SEVERN TRENT STL

STL Seattle
5755 8th Street East
Tacoma, WA 98424

Tel: 253 922 2310
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TRANSMITTAL MEMORANDUM

DATE: March 8, 2005

TO: David Gillingham
Parametrix, Inc.
411 108th Avenue NE Suite 1800
Bellevue, WA 98004

PROJECT: Oregon Slough

REPORT NUMBER: 126377

TOTAL NUMBER OF PAGES: _____

Enclosed are the test results for sixteen samples received at STL Seattle on February 18, 2005.

The report consists of this transmittal memo, analytical results, quality control reports, a copy of the chain-of-custody, a list of data qualifiers and analytical narrative when applicable, and a copy of any requested raw data.

Should there be any questions regarding this report, please contact me at (253) 922-2310.

Sincerely,

Darla Powell
Project Manager

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STL Seattle

Sample Identification:

Lab. No.	Client ID	Date/Time Sampled	Matrix
126377-1	0205-OS-VC-01	02-17-05 13:45	solid
126377-2	0205-OS-VC-02	02-17-05 08:30	solid
126377-3	0205-OS-VC-03	02-17-05 09:45	solid
126377-4	0205-OS-VC-03A	02-17-05 09:45	solid
126377-5	0205-OS-VC-04	02-17-05 12:50	solid
126377-6	0205-OS-VC-05	02-17-05 10:50	solid
126377-7	0205-OS-VC-06	02-17-05 11:25	solid
126377-8	0205-OS-VC-06Z	02-17-05 11:20	solid
126377-9	0205-OS-VC-01P	02-17-05 13:45	liquid
126377-10	0205-OS-VC-02P	02-17-05 08:30	liquid
126377-11	0205-OS-VC-03P	02-17-05 09:45	liquid
126377-12	0205-OS-VC-03AP	02-17-05 09:45	liquid
126377-13	0205-OS-VC-04P	02-17-05 12:50	liquid
126377-14	0205-OS-VC-05P	02-17-05 10:50	liquid
126377-15	0205-OS-VC-06P	02-17-05 11:25	liquid
126377-16	0205-OS-VC-06ZP	02-17-05 11:20	liquid

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Fax: 253 922 5047
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ANALYTICAL NARRATIVE

Client: Parametrix, Inc. Date: March 18, 2005

Project: Oregon Slough Lab No.: 126377

Delivered By: Submitter

Condition of samples upon receipt: Samples were received in good condition. Receipt information and cooler temperatures have been recorded on the cooler receipt form included in chain of custody section of this report. Chain of custody was in order.

Sample Identification:

Lab. No.	Client ID	Date Sampled	Matrix
126377-1	0205-OS-VC-01	02-17-05	solid
126377-2	0205-OS-VC-02	02-17-05	solid
126377-3	0205-OS-VC-03	02-17-05	solid
126377-4	0205-OS-VC-03A	02-17-05	solid
126377-5	0205-OS-VC-04	02-17-05	solid
126377-6	0205-OS-VC-05	02-17-05	solid
126377-7	0205-OS-VC-06	02-17-05	solid
126377-8	0205-OS-VC-06Z	02-17-05	solid
126377-9	0205-OS-VC-01P	02-17-05	liquid
126377-10	0205-OS-VC-02P	02-17-05	liquid
126377-11	0205-OS-VC-03P	02-17-05	liquid
126377-12	0205-OS-VC-03AP	02-17-05	liquid
126377-13	0205-OS-VC-04P	02-17-05	liquid
126377-14	0205-OS-VC-05P	02-17-05	liquid
126377-15	0205-OS-VC-06P	02-17-05	liquid
126377-16	0205-OS-VC-06ZP	02-17-05	liquid

SAMPLE EXTRACTION AND ANALYSIS

SEMIVOLATILE ORGANICS

Samples 126377-1 through 126377-8 were analyzed for semivolatile organics in accordance with EPA Method 8270C. The samples were extracted on 2-21-05 and analyzed on 2-25-05, which was within the required holding time.

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STL Seattle

ANALYTICAL NARRATIVE

Client: Parametrix, Inc. Date: March 18, 2005

Project: Oregon Slough Lab No.: 126377

SEMIVOLATILE ORGANICS continued

The percent recovery of Nitrobenzene-d5 (surrogate compound) in samples 126377-4 through 126377-8, the method blank, and the blank spike/blank spike duplicate associated with batch SS1343 exceeded the quality control limits. Samples 126377-1 through 126377-7 were re-extracted on 2-28-05 and re-analyzed on 3-1-05. Sample 126377-8 was not re-extracted due to insufficient sample volume remaining.

The percent recovery of 2-Fluorobiphenyl (surrogate compound) in samples 126377-4, 126377-6, 126377-7 and 126377-8 and the matrix spike/matrix spike duplicate analysis of sample 126377-6 exceeded the quality control limits due to matrix interferences.

The percent recovery of 2-Fluorophenyl (surrogate compound) in samples 126377-6 and the matrix spike/matrix spike duplicate analysis of sample 126377-6 exceeded the quality control limits due to matrix interferences.

The reported values for various analytes in the primary analysis of samples 126377-1 through 126377-8 exceeded the instrument calibration range. Sample 126377-8 underwent a secondary dilution on 3-1-05, which was within the acceptance range. Both sets of data have been included.

Low-level contamination was present in the method blank associated with sample batch SS1343. The reported values, with the exception of Di-n-butylphthalate and bis(2-Ethylhexyl)phthalate, are above the MDL, but below the RL. Di-n-butylphthalate and bis(2-Ethylhexyl)phthalate were detected above the RL. The data have been flagged "B1" or "B2" as appropriate. Samples 126377-1 through 126377-7 were re-extracted on 2-28-05 and re-analyzed on 3-1-05. Sample 126377-8 was not re-extracted due to insufficient sample volume remaining.

The percent recoveries of various compounds in the matrix spike / matrix spike duplicate analysis of sample 126377-6 exceeded the quality control limits. Matrix interferences may be indicated by the acceptable recoveries in the associated blank spike (SS1343).

The percent recoveries of Nitrobenzene-d5 and 2-Fluorobiphenyl (surrogate compounds) in the reanalysis of samples 126377-1, 126377-2 and 126377-4 through 126377-7, the method blank, and the blank spike associated with batch SS1348 exceeded the quality control limits. The samples were not re-extracted due to holding time constraints.

The percent recovery of 2-Fluorobiphenyl (surrogate compound) in the reanalysis of sample 126377-3 and the blank spike duplicate associated with batch SS1348 exceeded the quality control limits. The samples were not re-extracted do to holding time constraints.

The reported values for various analytes in the reanalysis of samples 126377-1 through 126377-7 exceeded the instrument calibration range. The samples underwent a secondary dilution on 3-1-05, which was within the acceptance range. Both sets of data have been included.

Low-level contamination was present in the method blank associated with sample batch SS1348. The reported values, with the exception of Di-n-butylphthalate, are above the MDL, but below the RL. Di-n-butylphthalate was detected above the RL. The data have been flagged "B1" or "B2" as appropriate. No further action was taken on this outlier.

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ANALYTICAL NARRATIVE

Client: Parametrix, Inc. Date: March 18, 2005

Project: Oregon Slough Lab No.: 126377

SEMIVOLATILE ORGANICS continued

The percent recovery of various compounds in the blank spike / blank spike duplicate associated with sample batch SS1348 exceeded the quality control limits. The samples were not re-extracted do to holding time constraints.

The percent recoveries of 1,2,4-Trichlorobenzene, Naphthalene, Hexachlorobutadiene, 2-Methylnaphthalene, Acenaphthylene and Acenaphthene in the matrix spike / matrix spike duplicate analysis of the reanalysis of sample 126377-6 exceeded the quality control limits. Matrix interferences may be indicated by the acceptable recoveries in the associated blank spike (SS1343).

The percent recoveries of 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, 1,2-Dichlorobenzene, 3-&-4-Methylphenol, Benzoic Acid, Di-n-butylphthalate and Di-n-oxtylphthalate in the matrix spike / matrix spike duplicate analysis of the reanalysis of sample 126377-6 exceeded the quality control limits. The samples were not re-extracted do to holding time constraints.

The percent recoveries of Nitrobenzene-d5 and 2-Fluorobiphenyl (surrogate compounds) in the dilution of samples 126377-2 and 126377-4 through 126377-7 exceeded the quality control limits. The samples were not re-extracted do to holding time constraints.

The percent recovery of 2-Fluorobiphenyl (surrogate compound) in the dilution of samples 126377-1 and 126377-3 exceeded the quality control limits. The samples were not re-extracted do to holding time constraints.

All other quality control was within the acceptance limits.

No other difficulties were encountered during the semivolatile organics analyses.

ORGANOTIN COMPOUNDS

Samples 126377-1 through 126377-13 and 126377-15 and 126377-16 were analyzed for tributyltin by Ion Trap Gas Chromatography/Mass Spectrometry, in accordance with the Puget Sound Estuary Program (PSEP) Protocols (also known as the Krone method). The samples were extracted on 2-21-05 and analyzed on 2-23-05 and 2-24-05, which was within the required holding time. Sample 126377-14 had insufficient poor water to be analyzed for tributyltin.

All quality control parameters were within the acceptance limits.

No difficulties were encountered during the organotin compounds analyses.

ORGANOCHLORINE PESTICIDES

Samples 126377-1 through 126377-8 were analyzed for organochlorine pesticides in accordance with EPA Method 8081A. The samples were extracted on 2-24-05 and analyzed on 2-28-05, which was within the required holding time.

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ANALYTICAL NARRATIVE

Client: Parametrix, Inc. Date: March 18, 2005

Project: Oregon Slough Lab No.: 126377

ORGANOCHLORINE PESTICIDES continued
All reported values underwent second column confirmation. The data are flagged "C1" or "C2" as appropriate.

All quality control was within the acceptance limits.

No difficulties were encountered during the chlorinated pesticides analyses.

PCBs
Samples 126377-1 through 126377-8 were analyzed for PCBs in accordance with EPA Method 8082. The samples were extracted on 3-1-05 and analyzed on 3-1-05 and 3-2-05, which was within the required holding time.

All reported values underwent second column confirmation. The data has been flagged "C1" or "C2" as appropriate.

All quality control was within the acceptance limits.

No difficulties were encountered during the PCB analyses.

TOTAL METALS
Samples 126377-1 through 126377-8 were analyzed for total metals in accordance with EPA Methods 6020/7471. The samples were digested and analyzed by Method 6020 on 2-24-05. The samples were digested and analyzed by Method 7471 on 2-25-05. The samples were digested and analyzed within the required holding time.

Low-level Antimony and Chromium contamination was present in the method blank associated with sample batch SP949. The reported value is above the MDL, but below the RL. The data have been flagged "B1" or "B2" as appropriate. No further action was taken on this outlier.

All other quality control was within the acceptance limits.

No other difficulties were encountered during the total metals analyses.

AMMONIA NITROGEN
Samples 126377-1 through 126377-8 were analyzed for ammonia nitrogen in accordance with EPA Method 350.2. The samples were prepared and analyzed on 3-23-05, which was within the required holding time.

All quality control was within the acceptance limits.

No difficulties were encountered during the ammonia nitrogen analyses.

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STL Seattle

ANALYTICAL NARRATIVE

Client: Parametrix, Inc. Date: March 18, 2005

Project: Oregon Slough Lab No.: 126377

TOTAL VOLATILE SOLIDS
Samples 126377-1 through 126377-8 were analyzed for total volatile solids in accordance with EPA Method 160.4 modified. The samples were analyzed on 2-22-05, which was within the required holding time.

All quality control parameters were within the acceptance limits.

No difficulties were encountered during the total volatile solids analyses.

PERCENT SOLIDS
Samples 126377-1 through 126377-8 were analyzed for total solids in accordance with EPA Method 160.3. The samples were analyzed on 2-21-05, which was within the required holding time.

All quality control was within the acceptance limits.

No difficulties were encountered during the total solids analyses.

PARTICLE SHAPE
Samples 126377-1 through 126377-8 were subcontracted to Aquatic Research for particle shape analysis. The final report is located at the back of this data package.

PHYSICAL SUITE
Samples 126377-1 through 126377-8 were subcontracted to STL Burlington for physical suite analysis. These results are not included with this data package submittal. They will be forwarded as soon as the final data package has been received.

TOC AND SULFIDE
Samples 126377-1 through 126377-8 were subcontracted to STL Denver for TOC and Sulfide analysis. The final report is located at the back of this data package.

DIOXINS AND FURANS
Samples 126377-1 through 126377-8 were subcontracted to STL Sacramento for Dioxins and Furans analysis. The final report is located at the back of this data package.

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STL Seattle

Client Name:	Parametrix, Inc.
Client ID:	0205-OS-VC-01
Lab ID:	126377-01
Date Received:	2/18/2005
Date Prepared:	2/21/2005
Date Analyzed:	2/25/2005
% Solids	55.96
Dilution Factor	1

Semivolatile Organics by USEPA Method 8270

Surrogate	% Recovery	Flags	Recovery Limits Low	High
2 - Fluorophenol	47.1		36	145
Phenol - d5	66.9		38	149
Nitrobenzene - d5	39.9		38	141
2 - Fluorobiphenyl	48.3		42	140
2,4,6 - Tribromophenol	99.5		28	143
p - Terphenyl - d14	95.7		42	151

Sample results are on a dry weight basis.

Analyte		Result (ug/kg)	RL	MDL	Flags
Phenol		5.31	2.83	0.188	B2
1,3-Dichlorobenzene	ND		2.83	0.397	
1,4-Dichlorobenzene	ND		2.83	0.366	
Benzyl Alcohol		10.3	2.83	0.271	
1,2-Dichlorobenzene	ND		2.83	0.185	
2-Methylphenol	ND		2.83	0.37	
3-&4-Methylphenol		12.3	2.83	0.37	
Hexachloroethane	ND		2.83	0.413	
2,4-Dimethylphenol	ND		1.13	0.181	
Benzoic Acid	ND		34	6.93	
1,2,4-Trichlorobenzene		0.655	2.83	0.386	J B1
Naphthalene		28.3	1.13	0.178	
Hexachlorobutadiene	ND		2.83	0.353	
2-Methylnaphthalene		405	1.13	0.248	E
Dimethylphthalate	ND		5.66	0.468	
Acenaphthylene	ND		1.13	0.194	
Acenaphthene		25.7	1.13	0.202	
Dibenzofuran	ND		2.83	0.204	
Diethylphthalate		4.58	5.66	0.299	J B1
Fluorene		51.8	1.13	0.254	
N-Nitrosodiphenylamine	ND		1.13	0.151	
Hexachlorobenzene	ND		1.13	0.266	
Pentachlorophenol	ND		5.66	0.983	
Phenanthrene		230	1.13	0.133	E
Anthracene		14.7	1.13	0.2	
Di-n-butylphthalate		318	5.66	1.76	B1 E

STL Seattle

Semivolatile Organics by USEPA Method 8270 data for 126377-01 continued...

Analyte	Result (ug/kg)	RL	MDL	Flags
Fluoranthene	44.9	1.13	0.188	
Pyrene	46.6	1.13	0.152	
Butylbenzylphthalate	19.4	11.3	0.876	B1
Benzo(a)anthracene	17.3	1.13	0.139	
Chrysene	25.7	1.13	0.185	
bis(2-Ethylhexyl)phthalate	58.3	11.3	1.75	B1
Di-n-octylphthalate	3.68	11.3	0.321	J
Benzo(b)fluoranthene	34.6	1.13	0.252	
Benzo(k)fluoranthene	10.5	1.13	0.314	
Benzo(a)pyrene	23.6	1.13	0.0698	
Indeno(1,2,3-cd)pyrene	16.5	1.13	0.0901	
Dibenz(a,h)anthracene	ND	1.13	0.131	
Benzo(g,h,i)perylene	16	1.13	0.135	

STL Seattle

Client Name:	Parametrix, Inc.
Client ID:	0205-OS-VC-01
Lab ID:	126377X01
Date Received:	-
Date Prepared:	2/28/2005
Date Analyzed:	3/1/2005
% Solids	55.96
Dilution Factor	1

Semivolatile Organics by USEPA Method 8270

Surrogate	% Recovery	Flags	Recovery Limits Low	High
2 - Fluorophenol	57.5		36	145
Phenol - d5	71.5		38	149
Nitrobenzene - d5	37.4	N	38	141
2 - Fluorobiphenyl	35	N	42	140
2,4,6 - Tribromophenol	70.3		28	143
p - Terphenyl - d14	71.6		42	151

Sample results are on a dry weight basis.

Analyte		Result (ug/kg)	RL	MDL	Flags
Phenol		7.19	2.85	0.19	B1
1,3-Dichlorobenzene	ND		2.85	0.4	
1,4-Dichlorobenzene	ND		2.85	0.369	
Benzyl Alcohol		8.81	2.85	0.274	B1
1,2-Dichlorobenzene	ND		2.85	0.187	
2-Methylphenol	ND		2.85	0.373	
3-&4-Methylphenol		4.6	2.85	0.373	
Hexachloroethane	ND		2.85	0.416	
2,4-Dimethylphenol	ND		1.14	0.182	
Benzoic Acid		70.3	34.2	6.99	B1
1,2,4-Trichlorobenzene	ND		2.85	0.389	
Naphthalene		2.37	1.14	0.18	
Hexachlorobutadiene	ND		2.85	0.355	
2-Methylnaphthalene		12.3	1.14	0.25	
Dimethylphthalate		0.748	5.71	0.472	J
Acenaphthylene		1.36	1.14	0.196	
Acenaphthene		2.51	1.14	0.204	
Dibenzofuran		1.32	2.85	0.206	J
Diethylphthalate		5.19	5.71	0.301	J B1
Fluorene		3.8	1.14	0.256	
N-Nitrosodiphenylamine	ND		1.14	0.153	
Hexachlorobenzene	ND		1.14	0.268	
Pentachlorophenol	ND		5.71	0.991	
Phenanthrene		15.2	1.14	0.134	
Anthracene		2.69	1.14	0.201	
Di-n-butylphthalate		267	5.71	1.77	B1 E

STL Seattle

Semivolatile Organics by USEPA Method 8270 data for 126377X01 continued...

Analyte	Result (ug/kg)	RL	MDL	Flags
Fluoranthene	25.9	1.14	0.189	
Pyrene	24.3	1.14	0.154	
Butylbenzylphthalate	18.1	11.4	0.883	B1
Benzo(a)anthracene	15.9	1.14	0.141	
Chrysene	21	1.14	0.186	
bis(2-Ethylhexyl)phthalate	55.6	11.4	1.77	B1
Di-n-octylphthalate	1.09	11.4	0.324	J B1
Benzo(b)fluoranthene	28.9	1.14	0.254	
Benzo(k)fluoranthene	8.85	1.14	0.317	
Benzo(a)pyrene	21.7	1.14	0.0704	
Indeno(1,2,3-cd)pyrene	15.6	1.14	0.0909	
Dibenz(a,h)anthracene	3.4	1.14	0.132	
Benzo(g,h,i)perylene	14.4	1.14	0.136	

STL Seattle

Client Name:	Parametrix, Inc.
Client ID:	0205-OS-VC-01 - dilution
Lab ID:	126377L01
Date Received:	-
Date Prepared:	2/28/2005
Date Analyzed:	3/1/2005
% Solids	55.96
Dilution Factor	5

Semivolatile Organics by USEPA Method 8270

Surrogate	% Recovery	Flags	Recovery Limits Low	High
2 - Fluorophenol	58.4		36	145
Phenol - d5	67		38	149
Nitrobenzene - d5	38.1		38	141
2 - Fluorobiphenyl	36.8	N	42	140
2,4,6 - Tribromophenol	79.2		28	143
p - Terphenyl - d14	74		42	151

Sample results are on a dry weight basis.

Analyte		Result (ug/kg)	RL	MDL	Flags
Phenol		6.13	14.1	0.938	J B1
1,3-Dichlorobenzene	ND		14.1	1.98	
1,4-Dichlorobenzene	ND		14.1	1.83	
Benzyl Alcohol		11.2	14.1	1.35	J B1
1,2-Dichlorobenzene	ND		14.1	0.924	
2-Methylphenol	ND		14.1	1.84	
3-&4-Methylphenol		11	14.1	1.84	J
Hexachloroethane	ND		14.1	2.06	
2,4-Dimethylphenol	ND		5.64	0.9	
Benzoic Acid		148	169	34.5	J B1
1,2,4-Trichlorobenzene	ND		14.1	1.92	
Naphthalene		2.34	5.64	0.888	J
Hexachlorobutadiene	ND		14.1	1.76	
2-Methylnaphthalene		11.8	5.64	1.23	
Dimethylphthalate	ND		28.2	2.33	
Acenaphthylene		1.47	5.64	0.967	J
Acenaphthene		2.81	5.64	1.01	J
Dibenzofuran		2.1	14.1	1.02	J
Diethylphthalate		10.1	28.2	1.49	J B1
Fluorene		3.18	5.64	1.27	J
N-Nitrosodiphenylamine	ND		5.64	0.755	
Hexachlorobenzene	ND		5.64	1.33	
Pentachlorophenol	ND		28.2	4.9	
Phenanthrene		14.9	5.64	0.661	
Anthracene		3.03	5.64	0.994	J
Di-n-butylphthalate		308	28.2	8.77	B1

STL Seattle

Semivolatile Organics by USEPA Method 8270 data for 126377L01 continued...

Analyte	Result (ug/kg)	RL	MDL	Flags
Fluoranthene	28.7	5.64	0.935	
Pyrene	25.9	5.64	0.759	
Butylbenzylphthalate	35.4	56.4	4.36	J B1
Benzo(a)anthracene	16	5.64	0.695	
Chrysene	21	5.64	0.921	
bis(2-Ethylhexyl)phthalate	58.8	56.4	8.73	B1
Di-n-octylphthalate	ND	56.4	1.6	
Benzo(b)fluoranthene	29.7	5.64	1.26	
Benzo(k)fluoranthene	10.6	5.64	1.56	
Benzo(a)pyrene	20.9	5.64	0.348	
Indeno(1,2,3-cd)pyrene	22	5.64	0.449	
Dibenz(a,h)anthracene	6.95	5.64	0.654	
Benzo(g,h,i)perylene	17.7	5.64	0.673	

STL Seattle

Client Name:	Parametrix, Inc.
Client ID:	0205-OS-VC-02
Lab ID:	126377-02
Date Received:	2/18/2005
Date Prepared:	2/21/2005
Date Analyzed:	2/25/2005
% Solids	71.62
Dilution Factor	1

Semivolatile Organics by USEPA Method 8270

Surrogate	% Recovery	Flags	Recovery Limits Low	High
2 - Fluorophenol	46.6		36	145
Phenol - d5	64.5		38	149
Nitrobenzene - d5	42.1		38	141
2 - Fluorobiphenyl	48		42	140
2,4,6 - Tribromophenol	81.5		28	143
p - Terphenyl - d14	75.4		42	151

Sample results are on a dry weight basis.

Analyte		Result (ug/kg)	RL	MDL	Flags
Phenol		6.48	2.75	0.183	B2
1,3-Dichlorobenzene	ND		2.75	0.386	
1,4-Dichlorobenzene	ND		2.75	0.356	
Benzyl Alcohol		7.87	2.75	0.264	
1,2-Dichlorobenzene		0.382	2.75	0.18	J B1
2-Methylphenol	ND		2.75	0.36	
3-&4-Methylphenol		4.33	2.75	0.36	
Hexachloroethane	ND		2.75	0.401	
2,4-Dimethylphenol	ND		1.1	0.176	
Benzoic Acid		61.9	33	6.73	B1
1,2,4-Trichlorobenzene		0.545	2.75	0.375	J B1
Naphthalene		2.94	1.1	0.173	
Hexachlorobutadiene	ND		2.75	0.343	
2-Methylnaphthalene		2.33	1.1	0.241	
Dimethylphthalate		3.53	5.5	0.455	J
Acenaphthylene		1.33	1.1	0.189	
Acenaphthene		1.33	1.1	0.197	
Dibenzofuran		1.03	2.75	0.199	J
Diethylphthalate		3.68	5.5	0.29	J B1
Fluorene		2.85	1.1	0.247	
N-Nitrosodiphenylamine	ND		1.1	0.147	
Hexachlorobenzene	ND		1.1	0.259	
Pentachlorophenol		1.41	5.5	0.955	J
Phenanthrene		12.6	1.1	0.129	
Anthracene		2.58	1.1	0.194	
Di-n-butylphthalate		249	5.5	1.71	B1 E

STL Seattle

Semivolatile Organics by USEPA Method 8270 data for 126377-02 continued...

Analyte	Result (ug/kg)	RL	MDL	Flags
Fluoranthene	20.2	1.1	0.182	
Pyrene	20.2	1.1	0.148	
Butylbenzylphthalate	10	11	0.851	J B1
Benzo(a)anthracene	10.7	1.1	0.135	
Chrysene	15.2	1.1	0.18	
bis(2-Ethylhexyl)phthalate	27.5	11	1.7	B1
Di-n-octylphthalate	0.575	11	0.312	J
Benzo(b)fluoranthene	18.7	1.1	0.245	
Benzo(k)fluoranthene	5.58	1.1	0.305	
Benzo(a)pyrene	13.4	1.1	0.0678	
Indeno(1,2,3-cd)pyrene	10.2	1.1	0.0876	
Dibenz(a,h)anthracene	ND	1.1	0.127	
Benzo(g,h,i)perylene	10.3	1.1	0.131	

STL Seattle

Client Name:	Parametrix, Inc.
Client ID:	0205-OS-VC-02
Lab ID:	126377X02
Date Received:	-
Date Prepared:	2/28/2005
Date Analyzed:	3/1/2005
% Solids	71.62
Dilution Factor	1

Semivolatile Organics by USEPA Method 8270

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
2 - Fluorophenol	42.5		36	145
Phenol - d5	56.5		38	149
Nitrobenzene - d5	37.5	N	38	141
2 - Fluorobiphenyl	33	N	42	140
2,4,6 - Tribromophenol	78.2		28	143
p - Terphenyl - d14	71.6		42	151

Sample results are on a dry weight basis.

Analyte		**Result (ug/kg)**	**RL**	**MDL**	**Flags**
Phenol		3.97	2.74	0.182	B1
1,3-Dichlorobenzene	ND		2.74	0.384	
1,4-Dichlorobenzene	ND		2.74	0.355	
Benzyl Alcohol		4.79	2.74	0.263	B1
1,2-Dichlorobenzene	ND		2.74	0.18	
2-Methylphenol	ND		2.74	0.358	
3-&4-Methylphenol		2.54	2.74	0.358	J
Hexachloroethane	ND		2.74	0.4	
2,4-Dimethylphenol	ND		1.1	0.175	
Benzoic Acid		50.1	32.9	6.71	B1
1,2,4-Trichlorobenzene	ND		2.74	0.374	
Naphthalene		1.41	1.1	0.173	
Hexachlorobutadiene	ND		2.74	0.341	
2-Methylnaphthalene	ND		1.1	0.24	
Dimethylphthalate		0.953	5.48	0.454	J
Acenaphthylene		0.631	1.1	0.188	J
Acenaphthene		0.961	1.1	0.196	J
Dibenzofuran		0.633	2.74	0.198	J
Diethylphthalate		4.02	5.48	0.289	J B1
Fluorene		1.17	1.1	0.246	
N-Nitrosodiphenylamine	ND		1.1	0.147	
Hexachlorobenzene	ND		1.1	0.258	
Pentachlorophenol		1.35	5.48	0.952	J
Phenanthrene		7.5	1.1	0.128	
Anthracene		2.04	1.1	0.193	
Di-n-butylphthalate		209	5.48	1.7	B1 E

STL Seattle

Semivolatile Organics by USEPA Method 8270 data for 126377X02 continued...

Analyte	Result (ug/kg)	RL	MDL	Flags
Fluoranthene	18.9	1.1	0.182	
Pyrene	16.8	1.1	0.147	
Butylbenzylphthalate	13.3	11	0.848	B1
Benzo(a)anthracene	9.16	1.1	0.135	
Chrysene	12	1.1	0.179	
bis(2-Ethylhexyl)phthalate	35.2	11	1.7	B1
Di-n-octylphthalate	0.701	11	0.311	J B1
Benzo(b)fluoranthene	15.2	1.1	0.244	
Benzo(k)fluoranthene	5.07	1.1	0.304	
Benzo(a)pyrene	11.4	1.1	0.0676	
Indeno(1,2,3-cd)pyrene	9.94	1.1	0.0873	
Dibenz(a,h)anthracene	2.27	1.1	0.127	
Benzo(g,h,i)perylene	9.05	1.1	0.131	

STL Seattle

Client Name:	Parametrix, Inc.
Client ID:	0205-OS-VC-02 - dilution
Lab ID:	126377L02
Date Received:	-
Date Prepared:	2/28/2005
Date Analyzed:	3/1/2005
% Solids	71.62
Dilution Factor	5

Semivolatile Organics by USEPA Method 8270

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
2 - Fluorophenol	41.9		36	145
Phenol - d5	49.2		38	149
Nitrobenzene - d5	37.2	N	38	141
2 - Fluorobiphenyl	33.9	N	42	140
2,4,6 - Tribromophenol	88.8		28	143
p - Terphenyl - d14	88.4		42	151

Sample results are on a dry weight basis.

Analyte		**Result (ug/kg)**	**RL**	**MDL**	**Flags**
Phenol		3.82	13.7	0.912	J B1
1,3-Dichlorobenzene	ND		13.7	1.92	
1,4-Dichlorobenzene	ND		13.7	1.77	
Benzyl Alcohol	ND		13.7	1.31	
1,2-Dichlorobenzene	ND		13.7	0.898	
2-Methylphenol	ND		13.7	1.79	
3-&4-Methylphenol	ND		13.7	1.79	
Hexachloroethane	ND		13.7	2	
2,4-Dimethylphenol	ND		5.48	0.875	
Benzoic Acid		130	164	33.6	J B1
1,2,4-Trichlorobenzene	ND		13.7	1.87	
Naphthalene		1.56	5.48	0.863	J
Hexachlorobutadiene	ND		13.7	1.71	
2-Methylnaphthalene	ND		5.48	1.2	
Dimethylphthalate	ND		27.4	2.27	
Acenaphthylene	ND		5.48	0.94	
Acenaphthene	ND		5.48	0.98	
Dibenzofuran		2.61	13.7	0.989	J
Diethylphthalate		11.2	27.4	1.45	J B1
Fluorene	ND		5.48	1.23	
N-Nitrosodiphenylamine		2.73	5.48	0.733	J
Hexachlorobenzene	ND		5.48	1.29	
Pentachlorophenol	ND		27.4	4.76	
Phenanthrene		8.13	5.48	0.642	
Anthracene		2.51	5.48	0.966	J
Di-n-butylphthalate		280	27.4	8.52	B1

STL Seattle

Semivolatile Organics by USEPA Method 8270 data for 126377L02 continued...

Analyte	Result (ug/kg)	RL	MDL	Flags
Fluoranthene	22.4	5.48	0.908	
Pyrene	20.3	5.48	0.737	
Butylbenzylphthalate	29.9	54.8	4.24	J B1
Benzo(a)anthracene	9.8	5.48	0.675	
Chrysene	13	5.48	0.895	
bis(2-Ethylhexyl)phthalate	40	54.8	8.49	J B1
Di-n-octylphthalate	ND	54.8	1.56	
Benzo(b)fluoranthene	18.9	5.48	1.22	
Benzo(k)fluoranthene	4.58	5.48	1.52	J
Benzo(a)pyrene	12.5	5.48	0.338	
Indeno(1,2,3-cd)pyrene	14.2	5.48	0.436	
Dibenz(a,h)anthracene	4.15	5.48	0.635	J
Benzo(g,h,i)perylene	9.38	5.48	0.654	

STL Seattle

Client Name:	Parametrix, Inc.
Client ID:	0205-OS-VC-03
Lab ID:	126377-03
Date Received:	2/18/2005
Date Prepared:	2/21/2005
Date Analyzed:	2/25/2005
% Solids	66.38
Dilution Factor	1

Semivolatile Organics by USEPA Method 8270

Surrogate	% Recovery	Flags	Recovery Limits Low	High
2 - Fluorophenol	53.7		36	145
Phenol - d5	70.9		38	149
Nitrobenzene - d5	42.5		38	141
2 - Fluorobiphenyl	52.5		42	140
2,4,6 - Tribromophenol	93.5		28	143
p - Terphenyl - d14	83.5		42	151

Sample results are on a dry weight basis.

Analyte		Result (ug/kg)	RL	MDL	Flags
Phenol		5.16	2.87	0.191	B2
1,3-Dichlorobenzene	ND		2.87	0.403	
1,4-Dichlorobenzene		0.44	2.87	0.372	J
Benzyl Alcohol		7.48	2.87	0.275	
1,2-Dichlorobenzene	ND		2.87	0.188	
2-Methylphenol	ND		2.87	0.375	
3-&4-Methylphenol		7.21	2.87	0.375	
Hexachloroethane	ND		2.87	0.419	
2,4-Dimethylphenol	ND		1.15	0.183	
Benzoic Acid		76.8	34.5	7.03	B1
1,2,4-Trichlorobenzene		0.711	2.87	0.392	J B1
Naphthalene		4.03	1.15	0.181	
Hexachlorobutadiene	ND		2.87	0.358	
2-Methylnaphthalene		2.04	1.15	0.251	
Dimethylphthalate	ND		5.74	0.475	
Acenaphthylene		1.39	1.15	0.197	
Acenaphthene		2.98	1.15	0.205	
Dibenzofuran		1.75	2.87	0.207	J
Diethylphthalate		3.14	5.74	0.303	J B1
Fluorene		4.3	1.15	0.258	
N-Nitrosodiphenylamine	ND		1.15	0.154	
Hexachlorobenzene	ND		1.15	0.27	
Pentachlorophenol		2.63	5.74	0.997	J
Phenanthrene		16.7	1.15	0.134	
Anthracene		3.7	1.15	0.202	
Di-n-butylphthalate		252	5.74	1.79	B1 E

STL Seattle

Semivolatile Organics by USEPA Method 8270 data for 126377-03 continued...

Analyte	Result (ug/kg)	RL	MDL	Flags
Fluoranthene	35.1	1.15	0.19	
Pyrene	34.9	1.15	0.154	
Butylbenzylphthalate	10.4	11.5	0.888	J B1
Benzo(a)anthracene	20.3	1.15	0.141	
Chrysene	32.2	1.15	0.187	
bis(2-Ethylhexyl)phthalate	25.8	11.5	1.78	B1
Di-n-octylphthalate	ND	11.5	0.326	
Benzo(b)fluoranthene	36.8	1.15	0.256	
Benzo(k)fluoranthene	11.6	1.15	0.319	
Benzo(a)pyrene	23.3	1.15	0.0708	
Indeno(1,2,3-cd)pyrene	4.36	1.15	0.0914	
Dibenz(a,h)anthracene	ND	1.15	0.133	
Benzo(g,h,i)perylene	18.1	1.15	0.137	

STL Seattle

Client Name:	Parametrix, Inc.
Client ID:	0205-OS-VC-03
Lab ID:	126377X03
Date Received:	-
Date Prepared:	2/28/2005
Date Analyzed:	3/1/2005
% Solids	66.38
Dilution Factor	1

Semivolatile Organics by USEPA Method 8270

Surrogate	% Recovery	Flags	Recovery Limits Low	Recovery Limits High
2 - Fluorophenol	61.9		36	145
Phenol - d5	85.9		38	149
Nitrobenzene - d5	43.1		38	141
2 - Fluorobiphenyl	32.4	N	42	140
2,4,6 - Tribromophenol	86.4		28	143
p - Terphenyl - d14	79.5		42	151

Sample results are on a dry weight basis.

Analyte		Result (ug/kg)	RL	MDL	Flags
Phenol		8.61	2.75	0.183	B1
1,3-Dichlorobenzene	ND		2.75	0.386	
1,4-Dichlorobenzene	ND		2.75	0.356	
Benzyl Alcohol		9.31	2.75	0.264	B1
1,2-Dichlorobenzene	ND		2.75	0.18	
2-Methylphenol	ND		2.75	0.36	
3-&4-Methylphenol		4.14	2.75	0.36	
Hexachloroethane	ND		2.75	0.401	
2,4-Dimethylphenol	ND		1.1	0.176	
Benzoic Acid		72.2	33	6.73	B1
1,2,4-Trichlorobenzene	ND		2.75	0.375	
Naphthalene		2.02	1.1	0.173	
Hexachlorobutadiene	ND		2.75	0.343	
2-Methylnaphthalene		0.991	1.1	0.241	J
Dimethylphthalate		0.934	5.5	0.455	J
Acenaphthylene		1.14	1.1	0.189	
Acenaphthene		1.7	1.1	0.197	
Dibenzofuran		0.953	2.75	0.199	J
Diethylphthalate		4.58	5.5	0.29	J B1
Fluorene		2.14	1.1	0.247	
N-Nitrosodiphenylamine	ND		1.1	0.147	
Hexachlorobenzene	ND		1.1	0.259	
Pentachlorophenol		4.41	5.5	0.955	J
Phenanthrene		11.2	1.1	0.129	
Anthracene		2.47	1.1	0.194	
Di-n-butylphthalate		274	5.5	1.71	B1 E

STL Seattle

Semivolatile Organics by USEPA Method 8270 data for 126377X03 continued...

Analyte	Result (ug/kg)	RL	MDL	Flags
Fluoranthene	29.9	1.1	0.182	
Pyrene	29.2	1.1	0.148	
Butylbenzylphthalate	17.2	11	0.851	B1
Benzo(a)anthracene	17	1.1	0.136	
Chrysene	23.9	1.1	0.18	
bis(2-Ethylhexyl)phthalate	39.3	11	1.7	B1
Di-n-octylphthalate	ND	11	0.312	
Benzo(b)fluoranthene	29.7	1.1	0.245	
Benzo(k)fluoranthene	10.2	1.1	0.305	
Benzo(a)pyrene	22.7	1.1	0.0678	
Indeno(1,2,3-cd)pyrene	16.4	1.1	0.0876	
Dibenz(a,h)anthracene	3.64	1.1	0.127	
Benzo(g,h,i)perylene	16.2	1.1	0.131	

STL Seattle

Client Name:	Parametrix, Inc.
Client ID:	0205-OS-VC-03 - dilution
Lab ID:	126377L03
Date Received:	-
Date Prepared:	2/28/2005
Date Analyzed:	3/1/2005
% Solids	66.38
Dilution Factor	5

Semivolatile Organics by USEPA Method 8270

Surrogate	% Recovery	Flags	Recovery Limits Low	High
2 - Fluorophenol	64.1		36	145
Phenol - d5	79.9		38	149
Nitrobenzene - d5	41.6		38	141
2 - Fluorobiphenyl	33.1	N	42	140
2,4,6 - Tribromophenol	95.1		28	143
p - Terphenyl - d14	87.1		42	151

Sample results are on a dry weight basis.

Analyte		Result (ug/kg)	RL	MDL	Flags
Phenol		8.98	13.8	0.915	J B1
1,3-Dichlorobenzene	ND		13.8	1.93	
1,4-Dichlorobenzene	ND		13.8	1.78	
Benzyl Alcohol		10.5	13.8	1.32	J B1
1,2-Dichlorobenzene	ND		13.8	0.901	
2-Methylphenol	ND		13.8	1.8	
3-&4-Methylphenol		10.5	13.8	1.8	J
Hexachloroethane	ND		13.8	2.01	
2,4-Dimethylphenol		8.85	5.5	0.878	
Benzoic Acid		151	165	33.7	J B1
1,2,4-Trichlorobenzene	ND		13.8	1.88	
Naphthalene		2.16	5.5	0.866	J
Hexachlorobutadiene	ND		13.8	1.71	
2-Methylnaphthalene		1.42	5.5	1.2	J
Dimethylphthalate	ND		27.5	2.28	
Acenaphthylene		1.73	5.5	0.943	J
Acenaphthene		2.17	5.5	0.983	J
Dibenzofuran		2.63	13.8	0.993	J
Diethylphthalate		10.6	27.5	1.45	J B1
Fluorene		1.61	5.5	1.24	J
N-Nitrosodiphenylamine	ND		5.5	0.736	
Hexachlorobenzene	ND		5.5	1.29	
Pentachlorophenol		4.83	27.5	4.78	J
Phenanthrene		11.5	5.5	0.644	
Anthracene		3.08	5.5	0.97	J
Di-n-butylphthalate		354	27.5	8.55	B1

STL Seattle

Semivolatile Organics by USEPA Method 8270 data for 126377L03 continued...

Analyte	Result (ug/kg)	RL	MDL	Flags
Fluoranthene	37.5	5.5	0.911	
Pyrene	33.5	5.5	0.74	
Butylbenzylphthalate	36.6	55	4.25	J B1
Benzo(a)anthracene	18.8	5.5	0.678	
Chrysene	23.4	5.5	0.898	
bis(2-Ethylhexyl)phthalate	42	55	8.51	J B1
Di-n-octylphthalate	ND	55	1.56	
Benzo(b)fluoranthene	33.3	5.5	1.23	
Benzo(k)fluoranthene	9.99	5.5	1.53	
Benzo(a)pyrene	23.3	5.5	0.339	
Indeno(1,2,3-cd)pyrene	22.9	5.5	0.438	
Dibenz(a,h)anthracene	7.14	5.5	0.637	
Benzo(g,h,i)perylene	19.6	5.5	0.657	

STL Seattle

Client Name:	Parametrix, Inc.
Client ID:	0205-OS-VC-03A
Lab ID:	126377-04
Date Received:	2/18/2005
Date Prepared:	2/21/2005
Date Analyzed:	2/25/2005
% Solids	66.44
Dilution Factor	1

Semivolatile Organics by USEPA Method 8270

Surrogate	% Recovery	Flags	Recovery Limits Low	High
2 - Fluorophenol	37.8		36	145
Phenol - d5	55.7		38	149
Nitrobenzene - d5	31.1	N	38	141
2 - Fluorobiphenyl	38.1	X9	42	140
2,4,6 - Tribromophenol	81.9		28	143
p - Terphenyl - d14	77.1		42	151

Sample results are on a dry weight basis.

Analyte		Result (ug/kg)	RL	MDL	Flags
Phenol		3.29	2.82	0.187	B1
1,3-Dichlorobenzene	ND		2.82	0.395	
1,4-Dichlorobenzene	ND		2.82	0.365	
Benzyl Alcohol		5.6	2.82	0.27	
1,2-Dichlorobenzene	ND		2.82	0.185	
2-Methylphenol		0.459	2.82	0.368	J
3-&4-Methylphenol		5.9	2.82	0.368	
Hexachloroethane	ND		2.82	0.411	
2,4-Dimethylphenol	ND		1.13	0.18	
Benzoic Acid		51.7	33.8	6.9	B1
1,2,4-Trichlorobenzene		0.613	2.82	0.384	J B1
Naphthalene		3.37	1.13	0.177	
Hexachlorobutadiene	ND		2.82	0.351	
2-Methylnaphthalene		1.88	1.13	0.247	
Dimethylphthalate	ND		5.63	0.466	
Acenaphthylene		1.32	1.13	0.193	
Acenaphthene		2.78	1.13	0.201	
Dibenzofuran		1.34	2.82	0.203	J
Diethylphthalate		3.06	5.63	0.297	J B1
Fluorene		3.53	1.13	0.253	
N-Nitrosodiphenylamine	ND		1.13	0.151	
Hexachlorobenzene	ND		1.13	0.265	
Pentachlorophenol		1.61	5.63	0.978	J
Phenanthrene		15.3	1.13	0.132	
Anthracene		3.53	1.13	0.199	
Di-n-butylphthalate		217	5.63	1.75	B1 E

STL Seattle

Semivolatile Organics by USEPA Method 8270 data for 126377-04 continued...

Analyte	Result (ug/kg)	RL	MDL	Flags
Fluoranthene	33.4	1.13	0.187	
Pyrene	32.9	1.13	0.152	
Butylbenzylphthalate	11.5	11.3	0.871	B1
Benzo(a)anthracene	19	1.13	0.139	
Chrysene	28.2	1.13	0.184	
bis(2-Ethylhexyl)phthalate	27.7	11.3	1.74	B1
Di-n-octylphthalate	ND	11.3	0.32	
Benzo(b)fluoranthene	32.9	1.13	0.251	
Benzo(k)fluoranthene	10.1	1.13	0.313	
Benzo(a)pyrene	22	1.13	0.0695	
Indeno(1,2,3-cd)pyrene	4.13	1.13	0.0897	
Dibenz(a,h)anthracene	ND	1.13	0.131	
Benzo(g,h,i)perylene	17.3	1.13	0.134	

STL Seattle

Client Name:	Parametrix, Inc.
Client ID:	0205-OS-VC-03A
Lab ID:	126377X04
Date Received:	-
Date Prepared:	2/28/2005
Date Analyzed:	3/1/2005
% Solids	66.44
Dilution Factor	1

Semivolatile Organics by USEPA Method 8270

Surrogate	% Recovery	Flags	Recovery Limits Low	High
2 - Fluorophenol	56.9		36	145
Phenol - d5	71.9		38	149
Nitrobenzene - d5	33.1	N	38	141
2 - Fluorobiphenyl	28.6	N	42	140
2,4,6 - Tribromophenol	79.2		28	143
p - Terphenyl - d14	69.6		42	151

Sample results are on a dry weight basis.

Analyte		Result (ug/kg)	RL	MDL	Flags
Phenol		5.49	2.98	0.198	B1
1,3-Dichlorobenzene	ND		2.98	0.418	
1,4-Dichlorobenzene	ND		2.98	0.386	
Benzyl Alcohol		4.55	2.98	0.286	B1
1,2-Dichlorobenzene		0.322	2.98	0.195	J
2-Methylphenol	ND		2.98	0.39	
3-&4-Methylphenol		3.06	2.98	0.39	
Hexachloroethane	ND		2.98	0.435	
2,4-Dimethylphenol	ND		1.19	0.19	
Benzoic Acid		54.2	35.8	7.3	B1
1,2,4-Trichlorobenzene	ND		2.98	0.407	
Naphthalene		1.22	1.19	0.188	
Hexachlorobutadiene	ND		2.98	0.371	
2-Methylnaphthalene		0.643	1.19	0.261	J
Dimethylphthalate		1.18	5.96	0.493	J
Acenaphthylene		0.703	1.19	0.204	J
Acenaphthene		1.36	1.19	0.213	
Dibenzofuran		0.75	2.98	0.215	J
Diethylphthalate		3.64	5.96	0.314	J B1
Fluorene		1.64	1.19	0.268	
N-Nitrosodiphenylamine	ND		1.19	0.159	
Hexachlorobenzene	ND		1.19	0.28	
Pentachlorophenol	ND		5.96	1.04	
Phenanthrene		8.06	1.19	0.14	
Anthracene		2.27	1.19	0.21	
Di-n-butylphthalate		208	5.96	1.85	B1 E

STL Seattle

Semivolatile Organics by USEPA Method 8270 data for 126377X04 continued...

Analyte	Result (ug/kg)	RL	MDL	Flags
Fluoranthene	24.1	1.19	0.198	
Pyrene	21.5	1.19	0.16	
Butylbenzylphthalate	15.4	11.9	0.922	B1
Benzo(a)anthracene	11.6	1.19	0.147	
Chrysene	19.2	1.19	0.195	
bis(2-Ethylhexyl)phthalate	28.3	11.9	1.85	B1
Di-n-octylphthalate	2.3	11.9	0.338	J B1
Benzo(b)fluoranthene	23.8	1.19	0.266	
Benzo(k)fluoranthene	7.76	1.19	0.331	
Benzo(a)pyrene	16.9	1.19	0.0735	
Indeno(1,2,3-cd)pyrene	13.7	1.19	0.0949	
Dibenz(a,h)anthracene	3.25	1.19	0.138	
Benzo(g,h,i)perylene	13	1.19	0.142	

STL Seattle

Client Name:	Parametrix, Inc.
Client ID:	0205-OS-VC-03A - dilution
Lab ID:	126377L04
Date Received:	-
Date Prepared:	2/28/2005
Date Analyzed:	3/1/2005
% Solids	66.44
Dilution Factor	5

Semivolatile Organics by USEPA Method 8270

Surrogate	% Recovery	Flags	Recovery Limits Low	High
2 - Fluorophenol	55.9		36	145
Phenol - d5	67.4		38	149
Nitrobenzene - d5	34.8	N	38	141
2 - Fluorobiphenyl	31.1	N	42	140
2,4,6 - Tribromophenol	93.8		28	143
p - Terphenyl - d14	82.6		42	151

Sample results are on a dry weight basis.

Analyte		Result (ug/kg)	RL	MDL	Flags
Phenol		5.11	14.9	0.992	J B1
1,3-Dichlorobenzene	ND		14.9	2.09	
1,4-Dichlorobenzene	ND		14.9	1.93	
Benzyl Alcohol	ND		14.9	1.43	
1,2-Dichlorobenzene	ND		14.9	0.977	
2-Methylphenol	ND		14.9	1.95	
3-&4-Methylphenol		7.99	14.9	1.95	J
Hexachloroethane	ND		14.9	2.17	
2,4-Dimethylphenol	ND		5.96	0.951	
Benzoic Acid		142	179	36.5	J B1
1,2,4-Trichlorobenzene	ND		14.9	2.03	
Naphthalene	ND		5.96	0.939	
Hexachlorobutadiene	ND		14.9	1.86	
2-Methylnaphthalene	ND		5.96	1.3	
Dimethylphthalate	ND		29.8	2.47	
Acenaphthylene	ND		5.96	1.02	
Acenaphthene	ND		5.96	1.07	
Dibenzofuran		1.79	14.9	1.08	J
Diethylphthalate		9.95	29.8	1.57	J B1
Fluorene	ND		5.96	1.34	
N-Nitrosodiphenylamine	ND		5.96	0.797	
Hexachlorobenzene	ND		5.96	1.4	
Pentachlorophenol	ND		29.8	5.18	
Phenanthrene		8.72	5.96	0.698	
Anthracene		2.73	5.96	1.05	J
Di-n-butylphthalate		270	29.8	9.27	B1

STL Seattle

Semivolatile Organics by USEPA Method 8270 data for 126377L04 continued...

Analyte	Result (ug/kg)	RL	MDL	Flags
Fluoranthene	28.3	5.96	0.988	
Pyrene	25.1	5.96	0.802	
Butylbenzylphthalate	33.6	59.6	4.61	J B1
Benzo(a)anthracene	13.4	5.96	0.734	
Chrysene	20.6	5.96	0.973	
bis(2-Ethylhexyl)phthalate	31.2	59.6	9.23	J B1
Di-n-octylphthalate	2.09	59.6	1.69	J B1
Benzo(b)fluoranthene	27.4	5.96	1.33	
Benzo(k)fluoranthene	8.28	5.96	1.65	
Benzo(a)pyrene	16.8	5.96	0.368	
Indeno(1,2,3-cd)pyrene	19.9	5.96	0.475	
Dibenz(a,h)anthracene	6.55	5.96	0.691	
Benzo(g,h,i)perylene	14.5	5.96	0.712	

STL Seattle

Client Name:	Parametrix, Inc.
Client ID:	0205-OS-VC-04
Lab ID:	126377-05
Date Received:	2/18/2005
Date Prepared:	2/21/2005
Date Analyzed:	2/25/2005
% Solids	70.25
Dilution Factor	1

Semivolatile Organics by USEPA Method 8270

Surrogate	% Recovery	Flags	Recovery Limits Low	High
2 - Fluorophenol	40.8		36	145
Phenol - d5	58.3		38	149
Nitrobenzene - d5	32.7	N	38	141
2 - Fluorobiphenyl	42.3		42	140
2,4,6 - Tribromophenol	88.3		28	143
p - Terphenyl - d14	81.8		42	151

Sample results are on a dry weight basis.

Analyte		Result (ug/kg)	RL	MDL	Flags
Phenol		4.34	2.8	0.187	B2
1,3-Dichlorobenzene	ND		2.8	0.393	
1,4-Dichlorobenzene	ND		2.8	0.363	
Benzyl Alcohol		6.08	2.8	0.269	
1,2-Dichlorobenzene	ND		2.8	0.184	
2-Methylphenol	ND		2.8	0.367	
3-&4-Methylphenol		4.84	2.8	0.367	
Hexachloroethane	ND		2.8	0.409	
2,4-Dimethylphenol		2	1.12	0.179	
Benzoic Acid		57.9	33.7	6.87	B1
1,2,4-Trichlorobenzene		0.411	2.8	0.383	J B1
Naphthalene		3.01	1.12	0.177	
Hexachlorobutadiene	ND		2.8	0.349	
2-Methylnaphthalene		1.96	1.12	0.245	
Dimethylphthalate		0.687	5.61	0.464	J
Acenaphthylene		1.04	1.12	0.192	J
Acenaphthene		5.66	1.12	0.2	
Dibenzofuran		3.55	2.8	0.202	
Diethylphthalate		3.49	5.61	0.296	J B1
Fluorene		7.08	1.12	0.252	
N-Nitrosodiphenylamine	ND		1.12	0.15	
Hexachlorobenzene	ND		1.12	0.264	
Pentachlorophenol		1.58	5.61	0.974	J
Phenanthrene		31	1.12	0.131	
Anthracene		6.4	1.12	0.198	
Di-n-butylphthalate		208	5.61	1.74	B1 E

STL Seattle

Semivolatile Organics by USEPA Method 8270 data for 126377-05 continued...

Analyte	Result (ug/kg)	RL	MDL	Flags
Fluoranthene	40.6	1.12	0.186	
Pyrene	37.5	1.12	0.151	
Butylbenzylphthalate	9.16	11.2	0.868	J B1
Benzo(a)anthracene	18.2	1.12	0.138	
Chrysene	30.2	1.12	0.183	
bis(2-Ethylhexyl)phthalate	30.7	11.2	1.74	B1
Di-n-octylphthalate	ND	11.2	0.318	
Benzo(b)fluoranthene	29.4	1.12	0.25	
Benzo(k)fluoranthene	10.2	1.12	0.311	
Benzo(a)pyrene	18.2	1.12	0.0692	
Indeno(1,2,3-cd)pyrene	3.74	1.12	0.0893	
Dibenz(a,h)anthracene	ND	1.12	0.13	
Benzo(g,h,i)perylene	14.4	1.12	0.134	

STL Seattle

Client Name:	Parametrix, Inc.
Client ID:	0205-OS-VC-04
Lab ID:	126377X05
Date Received:	-
Date Prepared:	2/28/2005
Date Analyzed:	3/1/2005
% Solids	70.25
Dilution Factor	1

Semivolatile Organics by USEPA Method 8270

Surrogate	% Recovery	Flags	Recovery Limits Low	High
2 - Fluorophenol	51.4		36	145
Phenol - d5	70.7		38	149
Nitrobenzene - d5	33.4	N	38	141
2 - Fluorobiphenyl	25.9	N	42	140
2,4,6 - Tribromophenol	75.2		28	143
p - Terphenyl - d14	67.3		42	151

Sample results are on a dry weight basis.

Analyte	Result (ug/kg)	RL	MDL	Flags
Phenol	4.53	2.79	0.185	B1
1,3-Dichlorobenzene	ND	2.79	0.391	
1,4-Dichlorobenzene	ND	2.79	0.36	
Benzyl Alcohol	6.15	2.79	0.267	B1
1,2-Dichlorobenzene	ND	2.79	0.183	
2-Methylphenol	ND	2.79	0.364	
3-&4-Methylphenol	2.85	2.79	0.364	
Hexachloroethane	ND	2.79	0.406	
2,4-Dimethylphenol	ND	1.11	0.178	
Benzoic Acid	57.8	33.4	6.82	B1
1,2,4-Trichlorobenzene	ND	2.79	0.38	
Naphthalene	1.33	1.11	0.175	
Hexachlorobutadiene	ND	2.79	0.347	
2-Methylnaphthalene	0.69	1.11	0.244	J
Dimethylphthalate	0.542	5.57	0.461	J
Acenaphthylene	0.516	1.11	0.191	J
Acenaphthene	3.59	1.11	0.199	
Dibenzofuran	1.46	2.79	0.201	J
Diethylphthalate	4.4	5.57	0.294	J B1
Fluorene	3.05	1.11	0.25	
N-Nitrosodiphenylamine	ND	1.11	0.149	
Hexachlorobenzene	ND	1.11	0.262	
Pentachlorophenol	ND	5.57	0.967	
Phenanthrene	14.2	1.11	0.13	
Anthracene	2.86	1.11	0.196	
Di-n-butylphthalate	181	5.57	1.73	B1 E

STL Seattle

Semivolatile Organics by USEPA Method 8270 data for 126377X05 continued...

Analyte	Result (ug/kg)	RL	MDL	Flags
Fluoranthene	22.6	1.11	0.185	
Pyrene	20.4	1.11	0.15	
Butylbenzylphthalate	14.7	11.1	0.862	B1
Benzo(a)anthracene	11.1	1.11	0.137	
Chrysene	17.6	1.11	0.182	
bis(2-Ethylhexyl)phthalate	35.2	11.1	1.72	B1
Di-n-octylphthalate	0.778	11.1	0.316	J B1
Benzo(b)fluoranthene	19.1	1.11	0.248	
Benzo(k)fluoranthene	6.35	1.11	0.309	
Benzo(a)pyrene	13.5	1.11	0.0687	
Indeno(1,2,3-cd)pyrene	10.4	1.11	0.0887	
Dibenz(a,h)anthracene	2.78	1.11	0.129	
Benzo(g,h,i)perylene	10.7	1.11	0.133	

STL Seattle

Client Name:	Parametrix, Inc.
Client ID:	0205-OS-VC-04 - dilution
Lab ID:	126377L05
Date Received:	-
Date Prepared:	2/28/2005
Date Analyzed:	3/1/2005
% Solids	70.25
Dilution Factor	5

Semivolatile Organics by USEPA Method 8270

Surrogate	% Recovery	Flags	Recovery Limits Low	High
2 - Fluorophenol	50.2		36	145
Phenol - d5	68.4		38	149
Nitrobenzene - d5	33	N	38	141
2 - Fluorobiphenyl	26.6	N	42	140
2,4,6 - Tribromophenol	83.5		28	143
p - Terphenyl - d14	78.1		42	151

Sample results are on a dry weight basis.

Analyte		Result (ug/kg)	RL	MDL	Flags
Phenol		4.49	13.9	0.926	J B1
1,3-Dichlorobenzene	ND		13.9	1.95	
1,4-Dichlorobenzene	ND		13.9	1.8	
Benzyl Alcohol	ND		13.9	1.33	
1,2-Dichlorobenzene	ND		13.9	0.913	
2-Methylphenol	ND		13.9	1.82	
3-&4-Methylphenol		8.47	13.9	1.82	J
Hexachloroethane	ND		13.9	2.03	
2,4-Dimethylphenol	ND		5.57	0.889	
Benzoic Acid		141	167	34.1	J B1
1,2,4-Trichlorobenzene	ND		13.9	1.9	
Naphthalene		1.76	5.57	0.877	J
Hexachlorobutadiene	ND		13.9	1.73	
2-Methylnaphthalene	ND		5.57	1.22	
Dimethylphthalate	ND		27.9	2.3	
Acenaphthylene	ND		5.57	0.955	
Acenaphthene		3.5	5.57	0.995	J
Dibenzofuran		2.96	13.9	1.01	J
Diethylphthalate		10.6	27.9	1.47	J B1
Fluorene		2.86	5.57	1.25	J
N-Nitrosodiphenylamine	ND		5.57	0.745	
Hexachlorobenzene	ND		5.57	1.31	
Pentachlorophenol	ND		27.9	4.84	
Phenanthrene		14.5	5.57	0.652	
Anthracene		3.33	5.57	0.982	J
Di-n-butylphthalate		231	27.9	8.66	B1

STL Seattle

Semivolatile Organics by USEPA Method 8270 data for 126377L05 continued...

Analyte	Result (ug/kg)	RL	MDL	Flags
Fluoranthene	26.8	5.57	0.923	
Pyrene	23.4	5.57	0.749	
Butylbenzylphthalate	34.4	55.7	4.31	J B1
Benzo(a)anthracene	12.5	5.57	0.686	
Chrysene	17.7	5.57	0.909	
bis(2-Ethylhexyl)phthalate	38.4	55.7	8.62	J B1
Di-n-octylphthalate	ND	55.7	1.58	
Benzo(b)fluoranthene	21.7	5.57	1.24	
Benzo(k)fluoranthene	6.2	5.57	1.55	
Benzo(a)pyrene	14.1	5.57	0.343	
Indeno(1,2,3-cd)pyrene	16	5.57	0.443	
Dibenz(a,h)anthracene	6.36	5.57	0.645	
Benzo(g,h,i)perylene	13	5.57	0.665	

STL Seattle

Client Name:	Parametrix, Inc.
Client ID:	0205-OS-VC-05
Lab ID:	126377-06
Date Received:	2/18/2005
Date Prepared:	2/21/2005
Date Analyzed:	2/25/2005
% Solids	85.38
Dilution Factor	1

Semivolatile Organics by USEPA Method 8270

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
2 - Fluorophenol	18.2	X9	36	145
Phenol - d5	39.9		38	149
Nitrobenzene - d5	13.3	N	38	141
2 - Fluorobiphenyl	24.7	X9	42	140
2,4,6 - Tribromophenol	59.5		28	143
p - Terphenyl - d14	71.1		42	151

Sample results are on a dry weight basis.

Analyte	**Result (ug/kg)**	**RL**	**MDL**	**Flags**
Phenol	5.26	2.76	0.184	B2
1,3-Dichlorobenzene	0.482	2.76	0.387	J
1,4-Dichlorobenzene	ND	2.76	0.357	
Benzyl Alcohol	4.52	2.76	0.265	
1,2-Dichlorobenzene	ND	2.76	0.181	
2-Methylphenol	ND	2.76	0.361	
3-&4-Methylphenol	1.94	2.76	0.361	J
Hexachloroethane	ND	2.76	0.403	
2,4-Dimethylphenol	ND	1.1	0.176	
Benzoic Acid	34.6	33.1	6.76	B1
1,2,4-Trichlorobenzene	0.648	2.76	0.377	J B1
Naphthalene	0.424	1.1	0.174	J
Hexachlorobutadiene	ND	2.76	0.344	
2-Methylnaphthalene	0.36	1.1	0.242	J
Dimethylphthalate	ND	5.52	0.457	
Acenaphthylene	ND	1.1	0.189	
Acenaphthene	ND	1.1	0.197	
Dibenzofuran	ND	2.76	0.199	
Diethylphthalate	2.34	5.52	0.291	J B1
Fluorene	ND	1.1	0.248	
N-Nitrosodiphenylamine	ND	1.1	0.148	
Hexachlorobenzene	ND	1.1	0.26	
Pentachlorophenol	ND	5.52	0.959	
Phenanthrene	0.381	1.1	0.129	J
Anthracene	ND	1.1	0.195	
Di-n-butylphthalate	147	5.52	1.72	B1

STL Seattle

Semivolatile Organics by USEPA Method 8270 data for 126377-06 continued...

Analyte		Result (ug/kg)	RL	MDL	Flags
Fluoranthene		0.321	1.1	0.183	J
Pyrene		0.362	1.1	0.149	J
Butylbenzylphthalate		7.52	11	0.854	J B1
Benzo(a)anthracene	ND		1.1	0.136	
Chrysene	ND		1.1	0.18	
bis(2-Ethylhexyl)phthalate		13	11	1.71	B1
Di-n-octylphthalate	ND		11	0.314	
Benzo(b)fluoranthene	ND		1.1	0.246	
Benzo(k)fluoranthene	ND		1.1	0.306	
Benzo(a)pyrene	ND		1.1	0.0681	
Indeno(1,2,3-cd)pyrene	ND		1.1	0.0879	
Dibenz(a,h)anthracene	ND		1.1	0.128	
Benzo(g,h,i)perylene	ND		1.1	0.132	

STL Seattle

Client Name:	Parametrix, Inc.
Client ID:	0205-OS-VC-05
Lab ID:	126377X06
Date Received:	-
Date Prepared:	2/28/2005
Date Analyzed:	3/1/2005
% Solids	85.38
Dilution Factor	1

Semivolatile Organics by USEPA Method 8270

Surrogate	% Recovery	Flags	Recovery Limits Low	High
2 - Fluorophenol	62.9		36	145
Phenol - d5	81.5		38	149
Nitrobenzene - d5	36.2	N	38	141
2 - Fluorobiphenyl	35.3	N	42	140
2,4,6 - Tribromophenol	68.1		28	143
p - Terphenyl - d14	78.5		42	151

Sample results are on a dry weight basis.

Analyte		Result (ug/kg)	RL	MDL	Flags
Phenol		5.25	2.85	0.19	B1
1,3-Dichlorobenzene	ND		2.85	0.4	
1,4-Dichlorobenzene	ND		2.85	0.369	
Benzyl Alcohol		4.5	2.85	0.273	B1
1,2-Dichlorobenzene		0.347	2.85	0.187	J
2-Methylphenol	ND		2.85	0.373	
3-&4-Methylphenol		1.87	2.85	0.373	J
Hexachloroethane	ND		2.85	0.416	
2,4-Dimethylphenol	ND		1.14	0.182	
Benzoic Acid		30.5	34.2	6.98	J B1
1,2,4-Trichlorobenzene		0.421	2.85	0.389	J B1
Naphthalene	ND		1.14	0.18	
Hexachlorobutadiene	ND		2.85	0.355	
2-Methylnaphthalene	ND		1.14	0.249	
Dimethylphthalate	ND		5.7	0.472	
Acenaphthylene	ND		1.14	0.195	
Acenaphthene	ND		1.14	0.204	
Dibenzofuran		0.318	2.85	0.206	J
Diethylphthalate		2.98	5.7	0.301	J B1
Fluorene	ND		1.14	0.256	
N-Nitrosodiphenylamine	ND		1.14	0.153	
Hexachlorobenzene	ND		1.14	0.268	
Pentachlorophenol	ND		5.7	0.99	
Phenanthrene	ND		1.14	0.134	
Anthracene	ND		1.14	0.201	
Di-n-butylphthalate		181	5.7	1.77	B1 E

STL Seattle

Semivolatile Organics by USEPA Method 8270 data for 126377X06 continued...

Analyte	Result (ug/kg)	RL	MDL	Flags
Fluoranthene	ND	1.14	0.189	
Pyrene	ND	1.14	0.153	
Butylbenzylphthalate	11.5	11.4	0.882	B1
Benzo(a)anthracene	ND	1.14	0.14	
Chrysene	ND	1.14	0.186	
bis(2-Ethylhexyl)phthalate	24.9	11.4	1.76	B1
Di-n-octylphthalate	ND	11.4	0.324	
Benzo(b)fluoranthene	ND	1.14	0.254	
Benzo(k)fluoranthene	ND	1.14	0.316	
Benzo(a)pyrene	ND	1.14	0.0703	
Indeno(1,2,3-cd)pyrene	ND	1.14	0.0908	
Dibenz(a,h)anthracene	ND	1.14	0.132	
Benzo(g,h,i)perylene	ND	1.14	0.136	

STL Seattle

Client Name:	Parametrix, Inc.
Client ID:	0205-OS-VC-05 - dilution
Lab ID:	126377L06
Date Received:	-
Date Prepared:	2/28/2005
Date Analyzed:	3/4/2005
% Solids	85.38
Dilution Factor	5

Semivolatile Organics by USEPA Method 8270

Surrogate	% Recovery	Flags	Recovery Limits Low	High
2 - Fluorophenol	57		36	145
Phenol - d5	72.4		38	149
Nitrobenzene - d5	34	N	38	141
2 - Fluorobiphenyl	34.5	N	42	140
2,4,6 - Tribromophenol	67.9		28	143
p - Terphenyl - d14	74.5		42	151

Sample results are on a dry weight basis.

Analyte	Result (ug/kg)	RL	MDL	Flags
Phenol	5.87	14.3	0.948	J B1
1,3-Dichlorobenzene	ND	14.3	2	
1,4-Dichlorobenzene	ND	14.3	1.84	
Benzyl Alcohol	ND	14.3	1.37	
1,2-Dichlorobenzene	ND	14.3	0.934	
2-Methylphenol	ND	14.3	1.86	
3-&4-Methylphenol	ND	14.3	1.86	
Hexachloroethane	ND	14.3	2.08	
2,4-Dimethylphenol	ND	5.7	0.91	
Benzoic Acid	160	171	34.9	J B1
1,2,4-Trichlorobenzene	ND	14.3	1.95	
Naphthalene	ND	5.7	0.898	
Hexachlorobutadiene	ND	14.3	1.78	
2-Methylnaphthalene	ND	5.7	1.25	
Dimethylphthalate	ND	28.5	2.36	
Acenaphthylene	ND	5.7	0.977	
Acenaphthene	ND	5.7	1.02	
Dibenzofuran	ND	14.3	1.03	
Diethylphthalate	7.49	28.5	1.5	J B1
Fluorene	ND	5.7	1.28	
N-Nitrosodiphenylamine	ND	5.7	0.763	
Hexachlorobenzene	ND	5.7	1.34	
Pentachlorophenol	ND	28.5	4.95	
Phenanthrene	ND	5.7	0.668	
Anthracene	ND	5.7	1	
Di-n-butylphthalate	172	28.5	8.86	B1

STL Seattle

Semivolatile Organics by USEPA Method 8270 data for 126377L06 continued...

Analyte	Result (ug/kg)	RL	MDL	Flags
Fluoranthene	ND	5.7	0.944	
Pyrene	ND	5.7	0.767	
Butylbenzylphthalate	28.4	57	4.41	J B1
Benzo(a)anthracene	ND	5.7	0.702	
Chrysene	ND	5.7	0.93	
bis(2-Ethylhexyl)phthalate	26.4	57	8.82	J B1
Di-n-octylphthalate	ND	57	1.62	
Benzo(b)fluoranthene	ND	5.7	1.27	
Benzo(k)fluoranthene	ND	5.7	1.58	
Benzo(a)pyrene	ND	5.7	0.351	
Indeno(1,2,3-cd)pyrene	ND	5.7	0.454	
Dibenz(a,h)anthracene	ND	5.7	0.66	
Benzo(g,h,i)perylene	ND	5.7	0.68	

STL Seattle

Client Name:	Parametrix, Inc.
Client ID:	0205-OS-VC-06
Lab ID:	126377-07
Date Received:	2/18/2005
Date Prepared:	2/21/2005
Date Analyzed:	2/25/2005
% Solids	59.88
Dilution Factor	1

Semivolatile Organics by USEPA Method 8270

Surrogate	% Recovery	Flags	Recovery Limits Low	High
2 - Fluorophenol	37.5		36	145
Phenol - d5	53.2		38	149
Nitrobenzene - d5	27.7	N	38	141
2 - Fluorobiphenyl	38	X9	42	140
2,4,6 - Tribromophenol	65.7		28	143
p - Terphenyl - d14	62.5		42	151

Sample results are on a dry weight basis.

Analyte		Result (ug/kg)	RL	MDL	Flags
Phenol		4.08	2.68	0.179	B2
1,3-Dichlorobenzene	ND		2.68	0.376	
1,4-Dichlorobenzene	ND		2.68	0.347	
Benzyl Alcohol		8.1	2.68	0.257	
1,2-Dichlorobenzene	ND		2.68	0.176	
2-Methylphenol		0.524	2.68	0.351	J
3-&4-Methylphenol		7.11	2.68	0.351	
Hexachloroethane	ND		2.68	0.392	
2,4-Dimethylphenol		1.86	1.07	0.171	
Benzoic Acid		45.8	32.2	6.57	B1
1,2,4-Trichlorobenzene		0.59	2.68	0.366	J B1
Naphthalene		2.92	1.07	0.169	
Hexachlorobutadiene	ND		2.68	0.334	
2-Methylnaphthalene		1.97	1.07	0.235	
Dimethylphthalate	ND		5.37	0.444	
Acenaphthylene		0.955	1.07	0.184	J
Acenaphthene		2.01	1.07	0.192	
Dibenzofuran		1.84	2.68	0.194	J
Diethylphthalate		3.37	5.37	0.283	J B1
Fluorene		3.57	1.07	0.241	
N-Nitrosodiphenylamine	ND		1.07	0.144	
Hexachlorobenzene	ND		1.07	0.252	
Pentachlorophenol		1.63	5.37	0.932	J
Phenanthrene		11.7	1.07	0.126	
Anthracene		2.52	1.07	0.189	
Di-n-butylphthalate		215	5.37	1.67	B1 E

STL Seattle

Semivolatile Organics by USEPA Method 8270 data for 126377-07 continued...

Analyte		Result (ug/kg)	RL	MDL	Flags
Fluoranthene		19.2	1.07	0.178	
Pyrene		19.6	1.07	0.144	
Butylbenzylphthalate		8.85	10.7	0.83	J B1
Benzo(a)anthracene		9.81	1.07	0.132	
Chrysene		16.8	1.07	0.175	
bis(2-Ethylhexyl)phthalate		42.6	10.7	1.66	B1
Di-n-octylphthalate	ND		10.7	0.305	
Benzo(b)fluoranthene		16.4	1.07	0.239	
Benzo(k)fluoranthene		5.41	1.07	0.298	
Benzo(a)pyrene		11.1	1.07	0.0662	
Indeno(1,2,3-cd)pyrene	ND		1.07	0.0854	
Dibenz(a,h)anthracene	ND		1.07	0.124	
Benzo(g,h,i)perylene		8.95	1.07	0.128	

STL Seattle

Client Name:	Parametrix, Inc.
Client ID:	0205-OS-VC-06
Lab ID:	126377X07
Date Received:	-
Date Prepared:	2/28/2005
Date Analyzed:	3/1/2005
% Solids	59.88
Dilution Factor	1

Semivolatile Organics by USEPA Method 8270

Surrogate	% Recovery	Flags	Recovery Limits Low	High
2 - Fluorophenol	48		36	145
Phenol - d5	65.4		38	149
Nitrobenzene - d5	26.5	N	38	141
2 - Fluorobiphenyl	25.9	N	42	140
2,4,6 - Tribromophenol	85.4		28	143
p - Terphenyl - d14	72.1		42	151

Sample results are on a dry weight basis.

Analyte	Result (ug/kg)	RL	MDL	Flags
Phenol	5.18	2.64	0.175	B1
1,3-Dichlorobenzene	ND	2.64	0.37	
1,4-Dichlorobenzene	ND	2.64	0.341	
Benzyl Alcohol	6.93	2.64	0.253	B1
1,2-Dichlorobenzene	ND	2.64	0.173	
2-Methylphenol	ND	2.64	0.345	
3-&4-Methylphenol	4.19	2.64	0.345	
Hexachloroethane	ND	2.64	0.385	
2,4-Dimethylphenol	ND	1.05	0.168	
Benzoic Acid	61	31.6	6.45	B1
1,2,4-Trichlorobenzene	ND	2.64	0.36	
Naphthalene	1.15	1.05	0.166	
Hexachlorobutadiene	ND	2.64	0.328	
2-Methylnaphthalene	0.925	1.05	0.231	J
Dimethylphthalate	3.46	5.27	0.436	J
Acenaphthylene	4.59	1.05	0.181	
Acenaphthene	1.26	1.05	0.188	
Dibenzofuran	1.41	2.64	0.19	J
Diethylphthalate	3.67	5.27	0.278	J B1
Fluorene	3.42	1.05	0.237	
N-Nitrosodiphenylamine	ND	1.05	0.141	
Hexachlorobenzene	ND	1.05	0.248	
Pentachlorophenol	1.48	5.27	0.915	J
Phenanthrene	16.8	1.05	0.123	
Anthracene	11.3	1.05	0.186	
Di-n-butylphthalate	219	5.27	1.64	B1 E

STL Seattle

Semivolatile Organics by USEPA Method 8270 data for 126377X07 continued...

Analyte	Result (ug/kg)	RL	MDL	Flags
Fluoranthene	24.4	1.05	0.175	
Pyrene	24.2	1.05	0.142	
Butylbenzylphthalate	18.8	10.5	0.816	B1
Benzo(a)anthracene	48.4	1.05	0.13	
Chrysene	255	1.05	0.172	E
bis(2-Ethylhexyl)phthalate	46.1	10.5	1.63	B1
Di-n-octylphthalate	1.01	10.5	0.299	J B1
Benzo(b)fluoranthene	69.7	1.05	0.235	
Benzo(k)fluoranthene	29.5	1.05	0.293	
Benzo(a)pyrene	42.8	1.05	0.065	
Indeno(1,2,3-cd)pyrene	22.3	1.05	0.0839	
Dibenz(a,h)anthracene	5.4	1.05	0.122	
Benzo(g,h,i)perylene	19.3	1.05	0.126	

STL Seattle

Client Name:	Parametrix, Inc.
Client ID:	0205-OS-VC-06 - dilution
Lab ID:	126377L07
Date Received:	-
Date Prepared:	2/28/2005
Date Analyzed:	3/1/2005
% Solids	59.88
Dilution Factor	5

Semivolatile Organics by USEPA Method 8270

Surrogate	% Recovery	Flags	Recovery Limits Low	High
2 - Fluorophenol	48.8		36	145
Phenol - d5	63.3		38	149
Nitrobenzene - d5	27.1	N	38	141
2 - Fluorobiphenyl	28.7	N	42	140
2,4,6 - Tribromophenol	98.4		28	143
p - Terphenyl - d14	85.5		42	151

Sample results are on a dry weight basis.

Analyte	Result (ug/kg)	RL	MDL	Flags
Phenol	5.69	13.2	0.877	J B1
1,3-Dichlorobenzene	ND	13.2	1.85	
1,4-Dichlorobenzene	ND	13.2	1.71	
Benzyl Alcohol	ND	13.2	1.26	
1,2-Dichlorobenzene	ND	13.2	0.864	
2-Methylphenol	ND	13.2	1.72	
3-&4-Methylphenol	9.42	13.2	1.72	J
Hexachloroethane	ND	13.2	1.92	
2,4-Dimethylphenol	ND	5.27	0.841	
Benzoic Acid	136	158	32.3	J B1
1,2,4-Trichlorobenzene	ND	13.2	1.8	
Naphthalene	1.34	5.27	0.83	J
Hexachlorobutadiene	ND	13.2	1.64	
2-Methylnaphthalene	ND	5.27	1.15	
Dimethylphthalate	3.52	26.4	2.18	J
Acenaphthylene	5.48	5.27	0.904	
Acenaphthene	1.92	5.27	0.942	J
Dibenzofuran	2.25	13.2	0.951	J
Diethylphthalate	10.6	26.4	1.39	J B1
Fluorene	3.98	5.27	1.18	J
N-Nitrosodiphenylamine	ND	5.27	0.705	
Hexachlorobenzene	ND	5.27	1.24	
Pentachlorophenol	ND	26.4	4.58	
Phenanthrene	18	5.27	0.617	
Anthracene	13	5.27	0.929	
Di-n-butylphthalate	273	26.4	8.2	B1

STL Seattle

Semivolatile Organics by USEPA Method 8270 data for 126377L07 continued...

Analyte	Result (ug/kg)	RL	MDL	Flags
Fluoranthene	31	5.27	0.873	
Pyrene	29.3	5.27	0.709	
Butylbenzylphthalate	34.4	52.7	4.08	J B1
Benzo(a)anthracene	52.7	5.27	0.649	
Chrysene	266	5.27	0.86	
bis(2-Ethylhexyl)phthalate	49.1	52.7	8.16	J B1
Di-n-octylphthalate	2.21	52.7	1.5	J B1
Benzo(b)fluoranthene	77.1	5.27	1.17	
Benzo(k)fluoranthene	30.4	5.27	1.46	
Benzo(a)pyrene	44.8	5.27	0.325	
Indeno(1,2,3-cd)pyrene	27.7	5.27	0.42	
Dibenz(a,h)anthracene	8.07	5.27	0.611	
Benzo(g,h,i)perylene	21.5	5.27	0.629	

STL Seattle

Client Name:	Parametrix, Inc.
Client ID:	0205-OS-VC-06Z
Lab ID:	126377-08
Date Received:	2/18/2005
Date Prepared:	2/21/2005
Date Analyzed:	2/25/2005
% Solids	57.85
Dilution Factor	1

Semivolatile Organics by USEPA Method 8270

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
2 - Fluorophenol	40.1		36	145
Phenol - d5	56.9		38	149
Nitrobenzene - d5	30.2	N	38	141
2 - Fluorobiphenyl	38.7	X9	42	140
2,4,6 - Tribromophenol	75.9		28	143
p - Terphenyl - d14	70.1		42	151

Sample results are on a dry weight basis.

Analyte		**Result (ug/kg)**	**RL**	**MDL**	**Flags**
Phenol		3.47	2.58	0.172	B2
1,3-Dichlorobenzene	ND		2.58	0.362	
1,4-Dichlorobenzene	ND		2.58	0.334	
Benzyl Alcohol		9.67	2.58	0.247	
1,2-Dichlorobenzene		0.378	2.58	0.169	J B1
2-Methylphenol		0.796	2.58	0.337	J
3-&4-Methylphenol		8.72	2.58	0.337	
Hexachloroethane	ND		2.58	0.376	
2,4-Dimethylphenol	ND		1.03	0.165	
Benzoic Acid		60.6	31	6.31	B1
1,2,4-Trichlorobenzene		0.428	2.58	0.352	J B1
Naphthalene		5.06	1.03	0.162	
Hexachlorobutadiene	ND		2.58	0.321	
2-Methylnaphthalene		2.79	1.03	0.226	
Dimethylphthalate		1.08	5.16	0.427	J
Acenaphthylene		1.85	1.03	0.177	
Acenaphthene		10.9	1.03	0.184	
Dibenzofuran		4.18	2.58	0.186	
Diethylphthalate		6	5.16	0.272	B1
Fluorene		9.36	1.03	0.232	
N-Nitrosodiphenylamine	ND		1.03	0.138	
Hexachlorobenzene	ND		1.03	0.243	
Pentachlorophenol		1.3	5.16	0.896	J
Phenanthrene		45.8	1.03	0.121	
Anthracene		11.2	1.03	0.182	
Di-n-butylphthalate		207	5.16	1.6	B1 E

STL Seattle

Semivolatile Organics by USEPA Method 8270 data for 126377-08 continued...

Analyte	Result (ug/kg)	RL	MDL	Flags
Fluoranthene	59.5	1.03	0.171	
Pyrene	57.5	1.03	0.139	
Butylbenzylphthalate	11.4	10.3	0.798	B1
Benzo(a)anthracene	30.7	1.03	0.127	
Chrysene	35.3	1.03	0.168	
bis(2-Ethylhexyl)phthalate	38.8	10.3	1.6	B1
Di-n-octylphthalate	ND	10.3	0.293	
Benzo(b)fluoranthene	43.8	1.03	0.23	
Benzo(k)fluoranthene	16	1.03	0.286	
Benzo(a)pyrene	36.8	1.03	0.0636	
Indeno(1,2,3-cd)pyrene	22.5	1.03	0.0821	
Dibenz(a,h)anthracene	ND	1.03	0.12	
Benzo(g,h,i)perylene	22.3	1.03	0.123	

STL Seattle

Client Name:	Parametrix, Inc.
Client ID:	0205-OS-VC-06Z - dilution
Lab ID:	126377L08
Date Received:	-
Date Prepared:	2/21/2005
Date Analyzed:	3/1/2005
% Solids	57.85
Dilution Factor	5

Semivolatile Organics by USEPA Method 8270

Surrogate	% Recovery	Flags	Recovery Limits Low	High
2 - Fluorophenol	50.7		36	145
Phenol - d5	73.6		38	149
Nitrobenzene - d5	42.3		38	141
2 - Fluorobiphenyl	52.7		42	140
2,4,6 - Tribromophenol	108		28	143
p - Terphenyl - d14	92.7		42	151

Sample results are on a dry weight basis.

Analyte		Result (ug/kg)	RL	MDL	Flags
Phenol		5.23	12.9	0.858	J B1
1,3-Dichlorobenzene	ND		12.9	1.81	
1,4-Dichlorobenzene	ND		12.9	1.67	
Benzyl Alcohol		14.5	12.9	1.24	
1,2-Dichlorobenzene	ND		12.9	0.845	
2-Methylphenol	ND		12.9	1.69	
3-&4-Methylphenol		16.2	12.9	1.69	
Hexachloroethane	ND		12.9	1.88	
2,4-Dimethylphenol	ND		5.16	0.823	
Benzoic Acid		140	155	31.6	J B1
1,2,4-Trichlorobenzene	ND		12.9	1.76	
Naphthalene		7.28	5.16	0.812	
Hexachlorobutadiene	ND		12.9	1.61	
2-Methylnaphthalene		3.86	5.16	1.13	J
Dimethylphthalate	ND		25.8	2.13	
Acenaphthylene		3.14	5.16	0.885	J
Acenaphthene		14.2	5.16	0.922	
Dibenzofuran		7.44	12.9	0.931	J
Diethylphthalate		15.8	25.8	1.36	J B1
Fluorene		11.5	5.16	1.16	
N-Nitrosodiphenylamine	ND		5.16	0.69	
Hexachlorobenzene	ND		5.16	1.21	
Pentachlorophenol	ND		25.8	4.48	
Phenanthrene		61.1	5.16	0.604	
Anthracene		16.3	5.16	0.909	
Di-n-butylphthalate		312	25.8	8.02	B1

STL Seattle

Semivolatile Organics by USEPA Method 8270 data for 126377L08 continued...

Analyte	Result (ug/kg)	RL	MDL	Flags
Fluoranthene	84.5	5.16	0.855	
Pyrene	81.2	5.16	0.694	
Butylbenzylphthalate	29.9	51.6	3.99	J B1
Benzo(a)anthracene	ND	5.16	0.635	
Chrysene	48.2	5.16	0.842	
bis(2-Ethylhexyl)phthalate	57.2	51.6	7.98	B1
Di-n-octylphthalate	2.14	51.6	1.46	J
Benzo(b)fluoranthene	58.8	5.16	1.15	
Benzo(k)fluoranthene	20.4	5.16	1.43	
Benzo(a)pyrene	48.4	5.16	0.318	
Indeno(1,2,3-cd)pyrene	38.1	5.16	0.411	
Dibenz(a,h)anthracene	10.9	5.16	0.598	
Benzo(g,h,i)perylene	36.7	5.16	0.616	

STL Seattle

Client Name	Parametrix, Inc.
Client ID:	0205-OS-VC-01
Lab ID:	126377-01
Date Received:	2/18/2005
Date Prepared:	2/21/2005
Date Analyzed:	2/23/2005
% Solids	55.96
Dilution Factor	20

Organotins by GC/MS Ion Trap Full Scan (PSEP) Protocol

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Tripentyltin	117		42	192

Sample results are on a dry weight basis.

Analyte	**Result (ug/kg)**	**PQL**	**MRL**	**Flags**
Tributyltin	ND	3.91	1.35	

STL Seattle

Client Name	Parametrix, Inc.
Client ID:	0205-OS-VC-02
Lab ID:	126377-02
Date Received:	2/18/2005
Date Prepared:	2/21/2005
Date Analyzed:	2/23/2005
% Solids	71.62
Dilution Factor	20

Organotins by GC/MS Ion Trap Full Scan (PSEP) Protocol

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Tripentyltin	107		42	192

Sample results are on a dry weight basis.

Analyte	**Result (ug/kg)**	**PQL**	**MRL**	**Flags**
Tributyltin	64.7	3.01	1.04	

STL Seattle

Client Name	Parametrix, Inc.
Client ID:	0205-OS-VC-03
Lab ID:	126377-03
Date Received:	2/18/2005
Date Prepared:	2/21/2005
Date Analyzed:	2/23/2005
% Solids	66.38
Dilution Factor	20

Organotins by GC/MS Ion Trap Full Scan (PSEP) Protocol

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Tripentyltin	114		42	192

Sample results are on a dry weight basis.

Analyte	**Result (ug/kg)**	**PQL**	**MRL**	**Flags**
Tributyltin	ND	3.27	1.13	

STL Seattle

Client Name	Parametrix, Inc.
Client ID:	0205-OS-VC-03A
Lab ID:	126377-04
Date Received:	2/18/2005
Date Prepared:	2/21/2005
Date Analyzed:	2/23/2005
% Solids	66.44
Dilution Factor	20

Organotins by GC/MS Ion Trap Full Scan (PSEP) Protocol

Surrogate	% Recovery	Flags	Recovery Limits Low	Recovery Limits High
Tripentyltin	127		42	192

Sample results are on a dry weight basis.

Analyte	Result (ug/kg)	PQL	MRL	Flags
Tributyltin	ND	3.51	1.21	

STL Seattle

Client Name	Parametrix, Inc.
Client ID:	0205-OS-VC-04
Lab ID:	126377-05
Date Received:	2/18/2005
Date Prepared:	2/21/2005
Date Analyzed:	2/23/2005
% Solids	70.25
Dilution Factor	20

Organotins by GC/MS Ion Trap Full Scan (PSEP) Protocol

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Tripentyltin	117		42	192

Sample results are on a dry weight basis.

Analyte	**Result (ug/kg)**	**PQL**	**MRL**	**Flags**
Tributyltin	ND	2.88	0.995	

STL Seattle

Client Name	Parametrix, Inc.
Client ID:	0205-OS-VC-05
Lab ID:	126377-06
Date Received:	2/18/2005
Date Prepared:	2/21/2005
Date Analyzed:	2/23/2005
% Solids	85.38
Dilution Factor	20

Organotins by GC/MS Ion Trap Full Scan (PSEP) Protocol

Surrogate	% Recovery	Flags	Recovery Limits Low	Recovery Limits High
Tripentyltin	103		42	192

Sample results are on a dry weight basis.

Analyte	Result (ug/kg)	PQL	MRL	Flags
Tributyltin	ND	2.57	0.891	

STL Seattle

Client Name	Parametrix, Inc.
Client ID:	0205-OS-VC-06
Lab ID:	126377-07
Date Received:	2/18/2005
Date Prepared:	2/21/2005
Date Analyzed:	2/23/2005
% Solids	59.88
Dilution Factor	20

Organotins by GC/MS Ion Trap Full Scan (PSEP) Protocol

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Tripentyltin	117		42	192

Sample results are on a dry weight basis.

Analyte	**Result (ug/kg)**	**PQL**	**MRL**	**Flags**
Tributyltin	ND	3.48	1.2	

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STL Seattle

Client Name	Parametrix, Inc.
Client ID:	0205-OS-VC-06Z
Lab ID:	126377-08
Date Received:	2/18/2005
Date Prepared:	2/21/2005
Date Analyzed:	2/23/2005
% Solids	57.85
Dilution Factor	20

Organotins by GC/MS Ion Trap Full Scan (PSEP) Protocol

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Tripentyltin	113		42	192

Sample results are on a dry weight basis.

Analyte	**Result (ug/kg)**	**PQL**	**MRL**	**Flags**
Tributyltin	2.7	3.99	1.38	J

STL Seattle

Client Name:	Parametrix, Inc.
Client ID:	0205-OS-VC-01P
Lab ID:	126377-09
Date Received:	2/18/2005
Date Prepared:	2/21/2005
Date Analyzed:	2/23/2005
% Solids	-
Dilution Factor	2

Organotins by GC/MS (PSEP) Protocol

Surrogate	% Recovery	Flags	Recovery Limits Low	Recovery Limits High
Tripentyltin	80.1		46	173

Analyte	Result (ug/L)	RL	MDL	Flags
Tributyltin	0.0342	0.00601	0.00192	

STL Seattle

Client Name:	Parametrix, Inc.
Client ID:	0205-OS-VC-02P
Lab ID:	126377-10
Date Received:	2/18/2005
Date Prepared:	2/21/2005
Date Analyzed:	2/23/2005
% Solids	-
Dilution Factor	2

Organotins by GC/MS (PSEP) Protocol

Surrogate	% Recovery	Flags	Recovery Limits Low	High
Tripentyltin	108		46	173

Analyte	Result (ug/L)	RL	MDL	Flags
Tributyltin	0.0386	0.0108	0.00344	

STL Seattle

Client Name:	Parametrix, Inc.
Client ID:	0205-OS-VC-03P
Lab ID:	126377-11
Date Received:	2/18/2005
Date Prepared:	2/21/2005
Date Analyzed:	2/24/2005
% Solids	-
Dilution Factor	2

Organotins by GC/MS (PSEP) Protocol

Surrogate	% Recovery	Flags	Recovery Limits Low	Recovery Limits High
Tripentyltin	86.5		46	173

Analyte	Result (ug/L)	RL	MDL	Flags
Tributyltin	ND	0.00601	0.00192	

STL Seattle

Client Name:	Parametrix, Inc.
Client ID:	0205-OS-VC-03AP
Lab ID:	126377-12
Date Received:	2/18/2005
Date Prepared:	2/21/2005
Date Analyzed:	2/24/2005
% Solids	-
Dilution Factor	2

Organotins by GC/MS (PSEP) Protocol

Surrogate	% Recovery	Flags	Recovery Limits Low	Recovery Limits High
Tripentyltin	99.1		46	173

Analyte	Result (ug/L)	RL	MDL	Flags
Tributyltin	ND	0.00697	0.00223	

STL Seattle

Client Name:	Parametrix, Inc.
Client ID:	0205-OS-VC-04P
Lab ID:	126377-13
Date Received:	2/18/2005
Date Prepared:	2/21/2005
Date Analyzed:	2/24/2005
% Solids	-
Dilution Factor	2

Organotins by GC/MS (PSEP) Protocol

Surrogate	% Recovery	Flags	Recovery Limits Low	Recovery Limits High
Tripentyltin	83.7		46	173

Analyte	Result (ug/L)	RL	MDL	Flags
Tributyltin	0.0491	0.00773	0.00247	

STL Seattle

Client Name:	Parametrix, Inc.
Client ID:	0205-OS-VC-06P
Lab ID:	126377-15
Date Received:	2/18/2005
Date Prepared:	2/21/2005
Date Analyzed:	2/24/2005
% Solids	-
Dilution Factor	2

Organotins by GC/MS (PSEP) Protocol

Surrogate	% Recovery	Flags	Recovery Limits Low	Recovery Limits High
Tripentyltin	82.7		46	173

Analyte	Result (ug/L)	RL	MDL	Flags
Tributyltin	0.0432	0.00617	0.00197	

00067

STL Seattle

Client Name:	Parametrix, Inc.
Client ID:	0205-OS-VC-06ZP
Lab ID:	126377-16
Date Received:	2/18/2005
Date Prepared:	2/21/2005
Date Analyzed:	2/24/2005
% Solids	-
Dilution Factor	2

Organotins by GC/MS (PSEP) Protocol

Surrogate	% Recovery	Flags	Recovery Limits Low	Recovery Limits High
Tripentyltin	61.5		46	173

Analyte	Result (ug/L)	RL	MDL	Flags
Tributyltin	ND	0.00819	0.00262	

STL Seattle

Client Name:	Parametrix, Inc.
Client ID:	0205-OS-VC-01
Lab ID:	126377-01
Date Received:	2/18/2005
Date Prepared:	2/24/2005
Date Analyzed:	2/28/2005
% Solids	55.96
Dilution Factor	1

Organochlorine Pesticides by EPA Method 8081A

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Tetrachloro-m-xylene	73.7		47	144
Decachlorobiphenyl	113		51	149

Sample results are on a dry weight basis.

Analyte	**Result (ug/kg)**	**RL**	**MDL**	**Flags**
Aldrin	ND	0.782	0.0806	
gamma-BHC (Lindane)	ND	0.782	0.0939	
4,4'-DDD	0.59	1.56	0.16	J C1
4,4'-DDE	1.09	1.56	0.156	J C1
4,4'-DDT	ND	1.56	0.184	
Dieldrin	ND	1.56	0.19	
Heptachlor	ND	0.782	0.0782	
alpha-Chlordane	ND	0.782	0.0845	
gamma-Chlordane	ND	0.782	0.0946	
Hexachlorobenzene	ND	1.56	0.696	
Hexachlorobutadiene	ND	0.782	0.336	

STL Seattle

Client Name:	Parametrix, Inc.
Client ID:	0205-OS-VC-02
Lab ID:	126377-02
Date Received:	2/18/2005
Date Prepared:	2/24/2005
Date Analyzed:	2/28/2005
% Solids	71.62
Dilution Factor	1

Organochlorine Pesticides by EPA Method 8081A

Surrogate	% Recovery	Flags	Recovery Limits Low	Recovery Limits High
Tetrachloro-m-xylene	74.1		47	144
Decachlorobiphenyl	68.6		51	149

Sample results are on a dry weight basis.

Analyte	Result (ug/kg)	RL	MDL	Flags
Aldrin	ND	0.732	0.0754	
gamma-BHC (Lindane)	ND	0.732	0.0878	
4,4'-DDD	ND	1.46	0.149	
4,4'-DDE	0.607	1.46	0.146	J C1
4,4'-DDT	ND	1.46	0.172	
Dieldrin	ND	1.46	0.178	
Heptachlor	ND	0.732	0.0732	
alpha-Chlordane	ND	0.732	0.0791	
gamma-Chlordane	ND	0.732	0.0886	
Hexachlorobenzene	ND	1.46	0.652	
Hexachlorobutadiene	ND	0.732	0.315	

STL Seattle

Client Name:	Parametrix, Inc.
Client ID:	0205-OS-VC-03
Lab ID:	126377-03
Date Received:	2/18/2005
Date Prepared:	2/24/2005
Date Analyzed:	2/28/2005
% Solids	66.38
Dilution Factor	1

Organochlorine Pesticides by EPA Method 8081A

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Tetrachloro-m-xylene	71		47	144
Decachlorobiphenyl	67.6		51	149

Sample results are on a dry weight basis.

Analyte	**Result (ug/kg)**	**RL**	**MDL**	**Flags**
Aldrin	ND	0.793	0.0817	
gamma-BHC (Lindane)	ND	0.793	0.0951	
4,4'-DDD	ND	1.59	0.162	
4,4'-DDE	0.773	1.59	0.159	J C1
4,4'-DDT	ND	1.59	0.186	
Dieldrin	ND	1.59	0.193	
Heptachlor	ND	0.793	0.0793	
alpha-Chlordane	ND	0.793	0.0856	
gamma-Chlordane	ND	0.793	0.0959	
Hexachlorobenzene	ND	1.59	0.706	
Hexachlorobutadiene	ND	0.793	0.341	

STL Seattle

Client Name:	Parametrix, Inc.
Client ID:	0205-OS-VC-03A
Lab ID:	126377-04
Date Received:	2/18/2005
Date Prepared:	2/24/2005
Date Analyzed:	2/28/2005
% Solids	66.44
Dilution Factor	1

Organochlorine Pesticides by EPA Method 8081A

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Tetrachloro-m-xylene	68.7		47	144
Decachlorobiphenyl	117		51	149

Sample results are on a dry weight basis.

Analyte	**Result (ug/kg)**	**RL**	**MDL**	**Flags**
Aldrin	ND	0.749	0.0772	
gamma-BHC (Lindane)	ND	0.749	0.0899	
4,4'-DDD	ND	1.5	0.153	
4,4'-DDE	0.758	1.5	0.15	J C1
4,4'-DDT	ND	1.5	0.176	
Dieldrin	ND	1.5	0.182	
Heptachlor	ND	0.749	0.0749	
alpha-Chlordane	ND	0.749	0.0809	
gamma-Chlordane	ND	0.749	0.0906	
Hexachlorobenzene	ND	1.5	0.667	
Hexachlorobutadiene	ND	0.749	0.322	

STL Seattle

Client Name:	Parametrix, Inc.
Client ID:	0205-OS-VC-04
Lab ID:	126377-05
Date Received:	2/18/2005
Date Prepared:	2/24/2005
Date Analyzed:	2/28/2005
% Solids	70.25
Dilution Factor	1

Organochlorine Pesticides by EPA Method 8081A

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Tetrachloro-m-xylene	69.3		47	144
Decachlorobiphenyl	73		51	149

Sample results are on a dry weight basis.

Analyte	**Result (ug/kg)**	**RL**	**MDL**	**Flags**
Aldrin	ND	0.782	0.0806	
gamma-BHC (Lindane)	ND	0.782	0.0939	
4,4'-DDD	ND	1.56	0.16	
4,4'-DDE	0.946	1.56	0.156	J C1
4,4'-DDT	ND	1.56	0.184	
Dieldrin	ND	1.56	0.19	
Heptachlor	ND	0.782	0.0782	
alpha-Chlordane	ND	0.782	0.0845	
gamma-Chlordane	ND	0.782	0.0947	
Hexachlorobenzene	ND	1.56	0.696	
Hexachlorobutadiene	ND	0.782	0.336	

STL Seattle

Client Name:	Parametrix, Inc.
Client ID:	0205-OS-VC-05
Lab ID:	126377-06
Date Received:	2/18/2005
Date Prepared:	2/24/2005
Date Analyzed:	2/28/2005
% Solids	85.38
Dilution Factor	1

Organochlorine Pesticides by EPA Method 8081A

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Tetrachloro-m-xylene	74.9		47	144
Decachlorobiphenyl	73.4		51	149

Sample results are on a dry weight basis.

Analyte	**Result (ug/kg)**	**RL**	**MDL**	**Flags**
Aldrin	ND	0.824	0.0848	
gamma-BHC (Lindane)	ND	0.824	0.0988	
4,4'-DDD	ND	1.65	0.168	
4,4'-DDE	ND	1.65	0.165	
4,4'-DDT	ND	1.65	0.194	
Dieldrin	ND	1.65	0.2	
Heptachlor	ND	0.824	0.0824	
alpha-Chlordane	ND	0.824	0.0889	
gamma-Chlordane	ND	0.824	0.0997	
Hexachlorobenzene	ND	1.65	0.733	
Hexachlorobutadiene	ND	0.824	0.354	

STL Seattle

Client Name:	Parametrix, Inc.
Client ID:	0205-OS-VC-06
Lab ID:	126377-07
Date Received:	2/18/2005
Date Prepared:	2/24/2005
Date Analyzed:	2/28/2005
% Solids	59.88
Dilution Factor	1

Organochlorine Pesticides by EPA Method 8081A

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Tetrachloro-m-xylene	72.3		47	144
Decachlorobiphenyl	71.5		51	149

Sample results are on a dry weight basis.

Analyte	**Result (ug/kg)**	**RL**	**MDL**	**Flags**
Aldrin	ND	0.829	0.0854	
gamma-BHC (Lindane)	ND	0.829	0.0995	
4,4'-DDD	0.656	1.66	0.169	J C1
4,4'-DDE	1.51	1.66	0.166	J C1
4,4'-DDT	1.14	1.66	0.195	J C2
Dieldrin	ND	1.66	0.201	
Heptachlor	ND	0.829	0.0829	
alpha-Chlordane	ND	0.829	0.0895	
gamma-Chlordane	ND	0.829	0.1	
Hexachlorobenzene	ND	1.66	0.738	
Hexachlorobutadiene	ND	0.829	0.356	

STL Seattle

Client Name:	Parametrix, Inc.
Client ID:	0205-OS-VC-06Z
Lab ID:	126377-08
Date Received:	2/18/2005
Date Prepared:	2/24/2005
Date Analyzed:	2/28/2005
% Solids	57.85
Dilution Factor	1

Organochlorine Pesticides by EPA Method 8081A

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Tetrachloro-m-xylene	84.8		47	144
Decachlorobiphenyl	79.6		51	149

Sample results are on a dry weight basis.

Analyte	**Result (ug/kg)**	**RL**	**MDL**	**Flags**
Aldrin	ND	0.828	0.0853	
gamma-BHC (Lindane)	ND	0.828	0.0994	
4,4'-DDD	ND	1.66	0.169	
4,4'-DDE	ND	1.66	0.166	
4,4'-DDT	ND	1.66	0.195	
Dieldrin	ND	1.66	0.201	
Heptachlor	ND	0.828	0.0828	
alpha-Chlordane	ND	0.828	0.0895	
gamma-Chlordane	ND	0.828	0.1	
Hexachlorobenzene	ND	1.66	0.737	
Hexachlorobutadiene	ND	0.828	0.356	

STL Seattle

Client Name:	Parametrix, Inc.
Client ID:	0205-OS-VC-01
Lab ID:	126377-01
Date Received:	2/18/2005
Date Prepared:	3/1/2005
Date Analyzed:	3/1/2005
% Solids	55.96
Dilution Factor	1

PCBs by EPA Method 8082

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Tetrachloro-m-xylene	75		60	123
Decachlorobiphenyl	90		65	126

Sample results are on a dry weight basis.

Analyte	**Result (mg/kg)**	**RL**	**MDL**	**Flags**
Aroclor 1016	ND	0.00887	0.00262	
Aroclor 1221	ND	0.00887	0.00262	
Aroclor 1232	ND	0.00887	0.00262	
Aroclor 1242	ND	0.00887	0.00262	
Aroclor 1248	ND	0.00887	0.00262	
Aroclor 1254	ND	0.00887	0.00144	
Aroclor 1260	ND	0.00887	0.00144	

STL Seattle

Client Name:	Parametrix, Inc.
Client ID:	0205-OS-VC-02
Lab ID:	126377-02
Date Received:	2/18/2005
Date Prepared:	3/1/2005
Date Analyzed:	3/1/2005
% Solids	71.62
Dilution Factor	1

PCBs by EPA Method 8082

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Tetrachloro-m-xylene	77.3		60	123
Decachlorobiphenyl	92.3		65	126

Sample results are on a dry weight basis.

Analyte	**Result (mg/kg)**	**RL**	**MDL**	**Flags**
Aroclor 1016	ND	0.00689	0.00203	
Aroclor 1221	ND	0.00689	0.00203	
Aroclor 1232	ND	0.00689	0.00203	
Aroclor 1242	ND	0.00689	0.00203	
Aroclor 1248	ND	0.00689	0.00203	
Aroclor 1254	ND	0.00689	0.00112	
Aroclor 1260	ND	0.00689	0.00112	

STL Seattle

Client Name:	Parametrix, Inc.
Client ID:	0205-OS-VC-03
Lab ID:	126377-03
Date Received:	2/18/2005
Date Prepared:	3/1/2005
Date Analyzed:	3/1/2005
% Solids	66.38
Dilution Factor	1

PCBs by EPA Method 8082

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Tetrachloro-m-xylene	79.1		60	123
Decachlorobiphenyl	93.8		65	126

Sample results are on a dry weight basis.

Analyte	**Result (mg/kg)**	**RL**	**MDL**	**Flags**
Aroclor 1016	ND	0.00739	0.00218	
Aroclor 1221	ND	0.00739	0.00218	
Aroclor 1232	ND	0.00739	0.00218	
Aroclor 1242	ND	0.00739	0.00218	
Aroclor 1248	ND	0.00739	0.00218	
Aroclor 1254	ND	0.00739	0.0012	
Aroclor 1260	ND	0.00739	0.0012	

STL Seattle

Client Name:	Parametrix, Inc.
Client ID:	0205-OS-VC-03A
Lab ID:	126377-04
Date Received:	2/18/2005
Date Prepared:	3/1/2005
Date Analyzed:	3/1/2005
% Solids	66.44
Dilution Factor	1

PCBs by EPA Method 8082

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Tetrachloro-m-xylene	77.7		60	123
Decachlorobiphenyl	92.9		65	126

Sample results are on a dry weight basis.

Analyte	**Result (mg/kg)**	**RL**	**MDL**	**Flags**
Aroclor 1016	ND	0.00726	0.00214	
Aroclor 1221	ND	0.00726	0.00214	
Aroclor 1232	ND	0.00726	0.00214	
Aroclor 1242	ND	0.00726	0.00214	
Aroclor 1248	ND	0.00726	0.00214	
Aroclor 1254	ND	0.00726	0.00118	
Aroclor 1260	ND	0.00726	0.00118	

STL Seattle

Client Name:	Parametrix, Inc.
Client ID:	0205-OS-VC-04
Lab ID:	126377-05
Date Received:	2/18/2005
Date Prepared:	3/1/2005
Date Analyzed:	3/2/2005
% Solids	70.25
Dilution Factor	1

PCBs by EPA Method 8082

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Tetrachloro-m-xylene	78.8		60	123
Decachlorobiphenyl	94.8		65	126

Sample results are on a dry weight basis.

Analyte	**Result (mg/kg)**	**RL**	**MDL**	**Flags**
Aroclor 1016	ND	0.00693	0.00204	
Aroclor 1221	ND	0.00693	0.00204	
Aroclor 1232	ND	0.00693	0.00204	
Aroclor 1242	ND	0.00693	0.00204	
Aroclor 1248	ND	0.00693	0.00204	
Aroclor 1254	ND	0.00693	0.00112	
Aroclor 1260	ND	0.00693	0.00112	

STL Seattle

Client Name:	Parametrix, Inc.
Client ID:	0205-OS-VC-05
Lab ID:	126377-06
Date Received:	2/18/2005
Date Prepared:	3/1/2005
Date Analyzed:	3/1/2005
% Solids	85.38
Dilution Factor	1

PCBs by EPA Method 8082

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Tetrachloro-m-xylene	79.3		60	123
Decachlorobiphenyl	98.2		65	126

Sample results are on a dry weight basis.

Analyte	**Result (mg/kg)**	**RL**	**MDL**	**Flags**
Aroclor 1016	ND	0.00568	0.00168	
Aroclor 1221	ND	0.00568	0.00168	
Aroclor 1232	ND	0.00568	0.00168	
Aroclor 1242	ND	0.00568	0.00168	
Aroclor 1248	ND	0.00568	0.00168	
Aroclor 1254	ND	0.00568	0.00092	
Aroclor 1260	ND	0.00568	0.00092	

STL Seattle

Client Name:	Parametrix, Inc.
Client ID:	0205-OS-VC-06
Lab ID:	126377-07
Date Received:	2/18/2005
Date Prepared:	3/1/2005
Date Analyzed:	3/2/2005
% Solids	59.88
Dilution Factor	1

PCBs by EPA Method 8082

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Tetrachloro-m-xylene	75.2		60	123
Decachlorobiphenyl	93.7		65	126

Sample results are on a dry weight basis.

Analyte	**Result (mg/kg)**	**RL**	**MDL**	**Flags**
Aroclor 1016	ND	0.00825	0.00243	
Aroclor 1221	ND	0.00825	0.00243	
Aroclor 1232	ND	0.00825	0.00243	
Aroclor 1242	ND	0.00825	0.00243	
Aroclor 1248	ND	0.00825	0.00243	
Aroclor 1254	ND	0.00825	0.00134	
Aroclor 1260	ND	0.00825	0.00134	

STL Seattle

Client Name:	Parametrix, Inc.
Client ID:	0205-OS-VC-06Z
Lab ID:	126377-08
Date Received:	2/18/2005
Date Prepared:	3/1/2005
Date Analyzed:	3/2/2005
% Solids	57.85
Dilution Factor	1

PCBs by EPA Method 8082

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Tetrachloro-m-xylene	72.3		60	123
Decachlorobiphenyl	87.3		65	126

Sample results are on a dry weight basis.

Analyte	**Result (mg/kg)**	**RL**	**MDL**	**Flags**
Aroclor 1016	ND	0.00837	0.00247	
Aroclor 1221	ND	0.00837	0.00247	
Aroclor 1232	ND	0.00837	0.00247	
Aroclor 1242	ND	0.00837	0.00247	
Aroclor 1248	ND	0.00837	0.00247	
Aroclor 1254	ND	0.00837	0.00136	
Aroclor 1260	ND	0.00837	0.00136	

STL Seattle

Client Name	Parametrix, Inc.
Client ID:	0205-OS-VC-01
Lab ID:	126377-01
Date Received:	2/18/05
Date Prepared:	2/24/05
Date Analyzed:	2/24/05
Dilution Factor	5
% Solids	55.96

Metals by ICP-MS - USEPA Method 6020

Sample results are on a dry weight basis.

Analyte	Result (mg/kg)	RL	MDL	Flags
Arsenic	4.45	0.407	0.083	
Antimony	0.55	0.407	0.022	B2
Cadmium	0.537	0.0813	0.0201	
Chromium	19.5	0.0813	0.0484	B2
Copper	29.9	0.407	0.0508	
Lead	14.5	0.0813	0.0195	
Nickel	17.5	0.407	0.0331	
Silver	0.191	0.0813	0.0153	
Zinc	121	0.407	0.0878	

STL Seattle

Client Name	Parametrix, Inc.
Client ID:	0205-OS-VC-01
Lab ID:	126377-01
Date Received:	2/18/05
Date Prepared:	2/25/05
Date Analyzed:	2/25/05
Dilution Factor	1
% Solids	55.96

Mercury by CVAA - USEPA Method 7471

Sample results are on a dry weight basis.

Analyte	Result (mg/kg)	RL	MDL	Flags
Mercury	0.0579	0.0355	0.00781	

STL Seattle

Client Name	Parametrix, Inc.
Client ID:	0205-OS-VC-02
Lab ID:	126377-02
Date Received:	2/18/05
Date Prepared:	2/24/05
Date Analyzed:	2/24/05
Dilution Factor	5
% Solids	71.62

Metals by ICP-MS - USEPA Method 6020

Sample results are on a dry weight basis.

Analyte	Result (mg/kg)	RL	MDL	Flags
Arsenic	ND	0.324	0.066	
Antimony	0.0285	0.324	0.0175	J B1
Cadmium	ND	0.0647	0.016	
Chromium	0.171	0.0647	0.0385	B1
Copper	ND	0.324	0.0405	
Lead	ND	0.0647	0.0155	
Nickel	ND	0.324	0.0263	
Silver	ND	0.0647	0.0122	
Zinc	ND	0.324	0.0699	

STL Seattle

Client Name	Parametrix, Inc.
Client ID:	0205-OS-VC-02
Lab ID:	126377-02
Date Received:	2/18/05
Date Prepared:	2/25/05
Date Analyzed:	2/25/05
Dilution Factor	1
% Solids	71.62

Mercury by CVAA - USEPA Method 7471

Sample results are on a dry weight basis.

Analyte	Result (mg/kg)	RL	MDL	Flags
Mercury	0.0291	0.0261	0.00573	

STL Seattle

Client Name	Parametrix, Inc.
Client ID:	0205-OS-VC-03
Lab ID:	126377-03
Date Received:	2/18/05
Date Prepared:	2/24/05
Date Analyzed:	2/24/05
Dilution Factor	5
% Solids	66.38

Metals by ICP-MS - USEPA Method 6020

Sample results are on a dry weight basis.

Analyte	Result (mg/kg)	RL	MDL	Flags
Arsenic	2.76	0.352	0.0717	
Antimony	0.33	0.352	0.0191	J B2
Cadmium	0.259	0.0703	0.0174	
Chromium	14.6	0.0703	0.0418	B2
Copper	17.3	0.352	0.0439	
Lead	8.67	0.0703	0.0169	
Nickel	14.7	0.352	0.0286	
Silver	0.107	0.0703	0.0132	
Zinc	90	0.352	0.0759	

STL Seattle

Client Name	Parametrix, Inc.
Client ID:	0205-OS-VC-03
Lab ID:	126377-03
Date Received:	2/18/05
Date Prepared:	2/25/05
Date Analyzed:	2/25/05
Dilution Factor	1
% Solids	66.38

Mercury by CVAA - USEPA Method 7471

Sample results are on a dry weight basis.

Analyte	Result (mg/kg)	RL	MDL	Flags
Mercury	0.0414	0.0259	0.00571	

STL Seattle

Client Name	Parametrix, Inc.
Client ID:	0205-OS-VC-03A
Lab ID:	126377-04
Date Received:	2/18/05
Date Prepared:	2/24/05
Date Analyzed:	2/24/05
Dilution Factor	5
% Solids	66.44

Metals by ICP-MS - USEPA Method 6020

Sample results are on a dry weight basis.

Analyte	Result (mg/kg)	RL	MDL	Flags
Arsenic	3.07	0.307	0.0627	
Antimony	0.495	0.307	0.0167	B2
Cadmium	0.395	0.0615	0.0152	
Chromium	14.2	0.0615	0.0366	B2
Copper	19.3	0.307	0.0384	
Lead	10.8	0.0615	0.0147	
Nickel	12.7	0.307	0.025	
Silver	0.116	0.0615	0.0116	
Zinc	106	0.307	0.0664	

STL Seattle

Client Name	Parametrix, Inc.
Client ID:	0205-OS-VC-03A
Lab ID:	126377-04
Date Received:	2/18/05
Date Prepared:	2/25/05
Date Analyzed:	2/25/05
Dilution Factor	1
% Solids	66.44

Mercury by CVAA - USEPA Method 7471

Sample results are on a dry weight basis.

Analyte	Result (mg/kg)	RL	MDL	Flags
Mercury	0.0715	0.0297	0.00654	

STL Seattle

Client Name	Parametrix, Inc.
Client ID:	0205-OS-VC-04
Lab ID:	126377-05
Date Received:	2/18/05
Date Prepared:	2/24/05
Date Analyzed:	2/24/05
Dilution Factor	5
% Solids	70.25

Metals by ICP-MS - USEPA Method 6020

Sample results are on a dry weight basis.

Analyte	Result (mg/kg)	RL	MDL	Flags
Arsenic	3.14	0.273	0.0556	
Antimony	0.392	0.273	0.0148	B2
Cadmium	0.484	0.0545	0.0135	
Chromium	14.1	0.0545	0.0324	B2
Copper	19.7	0.273	0.0341	
Lead	11.9	0.0545	0.0131	
Nickel	12.9	0.273	0.0222	
Silver	0.127	0.0545	0.0103	
Zinc	108	0.273	0.0589	

STL Seattle

Client Name	Parametrix, Inc.
Client ID:	0205-OS-VC-04
Lab ID:	126377-05
Date Received:	2/18/05
Date Prepared:	2/25/05
Date Analyzed:	2/25/05
Dilution Factor	1
% Solids	70.25

Mercury by CVAA - USEPA Method 7471

Sample results are on a dry weight basis.

Analyte	Result (mg/kg)	RL	MDL	Flags
Mercury	0.0373	0.0246	0.00542	

STL Seattle

Client Name	Parametrix, Inc.
Client ID:	0205-OS-VC-05
Lab ID:	126377-06
Date Received:	2/18/05
Date Prepared:	2/24/05
Date Analyzed:	2/24/05
Dilution Factor	5
% Solids	85.38

Metals by ICP-MS - USEPA Method 6020

Sample results are on a dry weight basis.

Analyte	Result (mg/kg)	RL	MDL	Flags
Arsenic	2.46	0.228	0.0464	
Antimony	0.298	0.228	0.0123	B2
Cadmium	0.318	0.0455	0.0112	
Chromium	11.4	0.0455	0.0271	B2
Copper	15.6	0.228	0.0284	
Lead	9.02	0.0455	0.0109	
Nickel	11.2	0.228	0.0185	
Silver	0.0992	0.0455	0.00855	
Zinc	85.2	0.228	0.0491	

STL Seattle

Client Name	Parametrix, Inc.
Client ID:	0205-OS-VC-05
Lab ID:	126377-06
Date Received:	2/18/05
Date Prepared:	2/25/05
Date Analyzed:	2/25/05
Dilution Factor	1
% Solids	85.38

Mercury by CVAA - USEPA Method 7471

Sample results are on a dry weight basis.

Analyte	Result (mg/kg)	RL	MDL	Flags
Mercury	ND	0.0206	0.00453	

STL Seattle

Client Name	Parametrix, Inc.
Client ID:	0205-OS-VC-06
Lab ID:	126377-07
Date Received:	2/18/05
Date Prepared:	2/24/05
Date Analyzed:	2/24/05
Dilution Factor	5
% Solids	59.88

Metals by ICP-MS - USEPA Method 6020

Sample results are on a dry weight basis.

Analyte	Result (mg/kg)	RL	MDL	Flags
Arsenic	2.53	0.385	0.0786	
Antimony	0.117	0.385	0.0209	J B1
Cadmium	ND	0.077	0.019	
Chromium	11.5	0.077	0.0458	B2
Copper	10.1	0.385	0.0482	
Lead	3.69	0.077	0.0185	
Nickel	12.8	0.385	0.0314	
Silver	0.0516	0.077	0.0145	J
Zinc	38.2	0.385	0.0832	

STL Seattle

Client Name	Parametrix, Inc.
Client ID:	0205-OS-VC-06
Lab ID:	126377-07
Date Received:	2/18/05
Date Prepared:	2/25/05
Date Analyzed:	2/25/05
Dilution Factor	1
% Solids	59.88

Mercury by CVAA - USEPA Method 7471

Sample results are on a dry weight basis.

Analyte	Result (mg/kg)	RL	MDL	Flags
Mercury	0.0513	0.0277	0.00609	

STL Seattle

Client Name	Parametrix, Inc.
Client ID:	0205-OS-VC-06Z
Lab ID:	126377-08
Date Received:	2/18/05
Date Prepared:	2/24/05
Date Analyzed:	2/24/05
Dilution Factor	5
% Solids	57.85

Metals by ICP-MS - USEPA Method 6020

Sample results are on a dry weight basis.

Analyte	Result (mg/kg)	RL	MDL	Flags
Arsenic	3.85	0.358	0.073	
Antimony	0.466	0.358	0.0194	B2
Cadmium	0.387	0.0715	0.0177	
Chromium	16.2	0.0715	0.0426	B2
Copper	28.4	0.358	0.0447	
Lead	12.4	0.0715	0.0172	
Nickel	15.2	0.358	0.0291	
Silver	0.15	0.0715	0.0134	
Zinc	98.8	0.358	0.0773	

STL Seattle

Client Name	Parametrix, Inc.
Client ID:	0205-OS-VC-06Z
Lab ID:	126377-08
Date Received:	2/18/05
Date Prepared:	2/25/05
Date Analyzed:	2/25/05
Dilution Factor	1
% Solids	57.85

Mercury by CVAA - USEPA Method 7471

Sample results are on a dry weight basis.

Analyte	Result (mg/kg)	RL	MDL	Flags
Mercury	0.0551	0.0298	0.00655	

00100

STL Seattle

Client Name	Parametrix, Inc.
Project Name	Oregon Slough
Date Received	02-18-05

General Chemistry Parameters

Client Sample ID 0205-OS-VC-01
Lab ID 126377-01

Parameter	Method	Date Analyzed	Units	Result	PQL
Ammonia Nitrogen	EPA 350.2	02-23-05	mg/kg	414	41
Total Volatile Solids	EPA 160.4	02-22-05	%	5.19	0.01

Client Sample ID 0205-OS-VC-02
Lab ID 126377-02

Parameter	Method	Date Analyzed	Units	Result	PQL
Ammonia Nitrogen	EPA 350.2	02-23-05	mg/kg	283	31
Total Volatile Solids	EPA 160.4	02-22-05	%	2.46	0.01

Client Sample ID 0205-OS-VC-03
Lab ID 126377-03

Parameter	Method	Date Analyzed	Units	Result	PQL
Ammonia Nitrogen	EPA 350.2	02-23-05	mg/kg	239	34
Total Volatile Solids	EPA 160.4	02-22-05	%	3.22	0.01

Client Sample ID 0205-OS-VC-03A
Lab ID 126377-04

Parameter	Method	Date Analyzed	Units	Result	PQL
Ammonia Nitrogen	EPA 350.2	02-23-05	mg/kg	175	35
Total Volatile Solids	EPA 160.4	02-22-05	%	3.26	0.01

Client Sample ID 0205-OS-VC-04
Lab ID 126377-05

Parameter	Method	Date Analyzed	Units	Result	PQL
Ammonia Nitrogen	EPA 350.2	02-23-05	mg/kg	166	33
Total Volatile Solids	EPA 160.4	02-22-05	%	2.70	0.01

STL Seattle

Client Sample ID	0205-OS-VC-05
Lab ID	126377-06

Parameter	Method	Date Analyzed	Units	Result	PQL
Ammonia Nitrogen	EPA 350.2	02-23-05	mg/kg	54.9	27
Total Volatile Solids	EPA 160.4	02-22-05	%	0.765	0.01

Client Sample ID	0205-OS-VC-06
Lab ID	126377-07

Parameter	Method	Date Analyzed	Units	Result	PQL
Ammonia Nitrogen	EPA 350.2	02-23-05	mg/kg	232	39
Total Volatile Solids	EPA 160.4	02-22-05	%	4.56	0.01

Client Sample ID	0205-OS-VC-06Z
Lab ID	126377-08

Parameter	Method	Date Analyzed	Units	Result	PQL
Ammonia Nitrogen	EPA 350.2	02-23-05	mg/kg	402	40
Total Volatile Solids	EPA 160.4	02-22-05	%	5.53	0.01

Client Name	Parametrix, Inc.
Date Received:	2/18/2005
Date Analyzed:	2/21/2005

% Solids by EPA Method 160.3M

Duplicate Analysis	**% Solids**	**% RPD**
126377-08	58.79	1.61

Triplicate Analysis	**% Solids**	**% RSD**
126377-08	58.77	0.919

STL Sample No.	**Sample ID**	**Date Sampled**	**% Solids**
126377-01	0205-OS-VC-01	2/17/2005	55.96
126377-02	0205-OS-VC-02	2/17/2005	71.62
126377-03	0205-OS-VC-03	2/17/2005	66.38
126377-04	0205-OS-VC-03A	2/17/2005	66.44
126377-05	0205-OS-VC-04	2/17/2005	70.25
126377-06	0205-OS-VC-05	2/17/2005	85.38
126377-07	0205-OS-VC-06	2/17/2005	59.88
126377-08	0205-OS-VC-06Z	2/17/2005	57.85

STL Seattle

Lab ID:	Method Blank - SS1343
Date Received:	-
Date Prepared:	2/21/2005
Date Analyzed:	2/25/2005
% Solids	
Dilution Factor	1

Semivolatile Organics by USEPA Method 8270

Surrogate	% Recovery	Flags	Recovery Limits Low	High
2 - Fluorophenol	53.1		36	145
Phenol - d5	64.9		38	149
Nitrobenzene - d5	20.8	N	38	141
2 - Fluorobiphenyl	53.8		42	140
2,4,6 - Tribromophenol	57		28	143
p - Terphenyl - d14	85.3		42	151

Sample results are on an as received basis.

Analyte	Result (ug/kg)	RL	MDL	Flags
Phenol	0.312	2.5	0.166	J
1,3-Dichlorobenzene	ND	2.5	0.351	
1,4-Dichlorobenzene	ND	2.5	0.324	
Benzyl Alcohol	ND	2.5	0.24	
1,2-Dichlorobenzene	0.417	2.5	0.164	J
2-Methylphenol	ND	2.5	0.327	
3-&4-Methylphenol	ND	2.5	0.327	
Hexachloroethane	ND	2.5	0.365	
2,4-Dimethylphenol	ND	1	0.16	
Benzoic Acid	26	30	6.12	J
1,2,4-Trichlorobenzene	0.555	2.5	0.341	J
Naphthalene	ND	1	0.157	
Hexachlorobutadiene	ND	2.5	0.311	
2-Methylnaphthalene	ND	1	0.219	
Dimethylphthalate	ND	5	0.414	
Acenaphthylene	ND	1	0.171	
Acenaphthene	ND	1	0.179	
Dibenzofuran	ND	2.5	0.18	
Diethylphthalate	1.79	5	0.264	J
Fluorene	ND	1	0.225	
N-Nitrosodiphenylamine	ND	1	0.134	
Hexachlorobenzene	ND	1	0.235	
Pentachlorophenol	ND	5	0.868	
Phenanthrene	ND	1	0.117	
Anthracene	ND	1	0.176	
Di-n-butylphthalate	59.6	5	1.55	

STL Seattle

Semivolatile Organics by USEPA Method 8270 data for SS1343 continued...

Analyte	Result (ug/kg)	RL	MDL	Flags
Fluoranthene	ND	1	0.166	
Pyrene	ND	1	0.135	
Butylbenzylphthalate	7.35	10	0.773	J
Benzo(a)anthracene	ND	1	0.123	
Chrysene	ND	1	0.163	
bis(2-Ethylhexyl)phthalate	16.1	10	1.55	
Di-n-octylphthalate	ND	10	0.284	
Benzo(b)fluoranthene	ND	1	0.223	
Benzo(k)fluoranthene	ND	1	0.277	
Benzo(a)pyrene	ND	1	0.0617	
Indeno(1,2,3-cd)pyrene	ND	1	0.0796	
Dibenz(a,h)anthracene	ND	1	0.116	
Benzo(g,h,i)perylene	ND	1	0.119	

STL Seattle

Lab ID:	Method Blank - SS1348
Date Received:	-
Date Prepared:	2/28/2005
Date Analyzed:	3/1/2005
% Solids	
Dilution Factor	1

Semivolatile Organics by USEPA Method 8270

Surrogate	% Recovery	Flags	Recovery Limits Low	High
2 - Fluorophenol	58.1		36	145
Phenol - d5	80.5		38	149
Nitrobenzene - d5	6.45	N	38	141
2 - Fluorobiphenyl	40.7	N	42	140
2,4,6 - Tribromophenol	75.4		28	143
p - Terphenyl - d14	83.7		42	151

Sample results are on an as received basis.

Analyte	Result (ug/kg)	RL	MDL	Flags
Phenol	1.13	2.5	0.166	J
1,3-Dichlorobenzene	ND	2.5	0.351	
1,4-Dichlorobenzene	ND	2.5	0.324	
Benzyl Alcohol	2.18	2.5	0.24	J
1,2-Dichlorobenzene	ND	2.5	0.164	
2-Methylphenol	ND	2.5	0.327	
3-&4-Methylphenol	ND	2.5	0.327	
Hexachloroethane	ND	2.5	0.365	
2,4-Dimethylphenol	ND	1	0.16	
Benzoic Acid	21.4	30	6.12	J
1,2,4-Trichlorobenzene	0.519	2.5	0.341	J
Naphthalene	ND	1	0.157	
Hexachlorobutadiene	ND	2.5	0.311	
2-Methylnaphthalene	ND	1	0.219	
Dimethylphthalate	ND	5	0.414	
Acenaphthylene	ND	1	0.171	
Acenaphthene	ND	1	0.179	
Dibenzofuran	ND	2.5	0.18	
Diethylphthalate	2.21	5	0.264	J
Fluorene	ND	1	0.225	
N-Nitrosodiphenylamine	ND	1	0.134	
Hexachlorobenzene	ND	1	0.235	
Pentachlorophenol	ND	5	0.868	
Phenanthrene	ND	1	0.117	
Anthracene	ND	1	0.176	
Di-n-butylphthalate	101	5	1.55	

STL Seattle

Semivolatile Organics by USEPA Method 8270 data for SS1348 continued...

Analyte		Result (ug/kg)	RL	MDL	Flags
Fluoranthene	ND		1	0.166	
Pyrene	ND		1	0.135	
Butylbenzylphthalate		9.17	10	0.773	J
Benzo(a)anthracene	ND		1	0.123	
Chrysene	ND		1	0.163	
bis(2-Ethylhexyl)phthalate		9.01	10	1.55	J
Di-n-octylphthalate		0.415	10	0.284	J
Benzo(b)fluoranthene	ND		1	0.223	
Benzo(k)fluoranthene	ND		1	0.277	
Benzo(a)pyrene	ND		1	0.0617	
Indeno(1,2,3-cd)pyrene	ND		1	0.0796	
Dibenz(a,h)anthracene	ND		1	0.116	
Benzo(g,h,i)perylene	ND		1	0.119	

STL Seattle

Blank Spike/Blank Spike Duplicate Report

Lab ID:	SS1343
Date Prepared:	2/21/2005
Date Analyzed:	2/25/2005
QC Batch ID:	SS1343

Semivolatile Organics by USEPA Method 8270

Compound Name	Blank Result (ug/kg)	Spike Amount (ug/kg)	BS Result (ug/kg)	BS % Rec.	BSD Result (ug/kg)	BSD % Rec.	RPD	Flag
Phenol	0.31	50	46.3	92	48.5	96.4	4.7	
1,3-Dichlorobenzene	0	50	30.5	61.1	28.2	56.3	-8.2	
1,4-Dichlorobenzene	0	50	31.2	62.5	29.1	58.3	-7	
Benzyl Alcohol	0	50	42.9	85.9	44.8	89.6	4.2	
1,2-Dichlorobenzene	0.42	50	32.4	63.9	30.1	59.5	-7.1	
2-Methylphenol	0	50	45.8	91.6	48	96	4.7	
3-&4-Methylphenol	0	50	44.3	88.5	45	90.1	1.8	
Hexachloroethane	0.28	50	30.9	61.2	27.3	54	-13	
2,4-Dimethylphenol	0	50	42.4	84.9	47.1	94.3	10	
Benzoic Acid	26	200	0	0	0	0	0	
1,2,4-Trichlorobenzene	0.56	50	39.4	77.8	39	76.9	-1.2	
Naphthalene	0	50	40.4	80.8	41.1	82.2	1.7	
Hexachlorobutadiene	0	50	37.2	74.3	36.5	73	-1.8	
2-Methylnaphthalene	0	50	45.2	90.3	45.1	90.2	-0.11	
Dimethylphthalate	0	50	47.3	94.7	47.8	95.5	0.84	
Acenaphthylene	0	50	44.3	88.5	44.3	88.6	0.11	
Acenaphthene	0	50	45.7	91.3	45.2	90.3	-1.1	
Dibenzofuran	0	50	46	91.9	45.8	91.6	-0.33	
Diethylphthalate	1.8	50	46.9	90.1	46.8	90	-0.11	
Fluorene	0	50	47.4	94.7	48.2	96.4	1.8	
N-Nitrosodiphenylamine	0	50	53.5	107	52.4	105	-1.9	
Hexachlorobenzene	0	50	45.4	90.8	44.4	88.8	-2.2	
Pentachlorophenol	0	50	19.1	38.1	16	31.9	-18	
Phenanthrene	0	50	46.7	93.4	44.2	88.4	-5.5	
Anthracene	0	50	48.7	97.4	46.6	93.1	-4.5	
Di-n-butylphthalate	60	50	115	111	112	104	-6.5	
Fluoranthene	0	50	51.1	102	48.1	96.1	-6	
Pyrene	0	50	51.7	103	48.3	96.6	-6.4	
Butylbenzylphthalate	7.3	50	52.7	90.7	53.6	92.5	2	
Benzo(a)anthracene	0	50	50.8	102	48.4	96.7	-5.3	
Chrysene	0	50	46.7	93.4	44.2	88.4	-5.5	
bis(2-Ethylhexyl)phthalate	16	50	64.2	96	64.4	96.5	0.52	
Di-n-octylphthalate	0	50	57.2	114	53.3	107	-6.3	
Benzo(b)fluoranthene	0	50	46.5	93	44.6	89.2	-4.2	
Benzo(k)fluoranthene	0	50	52.8	106	50.3	101	-4.8	

STL Seattle

Compound Name	Blank Result (ug/kg)	Spike Amount (ug/kg)	BS Result (ug/kg)	BS % Rec.	BSD Result (ug/kg)	BSD % Rec.	RPD	Flag
Benzo(a)pyrene	0	50	53.5	107	51.3	103	-3.8	
Indeno(1,2,3-cd)pyrene	0	50	47.6	95.3	45.6	91.1	-4.5	
Dibenz(a,h)anthracene	0	50	47	94	44.7	89.3	-5.1	
Benzo(g,h,i)perylene	0	50	52.3	105	50.2	100	-4.9	

STL Seattle

Lab ID:	Blank Spike - SSS1343
Date Received:	-
Date Prepared:	2/21/2005
Date Analyzed:	2/25/2005
% Solids	
Dilution Factor	1

Semivolatile Organics by USEPA Method 8270

Surrogate	% Recovery	Flags	Recovery Limits Low	High
2 - Fluorophenol	57		36	145
Phenol - d5	70.9		38	149
Nitrobenzene - d5	17.8	N	38	141
2 - Fluorobiphenyl	51		42	140
2,4,6 - Tribromophenol	85.4		28	143
p - Terphenyl - d14	97.5		42	151

Sample results are on an as received basis.

Analyte	Result (ug/kg)	RL	MDL	Flags
Phenol	46.3	2.5	0.166	B2
1,3-Dichlorobenzene	30.5	2.5	0.351	
1,4-Dichlorobenzene	31.2	2.5	0.324	
Benzyl Alcohol	42.9	2.5	0.24	
1,2-Dichlorobenzene	32.4	2.5	0.164	B2
2-Methylphenol	45.8	2.5	0.327	
3-&4-Methylphenol	44.3	2.5	0.327	
Hexachloroethane	30.9	2.5	0.365	
2,4-Dimethylphenol	42.4	1	0.16	
Benzoic Acid	ND	30	6.12	
1,2,4-Trichlorobenzene	39.4	2.5	0.341	B2
Naphthalene	40.4	1	0.157	
Hexachlorobutadiene	37.2	2.5	0.311	
2-Methylnaphthalene	45.2	1	0.219	
Dimethylphthalate	47.3	5	0.414	
Acenaphthylene	44.3	1	0.171	
Acenaphthene	45.7	1	0.179	
Dibenzofuran	46	2.5	0.18	
Diethylphthalate	46.9	5	0.264	B2
Fluorene	47.4	1	0.225	
N-Nitrosodiphenylamine	53.5	1	0.134	
Hexachlorobenzene	45.4	1	0.235	
Pentachlorophenol	19.1	5	0.868	
Phenanthrene	46.7	1	0.117	
Anthracene	48.7	1	0.176	
Di-n-butylphthalate	115	5	1.55	B1

STL Seattle

Semivolatile Organics by USEPA Method 8270 data for SSS1343 continued...

Analyte	Result (ug/kg)	RL	MDL	Flags
Fluoranthene	51.1	1	0.166	
Pyrene	51.7	1	0.135	
Butylbenzylphthalate	52.7	10	0.773	B1
Benzo(a)anthracene	50.8	1	0.123	
Chrysene	46.7	1	0.163	
bis(2-Ethylhexyl)phthalate	64.2	10	1.55	B1
Di-n-octylphthalate	57.2	10	0.284	
Benzo(b)fluoranthene	46.5	1	0.223	
Benzo(k)fluoranthene	52.8	1	0.277	
Benzo(a)pyrene	53.5	1	0.0617	
Indeno(1,2,3-cd)pyrene	47.6	1	0.0796	
Dibenz(a,h)anthracene	47	1	0.116	
Benzo(g,h,i)perylene	52.3	1	0.119	

STL Seattle

Lab ID:	Blank Spike Duplicate - DSS1343
Date Received:	-
Date Prepared:	2/21/2005
Date Analyzed:	2/25/2005
% Solids	
Dilution Factor	1

Semivolatile Organics by USEPA Method 8270

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
2 - Fluorophenol	67.9		36	145
Phenol - d5	78.8		38	149
Nitrobenzene - d5	37.2	N	38	141
2 - Fluorobiphenyl	63		42	140
2,4,6 - Tribromophenol	80.5		28	143
p - Terphenyl - d14	85.9		42	151

Sample results are on an as received basis.

Analyte	**Result (ug/kg)**	**RL**	**MDL**	**Flags**
Phenol	48.5	2.5	0.166	B2
1,3-Dichlorobenzene	28.2	2.5	0.351	
1,4-Dichlorobenzene	29.1	2.5	0.324	
Benzyl Alcohol	44.8	2.5	0.24	
1,2-Dichlorobenzene	30.1	2.5	0.164	B2
2-Methylphenol	48	2.5	0.327	
3-&4-Methylphenol	45	2.5	0.327	
Hexachloroethane	27.3	2.5	0.365	
2,4-Dimethylphenol	47.1	1	0.16	
Benzoic Acid	ND	30	6.12	
1,2,4-Trichlorobenzene	39	2.5	0.341	B2
Naphthalene	41.1	1	0.157	
Hexachlorobutadiene	36.5	2.5	0.311	
2-Methylnaphthalene	45.1	1	0.219	
Dimethylphthalate	47.8	5	0.414	
Acenaphthylene	44.3	1	0.171	
Acenaphthene	45.2	1	0.179	
Dibenzofuran	45.8	2.5	0.18	
Diethylphthalate	46.8	5	0.264	B2
Fluorene	48.2	1	0.225	
N-Nitrosodiphenylamine	52.4	1	0.134	
Hexachlorobenzene	44.4	1	0.235	
Pentachlorophenol	16	5	0.868	
Phenanthrene	44.2	1	0.117	
Anthracene	46.6	1	0.176	
Di-n-butylphthalate	112	5	1.55	B1

STL Seattle

Semivolatile Organics by USEPA Method 8270 data for DSS1343 continued...

Analyte	Result (ug/kg)	RL	MDL	Flags
Fluoranthene	48.1	1	0.166	
Pyrene	48.3	1	0.135	
Butylbenzylphthalate	53.6	10	0.773	B1
Benzo(a)anthracene	48.4	1	0.123	
Chrysene	44.2	1	0.163	
bis(2-Ethylhexyl)phthalate	64.4	10	1.55	B1
Di-n-octylphthalate	53.3	10	0.284	
Benzo(b)fluoranthene	44.6	1	0.223	
Benzo(k)fluoranthene	50.3	1	0.277	
Benzo(a)pyrene	51.3	1	0.0617	
Indeno(1,2,3-cd)pyrene	45.6	1	0.0796	
Dibenz(a,h)anthracene	44.7	1	0.116	
Benzo(g,h,i)perylene	50.2	1	0.119	

STL Seattle

Blank Spike/Blank Spike Duplicate Report

Lab ID:	SS1348
Date Prepared:	2/28/2005
Date Analyzed:	3/1/2005
QC Batch ID:	SS1348

Semivolatile Organics by USEPA Method 8270

Compound Name	Blank Result (ug/kg)	Spike Amount (ug/kg)	BS Result (ug/kg)	BS % Rec.	BSD Result (ug/kg)	BSD % Rec.	RPD	Flag
Phenol	1.1	50	46.9	91.6	53.1	104	13	
1,3-Dichlorobenzene	0.33	50	13.2	25.6	17.3	33.9	28	N
1,4-Dichlorobenzene	0	50	15.5	31	19.7	39.3	24	N
Benzyl Alcohol	2.2	50	44.5	84.7	49.6	94.8	11	
1,2-Dichlorobenzene	0	50	18.3	36.6	22.8	45.6	22	N
2-Methylphenol	0	50	46.8	93.5	50.7	101	7.7	
3-&4-Methylphenol	0	100	44.8	44.8	49.2	49.2	9.4	N
Hexachloroethane	0	50	14.4	28.9	17.5	35.1	19	
2,4-Dimethylphenol	0	50	48.1	96.2	51.3	103	6.8	
Benzoic Acid	21	200	34.8	6.71	31	4.81	-33	N
1,2,4-Trichlorobenzene	0.52	50	34.1	67.2	37.8	74.5	10	
Naphthalene	0	50	36.1	72.2	40.3	80.6	11	
Hexachlorobutadiene	0	50	28.6	57.2	33	66.1	14	
2-Methylnaphthalene	0	50	40.8	81.7	44.5	89	8.6	
Dimethylphthalate	0	50	43.8	87.5	47	94.1	7.3	
Acenaphthylene	0	50	40.6	81.1	44	87.9	8	
Acenaphthene	0	50	41.8	83.6	45.1	90.3	7.7	
Dibenzofuran	0	50	43.7	87.5	47.4	94.9	8.1	
Diethylphthalate	2.2	50	42.6	80.7	45.4	86.4	6.8	
Fluorene	0	50	43.8	87.6	48.2	96.5	9.7	
N-Nitrosodiphenylamine	0	50	50.9	102	54.1	108	5.7	
Hexachlorobenzene	0	50	41.3	82.7	42.7	85.4	3.2	
Pentachlorophenol	0	50	31.8	63.6	32.1	64.3	1.1	
Phenanthrene	0	50	41.4	82.8	44.5	89.1	7.3	
Anthracene	0	50	43.9	87.8	47.4	94.9	7.8	
Di-n-butylphthalate	100	50	103	4.18	125	48.5	170	N
Fluoranthene	0	50	43.7	87.3	46.7	93.4	6.8	
Pyrene	0	50	43.4	86.7	46.2	92.4	6.4	
Butylbenzylphthalate	9.2	50	51.2	84.2	50.3	82.2	-2.4	
Benzo(a)anthracene	0	50	46.2	92.4	48.2	96.5	4.3	
Chrysene	0	50	42.4	84.8	43.4	86.8	2.3	
bis(2-Ethylhexyl)phthalate	9	50	59.2	100	57.5	97.1	-2.9	
Di-n-octylphthalate	0.41	50	1.97	3.1	1.88	2.92	-6	N
Benzo(b)fluoranthene	0	50	43.1	86.3	45.1	90.2	4.4	
Benzo(k)fluoranthene	0	50	46.3	92.6	48.1	96.2	3.8	

STL Seattle

Compound Name	Blank Result (ug/kg)	Spike Amount (ug/kg)	BS Result (ug/kg)	BS % Rec.	BSD Result (ug/kg)	BSD % Rec.	RPD	Flag
Benzo(a)pyrene	0	50	48	96.1	49.5	99	3	
Indeno(1,2,3-cd)pyrene	0	50	45.2	90.4	46.7	93.5	3.4	
Dibenz(a,h)anthracene	0	50	43.2	86.4	44.9	89.7	3.7	
Benzo(g,h,i)perylene	0	50	47.8	95.5	49.1	98.2	2.8	

STL Seattle

Lab ID:	Blank Spike - SSS1348
Date Received:	-
Date Prepared:	2/28/2005
Date Analyzed:	3/1/2005
% Solids	
Dilution Factor	1

Semivolatile Organics by USEPA Method 8270

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
2 - Fluorophenol	39.6		36	145
Phenol - d5	58		38	149
Nitrobenzene - d5	12.4	N	38	141
2 - Fluorobiphenyl	31.1	N	42	140
2,4,6 - Tribromophenol	76.4		28	143
p - Terphenyl - d14	78.3		42	151

Sample results are on an as received basis.

Analyte	**Result (ug/kg)**	**RL**	**MDL**	**Flags**
Phenol	46.9	2.5	0.166	B2
1,3-Dichlorobenzene	13.2	2.5	0.351	
1,4-Dichlorobenzene	15.5	2.5	0.324	
Benzyl Alcohol	44.5	2.5	0.24	B2
1,2-Dichlorobenzene	18.3	2.5	0.164	
2-Methylphenol	46.8	2.5	0.327	
3-&4-Methylphenol	44.8	2.5	0.327	
Hexachloroethane	14.4	2.5	0.365	
2,4-Dimethylphenol	48.1	1	0.16	
Benzoic Acid	34.8	30	6.12	B1
1,2,4-Trichlorobenzene	34.1	2.5	0.341	B2
Naphthalene	36.1	1	0.157	
Hexachlorobutadiene	28.6	2.5	0.311	
2-Methylnaphthalene	40.8	1	0.219	
Dimethylphthalate	43.8	5	0.414	
Acenaphthylene	40.6	1	0.171	
Acenaphthene	41.8	1	0.179	
Dibenzofuran	43.7	2.5	0.18	
Diethylphthalate	42.6	5	0.264	B2
Fluorene	43.8	1	0.225	
N-Nitrosodiphenylamine	50.9	1	0.134	
Hexachlorobenzene	41.3	1	0.235	
Pentachlorophenol	31.8	5	0.868	
Phenanthrene	41.4	1	0.117	
Anthracene	43.9	1	0.176	
Di-n-butylphthalate	103	5	1.55	B1

STL Seattle

Semivolatile Organics by USEPA Method 8270 data for SSS1348 continued...

Analyte	Result (ug/kg)	RL	MDL	Flags
Fluoranthene	43.7	1	0.166	
Pyrene	43.4	1	0.135	
Butylbenzylphthalate	51.2	10	0.773	B1
Benzo(a)anthracene	46.2	1	0.123	
Chrysene	42.4	1	0.163	
bis(2-Ethylhexyl)phthalate	59.2	10	1.55	B1
Di-n-octylphthalate	1.97	10	0.284	J B1
Benzo(b)fluoranthene	43.1	1	0.223	
Benzo(k)fluoranthene	46.3	1	0.277	
Benzo(a)pyrene	48	1	0.0617	
Indeno(1,2,3-cd)pyrene	45.2	1	0.0796	
Dibenz(a,h)anthracene	43.2	1	0.116	
Benzo(g,h,i)perylene	47.8	1	0.119	

STL Seattle

Lab ID:	Blank Spike Duplicate - DSS1348
Date Received:	-
Date Prepared:	2/28/2005
Date Analyzed:	3/1/2005
% Solids	
Dilution Factor	1

Semivolatile Organics by USEPA Method 8270

Surrogate	% Recovery	Flags	Recovery Limits Low	High
2 - Fluorophenol	68.7		36	145
Phenol - d5	87.5		38	149
Nitrobenzene - d5	28.1	N	38	141
2 - Fluorobiphenyl	58.4		42	140
2,4,6 - Tribromophenol	82		28	143
p - Terphenyl - d14	84.2		42	151

Sample results are on an as received basis.

Analyte	Result (ug/kg)	RL	MDL	Flags
Phenol	53.1	2.5	0.166	B2
1,3-Dichlorobenzene	17.3	2.5	0.351	
1,4-Dichlorobenzene	19.7	2.5	0.324	
Benzyl Alcohol	49.6	2.5	0.24	B2
1,2-Dichlorobenzene	22.8	2.5	0.164	
2-Methylphenol	50.7	2.5	0.327	
3-&4-Methylphenol	49.2	2.5	0.327	
Hexachloroethane	17.5	2.5	0.365	
2,4-Dimethylphenol	51.3	1	0.16	
Benzoic Acid	31	30	6.12	B1
1,2,4-Trichlorobenzene	37.8	2.5	0.341	B2
Naphthalene	40.3	1	0.157	
Hexachlorobutadiene	33	2.5	0.311	
2-Methylnaphthalene	44.5	1	0.219	
Dimethylphthalate	47	5	0.414	
Acenaphthylene	44	1	0.171	
Acenaphthene	45.1	1	0.179	
Dibenzofuran	47.4	2.5	0.18	
Diethylphthalate	45.4	5	0.264	B2
Fluorene	48.2	1	0.225	
N-Nitrosodiphenylamine	54.1	1	0.134	
Hexachlorobenzene	42.7	1	0.235	
Pentachlorophenol	32.1	5	0.868	
Phenanthrene	44.5	1	0.117	
Anthracene	47.4	1	0.176	
Di-n-butylphthalate	125	5	1.55	B1

STL Seattle

Semivolatile Organics by USEPA Method 8270 data for DSS1348 continued...

Analyte	Result (ug/kg)	RL	MDL	Flags
Fluoranthene	46.7	1	0.166	
Pyrene	46.2	1	0.135	
Butylbenzylphthalate	50.3	10	0.773	B1
Benzo(a)anthracene	48.2	1	0.123	
Chrysene	43.4	1	0.163	
bis(2-Ethylhexyl)phthalate	57.5	10	1.55	B1
Di-n-octylphthalate	1.88	10	0.284	J B1
Benzo(b)fluoranthene	45.1	1	0.223	
Benzo(k)fluoranthene	48.1	1	0.277	
Benzo(a)pyrene	49.5	1	0.0617	
Indeno(1,2,3-cd)pyrene	46.7	1	0.0796	
Dibenz(a,h)anthracene	44.9	1	0.116	
Benzo(g,h,i)perylene	49.1	1	0.119	

STL Seattle

Matrix Spike/Matrix Spike Duplicate Report

Client Sample ID:	0205-OS-VC-05
Lab ID:	126377-06
Date Prepared:	2/21/2005
Date Analyzed:	2/25/2005
QC Batch ID:	SS1343

Semivolatile Organics by USEPA Method 8270

Compound Name	Sample Result (ug/kg)	Spike Amount (ug/kg)	MS Result (ug/kg)	MS % Rec.	MSD Result (ug/kg)	MSD % Rec.	RPD	Flag
Phenol	5.3	56.9	40.5	61.8	30.4	46.9	-27	X7
1,3-Dichlorobenzene	0.48	56.9	2.2	3.01	1.43	1.77	-52	X7
1,4-Dichlorobenzene	0	56.9	2.14	3.75	1.65	3.07	-20	X7
Benzyl Alcohol	4.5	56.9	43.9	69.1	35.8	58.3	-17	
1,2-Dichlorobenzene	0	56.9	2.93	5.15	2.02	3.76	-31	X7
2-Methylphenol	0	56.9	27.6	48.4	22	40.9	-17	X7
3-&4-Methylphenol	1.9	56.9	34.3	56.9	28.5	49.5	-14	X7
Hexachloroethane	0.31	56.9	2.04	3.05	1.62	2.44	-22	X7
2,4-Dimethylphenol	0	56.9	18.6	32.6	14.4	26.9	-19	X7
Benzoic Acid	35	228	104	30.6	63.8	13.6	-77	N
1,2,4-Trichlorobenzene	0.65	56.9	6.62	10.5	4.73	7.6	-32	X7
Naphthalene	0.42	56.9	9.73	16.3	6.72	11.7	-33	X7
Hexachlorobutadiene	0	56.9	3.59	6.31	3.08	5.73	-9.6	X7
2-Methylnaphthalene	0.36	56.9	25.2	43.6	18.9	34.6	-23	X7
Dimethylphthalate	0	56.9	49.9	87.6	45.7	85.2	-2.8	
Acenaphthylene	0	56.9	41.1	72.2	34.9	64.9	-11	
Acenaphthene	0	56.9	42.7	75	35.8	66.7	-12	
Dibenzofuran	0	56.9	45.1	79.1	38.8	72.2	-9.1	
Diethylphthalate	2.3	56.9	47.6	79.5	46.7	82.5	3.7	
Fluorene	0	56.9	48.8	85.8	43.2	80.5	-6.4	
N-Nitrosodiphenylamine	0	56.9	51	89.5	46	85.7	-4.3	
Hexachlorobenzene	0	56.9	44.6	78.3	42	78.3	0	
Pentachlorophenol	0	56.9	42.3	74.2	34	63.3	-16	
Phenanthrene	0.38	56.9	45.9	79.9	43.4	80.1	0.25	
Anthracene	0	56.9	47.5	83.5	45.1	84	0.6	
Di-n-butylphthalate	150	56.9	199	91.3	271	230	86	X7
Fluoranthene	0.32	56.9	49.1	85.7	49	90.7	5.7	
Pyrene	0.36	56.9	49.3	85.9	49.3	91.2	6	
Butylbenzylphthalate	7.5	56.9	55.3	83.8	54.8	88.1	5	
Benzo(a)anthracene	0	56.9	50.3	88.4	49.6	92.3	4.3	
Chrysene	0	56.9	46.4	81.6	43.7	81.3	-0.37	
bis(2-Ethylhexyl)phthalate	13	56.9	74.2	107	72.4	111	3.7	
Di-n-octylphthalate	0.43	56.9	58.1	101	59.2	109	7.6	
Benzo(b)fluoranthene	0	56.9	44.2	77.6	43.7	81.3	4.7	
Benzo(k)fluoranthene	0	56.9	50.9	89.4	49.7	92.6	3.5	

STL Seattle

Compound Name	Sample Result (ug/kg)	Spike Amount (ug/kg)	MS Result (ug/kg)	MS % Rec.	MSD Result (ug/kg)	MSD % Rec.	RPD	Flag
Benzo(a)pyrene	0	56.9	50.3	88.3	49.4	92.1	4.2	
Indeno(1,2,3-cd)pyrene	0	56.9	48.7	85.6	45.9	85.5	-0.12	
Dibenz(a,h)anthracene	0	56.9	46.8	82.2	44.4	82.7	0.61	
Benzo(g,h,i)perylene	0	56.9	52.1	91.5	49.8	92.7	1.3	

STL Seattle

Client Name:	Parametrix, Inc.
Client ID:	0205-OS-VC-05 - ms
Lab ID:	126377S06
Date Received:	2/18/2005
Date Prepared:	2/21/2005
Date Analyzed:	2/25/2005
% Solids	85.38
Dilution Factor	1

Semivolatile Organics by USEPA Method 8270

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
2 - Fluorophenol	29.6	X9	36	145
Phenol - d5	56.1		38	149
Nitrobenzene - d5	24.8	N	38	141
2 - Fluorobiphenyl	36.2	X9	42	140
2,4,6 - Tribromophenol	74		28	143
p - Terphenyl - d14	76.9		42	151

Sample results are on a dry weight basis.

Analyte	**Result (ug/kg)**	**RL**	**MDL**	**Flags**
Phenol	40.5	2.85	0.189	B2
1,3-Dichlorobenzene	2.2	2.85	0.399	J
1,4-Dichlorobenzene	2.14	2.85	0.368	J
Benzyl Alcohol	43.9	2.85	0.273	
1,2-Dichlorobenzene	2.93	2.85	0.187	B1
2-Methylphenol	27.6	2.85	0.372	
3-&4-Methylphenol	34.3	2.85	0.372	
Hexachloroethane	2.04	2.85	0.415	J
2,4-Dimethylphenol	18.6	1.14	0.182	
Benzoic Acid	104	34.2	6.97	B1
1,2,4-Trichlorobenzene	6.62	2.85	0.389	B2
Naphthalene	9.73	1.14	0.179	
Hexachlorobutadiene	3.59	2.85	0.355	
2-Methylnaphthalene	25.2	1.14	0.249	
Dimethylphthalate	49.9	5.69	0.471	
Acenaphthylene	41.1	1.14	0.195	
Acenaphthene	42.7	1.14	0.203	
Dibenzofuran	45.1	2.85	0.206	
Diethylphthalate	47.6	5.69	0.3	B2
Fluorene	48.8	1.14	0.256	
N-Nitrosodiphenylamine	51	1.14	0.152	
Hexachlorobenzene	44.6	1.14	0.268	
Pentachlorophenol	42.3	5.69	0.989	
Phenanthrene	45.9	1.14	0.133	
Anthracene	47.5	1.14	0.201	
Di-n-butylphthalate	199	5.69	1.77	B1

STL Seattle

Semivolatile Organics by USEPA Method 8270 data for 126377S06 continued...

Analyte	Result (ug/kg)	RL	MDL	Flags
Fluoranthene	49.1	1.14	0.189	
Pyrene	49.3	1.14	0.153	
Butylbenzylphthalate	55.3	11.4	0.881	B1
Benzo(a)anthracene	50.3	1.14	0.14	
Chrysene	46.4	1.14	0.186	
bis(2-Ethylhexyl)phthalate	74.2	11.4	1.76	B1
Di-n-octylphthalate	58.1	11.4	0.323	
Benzo(b)fluoranthene	44.2	1.14	0.254	
Benzo(k)fluoranthene	50.9	1.14	0.316	
Benzo(a)pyrene	50.3	1.14	0.0702	
Indeno(1,2,3-cd)pyrene	48.7	1.14	0.0907	
Dibenz(a,h)anthracene	46.8	1.14	0.132	
Benzo(g,h,i)perylene	52.1	1.14	0.136	

STL Seattle

Client Name:	Parametrix, Inc.
Client ID:	0205-OS-VC-05 - msd
Lab ID:	126377D06
Date Received:	2/18/2005
Date Prepared:	2/21/2005
Date Analyzed:	2/25/2005
% Solids	85.38
Dilution Factor	1

Semivolatile Organics by USEPA Method 8270

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
2 - Fluorophenol	22.2	X9	36	145
Phenol - d5	46.1		38	149
Nitrobenzene - d5	16	N	38	141
2 - Fluorobiphenyl	32.6	X9	42	140
2,4,6 - Tribromophenol	73.9		28	143
p - Terphenyl - d14	81.1		42	151

Sample results are on a dry weight basis.

Analyte	**Result (ug/kg)**	**RL**	**MDL**	**Flags**
Phenol	30.4	2.68	0.179	B2
1,3-Dichlorobenzene	1.43	2.68	0.376	J
1,4-Dichlorobenzene	1.65	2.68	0.347	J
Benzyl Alcohol	35.8	2.68	0.257	
1,2-Dichlorobenzene	2.02	2.68	0.176	J B1
2-Methylphenol	22	2.68	0.351	
3-&4-Methylphenol	28.5	2.68	0.351	
Hexachloroethane	1.62	2.68	0.392	J
2,4-Dimethylphenol	14.4	1.07	0.171	
Benzoic Acid	63.8	32.2	6.57	B1
1,2,4-Trichlorobenzene	4.73	2.68	0.366	B1
Naphthalene	6.72	1.07	0.169	
Hexachlorobutadiene	3.08	2.68	0.334	
2-Methylnaphthalene	18.9	1.07	0.235	
Dimethylphthalate	45.7	5.37	0.444	
Acenaphthylene	34.9	1.07	0.184	
Acenaphthene	35.8	1.07	0.192	
Dibenzofuran	38.8	2.68	0.194	
Diethylphthalate	46.7	5.37	0.283	B2
Fluorene	43.2	1.07	0.241	
N-Nitrosodiphenylamine	46	1.07	0.144	
Hexachlorobenzene	42	1.07	0.252	
Pentachlorophenol	34	5.37	0.932	
Phenanthrene	43.4	1.07	0.126	
Anthracene	45.1	1.07	0.189	
Di-n-butylphthalate	271	5.37	1.67	B1

STL Seattle

Semivolatile Organics by USEPA Method 8270 data for 126377D06 continued...

Analyte	Result (ug/kg)	RL	MDL	Flags
Fluoranthene	49	1.07	0.178	
Pyrene	49.3	1.07	0.144	
Butylbenzylphthalate	54.8	10.7	0.831	B1
Benzo(a)anthracene	49.6	1.07	0.132	
Chrysene	43.7	1.07	0.175	
bis(2-Ethylhexyl)phthalate	72.4	10.7	1.66	B1
Di-n-octylphthalate	59.2	10.7	0.305	
Benzo(b)fluoranthene	43.7	1.07	0.239	
Benzo(k)fluoranthene	49.7	1.07	0.298	
Benzo(a)pyrene	49.4	1.07	0.0662	
Indeno(1,2,3-cd)pyrene	45.9	1.07	0.0855	
Dibenz(a,h)anthracene	44.4	1.07	0.124	
Benzo(g,h,i)perylene	49.8	1.07	0.128	

STL Seattle

Matrix Spike/Matrix Spike Duplicate Report

Client Sample ID:	0205-OS-VC-05
Lab ID:	126377X06
Date Prepared:	2/28/2005
Date Analyzed:	3/1/2005
QC Batch ID:	SS1348

Semivolatile Organics by USEPA Method 8270

Compound Name	Sample Result (ug/kg)	Spike Amount (ug/kg)	MS Result (ug/kg)	MS % Rec.	MSD Result (ug/kg)	MSD % Rec.	RPD	Flag
Phenol	5.3	55.2	52.7	86	49.8	80.1	-7.1	
1,3-Dichlorobenzene	0	55.2	2.89	5.23	2.16	3.9	-29	N
1,4-Dichlorobenzene	0	55.2	2.99	5.41	2.51	4.52	-18	N
Benzyl Alcohol	4.5	55.2	49	80.6	47.7	77.7	-3.7	
1,2-Dichlorobenzene	0.35	55.2	4.09	6.79	3.44	5.58	-20	N
2-Methylphenol	0	55.2	42.9	77.8	38.3	69	-12	
3-&4-Methylphenol	1.9	110	45.3	39.3	41.8	36	-8.8	N
Hexachloroethane	0	55.2	1.51	2.73	1.22	2.19	-22	
2,4-Dimethylphenol	0	55.2	36.5	66.2	31.3	56.3	-16	
Benzoic Acid	31	221	93.6	28.6	136	47.6	50	N
1,2,4-Trichlorobenzene	0.42	55.2	9.19	15.9	7.48	12.7	-22	X7
Naphthalene	0	55.2	12.6	22.8	10.1	18.3	-22	X7
Hexachlorobutadiene	0	55.2	3.79	6.86	3.4	6.13	-11	X7
2-Methylnaphthalene	0	55.2	22	39.8	16.1	29	-31	X7
Dimethylphthalate	0	55.2	48.5	87.9	44.8	80.7	-8.5	
Acenaphthylene	0	55.2	34.5	62.4	26.6	47.9	-26	X7
Acenaphthene	0	55.2	35.1	63.5	27.5	49.5	-25	X7
Dibenzofuran	0.32	55.2	40.5	72.8	33.2	59.2	-21	
Diethylphthalate	3	55.2	48.1	81.7	45	75.7	-7.6	
Fluorene	0	55.2	43.7	79	37.5	67.6	-16	
N-Nitrosodiphenylamine	0	55.2	51.5	93.3	44.5	80.2	-15	
Hexachlorobenzene	0	55.2	41.9	75.8	36.1	65.1	-15	
Pentachlorophenol	0	55.2	45.1	81.6	43.6	78.4	-4	
Phenanthrene	0	55.2	45	81.4	40.1	72.1	-12	
Anthracene	0	55.2	48.6	88	43.1	77.5	-13	
Di-n-butylphthalate	180	55.2	235	97.7	189	15.4	-150	N
Fluoranthene	0	55.2	49.6	89.9	45.4	81.7	-9.6	
Pyrene	0	55.2	48.8	88.3	45.2	81.3	-8.3	
Butylbenzylphthalate	11	55.2	61.4	90.4	53.4	75.5	-18	
Benzo(a)anthracene	0	55.2	53.7	97.2	47.8	86	-12	
Chrysene	0	55.2	47.9	86.8	42.6	76.8	-12	
bis(2-Ethylhexyl)phthalate	25	55.2	68.4	78.8	61.7	66.2	-17	
Di-n-octylphthalate	0	55.2	57.9	105	2.33	4.2	-180	N
Benzo(b)fluoranthene	0	55.2	47.8	86.5	43.8	78.9	-9.2	
Benzo(k)fluoranthene	0	55.2	51.3	92.9	46.8	84.3	-9.7	

STL Seattle

Compound Name	Sample Result (ug/kg)	Spike Amount (ug/kg)	MS Result (ug/kg)	MS % Rec.	MSD Result (ug/kg)	MSD % Rec.	RPD	Flag
Benzo(a)pyrene	0	55.2	52.7	95.5	49.3	88.8	-7.3	
Indeno(1,2,3-cd)pyrene	0	55.2	52.3	94.6	47.3	85.1	-11	
Dibenz(a,h)anthracene	0	55.2	49.5	89.7	45.1	81.2	-9.9	
Benzo(g,h,i)perylene	0	55.2	54.2	98.1	49.4	88.9	-9.8	

STL Seattle

Client Name:	Parametrix, Inc.
Client ID:	0205-OS-VC-05 - ms
Lab ID:	126377S06
Date Received:	2/18/2005
Date Prepared:	2/28/2005
Date Analyzed:	3/1/2005
% Solids	85.38
Dilution Factor	1

Semivolatile Organics by USEPA Method 8270

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
2 - Fluorophenol	62.9		36	145
Phenol - d5	82		38	149
Nitrobenzene - d5	44.4		38	141
2 - Fluorobiphenyl	41.8	N	42	140
2,4,6 - Tribromophenol	80		28	143
p - Terphenyl - d14	82.8		42	151

Sample results are on a dry weight basis.

Analyte	**Result (ug/kg)**	**RL**	**MDL**	**Flags**
Phenol	52.7	2.76	0.184	B2
1,3-Dichlorobenzene	2.89	2.76	0.387	
1,4-Dichlorobenzene	2.99	2.76	0.357	
Benzyl Alcohol	49	2.76	0.265	B2
1,2-Dichlorobenzene	4.09	2.76	0.181	
2-Methylphenol	42.9	2.76	0.361	
3-&4-Methylphenol	45.3	2.76	0.361	
Hexachloroethane	1.51	2.76	0.403	J
2,4-Dimethylphenol	36.5	1.1	0.176	
Benzoic Acid	93.6	33.1	6.76	B1
1,2,4-Trichlorobenzene	9.19	2.76	0.377	B2
Naphthalene	12.6	1.1	0.174	
Hexachlorobutadiene	3.79	2.76	0.344	
2-Methylnaphthalene	22	1.1	0.242	
Dimethylphthalate	48.5	5.52	0.457	
Acenaphthylene	34.5	1.1	0.189	
Acenaphthene	35.1	1.1	0.197	
Dibenzofuran	40.5	2.76	0.199	
Diethylphthalate	48.1	5.52	0.291	B2
Fluorene	43.7	1.1	0.248	
N-Nitrosodiphenylamine	51.5	1.1	0.148	
Hexachlorobenzene	41.9	1.1	0.26	
Pentachlorophenol	45.1	5.52	0.959	
Phenanthrene	45	1.1	0.129	
Anthracene	48.6	1.1	0.195	
Di-n-butylphthalate	235	5.52	1.72	B1

STL Seattle

Semivolatile Organics by USEPA Method 8270 data for 126377S06 continued...

Analyte	Result (ug/kg)	RL	MDL	Flags
Fluoranthene	49.6	1.1	0.183	
Pyrene	48.8	1.1	0.149	
Butylbenzylphthalate	61.4	11	0.854	B1
Benzo(a)anthracene	53.7	1.1	0.136	
Chrysene	47.9	1.1	0.18	
bis(2-Ethylhexyl)phthalate	68.4	11	1.71	B1
Di-n-octylphthalate	57.9	11	0.314	B2
Benzo(b)fluoranthene	47.8	1.1	0.246	
Benzo(k)fluoranthene	51.3	1.1	0.306	
Benzo(a)pyrene	52.7	1.1	0.0681	
Indeno(1,2,3-cd)pyrene	52.3	1.1	0.0879	
Dibenz(a,h)anthracene	49.5	1.1	0.128	
Benzo(g,h,i)perylene	54.2	1.1	0.132	

STL Seattle

Client Name:	Parametrix, Inc.
Client ID:	0205-OS-VC-05 - msd
Lab ID:	126377D06
Date Received:	2/18/2005
Date Prepared:	2/28/2005
Date Analyzed:	3/1/2005
% Solids	85.38
Dilution Factor	1

Semivolatile Organics by USEPA Method 8270

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
2 - Fluorophenol	57.1		36	145
Phenol - d5	78.6		38	149
Nitrobenzene - d5	33.2	N	38	141
2 - Fluorobiphenyl	29.7	N	42	140
2,4,6 - Tribromophenol	70.5		28	143
p - Terphenyl - d14	76.4		42	151

Sample results are on a dry weight basis.

Analyte	**Result (ug/kg)**	**RL**	**MDL**	**Flags**
Phenol	49.8	2.78	0.185	B2
1,3-Dichlorobenzene	2.16	2.78	0.389	J
1,4-Dichlorobenzene	2.51	2.78	0.359	J
Benzyl Alcohol	47.7	2.78	0.266	B2
1,2-Dichlorobenzene	3.44	2.78	0.182	
2-Methylphenol	38.3	2.78	0.363	
3-&4-Methylphenol	41.8	2.78	0.363	
Hexachloroethane	1.22	2.78	0.405	J
2,4-Dimethylphenol	31.3	1.11	0.177	
Benzoic Acid	136	33.3	6.8	B1
1,2,4-Trichlorobenzene	7.48	2.78	0.379	B2
Naphthalene	10.1	1.11	0.175	
Hexachlorobutadiene	3.4	2.78	0.346	
2-Methylnaphthalene	16.1	1.11	0.243	
Dimethylphthalate	44.8	5.55	0.46	
Acenaphthylene	26.6	1.11	0.19	
Acenaphthene	27.5	1.11	0.198	
Dibenzofuran	33.2	2.78	0.2	
Diethylphthalate	45	5.55	0.293	B2
Fluorene	37.5	1.11	0.25	
N-Nitrosodiphenylamine	44.5	1.11	0.149	
Hexachlorobenzene	36.1	1.11	0.261	
Pentachlorophenol	43.6	5.55	0.964	
Phenanthrene	40.1	1.11	0.13	
Anthracene	43.1	1.11	0.196	
Di-n-butylphthalate	189	5.55	1.73	B1

STL Seattle

Semivolatile Organics by USEPA Method 8270 data for 126377D06 continued...

Analyte	Result (ug/kg)	RL	MDL	Flags
Fluoranthene	45.4	1.11	0.184	
Pyrene	45.2	1.11	0.149	
Butylbenzylphthalate	53.4	11.1	0.859	B1
Benzo(a)anthracene	47.8	1.11	0.137	
Chrysene	42.6	1.11	0.181	
bis(2-Ethylhexyl)phthalate	61.7	11.1	1.72	B1
Di-n-octylphthalate	2.33	11.1	0.315	J B1
Benzo(b)fluoranthene	43.8	1.11	0.248	
Benzo(k)fluoranthene	46.8	1.11	0.308	
Benzo(a)pyrene	49.3	1.11	0.0685	
Indeno(1,2,3-cd)pyrene	47.3	1.11	0.0884	
Dibenz(a,h)anthracene	45.1	1.11	0.129	
Benzo(g,h,i)perylene	49.4	1.11	0.133	

STL Seattle

Lab ID:	Method Blank - STN0125
Date Received:	-
Date Prepared:	2/21/2005
Date Analyzed:	2/23/2005
% Solids	
Dilution Factor	20

Organotins by GC/MS Ion Trap Full Scan (PSEP) Protocol

Surrogate	% Recovery	Flags	Recovery Limits Low	High
Tripentyltin	119		42	192

Sample results are on an as received basis.

Analyte	Result (ug/kg)	PQL	MRL	Flags
Tributyltin	ND	2.67	0.923	

STL Seattle

Lab ID:	Method Blank - WTN0210
Date Received:	-
Date Prepared:	2/21/2005
Date Analyzed:	2/23/2005
% Solids	-
Dilution Factor	2

Organotins by GC/MS (PSEP) Protocol

Surrogate	% Recovery	Flags	Recovery Limits Low	Recovery Limits High
Tripentyltin	97.3		46	173

Analyte	Result (ug/L)	RL	MDL	Flags
Tributyltin	ND	0.0014	0.000447	

STL Seattle

Blank Spike/Blank Spike Duplicate Report

Lab ID:	STN0125
Date Prepared:	2/21/2005
Date Analyzed:	2/23/2005
QC Batch ID:	STN0125

Organotins by GC/MS Ion Trap Full Scan (PSEP) Protocol

Compound Name	Blank Result (ug/kg)	Spike Amount (ug/kg)	BS Result (ug/kg)	BS % Rec.	BSD Result (ug/kg)	BSD % Rec.	RPD	Flag
Tributyltin	0	119	86.4	72.7	80	67.3	-7.7	

STL Seattle

Client Name	0
Client ID:	
Lab ID:	SSTN0125
Date Received:	-
Date Prepared:	2/21/2005
Date Analyzed:	2/23/2005
% Solids	
Dilution Factor	20

Organotins by GC/MS Ion Trap Full Scan (PSEP) Protocol

Surrogate	% Recovery	Flags	Recovery Limits Low	High
Tripentyltin	128		42	192

Sample results are on an as received basis.

Analyte	Result (ug/kg)	PQL	MRL	Flags
Tributyltin	86.4	2.67	0.923	

STL Seattle

Client Name	0
Client ID:	
Lab ID:	DSTN0125
Date Received:	-
Date Prepared:	2/21/2005
Date Analyzed:	2/23/2005
% Solids	
Dilution Factor	20

Organotins by GC/MS Ion Trap Full Scan (PSEP) Protocol

Surrogate	% Recovery	Flags	Recovery Limits Low	Recovery Limits High
Tripentyltin	106		42	192

Sample results are on an as received basis.

Analyte	Result (ug/kg)	PQL	MRL	Flags
Tributyltin	80	2.67	0.923	

STL Seattle

Blank Spike/Blank Spike Duplicate Report

Lab ID:	WTN0210
Date Prepared:	2/21/2005
Date Analyzed:	2/23/2005
QC Batch ID:	WTN0210

Organotins by GC/MS (PSEP) Protocol

Compound Name	Blank Result (ug/L)	Spike Amount (ug/L)	BS Result (ug/L)	BS % Rec.	BSD Result (ug/L)	BSD % Rec.	RPD	Flag
Tributyltin	0	0.178	0.137	76.6	0.12	67.3	-13	

STL Seattle

Lab ID:	Blank Spike - SWTN0210
Date Received:	-
Date Prepared:	2/21/2005
Date Analyzed:	2/23/2005
% Solids	-
Dilution Factor	2

Organotins by GC/MS (PSEP) Protocol

Surrogate	% Recovery	Flags	Recovery Limits Low	Recovery Limits High
Tripentyltin	116		46	173

Analyte	Result (ug/L)	RL	MDL	Flags
Tributyltin	0.137	0.0014	0.000447	

STL Seattle

Lab ID:	Blank Spike Duplicate - DWTN0210
Date Received:	-
Date Prepared:	2/21/2005
Date Analyzed:	2/23/2005
% Solids	-
Dilution Factor	2

Organotins by GC/MS (PSEP) Protocol

Surrogate	% Recovery	Flags	Recovery Limits Low	Recovery Limits High
Tripentyltin	111		46	173

Analyte	Result (ug/L)	RL	MDL	Flags
Tributyltin	0.12	0.0014	0.000447	

STL Seattle

Matrix Spike/Matrix Spike Duplicate Report

Client Sample ID:	0205-OS-VC-01
Lab ID:	126377-01
Date Prepared:	2/21/2005
Date Analyzed:	2/23/2005
QC Batch ID:	STN0125

Organotins by GC/MS Ion Trap Full Scan (PSEP) Protocol

Compound Name	Sample Result (ug/kg)	Spike Amount (ug/kg)	MS Result (ug/kg)	MS % Rec.	MSD Result (ug/kg)	MSD % Rec.	RPD	Flag
Tributyltin	0	197	145	73.6	139	69.9	-5.2	

STL Seattle

Client Name	Parametrix, Inc.
Client ID:	0205-OS-VC-01 - ms
Lab ID:	126377S01
Date Received:	2/18/2005
Date Prepared:	2/21/2005
Date Analyzed:	2/23/2005
% Solids	55.96
Dilution Factor	20

Organotins by GC/MS Ion Trap Full Scan (PSEP) Protocol

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Tripentyltin	105		42	192

Sample results are on a dry weight basis.

Analyte	**Result (ug/kg)**	**PQL**	**MRL**	**Flags**
Tributyltin	145	4.42	1.53	

STL Seattle

Client Name	Parametrix, Inc.
Client ID:	0205-OS-VC-01 - msd
Lab ID:	126377D01
Date Received:	2/18/2005
Date Prepared:	2/21/2005
Date Analyzed:	2/23/2005
% Solids	55.96
Dilution Factor	20

Organotins by GC/MS Ion Trap Full Scan (PSEP) Protocol

Surrogate	% Recovery	Flags	Recovery Limits Low	Recovery Limits High
Tripentyltin	105		42	192

Sample results are on a dry weight basis.

Analyte	Result (ug/kg)	PQL	MRL	Flags
Tributyltin	139	4.47	1.55	

00142

STL Seattle

Lab ID:	Method Blank - PE1833
Date Received:	-
Date Prepared:	2/24/2005
Date Analyzed:	2/28/2005
% Solids	
Dilution Factor	1

Organochlorine Pesticides by EPA Method 8081A

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Tetrachloro-m-xylene	82.7		47	144
Decachlorobiphenyl	72.7		51	149

Sample results are on an as received basis.

Analyte	**Result (ug/kg)**	**RL**	**MDL**	**Flags**
Aldrin	ND	0.667	0.0687	
gamma-BHC (Lindane)	ND	0.667	0.08	
4,4'-DDD	ND	1.33	0.136	
4,4'-DDE	ND	1.33	0.133	
4,4'-DDT	ND	1.33	0.157	
Dieldrin	ND	1.33	0.162	
Heptachlor	ND	0.667	0.0667	
alpha-Chlordane	ND	0.667	0.072	
gamma-Chlordane	ND	0.667	0.0807	
Hexachlorobenzene	ND	1.33	0.593	
Hexachlorobutadiene	ND	0.667	0.287	

STL Seattle

Blank Spike/Blank Spike Duplicate Report

Lab ID:	PE1833
Date Prepared:	2/24/2005
Date Analyzed:	2/28/2005
QC Batch ID:	PE1833

Organochlorine Pesticides by EPA Method 8081A

Compound Name	Blank Result (ug/kg)	Spike Amount (ug/kg)	BS Result (ug/kg)	BS % Rec.	BSD Result (ug/kg)	BSD % Rec.	RPD	Flag
Aldrin	0	13.3	9.42	70.6	9.76	73.2	3.6	
gamma-BHC (Lindane)	0	13.3	10.1	75.6	11.1	83.3	9.7	
4,4'-DDD	0	13.3	9.64	72.3	9.93	74.5	3	
4,4'-DDE	0	13.3	10.3	77.2	10.9	81.6	5.5	
4,4'-DDT	0	13.3	11.6	87.2	12.1	90.4	3.6	
Dieldrin	0	13.3	9.68	72.6	10.1	75.5	3.9	
Heptachlor	0	13.3	9.72	72.9	10.1	75.5	3.5	
alpha-Chlordane	0	13.3	8.2	61.5	8.47	63.5	3.2	
gamma-Chlordane	0	13.3	9.14	68.5	9.46	71	3.6	
Hexachlorobenzene	0	13.3	8.18	61.4	9.28	69.6	13	
Hexachlorobutadiene	0	13.3	10.1	75.5	10.6	79.7	5.4	

STL Seattle

Lab ID:	Blank Spike - SPE1833
Date Received:	-
Date Prepared:	2/24/2005
Date Analyzed:	2/28/2005
% Solids	
Dilution Factor	1

Organochlorine Pesticides by EPA Method 8081A

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Tetrachloro-m-xylene	88.1		47	144
Decachlorobiphenyl	76.1		51	149

Sample results are on an as received basis.

Analyte	**Result (ug/kg)**	**RL**	**MDL**	**Flags**
Aldrin	9.42	0.667	0.0687	C1
gamma-BHC (Lindane)	10.1	0.667	0.08	C1
4,4'-DDD	9.64	1.33	0.136	C1
4,4'-DDE	10.3	1.33	0.133	C1
4,4'-DDT	11.6	1.33	0.157	C1
Dieldrin	9.68	1.33	0.162	C1
Heptachlor	9.72	0.667	0.0667	C1
alpha-Chlordane	8.2	0.667	0.072	C1
gamma-Chlordane	9.14	0.667	0.0807	C1
Hexachlorobenzene	8.18	1.33	0.593	C1
Hexachlorobutadiene	10.1	0.667	0.287	C1

STL Seattle

Lab ID:	Blank Spike Duplicate - DPE1833
Date Received:	-
Date Prepared:	2/24/2005
Date Analyzed:	2/28/2005
% Solids	
Dilution Factor	1

Organochlorine Pesticides by EPA Method 8081A

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Tetrachloro-m-xylene	94.1		47	144
Decachlorobiphenyl	78.5		51	149

Sample results are on an as received basis.

Analyte	**Result (ug/kg)**	**RL**	**MDL**	**Flags**
Aldrin	9.76	0.667	0.0687	C1
gamma-BHC (Lindane)	11.1	0.667	0.08	C1
4,4'-DDD	9.93	1.33	0.136	C1
4,4'-DDE	10.9	1.33	0.133	C1
4,4'-DDT	12.1	1.33	0.157	C1
Dieldrin	10.1	1.33	0.162	C1
Heptachlor	10.1	0.667	0.0667	C1
alpha-Chlordane	8.47	0.667	0.072	C1
gamma-Chlordane	9.46	0.667	0.0807	C1
Hexachlorobenzene	9.28	1.33	0.593	C1
Hexachlorobutadiene	10.6	0.667	0.287	C1

STL Seattle

Matrix Spike Report

Client Sample ID:	0205-OS-VC-05
Lab ID:	126377-06
Date Prepared:	2/24/2005
Date Analyzed:	2/28/2005
QC Batch ID:	PE1833

Organochlorine Pesticides by EPA Method 8081A

Compound Name	Sample Result (ug/kg)	Spike Amount (ug/kg)	MS Result (ug/kg)	MS % Rec.	Flag
Aldrin	0	14.5	8.7	60	
gamma-BHC (Lindane)	0	14.5	10	69.2	
4,4'-DDD	0	14.5	8.77	60.6	
4,4'-DDE	0	14.5	9.44	65.2	
4,4'-DDT	0	14.5	10.9	75.3	
Dieldrin	0	14.5	8.8	60.7	
Heptachlor	0	14.5	9.19	63.4	
alpha-Chlordane	0	14.5	7.42	51.2	
gamma-Chlordane	0	14.5	8.38	57.9	
Hexachlorobenzene	0	14.5	7.95	54.9	
Hexachlorobutadiene	0	14.5	8.84	61	

STL Seattle

Client Name:	Parametrix, Inc.
Client ID:	0205-OS-VC-05 - ms
Lab ID:	126377S06
Date Received:	2/18/2005
Date Prepared:	2/24/2005
Date Analyzed:	2/28/2005
% Solids	85.38
Dilution Factor	1

Organochlorine Pesticides by EPA Method 8081A

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Tetrachloro-m-xylene	66.9		47	144
Decachlorobiphenyl	60.2		51	149

Sample results are on a dry weight basis.

Analyte	**Result (ug/kg)**	**RL**	**MDL**	**Flags**
Aldrin	8.7	0.724	0.0746	C1
gamma-BHC (Lindane)	10	0.724	0.0869	C1
4,4'-DDD	8.77	1.45	0.148	C1
4,4'-DDE	9.44	1.45	0.145	C1
4,4'-DDT	10.9	1.45	0.17	C1
Dieldrin	8.8	1.45	0.176	C1
Heptachlor	9.19	0.724	0.0724	C1
alpha-Chlordane	7.42	0.724	0.0782	C1
gamma-Chlordane	8.38	0.724	0.0877	C1
Hexachlorobenzene	7.95	1.45	0.645	C1
Hexachlorobutadiene	8.84	0.724	0.311	C1

STL Seattle

Client Name:	Parametrix, Inc.
Client ID:	0205-OS-VC-05 - msd
Lab ID:	126377D06
Date Received:	2/18/2005
Date Prepared:	2/24/2005
Date Analyzed:	2/28/2005
% Solids	85.38
Dilution Factor	1

Organochlorine Pesticides by EPA Method 8081A

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Tetrachloro-m-xylene	66		47	144
Decachlorobiphenyl	59.6		51	149

Sample results are on a dry weight basis.

Analyte	**Result (ug/kg)**	**RL**	**MDL**	**Flags**
Aldrin	9.16	0.765	0.0788	C1
gamma-BHC (Lindane)	10.6	0.765	0.0918	C1
4,4'-DDD	9.12	1.53	0.156	C1
4,4'-DDE	9.88	1.53	0.153	C1
4,4'-DDT	11	1.53	0.18	C1
Dieldrin	9.26	1.53	0.186	C1
Heptachlor	9.6	0.765	0.0765	C1
alpha-Chlordane	7.79	0.765	0.0826	C1
gamma-Chlordane	8.79	0.765	0.0925	C1
Hexachlorobenzene	8.65	1.53	0.68	C1
Hexachlorobutadiene	9.28	0.765	0.329	C1

STL Seattle

Lab ID:	Method Blank - PB0911
Date Received:	-
Date Prepared:	3/1/2005
Date Analyzed:	3/1/2005
% Solids	
Dilution Factor	1

PCBs by EPA Method 8082

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Tetrachloro-m-xylene	88.1		60	123
Decachlorobiphenyl	101		65	126

Sample results are on an as received basis.

Analyte	**Result (mg/kg)**	**RL**	**MDL**	**Flags**
Aroclor 1016	ND	0.01	0.00295	
Aroclor 1221	ND	0.01	0.00295	
Aroclor 1232	ND	0.01	0.00295	
Aroclor 1242	ND	0.01	0.00295	
Aroclor 1248	ND	0.01	0.00295	
Aroclor 1254	ND	0.01	0.00162	
Aroclor 1260	ND	0.01	0.00162	

STL Seattle

Blank Spike/Blank Spike Duplicate Report

Lab ID:	PB0911
Date Prepared:	3/1/2005
Date Analyzed:	3/1/2005
QC Batch ID:	PB0911

PCBs by EPA Method 8082

Compound Name	Blank Result (mg/kg)	Spike Amount (mg/kg)	BS Result (mg/kg)	BS % Rec.	BSD Result (mg/kg)	BSD % Rec.	RPD	Flag
Aroclor 1242	0	0.1	0.0918	91.8	0.0903	90.3	-1.6	
Aroclor 1260	0	0.1	0.0992	99.2	0.0992	99.2	0	

STL Seattle

Lab ID:	Blank Spike - SPB0911
Date Received:	-
Date Prepared:	3/1/2005
Date Analyzed:	3/1/2005
% Solids	
Dilution Factor	1

PCBs by EPA Method 8082

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Tetrachloro-m-xylene	86.5		60	123
Decachlorobiphenyl	101		65	126

Sample results are on an as received basis.

Analyte	**Result (mg/kg)**	**RL**	**MDL**	**Flags**
Aroclor 1242	0.0918	0.01	0.00295	C1
Aroclor 1260	0.0992	0.01	0.00162	C1

STL Seattle

Lab ID:	Blank Spike Duplicate - DPB0911
Date Received:	-
Date Prepared:	3/1/2005
Date Analyzed:	3/1/2005
% Solids	
Dilution Factor	1

PCBs by EPA Method 8082

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Tetrachloro-m-xylene	85.9		60	123
Decachlorobiphenyl	101		65	126

Sample results are on an as received basis.

Analyte	**Result (mg/kg)**	**RL**	**MDL**	**Flags**
Aroclor 1242	0.0903	0.01	0.00295	C1
Aroclor 1260	0.0992	0.01	0.00162	C1

STL Seattle

Matrix Spike/Matrix Spike Duplicate Report

Client Sample ID:	0205-OS-VC-05
Lab ID:	126377-06
Date Prepared:	3/1/2005
Date Analyzed:	3/1/2005
QC Batch ID:	PB0911

PCBs by EPA Method 8082

Compound Name	Sample Result (mg/kg)	Spike Amount (mg/kg)	MS Result (mg/kg)	MS % Rec.	MSD Result (mg/kg)	MSD % Rec.	RPD	Flag
Aroclor 1242	0	0.0585	0.0445	76	0.0453	78.8	3.6	
Aroclor 1260	0	0.0585	0.0523	89.5	0.0523	90.8	1.4	

STL Seattle

Client Name:	Parametrix, Inc.
Client ID:	0205-OS-VC-05 - ms
Lab ID:	126377S06
Date Received:	2/18/2005
Date Prepared:	3/1/2005
Date Analyzed:	3/1/2005
% Solids	85.38
Dilution Factor	1

PCBs by EPA Method 8082

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Tetrachloro-m-xylene	85.3		60	123
Decachlorobiphenyl	95.9		65	126

Sample results are on a dry weight basis.

Analyte	**Result (mg/kg)**	**RL**	**MDL**	**Flags**
Aroclor 1242	0.0445	0.00585	0.00173	C1
Aroclor 1260	0.0523	0.00585	0.000948	C1

STL Seattle

Client Name:	Parametrix, Inc.
Client ID:	0205-OS-VC-05 - msd
Lab ID:	126377D06
Date Received:	2/18/2005
Date Prepared:	3/1/2005
Date Analyzed:	3/2/2005
% Solids	85.38
Dilution Factor	1

PCBs by EPA Method 8082

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Tetrachloro-m-xylene	81.2		60	123
Decachlorobiphenyl	97.2		65	126

Sample results are on a dry weight basis.

Analyte	**Result (mg/kg)**	**RL**	**MDL**	**Flags**
Aroclor 1242	0.0453	0.00575	0.0017	C1
Aroclor 1260	0.0523	0.00575	0.000932	C1

STL Seattle

Lab ID:	Method Blank - SP949
Date Received:	-
Date Prepared:	2/24/05
Date Analyzed:	2/24/05
Dilution Factor	1

Metals by ICP-MS - USEPA Method 6020

Sample results are on an as received basis.

Analyte	Result (mg/kg)	RL	MDL	Flags
Arsenic	ND	0.05	0.0102	
Antimony	0.0042	0.05	0.00271	J
Cadmium	ND	0.01	0.00247	
Chromium	0.009	0.01	0.00595	J
Copper	ND	0.05	0.00625	
Lead	ND	0.01	0.0024	
Nickel	ND	0.05	0.00407	
Silver	ND	0.01	0.00188	
Zinc	ND	0.05	0.0108	

STL Seattle

Lab ID:	Method Blank - ZS283
Date Received:	-
Date Prepared:	2/25/05
Date Analyzed:	2/25/05
Dilution Factor	1

Mercury by CVAA - USEPA Method 7471

Sample results are on an as received basis.

Analyte	Result (mg/kg)	RL	MDL	Flags
Mercury	ND	0.02	0.0044	

STL Seattle

Matrix Spike Report

Client Sample ID:	0205-OS-VC-01
Lab ID:	126377-01
Date Prepared:	2/24/05
Date Analyzed:	2/24/05
QC Batch ID:	SP949

Metals by ICP-MS - USEPA Method 6020

Parameter Name	Sample Result (mg/kg)	Spike Amount (mg/kg)	MS Result (mg/kg)	MS % Rec.	Flag
Arsenic	4.45	629	630	100	
Antimony	0.55	472	495	105	
Cadmium	0.537	15.7	16.7	103	
Chromium	19.5	62.9	85.4	105	
Copper	29.9	78.6	101	90	
Lead	14.5	157	181	106	
Nickel	17.5	157	181	104	
Silver	0.191	94.3	98.3	104	
Zinc	121	157	277	99	

STL Seattle

Matrix Spike Report

Client Sample ID:	0205-OS-VC-01
Lab ID:	126377-01
Date Prepared:	2/25/05
Date Analyzed:	2/25/05
QC Batch ID:	ZS283

Mercury by CVAA - USEPA Method 7471

Parameter Name	Sample Result (mg/kg)	Spike Amount (mg/kg)	MS Result (mg/kg)	MS % Rec.	Flag
Mercury	0.0579	0.344	0.406	101	

STL Seattle

Blank Spike/Blank Spike Duplicate Report

Lab ID:	SP949
Date Prepared:	2/24/05
Date Analyzed:	2/24/05
QC Batch ID:	SP949

Metals by ICP-MS - USEPA Method 6020

Compound Name	Blank Result (mg/kg)	Spike Amount (mg/kg)	BS Result (mg/kg)	BS % Rec.	BSD Result (mg/kg)	BSD % Rec.	RPD	Flag
Arsenic	0	400	387	96.8	402	100	3.3	
Antimony	0.0042	300	308	103	325	108	4.7	
Cadmium	0	10	10	100	10.4	104	3.9	
Chromium	0.009	40	42.5	106	45.5	114	7.3	
Copper	0	50	51.4	103	52.9	106	2.9	
Lead	0	100	105	105	110	110	4.7	
Nickel	0	100	105	105	108	108	2.8	
Silver	0	60	60.8	101	64.7	108	6.7	
Zinc	0	100	98.9	98.9	101	101	2.1	

STL Seattle

Duplicate Report

Client Sample ID:	0205-OS-VC-01
Lab ID:	126377-01
Date Prepared:	2/24/05
Date Analyzed:	2/24/05
QC Batch ID:	SP949

Metals by ICP-MS - USEPA Method 6020

Parameter Name	Sample Result (mg/kg)	Duplicate Result (mg/kg)	RPD %	Flag
Arsenic	4.5	4.4	2.2	
Antimony	0.55	0.53	3.7	
Cadmium	0.54	0.5	7.7	
Chromium	20	19	5.1	
Copper	30	29	3.4	
Lead	15	14	6.9	
Nickel	18	17	5.7	
Silver	0.19	0.19	0.0	
Zinc	120	120	0.0	

STL Seattle

Duplicate Report

Client Sample ID:	0205-OS-VC-01
Lab ID:	126377-01
Date Prepared:	2/25/05
Date Analyzed:	2/25/05
QC Batch ID:	ZS283

Mercury by CVAA - USEPA Method 7471

Parameter Name	Sample Result (mg/kg)	Duplicate Result (mg/kg)	RPD %	Flag
Mercury	0.058	0.062	-6.7	

STL Seattle

Laboratory Control Sample

Lab ID:	RSP949
Date Prepared:	2/24/05
Date Analyzed:	2/24/05
QC Batch ID:	SP949

Metals by ICP-MS - USEPA Method 6020

Parameter Name	Sample Result (mg/kg)	True Value (mg/kg)	Lower Limit (mg/kg)	Upper Limit (mg/kg)	Flag
Arsenic	170	166	127	205	Pass
Antimony	170	117	57.8	176	Pass
Cadmium	150	130	103	157	Pass
Chromium	76	69.7	54.6	85	Pass
Copper	160	148	119	177	Pass
Lead	170	149	117	181	Pass
Nickel	170	149	121	177	Pass
Silver	92	105	0	217	Pass
Zinc	180	170	134	205	Pass

STL Seattle

Laboratory Control Sample

Lab ID:	RZS283
Date Prepared:	2/25/05
Date Analyzed:	2/25/05
QC Batch ID:	ZS283

Mercury by CVAA - USEPA Method 7471

Parameter Name	Sample Result (mg/kg)	True Value (mg/kg)	Lower Limit (mg/kg)	Upper Limit (mg/kg)	Flag
Mercury	16	16.9	11	23	Pass

STL Seattle

QUALITY CONTROL REPORT

Client Sample ID: 0205-OS-VC-06Z
Lab ID: 126377-08
QC Batch Number: 1161-126

Method Blank

Parameter	Result (mg/kg)	PQL
Ammonia Nitrogen	ND	720

Duplicate

Parameter	Sample Result (mg/kg)	Duplicate Result (mg/kg)	RPD (%)	Flag
Ammonia Nitrogen	402	401	0.2	

Matrix Spike

Parameter	Sample Result (mg/kg)	Matrix Spike Result (mg/kg)	Spike Amount (mg/kg)	Recovery (%)	Flag
Ammonia Nitrogen	402	1,440	1,115	93	

STL Seattle

QUALITY CONTROL REPORT

Client Sample ID: 0205-OS-VC-06Z
Lab ID: 126377-08
QC Batch Number: 602-86-9

Method Blank

Parameter	Result (%)	PQL
Total Volatile Solids	ND	0.01

Duplicate

Parameter	Sample Result (%)	Duplicate Result (%)	RPD (%)	Flag
Total Volatile Solids	5.53	5.55	0.35	

DATA QUALIFIER DEFINITIONS

SEVERN TRENT STL

STL Seattle
5755 8th Street East
Tacoma, WA 98424

Tel: 253 922 2310
Fax: 253 922 5047
www.stl-inc.com

DATA QUALIFIERS AND ABBREVIATIONS

B1: This analyte was detected in the associated method blank. The analyte concentration was determined not to be significantly higher than the associated method blank (less than ten times the concentration reported in the blank).

B2: This analyte was detected in the associated method blank. The analyte concentration in the sample was determined to be significantly higher than the method blank (greater than ten times the concentration reported in the blank).

C1: Second column confirmation was performed. The relative percent difference value (RPD) between the results on the two columns was evaluated and determined to be < 40%.

C2: Second column confirmation was performed. The RPD between the results on the two columns was evaluated and determined to be > 40%. The higher result was reported unless anomalies were noted.

C3: Second analysis confirmation was performed. The relative percent difference value (RPD) between the results on the two columns was evaluated and determined to be ≤ 30%.

C4: Second analysis confirmation was performed. The RPD between the results on the two columns was evaluated and determined to be > 30%. The original analysis was reported unless anomalies were noted.

M: GC/MS confirmation was performed. The result derived from the original analysis was reported.

D: The reported result for this analyte was calculated based on a secondary dilution factor.

E: The concentration of this analyte exceeded the instrument calibration range and should be considered an estimated quantity.

J: The analyte was analyzed for and positively identified, but the associated numerical value is an estimated quantity.

MCL: Maximum Contaminant Level

MDL: Method Detection Limit

RL: Reporting Limit

N: See analytical narrative

ND: Not Detected

X1: Contaminant does not appear to be "typical" product. Elution pattern suggests it may be _____.

X2: Contaminant does not appear to be "typical" product.

X3: Identification and quantitation of the analyte or surrogate was complicated by matrix interference.

X4: RPD for duplicates was outside advisory QC limits. The sample was re-analyzed with similar results. The sample matrix may be nonhomogeneous.

X4a: RPD for duplicates outside advisory QC limits due to analyte concentration near the method practical quantitation limit/detection limit.

X5: Matrix spike recovery was not determined due to the required dilution.

X6: Recovery and/or RPD values for matrix spike(/matrix spike duplicate) outside advisory QC limits. Sample was re-analyzed with similar results.

X7: Recovery and/or RPD values for matrix spike(/matrix spike duplicate) outside advisory QC limits. Matrix interference may be indicated based on acceptable blank spike recovery and/or RPD.

X7a: Recovery and/or RPD values for this spiked analyte outside advisory QC limits due to high concentration of the analyte in the original sample.

X8: Surrogate recovery was not determined due to the required dilution.

X9: Surrogate recovery outside advisory QC limits due to matrix interference.

CHAIN OF CUSTODY

Chain of Custody Record

STL Seattle
5755 8th Street E.
Tacoma, WA 98424
Tel. 253-922-2310
Fax 253-922-5047
www.stl-inc.com

SEVERN TRENT STL

Client: Parametrix	Project Manager: David Gillingham	Date: 2/17/05	Chain of Custody Number: 13565
Address	Telephone Number (Area Code)/Fax Number: 425-458-6243	Lab Number: 126377	Page 1 of 1
City / State / Zip Code	Site Contact / Lab Contact		
Project Name and Location (State): Oregon Slough	Carrier/Waybill Number		
Contract/Purchase Order/Quote No.			

Sample I.D. and Location/Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis (Attach list if more space is needed): Dioxin/Furan 1613B	Special Instructions/ Conditions of Receipt
0205-05-VC-01	2/17/05	1345			X		X						X	Final Data by 3/4/05
0205-05-VC-02		0830												
0205-05-VC-03		0945												
0205-05-VC-03A		0945												
0205-05-VC-04		1250												
0205-05-VC-05		1050												
0205-05-VC-06		1125												
0205-05-VC-06Z		1120												

Cooler: [X] Yes [ ] No Cooler Temp:_____

Possible Hazard Identification: [X] Non-Hazard [ ] Flammable [ ] Skin Irritant [ ] Poison B [ ] Unknown

Sample Disposal: [ ] Return To Client [ ] Disposal By Lab [ ] Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required (business days): [ ] 24 Hours [ ] 48 Hours [ ] 5 Days [X] 10 Days [ ] 15 Days [ ] Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: David Gillingham	2/18/05	1025	1. Received By: [signature]	2-18-05	10:25
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE – Stays with the Samples; CANARY – Returned to Client with Report; PINK – Field Copy

STL8274-580 (12/02)

Chain of Custody Record

STL Seattle
5755 8th Street E.
Tacoma, WA 98424
Tel. 253-922-2310
Fax 253-922-5047
www.stl-inc.com

SEVERN TRENT STL

Client: Parametrix	Project Manager: David Gillingham	Date: 2/17/05	Chain of Custody Number: 13568
Address	Telephone Number (Area Code)/Fax Number: 425-458-6243	Lab Number: D6377	Page 1 of 1
City / State / Zip Code	Site Contact	Lab Contact	
Project Name and Location (State): Oregon Slough	Carrier/Waybill Number		
Contract/Purchase Order/Quote No.			

Analysis (Attach list if more space is needed)

	Sample I.D. and Location/Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Metals	SVOA 8270	Pest	PCB	TBT (Porewater)	Ammonia	Total Volatile Solids	Total Solids			Special Instructions/ Conditions of Receipt
1	0205-OS-VC-01	2/17/05	1345			X		X						X	X	X	X	X	X	X	X			Final Data by 3/4/05
2	0205-OS-VC-02		0830			↓		↓						↓	↓	↓	↓	↓	↓	↓	↓			
3	0205-OS-VC-03		0945			↓		↓						↓	↓	↓	↓	↓	↓	↓	↓			
4	0205-OS-VC-03A		0945			↓		↓						↓	↓	↓	↓	↓	↓	↓	↓			
5	0205-OS-VC-04		1250			↓		↓						↓	↓	↓	↓	↓	↓	↓	↓			
6	0205-OS-VC-05		1050			↓		↓						↓	↓	↓	↓	↓	↓	↓	↓			
7	0205-OS-VC-06		1125			↓		↓						↓	↓	↓	↓	↓	↓	↓	↓			
8	0205-OS-VC-06Z		1120			↓		↓						↓	↓	↓	↓	↓	↓	↓	↓			

Author [illegible] 2/18 Rec'd Dev. 3

Cooler: ☒ Yes ☐ No Cooler Temp:_____

Possible Hazard Identification: ☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required (business days): ☐ 24 Hours ☐ 48 Hours ☐ 5 Days ☒ 10 Days ☐ 15 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: [signature]	2/18/05	1025	1. Received By: [signature]	2-18-05	10:25
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE – Stays with the Samples; CANARY – Returned to Client with Report; PINK – Field Copy

STL8274-580 (12/02)

Chain of Custody Record

STL Seattle
5755 8th Street E.
Tacoma, WA 98424
Tel. 253-922-2310
Fax 253-922-5047
www.stl-inc.com

SEVERN TRENT STL

Client: Parametrix	Project Manager: David Gillingham	Date: 2/17/05	Chain of Custody Number: 13564
Address:	Telephone Number (Area Code)/Fax Number: 425-458-6243	Lab Number: 26377	Page 1 of 1
City / State / Zip Code:	Site Contact:	Lab Contact:	
Project Name and Location (State): Oregon Slough	Carrier/Waybill Number:		
Contract/Purchase Order/Quote No.:			

Sample I.D. and Location/Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis (Attach list if more space is needed): TCC	Sulfides	Special Instructions/ Conditions of Receipt
0205-05-VC-01	2/17/05	1345			X		X						X	X	Final Data by 3/4/05
0205-05-VC-02	↓	0830			↓		↓						↓	↓	
0205-05-VC-03		0945													
0205-05-VC-03A		0945													
0205-05-VC-04		1250													
0205-05-VC-05		1050													
0205-05-VC-06		1125													
0205-05-VC-06Z	↓	1120			↓		↓						↓	↓	

Cooler: ☒ Yes ☐ No Cooler Temp:_____

Possible Hazard Identification: ☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required (business days): ☐ 24 Hours ☐ 48 Hours ☐ 5 Days ☒ 10 Days ☐ 15 Days ☐ Other _____

QC Requirements (Specify):

	Date	Time		Date	Time
1. Relinquished By: David Gillingham	2/18/05	1025	1. Received By: [signature]	2-18-05	10:25
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE – Stays with the Samples; CANARY – Returned to Client with Report; PINK – Field Copy

STL8274-580 (12/02)

Chain of Custody Record

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5755 8th Street E.
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SEVERN TRENT STL

Client: Parametrix	Project Manager: David Gillingham	Date: 2/17/05	Chain of Custody Number: 13566
Address	Telephone Number (Area Code)/Fax Number: 425-458-6243	Lab Number: 126377	Page 1 of 1
City / State / Zip Code	Site Contact	Lab Contact	
Project Name and Location (State): Oregon Slough	Carrier/Waybill Number		
Contract/Purchase Order/Quote No.			

Analysis (Attach list if more space is needed): Grain Size

Special Instructions/ Conditions of Receipt

Sample I.D. and Location/Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Grain Size
0205-05-VC-01	2/17/05	1345			X		X						↓
0205-05-VC-02	↓	0830			↓		↓						↓
0205-05-VC-03		0945											
0205-05-VC-03A		0945											
0205-05-VC-04		1250											
0205-05-VC-05		1050											
0205-05-VC-06		1125											
0205-05-VC-06Z	↓	1120			↓		↓						↓

Cooler: ☒ Yes ☐ No Cooler Temp:_____

Possible Hazard Identification: ☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required (business days): ☐ 24 Hours ☐ 48 Hours ☐ 5 Days ☒ 10 Days ☐ 15 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: David Gillingham	2/18/05	1025	1. Received By: [signature]	2-18-05	10:25
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE – Stays with the Samples; CANARY – Returned to Client with Report; PINK – Field Copy

STL8274-580 (12/02)

Cooler ID No. _____ STL WORK ORDER NO. 26377

COOLER RECEIPT FORM

PROJECT Oregon Slough

COOLER RECEIVED ON 2/8 AND OPENED ON 2/8 BY KP

(SIGNATURE)

TEMPERATURE UPON RECEIPT: COOLER 5.6 oC
TEMP. BLANK ____oC

1. Were custody seals on outside of cooler and intact? YES NO
   a. If YES, how many and where: _____
   b. Were signature and date correct? YES NO
2. Were custody papers taped to lid inside cooler? YES NO
3. Were custody papers properly filled out (ink, signed, etc)? YES NO
4. Did you sign custody papers in the appropriate place? YES NO
5. Did you attach shipper's packing slip to this form? YES NO
6. What kind of packing material was used? Ice
7. Was sufficient ice used (if appropriate)? YES NO
8. Were all bottles sealed in separate plastic bags? YES NO
9. Did all bottles arrive in good condition (unbroken)? YES NO
10. Were all bottle labels complete (no., date, signed, pres, etc)? YES NO
11. Did all bottle labels and tags agree with custody papers? YES NO
12. Were correct bottles used for the test indicated? YES NO
13. If present, were VOA vials checked for absence of air bubbles and noted if found? YES NO
14. Adequate volume of VOA vials received per sample? YES NO
15. Was sufficient amount of sample sent in each bottle? YES NO
16. Were correct preservatives used? YES NO
17. Were extra labels added to pre-tared containers? YES NO
18. Corrective action taken, if necessary:
    a. Name of person contacted: _____
    b. Date: _____

00175

Cooler ID No. _____ STL WORK ORDER NO. 126377

COOLER RECEIPT FORM

PROJECT Oregon Slough

COOLER RECEIVED ON 2/18 AND OPENED ON 2/18 BY KP

K Hesley
(SIGNATURE)

TEMPERATURE UPON RECEIPT: COOLER 6.7 oC
TEMP. BLANK ___ oC

1. Were custody seals on outside of cooler and intact? YES NO
   a. If YES, how many and where: _____
   b. Were signature and date correct? YES NO
2. Were custody papers taped to lid inside cooler? YES NO
3. Were custody papers properly filled out (ink, signed, etc)? YES NO
4. Did you sign custody papers in the appropriate place? YES NO
5. Did you attach shipper's packing slip to this form? YES NO
6. What kind of packing material was used? Ice
7. Was sufficient ice used (if appropriate)? YES NO
8. Were all bottles sealed in separate plastic bags? YES NO
9. Did all bottles arrive in good condition (unbroken)? YES NO
10. Were all bottle labels complete (no., date, signed, pres, etc)? YES NO
11. Did all bottle labels and tags agree with custody papers? YES NO
12. Were correct bottles used for the test indicated? YES NO
13. If present, were VOA vials checked for absence of air bubbles and noted if found? YES NO
14. Adequate volume of VOA vials received per sample? YES NO
15. Was sufficient amount of sample sent in each bottle? YES NO
16. Were correct preservatives used? YES NO
17. Were extra labels added to pre-tared containers? YES NO
18. Corrective action taken, if necessary:
    a. Name of person contacted: _____
    b. Date: _____

00176

Work Order 126377

Date 2/22/2005 9:51:08 AM

Contact, Company, and Address

David Gillingham
Parametrix, Inc.
411 108th Avenue NE Suite 1800
Bellevue, WA 98004

SAS Contact

Terri Torres

Work Phone (425) 458-6200 x

Fax Number (425) 458-6262

Items Discussed

Table from SAP shows the extraction method for 8081 and 8082 to be soxhlet extraction. Called David to see if this was required, explained that this would have to be subcontracted out if required.

Resolution

David decided that as long as the detection levels were met that we should go ahead and extract by 3550. David requested that we note the change in extracton methods in the narrative.

Work Order 126377

Date 2/22/2005 10:17:47 AM

Contact, Company, and Address

David Gillingham
Parametrix, Inc.
411 108th Avenue NE Suite 1800
Bellevue, WA 98004

SAS Contact

Terri Torres

Work Phone (425) 458-6200 x

Fax Number (425) 458-6262

Items Discussed

Spoke with David regarding the "In-Place Density" method being run by Burlington which is according to Lori Arnold at Burlington "note D2937 will be performed as a "bulk" density since we are unable to do in-place density without the sample in a Shelby tube.".

Resolution

This satisfied David with regards to the re-suspended / dry bulk density.

DATA DELIVERABLES PACKAGE

SEMIVOLATILE DATA PACKAGE

SAMPLE DATA

Quantitation Report (QT Reviewed)

Data File : H:\DATA\022505_A\AT03683.D
Acq On : 25 Feb 2005 6:43 pm
Sample : 126377-1 &1
Misc :
MS Integration Params: Rteint.p
Quant Time: Feb 28 10:27:06 2005

Vial: 24
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: 8270_022505.RES

Quant Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Fri Feb 25 12:17:02 2005
Response via : Initial Calibration
DataAcq Meth : 8270EXT

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4 (I)	5.56	152	242561	1000.000 ug/L	0.00
23) Naphthalene - d8 (I)	6.67	136	946287	1000.000 ug/L	0.00
39) Acenaphthene - d10 (I)	8.13	162	512146	1000.000 ug/L	0.00
63) Phenanthrene - d10 (I)	9.46	188	798491	1000.000 ug/L	0.01
80) Chrysene - d12 (I)	12.35	240	1019565	1000.000 ul/l	0.02
86) Perylene - d12 (I)	14.03	264	914110	1000.000 ug/L	0.03
System Monitoring Compounds					
4) 2 - Fluorophenol (S)	4.30	112	95740	471.41 ug/L	-0.02
8) Phenol - d5 (S)	5.26	99	152982	669.24 ug/L	0.00
24) Nitrobenzene - d5 (S)	6.05	82	77512	399.50 ug/L	-0.01
44) 2 - Fluorobiphenyl (S)	7.58	172	266800	482.81 ug/L	0.00
66) 2,4,6 - Tribromophenol (S)	8.82	330	78150	995.01 ug/L	0.00
79) p - Terphenyl - d14 (S)	11.16	244	462451	956.57 ug/L	0.01
Target Compounds					Qvalue
5) Cyclohexanone	4.56	55	3108	19.532 ul/L	90
6) Benzaldehyde	5.17	105	163547	890.527 ul/L	89
9) Phenol	5.27	94	22881	93.878 ug/L	78
12) Decane	5.43	57	12189	49.397 ul/L	95
15) Benzyl alcohol	5.71	79	24382	182.511 ug/L	94
19) 3-&4-Methylphenol	5.95	108	38994	216.436 ug/L	87
26) Isophorone	6.29	82	3254	8.338 ug/L	79
27) 2-Nitrophenol	6.30	139	1760	16.290 ug/L	65
29) bis(2-Chloroethoxy)methane	6.48	93	3220	13.276 ug/L	90
32) 1,2,4-Trichlorobenzene	6.62	180	2801	11.572 ug/L	81
33) Naphthalene	6.68	128	365685	500.705 ug/L	99
37) 2-Methylnaphthalene	7.27	141	2765223	7146.078 ug/L E	97
38) 1-Methylnaphthalene	7.35	141	1751138	4343.413 ul/l E	91
41) 2,3-Dichloroaniline	7.53	161	20004	~~90.457 ul/L~~	68
46) Biphenyl	7.66	154	842943	1468.233 ul/L	100
48) Dimethylphthalate	7.90	163	5337	11.097 ug/L	74
51) 3-Nitroaniline	8.06	138	1467	Below Cal #	26
52) Acenaphthene	8.16	153	210656	453.248 ug/L	96
56) 2,4-Dinitrotoluene	8.31	165	105995	~~708.192 ug/L~~	63
59) Diethylphthalate	8.51	149	41134	80.868 ug/L	89
60) Fluorene	8.60	166	438324	914.746 ug/L	98
71) Phenanthrene	9.48	178	2643659	4060.908 ug/L E	98
72) Anthracene	9.53	178	153095	259.290 ug/L	50
73) Octadecane	9.38	57	434611	2300.484 ul/L	96
74) Carbazole	9.70	167	89596	224.153 ug/L	88
75) Di-n-butylphthalate	10.08	149	3936776	5625.733 ug/L E	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Qt Reviewed)

Data File : H:\DATA\022505_A\AT03683.D
Acq On : 25 Feb 2005 6:43 pm
Sample : 126377-1 &1
Misc :
MS Integration Params: Rteint.p
Quant Time: Feb 28 10:27:06 2005

Vial: 24
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: 8270_022505.RES

Quant Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Fri Feb 25 12:17:02 2005
Response via : Initial Calibration
DataAcq Meth : 8270EXT

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
76)	Fluoranthene	10.72	202	527184	793.435	ug/L	100
77)	Pyrene	10.96	202	567202	823.030	ug/L	98
78)	Benzidine	10.67	184	6842	72.408	ul/l	41
81)	Butylbenzylphthalate	11.75	149	101610	342.769	ug/L	97
82)	Benzo(a)anthracene	12.34	228	226880	306.324	ug/L	84
83)	3,3'-Dichlorobenzidine	12.53	252	2782	40.443	ug/L	88
84)	Chrysene	12.37	228	350528	454.054	ug/L	97
85)	bis(2-Ethylhexyl)phthalate	12.45	149	492820	1030.231	ug/L	99
87)	Di-n-octylphthalate	13.20	149	46081	65.054	ug/L	91
88)	Benzo(b)fluoranthene	13.55	252	480022	611.171	ul/l	95
89)	benzo(k)fluoranthene	13.58	252	129704m	184.867	ul/l	
90)	Benzofluoranthenes	13.57	252	648845	912.971	ug/L	96
91)	Benzo(a)pyrene	13.95	252	254025	416.887	ug/L	96
92)	Indeno(1,2,3-cd)pyrene	15.62	276	184225	291.167	ug/L	90
93)	Dibenz(a,h)anthracene	15.71	278	47857	~~79.250~~	~~ug/L~~	67
94)	Benzo(g,h,i)perylene	15.97	276	192642	283.066	ug/L	78

3/1/05

(#) = qualifier out of range (m) = manual integration

00183

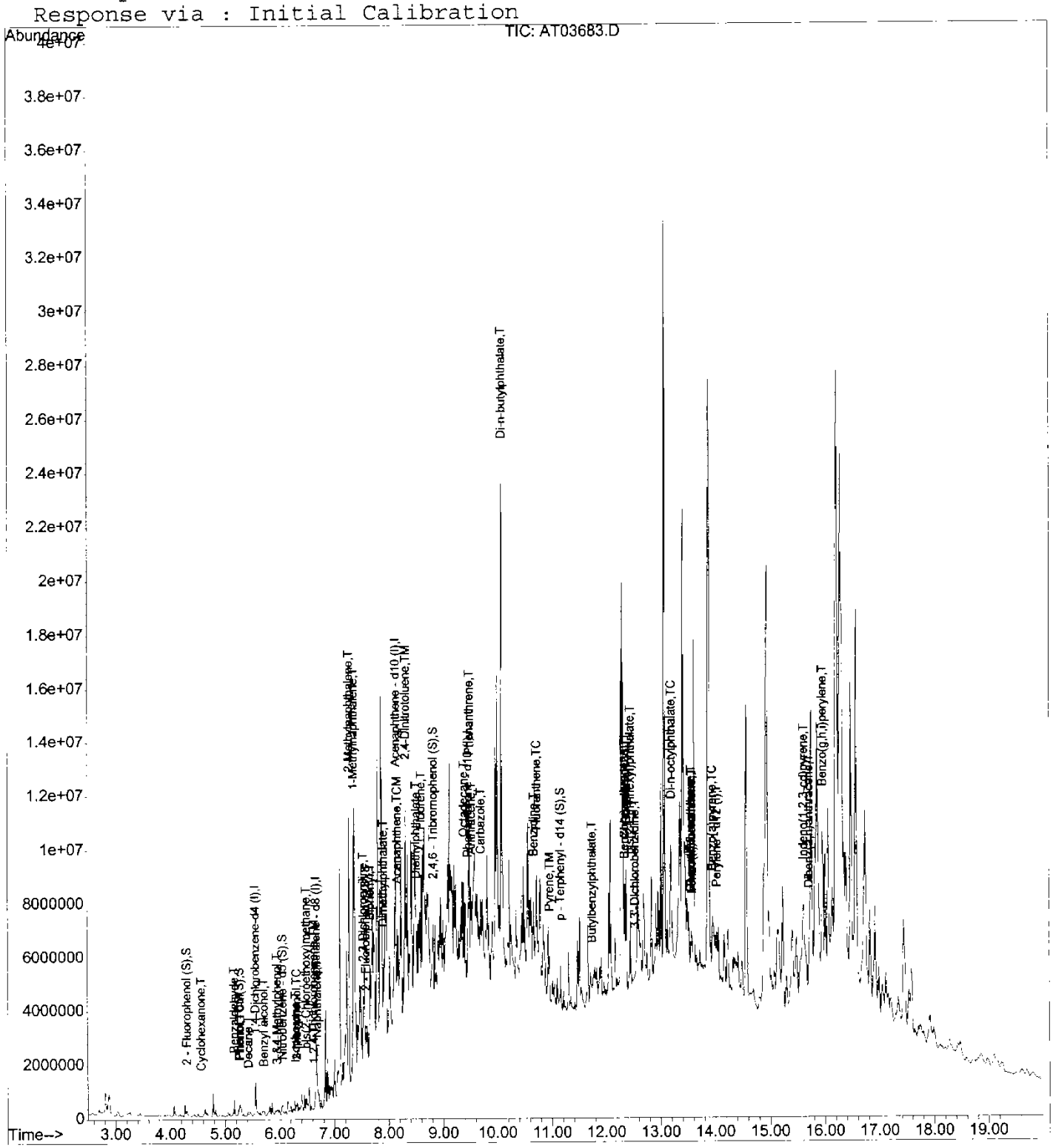
Quantitation Report (QT Reviewed)

Data File : H:\DATA\022505_A\AT03683.D
Acq On : 25 Feb 2005 6:43 pm
Sample : 126377-1 &1
Misc :
MS Integration Params: Rteint.p
Quant Time: Feb 28 10:47 2005

Vial: 24
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00

Quant Results File: 8270_022505.

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Fri Feb 25 12:17:02 2005
Response via : Initial Calibration



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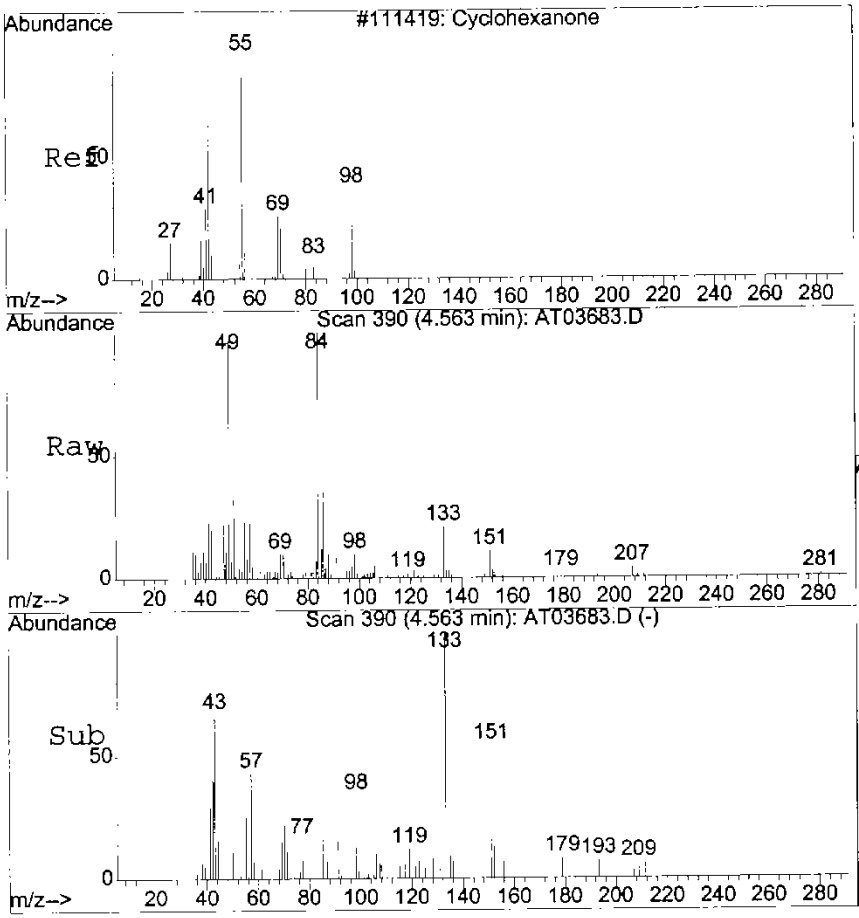
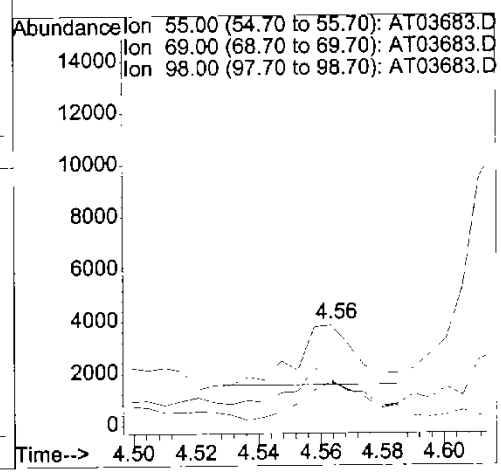
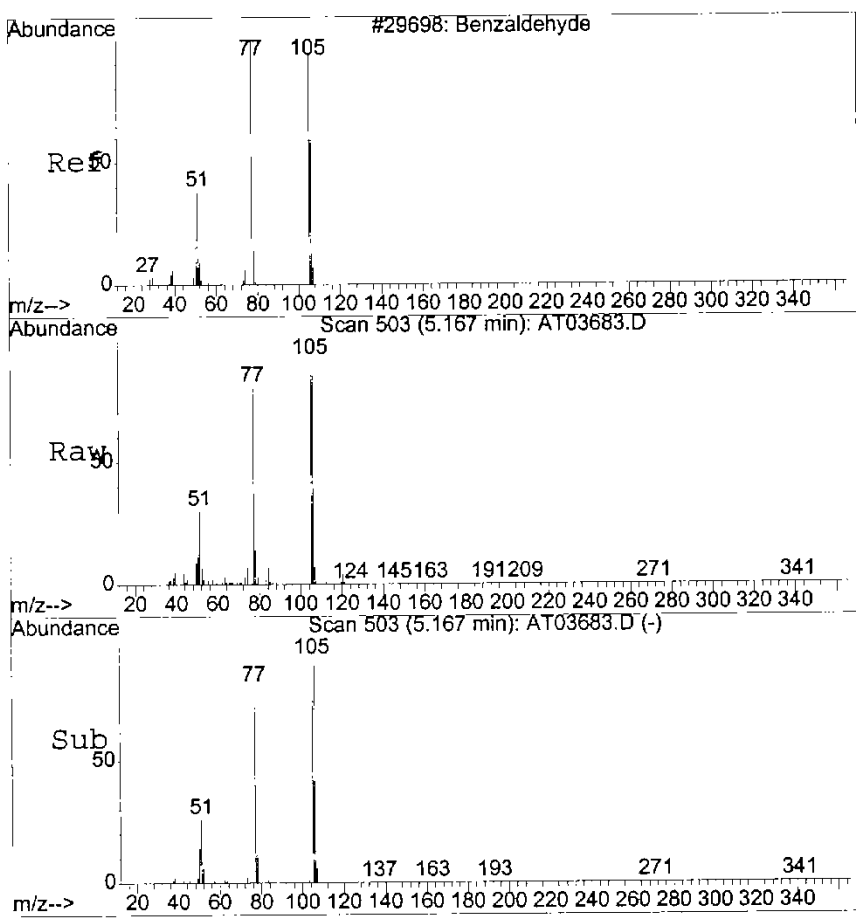


#5
Cyclohexanone
Concen: 19.53 ul/L
RT: 4.56 min Scan# 390
Delta R.T. -0.01 min
Lab File: AT03683.D
Acq: 25 Feb 2005 6:43 pm

Tgt Ion: 55 Resp: 3108

Ion	Ratio	Lower	Upper
55	100		
69	43.7	4.6	64.6
98	49.9	24.8	84.8

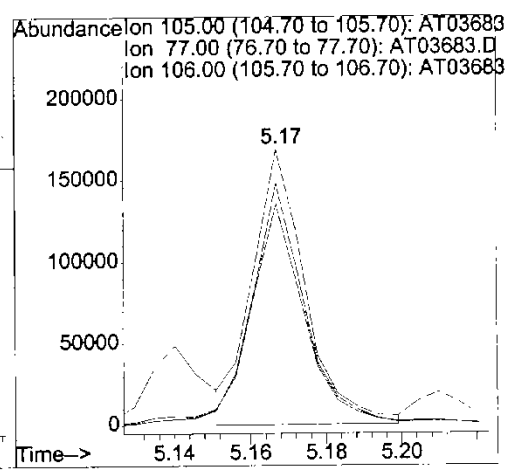




#6
Benzaldehyde
Concen: 890.53 ul/L
RT: 5.17 min Scan# 503
Delta R.T. -0.01 min
Lab File: AT03683.D
Acq: 25 Feb 2005 6:43 pm

Tgt Ion:105 Resp: 163547

Ion	Ratio	Lower	Upper
105	100		
77	83.5	63.9	123.9
106	90.7	72.0	132.0



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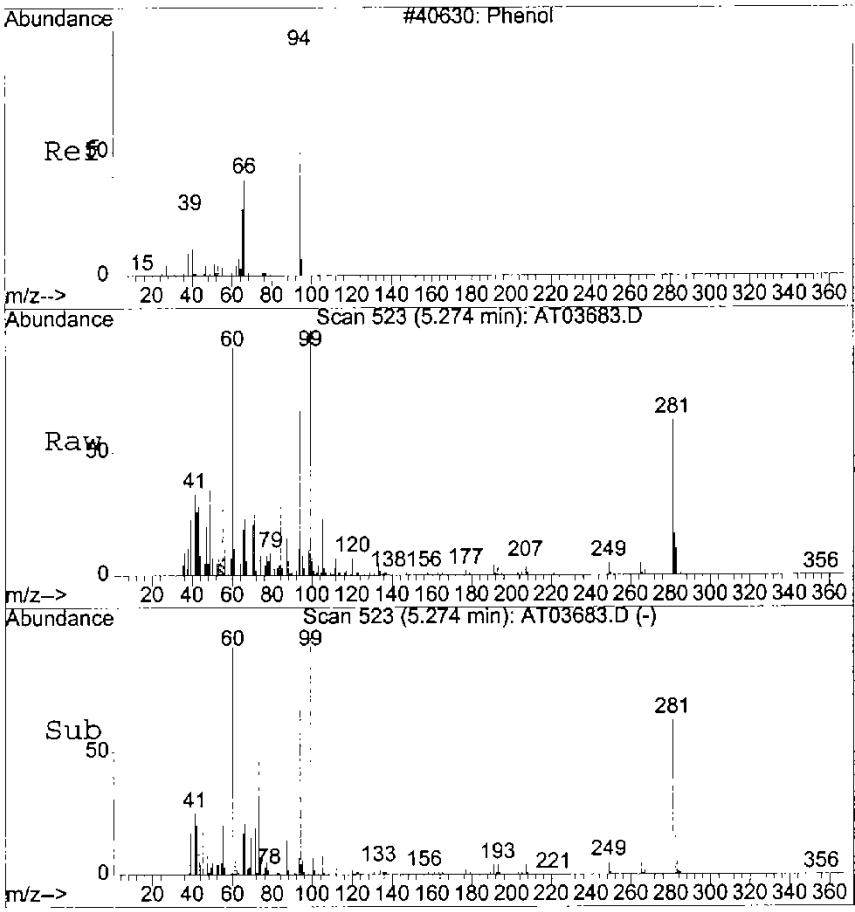
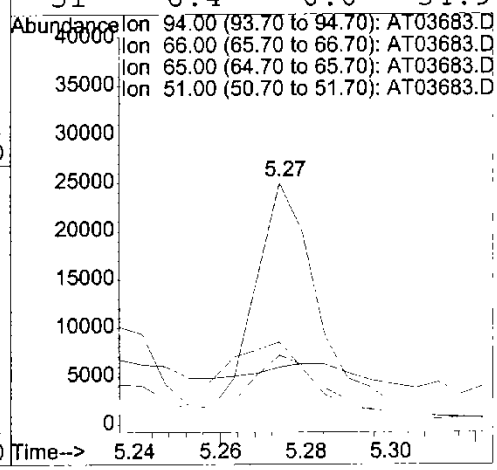
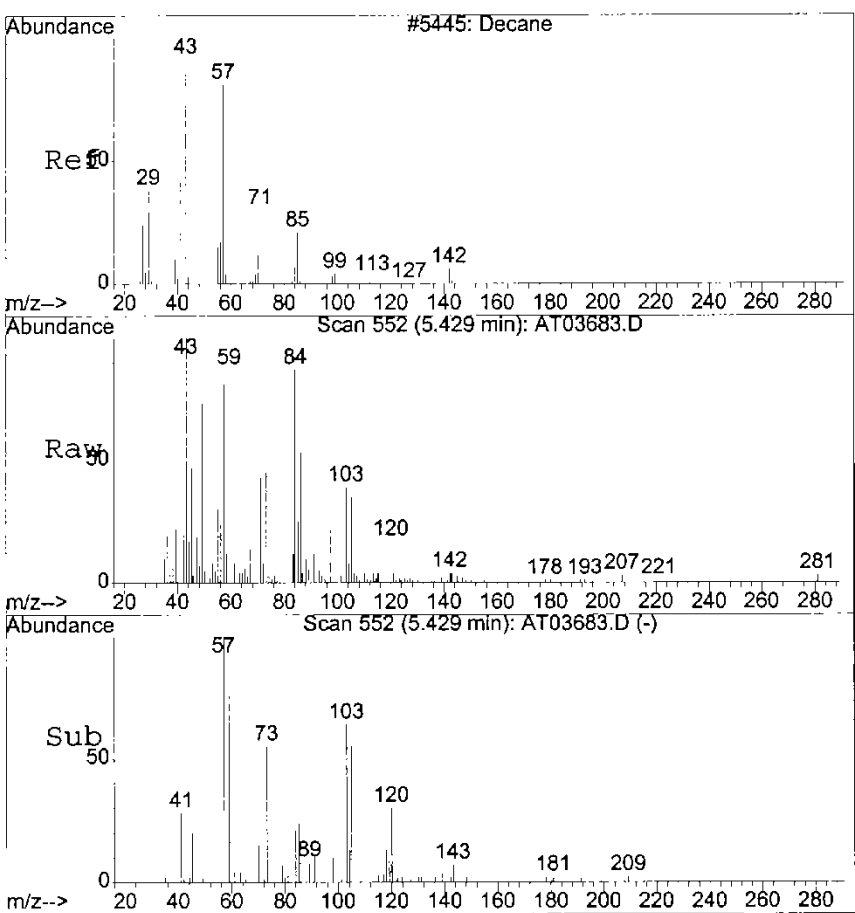


#9
Phenol
Concen: 93.88 ug/L
RT: 5.27 min Scan# 523
Delta R.T. 0.00 min
Lab File: AT03683.D
Acq: 25 Feb 2005 6:43 pm

Tgt Ion: 94 Resp: 22881

Ion	Ratio	Lower	Upper
94	100		
66	25.0	14.1	74.1
65	24.0	1.3	61.3
51	6.4	0.0	34.9

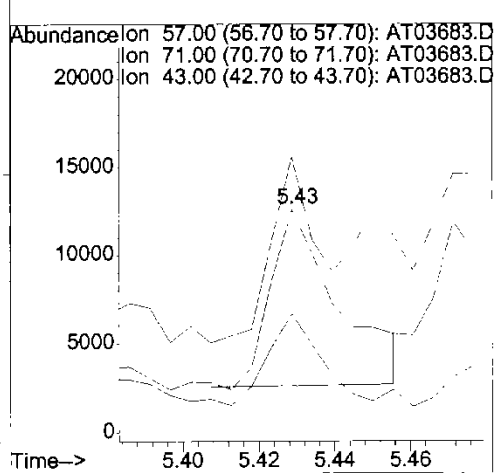




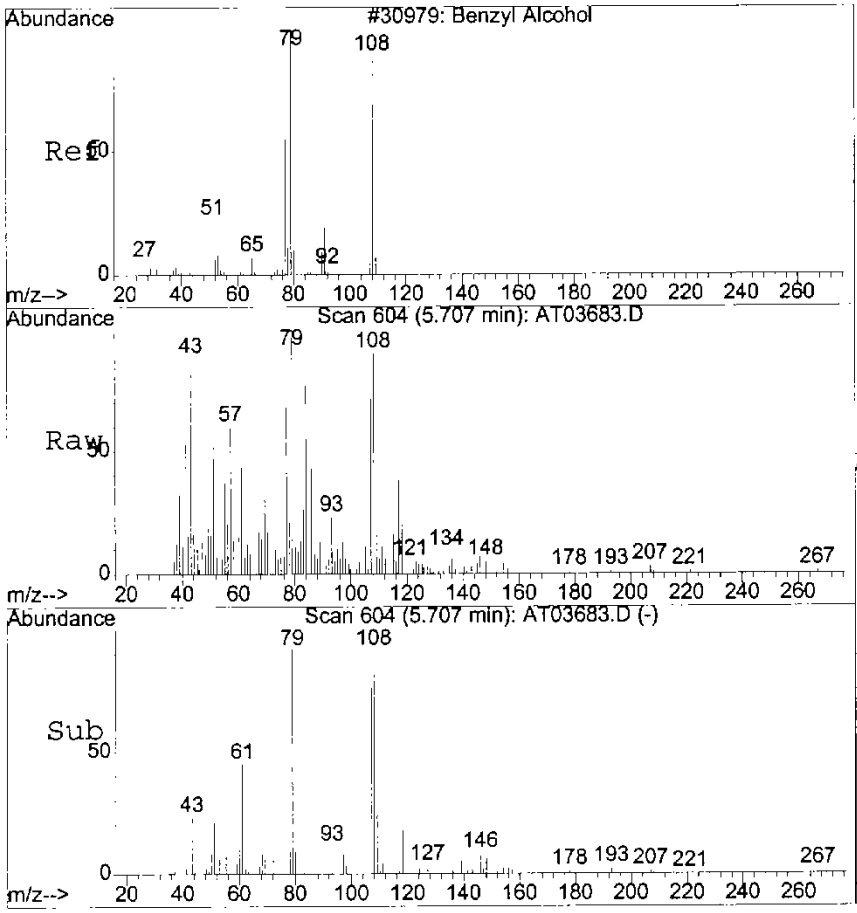
#12
Decane
Concen: 49.40 ul/L
RT: 5.43 min Scan# 552
Delta R.T. -0.00 min
Lab File: AT03683.D
Acq: 25 Feb 2005 6:43 pm

Tgt Ion: 57 Resp: 12189

Ion	Ratio	Lower	Upper
57	100		
71	44.3	13.9	73.9
43	71.9	48.7	108.7



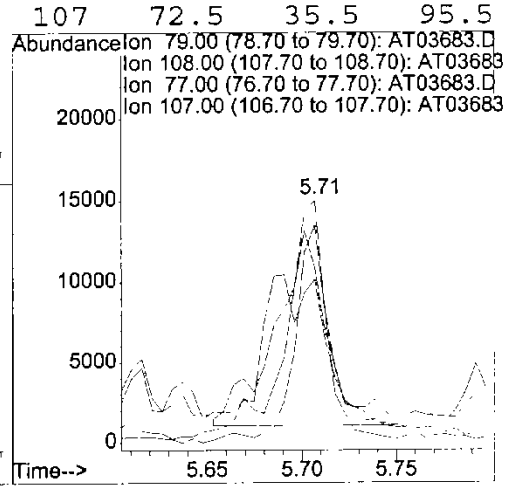
00186

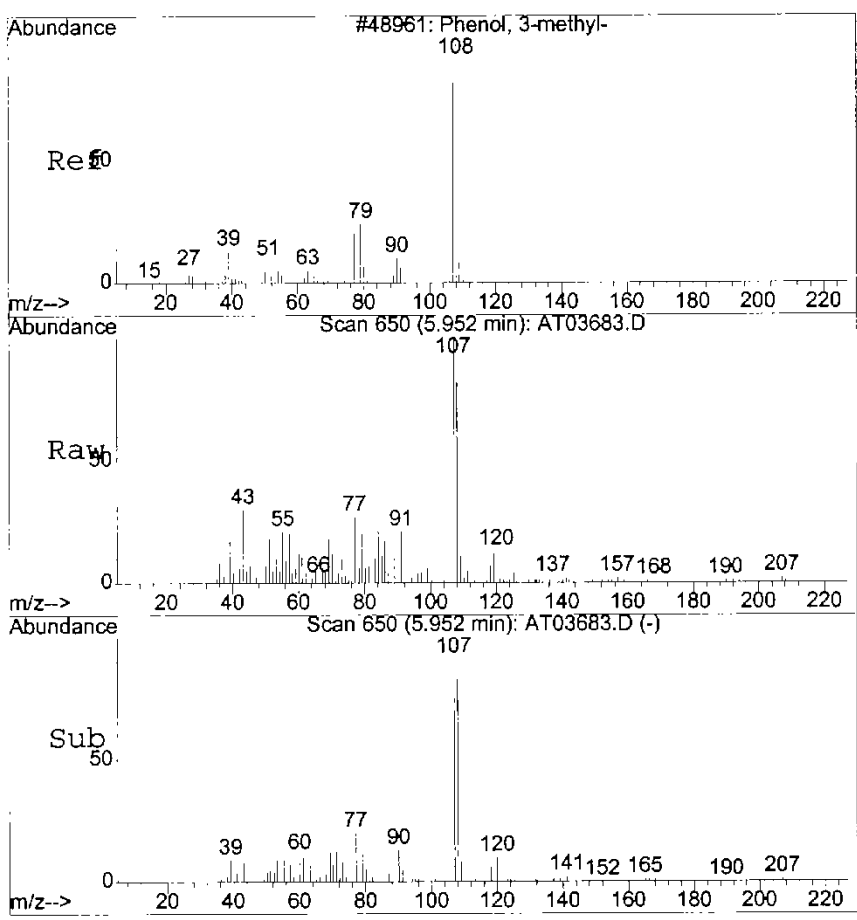


#15
Benzyl alcohol
Concen: 182.51 ug/L
RT: 5.71 min Scan# 604
Delta R.T. 0.01 min
Lab File: AT03683.D
Acq: 25 Feb 2005 6:43 pm

Tgt Ion: 79 Resp: 24382

Ion	Ratio	Lower	Upper
79	100		
108	96.9	62.2	122.2
77	63.5	29.8	89.8
107	72.5	35.5	95.5

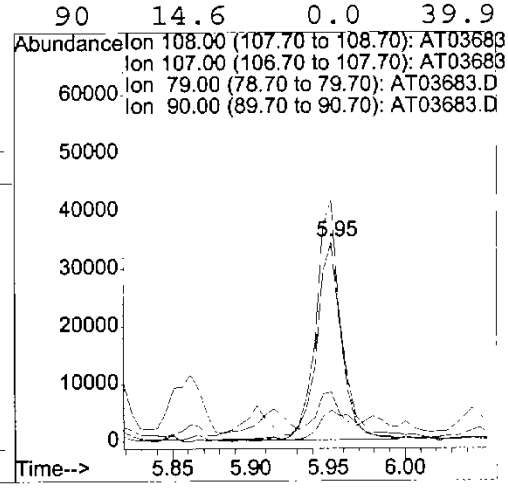




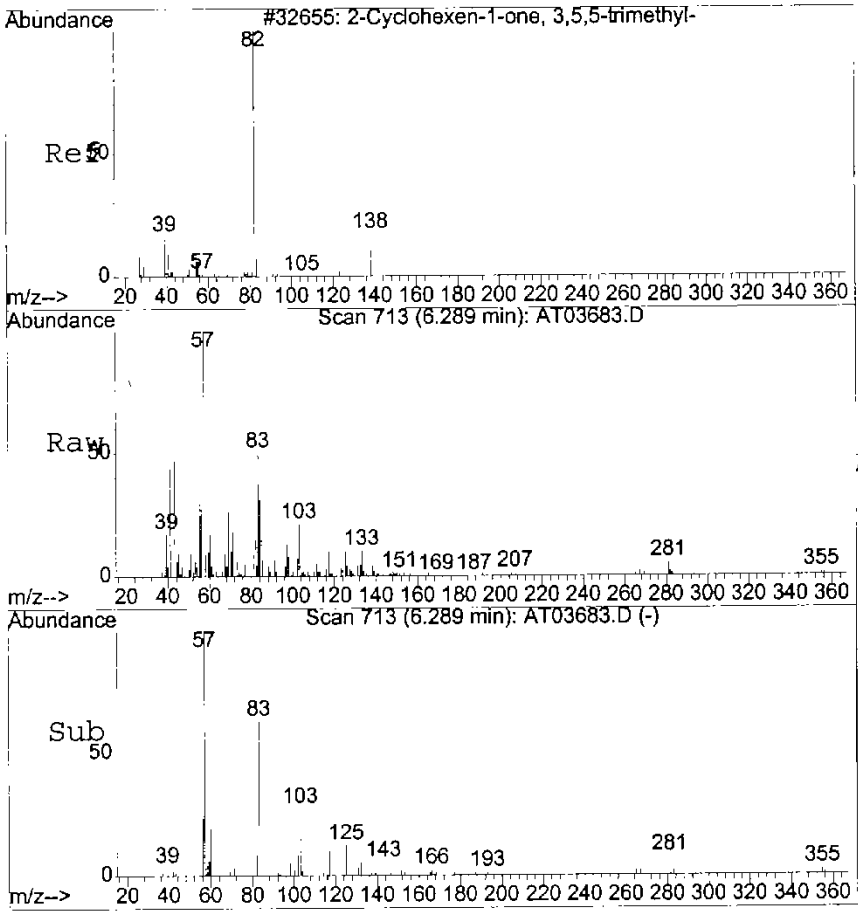
#19
3-&4-Methylphenol
Concen: 216.44 ug/L
RT: 5.95 min Scan# 650
Delta R.T. 0.01 min
Lab File: AT03683.D
Acq: 25 Feb 2005 6:43 pm

Tgt Ion:108 Resp: 38994

Ion	Ratio	Lower	Upper
108	100		
107	119.2	75.6	135.6
79	18.8	0.0	55.6
90	14.6	0.0	39.9



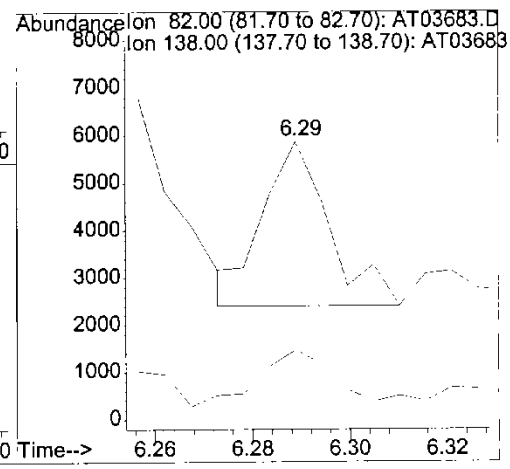
00187

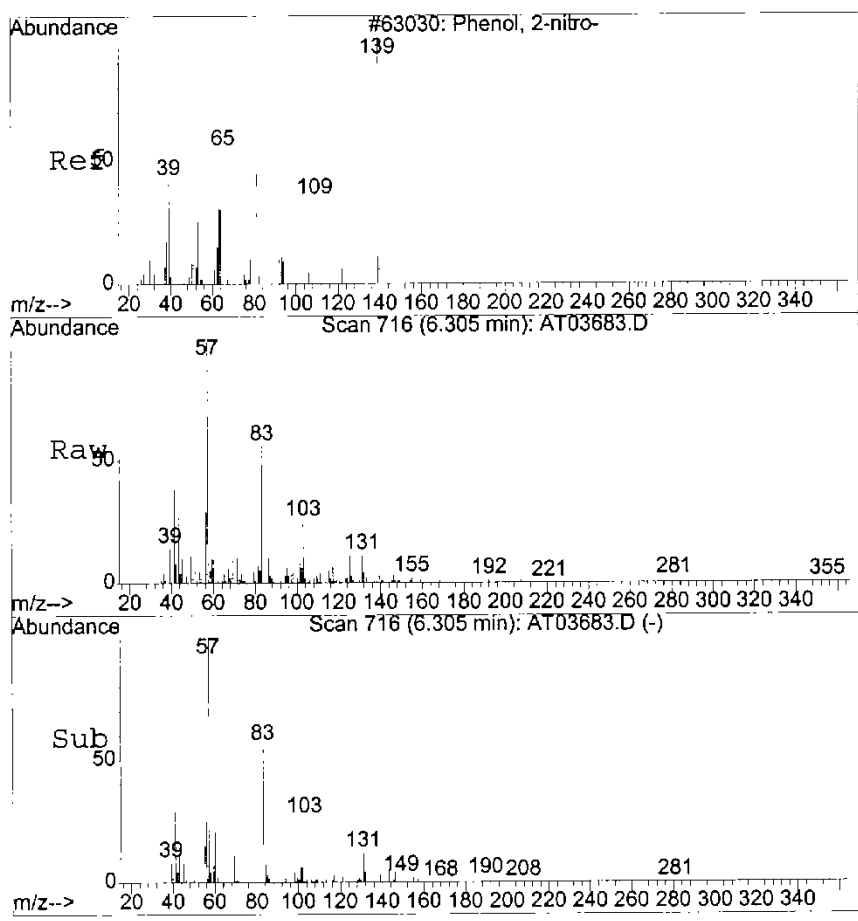


#26
Isophorone
Concen: 8.34 ug/L
RT: 6.29 min Scan# 713
Delta R.T. 0.00 min
Lab File: AT03683.D
Acq: 25 Feb 2005 6:43 pm

Tgt Ion: 82 Resp: 3254

Ion	Ratio	Lower	Upper
82	100		
138	31.5	0.0	51.7

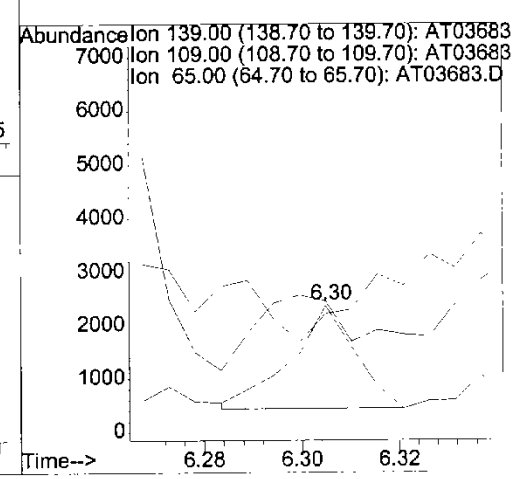


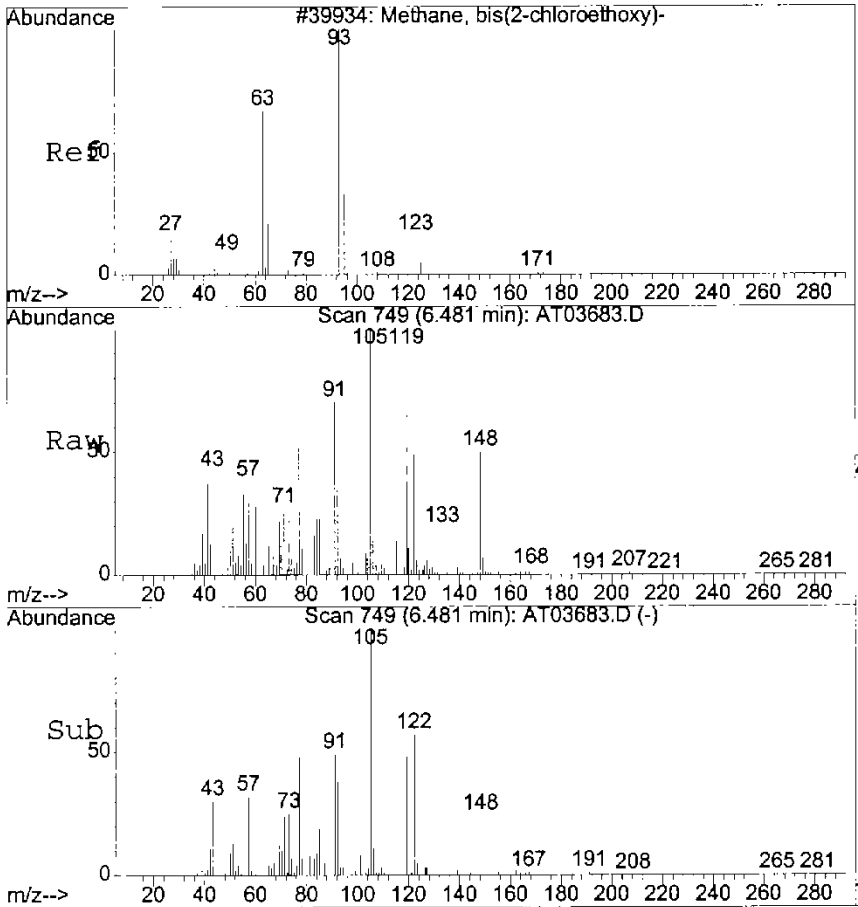


#27
2-Nitrophenol
Concen: 16.29 ug/L
RT: 6.30 min Scan# 716
Delta R.T. -0.05 min
Lab File: AT03683.D
Acq: 25 Feb 2005 6:43 pm

Tgt Ion:139 Resp: 1760

Ion	Ratio	Lower	Upper
139	100		
109	0.0	0.0	49.5
65	51.7	4.3	64.3

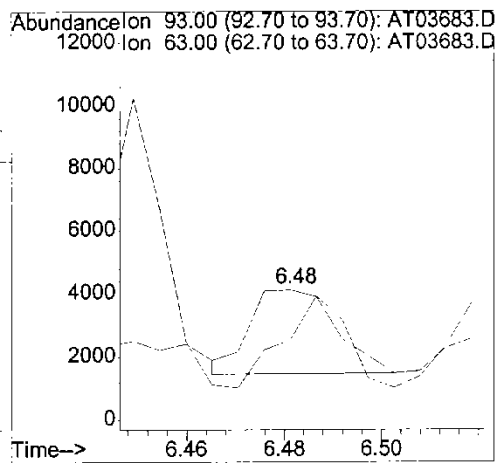


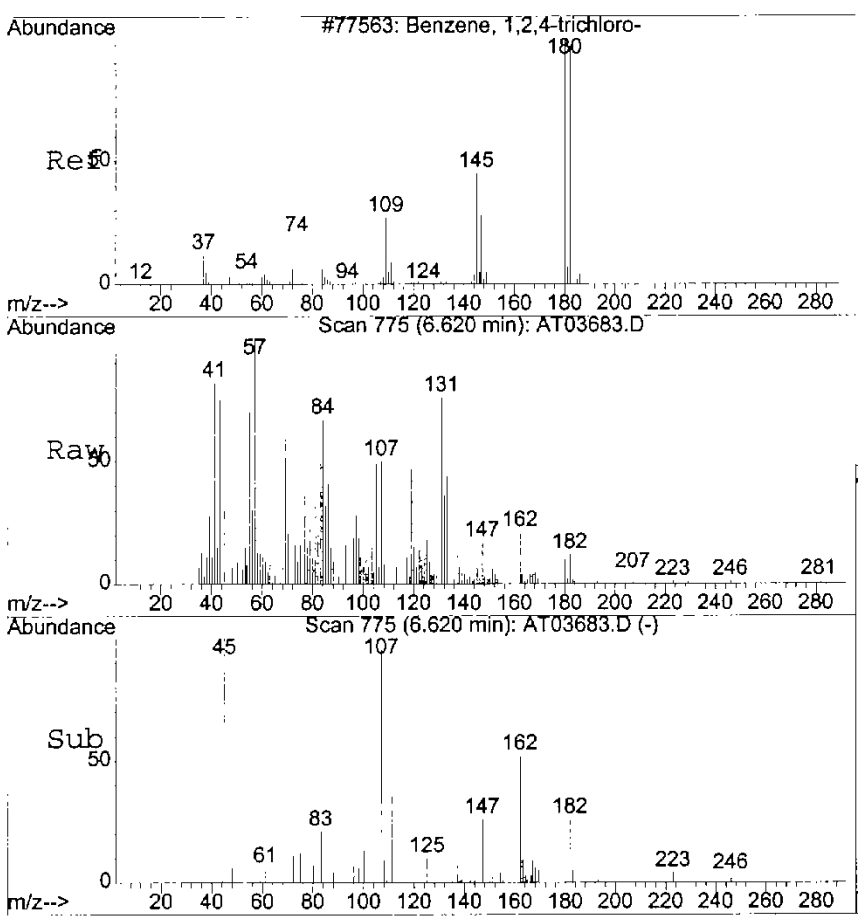


#29
bis(2-Chloroethoxy)methane
Concen: 13.28 ug/L
RT: 6.48 min Scan# 749
Delta R.T. -0.00 min
Lab File: AT03683.D
Acq: 25 Feb 2005 6:43 pm

Tgt Ion: 93 Resp: 3220

Ion	Ratio	Lower	Upper
93	100		
63	60.2	23.3	83.3

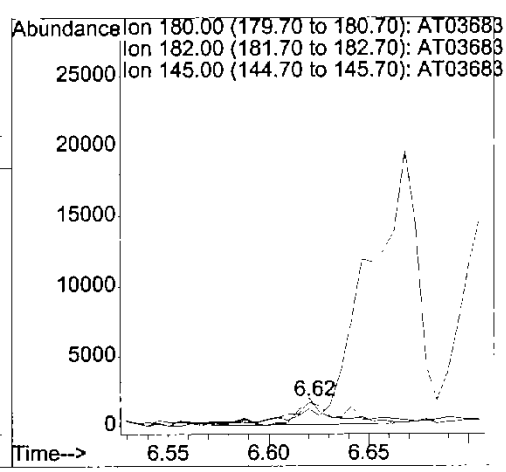


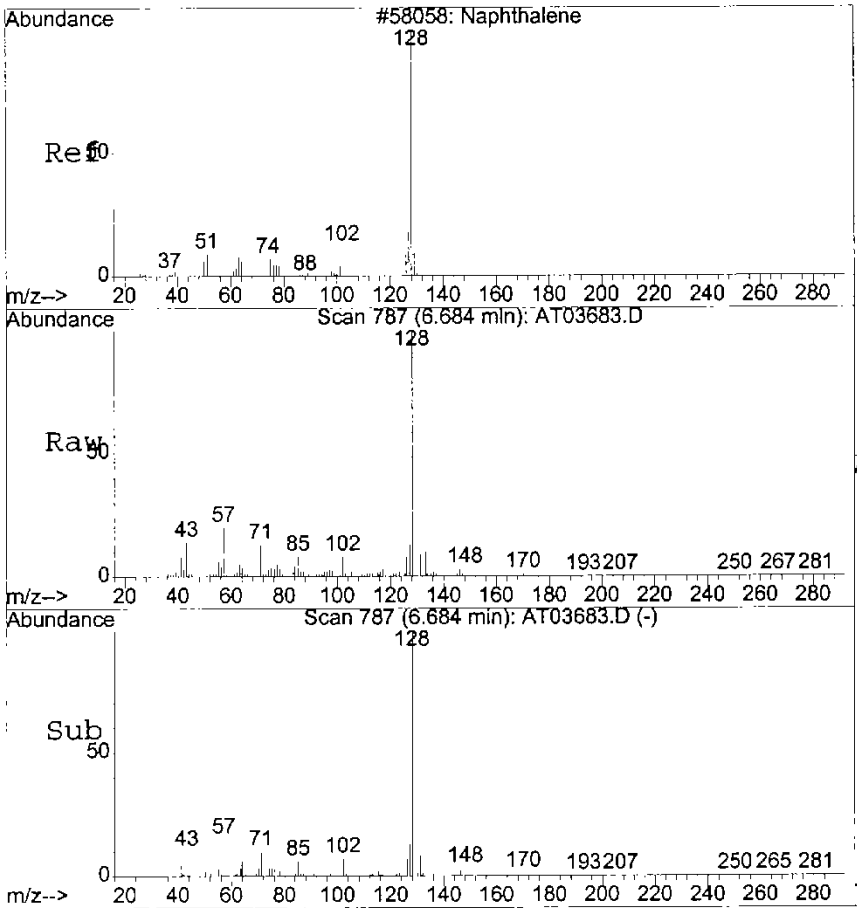


#32
1,2,4-Trichlorobenzene
Concen: 11.57 ug/L
RT: 6.62 min Scan# 775
Delta R.T. -0.00 min
Lab File: AT03683.D
Acq: 25 Feb 2005 6:43 pm

Tgt Ion:180 Resp: 2801

Ion	Ratio	Lower	Upper
180	100		
182	106.8	67.2	127.2
145	0.0	0.0	57.2

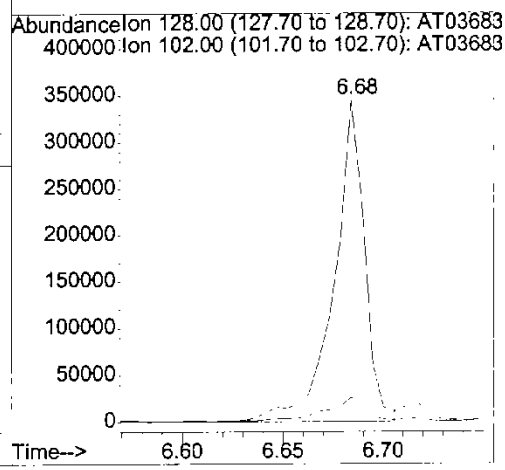


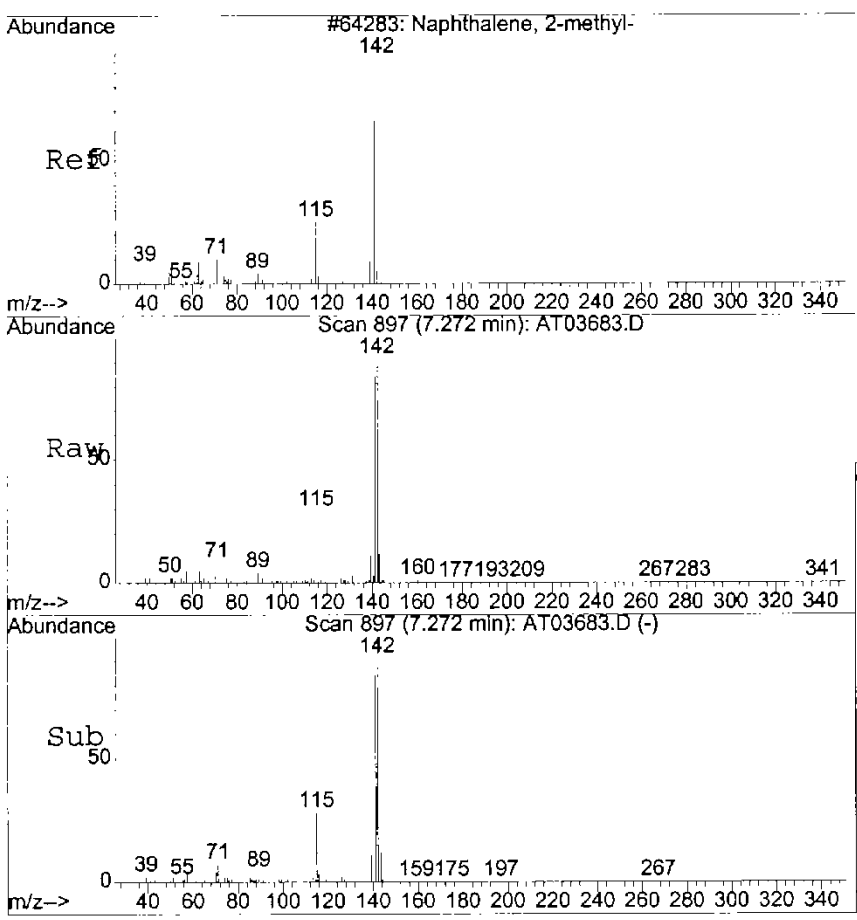


#33
Naphthalene
Concen: 500.71 ug/L
RT: 6.68 min Scan# 787
Delta R.T. 0.00 min
Lab File: AT03683.D
Acq: 25 Feb 2005 6:43 pm

Tgt Ion:128 Resp: 365685

Ion	Ratio	Lower	Upper
128	100		
102	7.3	0.0	37.8

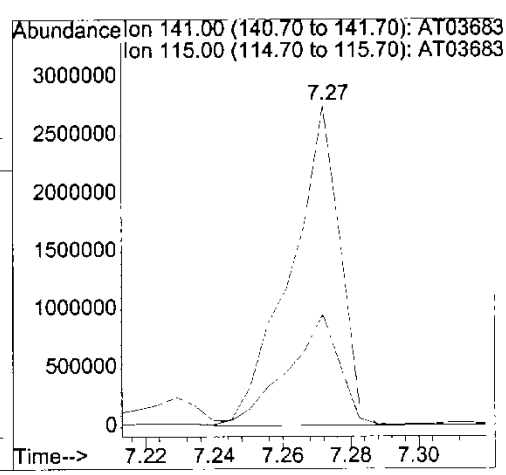


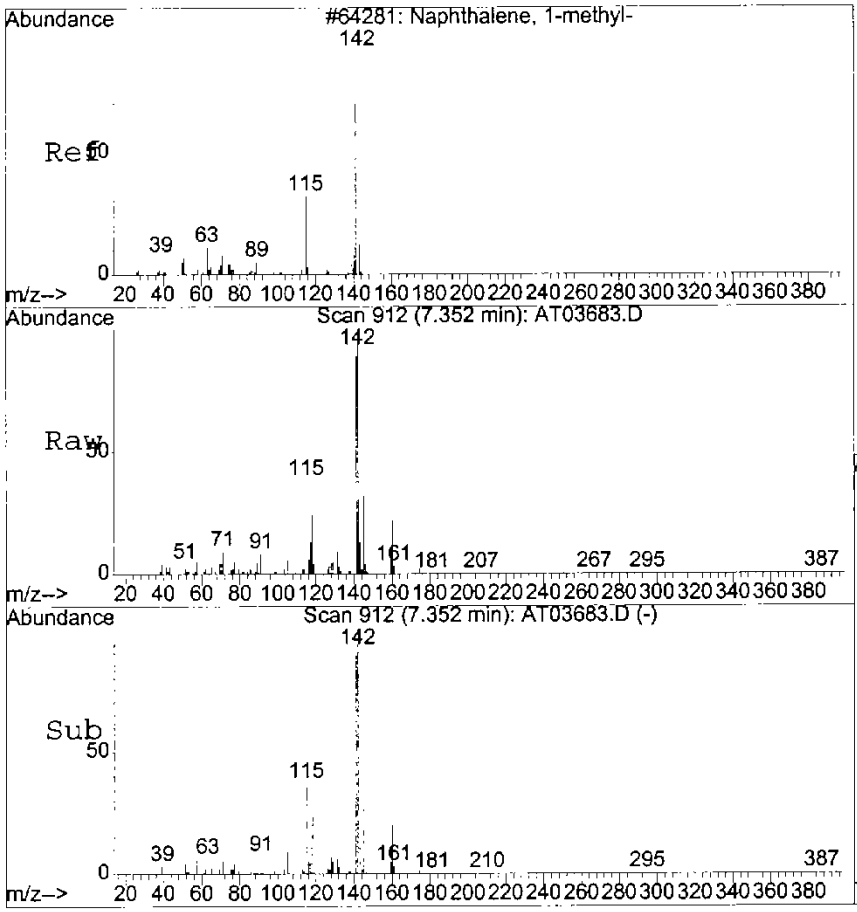


#37
2-Methylnaphthalene
Concen: 7146.08 ug/L
RT: 7.27 min Scan# 897
Delta R.T. 0.01 min
Lab File: AT03683.D
Acq: 25 Feb 2005 6:43 pm

Tgt Ion:141 Resp: 2765223

Ion	Ratio	Lower	Upper
141	100		
115	33.8	2.2	62.2

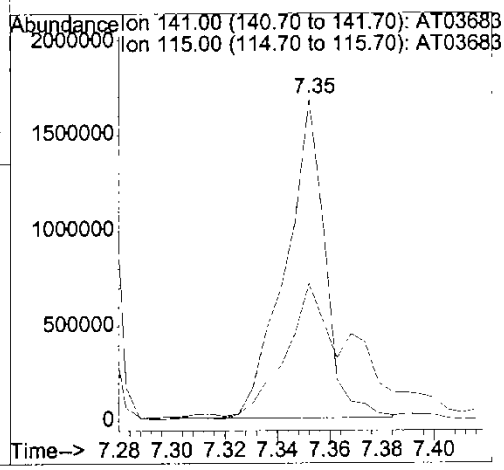


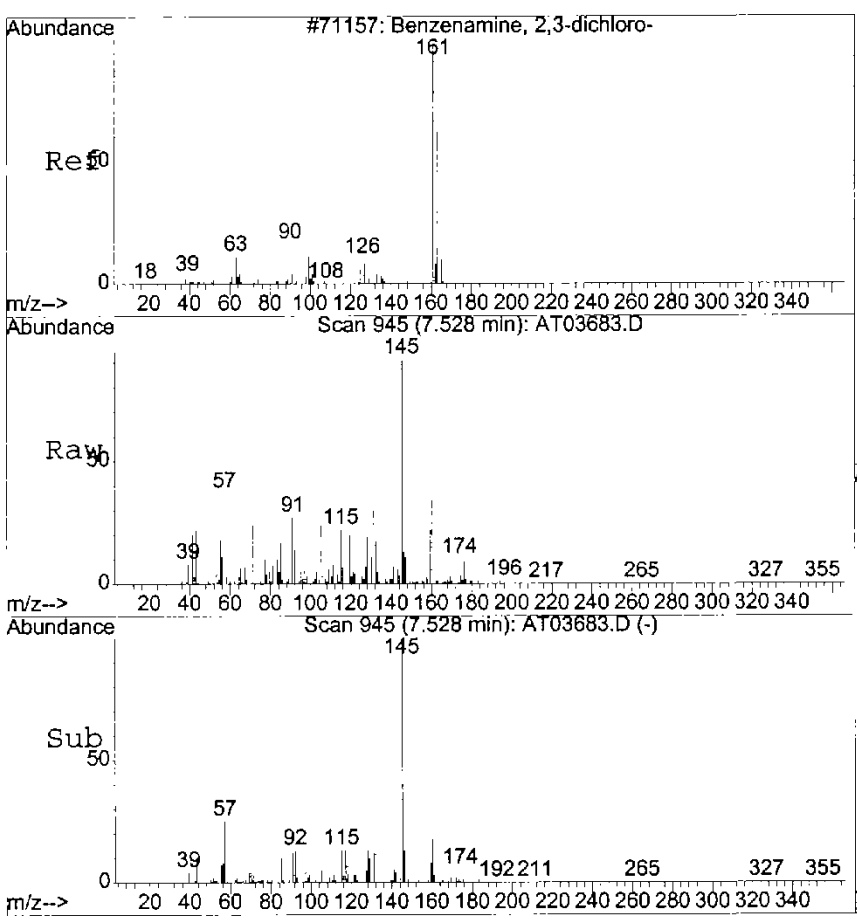


#38
1-Methylnaphthalene
Concen: 4343.41 ul/l
RT: 7.35 min Scan# 912
Delta R.T. 0.01 min
Lab File: AT03683.D
Acq: 25 Feb 2005 6:43 pm

Tgt Ion:141 Resp: 1751138

Ion	Ratio	Lower	Upper
141	100		
115	37.9	2.6	62.6

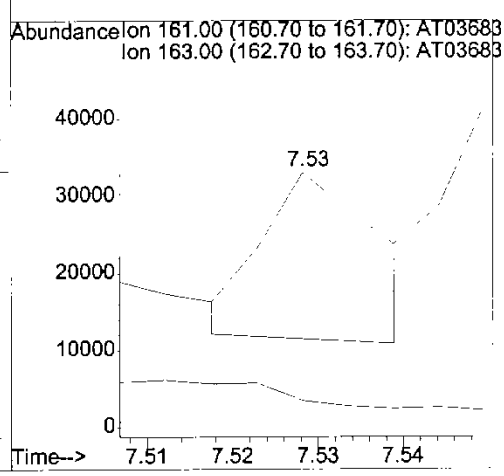


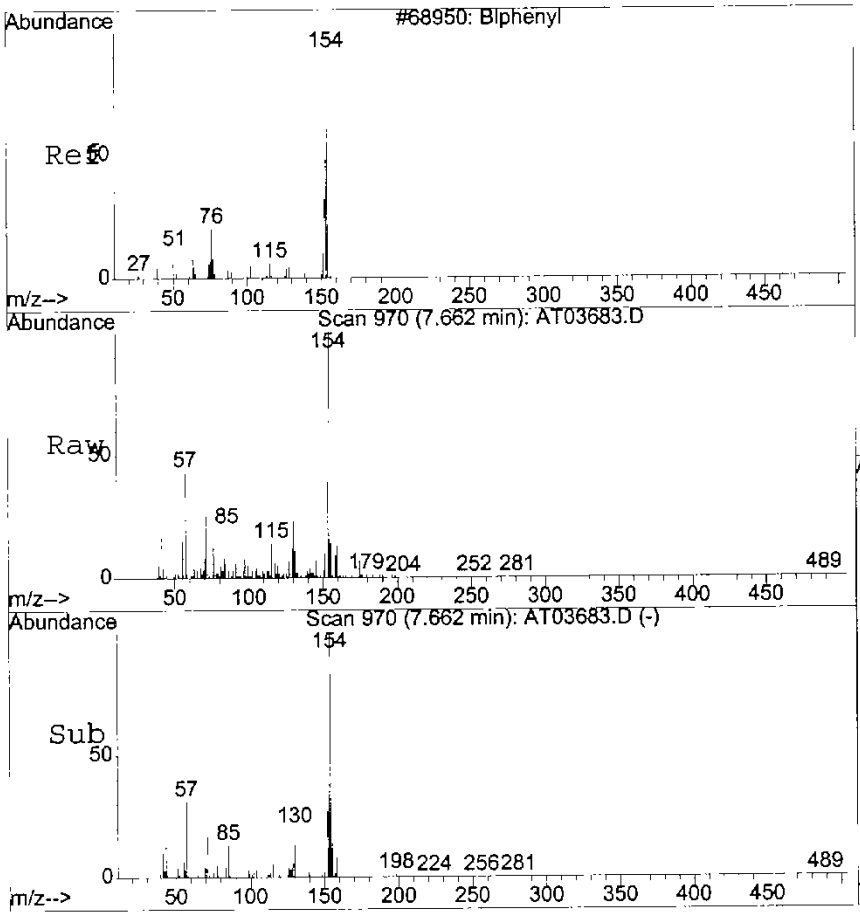


#41
2,3-Dichloroaniline
Concen: 90.46 ul/L
RT: 7.53 min Scan# 945
Delta R.T. 0.02 min
Lab File: AT03683.D
Acq: 25 Feb 2005 6:43 pm

Tgt Ion:161 Resp: 20004

Ion	Ratio	Lower	Upper
161	100		
163	40.5	35.9	95.9

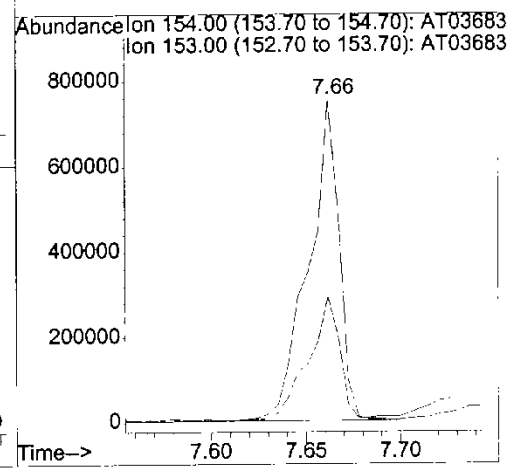


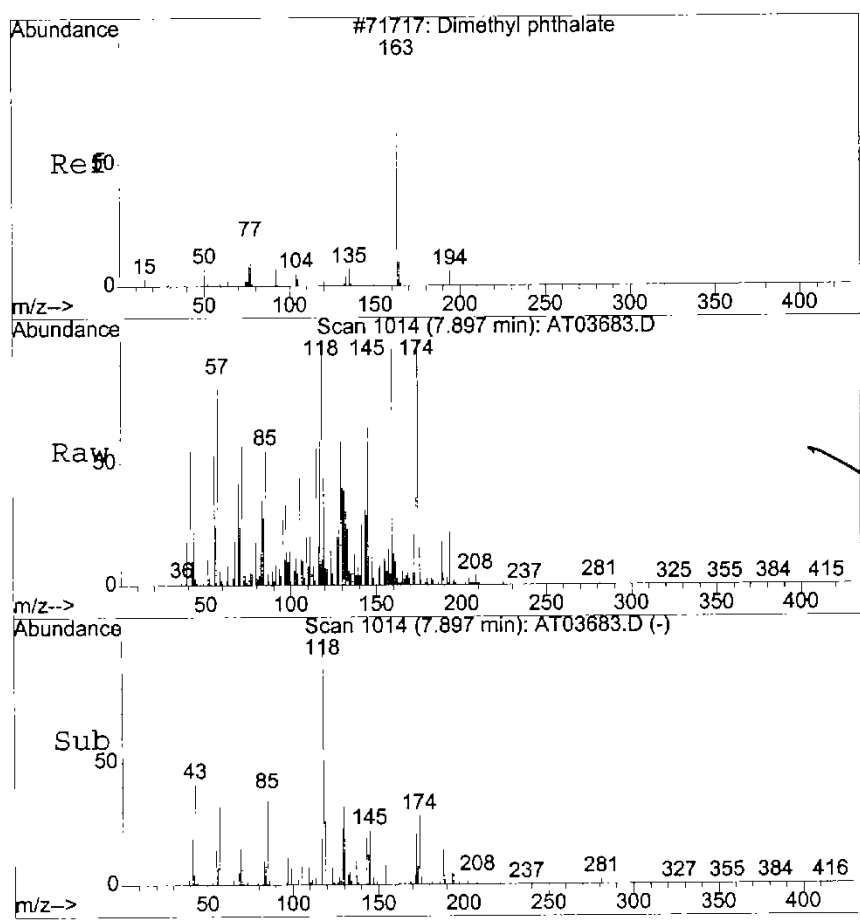


#46
Biphenyl
Concen: 1468.23 ul/L
RT: 7.66 min Scan# 970
Delta R.T. -0.00 min
Lab File: AT03683.D
Acq: 25 Feb 2005 6:43 pm

Tgt Ion:154 Resp: 842943

Ion	Ratio	Lower	Upper
154	100		
153	39.6	9.4	69.4

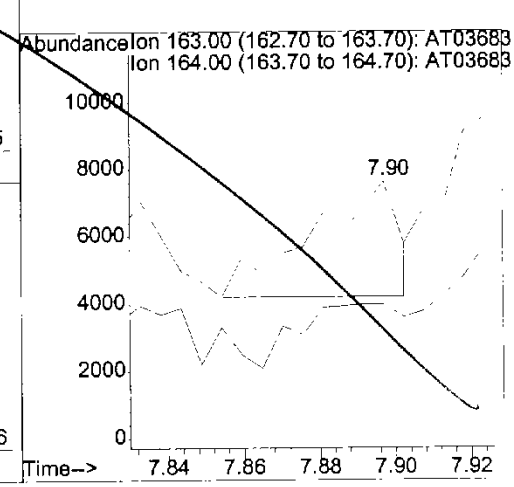


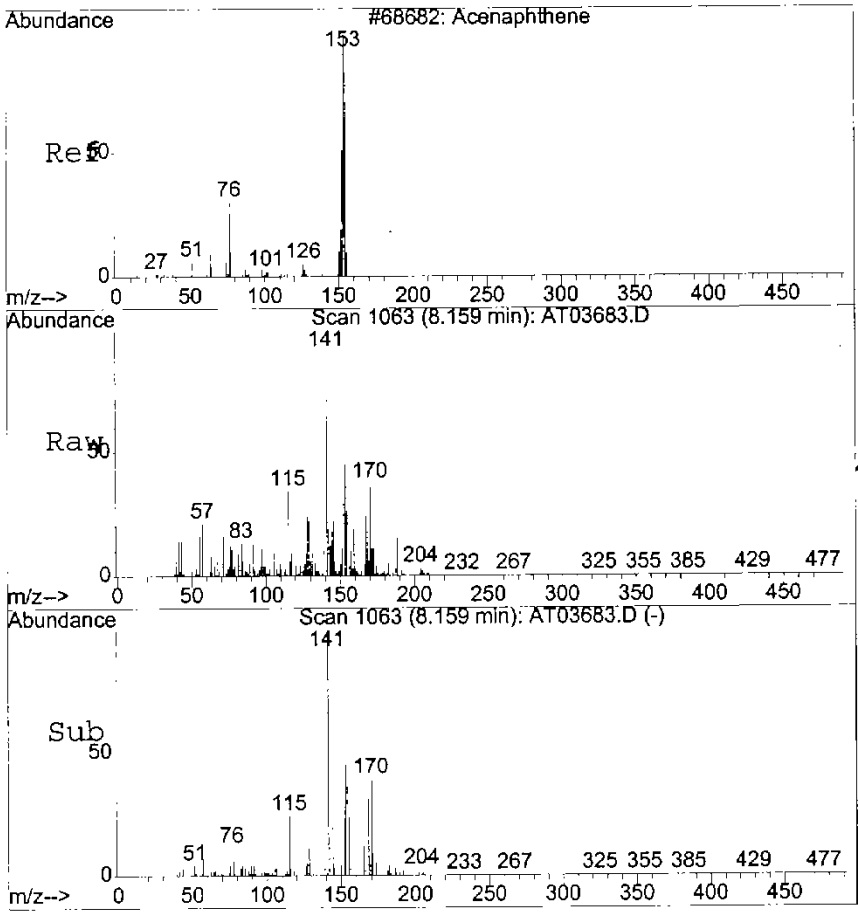


#48
Dimethylphthalate
Concen: 11.10 ug/L
RT: 7.90 min Scan# 1014
Delta R.T. -0.02 min
Lab File: AT03683.D
Acq: 25 Feb 2005 6:43 pm

Tgt Ion:163 Resp: 5337

Ion	Ratio	Lower	Upper
163	100		
164	19.8	0.0	40.0

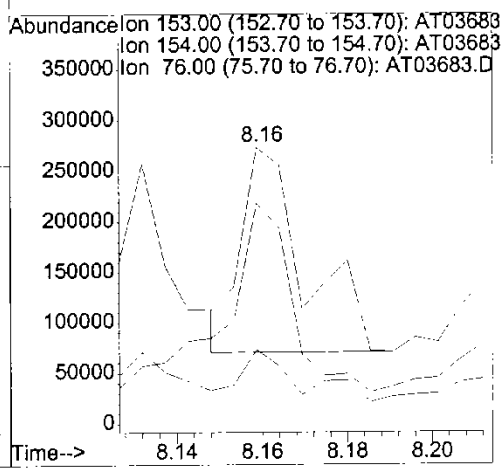


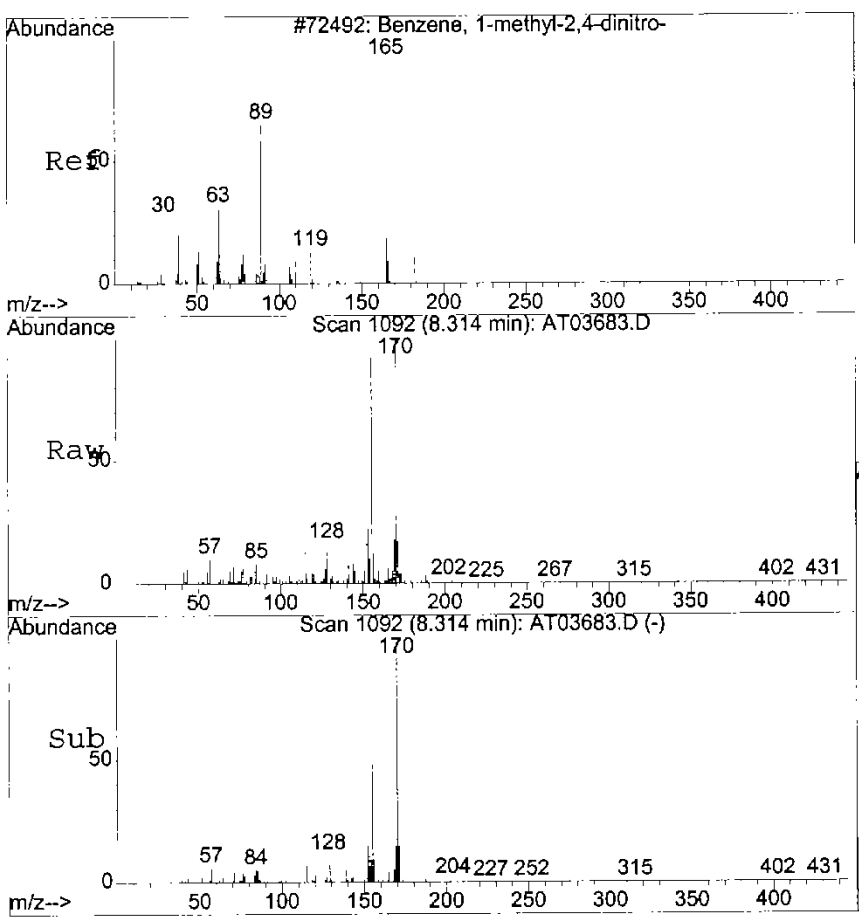


#52
Acenaphthene
Concen: 453.25 ug/L
RT: 8.16 min Scan# 1063
Delta R.T. 0.00 min
Lab File: AT03683.D
Acq: 25 Feb 2005 6:43 pm

Tgt Ion:153 Resp: 210656

Ion	Ratio	Lower	Upper
153	100		
154	86.8	53.5	113.5
76	23.8	0.0	50.2

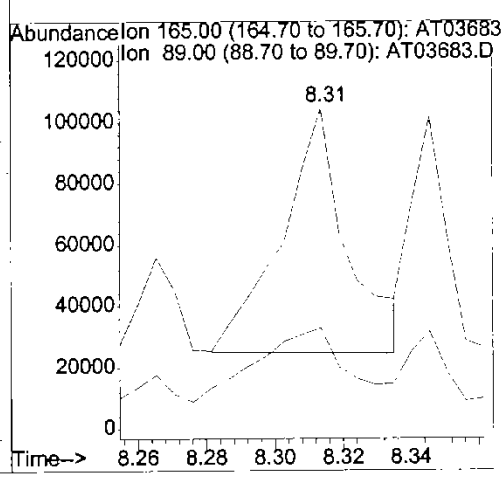


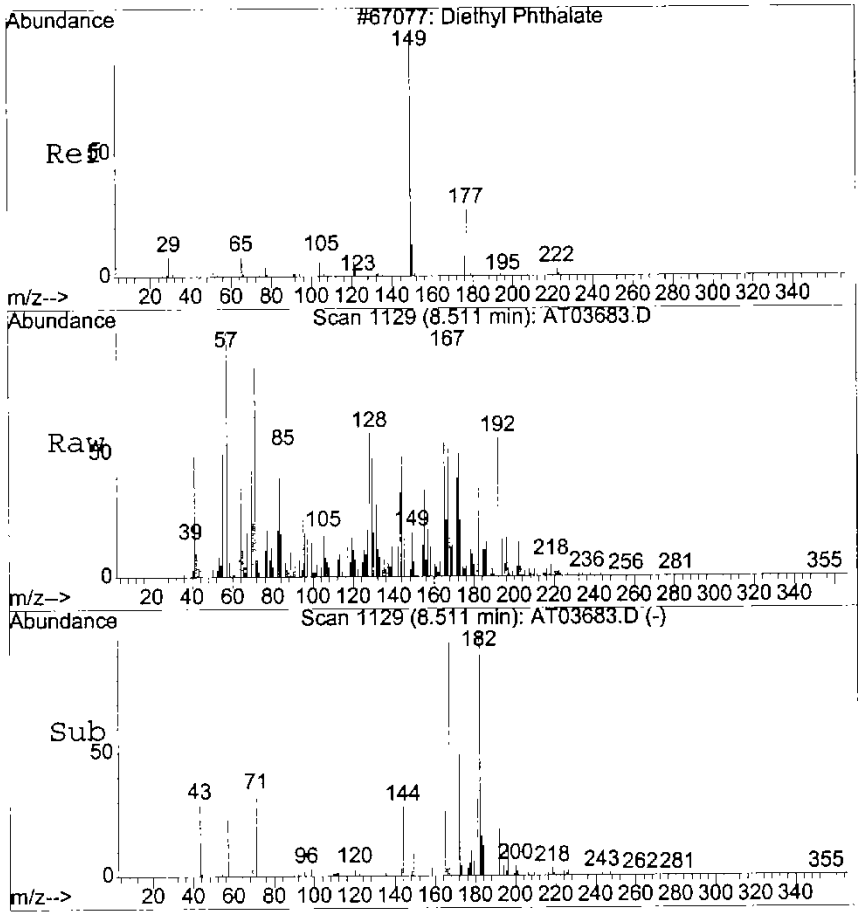


#56
2,4-Dinitrotoluene
Concen: 708.19 ug/L
RT: 8.31 min Scan# 1092
Delta R.T. 0.02 min
Lab File: AT03683.D
Acq: 25 Feb 2005 6:43 pm

Tgt Ion:165 Resp: 105995

Ion	Ratio	Lower	Upper
165	100		
89	26.4	22.1	82.1

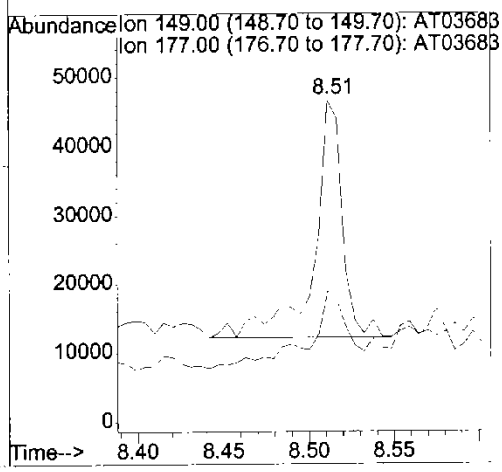


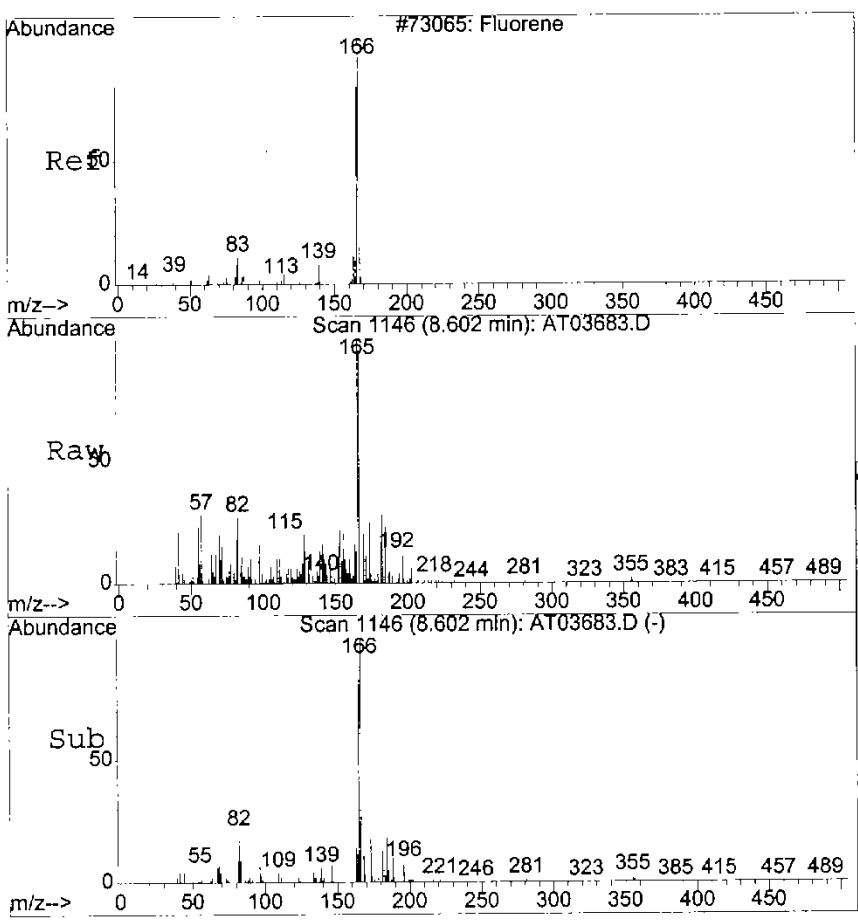


#59
Diethylphthalate
Concen: 80.87 ug/L
RT: 8.51 min Scan# 1129
Delta R.T. 0.00 min
Lab File: AT03683.D
Acq: 25 Feb 2005 6:43 pm

Tgt Ion:149 Resp: 41134

Ion	Ratio	Lower	Upper
149	100		
177	28.5	0.0	53.1

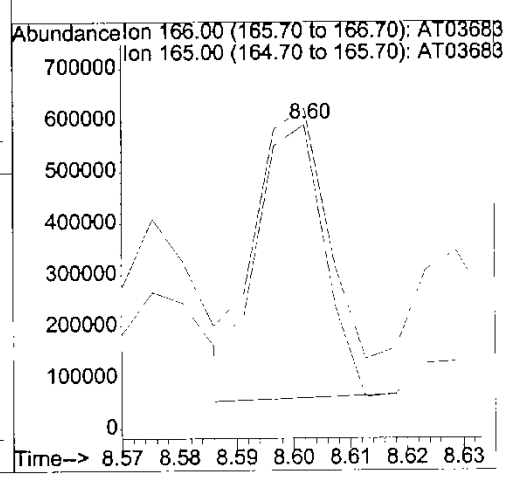


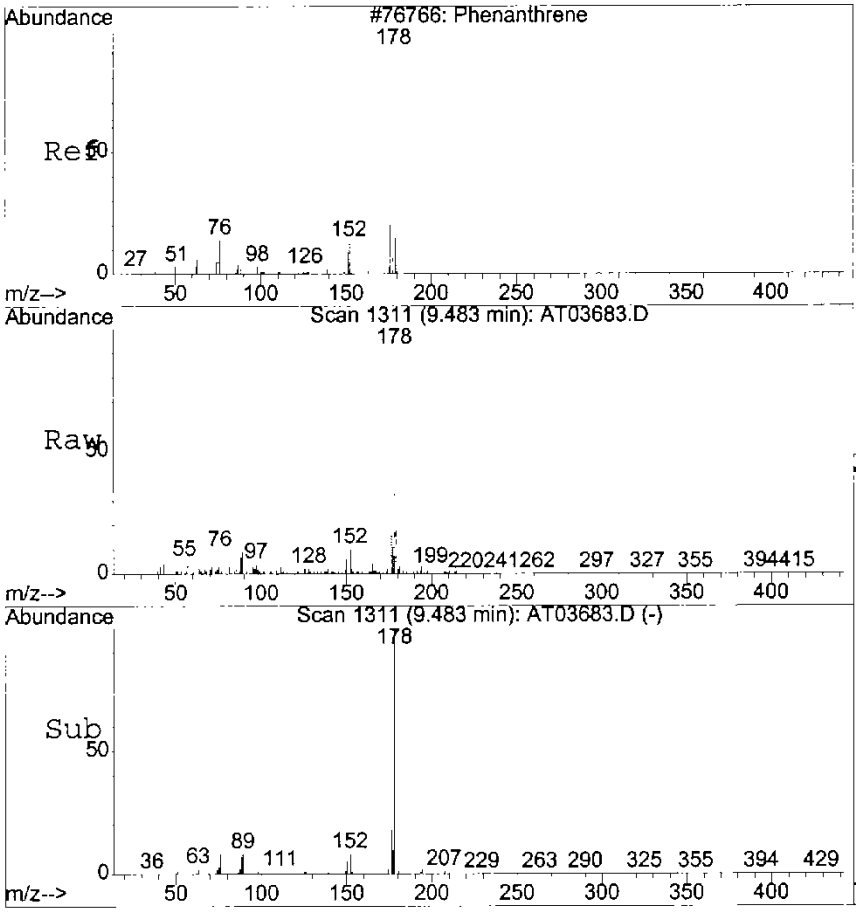


#60
Fluorene
Concen: 914.75 ug/L
RT: 8.60 min Scan# 1146
Delta R.T. 0.00 min
Lab File: AT03683.D
Acq: 25 Feb 2005 6:43 pm

Tgt Ion:166 Resp: 438324

Ion	Ratio	Lower	Upper
166	100		
165	93.5	65.1	125.1

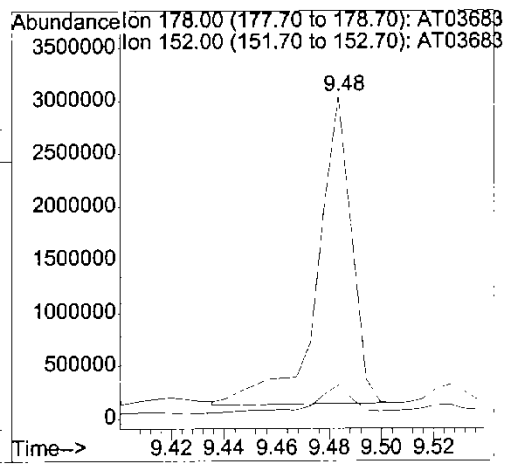


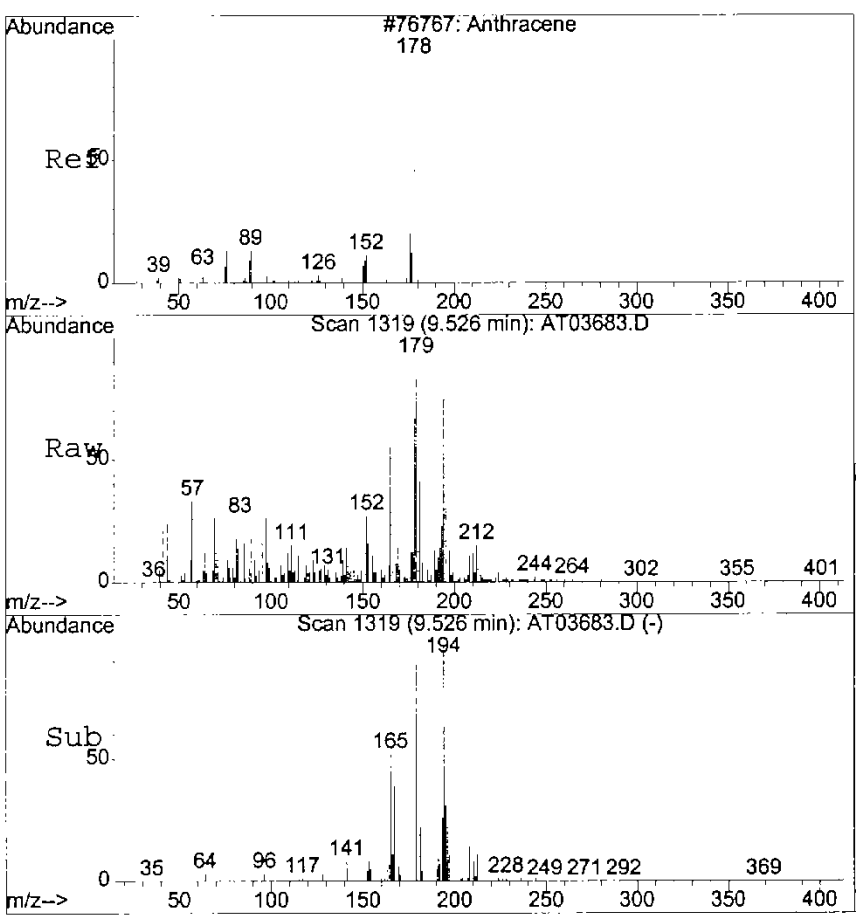


#71
Phenanthrene
Concen: 4060.91 ug/L
RT: 9.48 min Scan# 1311
Delta R.T. 0.01 min
Lab File: AT03683.D
Acq: 25 Feb 2005 6:43 pm

Tgt Ion:178 Resp: 2643659

Ion	Ratio	Lower	Upper
178	100		
152	8.5	0.0	39.1

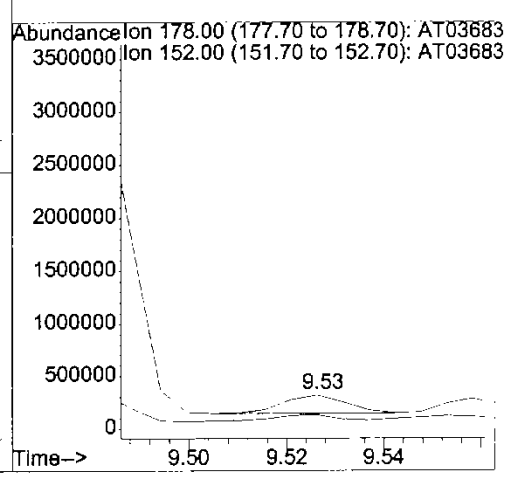


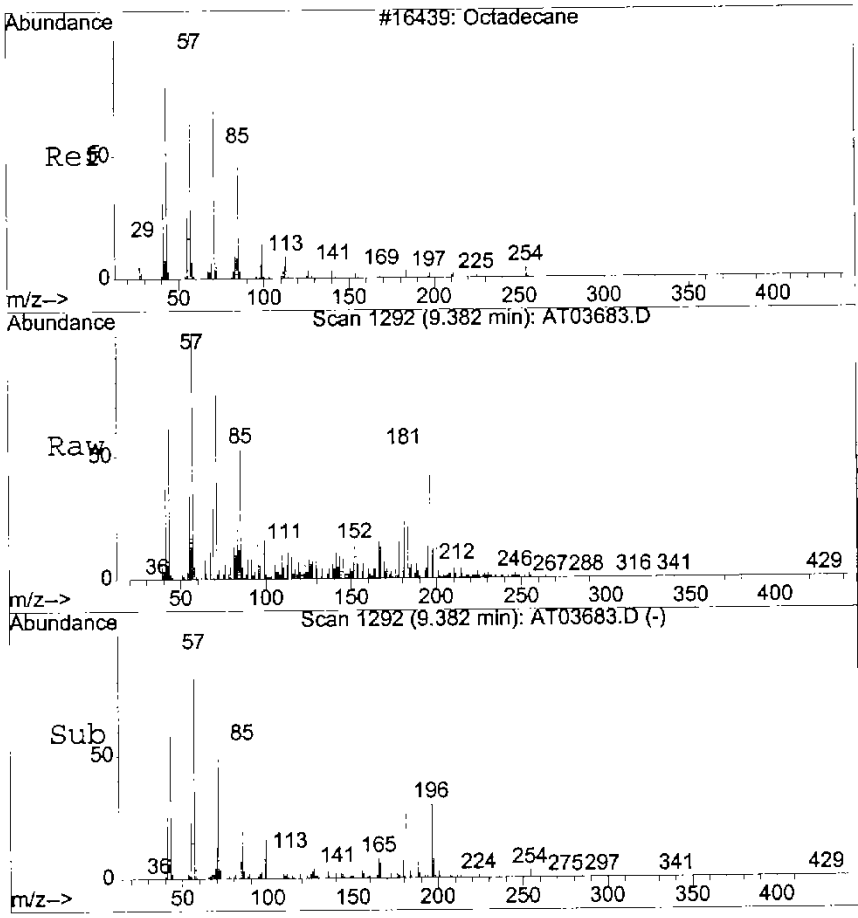


#72
Anthracene
Concen: 259.29 ug/L
RT: 9.53 min Scan# 1319
Delta R.T. 0.01 min
Lab File: AT03683.D
Acq: 25 Feb 2005 6:43 pm

Tgt Ion:178 Resp: 153095

Ion	Ratio	Lower	Upper
178	100		
152	24.7	0.0	37.3

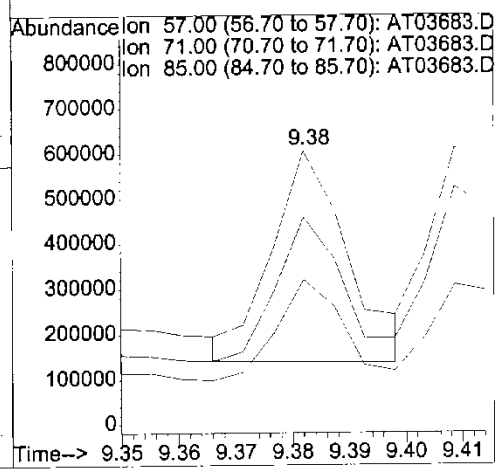


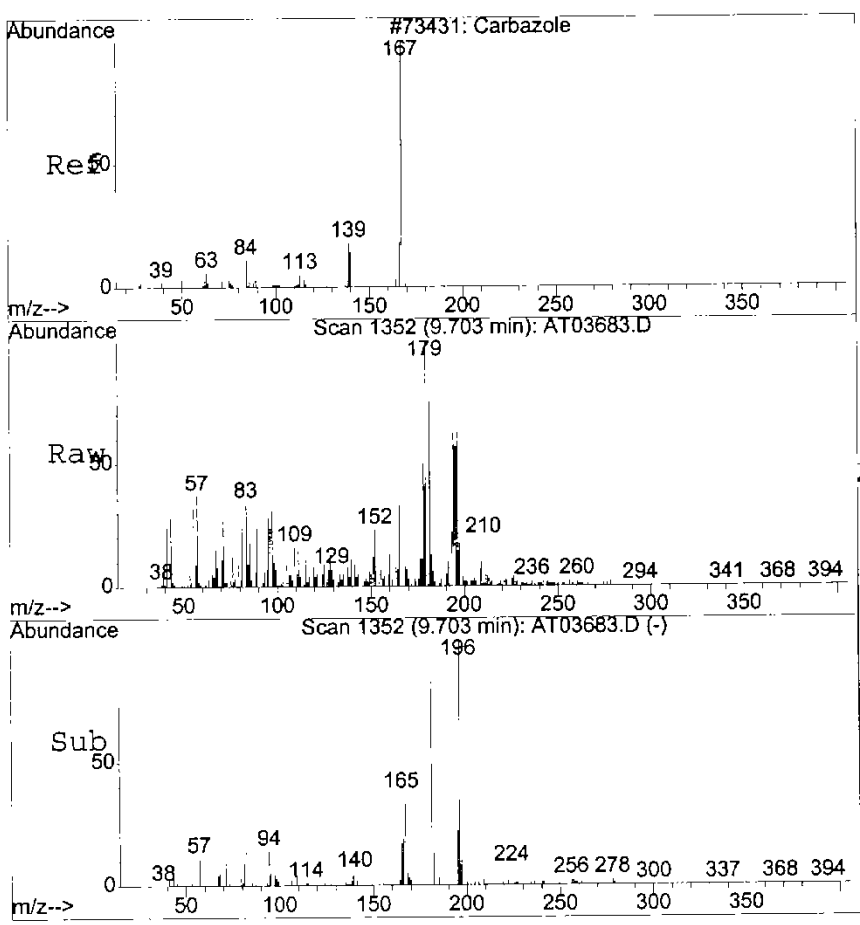


#73
Octadecane
Concen: 2300.48 ul/L
RT: 9.38 min Scan# 1292
Delta R.T. 0.01 min
Lab File: AT03683.D
Acq: 25 Feb 2005 6:43 pm

Tgt Ion: 57 Resp: 434611

Ion	Ratio	Lower	Upper
57	100		
71	80.2	52.7	97.9
85	54.9	37.5	69.7

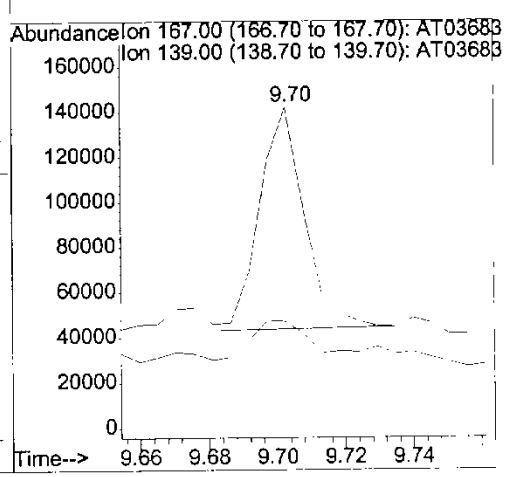


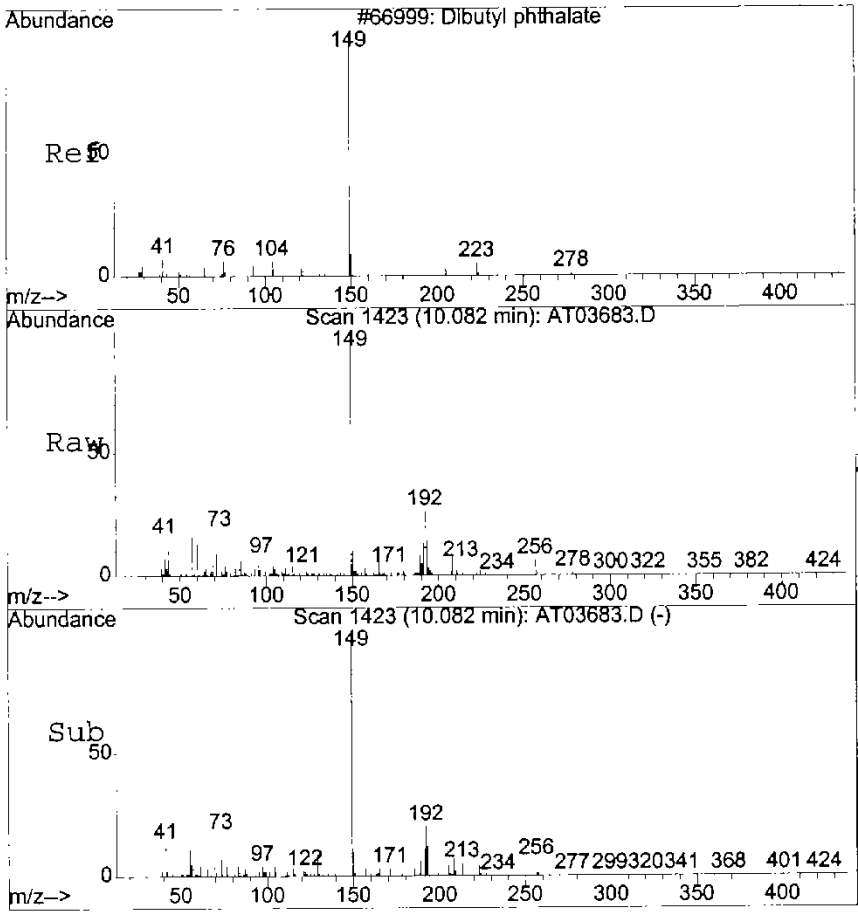


#74
Carbazole
Concen: 224.15 ug/L
RT: 9.70 min Scan# 1352
Delta R.T. 0.01 min
Lab File: AT03683.D
Acq: 25 Feb 2005 6:43 pm

Tgt Ion:167 Resp: 89596

Ion	Ratio	Lower	Upper
167	100		
139	16.3	0.0	41.5

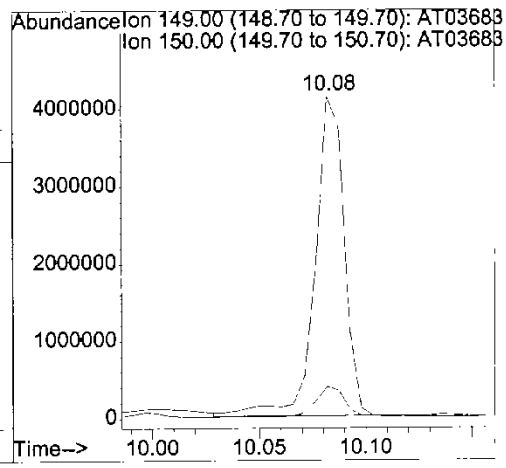


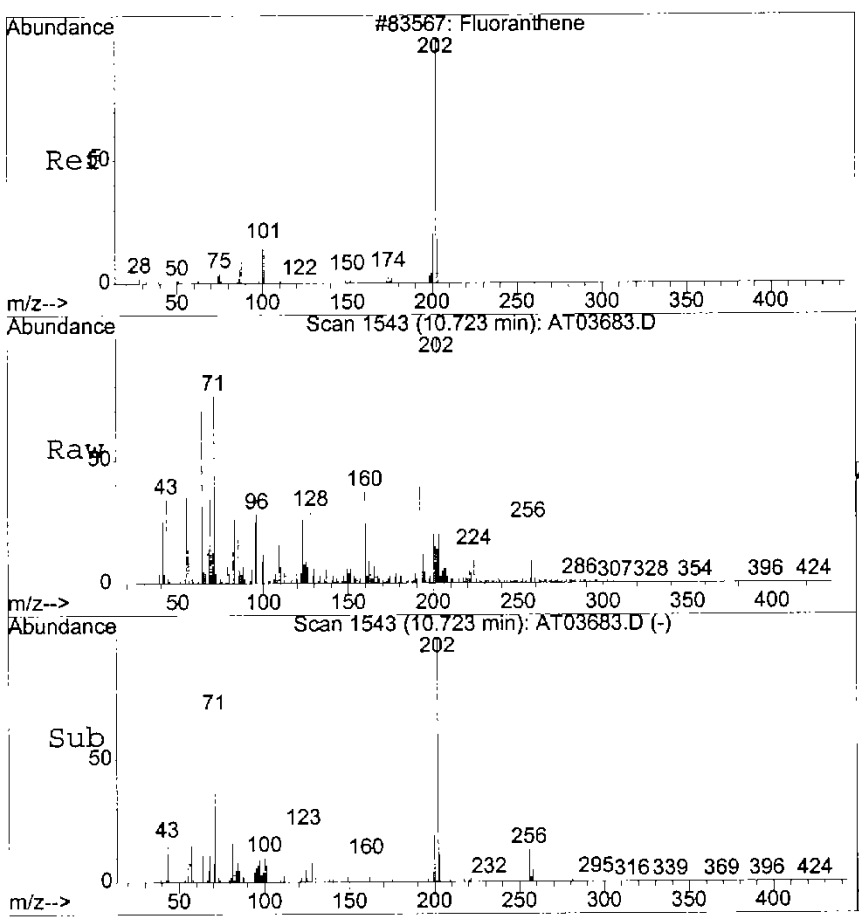


#75
Di-n-butylphthalate
Concen: 5625.73 ug/L
RT: 10.08 min Scan# 1423
Delta R.T. 0.01 min
Lab File: AT03683.D
Acq: 25 Feb 2005 6:43 pm

Tgt Ion:149 Resp: 3936776

Ion	Ratio	Lower	Upper
149	100		
150	9.5	0.0	39.0

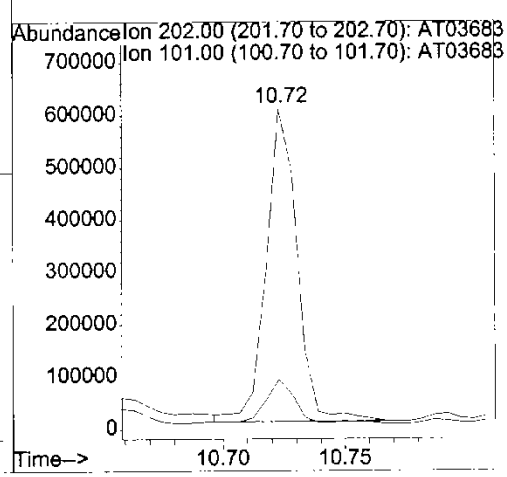


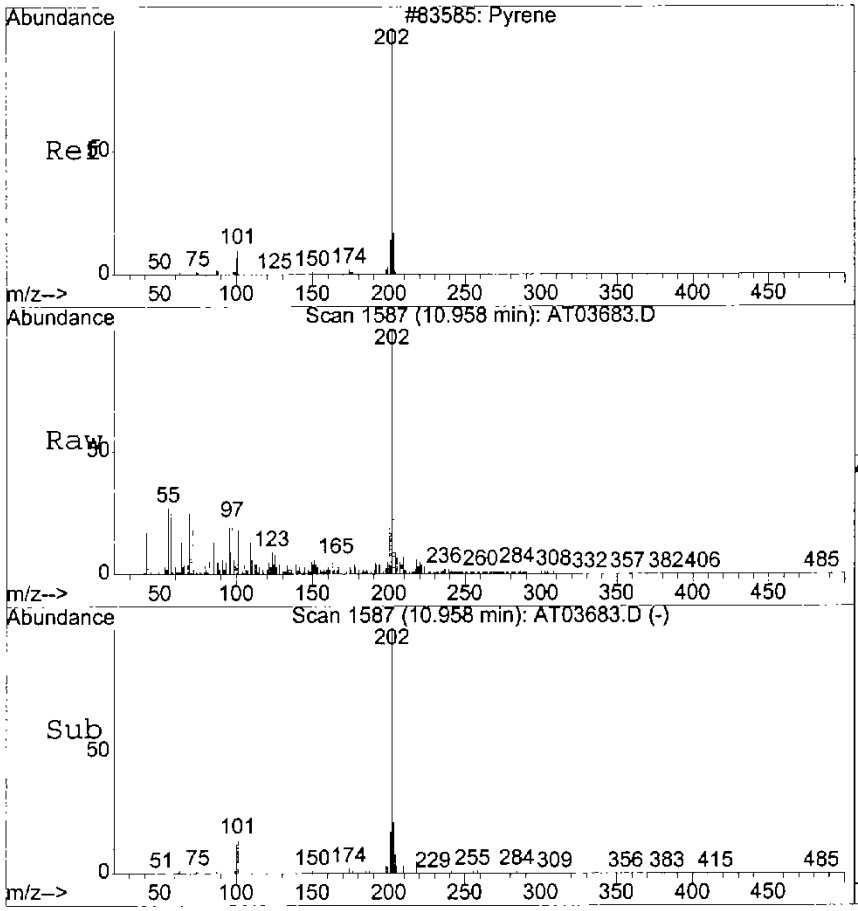


#76
Fluoranthene
Concen: 793.44 ug/L
RT: 10.72 min Scan# 1543
Delta R.T. 0.02 min
Lab File: AT03683.D
Acq: 25 Feb 2005 6:43 pm

Tgt Ion:202 Resp: 527184

Ion	Ratio	Lower	Upper
202	100		
101	13.8	0.0	43.7

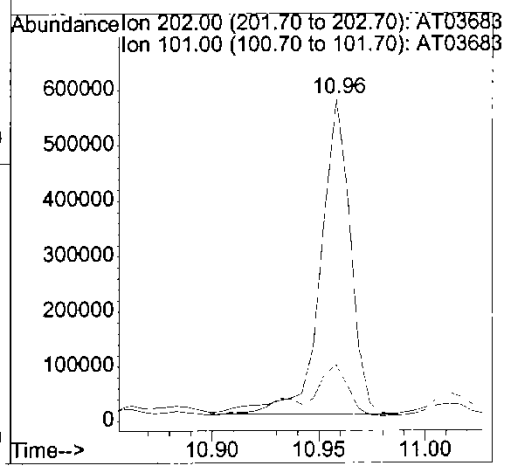


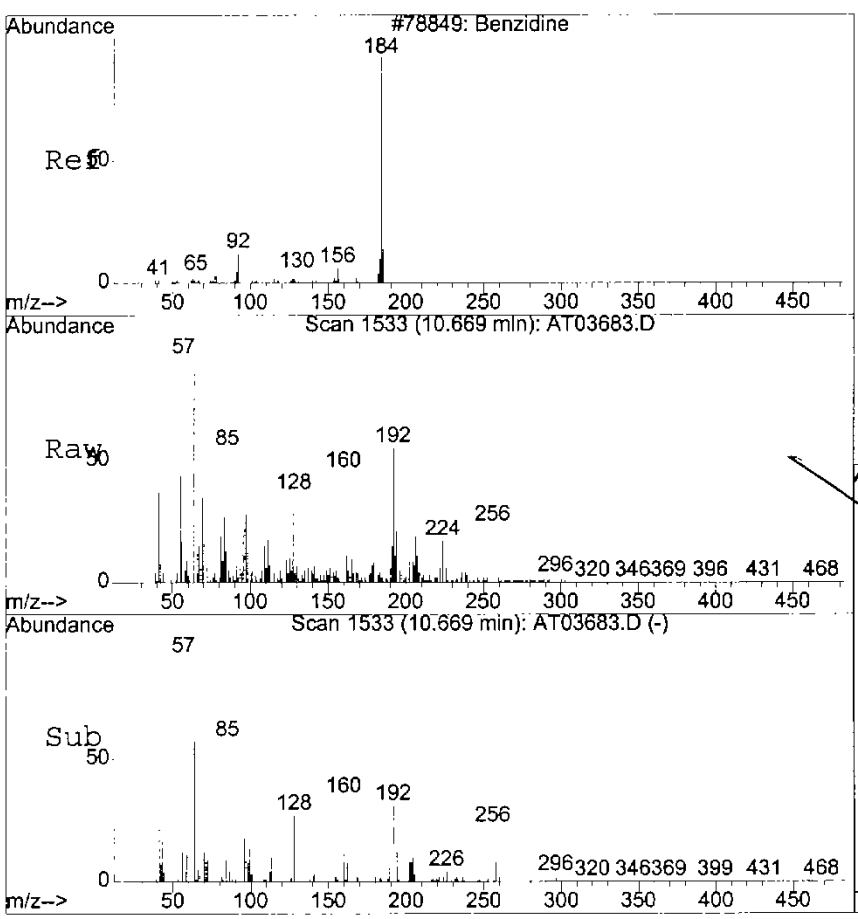


#77
Pyrene
Concen: 823.03 ug/L
RT: 10.96 min Scan# 1587
Delta R.T. 0.01 min
Lab File: AT03683.D
Acq: 25 Feb 2005 6:43 pm

Tgt Ion:202 Resp: 567202

Ion	Ratio	Lower	Upper
202	100		
101	16.2	0.0	45.3

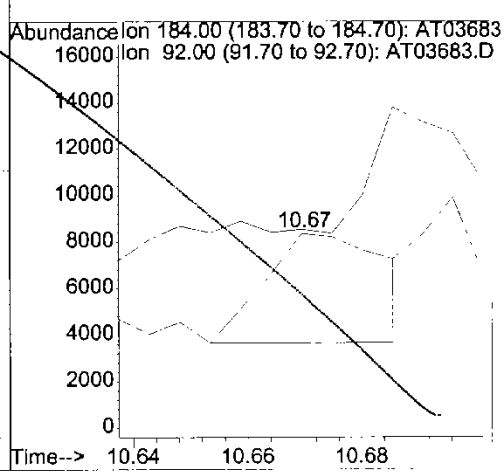


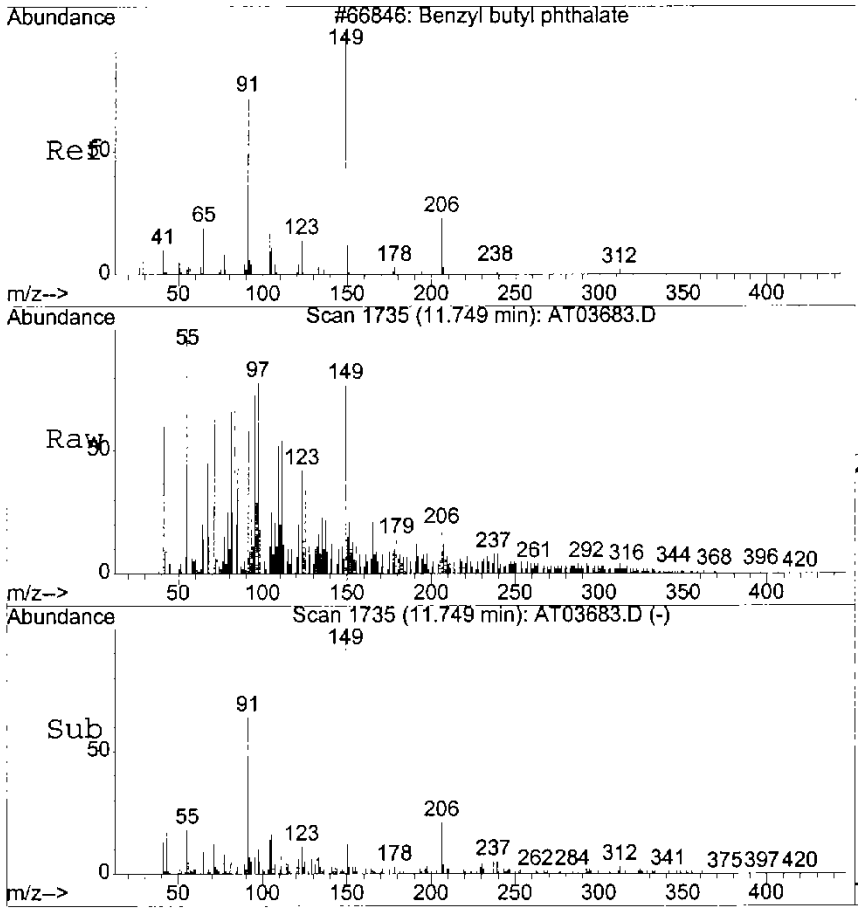


#78
Benzidine
Concen: 72.41 ul/l
RT: 10.67 min Scan# 1533
Delta R.T. -0.21 min
Lab File: AT03683.D
Acq: 25 Feb 2005 6:43 pm

Tgt Ion:184 Resp: 6842

Ion	Ratio	Lower	Upper
184	100		
92	29.9	0.0	38.7

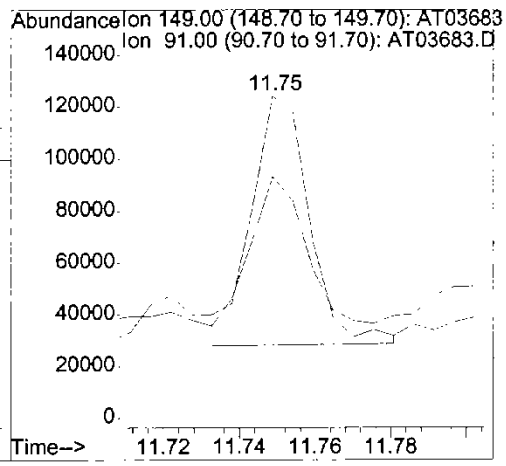


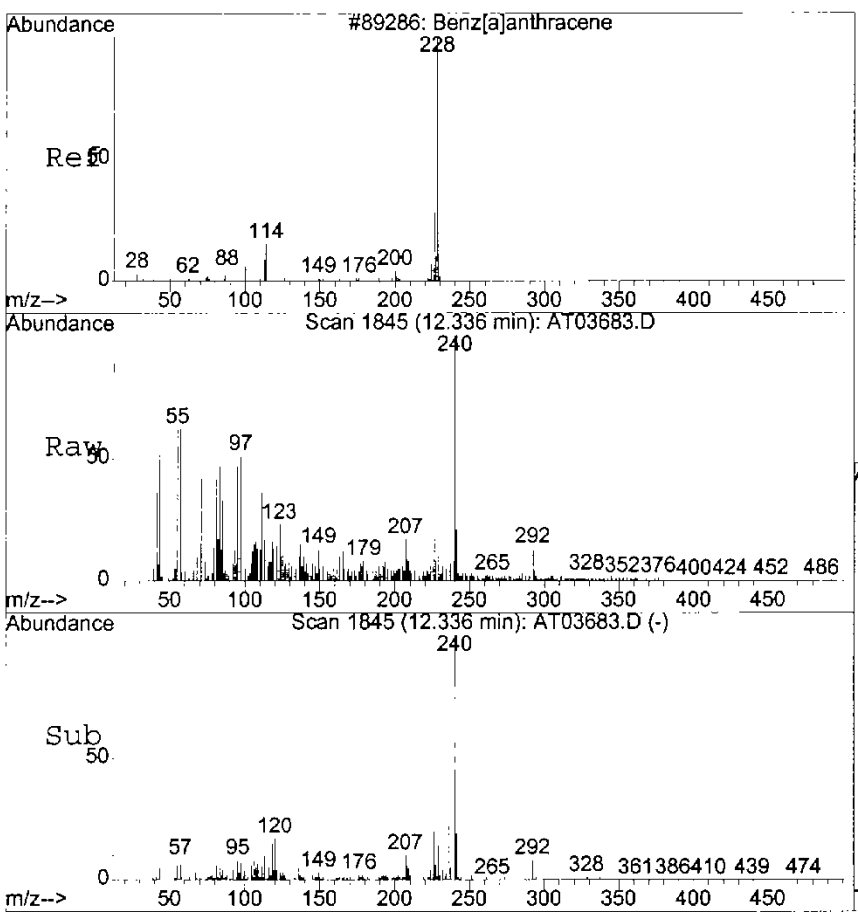


#81
Butylbenzylphthalate
Concen: 342.77 ug/L
RT: 11.75 min Scan# 1735
Delta R.T. 0.01 min
Lab File: AT03683.D
Acq: 25 Feb 2005 6:43 pm

Tgt Ion:149 Resp: 101610

Ion	Ratio	Lower	Upper
149	100		
91	63.0	30.6	90.6

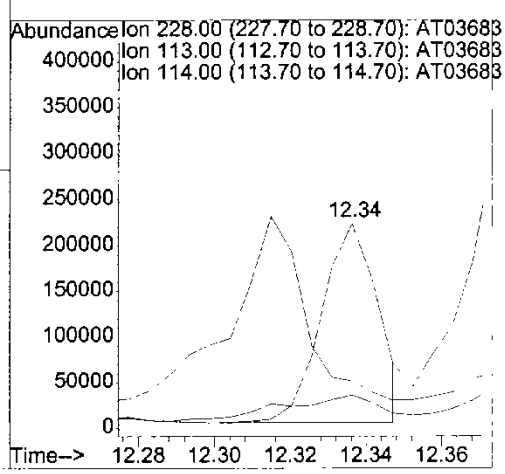


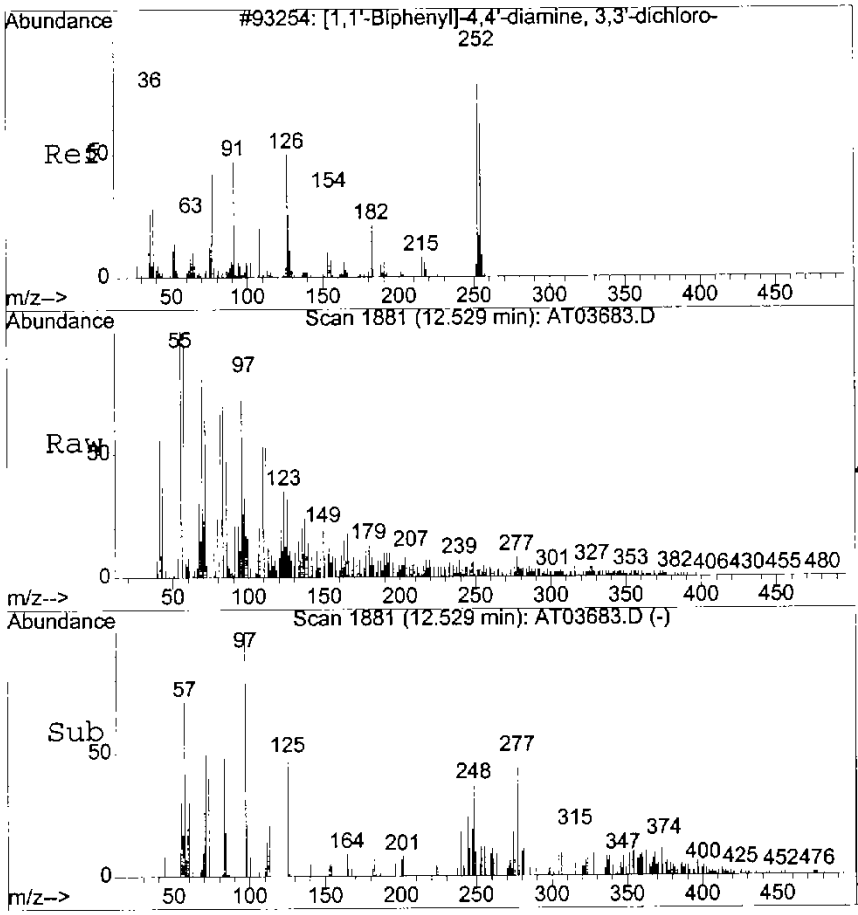


#82
Benzo(a)anthracene
Concen: 306.32 ug/L
RT: 12.34 min Scan# 1845
Delta R.T. 0.02 min
Lab File: AT03683.D
Acq: 25 Feb 2005 6:43 pm

Tgt Ion:228 Resp: 226880

Ion	Ratio	Lower	Upper
228	100		
113	0.0	0.0	41.9
114	12.3	0.0	43.6

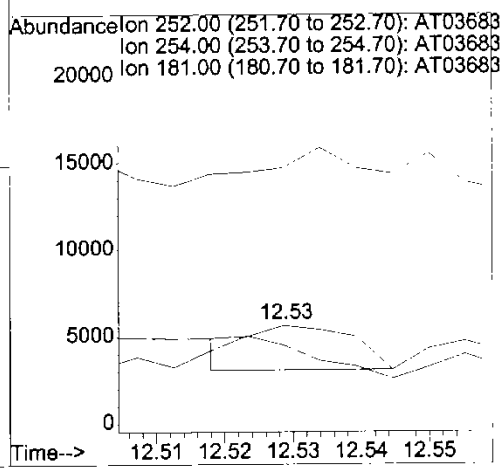


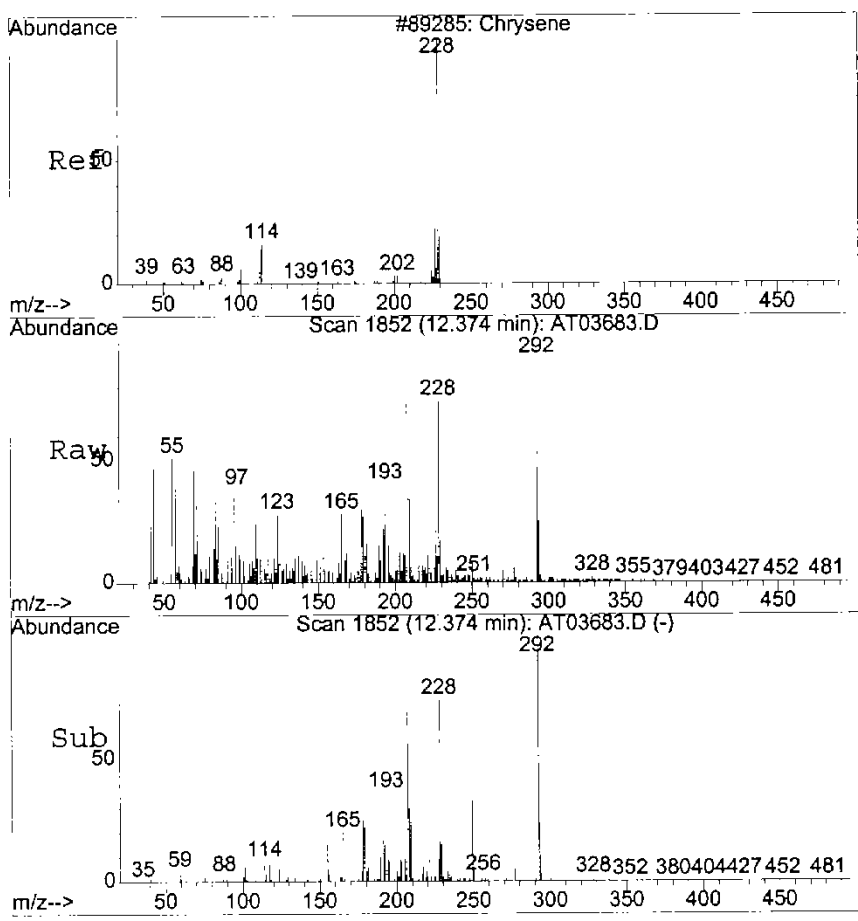


#83
3,3'-Dichlorobenzidine
Concen: 40.44 ug/L
RT: 12.53 min Scan# 1881
Delta R.T. 0.21 min
Lab File: AT03683.D
Acq: 25 Feb 2005 6:43 pm

Tgt Ion:252 Resp: 2782

Ion	Ratio	Lower	Upper
252	100		
254	69.2	32.1	92.1
181	21.1	0.0	37.0

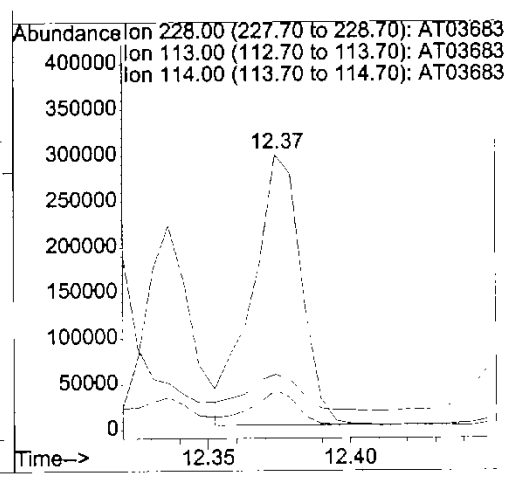


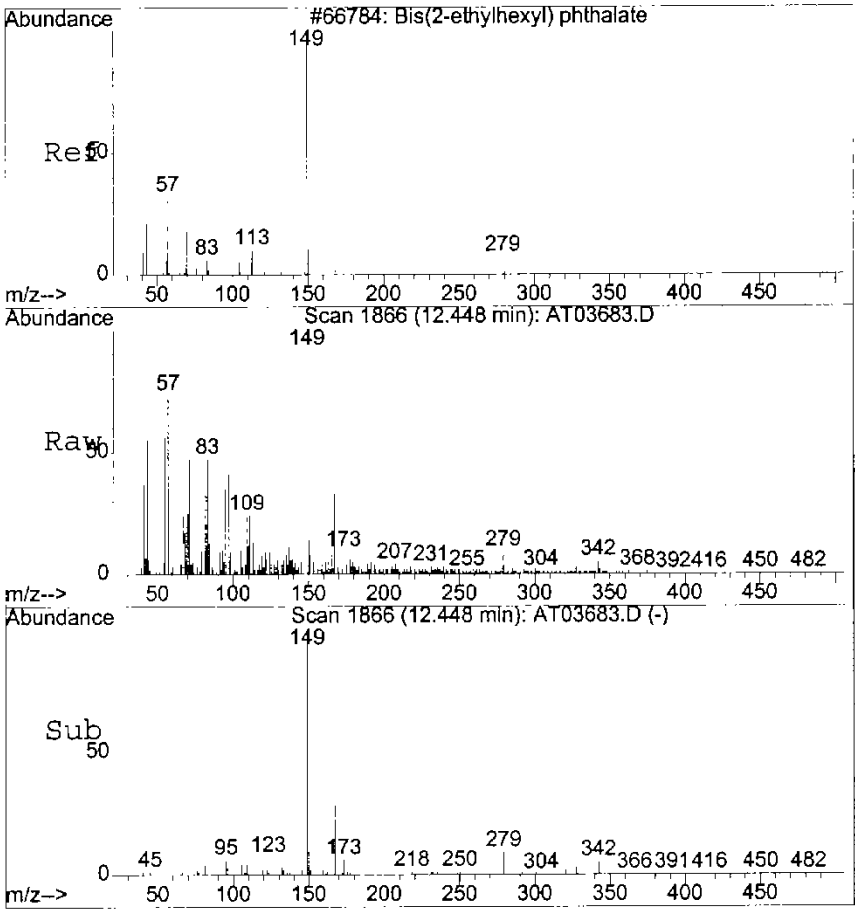


#84
Chrysene
Concen: 454.05 ug/L
RT: 12.37 min Scan# 1852
Delta R.T. 0.01 min
Lab File: AT03683.D
Acq: 25 Feb 2005 6:43 pm

Tgt Ion:228 Resp: 350528

Ion	Ratio	Lower	Upper
228	100		
113	12.7	0.0	41.9
114	12.1	0.0	40.2

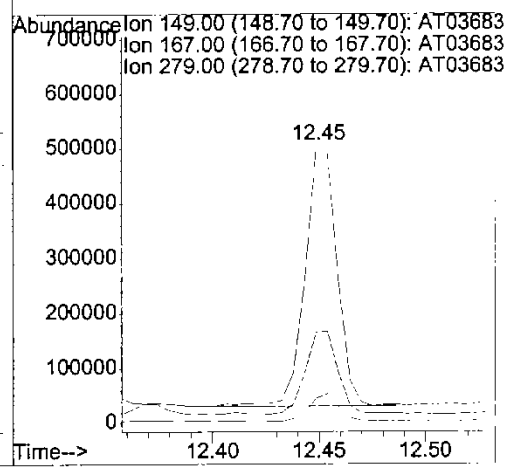


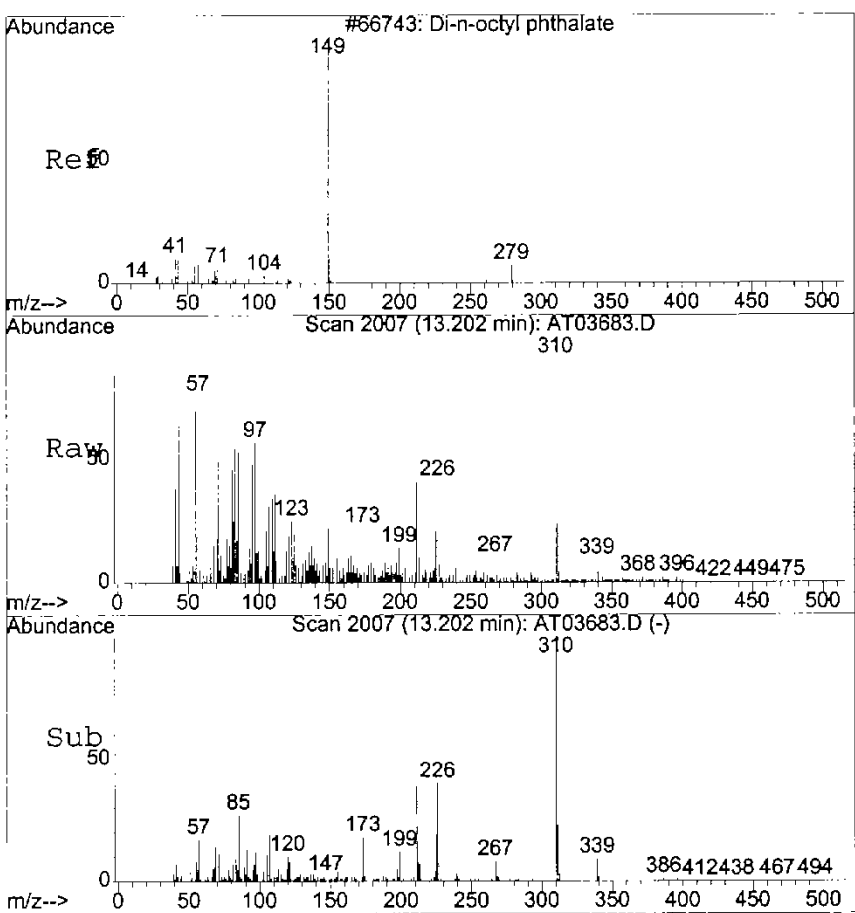


#85
bis(2-Ethylhexyl)phthalate
Concen: 1030.23 ug/L
RT: 12.45 min Scan# 1866
Delta R.T. 0.02 min
Lab File: AT03683.D
Acq: 25 Feb 2005 6:43 pm

Tgt Ion:149 Resp: 492820

Ion	Ratio	Lower	Upper
149	100		
167	31.6	2.4	62.4
279	8.9	0.0	39.0

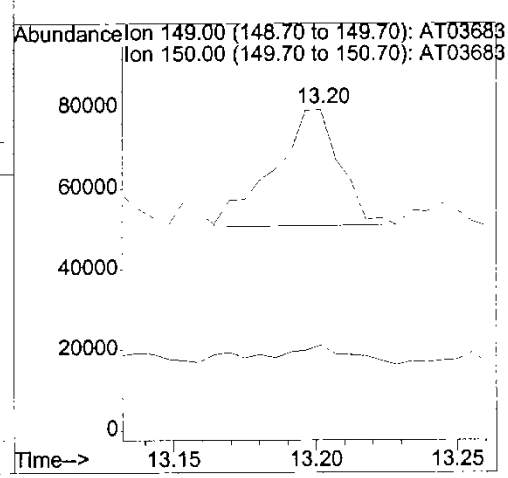


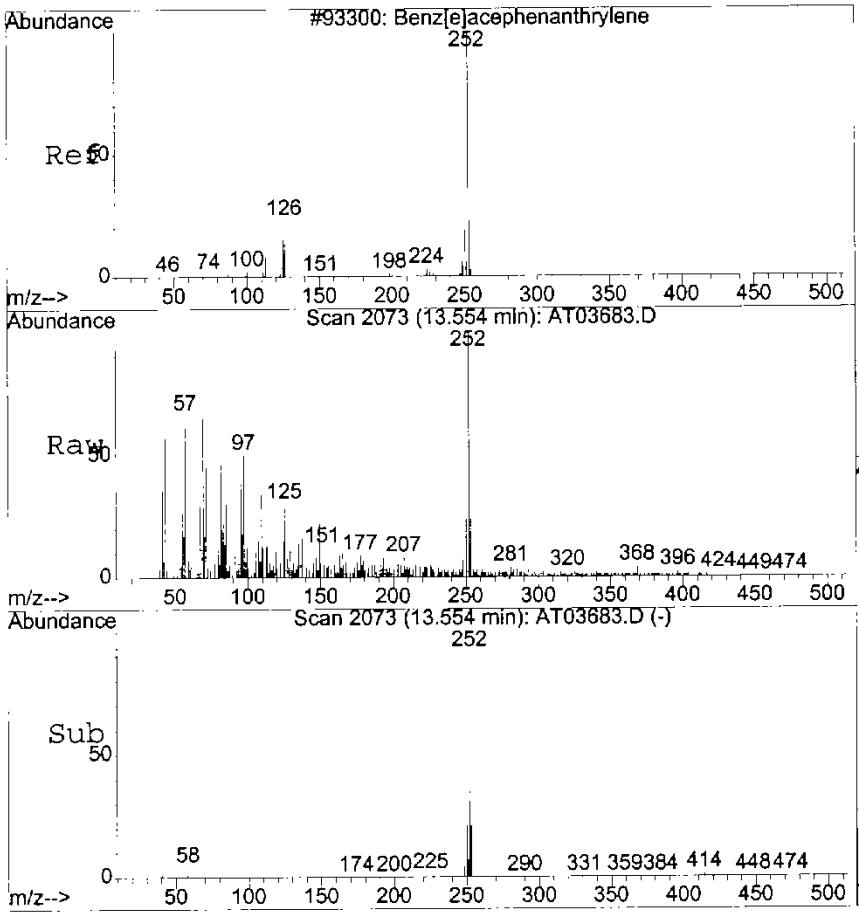


#87
Di-n-octylphthalate
Concen: 65.05 ug/L
RT: 13.20 min Scan# 2007
Delta R.T. 0.05 min
Lab File: AT03683.D
Acq: 25 Feb 2005 6:43 pm

Tgt Ion:149 Resp: 46081

Ion	Ratio	Lower	Upper
149	100		
150	12.7	0.0	39.5

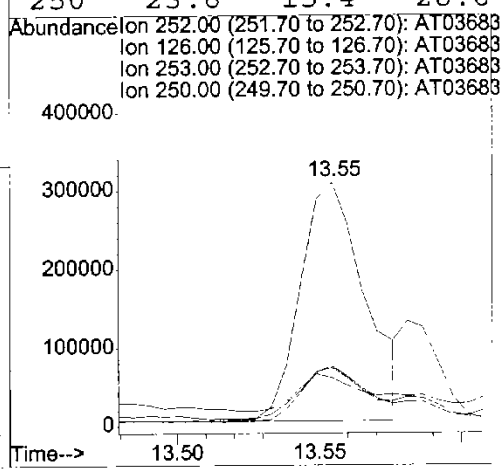


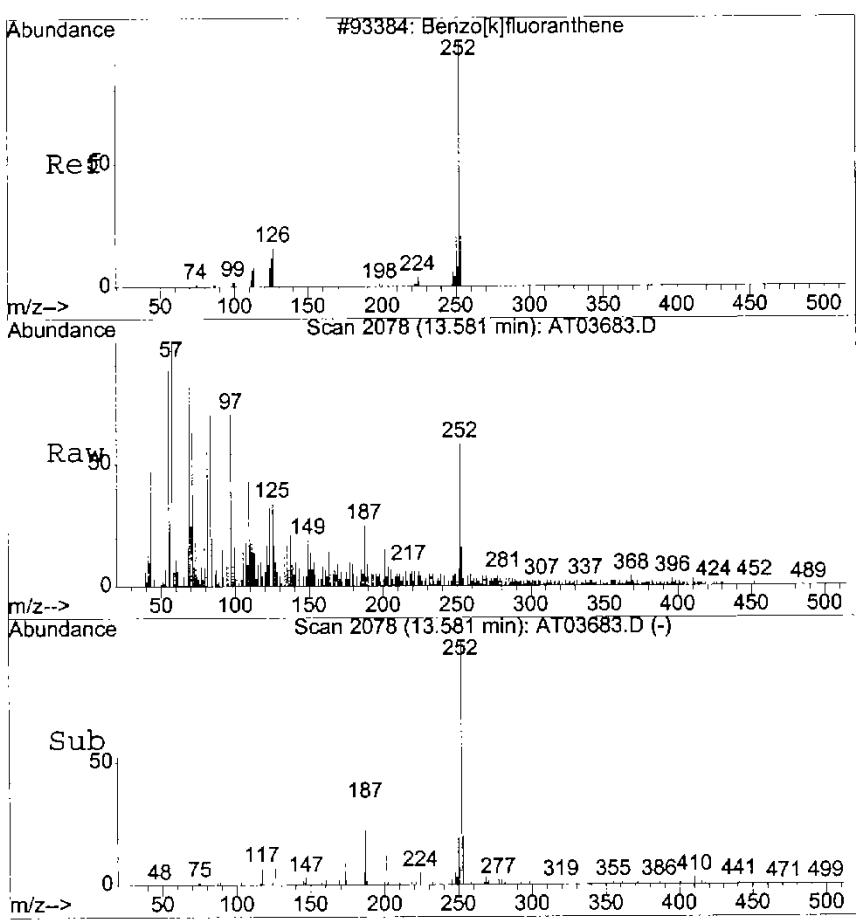


#88
Benzo(b)fluoranthene
Concen: 611.17 ul/l
RT: 13.55 min Scan# 2073
Delta R.T. 0.03 min
Lab File: AT03683.D
Acq: 25 Feb 2005 6:43 pm

Tgt Ion:252 Resp: 480022

Ion	Ratio	Lower	Upper
252	100		
126	12.1	11.5	21.5
253	21.2	15.6	29.0
250	23.6	15.4	28.6

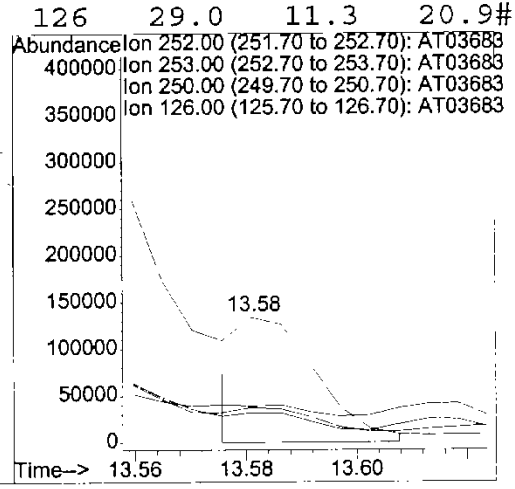


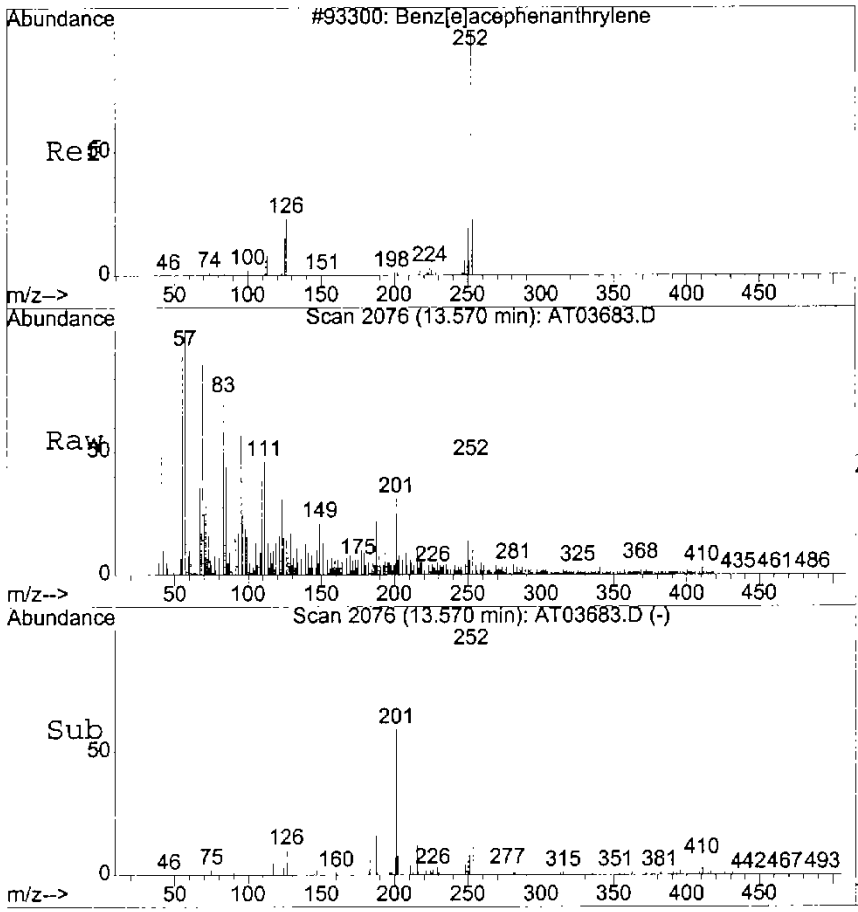


#89
benzo(k)fluoranthene
Concen: 184.87 ul/l m
RT: 13.58 min Scan# 2078
Delta R.T. 0.02 min
Lab File: AT03683.D
Acq: 25 Feb 2005 6:43 pm

Tgt Ion:252 Resp: 129704

Ion	Ratio	Lower	Upper
252	100		
253	27.8	15.2	28.2
250	23.6	15.4	28.6
126	29.0	11.3	20.9#

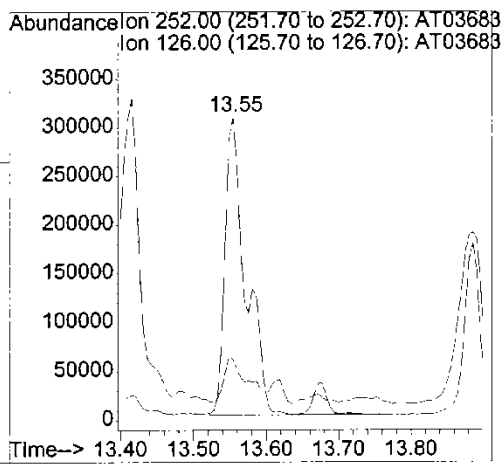


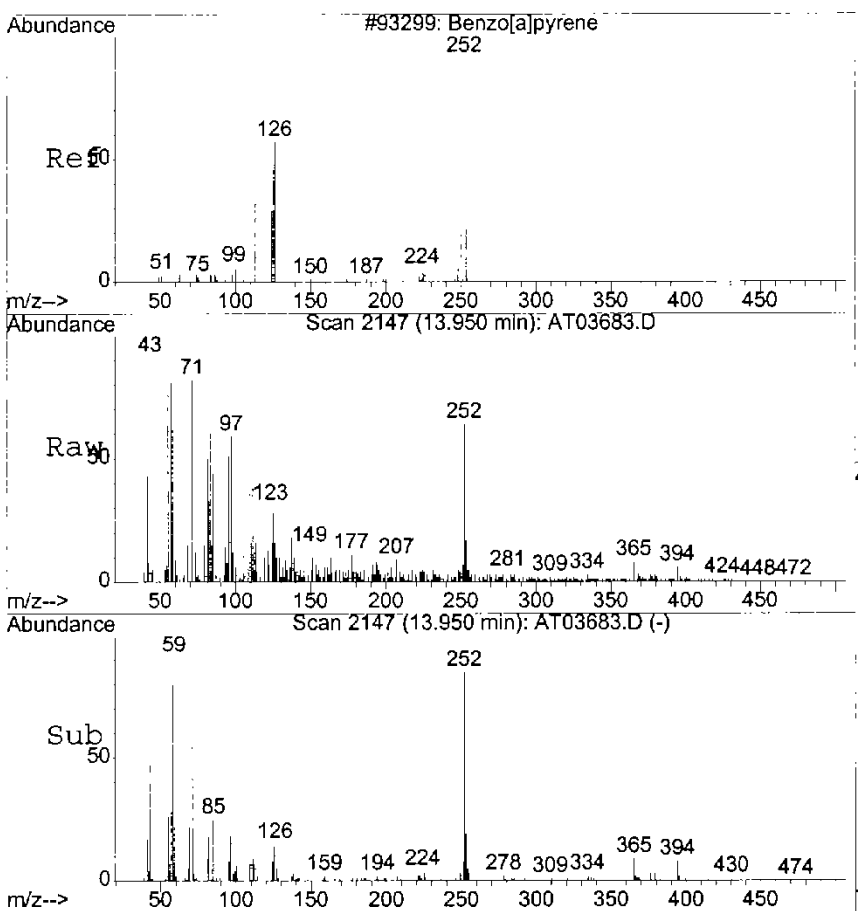


#90
Benzofluoranthenes
Concen: 912.97 ug/L
RT: 13.57 min Scan# 2076
Delta R.T. 0.02 min
Lab File: AT03683.D
Acq: 25 Feb 2005 6:43 pm

Tgt Ion:252 Resp: 648845

Ion	Ratio	Lower	Upper
252	100		
126	18.8	0.0	50.7

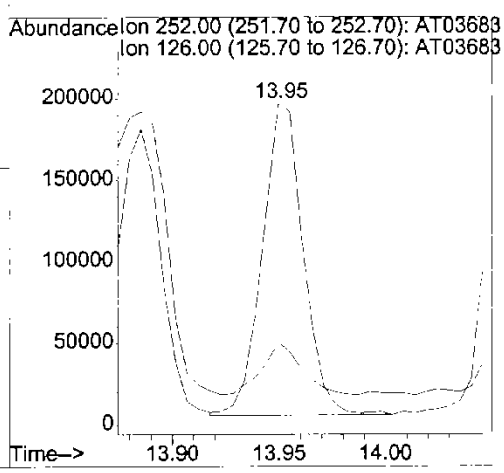


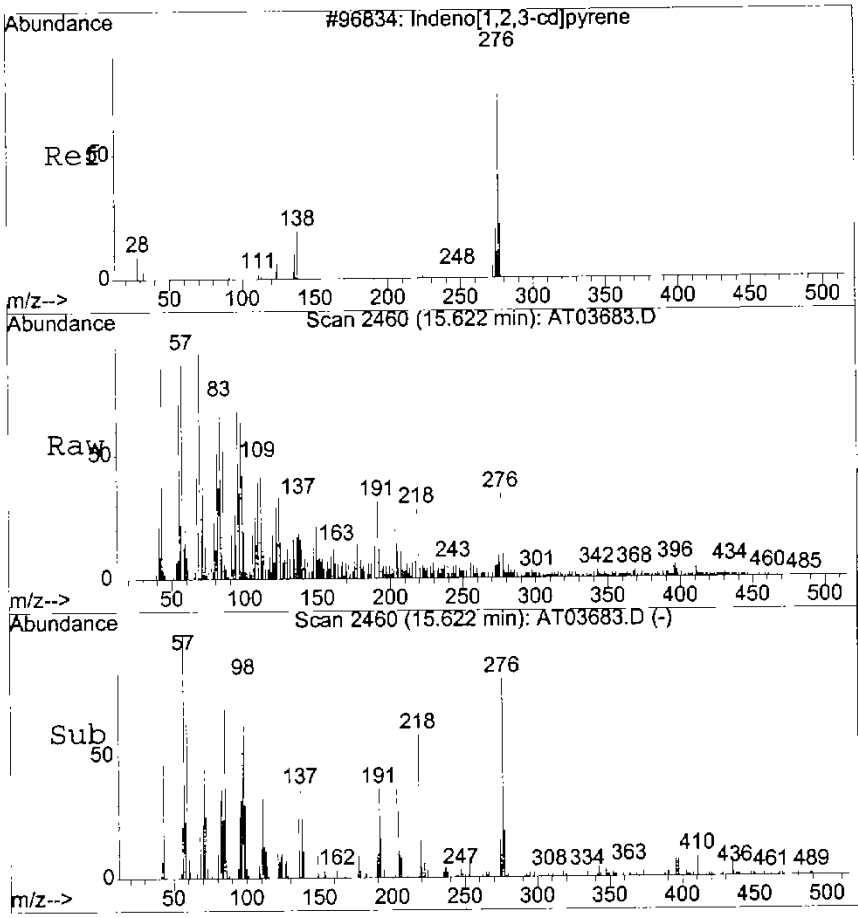


#91
Benzo(a)pyrene
Concen: 416.89 ug/L
RT: 13.95 min Scan# 2147
Delta R.T. 0.03 min
Lab File: AT03683.D
Acq: 25 Feb 2005 6:43 pm

Tgt Ion:252 Resp: 254025

Ion	Ratio	Lower	Upper
252	100		
126	16.0	0.0	44.5

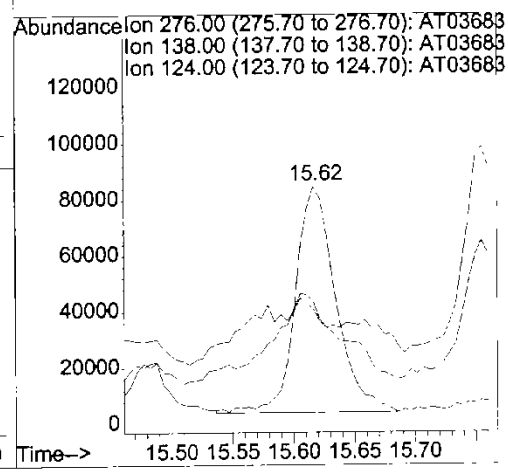


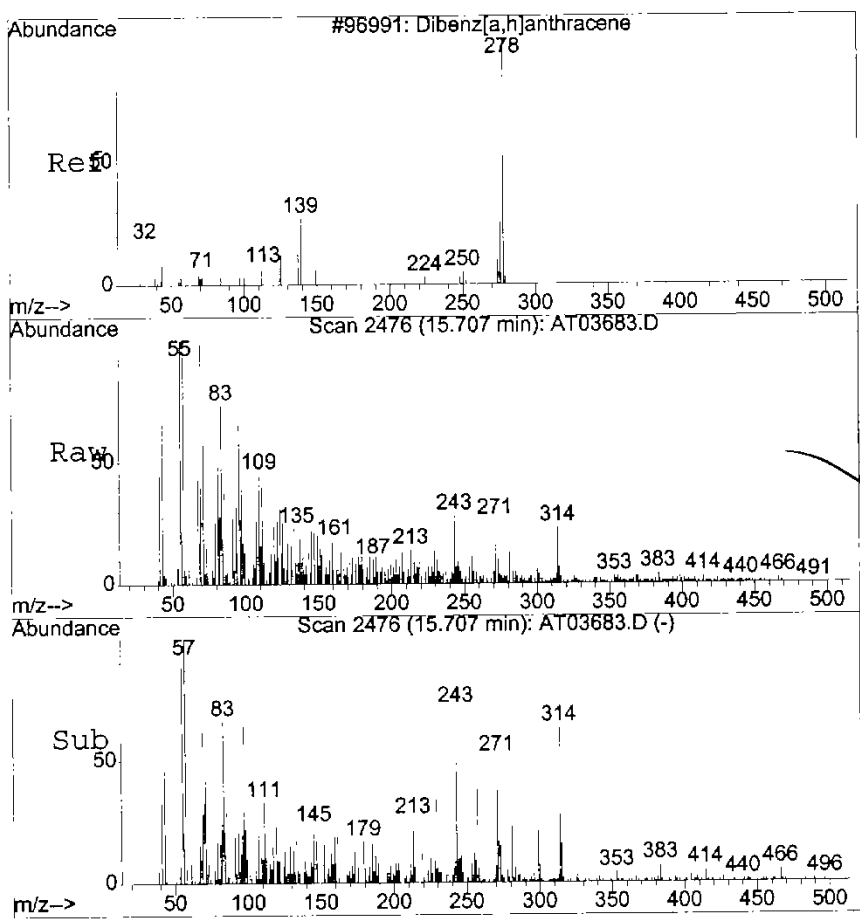


#92
Indeno(1,2,3-cd)pyrene
Concen: 291.17 ug/L
RT: 15.62 min Scan# 2460
Delta R.T. 0.05 min
Lab File: AT03683.D
Acq: 25 Feb 2005 6:43 pm

Tgt Ion:276 Resp: 184225

Ion	Ratio	Lower	Upper
276	100		
138	25.9	0.0	52.0
124	10.8	0.0	35.3

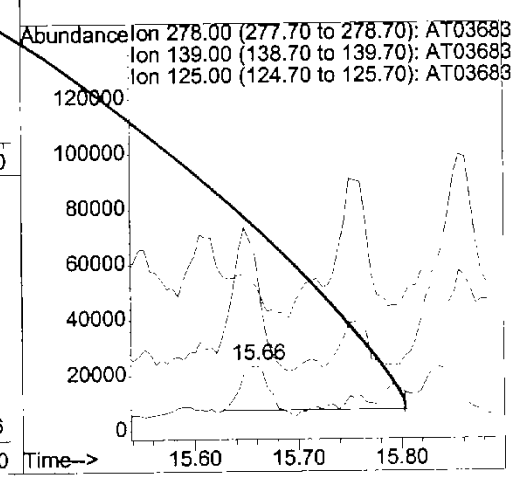


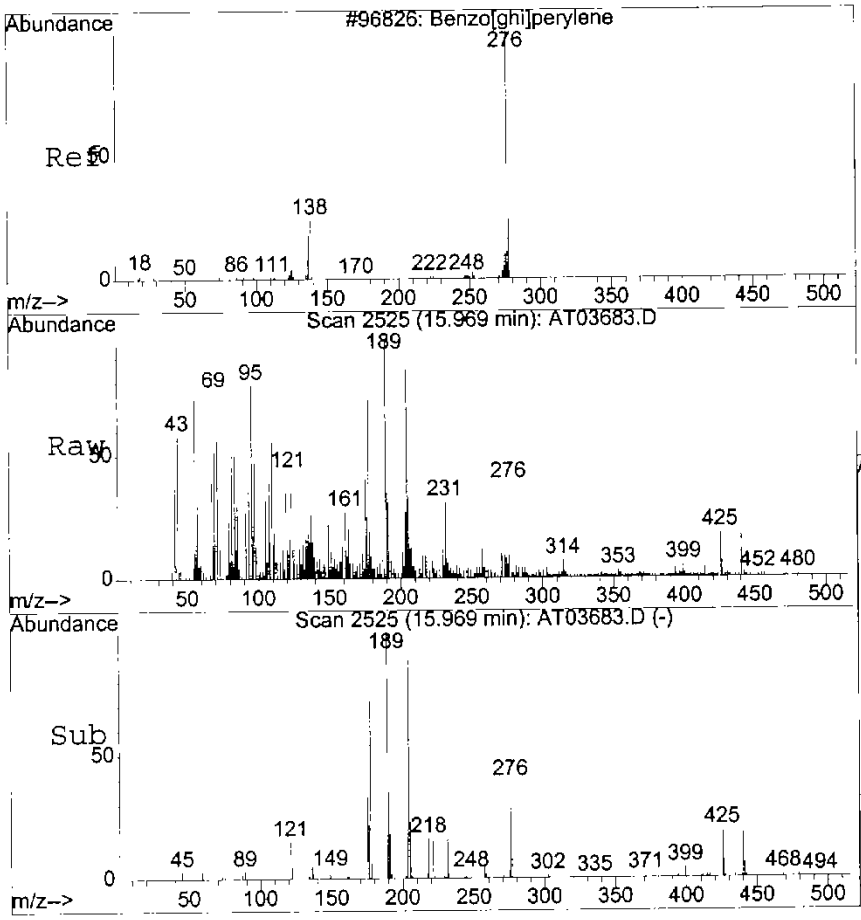


#93
Dibenz(a,h)anthracene
Concen: 79.25 ug/L
RT: 15.71 min Scan# 2476
Delta R.T. 0.10 min
Lab File: AT03683.D
Acq: 25 Feb 2005 6:43 pm

Tgt Ion:278 Resp: 47857

Ion	Ratio	Lower	Upper
278	100		
139	0.0	0.0	46.2
125	0.0	0.0	34.4

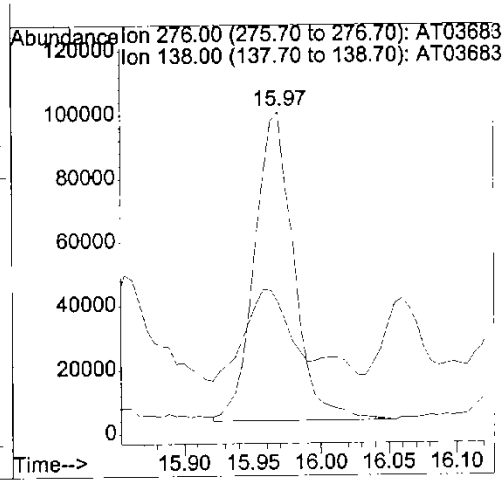




#94
Benzo(g,h,i)perylene
Concen: 283.07 ug/L
RT: 15.97 min Scan# 2525
Delta R.T. 0.07 min
Lab File: AT03683.D
Acq: 25 Feb 2005 6:43 pm

Tgt Ion:276 Resp: 192642

Ion	Ratio	Lower	Upper
276	100		
138	12.7	0.0	53.5

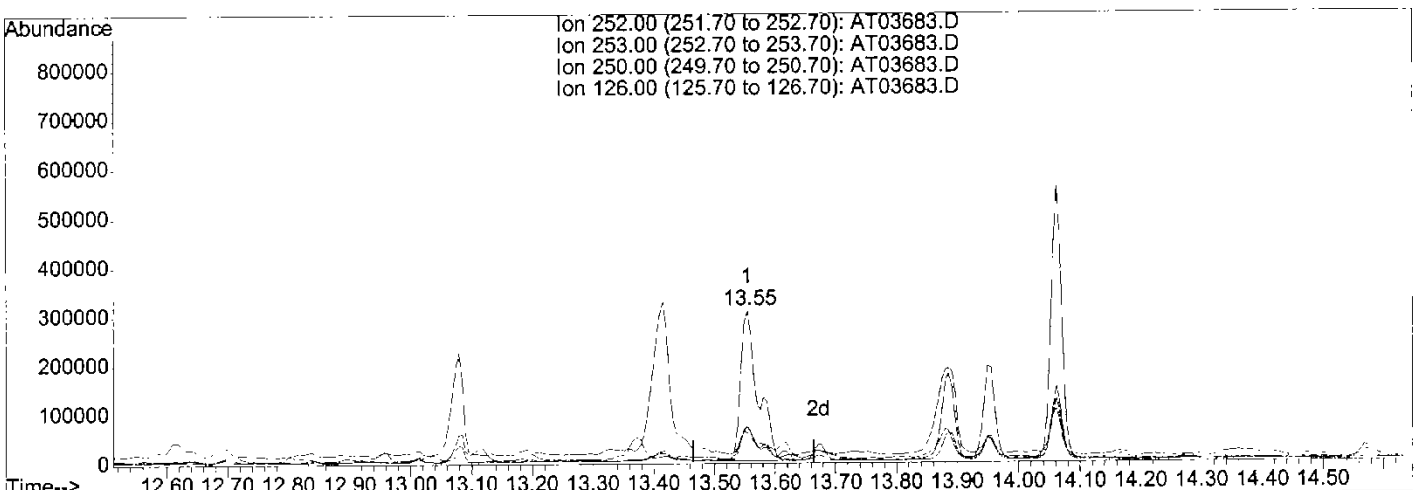


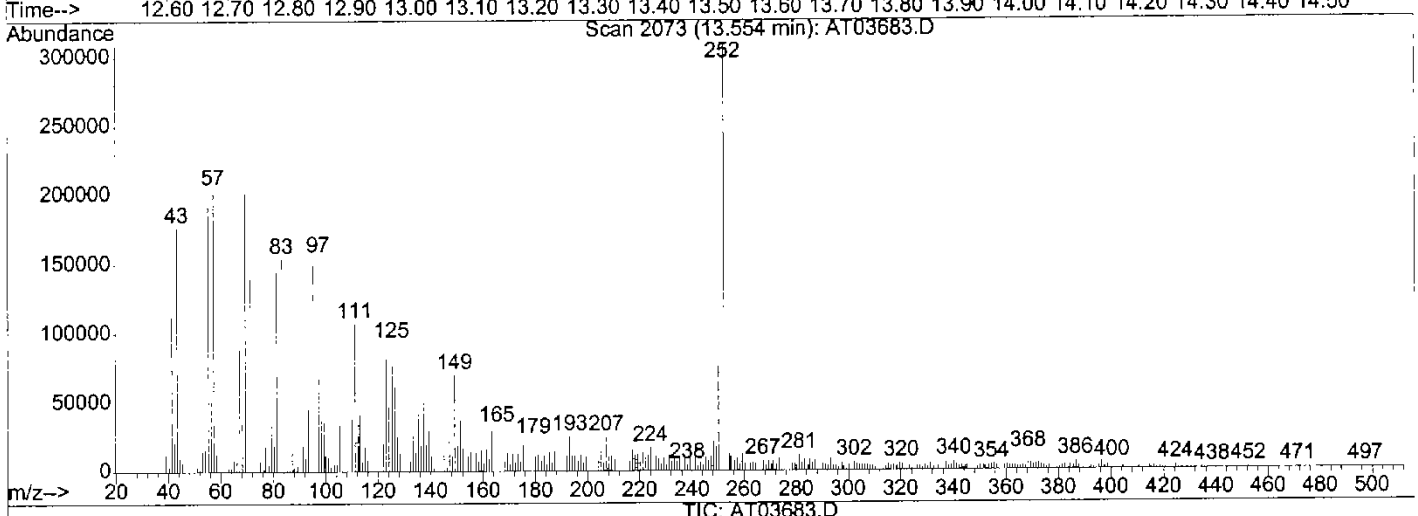
Quantitation Report (Qedit)

Data File : H:\DATA\022505_A\AT03683.D
Acq On : 25 Feb 2005 6:43 pm
Sample : 126377-1 &1
Misc :
MS Integration Params: Rteint.p
Quant Time: Feb 28 10:28 2005

Vial: 24
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: temp.res

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Fri Feb 25 12:17:02 2005
Response via : Multiple Level Calibration





(89) benzo(k)fluoranthene (T)

13.55min 859.51ul/l

response 603036

Ion	Exp%	Act%
252.00	100	100
253.00	21.70	20.51
250.00	22.00	23.20
126.00	16.10	13.93

2/28/05

AT03683.D 8270_022505.M Mon Feb 28 10:47:02 2005 MSD1

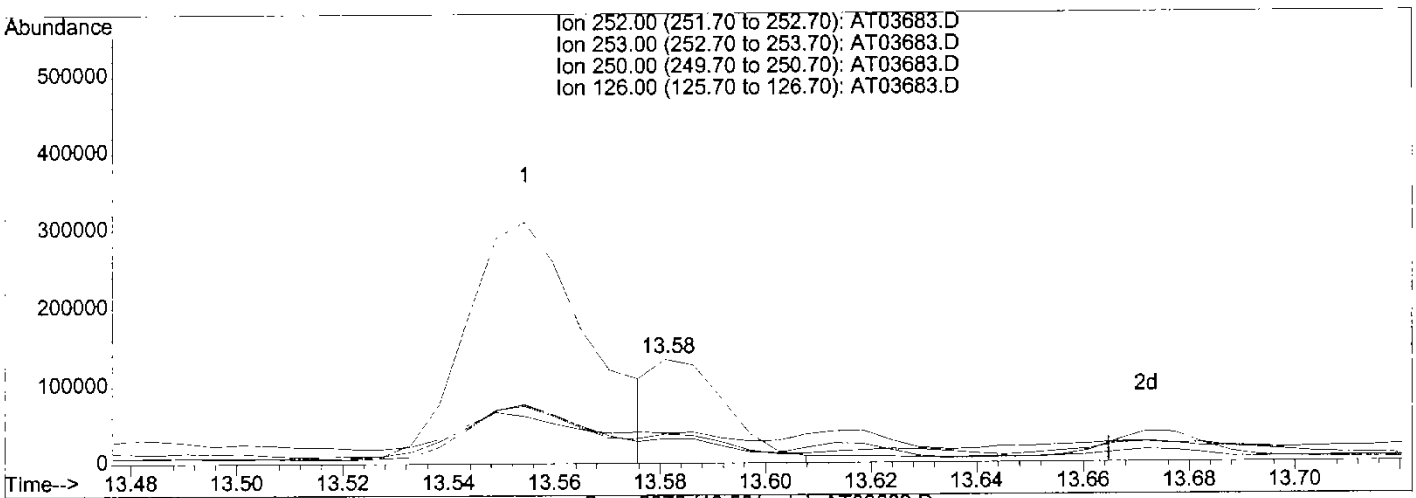
00206

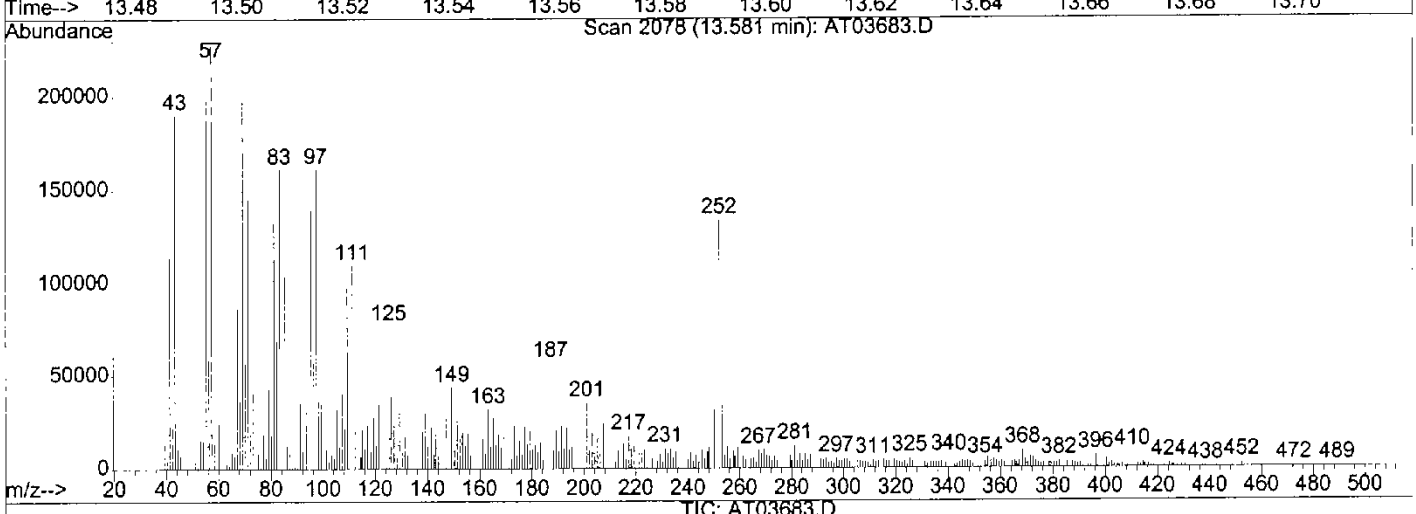
Quantitation Report (Qedit)

Data File : H:\DATA\022505_A\AT03683.D
Acq On : 25 Feb 2005 6:43 pm
Sample : 126377-1 &1
Misc :
MS Integration Params: Rteint.p
Quant Time: Feb 28 10:47 2005

Vial: 24
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: temp.res

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Fri Feb 25 12:17:02 2005
Response via : Multiple Level Calibration





(89) benzo(k)fluoranthene (T)

13.58min 184.87ul/l m

response 129704

Ion	Exp%	Act%
252.00	100	100
253.00	21.70	27.80
250.00	22.00	23.57
126.00	16.10	29.03#

2/28/05

Quantitation Report (QT Reviewed)

Data File : H:\DATA\030105_A\AT03701.D
Acq On : 1 Mar 2005 2:15 pm
Sample : 126377-1 &1
Misc :
MS Integration Params: Rteint.p
Quant Time: Mar 01 14:42:42 2005

Vial: 15
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: 8270_022505.RES

Quant Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Feb 28 14:16:48 2005
Response via : Initial Calibration
DataAcq Meth : 8270EXT

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4 (I)	5.42	152	250072	1000.000 ug/L	0.00
23) Naphthalene - d8 (I)	6.54	136	960682	1000.000 ug/L	0.00
39) Acenaphthene - d10 (I)	8.00	162	495867	1000.000 ug/L	0.00
63) Phenanthrene - d10 (I)	9.31	188	904306	1000.000 ug/L	0.00
80) Chrysene - d12 (I)	12.17	240	896200	1000.000 ul/l	0.00
86) Perylene - d12 (I)	13.81	264	774143	1000.000 ug/L	0.02
System Monitoring Compounds					
4) 2 - Fluorophenol (S)	4.15	112	120308	574.58 ug/L	0.00
8) Phenol - d5 (S)	5.13	99	168550	715.20 ug/L	0.00
24) Nitrobenzene - d5 (S)	5.93	82	73623	373.77 ug/L	0.00
44) 2 - Fluorobiphenyl (S)	7.45	172	187279	350.03 ug/L	0.00
66) 2,4,6 - Tribromophenol (S)	8.67	330	61727	702.88 ug/L	0.00
79) p - Terphenyl - d14 (S)	11.00	244	392045	716.05 ug/L	0.00
Target Compounds					Qvalue
5) Cyclohexanone	4.41	55	2410	14.691 ul/L	77
6) Benzaldehyde	5.03	105	63815	337.041 ul/L	94
7) Aniline	5.15	93	14943	82.076 ug/L	86
9) Phenol	5.15	94	31659	125.992 ug/L	76
15) Benzyl alcohol	5.58	79	20696	154.332 ug/L	91
19) 3-&4-Methylphenol	5.83	108	11503	80.581 ug/L	90
27) 2-Nitrophenol	6.22	139	2240	20.422 ug/L	90
30) Benzoic Acid	6.36	105	95501	1231.172 ug/L	93
31) 2,4-Dichlorophenol	6.36	162	1260	7.824 ug/L	72
33) Naphthalene	6.56	128	30784	41.519 ug/L	96
34) 4-Chloroaniline	6.67	127	1594	11.016 ug/L	65
37) 2-Methylnaphthalene	7.14	141	84961	216.272 ug/L	95
38) 1-Methylnaphthalene	7.22	141	65267	159.458 ul/l	91
46) Biphenyl	7.53	154	25048	45.061 ul/L	100
48) Dimethylphthalate	7.80	163	6104	13.108 ug/L	22
49) Acenaphthylene	7.89	152	16305	23.842 ug/L	93
51) 3-Nitroaniline	7.99	138	697	Below Cal #	12
52) Acenaphthene	8.03	153	19770	43.934 ug/L	96
53) 2,4-Dinitrophenol	8.07	184	1484	371.841 ug/L	51
55) Dibenzofuran	8.17	168	13957	23.152 ug/L	65
56) 2,4-Dinitrotoluene	8.18	165	2760	49.444 ug/L	83
59) Diethylphthalate	8.38	149	44817	91.002 ug/L	96
60) Fluorene	8.46	166	30912	66.629 ug/L	97
62) 4-Nitroaniline	8.50	138	8860	133.594 ug/L	99
71) Phenanthrene	9.33	178	196563	266.609 ug/L	99
72) Anthracene	9.38	178	31551	47.184 ug/L	93

(#) = qualifier out of range (m) = manual integration

00208

Quantitation Report (QT Reviewed)

Data File : H:\DATA\030105_A\AT03701.D
Acq On : 1 Mar 2005 2:15 pm
Sample : 126377-1 &1
Misc :
MS Integration Params: Rteint.p
Quant Time: Mar 01 14:42:42 2005

Vial: 15
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: 8270_022505.RES

Quant Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Feb 28 14:16:48 2005
Response via : Initial Calibration
DataAcq Meth : 8270EXT

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
73)	Octadecane	9.24	57	55173	257.869	ul/L	86
74)	Carbazole	9.55	167	23001	50.811	ug/L	94
75)	Di-n-butylphthalate	9.93	149	3709808	4681.062	ug/L	99
76)	Fluoranthene	10.55	202	341885	454.343	ug/L	97
77)	Pyrene	10.79	202	331634	424.905	ug/L	92
81)	Butylbenzylphthalate	11.59	149	80631	316.257	ug/L	99
82)	Benzo(a)anthracene	12.16	228	181574m	278.900	ug/L	
84)	Chrysene	12.20	228	250193	368.698	ug/L	96
85)	bis(2-Ethylhexyl)phthalate	12.29	149	409774	974.543	ug/L	100
87)	Di-n-octylphthalate	12.97	149	11474	19.127	ug/L	87
88)	Benzo(b)fluoranthene	13.36	252	335628	506.791	ul/l	96
89)	benzo(k)fluoranthene	13.38	252	92105m	155.012	ul/l	
90)	Benzofluoranthenes	13.37	252	425103	706.297	ug/L	87
91)	Benzo(a)pyrene	13.73	252	195876	379.578	ug/L	89
92)	Indeno(1,2,3-cd)pyrene	15.33	276	145642	273.090	ug/L	88
93)	Dibenz(a,h)anthracene	15.38	278	28600	59.644	ug/L	46
94)	Benzo(g,h,i)perylene	15.70	276	145630	252.676	ug/L	97

(#) = qualifier out of range (m) = manual integration

00209

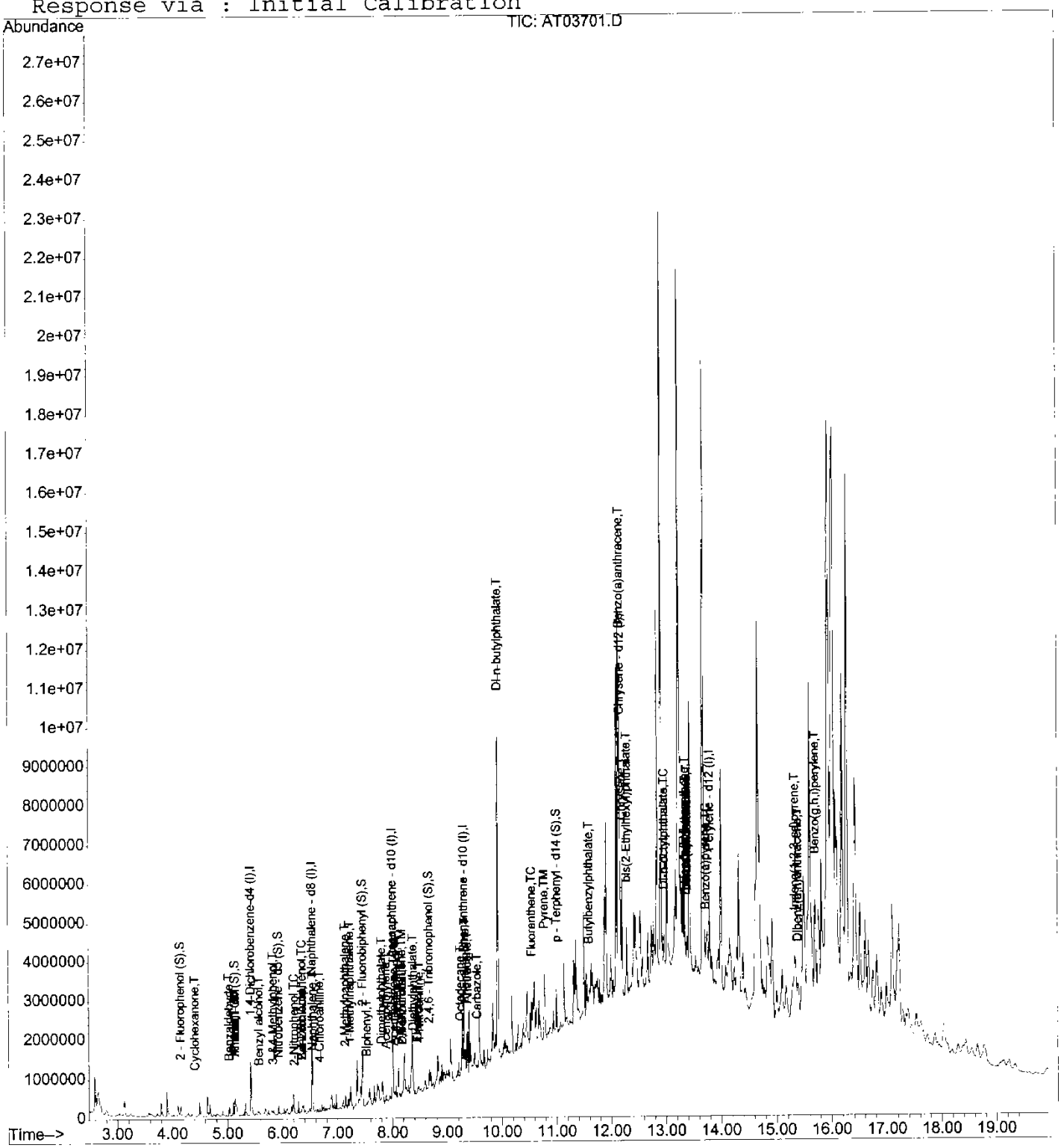
Quantitation Report (Q1 Reviewed)

Data File : H:\DATA\030105_A\AT03701.D
Acq On : 1 Mar 2005 2:15 pm
Sample : 126377-1 &1
Misc :
MS Integration Params: Rteint.p
Quant Time: Mar 2 8:05 2005

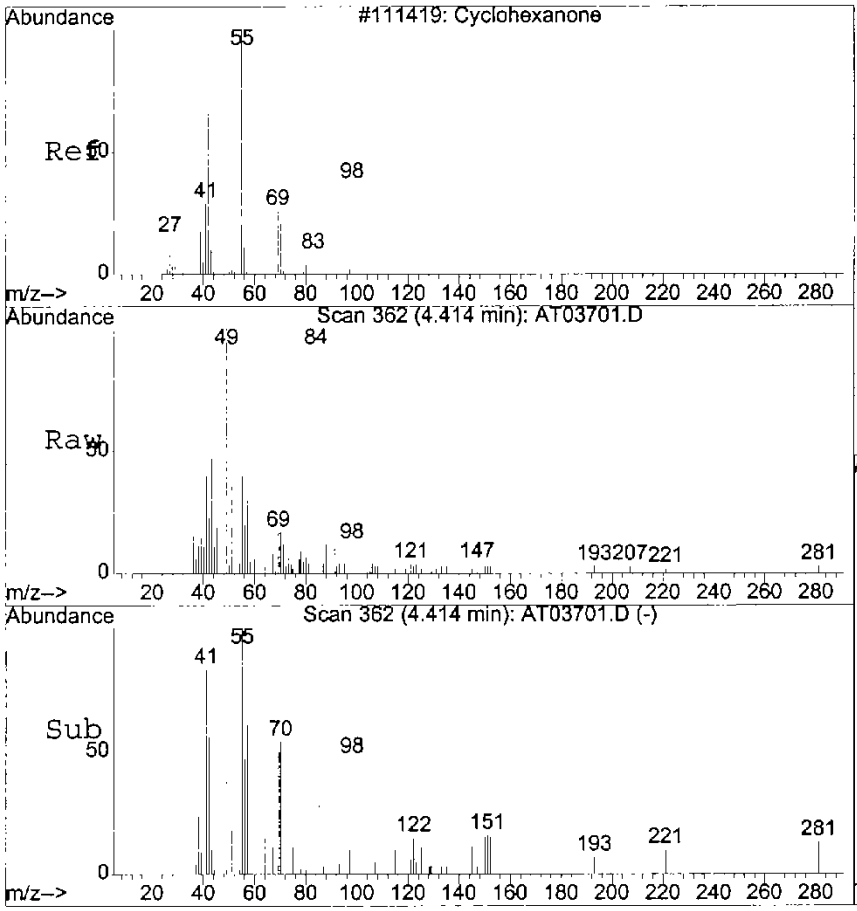
Vial: 15
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00

Quant Results File: 8270_022505.

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Feb 28 14:16:48 2005
Response via : Initial Calibration



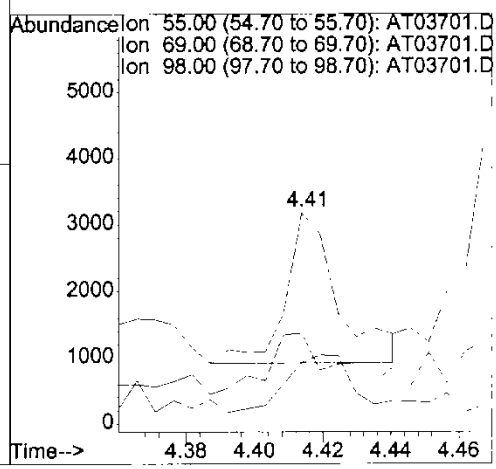
00210

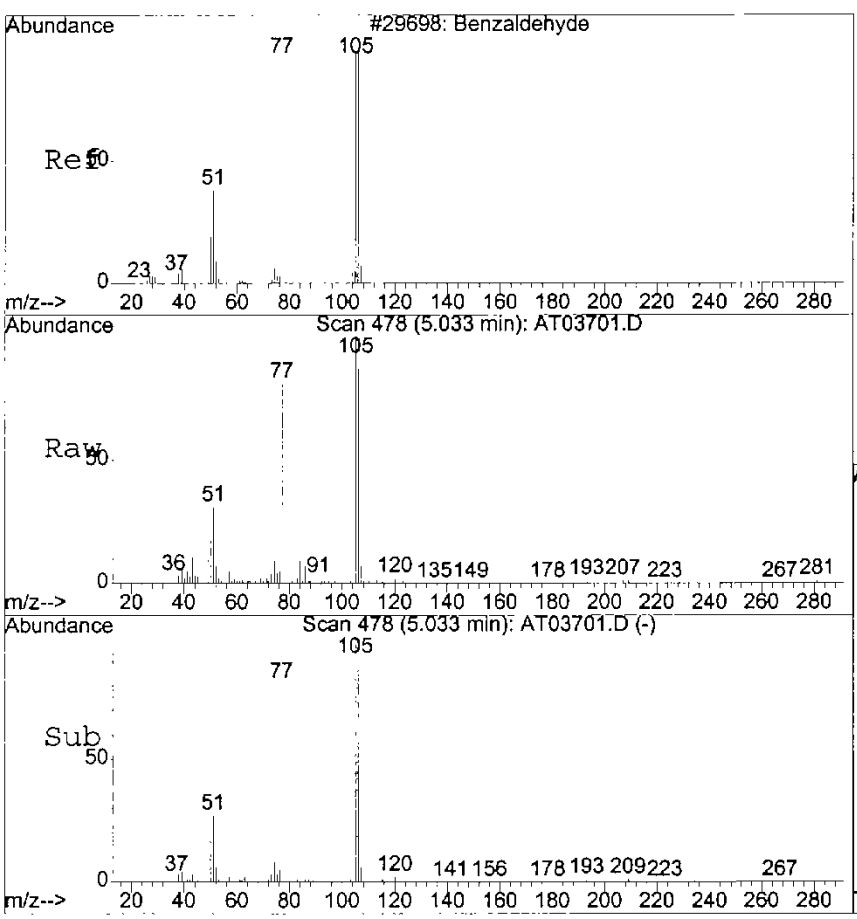


#5
Cyclohexanone
Concen: 14.69 ul/L
RT: 4.41 min Scan# 362
Delta R.T. -0.06 min
Lab File: AT03701.D
Acq: 1 Mar 2005 2:15 pm

Tgt Ion: 55 Resp: 2410

Ion	Ratio	Lower	Upper
55	100		
69	35.3	4.6	64.6
98	28.3	24.8	84.8

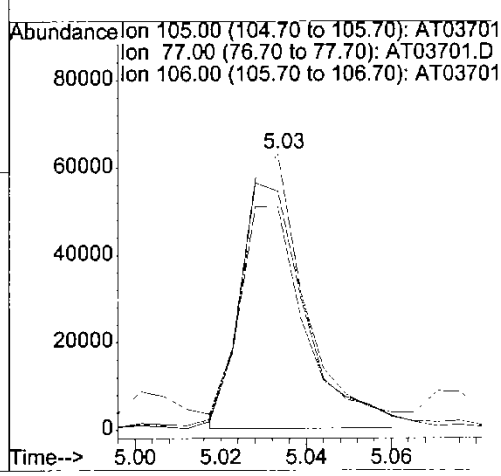




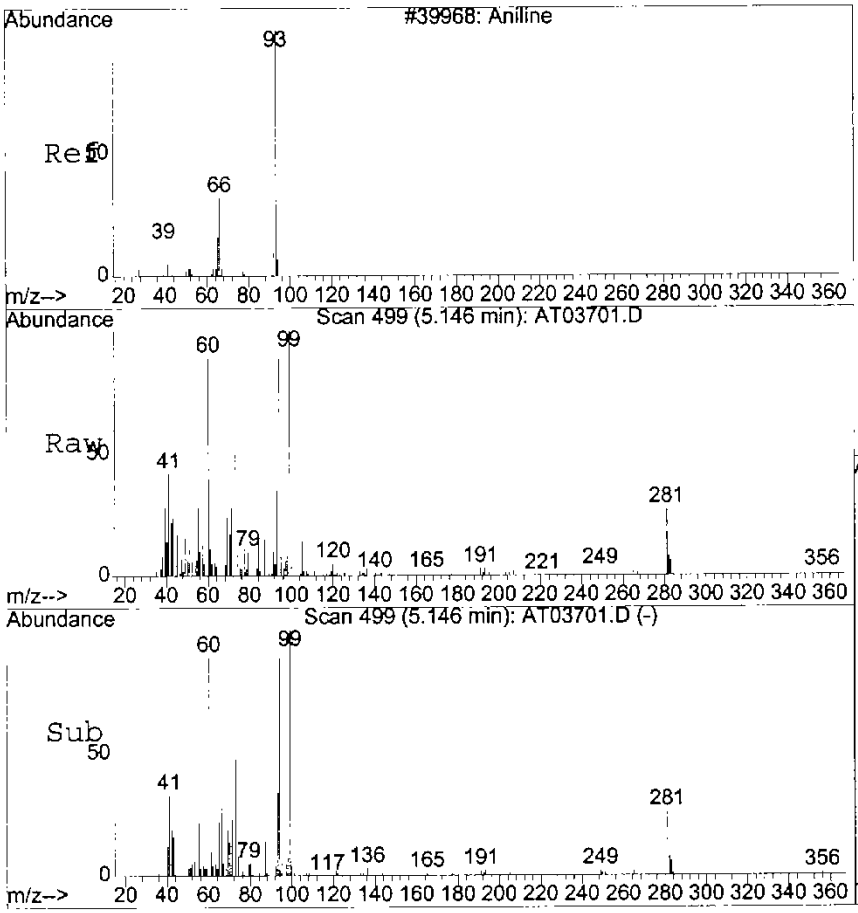
#6
Benzaldehyde
Concen: 337.04 ul/L
RT: 5.03 min Scan# 478
Delta R.T. -0.02 min
Lab File: AT03701.D
Acq: 1 Mar 2005 2:15 pm

Tgt Ion:105 Resp: 63815

Ion	Ratio	Lower	Upper
105	100		
77	89.3	63.9	123.9
106	95.0	72.0	132.0



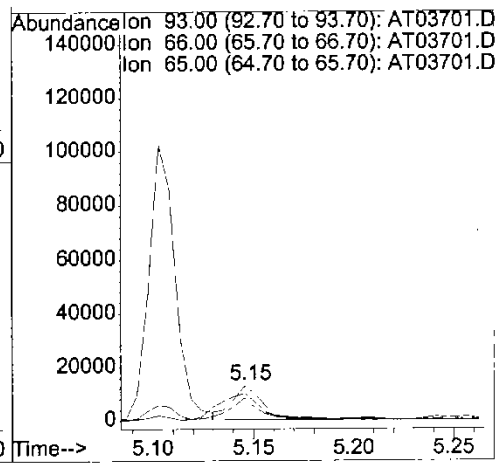
00211

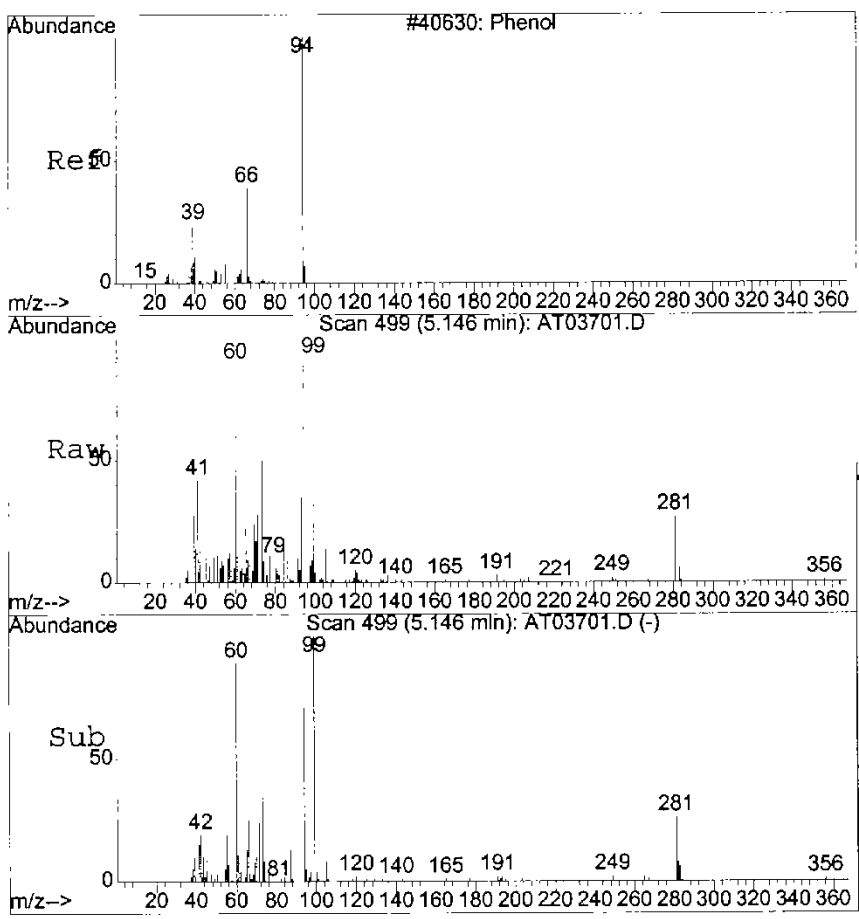


#7
Aniline
Concen: 82.08 ug/L
RT: 5.15 min Scan# 499
Delta R.T. -0.00 min
Lab File: AT03701.D
Acq: 1 Mar 2005 2:15 pm

Tgt Ion: 93 Resp: 14943

Ion	Ratio	Lower	Upper
93	100		
66	67.2	37.8	97.8
65	67.2	15.0	75.0

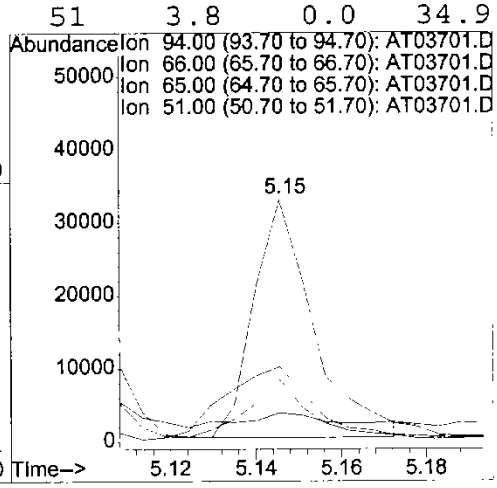




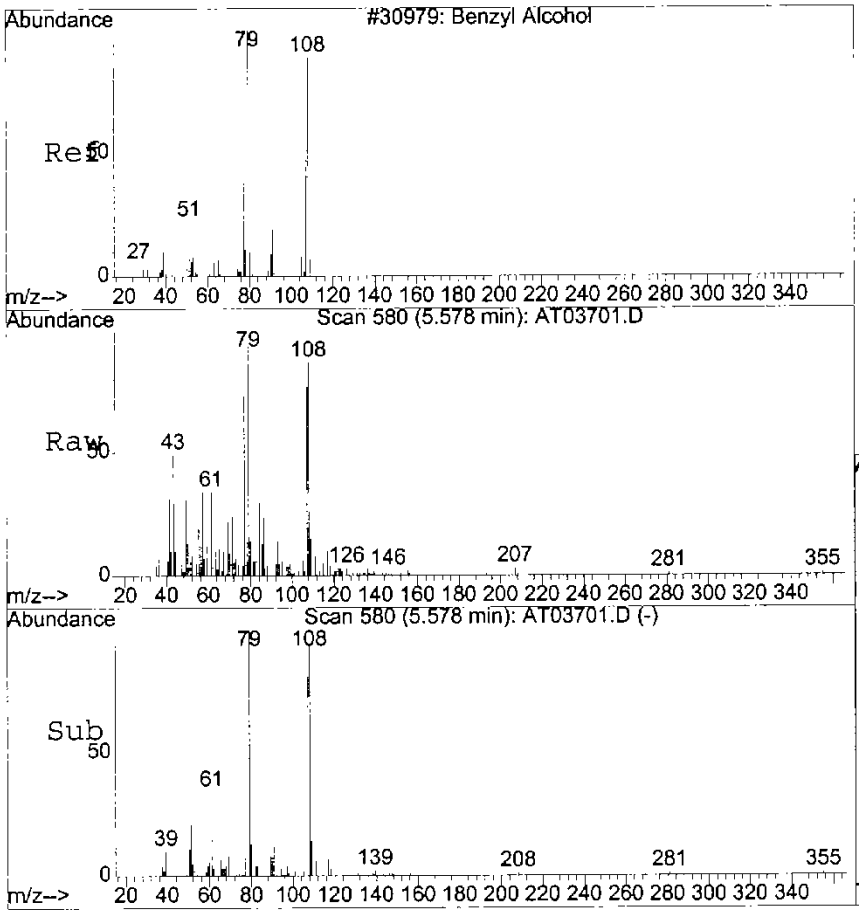
#9
Phenol
Concen: 125.99 ug/L
RT: 5.15 min Scan# 499
Delta R.T. -0.00 min
Lab File: AT03701.D
Acq: 1 Mar 2005 2:15 pm

Tgt Ion: 94 Resp: 31659

Ion	Ratio	Lower	Upper
94	100		
66	23.0	14.1	74.1
65	23.0	1.3	61.3
51	3.8	0.0	34.9



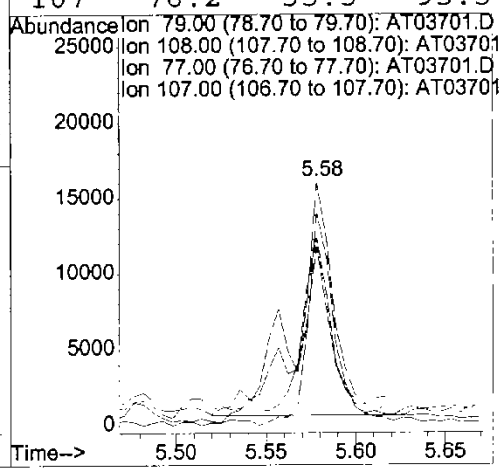
00212

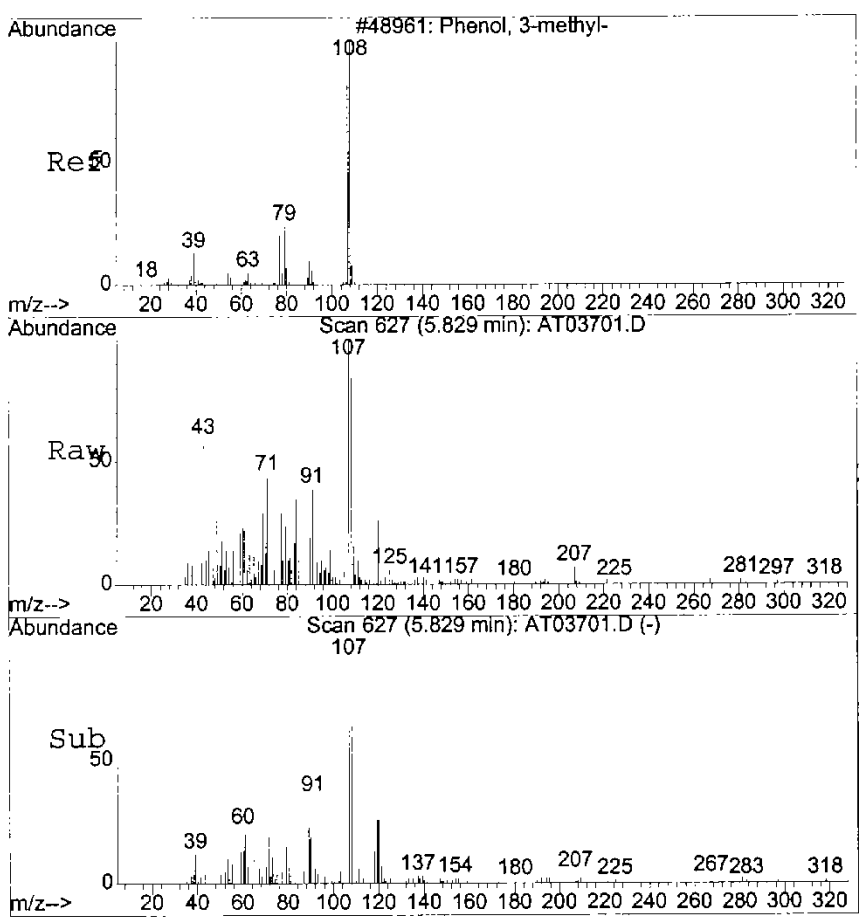


#15
Benzyl alcohol
Concen: 154.33 ug/L
RT: 5.58 min Scan# 580
Delta R.T. 0.01 min
Lab File: AT03701.D
Acq: 1 Mar 2005 2:15 pm

Tgt Ion: 79 Resp: 20696

Ion	Ratio	Lower	Upper
79	100		
108	89.8	62.2	122.2
77	71.3	29.8	89.8
107	76.2	35.5	95.5

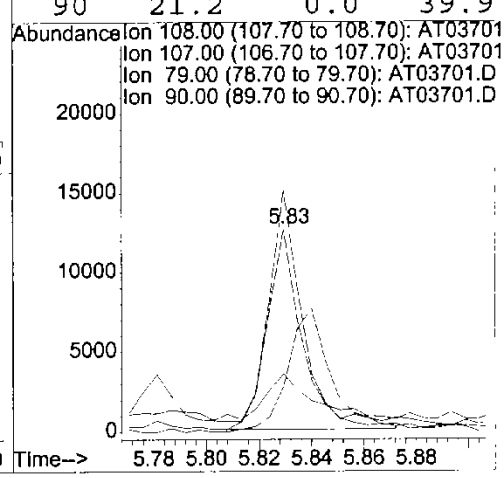




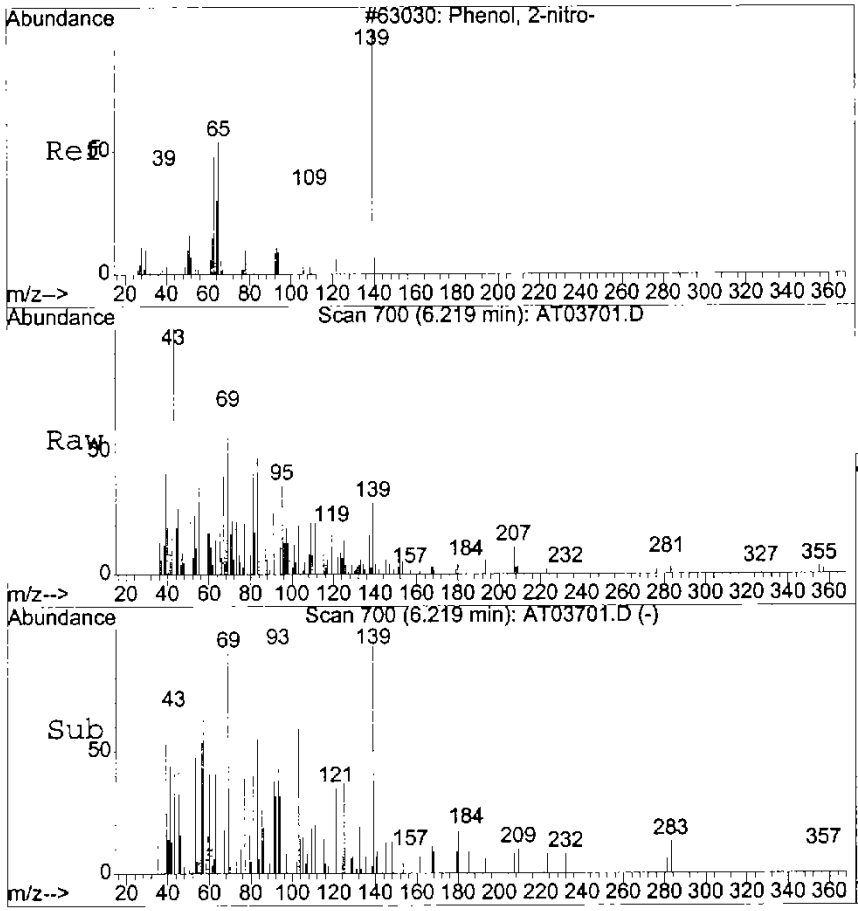
#19
3-&4-Methylphenol
Concen: 80.58 ug/L
RT: 5.83 min Scan# 627
Delta R.T. 0.03 min
Lab File: AT03701.D
Acq: 1 Mar 2005 2:15 pm

Tgt Ion:108 Resp: 11503

Ion	Ratio	Lower	Upper
108	100		
107	115.5	75.6	135.6
79	23.2	0.0	55.6
90	21.2	0.0	39.9



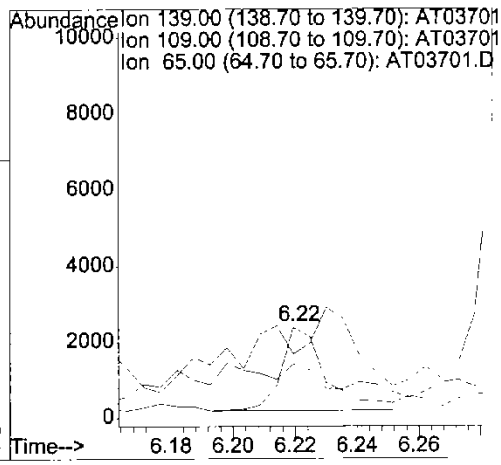
00213

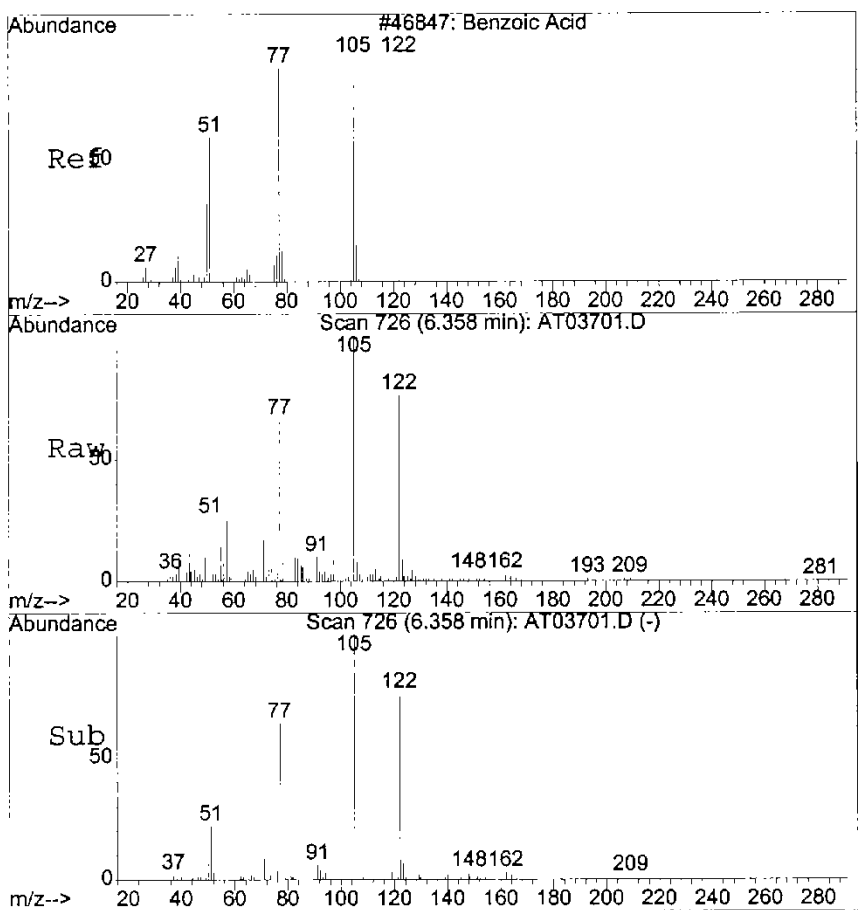


#27
2-Nitrophenol
Concen: 20.42 ug/L
RT: 6.22 min Scan# 700
Delta R.T. -0.01 min
Lab File: AT03701.D
Acq: 1 Mar 2005 2:15 pm

Tgt Ion:139 Resp: 2240

Ion	Ratio	Lower	Upper
139	100		
109	26.8	0.0	49.5
65	30.5	4.3	64.3

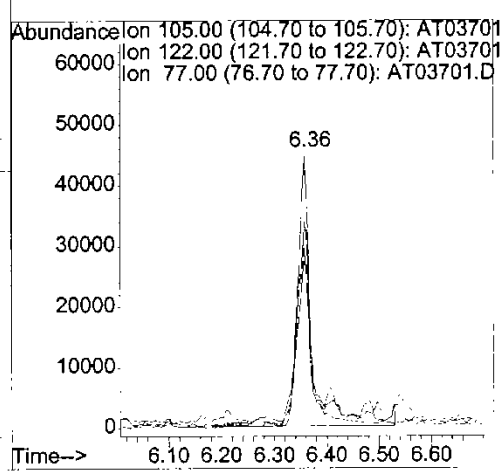




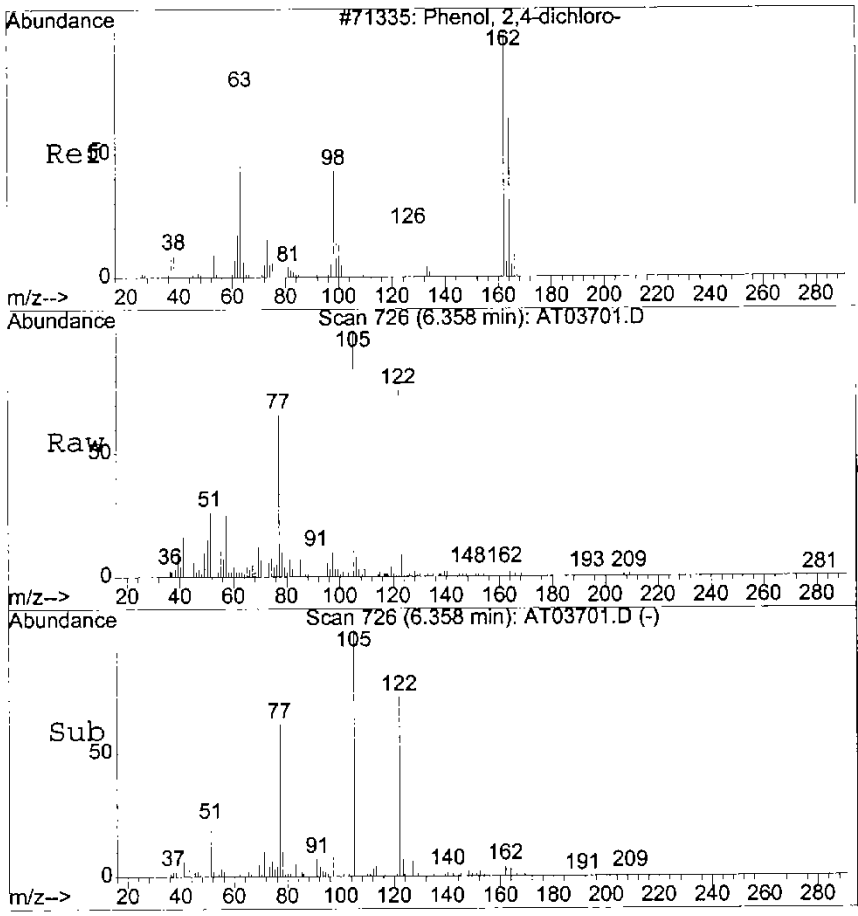
#30
Benzoic Acid
Concen: 1231.17 ug/L
RT: 6.36 min Scan# 726
Delta R.T. -0.03 min
Lab File: AT03701.D
Acq: 1 Mar 2005 2:15 pm

Tgt Ion:105 Resp: 95501

Ion	Ratio	Lower	Upper
105	100		
122	78.2	58.0	118.0
77	62.9	34.2	94.2



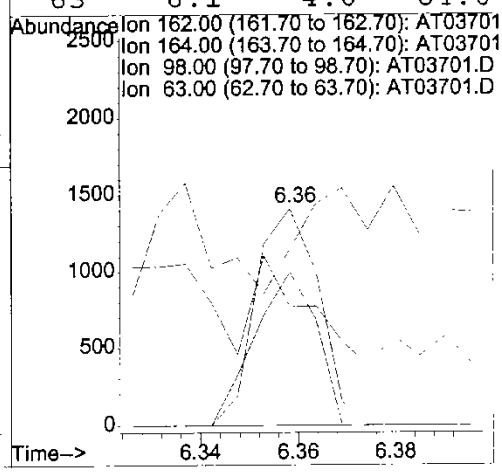
00214

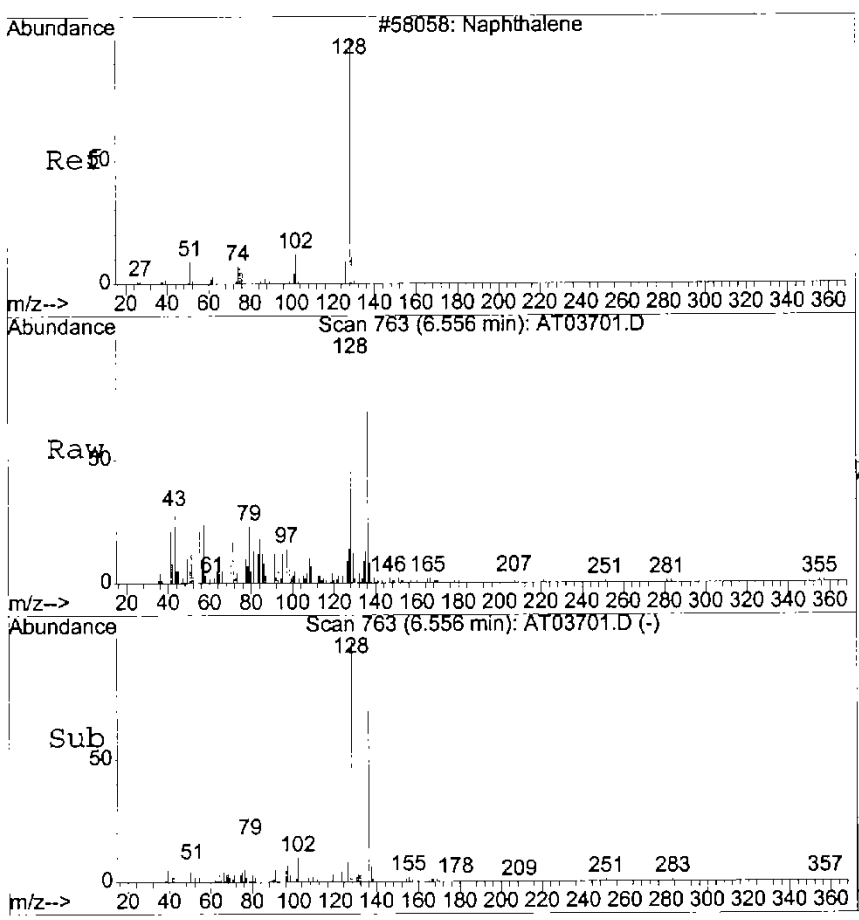


#31
2,4-Dichlorophenol
Concen: 7.82 ug/L
RT: 6.36 min Scan# 726
Delta R.T. -0.08 min
Lab File: AT03701.D
Acq: 1 Mar 2005 2:15 pm

Tgt Ion:162 Resp: 1260

Ion	Ratio	Lower	Upper
162	100		
164	70.7	35.8	95.8
98	0.0	0.0	57.5
63	6.1	4.0	64.0

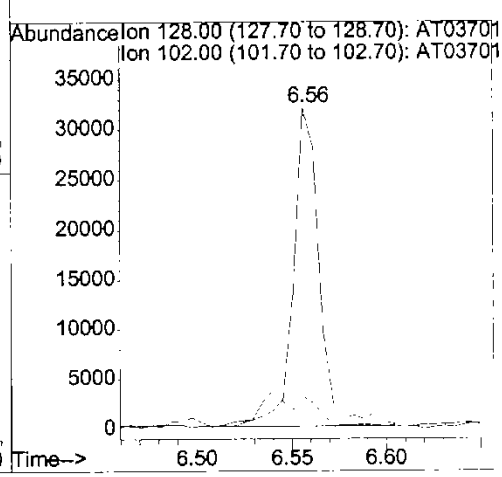




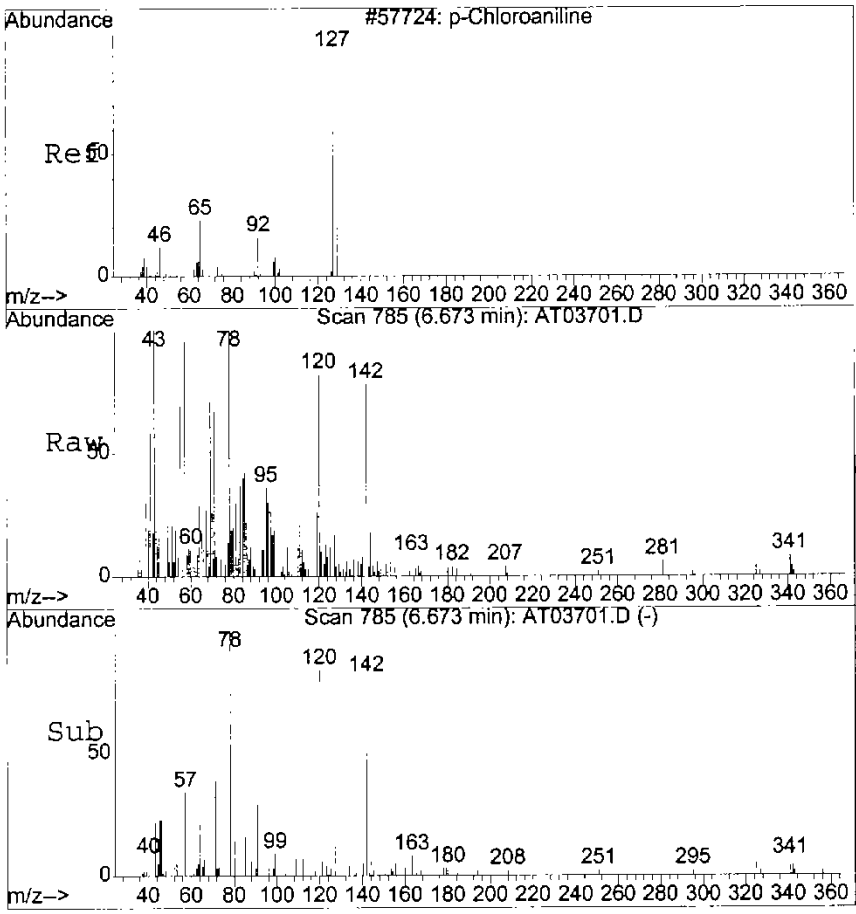
#33
Naphthalene
Concen: 41.52 ug/L
RT: 6.56 min Scan# 763
Delta R.T. -0.00 min
Lab File: AT03701.D
Acq: 1 Mar 2005 2:15 pm

Tgt Ion:128 Resp: 30784

Ion	Ratio	Lower	Upper
128	100		
102	9.4	0.0	37.8



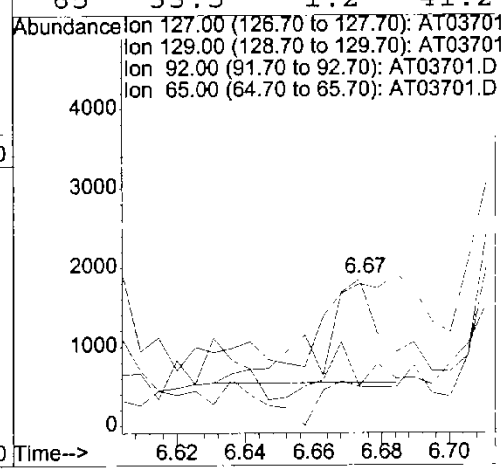
00215

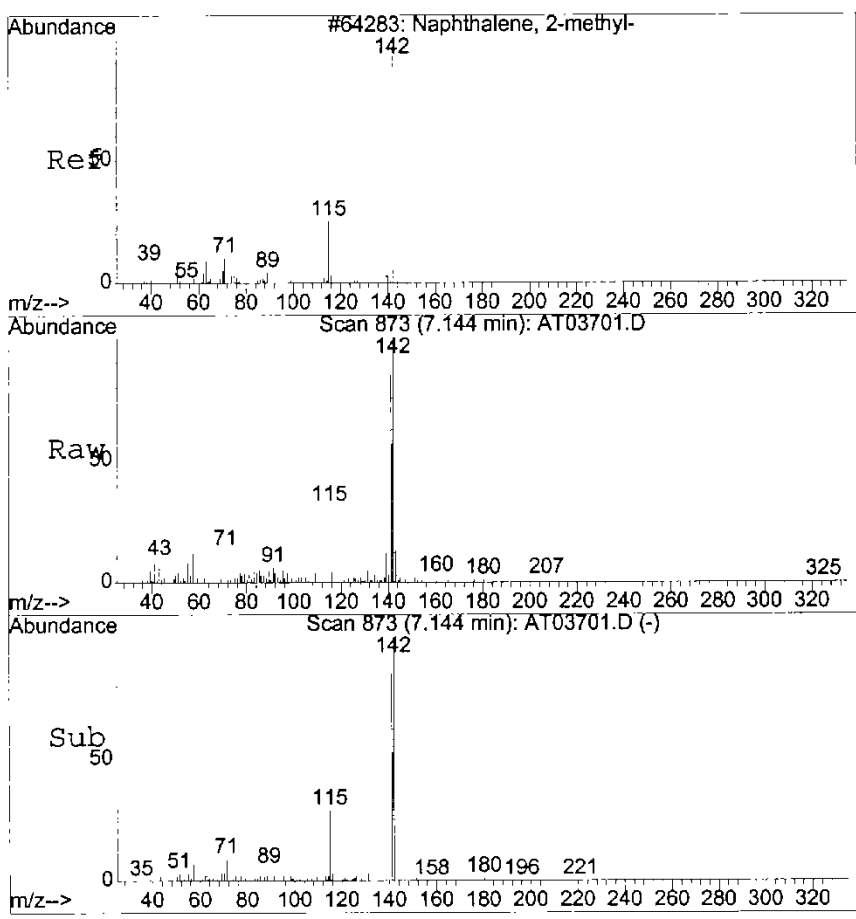


#34
4-Chloroaniline
Concen: 11.02 ug/L
RT: 6.67 min Scan# 785
Delta R.T. 0.06 min
Lab File: AT03701.D
Acq: 1 Mar 2005 2:15 pm

Tgt Ion:127 Resp: 1594

Ion	Ratio	Lower	Upper
127	100		
129	10.4	3.2	63.2
92	0.0	0.0	45.6
65	33.5	1.2	41.2

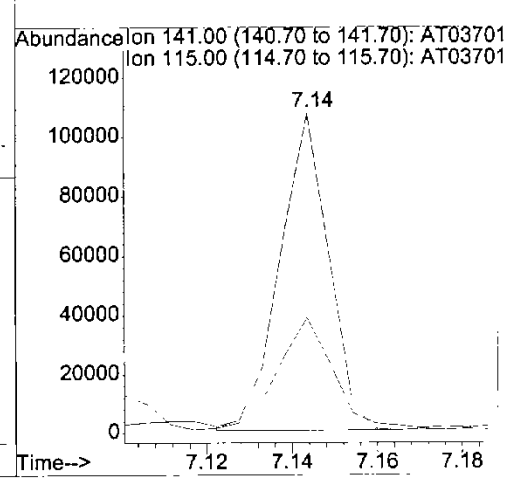


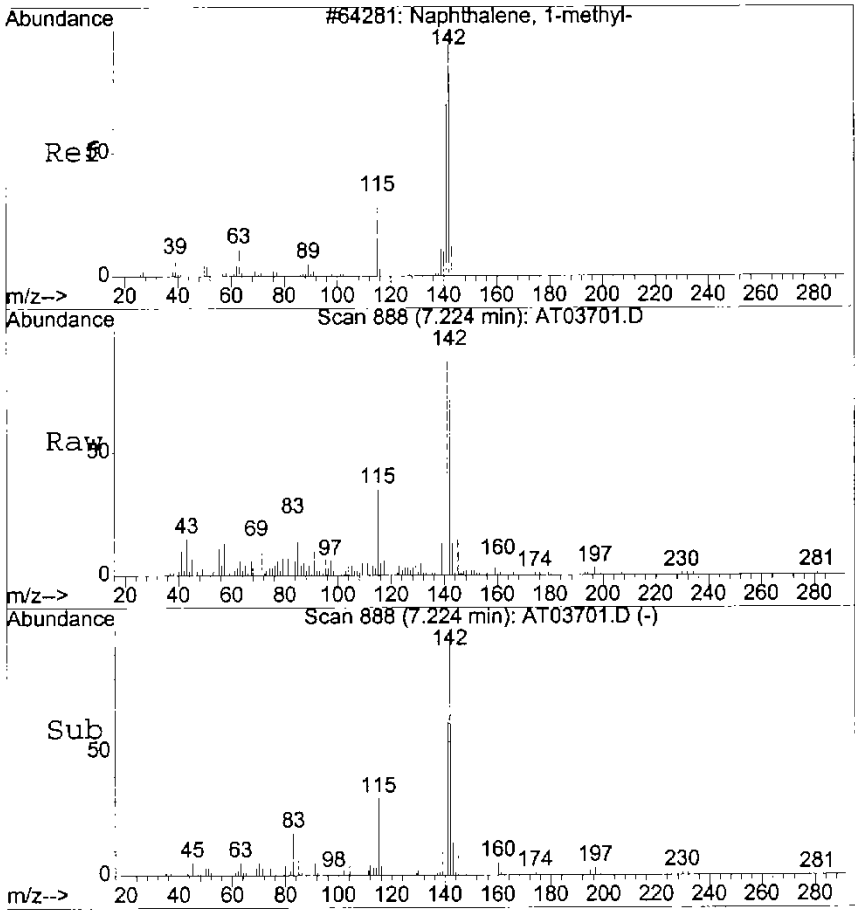


#37
2-Methylnaphthalene
Concen: 216.27 ug/L
RT: 7.14 min Scan# 873
Delta R.T. 0.02 min
Lab File: AT03701.D
Acq: 1 Mar 2005 2:15 pm

Tgt Ion:141 Resp: 84961

Ion	Ratio	Lower	Upper
141	100		
115	34.9	2.2	62.2

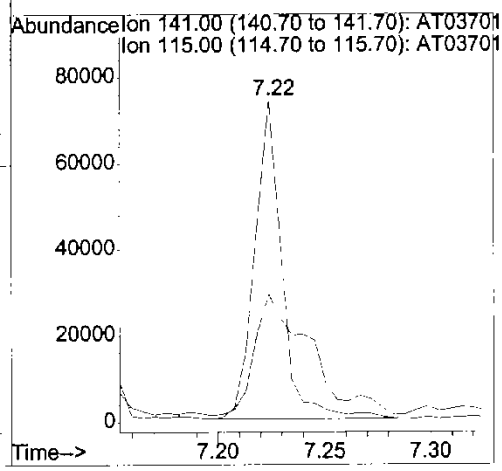


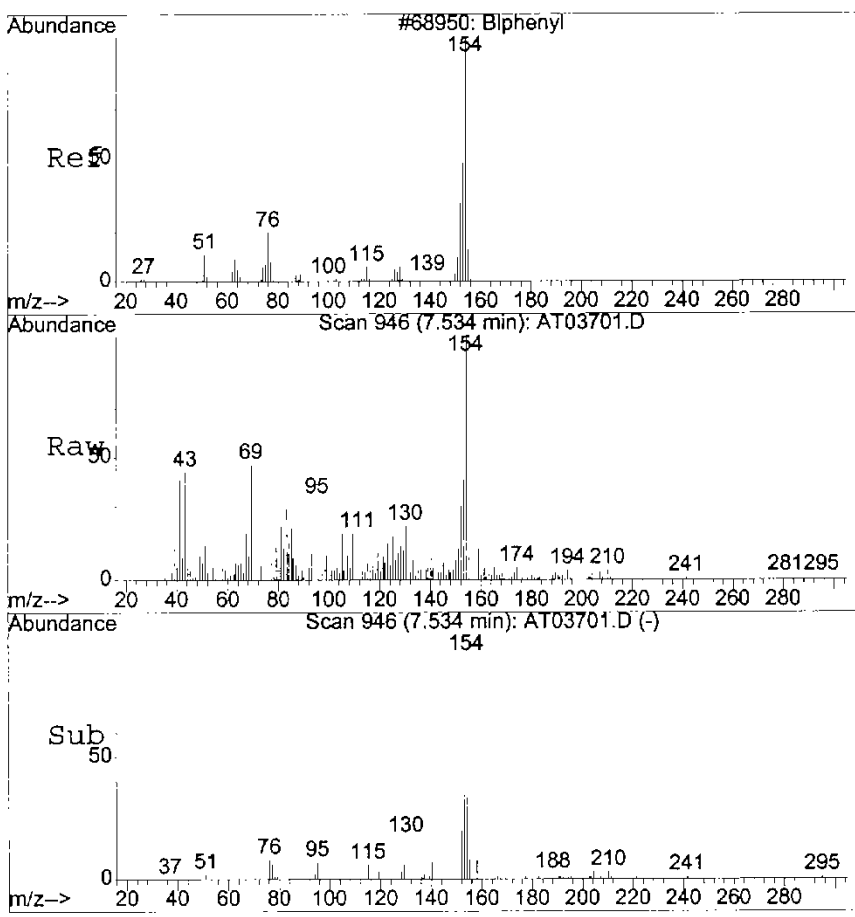


#38
1-Methylnaphthalene
Concen: 159.46 ul/l
RT: 7.22 min Scan# 888
Delta R.T. 0.01 min
Lab File: AT03701.D
Acq: 1 Mar 2005 2:15 pm

Tgt Ion:141 Resp: 65267

Ion	Ratio	Lower	Upper
141	100		
115	37.9	2.6	62.6

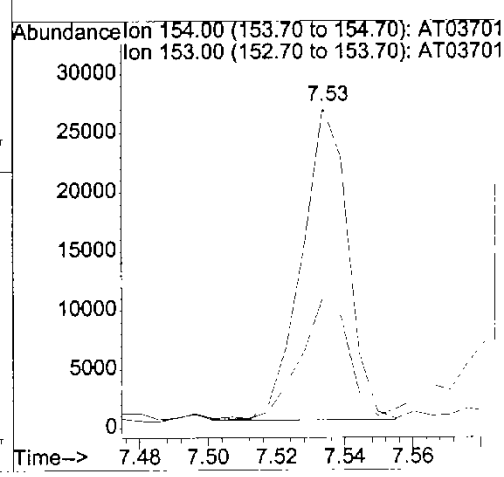


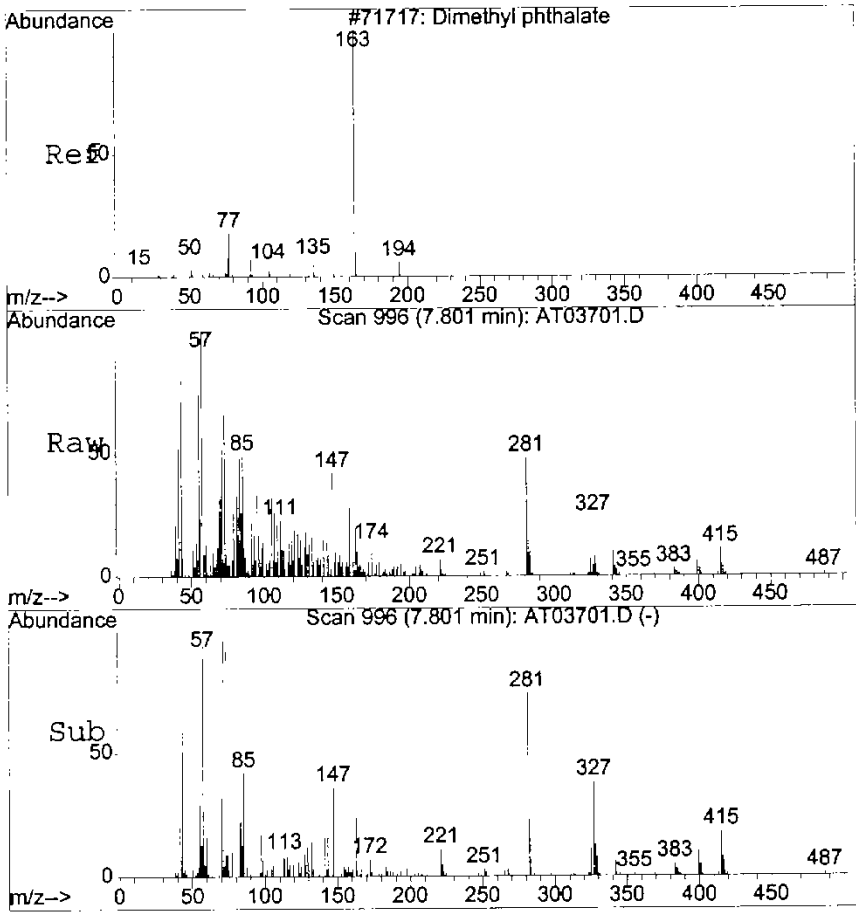


#46
Biphenyl
Concen: 45.06 ul/L
RT: 7.53 min Scan# 946
Delta R.T. -0.01 min
Lab File: AT03701.D
Acq: 1 Mar 2005 2:15 pm

Tgt Ion:154 Resp: 25048

Ion	Ratio	Lower	Upper
154	100		
153	39.3	9.4	69.4

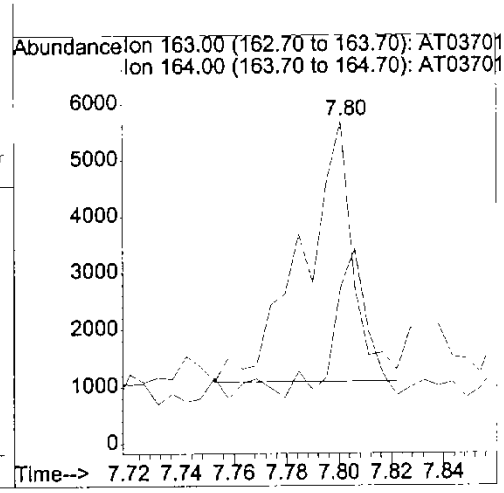


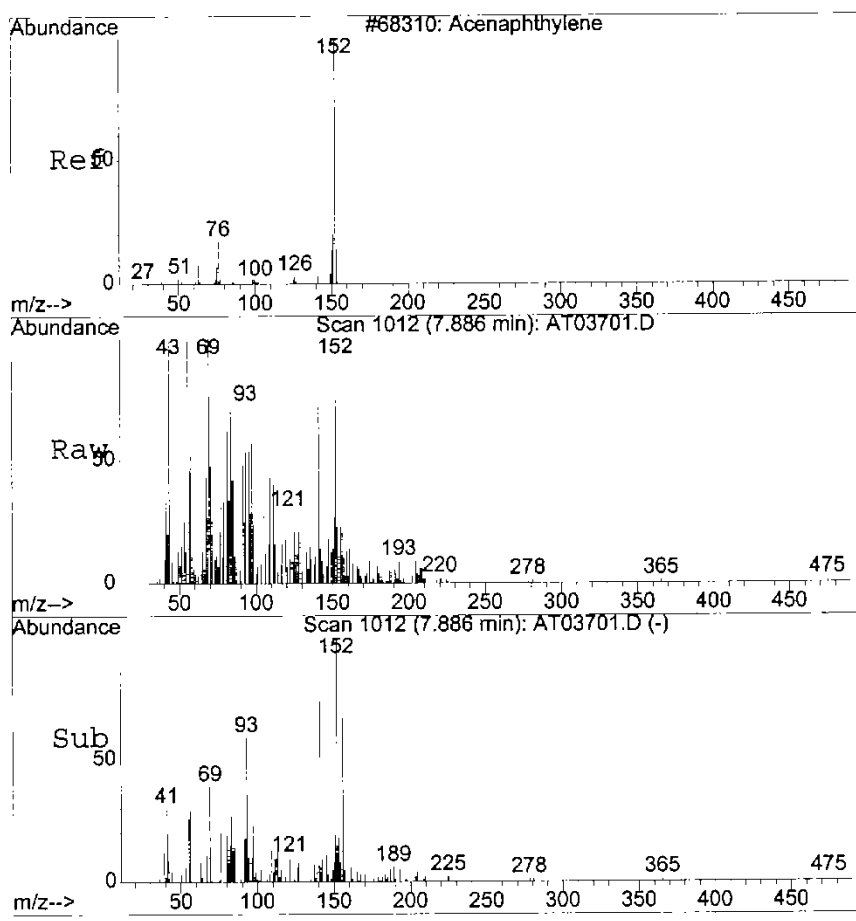


#48
Dimethylphthalate
Concen: 13.11 ug/L
RT: 7.80 min Scan# 996
Delta R.T. 0.01 min
Lab File: AT03701.D
Acq: 1 Mar 2005 2:15 pm

Tgt Ion:163 Resp: 6104

Ion	Ratio	Lower	Upper
163	100		
164	39.0	0.0	40.0

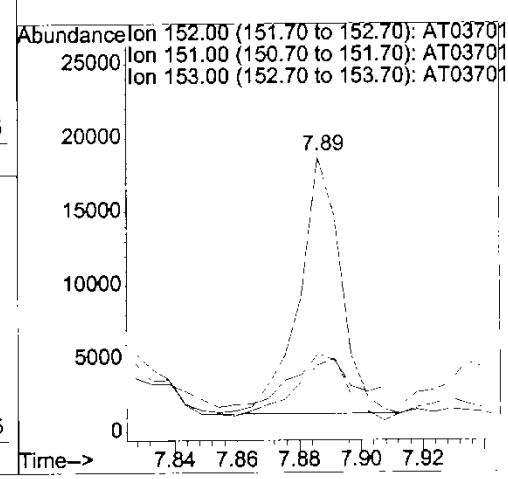


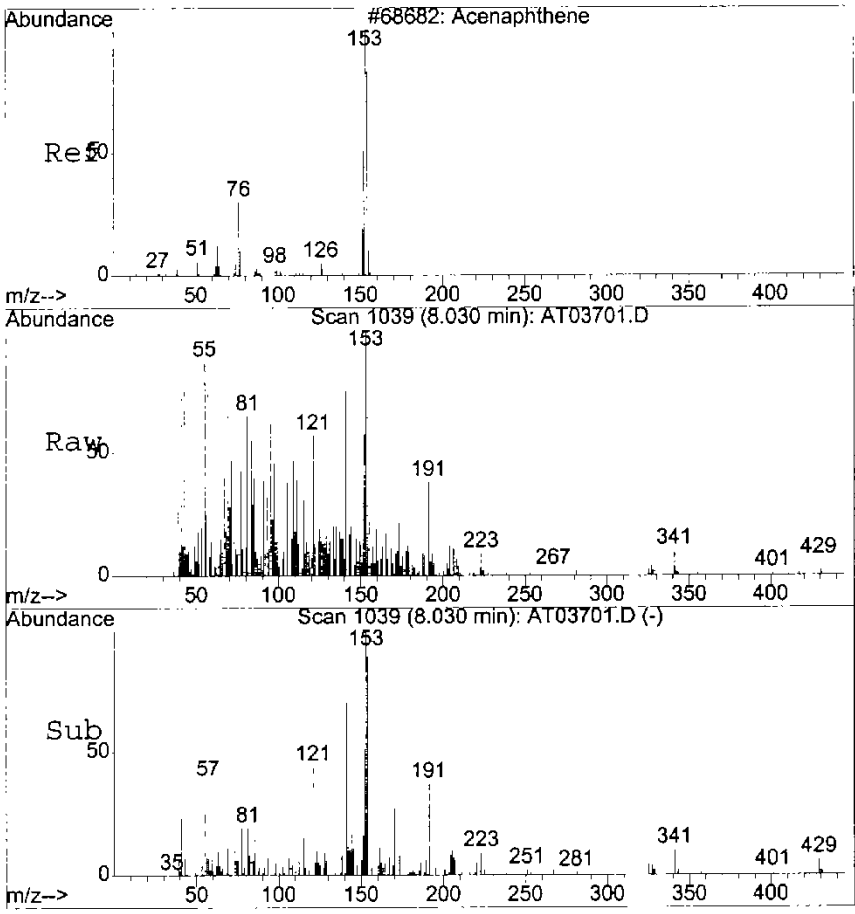


#49
Acenaphthylene
Concen: 23.84 ug/L
RT: 7.89 min Scan# 1012
Delta R.T. -0.00 min
Lab File: AT03701.D
Acq: 1 Mar 2005 2:15 pm

Tgt Ion:152 Resp: 16305

Ion	Ratio	Lower	Upper
152	100		
151	20.4	0.0	49.4
153	19.0	0.0	43.0

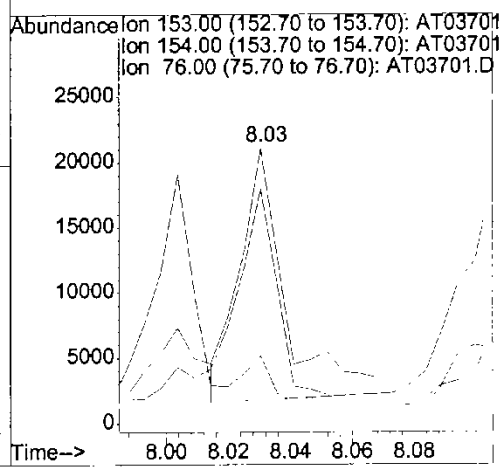


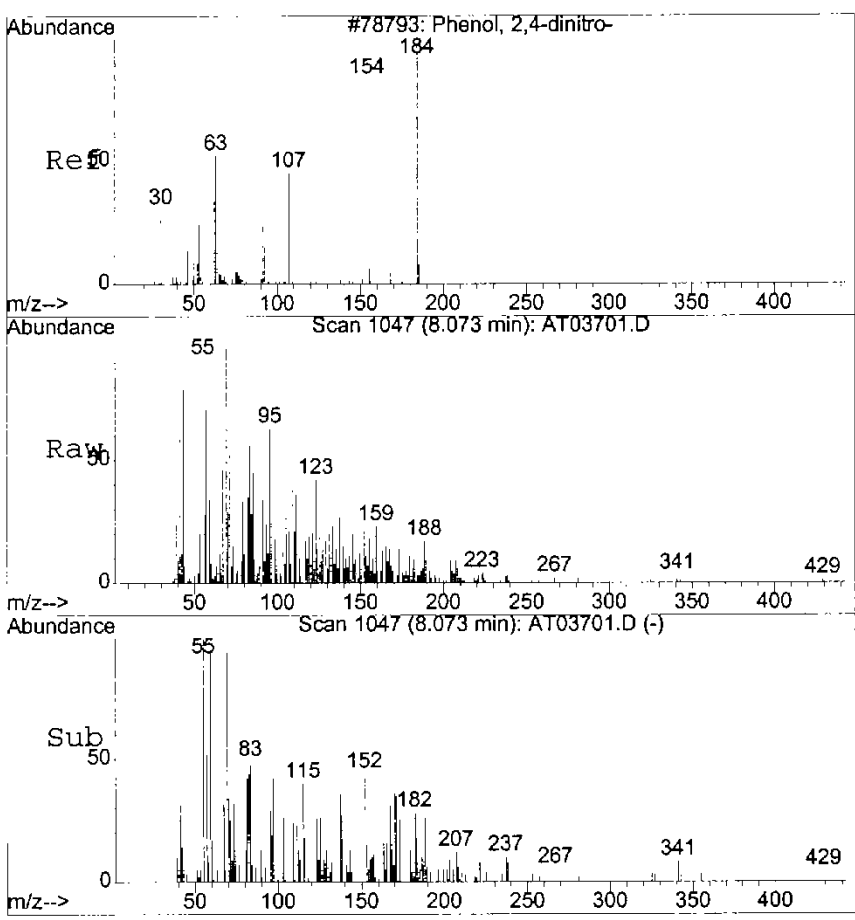


#52
Acenaphthene
Concen: 43.93 ug/L
RT: 8.03 min Scan# 1039
Delta R.T. 0.00 min
Lab File: AT03701.D
Acq: 1 Mar 2005 2:15 pm

Tgt Ion:153 Resp: 19770

Ion	Ratio	Lower	Upper
153	100		
154	86.3	53.5	113.5
76	17.7	0.0	50.2

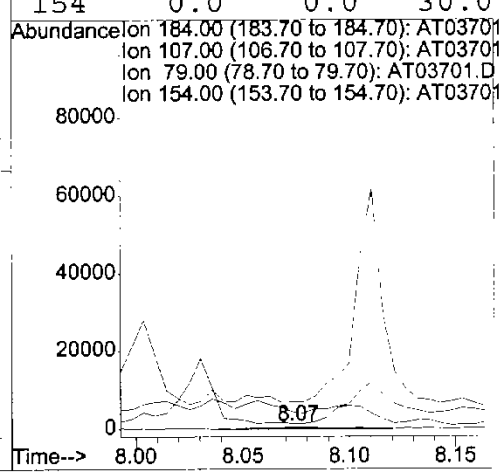


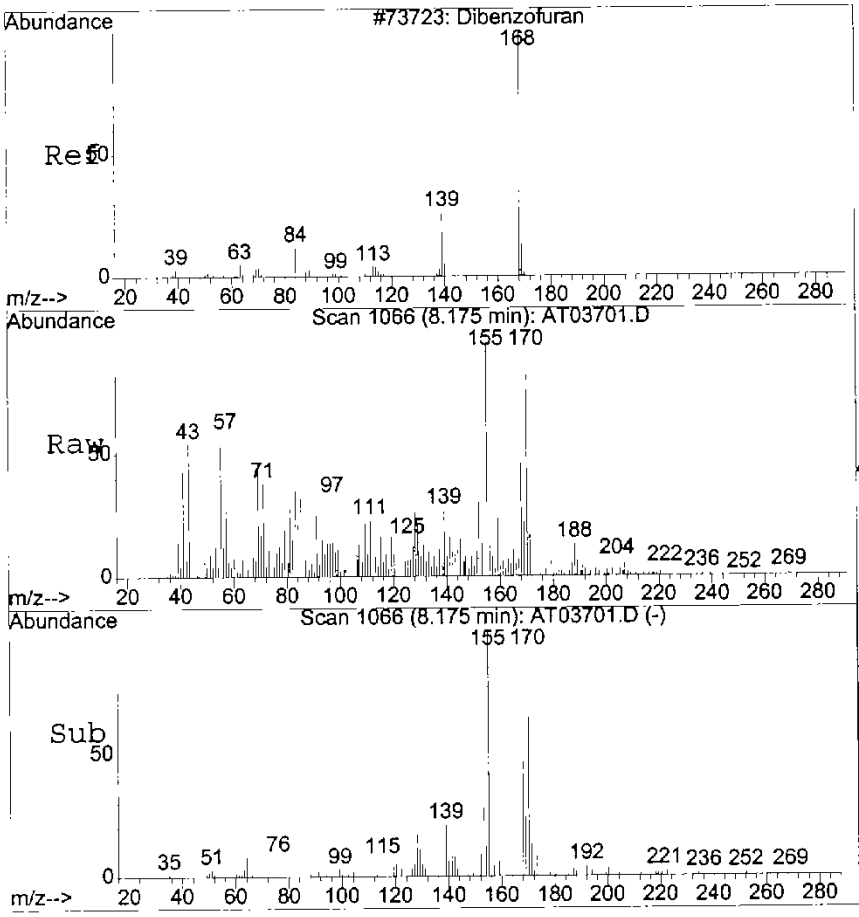


#53
2,4-Dinitrophenol
Concen: 371.84 ug/L
RT: 8.07 min Scan# 1047
Delta R.T. 0.01 min
Lab File: AT03701.D
Acq: 1 Mar 2005 2:15 pm

Tgt Ion:184 Resp: 1484

Ion	Ratio	Lower	Upper
184	100		
107	0.0	0.0	58.6
79	0.0	0.0	48.2
154	0.0	0.0	30.0

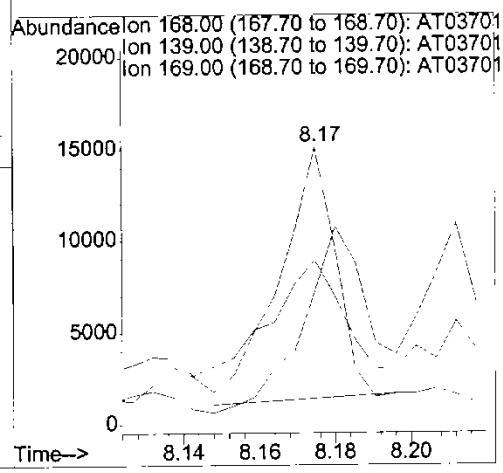


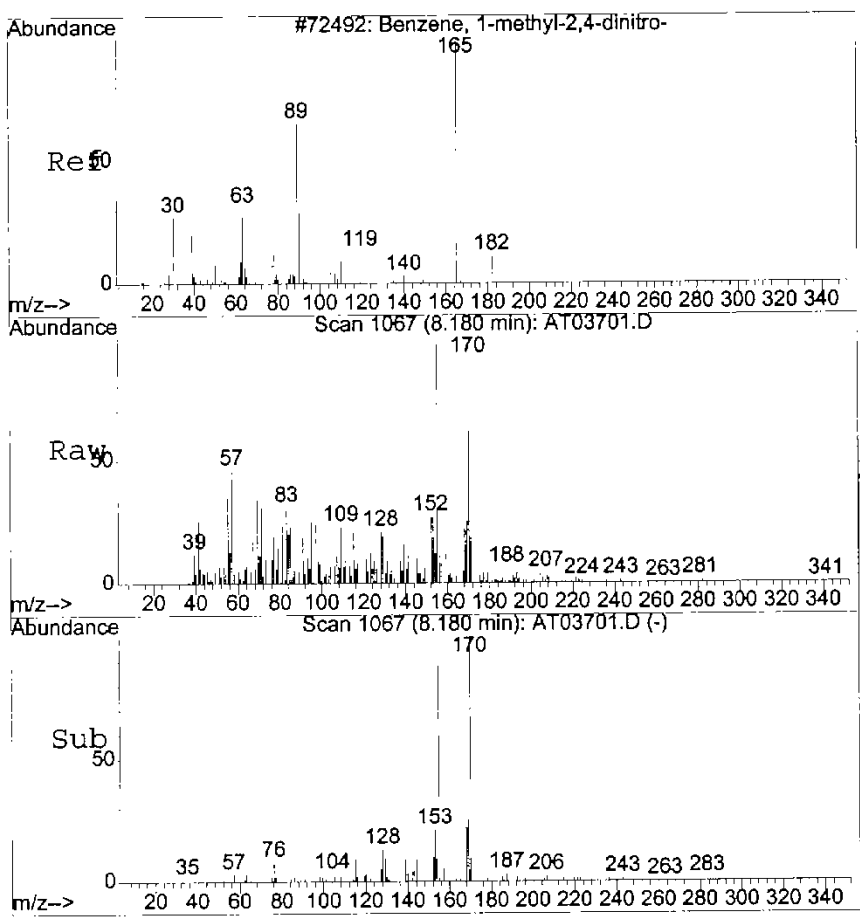


#55
Dibenzofuran
Concen: 23.15 ug/L
RT: 8.17 min Scan# 1066
Delta R.T. 0.00 min
Lab File: AT03701.D
Acq: 1 Mar 2005 2:15 pm

Tgt Ion:168 Resp: 13957

Ion	Ratio	Lower	Upper
168	100		
139	43.1	0.6	60.6
169	37.5	0.0	42.8

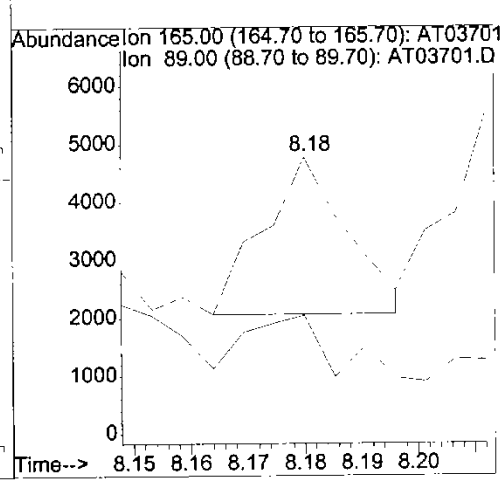


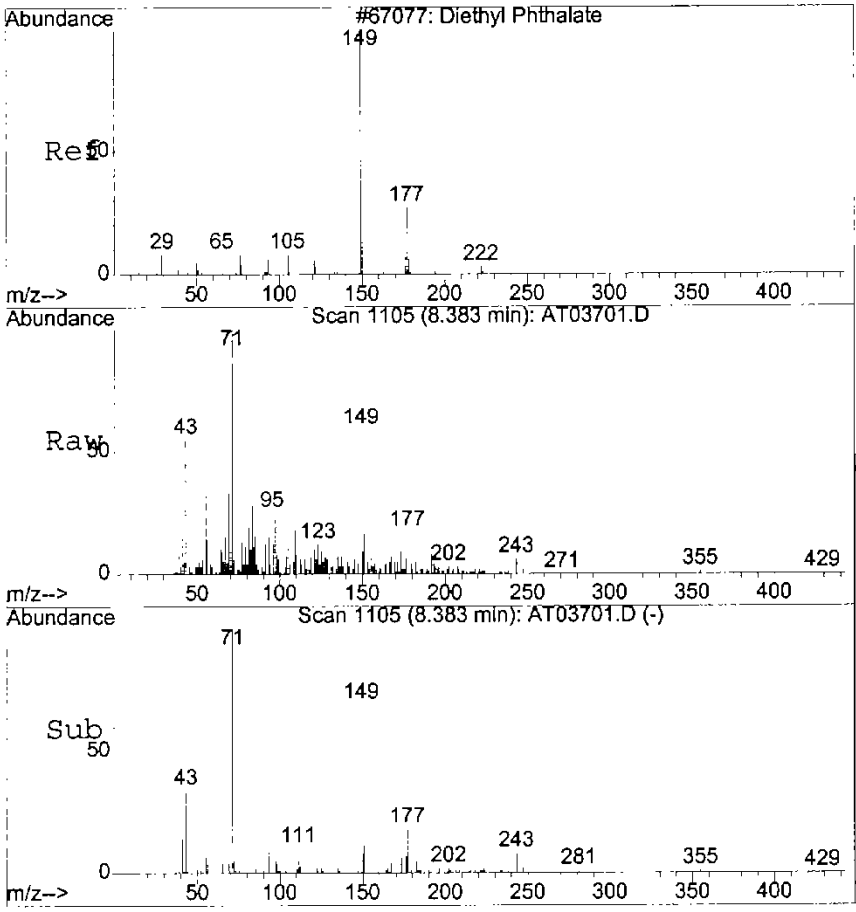


#56
2,4-Dinitrotoluene
Concen: 49.44 ug/L
RT: 8.18 min Scan# 1067
Delta R.T. 0.01 min
Lab File: AT03701.D
Acq: 1 Mar 2005 2:15 pm

Tgt Ion:165 Resp: 2760

Ion	Ratio	Lower	Upper
165	100		
89	39.9	22.1	82.1

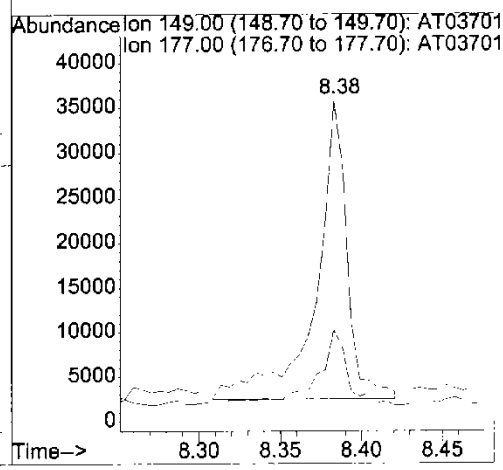


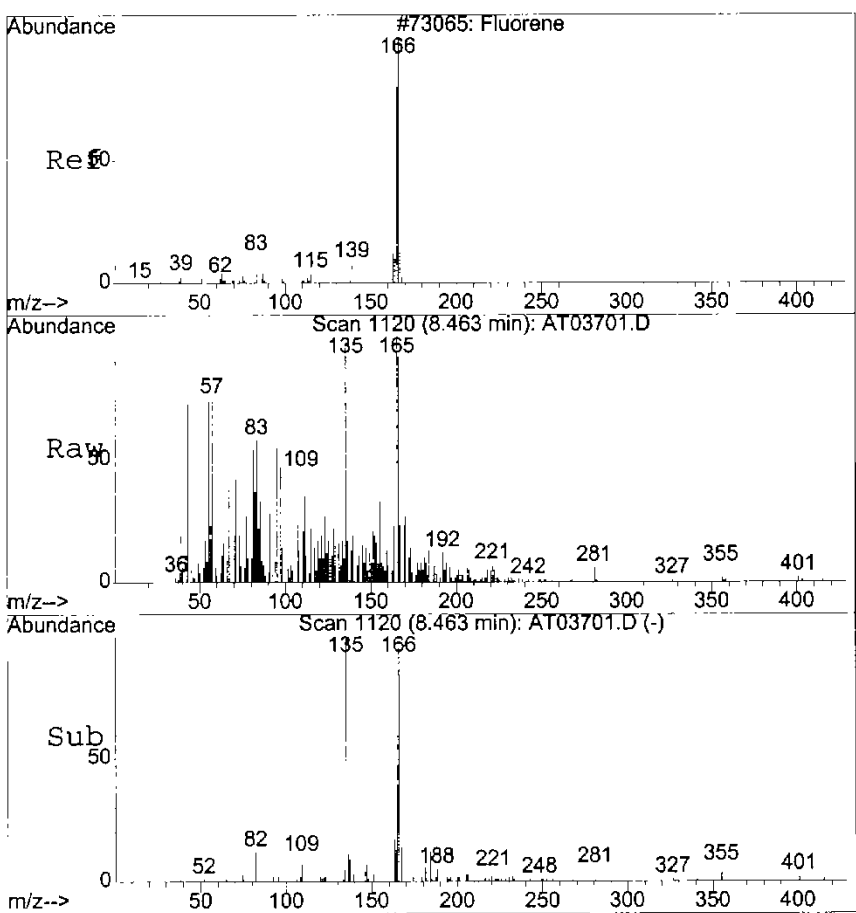


#59
Diethylphthalate
Concen: 91.00 ug/L
RT: 8.38 min Scan# 1105
Delta R.T. 0.01 min
Lab File: AT03701.D
Acq: 1 Mar 2005 2:15 pm

Tgt Ion:149 Resp: 44817

Ion	Ratio	Lower	Upper
149	100		
177	25.2	0.0	53.1

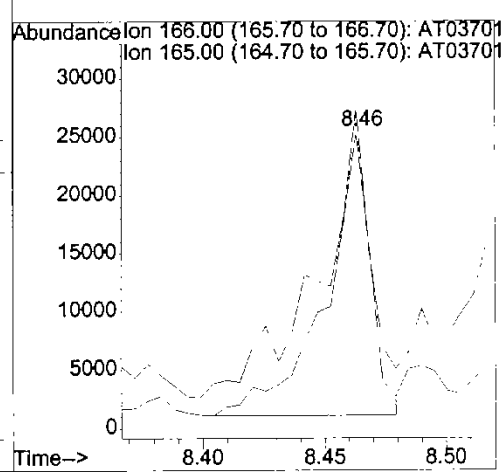


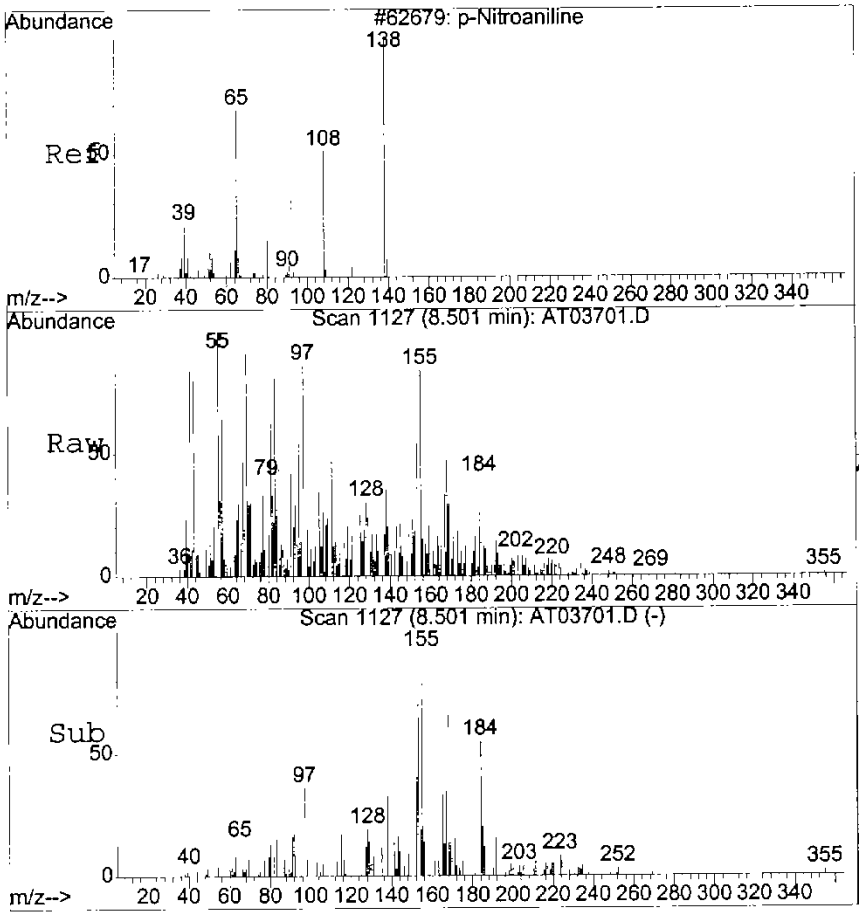


#60
Fluorene
Concen: 66.63 ug/L
RT: 8.46 min Scan# 1120
Delta R.T. 0.00 min
Lab File: AT03701.D
Acq: 1 Mar 2005 2:15 pm

Tgt Ion:166 Resp: 30912

Ion	Ratio	Lower	Upper
166	100		
165	98.2	65.1	125.1

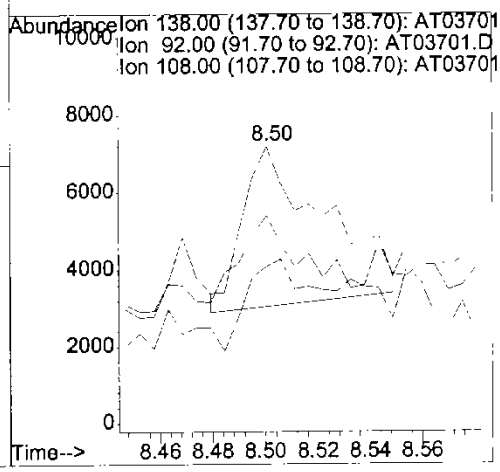


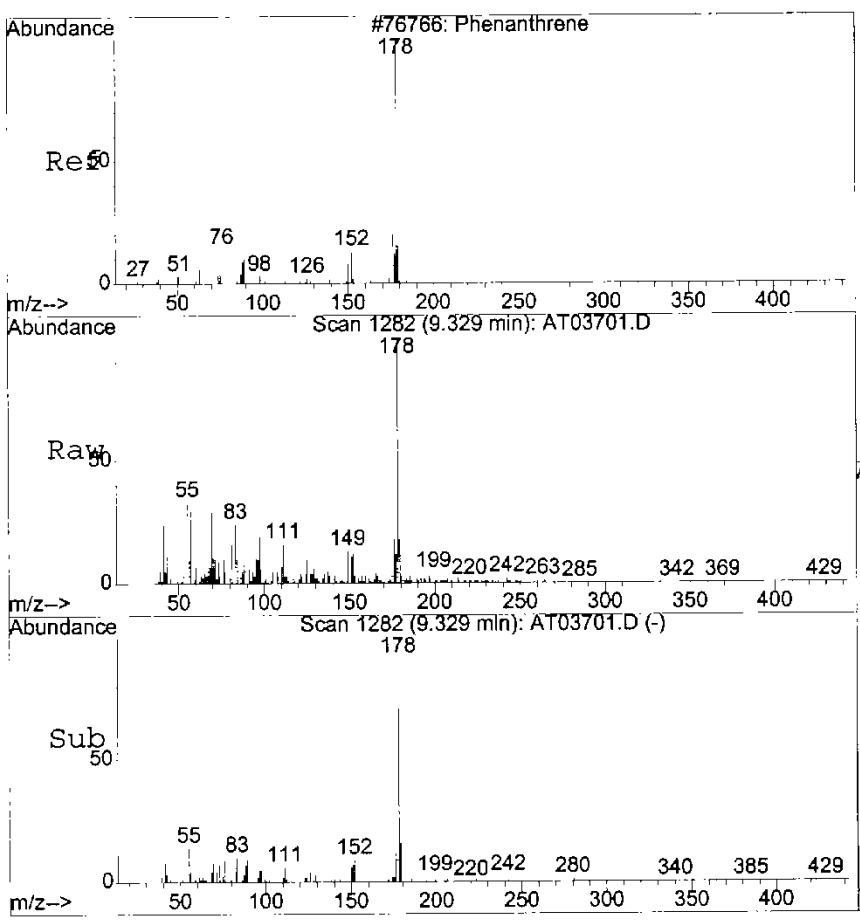


#62
4-Nitroaniline
Concen: 133.59 ug/L
RT: 8.50 min Scan# 1127
Delta R.T. 0.01 min
Lab File: AT03701.D
Acq: 1 Mar 2005 2:15 pm

Tgt Ion:138 Resp: 8860

Ion	Ratio	Lower	Upper
138	100		
92	41.5	11.1	71.1
108	52.6	21.9	81.9

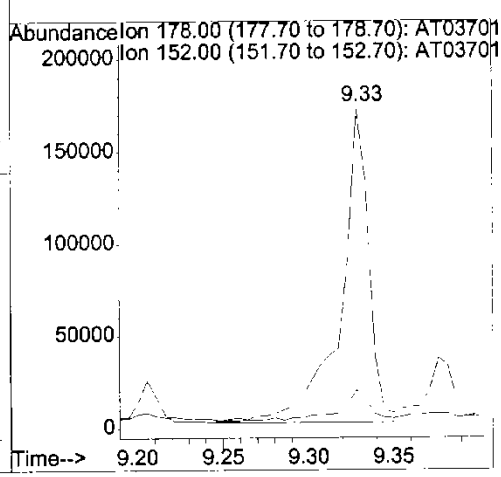


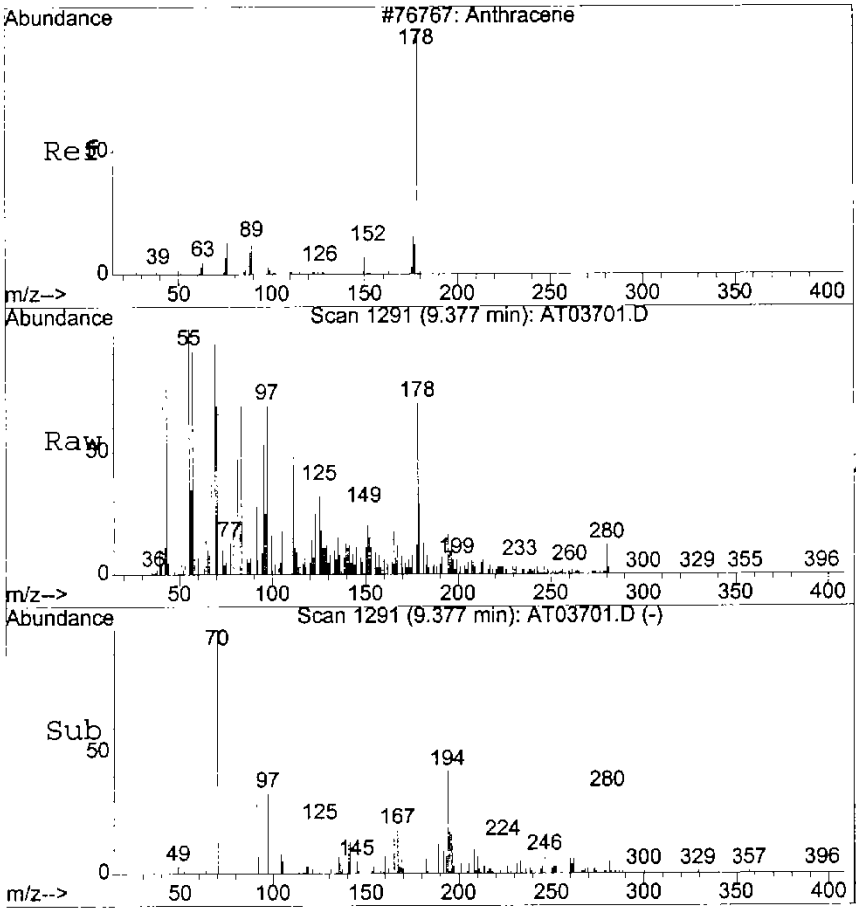


#71
Phenanthrene
Concen: 266.61 ug/L
RT: 9.33 min Scan# 1282
Delta R.T. 0.00 min
Lab File: AT03701.D
Acq: 1 Mar 2005 2:15 pm

Tgt Ion:178 Resp: 196563

Ion	Ratio	Lower	Upper
178	100		
152	9.1	0.0	38.6

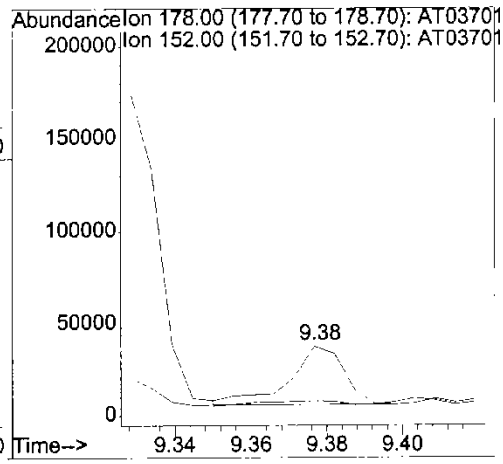


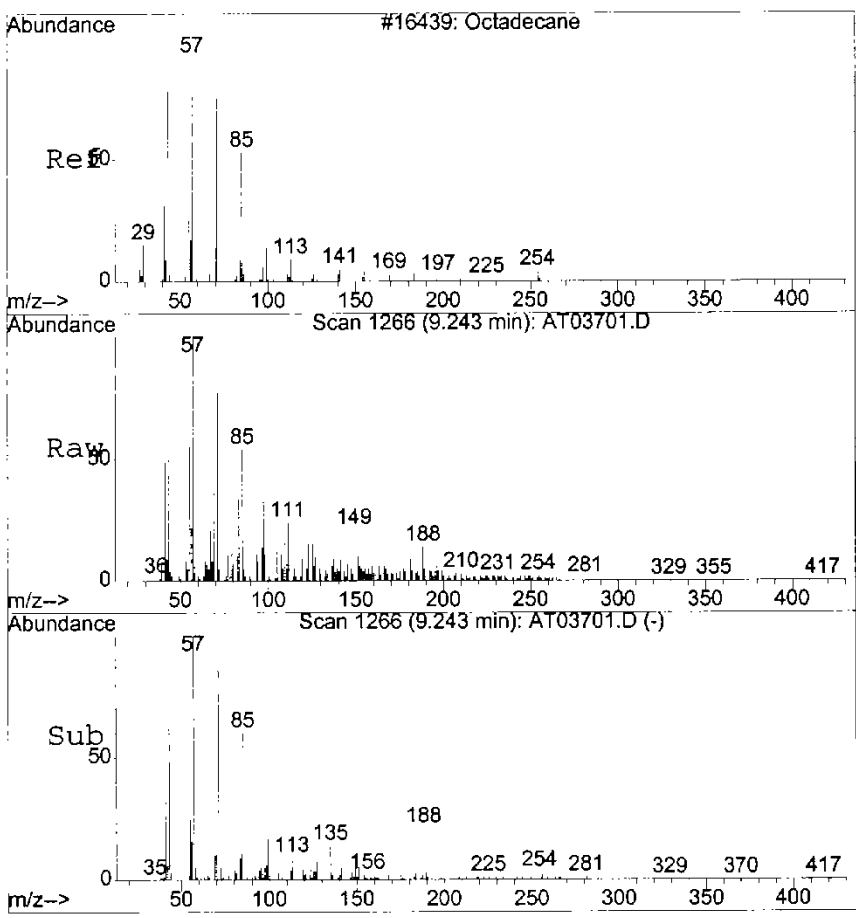


#72
Anthracene
Concen: 47.18 ug/L
RT: 9.38 min Scan# 1291
Delta R.T. 0.00 min
Lab File: AT03701.D
Acq: 1 Mar 2005 2:15 pm

Tgt Ion:178 Resp: 31551

Ion	Ratio	Lower	Upper
178	100		
152	4.8	0.0	37.1

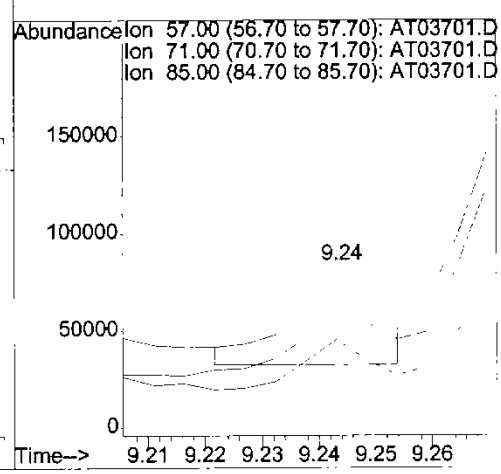


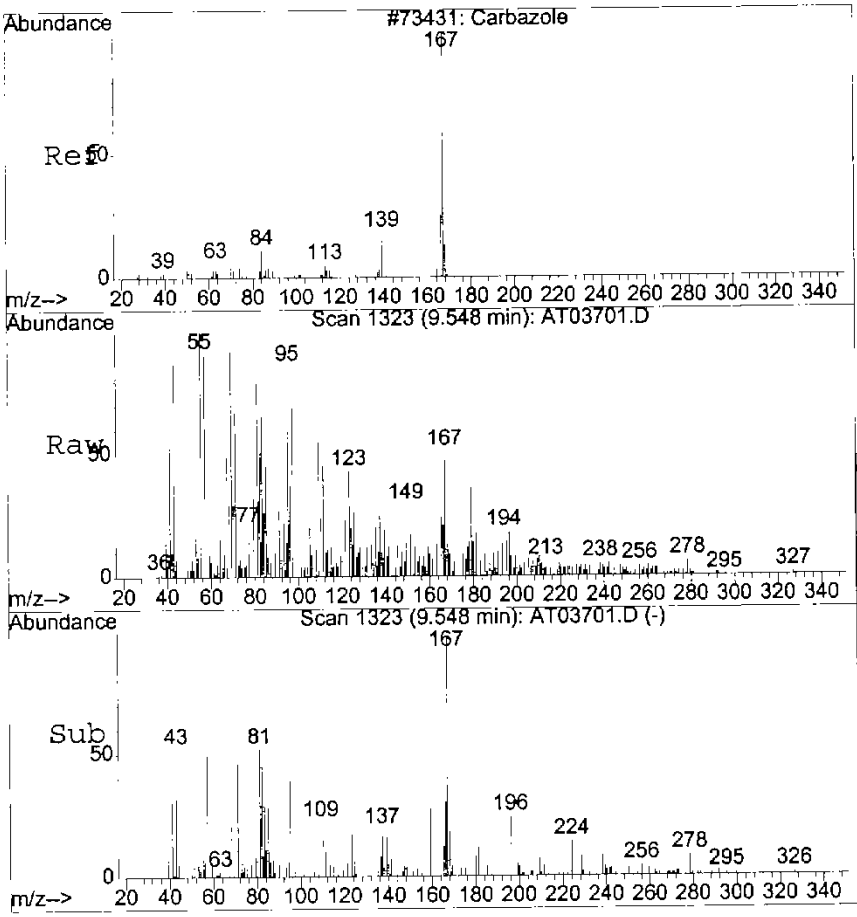


#73
Octadecane
Concen: 257.87 ul/L
RT: 9.24 min Scan# 1266
Delta R.T. 0.00 min
Lab File: AT03701.D
Acq: 1 Mar 2005 2:15 pm

Tgt Ion: 57 Resp: 55173

Ion	Ratio	Lower	Upper
57	100		
71	91.5	51.7	96.1
85	55.9	37.4	69.4

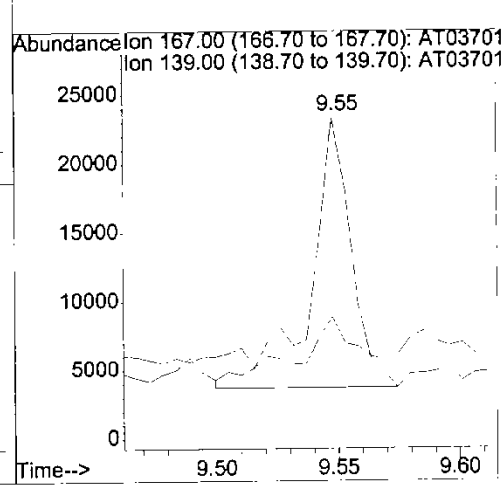


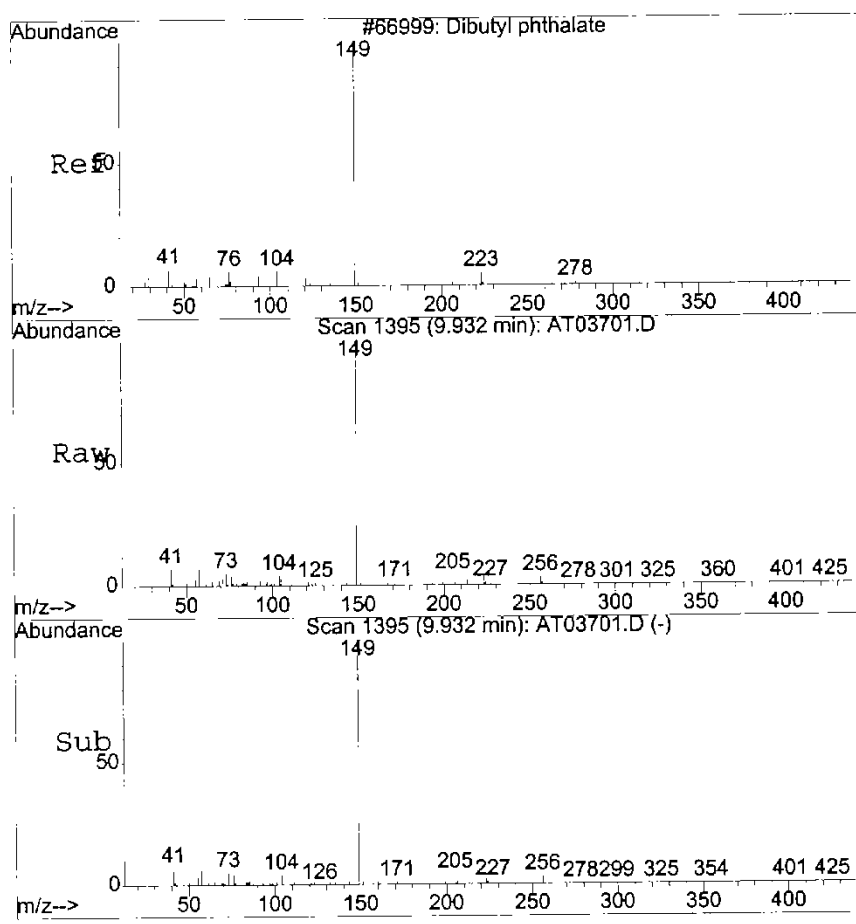


#74
Carbazole
Concen: 50.81 ug/L
RT: 9.55 min Scan# 1323
Delta R.T. 0.01 min
Lab File: AT03701.D
Acq: 1 Mar 2005 2:15 pm

Tgt Ion:167 Resp: 23001

Ion	Ratio	Lower	Upper
167	100		
139	14.5	0.0	42.1

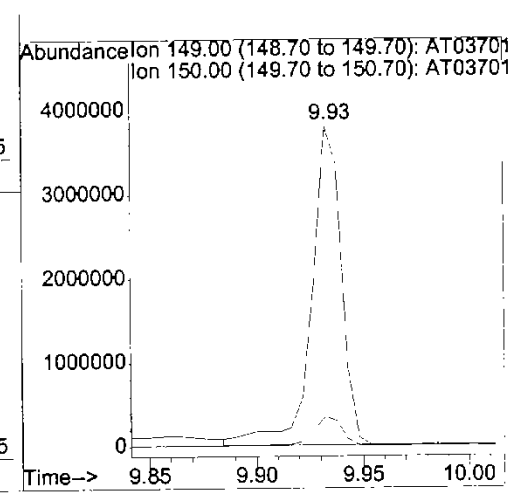


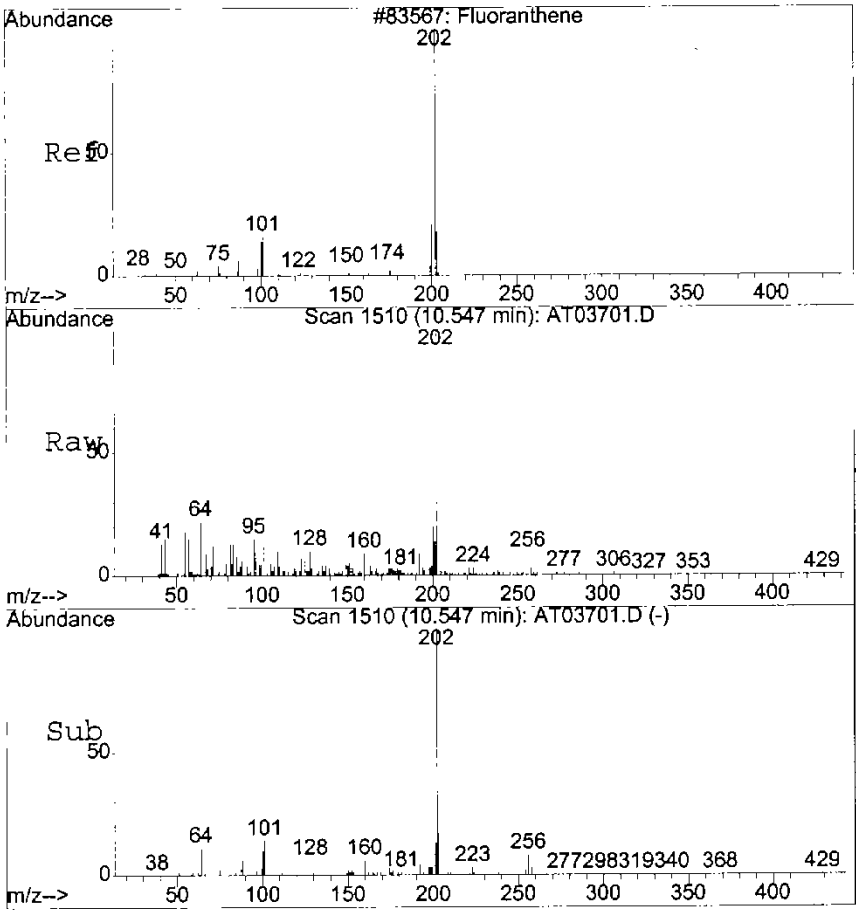


#75
Di-n-butylphthalate
Concen: 4681.06 ug/L
RT: 9.93 min Scan# 1395
Delta R.T. 0.00 min
Lab File: AT03701.D
Acq: 1 Mar 2005 2:15 pm

Tgt Ion:149 Resp: 3709808

Ion	Ratio	Lower	Upper
149	100		
150	9.2	0.0	38.8

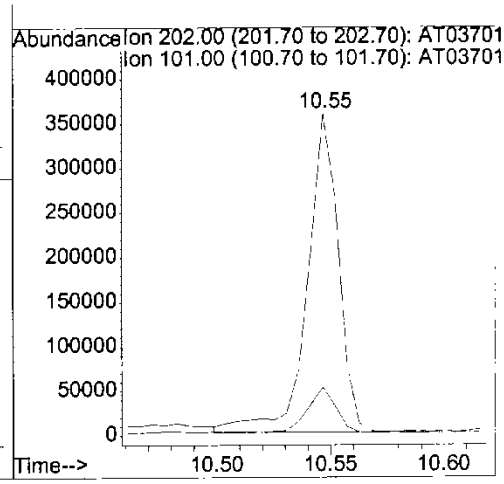


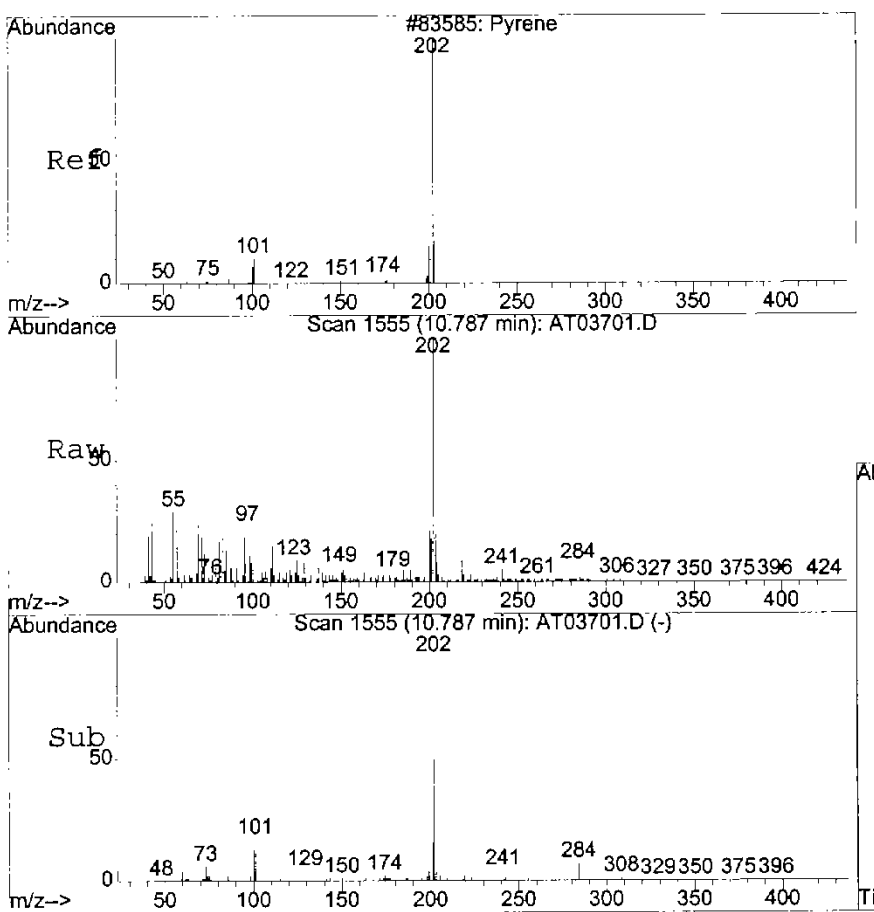


#76
Fluoranthene
Concen: 454.34 ug/L
RT: 10.55 min Scan# 1510
Delta R.T. 0.01 min
Lab File: AT03701.D
Acq: 1 Mar 2005 2:15 pm

Tgt Ion:202 Resp: 341885

Ion	Ratio	Lower	Upper
202	100		
101	14.2	0.0	43.1

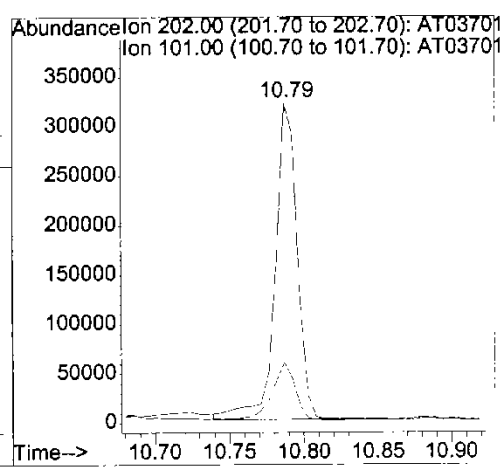


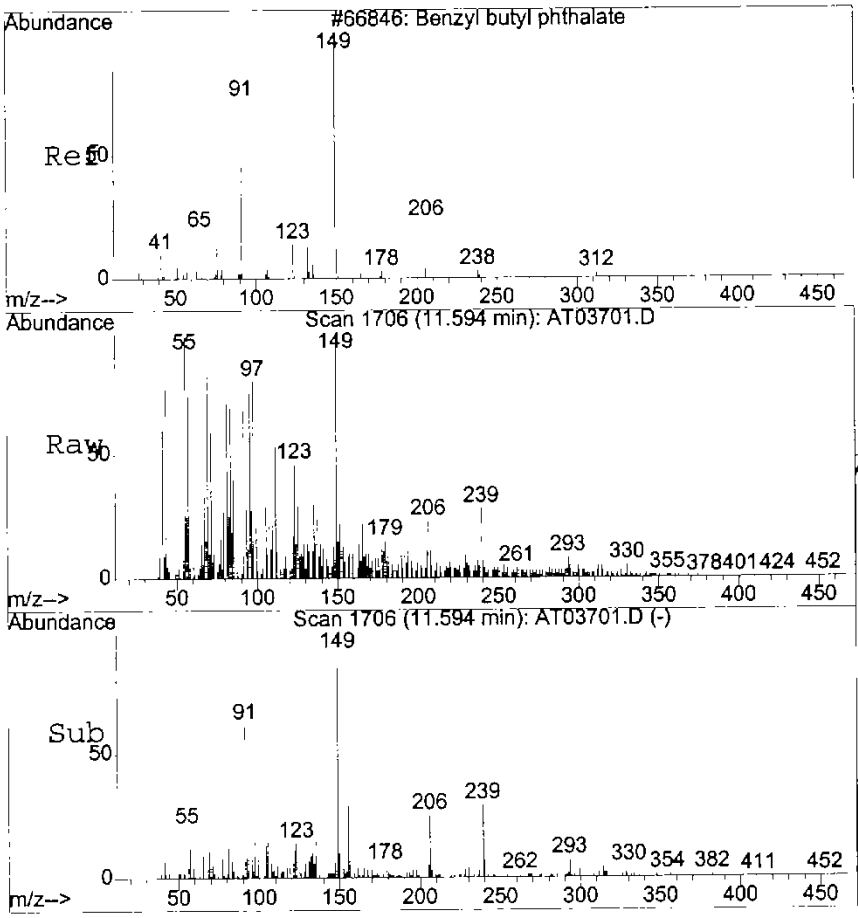


#77
Pyrene
Concen: 424.90 ug/L
RT: 10.79 min Scan# 1555
Delta R.T. 0.00 min
Lab File: AT03701.D
Acq: 1 Mar 2005 2:15 pm

Tgt Ion:202 Resp: 331634

Ion	Ratio	Lower	Upper
202	100		
101	18.2	0.0	44.9

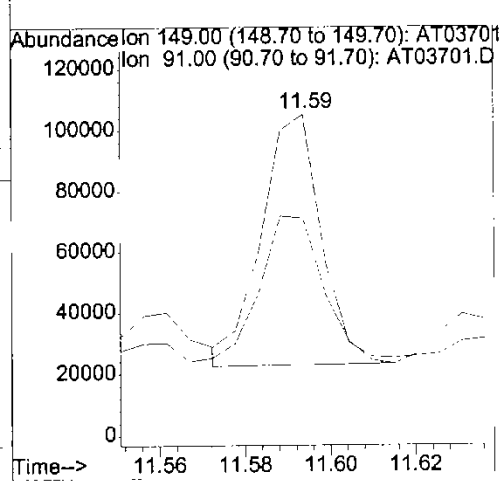


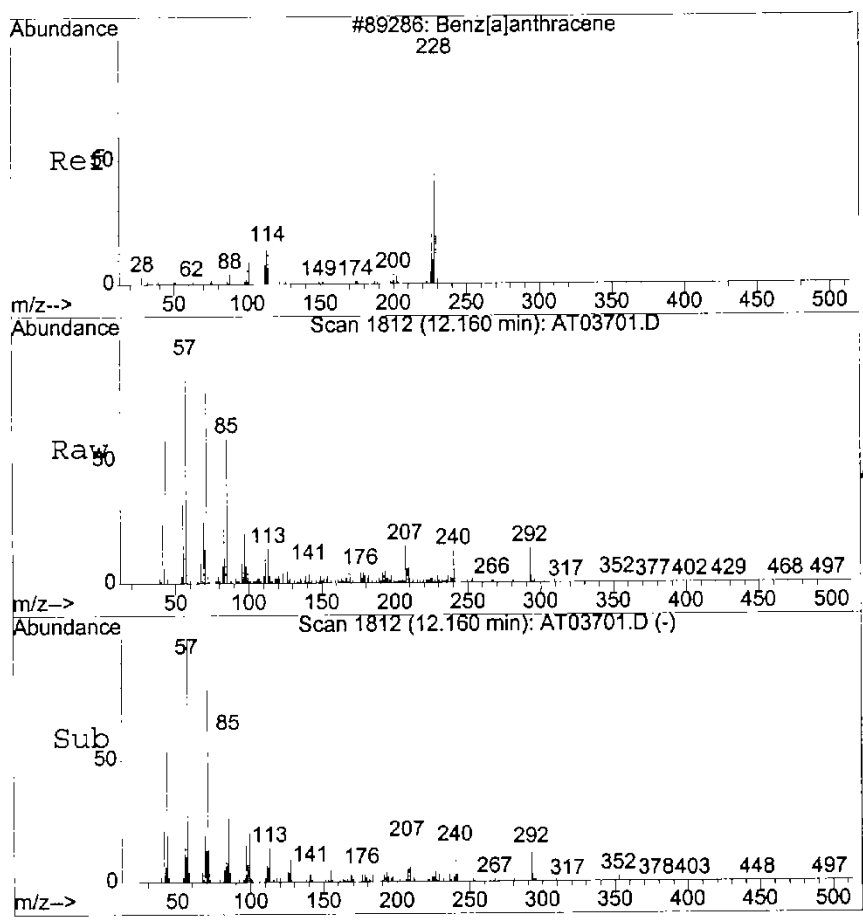


#81
Butylbenzylphthalate
Concen: 316.26 ug/L
RT: 11.59 min Scan# 1706
Delta R.T. 0.01 min
Lab File: AT03701.D
Acq: 1 Mar 2005 2:15 pm

Tgt Ion:149 Resp: 80631

Ion	Ratio	Lower	Upper
149	100		
91	60.1	30.6	90.6

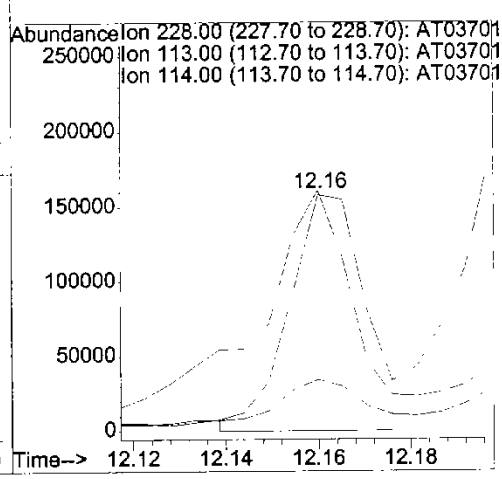


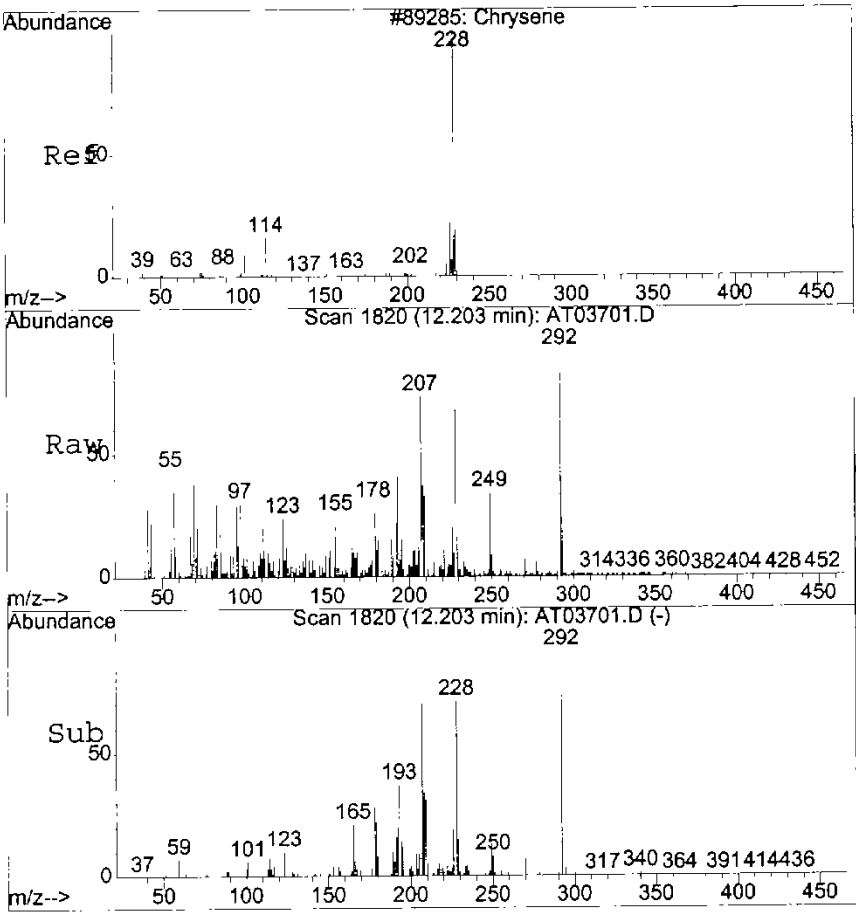


#82
Benzo(a)anthracene
Concen: 278.90 ug/L m
RT: 12.16 min Scan# 1812
Delta R.T. 0.01 min
Lab File: AT03701.D
Acq: 1 Mar 2005 2:15 pm

Tgt Ion:228 Resp: 181574

Ion	Ratio	Lower	Upper
228	100		
113	101.9	0.0	41.1#
114	21.8	0.0	42.7

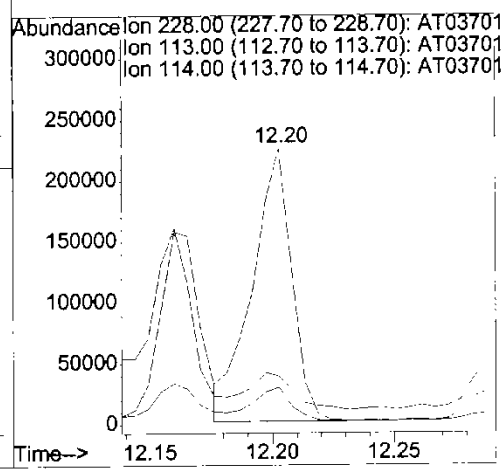


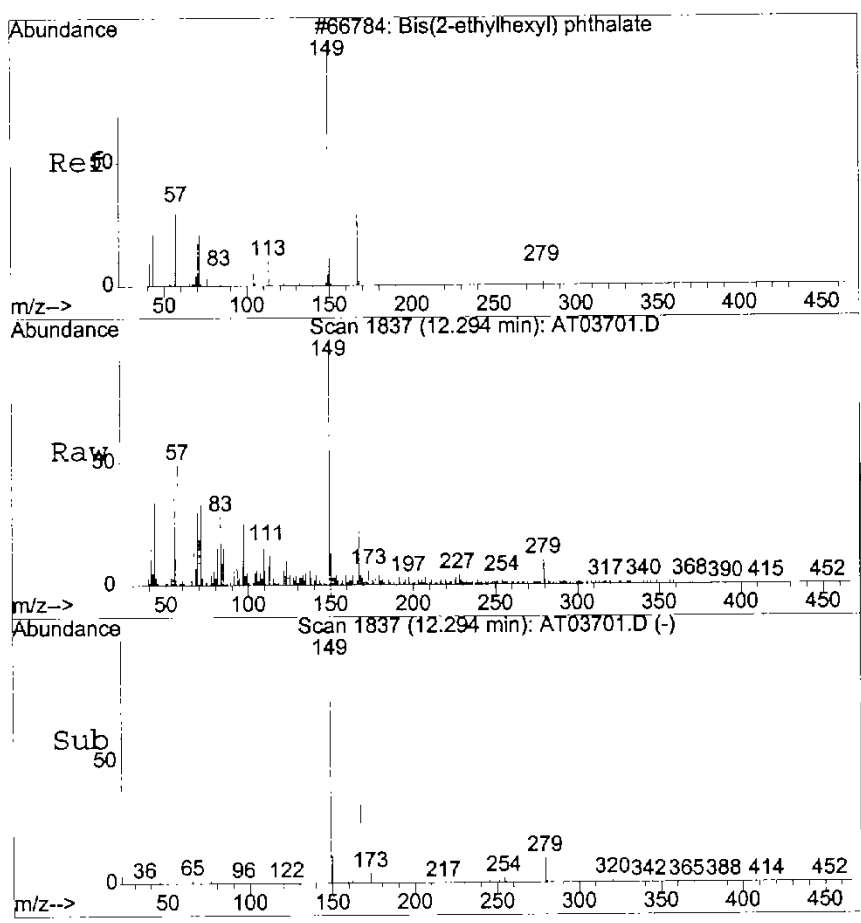


#84
Chrysene
Concen: 368.70 ug/L
RT: 12.20 min Scan# 1820
Delta R.T. 0.01 min
Lab File: AT03701.D
Acq: 1 Mar 2005 2:15 pm

Tgt Ion:228 Resp: 250193

Ion	Ratio	Lower	Upper
228	100		
113	10.4	0.0	42.9
114	11.4	0.0	41.2

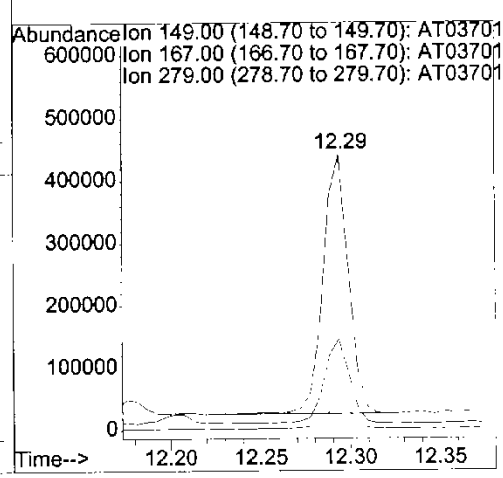


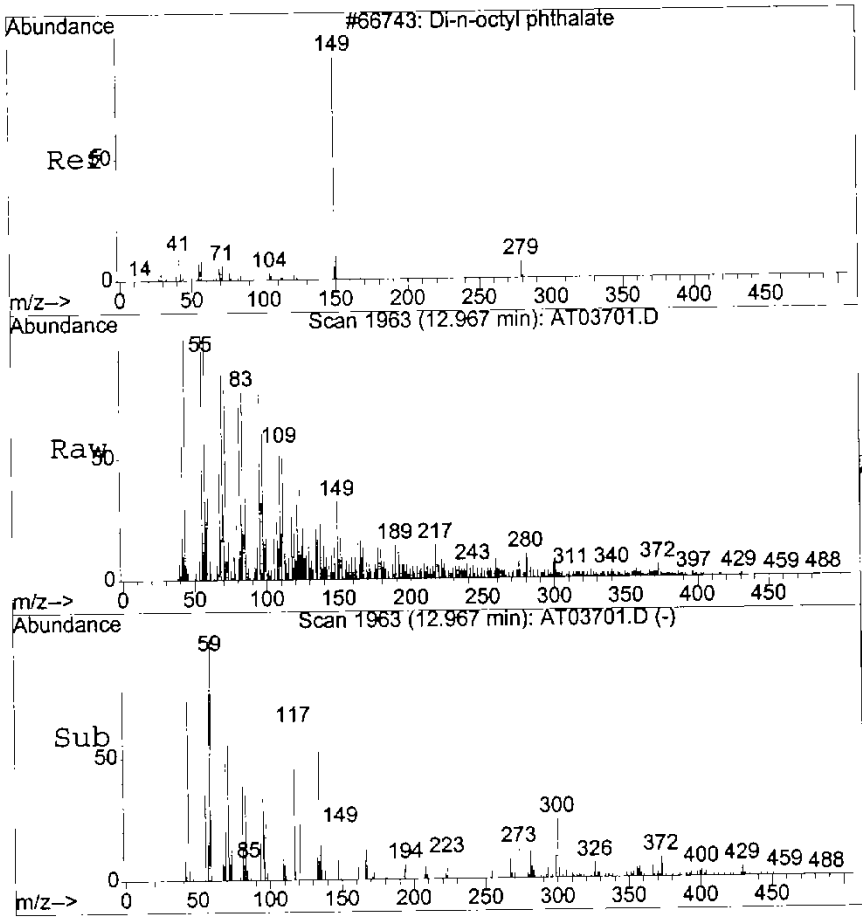


#85
bis(2-Ethylhexyl)phthalate
Concen: 974.54 ug/L
RT: 12.29 min Scan# 1837
Delta R.T. 0.01 min
Lab File: AT03701.D
Acq: 1 Mar 2005 2:15 pm

Tgt Ion:149 Resp: 409774

Ion	Ratio	Lower	Upper
149	100		
167	32.3	2.4	62.4
279	9.8	0.0	39.8

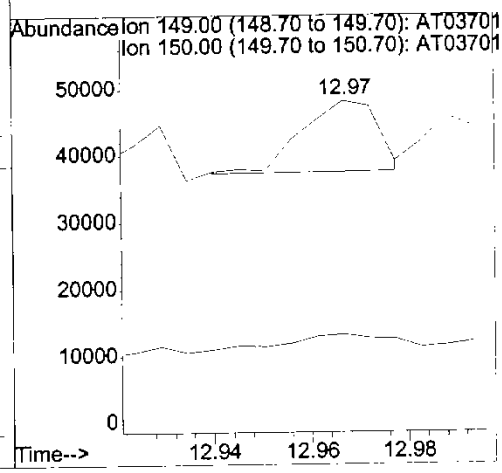


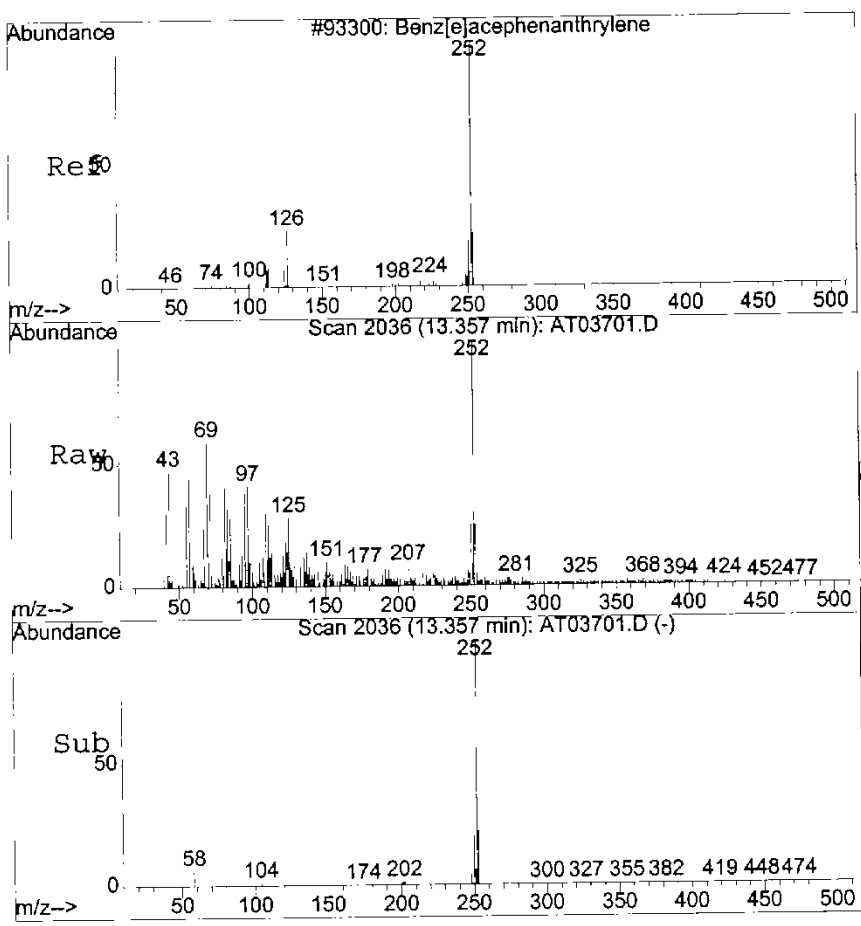


#87
Di-n-octylphthalate
Concen: 19.13 ug/L
RT: 12.97 min Scan# 1963
Delta R.T. 0.02 min
Lab File: AT03701.D
Acq: 1 Mar 2005 2:15 pm

Tgt Ion:149 Resp: 11474

Ion	Ratio	Lower	Upper
149	100		
150	14.3	0.0	39.5

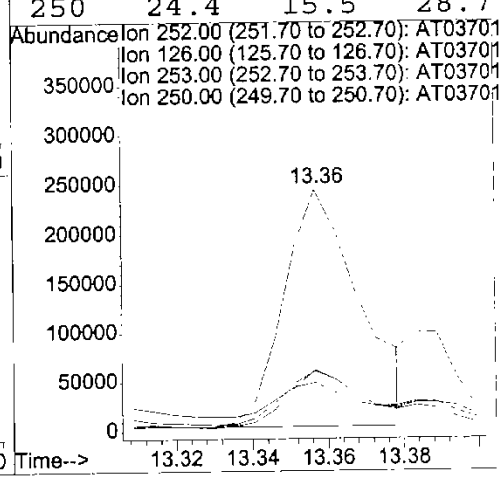


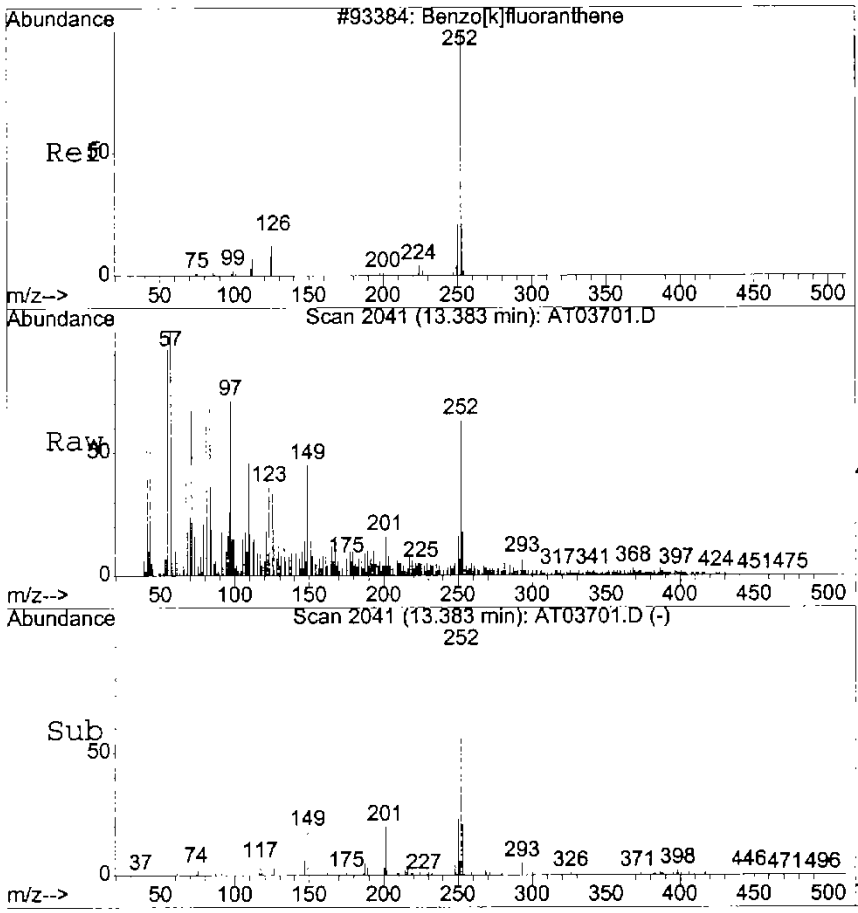


#88
Benzo(b)fluoranthene
Concen: 506.79 ul/l
RT: 13.36 min Scan# 2036
Delta R.T. 0.02 min
Lab File: AT03701.D
Acq: 1 Mar 2005 2:15 pm

Tgt Ion:252 Resp: 335628

Ion	Ratio	Lower	Upper
252	100		
126	14.4	11.5	21.5
253	22.9	15.2	28.2
250	24.4	15.5	28.7

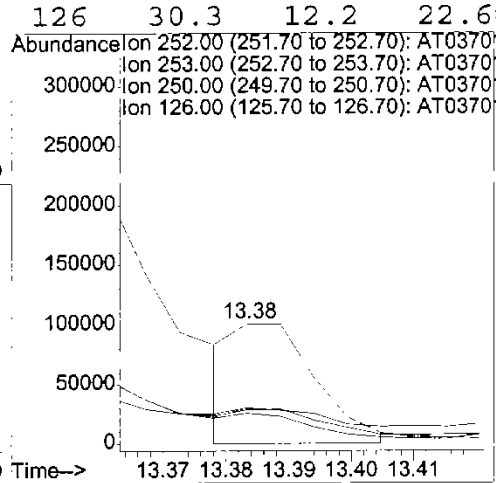


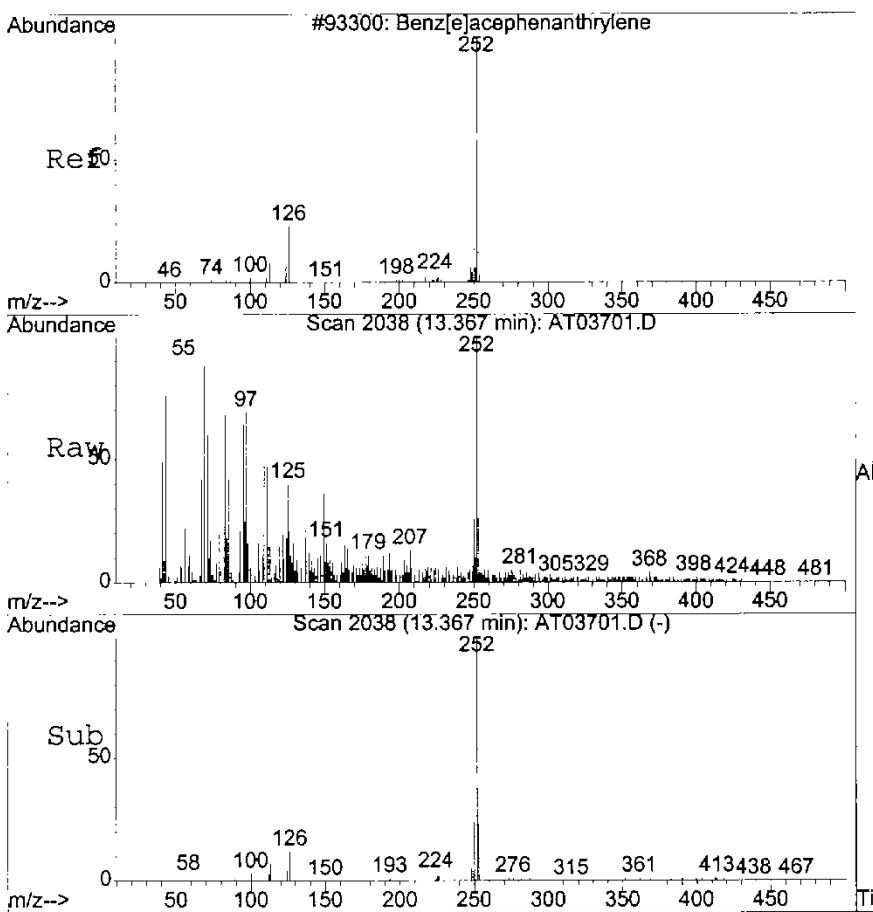


#89
benzo(k)fluoranthene
Concen: 155.01 ul/l m
RT: 13.38 min Scan# 2041
Delta R.T. 0.01 min
Lab File: AT03701.D
Acq: 1 Mar 2005 2:15 pm

Tgt Ion:252 Resp: 92105

Ion	Ratio	Lower	Upper
252	100		
253	28.7	15.3	28.5#
250	25.6	15.5	28.9
126	30.3	12.2	22.6#

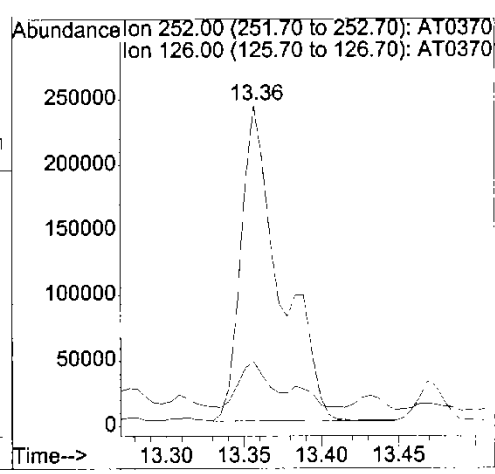


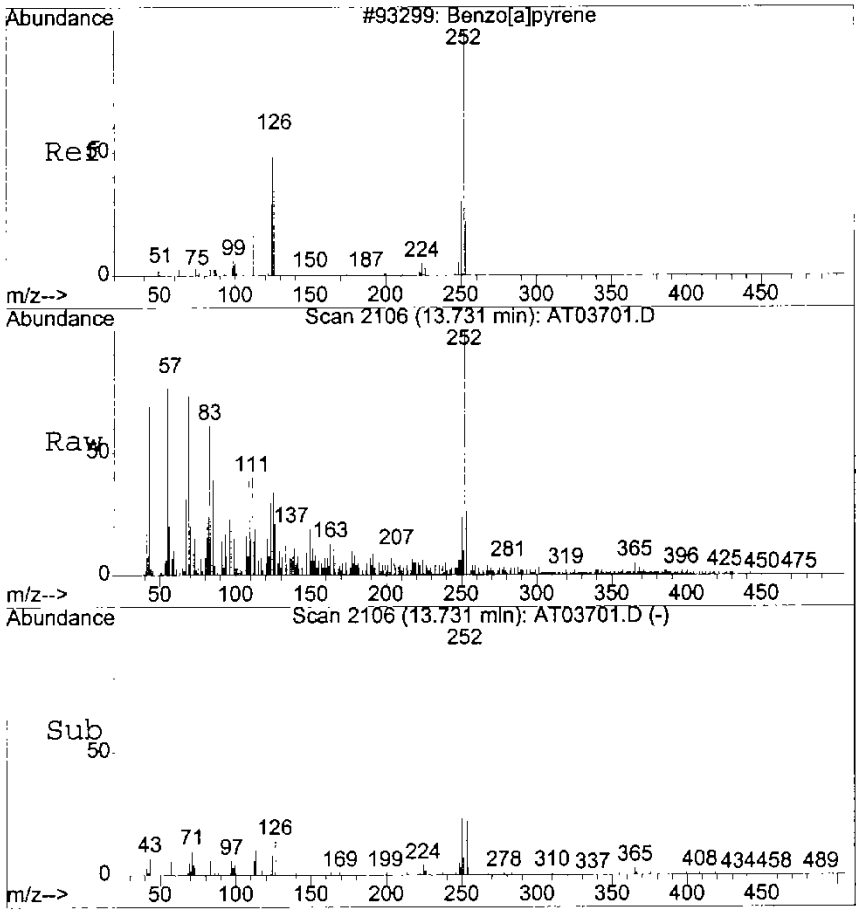


#90
Benzofluoranthenes
Concen: 706.30 ug/L
RT: 13.37 min Scan# 2038
Delta R.T. 0.01 min
Lab File: AT03701.D
Acq: 1 Mar 2005 2:15 pm

Tgt Ion:252 Resp: 425103

Ion	Ratio	Lower	Upper
252	100		
126	11.5	0.0	47.4

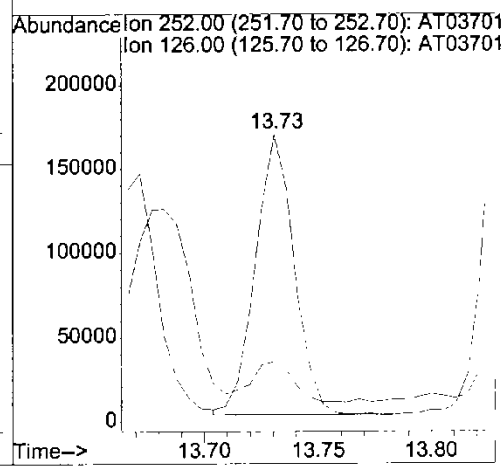


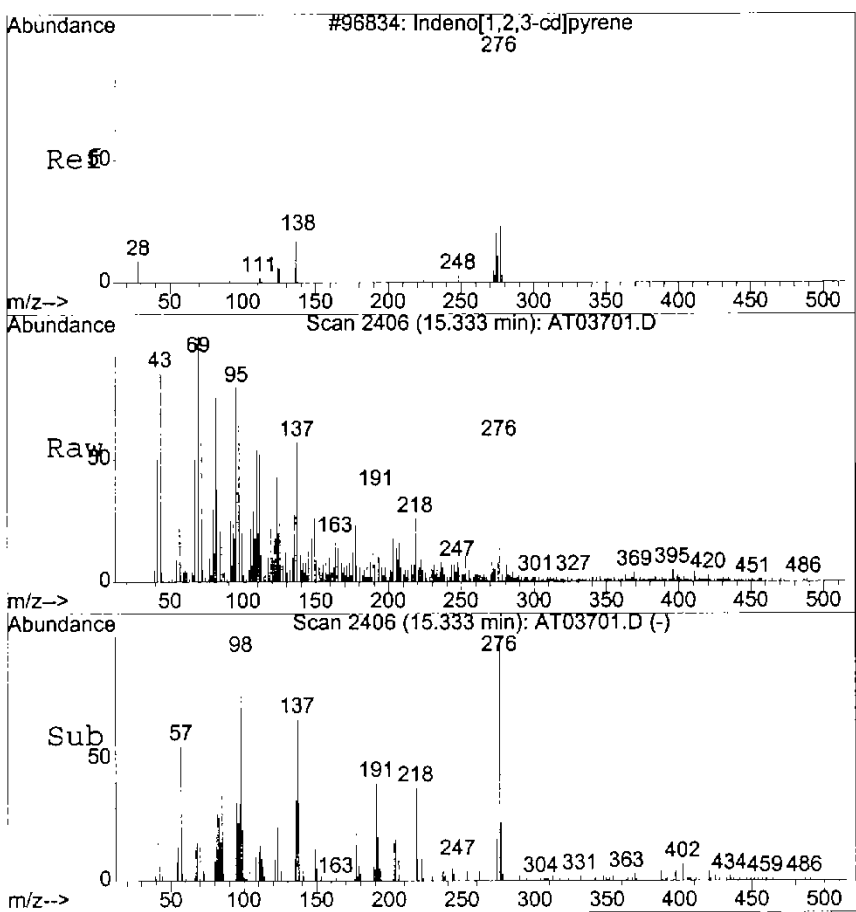


#91
Benzo(a)pyrene
Concen: 379.58 ug/L
RT: 13.73 min Scan# 2106
Delta R.T. 0.02 min
Lab File: AT03701.D
Acq: 1 Mar 2005 2:15 pm

Tgt Ion:252 Resp: 195876

Ion	Ratio	Lower	Upper
252	100		
126	10.7	0.0	45.3

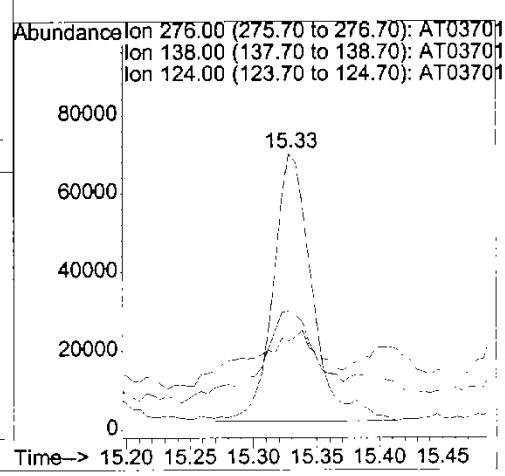


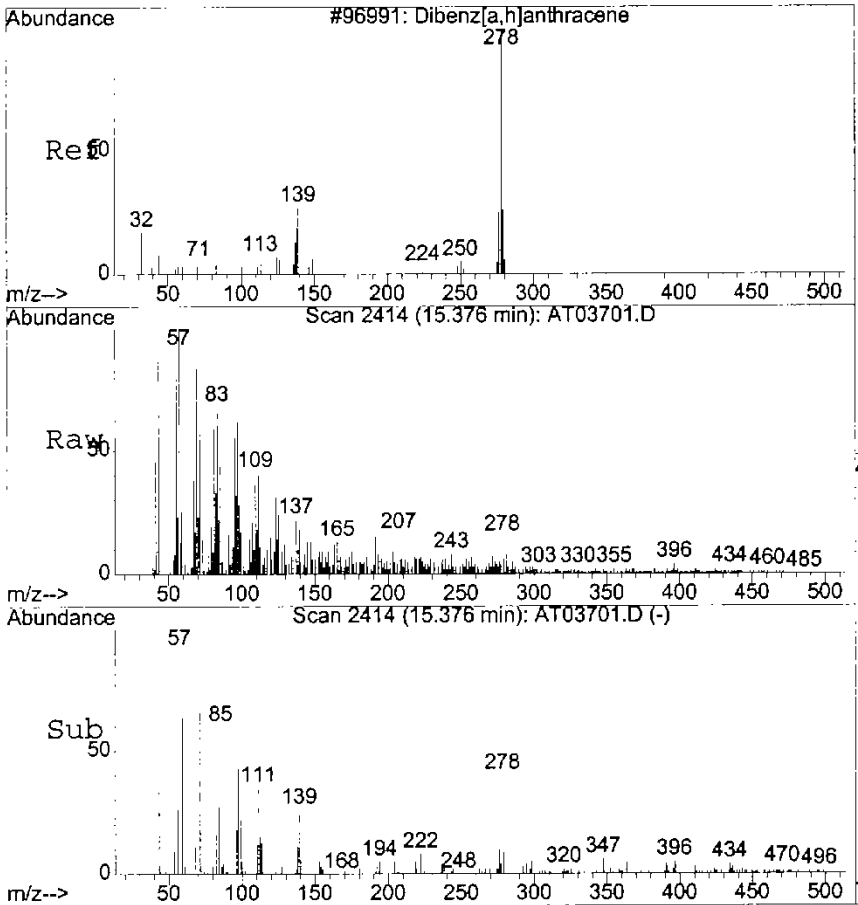


#92
Indeno(1,2,3-cd)pyrene
Concen: 273.09 ug/L
RT: 15.33 min Scan# 2406
Delta R.T. 0.04 min
Lab File: AT03701.D
Acq: 1 Mar 2005 2:15 pm

Tgt Ion:276 Resp: 145642

Ion	Ratio	Lower	Upper
276	100		
138	27.5	0.0	51.8
124	9.1	0.0	35.4

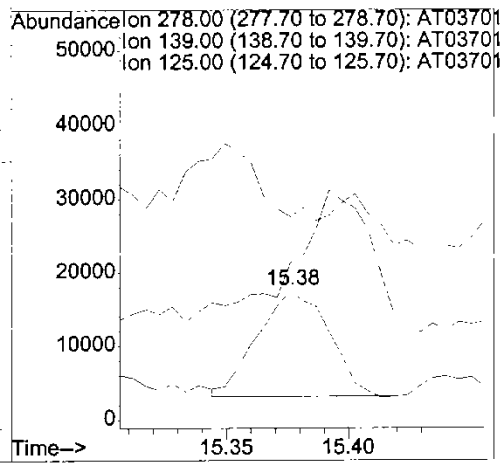


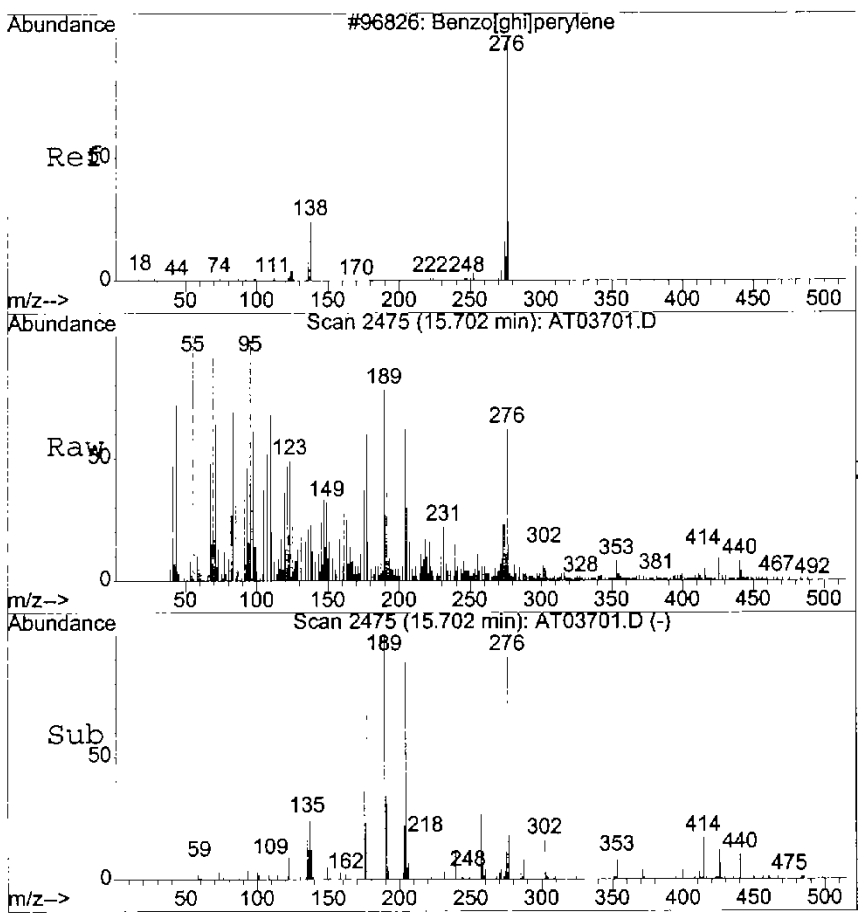


#93
Dibenz(a,h)anthracene
Concen: 59.64 ug/L
RT: 15.38 min Scan# 2414
Delta R.T. 0.03 min
Lab File: AT03701.D
Acq: 1 Mar 2005 2:15 pm

Tgt Ion:278 Resp: 28600

Ion	Ratio	Lower	Upper
278	100		
139	45.5	0.0	46.7
125	0.0	0.0	35.8

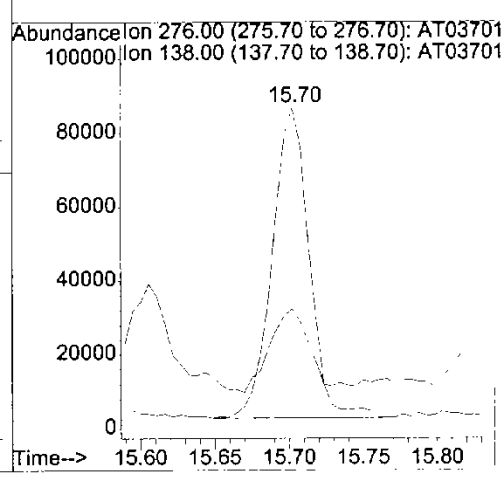




#94
Benzo(g,h,i)perylene
Concen: 252.68 ug/L
RT: 15.70 min Scan# 2475
Delta R.T. 0.04 min
Lab File: AT03701.D
Acq: 1 Mar 2005 2:15 pm

Tgt Ion:276 Resp: 145630

Ion	Ratio	Lower	Upper
276	100		
138	23.0	0.0	54.3

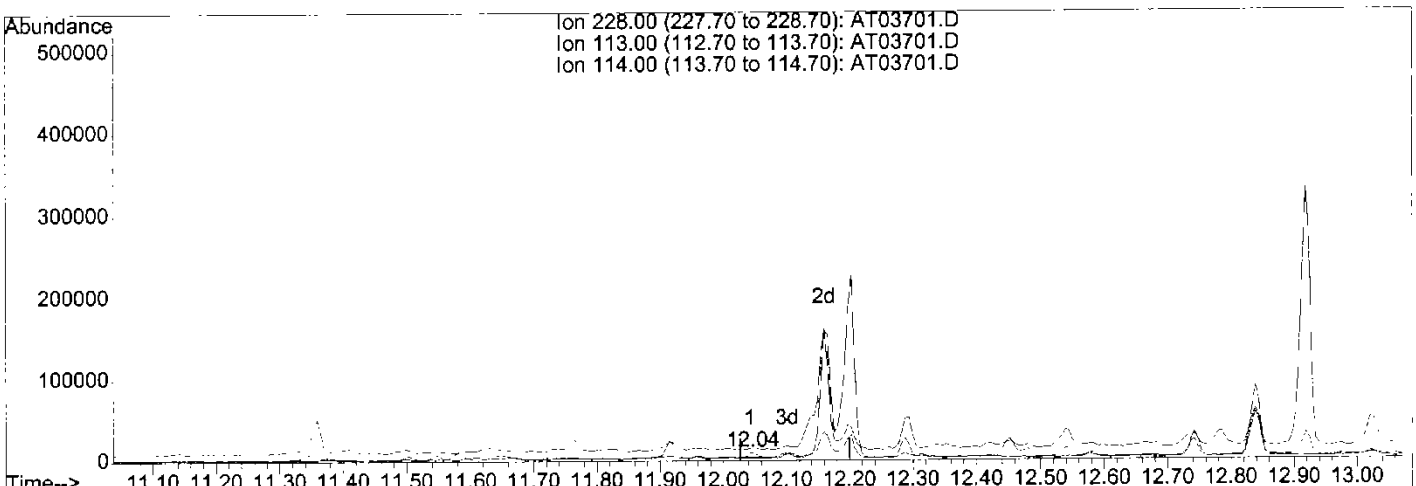


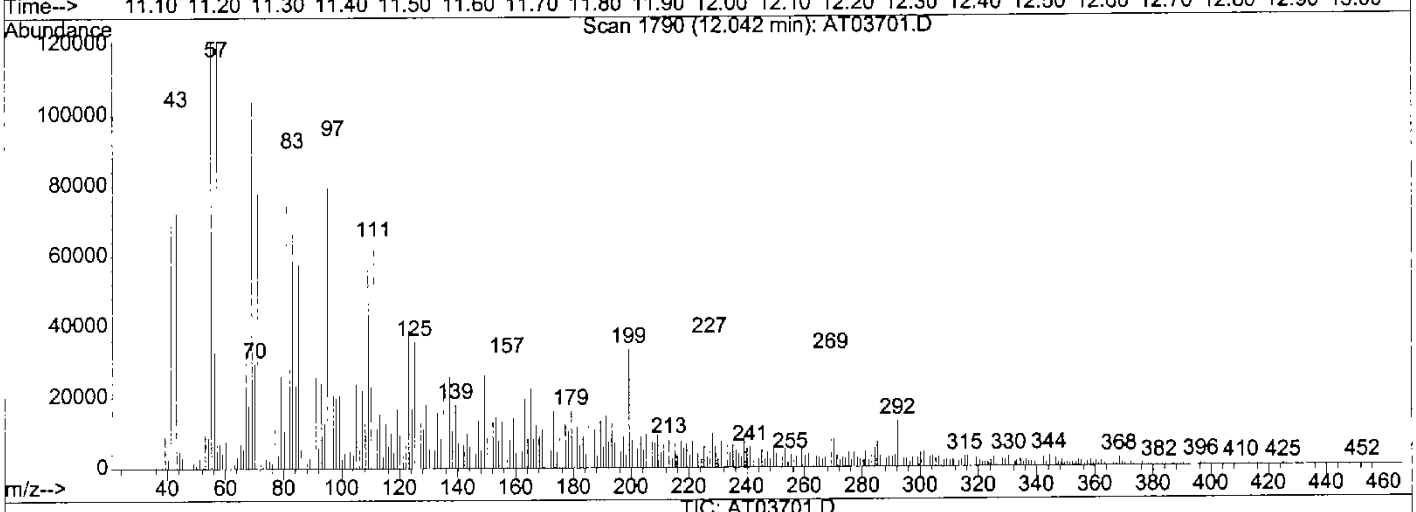
Quantitation Report (Qedit)

Data File : H:\DATA\030105_A\AT03701.D
Acq On : 1 Mar 2005 2:15 pm
Sample : 126377-1 &1
Misc :
MS Integration Params: Rteint.p
Quant Time: Mar 2 6:31 2005

Vial: 15
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: temp.res

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Feb 28 14:16:48 2005
Response via : Multiple Level Calibration





(82) Benzo(a)anthracene (T)

12.04min 7.66ug/L

response 4984

Ion	Exp%	Act%
228.00	100	100
113.00	11.10	38.08
114.00	12.70	6.48
0.00	0.00	0.00

3/2/05

AT03701.D 8270_022505.M Wed Mar 02 08:05:09 2005 MSD1

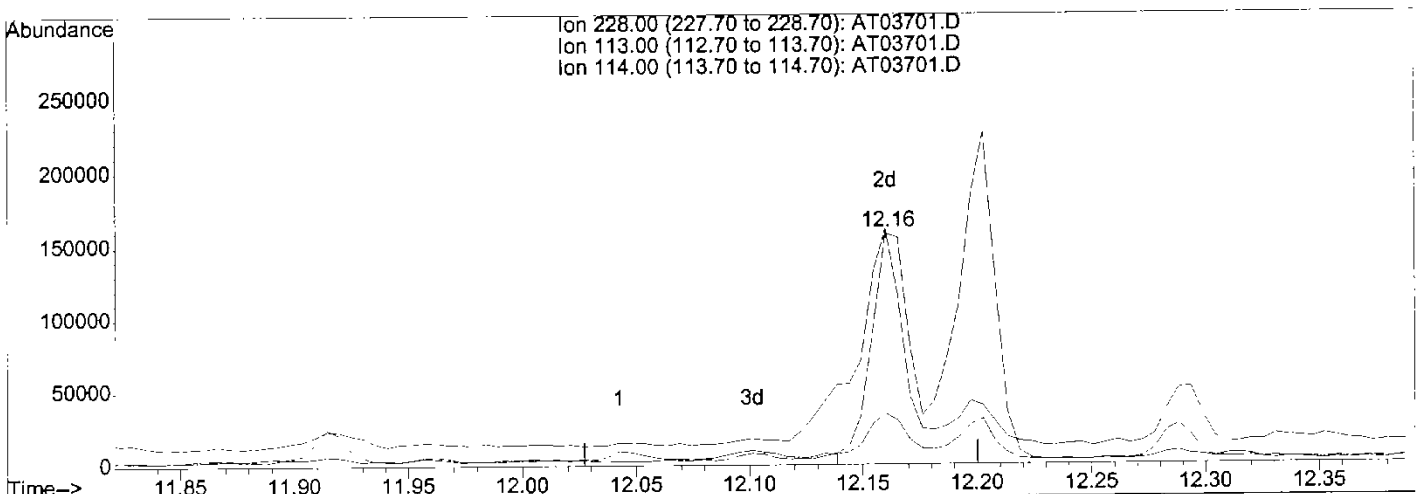
00232

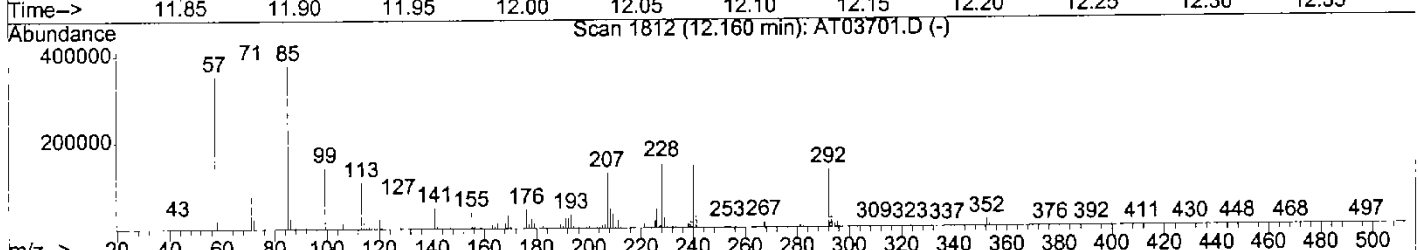
Quantitation Report (Qedit)

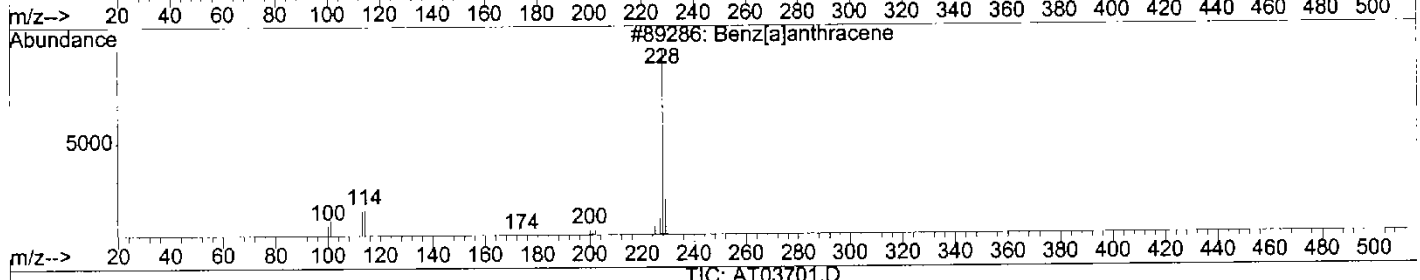
Data File : H:\DATA\030105_A\AT03701.D
Acq On : 1 Mar 2005 2:15 pm
Sample : 126377-1 &1
Misc :
MS Integration Params: Rteint.p
Quant Time: Mar 2 8:05 2005

Vial: 15
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: temp.res

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Feb 28 14:16:48 2005
Response via : Multiple Level Calibration







(82) Benzo(a)anthracene (T)

12.16min 278.90ug/L m

response 181574

Ion	Exp%	Act%
228.00	100	100
113.00	11.10	101.94#
114.00	12.70	21.77
0.00	0.00	0.00

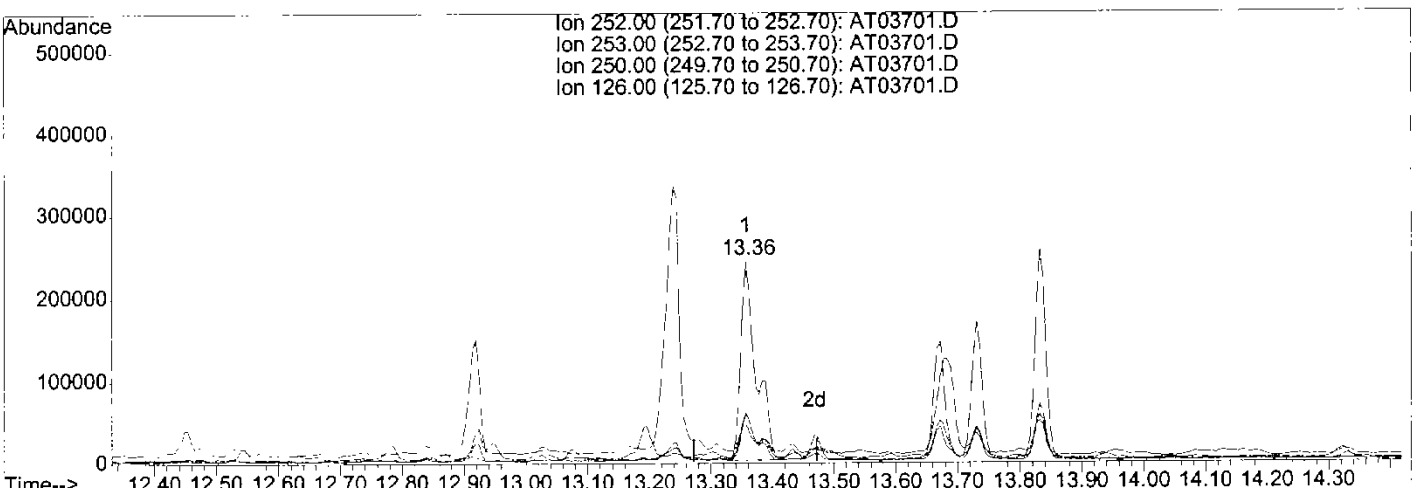
3/2/05

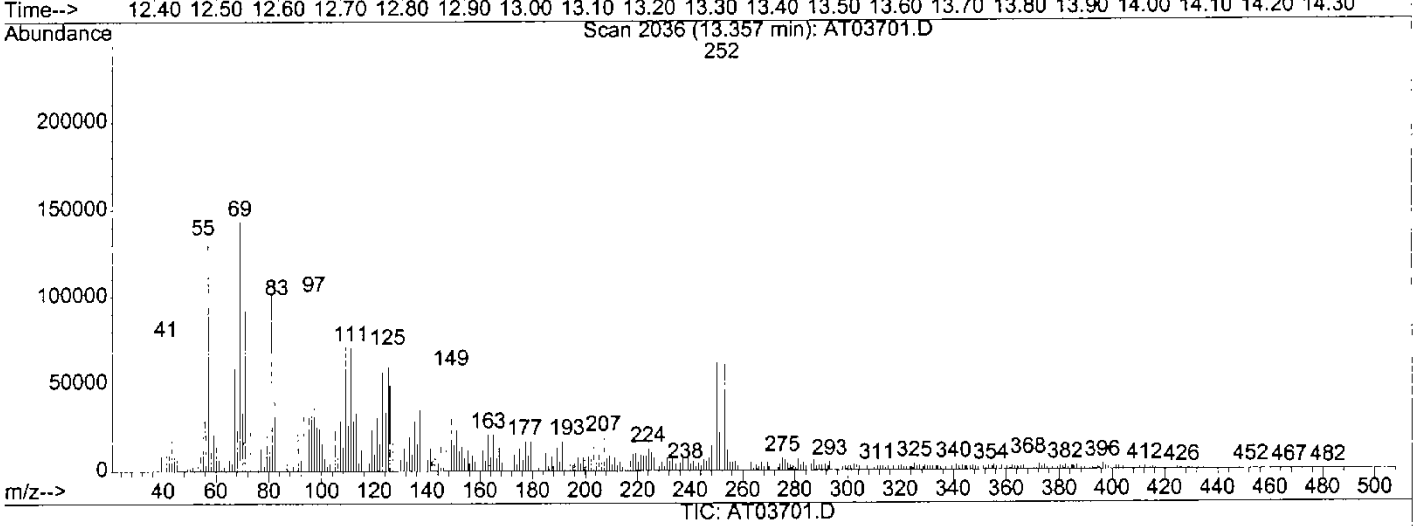
Quantitation Report (Qedit)

Data File : H:\DATA\030105_A\AT03701.D
Acq On : 1 Mar 2005 2:15 pm
Sample : 126377-1 &1
Misc :
MS Integration Params: Rteint.p
Quant Time: Mar 1 14:44 2005

Vial: 15
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: temp.res

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Feb 28 14:16:48 2005
Response via : Multiple Level Calibration





(89) benzo(k)fluoranthene (T)

13.36min 713.30ul/l

response 423829

Ion	Exp%	Act%
252.00	100	100
253.00	21.90	22.41
250.00	22.20	23.34
126.00	17.40	13.80

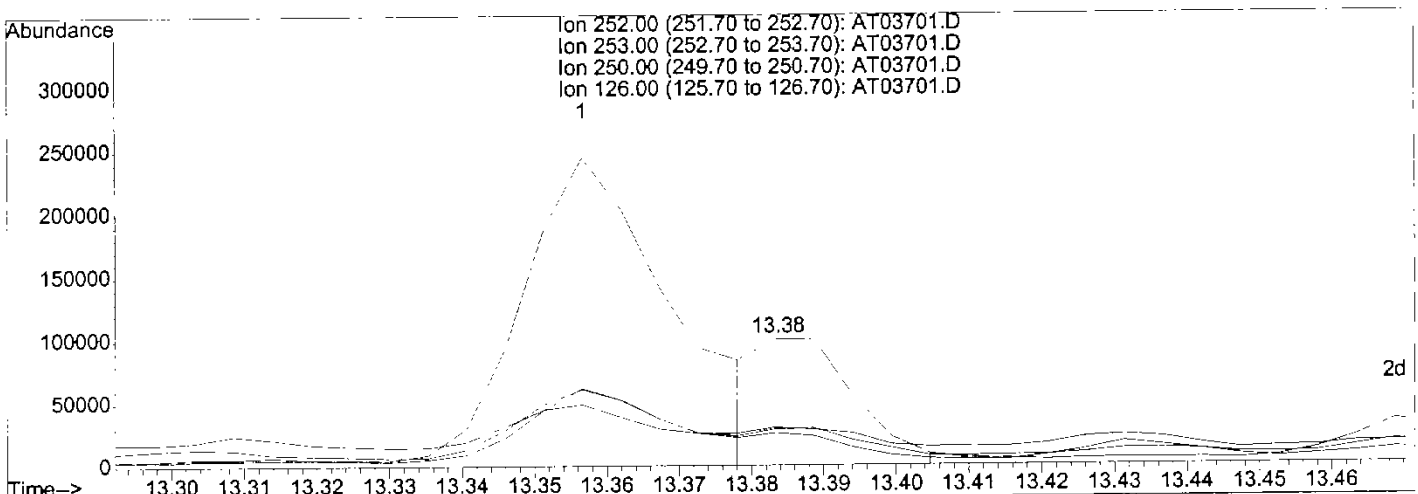
3/2/05

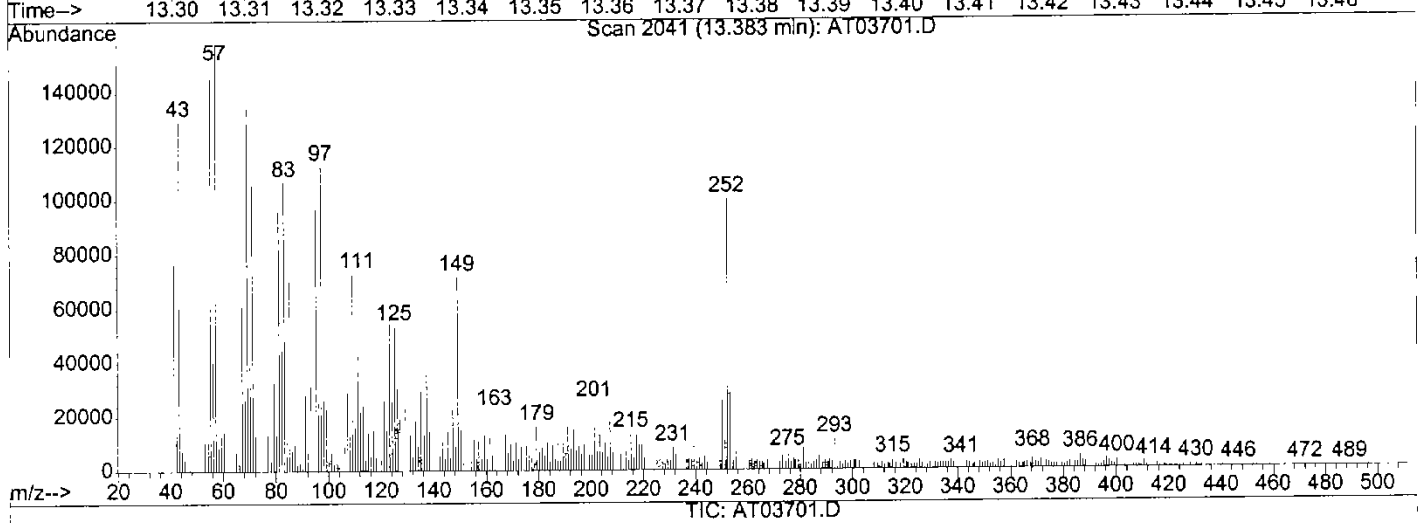
Quantitation Report (QedIt)

Data File : H:\DATA\030105_A\AT03701.D
Acq On : 1 Mar 2005 2:15 pm
Sample : 126377-1 &1
Misc :
MS Integration Params: Rteint.p
Quant Time: Mar 2 6:31 2005

Vial: 15
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: temp.res

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Feb 28 14:16:48 2005
Response via : Multiple Level Calibration





(89) benzo(k)fluoranthene (T)

13.38min 155.01ul/l m

response 92105

Ion	Exp%	Act%
252.00	100	100
253.00	21.90	28.65#
250.00	22.20	25.59
126.00	17.40	30.30#

AT03701.D 8270_022505.M Wed Mar 02 06:31:19 2005 MSD1

00235

Quantitation Report (QT Reviewed)

Data File : H:\DATA\030105_A\AT03708.D
Acq On : 1 Mar 2005 5:34 pm
Sample : 126377-1 &1 1:5 ss1348
Misc :
MS Integration Params: Rteint.p
Quant Time: Mar 02 06:26:53 2005

Vial: 22
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: 8270_022505.RES

Quant Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Feb 28 14:16:48 2005
Response via : Initial Calibration
DataAcq Meth : 8270

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4 (I)	5.43	152	251835	1000.000 ug/L	0.00
23) Naphthalene - d8 (I)	6.55	136	970959	1000.000 ug/L	0.00
39) Acenaphthene - d10 (I)	8.01	162	529485	1000.000 ug/L	0.00
63) Phenanthrene - d10 (I)	9.31	188	951096	1000.000 ug/L	0.00
80) Chrysene - d12 (I)	12.17	240	947365	1000.000 ul/l	0.00
86) Perylene - d12 (I)	13.79	264	917108	1000.000 ug/L	0.01
System Monitoring Compounds					
4) 2 - Fluorophenol (S)	4.14	112	24612	116.72 ug/L	0.00
8) Phenol - d5 (S)	5.14	99	31801	134.00 ug/L	0.01
24) Nitrobenzene - d5 (S)	5.94	82	15173	76.21 ug/L	0.00
44) 2 - Fluorobiphenyl (S)	7.46	172	41996	73.51 ug/L	0.00
66) 2,4,6 - Tribromophenol (S)	8.68	330	12435	158.48 ug/L	0.00
79) p - Terphenyl - d14 (S)	11.00	244	85185	147.93 ug/L	0.00
Target Compounds					Qvalue
3) Pyridine	2.66	79	4097	195.686 ug/L	97
6) Benzaldehyde	5.04	105	12962	67.980 ul/L	97
9) Phenol	5.15	94	5500	21.735 ug/L	86
12) Decane	5.31	57	1391	5.430 ul/L	82
15) Benzyl alcohol	5.59	79	2643	39.665 ug/L	83
19) 3-&4-Methylphenol	5.83	108	2706	38.847 ug/L	85
21) Acetophenone	5.81	105	2424	13.218 ul/L	79
27) 2-Nitrophenol	6.23	139	559	5.042 ug/L	84
30) Benzoic Acid	6.35	105	19600	525.920 ug/L	90
33) Naphthalene	6.56	128	6204	8.279 ug/L	81
36) 4-Chloro-3-methylphenol	7.03	107	279	38.345 ug/L	75
37) 2-Methylnaphthalene	7.15	141	16553	41.690 ug/L	95
38) 1-Methylnaphthalene	7.23	141	13503	32.641 ul/l	75
46) Biphenyl	7.54	154	6318	10.644 ul/L	99
48) Dimethylphthalate	7.80	163	2569	5.167 ug/L	92
49) Acenaphthylene	7.89	152	3801	5.205 ug/L	85
50) 2,6-Dinitrotoluene	7.90	165	194	27.369 ug/L	71
51) 3-Nitroaniline	7.98	138	442	Below Cal #	43
52) Acenaphthene	8.03	153	4779	9.946 ug/L	93
55) Dibenzofuran	8.17	168	4784	7.432 ug/L	95
56) 2,4-Dinitrotoluene	8.22	165	815	36.273 ug/L	92
59) Diethylphthalate	8.39	149	18797	35.744 ug/L	89
60) Fluorene	8.46	166	5585	11.274 ug/L	89
62) 4-Nitroaniline	8.51	138	970	13.697 ug/L	73
71) Phenanthrene	9.33	178	40981	52.850 ug/L	98
72) Anthracene	9.38	178	7560	10.750 ug/L	91

(#) = qualifier out of range (m) = manual integration

00236

Data File : H:\DATA\030105_A\AT03708.D
Acq On : 1 Mar 2005 5:34 pm
Sample : 126377-1 &1 1:5 ss1348
Misc :
MS Integration Params: Rteint.p
Quant Time: Mar 02 06:26:53 2005

Vial: 22
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: 8270_022505.RES

Quant Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Feb 28 14:16:48 2005
Response via : Initial Calibration
DataAcq Meth : 8270

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
73)	Octadecane	9.24	57	12639	56.166	ul/L	82
74)	Carbazole	9.55	167	4037	8.479	ug/L	88
75)	Di-n-butylphthalate	9.93	149	909034	1090.597	ug/L	99
76)	Fluoranthene	10.55	202	80413	101.606	ug/L	94
77)	Pyrene	10.79	202	75265	91.689	ug/L	95
78)	Benzidine	10.80	184	787	6.992	ul/l	21
81)	Butylbenzylphthalate	11.59	149	19190	125.522	ug/L	95
82)	Benzo(a)anthracene	12.16	228	38914m	56.544	ug/L	
84)	Chrysene	12.20	228	53390	74.429	ug/L	92
85)	bis(2-Ethylhexyl)phthalate	12.29	149	92659	208.464	ug/L	96
88)	Benzo(b)fluoranthene	13.36	252	74534	105.266	ul/l	95
89)	benzo(k)fluoranthene	13.38	252	26403m	37.509	ul/l	
90)	Benzofluoranthenes	13.37	252	108299	151.886	ug/L	98
91)	Benzo(a)pyrene	13.73	252	45374	74.221	ug/L	92
92)	Indeno(1,2,3-cd)pyrene	15.32	276	39820	77.891	ug/L	94
93)	Dibenz(a,h)anthracene	15.36	278	8652	24.643	ug/L	68
94)	Benzo(g,h,i)perylene	15.68	276	42752	62.614	ug/L	96

3/2/05

(#) = qualifier out of range (m) = manual integration

00237

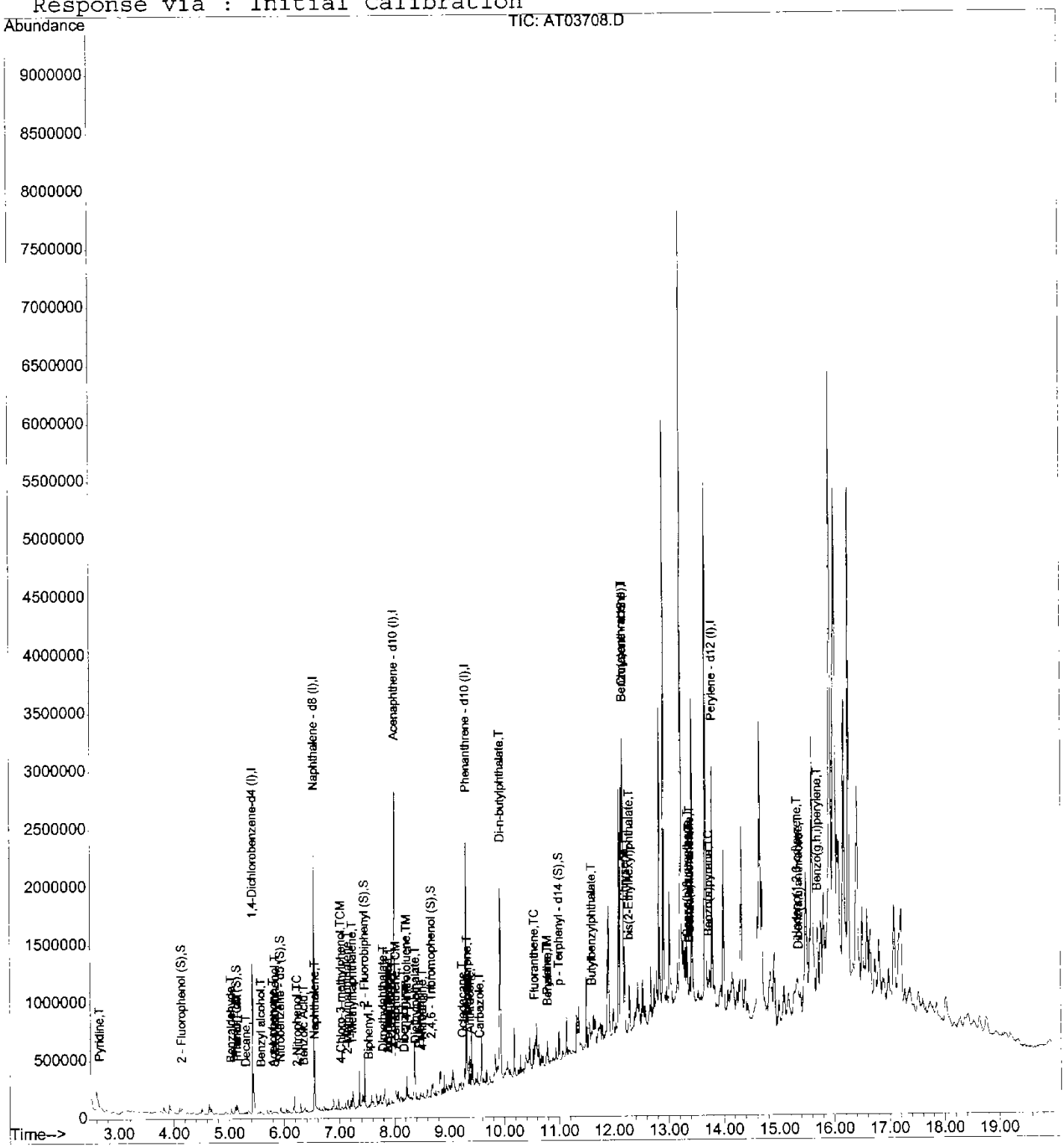
Quantitation Report (QT Reviewed)

Data File : H:\DATA\030105_A\AT03708.D
Acq On : 1 Mar 2005 5:34 pm
Sample : 126377-1 &1 1:5 ss1348
Misc :
MS Integration Params: Rteint.p
Quant Time: Mar 2 8:14 2005

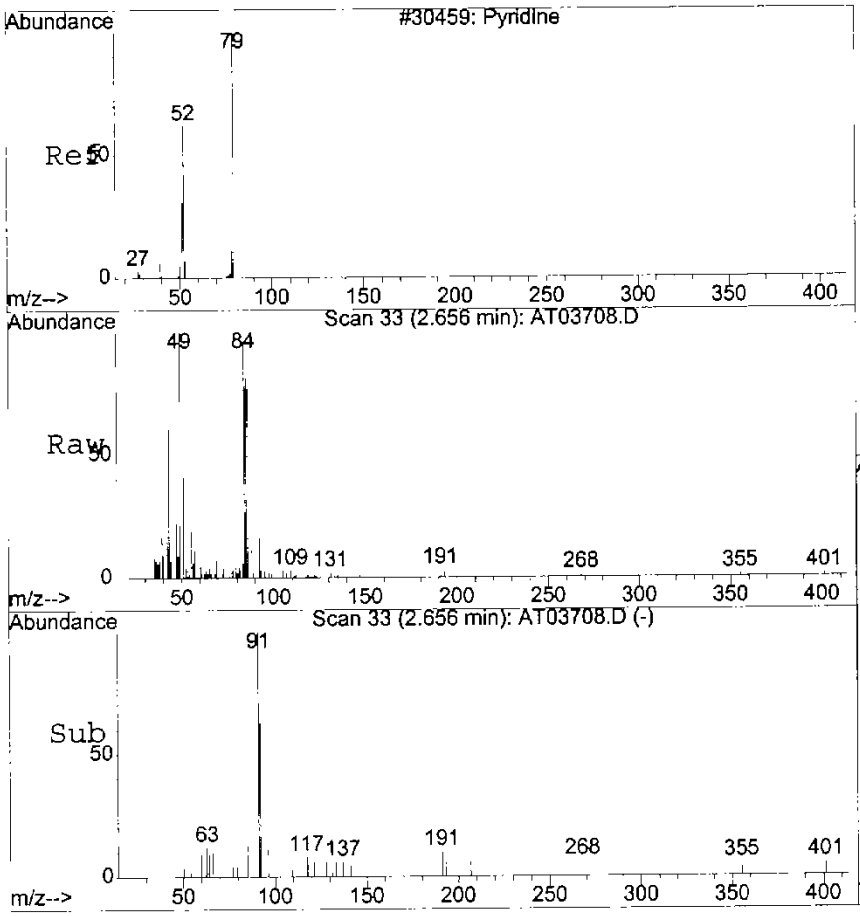
Vial: 22
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00

Quant Results File: 8270_022505.

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Feb 28 14:16:48 2005
Response via : Initial Calibration



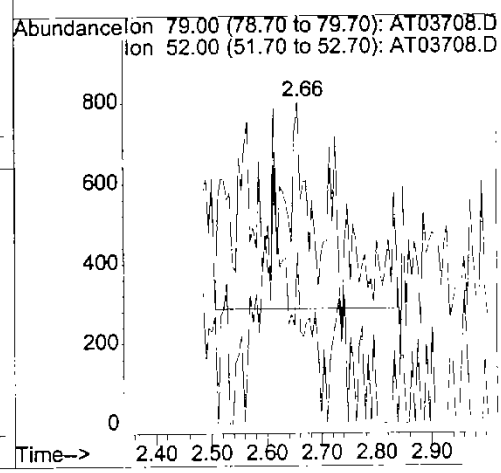
00238

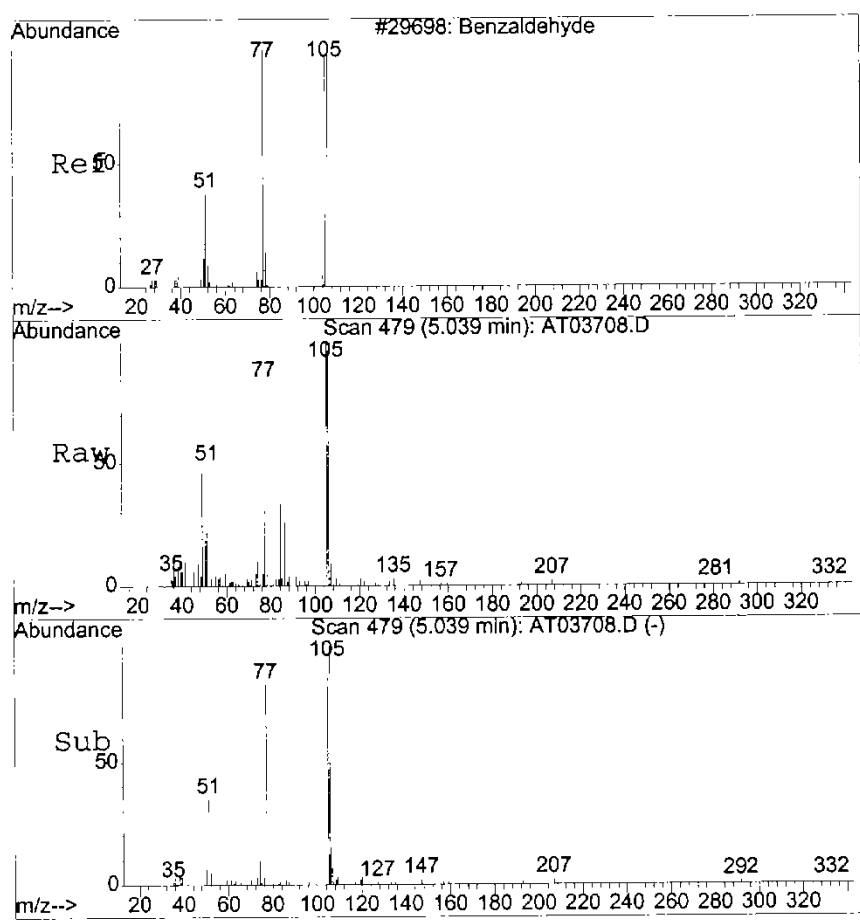


#3
Pyridine
Concen: 195.69 ug/L
RT: 2.66 min Scan# 33
Delta R.T. 0.10 min
Lab File: AT03708.D
Acq: 1 Mar 2005 5:34 pm

Tgt Ion: 79 Resp: 4097

Ion	Ratio	Lower	Upper
79	100		
52	62.2	29.7	89.7

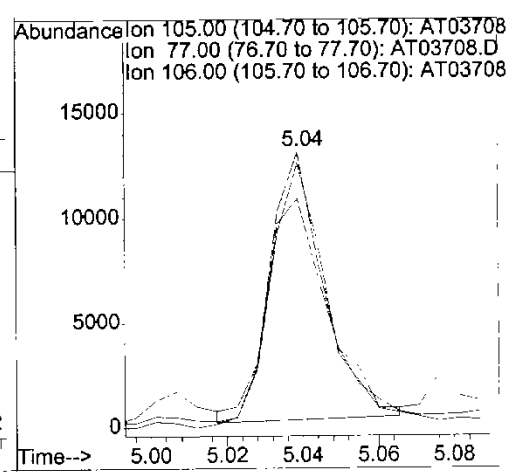




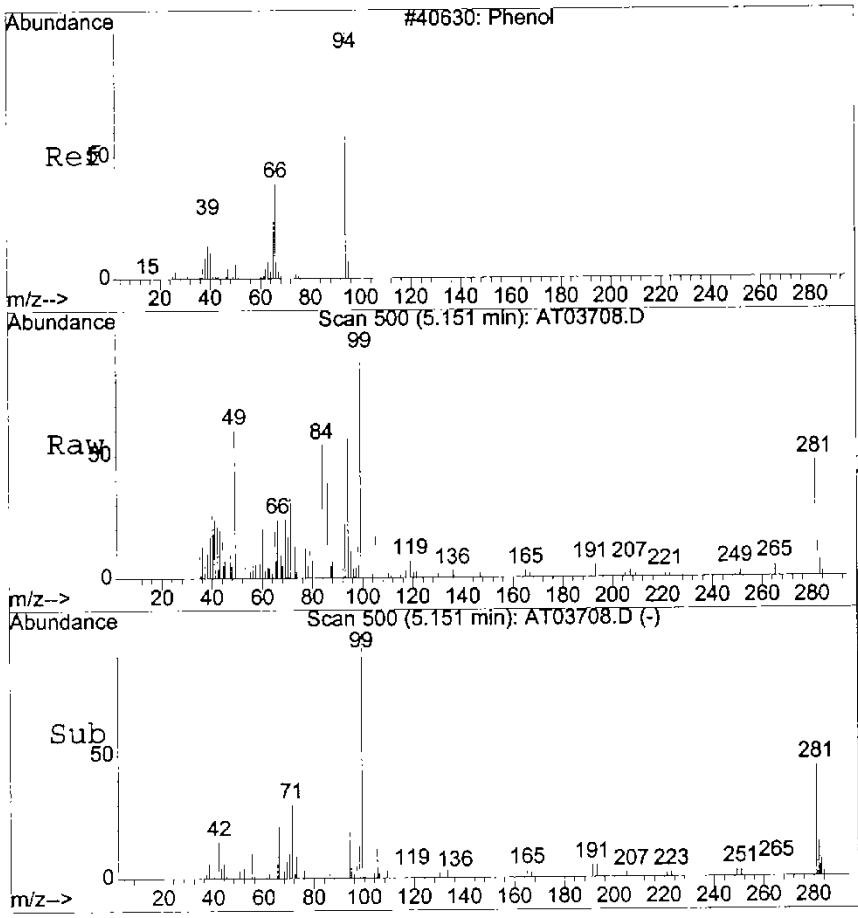
#6
Benzaldehyde
Concen: 67.98 ul/L
RT: 5.04 min Scan# 479
Delta R.T. -0.02 min
Lab File: AT03708.D
Acq: 1 Mar 2005 5:34 pm

Tgt Ion:105 Resp: 12962

Ion	Ratio	Lower	Upper
105	100		
77	91.8	63.9	123.9
106	106.2	72.0	132.0



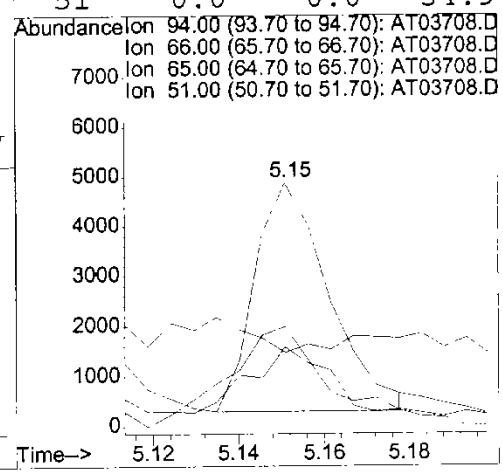
00239

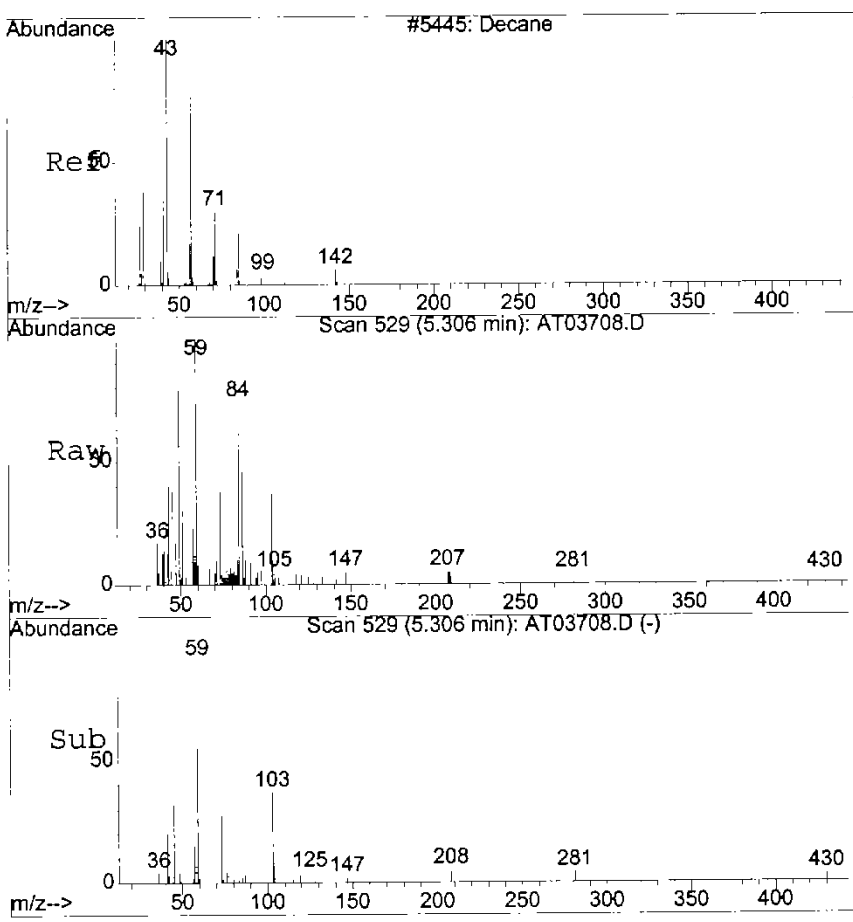


#9
Phenol
Concen: 21.73 ug/L
RT: 5.15 min Scan# 500
Delta R.T. 0.00 min
Lab File: AT03708.D
Acq: 1 Mar 2005 5:34 pm

Tgt Ion: 94 Resp: 5500

Ion	Ratio	Lower	Upper
94	100		
66	31.9	14.1	74.1
65	26.8	1.3	61.3
51	0.0	0.0	34.9

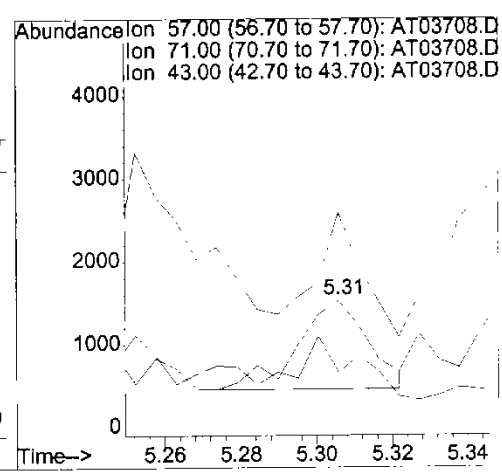


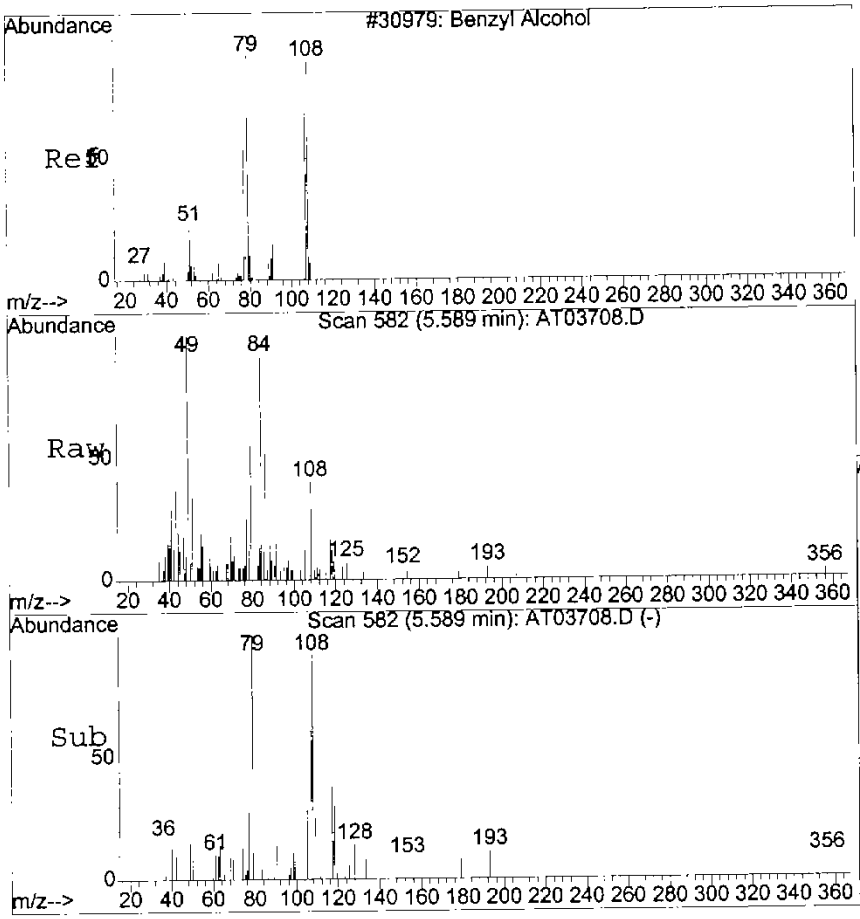


#12
Decane
Concen: 5.43 ul/L
RT: 5.31 min Scan# 529
Delta R.T. 0.00 min
Lab File: AT03708.D
Acq: 1 Mar 2005 5:34 pm

Tgt Ion: 57 Resp: 1391

Ion	Ratio	Lower	Upper
57	100		
71	61.5	13.9	73.9
43	90.5	48.7	108.7

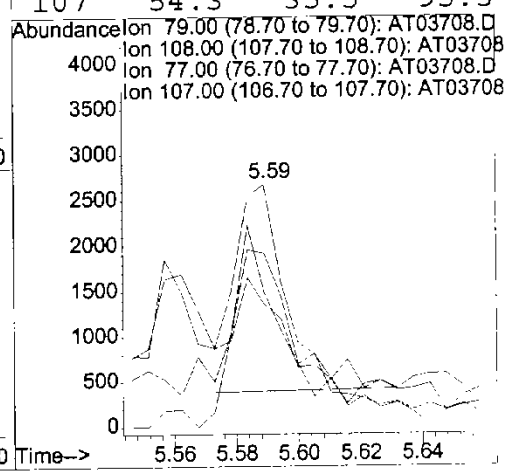


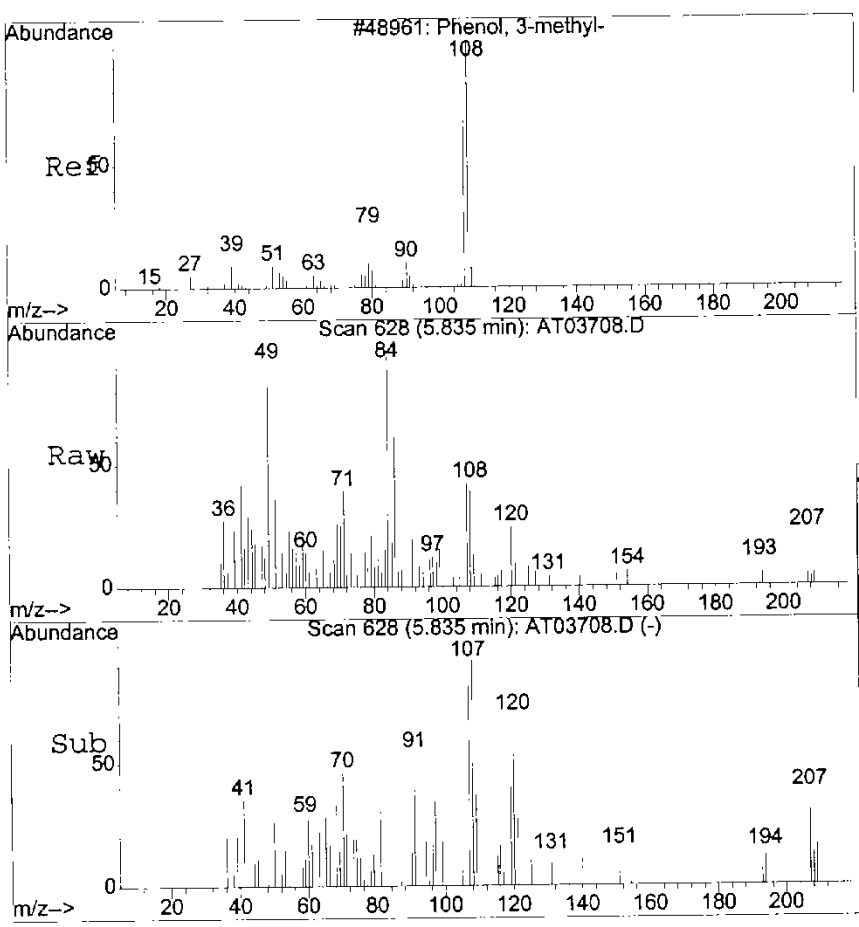


#15
Benzyl alcohol
Concen: 39.67 ug/L
RT: 5.59 min Scan# 582
Delta R.T. 0.02 min
Lab File: AT03708.D
Acq: 1 Mar 2005 5:34 pm

Tgt Ion: 79 Resp: 2643

Ion	Ratio	Lower	Upper
79	100		
108	84.0	62.2	122.2
77	35.7	29.8	89.8
107	54.3	35.5	95.5

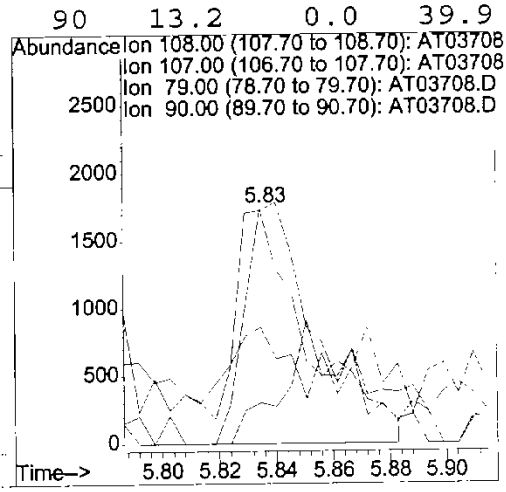


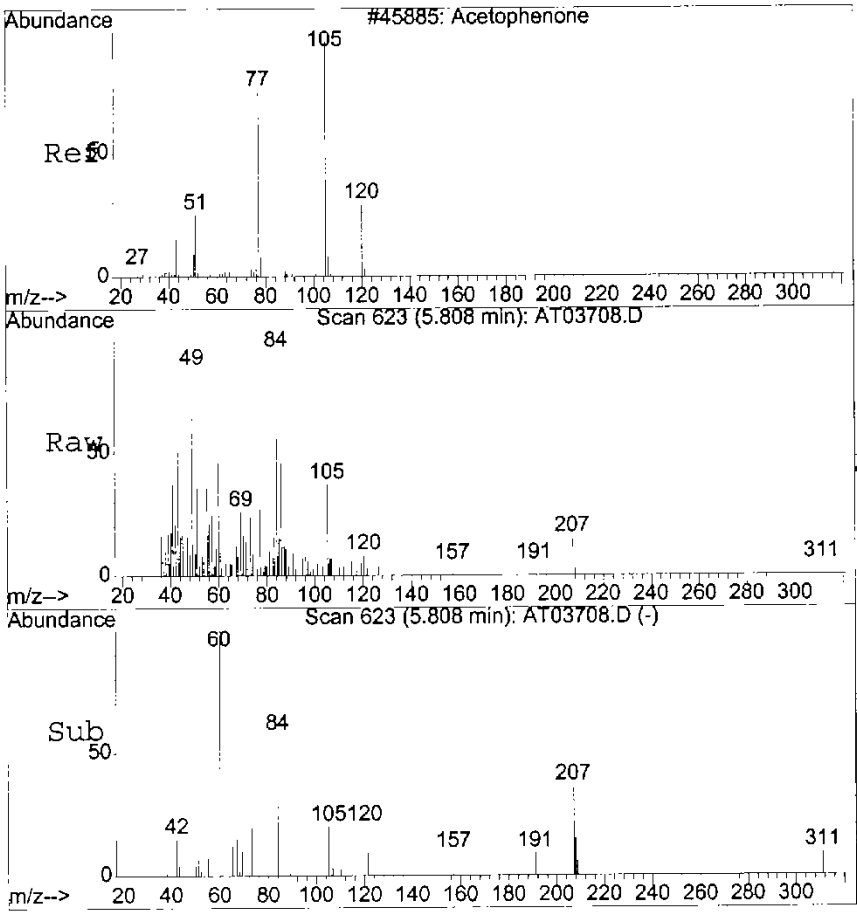


#19
3-&4-Methylphenol
Concen: 38.85 ug/L
RT: 5.83 min Scan# 628
Delta R.T. 0.03 min
Lab File: AT03708.D
Acq: 1 Mar 2005 5:34 pm

Tgt Ion:108 Resp: 2706

Ion	Ratio	Lower	Upper
108	100		
107	87.6	75.6	135.6
79	21.2	0.0	55.6
90	13.2	0.0	39.9

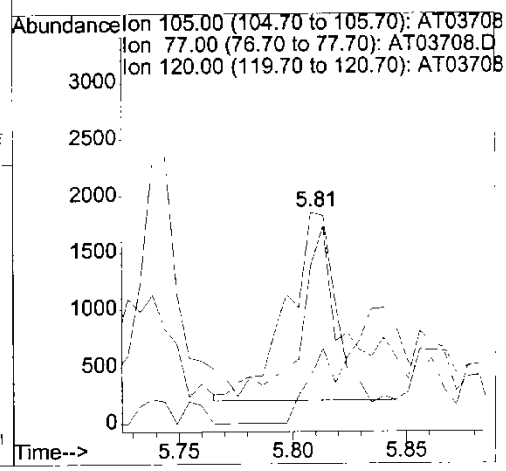


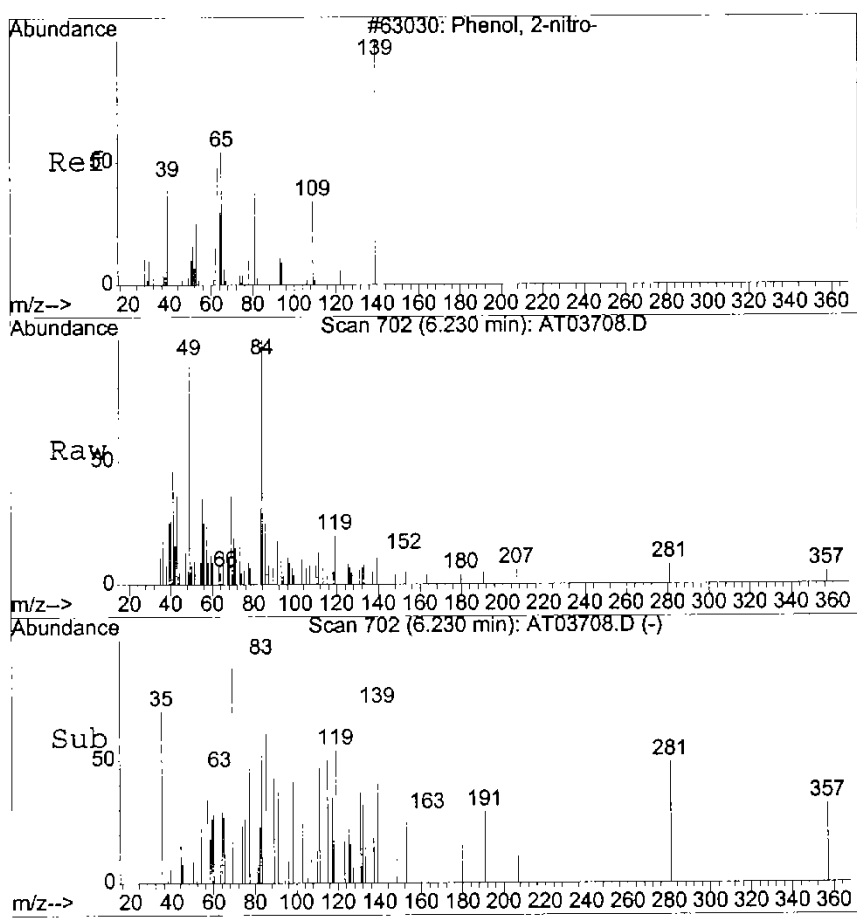


#21
Acetophenone
Concen: 13.22 ul/L
RT: 5.81 min Scan# 623
Delta R.T. 0.02 min
Lab File: AT03708.D
Acq: 1 Mar 2005 5:34 pm

Tgt Ion:105 Resp: 2424

Ion	Ratio	Lower	Upper
105	100		
77	84.8	78.1	138.1
120	22.1	0.5	60.5

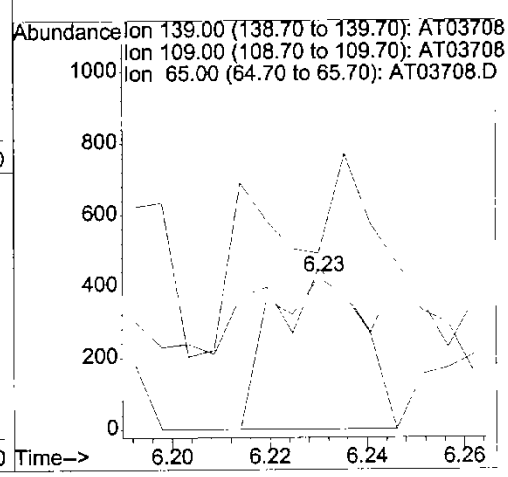




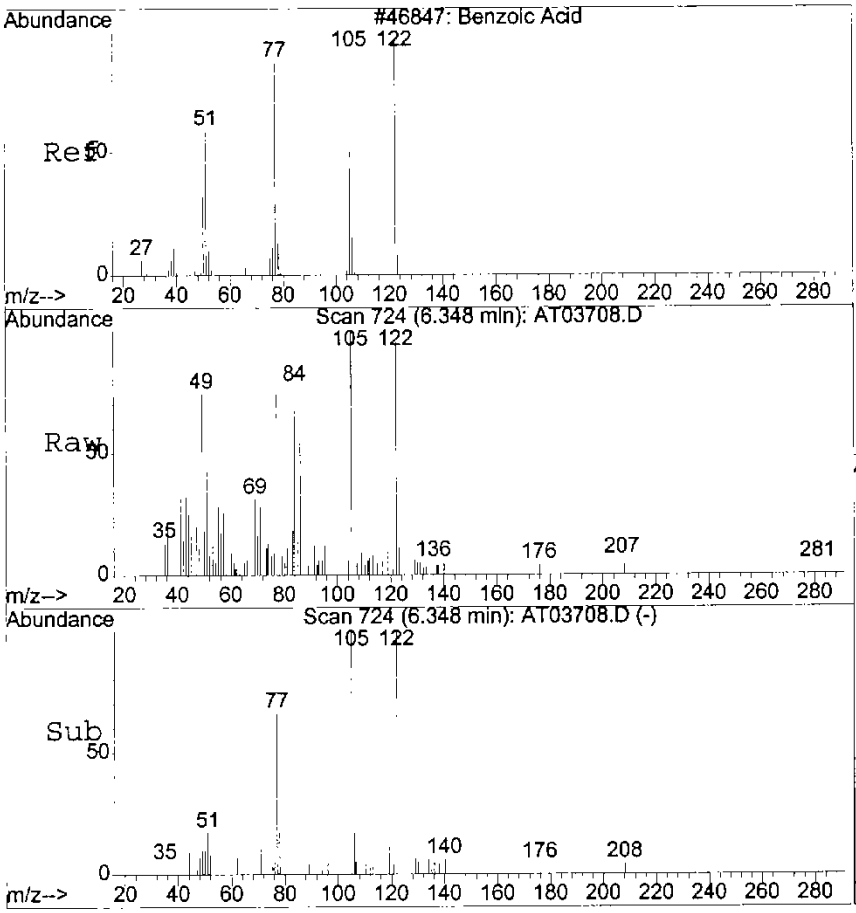
#27
2-Nitrophenol
Concen: 5.04 ug/L
RT: 6.23 min Scan# 702
Delta R.T. -0.00 min
Lab File: AT03708.D
Acq: 1 Mar 2005 5:34 pm

Tgt Ion:139 Resp: 559

Ion	Ratio	Lower	Upper
139	100		
109	35.2	0.0	49.5
65	31.1	4.3	64.3



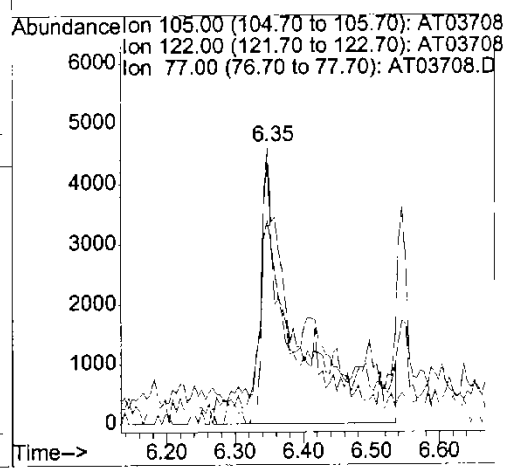
00242

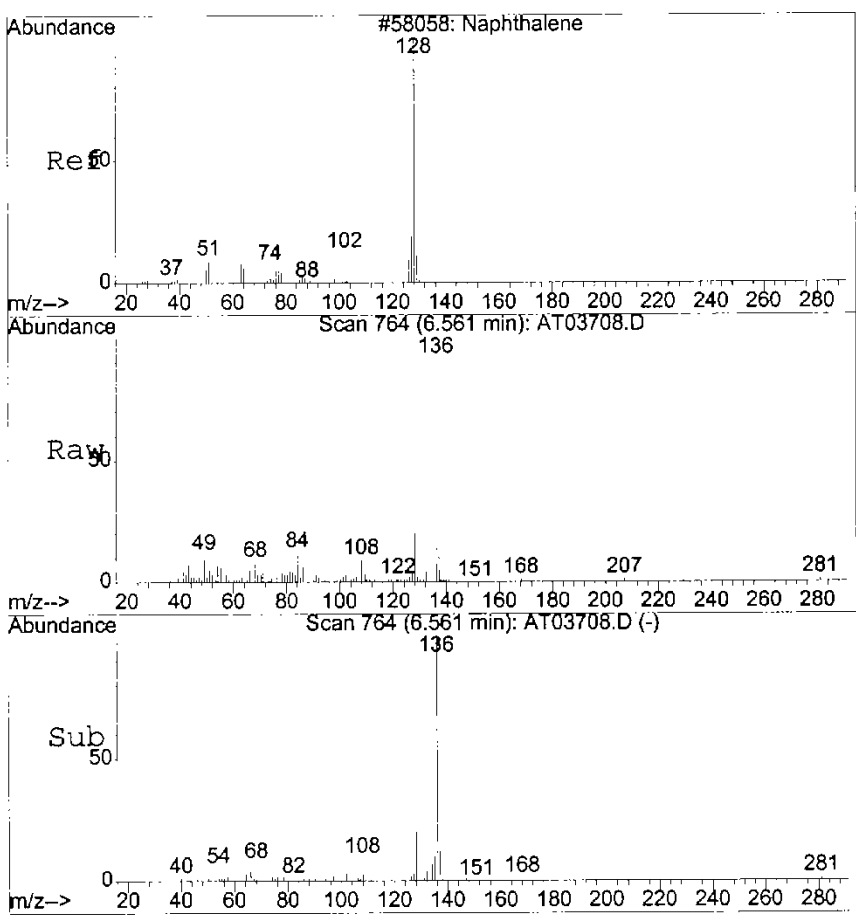


#30
Benzoic Acid
Concen: 525.92 ug/L
RT: 6.35 min Scan# 724
Delta R.T. -0.04 min
Lab File: AT03708.D
Acq: 1 Mar 2005 5:34 pm

Tgt Ion:105 Resp: 19600

Ion	Ratio	Lower	Upper
105	100		
122	99.2	58.0	118.0
77	57.9	34.2	94.2

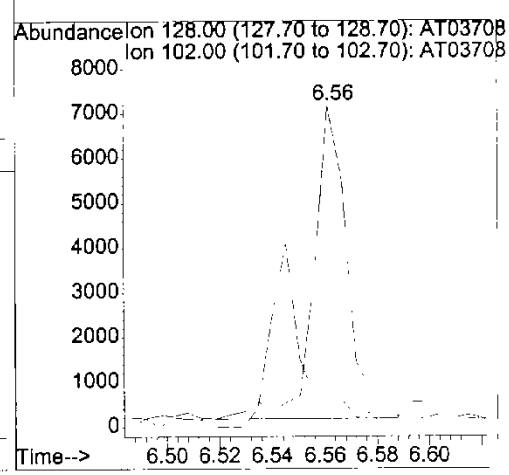


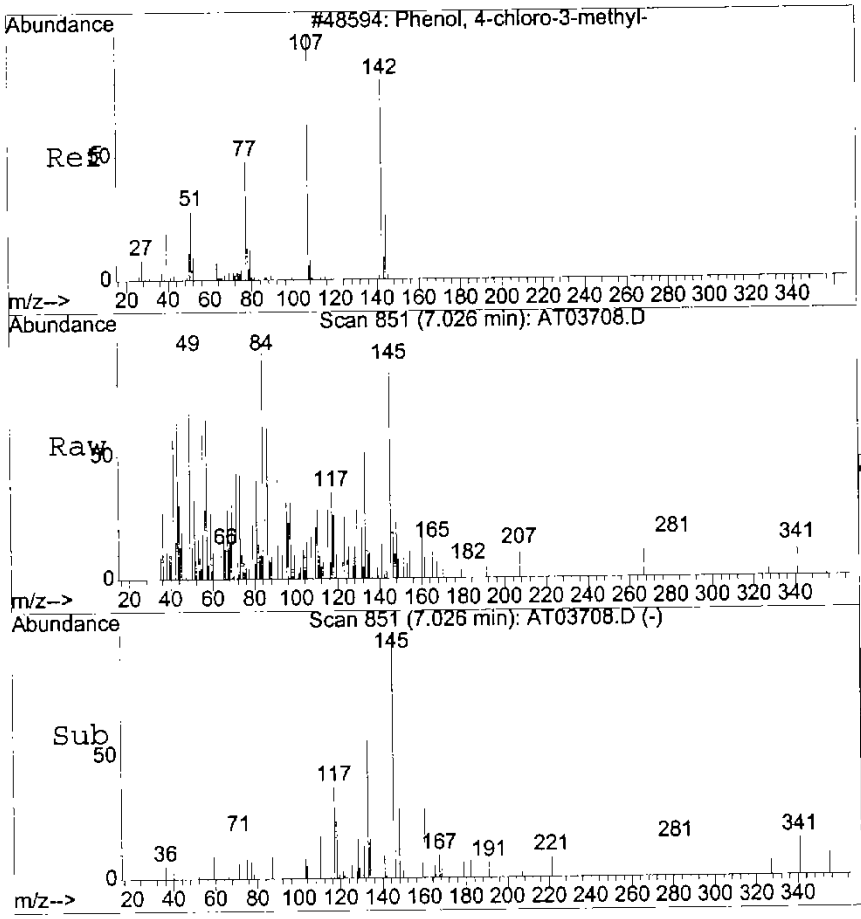


#33
Naphthalene
Concen: 8.28 ug/L
RT: 6.56 min Scan# 764
Delta R.T. 0.00 min
Lab File: AT03708.D
Acq: 1 Mar 2005 5:34 pm

Tgt Ion:128 Resp: 6204

Ion	Ratio	Lower	Upper
128	100		
102	14.5	0.0	37.8

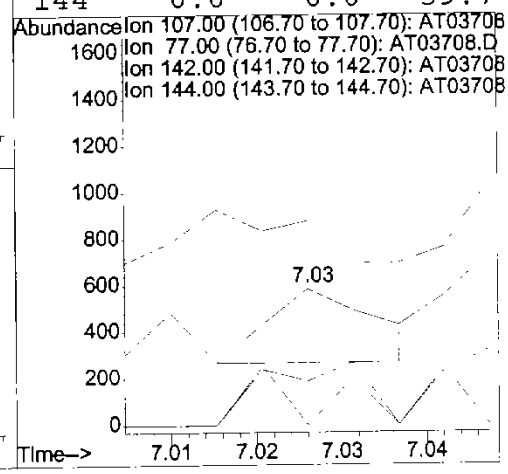


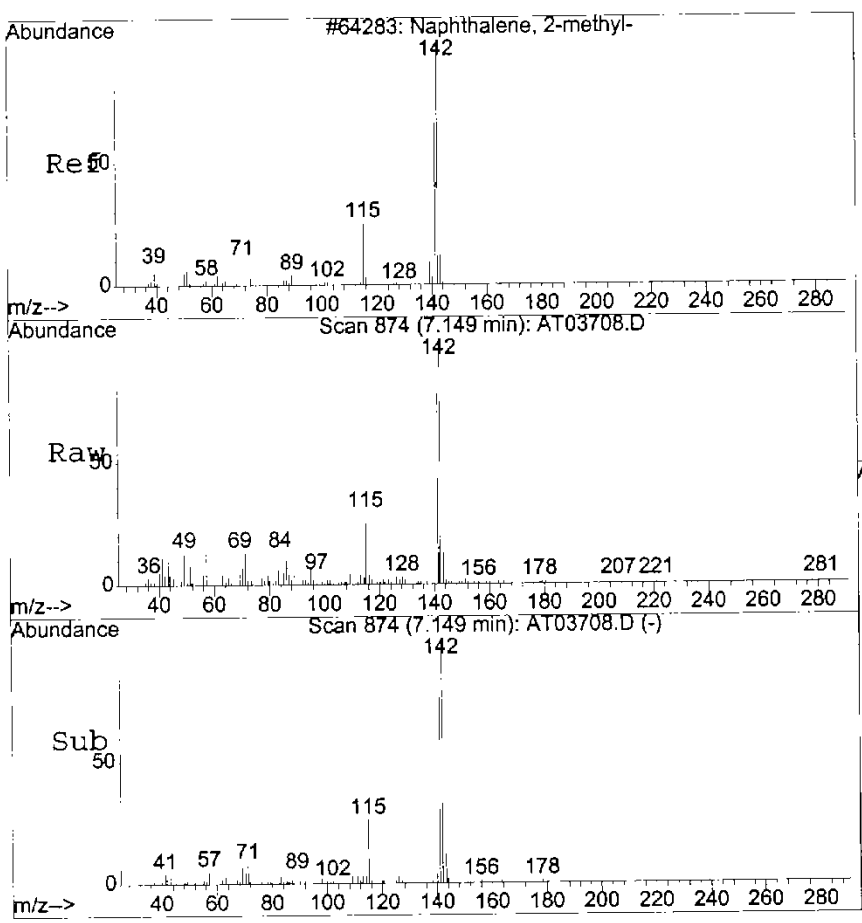


#36
4-Chloro-3-methylphenol
Concen: 38.34 ug/L
RT: 7.03 min Scan# 851
Delta R.T. 0.01 min
Lab File: AT03708.D
Acq: 1 Mar 2005 5:34 pm

Tgt Ion:107 Resp: 279

Ion	Ratio	Lower	Upper
107	100		
77	27.9	15.4	75.4
142	78.4	62.3	122.3
144	0.0	0.0	59.7

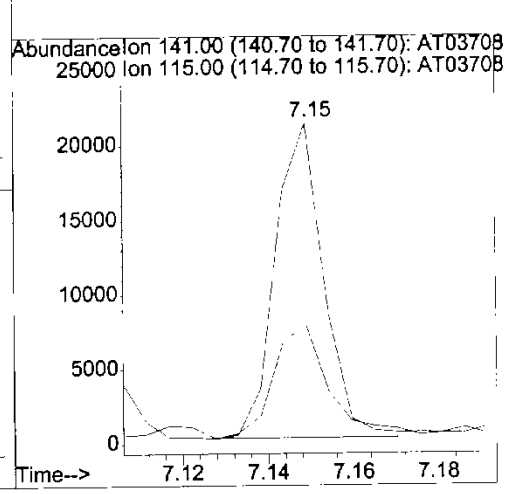


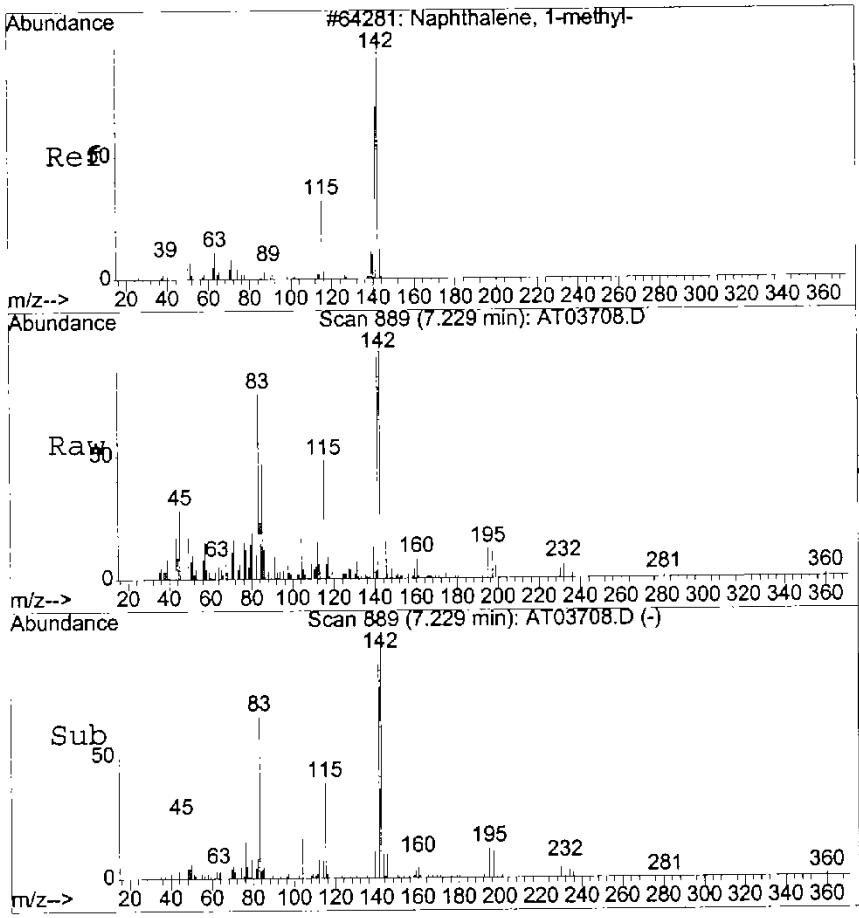


#37
2-Methylnaphthalene
Concen: 41.69 ug/L
RT: 7.15 min Scan# 874
Delta R.T. 0.02 min
Lab File: AT03708.D
Acq: 1 Mar 2005 5:34 pm

Tgt Ion:141 Resp: 16553

Ion	Ratio	Lower	Upper
141	100		
115	35.0	2.2	62.2

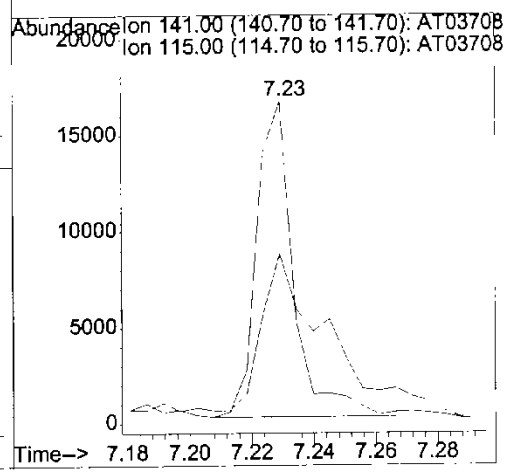


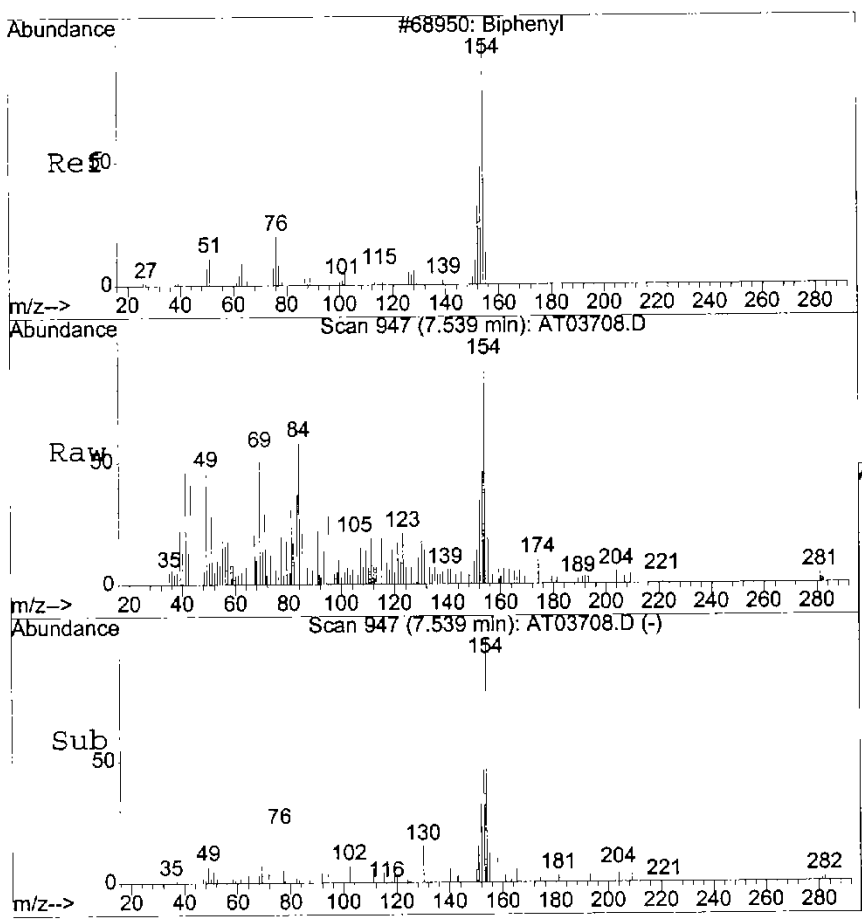


#38
1-Methylnaphthalene
Concen: 32.64 ul/l
RT: 7.23 min Scan# 889
Delta R.T. 0.02 min
Lab File: AT03708.D
Acq: 1 Mar 2005 5:34 pm

Tgt Ion:141 Resp: 13503

Ion	Ratio	Lower	Upper
141	100		
115	46.6	2.6	62.6

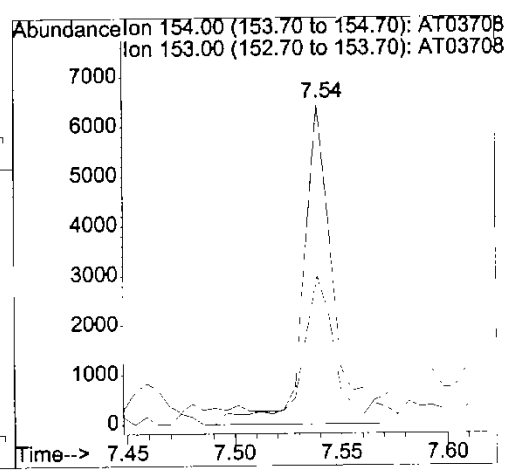


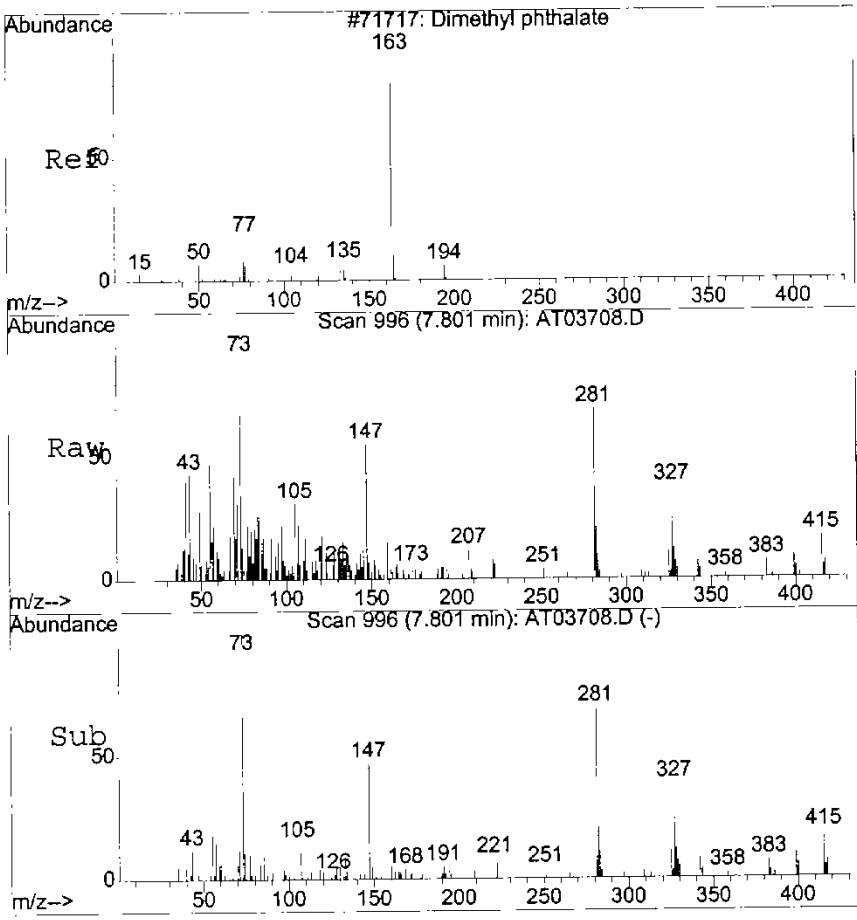


#46
Biphenyl
Concen: 10.64 ul/L
RT: 7.54 min Scan# 947
Delta R.T. -0.01 min
Lab File: AT03708.D
Acq: 1 Mar 2005 5:34 pm

Tgt Ion:154 Resp: 6318

Ion	Ratio	Lower	Upper
154	100		
153	38.8	9.4	69.4

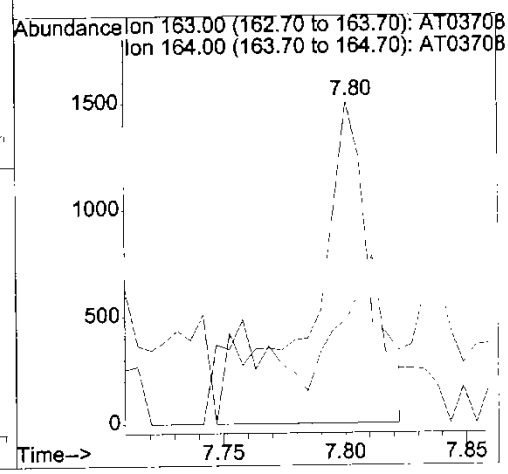


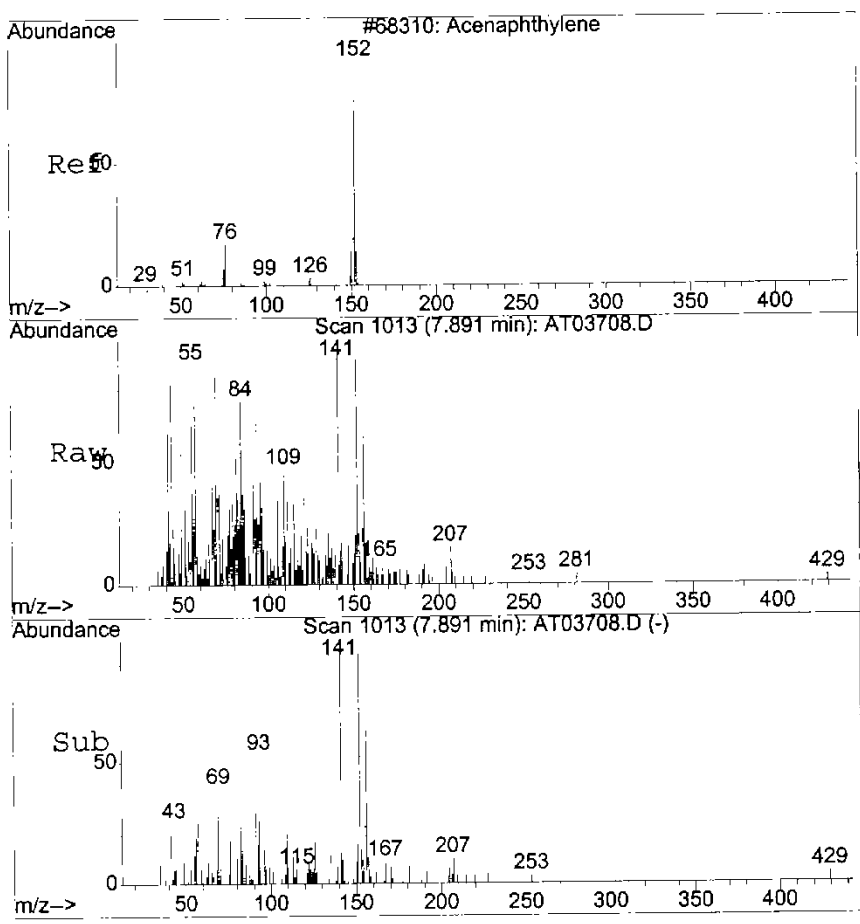


#48
Dimethylphthalate
Concen: 5.17 ug/L
RT: 7.80 min Scan# 996
Delta R.T. 0.01 min
Lab File: AT03708.D
Acq: 1 Mar 2005 5:34 pm

Tgt Ion:163 Resp: 2569

Ion	Ratio	Lower	Upper
163	100		
164	12.8	0.0	40.0

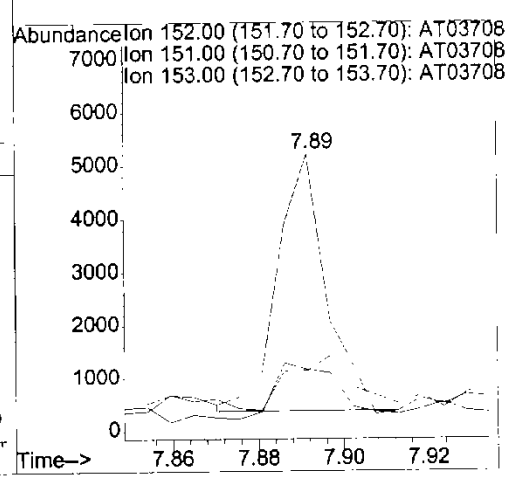


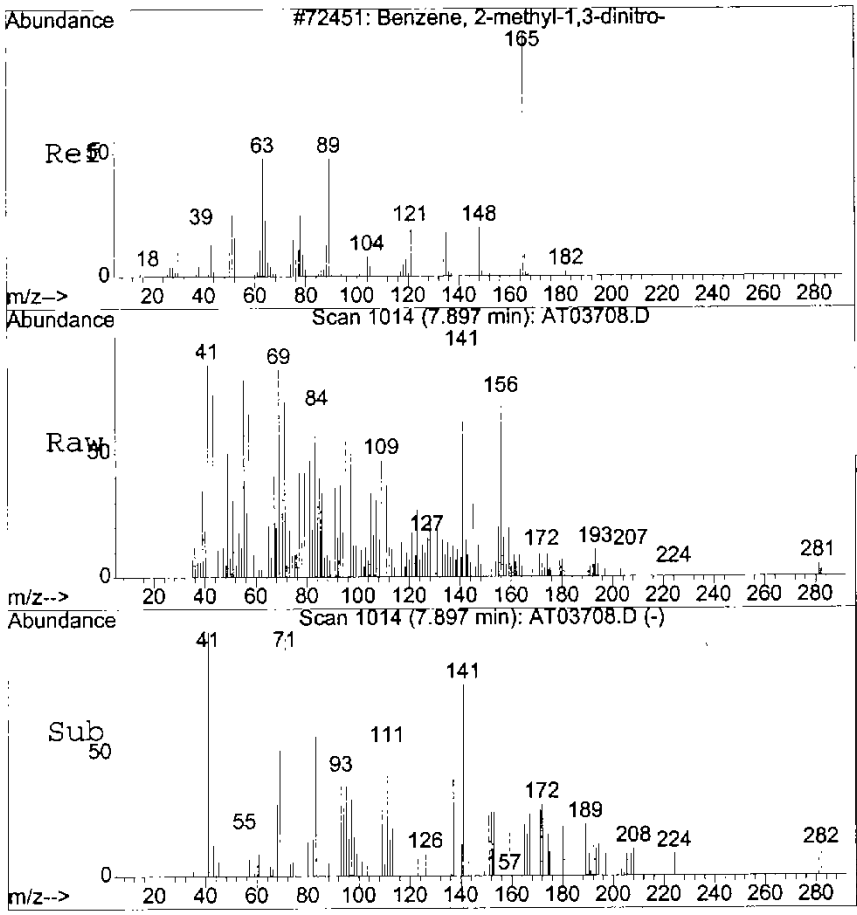


#49
Acenaphthylene
Concen: 5.21 ug/L
RT: 7.89 min Scan# 1013
Delta R.T. 0.00 min
Lab File: AT03708.D
Acq: 1 Mar 2005 5:34 pm

Tgt Ion:152 Resp: 3801

Ion	Ratio	Lower	Upper
152	100		
151	12.2	0.0	49.4
153	18.4	0.0	43.0

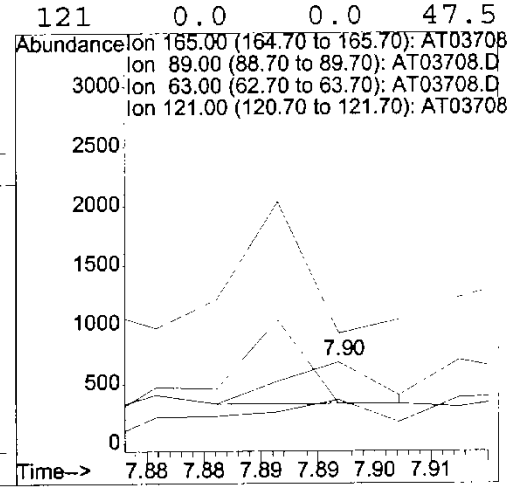


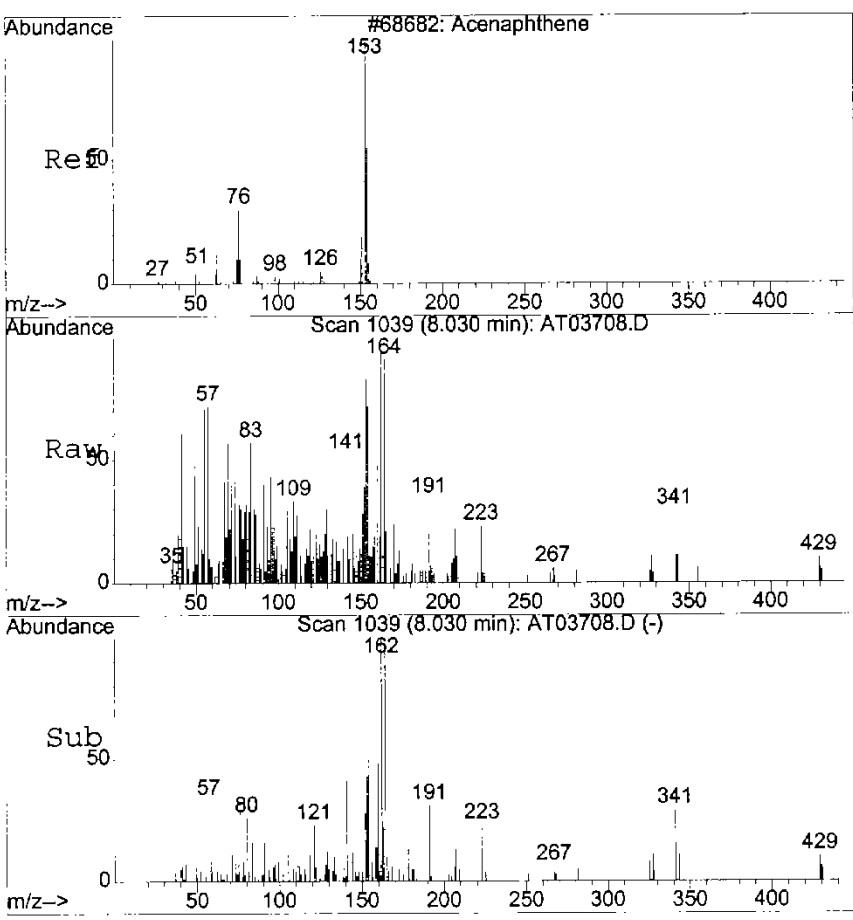


#50
2,6-Dinitrotoluene
Concen: 27.37 ug/L
RT: 7.90 min Scan# 1014
Delta R.T. 0.05 min
Lab File: AT03708.D
Acq: 1 Mar 2005 5:34 pm

Tgt Ion:165 Resp: 194

Ion	Ratio	Lower	Upper
165	100		
89	51.1	8.4	68.4
63	0.0	0.0	45.4
121	0.0	0.0	47.5

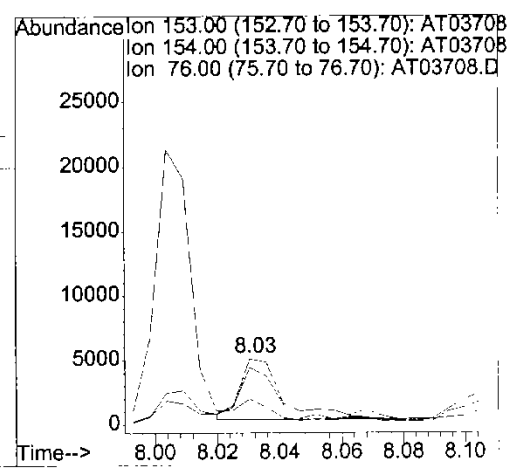


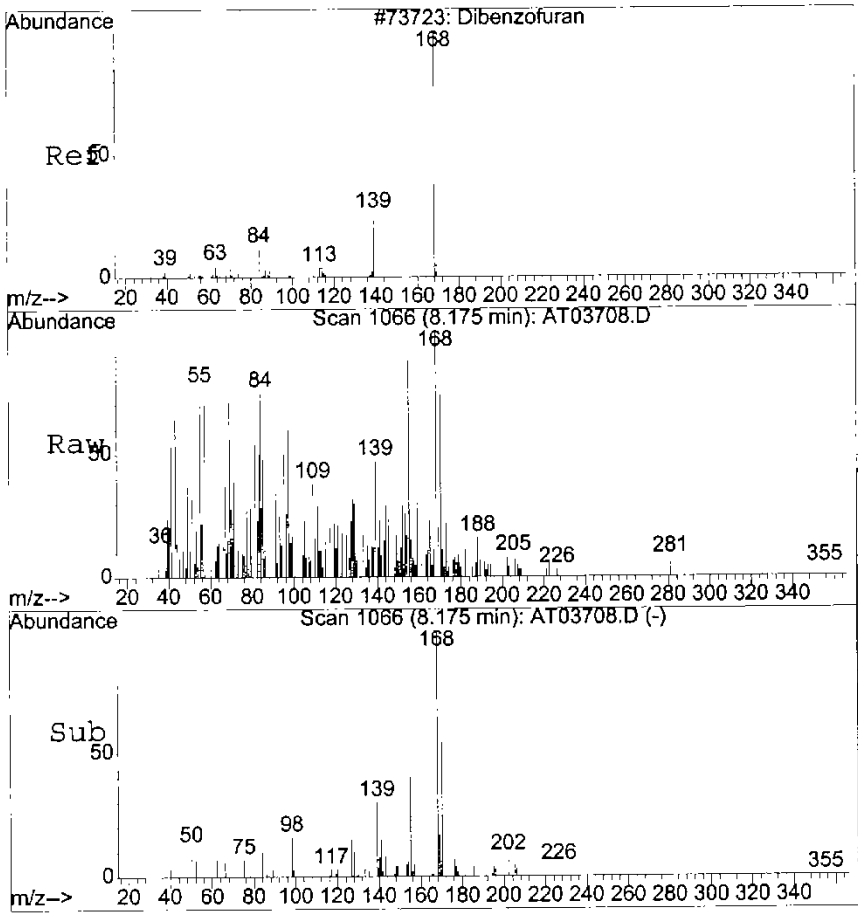


#52
Acenaphthene
Concen: 9.95 ug/L
RT: 8.03 min Scan# 1039
Delta R.T. 0.00 min
Lab File: AT03708.D
Acq: 1 Mar 2005 5:34 pm

Tgt Ion:153 Resp: 4779

Ion	Ratio	Lower	Upper
153	100		
154	87.0	53.5	113.5
76	30.0	0.0	50.2

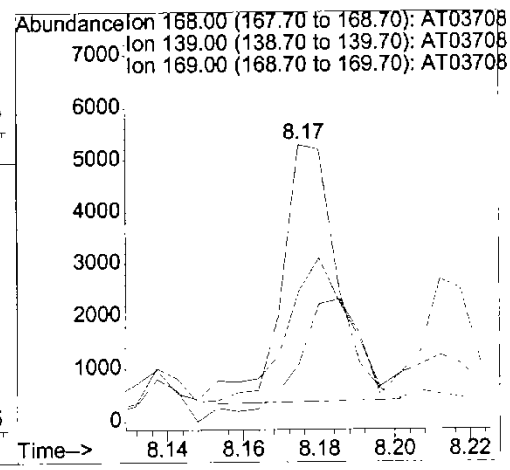


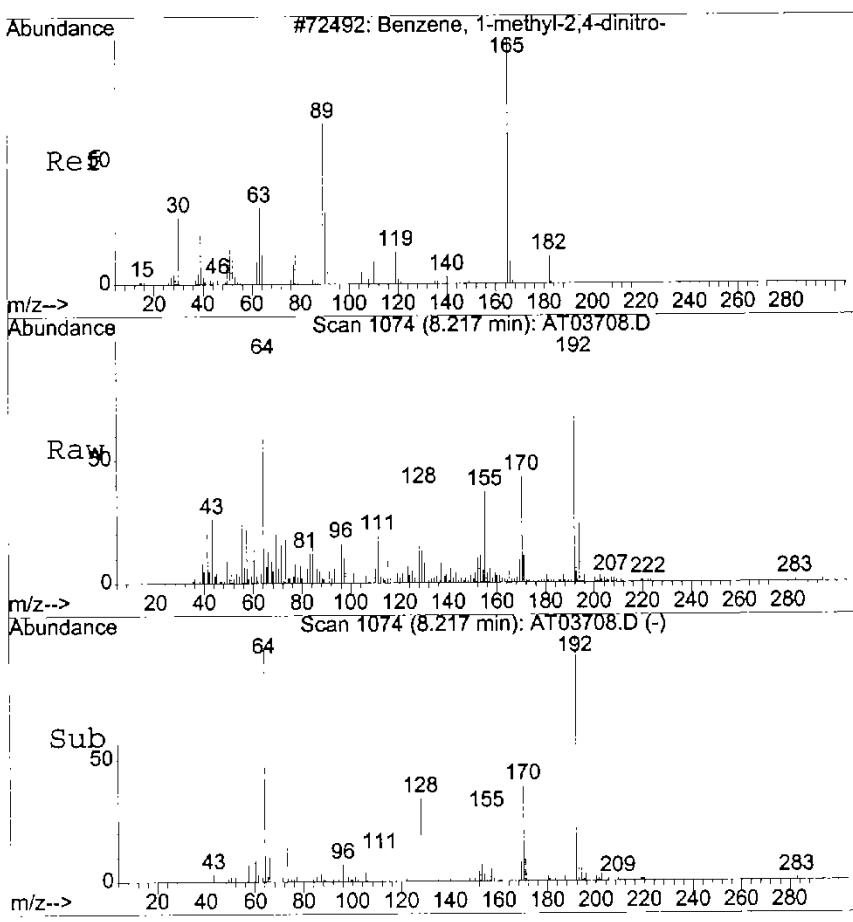


#55
Dibenzofuran
Concen: 7.43 ug/L
RT: 8.17 min Scan# 1066
Delta R.T. 0.00 min
Lab File: AT03708.D
Acq: 1 Mar 2005 5:34 pm

Tgt Ion:168 Resp: 4784

Ion	Ratio	Lower	Upper
168	100		
139	33.4	0.6	60.6
169	10.3	0.0	42.8

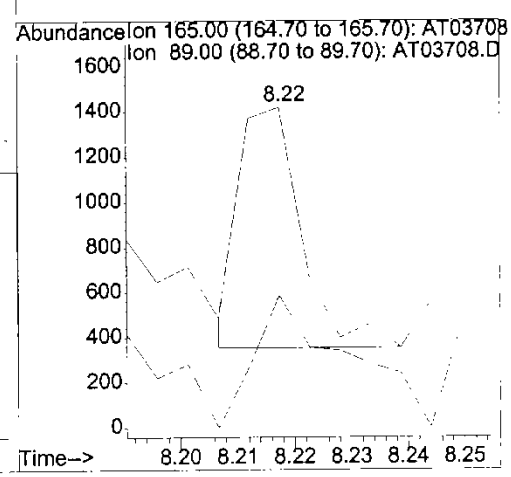


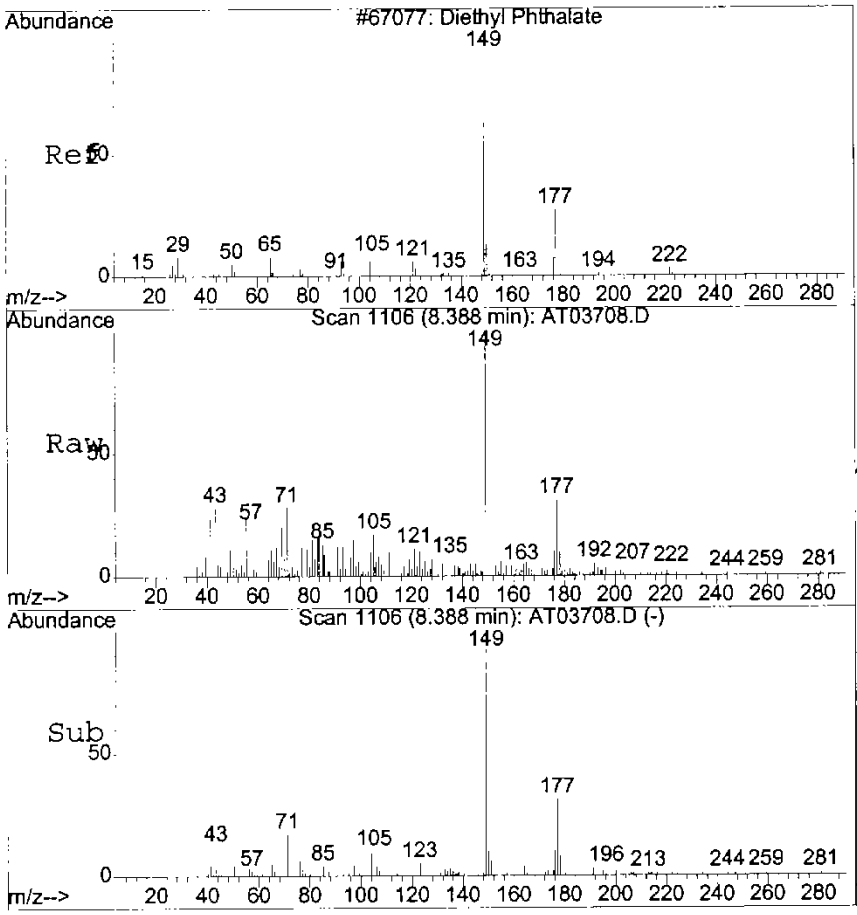


#56
2,4-Dinitrotoluene
Concen: 36.27 ug/L
RT: 8.22 min Scan# 1074
Delta R.T. 0.05 min
Lab File: AT03708.D
Acq: 1 Mar 2005 5:34 pm

Tgt Ion:165 Resp: 815

Ion	Ratio	Lower	Upper
165	100		
89	46.8	22.1	82.1

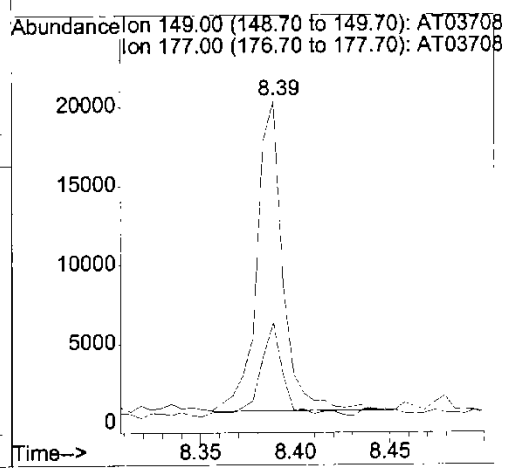


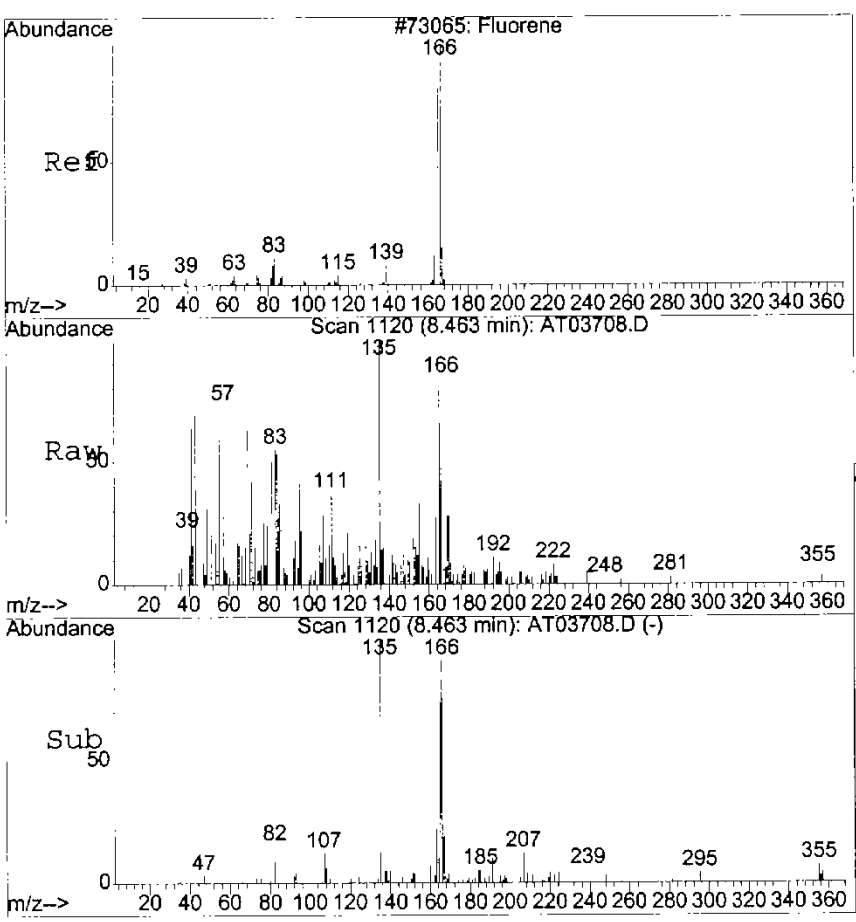


#59
Diethylphthalate
Concen: 35.74 ug/L
RT: 8.39 min Scan# 1106
Delta R.T. 0.01 min
Lab File: AT03708.D
Acq: 1 Mar 2005 5:34 pm

Tgt Ion:149 Resp: 18797

Ion	Ratio	Lower	Upper
149	100		
177	28.7	0.0	53.1

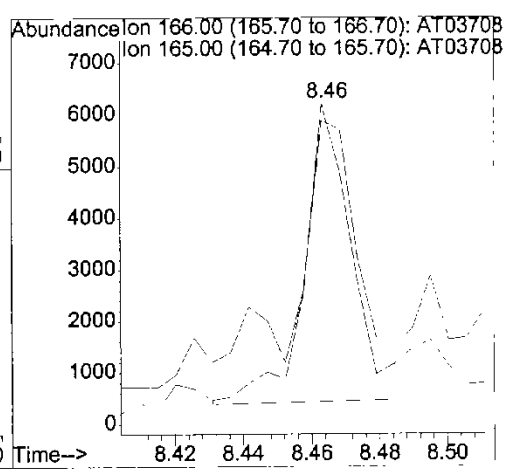


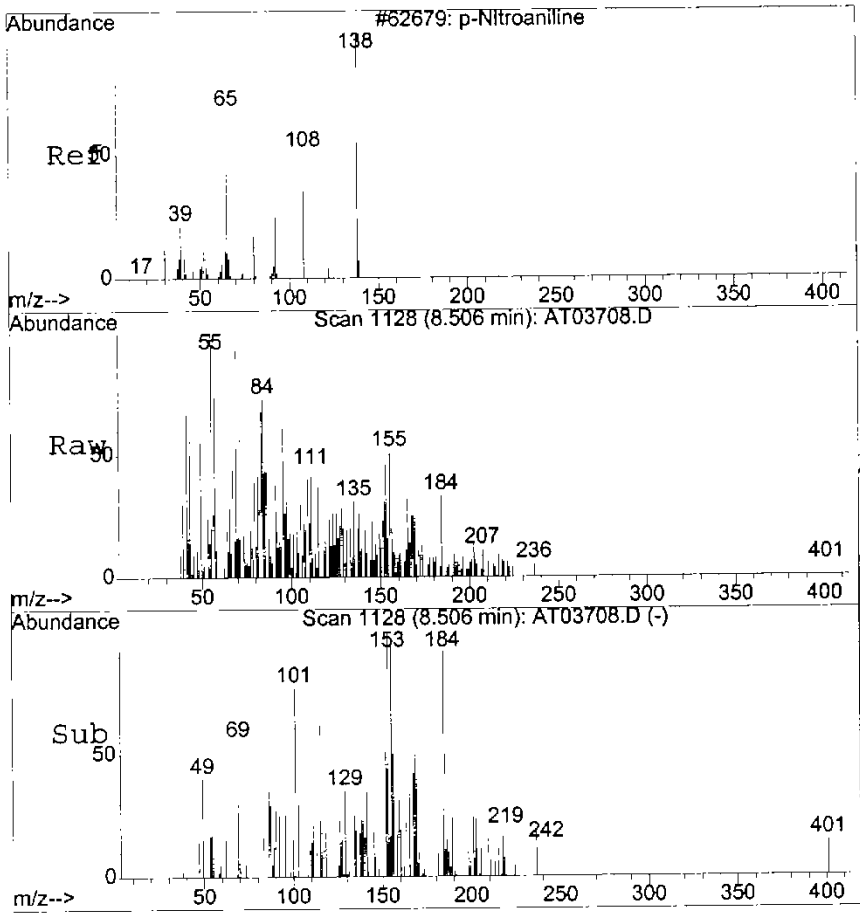


#60
Fluorene
Concen: 11.27 ug/L
RT: 8.46 min Scan# 1120
Delta R.T. 0.00 min
Lab File: AT03708.D
Acq: 1 Mar 2005 5:34 pm

Tgt Ion:166 Resp: 5585

Ion	Ratio	Lower	Upper
166	100		
165	84.2	65.1	125.1

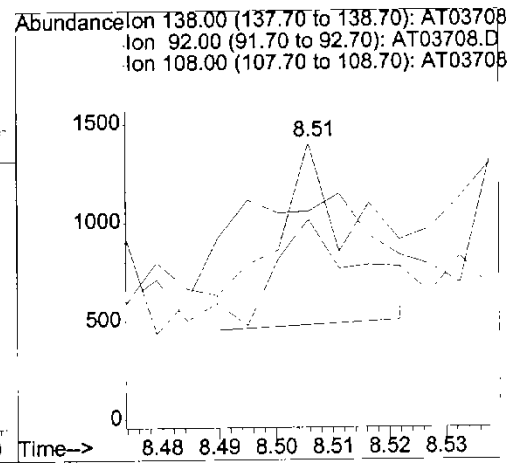


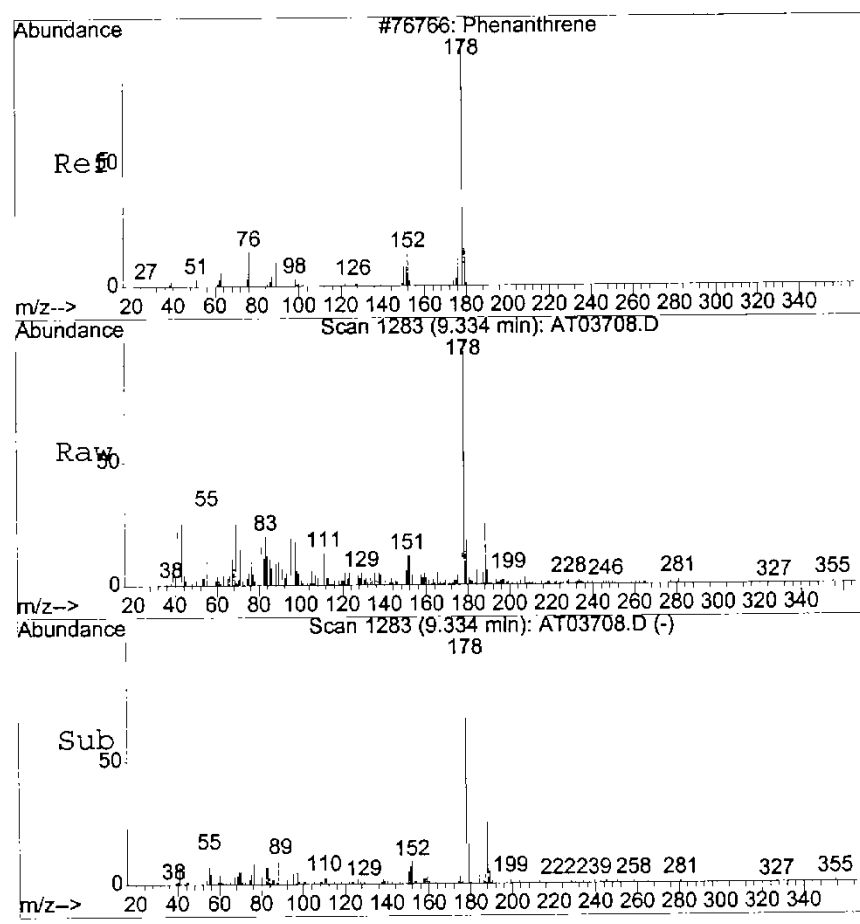


#62
4-Nitroaniline
Concen: 13.70 ug/L
RT: 8.51 min Scan# 1128
Delta R.T. 0.02 min
Lab File: AT03708.D
Acq: 1 Mar 2005 5:34 pm

Tgt Ion:138 Resp: 970

Ion	Ratio	Lower	Upper
138	100		
92	52.7	11.1	71.1
108	28.4	21.9	81.9

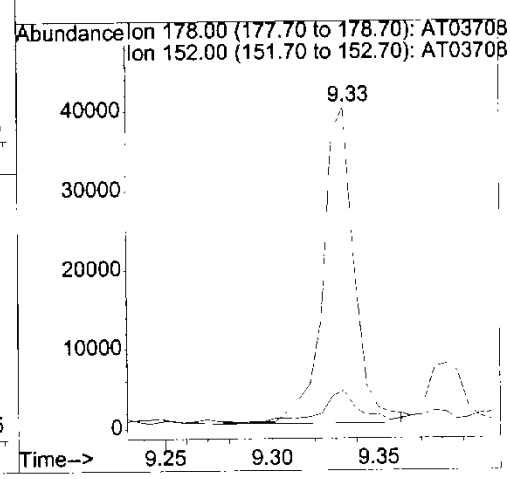


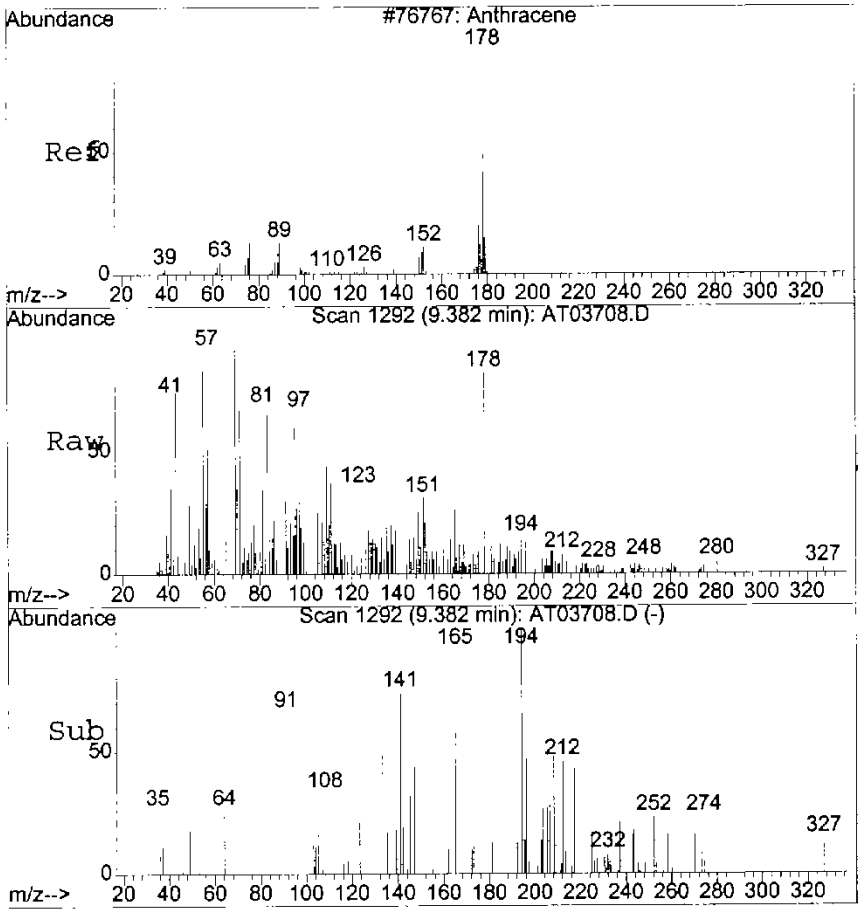


#71
Phenanthrene
Concen: 52.85 ug/L
RT: 9.33 min Scan# 1283
Delta R.T. 0.01 min
Lab File: AT03708.D
Acq: 1 Mar 2005 5:34 pm

Tgt Ion:178 Resp: 40981

Ion	Ratio	Lower	Upper
178	100		
152	9.2	0.0	38.6

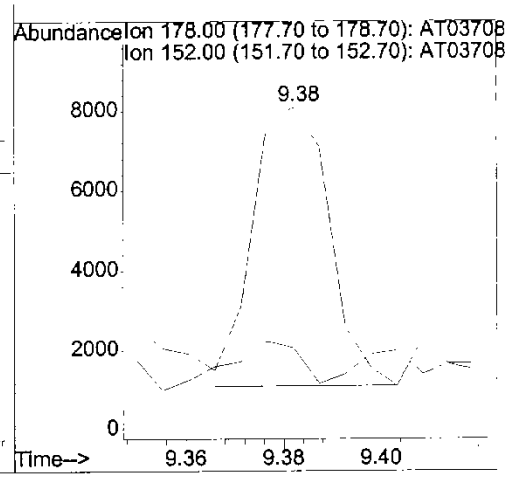


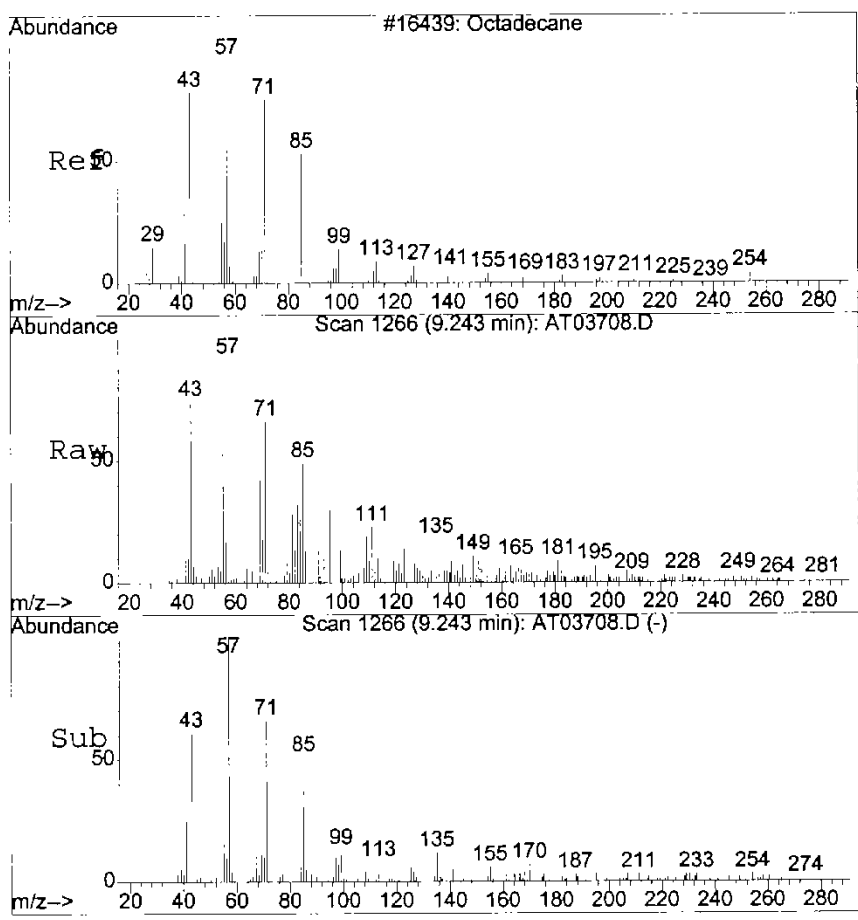


#72
Anthracene
Concen: 10.75 ug/L
RT: 9.38 min Scan# 1292
Delta R.T. 0.01 min
Lab File: AT03708.D
Acq: 1 Mar 2005 5:34 pm

Tgt Ion:178 Resp: 7560

Ion	Ratio	Lower	Upper
178	100		
152	4.0	0.0	37.1

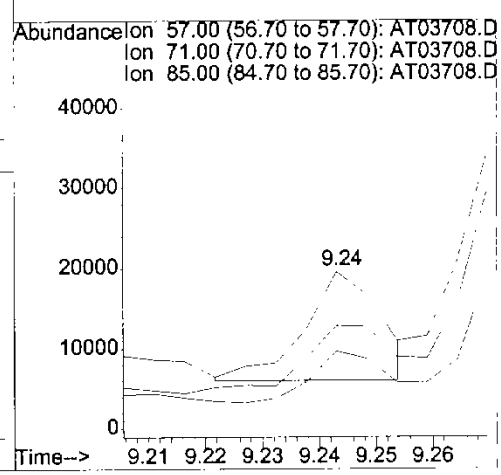


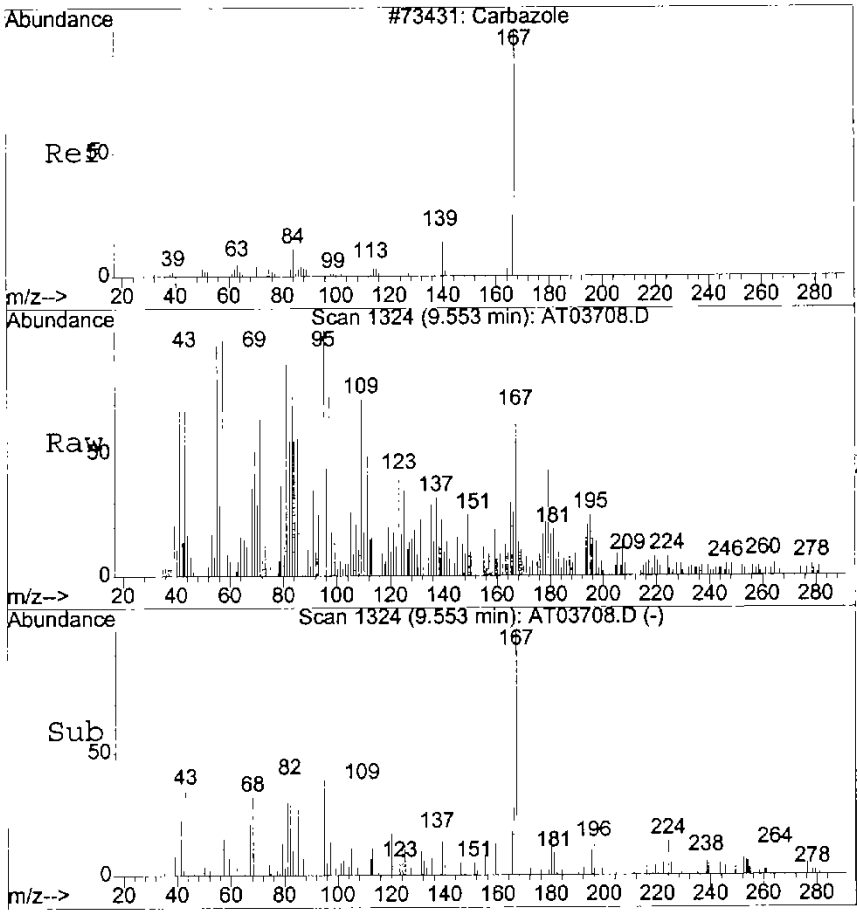


#73
Octadecane
Concen: 56.17 ul/L
RT: 9.24 min Scan# 1266
Delta R.T. 0.00 min
Lab File: AT03708.D
Acq: 1 Mar 2005 5:34 pm

Tgt Ion: 57 Resp: 12639

Ion	Ratio	Lower	Upper
57	100		
71	94.8	51.7	96.1
85	48.0	37.4	69.4

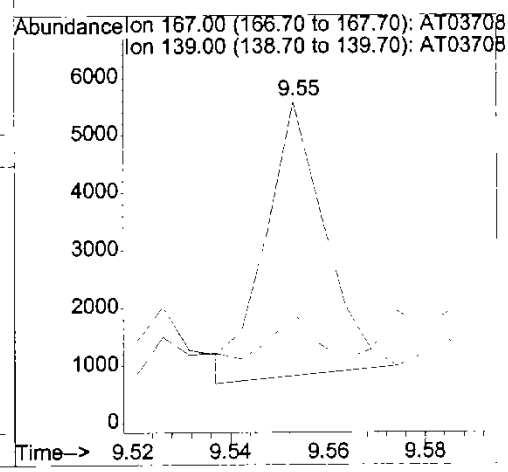


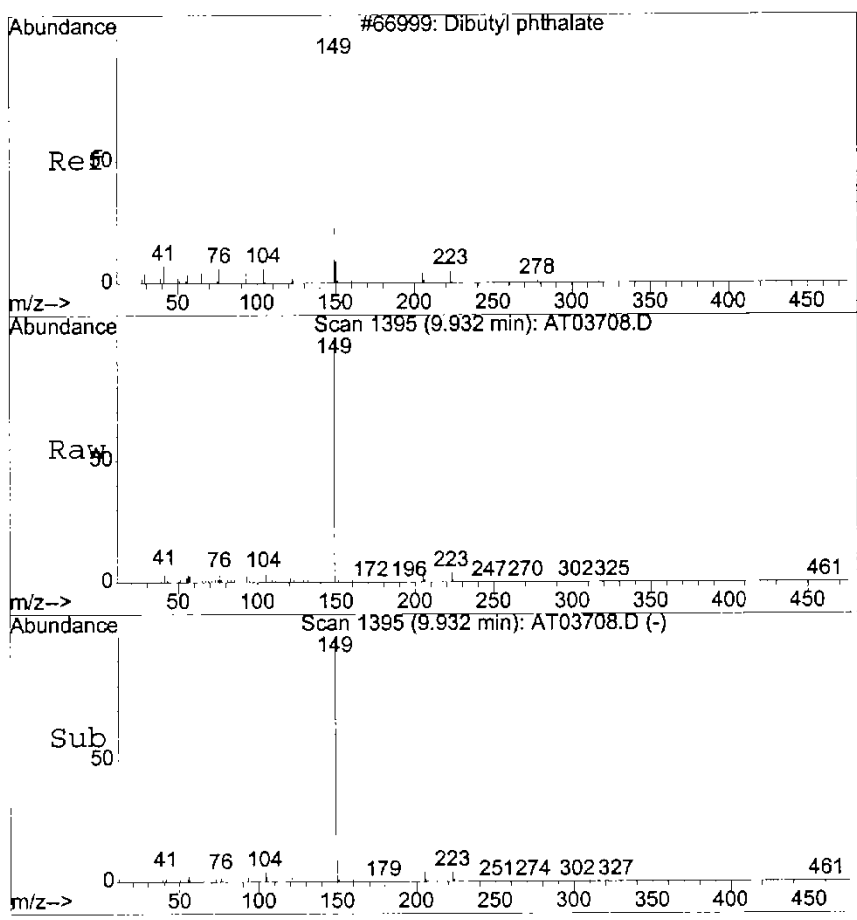


#74
Carbazole
Concen: 8.48 ug/L
RT: 9.55 min Scan# 1324
Delta R.T. 0.01 min
Lab File: AT03708.D
Acq: 1 Mar 2005 5:34 pm

Tgt Ion:167 Resp: 4037

Ion	Ratio	Lower	Upper
167	100		
139	7.3	0.0	42.1

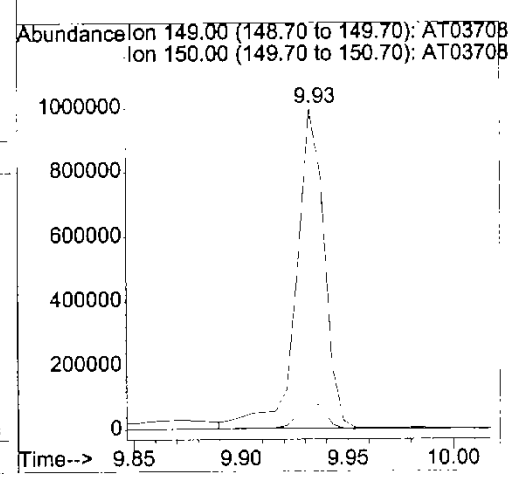


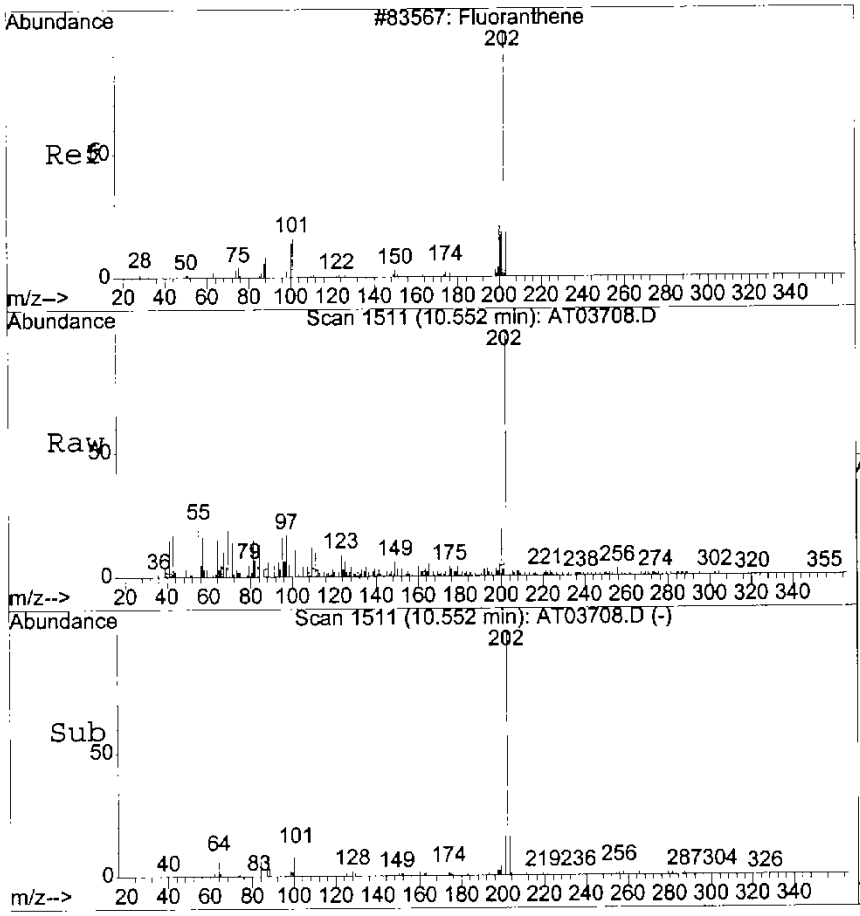


#75
Di-n-butylphthalate
Concen: 1090.60 ug/L
RT: 9.93 min Scan# 1395
Delta R.T. 0.00 min
Lab File: AT03708.D
Acq: 1 Mar 2005 5:34 pm

Tgt Ion:149 Resp: 909034

Ion	Ratio	Lower	Upper
149	100		
150	9.2	0.0	38.8

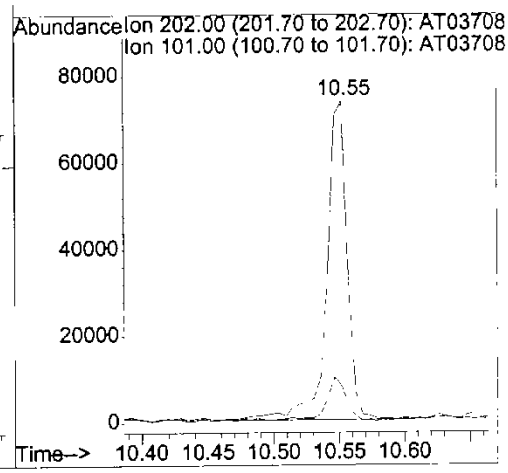


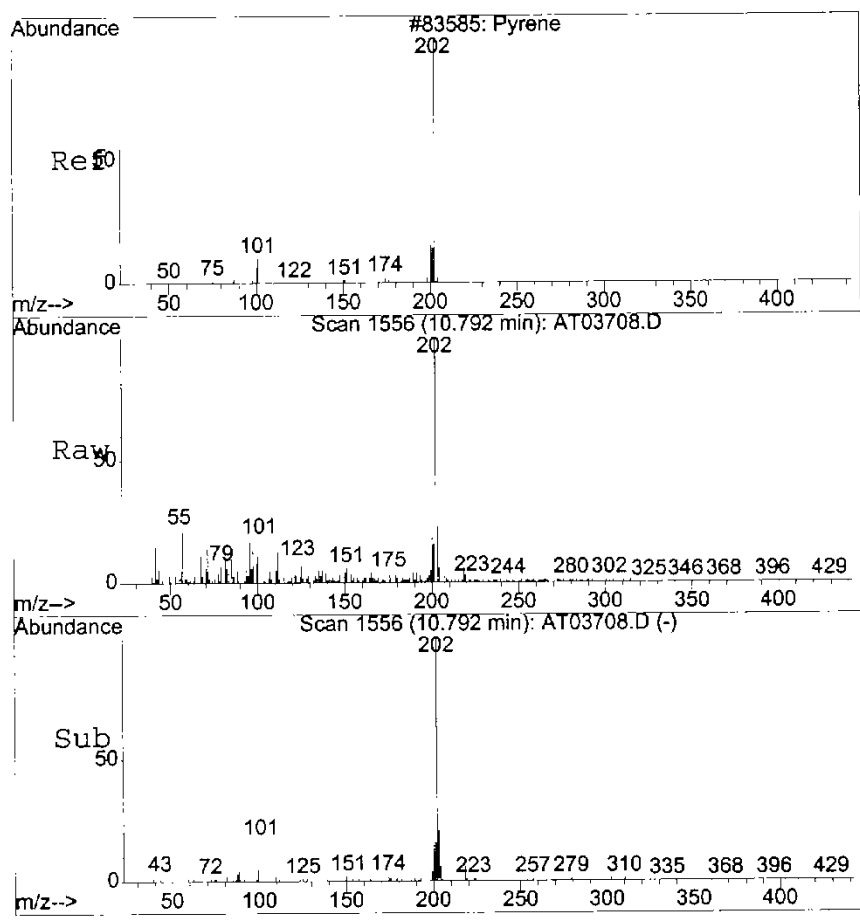


#76
Fluoranthene
Concen: 101.61 ug/L
RT: 10.55 min Scan# 1511
Delta R.T. 0.01 min
Lab File: AT03708.D
Acq: 1 Mar 2005 5:34 pm

Tgt Ion:202 Resp: 80413

Ion	Ratio	Lower	Upper
202	100		
101	10.6	0.0	43.1

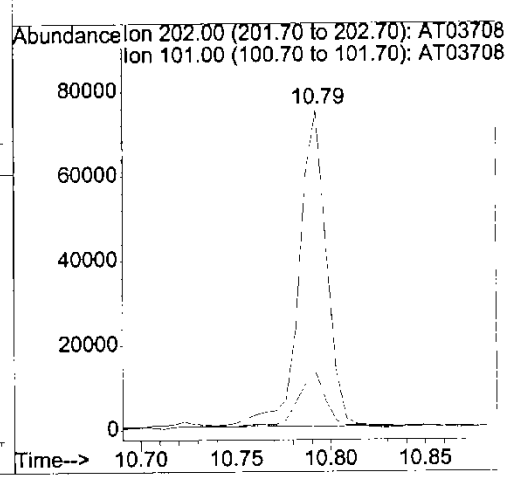


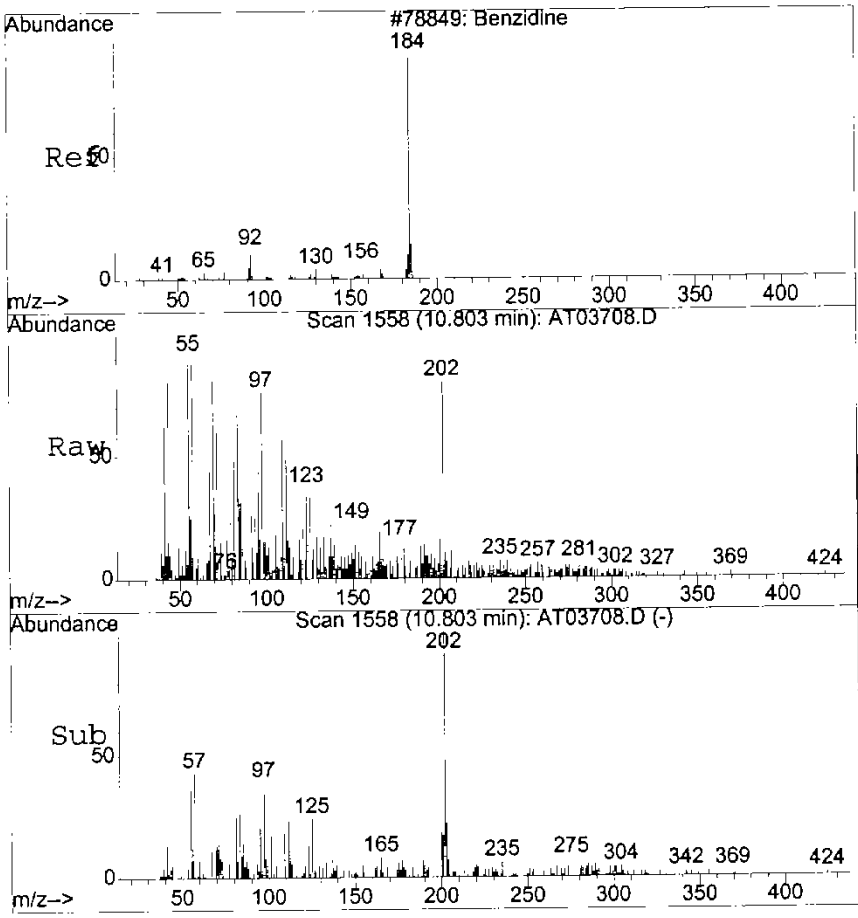


#77
Pyrene
Concen: 91.69 ug/L
RT: 10.79 min Scan# 1556
Delta R.T. 0.01 min
Lab File: AT03708.D
Acq: 1 Mar 2005 5:34 pm

Tgt Ion:202 Resp: 75265

Ion	Ratio	Lower	Upper
202	100		
101	17.1	0.0	44.9

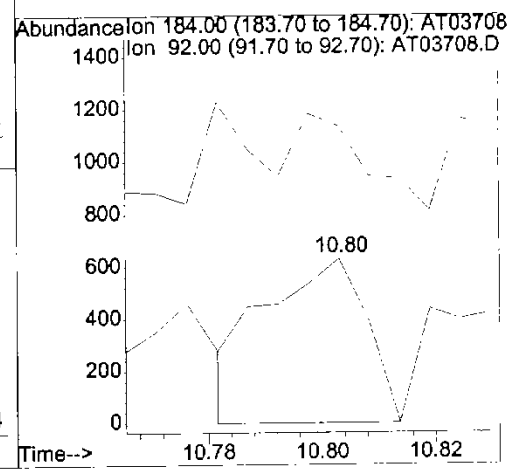


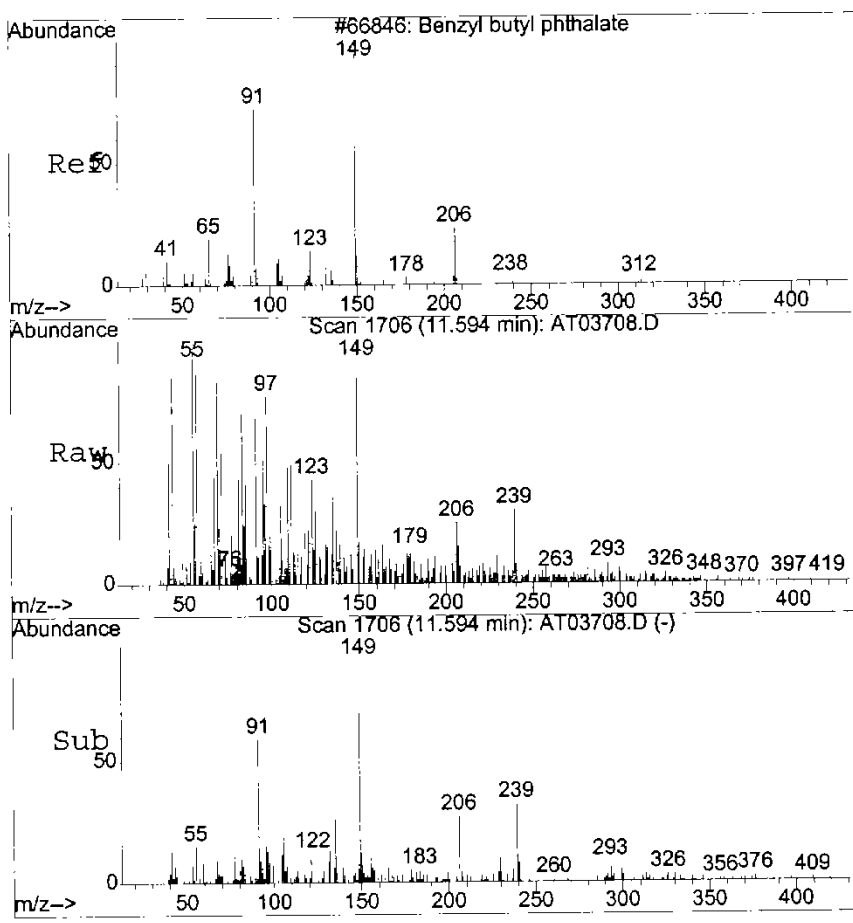


#78
Benzidine
Concen: 6.99 ul/l
RT: 10.80 min Scan# 1558
Delta R.T. 0.09 min
Lab File: AT03708.D
Acq: 1 Mar 2005 5:34 pm

Tgt Ion:184 Resp: 787

Ion	Ratio	Lower	Upper
184	100		
92	38.0	0.0	39.3

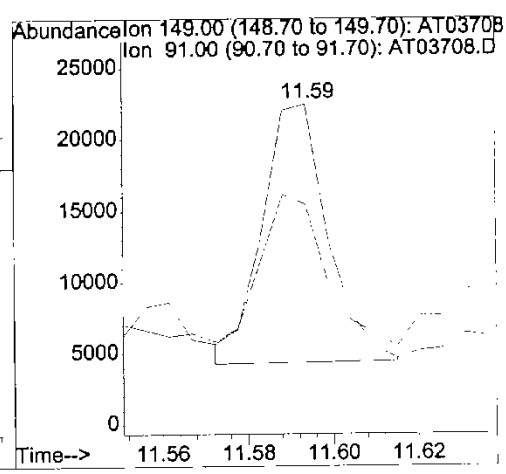


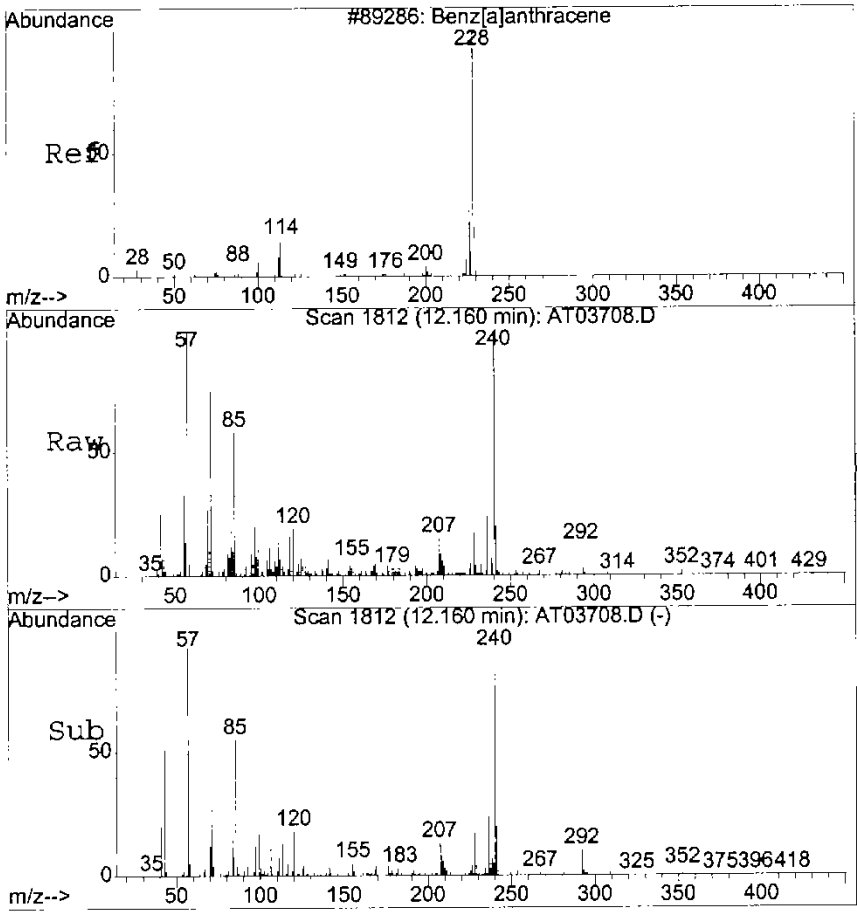


#81
Butylbenzylphthalate
Concen: 125.52 ug/L
RT: 11.59 min Scan# 1706
Delta R.T. 0.01 min
Lab File: AT03708.D
Acq: 1 Mar 2005 5:34 pm

Tgt Ion:149 Resp: 19190

Ion	Ratio	Lower	Upper
149	100		
91	56.8	30.6	90.6

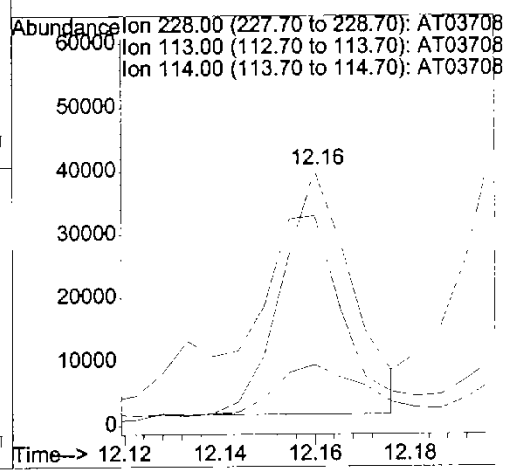


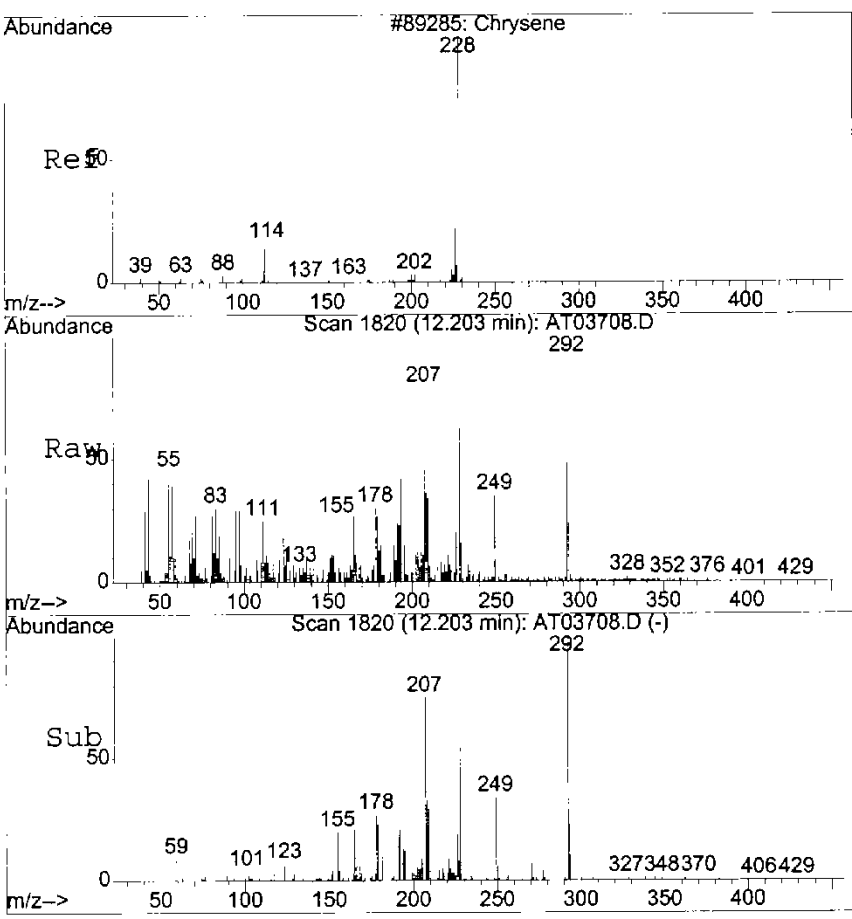


#82
Benzo(a)anthracene
Concen: 56.54 ug/L m
RT: 12.16 min Scan# 1812
Delta R.T. 0.01 min
Lab File: AT03708.D
Acq: 1 Mar 2005 5:34 pm

Tgt Ion:228 Resp: 38914

Ion	Ratio	Lower	Upper
228	100		
113	82.3	0.0	41.1#
114	23.7	0.0	42.7

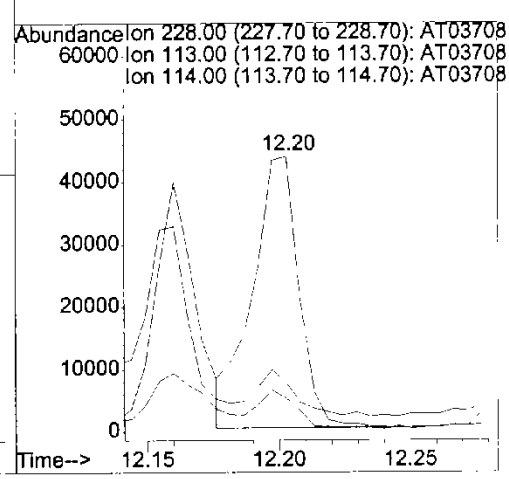


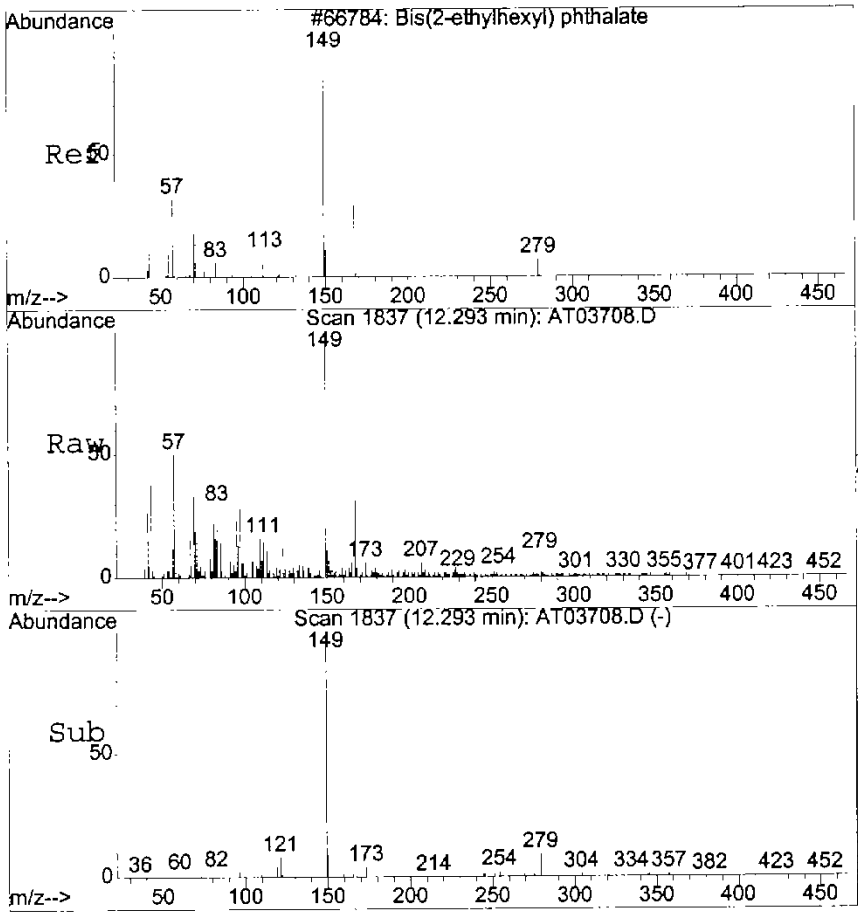


#84
Chrysene
Concen: 74.43 ug/L
RT: 12.20 min Scan# 1820
Delta R.T. 0.01 min
Lab File: AT03708.D
Acq: 1 Mar 2005 5:34 pm

Tgt Ion:228 Resp: 53390

Ion	Ratio	Lower	Upper
228	100		
113	10.0	0.0	42.9
114	7.7	0.0	41.2

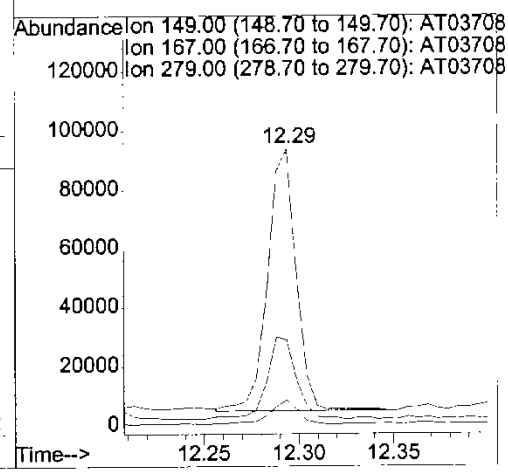


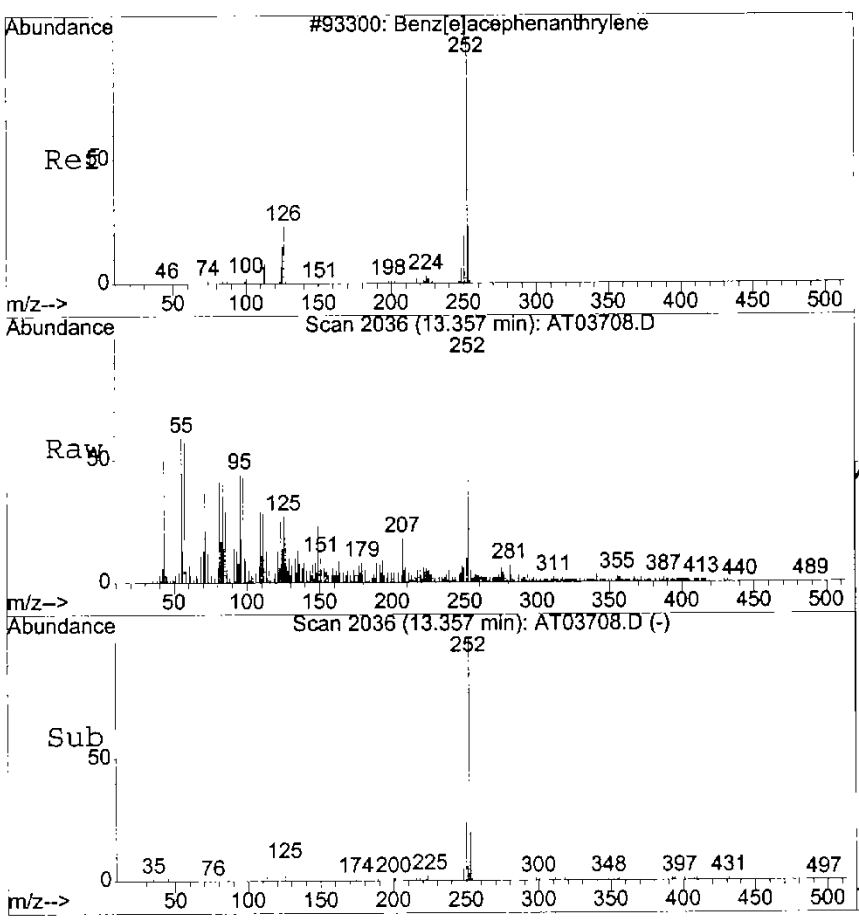


#85
bis(2-Ethylhexyl)phthalate
Concen: 208.46 ug/L
RT: 12.29 min Scan# 1837
Delta R.T. 0.01 min
Lab File: AT03708.D
Acq: 1 Mar 2005 5:34 pm

Tgt Ion:149 Resp: 92659

Ion	Ratio	Lower	Upper
149	100		
167	29.6	2.4	62.4
279	9.0	0.0	39.8

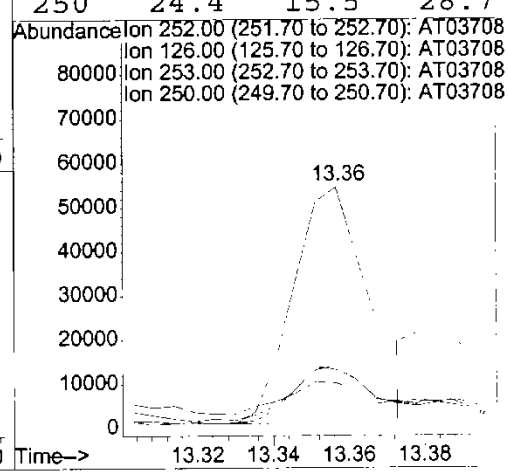


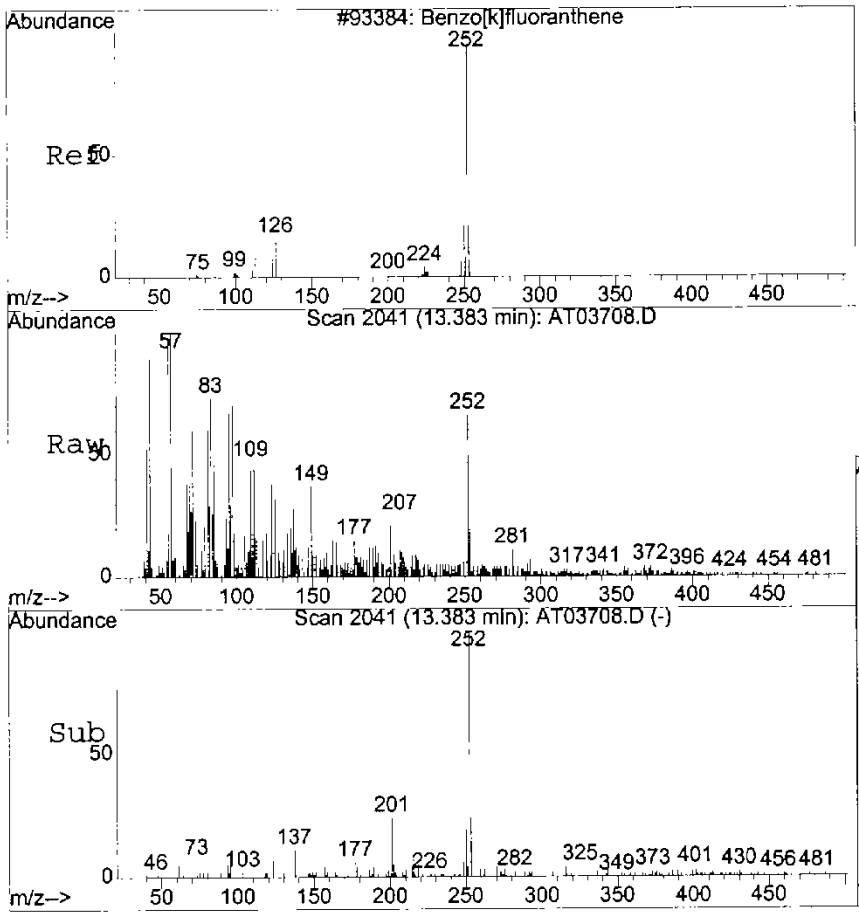


#88
Benzo(b)fluoranthene
Concen: 105.27 ul/l
RT: 13.36 min Scan# 2036
Delta R.T. 0.02 min
Lab File: AT03708.D
Acq: 1 Mar 2005 5:34 pm

Tgt Ion:252 Resp: 74534

Ion	Ratio	Lower	Upper
252	100		
126	12.4	11.5	21.5
253	20.8	15.2	28.2
250	24.4	15.5	28.7

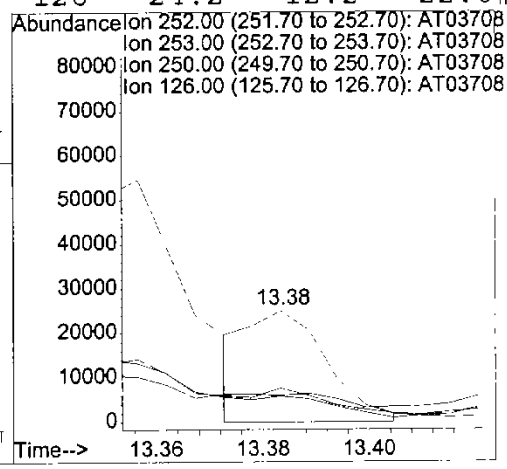


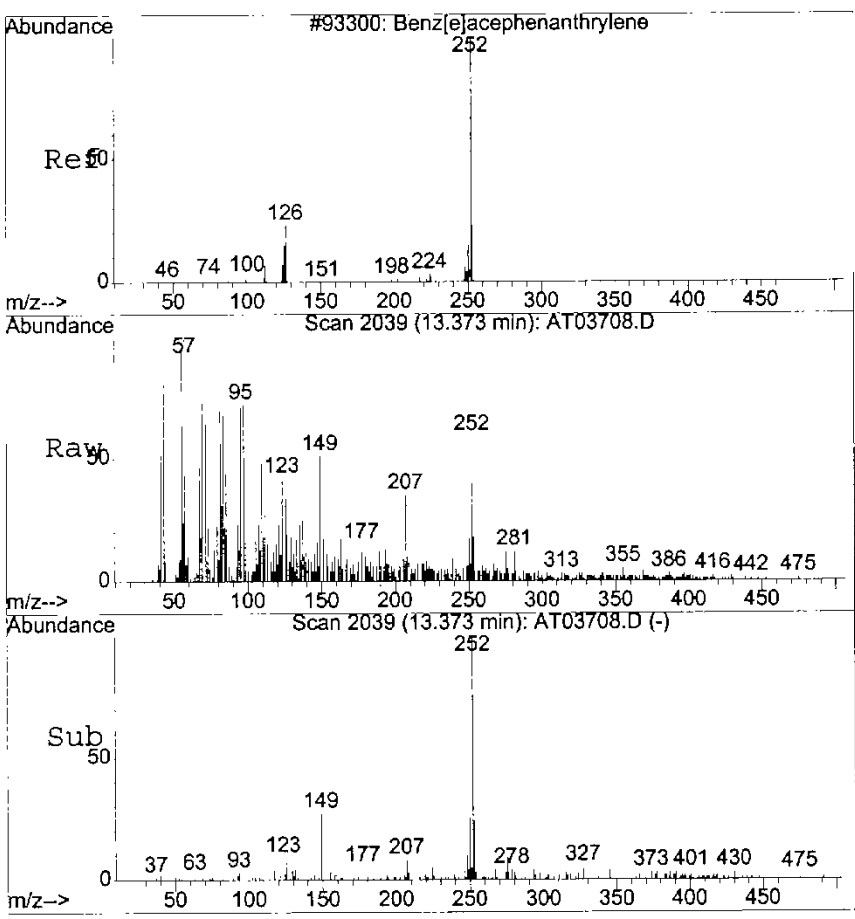


#89
benzo(k)fluoranthene
Concen: 37.51 ul/l m
RT: 13.38 min Scan# 2041
Delta R.T. 0.01 min
Lab File: AT03708.D
Acq: 1 Mar 2005 5:34 pm

Tgt Ion:252 Resp: 26403

Ion	Ratio	Lower	Upper
252	100		
253	30.4	15.3	28.5#
250	23.4	15.5	28.9
126	24.2	12.2	22.6#

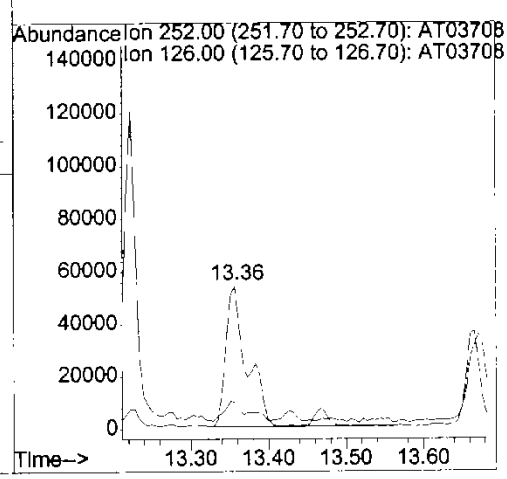


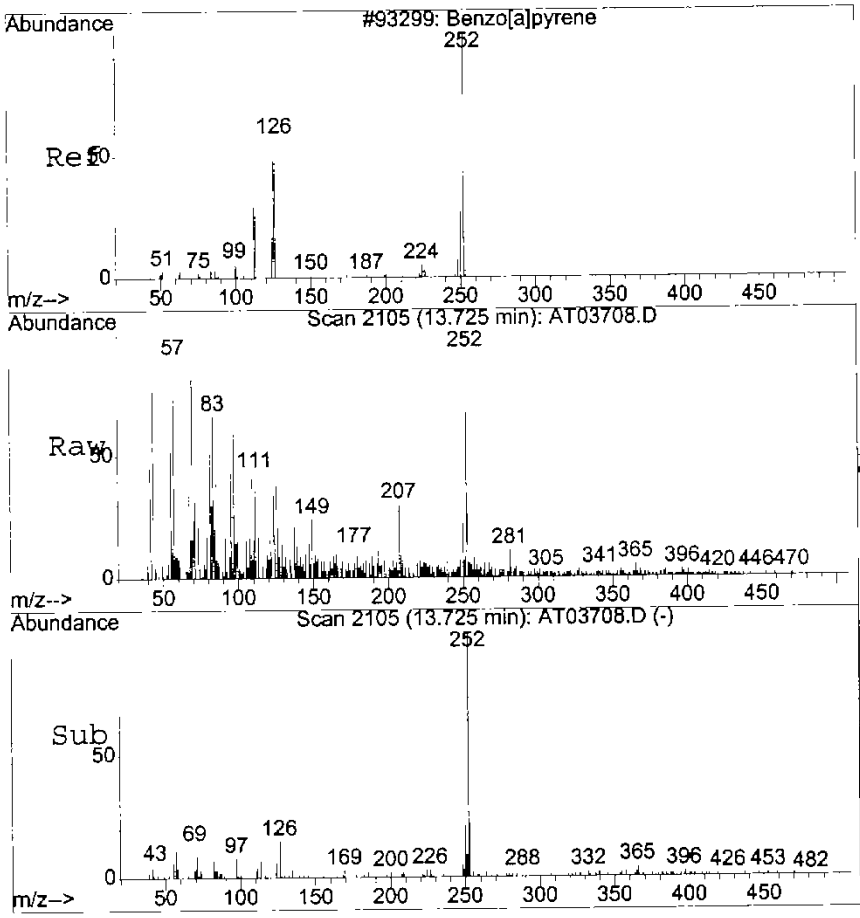


#90
Benzofluoranthenes
Concen: 151.89 ug/L
RT: 13.37 min Scan# 2039
Delta R.T. 0.01 min
Lab File: AT03708.D
Acq: 1 Mar 2005 5:34 pm

Tgt Ion:252 Resp: 108299

Ion	Ratio	Lower	Upper
252	100		
126	18.2	0.0	47.4

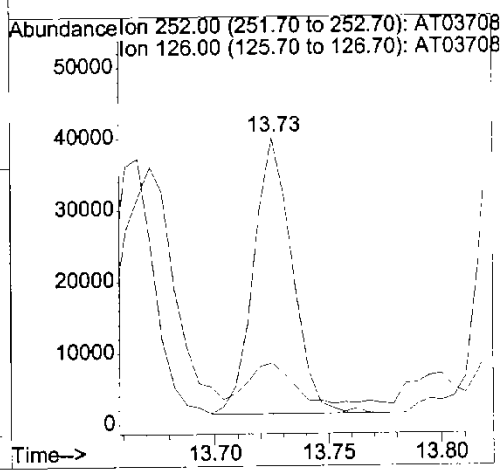


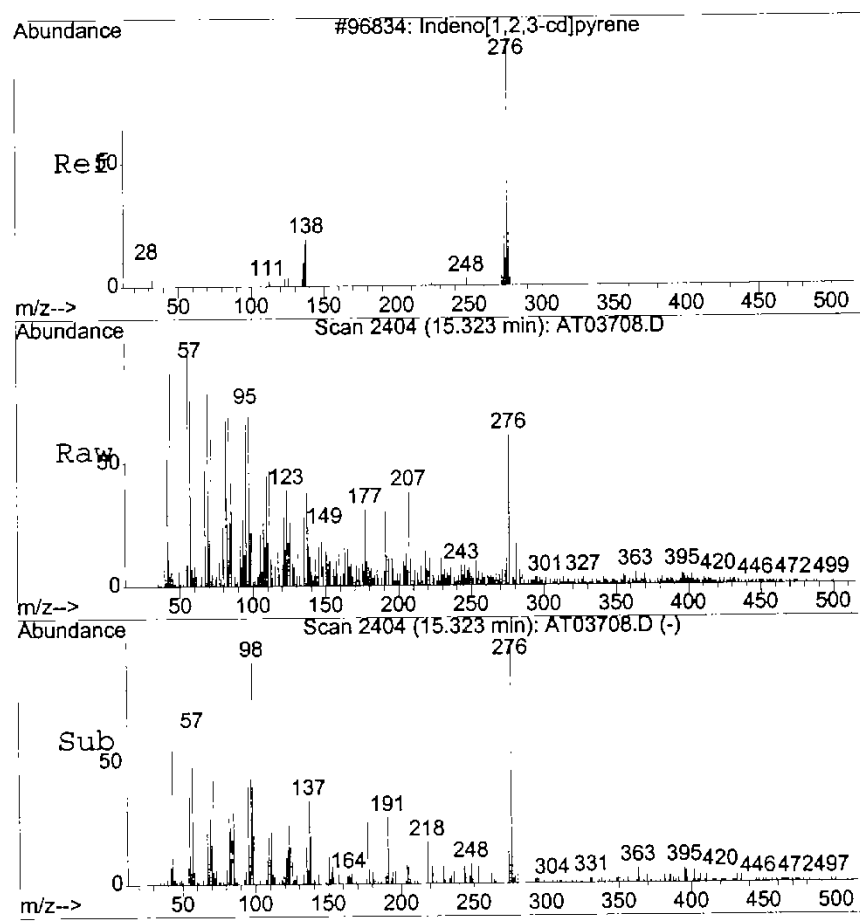


#91
Benzo(a)pyrene
Concen: 74.22 ug/L
RT: 13.73 min Scan# 2105
Delta R.T. 0.01 min
Lab File: AT03708.D
Acq: 1 Mar 2005 5:34 pm

Tgt Ion:252 Resp: 45374

Ion	Ratio	Lower	Upper
252	100		
126	11.8	0.0	45.3

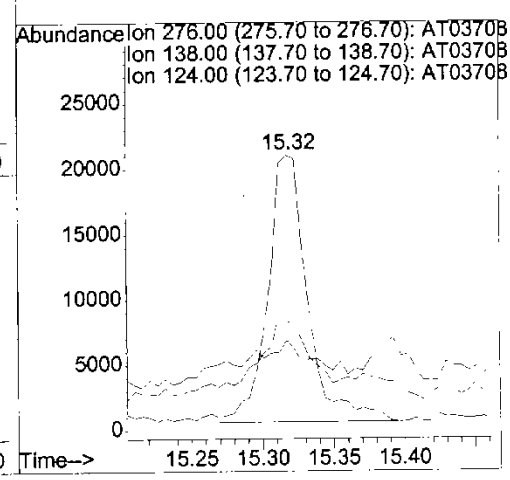


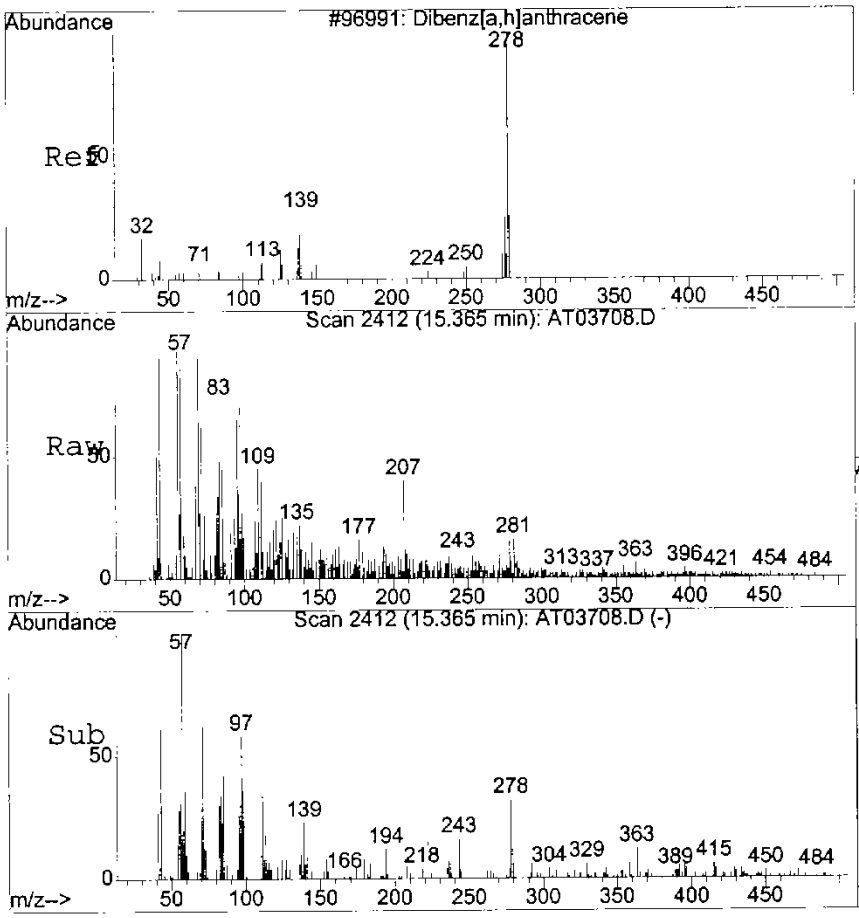


#92
Indeno(1,2,3-cd)pyrene
Concen: 77.89 ug/L
RT: 15.32 min Scan# 2404
Delta R.T. 0.03 min
Lab File: AT03708.D
Acq: 1 Mar 2005 5:34 pm

Tgt Ion:276 Resp: 39820

Ion	Ratio	Lower	Upper
276	100		
138	24.9	0.0	51.8
124	4.0	0.0	35.4

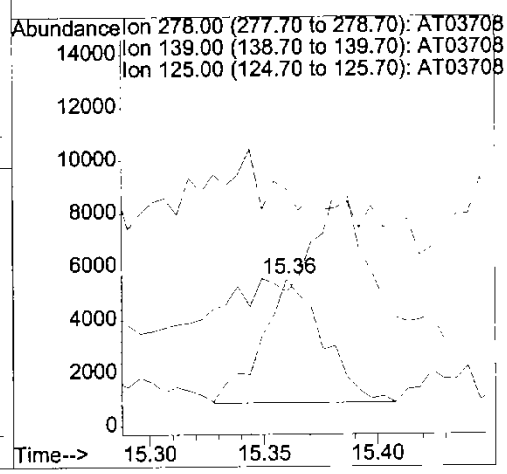


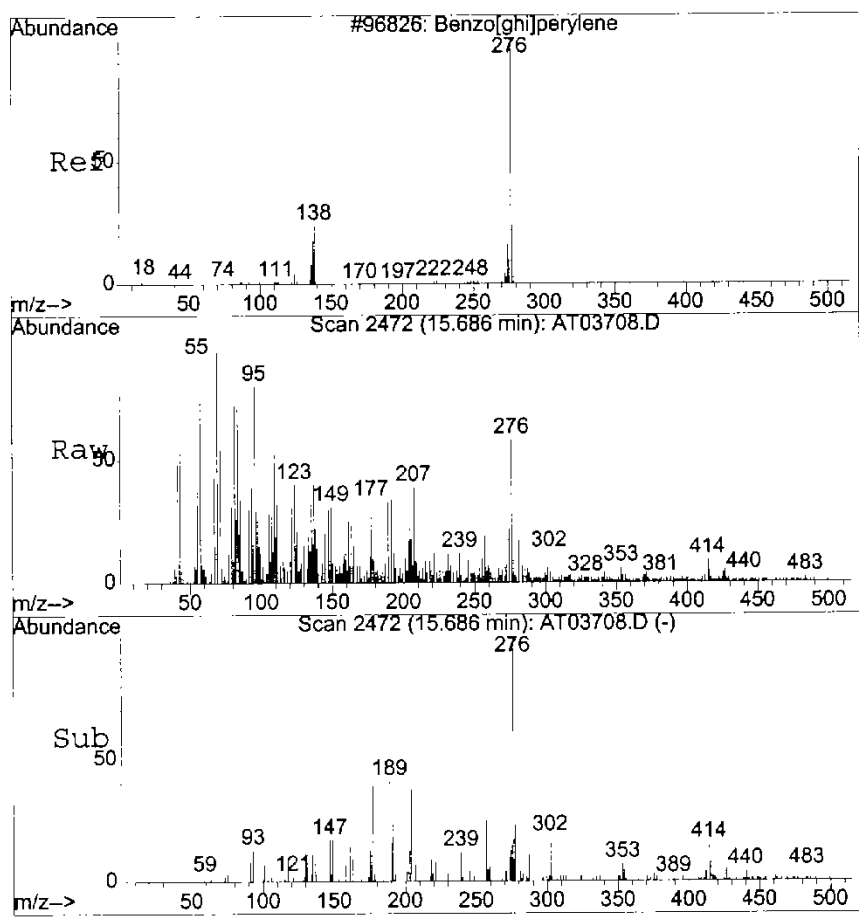


#93
Dibenz(a,h)anthracene
Concen: 24.64 ug/L
RT: 15.36 min Scan# 2412
Delta R.T. 0.02 min
Lab File: AT03708.D
Acq: 1 Mar 2005 5:34 pm

Tgt Ion:278 Resp: 8652

Ion	Ratio	Lower	Upper
278	100		
139	32.4	0.0	46.7
125	0.0	0.0	35.8

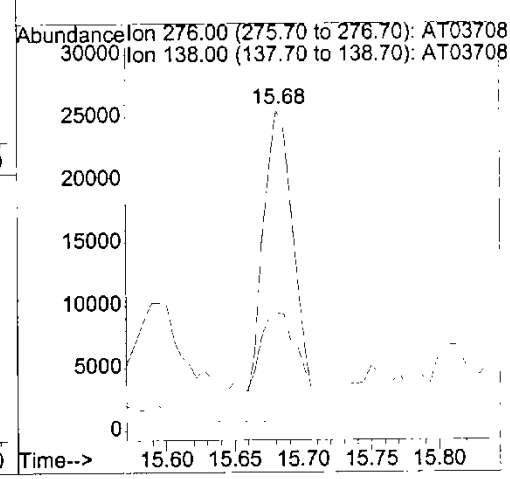




#94
Benzo(g,h,i)perylene
Concen: 62.61 ug/L
RT: 15.68 min Scan# 2472
Delta R.T. 0.02 min
Lab File: AT03708.D
Acq: 1 Mar 2005 5:34 pm

Tgt Ion:276 Resp: 42752

Ion	Ratio	Lower	Upper
276	100		
138	22.3	0.0	54.3

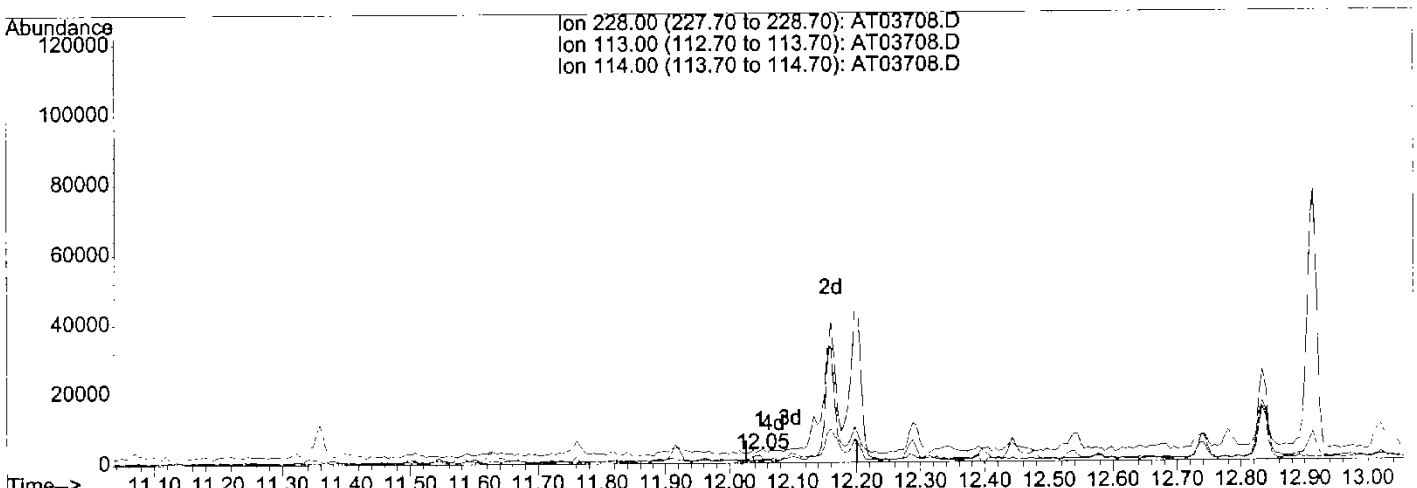


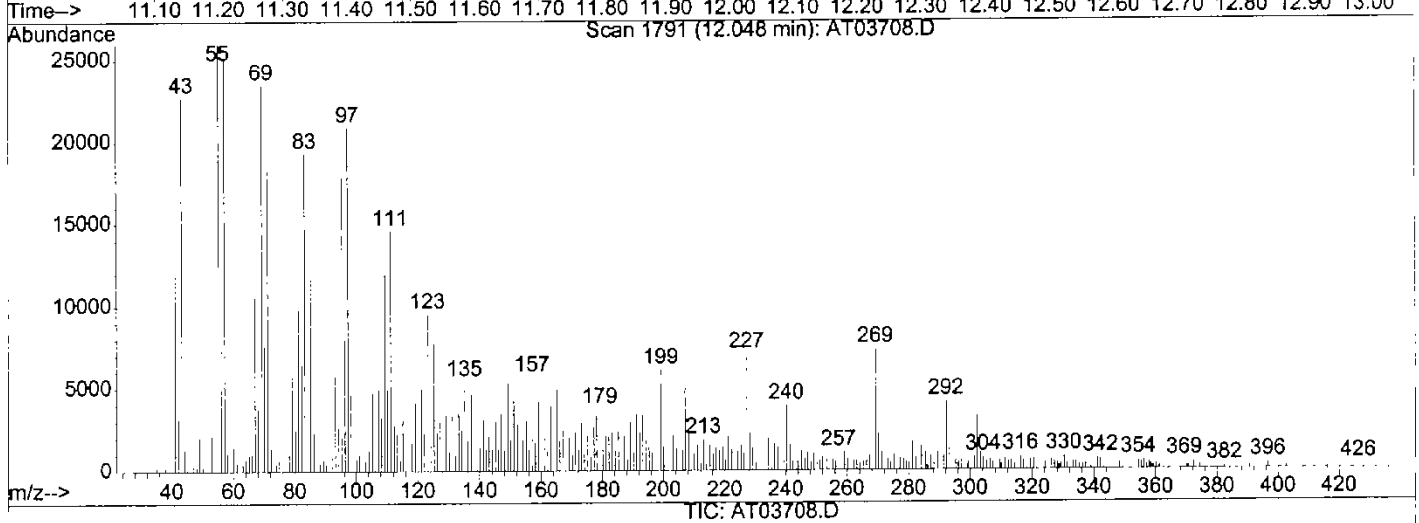
Quantitation Report (Qedit)

Data File : H:\DATA\030105_A\AT03708.D
Acq On : 1 Mar 2005 5:34 pm
Sample : 126377-1 &1 1:5 ss1348
Misc :
MS Integration Params: Rteint.p
Quant Time: Mar 2 6:35 2005

Vial: 22
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: temp.res

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Feb 28 14:16:48 2005
Response via : Multiple Level Calibration





(82) Benzo(a)anthracene (T)

12.05min 1.30ug/L

response 894

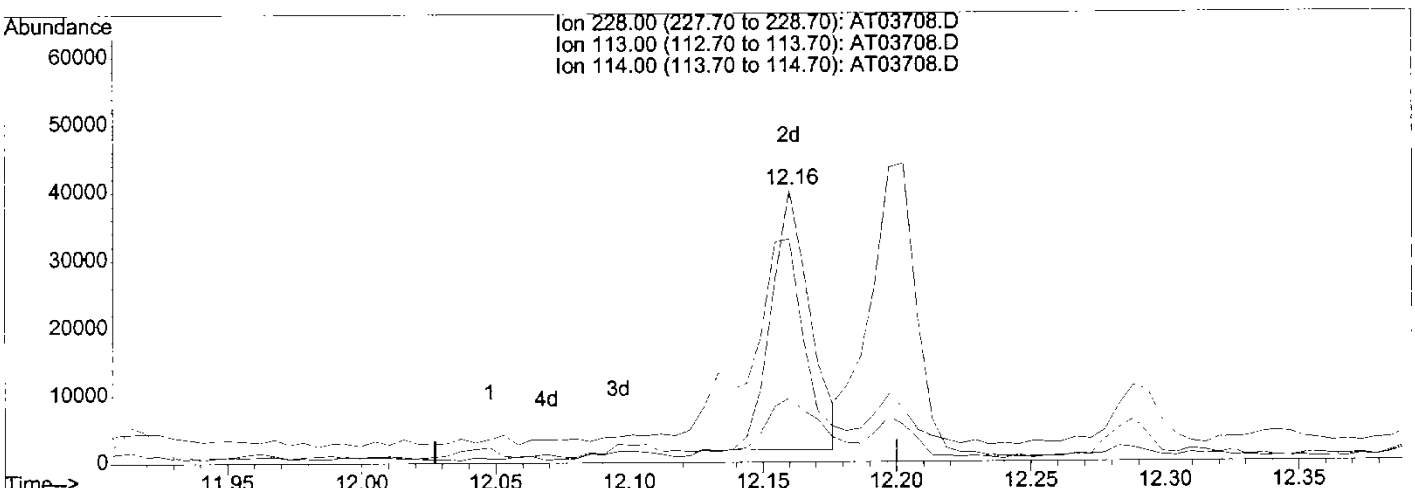
Ion	Exp%	Act%
228.00	100	100
113.00	11.10	38.10
114.00	12.70	0.00
0.00	0.00	0.00

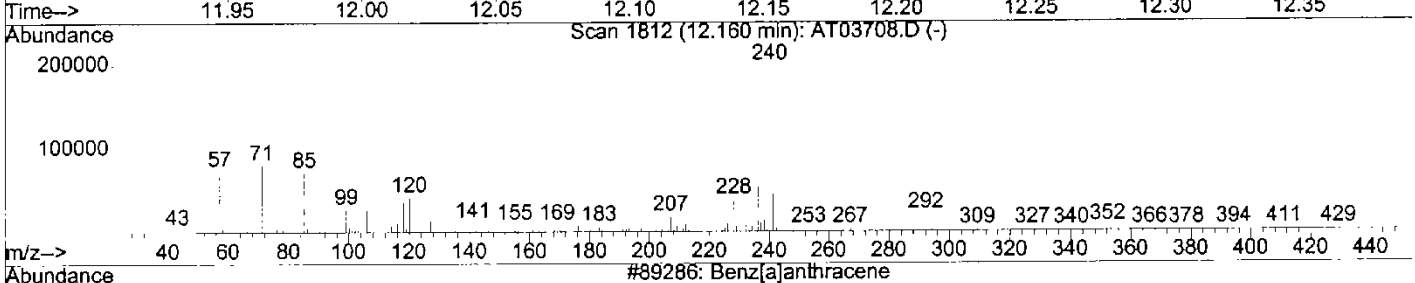
Quantitation Report (Qedit)

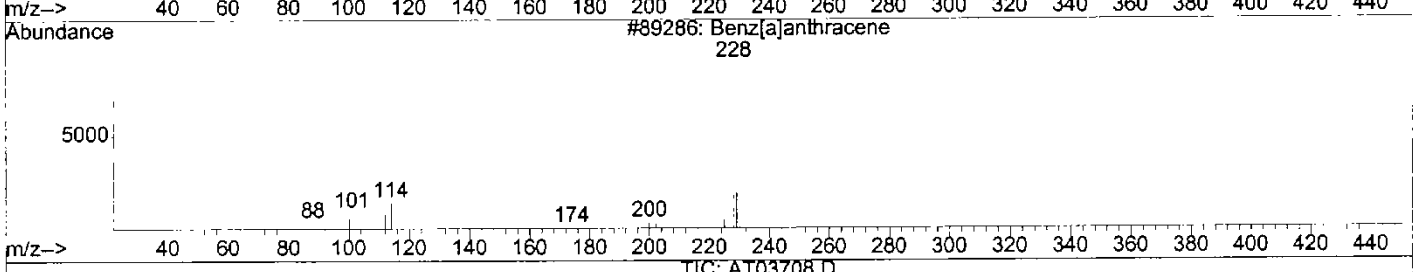
Data File : H:\DATA\030105_A\AT03708.D
Acq On : 1 Mar 2005 5:34 pm
Sample : 126377-1 &1 1:5 ss1348
Misc :
MS Integration Params: Rteint.p
Quant Time: Mar 2 8:14 2005

Vial: 22
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: temp.res

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Feb 28 14:16:48 2005
Response via : Multiple Level Calibration







(82) Benzo(a)anthracene (T)

12.16min 56.54ug/L m

response 38914

Ion	Exp%	Act%
228.00	100	100
113.00	11.10	82.32#
114.00	12.70	23.72
0.00	0.00	0.00

AT03708.D 8270_022505.M Wed Mar 02 08:15:08 2005 MSD1

00261

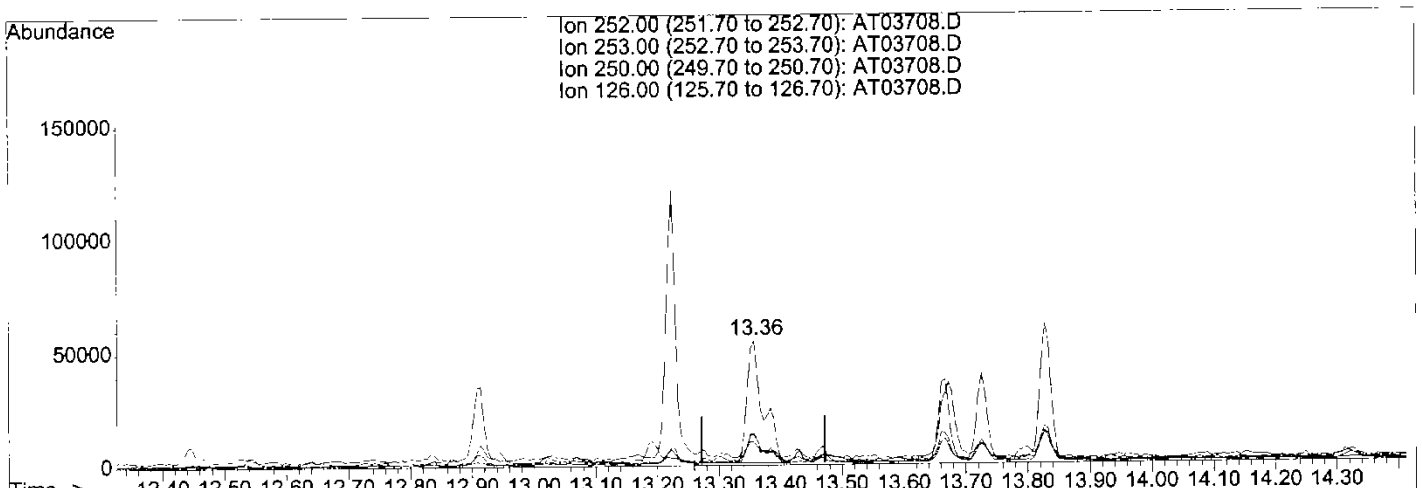
Quantification Report (Qedit)

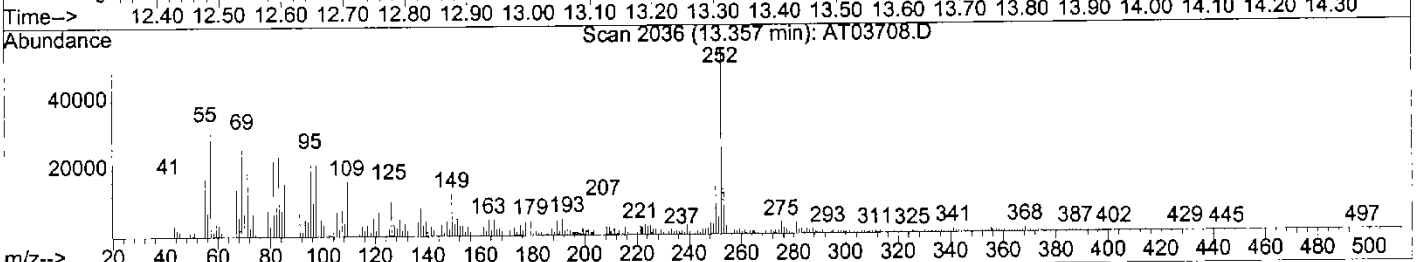
Data File : H:\DATA\030105_A\AT03708.D
Acq On : 1 Mar 2005 5:34 pm
Sample : 126377-1 &1 1:5 ss1348
Misc :
MS Integration Params: Rteint.p
Quant Time: Mar 2 6:28 2005

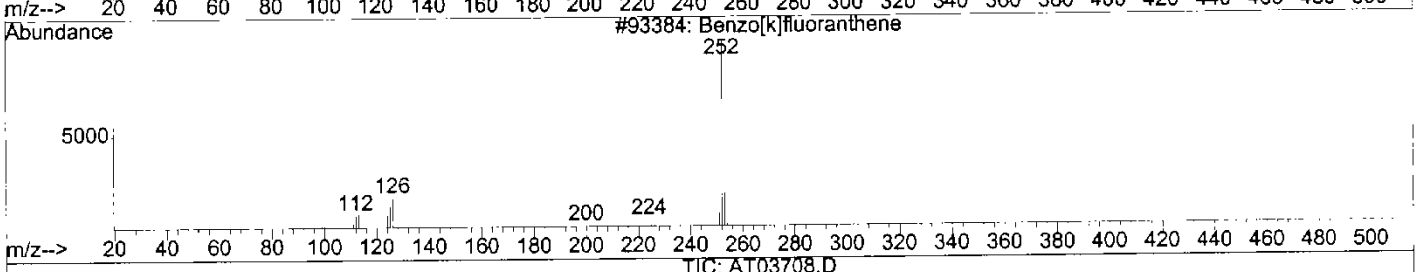
Vial: 22
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00

Quant Results File: temp.res

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Feb 28 14:16:48 2005
Response via : Multiple Level Calibration







(89) benzo(k)fluoranthene (T)

13.36min 140.99ul/l

response 99241

Ion	Exp%	Act%
252.00	100	100
253.00	21.90	20.64
250.00	22.20	23.79
126.00	17.40	12.28

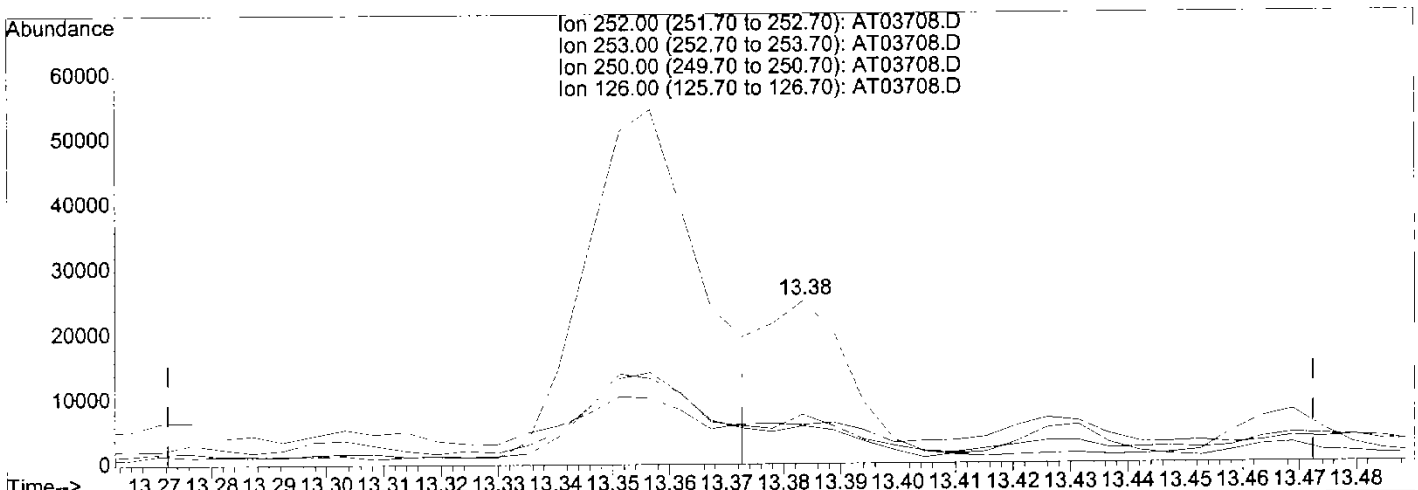
3/2/05

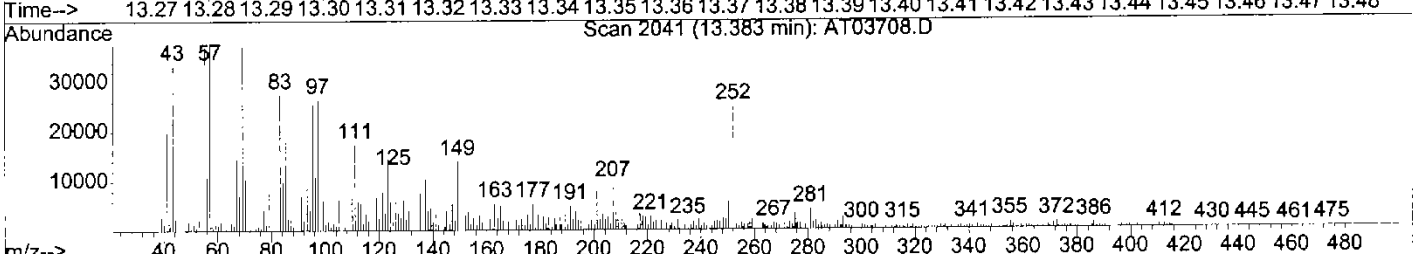
Quantitation Report (Qedit)

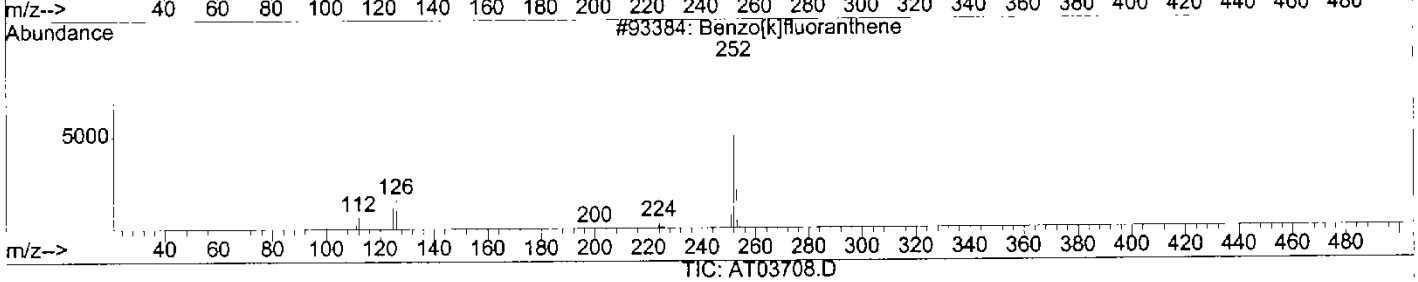
Data File : H:\DATA\030105_A\AT03708.D
Acq On : 1 Mar 2005 5:34 pm
Sample : 126377-1 &1 1:5 ss1348
Misc :
MS Integration Params: Rteint.p
Quant Time: Mar 2 6:35 2005

Vial: 22
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: temp.res

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Feb 28 14:16:48 2005
Response via : Multiple Level Calibration







(89) benzo(k)fluoranthene (T)

13.38min 37.51ul/l m

response 26403

Ion	Exp%	Act%
252.00	100	100
253.00	21.90	30.43#
250.00	22.20	23.35
126.00	17.40	24.19#

Quantification Report (QT Reviewed)

Data File : H:\DATA\022505_A\AT03677.D
Acq On : 25 Feb 2005 3:27 pm
Sample : 126377-2 &1
Misc :
MS Integration Params: Rteint.p
Quant Time: Feb 28 06:57:05 2005

Vial: 18
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: 8270_022505.RES

Quant Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Fri Feb 25 12:17:02 2005
Response via : Initial Calibration
DataAcq Meth : 8270EXT

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4 (I)	5.56	152	281753	1000.000 ug/L	0.00
23) Naphthalene - d8 (I)	6.66	136	1114546	1000.000 ug/L	0.00
39) Acenaphthene - d10 (I)	8.13	162	589979	1000.000 ug/L	0.00
63) Phenanthrene - d10 (I)	9.45	188	1095645	1000.000 ug/L	0.00
80) Chrysene - d12 (I)	12.33	240	1130803	1000.000 ul/l	0.00
86) Perylene - d12 (I)	14.01	264	1136186	1000.000 ug/L	0.01
System Monitoring Compounds					
4) 2 - Fluorophenol (S)	4.30	112	109870	465.73 ug/L	-0.03
8) Phenol - d5 (S)	5.25	99	171234	644.89 ug/L	0.00
24) Nitrobenzene - d5 (S)	6.05	82	96160	420.79 ug/L	-0.01
44) 2 - Fluorobiphenyl (S)	7.58	172	305603	480.07 ug/L	0.00
66) 2,4,6 - Tribromophenol (S)	8.80	330	87228	814.89 ug/L	0.00
79) p - Terphenyl - d14 (S)	11.15	244	500303	754.20 ug/L	0.00
Target Compounds					Qvalue
5) Cyclohexanone	4.56	55	3053	16.518 ul/L	84
6) Benzaldehyde	5.17	105	59517	278.996 ul/L	99
9) Phenol	5.26	94	33359	117.830 ug/L	80
12) Decane	5.43	57	6406	22.350 ul/L	92
13) 1,3-Dichlorobenzene	5.50	146	1919	5.842 ug/L	67
15) Benzyl alcohol	5.70	79	21323	143.097 ug/L	95
16) 1,2-Dichlorobenzene	5.70	146	2377	6.947 ug/L	74
19) 3-&4-Methylphenol	5.94	108	12501	78.651 ug/L	96
21) Acetophenone	5.93	105	11528	38.057 ul/L	88
27) 2-Nitrophenol	6.30	139	1580	~~12.416 ug/L~~	73
28) 2,4-Dimethylphenol	6.40	107	1275	~~33.522 ug/L~~	77
30) Benzoic Acid	6.46	105	97396	1125.961 ug/L	97
32) 1,2,4-Trichlorobenzene	6.61	180	2823	9.902 ug/L	93
33) Naphthalene	6.68	128	46017	53.496 ug/L	98
37) 2-Methylnaphthalene	7.27	141	19322	42.395 ug/L	84
38) 1-Methylnaphthalene	7.35	141	10030	21.122 ul/l	81
40) Hexachlorocyclopentadiene	7.39	237	136	~~29.439 ug/L~~	87
46) Biphenyl	7.66	154	11809	17.855 ul/L	90
48) Dimethylphthalate	7.92	163	35524	64.119 ug/L	66
49) Acenaphthylene	8.01	152	19656	24.157 ug/L	97
51) 3-Nitroaniline	8.08	138	1227	Below Cal #	52
52) Acenaphthene	8.15	153	12943	24.174 ug/L	80
55) Dibenzofuran	8.30	168	13450	18.752 ug/L	96
56) 2,4-Dinitrotoluene	8.34	165	475	~~33.872 ug/L~~	99
59) Diethylphthalate	8.51	149	39196	66.892 ug/L	94
60) Fluorene	8.59	166	28565	51.748 ug/L	94

(#) = qualifier out of range (m) = manual integration

00264

Quantitation Report (QT Reviewed)

Data File : H:\DATA\022505_A\AT03677.D
Acq On : 25 Feb 2005 3:27 pm
Sample : 126377-2 &1
Misc :
MS Integration Params: Rteint.p
Quant Time: Feb 28 06:57:05 2005

Vial: 18
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: 8270_022505.RES

Quant Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Fri Feb 25 12:17:02 2005
Response via : Initial Calibration
DataAcq Meth : 8270EXT

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
62)	4-Nitroaniline	8.63	138	503	~~6.375 ug/L~~	87
67)	Azobenzene	8.78	77	2432	~~5.462 ug/L~~	59
70)	Pentachlorophenol	9.27	266	2537	25.667 ug/L	61
71)	Phenanthrene	9.47	178	204656	229.109 ug/L	100
72)	Anthracene	9.52	178	37929	46.816 ug/L	94
73)	Octadecane	9.38	57	46032	177.574 ul/L	90
74)	Carbazole	9.69	167	16947	30.899 ug/L	85
75)	Di-n-butylphthalate	10.08	149	4352128	4532.525 ug/L	99
76)	Fluoranthene	10.72	202	334169m	366.535 ug/L	
77)	Pyrene	10.95	202	347871	367.872 ug/L	96
78)	Benzidine	10.84	184	3543	27.326 ul/l	39
81)	Butylbenzylphthalate	11.74	149	46241	181.982 ug/L	94
82)	Benzo(a)anthracene	12.32	228	159060	193.631 ug/L	81
84)	Chrysene	12.36	228	236499	276.212 ug/L	98
85)	bis(2-Ethylhexyl)phthalate	12.44	149	265324	500.093 ug/L	99
87)	Di-n-octylphthalate	13.14	149	9203	10.453 ug/L	64
88)	Benzo(b)fluoranthene	13.54	252	325551	339.220 ul/l	96
89)	benzo(k)fluoranthene	13.56	252	88397m	101.366 ul/l	
90)	Benzofluoranthenes	13.55	252	443006	501.504 ug/L	96
91)	Benzo(a)pyrene	13.93	252	184679	243.842 ug/L	99
92)	Indeno(1,2,3-cd)pyrene	15.58	276	140471	186.089 ug/L	52
93)	Dibenz(a,h)anthracene	15.56	278	5389	~~18.675 ug/L~~	67
94)	Benzo(g,h,i)perylene	15.93	276	158588	187.480 ug/L	91

(#) = qualifier out of range (m) = manual integration

00265

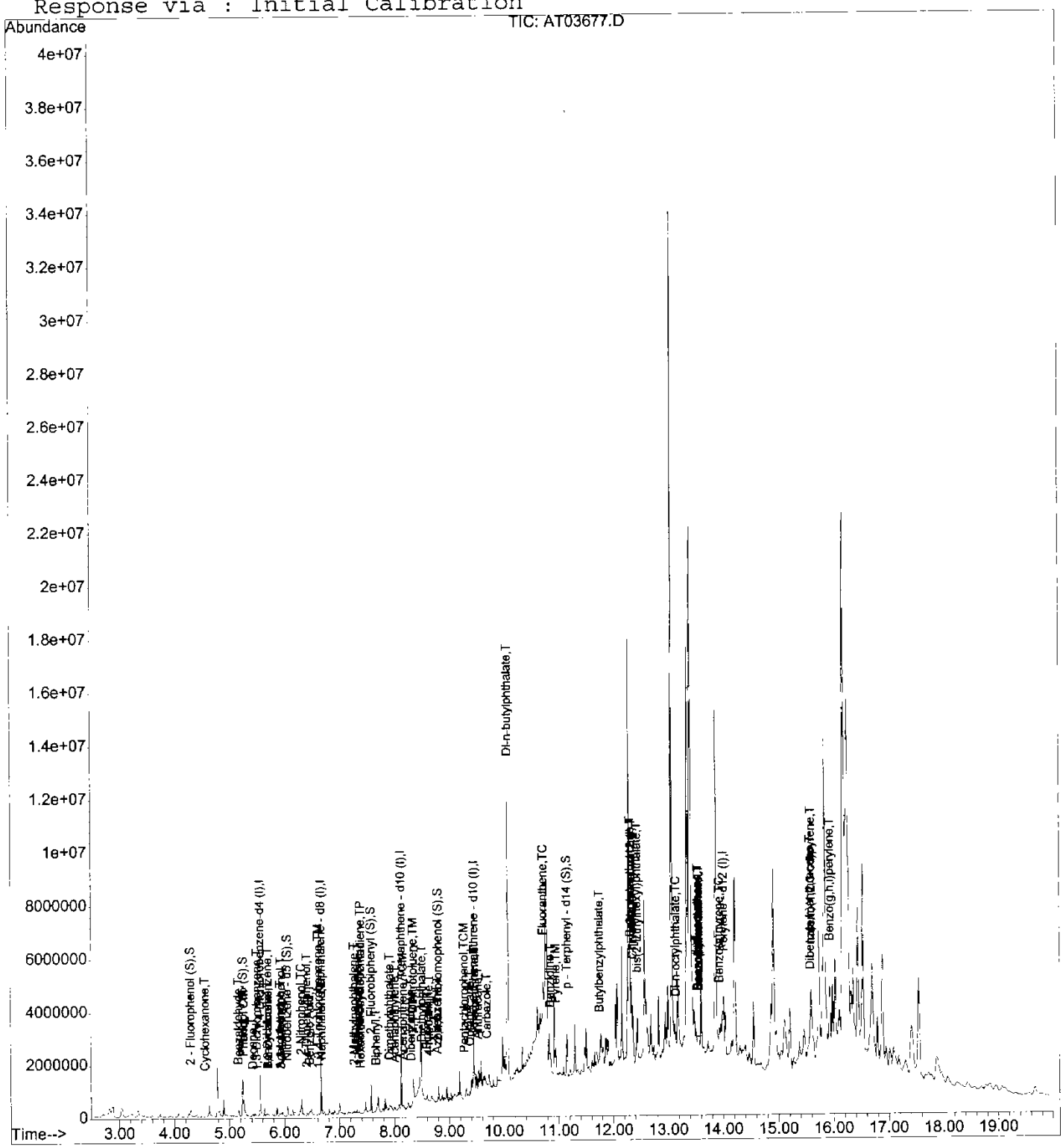
Quantitation Report (QT Reviewed)

Data File : H:\DATA\022505_A\AT03677.D
Acq On : 25 Feb 2005 3:27 pm
Sample : 126377-2 &1
Misc :
MS Integration Params: Rteint.p
Quant Time: Mar 1 7:27 2005

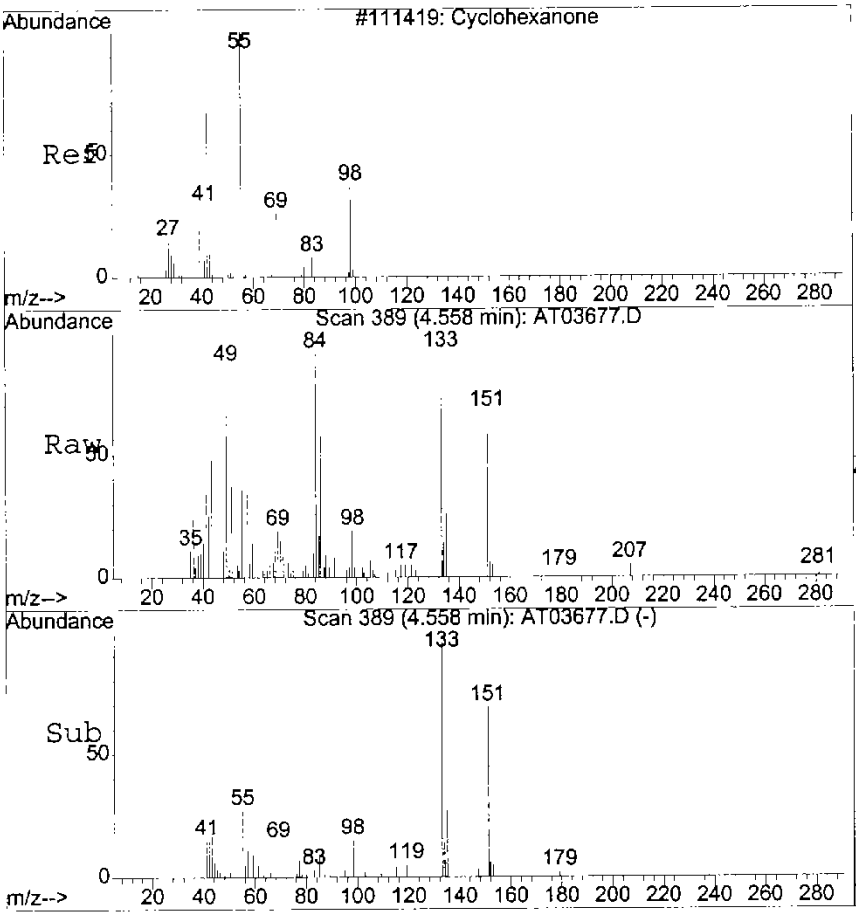
Vial: 18
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00

Quant Results File: 8270_022505.

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Feb 28 14:16:48 2005
Response via : Initial Calibration



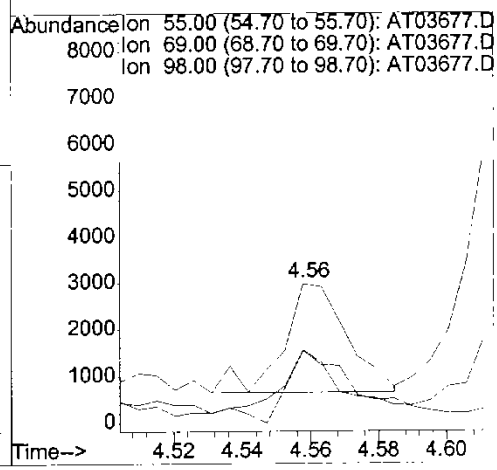
00266

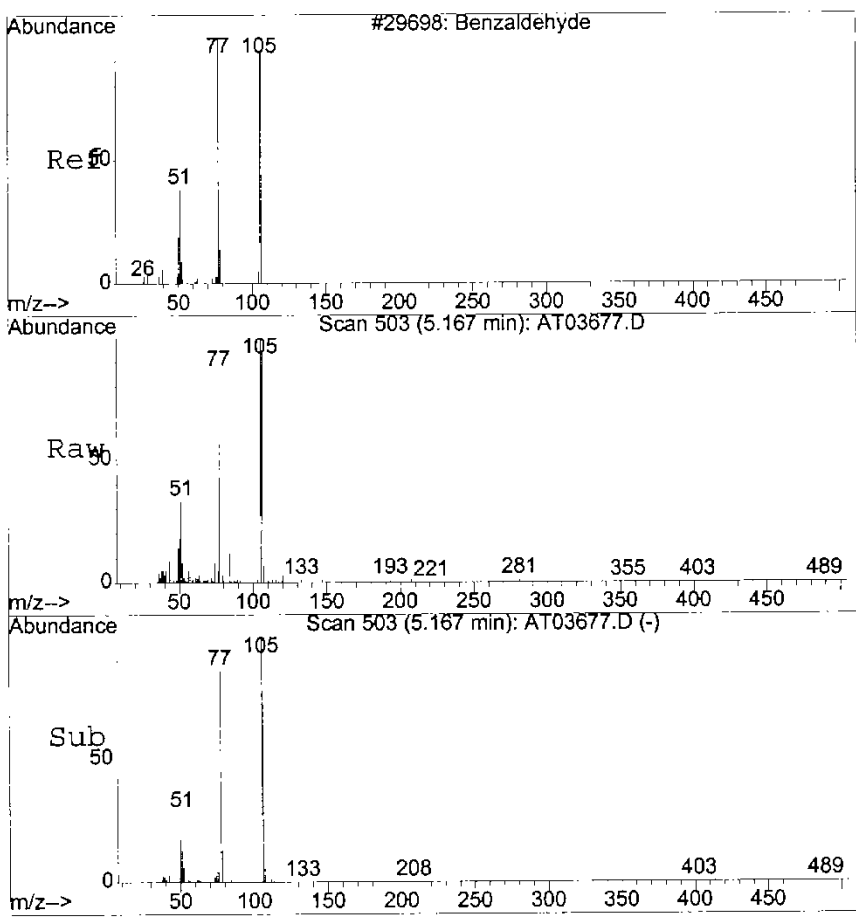


#5
Cyclohexanone
Concen: 16.52 ul/L
RT: 4.56 min Scan# 389
Delta R.T. -0.02 min
Lab File: AT03677.D
Acq: 25 Feb 2005 3:27 pm

Tgt Ion: 55 Resp: 3053

Ion	Ratio	Lower	Upper
55	100		
69	55.4	4.6	64.6
98	52.0	24.8	84.8

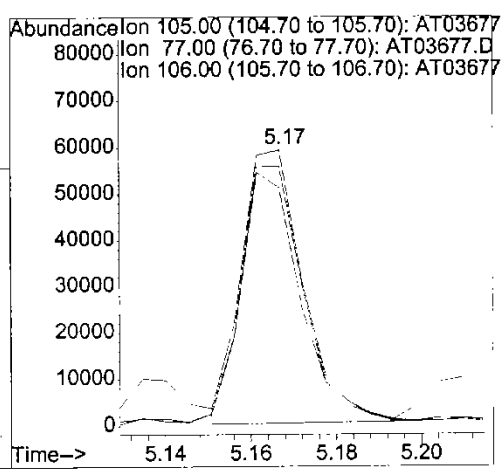




#6
Benzaldehyde
Concen: 279.00 ul/L
RT: 5.17 min Scan# 503
Delta R.T. -0.01 min
Lab File: AT03677.D
Acq: 25 Feb 2005 3:27 pm

Tgt Ion:105 Resp: 59517

Ion	Ratio	Lower	Upper
105	100		
77	94.3	63.9	123.9
106	99.9	72.0	132.0



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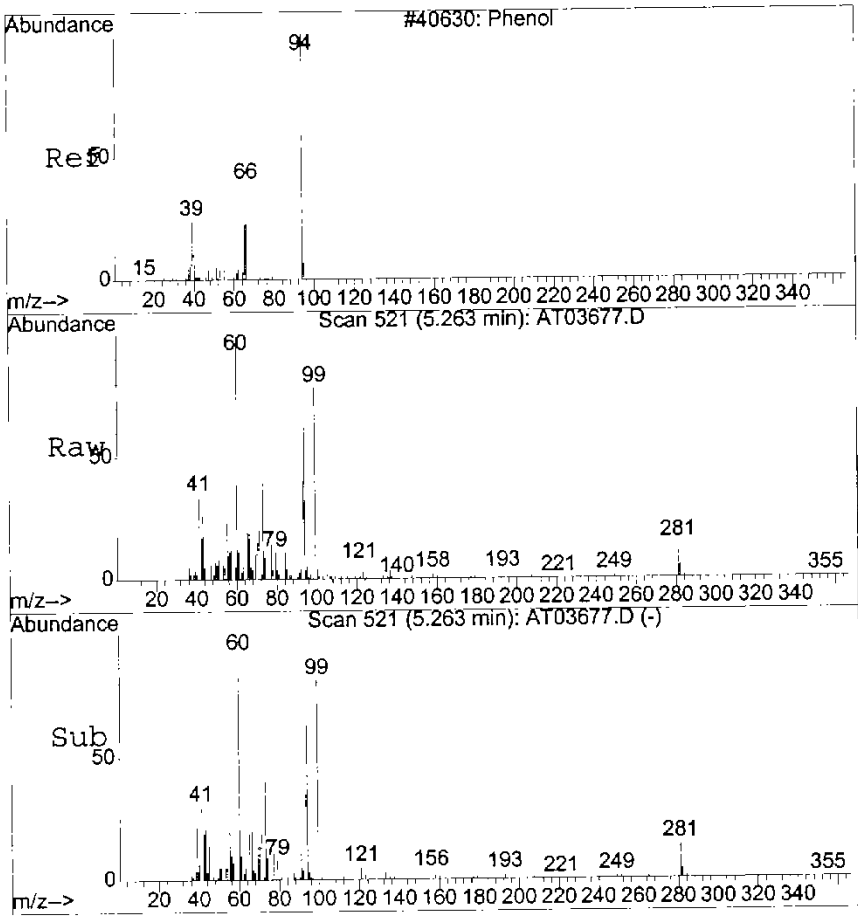
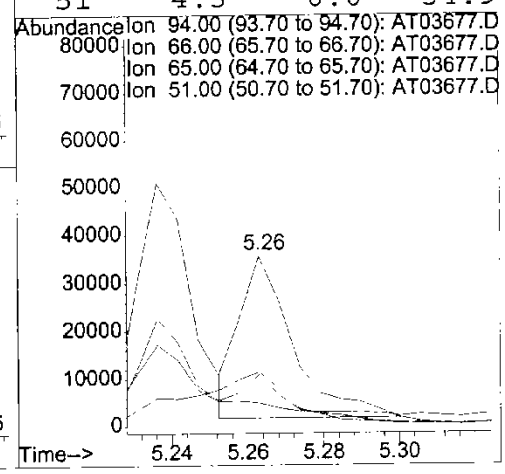
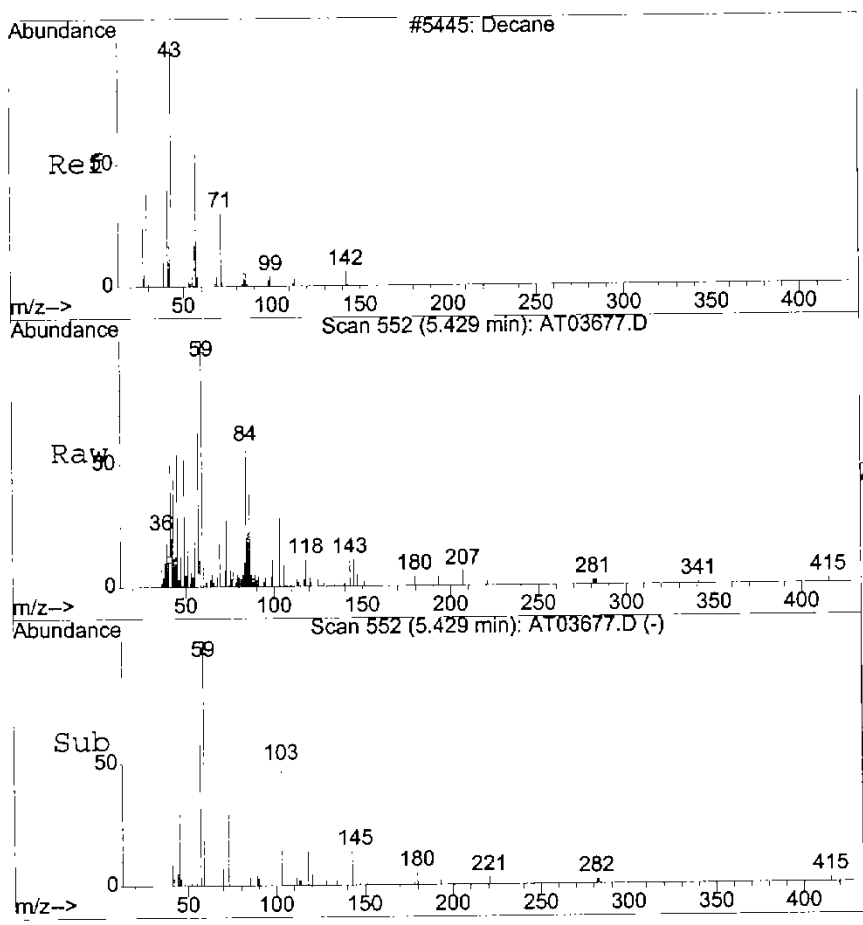


#9
Phenol
Concen: 117.83 ug/L
RT: 5.26 min Scan# 521
Delta R.T. -0.01 min
Lab File: AT03677.D
Acq: 25 Feb 2005 3:27 pm

Tgt Ion: 94 Resp: 33359

Ion	Ratio	Lower	Upper
94	100		
66	24.6	14.1	74.1
65	26.9	1.3	61.3
51	4.3	0.0	34.9

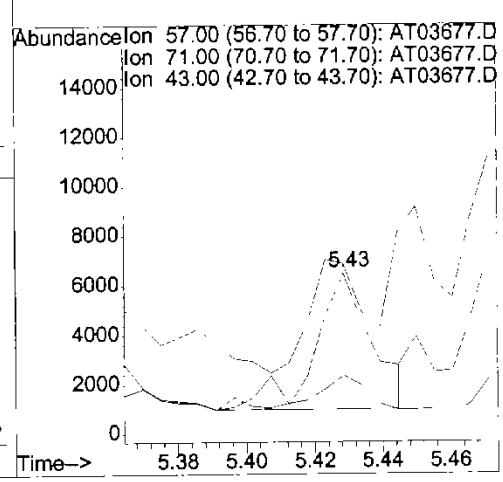


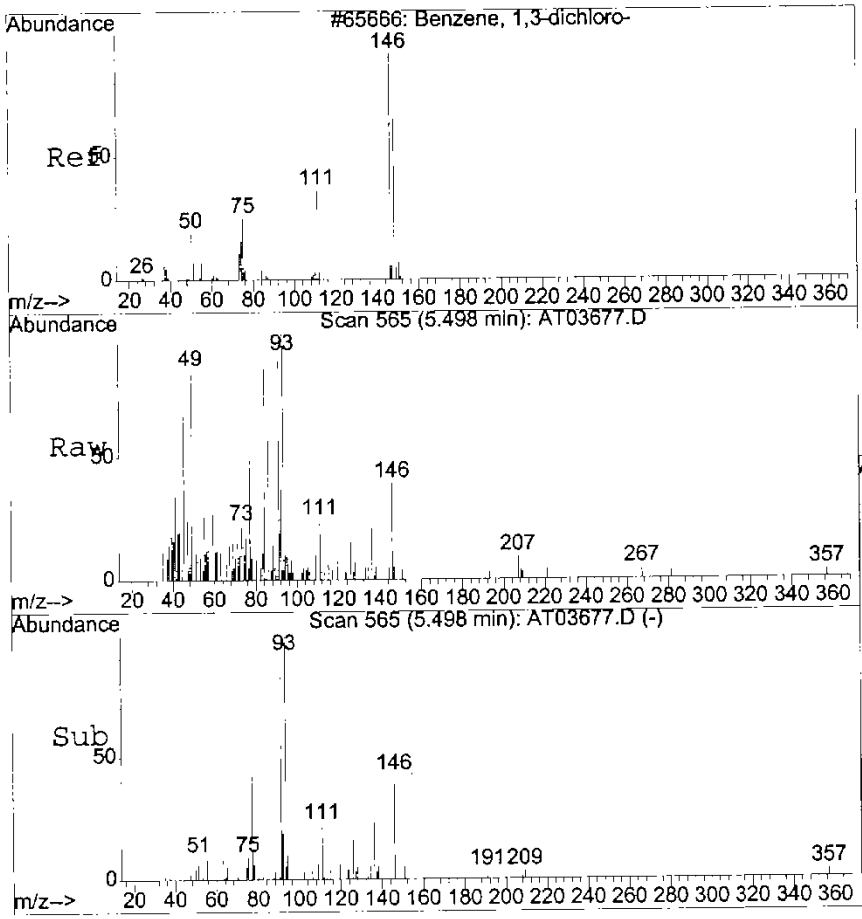


#12
Decane
Concen: 22.35 ul/L
RT: 5.43 min Scan# 552
Delta R.T. -0.00 min
Lab File: AT03677.D
Acq: 25 Feb 2005 3:27 pm

Tgt Ion: 57 Resp: 6406

Ion	Ratio	Lower	Upper
57	100		
71	29.6	13.9	73.9
43	78.2	48.7	108.7

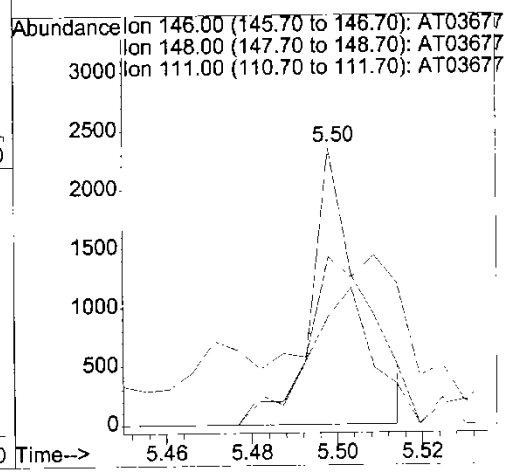


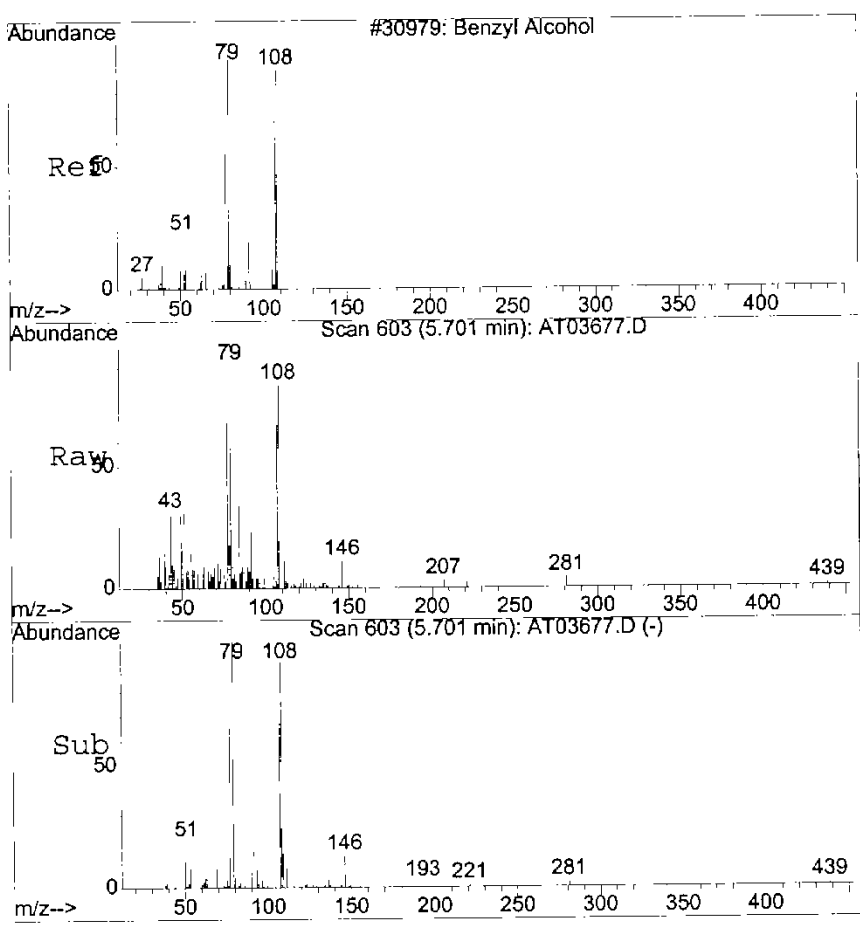


#13
1,3-Dichlorobenzene
Concen: 5.84 ug/L
RT: 5.50 min Scan# 565
Delta R.T. -0.01 min
Lab File: AT03677.D
Acq: 25 Feb 2005 3:27 pm

Tgt Ion:146 Resp: 1919

Ion	Ratio	Lower	Upper
146	100		
148	35.8	35.2	95.2
111	22.3	7.4	67.4

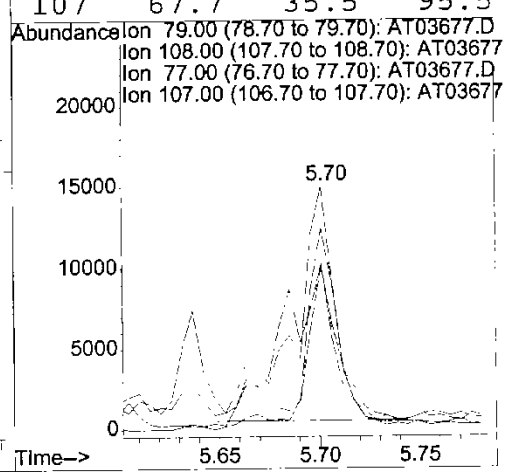


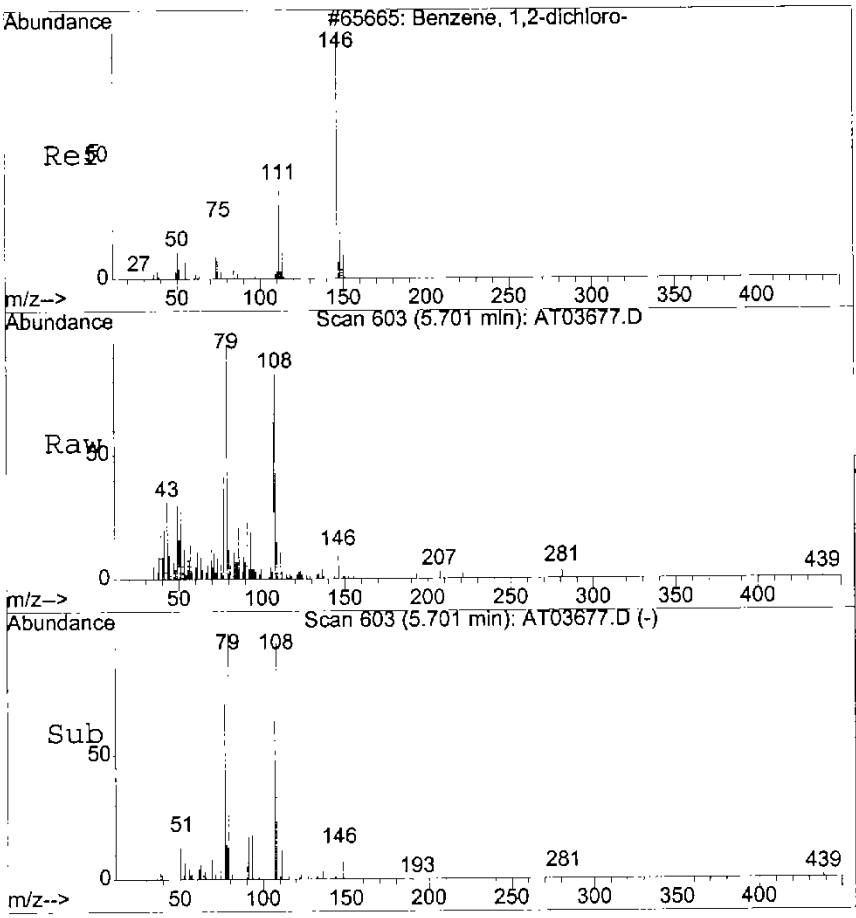


#15
Benzyl alcohol
Concen: 143.10 ug/L
RT: 5.70 min Scan# 603
Delta R.T. 0.00 min
Lab File: AT03677.D
Acq: 25 Feb 2005 3:27 pm

Tgt Ion: 79 Resp: 21323

Ion	Ratio	Lower	Upper
79	100		
108	85.7	62.2	122.2
77	62.8	29.8	89.8
107	67.7	35.5	95.5

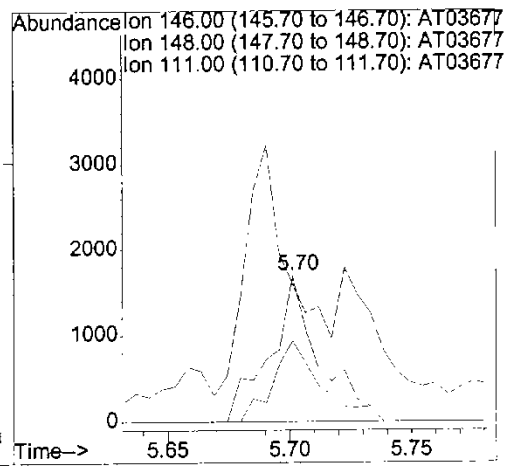


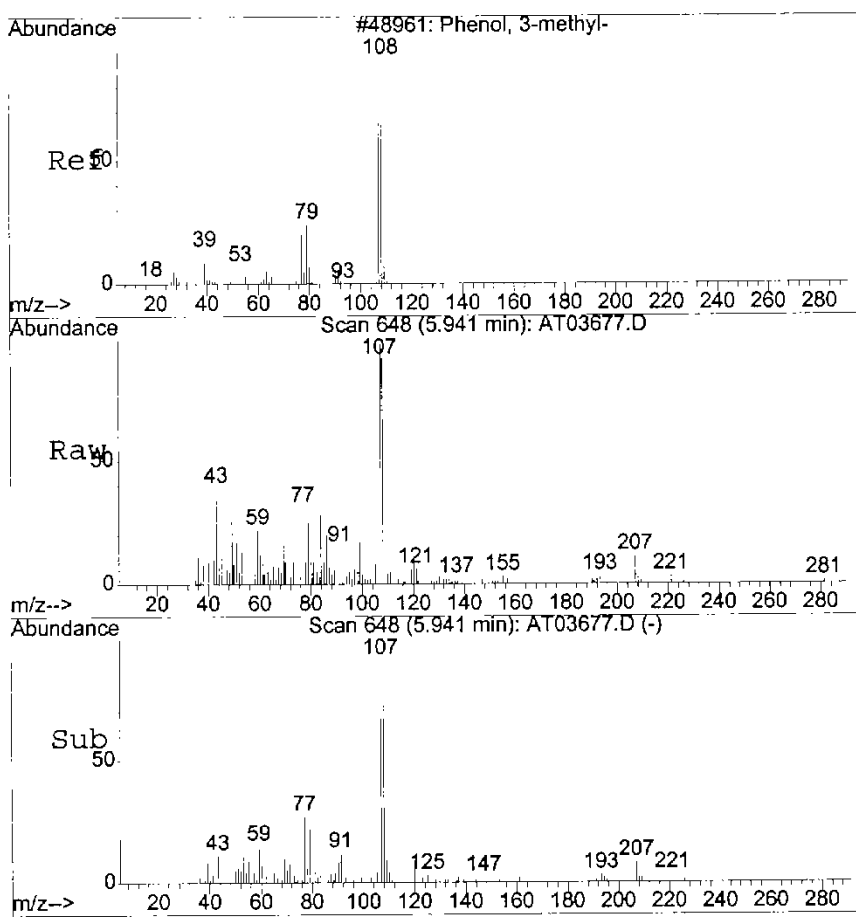


#16
1,2-Dichlorobenzene
Concen: 6.95 ug/L
RT: 5.70 min Scan# 603
Delta R.T. -0.00 min
Lab File: AT03677.D
Acq: 25 Feb 2005 3:27 pm

Tgt Ion:146 Resp: 2377

Ion	Ratio	Lower	Upper
146	100		
148	55.4	35.2	95.2
111	68.4	8.7	68.7

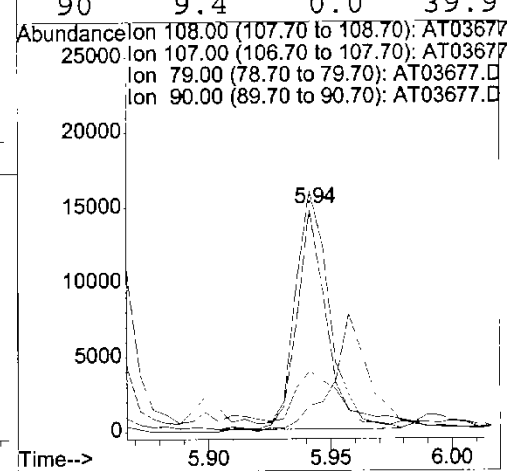


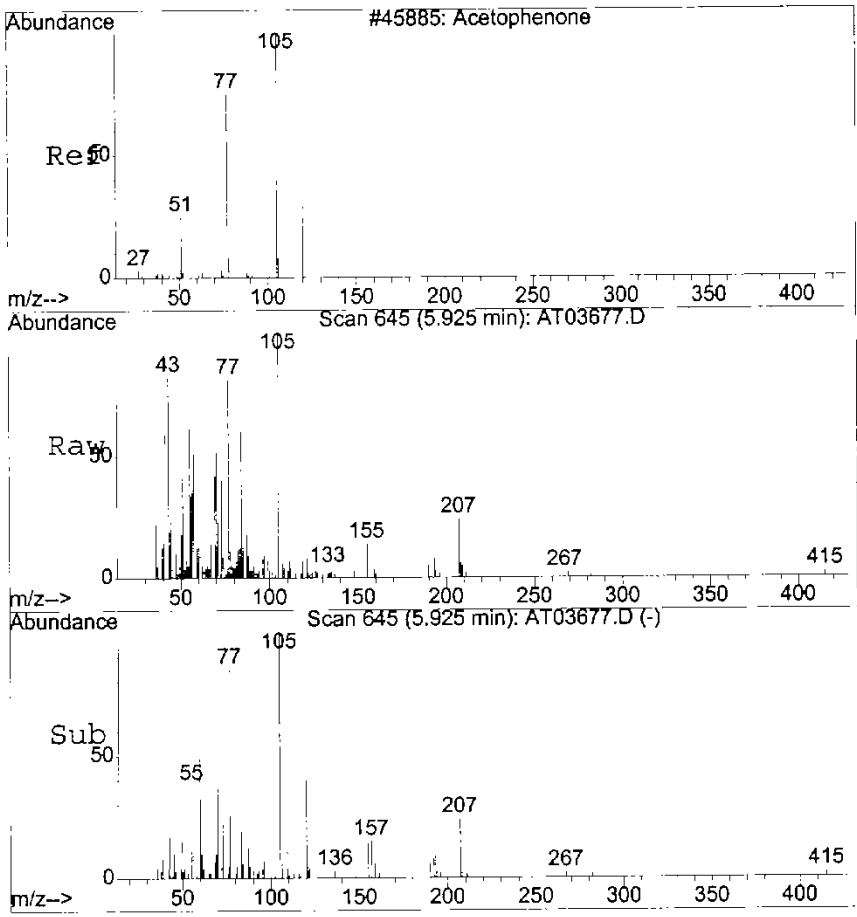


#19
3-&4-Methylphenol
Concen: 78.65 ug/L
RT: 5.94 min Scan# 648
Delta R.T. 0.00 min
Lab File: AT03677.D
Acq: 25 Feb 2005 3:27 pm

Tgt Ion:108 Resp: 12501

Ion	Ratio	Lower	Upper
108	100		
107	102.3	75.6	135.6
79	22.5	0.0	55.6
90	9.4	0.0	39.9

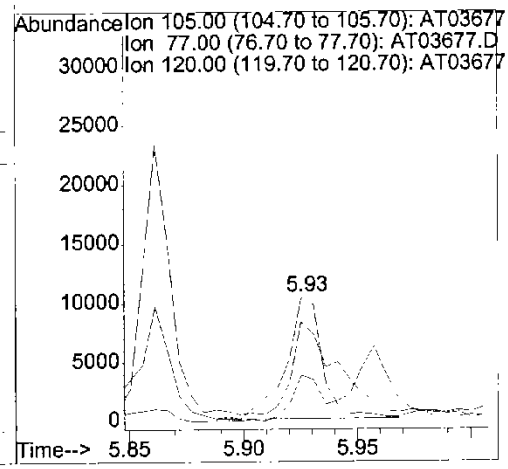


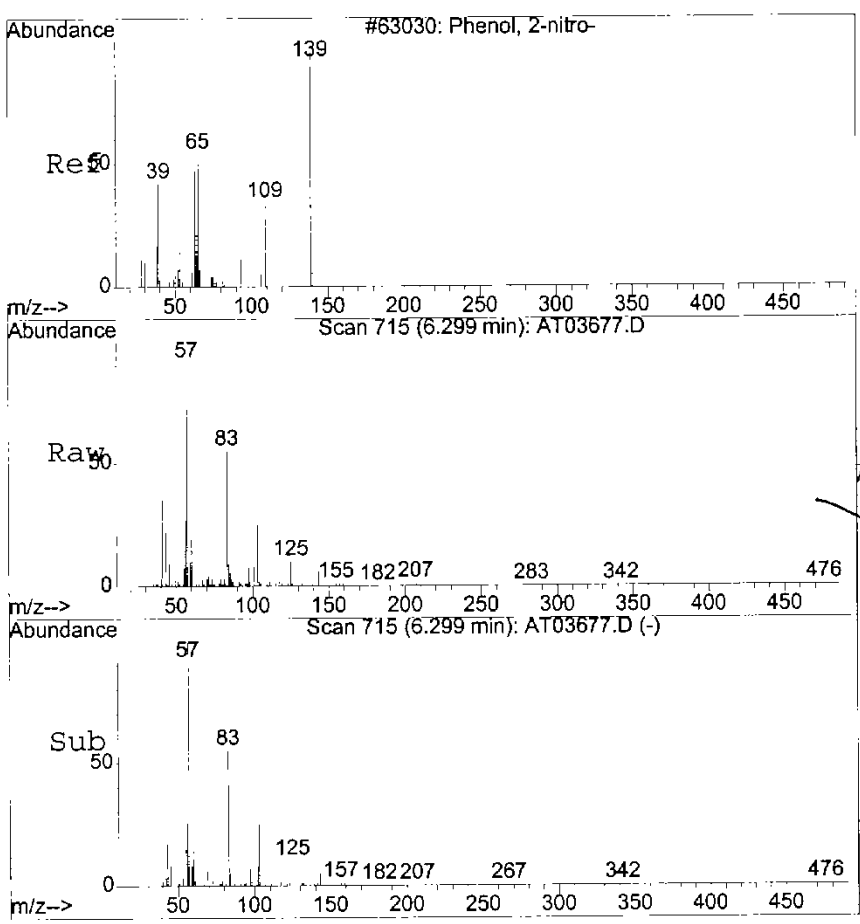


#21
Acetophenone
Concen: 38.06 ul/L
RT: 5.93 min Scan# 645
Delta R.T. -0.00 min
Lab File: AT03677.D
Acq: 25 Feb 2005 3:27 pm

Tgt Ion:105 Resp: 11528

Ion	Ratio	Lower	Upper
105	100		
77	92.1	78.1	138.1
120	29.8	0.5	60.5

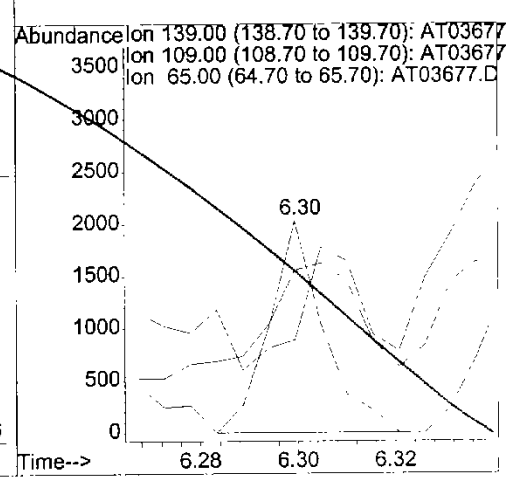


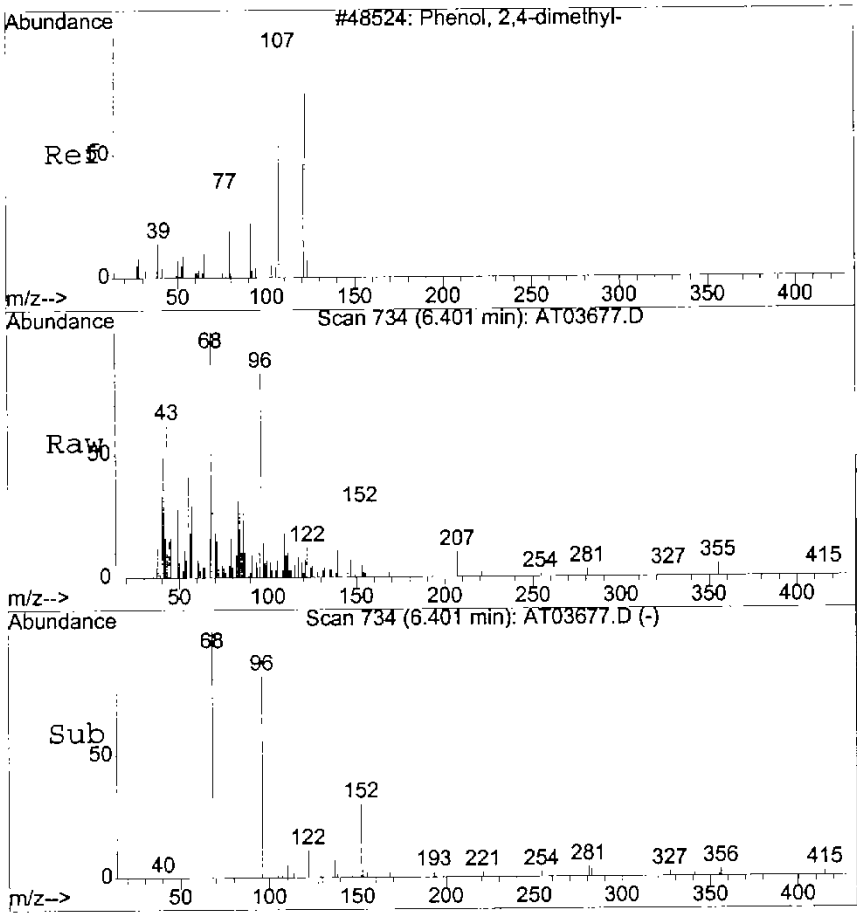


#27
2-Nitrophenol
Concen: 12.42 ug/L
RT: 6.30 min Scan# 715
Delta R.T. -0.05 min
Lab File: AT03677.D
Acq: 25 Feb 2005 3:27 pm

Tgt Ion:139 Resp: 1580

Ion	Ratio	Lower	Upper
139	100		
109	0.0	0.0	49.5
65	44.3	4.3	64.3

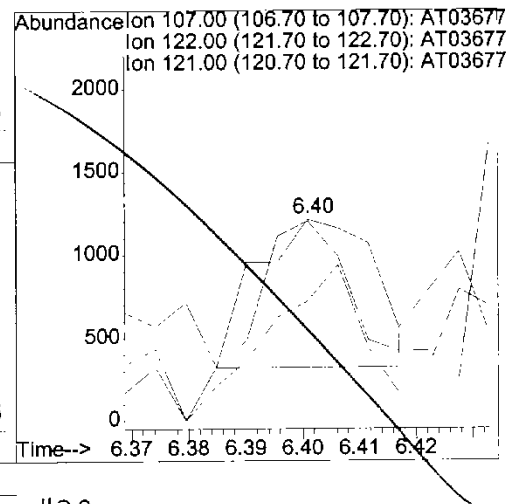


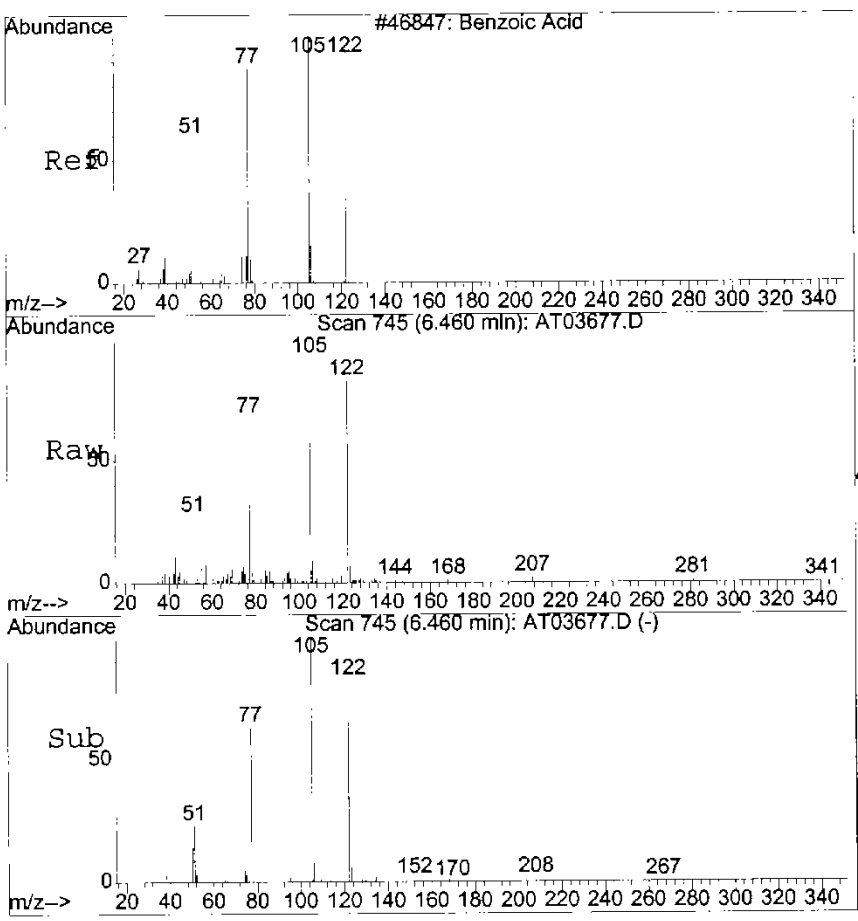


#28
2,4-Dimethylphenol
Concen: 33.52 ug/L
RT: 6.40 min Scan# 734
Delta R.T. 0.00 min
Lab File: AT03677.D
Acq: 25 Feb 2005 3:27 pm

Tgt Ion:107 Resp: 1275

Ion	Ratio	Lower	Upper
107	100		
122	107.7	55.5	115.5
121	69.5	23.6	83.6

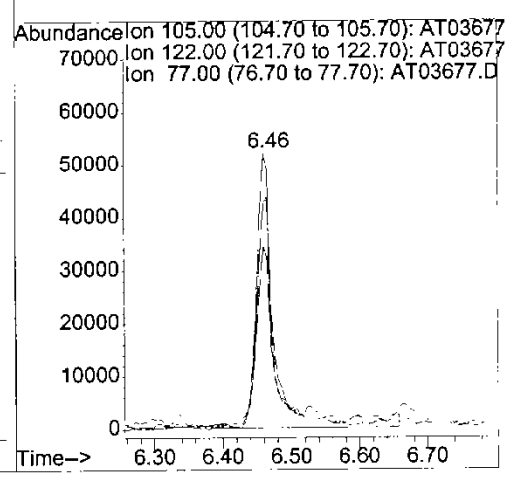




#30
Benzoic Acid
Concen: 1125.96 ug/L
RT: 6.46 min Scan# 745
Delta R.T. -0.04 min
Lab File: AT03677.D
Acq: 25 Feb 2005 3:27 pm

Tgt Ion:105 Resp: 97396

Ion	Ratio	Lower	Upper
105	100		
122	82.6	58.0	118.0
77	64.0	34.2	94.2



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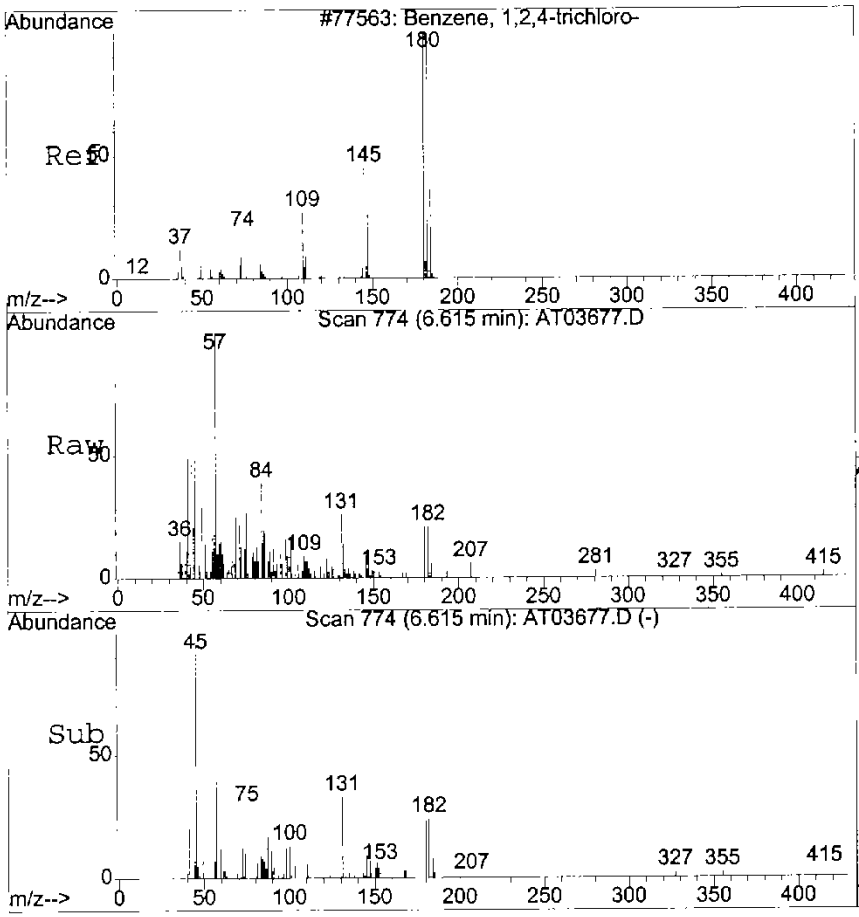
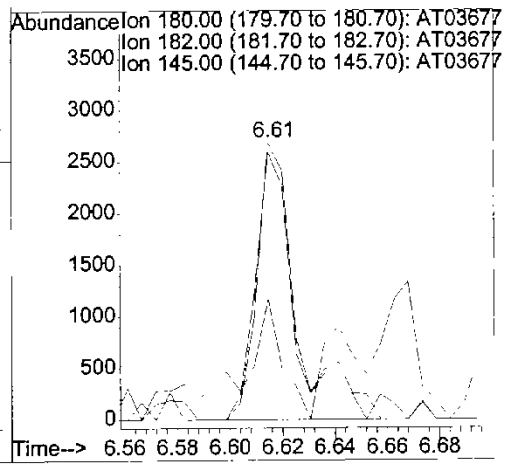
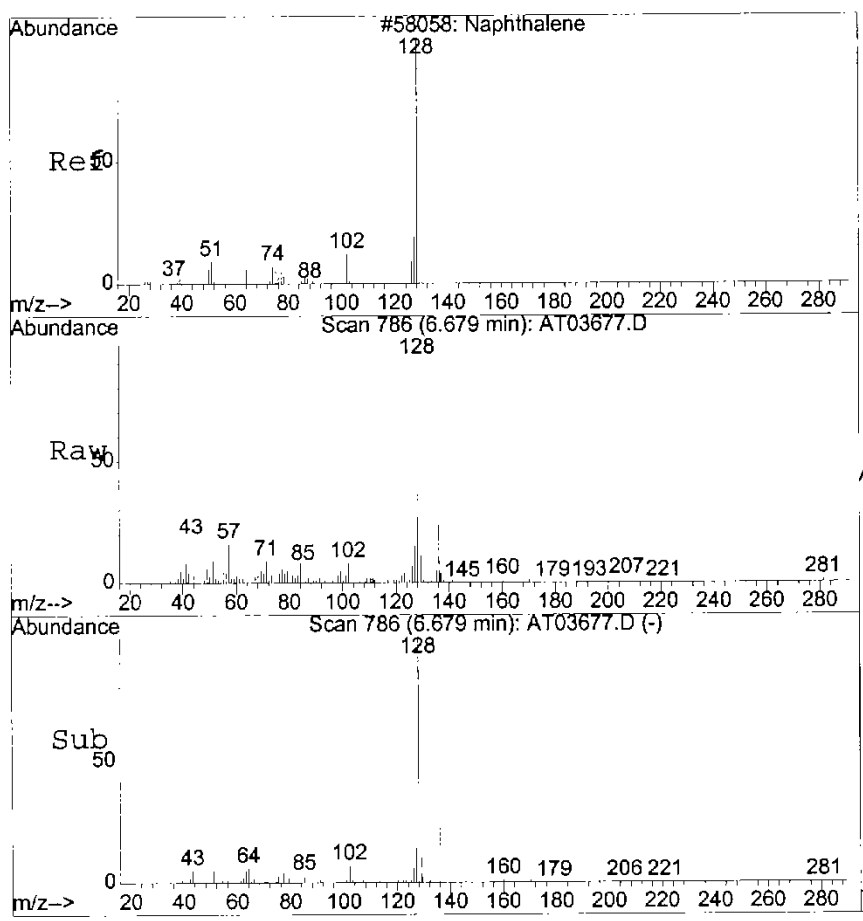


#32
1,2,4-Trichlorobenzene
Concen: 9.90 ug/L
RT: 6.61 min Scan# 774
Delta R.T. -0.01 min
Lab File: AT03677.D
Acq: 25 Feb 2005 3:27 pm

Tgt Ion:180 Resp: 2823

Ion	Ratio	Lower	Upper
180	100		
182	93.9	67.2	127.2
145	16.2	0.0	57.2

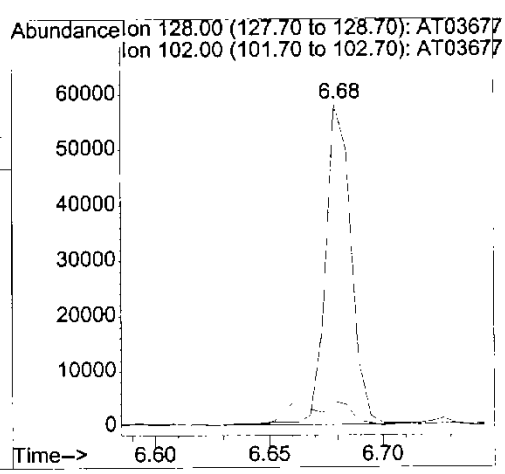


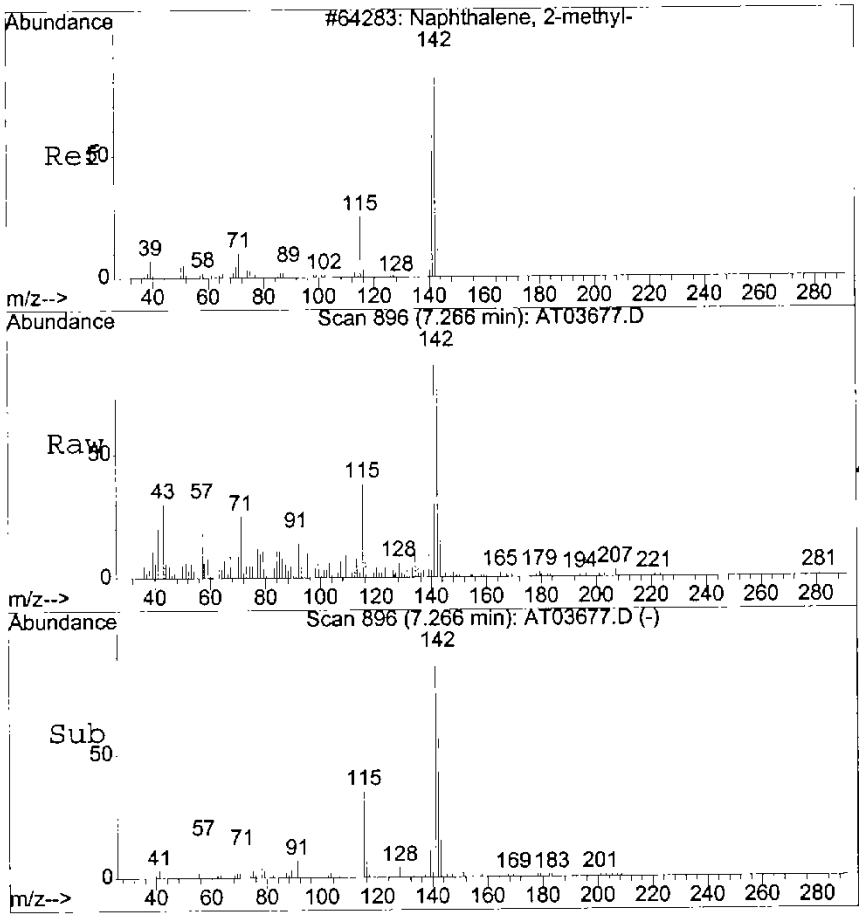


#33
Naphthalene
Concen: 53.50 ug/L
RT: 6.68 min Scan# 786
Delta R.T. -0.01 min
Lab File: AT03677.D
Acq: 25 Feb 2005 3:27 pm

Tgt Ion:128 Resp: 46017

Ion	Ratio	Lower	Upper
128	100		
102	7.3	0.0	37.8

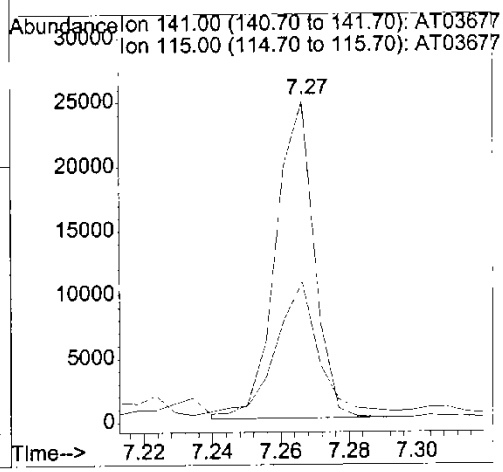


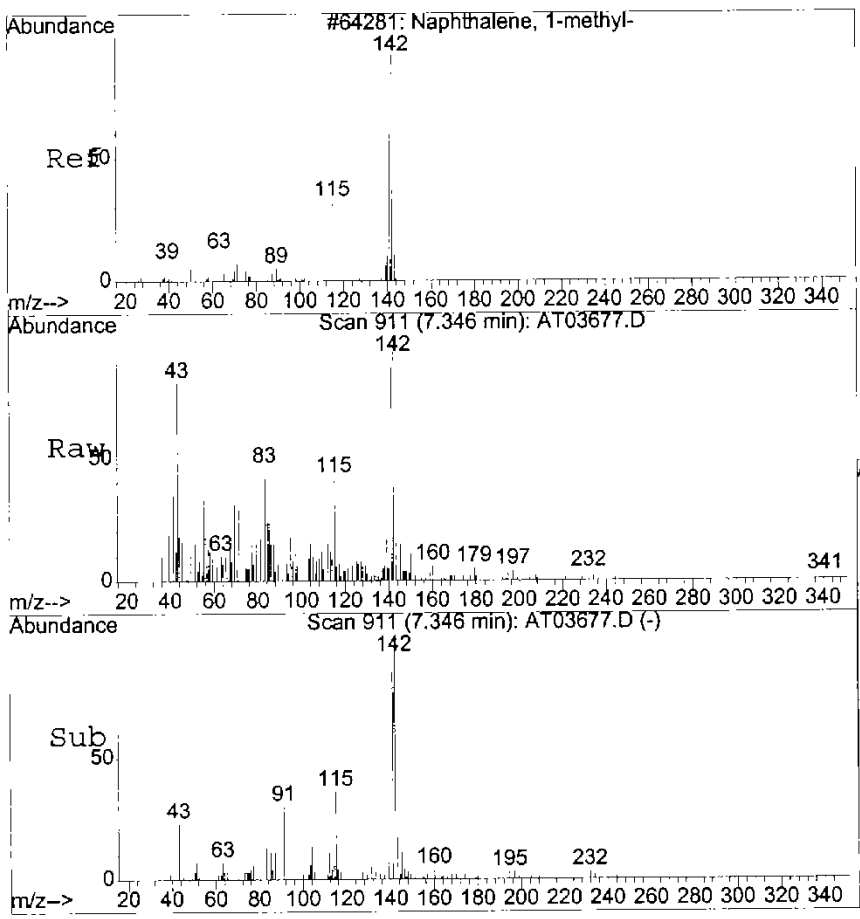


#37
2-Methylnaphthalene
Concen: 42.39 ug/L
RT: 7.27 min Scan# 896
Delta R.T. 0.01 min
Lab File: AT03677.D
Acq: 25 Feb 2005 3:27 pm

Tgt Ion:141 Resp: 19322

Ion	Ratio	Lower	Upper
141	100		
115	41.1	2.2	62.2

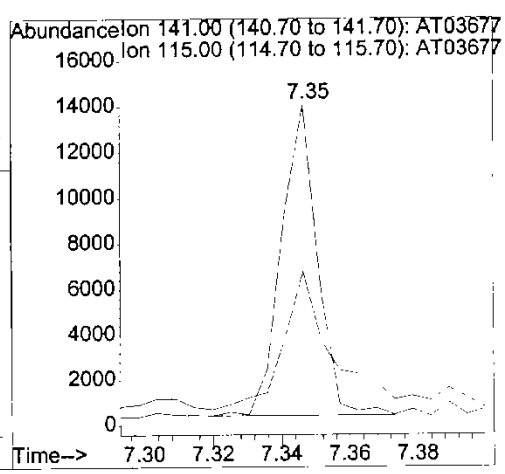


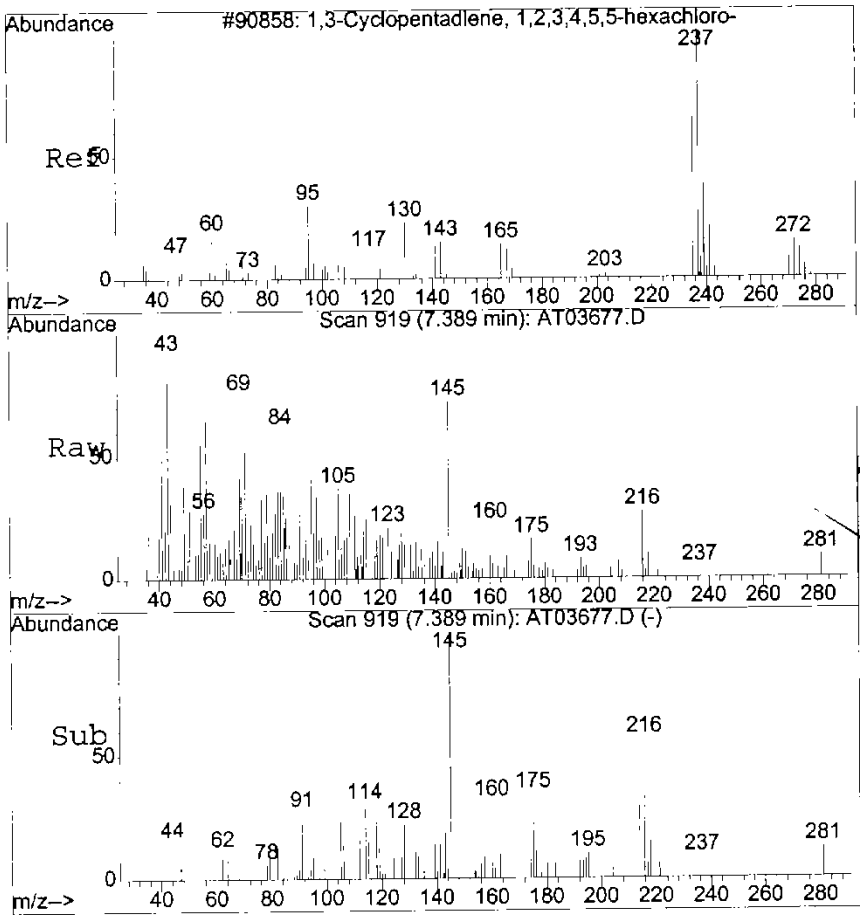


#38
1-Methylnaphthalene
Concen: 21.12 ul/l
RT: 7.35 min Scan# 911
Delta R.T. 0.00 min
Lab File: AT03677.D
Acq: 25 Feb 2005 3:27 pm

Tgt Ion:141 Resp: 10030

Ion	Ratio	Lower	Upper
141	100		
115	43.1	2.6	62.6

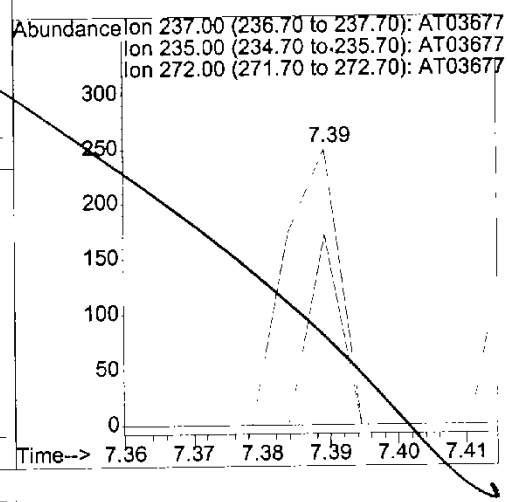


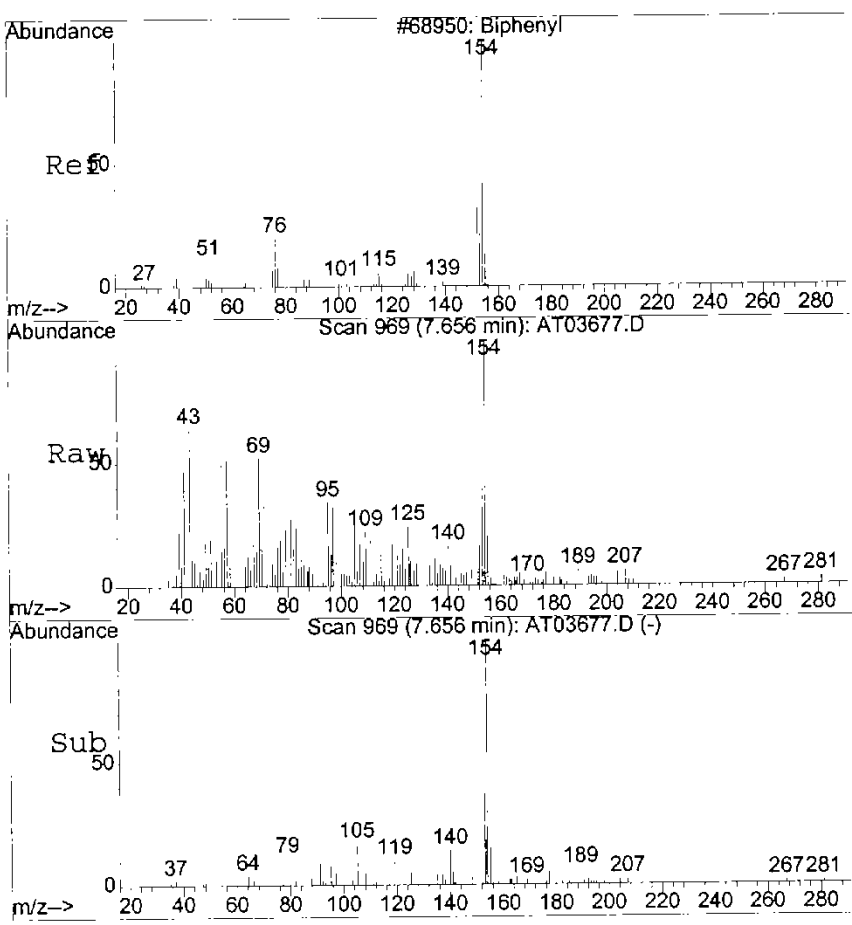


#40
Hexachlorocyclopentadiene
Concen: 29.44 ug/L
RT: 7.39 min Scan# 919
Delta R.T. -0.02 min
Lab File: AT03677.D
Acq: 25 Feb 2005 3:27 pm

Tgt Ion:237 Resp: 136

Ion	Ratio	Lower	Upper
237	100		
235	68.4	32.2	92.2
272	0.0	0.0	44.7

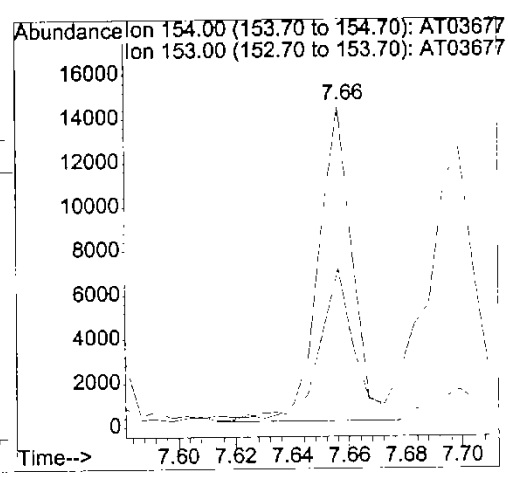


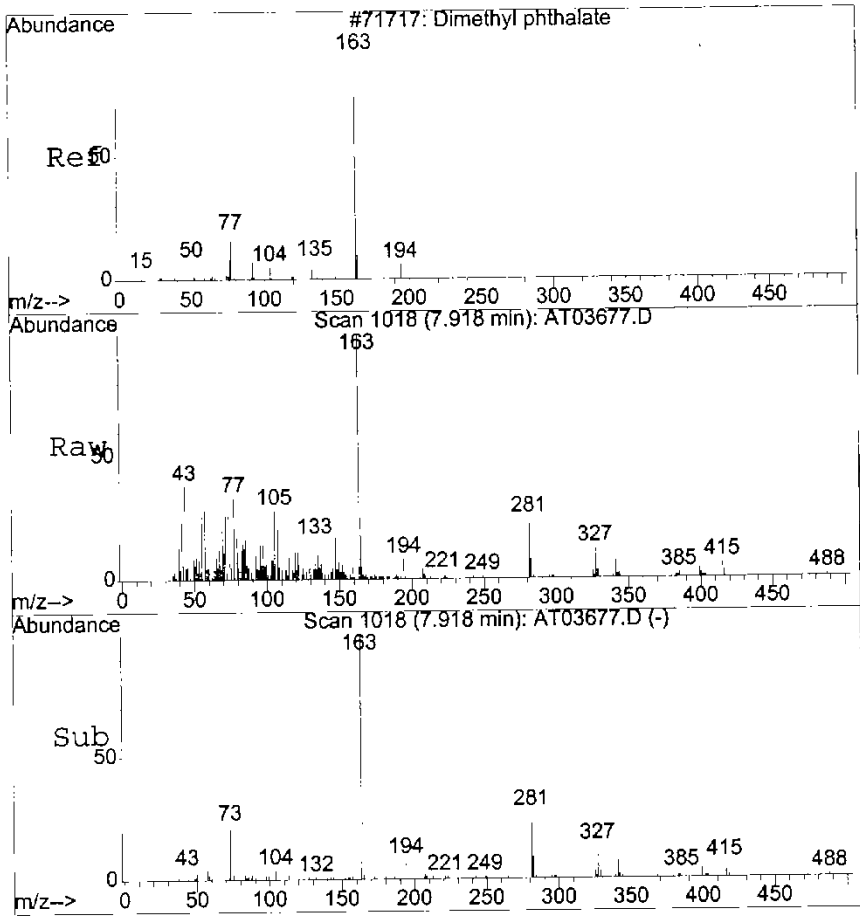


#46
Biphenyl
Concen: 17.86 ul/L
RT: 7.66 min Scan# 969
Delta R.T. -0.01 min
Lab File: AT03677.D
Acq: 25 Feb 2005 3:27 pm

Tgt Ion:154 Resp: 11809

Ion	Ratio	Lower	Upper
154	100		
153	45.3	9.4	69.4

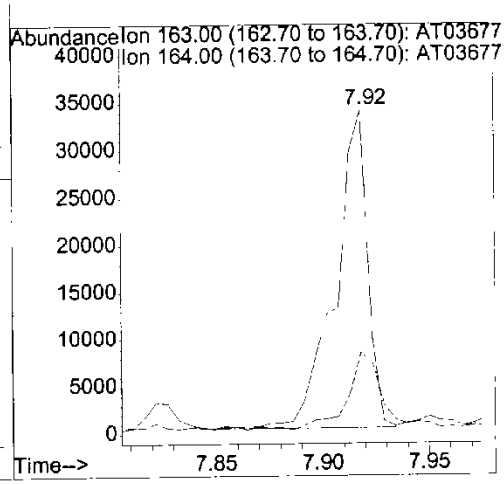


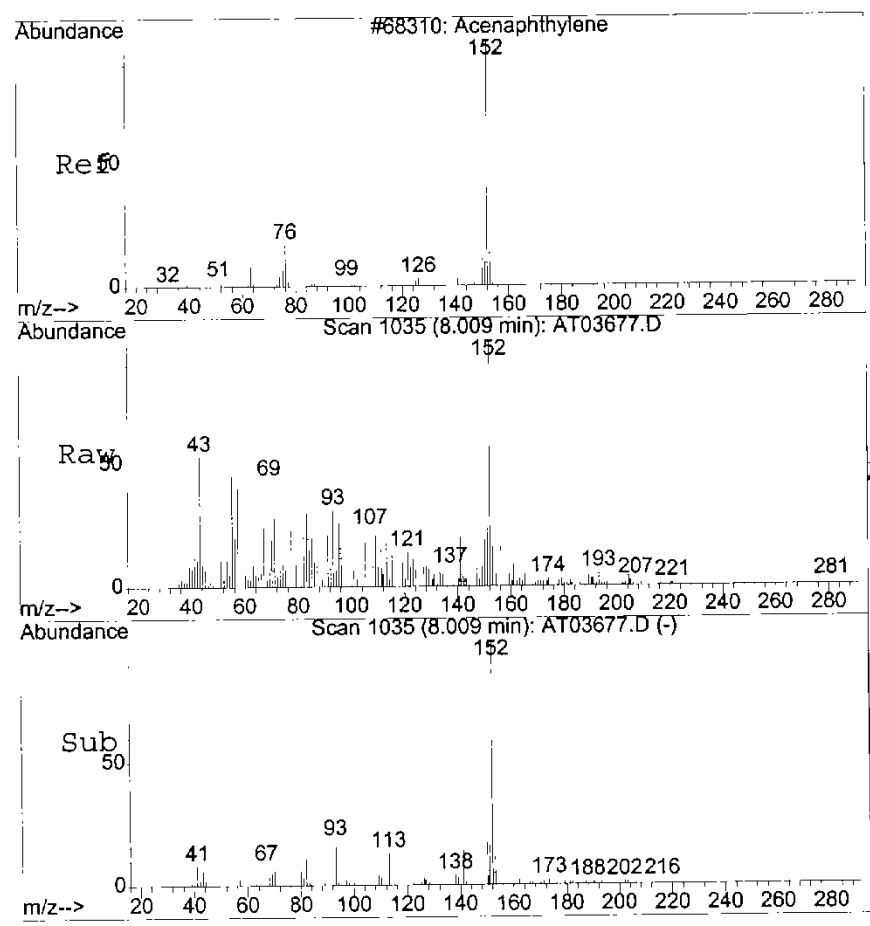


#48
Dimethylphthalate
Concen: 64.12 ug/L
RT: 7.92 min Scan# 1018
Delta R.T. -0.00 min
Lab File: AT03677.D
Acq: 25 Feb 2005 3:27 pm

Tgt Ion:163 Resp: 35524

Ion	Ratio	Lower	Upper
163	100		
164	22.5	0.0	40.0

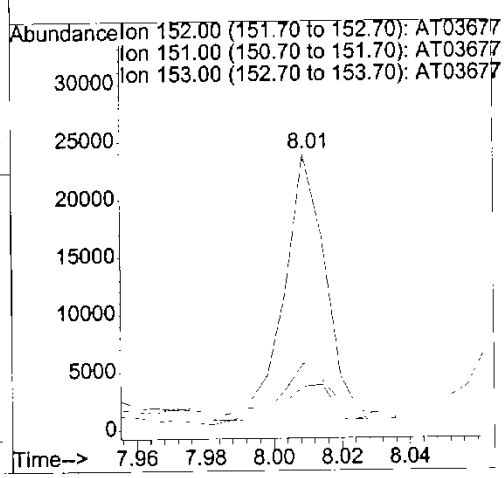


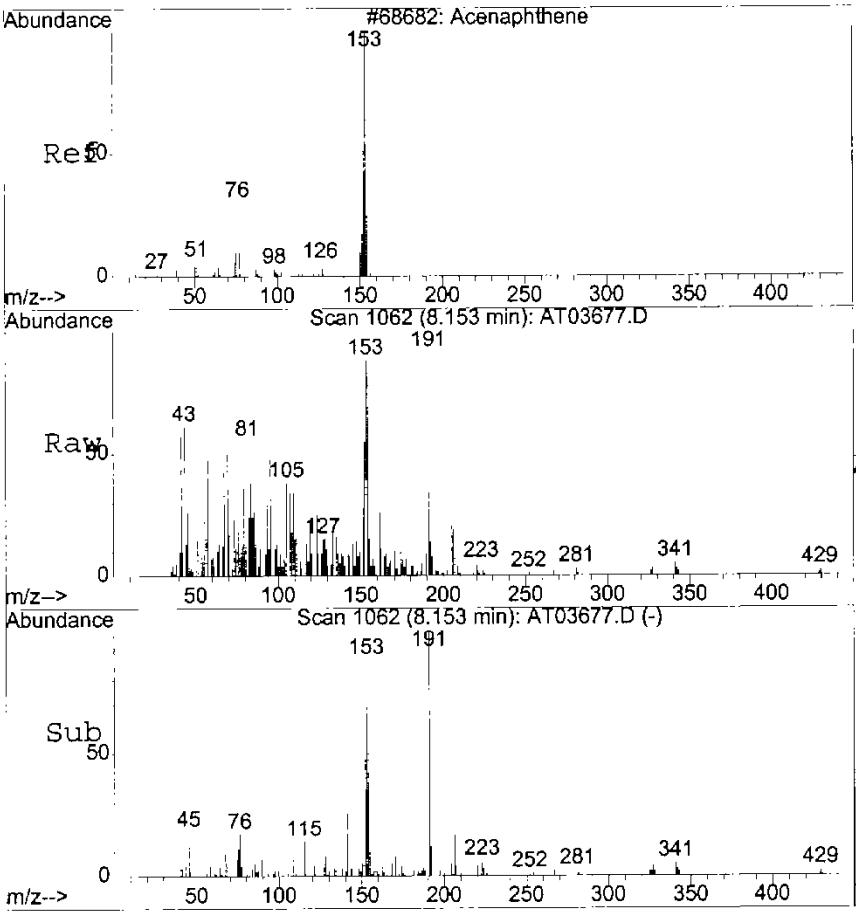


#49
Acenaphthylene
Concen: 24.16 ug/L
RT: 8.01 min Scan# 1035
Delta R.T. -0.01 min
Lab File: AT03677.D
Acq: 25 Feb 2005 3:27 pm

Tgt Ion:152 Resp: 19656

Ion	Ratio	Lower	Upper
152	100		
151	17.2	0.0	49.4
153	13.5	0.0	43.0

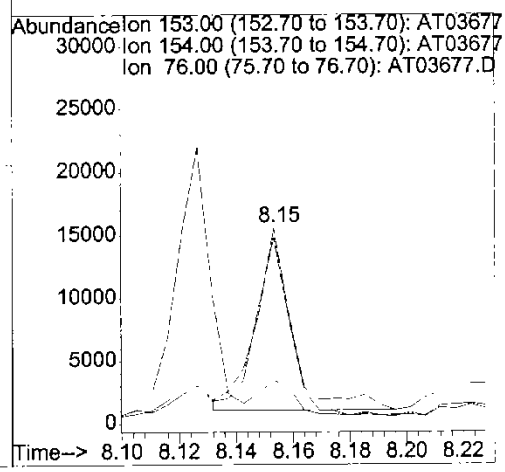


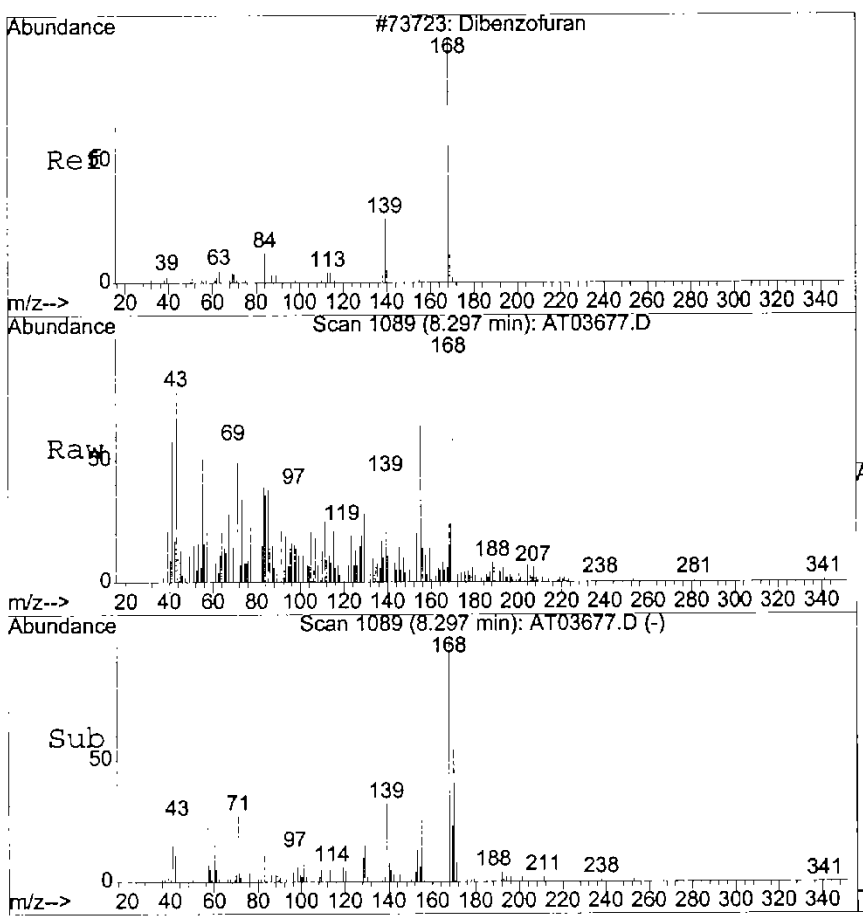


#52
Acenaphthene
Concen: 24.17 ug/L
RT: 8.15 min Scan# 1062
Delta R.T. -0.01 min
Lab File: AT03677.D
Acq: 25 Feb 2005 3:27 pm

Tgt Ion:153 Resp: 12943

Ion	Ratio	Lower	Upper
153	100		
154	96.4	53.5	113.5
76	0.0	0.0	50.2

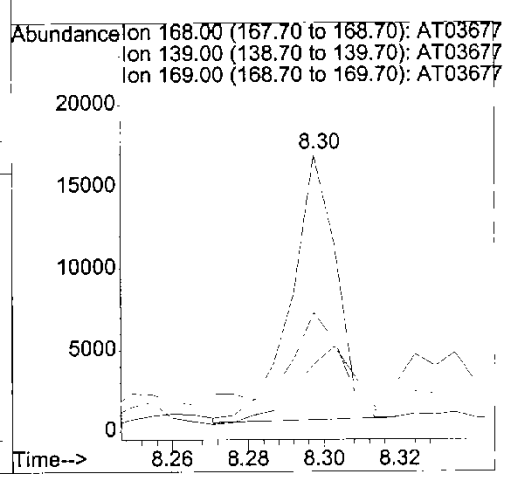


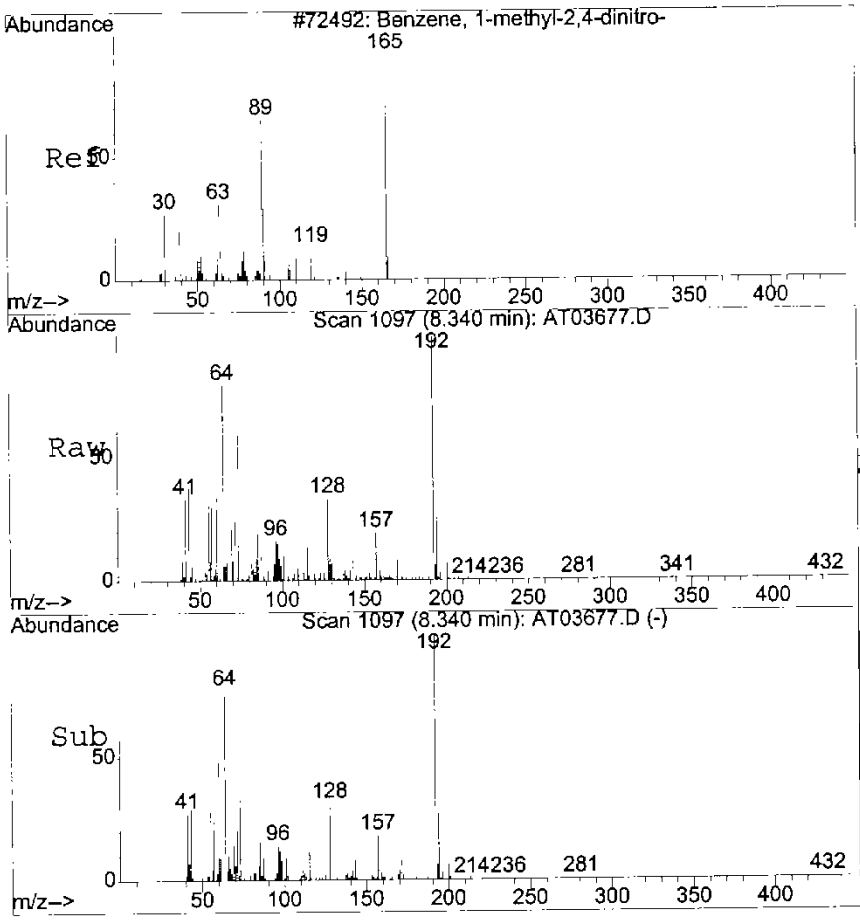


#55
Dibenzofuran
Concen: 18.75 ug/L
RT: 8.30 min Scan# 1089
Delta R.T. -0.00 min
Lab File: AT03677.D
Acq: 25 Feb 2005 3:27 pm

Tgt Ion:168 Resp: 13450

Ion	Ratio	Lower	Upper
168	100		
139	32.3	0.6	60.6
169	15.4	0.0	42.8

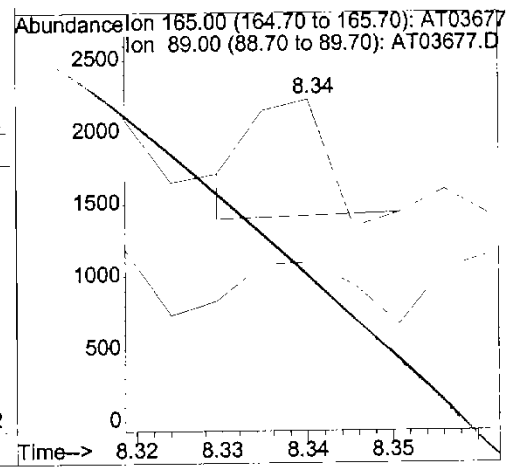


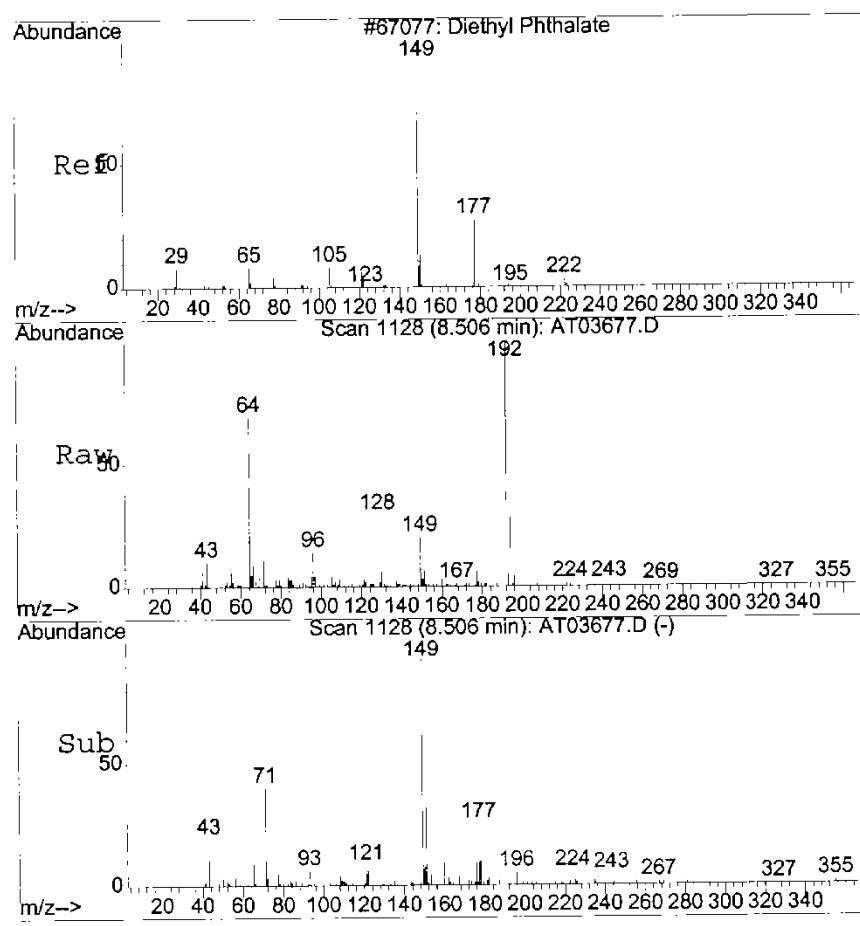


#56
2,4-Dinitrotoluene
Concen: 33.87 ug/L
RT: 8.34 min Scan# 1097
Delta R.T. 0.04 min
Lab File: AT03677.D
Acq: 25 Feb 2005 3:27 pm

Tgt Ion:165 Resp: 475

Ion	Ratio	Lower	Upper
165	100		
89	52.9	22.1	82.1

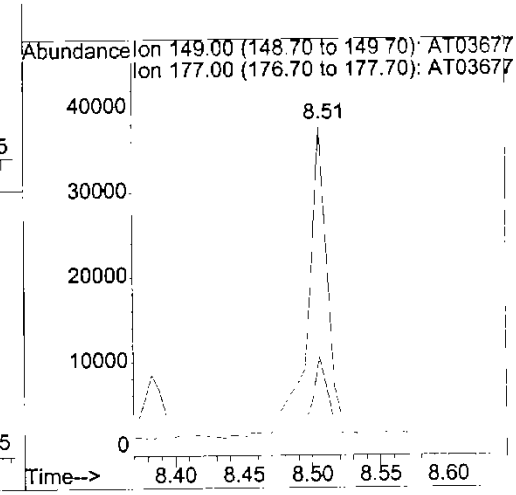


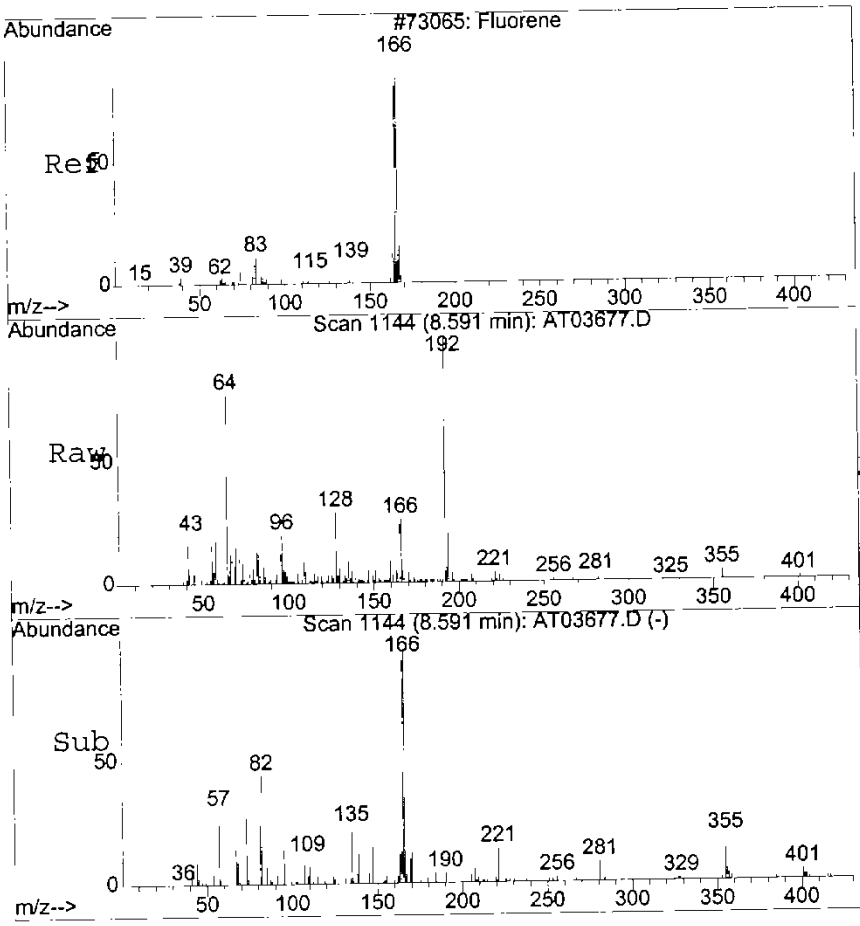


#59
Diethylphthalate
Concen: 66.89 ug/L
RT: 8.51 min Scan# 1128
Delta R.T. -0.00 min
Lab File: AT03677.D
Acq: 25 Feb 2005 3:27 pm

Tgt Ion:149 Resp: 39196

Ion	Ratio	Lower	Upper
149	100		
177	26.0	0.0	53.1

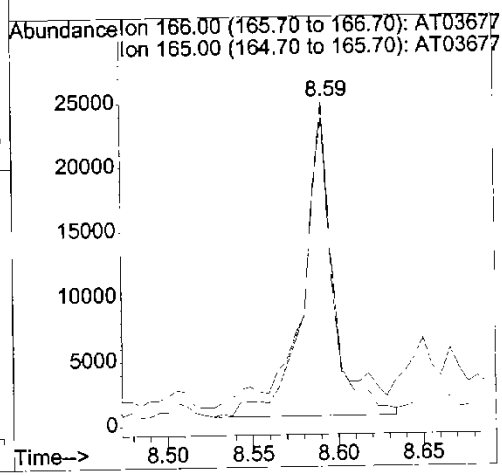


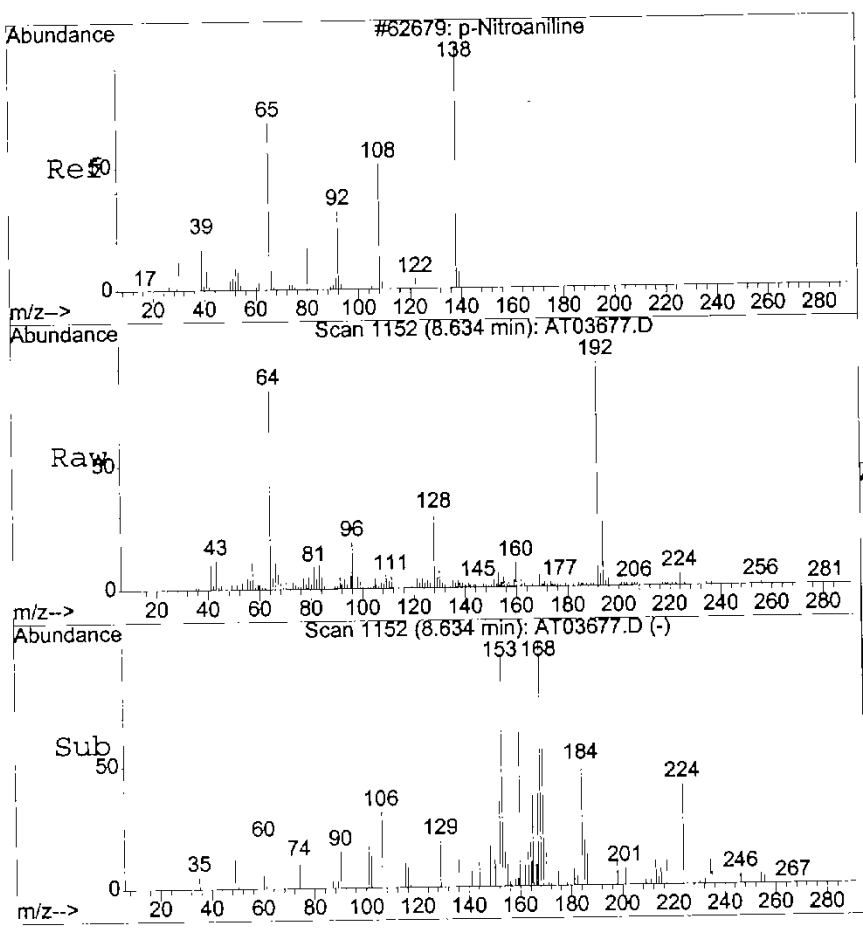


#60
Fluorene
Concen: 51.75 ug/L
RT: 8.59 min Scan# 1144
Delta R.T. -0.01 min
Lab File: AT03677.D
Acq: 25 Feb 2005 3:27 pm

Tgt Ion:166 Resp: 28565

Ion	Ratio	Lower	Upper
166	100		
165	88.8	65.1	125.1

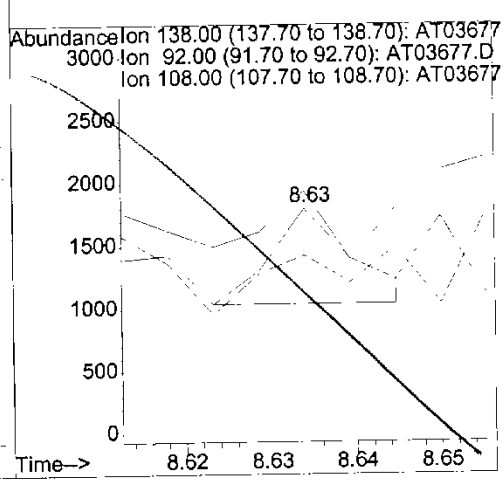


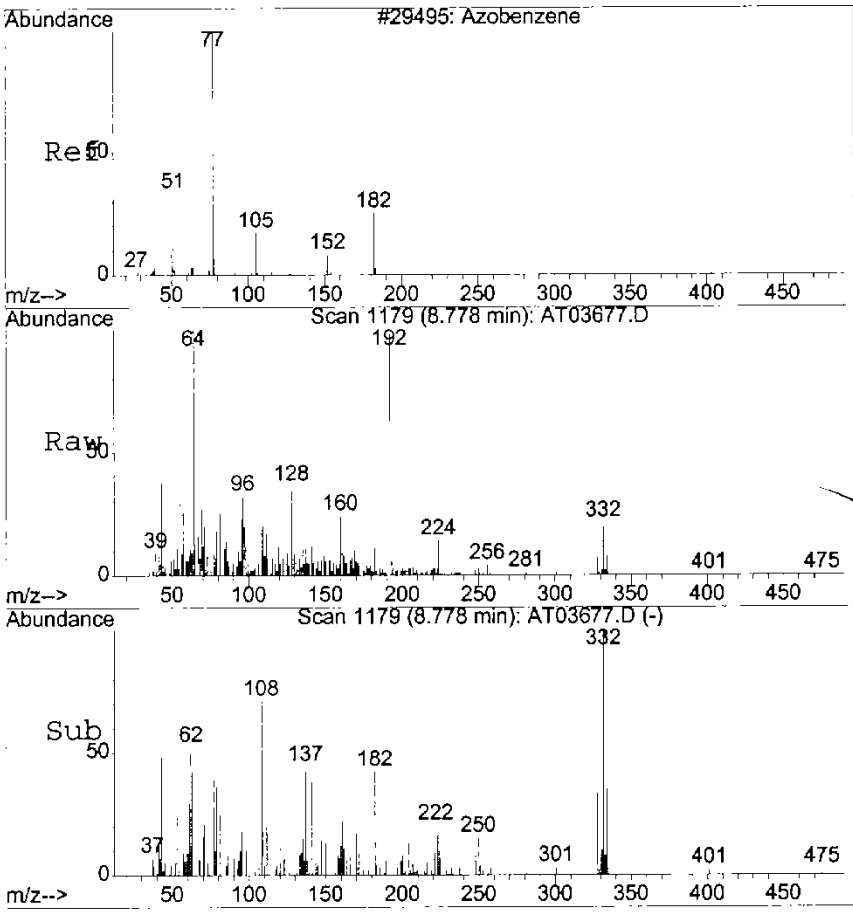


#62
4-Nitroaniline
Concen: 6.37 ug/L
RT: 8.63 min Scan# 1152
Delta R.T. 0.01 min
Lab File: AT03677.D
Acq: 25 Feb 2005 3:27 pm

Tgt Ion:138 Resp: 503

Ion	Ratio	Lower	Upper
138	100		
92	31.0	11.1	71.1
108	44.1	21.9	81.9

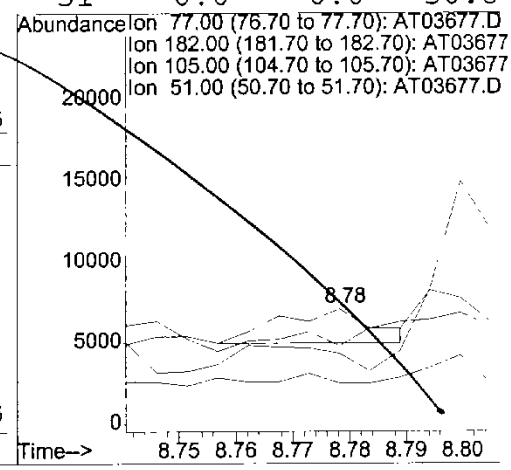


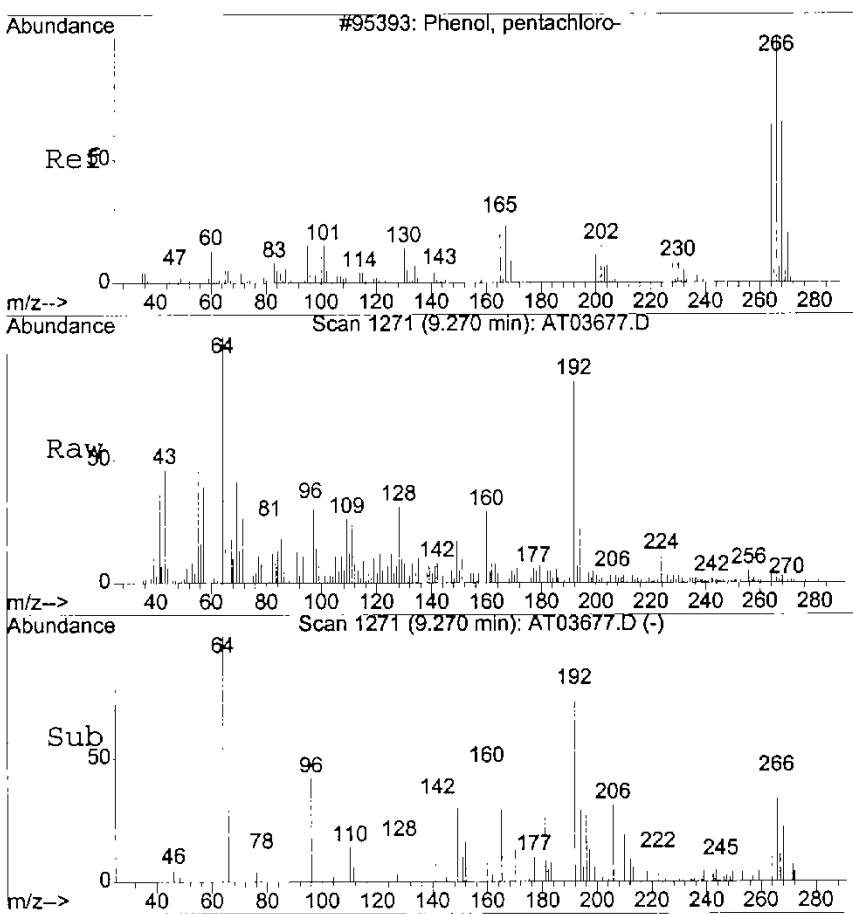


#67
Azobenzene
Concen: 5.46 ug/L
RT: 8.78 min Scan# 1179
Delta R.T. 0.04 min
Lab File: AT03677.D
Acq: 25 Feb 2005 3:27 pm

Tgt Ion: 77 Resp: 2432

Ion	Ratio	Lower	Upper
77	100		
182	15.7	8.3	68.3
105	0.0	0.0	50.6
51	0.0	0.0	50.8

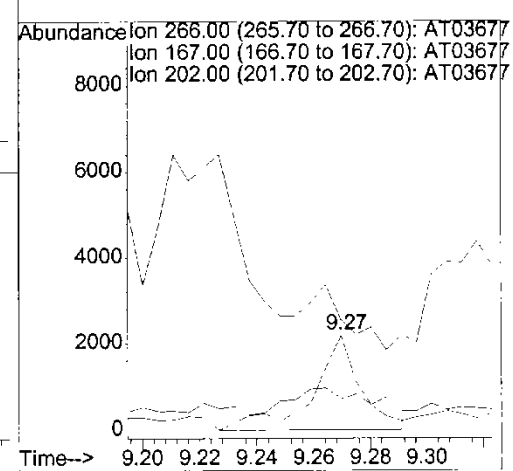


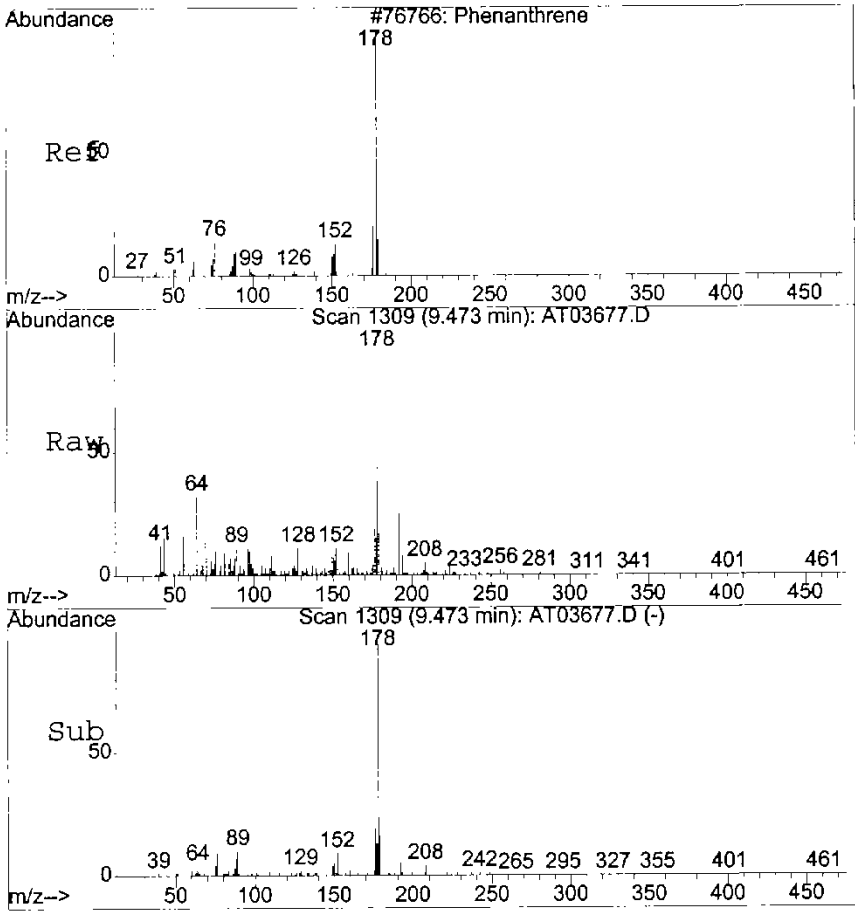


#70
Pentachlorophenol
Concen: 25.67 ug/L
RT: 9.27 min Scan# 1271
Delta R.T. -0.00 min
Lab File: AT03677.D
Acq: 25 Feb 2005 3:27 pm

Tgt Ion:266 Resp: 2537

Ion	Ratio	Lower	Upper
266	100		
167	0.0	0.0	59.5
202	12.3	0.0	48.3

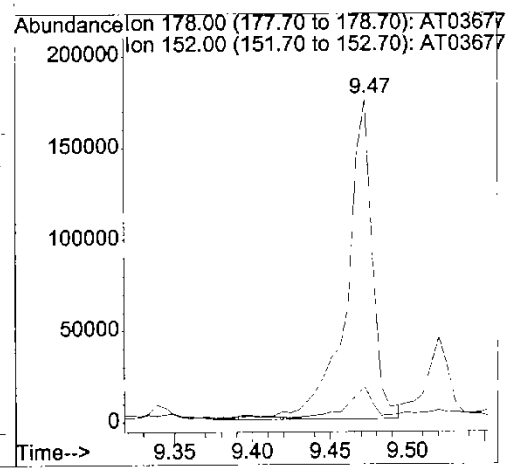


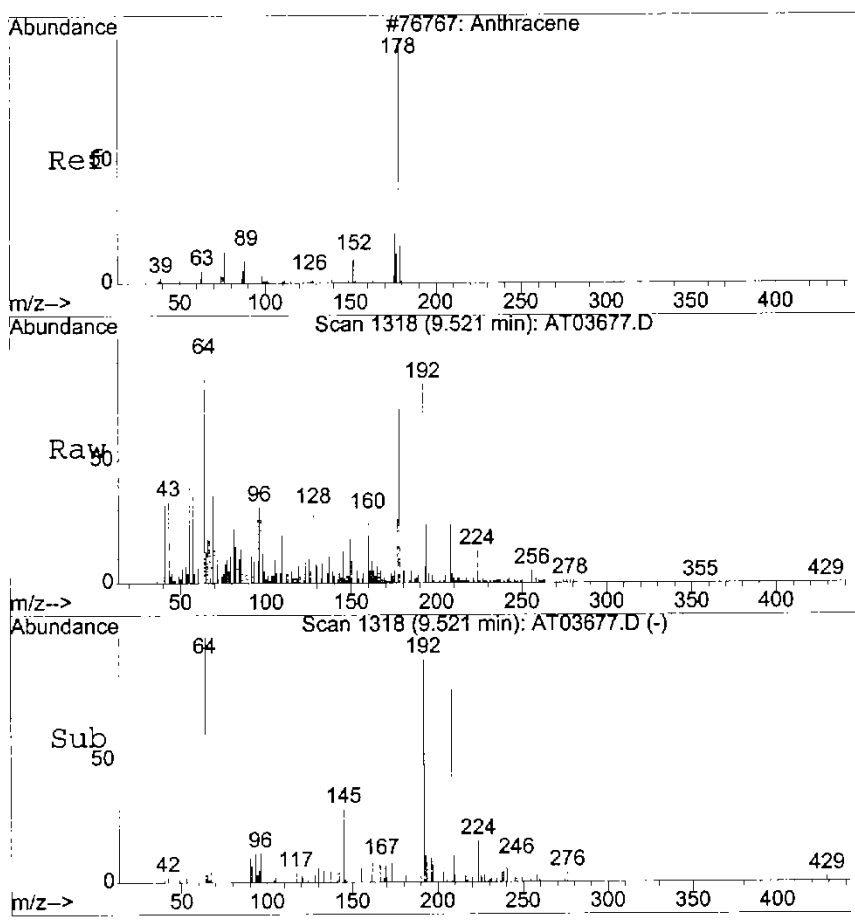


#71
Phenanthrene
Concen: 229.11 ug/L
RT: 9.47 min Scan# 1309
Delta R.T. 0.00 min
Lab File: AT03677.D
Acq: 25 Feb 2005 3:27 pm

Tgt Ion:178 Resp: 204656

Ion	Ratio	Lower	Upper
178	100		
152	9.2	0.0	39.1

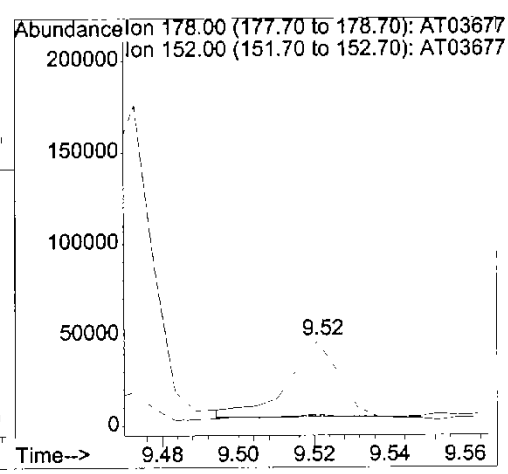


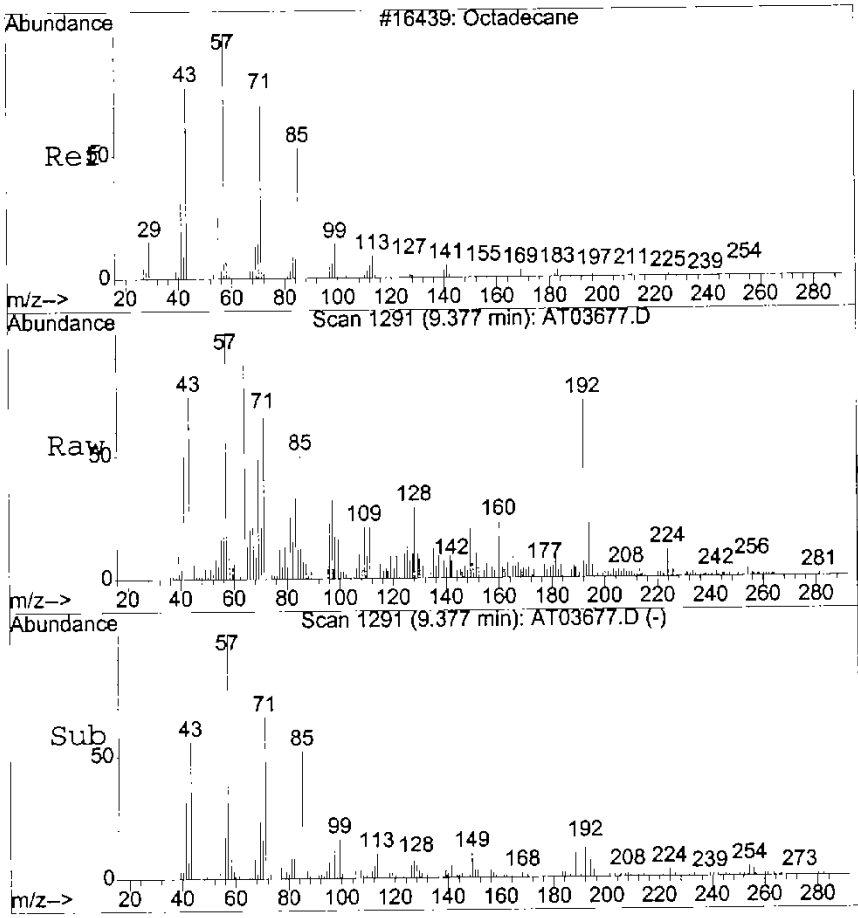


#72
Anthracene
Concen: 46.82 ug/L
RT: 9.52 min Scan# 1318
Delta R.T. 0.00 min
Lab File: AT03677.D
Acq: 25 Feb 2005 3:27 pm

Tgt Ion:178 Resp: 37929

Ion	Ratio	Lower	Upper
178	100		
152	5.3	0.0	37.3

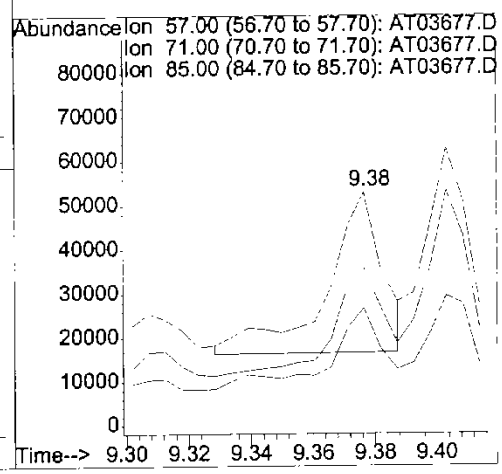


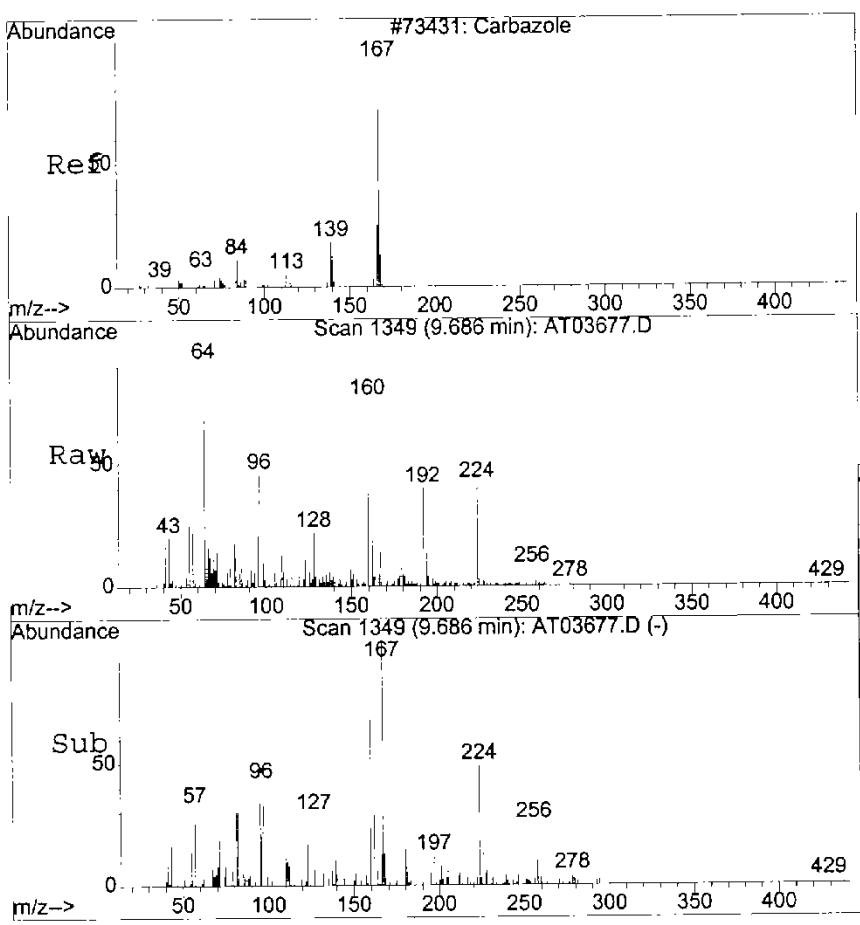


#73
Octadecane
Concen: 177.57 ul/L
RT: 9.38 min Scan# 1291
Delta R.T. 0.00 min
Lab File: AT03677.D
Acq: 25 Feb 2005 3:27 pm

Tgt Ion: 57 Resp: 46032

Ion	Ratio	Lower	Upper
57	100		
71	66.6	52.7	97.9
85	46.5	37.5	69.7

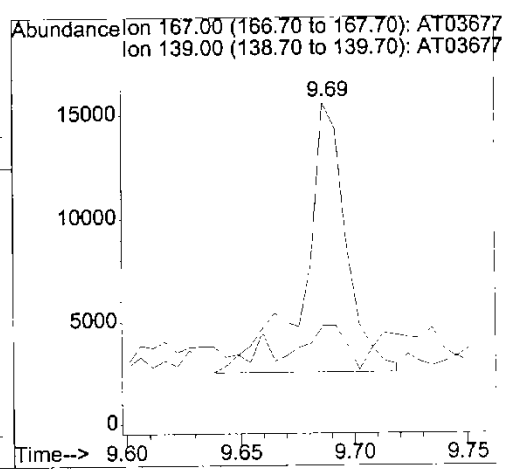


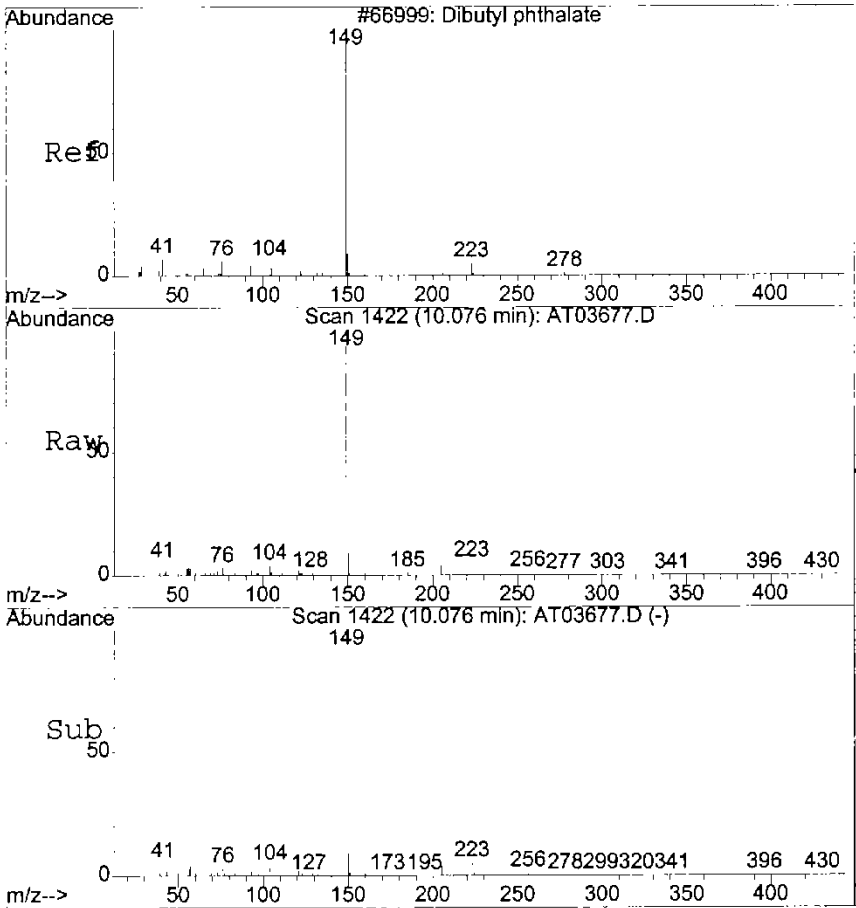


#74
Carbazole
Concen: 30.90 ug/L
RT: 9.69 min Scan# 1349
Delta R.T. -0.01 min
Lab File: AT03677.D
Acq: 25 Feb 2005 3:27 pm

Tgt Ion:167 Resp: 16947

Ion	Ratio	Lower	Upper
167	100		
139	5.8	0.0	41.5

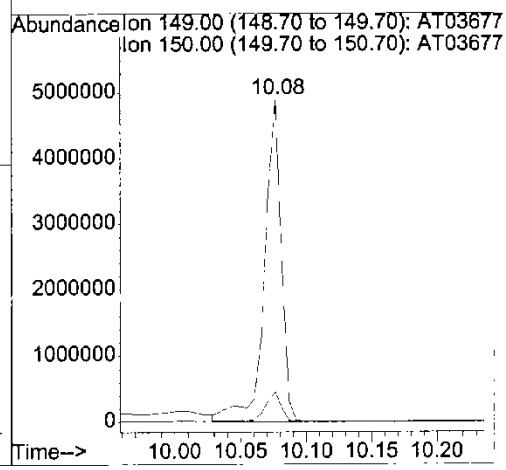


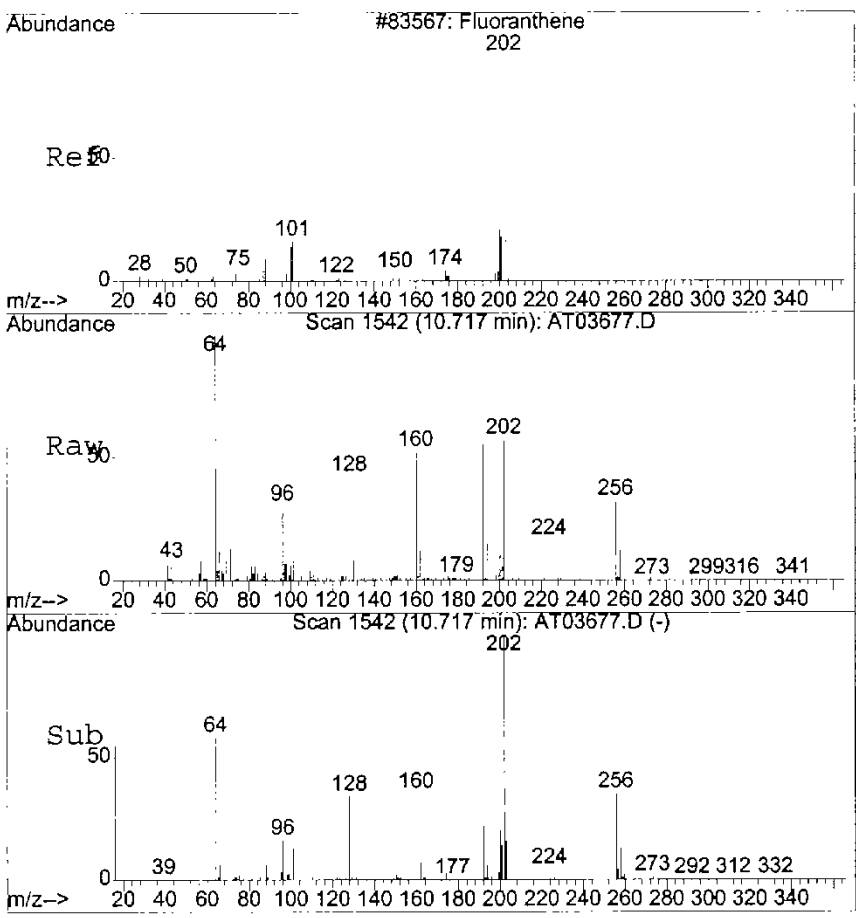


#75
Di-n-butylphthalate
Concen: 4532.53 ug/L
RT: 10.08 min Scan# 1422
Delta R.T. 0.01 min
Lab File: AT03677.D
Acq: 25 Feb 2005 3:27 pm

Tgt Ion:149 Resp: 4352128

Ion	Ratio	Lower	Upper
149	100		
150	9.2	0.0	39.0

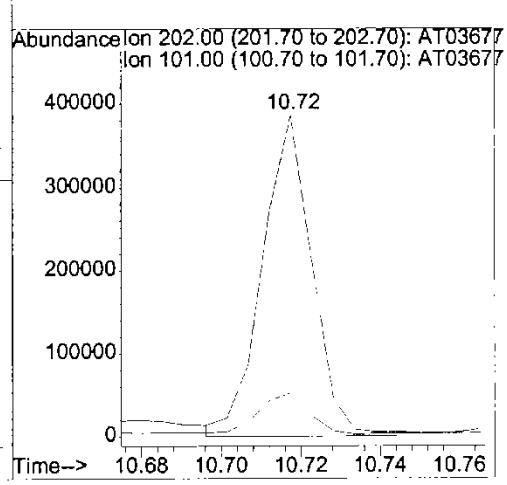


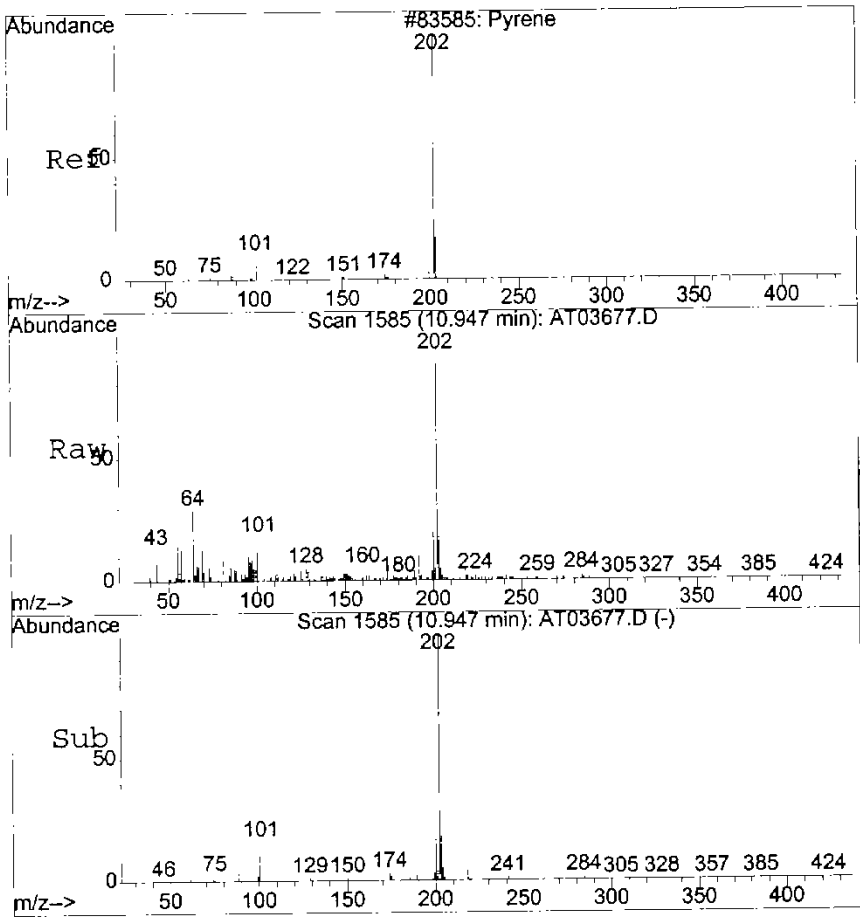


#76
Fluoranthene
Concen: 366.54 ug/L m
RT: 10.72 min Scan# 1542
Delta R.T. 0.02 min
Lab File: AT03677.D
Acq: 25 Feb 2005 3:27 pm

Tgt Ion:202 Resp: 334169

Ion	Ratio	Lower	Upper
202	100		
101	13.5	0.0	43.7

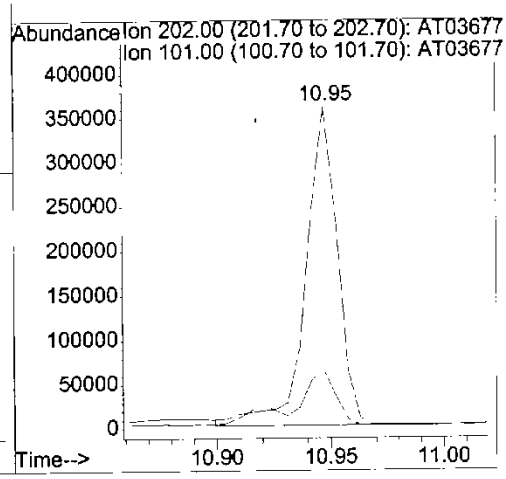


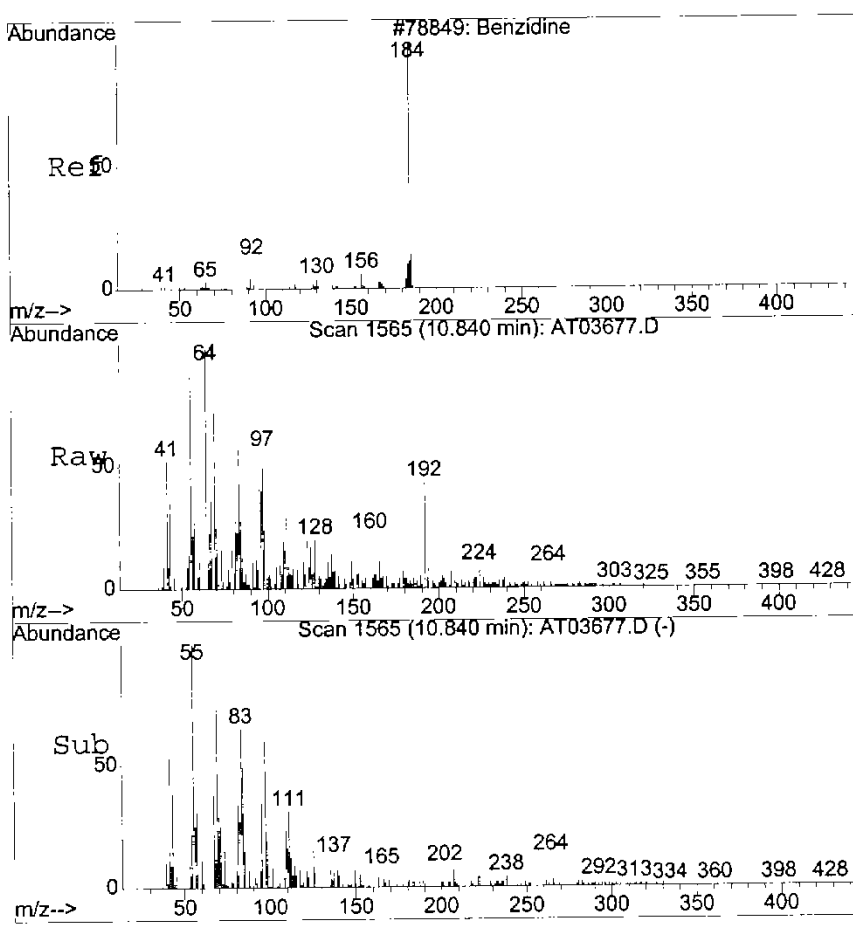


#77
Pyrene
Concen: 367.87 ug/L
RT: 10.95 min Scan# 1585
Delta R.T. 0.00 min
Lab File: AT03677.D
Acq: 25 Feb 2005 3:27 pm

Tgt Ion:202 Resp: 347871

Ion	Ratio	Lower	Upper
202	100		
101	17.1	0.0	45.3

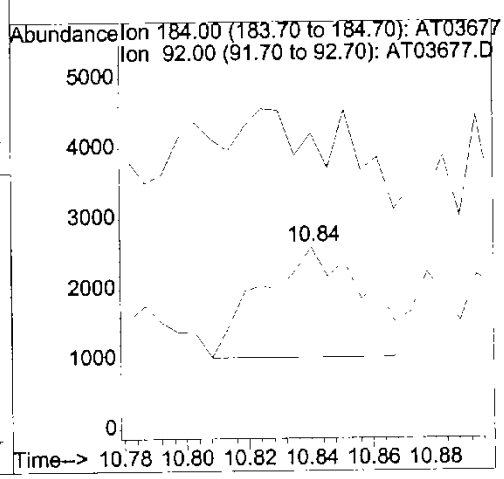


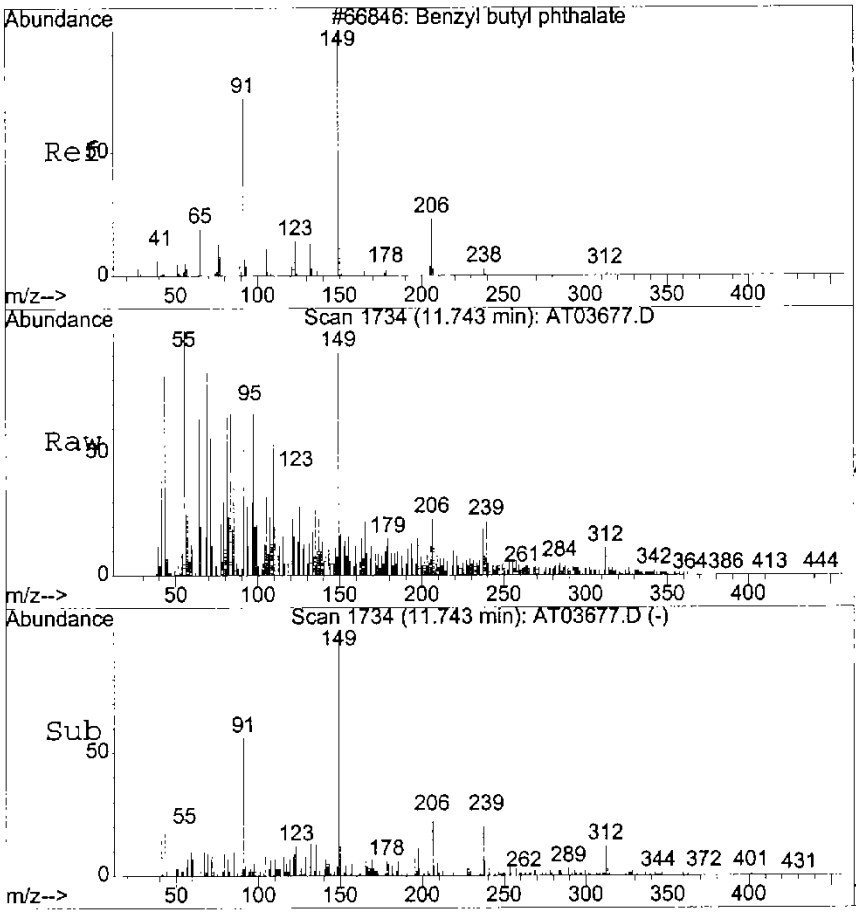


#78
Benzidine
Concen: 27.33 ul/l
RT: 10.84 min Scan# 1565
Delta R.T. -0.04 min
Lab File: AT03677.D
Acq: 25 Feb 2005 3:27 pm

Tgt Ion:184 Resp: 3543

Ion	Ratio	Lower	Upper
184	100		
92	30.5	0.0	38.7

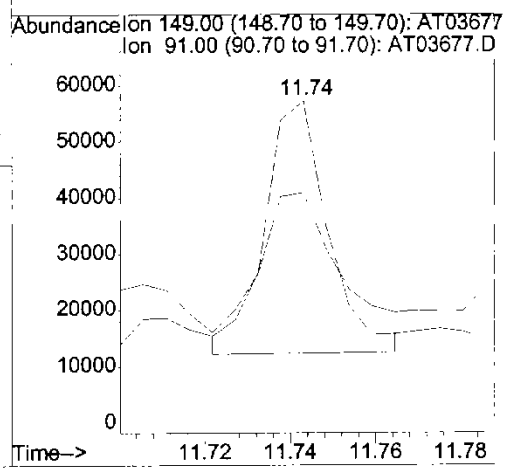


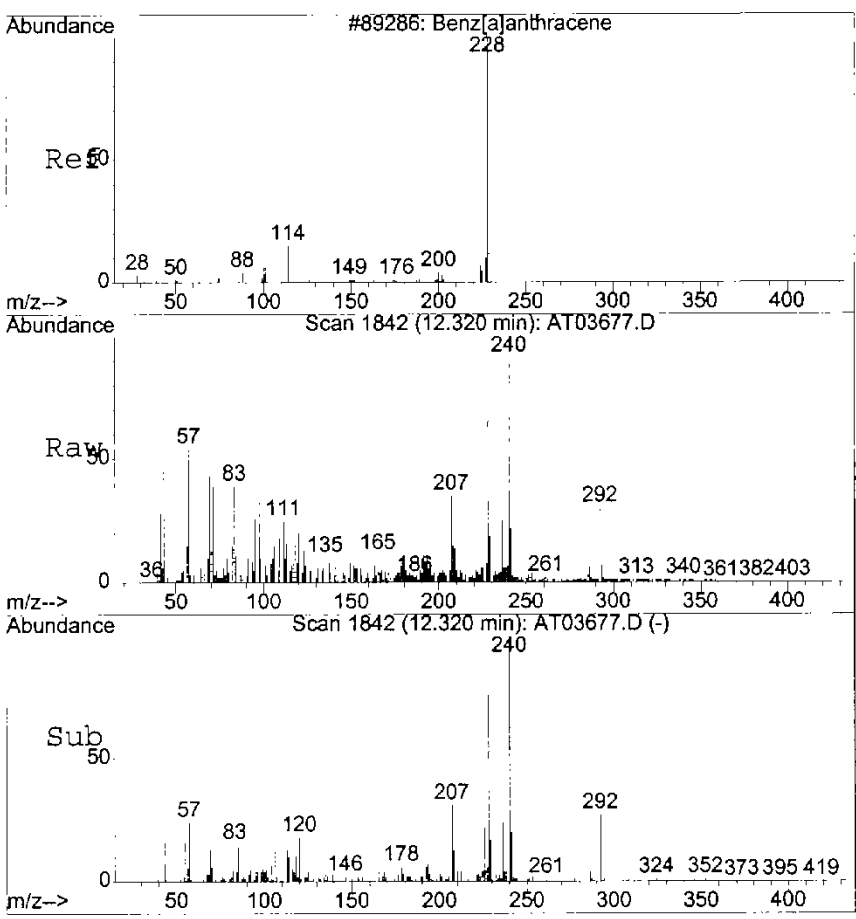


#81
Butylbenzylphthalate
Concen: 181.98 ug/L
RT: 11.74 min Scan# 1734
Delta R.T. 0.01 min
Lab File: AT03677.D
Acq: 25 Feb 2005 3:27 pm

Tgt Ion:149 Resp: 46241

Ion	Ratio	Lower	Upper
149	100		
91	55.7	30.6	90.6

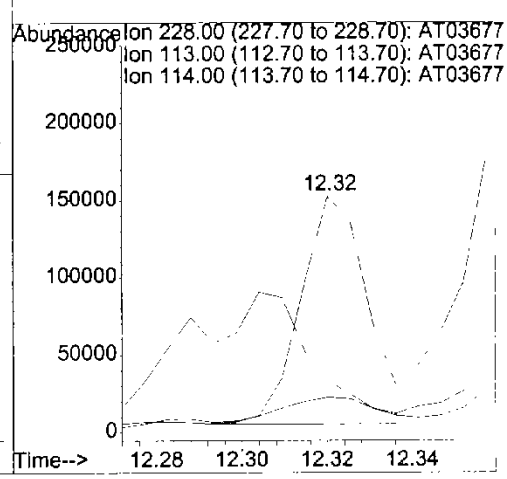


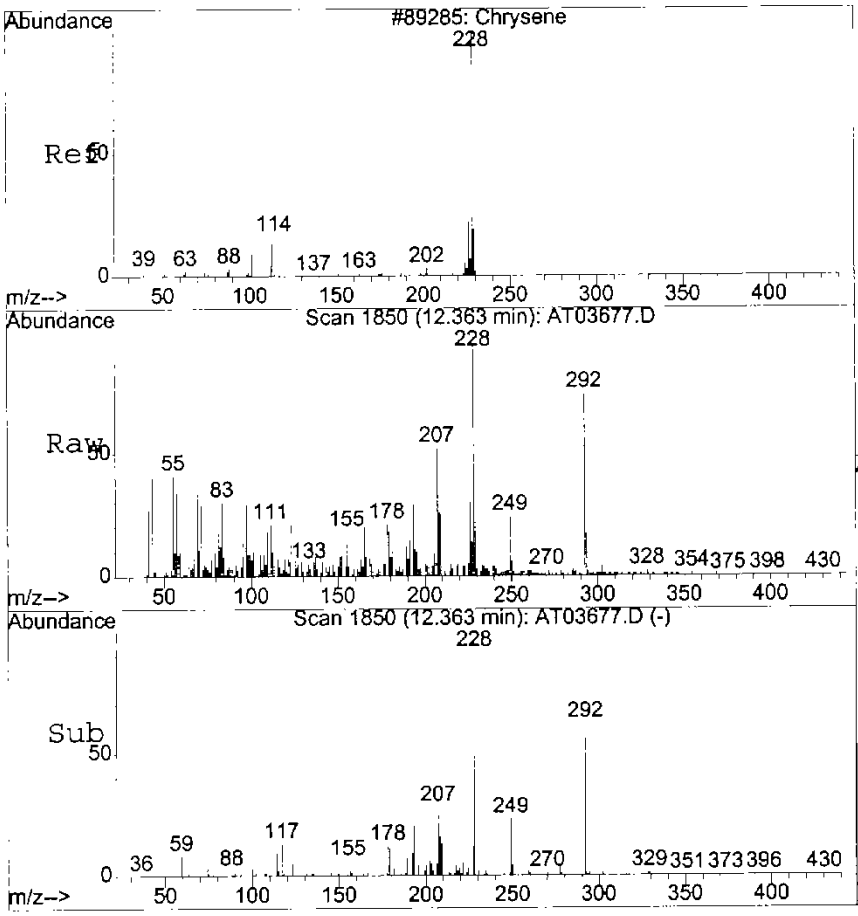


#82
Benzo(a)anthracene
Concen: 193.63 ug/L
RT: 12.32 min Scan# 1842
Delta R.T. 0.00 min
Lab File: AT03677.D
Acq: 25 Feb 2005 3:27 pm

Tgt Ion:228 Resp: 159060

Ion	Ratio	Lower	Upper
228	100		
113	0.0	0.0	41.9
114	10.2	0.0	43.6

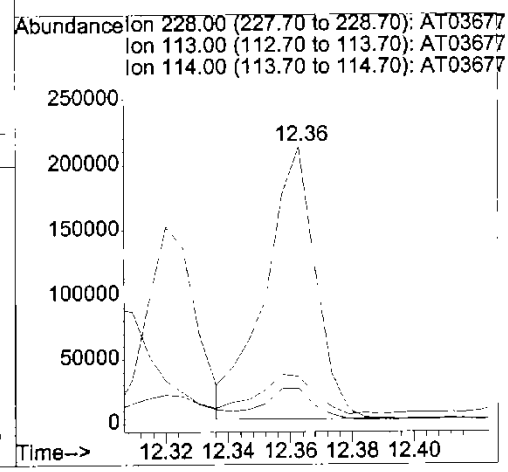


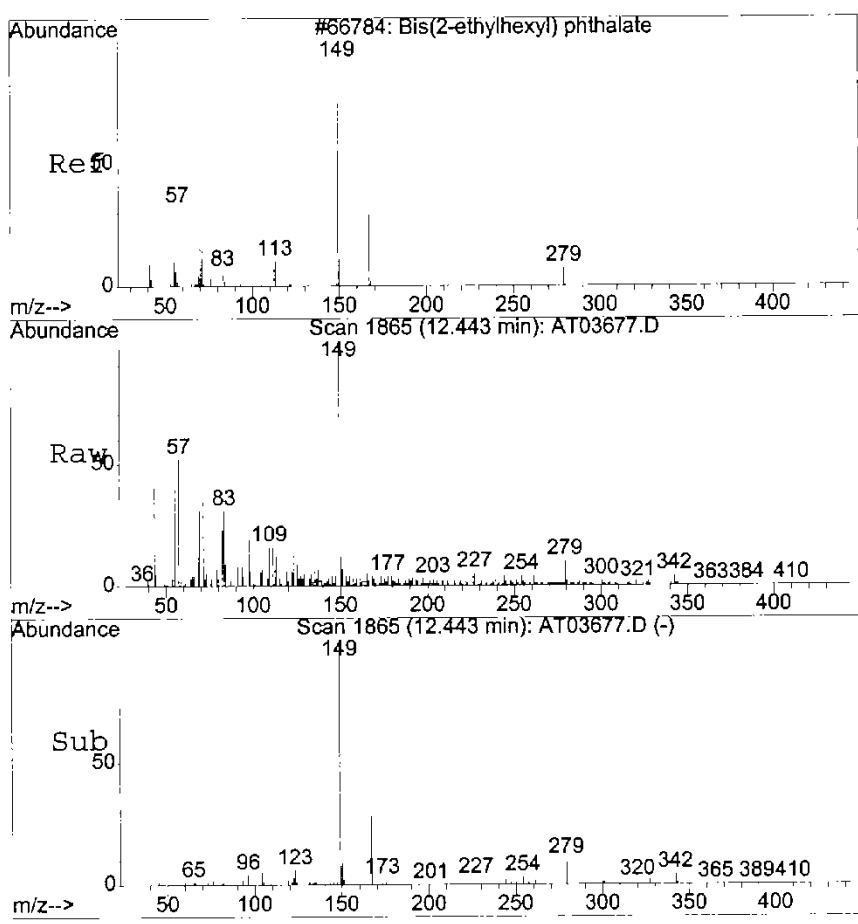


#84
Chrysene
Concen: 276.21 ug/L
RT: 12.36 min Scan# 1850
Delta R.T. 0.00 min
Lab File: AT03677.D
Acq: 25 Feb 2005 3:27 pm

Tgt Ion:228 Resp: 236499

Ion	Ratio	Lower	Upper
228	100		
113	13.3	0.0	41.9
114	10.2	0.0	40.2

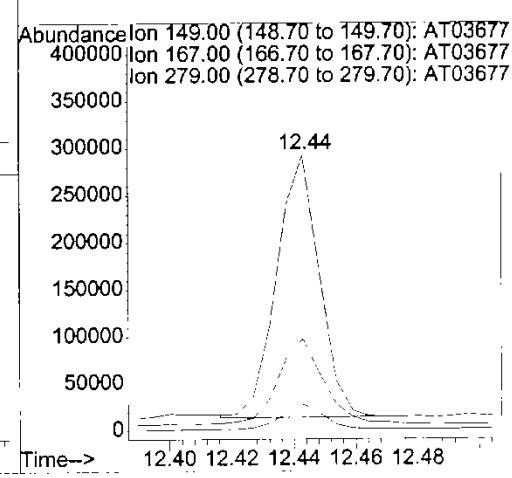


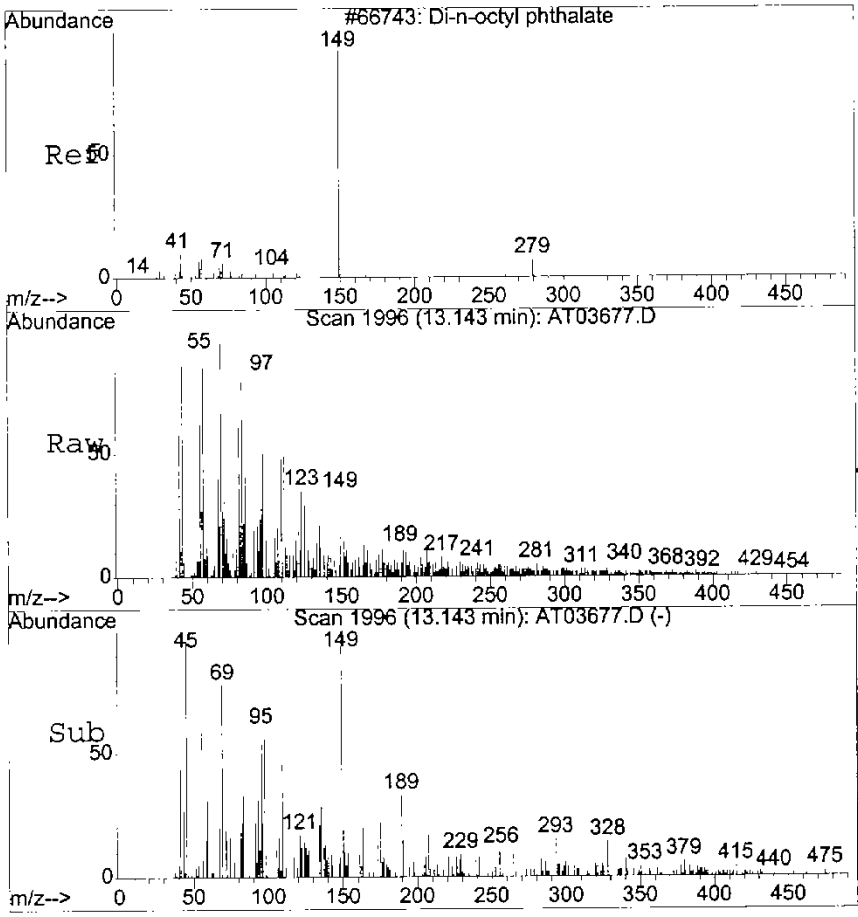


#85
bis(2-Ethylhexyl)phthalate
Concen: 500.09 ug/L
RT: 12.44 min Scan# 1865
Delta R.T. 0.01 min
Lab File: AT03677.D
Acq: 25 Feb 2005 3:27 pm

Tgt Ion:149 Resp: 265324

Ion	Ratio	Lower	Upper
149	100		
167	32.6	2.4	62.4
279	9.6	0.0	39.0

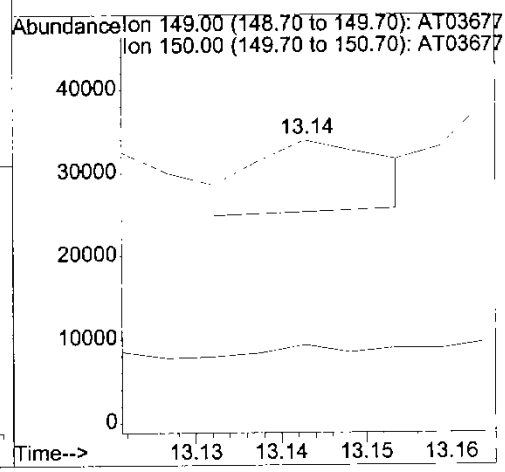


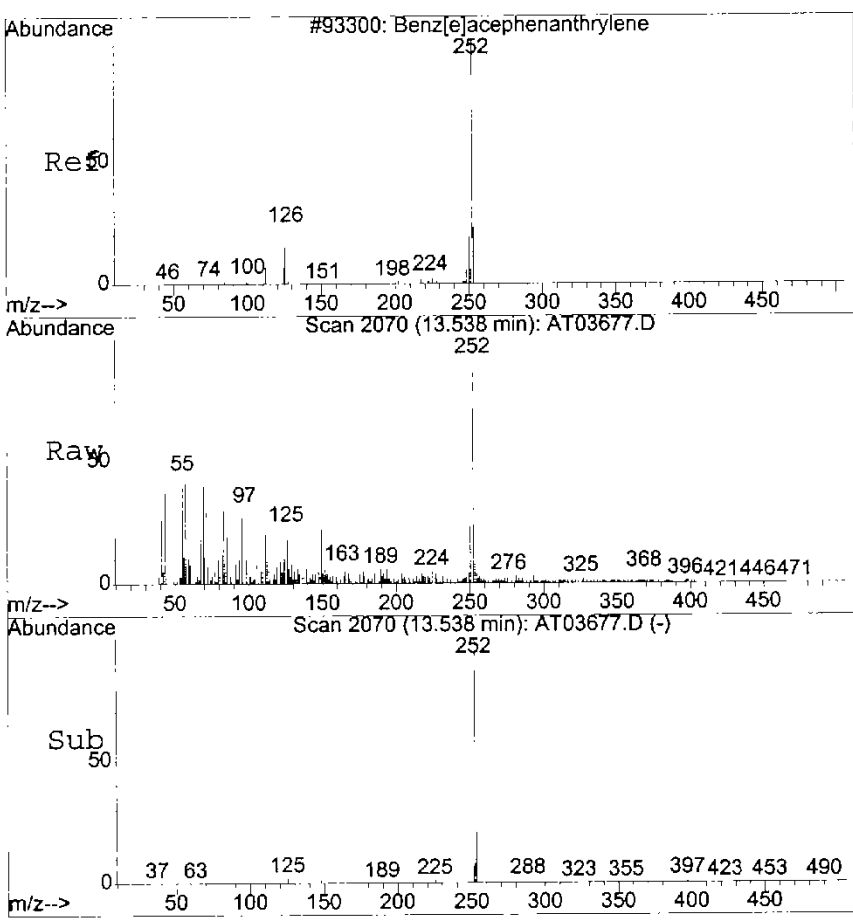


#87
Di-n-octylphthalate
Concen: 10.45 ug/L
RT: 13.14 min Scan# 1996
Delta R.T. -0.01 min
Lab File: AT03677.D
Acq: 25 Feb 2005 3:27 pm

Tgt Ion:149 Resp: 9203

Ion	Ratio	Lower	Upper
149	100		
150	22.8	0.0	39.5

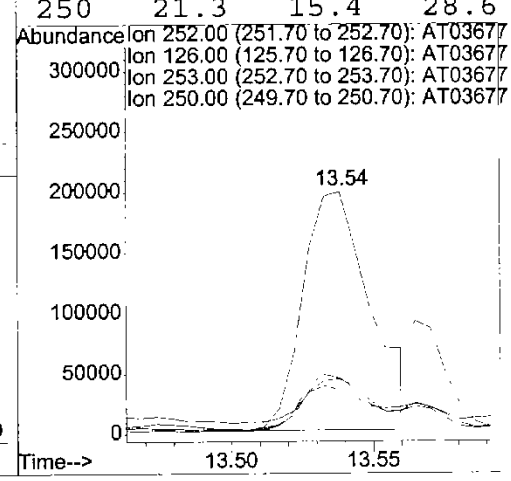


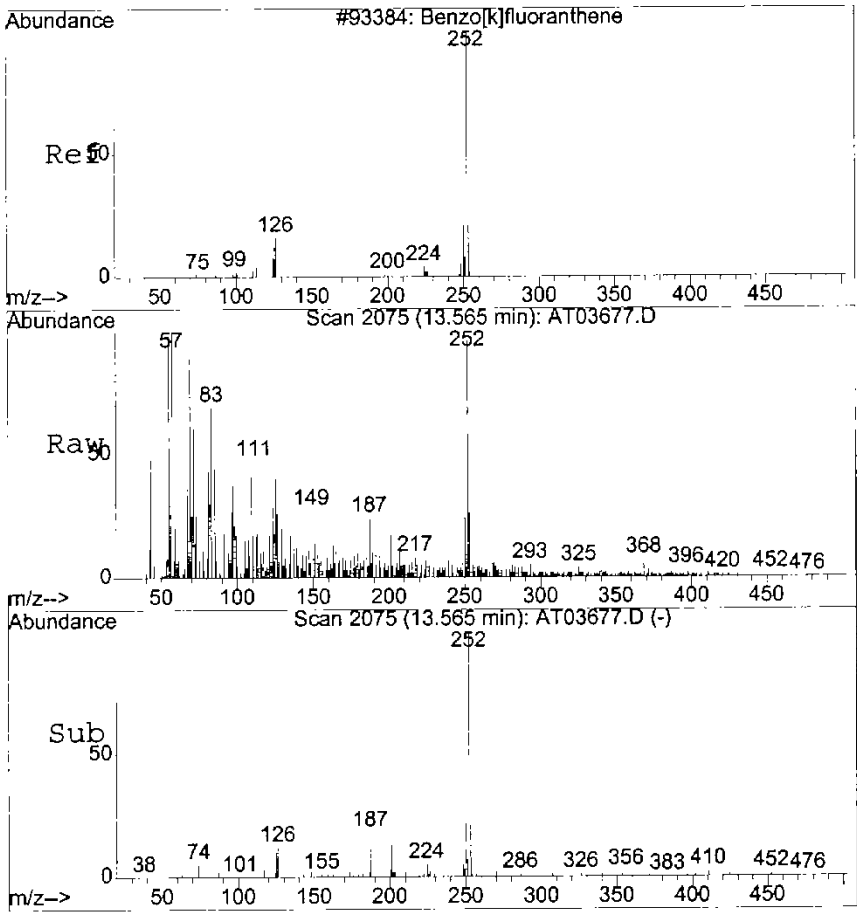


#88
Benzo(b)fluoranthene
Concen: 339.22 ul/l
RT: 13.54 min Scan# 2070
Delta R.T. 0.01 min
Lab File: AT03677.D
Acq: 25 Feb 2005 3:27 pm

Tgt Ion:252 Resp: 325551

Ion	Ratio	Lower	Upper
252	100		
126	12.1	11.5	21.5
253	21.3	15.6	29.0
250	21.3	15.4	28.6

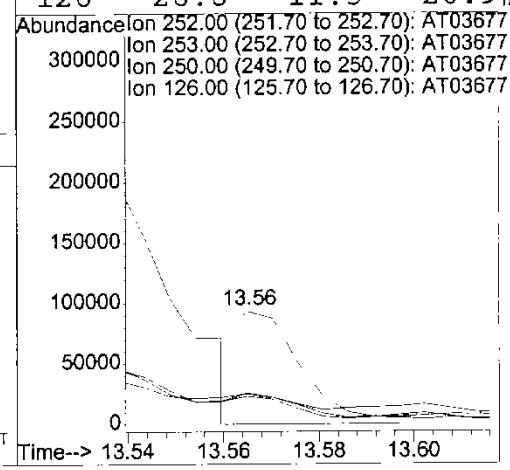


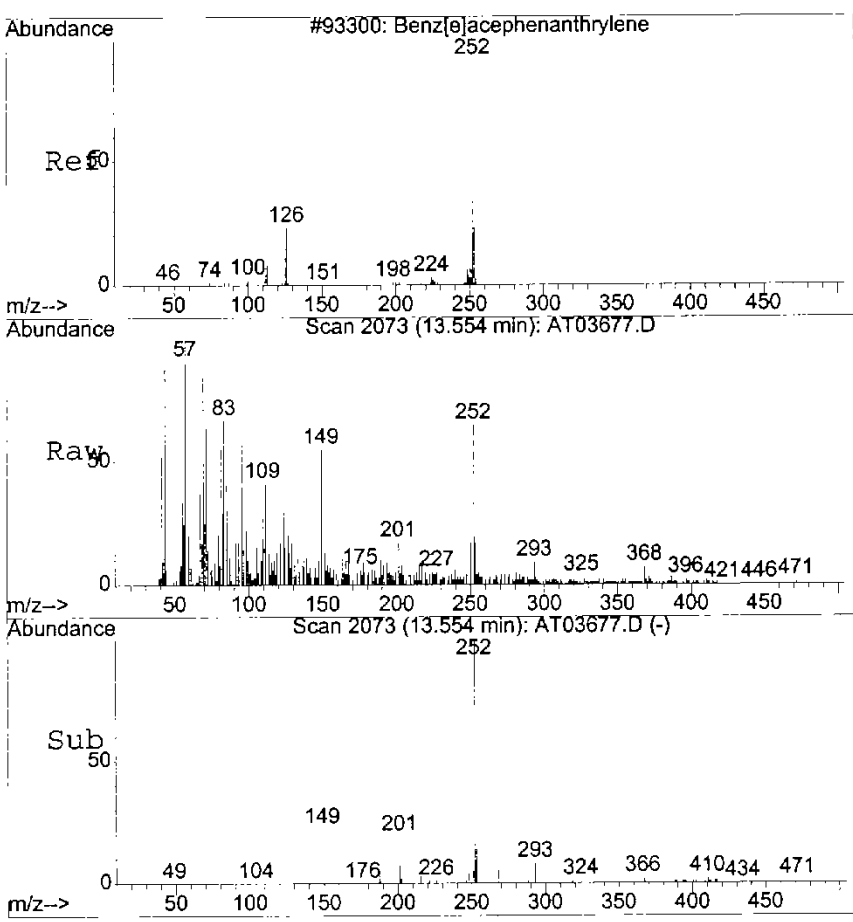


#89
benzo(k)fluoranthene
Concen: 101.37 ul/l m
RT: 13.56 min Scan# 2075
Delta R.T. 0.00 min
Lab File: AT03677.D
Acq: 25 Feb 2005 3:27 pm

Tgt Ion:252 Resp: 88397

Ion	Ratio	Lower	Upper
252	100		
253	27.3	15.2	28.2
250	24.6	15.4	28.6
126	26.8	11.3	20.9#

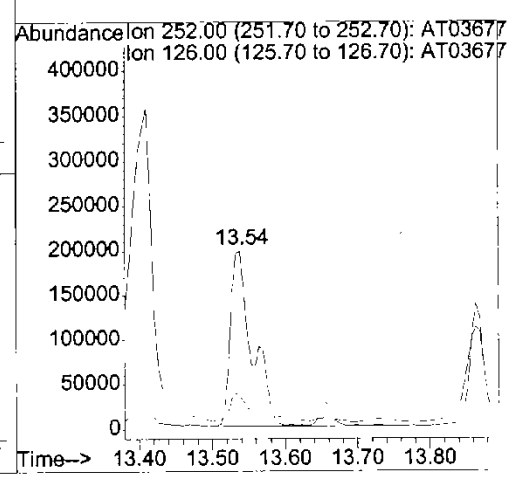


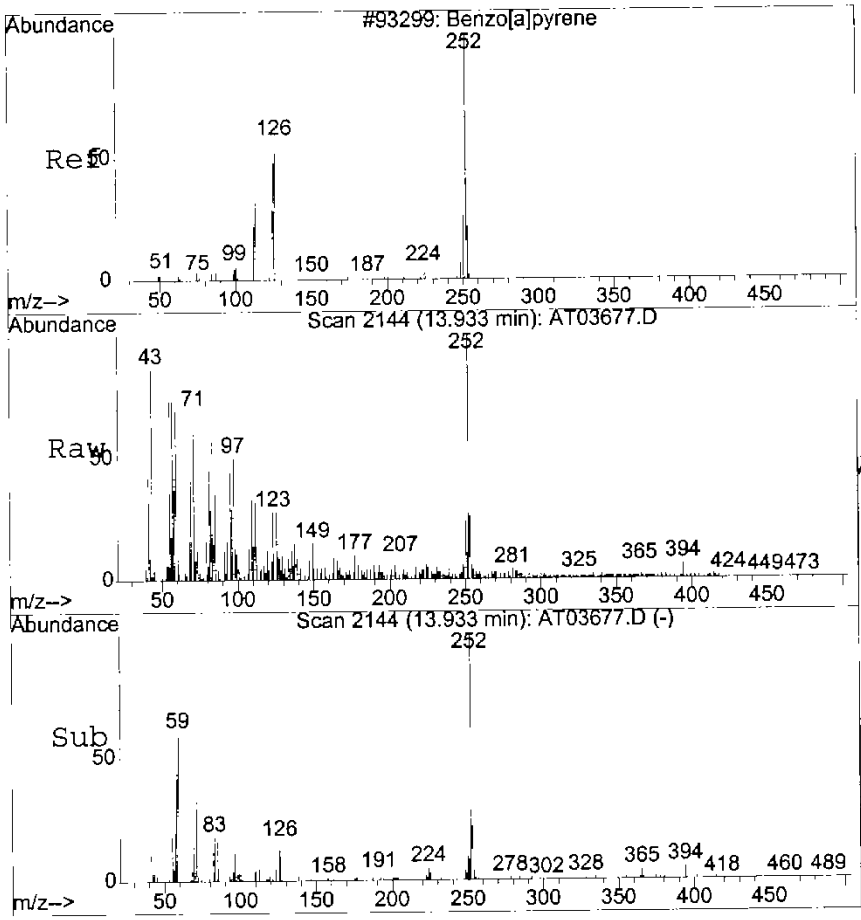


#90
Benzofluoranthenes
Concen: 501.50 ug/L
RT: 13.55 min Scan# 2073
Delta R.T. 0.01 min
Lab File: AT03677.D
Acq: 25 Feb 2005 3:27 pm

Tgt Ion:252 Resp: 443006

Ion	Ratio	Lower	Upper
252	100		
126	18.6	0.0	50.7

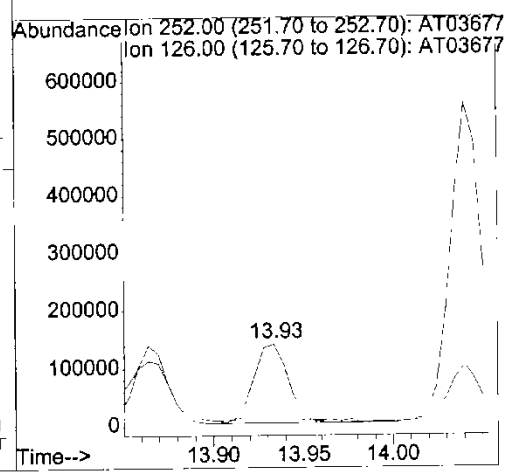


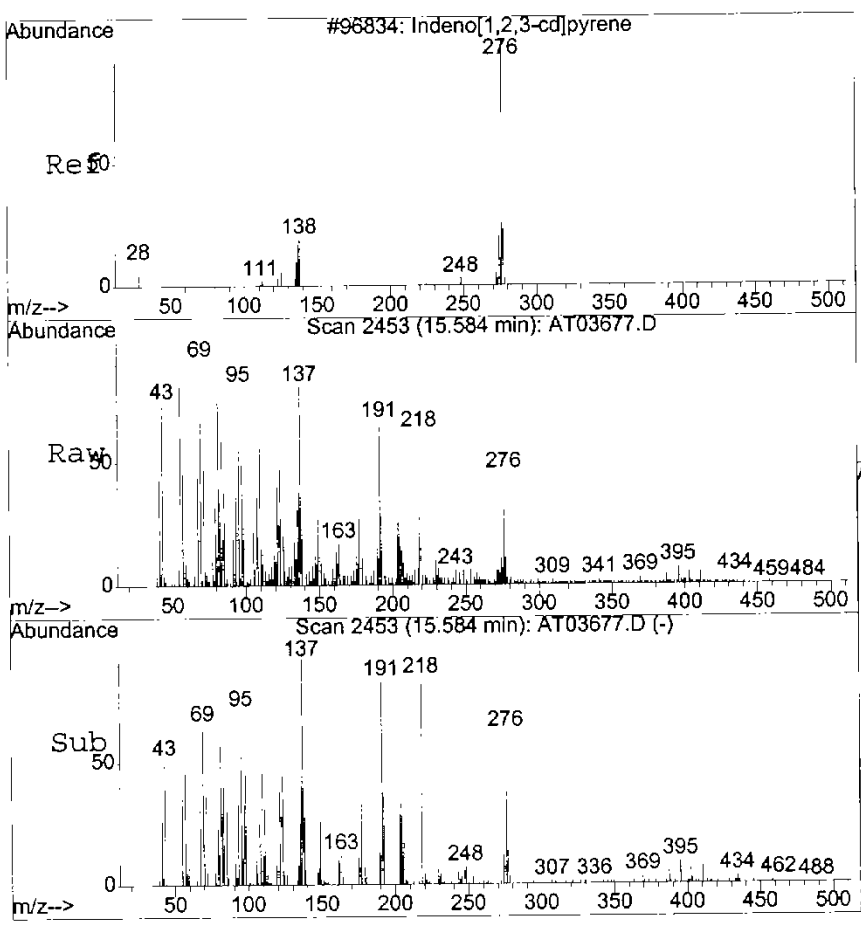


#91
Benzo(a)pyrene
Concen: 243.84 ug/L
RT: 13.93 min Scan# 2144
Delta R.T. 0.01 min
Lab File: AT03677.D
Acq: 25 Feb 2005 3:27 pm

Tgt Ion:252 Resp: 184679

Ion	Ratio	Lower	Upper
252	100		
126	14.8	0.0	44.5

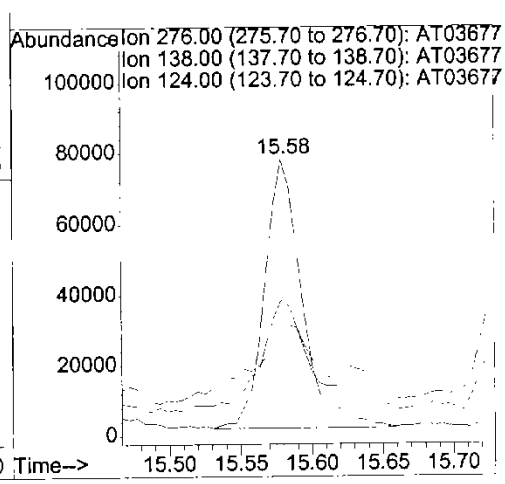


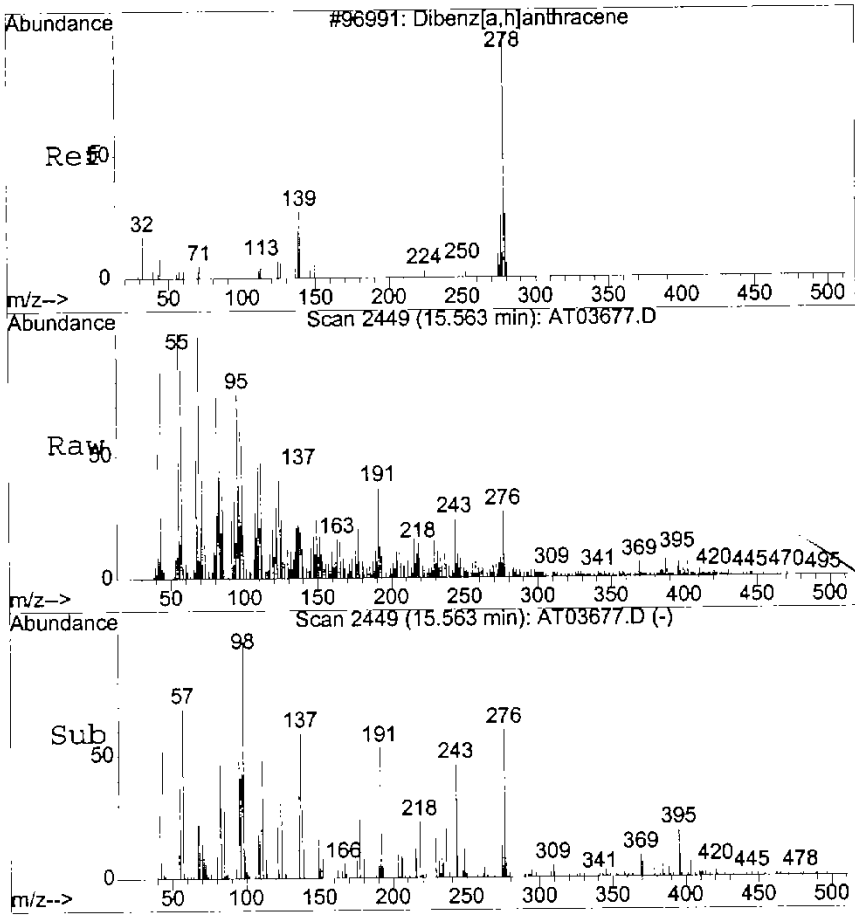


#92
Indeno(1,2,3-cd)pyrene
Concen: 186.09 ug/L
RT: 15.58 min Scan# 2453
Delta R.T. 0.01 min
Lab File: AT03677.D
Acq: 25 Feb 2005 3:27 pm

Tgt Ion:276 Resp: 140471

Ion	Ratio	Lower	Upper
276	100		
138	42.5	0.0	52.0
124	28.2	0.0	35.3

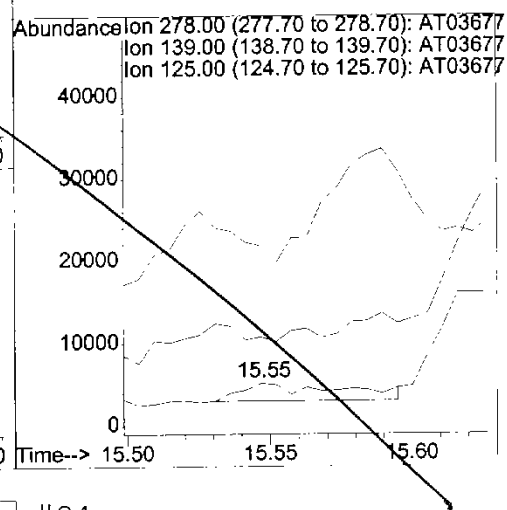


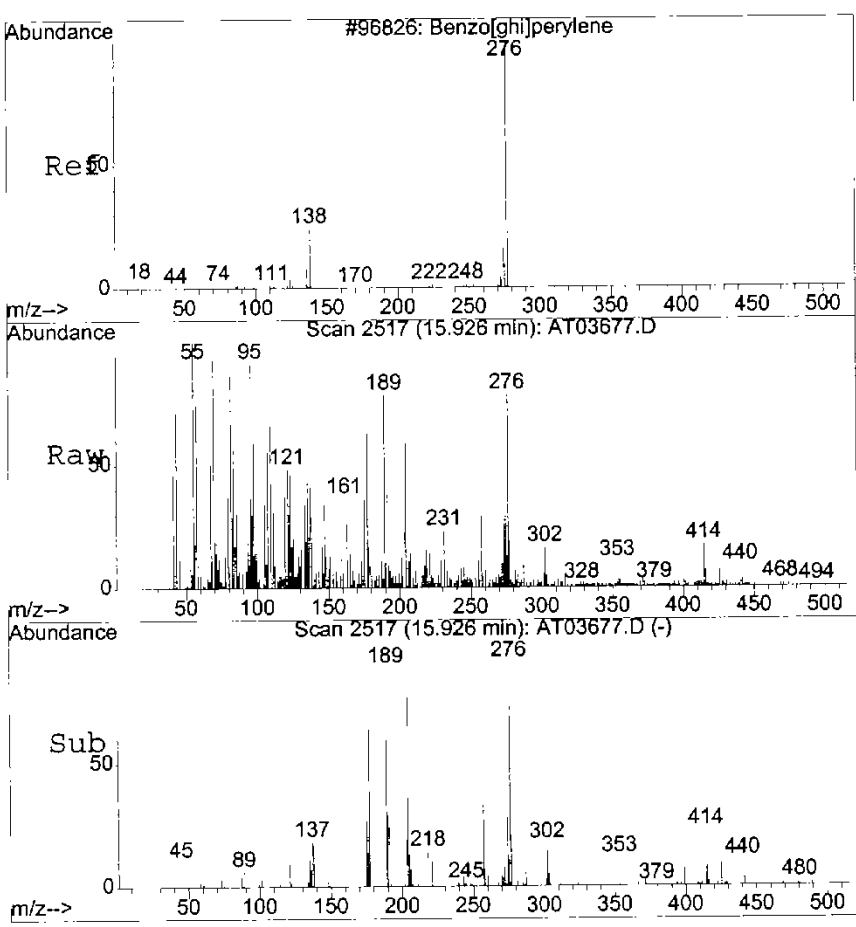


#93
Dibenz(a,h)anthracene
Concen: 18.68 ug/L
RT: 15.56 min Scan# 2449
Delta R.T. -0.05 min
Lab File: AT03677.D
Acq: 25 Feb 2005 3:27 pm

Tgt Ion:278 Resp: 5389

Ion	Ratio	Lower	Upper
278	100		
139	0.0	0.0	46.2
125	0.0	0.0	34.4

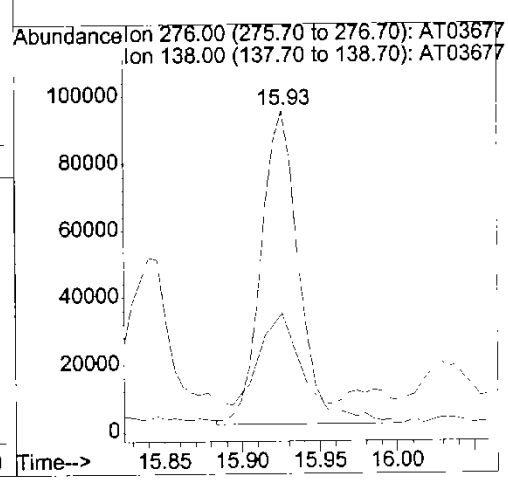




#94
Benzo(g,h,i)perylene
Concen: 187.48 ug/L
RT: 15.93 min Scan# 2517
Delta R.T. 0.02 min
Lab File: AT03677.D
Acq: 25 Feb 2005 3:27 pm

Tgt Ion:276 Resp: 158588

Ion	Ratio	Lower	Upper
276	100		
138	28.1	0.0	53.5



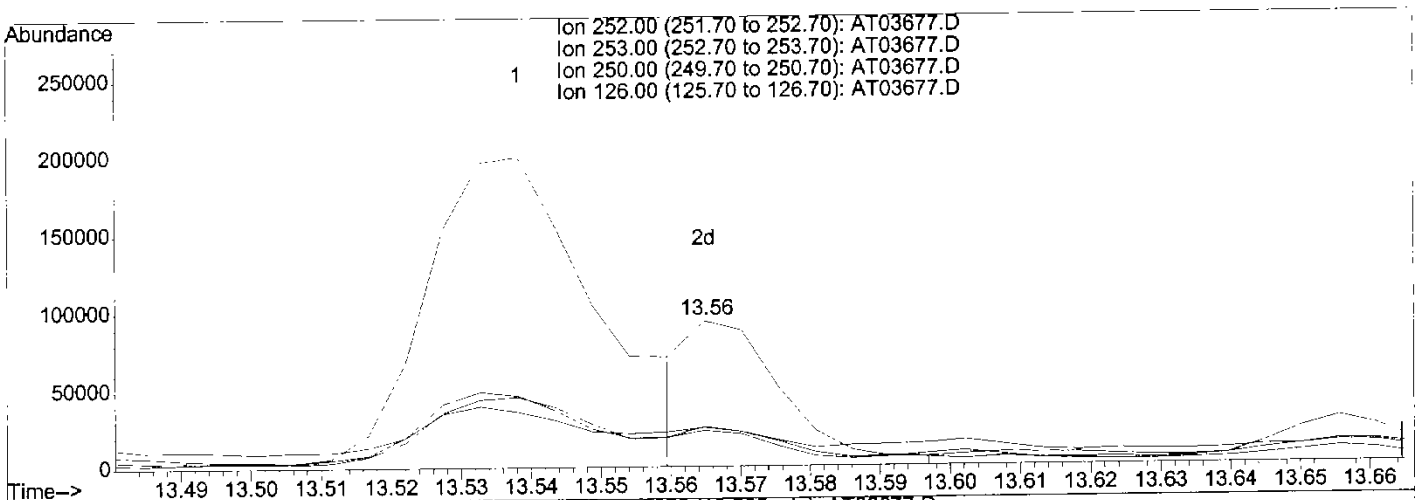
Quantitation Report (Qedit)

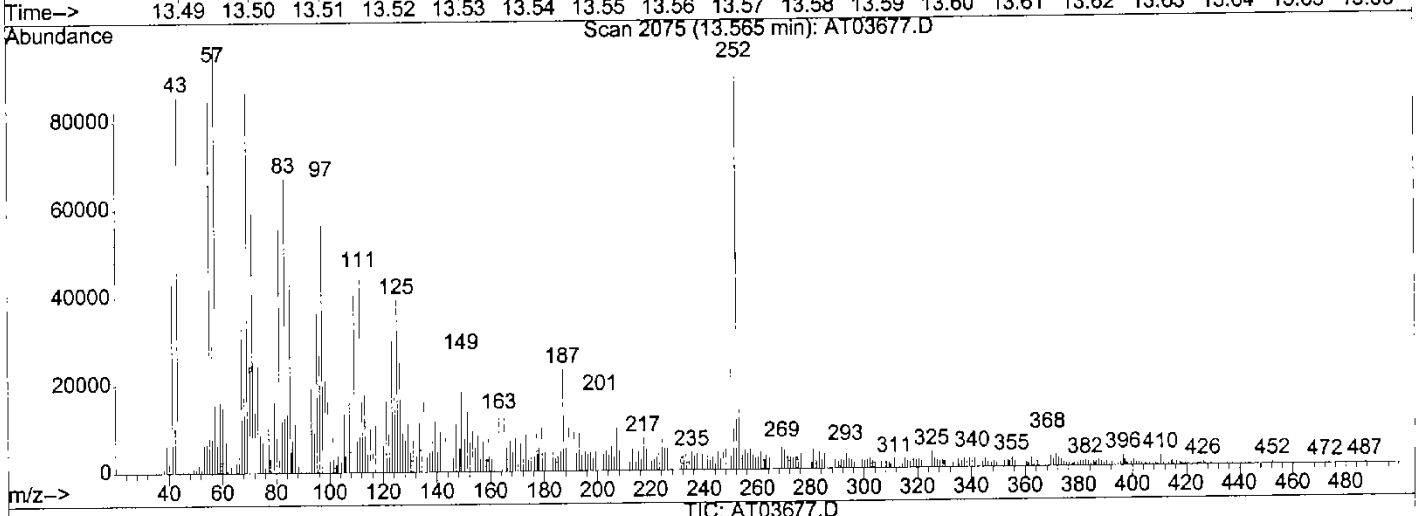
Data File : H:\DATA\022505_A\AT03677.D
Acq On : 25 Feb 2005 3:27 pm
Sample : 126377-2 &1
Misc :
MS Integration Params: Rteint.p
Quant Time: Feb 28 10:49 2005

Vial: 18
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00

Quant Results File: temp.res

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Fri Feb 25 12:17:02 2005
Response via : Multiple Level Calibration





TIC: AT03677.D

(89) benzo(k)fluoranthene (T)

13.56min 101.37ul/l m

response 88397

Ion	Exp%	Act%
252.00	100	100
253.00	21.70	27.31
250.00	22.00	24.56
126.00	16.10	26.77#

2/28/05

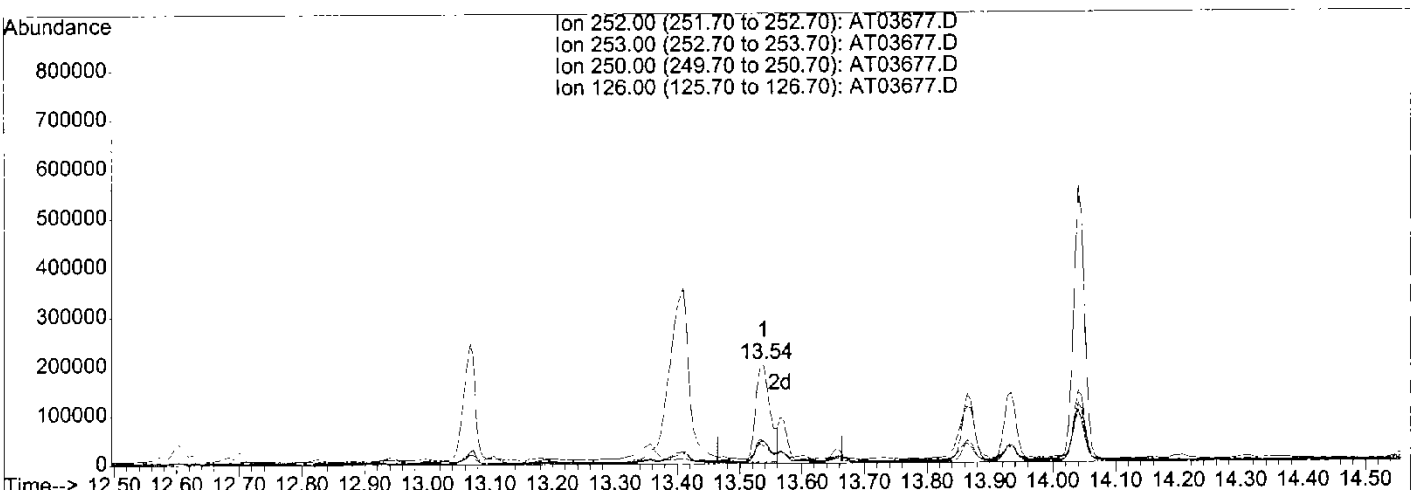
00291

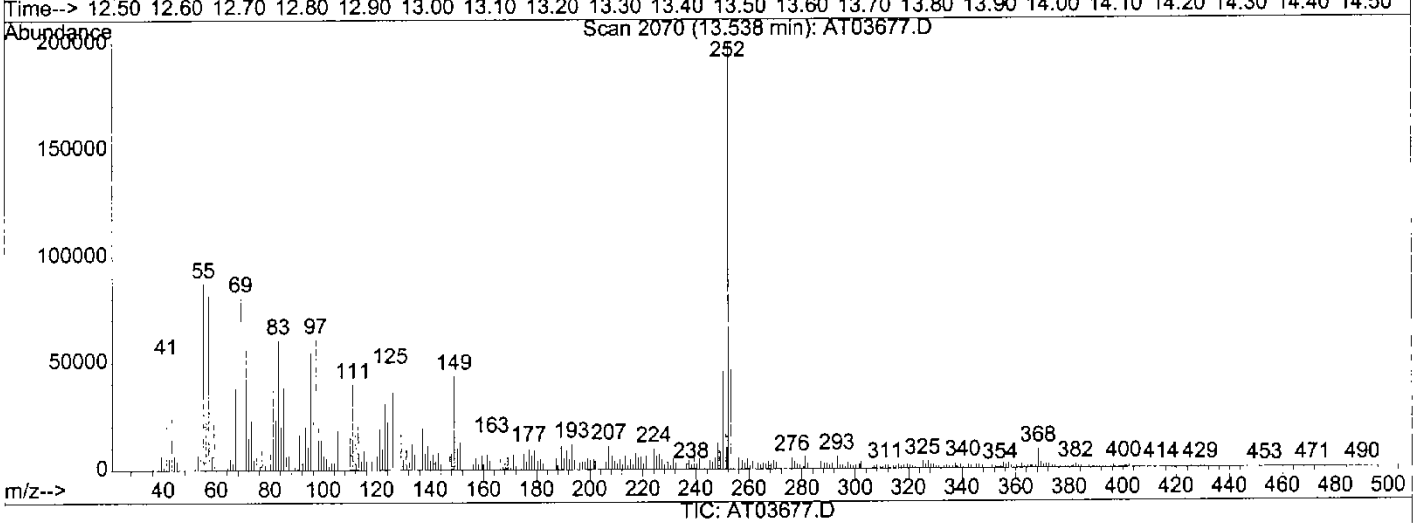
Quantitation Report (Qedit)

Data File : H:\DATA\022505_A\AT03677.D
Acq On : 25 Feb 2005 3:27 pm
Sample : 126377-2 &1
Misc :
MS Integration Params: Rteint.p
Quant Time: Feb 28 6:58 2005

Vial: 18
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: temp.res

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Fri Feb 25 12:17:02 2005
Response via : Multiple Level Calibration





(89) benzo(k)fluoranthene (T)

13.54min 373.31ul/l

response 325551

Ion	Exp%	Act%
252.00	100	100
253.00	21.70	21.32
250.00	22.00	21.25
126.00	16.10	12.14

AT03677.D 8270_022505.M Mon Feb 28 10:49:43 2005 MSD1

00292

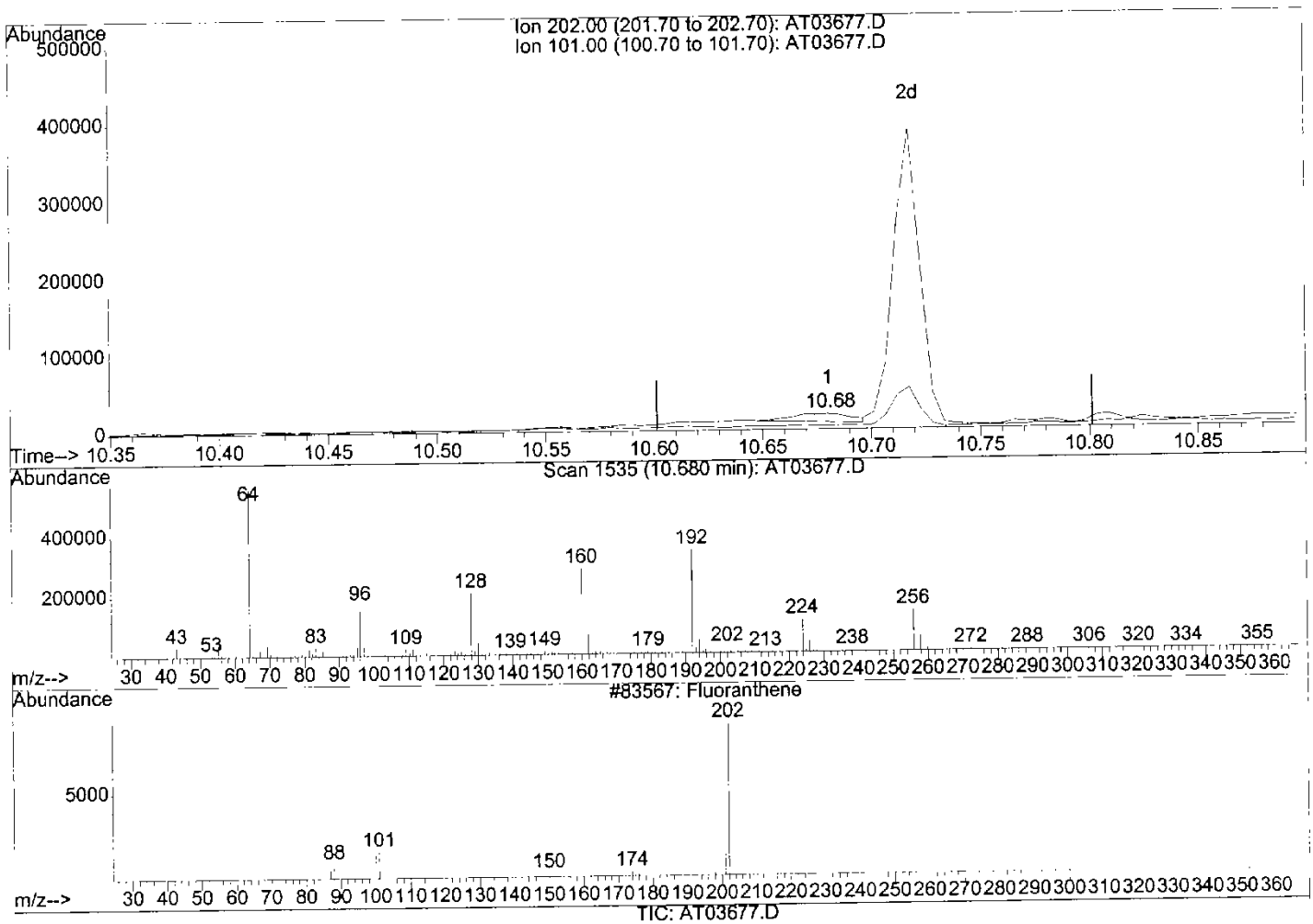
Quantitation Report (Qedit)

Data File : H:\DATA\022505_A\AT03677.D
Acq On : 25 Feb 2005 3:27 pm
Sample : 126377-2 &1
Misc :
MS Integration Params: Rteint.p
Quant Time: Feb 28 10:49 2005

Vial: 18
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00

Quant Results File: temp.res

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Feb 28 14:16:48 2005
Response via : Multiple Level Calibration



(76) Fluoranthene (TC)

10.68min 21.12ug/L

response 19251

Ion	Exp%	Act%
202.00	100	100
101.00	13.70	0.00
0.00	0.00	0.00
0.00	0.00	0.00

3/1/05

00293

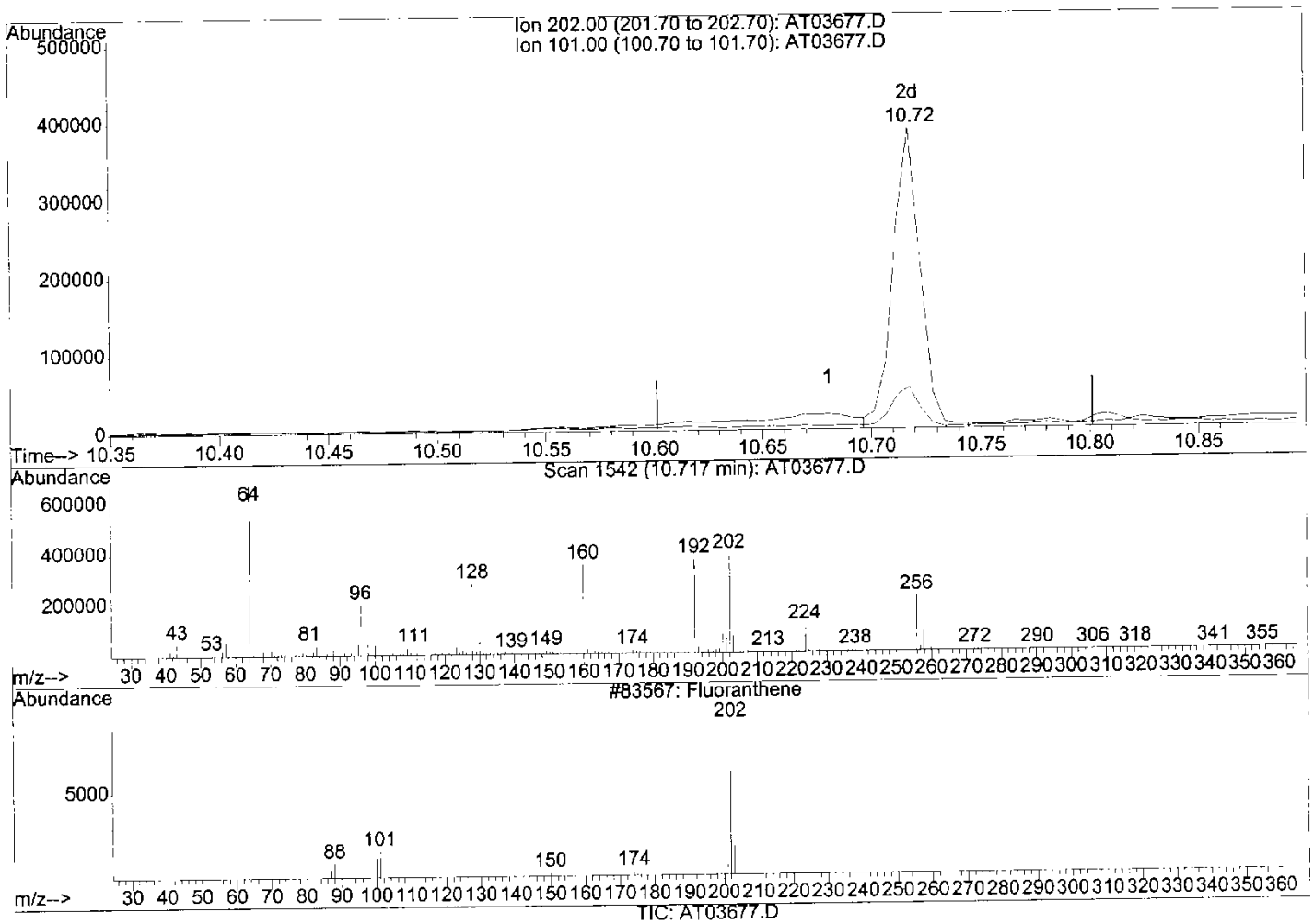
Quantitation Report (Qedit)

Data File : H:\DATA\022505_A\AT03677.D
Acq On : 25 Feb 2005 3:27 pm
Sample : 126377-2 &1
Misc :
MS Integration Params: Rteint.p
Quant Time: Mar 1 7:27 2005

Vial: 18
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00

Quant Results File: temp.res

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Feb 28 14:16:48 2005
Response via : Multiple Level Calibration



(76) Fluoranthene (TC)

10.72min 366.54ug/L m

response 334169

Ion	Exp%	Act%
202.00	100	100
101.00	13.70	13.55
0.00	0.00	0.00
0.00	0.00	0.00

3/1/05

Quantitation Report (QT Reviewed)

Data File : H:\DATA\030105_A\AT03696.D
Acq On : 1 Mar 2005 11:32 am
Sample : 126377-2 &1
Misc :
MS Integration Params: Rteint.p
Quant Time: Mar 01 12:19:43 2005

Vial: 10
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: 8270_022505.RES

Quant Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Feb 28 14:16:48 2005
Response via : Initial Calibration
DataAcq Meth : 8270EXT

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4 (I)	5.42	152	278016	1000.000 ug/L	0.00
23) Naphthalene - d8 (I)	6.54	136	1094033	1000.000 ug/L	0.00
39) Acenaphthene - d10 (I)	8.00	162	559870	1000.000 ug/L	0.00
63) Phenanthrene - d10 (I)	9.30	188	1022781	1000.000 ug/L	0.00
80) Chrysene - d12 (I)	12.17	240	983730	1000.000 ul/l	0.00
86) Perylene - d12 (I)	13.79	264	1018398	1000.000 ug/L	0.00
System Monitoring Compounds					
4) 2 - Fluorophenol (S)	4.14	112	98906	424.89 ug/L	-0.01
8) Phenol - d5 (S)	5.12	99	148027	564.98 ug/L	0.00
24) Nitrobenzene - d5 (S)	5.93	82	84129	375.04 ug/L	0.00
44) 2 - Fluorobiphenyl (S)	7.45	172	199603	330.42 ug/L	0.00
66) 2,4,6 - Tribromophenol (S)	8.67	330	78006	781.89 ug/L	0.00
79) p - Terphenyl - d14 (S)	11.00	244	443681	716.49 ug/L	0.00
Target Compounds					Qvalue
3) Pyridine	2.60	79	4479	195.530 ug/L	60
6) Benzaldehyde	5.03	105	15073	71.607 ul/L	80
9) Phenol	5.14	94	20210	72.345 ug/L	72
15) Benzyl alcohol	5.58	79	11258	87.266 ug/L	95
19) 3-&4-Methylphenol	5.82	108	4732	46.276 ug/L	92
30) Benzoic Acid	6.34	105	69328	913.889 ug/L	98
33) Naphthalene	6.56	128	21669	25.663 ug/L	98
36) 4-Chloro-3-methylphenol	7.04	107	1282	43.143 ug/L	84
43) 2,4,5-Trichlorophenol	7.57	196	101	33.533 ug/L	90
46) Biphenyl	7.53	154	3487	5.556 ul/L	100
47) 2-Nitroaniline	7.60	138	292	23.426 ug/L	68
48) Dimethylphthalate	7.80	163	9139	17.382 ug/L	85
49) Acenaphthylene	7.89	152	8884	11.506 ug/L	90
51) 3-Nitroaniline	7.98	138	71	Below Cal #	35
52) Acenaphthene	8.02	153	8907	17.531 ug/L	95
53) 2,4-Dinitrophenol	8.07	184	866	358.031 ug/L	51
55) Dibenzofuran	8.17	168	7860	11.548 ug/L	76
56) 2,4-Dinitrotoluene	8.17	165	266	32.792 ug/L	96
59) Diethylphthalate	8.38	149	40735	73.258 ug/L	97
60) Fluorene	8.46	166	11205	21.391 ug/L	94
70) Pentachlorophenol	9.13	266	2278	24.689 ug/L	56
71) Phenanthrene	9.32	178	114016	136.732 ug/L	99
72) Anthracene	9.38	178	28108	37.166 ug/L	96
73) Octadecane	9.24	57	29830	123.271 ul/L	89
74) Carbazole	9.54	167	17039	33.280 ug/L	94
75) Di-n-butylphthalate	9.93	149	3422126	3817.875 ug/L	99

(#) = qualifier out of range (m) = manual integration

00295

Data File : H:\DATA\030105_A\AT03696.D
Acq On : 1 Mar 2005 11:32 am
Sample : 126377-2 &1
Misc :
MS Integration Params: Rteint.p
Quant Time: Mar 01 12:19:43 2005

Vial: 10
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: 8270_022505.RES

Quant Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Feb 28 14:16:48 2005
Response via : Initial Calibration
DataAcq Meth : 8270EXT

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
76)	Fluoranthene	10.54	202	292834	344.079	ug/L	99
77)	Pyrene	10.78	202	271009	307.008	ug/L	93
81)	Butylbenzylphthalate	11.58	149	61693	241.684	ug/L	95
82)	Benzo(a)anthracene	12.15	228	119413m	167.100	ug/L	
83)	3,3'-Dichlorobenzidine	12.00	252	1221	33.326	ug/L	86
84)	Chrysene	12.19	228	163652	219.708	ug/L	99
85)	bis(2-Ethylhexyl)phthalate	12.29	149	296490	642.385	ug/L	99
87)	Di-n-octylphthalate	12.96	149	10094	12.791	ug/L	56
88)	Benzo(b)fluoranthene	13.35	252	235843m	276.591	ul/l	
89)	benzo(k)fluoranthene	13.37	252	72316m	92.517	ul/l	
90)	Benzofluoranthenes	13.36	252	335363	423.557	ug/L	86
91)	Benzo(a)pyrene	13.72	252	141271	208.102	ug/L	92
92)	Indeno(1,2,3-cd)pyrene	15.30	276	122317	181.332	ug/L	92
93)	Dibenz(a,h)anthracene	15.35	278	23080	41.475	ug/L	67
94)	Benzo(g,h,i)perylene	15.67	276	125076	164.965	ug/L	99

3/2/05

(#) = qualifier out of range (m) = manual integration

00296

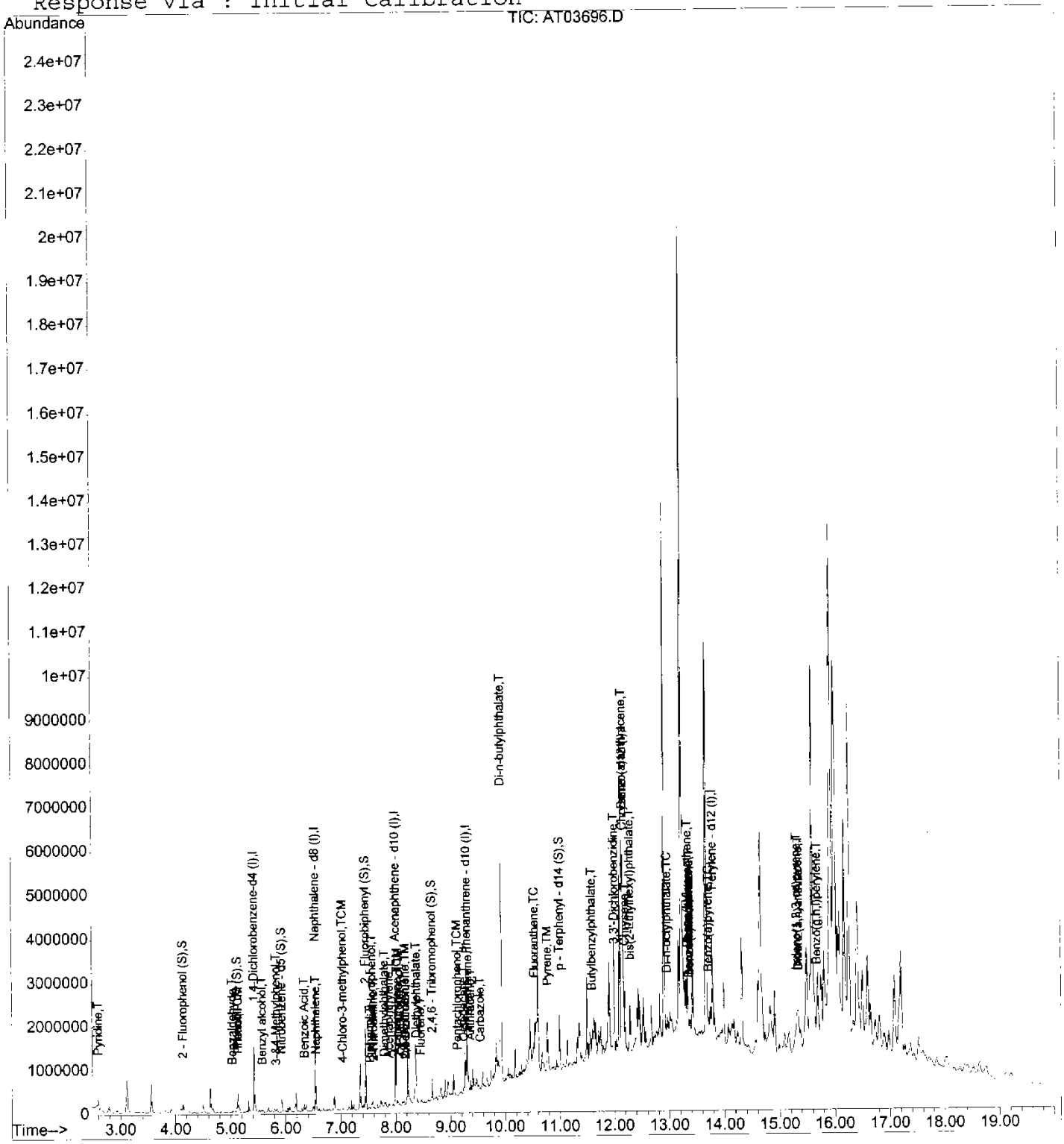
Quantitation Report (QT Reviewed)

Data File : H:\DATA\030105_A\AT03696.D
Acq On : 1 Mar 2005 11:32 am
Sample : 126377-2 &1
Misc :
MS Integration Params: Rteint.p
Quant Time: Mar 2 7:59 2005

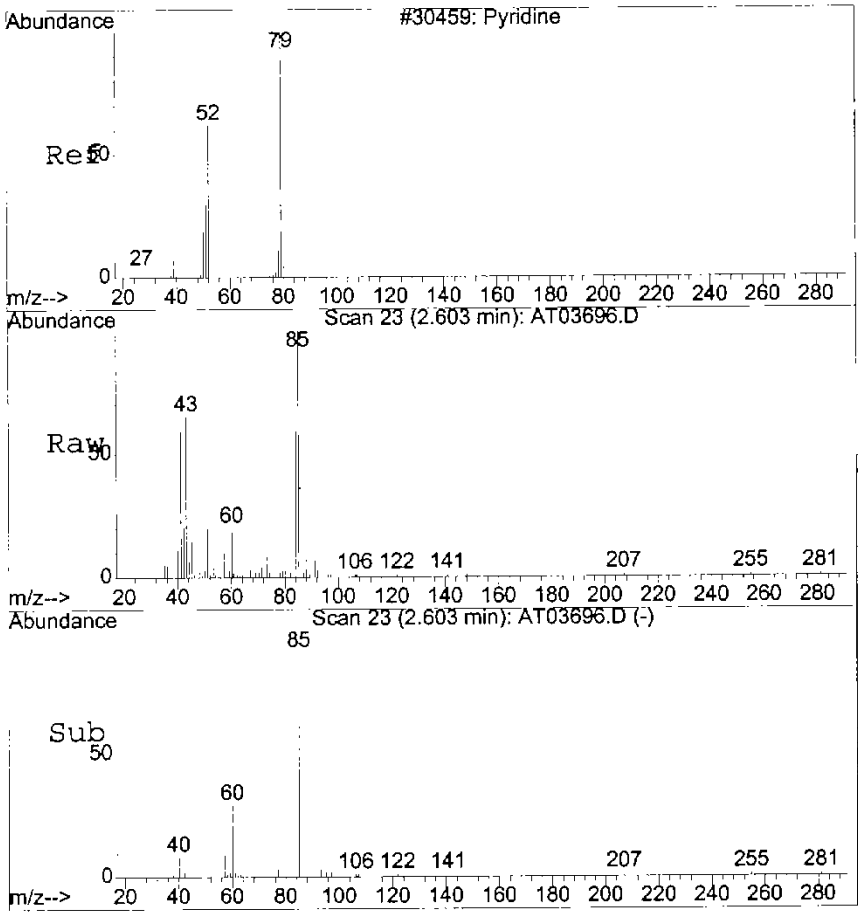
Vial: 10
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00

Quant Results File: 8270_022505.

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Feb 28 14:16:48 2005
Response via : Initial Calibration



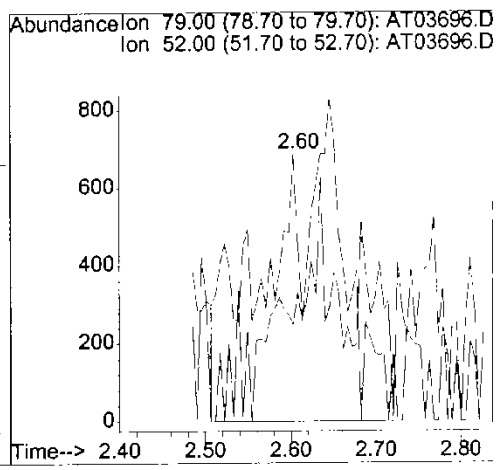
00297

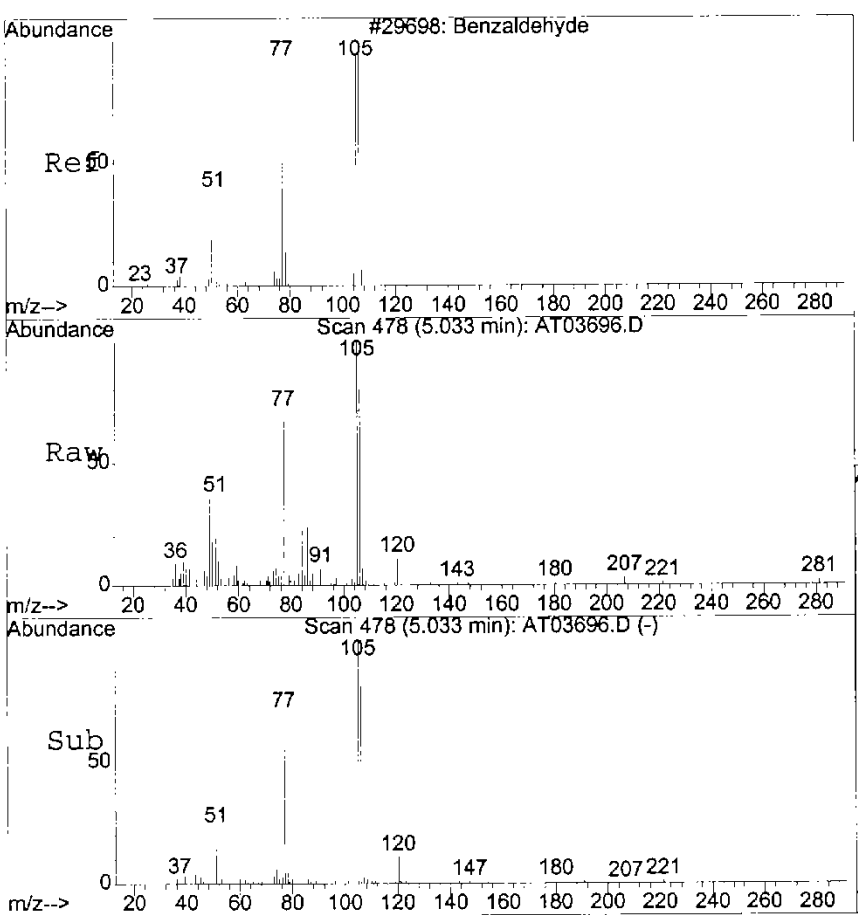


#3
Pyridine
Concen: 195.53 ug/L
RT: 2.60 min Scan# 23
Delta R.T. 0.05 min
Lab File: AT03696.D
Acq: 1 Mar 2005 11:32 am

Tgt Ion: 79 Resp: 4479

Ion	Ratio	Lower	Upper
79	100		
52	29.9	29.7	89.7

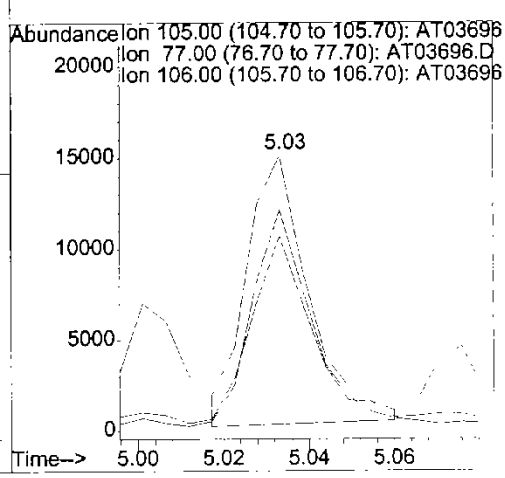




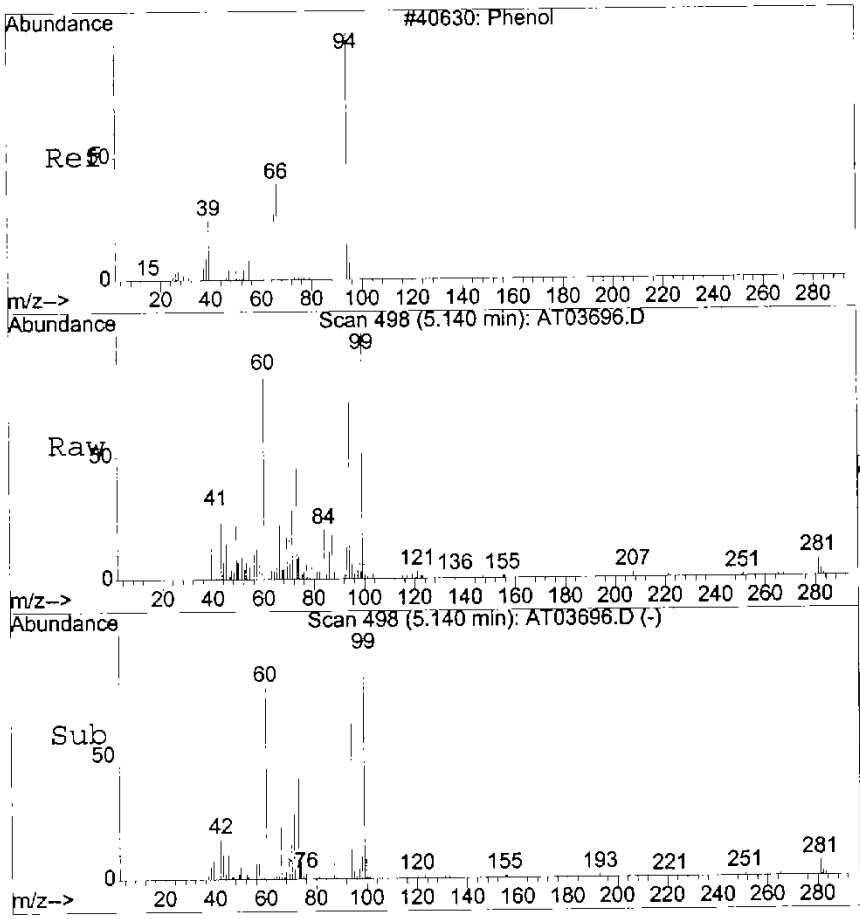
#6
Benzaldehyde
Concen: 71.61 ul/L
RT: 5.03 min Scan# 478
Delta R.T. -0.02 min
Lab File: AT03696.D
Acq: 1 Mar 2005 11:32 am

Tgt Ion:105 Resp: 15073

Ion	Ratio	Lower	Upper
105	100		
77	69.5	63.9	123.9
106	85.8	72.0	132.0



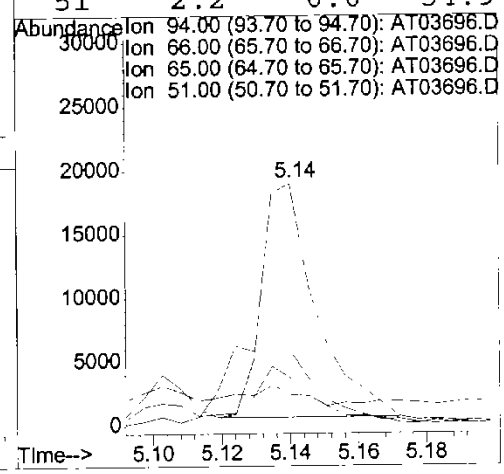
00298

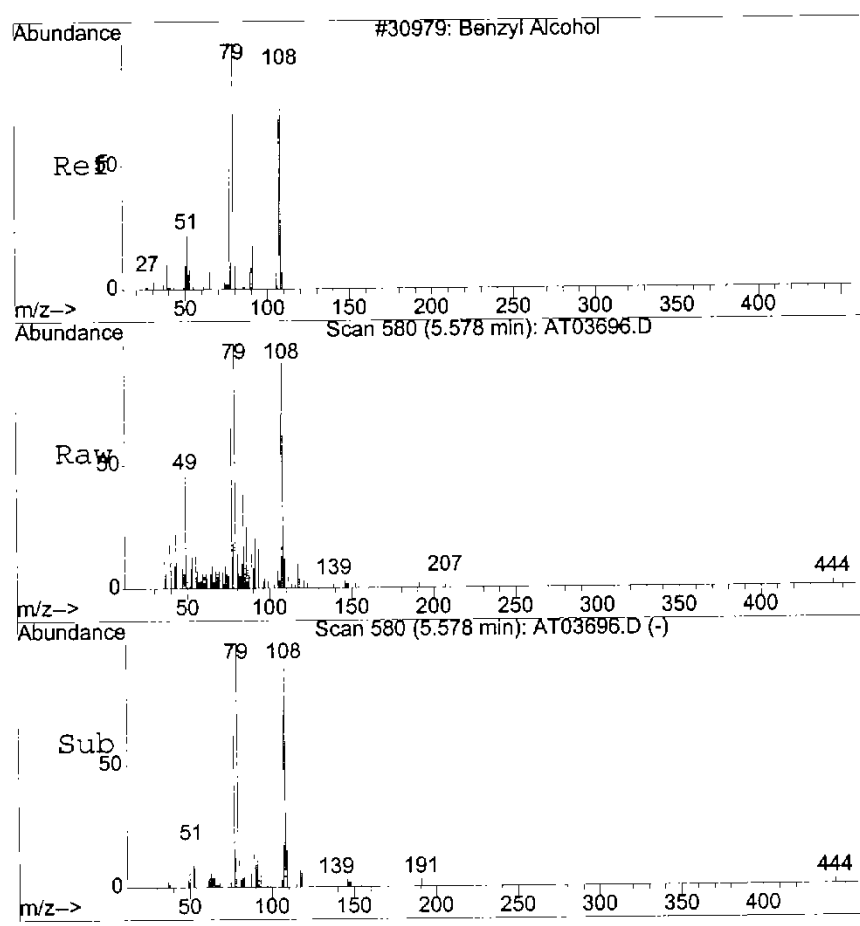


#9
Phenol
Concen: 72.34 ug/L
RT: 5.14 min Scan# 498
Delta R.T. -0.01 min
Lab File: AT03696.D
Acq: 1 Mar 2005 11:32 am

Tgt Ion: 94 Resp: 20210

Ion	Ratio	Lower	Upper
94	100		
66	23.3	14.1	74.1
65	17.3	1.3	61.3
51	2.2	0.0	34.9

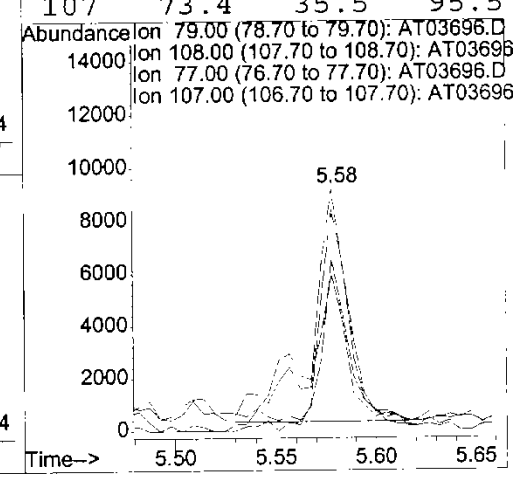


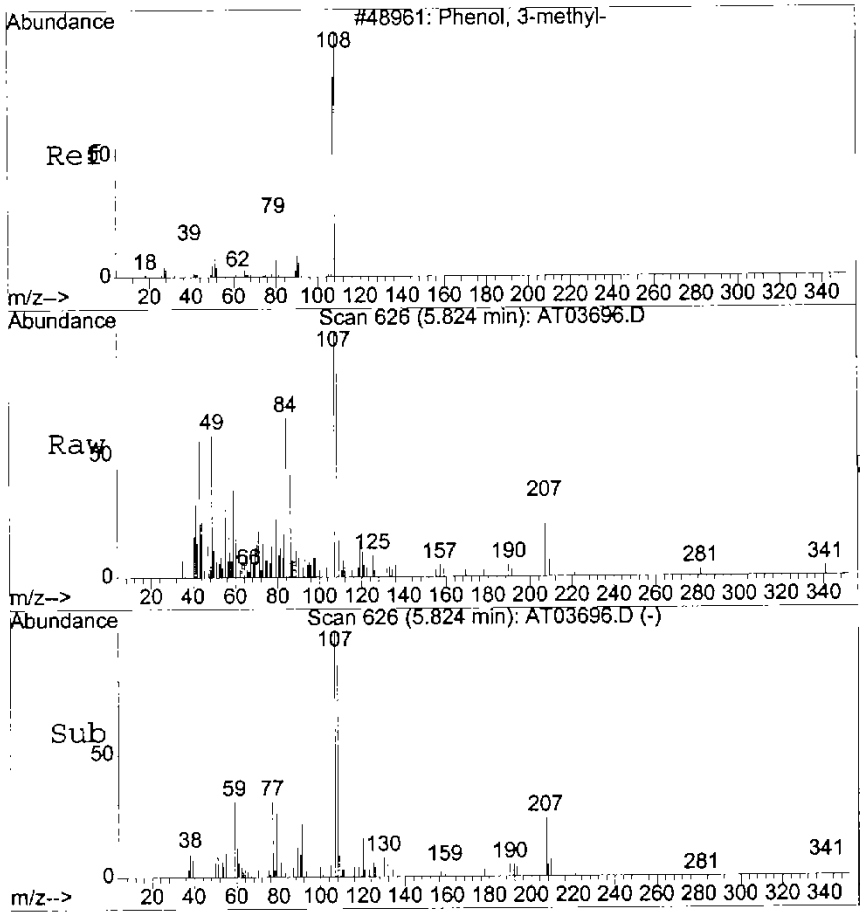


#15
Benzyl alcohol
Concen: 87.27 ug/L
RT: 5.58 min Scan# 580
Delta R.T. 0.01 min
Lab File: AT03696.D
Acq: 1 Mar 2005 11:32 am

Tgt Ion: 79 Resp: 11258

Ion	Ratio	Lower	Upper
79	100		
108	94.2	62.2	122.2
77	61.5	29.8	89.8
107	73.4	35.5	95.5

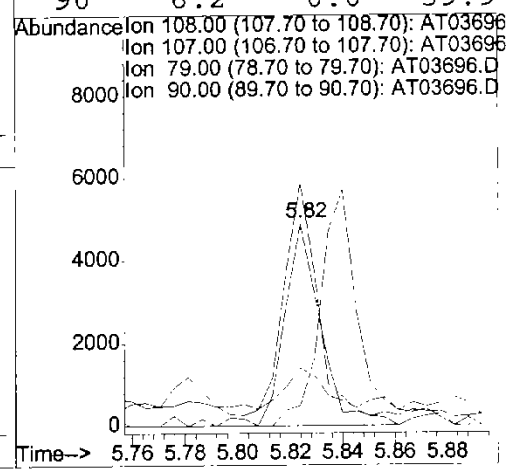


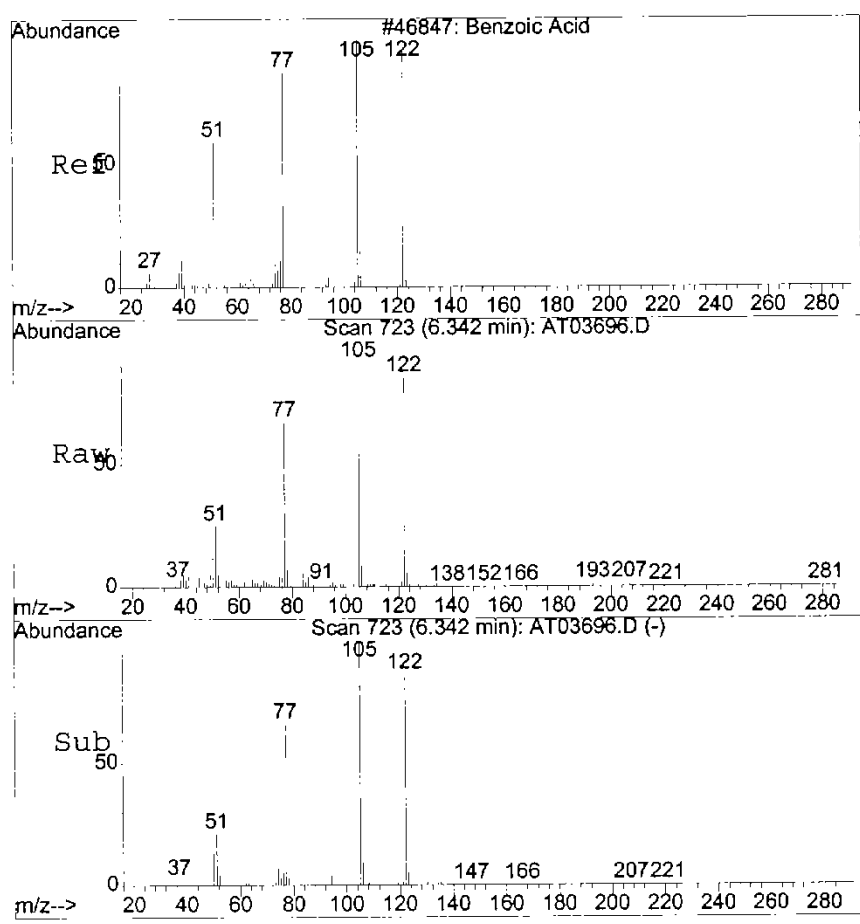


#19
3-&4-Methylphenol
Concen: 46.28 ug/L
RT: 5.82 min Scan# 626
Delta R.T. 0.02 min
Lab File: AT03696.D
Acq: 1 Mar 2005 11:32 am

Tgt Ion:108 Resp: 4732

Ion	Ratio	Lower	Upper
108	100		
107	113.2	75.6	135.6
79	20.0	0.0	55.6
90	6.2	0.0	39.9

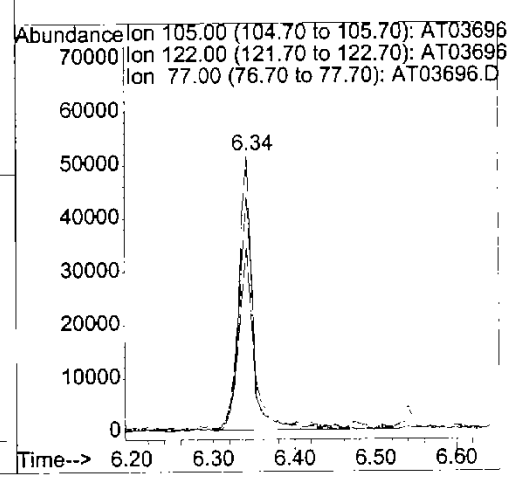


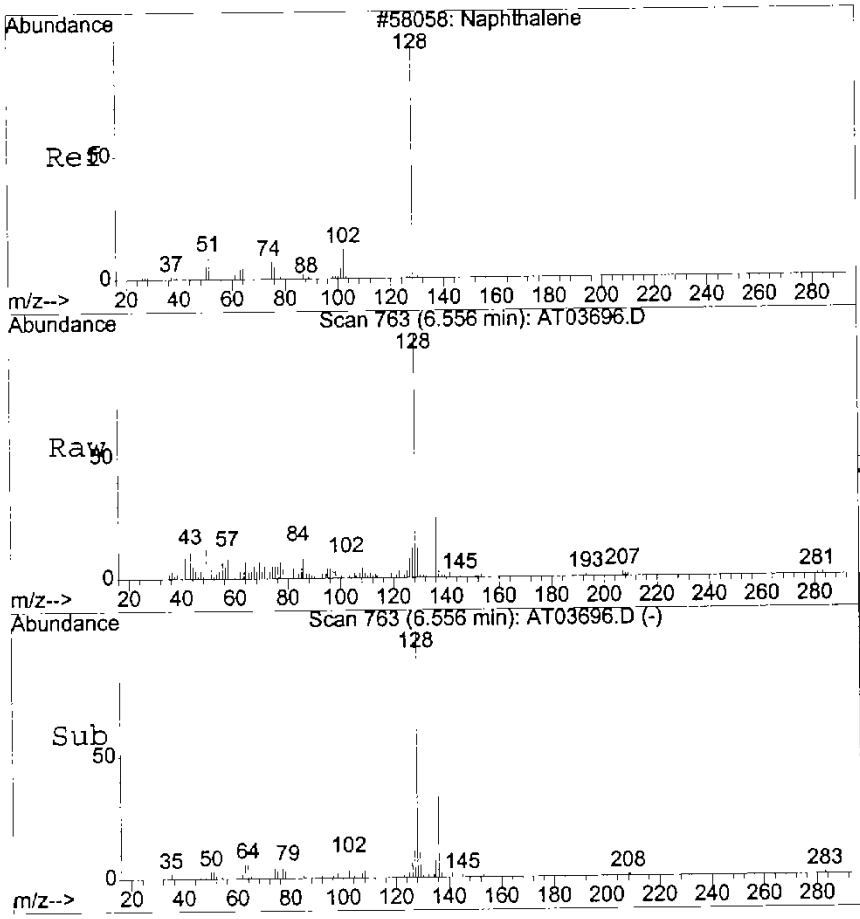


#30
Benzoic Acid
Concen: 913.89 ug/L
RT: 6.34 min Scan# 723
Delta R.T. -0.04 min
Lab File: AT03696.D
Acq: 1 Mar 2005 11:32 am

Tgt Ion:105 Resp: 69328

Ion	Ratio	Lower	Upper
105	100		
122	86.2	58.0	118.0
77	66.1	34.2	94.2

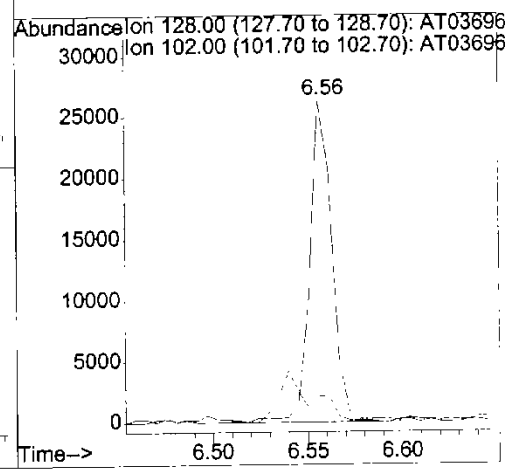


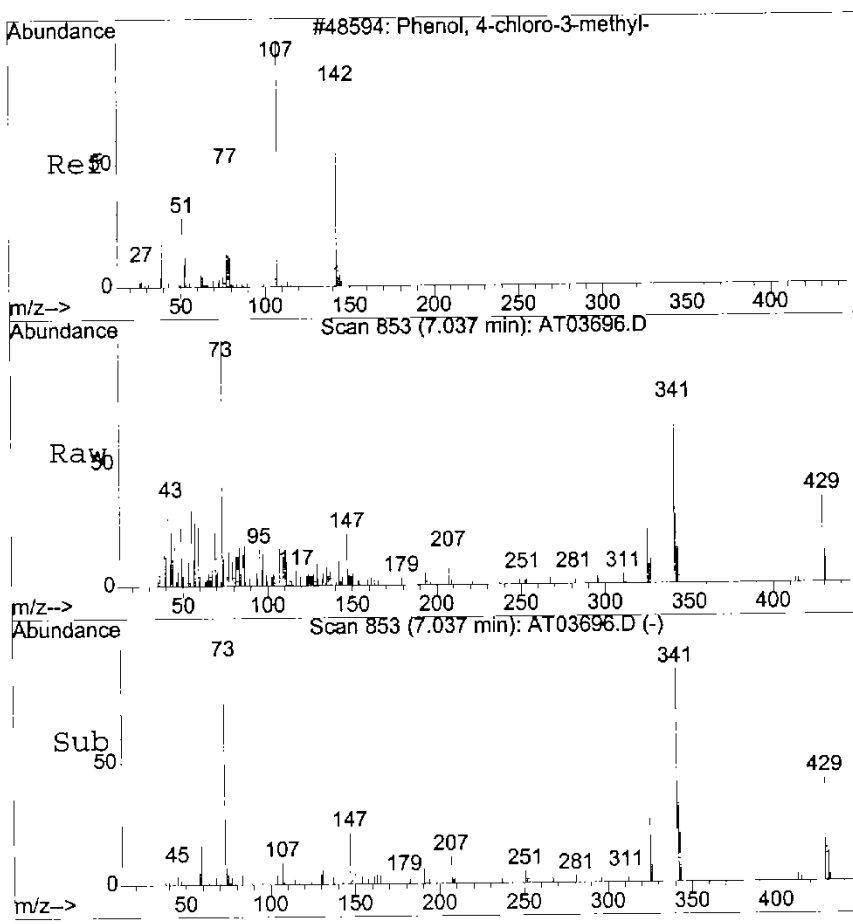


#33
Naphthalene
Concen: 25.66 ug/L
RT: 6.56 min Scan# 763
Delta R.T. -0.00 min
Lab File: AT03696.D
Acq: 1 Mar 2005 11:32 am

Tgt Ion:128 Resp: 21669

Ion	Ratio	Lower	Upper
128	100		
102	7.2	0.0	37.8

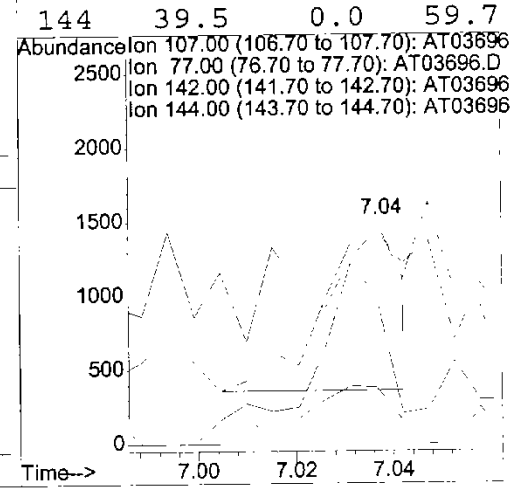


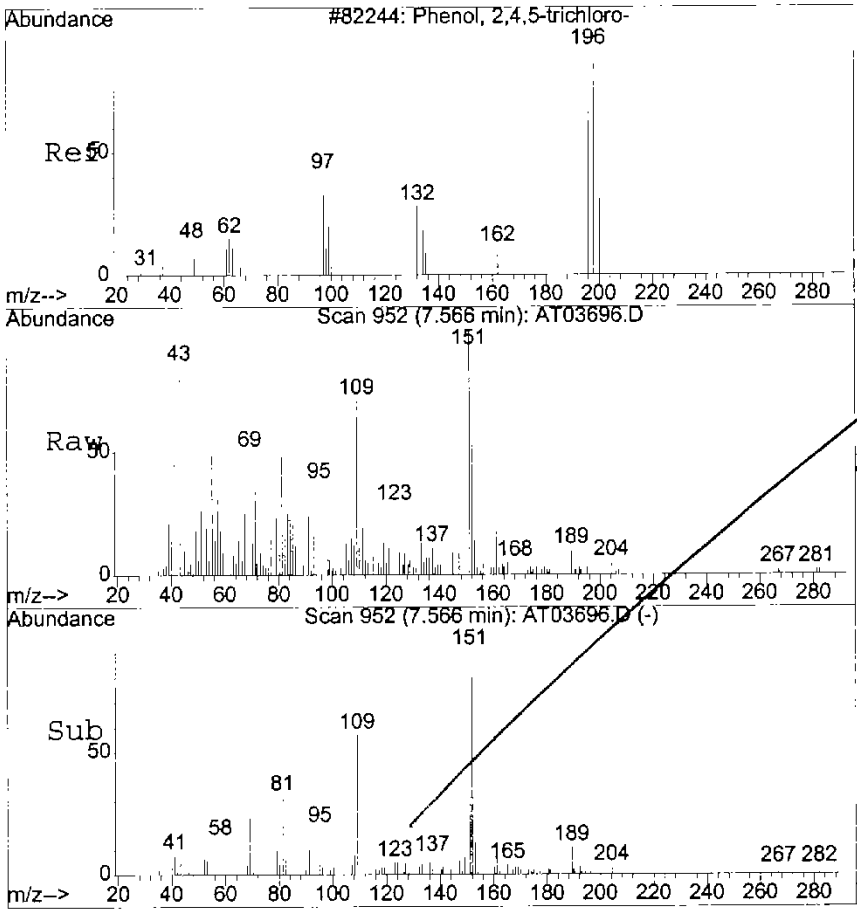


#36
4-Chloro-3-methylphenol
Concen: 43.14 ug/L
RT: 7.04 min Scan# 853
Delta R.T. 0.03 min
Lab File: AT03696.D
Acq: 1 Mar 2005 11:32 am

Tgt Ion:107 Resp: 1282

Ion	Ratio	Lower	Upper
107	100		
77	32.7	15.4	75.4
142	105.8	62.3	122.3
144	39.5	0.0	59.7

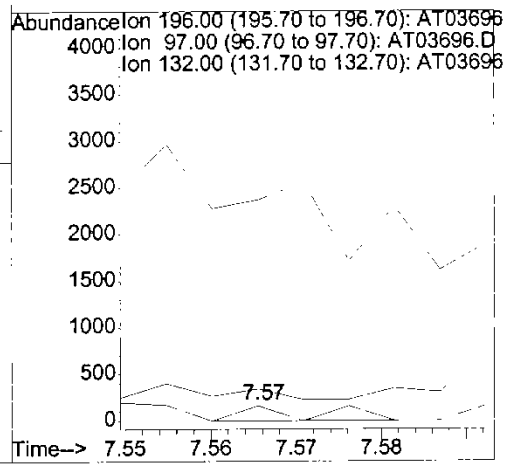


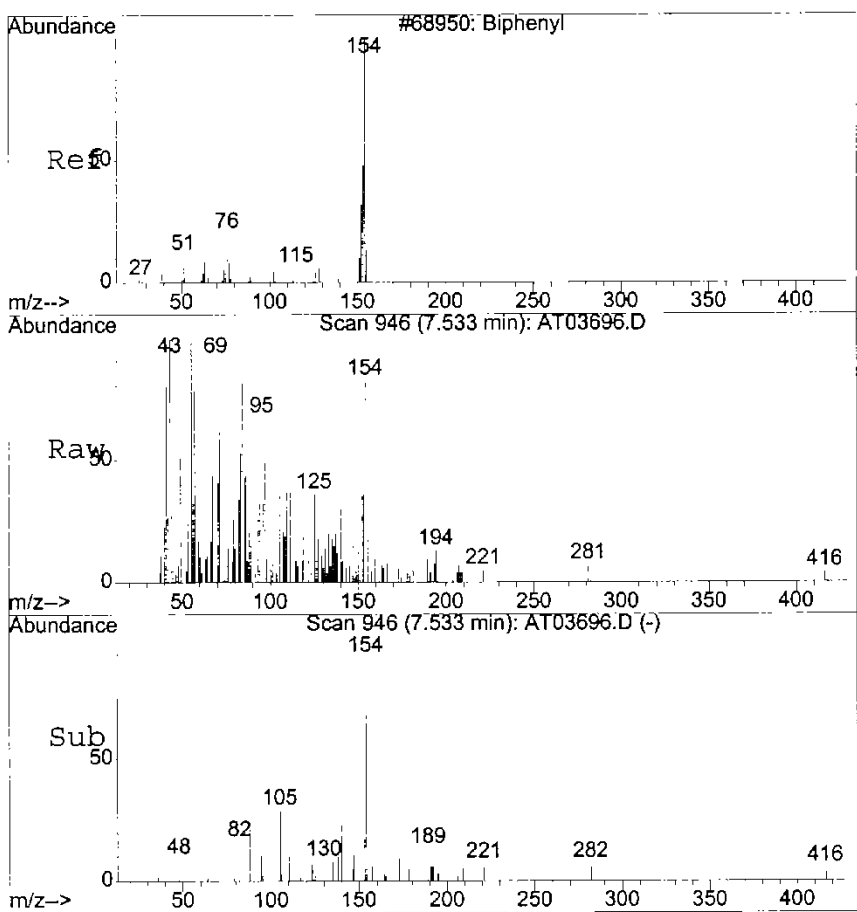


#43
2,4,5-Trichlorophenol
Concen: 33.53 ug/L
RT: 7.57 min Scan# 952
Delta R.T. 0.15 min
Lab File: AT03696.D
Acq: 1 Mar 2005 11:32 am

Tgt Ion:196 Resp: 101

Ion	Ratio	Lower	Upper
196	100		
97	49.4	13.5	73.5
132	22.0	0.0	57.5

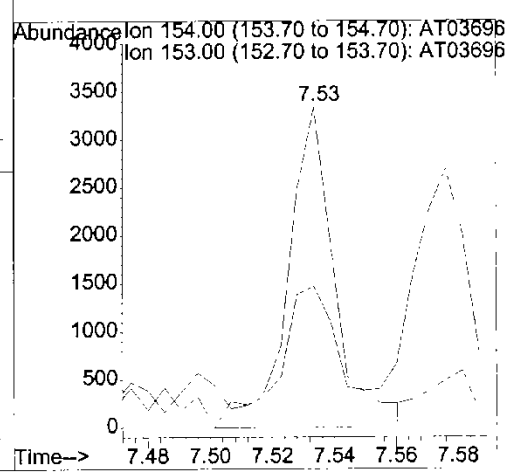




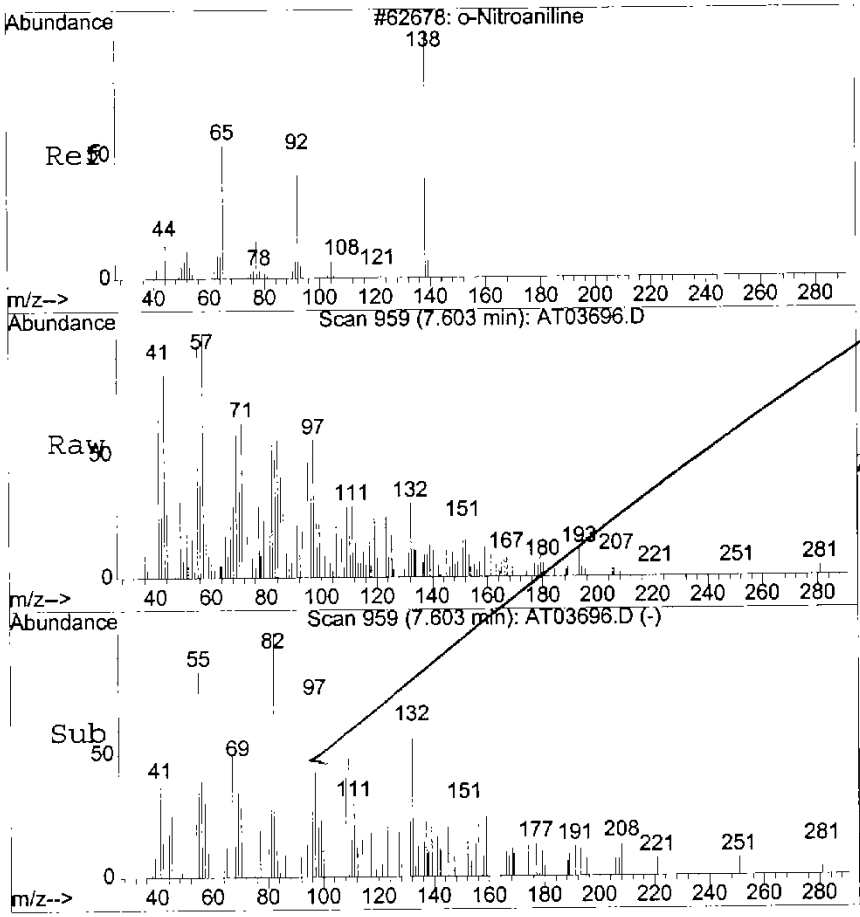
#46
Biphenyl
Concen: 5.56 ul/L
RT: 7.53 min Scan# 946
Delta R.T. -0.01 min
Lab File: AT03696.D
Acq: 1 Mar 2005 11:32 am

Tgt Ion:154 Resp: 3487

Ion	Ratio	Lower	Upper
154	100		
153	39.5	9.4	69.4



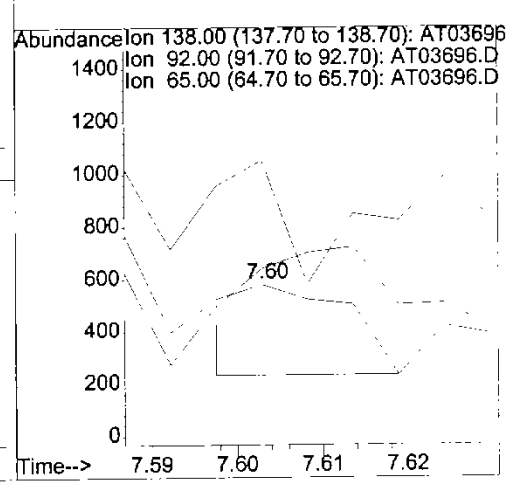
00302

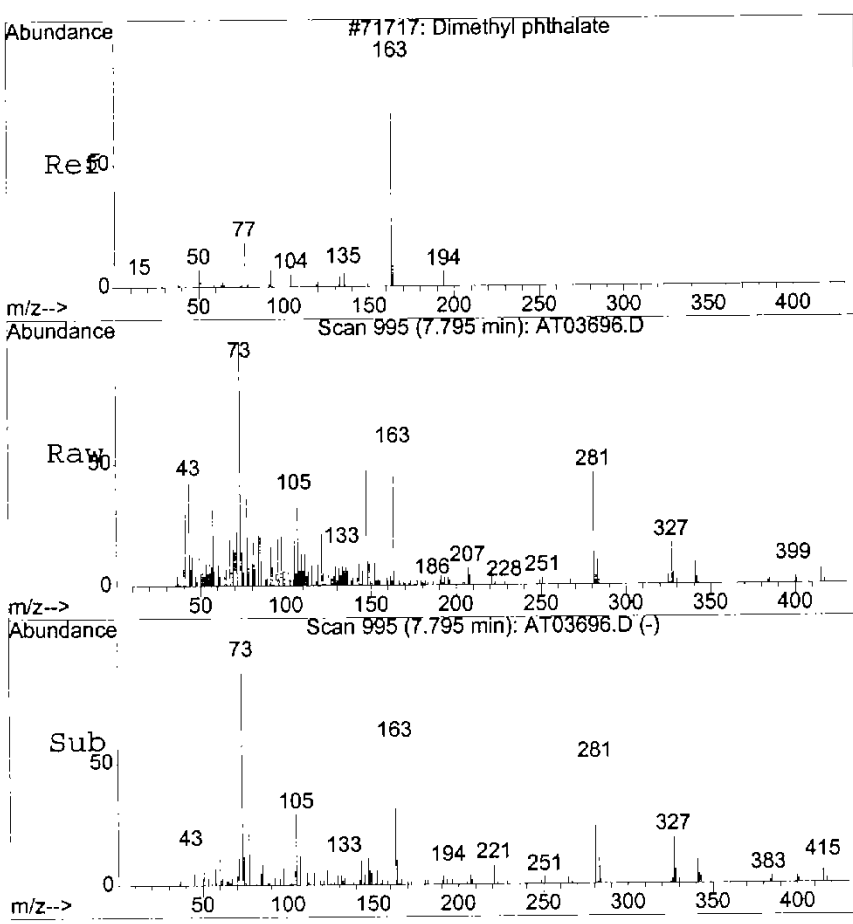


#47
2-Nitroaniline
Concen: 23.43 ug/L
RT: 7.60 min Scan# 959
Delta R.T. -0.04 min
Lab File: AT03696.D
Acq: 1 Mar 2005 11:32 am

Tgt Ion:138 Resp: 292

Ion	Ratio	Lower	Upper
138	100		
92	70.5	17.9	77.9
65	80.7	27.4	87.4

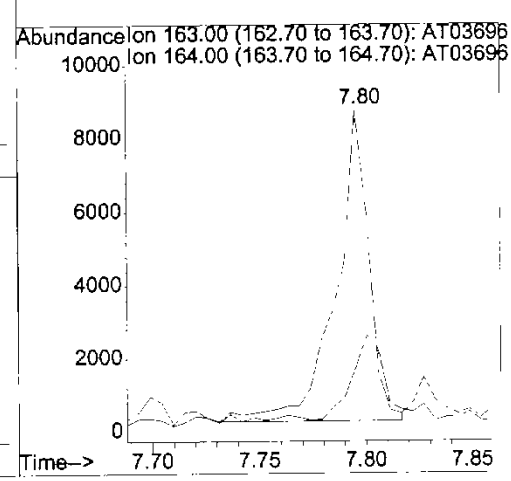


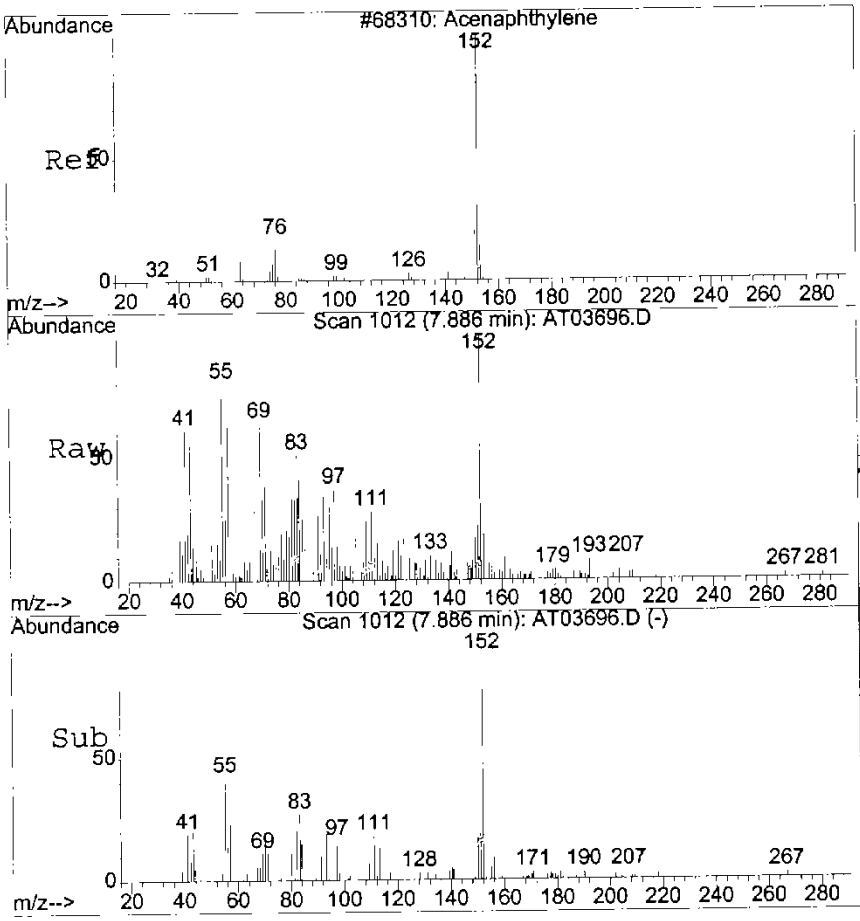


#48
Dimethylphthalate
Concen: 17.38 ug/L
RT: 7.80 min Scan# 995
Delta R.T. 0.00 min
Lab File: AT03696.D
Acq: 1 Mar 2005 11:32 am

Tgt Ion:163 Resp: 9139

Ion	Ratio	Lower	Upper
163	100		
164	15.7	0.0	40.0

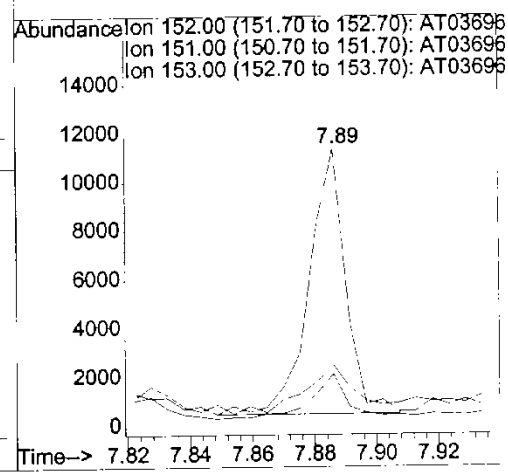


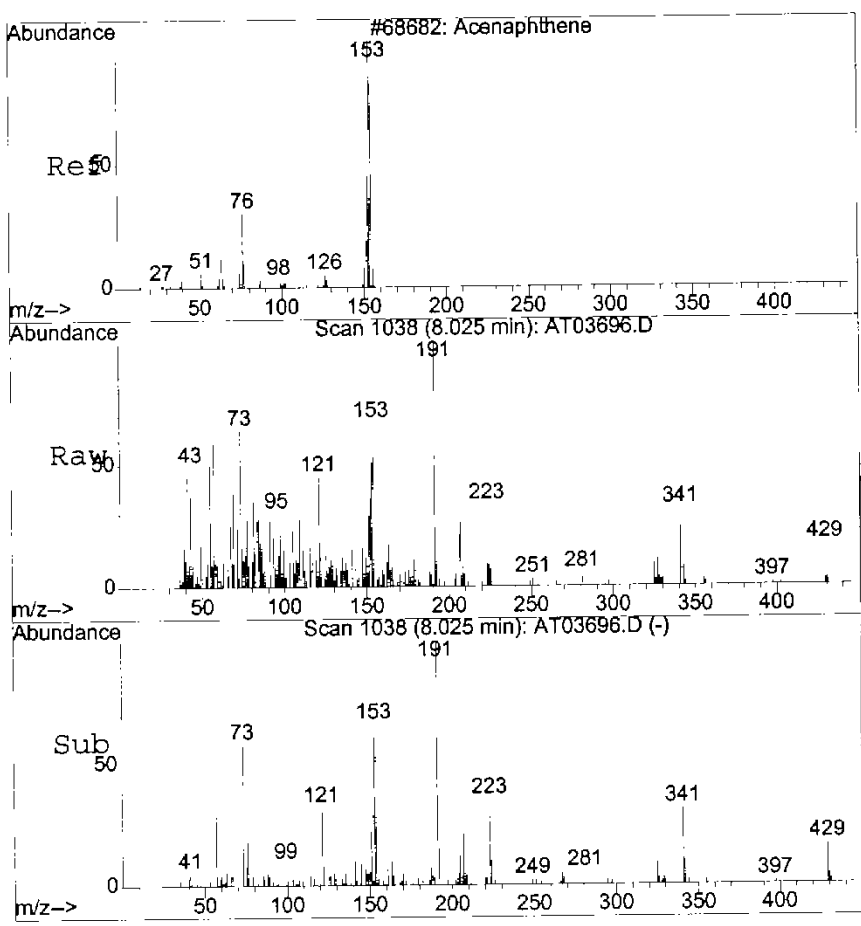


#49
Acenaphthylene
Concen: 11.51 ug/L
RT: 7.89 min Scan# 1012
Delta R.T. -0.00 min
Lab File: AT03696.D
Acq: 1 Mar 2005 11:32 am

Tgt Ion:152 Resp: 8884

Ion	Ratio	Lower	Upper
152	100		
151	14.6	0.0	49.4
153	16.2	0.0	43.0

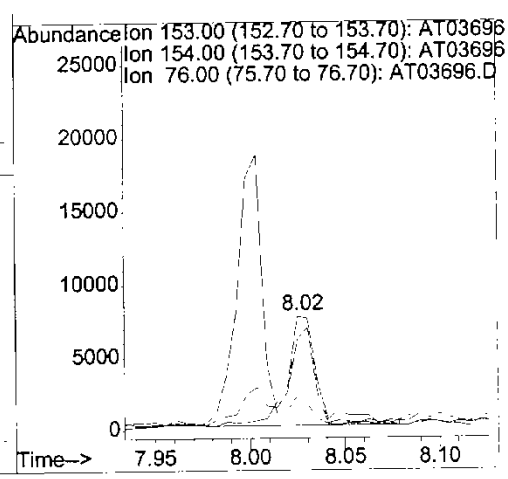


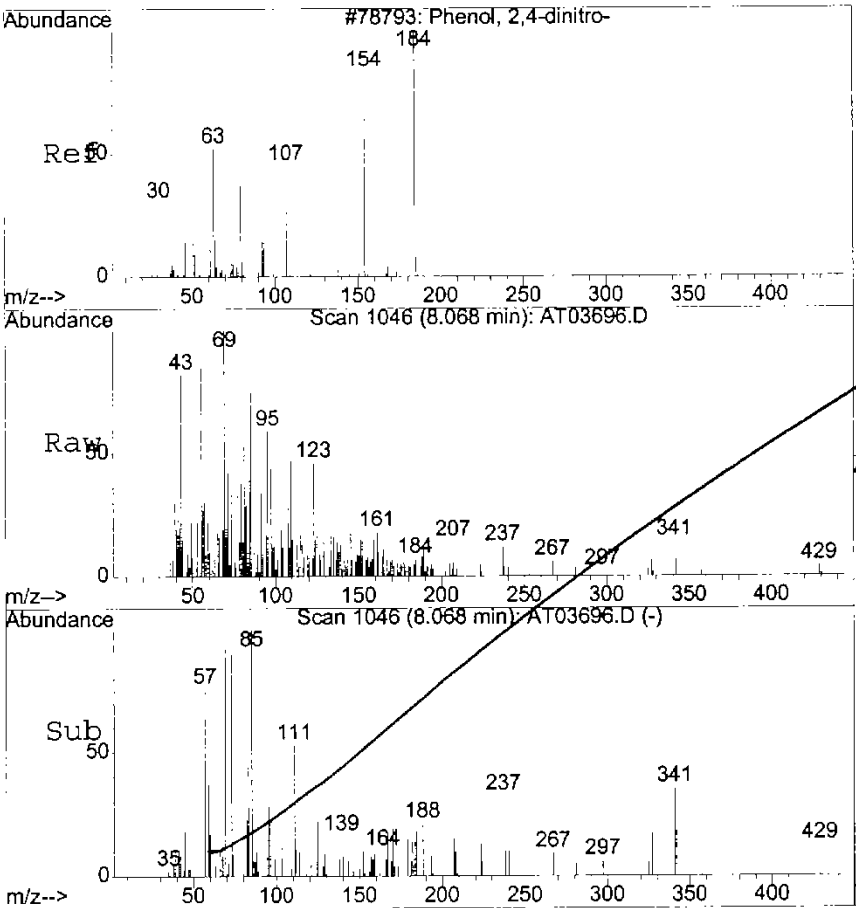


#52
Acenaphthene
Concen: 17.53 ug/L
RT: 8.02 min Scan# 1038
Delta R.T. -0.00 min
Lab File: AT03696.D
Acq: 1 Mar 2005 11:32 am

Tgt Ion:153 Resp: 8907

Ion	Ratio	Lower	Upper
153	100		
154	78.0	53.5	113.5
76	20.2	0.0	50.2

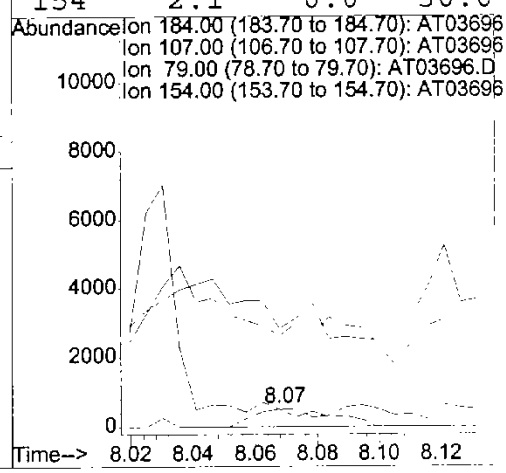


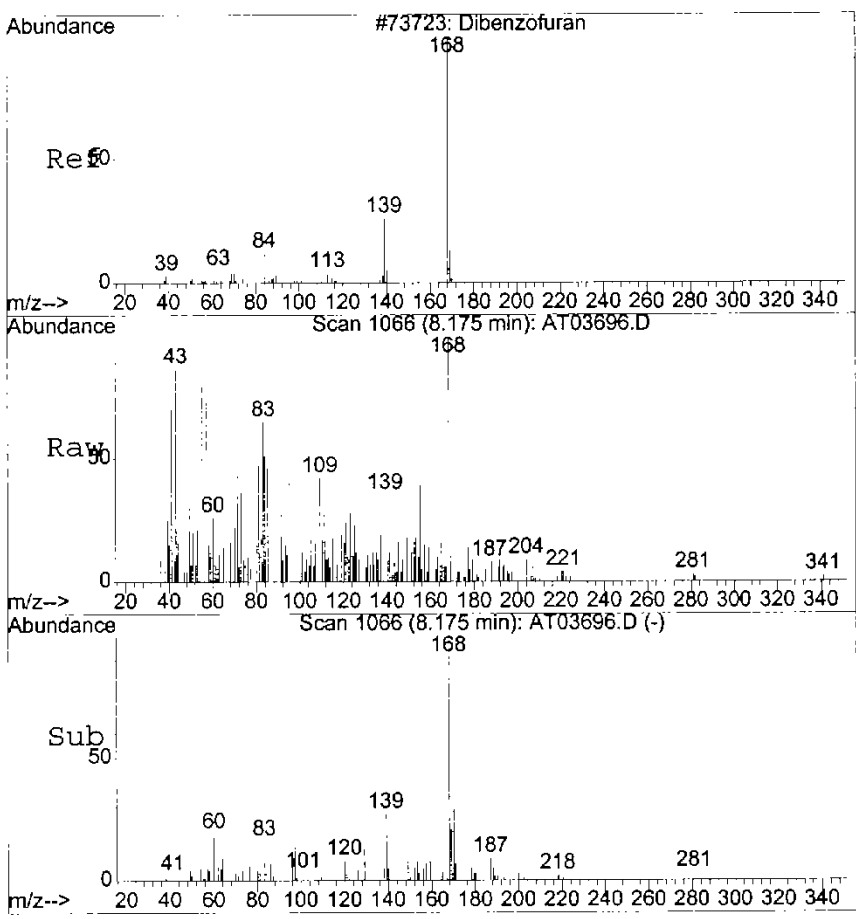


#53
2,4-Dinitrophenol
Concen: 358.03 ug/L
RT: 8.07 min Scan# 1046
Delta R.T. 0.01 min
Lab File: AT03696.D
Acq: 1 Mar 2005 11:32 am

Tgt Ion:184 Resp: 866

Ion	Ratio	Lower	Upper
184	100		
107	0.0	0.0	58.6
79	0.0	0.0	48.2
154	2.1	0.0	30.0

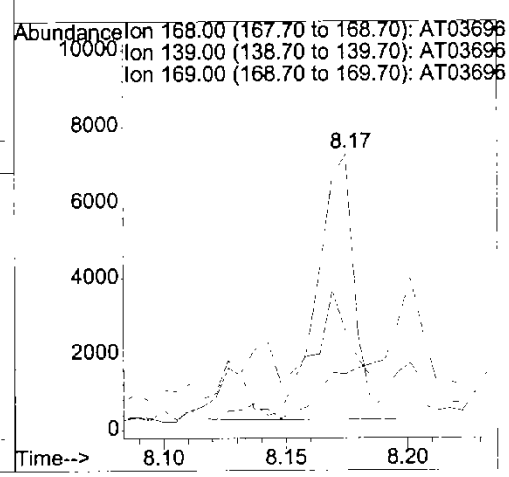


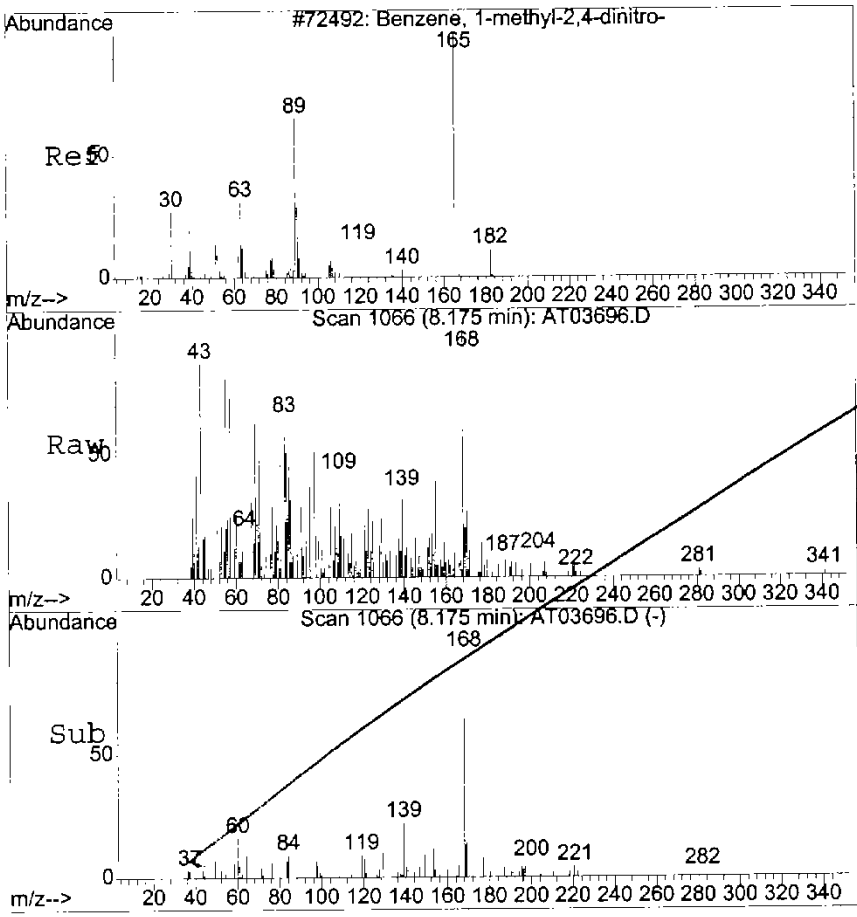


#55
Dibenzofuran
Concen: 11.55 ug/L
RT: 8.17 min Scan# 1066
Delta R.T. 0.00 min
Lab File: AT03696.D
Acq: 1 Mar 2005 11:32 am

Tgt Ion:168 Resp: 7860

Ion	Ratio	Lower	Upper
168	100		
139	19.1	0.6	60.6
169	0.0	0.0	42.8

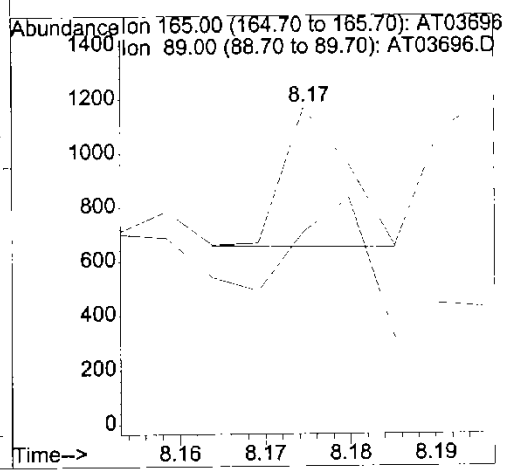


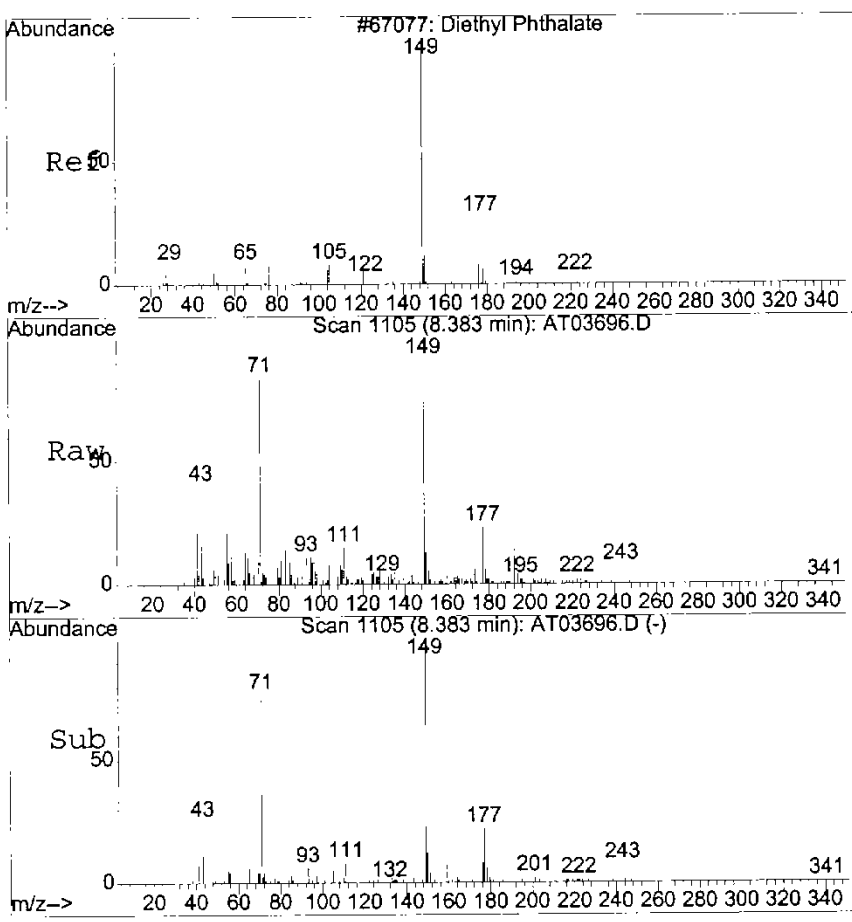


#56
2,4-Dinitrotoluene
Concen: 32.79 ug/L
RT: 8.17 min Scan# 1066
Delta R.T. 0.01 min
Lab File: AT03696.D
Acq: 1 Mar 2005 11:32 am

Tgt Ion:165 Resp: 266

Ion	Ratio	Lower	Upper
165	100		
89	55.1	22.1	82.1

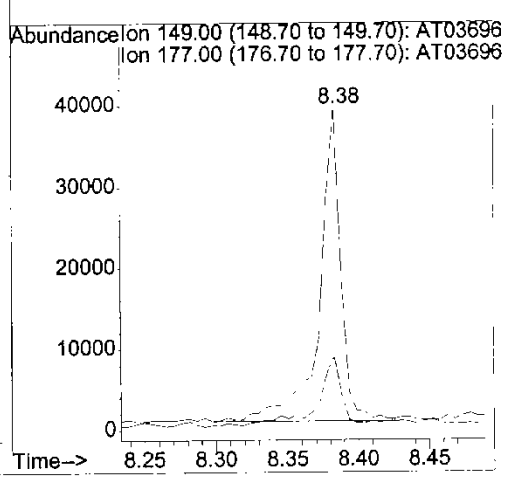


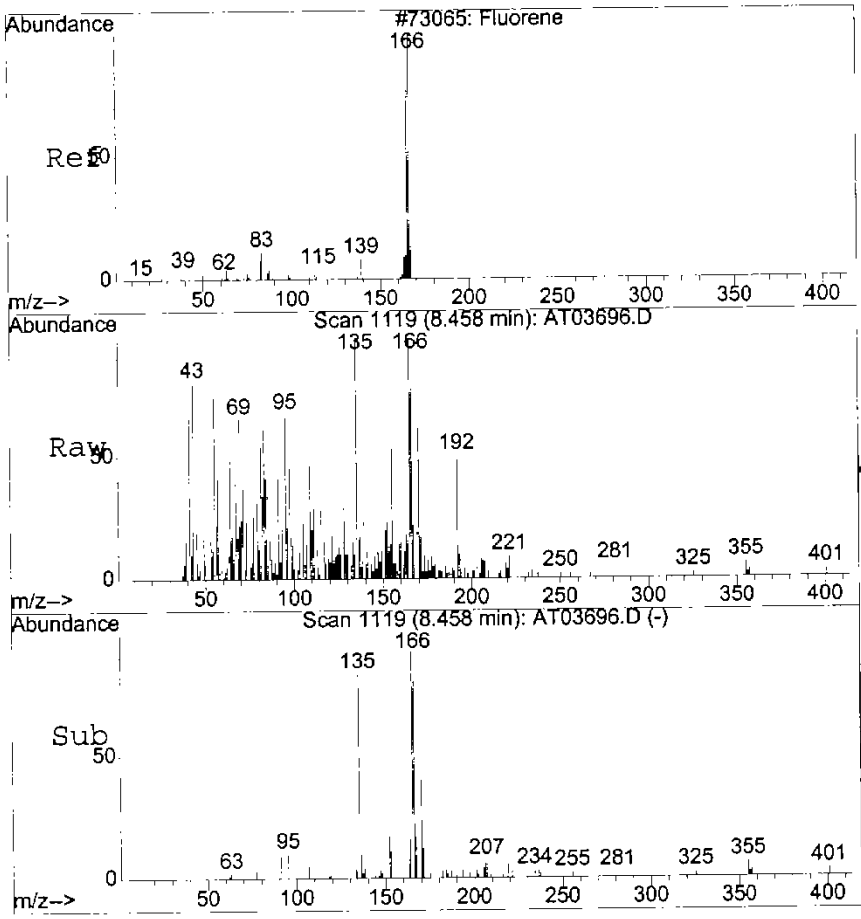


#59
Diethylphthalate
Concen: 73.26 ug/L
RT: 8.38 min Scan# 1105
Delta R.T. 0.01 min
Lab File: AT03696.D
Acq: 1 Mar 2005 11:32 am

Tgt Ion:149 Resp: 40735

Ion	Ratio	Lower	Upper
149	100		
177	21.8	0.0	53.1

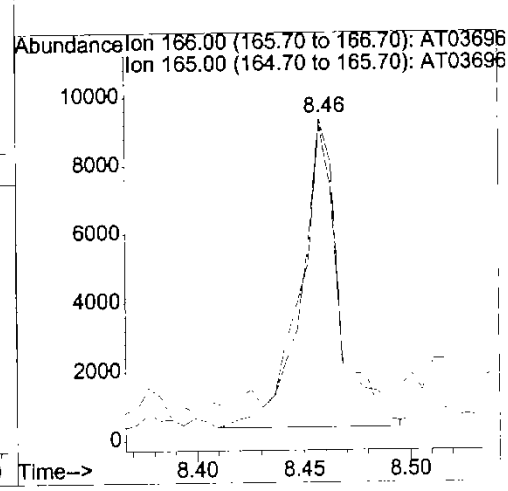


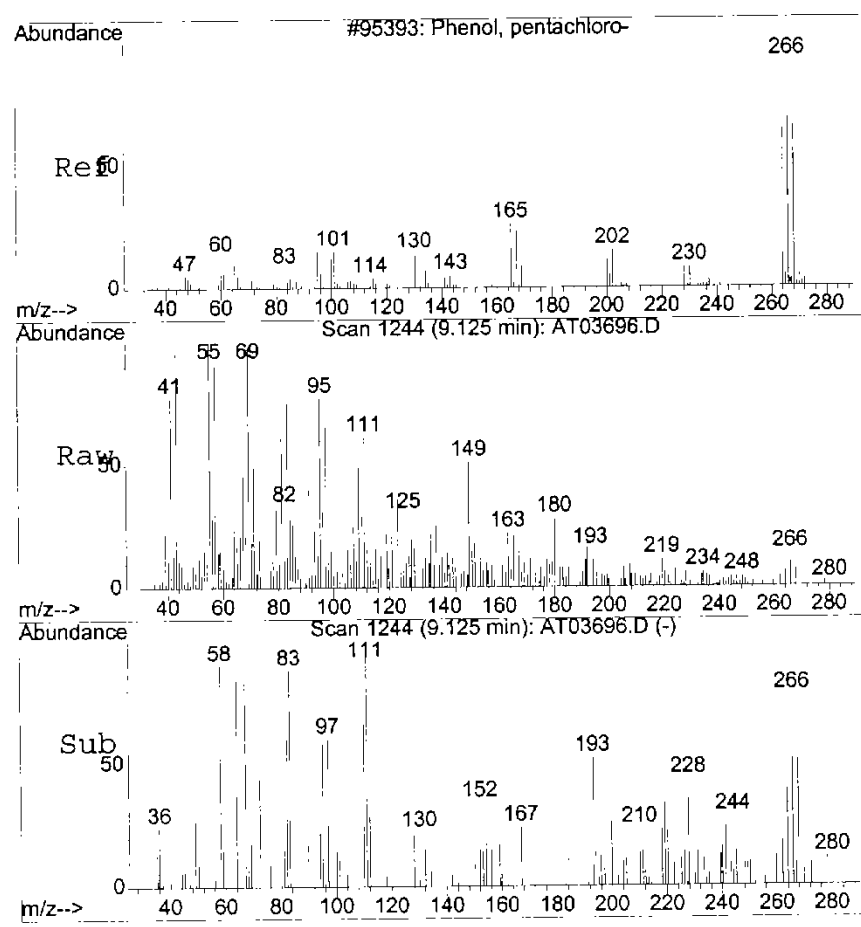


#60
Fluorene
Concen: 21.39 ug/L
RT: 8.46 min Scan# 1119
Delta R.T. -0.00 min
Lab File: AT03696.D
Acq: 1 Mar 2005 11:32 am

Tgt Ion:166 Resp: 11205

Ion	Ratio	Lower	Upper
166	100		
165	89.1	65.1	125.1

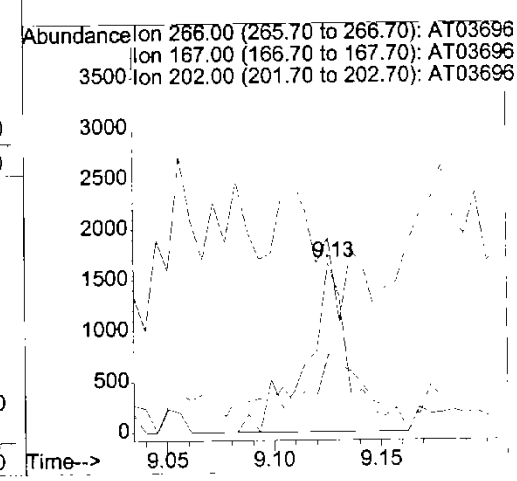


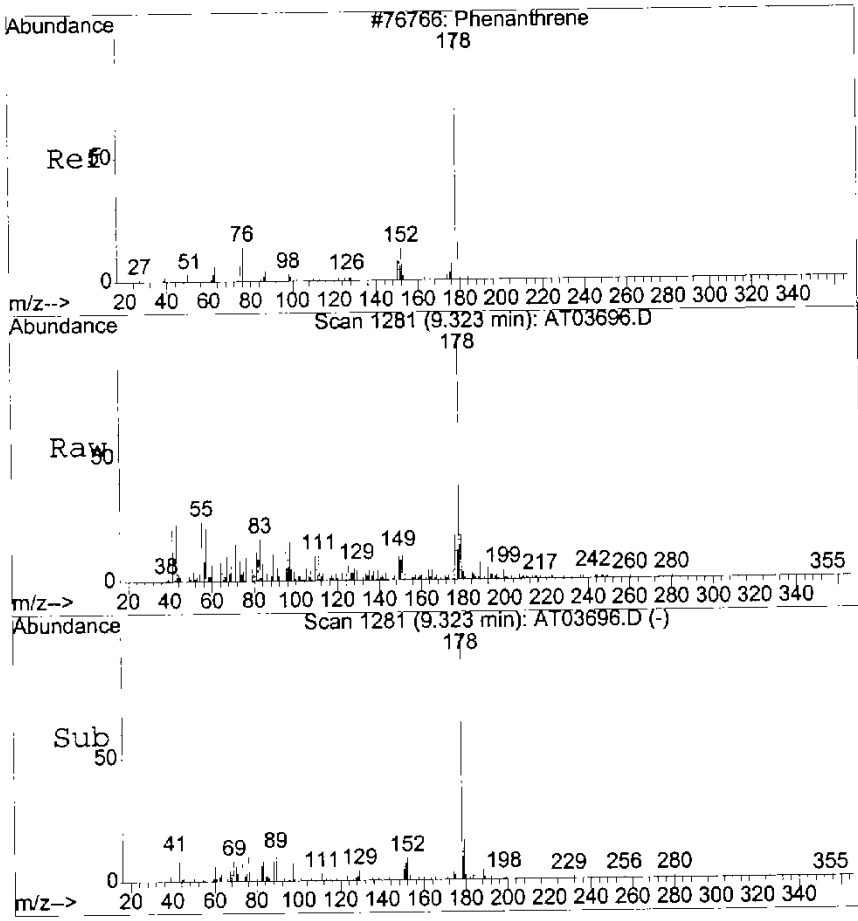


#70
Pentachlorophenol
Concen: 24.69 ug/L
RT: 9.13 min Scan# 1244
Delta R.T. 0.00 min
Lab File: AT03696.D
Acq: 1 Mar 2005 11:32 am

Tgt Ion:266 Resp: 2278

Ion	Ratio	Lower	Upper
266	100		
167	3.1	2.3	62.3
202	33.2	0.0	49.2

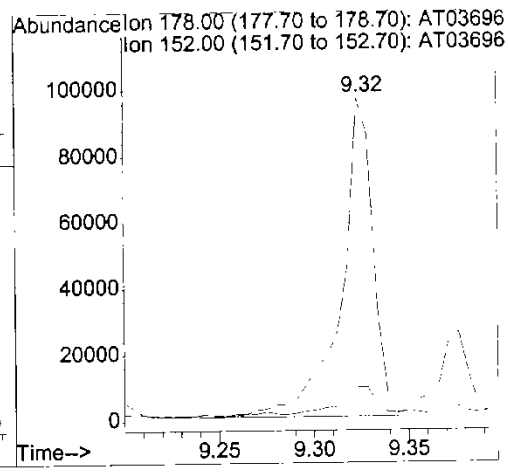


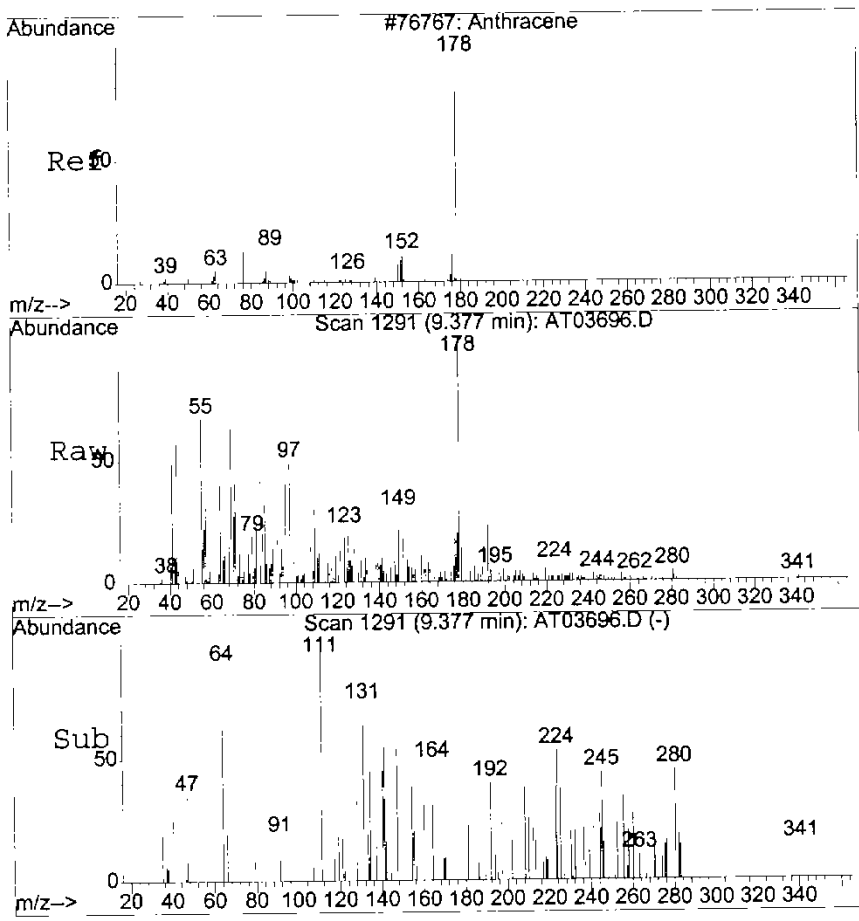


#71
Phenanthrene
Concen: 136.73 ug/L
RT: 9.32 min Scan# 1281
Delta R.T. -0.01 min
Lab File: AT03696.D
Acq: 1 Mar 2005 11:32 am

Tgt Ion:178 Resp: 114016

Ion	Ratio	Lower	Upper
178	100		
152	8.4	0.0	38.6

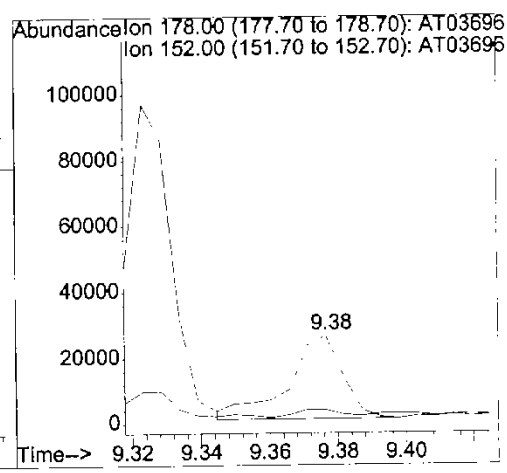


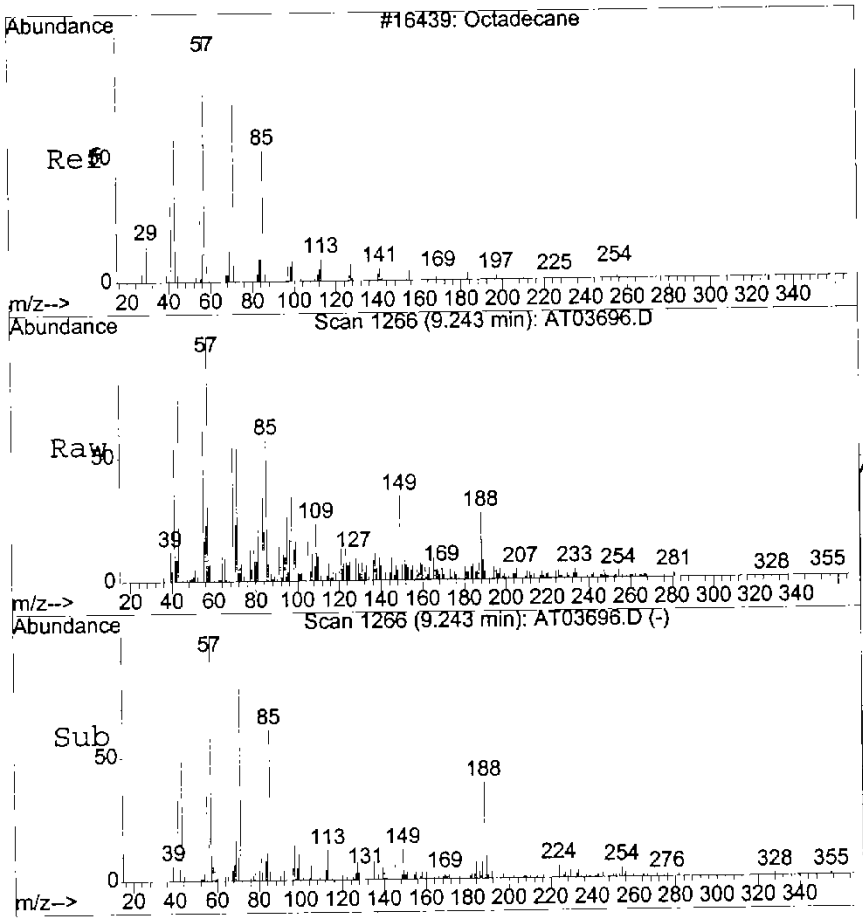


#72
Anthracene
Concen: 37.17 ug/L
RT: 9.38 min Scan# 1291
Delta R.T. 0.00 min
Lab File: AT03696.D
Acq: 1 Mar 2005 11:32 am

Tgt Ion:178 Resp: 28108

Ion	Ratio	Lower	Upper
178	100		
152	5.7	0.0	37.1

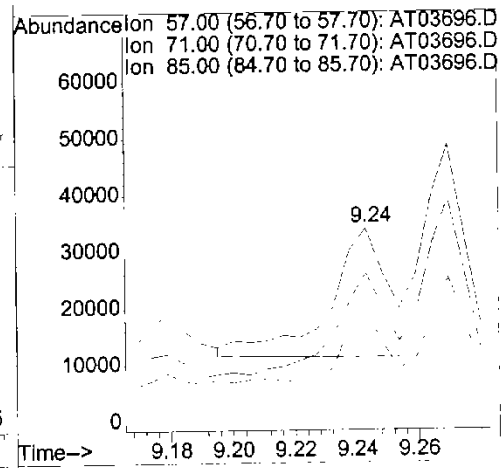


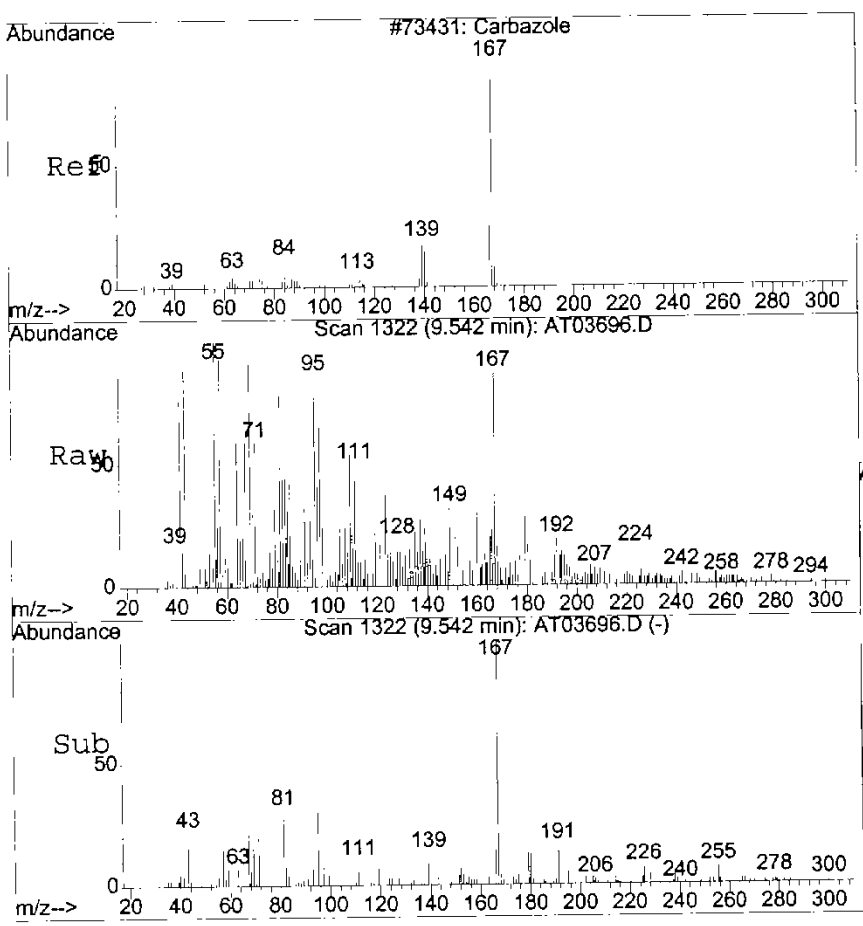


#73
Octadecane
Concen: 123.27 ul/L
RT: 9.24 min Scan# 1266
Delta R.T. 0.00 min
Lab File: AT03696.D
Acq: 1 Mar 2005 11:32 am

Tgt Ion: 57 Resp: 29830

Ion	Ratio	Lower	Upper
57	100		
71	77.4	51.7	96.1
85	38.0	37.4	69.4

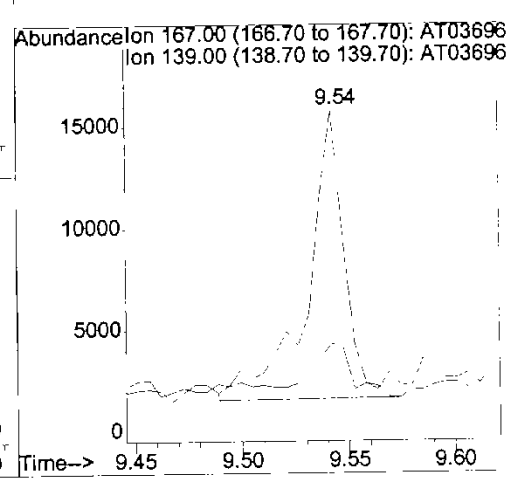


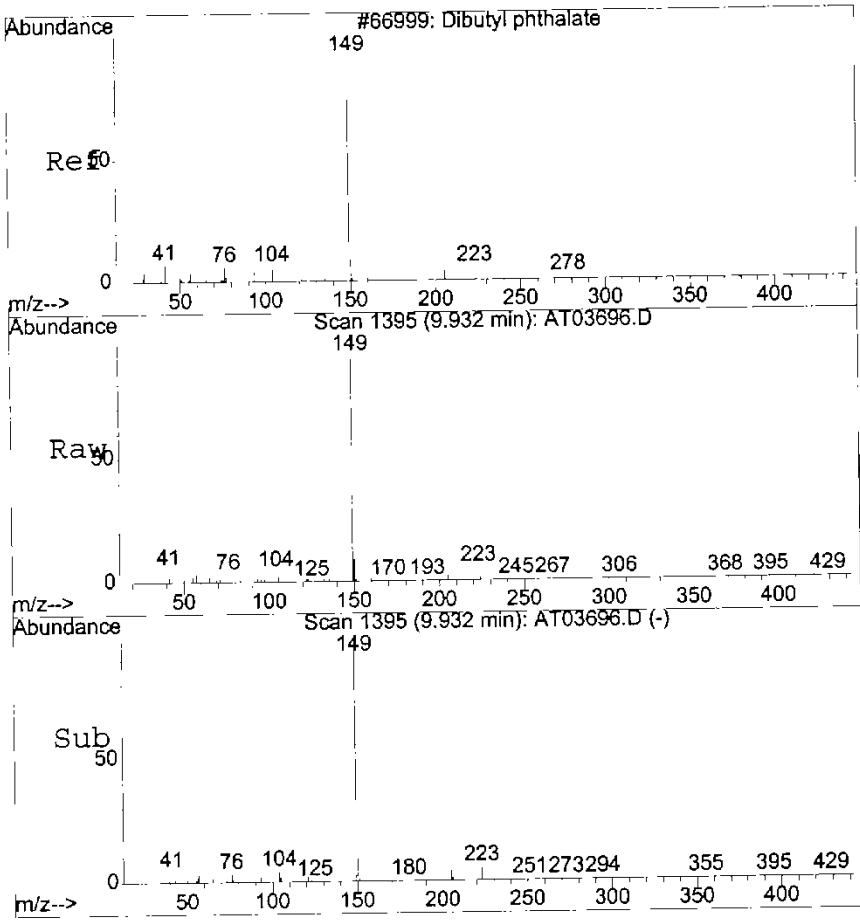


#74
Carbazole
Concen: 33.28 ug/L
RT: 9.54 min Scan# 1322
Delta R.T. 0.00 min
Lab File: AT03696.D
Acq: 1 Mar 2005 11:32 am

Tgt Ion:167 Resp: 17039

Ion	Ratio	Lower	Upper
167	100		
139	14.4	0.0	42.1

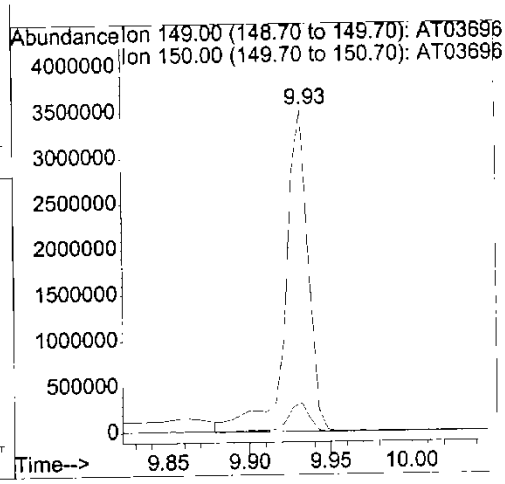


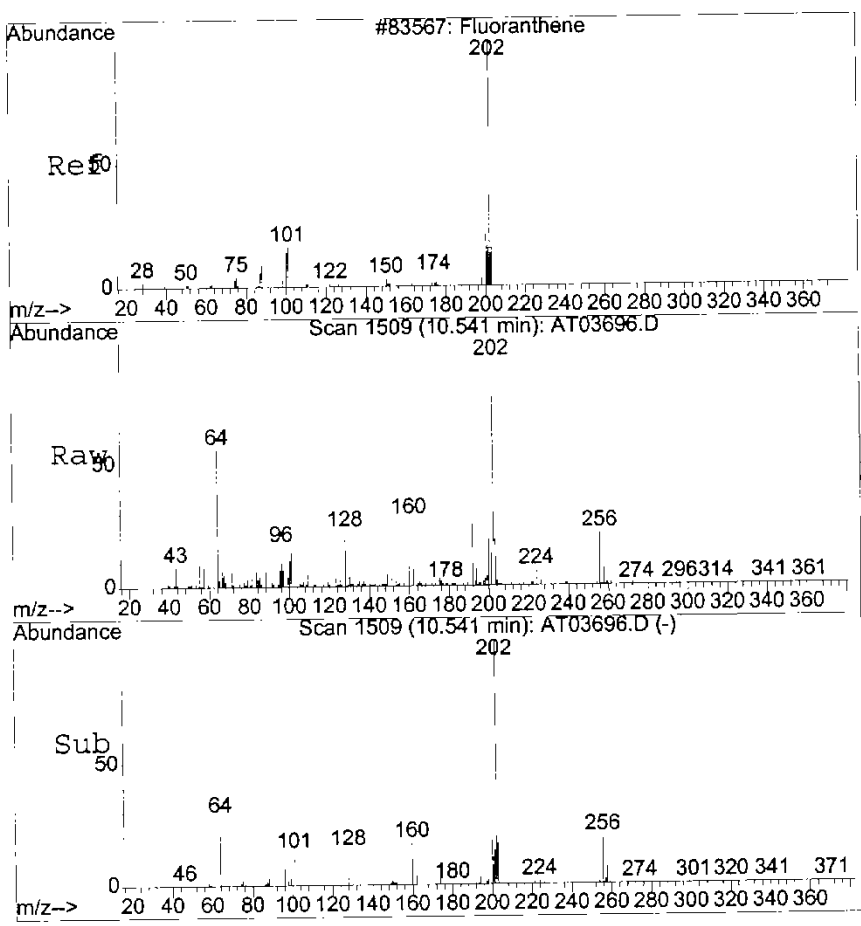


#75
Di-n-butylphthalate
Concen: 3817.88 ug/L
RT: 9.93 min Scan# 1395
Delta R.T. 0.00 min
Lab File: AT03696.D
Acq: 1 Mar 2005 11:32 am

Tgt Ion:149 Resp: 3422126

Ion	Ratio	Lower	Upper
149	100		
150	9.0	0.0	38.8

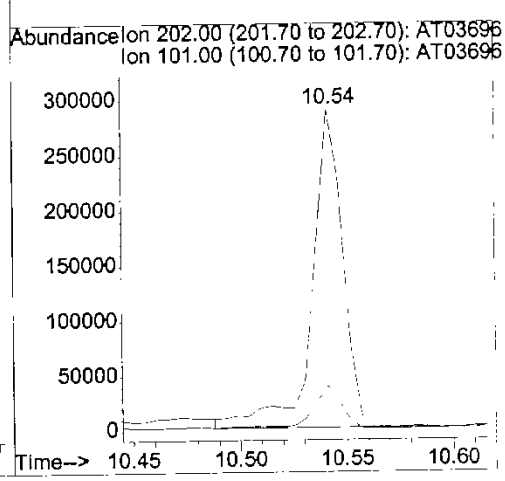


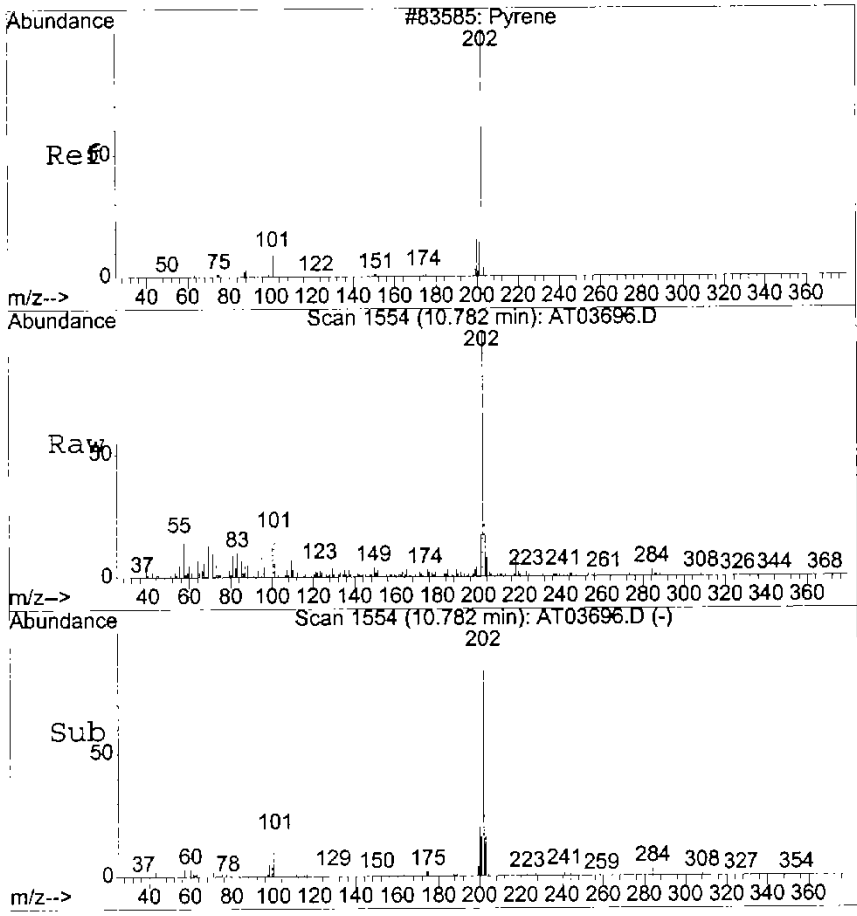


#76
Fluoranthene
Concen: 344.08 ug/L
RT: 10.54 min Scan# 1509
Delta R.T. 0.00 min
Lab File: AT03696.D
Acq: 1 Mar 2005 11:32 am

Tgt Ion:202 Resp: 292834

Ion	Ratio	Lower	Upper
202	100		
101	13.6	0.0	43.1

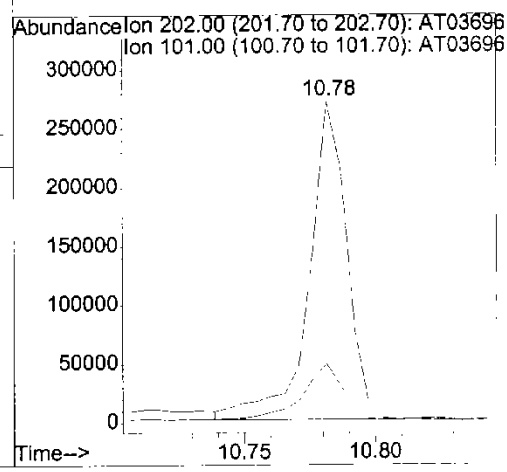


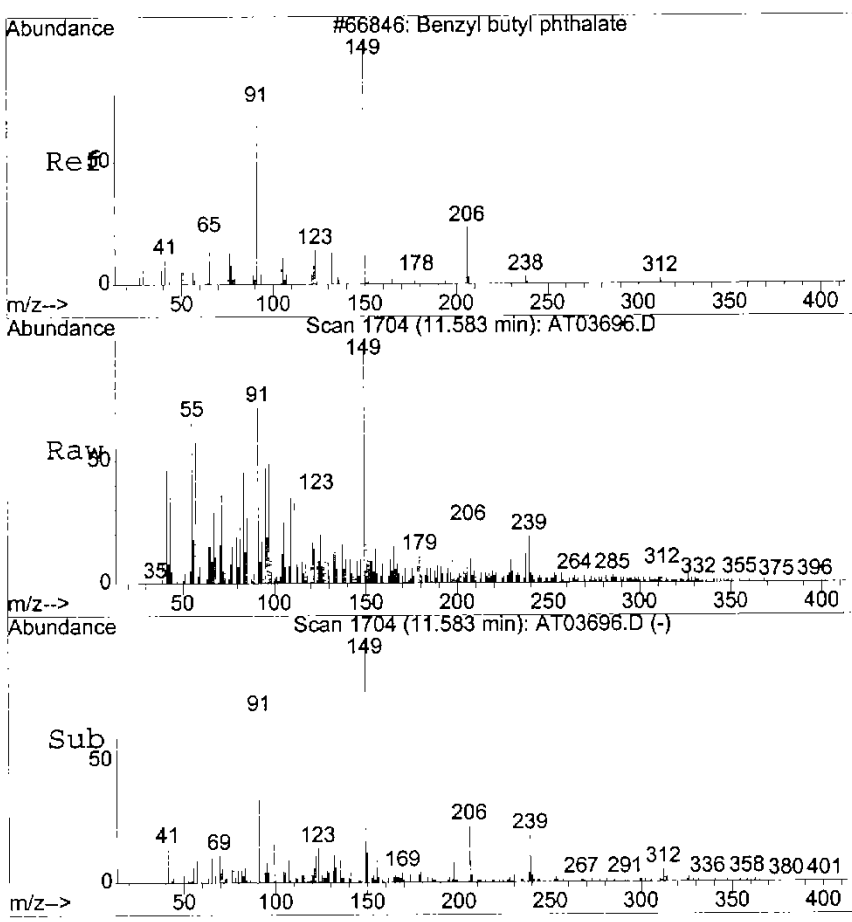


#77
Pyrene
Concen: 307.01 ug/L
RT: 10.78 min Scan# 1554
Delta R.T. -0.01 min
Lab File: AT03696.D
Acq: 1 Mar 2005 11:32 am

Tgt Ion:202 Resp: 271009

Ion	Ratio	Lower	Upper
202	100		
101	17.7	0.0	44.9

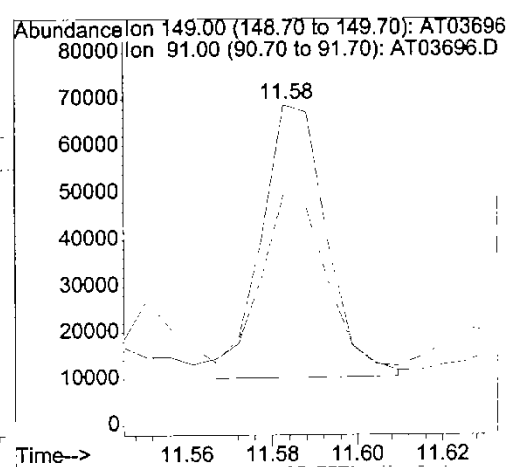


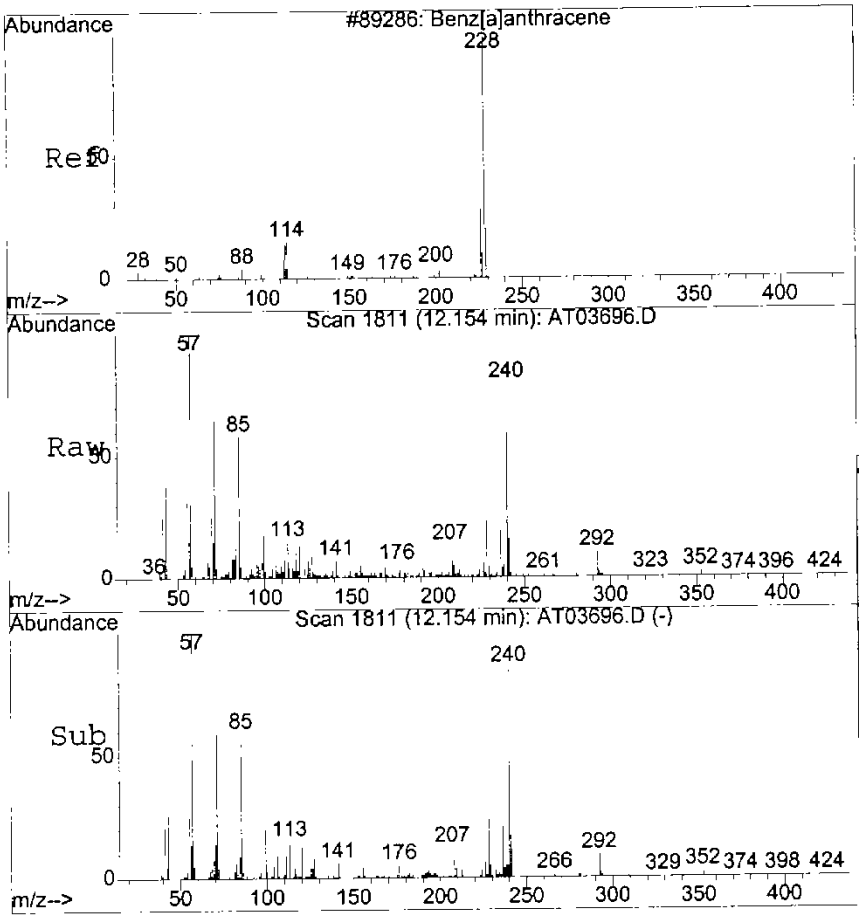


#81
Butylbenzylphthalate
Concen: 241.68 ug/L
RT: 11.58 min Scan# 1704
Delta R.T. 0.00 min
Lab File: AT03696.D
Acq: 1 Mar 2005 11:32 am

Tgt Ion:149 Resp: 61693

Ion	Ratio	Lower	Upper
149	100		
91	64.8	30.6	90.6

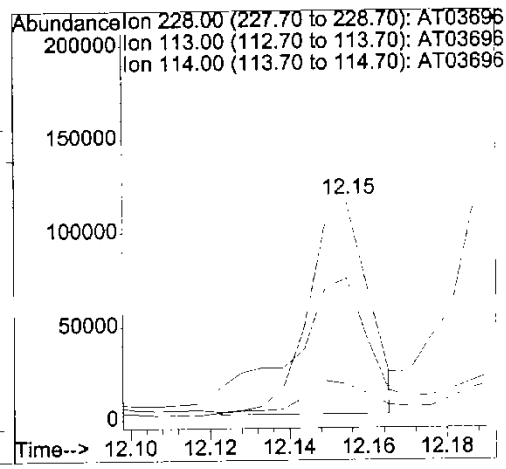


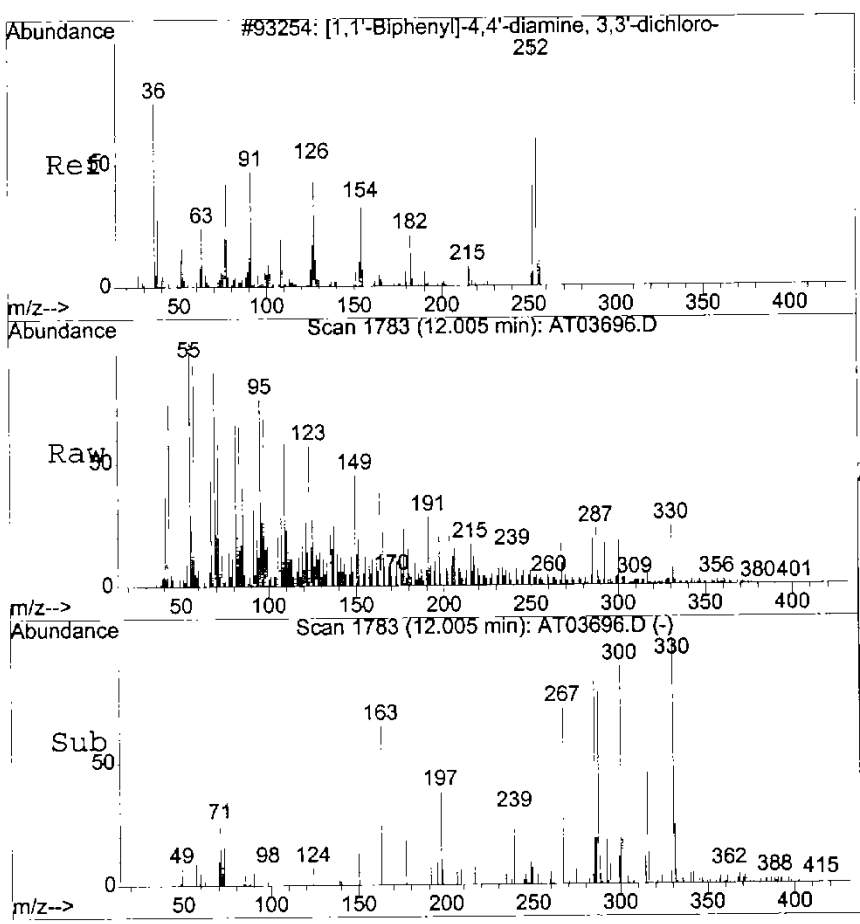


#82
Benzo(a)anthracene
Concen: 167.10 ug/L m
RT: 12.15 min Scan# 1811
Delta R.T. 0.00 min
Lab File: AT03696.D
Acq: 1 Mar 2005 11:32 am

Tgt Ion:228 Resp: 119413

Ion	Ratio	Lower	Upper
228	100		
113	64.6	0.0	41.1#
114	16.3	0.0	42.7

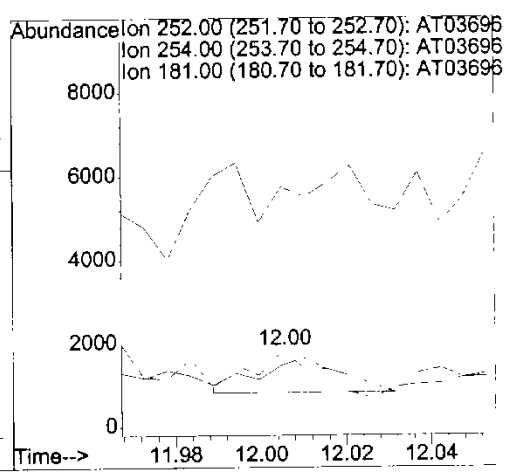


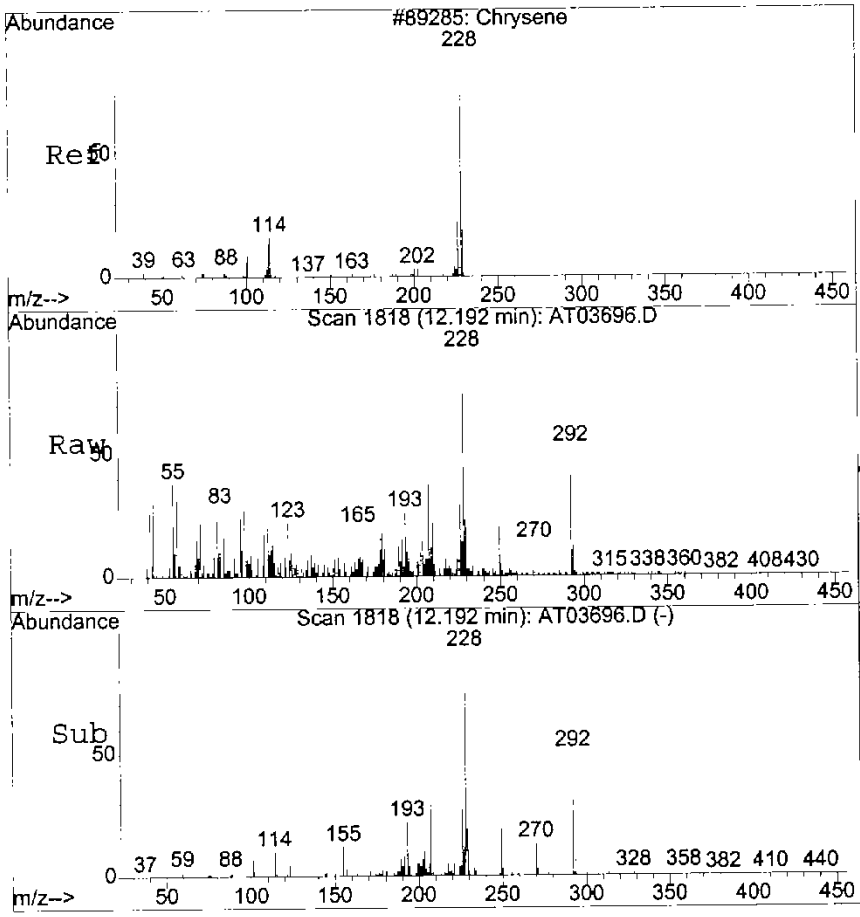


#83
3,3'-Dichlorobenzidine
Concen: 33.33 ug/L
RT: 12.00 min Scan# 1783
Delta R.T. -0.15 min
Lab File: AT03696.D
Acq: 1 Mar 2005 11:32 am

Tgt Ion:252 Resp: 1221

Ion	Ratio	Lower	Upper
252	100		
254	53.8	33.6	93.6
181	15.6	0.0	38.3

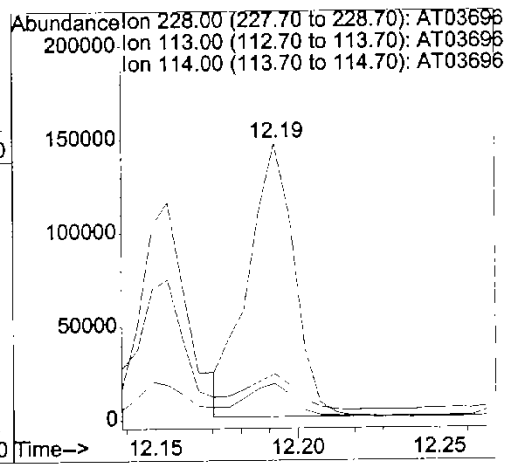


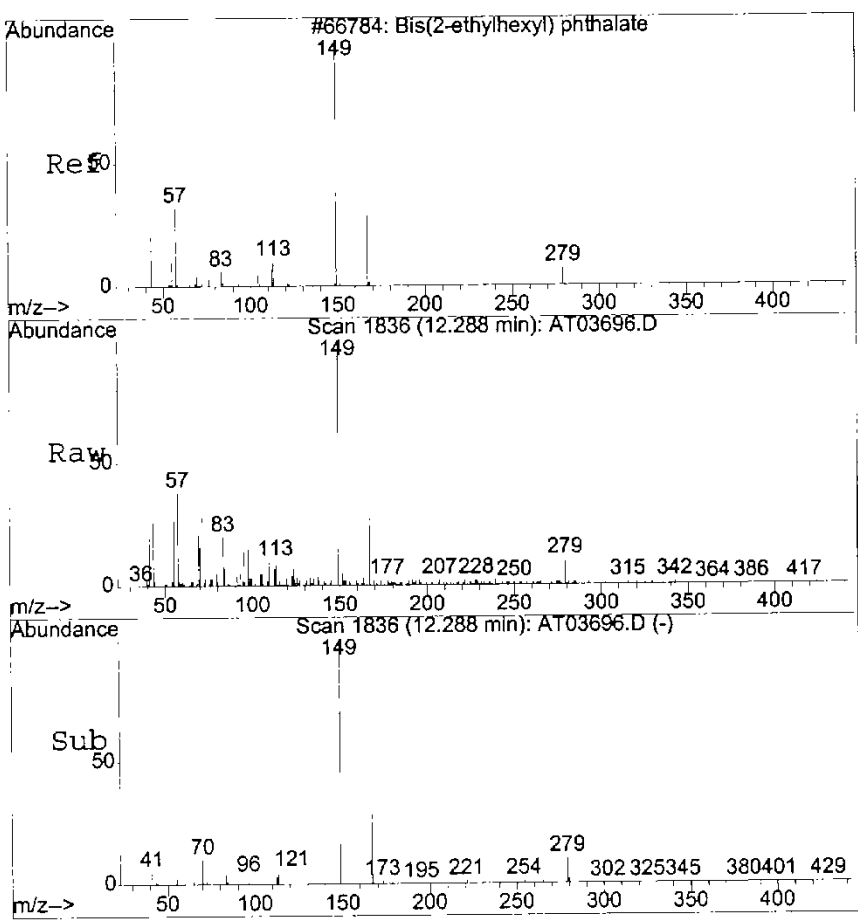


#84
Chrysene
Concen: 219.71 ug/L
RT: 12.19 min Scan# 1818
Delta R.T. 0.00 min
Lab File: AT03696.D
Acq: 1 Mar 2005 11:32 am

Tgt Ion:228 Resp: 163652

Ion	Ratio	Lower	Upper
228	100		
113	11.8	0.0	42.9
114	11.2	0.0	41.2

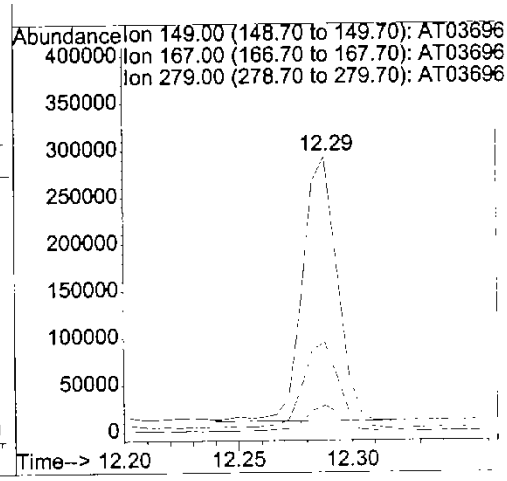


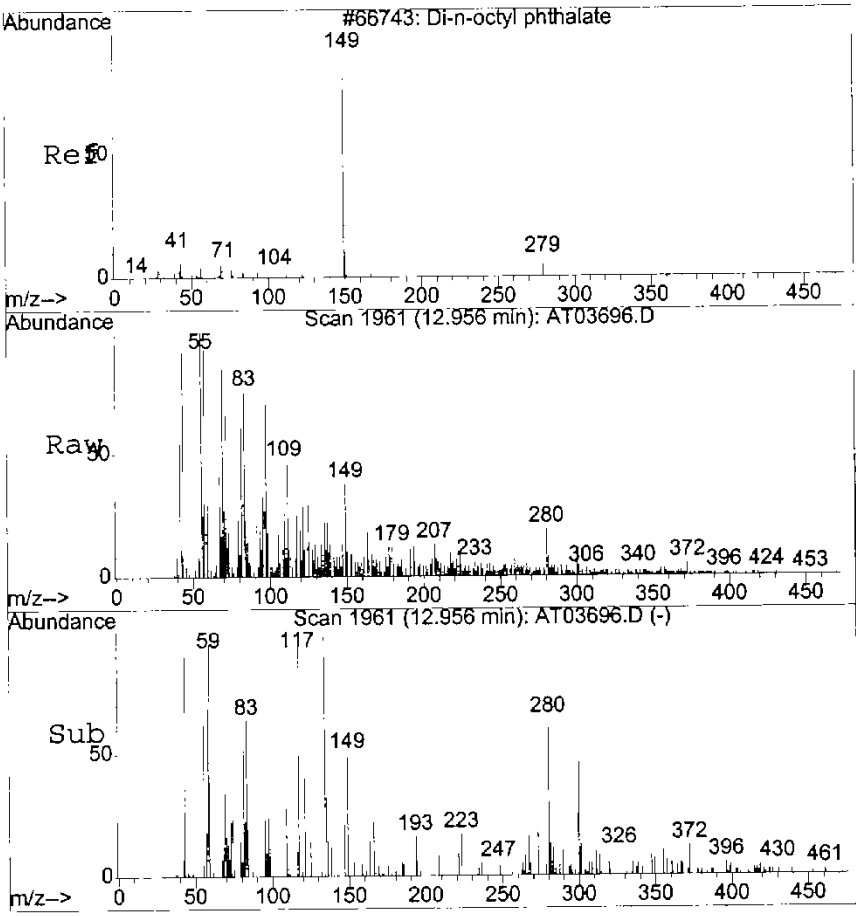


#85
bis(2-Ethylhexyl)phthalate
Concen: 642.39 ug/L
RT: 12.29 min Scan# 1836
Delta R.T. 0.00 min
Lab File: AT03696.D
Acq: 1 Mar 2005 11:32 am

Tgt Ion:149 Resp: 296490

Ion	Ratio	Lower	Upper
149	100		
167	32.0	2.4	62.4
279	9.6	0.0	39.8

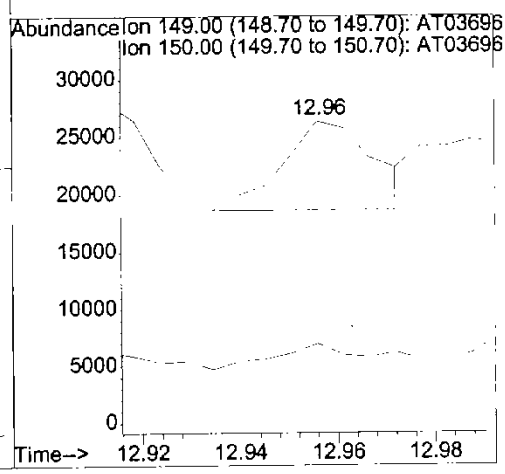


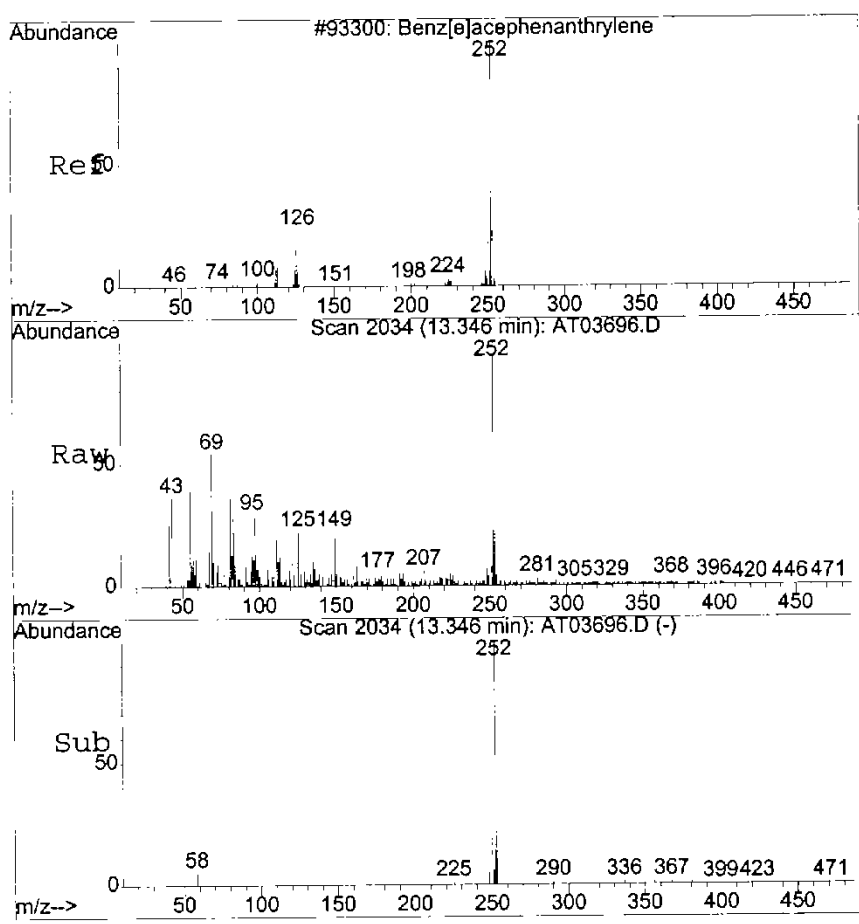


#87
Di-n-octylphthalate
Concen: 12.79 ug/L
RT: 12.96 min Scan# 1961
Delta R.T. 0.01 min
Lab File: AT03696.D
Acq: 1 Mar 2005 11:32 am

Tgt Ion:149 Resp: 10094

Ion	Ratio	Lower	Upper
149	100		
150	25.6	0.0	39.5

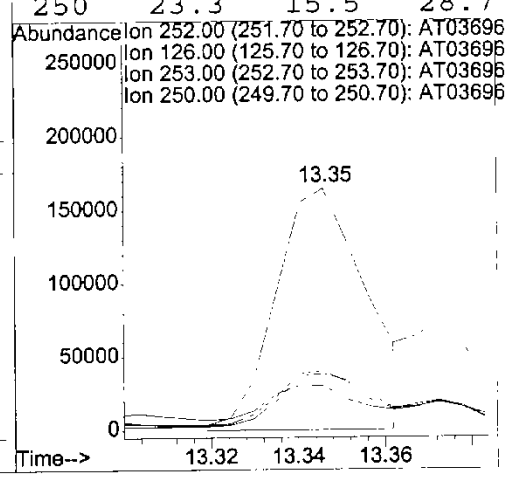


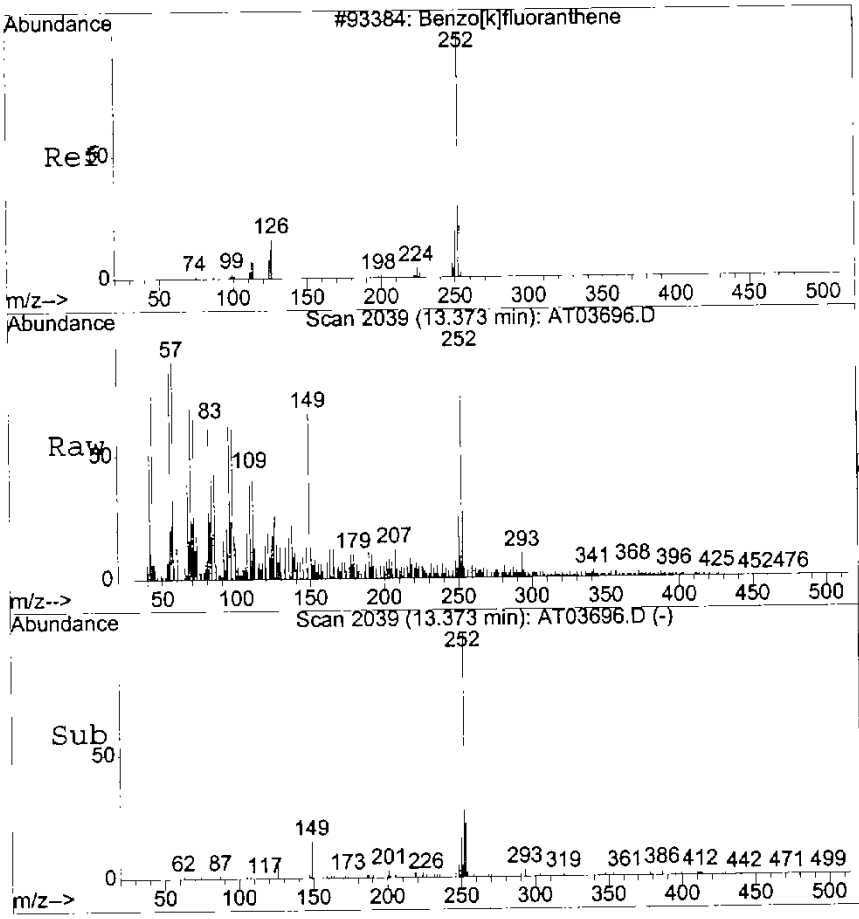


#88
Benzo(b)fluoranthene
Concen: 276.59 ul/l m
RT: 13.35 min Scan# 2034
Delta R.T. 0.01 min
Lab File: AT03696.D
Acq: 1 Mar 2005 11:32 am

Tgt Ion:252 Resp: 235843

Ion	Ratio	Lower	Upper
252	100		
126	18.3	11.5	21.5
253	24.3	15.2	28.2
250	23.3	15.5	28.7

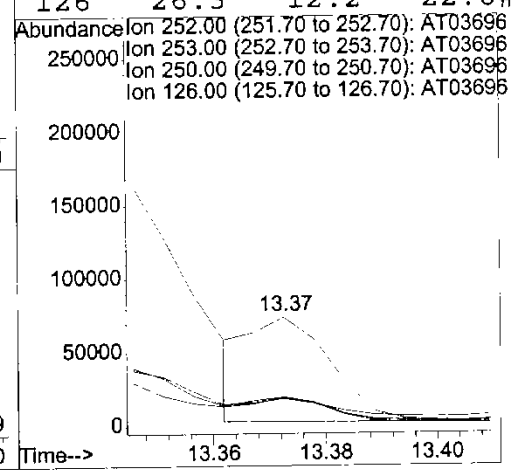


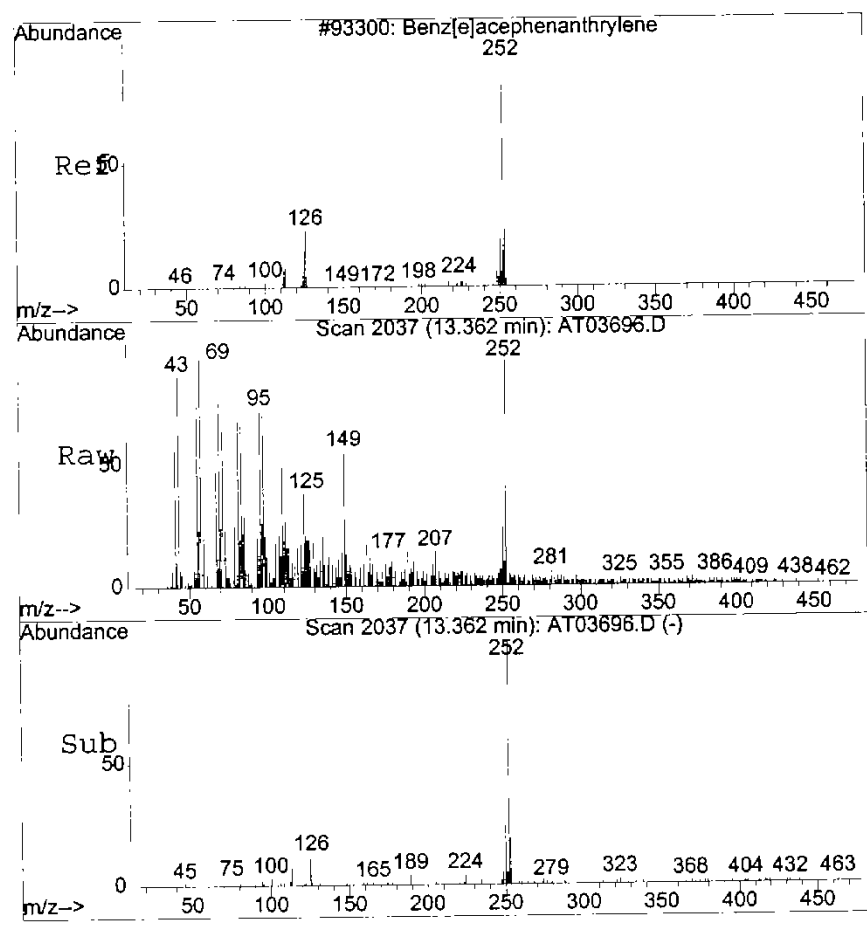


#89
benzo(k)fluoranthene
Concen: 92.52 ul/l m
RT: 13.37 min Scan# 2039
Delta R.T. 0.00 min
Lab File: AT03696.D
Acq: 1 Mar 2005 11:32 am

Tgt Ion:252 Resp: 72316

Ion	Ratio	Lower	Upper
252	100		
253	26.7	15.3	28.5
250	25.1	15.5	28.9
126	26.3	12.2	22.6#

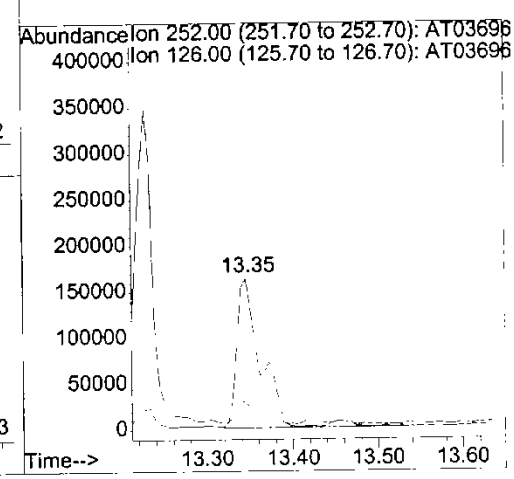


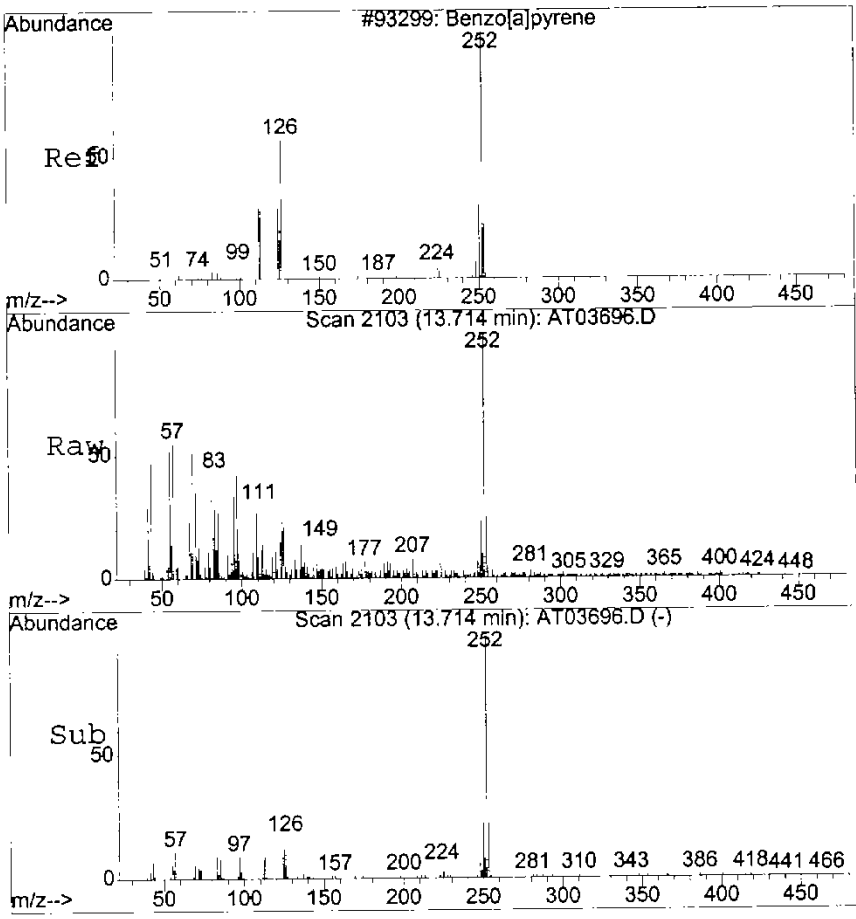


#90
Benzofluoranthenes
Concen: 423.56 ug/L
RT: 13.36 min Scan# 2037
Delta R.T. 0.00 min
Lab File: AT03696.D
Acq: 1 Mar 2005 11:32 am

Tgt Ion:252 Resp: 335363

Ion	Ratio	Lower	Upper
252	100		
126	11.4	0.0	47.4

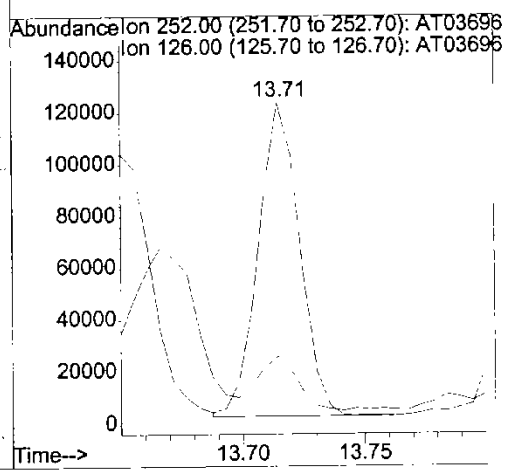


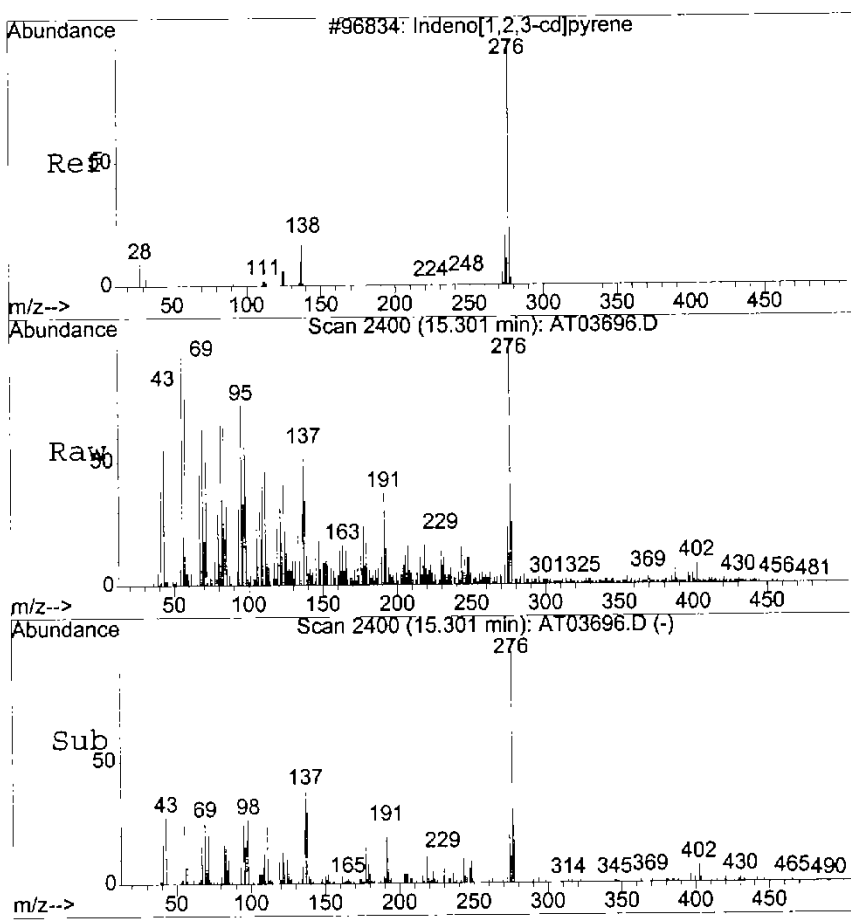


#91
Benzo(a)pyrene
Concen: 208.10 ug/L
RT: 13.72 min Scan# 2103
Delta R.T. 0.00 min
Lab File: AT03696.D
Acq: 1 Mar 2005 11:32 am

Tgt Ion:252 Resp: 141271

Ion	Ratio	Lower	Upper
252	100		
126	11.8	0.0	45.3

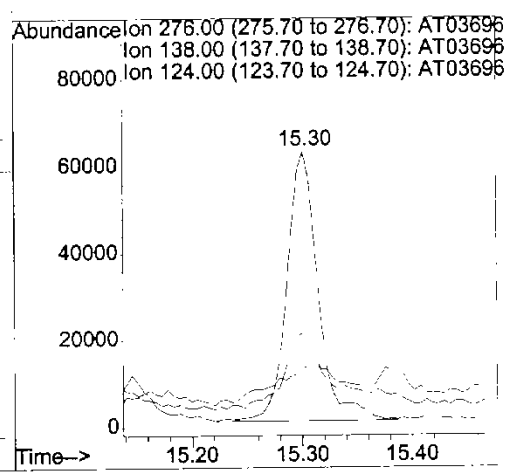


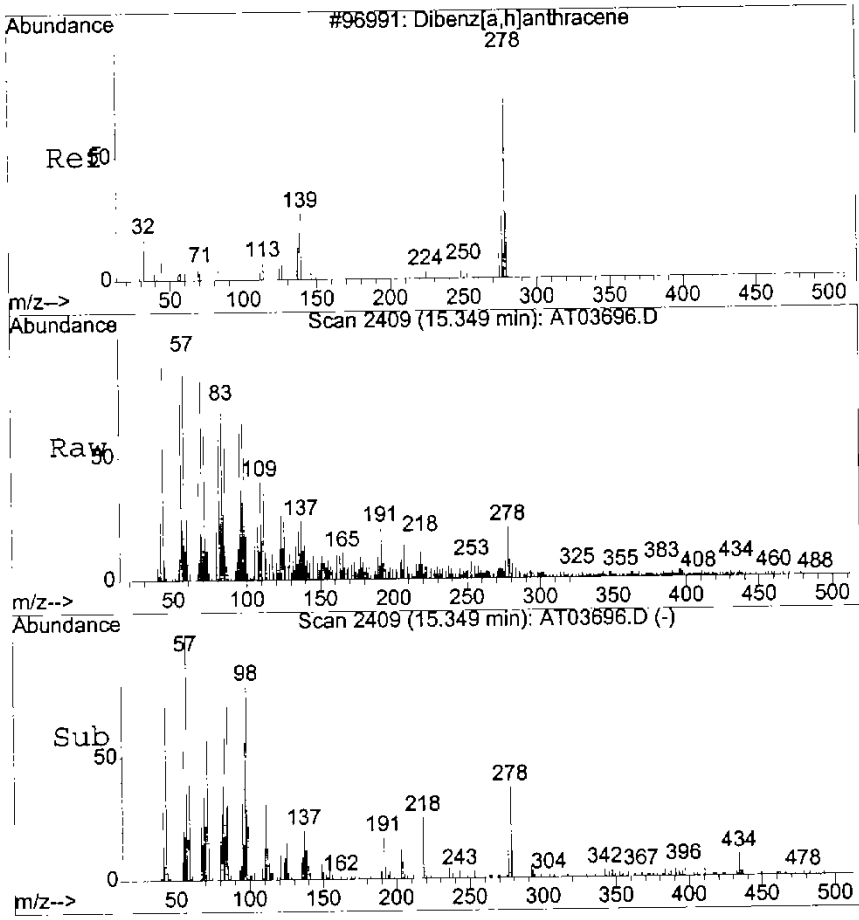


#92
Indeno(1,2,3-cd)pyrene
Concen: 181.33 ug/L
RT: 15.30 min Scan# 2400
Delta R.T. 0.01 min
Lab File: AT03696.D
Acq: 1 Mar 2005 11:32 am

Tgt Ion:276 Resp: 122317

Ion	Ratio	Lower	Upper
276	100		
138	25.7	0.0	51.8
124	7.1	0.0	35.4

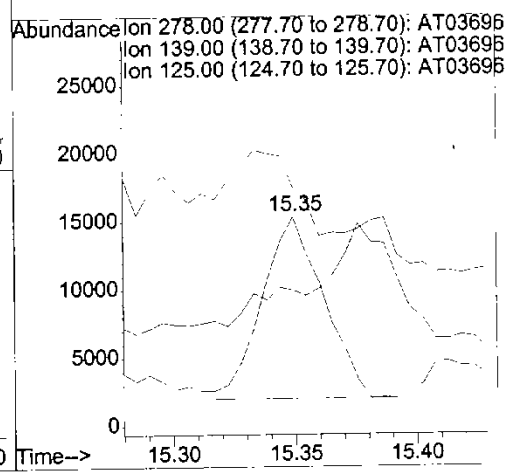


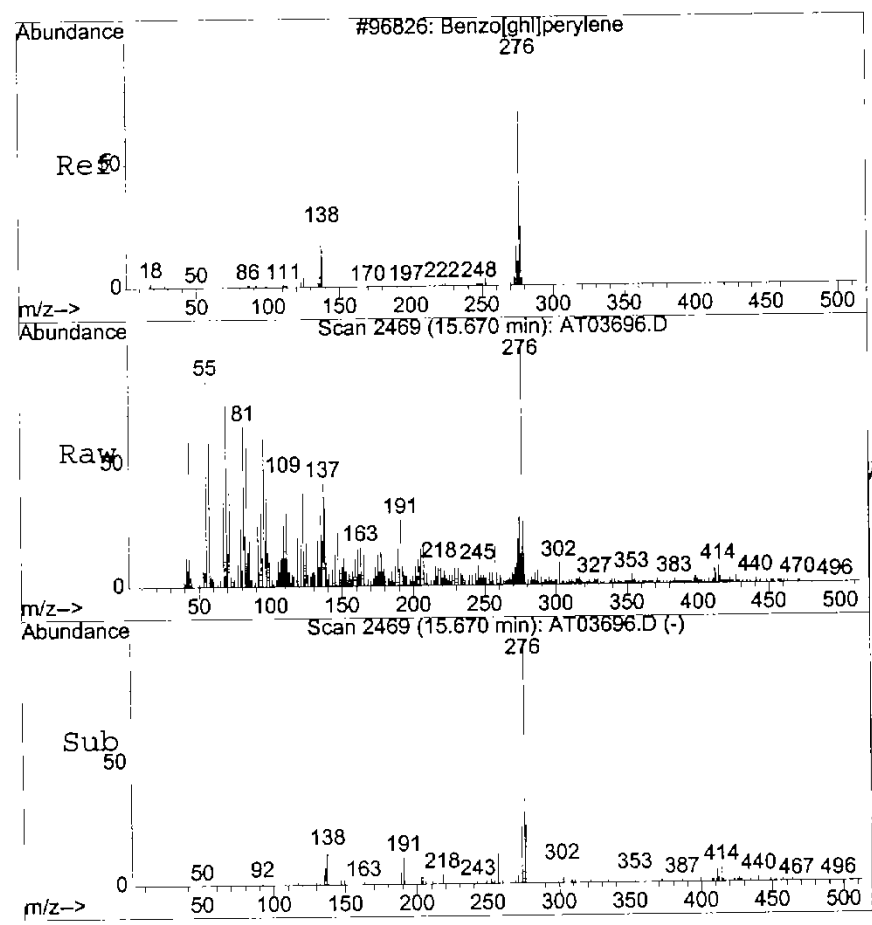


#93
Dibenz(a,h)anthracene
Concen: 41.47 ug/L
RT: 15.35 min Scan# 2409
Delta R.T. 0.00 min
Lab File: AT03696.D
Acq: 1 Mar 2005 11:32 am

Tgt Ion:278 Resp: 23080

Ion	Ratio	Lower	Upper
278	100		
139	5.2	0.0	46.7
125	22.6	0.0	35.8

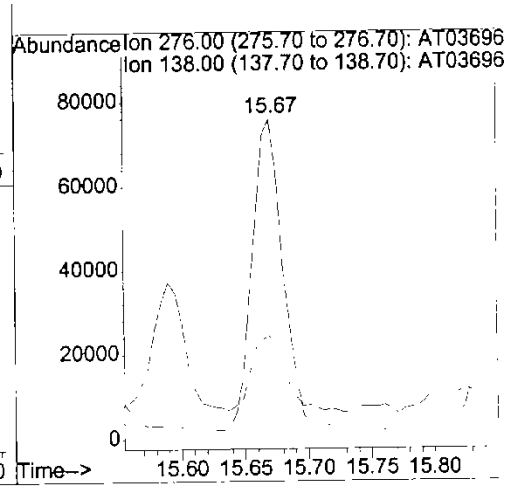




#94
Benzo(g,h,i)perylene
Concen: 164.96 ug/L
RT: 15.67 min Scan# 2469
Delta R.T. 0.01 min
Lab File: AT03696.D
Acq: 1 Mar 2005 11:32 am

Tgt Ion:276 Resp: 125076

Ion	Ratio	Lower	Upper
276	100		
138	23.9	0.0	54.3

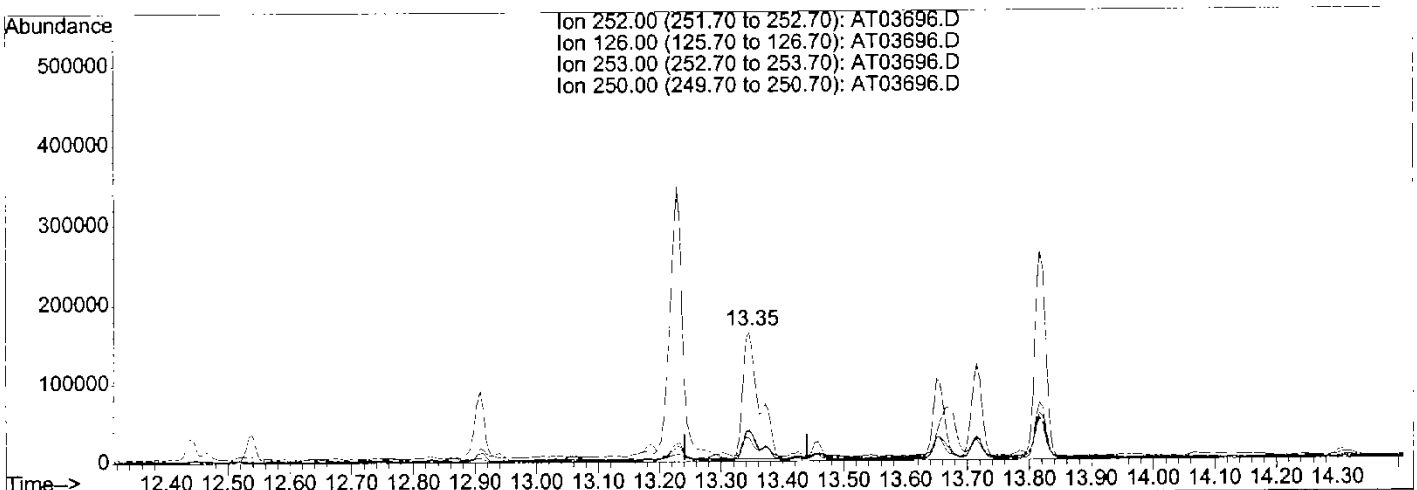


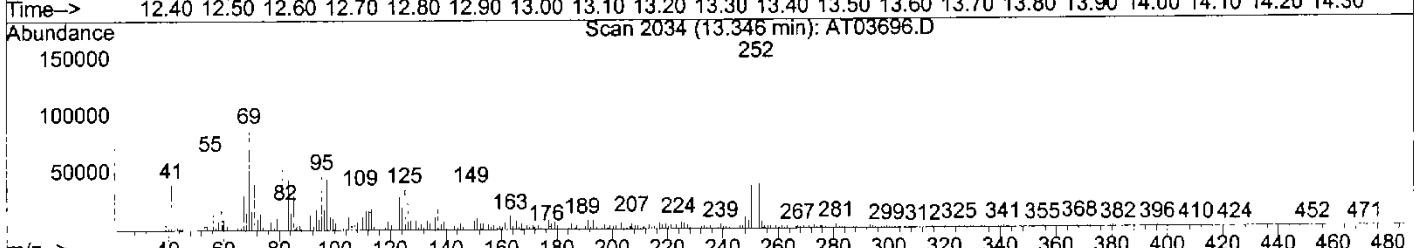
Quantitation Report (Qedit)

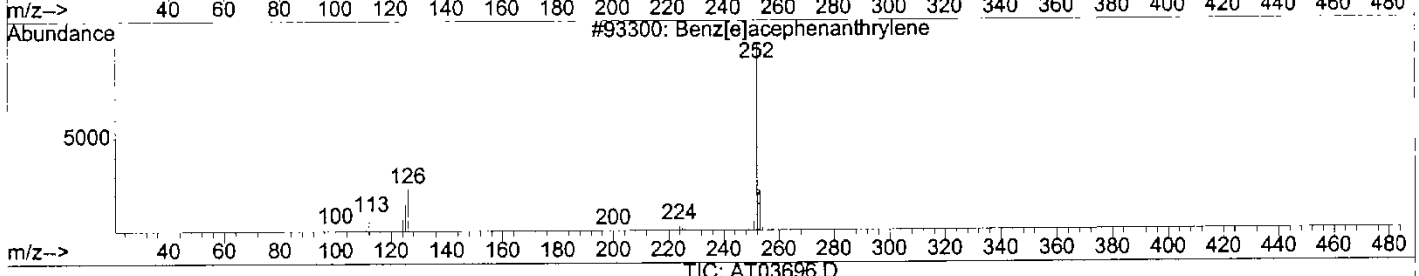
Data File : H:\DATA\030105_A\AT03696.D
Acq On : 1 Mar 2005 11:32 am
Sample : 126377-2 &1
Misc :
MS Integration Params: Rteint.p
Quant Time: Mar 1 12:21 2005

Vial: 10
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: temp.res

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Feb 28 14:16:48 2005
Response via : Multiple Level Calibration







TIC: AT03696.D

(88) Benzo(b)fluoranthene (T)

13.35min 348.87ul/l

response 300423

Ion	Exp%	Act%
252.00	100	100
126.00	16.50	13.78
253.00	21.70	22.63
250.00	22.10	22.45

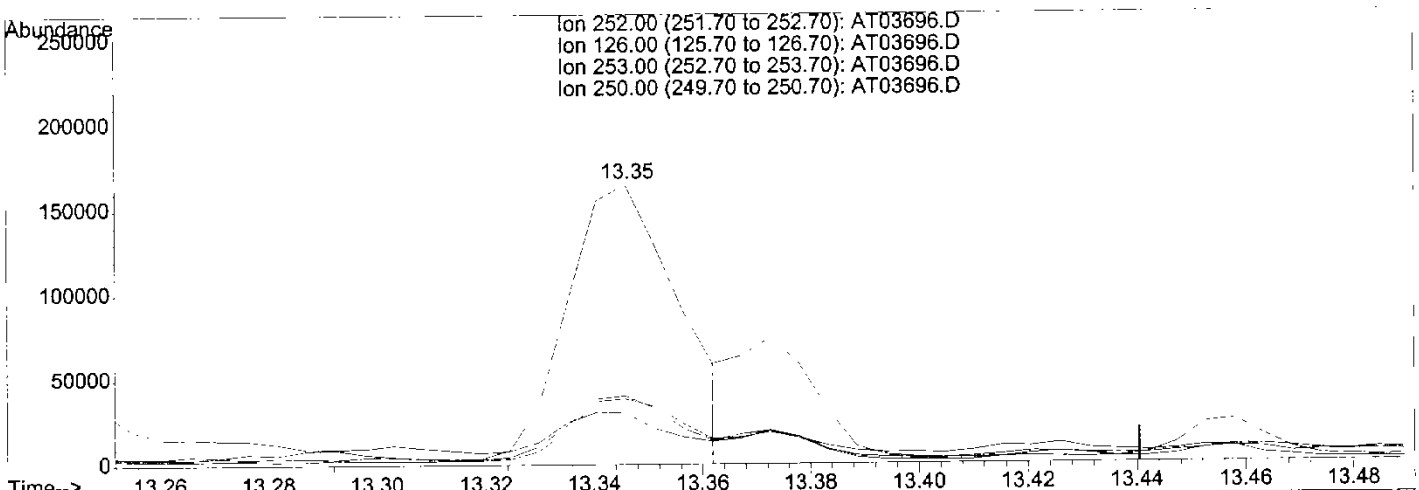
3/2/05

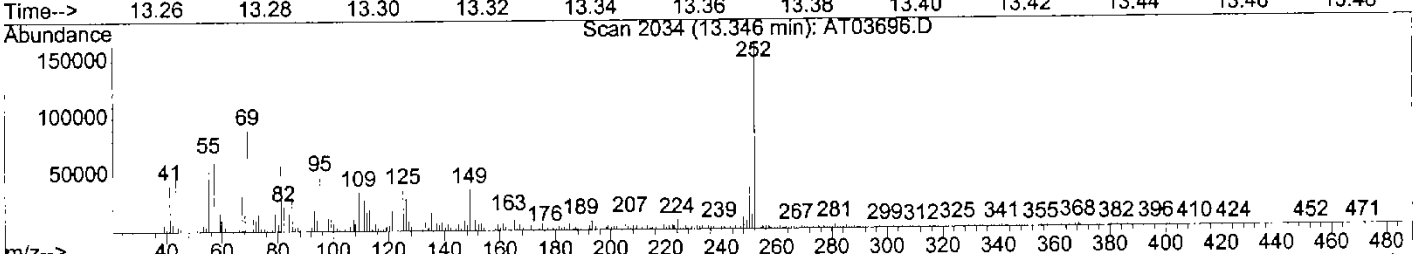
Quantitation Report (Qedit)

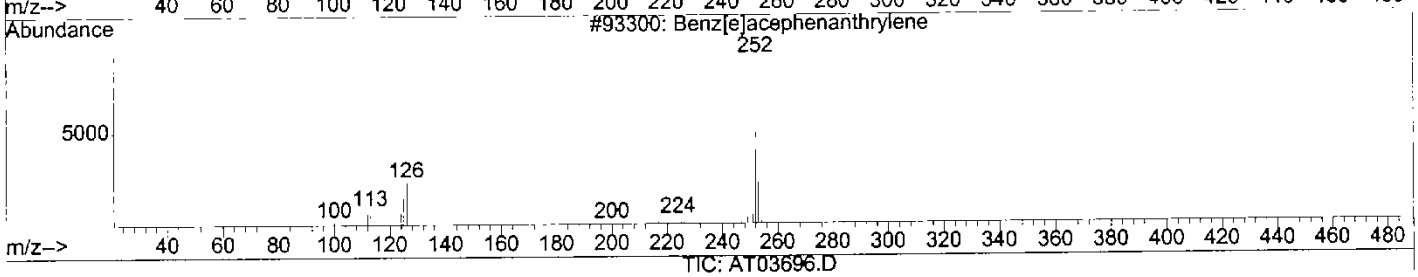
Data File : H:\DATA\030105_A\AT03696.D
Acq On : 1 Mar 2005 11:32 am
Sample : 126377-2 &1
Misc :
MS Integration Params: Rteint.p
Quant Time: Mar 2 6:29 2005

Vial: 10
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: temp.res

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Feb 28 14:16:48 2005
Response via : Multiple Level Calibration







(88) Benzo(b)fluoranthene (T)

13.35min 276.59ul/l m

response 235843

Ion	Exp%	Act%
252.00	100	100
126.00	16.50	18.25
253.00	21.70	24.34
250.00	22.10	23.31

3/2/05

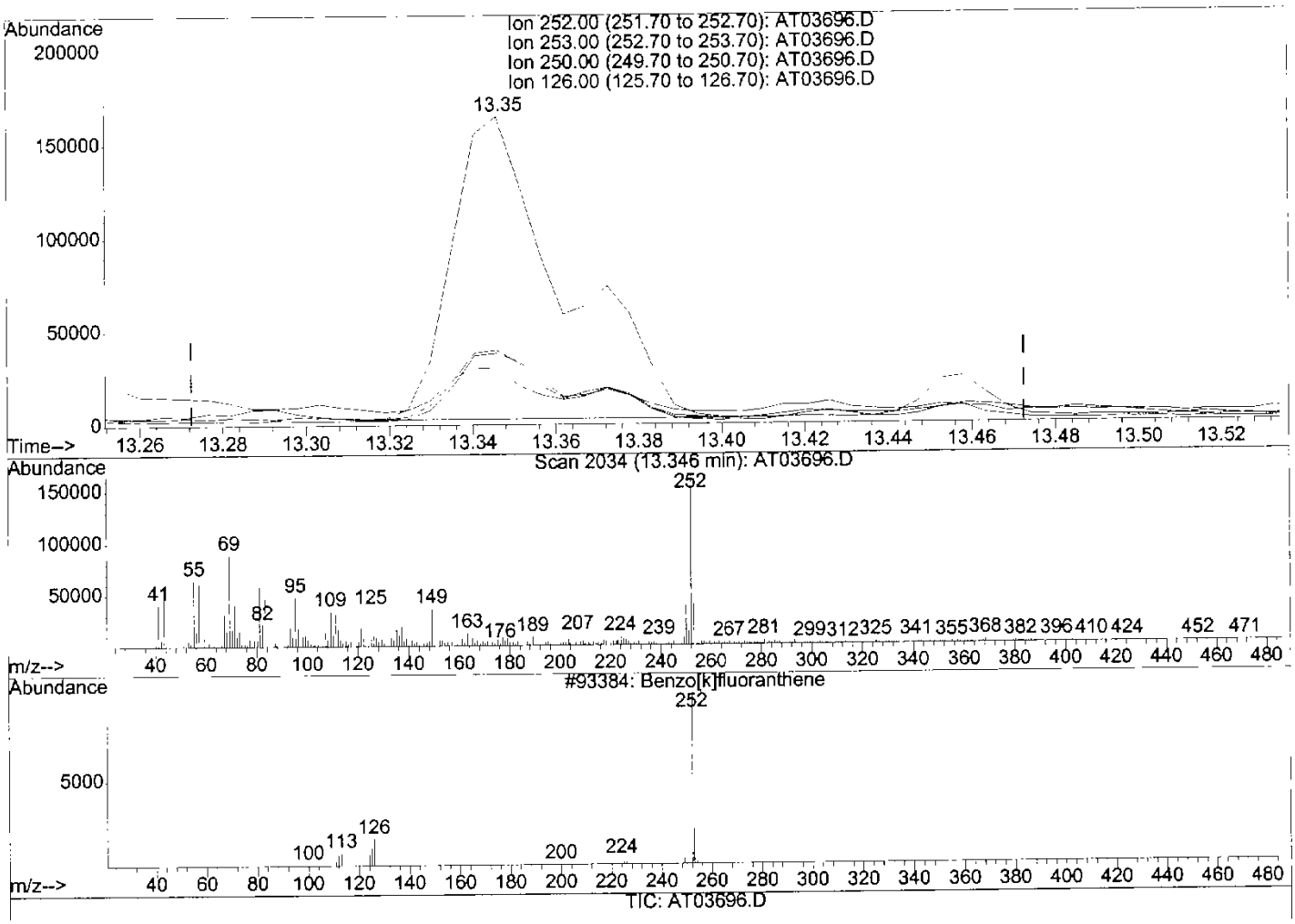
Quantitation Report (Qedit)

Data File : H:\DATA\030105_A\AT03696.D
Acq On : 1 Mar 2005 11:32 am
Sample : 126377-2 &1
Misc :
MS Integration Params: Rteint.p
Quant Time: Mar 2 6:29 2005

Vial: 10
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00

Quant Results File: temp.res

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Feb 28 14:16:48 2005
Response via : Multiple Level Calibration



(89) benzo(k)fluoranthene (T)

13.35min 384.34ul/l

response 300423

Ion	Exp%	Act%
252.00	100	100
253.00	21.90	22.63
250.00	22.20	22.45
126.00	17.40	13.78

3/2/05

00320

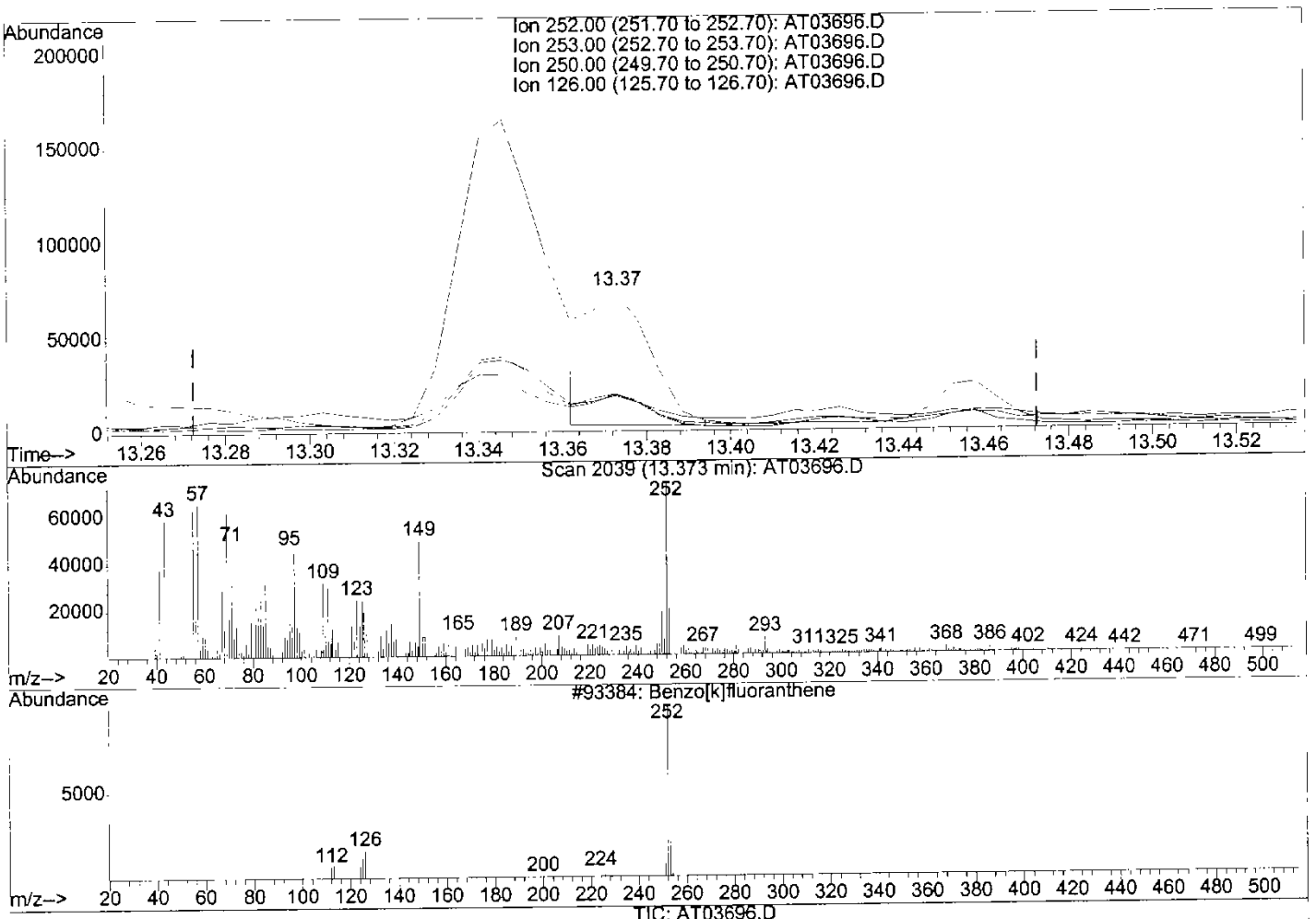
Quantitation Report (Qedit)

Data File : H:\DATA\030105_A\AT03696.D
Acq On : 1 Mar 2005 11:32 am
Sample : 126377-2 &1
Misc :
MS Integration Params: Rteint.p
Quant Time: Mar 2 6:29 2005

Vial: 10
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00

Quant Results File: temp.res

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Feb 28 14:16:48 2005
Response via : Multiple Level Calibration



(89) benzo(k)fluoranthene (T)

13.37min 92.52ul/l m

response 72316

Ion	Exp%	Act%
252.00	100	100
253.00	21.90	26.69
250.00	22.20	25.12
126.00	17.40	26.27#

3/2/05

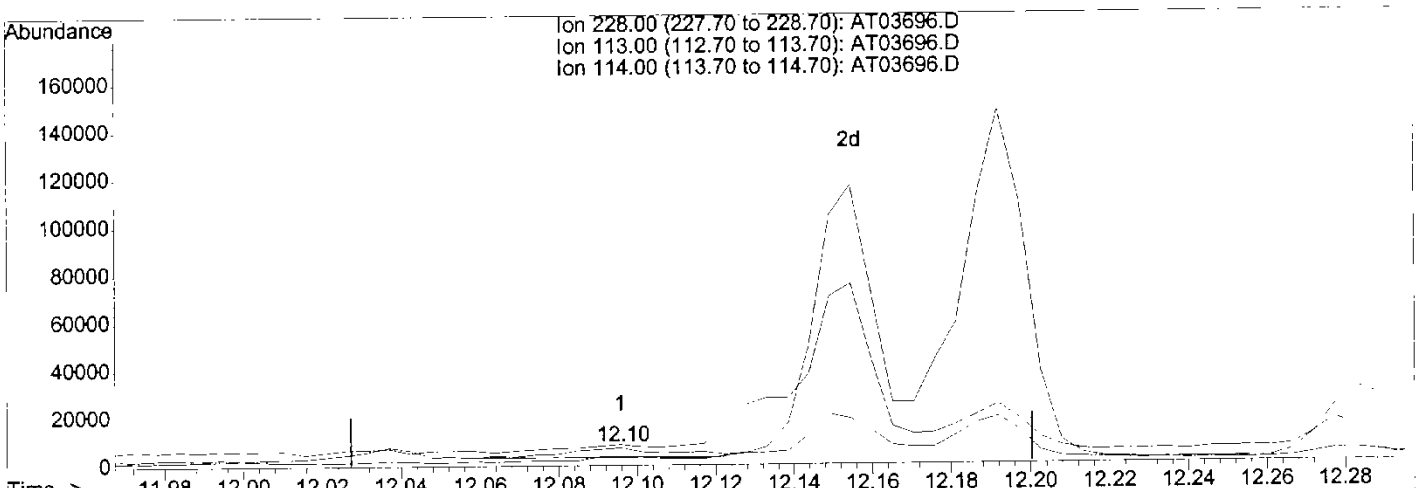
Quantitation Report (Qedit)

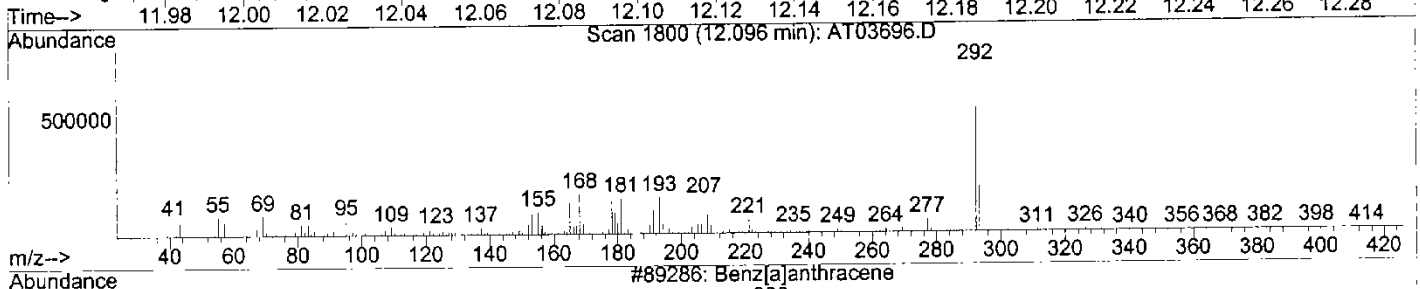
Data File : H:\DATA\030105_A\AT03696.D
Acq On : 1 Mar 2005 11:32 am
Sample : 126377-2 &1
Misc :
MS Integration Params: Rteint.p
Quant Time: Mar 2 6:29 2005

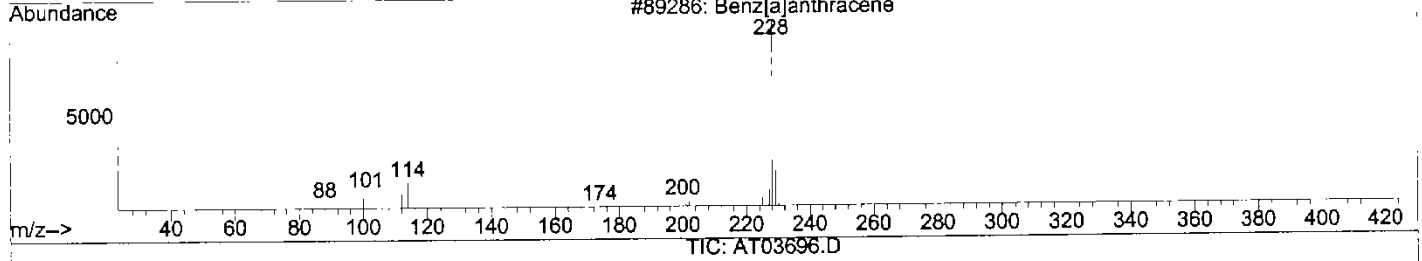
Vial: 10
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00

Quant Results File: temp.res

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Feb 28 14:16:48 2005
Response via : Multiple Level Calibration







(82) Benzo(a)anthracene (T)

12.10min 9.82ug/L

response 7019

Ion	Exp%	Act%
228.00	100	100
113.00	11.10	0.00
114.00	12.70	29.68
0.00	0.00	0.00

3/2/05

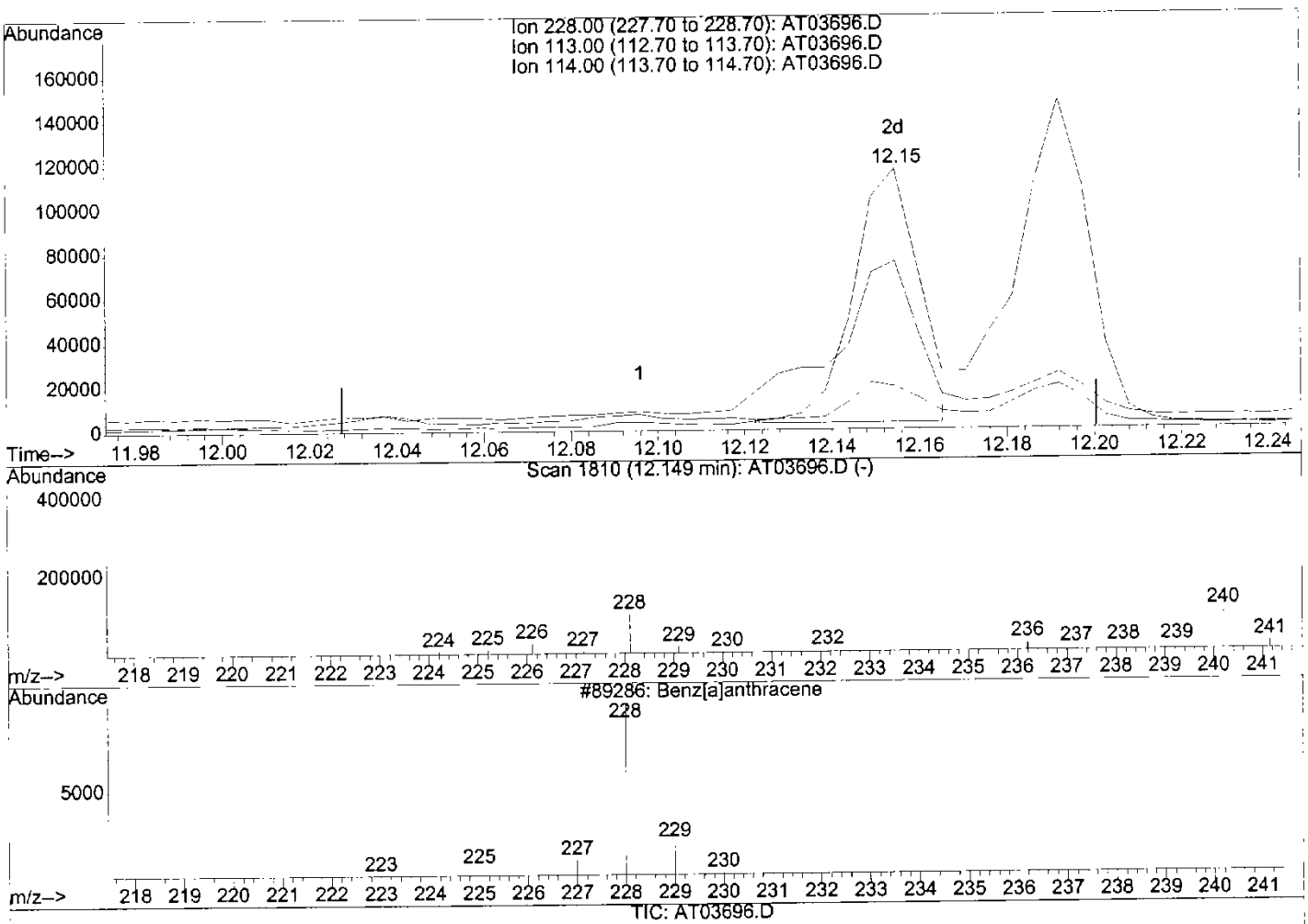
Quantitation Report (Qedit)

Data File : H:\DATA\030105_A\AT03696.D
Acq On : 1 Mar 2005 11:32 am
Sample : 126377-2 &1
Misc :
MS Integration Params: Rteint.p
Quant Time: Mar 2 7:59 2005

Vial: 10
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00

Quant Results File: temp.res

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Feb 28 14:16:48 2005
Response via : Multiple Level Calibration



(82) Benzo(a)anthracene (T)

12.15min 167.10ug/L m

response 119413

Ion	Exp%	Act%
228.00	100	100
113.00	11.10	64.61#
114.00	12.70	16.30
0.00	0.00	0.00

3/2/05

Quantitation Report (QT Reviewed)

Data File : H:\DATA\030105_A\AT03703.D
Acq On : 1 Mar 2005 3:16 pm
Sample : 126377-2 &1 1:5 ss1348
Misc :
MS Integration Params: Rteint.p
Quant Time: Mar 02 06:25:34 2005

Vial: 17
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00

Quant Results File: 8270_022505.RES

Quant Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Feb 28 14:16:48 2005
Response via : Initial Calibration
DataAcq Meth : 8270

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4 (I)	5.43	152	249914	1000.000 ug/L	0.00
23) Naphthalene - d8 (I)	6.55	136	957370	1000.000 ug/L	0.00
39) Acenaphthene - d10 (I)	8.01	162	513679	1000.000 ug/L	0.00
63) Phenanthrene - d10 (I)	9.31	188	914599	1000.000 ug/L	0.00
80) Chrysene - d12 (I)	12.17	240	974464	1000.000 ul/l	0.00
86) Perylene - d12 (I)	13.79	264	938927	1000.000 ug/L	0.01
System Monitoring Compounds					
4) 2 - Fluorophenol (S)	4.14	112	17529	83.77 ug/L	-0.01
8) Phenol - d5 (S)	5.13	99	23171	98.38 ug/L	0.00
24) Nitrobenzene - d5 (S)	5.94	82	14609	74.42 ug/L	0.00
44) 2 - Fluorobiphenyl (S)	7.46	172	37610	67.86 ug/L	0.00
66) 2,4,6 - Tribromophenol (S)	8.68	330	13739	177.69 ug/L	0.00
79) p - Terphenyl - d14 (S)	11.00	244	97895	176.79 ug/L	0.00
Target Compounds					Qvalue
2) N-Nitrosodimethylamine	2.53	74	425	236.001 ug/L	76
3) Pyridine	2.54	79	4929	199.087 ug/L	68
6) Benzaldehyde	5.04	105	3261	17.234 ul/L	92
9) Phenol	5.15	94	3498	13.930 ug/L	92
30) Benzoic Acid	6.35	105	13954	474.858 ug/L	84
31) 2,4-Dichlorophenol	6.36	162	1697	10.574 ug/L	65
33) Naphthalene	6.56	128	4191	5.672 ug/L	93
50) 2,6-Dinitrotoluene	7.90	165	462	29.561 ug/L	74
51) 3-Nitroaniline	7.99	138	123	Below Cal #	8
55) Dibenzofuran	8.17	168	5938	9.508 ug/L	87
59) Diethylphthalate	8.39	149	20866	40.900 ug/L	96
65) n-Nitrosodiphenylamine	8.58	169	340	9.960 ug/L	64
71) Phenanthrene	9.33	178	22113	29.655 ug/L	100
72) Anthracene	9.38	178	6195	9.160 ug/L	92
73) Octadecane	9.27	57	8836	40.833 ul/L	91
74) Carbazole	9.55	167	3163	6.909 ug/L	95
75) Di-n-butylphthalate	9.93	149	817562	1019.996 ug/L	99
76) Fluoranthene	10.55	202	62190	81.716 ug/L	98
77) Pyrene	10.79	202	58385	73.964 ug/L	93
81) Butylbenzylphthalate	11.59	149	13862	109.022 ug/L	93
82) Benzo(a)anthracene	12.16	228	25296m	35.734 ug/L	
83) 3,3'-Dichlorobenzidine	12.07	252	271	28.718 ug/L	89
84) Chrysene	12.20	228	34968	47.392 ug/L	94
85) bis(2-Ethylhexyl)phthalate	12.29	149	66715	145.921 ug/L	96
88) Benzo(b)fluoranthene	13.35	252	46379m	68.935 ul/l	
89) benzo(k)fluoranthene	13.38	252	12035m	16.700 ul/l	

(#) = qualifier out of range (m) = manual integration

00324

Data File : H:\DATA\030105_A\AT03703.D
Acq On : 1 Mar 2005 3:16 pm
Sample : 126377-2 &1 1:5 ss1348
Misc :
MS Integration Params: Rteint.p
Quant Time: Mar 02 06:25:34 2005

Vial: 17
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: 8270_022505.RES

Quant Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Feb 28 14:16:48 2005
Response via : Initial Calibration
DataAcq Meth : 8270

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
90)	Benzofluoranthenes	13.37	252	62108	85.080 ug/L	97
91)	Benzo(a)pyrene	13.72	252	28446	45.450 ug/L	96
92)	Indeno(1,2,3-cd)pyrene	15.31	276	22677	51.903 ug/L	86
93)	Dibenz(a,h)anthracene	15.29	278	1845	15.141 ug/L	67
94)	Benzo(g,h,i)perylene	15.68	276	23909	34.203 ug/L	99

(#) = qualifier out of range (m) = manual integration

00325

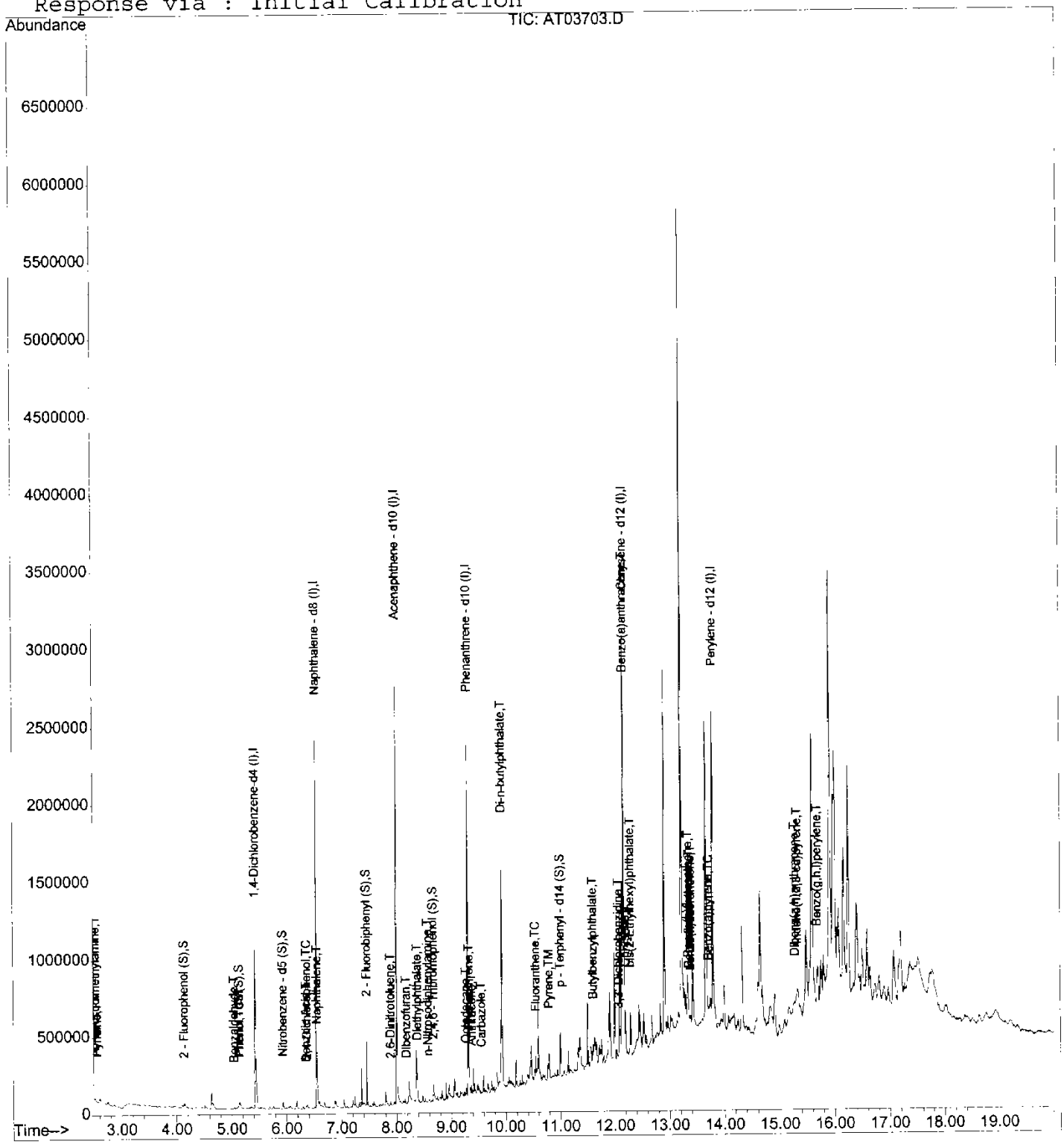
Quantitation Report (QT Reviewed)

Data File : H:\DATA\030105_A\AT03703.D
Acq On : 1 Mar 2005 3:16 pm
Sample : 126377-2 &1 1:5 ss1348
Misc :
MS Integration Params: Rteint.p
Quant Time: Mar 2 8:09 2005

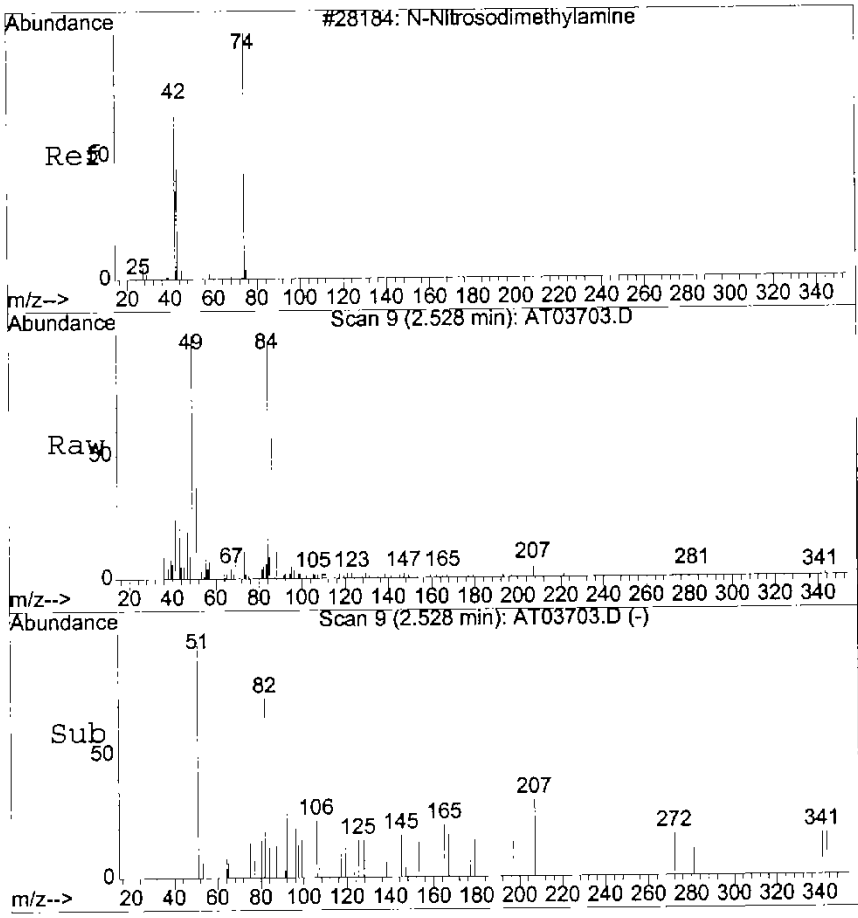
Vial: 17
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00

Quant Results File: 8270_022505.

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Feb 28 14:16:48 2005
Response via : Initial Calibration



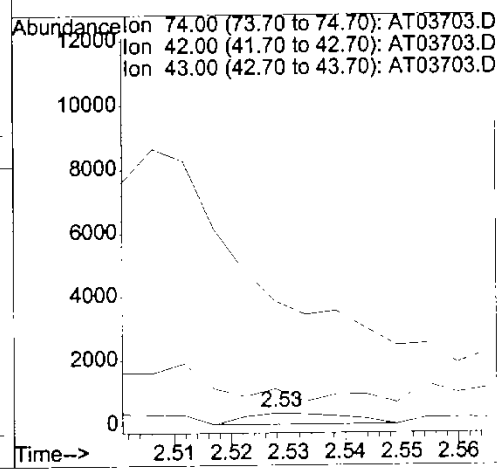
00326

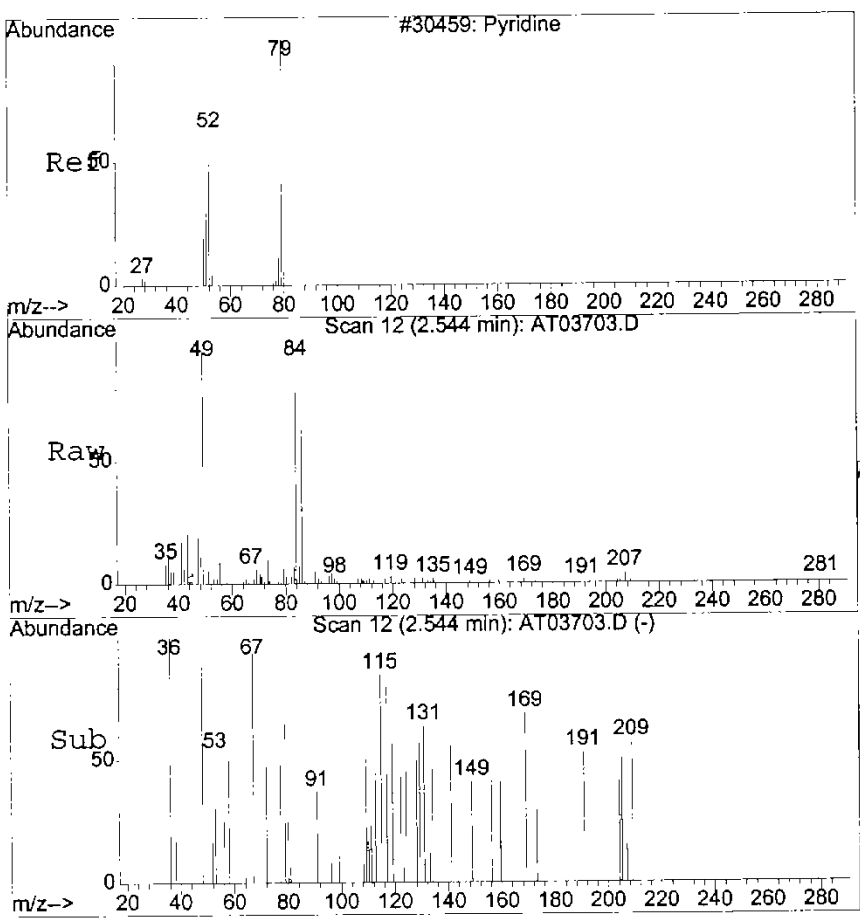


#2
N-Nitrosodimethylamine
Concen: 236.00 ug/L
RT: 2.53 min Scan# 9
Delta R.T. -0.05 min
Lab File: AT03703.D
Acq: 1 Mar 2005 3:16 pm

Tgt Ion: 74 Resp: 425

Ion	Ratio	Lower	Upper
74	100		
42	61.3	22.6	82.6
43	0.0	0.0	53.8

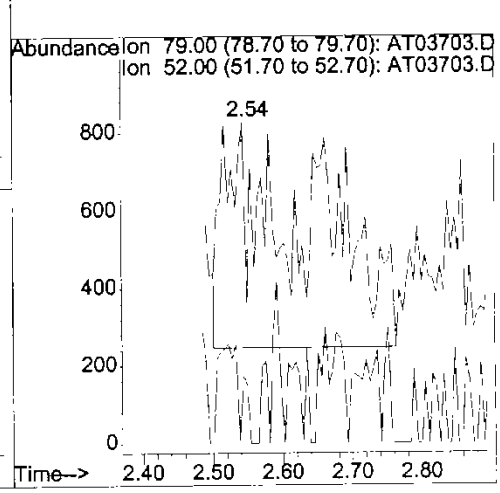


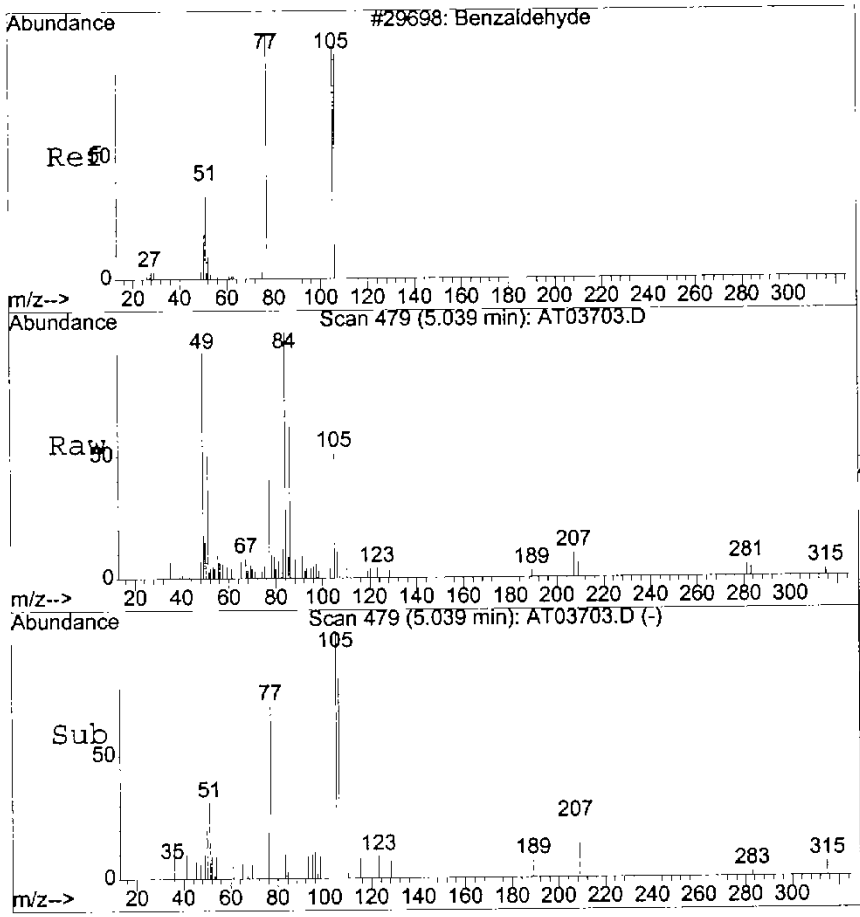


#3
Pyridine
Concen: 199.09 ug/L
RT: 2.54 min Scan# 12
Delta R.T. -0.01 min
Lab File: AT03703.D
Acq: 1 Mar 2005 3:16 pm

Tgt Ion: 79 Resp: 4929

Ion	Ratio	Lower	Upper
79	100		
52	35.8	29.7	89.7

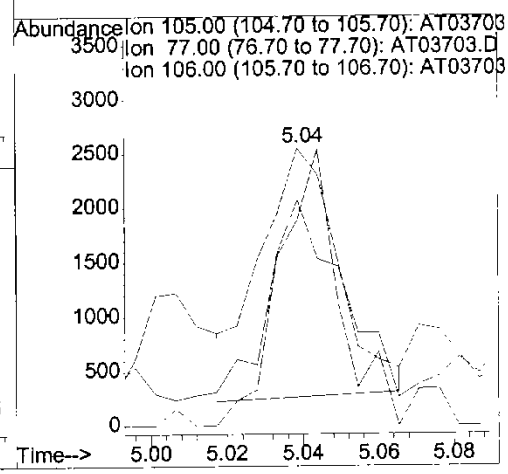


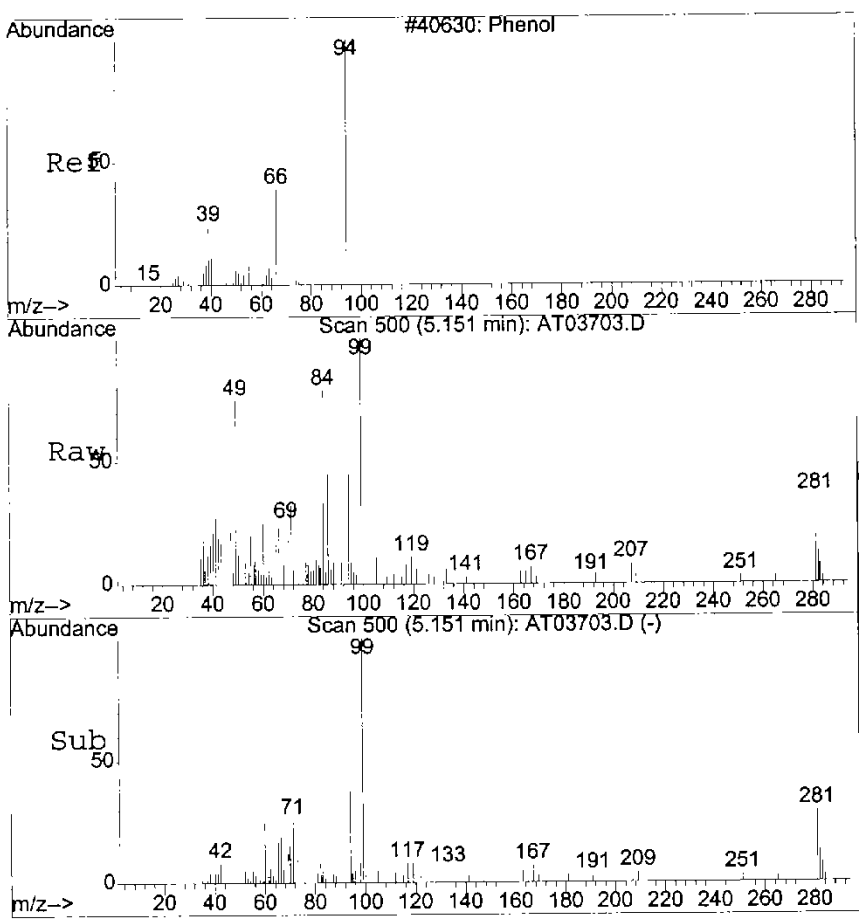


#6
Benzaldehyde
Concen: 17.23 ul/L
RT: 5.04 min Scan# 479
Delta R.T. -0.02 min
Lab File: AT03703.D
Acq: 1 Mar 2005 3:16 pm

Tgt Ion:105 Resp: 3261

Ion	Ratio	Lower	Upper
105	100		
77	88.3	63.9	123.9
106	92.4	72.0	132.0

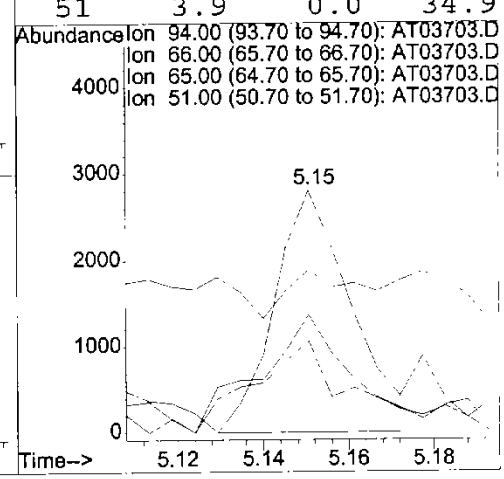


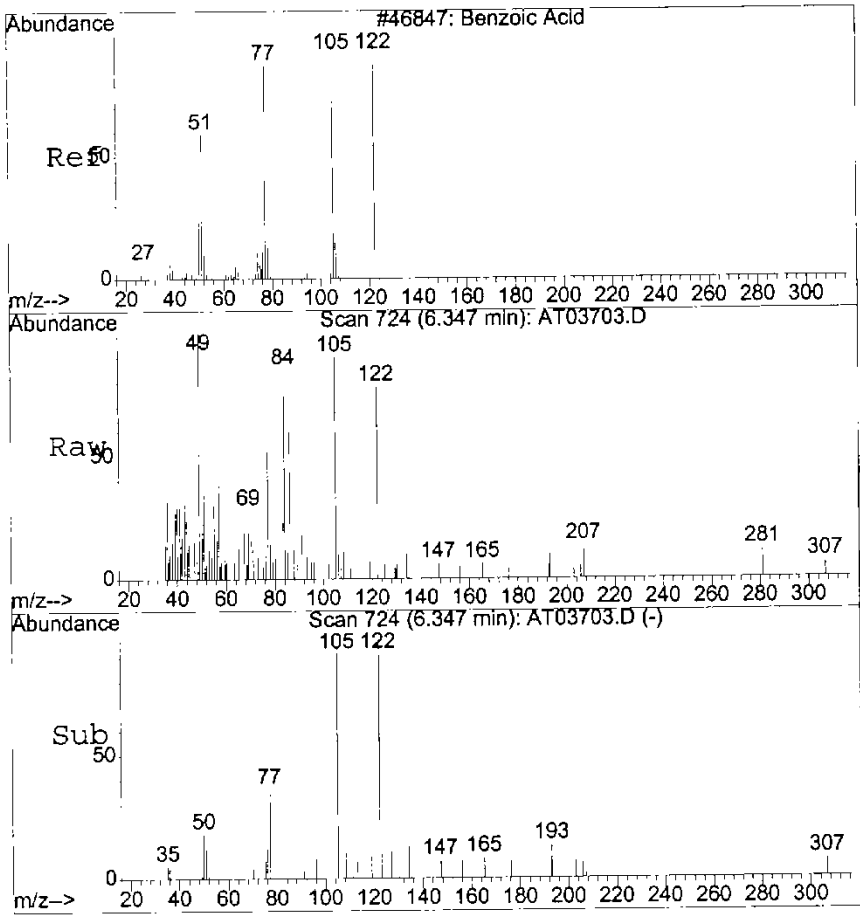


#9
Phenol
Concen: 13.93 ug/L
RT: 5.15 min Scan# 500
Delta R.T. 0.00 min
Lab File: AT03703.D
Acq: 1 Mar 2005 3:16 pm

Tgt Ion: 94 Resp: 3498

Ion	Ratio	Lower	Upper
94	100		
66	36.9	14.1	74.1
65	28.2	1.3	61.3
51	3.9	0.0	34.9

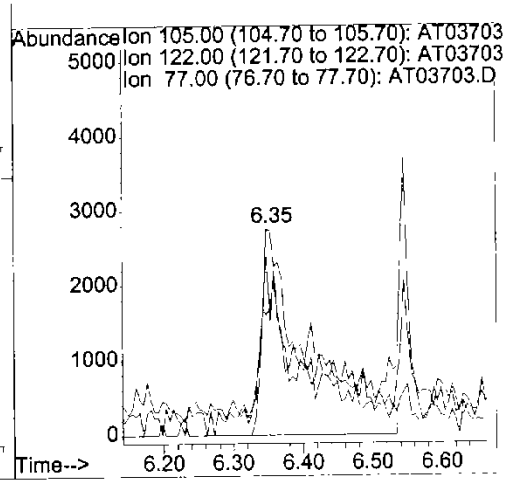


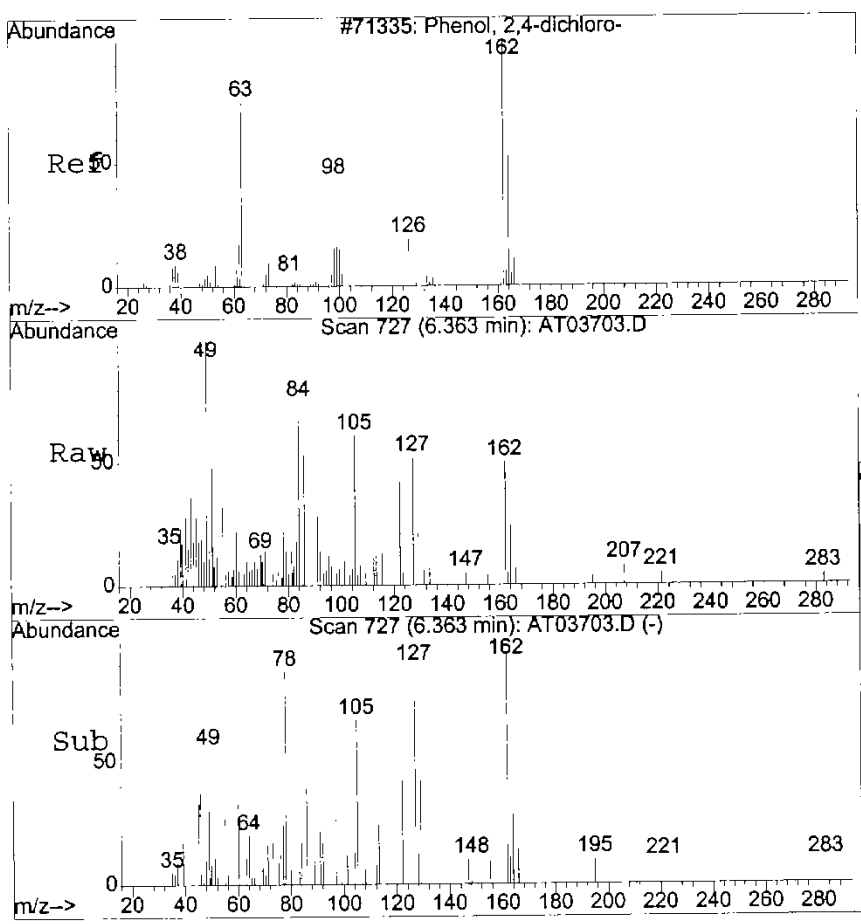


#30
Benzoic Acid
Concen: 474.86 ug/L
RT: 6.35 min Scan# 724
Delta R.T. -0.04 min
Lab File: AT03703.D
Acq: 1 Mar 2005 3:16 pm

Tgt Ion:105 Resp: 13954

Ion	Ratio	Lower	Upper
105	100		
122	93.4	58.0	118.0
77	41.1	34.2	94.2

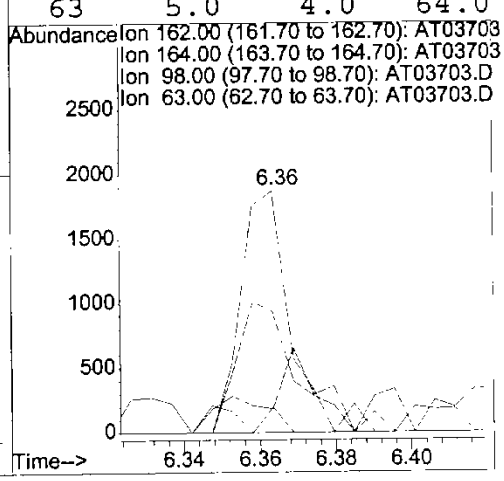


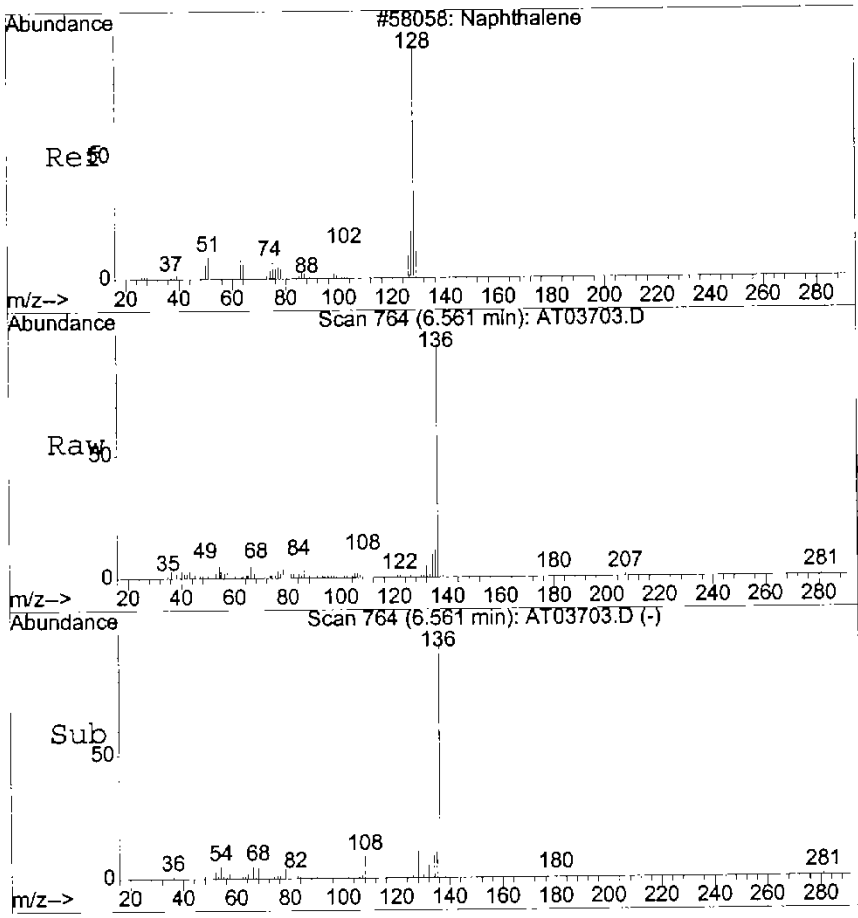


#31
2,4-Dichlorophenol
Concen: 10.57 ug/L
RT: 6.36 min Scan# 727
Delta R.T. -0.07 min
Lab File: AT03703.D
Acq: 1 Mar 2005 3:16 pm

Tgt Ion:162 Resp: 1697

Ion	Ratio	Lower	Upper
162	100		
164	50.1	35.8	95.8
98	0.0	0.0	57.5
63	5.0	4.0	64.0

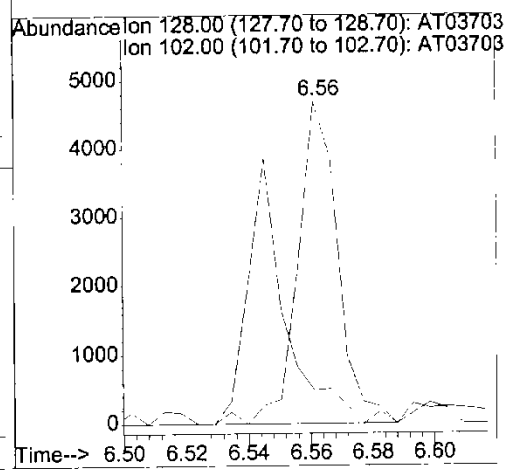


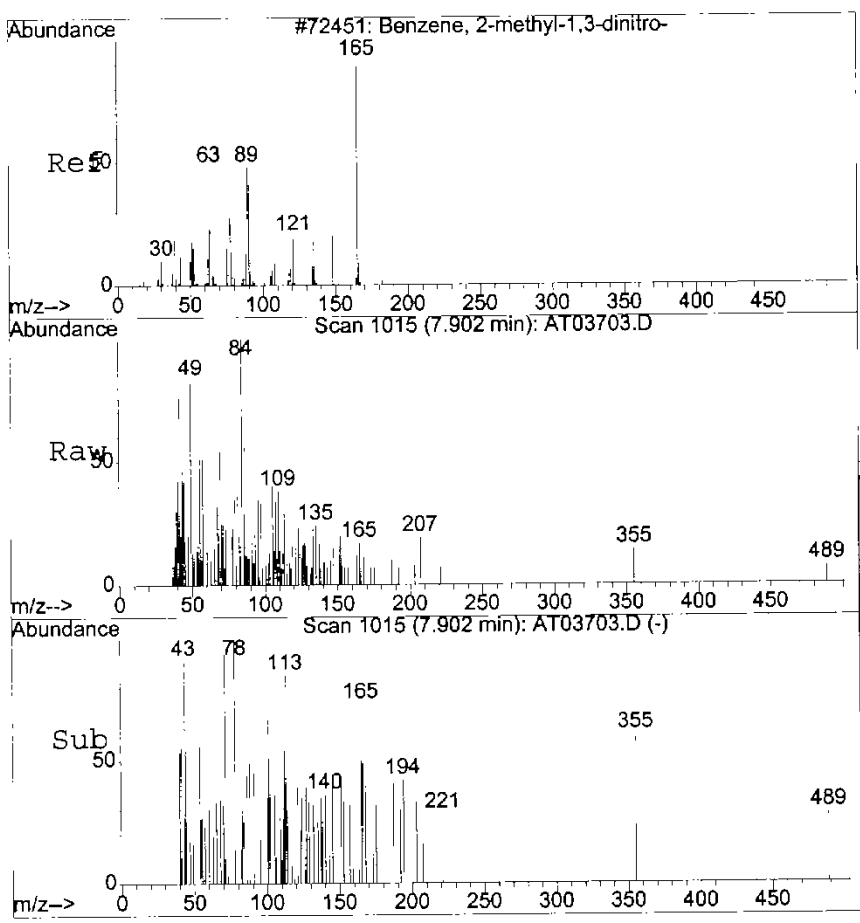


#33
Naphthalene
Concen: 5.67 ug/L
RT: 6.56 min Scan# 764
Delta R.T. 0.00 min
Lab File: AT03703.D
Acq: 1 Mar 2005 3:16 pm

Tgt Ion:128 Resp: 4191

Ion	Ratio	Lower	Upper
128	100		
102	10.3	0.0	37.8

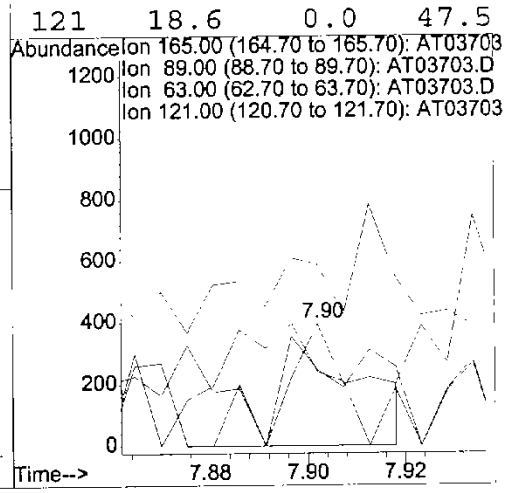


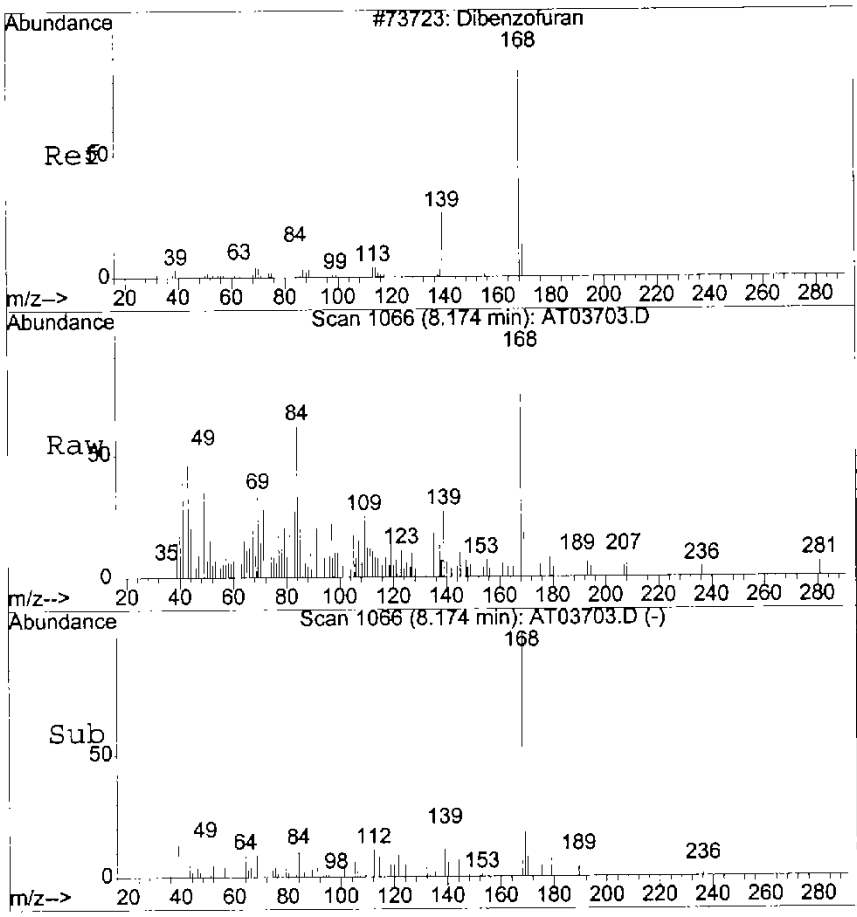


#50
2,6-Dinitrotoluene
Concen: 29.56 ug/L
RT: 7.90 min Scan# 1015
Delta R.T. 0.06 min
Lab File: AT03703.D
Acq: 1 Mar 2005 3:16 pm

Tgt Ion:165 Resp: 462

Ion	Ratio	Lower	Upper
165	100		
89	10.4	8.4	68.4
63	16.4	0.0	45.4
121	18.6	0.0	47.5

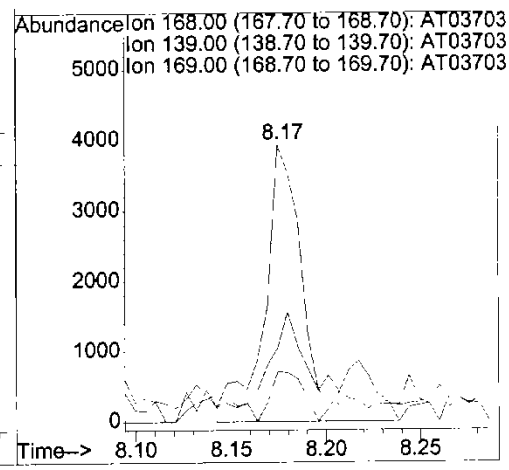


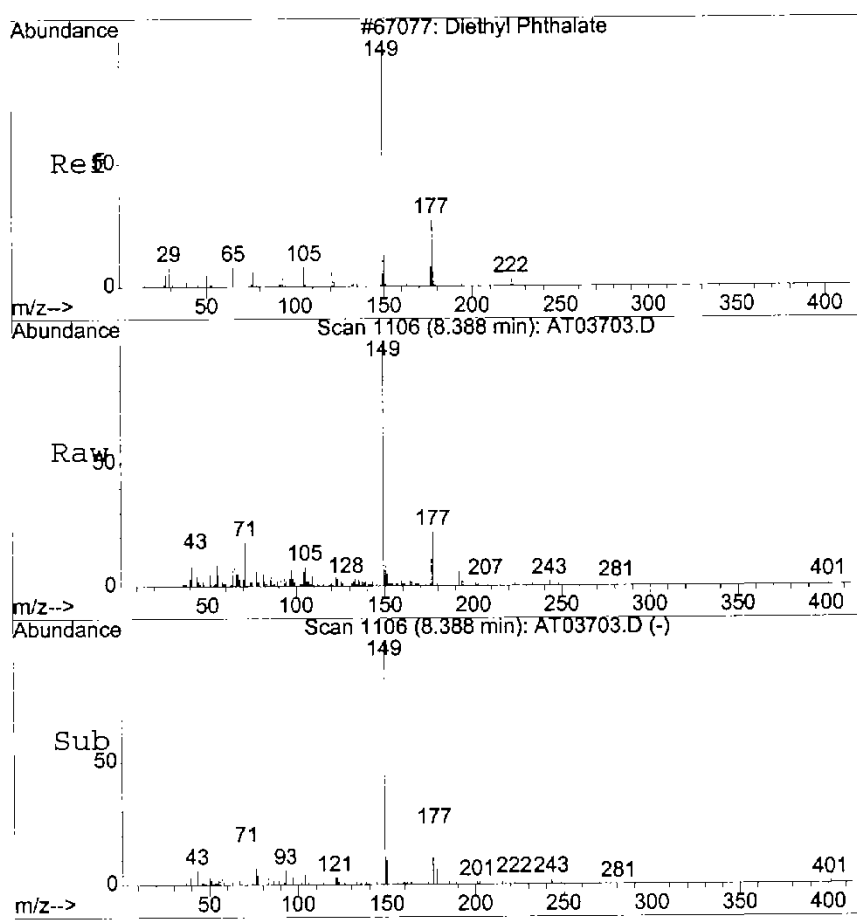


#55
Dibenzofuran
Concen: 9.51 ug/L
RT: 8.17 min Scan# 1066
Delta R.T. 0.00 min
Lab File: AT03703.D
Acq: 1 Mar 2005 3:16 pm

Tgt Ion:168 Resp: 5938

Ion	Ratio	Lower	Upper
168	100		
139	21.9	0.6	60.6
169	10.5	0.0	42.8

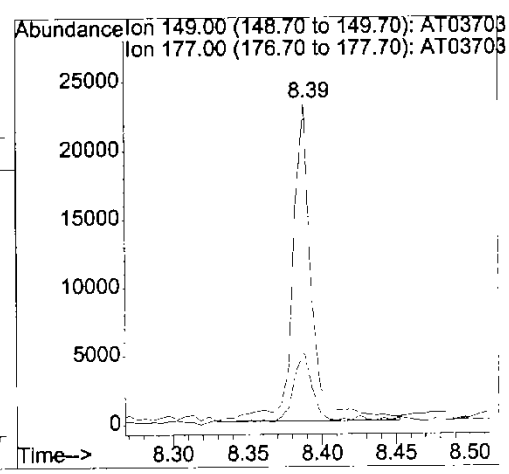




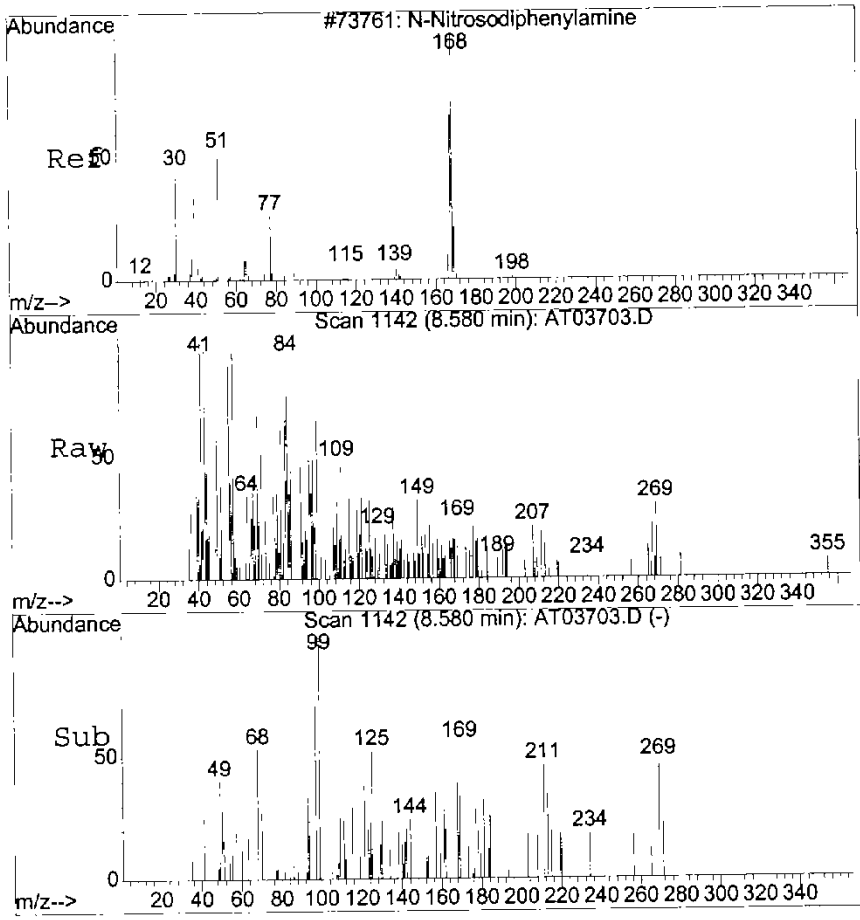
#59
Diethylphthalate
Concen: 40.90 ug/L
RT: 8.39 min Scan# 1106
Delta R.T. 0.01 min
Lab File: AT03703.D
Acq: 1 Mar 2005 3:16 pm

Tgt Ion:149 Resp: 20866

Ion	Ratio	Lower	Upper
149	100		
177	21.1	0.0	53.1



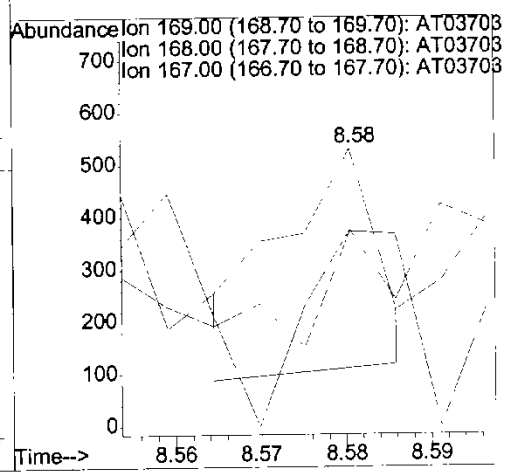
00331

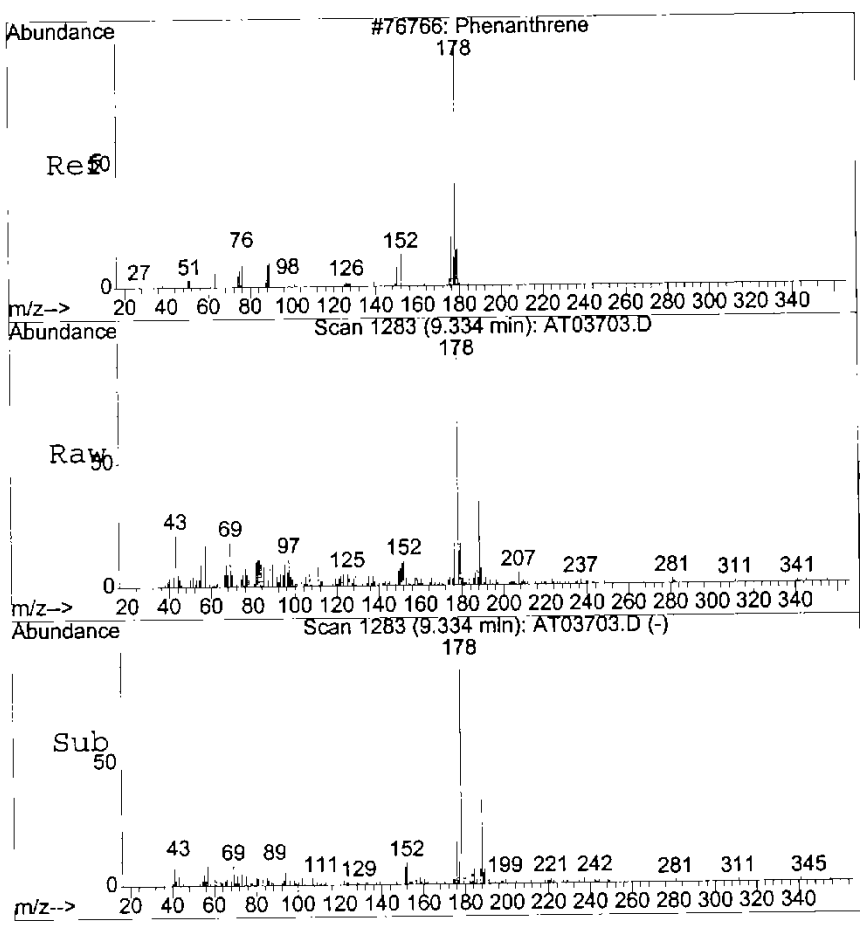


#65
n-Nitrosodiphenylamine
Concen: 9.96 ug/L
RT: 8.58 min Scan# 1142
Delta R.T. 0.01 min
Lab File: AT03703.D
Acq: 1 Mar 2005 3:16 pm

Tgt Ion:169 Resp: 340

Ion	Ratio	Lower	Upper
169	100		
168	32.0	31.4	91.4
167	51.0	3.1	63.1

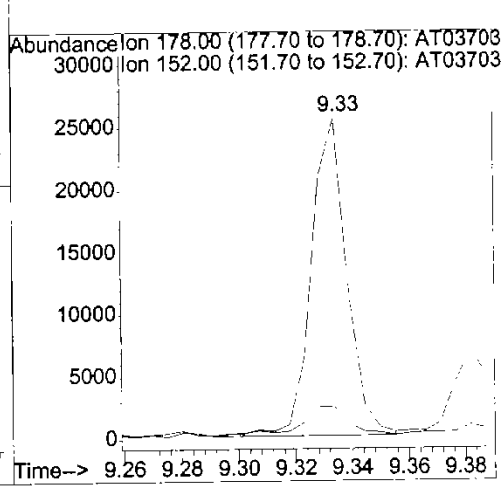


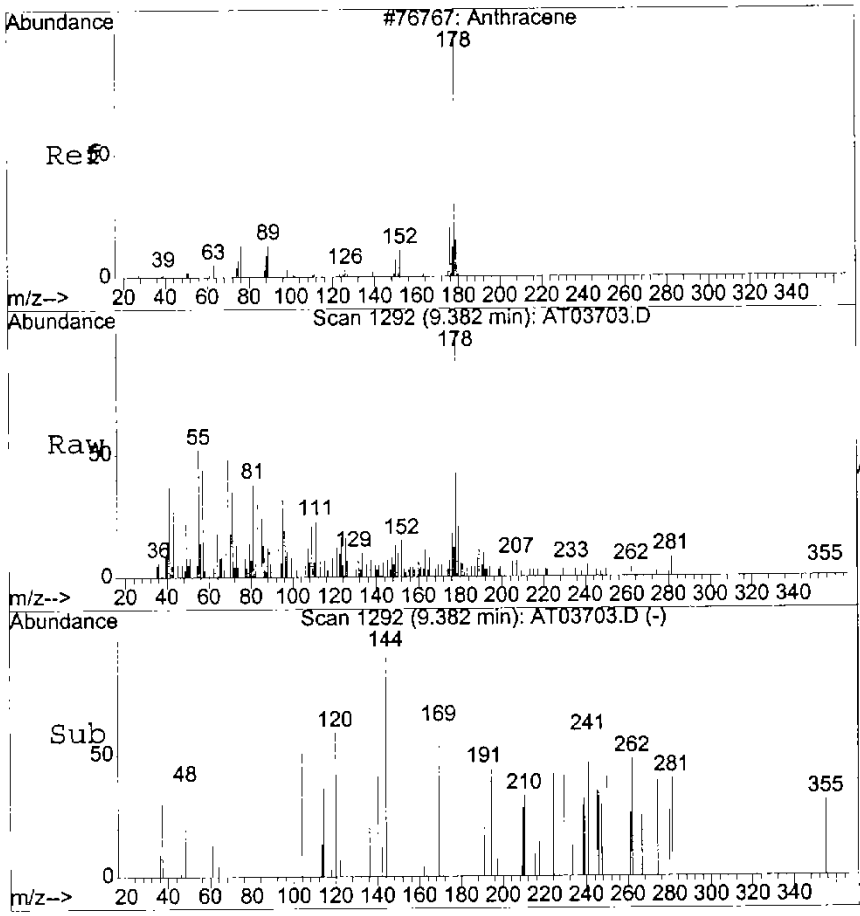


#71
Phenanthrene
Concen: 29.66 ug/L
RT: 9.33 min Scan# 1283
Delta R.T. 0.01 min
Lab File: AT03703.D
Acq: 1 Mar 2005 3:16 pm

Tgt Ion:178 Resp: 22113

Ion	Ratio	Lower	Upper
178	100		
152	8.7	0.0	38.6

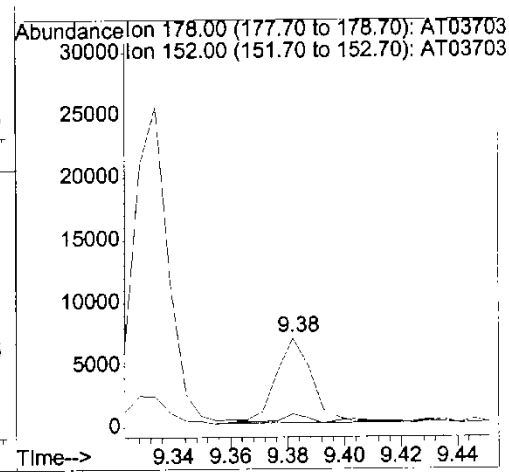


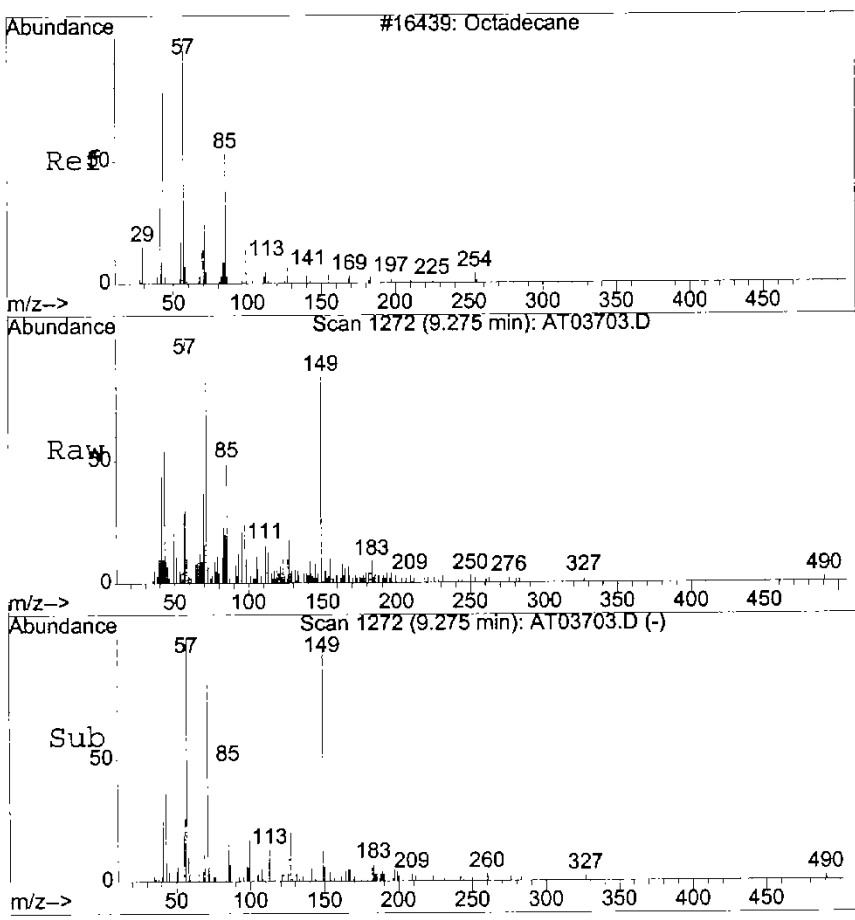


#72
Anthracene
Concen: 9.16 ug/L
RT: 9.38 min Scan# 1292
Delta R.T. 0.01 min
Lab File: AT03703.D
Acq: 1 Mar 2005 3:16 pm

Tgt Ion:178 Resp: 6195

Ion	Ratio	Lower	Upper
178	100		
152	10.0	0.0	37.1

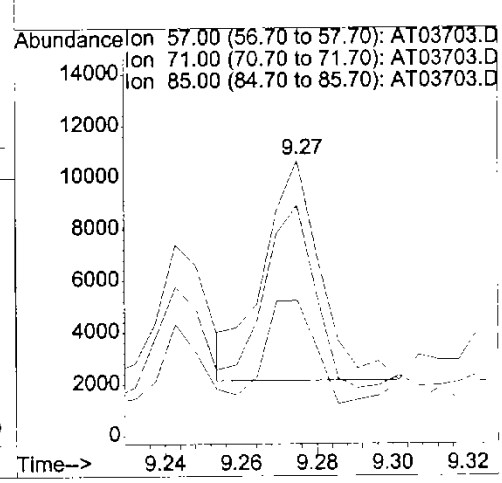


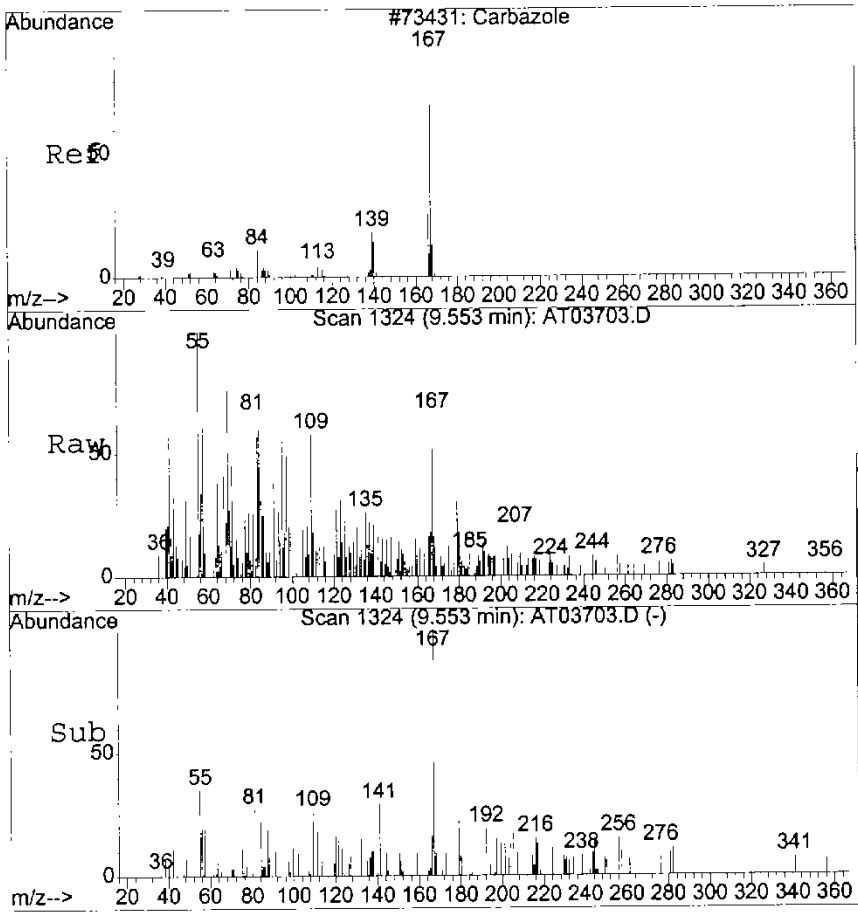


#73
Octadecane
Concen: 40.83 ul/L
RT: 9.27 min Scan# 1272
Delta R.T. 0.03 min
Lab File: AT03703.D
Acq: 1 Mar 2005 3:16 pm

Tgt Ion: 57 Resp: 8836

Ion	Ratio	Lower	Upper
57	100		
71	75.5	51.7	96.1
85	39.5	37.4	69.4

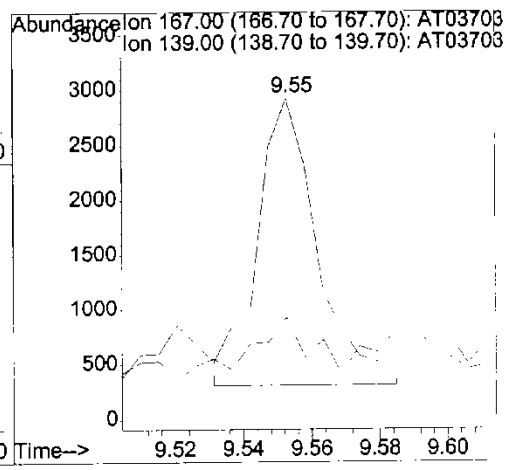


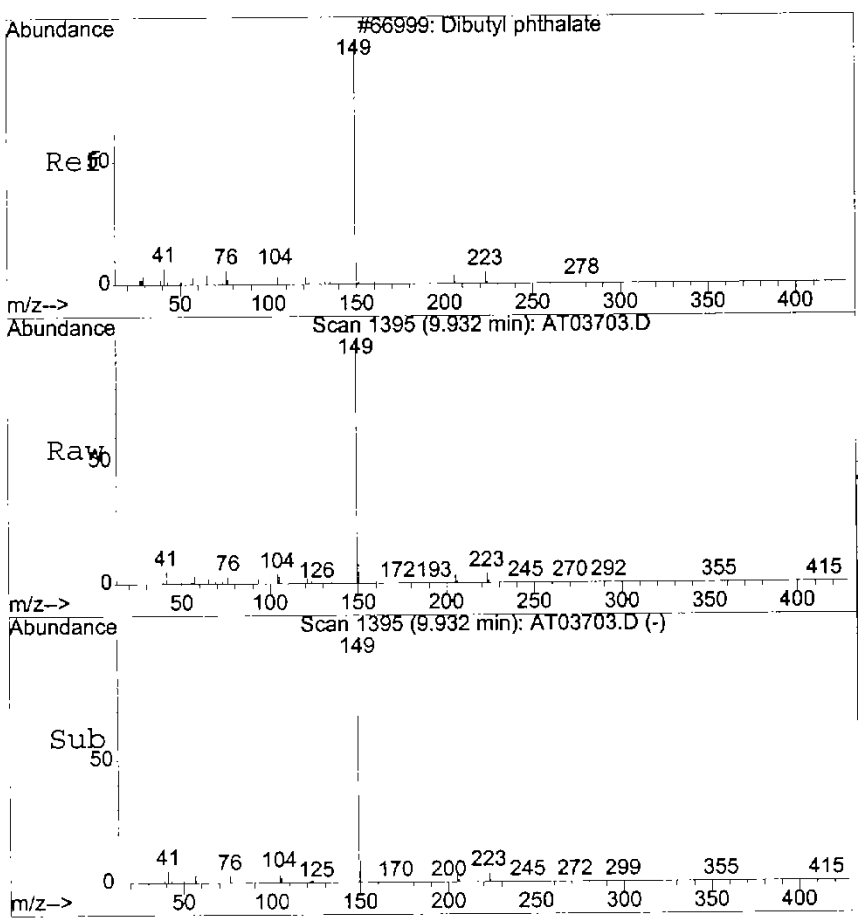


#74
Carbazole
Concen: 6.91 ug/L
RT: 9.55 min Scan# 1324
Delta R.T. 0.01 min
Lab File: AT03703.D
Acq: 1 Mar 2005 3:16 pm

Tgt Ion:167 Resp: 3163

Ion	Ratio	Lower	Upper
167	100		
139	10.0	0.0	42.1

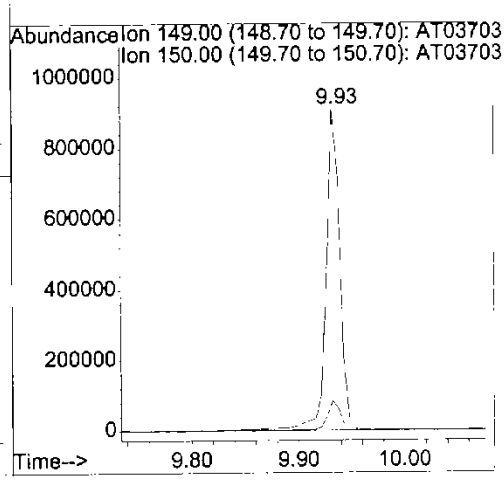


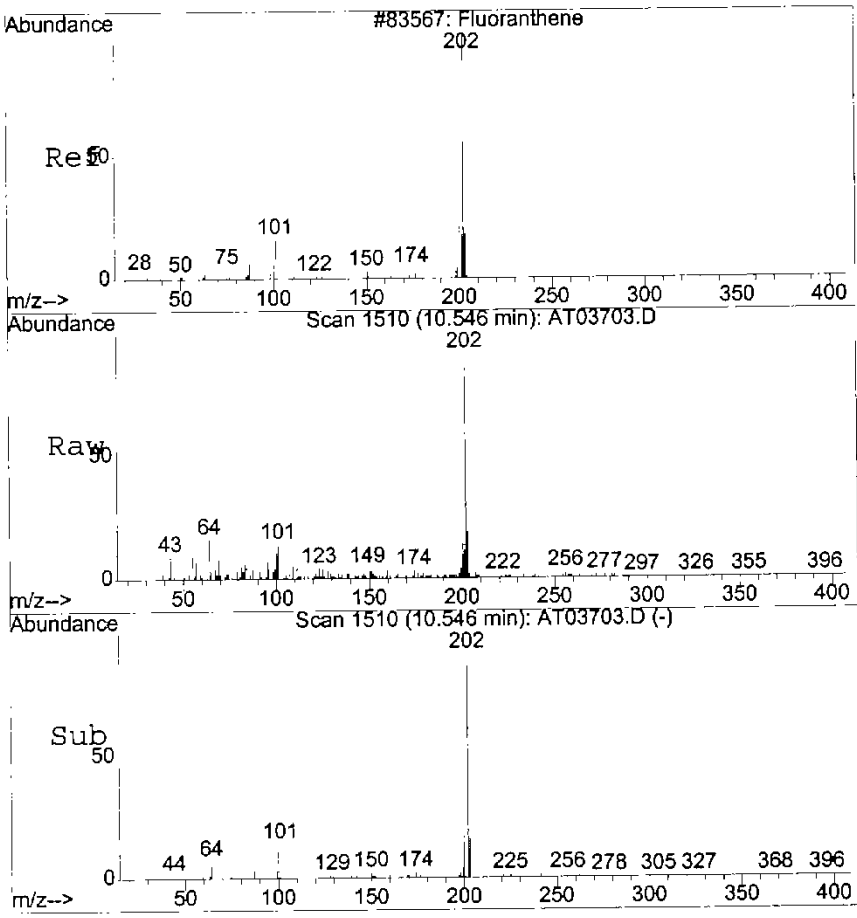


#75
Di-n-butylphthalate
Concen: 1020.00 ug/L
RT: 9.93 min Scan# 1395
Delta R.T. 0.00 min
Lab File: AT03703.D
Acq: 1 Mar 2005 3:16 pm

Tgt Ion:149 Resp: 817562

Ion	Ratio	Lower	Upper
149	100		
150	9.2	0.0	38.8

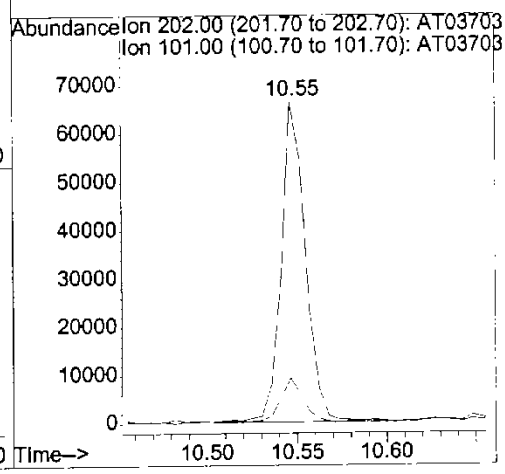


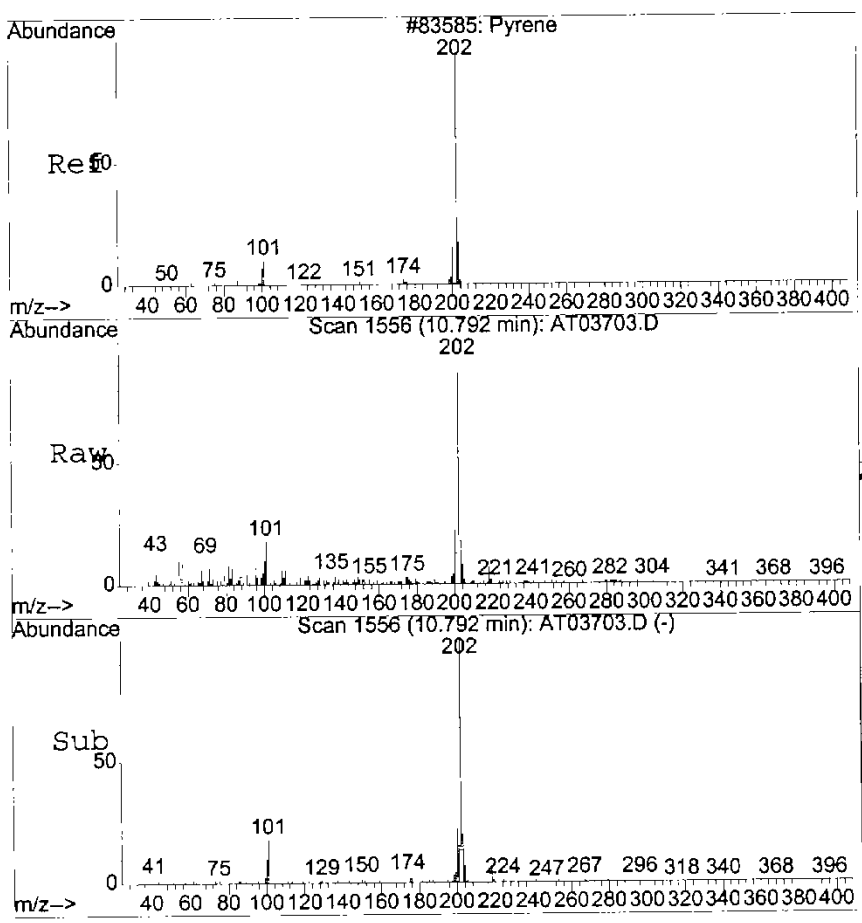


#76
Fluoranthene
Concen: 81.72 ug/L
RT: 10.55 min Scan# 1510
Delta R.T. 0.01 min
Lab File: AT03703.D
Acq: 1 Mar 2005 3:16 pm

Tgt Ion:202 Resp: 62190

Ion	Ratio	Lower	Upper
202	100		
101	13.9	0.0	43.1

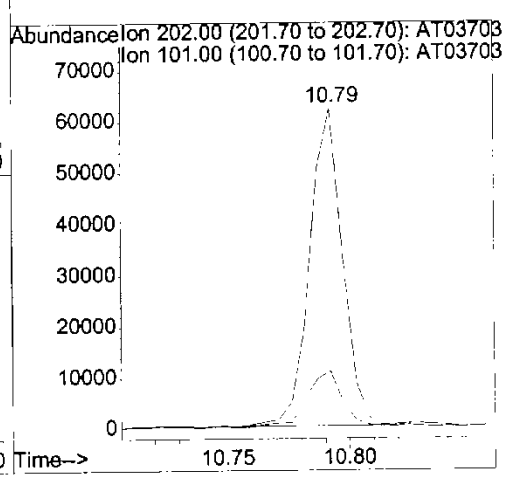


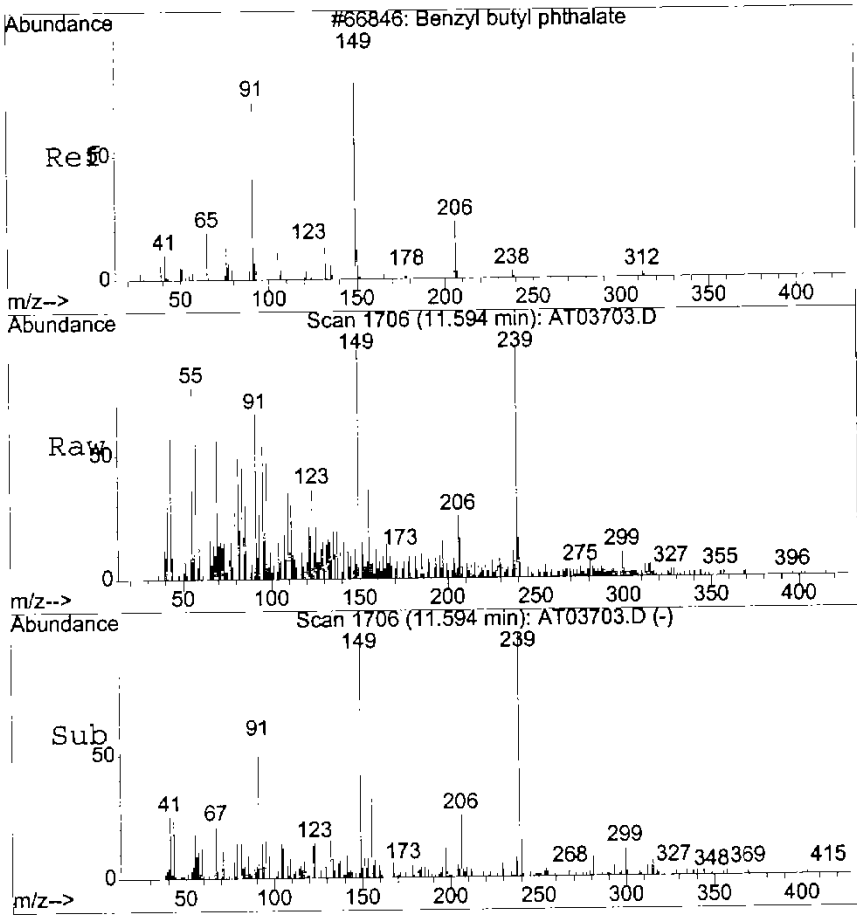


#77
Pyrene
Concen: 73.96 ug/L
RT: 10.79 min Scan# 1556
Delta R.T. 0.01 min
Lab File: AT03703.D
Acq: 1 Mar 2005 3:16 pm

Tgt Ion:202 Resp: 58385

Ion	Ratio	Lower	Upper
202	100		
101	17.7	0.0	44.9

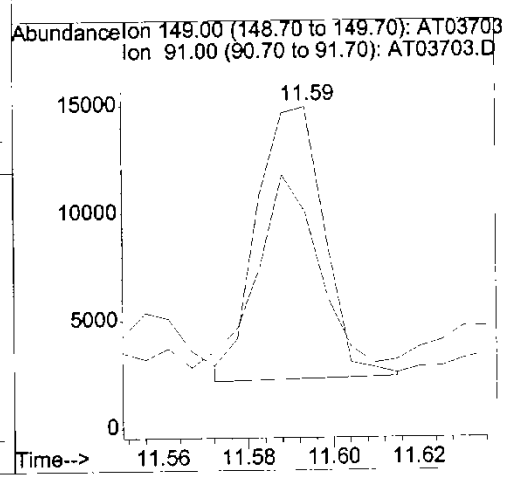


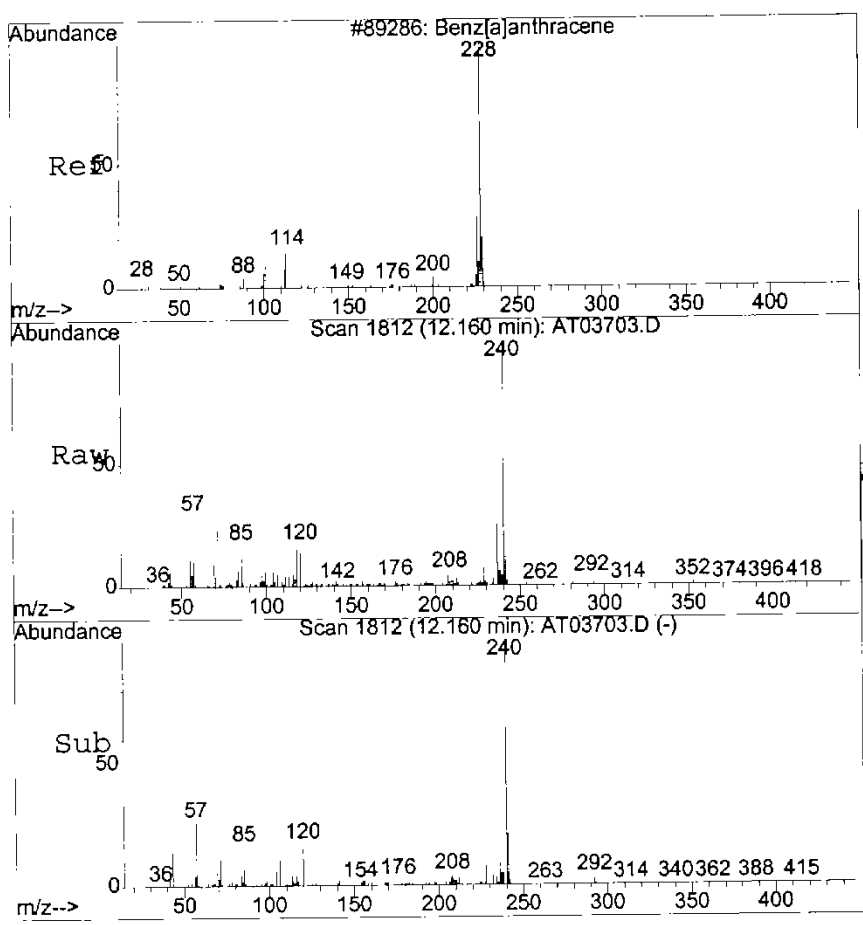


#81
Butylbenzylphthalate
Concen: 109.02 ug/L
RT: 11.59 min Scan# 1706
Delta R.T. 0.01 min
Lab File: AT03703.D
Acq: 1 Mar 2005 3:16 pm

Tgt Ion:149 Resp: 13862

Ion	Ratio	Lower	Upper
149	100		
91	54.9	30.6	90.6

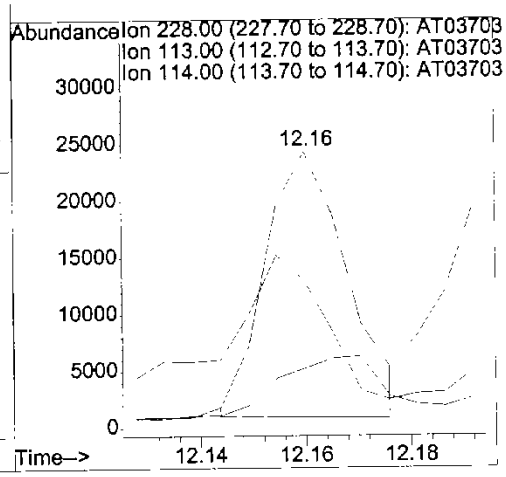


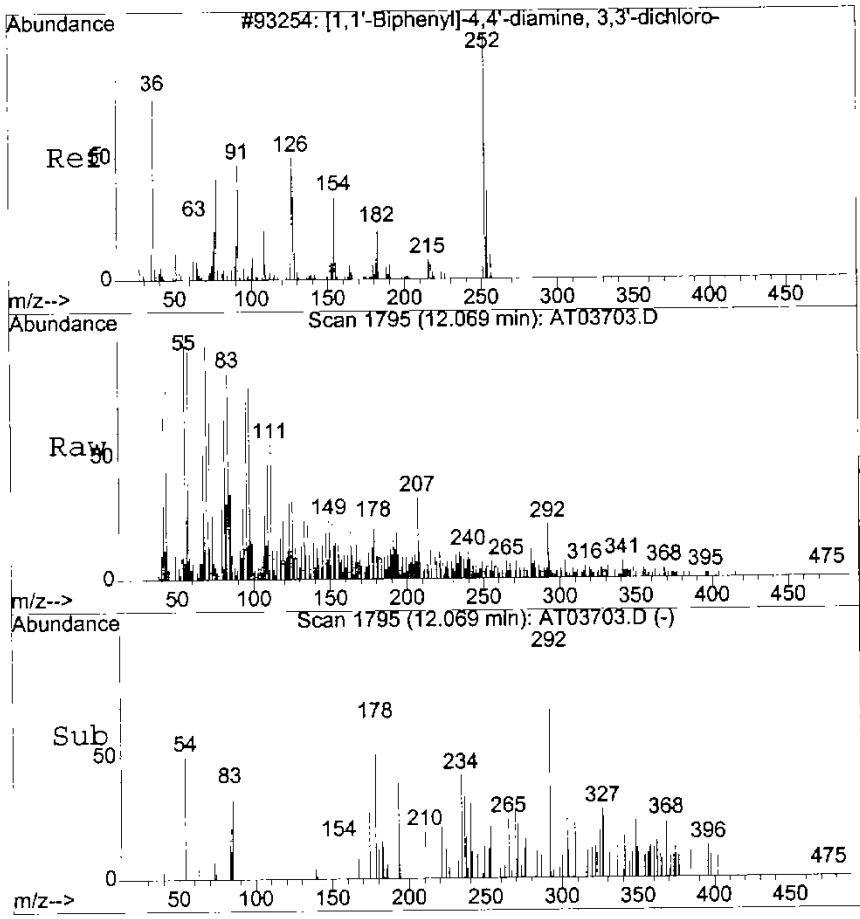


#82
Benzo(a)anthracene
Concen: 35.73 ug/L m
RT: 12.16 min Scan# 1812
Delta R.T. 0.01 min
Lab File: AT03703.D
Acq: 1 Mar 2005 3:16 pm

Tgt Ion:228 Resp: 25296

Ion	Ratio	Lower	Upper
228	100		
113	53.2	0.0	41.1#
114	21.5	0.0	42.7

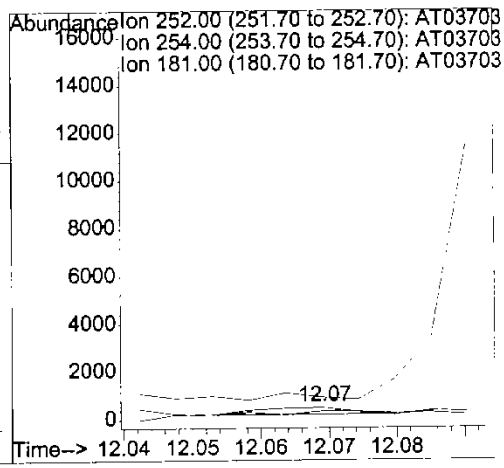


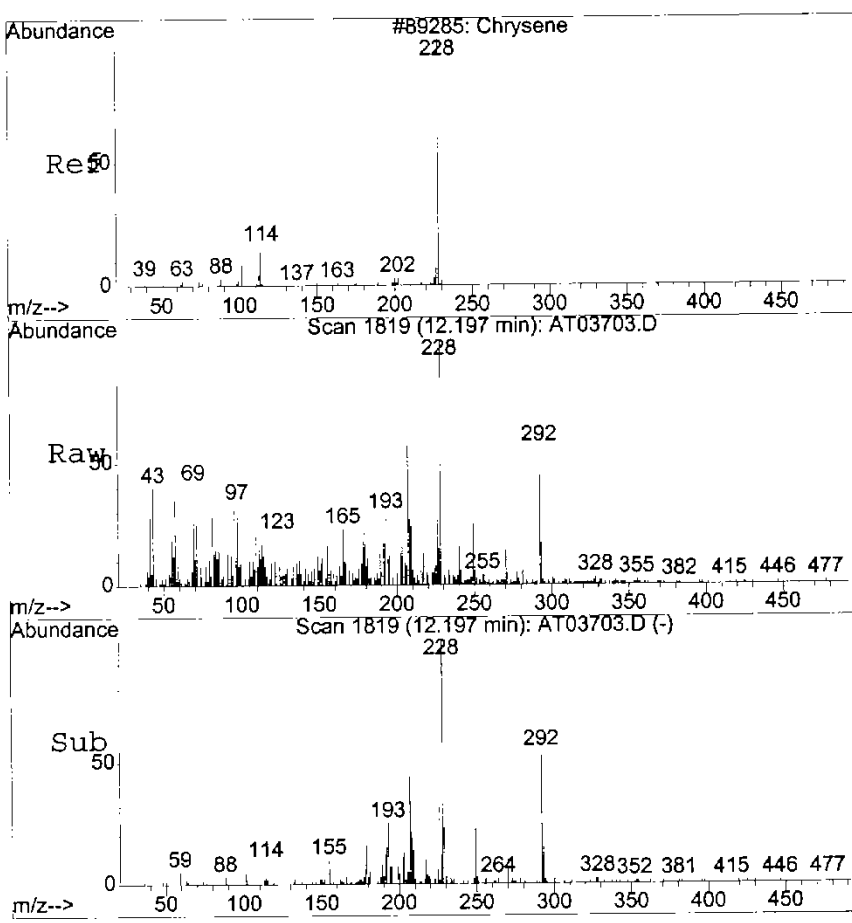


#83
3,3'-Dichlorobenzidine
Concen: 28.72 ug/L
RT: 12.07 min Scan# 1795
Delta R.T. -0.09 min
Lab File: AT03703.D
Acq: 1 Mar 2005 3:16 pm

Tgt Ion:252 Resp: 271

Ion	Ratio	Lower	Upper
252	100		
254	56.2	33.6	93.6
181	0.0	0.0	38.3

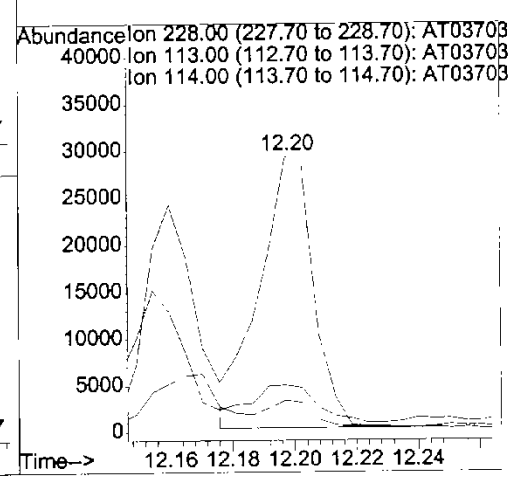


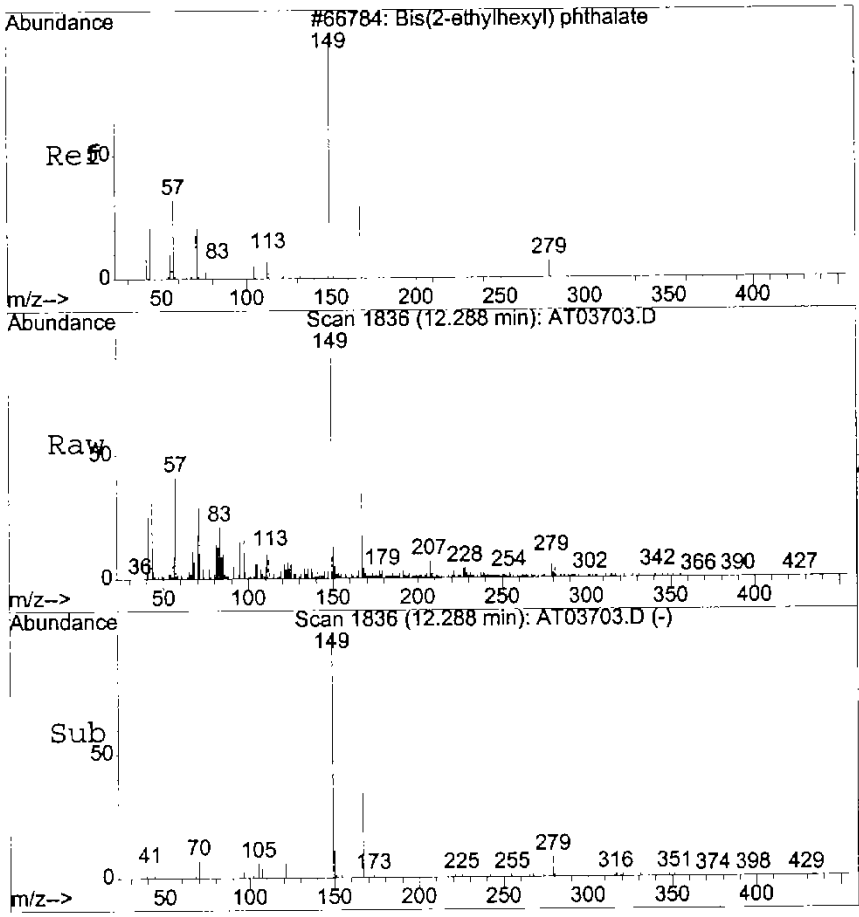


#84
Chrysene
Concen: 47.39 ug/L
RT: 12.20 min Scan# 1819
Delta R.T. 0.01 min
Lab File: AT03703.D
Acq: 1 Mar 2005 3:16 pm

Tgt Ion:228 Resp: 34968

Ion	Ratio	Lower	Upper
228	100		
113	12.2	0.0	42.9
114	6.9	0.0	41.2

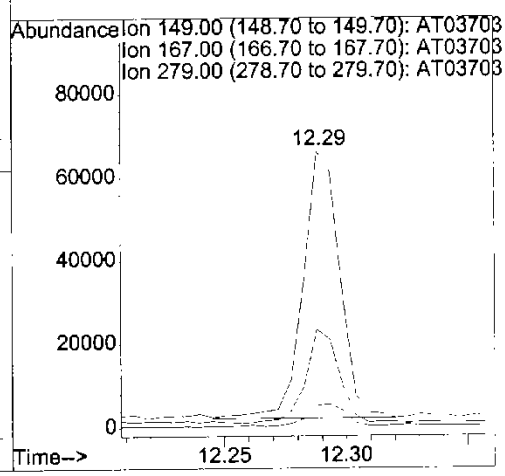


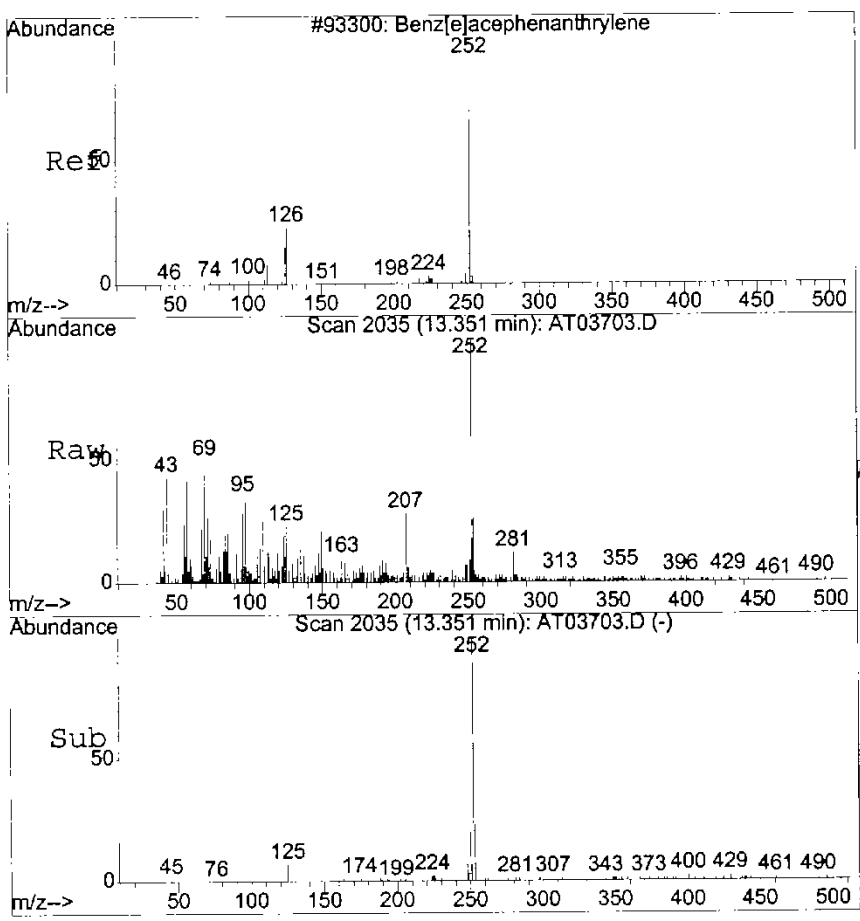


#85
bis(2-Ethylhexyl)phthalate
Concen: 145.92 ug/L
RT: 12.29 min Scan# 1836
Delta R.T. 0.00 min
Lab File: AT03703.D
Acq: 1 Mar 2005 3:16 pm

Tgt Ion:149 Resp: 66715

Ion	Ratio	Lower	Upper
149	100		
167	34.4	2.4	62.4
279	7.5	0.0	39.8

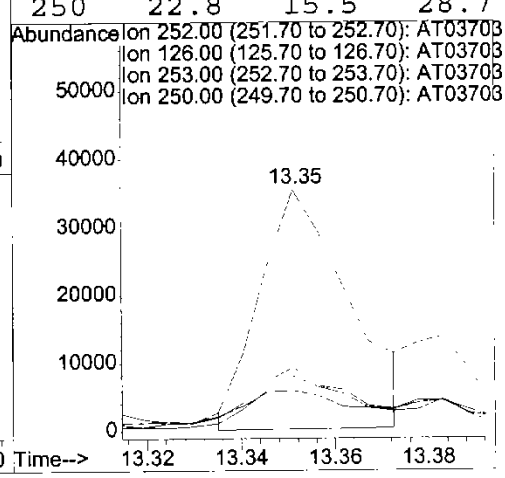


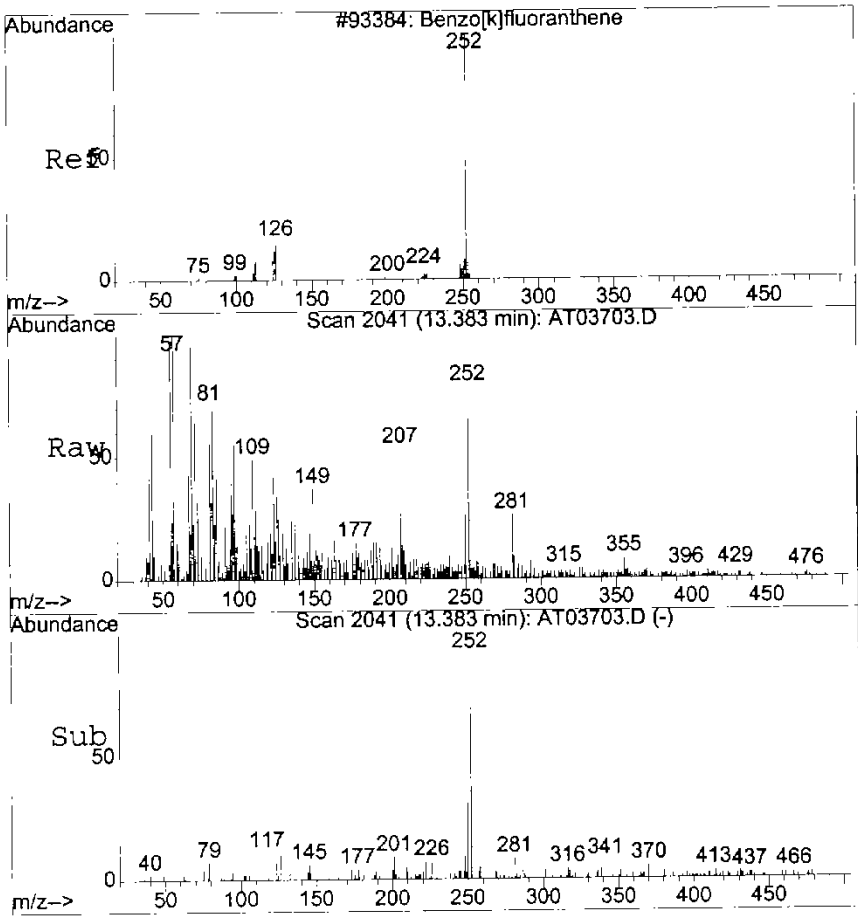


#88
Benzo(b)fluoranthene
Concen: 68.93 ul/l m
RT: 13.35 min Scan# 2035
Delta R.T. 0.01 min
Lab File: AT03703.D
Acq: 1 Mar 2005 3:16 pm

Tgt Ion:252 Resp: 46379

Ion	Ratio	Lower	Upper
252	100		
126	16.7	11.5	21.5
253	26.3	15.2	28.2
250	22.8	15.5	28.7

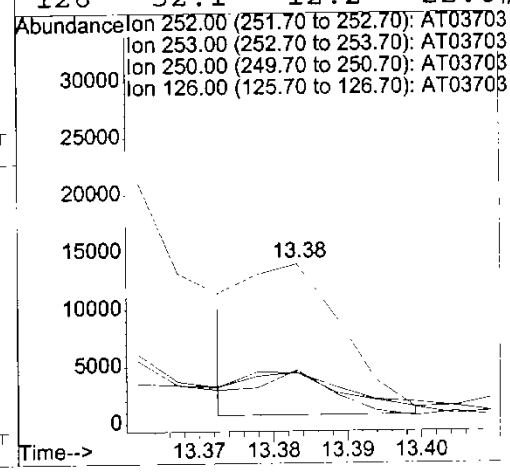


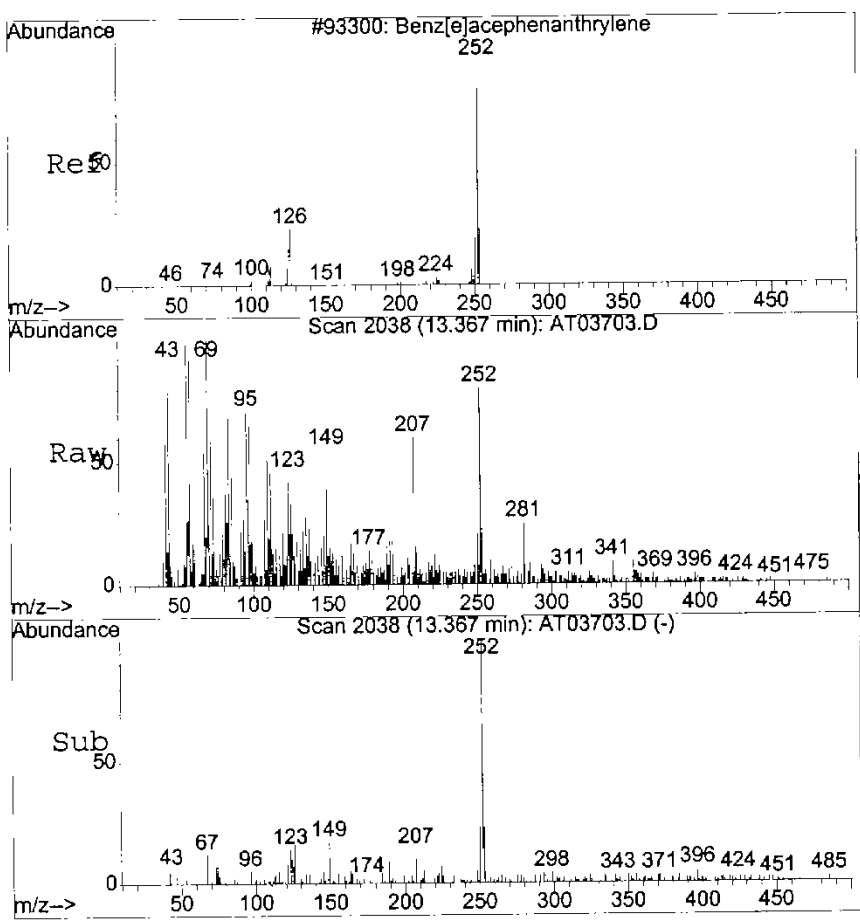


#89
benzo(k)fluoranthene
Concen: 16.70 ul/l m
RT: 13.38 min Scan# 2041
Delta R.T. 0.01 min
Lab File: AT03703.D
Acq: 1 Mar 2005 3:16 pm

Tgt Ion:252 Resp: 12035

Ion	Ratio	Lower	Upper
252	100		
253	31.9	15.3	28.5#
250	33.5	15.5	28.9#
126	32.1	12.2	22.6#

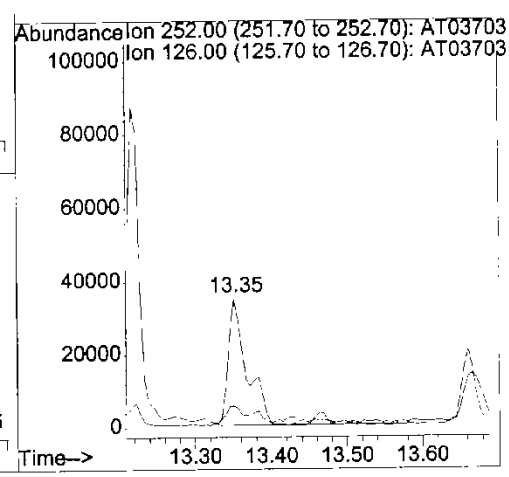


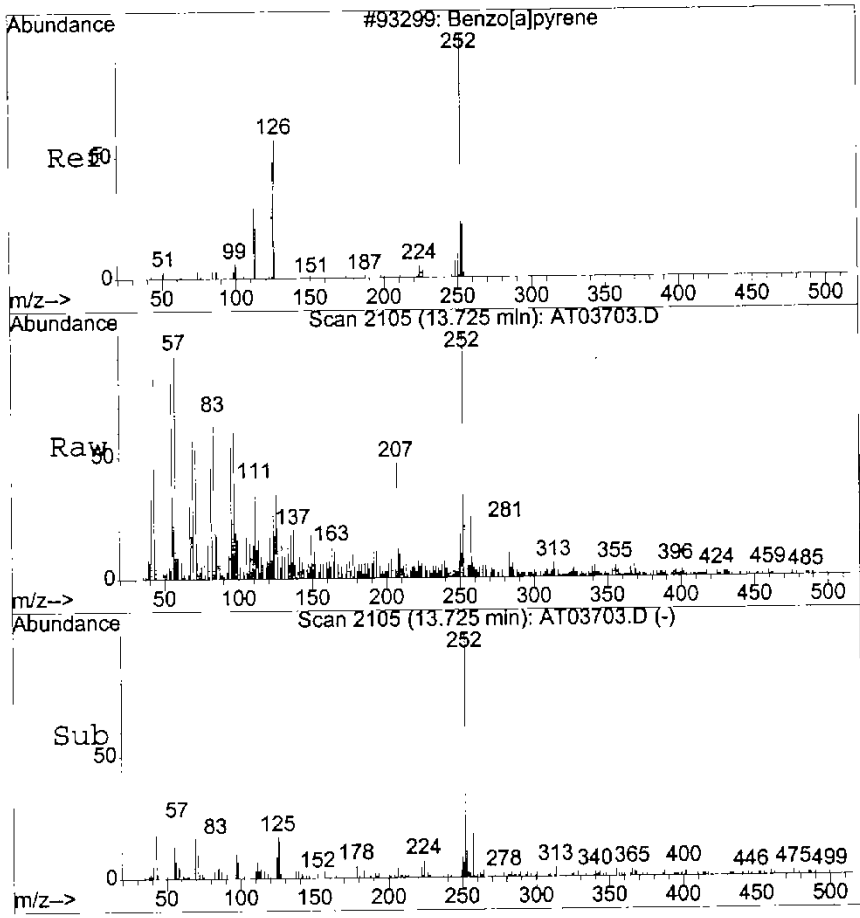


#90
Benzofluoranthenes
Concen: 85.08 ug/L
RT: 13.37 min Scan# 2038
Delta R.T. 0.01 min
Lab File: AT03703.D
Acq: 1 Mar 2005 3:16 pm

Tgt Ion:252 Resp: 62108

Ion	Ratio	Lower	Upper
252	100		
126	16.0	0.0	47.4

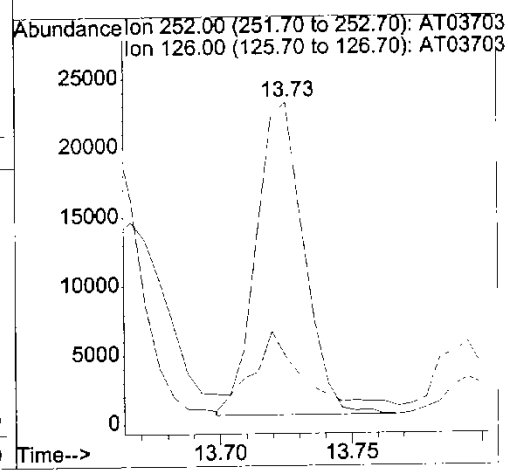


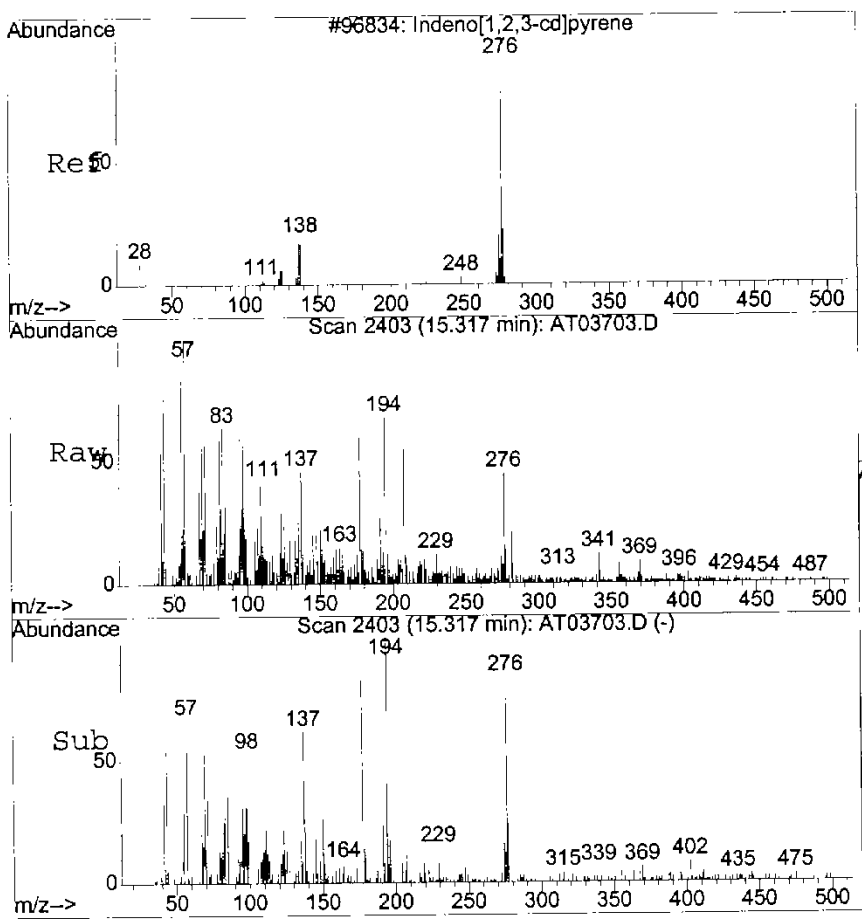


#91
Benzo(a)pyrene
Concen: 45.45 ug/L
RT: 13.72 min Scan# 2105
Delta R.T. 0.01 min
Lab File: AT03703.D
Acq: 1 Mar 2005 3:16 pm

Tgt Ion:252 Resp: 28446

Ion	Ratio	Lower	Upper
252	100		
126	13.7	0.0	45.3

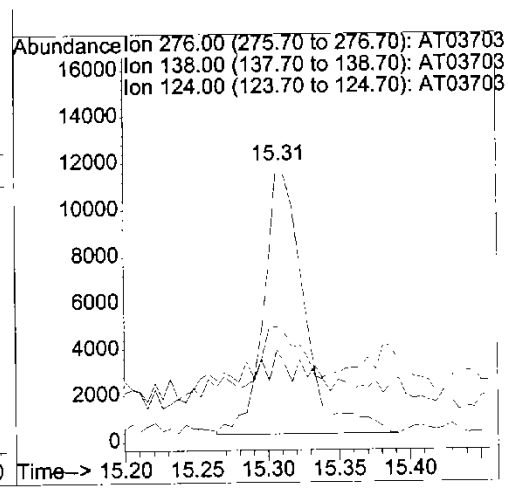


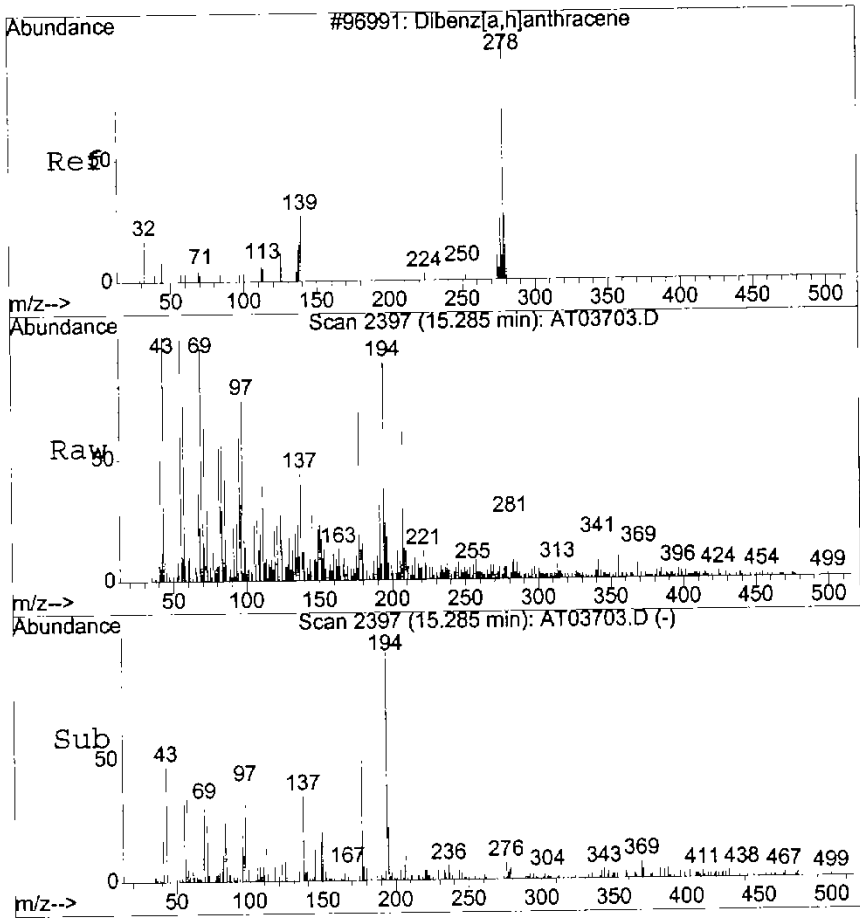


#92
Indeno(1,2,3-cd)pyrene
Concen: 51.90 ug/L
RT: 15.31 min Scan# 2403
Delta R.T. 0.02 min
Lab File: AT03703.D
Acq: 1 Mar 2005 3:16 pm

Tgt Ion:276 Resp: 22677

Ion	Ratio	Lower	Upper
276	100		
138	15.2	0.0	51.8
124	0.0	0.0	35.4

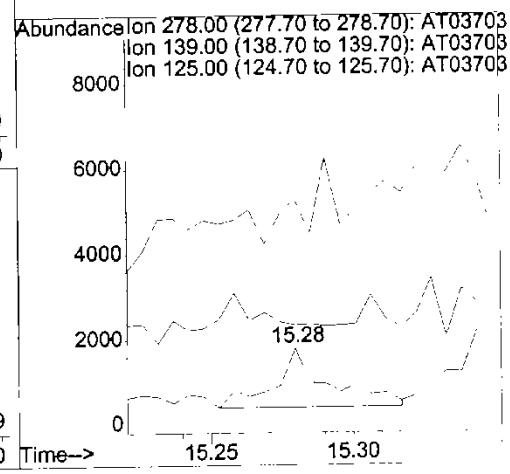


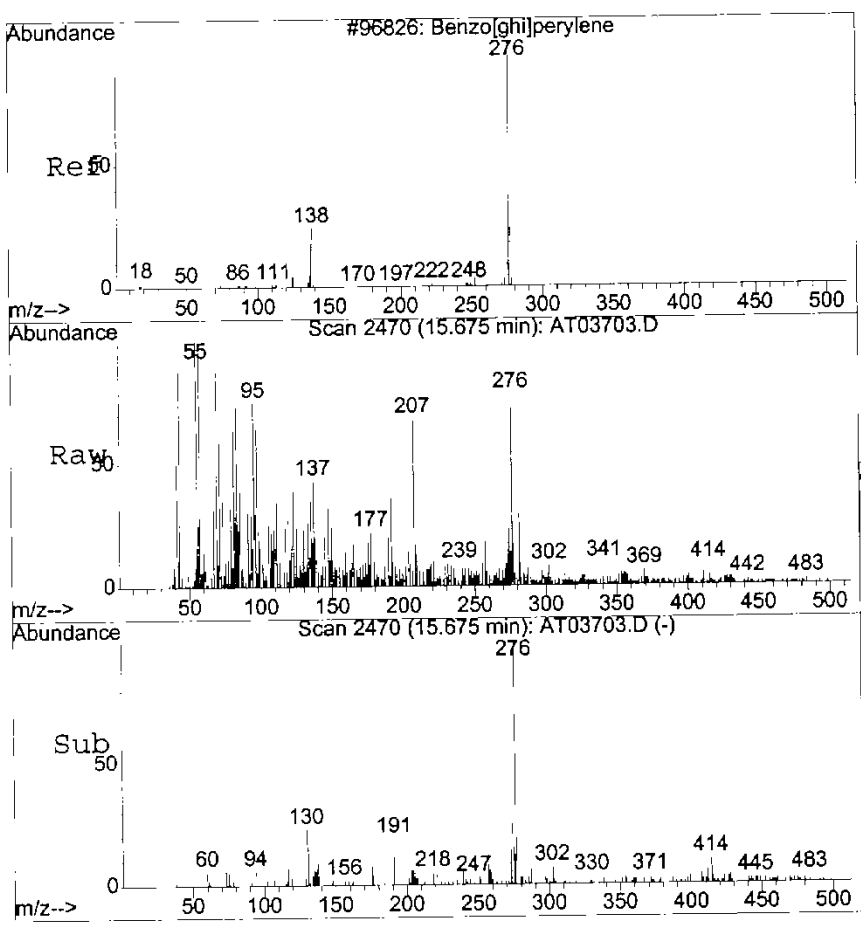


#93
Dibenz(a,h)anthracene
Concen: 15.14 ug/L
RT: 15.29 min Scan# 2397
Delta R.T. -0.06 min
Lab File: AT03703.D
Acq: 1 Mar 2005 3:16 pm

Tgt Ion:278 Resp: 1845

Ion	Ratio	Lower	Upper
278	100		
139	0.0	0.0	46.7
125	0.0	0.0	35.8

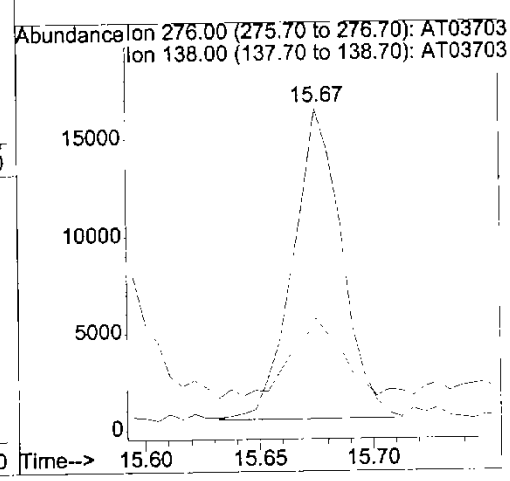




#94
Benzo(g,h,i)perylene
Concen: 34.20 ug/L
RT: 15.68 min Scan# 2470
Delta R.T. 0.01 min
Lab File: AT03703.D
Acq: 1 Mar 2005 3:16 pm

Tgt Ion:276 Resp: 23909

Ion	Ratio	Lower	Upper
276	100		
138	24.7	0.0	54.3



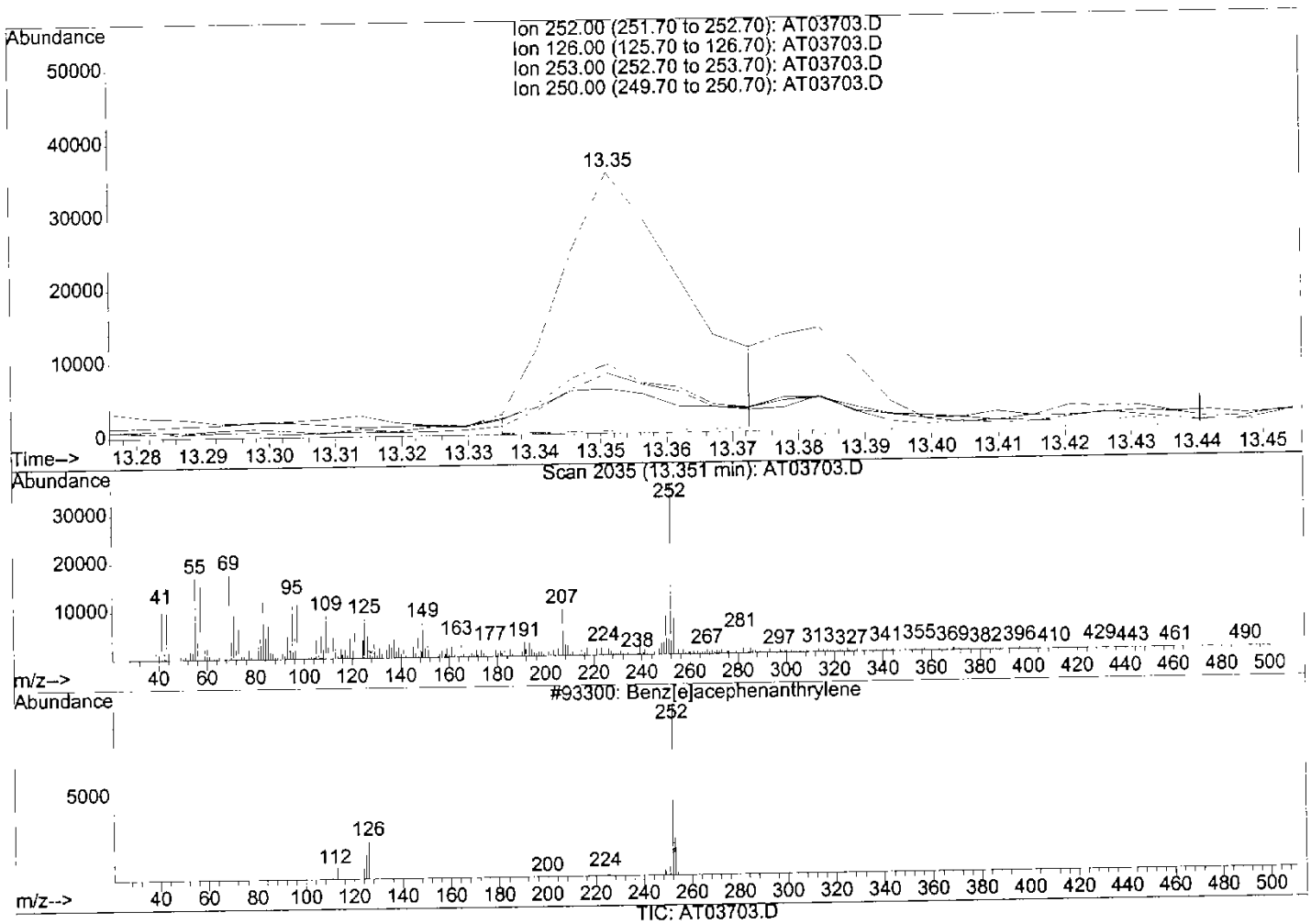
Quantification Report (Qedit)

Data File : H:\DATA\030105_A\AT03703.D
Acq On : 1 Mar 2005 3:16 pm
Sample : 126377-2 &1 1:5 ss1348
Misc :
MS Integration Params: Rteint.p
Quant Time: Mar 2 6:32 2005

Vial: 17
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00

Quant Results File: temp.res

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Feb 28 14:16:48 2005
Response via : Multiple Level Calibration



(88) Benzo(b)fluoranthene (T)

13.35min 68.93ul/l m

response 46379

Ion	Exp%	Act%
252.00	100	100
126.00	16.50	16.71
253.00	21.70	26.26
250.00	22.10	22.79

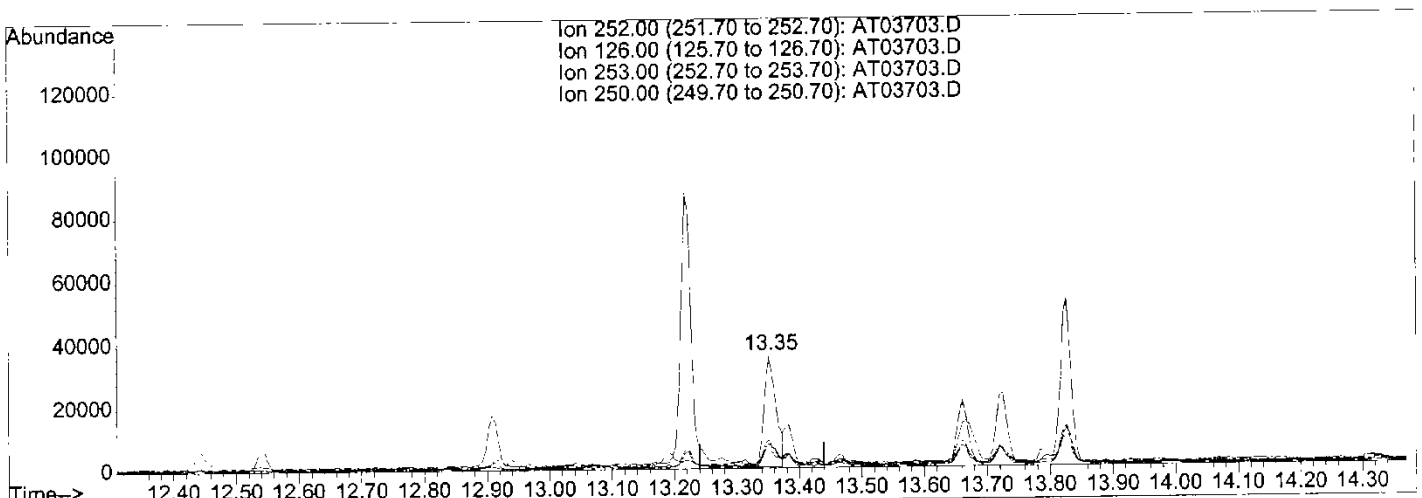
Quantitation Report (Qedit)

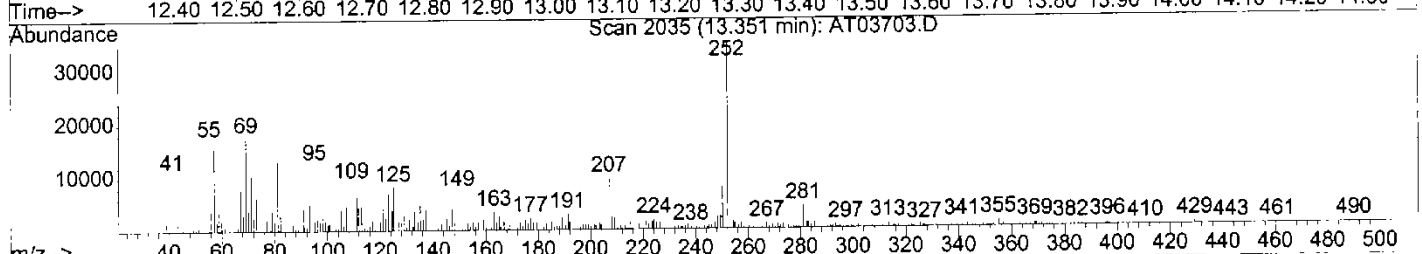
Data File : H:\DATA\030105_A\AT03703.D
Acq On : 1 Mar 2005 3:16 pm
Sample : 126377-2 &1 1:5 ss1348
Misc :
MS Integration Params: Rteint.p
Quant Time: Mar 2 6:27 2005

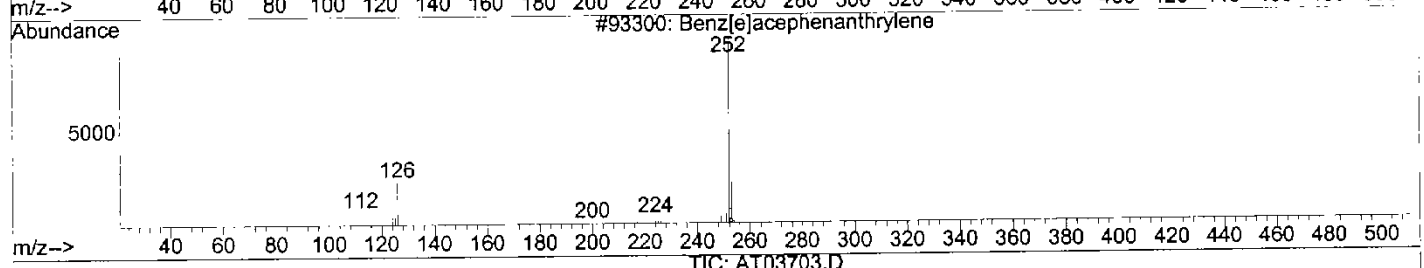
Vial: 17
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00

Quant Results File: temp.res

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Feb 28 14:16:48 2005
Response via : Multiple Level Calibration







TIC: AT03703.D

(88) Benzo(b)fluoranthene (T)

13.35min 70.21ul/l

response 47431

Ion	Exp%	Act%
252.00	100	100
126.00	16.50	10.64#
253.00	21.70	23.32
250.00	22.10	21.40

3/2/05

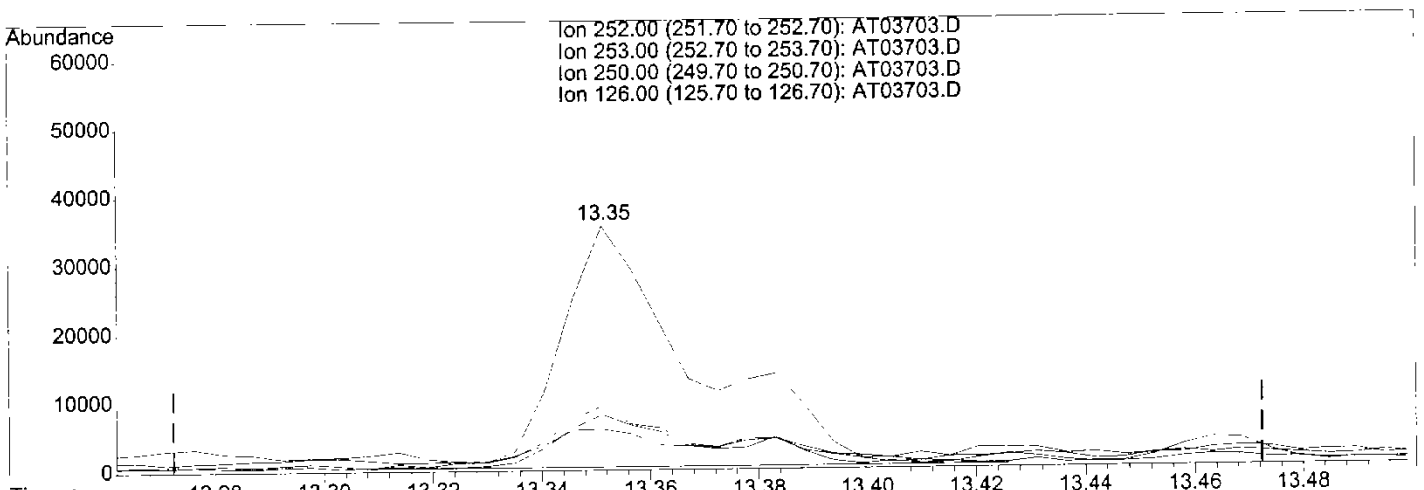
Quantitation Report (Qedit)

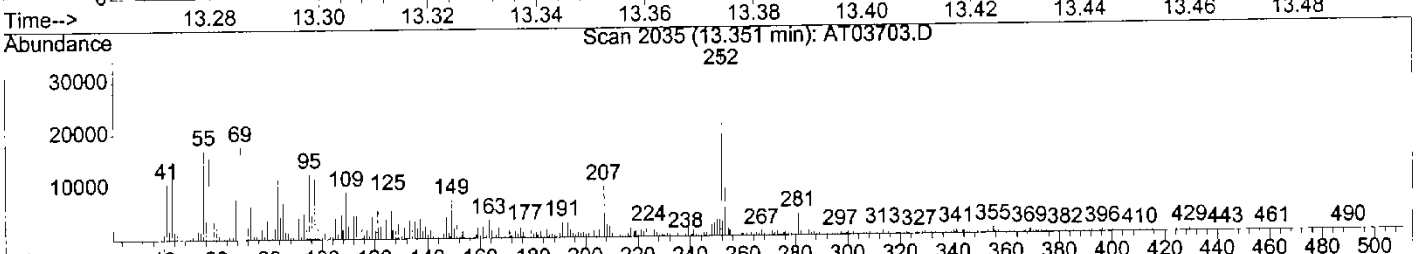
Data File : H:\DATA\030105_A\AT03703.D
Acq On : 1 Mar 2005 3:16 pm
Sample : 126377-2 &1 1:5 ss1348
Misc :
MS Integration Params: Rteint.p
Quant Time: Mar 2 6:32 2005

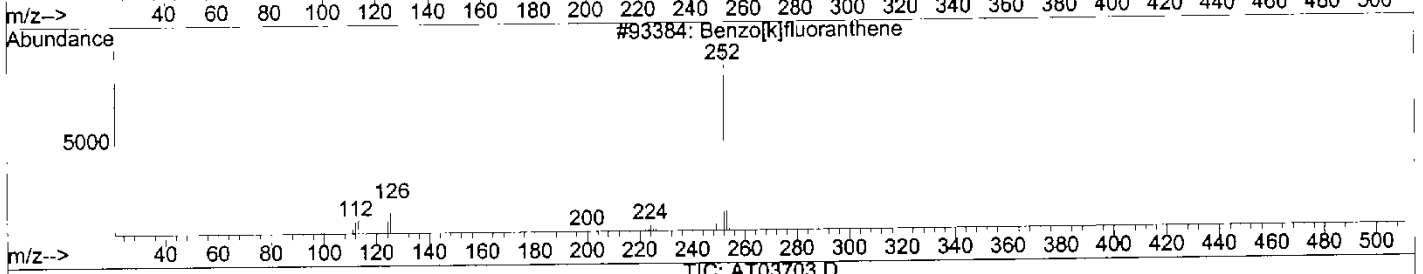
Vial: 17
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00

Quant Results File: temp.res

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Feb 28 14:16:48 2005
Response via : Multiple Level Calibration







(89) benzo(k)fluoranthene (T)

13.35min 83.89ul/l

response 60455

Ion	Exp%	Act%
252.00	100	100
253.00	21.90	21.82
250.00	22.20	19.60
126.00	17.40	9.63#

3/01/05

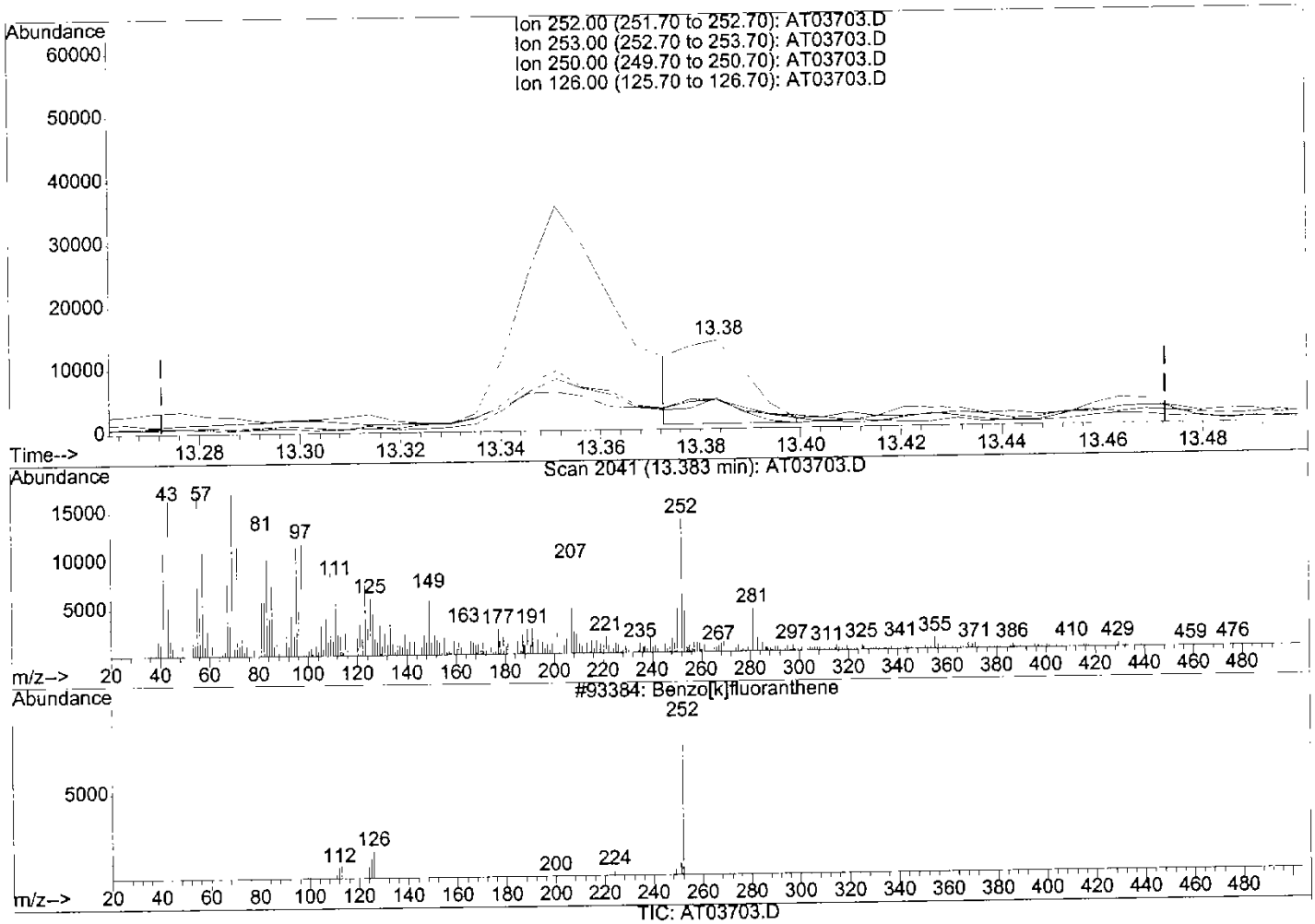
Quantitation Report (Qedit)

Data File : H:\DATA\030105_A\AT03703.D
Acq On : 1 Mar 2005 3:16 pm
Sample : 126377-2 &1 1:5 ss1348
Misc :
MS Integration Params: Rteint.p
Quant Time: Mar 2 6:32 2005

Vial: 17
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00

Quant Results File: temp.res

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Feb 28 14:16:48 2005
Response via : Multiple Level Calibration



(89) benzo(k)fluoranthene (T)

13.38min 16.70ul/l m

response 12035

Ion	Exp%	Act%
252.00	100	100
253.00	21.90	31.94#
250.00	22.20	33.53#
126.00	17.40	32.10#

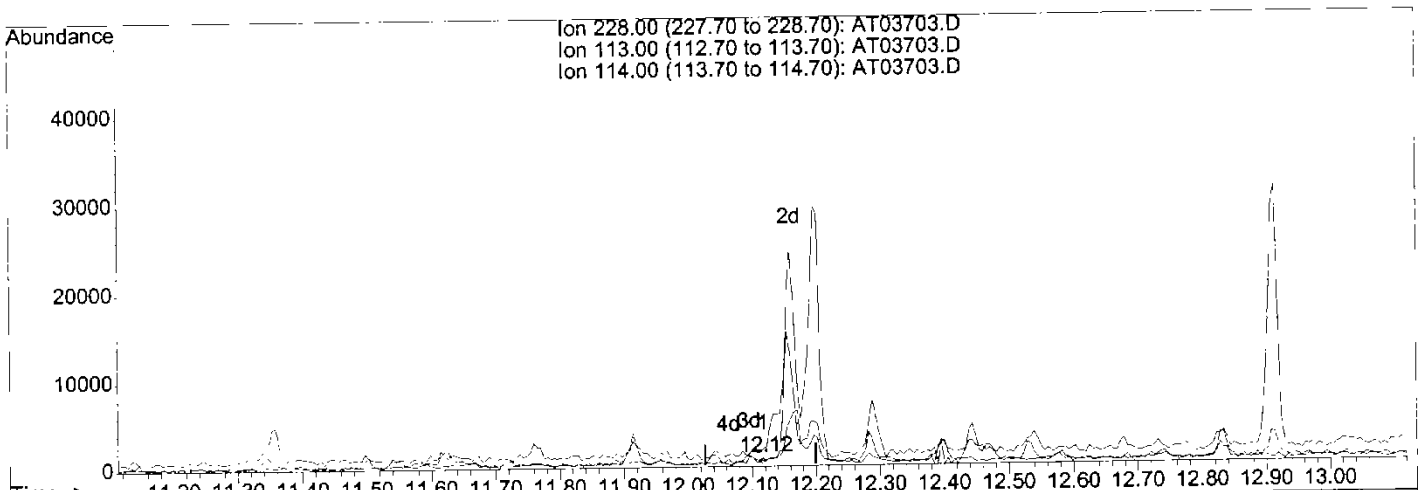
Quantitation Report (Qedit)

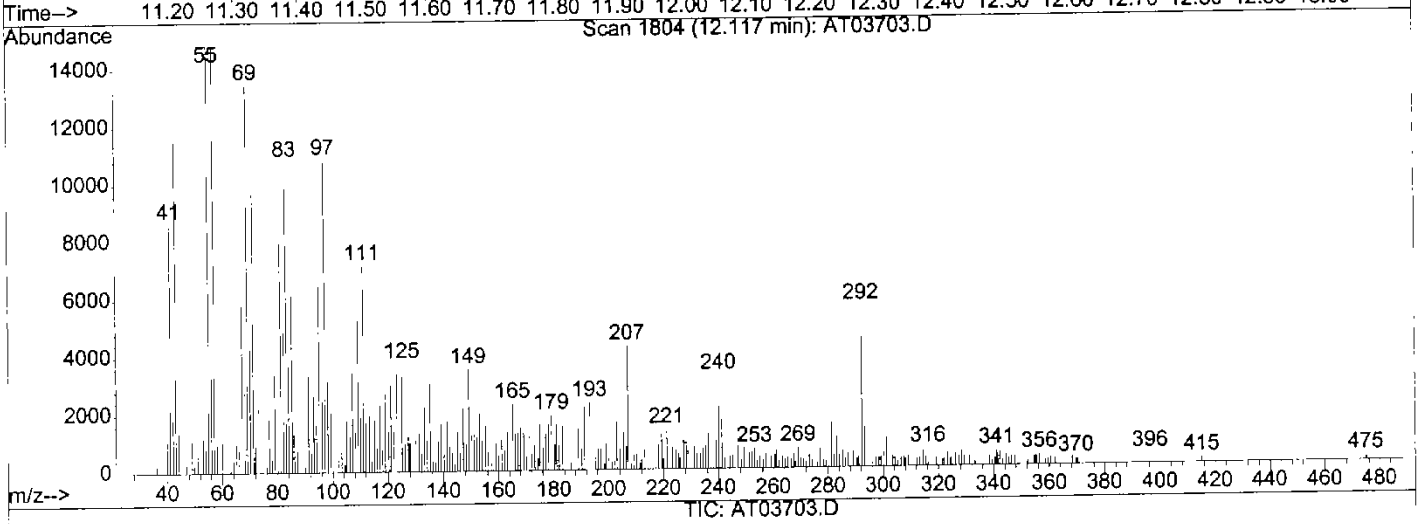
Data File : H:\DATA\030105_A\AT03703.D
Acq On : 1 Mar 2005 3:16 pm
Sample : 126377-2 &1 1:5 ss1348
Misc :
MS Integration Params: Rteint.p
Quant Time: Mar 2 6:32 2005

Vial: 17
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00

Quant Results File: temp.res

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Feb 28 14:16:48 2005
Response via : Multiple Level Calibration





(82) Benzo(a)anthracene (T)

12.12min 0.14ug/L

response 100

Ion	Exp%	Act%
228.00	100	100
113.00	11.10	32.67
114.00	12.70	0.00
0.00	0.00	0.00

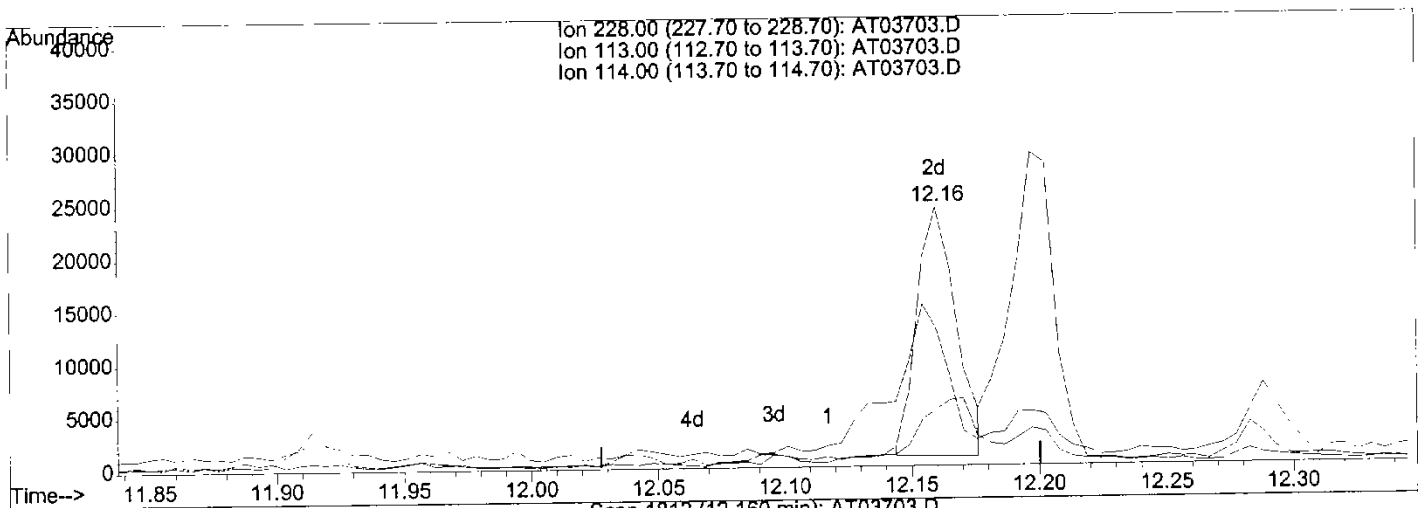
Quantitation Report (Qedit)

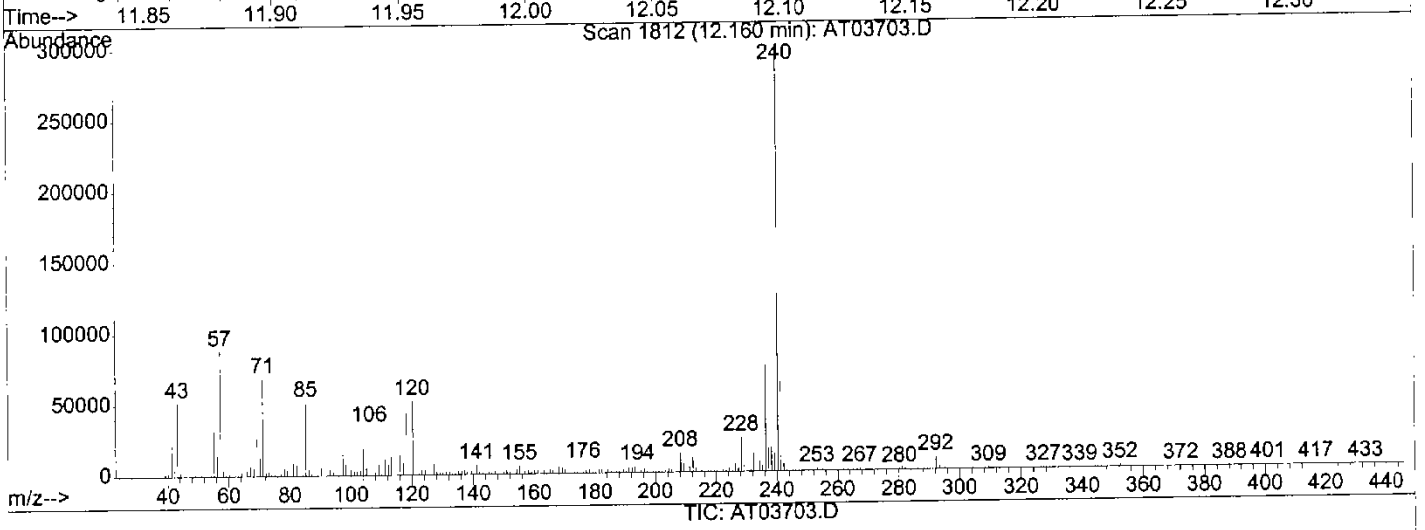
Data File : H:\DATA\030105_A\AT03703.D
Acq On : 1 Mar 2005 3:16 pm
Sample : 126377-2 &1 1:5 ss1348
Misc :
MS Integration Params: Rteint.p
Quant Time: Mar 2 8:09 2005

Vial: 17
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00

Quant Results File: temp.res

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Feb 28 14:16:48 2005
Response via : Multiple Level Calibration





(82) Benzo(a)anthracene (T)

12.16min 35.73ug/L m

response 25296

Ion	Exp%	Act%
228.00	100	100
113.00	11.10	53.21#
114.00	12.70	21.52
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : H:\DATA\030105_A\AT03697.D
Acq On : 1 Mar 2005 12:04 pm
Sample : 126377-3 &1
Misc :
MS Integration Params: Rteint.p
Quant Time: Mar 01 12:40:01 2005

Vial: 11
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00

Quant Results File: 8270_022505.RES

Quant Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Feb 28 14:16:48 2005
Response via : Initial Calibration
DataAcq Meth : 8270EXT

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4 (I)	5.42	152	273098	1000.000 ug/L	0.00
23) Naphthalene - d8 (I)	6.54	136	1062765	1000.000 ug/L	0.00
39) Acenaphthene - d10 (I)	8.00	162	553312	1000.000 ug/L	0.00
63) Phenanthrene - d10 (I)	9.30	188	1005294	1000.000 ug/L	0.00
80) Chrysene - d12 (I)	12.17	240	1004215	1000.000 ul/l	0.00
86) Perylene - d12 (I)	13.79	264	974160	1000.000 ug/L	0.01
System Monitoring Compounds					
4) 2 - Fluorophenol (S)	4.14	112	141650	619.47 ug/L	-0.01
8) Phenol - d5 (S)	5.12	99	220989	858.65 ug/L	0.00
24) Nitrobenzene - d5 (S)	5.93	82	93987	431.32 ug/L	0.00
44) 2 - Fluorobiphenyl (S)	7.45	172	193229	323.66 ug/L	0.00
66) 2,4,6 - Tribromophenol (S)	8.67	330	84989	863.50 ug/L	0.00
79) p - Terphenyl - d14 (S)	11.00	244	483823	794.90 ug/L	0.00
Target Compounds					Qvalue
5) Cyclohexanone	4.41	55	2322	12.961 ul/L	91
6) Benzaldehyde	5.03	105	53567	259.062 ul/L	97
9) Phenol	5.14	94	42972	156.595 ug/L	77
15) Benzyl alcohol	5.58	79	25153	169.156 ug/L	97
19) 3-&4-Methylphenol	5.82	108	11348	75.317 ug/L	84
20) n-Nitroso-di-n-propylamine	5.81	70	7793	74.158 ug/L	60
21) Acetophenone	5.74	105	4520	18.715 ul/L	86
26) Isophorone	6.16	82	2897	6.609 ug/L	76
27) 2-Nitrophenol	6.22	139	2844	23.438 ug/L	86
30) Benzoic Acid	6.35	105	115453	1311.474 ug/L	97
33) Naphthalene	6.56	128	30096	36.692 ug/L	99
34) 4-Chloroaniline	6.67	127	1588	9.920 ug/L	78
37) 2-Methylnaphthalene	7.14	141	7827	18.010 ug/L	72
38) 1-Methylnaphthalene	7.22	141	5193	11.469 ul/l	64
46) Biphenyl	7.53	154	5467	8.814 ul/L	100
48) Dimethylphthalate	7.80	163	8822	16.978 ug/L	89
49) Acenaphthylene	7.89	152	15848	20.768 ug/L	99
51) 3-Nitroaniline	7.96	138	865	Below Cal	77
52) Acenaphthene	8.03	153	15484	30.837 ug/L	87
53) 2,4-Dinitrophenol	7.97	184	81	344.645 ug/L	51
55) Dibenzofuran	8.17	168	11649	17.317 ug/L	90
56) 2,4-Dinitrotoluene	8.13	165	757	35.713 ug/L	64
59) Diethylphthalate	8.38	149	45741	83.235 ug/L	95
60) Fluorene	8.46	166	20178	38.977 ug/L	98
70) Pentachlorophenol	9.13	266	7273	80.196 ug/L	80
71) Phenanthrene	9.33	178	167514	204.383 ug/L	97

(#) = qualifier out of range (m) = manual integration

00348

Quantitation Report (Not Reviewed)

Data File : H:\DATA\022505_A\AT03678.D
Acq On : 25 Feb 2005 3:59 pm
Sample : 126377-3 &1
Misc :
MS Integration Params: Rteint.p
Quant Time: Feb 28 06:57:25 2005

Vial: 19
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: 8270_022505.RES

Quant Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Fri Feb 25 12:17:02 2005
Response via : Initial Calibration
DataAcq Meth : 8270EXT

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4 (I)	5.56	152	272911	1000.000 ug/L	0.00
23) Naphthalene - d8 (I)	6.66	136	1058637	1000.000 ug/L	0.00
39) Acenaphthene - d10 (I)	8.13	162	573632	1000.000 ug/L	0.00
63) Phenanthrene - d10 (I)	9.45	188	1039774	1000.000 ug/L	0.00
80) Chrysene - d12 (I)	12.34	240	1099845	1000.000 ul/l	0.00
86) Perylene - d12 (I)	14.01	264	1068182	1000.000 ug/L	0.02
System Monitoring Compounds					
4) 2 - Fluorophenol (S)	4.30	112	122656	536.77 ug/L	-0.03
8) Phenol - d5 (S)	5.25	99	182424	709.29 ug/L	0.00
24) Nitrobenzene - d5 (S)	6.05	82	92345	425.43 ug/L	-0.01
44) 2 - Fluorobiphenyl (S)	7.58	172	324932	524.98 ug/L	0.00
66) 2,4,6 - Tribromophenol (S)	8.80	330	95426	934.87 ug/L	0.00
79) p - Terphenyl - d14 (S)	11.16	244	525745	835.14 ug/L	0.00
Target Compounds					Qvalue
5) Cyclohexanone	4.56	55	3460	19.326 ul/L	83
6) Benzaldehyde	5.17	105	133848	647.763 ul/L	89
9) Phenol	5.27	94	24626	89.801 ug/L	69
12) Decane	5.43	57	10613	38.227 ul/L	91
13) 1,3-Dichlorobenzene	5.50	146	2190	6.883 ug/L	66
14) 1,4-Dichlorobenzene	5.57	146	2530	7.655 ug/L	92
15) Benzyl alcohol	5.70	79	18451	130.290 ug/L	92
19) 3-&4-Methylphenol	5.94	108	22930	125.591 ug/L	87
21) Acetophenone	5.93	105	12383	41.596 ul/L	96
26) Isophorone	6.28	82	2830	6.482 ug/L	92
27) 2-Nitrophenol	6.30	139	1771	14.652 ug/L	83
30) Benzoic Acid	6.47	105	118056	1336.491 ug/L	98
32) 1,2,4-Trichlorobenzene	6.61	180	3354	12.386 ug/L	80
33) Naphthalene	6.68	128	57305	70.136 ug/L	97
37) 2-Methylnaphthalene	7.27	141	15411	35.600 ug/L	83
38) 1-Methylnaphthalene	7.35	141	9574	21.227 ul/l	84
46) Biphenyl	7.66	154	12731	19.798 ul/L	92
47) 2-Nitroaniline	7.78	138	597	25.423 ug/L	79
49) Acenaphthylene	8.01	152	19139	24.192 ug/L	90
51) 3-Nitroaniline	8.09	138	318	Below Cal #	12
52) Acenaphthene	8.15	153	27047	51.957 ug/L	88
53) 2,4-Dinitrophenol	8.19	184	1799	~~373.210 ug/L~~	51
55) Dibenzofuran	8.30	168	21301	30.544 ug/L	84
57) 2,3,4,6-Tetrachlorophenol	8.37	232	738	~~55.990 ug/L~~	64
59) Diethylphthalate	8.51	149	31135	54.650 ug/L	92
60) Fluorene	8.59	166	40184	74.872 ug/L	96

(#) = qualifier out of range (m) = manual integration

00349

Quantitation Report (Not Reviewed)

Data File : H:\DATA\022505_A\AT03678.D
Acq On : 25 Feb 2005 3:59 pm
Sample : 126377-3 &1
Misc :
MS Integration Params: Rteint.p
Quant Time: Feb 28 06:57:25 2005

Vial: 19
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00

Quant Results File: 8270_022505.RES

Quant Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Fri Feb 25 12:17:02 2005
Response via : Initial Calibration
DataAcq Meth : 8270EXT

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
65)	n-Nitrosodiphenylamine	8.70	169	3334	~~17.517 ug/L~~	97
70)	Pentachlorophenol	9.27	266	4300	45.842 ug/L	57
71)	Phenanthrene	9.47	178	246927	291.285 ug/L	97
72)	Anthracene	9.52	178	49472	64.345 ug/L	84
73)	Octadecane	9.38	57	68929	280.189 ul/L	88
74)	Carbazole	9.69	167	23194	44.562 ug/L	89
75)	Di-n-butylphthalate	10.08	149	3998136	4387.600 ug/L	100
76)	Fluoranthene	10.72	202	528232	610.527 ug/L	99
77)	Pyrene	10.95	202	546014	608.433 ug/L	93
78)	Benzidine	10.66	184	5415	44.008 ul/l	59
81)	Butylbenzylphthalate	11.74	149	44777	181.489 ug/L	93
82)	Benzo(a)anthracene	12.33	228	282404	353.460 ug/L	86
84)	Chrysene	12.36	228	466376	560.022 ug/L	93
85)	bis(2-Ethylhexyl)phthalate	12.44	149	231844	449.289 ug/L	99
87)	Di-n-octylphthalate	13.19	149	57780	~~69.804 ug/L~~	86
88)	Benzo(b)fluoranthene	13.54	252	589480	641.636 ul/l	98
89)	benzo(k)fluoranthene	13.57	252	165909	202.362 ul/l	96
90)	Benzofluoranthenes	13.56	252	818000	984.968 ug/L	84
91)	Benzo(a)pyrene	13.93	252	289393	406.428 ug/L	98
92)	Indeno(1,2,3-cd)pyrene	15.46	276	44879	75.996 ug/L	76
93)	Dibenz(a,h)anthracene	15.57	278	18585	~~34.777 ug/L~~	67
94)	Benzo(g,h,i)perylene	15.94	276	251326	316.029 ug/L	98

(#) = qualifier out of range (m) = manual integration

00350

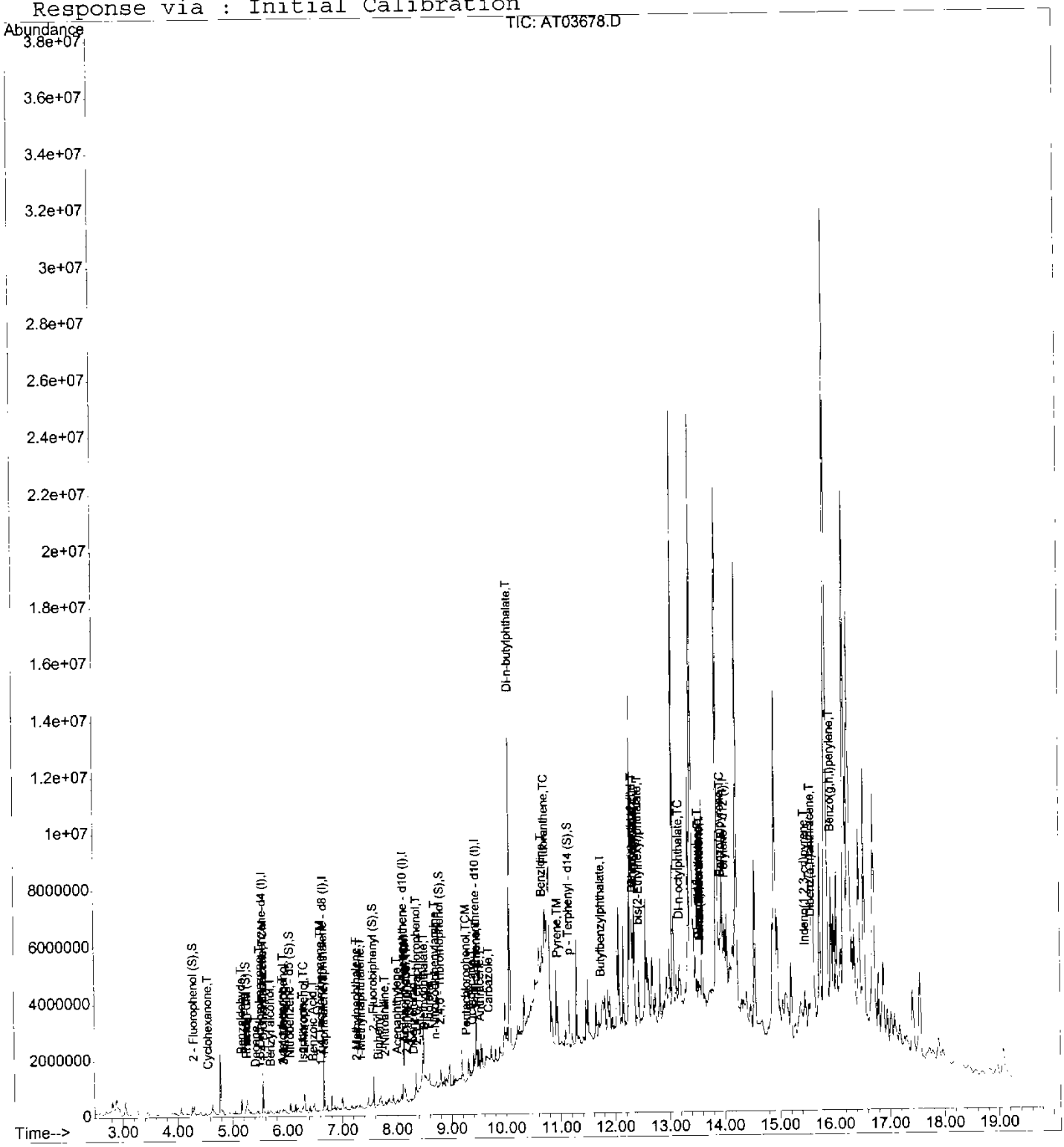
Quantitation Report (Not Reviewed)

Data File : H:\DATA\022505_A\AT03678.D
Acq On : 25 Feb 2005 3:59 pm
Sample : 126377-3 &1
Misc :
MS Integration Params: Rteint.p
Quant Time: Feb 28 6:59 2005

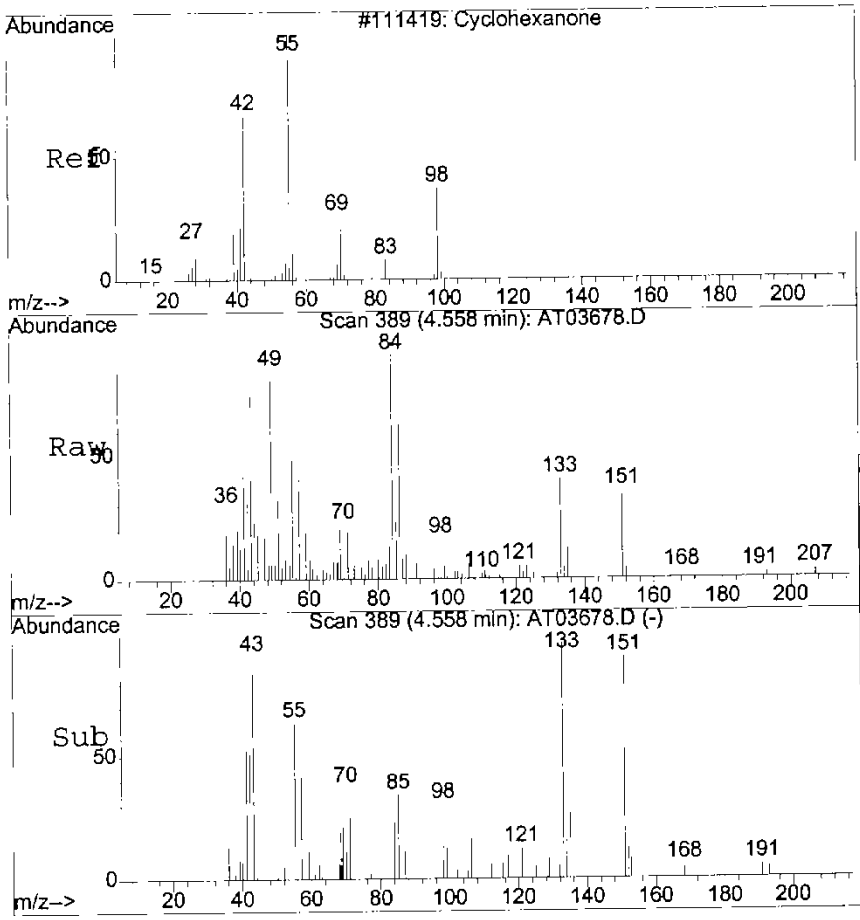
Vial: 19
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00

Quant Results File: 8270_022505.

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Fri Feb 25 12:17:02 2005
Response via : Initial Calibration



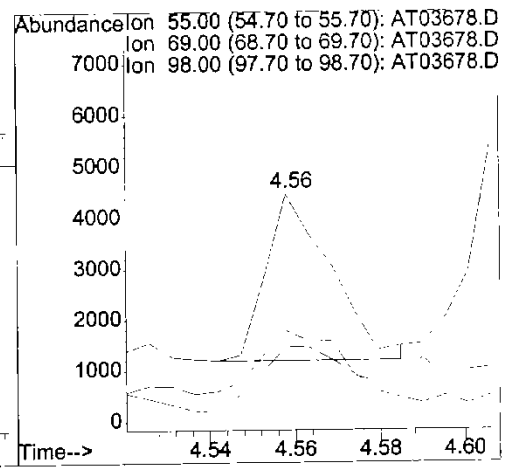
00351

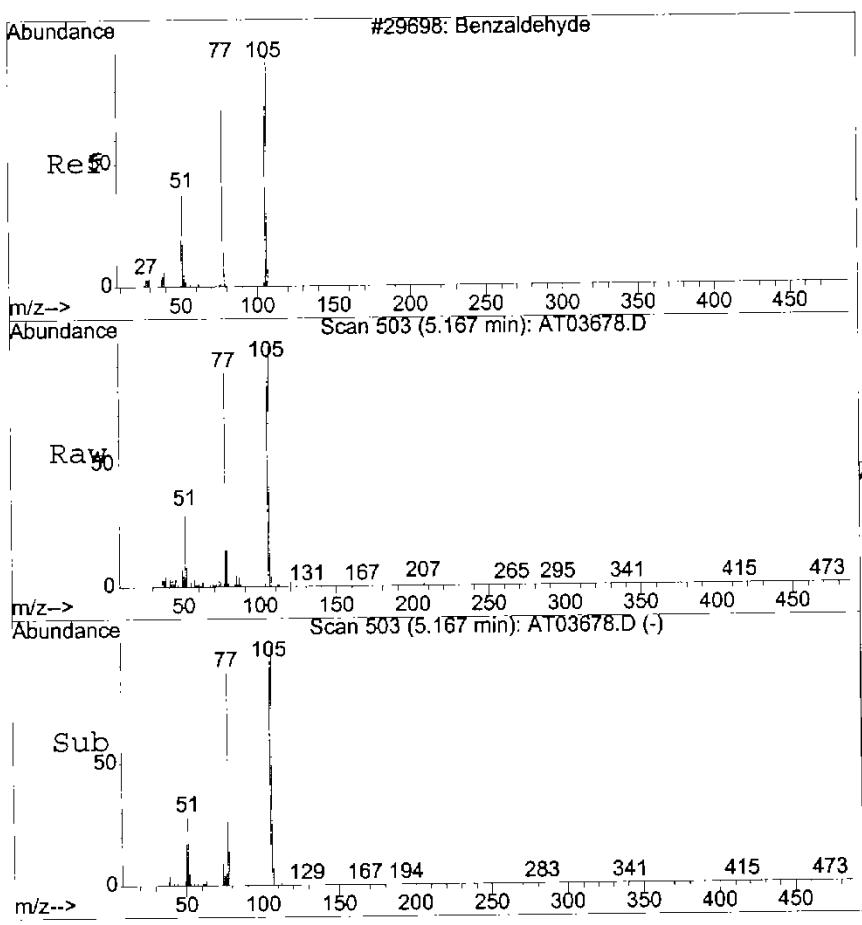


#5
Cyclohexanone
Concen: 19.33 ul/L
RT: 4.56 min Scan# 389
Delta R.T. -0.02 min
Lab File: AT03678.D
Acq: 25 Feb 2005 3:59 pm

Tgt Ion: 55 Resp: 3460

Ion	Ratio	Lower	Upper
55	100		
69	36.8	4.6	64.6
98	36.7	24.8	84.8

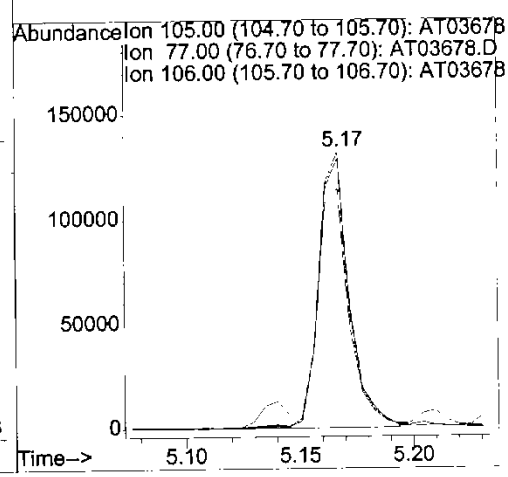


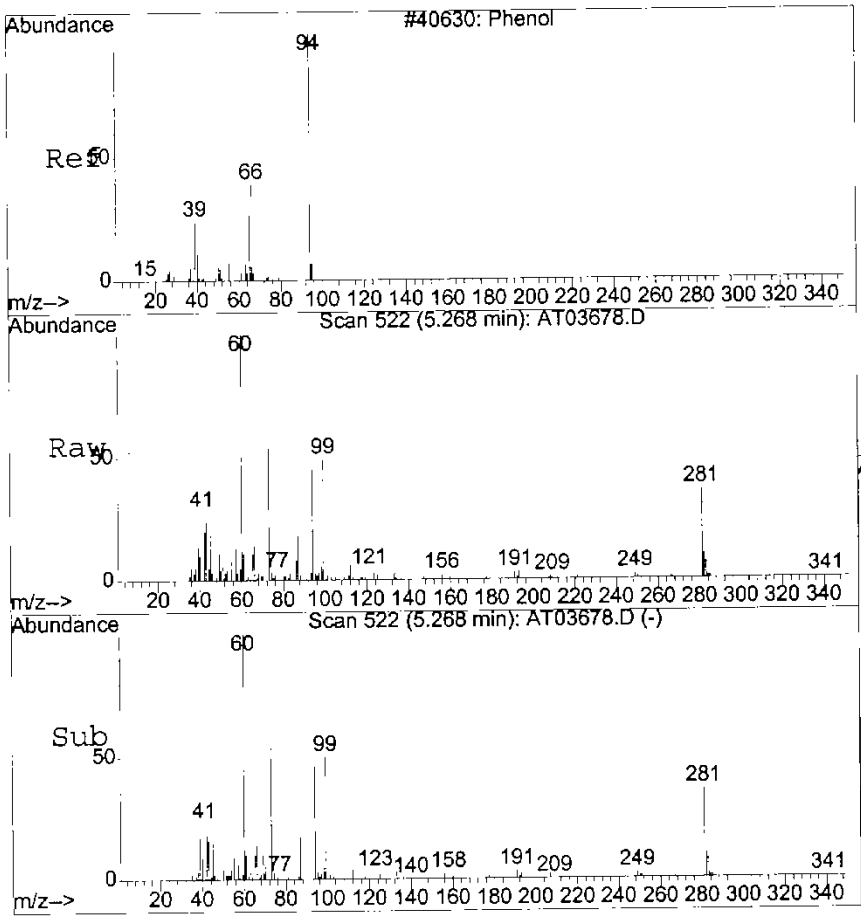


#6
Benzaldehyde
Concen: 647.76 ul/L
RT: 5.17 min Scan# 503
Delta R.T. -0.01 min
Lab File: AT03678.D
Acq: 25 Feb 2005 3:59 pm

Tgt Ion:105 Resp: 133848

Ion	Ratio	Lower	Upper
105	100		
77	83.5	63.9	123.9
106	90.6	72.0	132.0

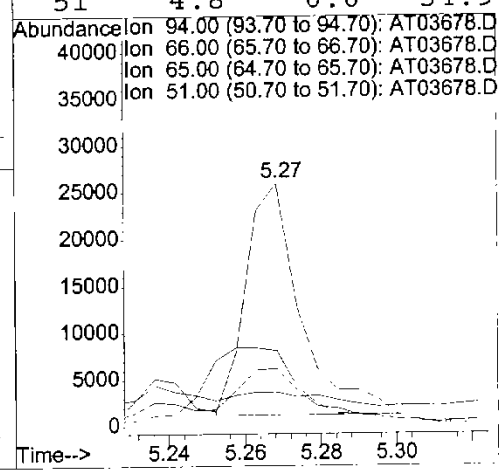


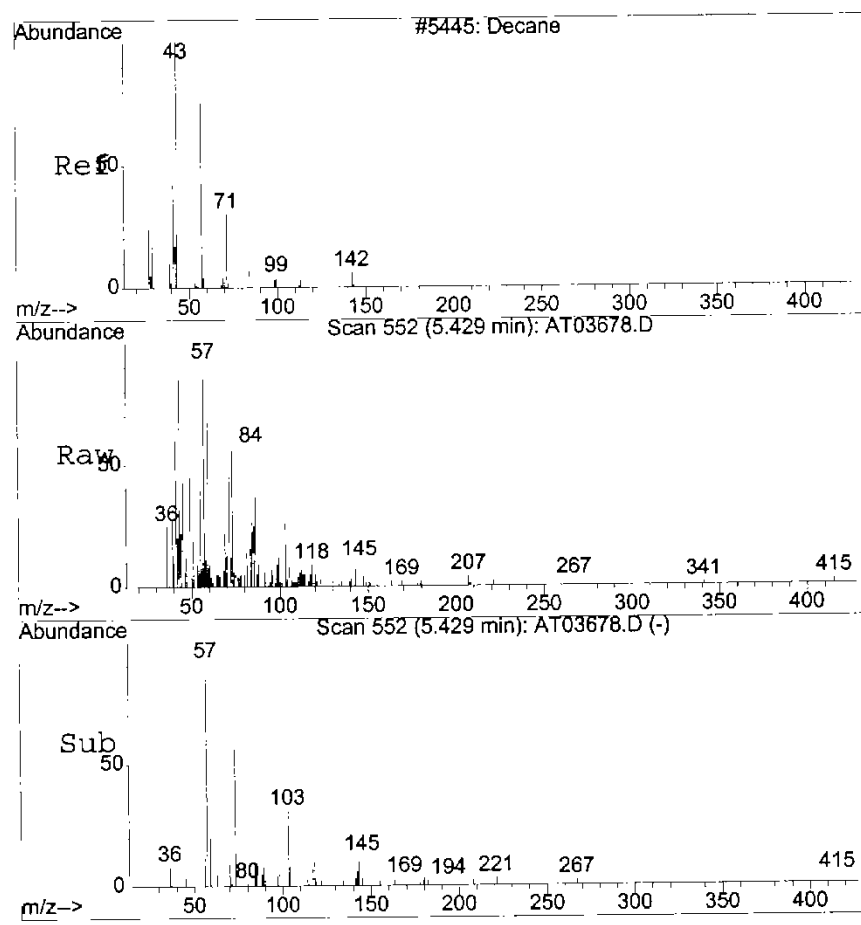


#9
Phenol
Concen: 89.80 ug/L
RT: 5.27 min Scan# 522
Delta R.T. -0.00 min
Lab File: AT03678.D
Acq: 25 Feb 2005 3:59 pm

Tgt Ion: 94 Resp: 24626

Ion	Ratio	Lower	Upper
94	100		
66	17.0	14.1	74.1
65	20.1	1.3	61.3
51	4.8	0.0	34.9

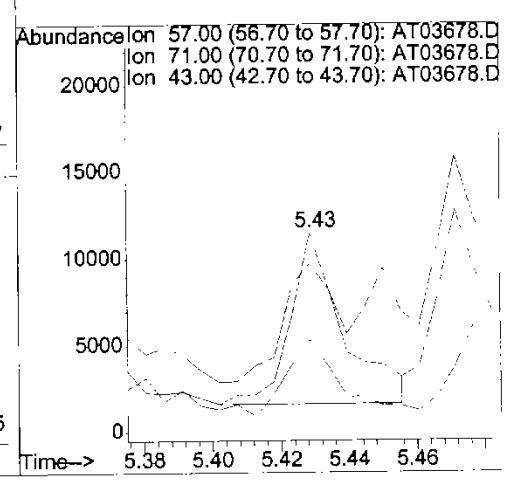


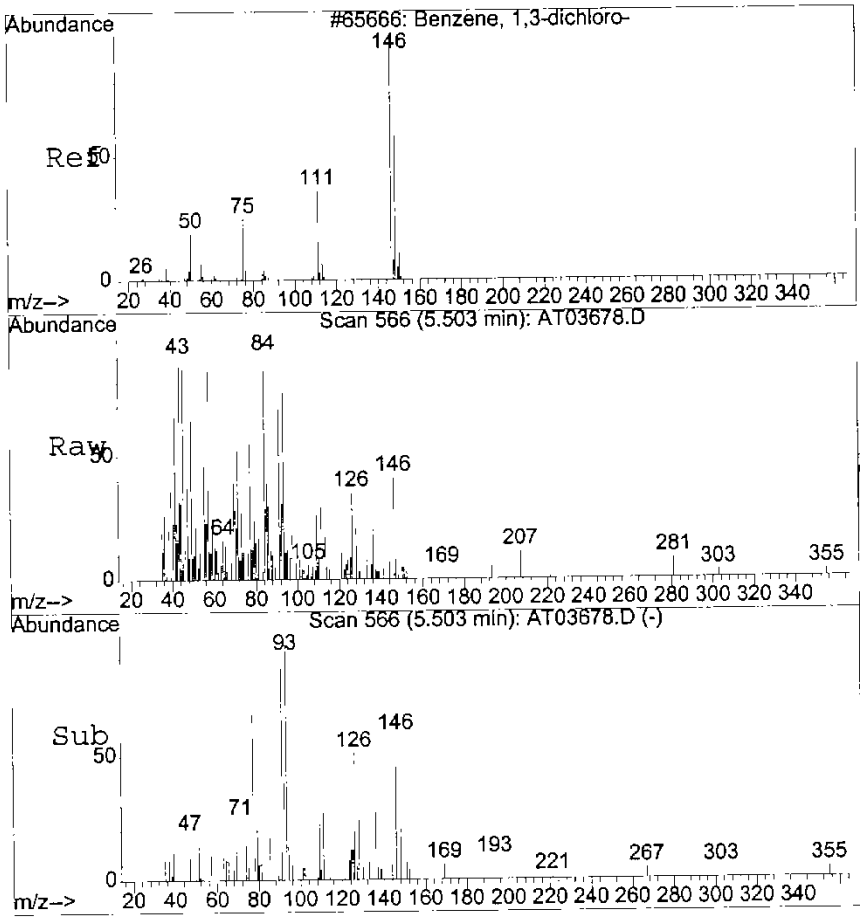


#12
Decane
Concen: 38.23 ul/L
RT: 5.43 min Scan# 552
Delta R.T. -0.00 min
Lab File: AT03678.D
Acq: 25 Feb 2005 3:59 pm

Tgt Ion: 57 Resp: 10613

Ion	Ratio	Lower	Upper
57	100		
71	46.6	13.9	73.9
43	69.0	48.7	108.7

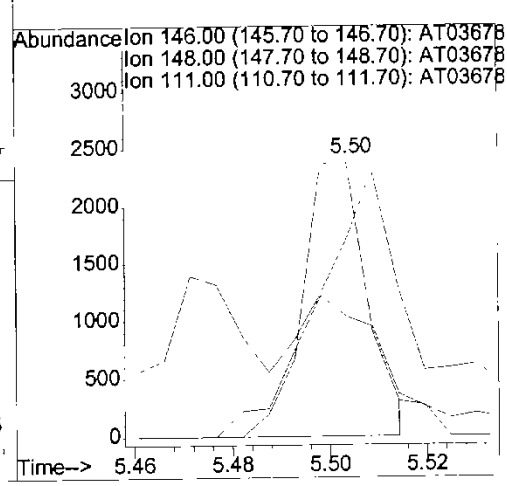


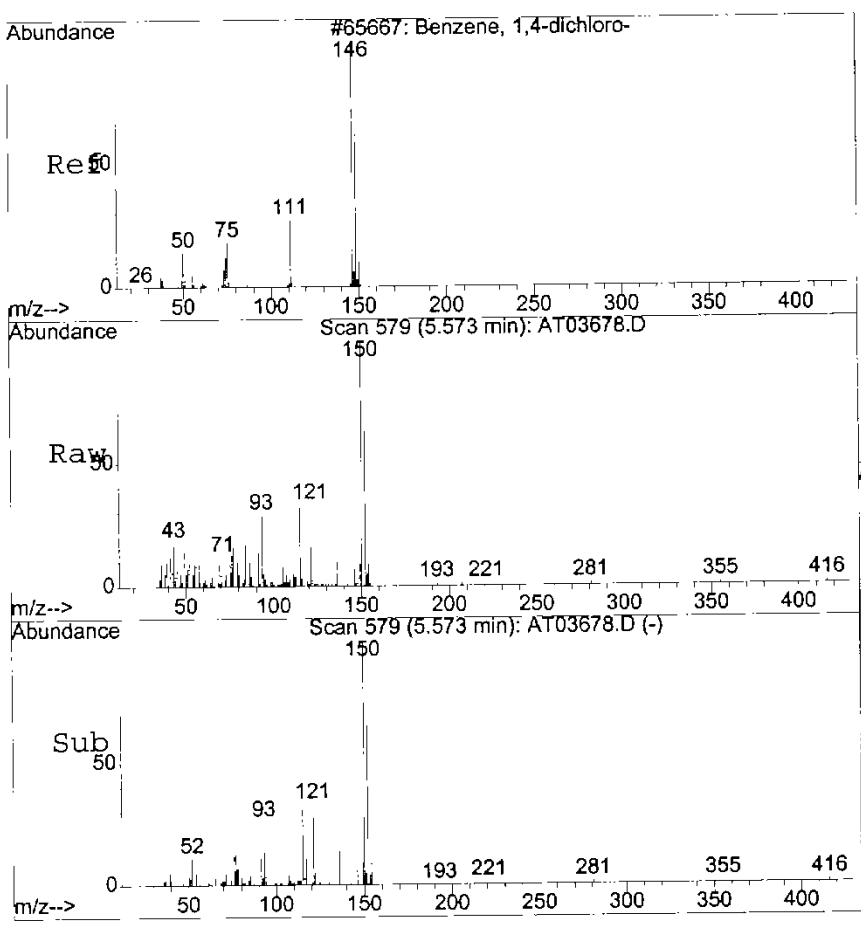


#13
1,3-Dichlorobenzene
Concen: 6.88 ug/L
RT: 5.50 min Scan# 566
Delta R.T. -0.00 min
Lab File: AT03678.D
Acq: 25 Feb 2005 3:59 pm

Tgt Ion:146 Resp: 2190

Ion	Ratio	Lower	Upper
146	100		
148	37.8	35.2	95.2
111	18.5	7.4	67.4

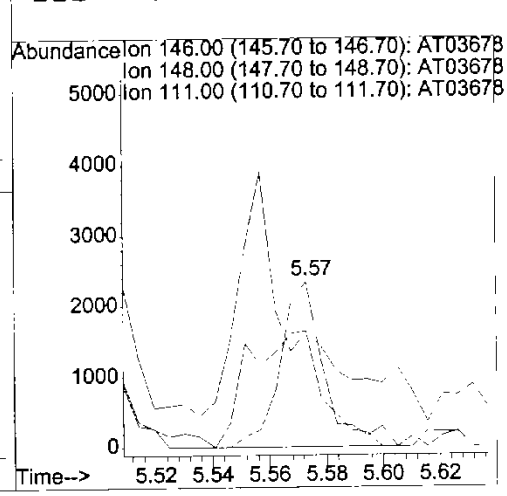


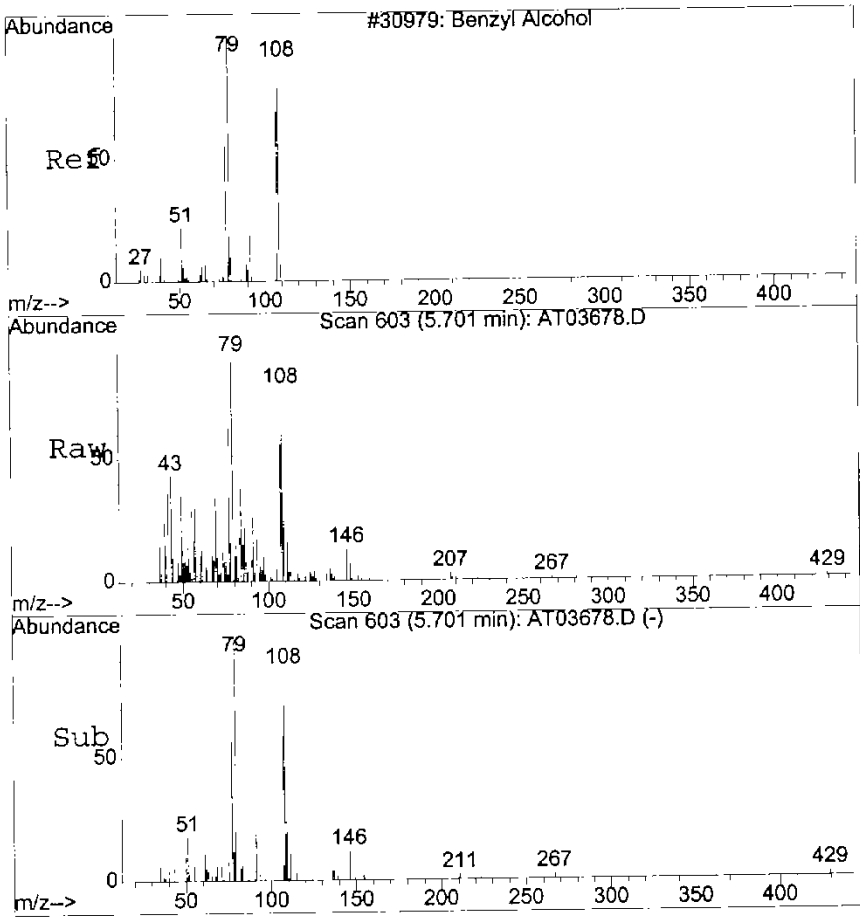


#14
1,4-Dichlorobenzene
Concen: 7.65 ug/L
RT: 5.57 min Scan# 579
Delta R.T. 0.00 min
Lab File: AT03678.D
Acq: 25 Feb 2005 3:59 pm

Tgt Ion:146 Resp: 2530

Ion	Ratio	Lower	Upper
146	100		
148	70.0	33.5	93.5
111	32.3	6.4	66.4

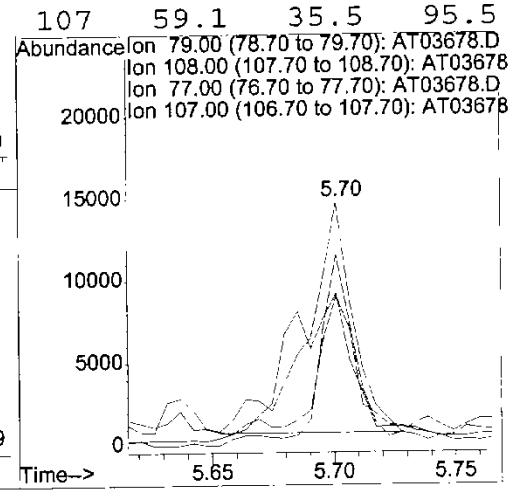


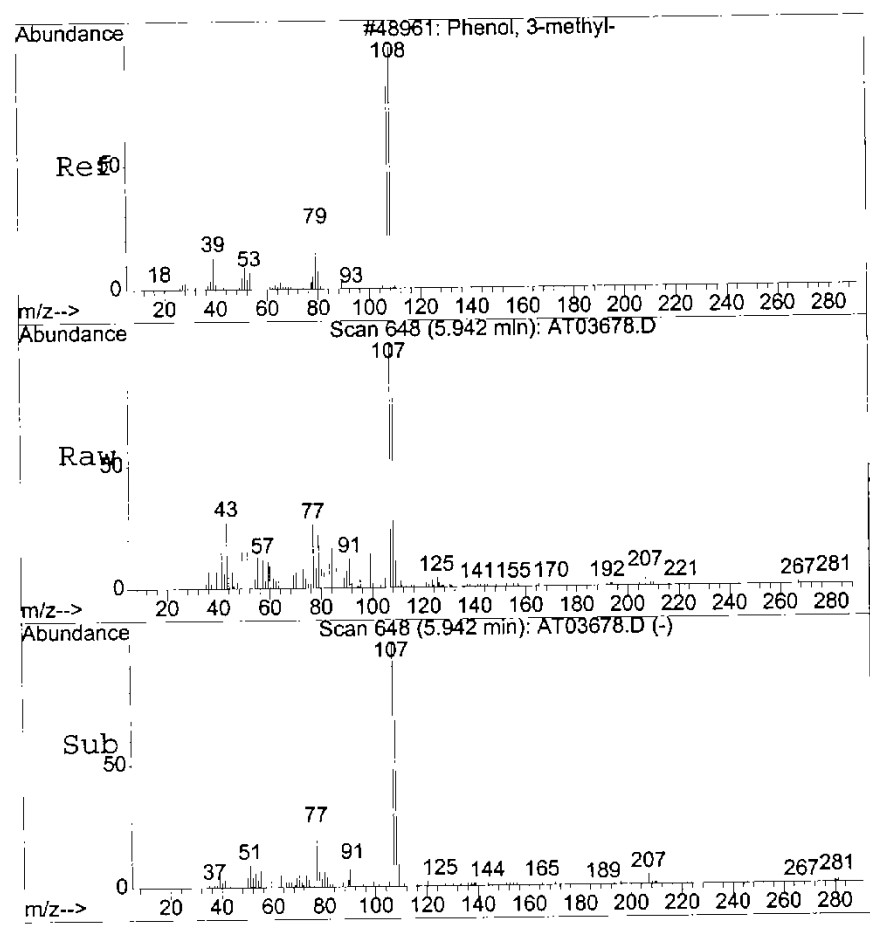


#15
Benzyl alcohol
Concen: 130.29 ug/L
RT: 5.70 min Scan# 603
Delta R.T. 0.00 min
Lab File: AT03678.D
Acq: 25 Feb 2005 3:59 pm

Tgt Ion: 79 Resp: 18451

Ion	Ratio	Lower	Upper
79	100		
108	80.1	62.2	122.2
77	59.3	29.8	89.8
107	59.1	35.5	95.5

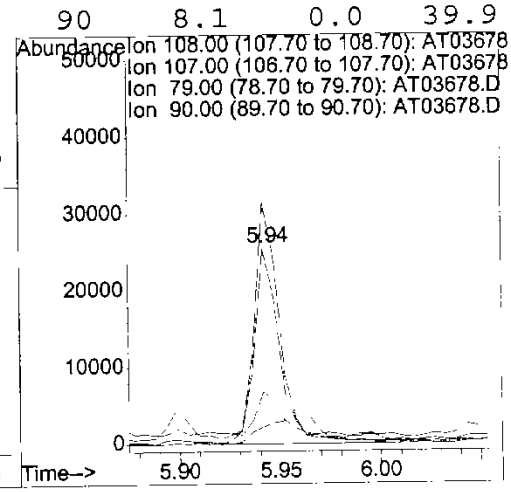


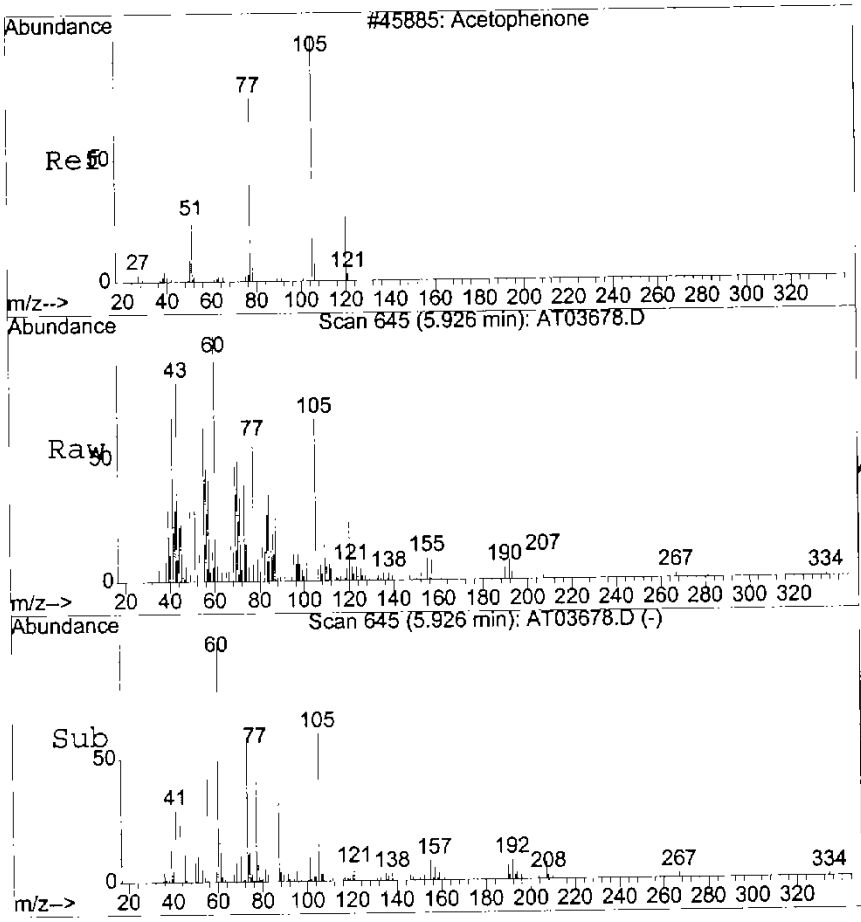


#19
3-&4-Methylphenol
Concen: 125.59 ug/L
RT: 5.94 min Scan# 648
Delta R.T. 0.00 min
Lab File: AT03678.D
Acq: 25 Feb 2005 3:59 pm

Tgt Ion:108 Resp: 22930

Ion	Ratio	Lower	Upper
108	100		
107	121.6	75.6	135.6
79	22.1	0.0	55.6
90	8.1	0.0	39.9

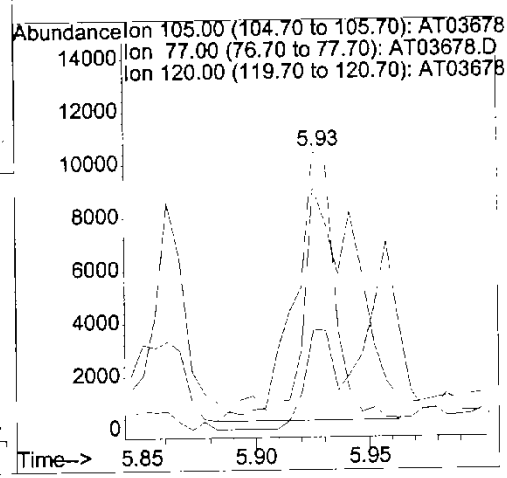


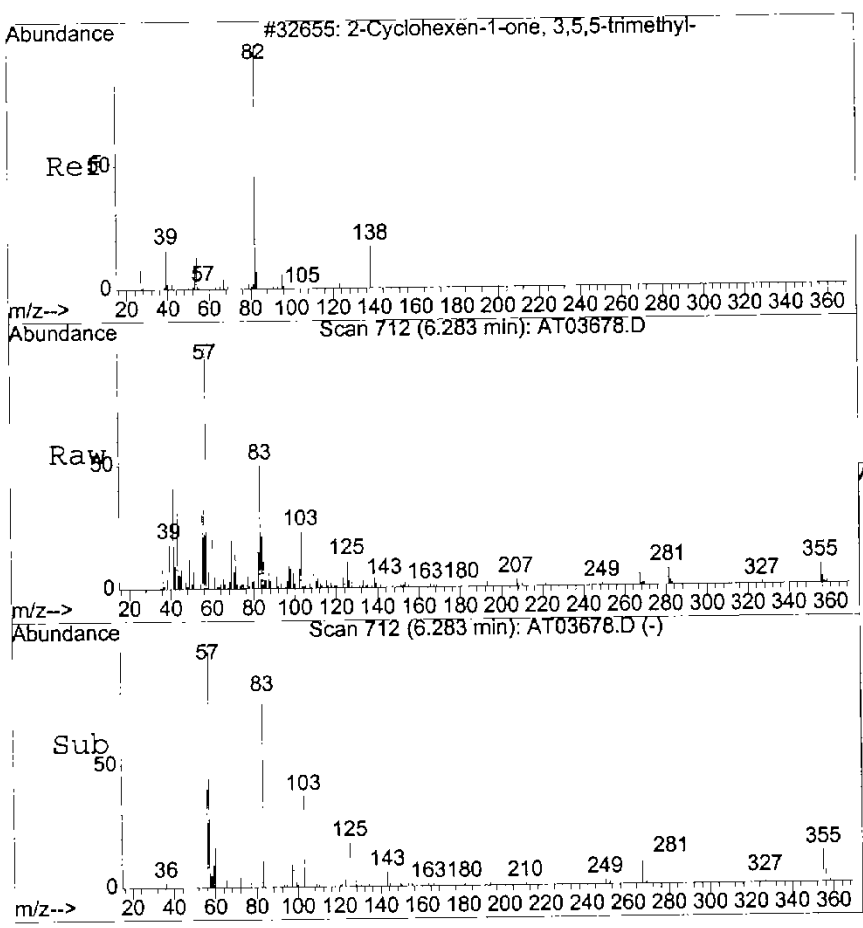


#21
Acetophenone
Concen: 41.60 ul/L
RT: 5.93 min Scan# 645
Delta R.T. -0.00 min
Lab File: AT03678.D
Acq: 25 Feb 2005 3:59 pm

Tgt Ion:105 Resp: 12383

Ion	Ratio	Lower	Upper
105	100		
77	104.6	78.1	138.1
120	27.2	0.5	60.5

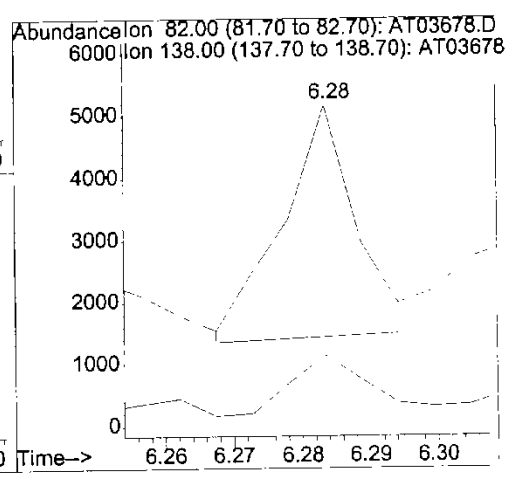


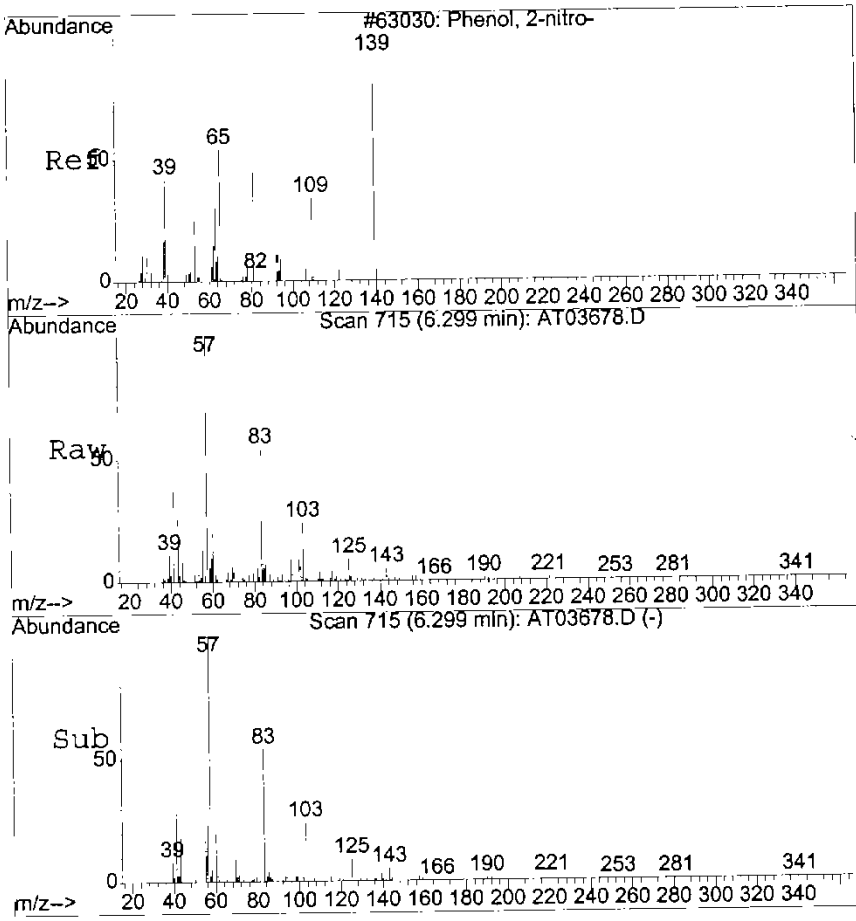


#26
Isophorone
Concen: 6.48 ug/L
RT: 6.28 min Scan# 712
Delta R.T. -0.00 min
Lab File: AT03678.D
Acq: 25 Feb 2005 3:59 pm

Tgt Ion: 82 Resp: 2830

Ion	Ratio	Lower	Upper
82	100		
138	25.6	0.0	51.7

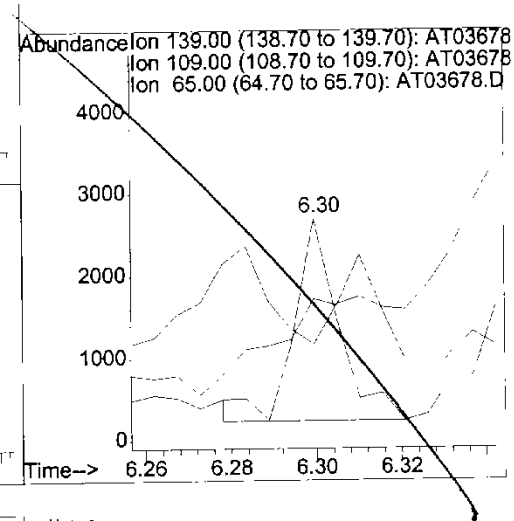


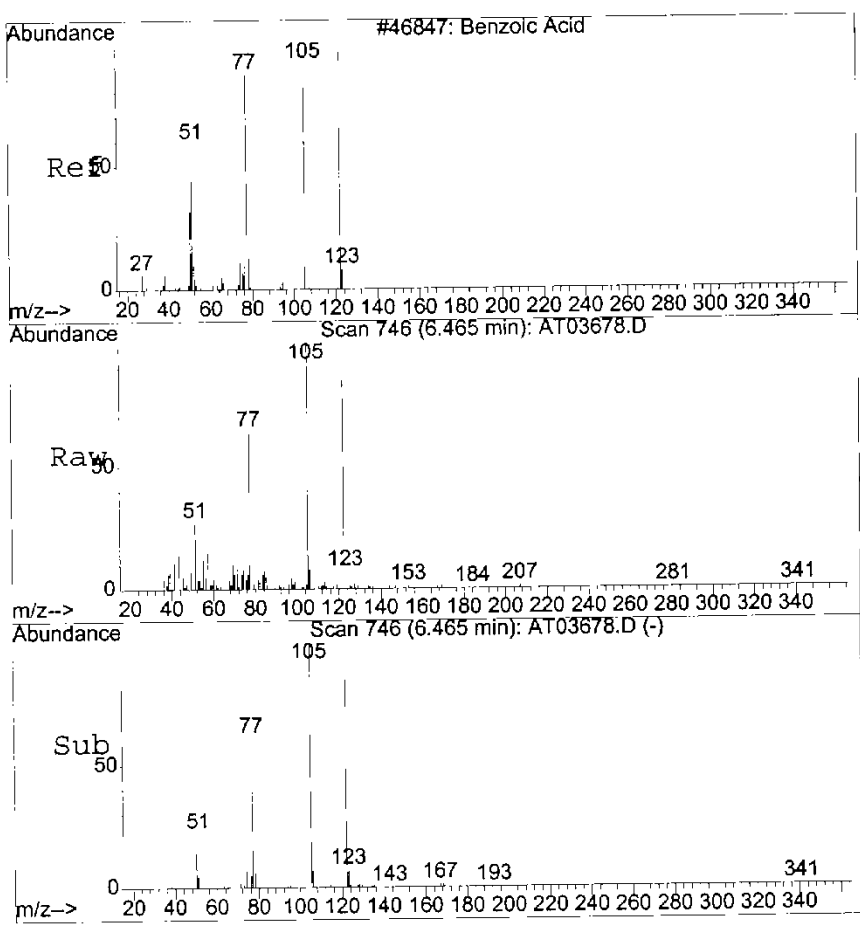


#27
2-Nitrophenol
Concen: 14.65 ug/L
RT: 6.30 min Scan# 715
Delta R.T. -0.05 min
Lab File: AT03678.D
Acq: 25 Feb 2005 3:59 pm

Tgt Ion:139 Resp: 1771

Ion	Ratio	Lower	Upper
139	100		
109	0.0	0.0	49.5
65	35.8	4.3	64.3

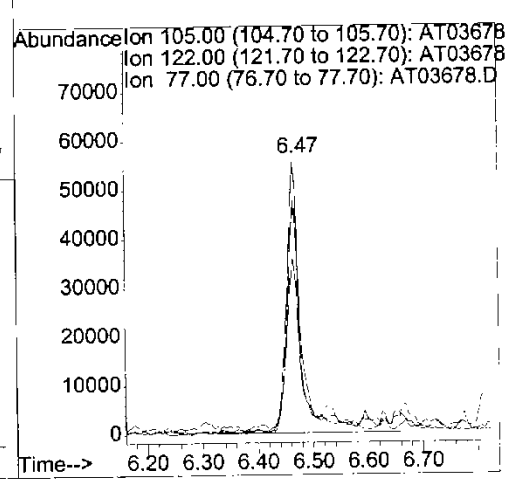


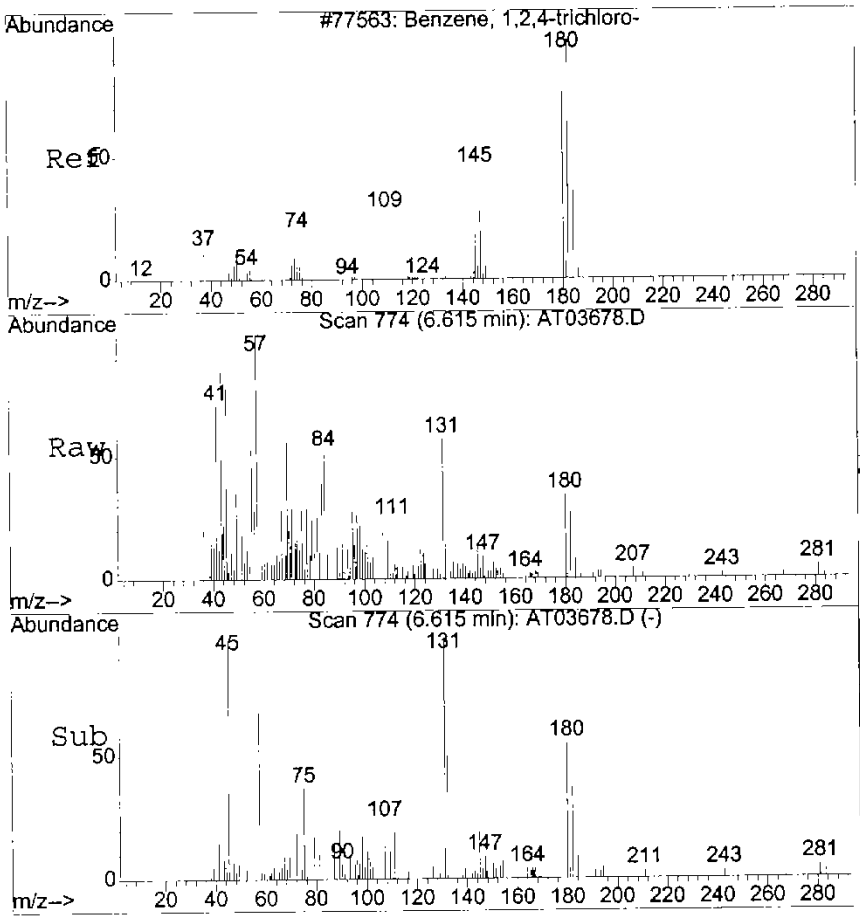


#30
Benzoic Acid
Concen: 1336.49 ug/L
RT: 6.47 min Scan# 746
Delta R.T. -0.04 min
Lab File: AT03678.D
Acq: 25 Feb 2005 3:59 pm

Tgt Ion:105 Resp: 118056

Ion	Ratio	Lower	Upper
105	100		
122	86.9	58.0	118.0
77	61.2	34.2	94.2

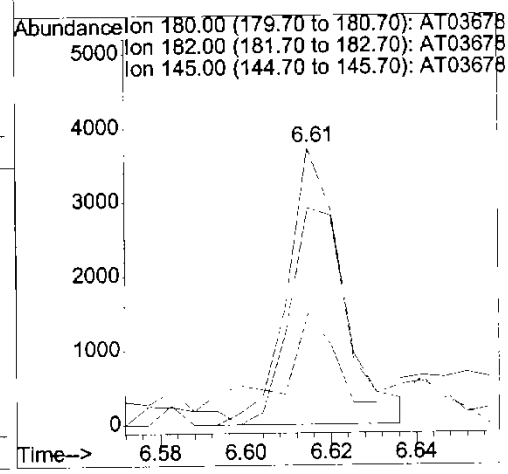


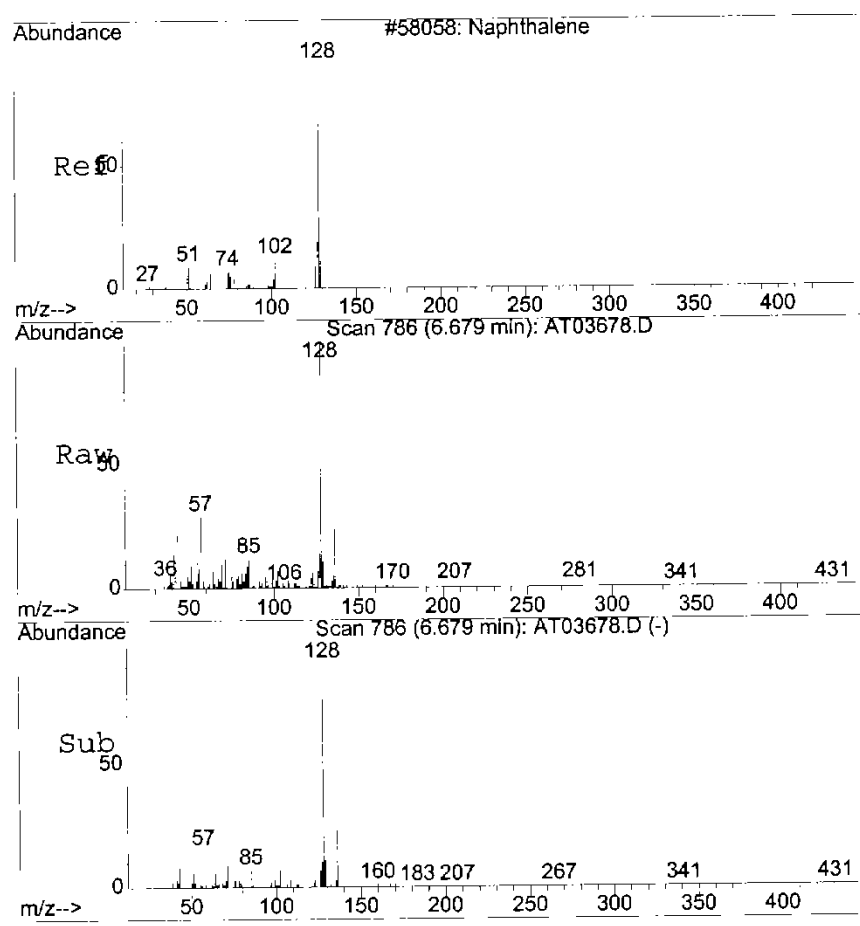


#32
1,2,4-Trichlorobenzene
Concen: 12.39 ug/L
RT: 6.61 min Scan# 774
Delta R.T. -0.01 min
Lab File: AT03678.D
Acq: 25 Feb 2005 3:59 pm

Tgt Ion:180 Resp: 3354

Ion	Ratio	Lower	Upper
180	100		
182	72.1	67.2	127.2
145	27.6	0.0	57.2

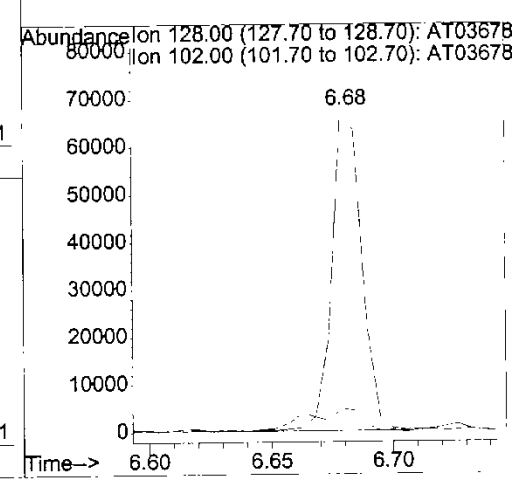


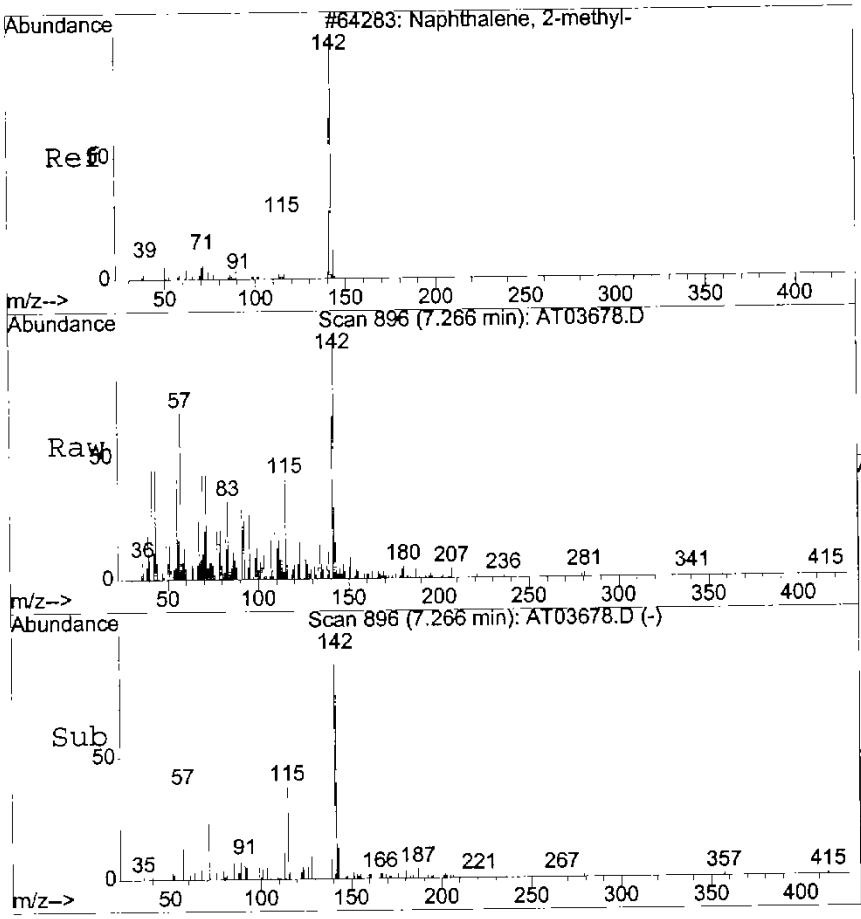


#33
Naphthalene
Concen: 70.14 ug/L
RT: 6.68 min Scan# 786
Delta R.T. -0.01 min
Lab File: AT03678.D
Acq: 25 Feb 2005 3:59 pm

Tgt Ion:128 Resp: 57305

Ion	Ratio	Lower	Upper
128	100		
102	6.8	0.0	37.8

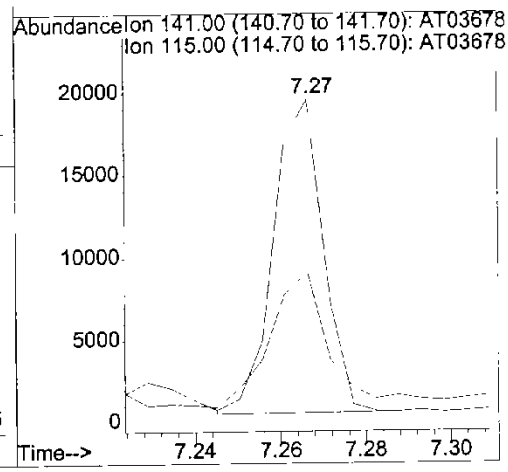


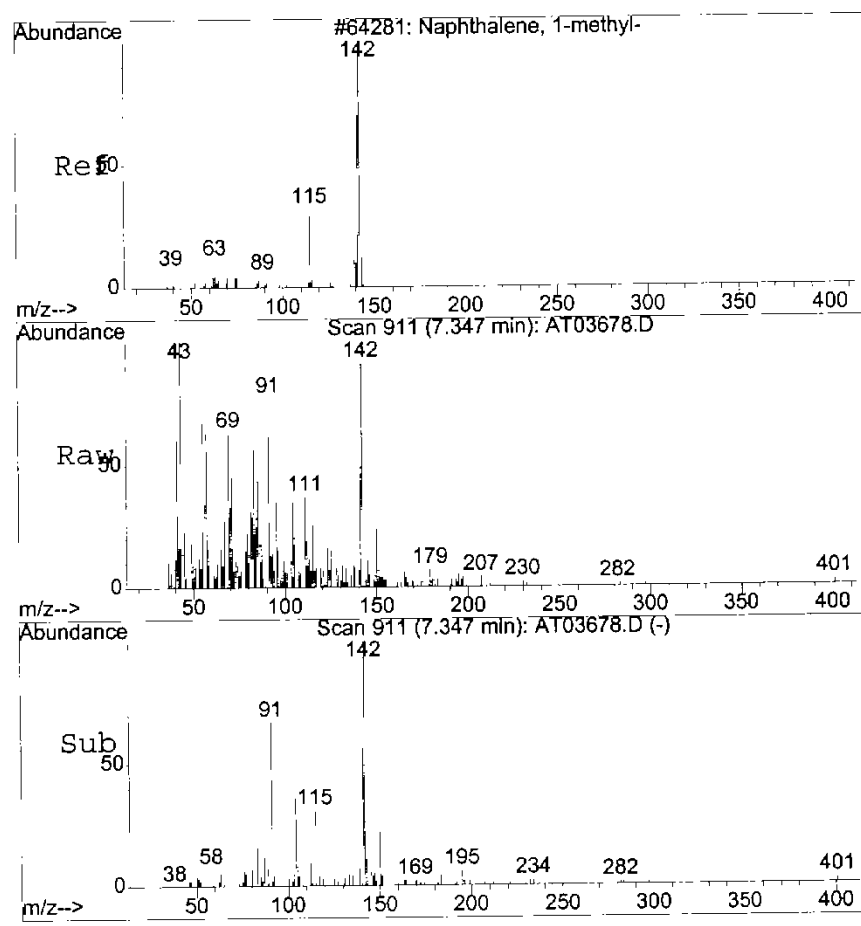


#37
2-Methylnaphthalene
Concen: 35.60 ug/L
RT: 7.27 min Scan# 896
Delta R.T. 0.01 min
Lab File: AT03678.D
Acq: 25 Feb 2005 3:59 pm

Tgt Ion:141 Resp: 15411

Ion	Ratio	Lower	Upper
141	100		
115	41.4	2.2	62.2

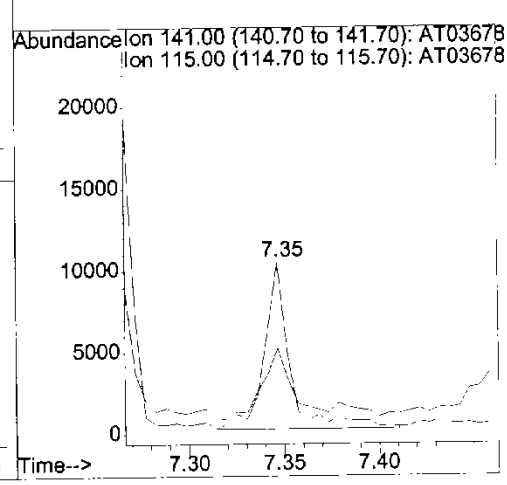


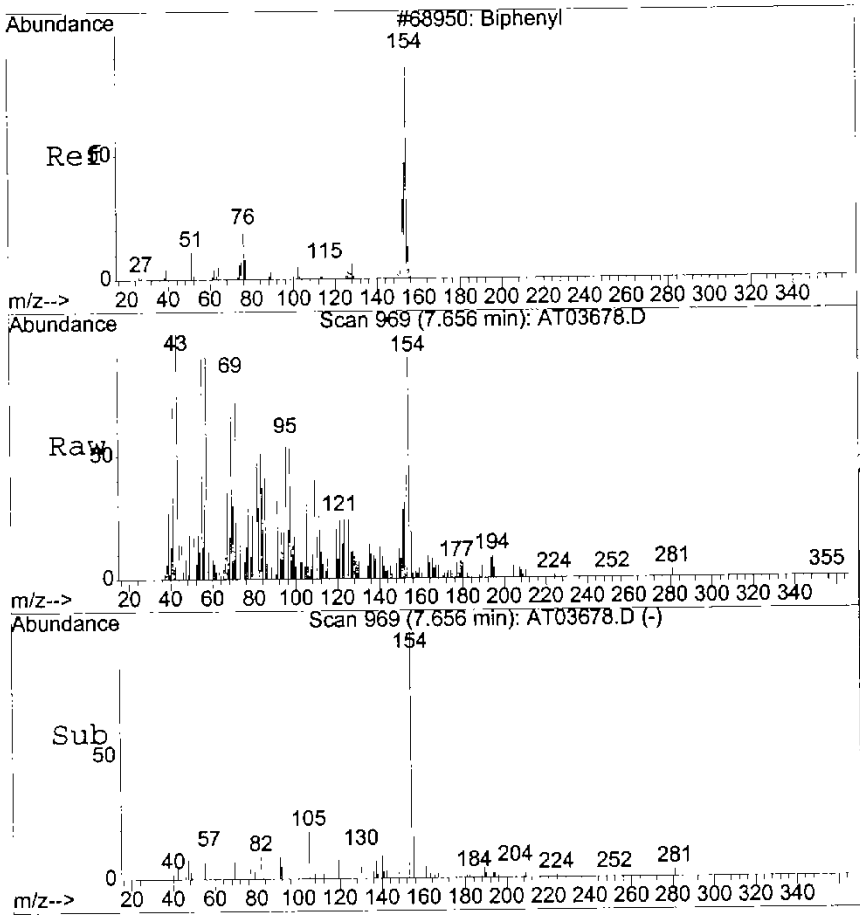


#38
1-Methylnaphthalene
Concen: 21.23 ul/l
RT: 7.35 min Scan# 911
Delta R.T. 0.00 min
Lab File: AT03678.D
Acq: 25 Feb 2005 3:59 pm

Tgt Ion:141 Resp: 9574

Ion	Ratio	Lower	Upper
141	100		
115	41.6	2.6	62.6

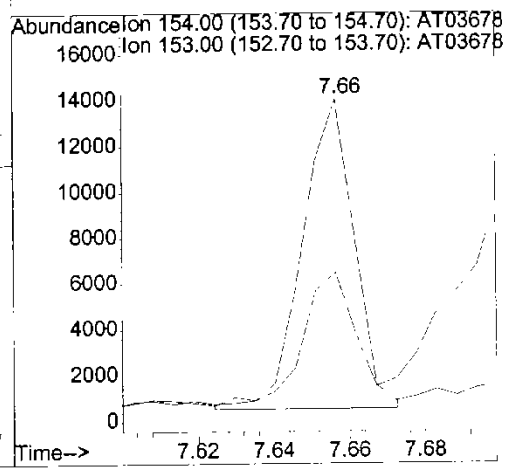


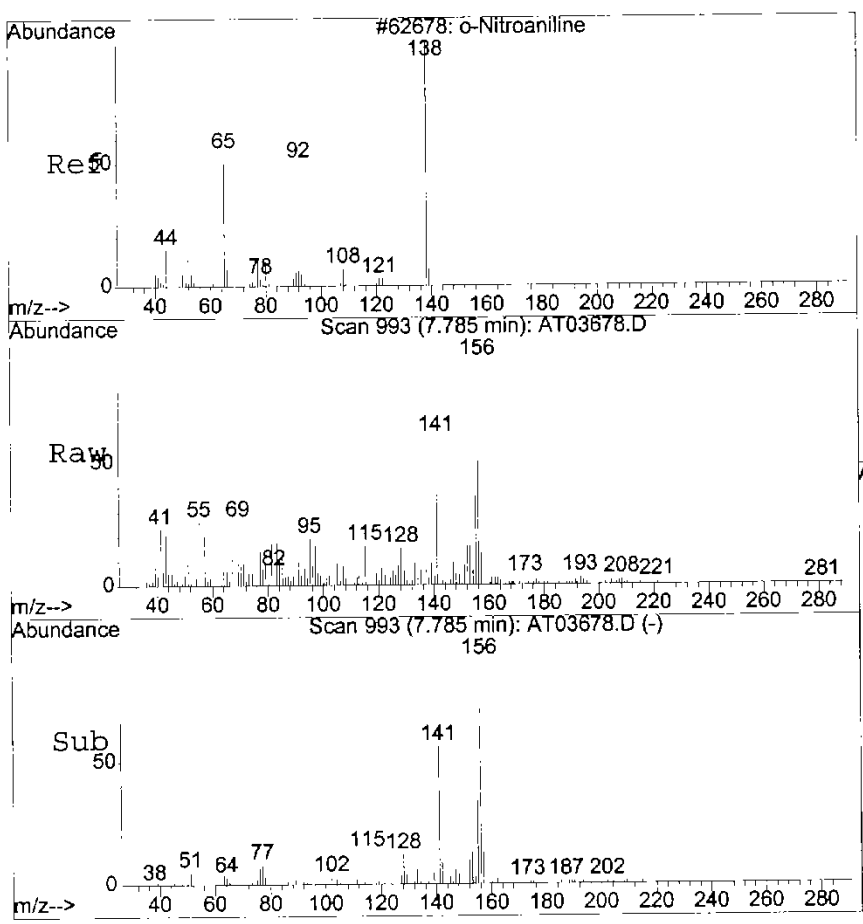


#46
Biphenyl
Concen: 19.80 ul/L
RT: 7.66 min Scan# 969
Delta R.T. -0.01 min
Lab File: AT03678.D
Acq: 25 Feb 2005 3:59 pm

Tgt Ion:154 Resp: 12731

Ion	Ratio	Lower	Upper
154	100		
153	44.3	9.4	69.4

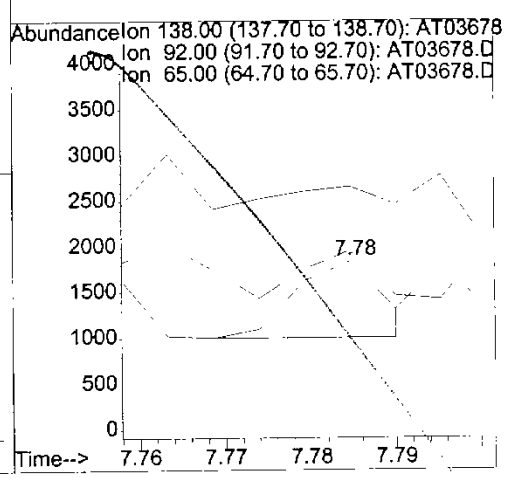


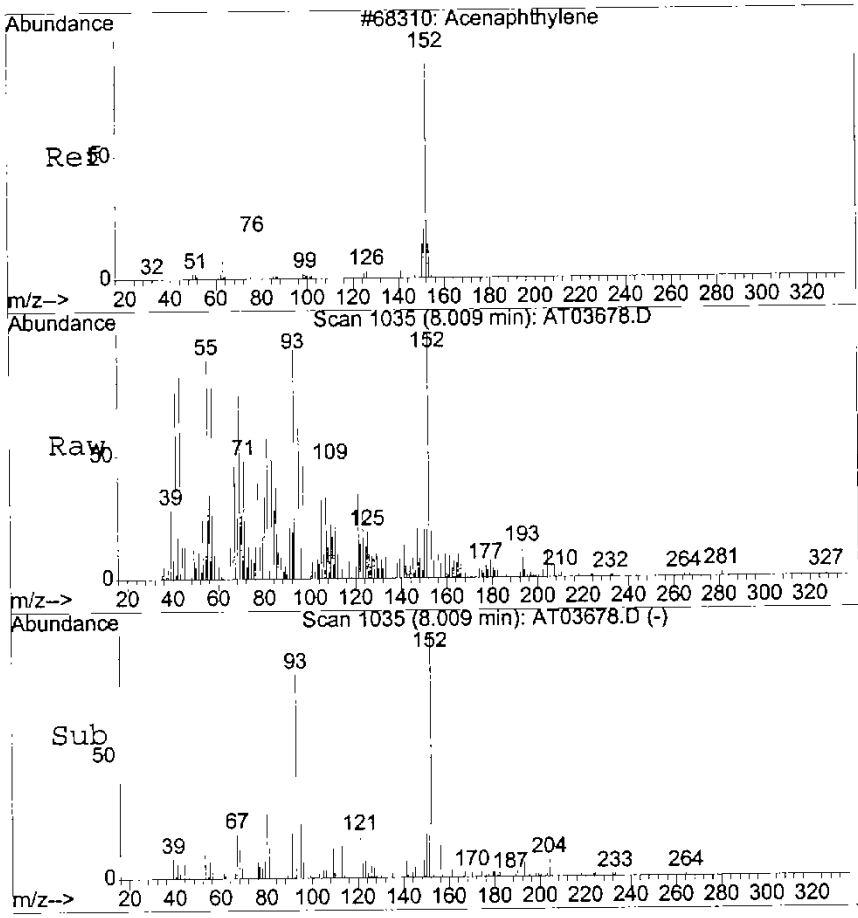


#47
2-Nitroaniline
Concen: 25.42 ug/L
RT: 7.78 min Scan# 993
Delta R.T. 0.02 min
Lab File: AT03678.D
Acq: 25 Feb 2005 3:59 pm

Tgt Ion:138 Resp: 597

Ion	Ratio	Lower	Upper
138	100		
92	51.6	17.9	77.9
65	31.8	27.4	87.4

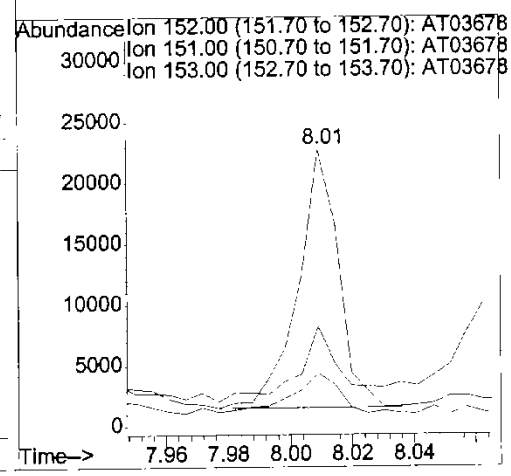


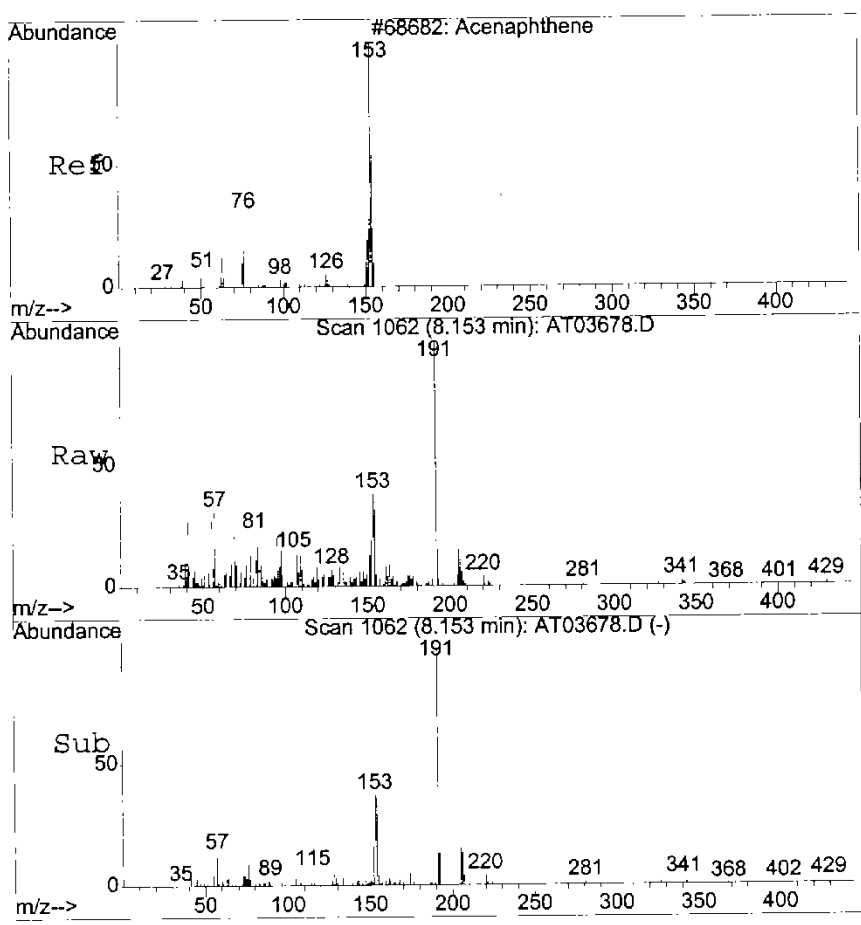


#49
Acenaphthylene
Concen: 24.19 ug/L
RT: 8.01 min Scan# 1035
Delta R.T. -0.01 min
Lab File: AT03678.D
Acq: 25 Feb 2005 3:59 pm

Tgt Ion:152 Resp: 19139

Ion	Ratio	Lower	Upper
152	100		
151	25.4	0.0	49.4
153	15.3	0.0	43.0

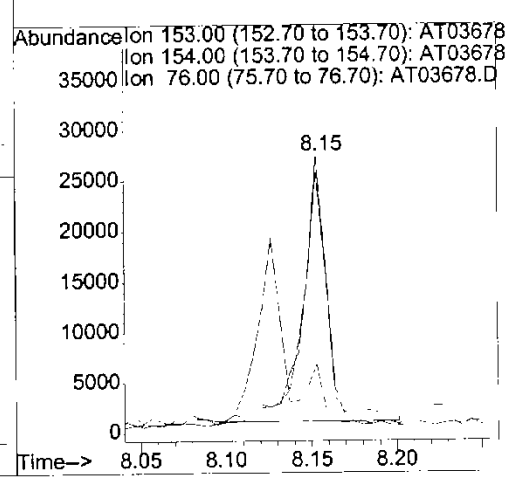




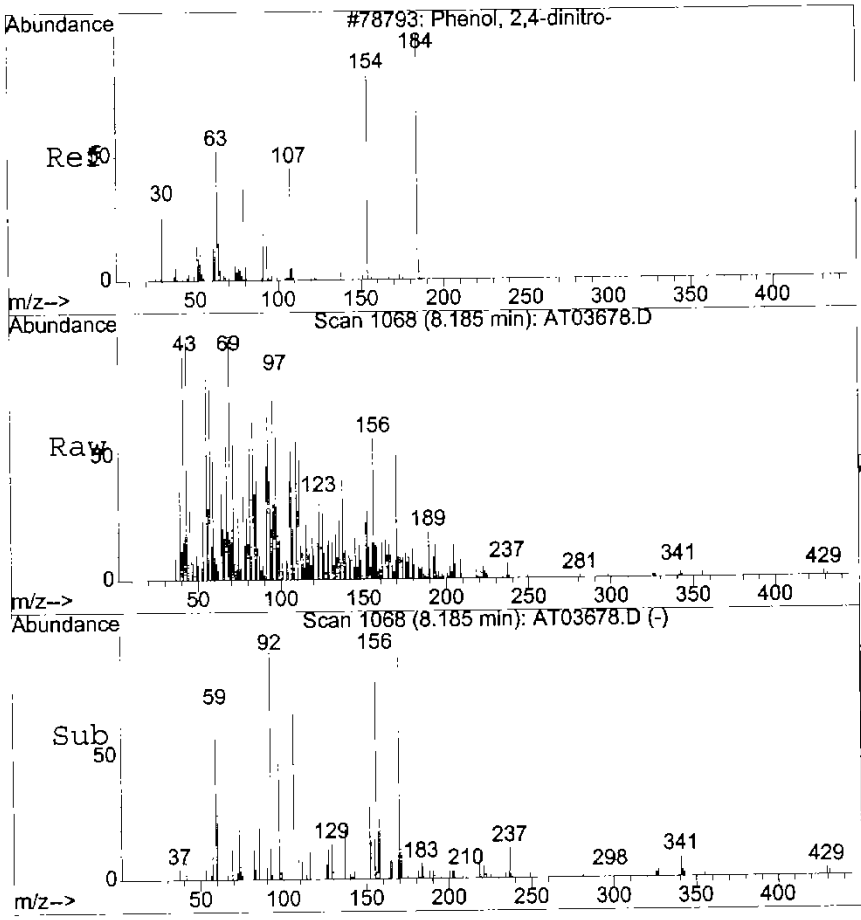
#52
Acenaphthene
Concen: 51.96 ug/L
RT: 8.15 min Scan# 1062
Delta R.T. -0.00 min
Lab File: AT03678.D
Acq: 25 Feb 2005 3:59 pm

Tgt Ion:153 Resp: 27047

Ion	Ratio	Lower	Upper
153	100		
154	95.9	53.5	113.5
76	23.2	0.0	50.2



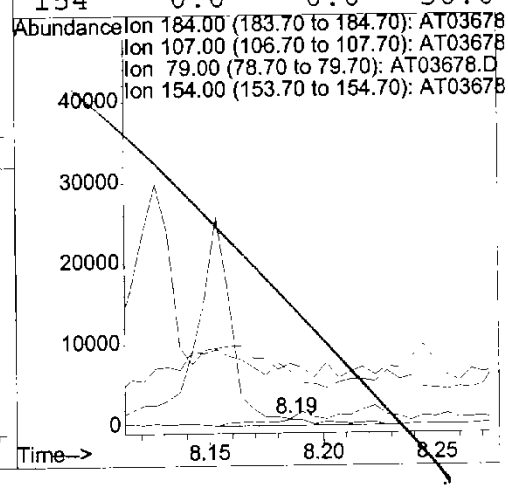
00361

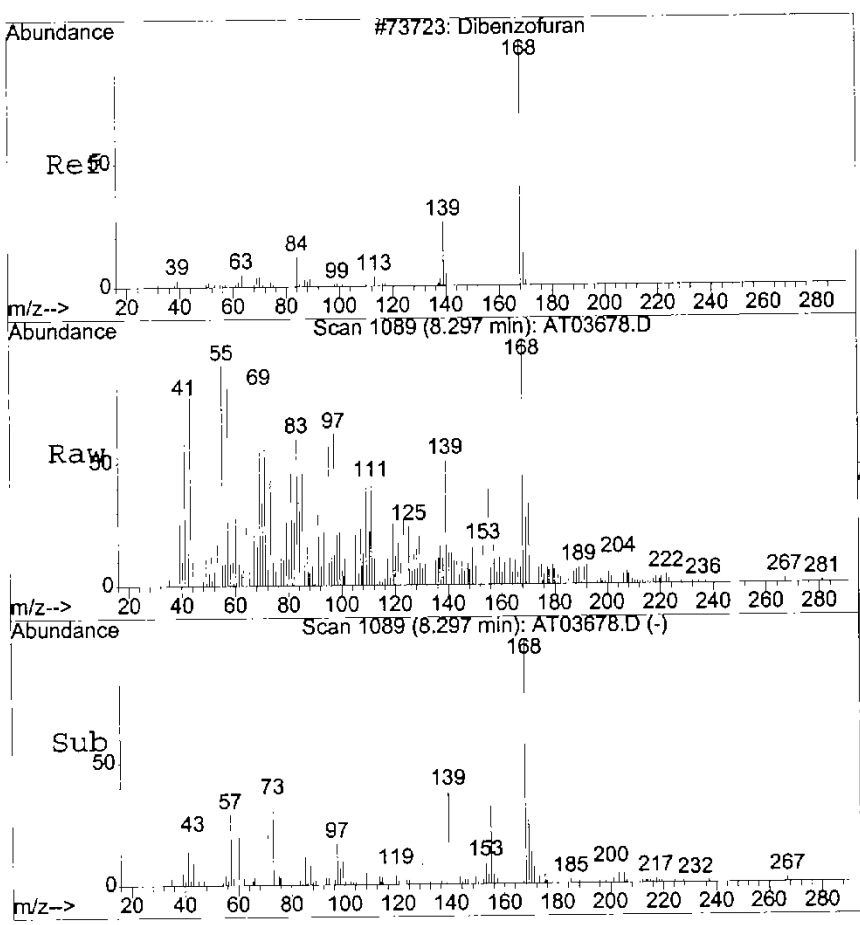


#53
2,4-Dinitrophenol
Concen: 373.21 ug/L
RT: 8.19 min Scan# 1068
Delta R.T. -0.00 min
Lab File: AT03678.D
Acq: 25 Feb 2005 3:59 pm

Tgt Ion:184 Resp: 1799

Ion	Ratio	Lower	Upper
184	100		
107	0.0	0.0	58.6
79	0.0	0.0	48.2
154	0.0	0.0	30.0

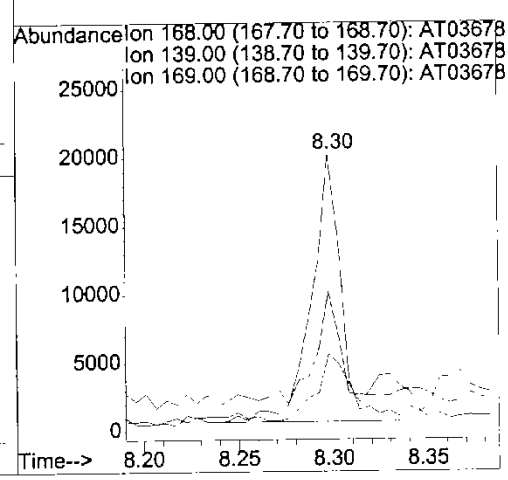


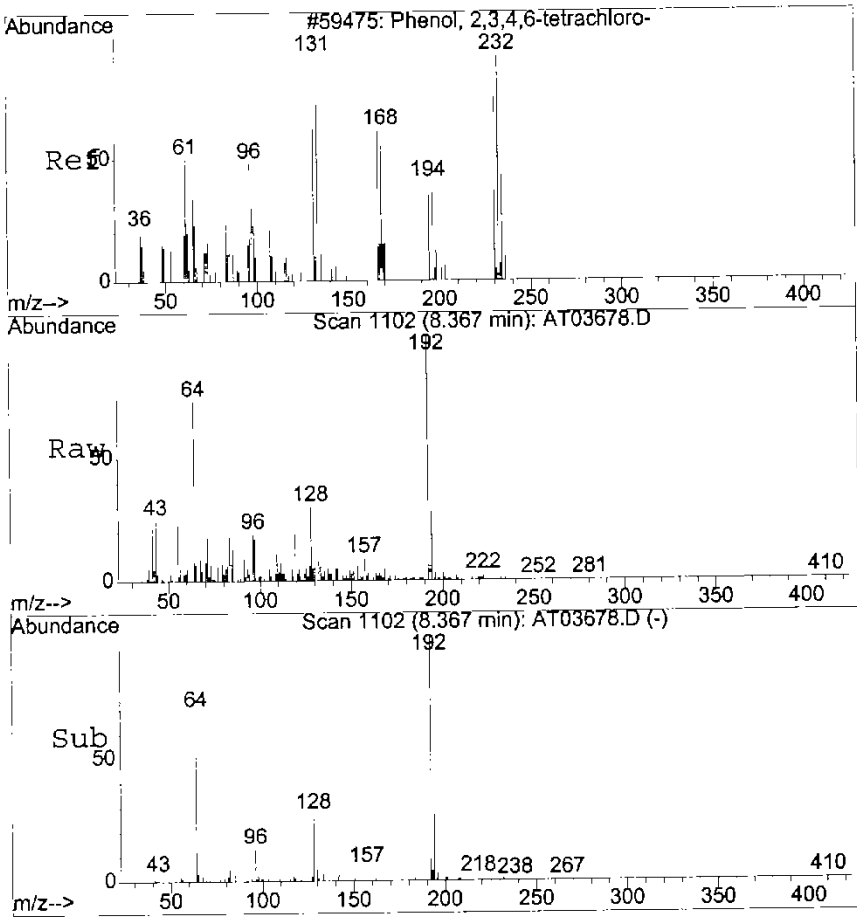


#55
Dibenzofuran
Concen: 30.54 ug/L
RT: 8.30 min Scan# 1089
Delta R.T. -0.00 min
Lab File: AT03678.D
Acq: 25 Feb 2005 3:59 pm

Tgt Ion:168 Resp: 21301

Ion	Ratio	Lower	Upper
168	100		
139	40.4	0.6	60.6
169	17.8	0.0	42.8

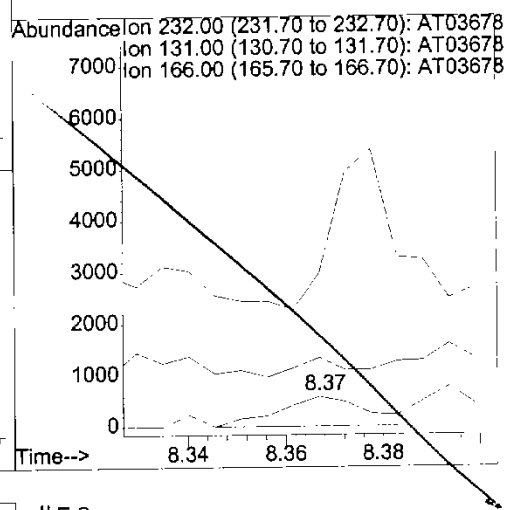


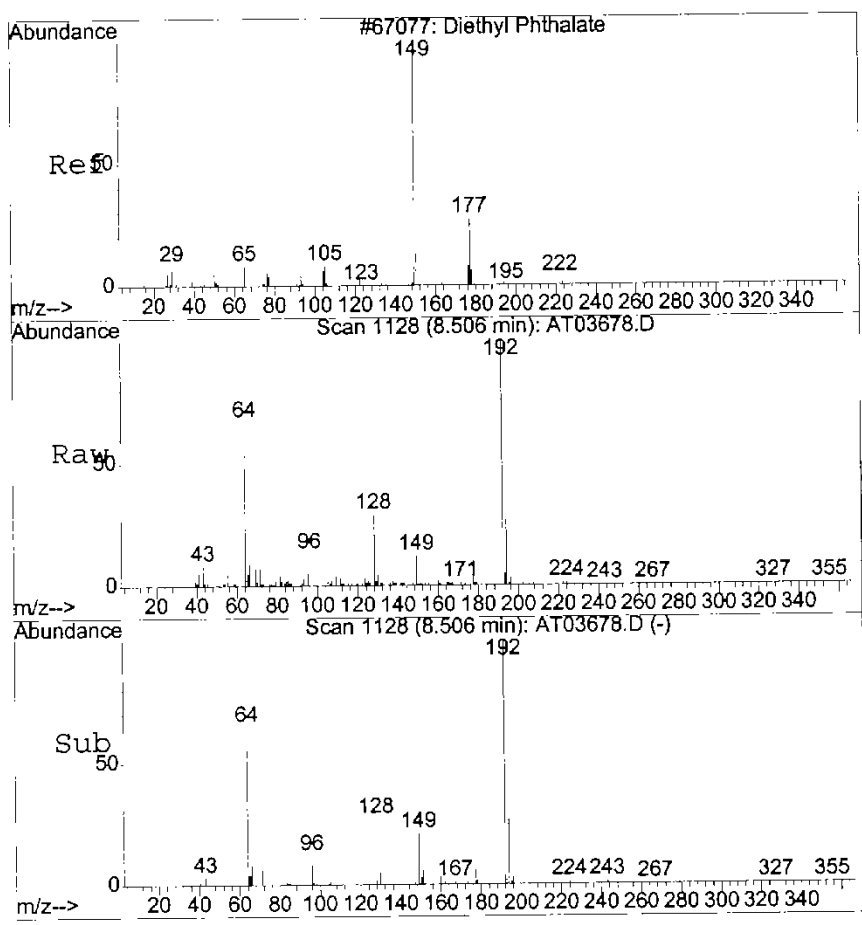


#57
2,3,4,6-Tetrachlorophenol
Concen: 55.99 ug/L
RT: 8.37 min Scan# 1102
Delta R.T. -0.00 min
Lab File: AT03678.D
Acq: 25 Feb 2005 3:59 pm

Tgt Ion:232 Resp: 738

Ion	Ratio	Lower	Upper
232	100		
131	13.3	2.5	62.5
166	40.1	0.0	51.5

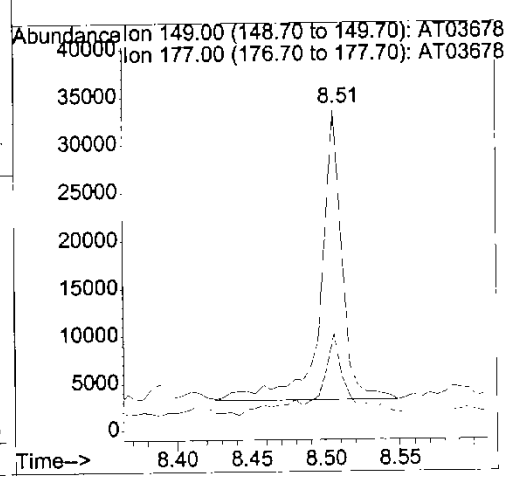


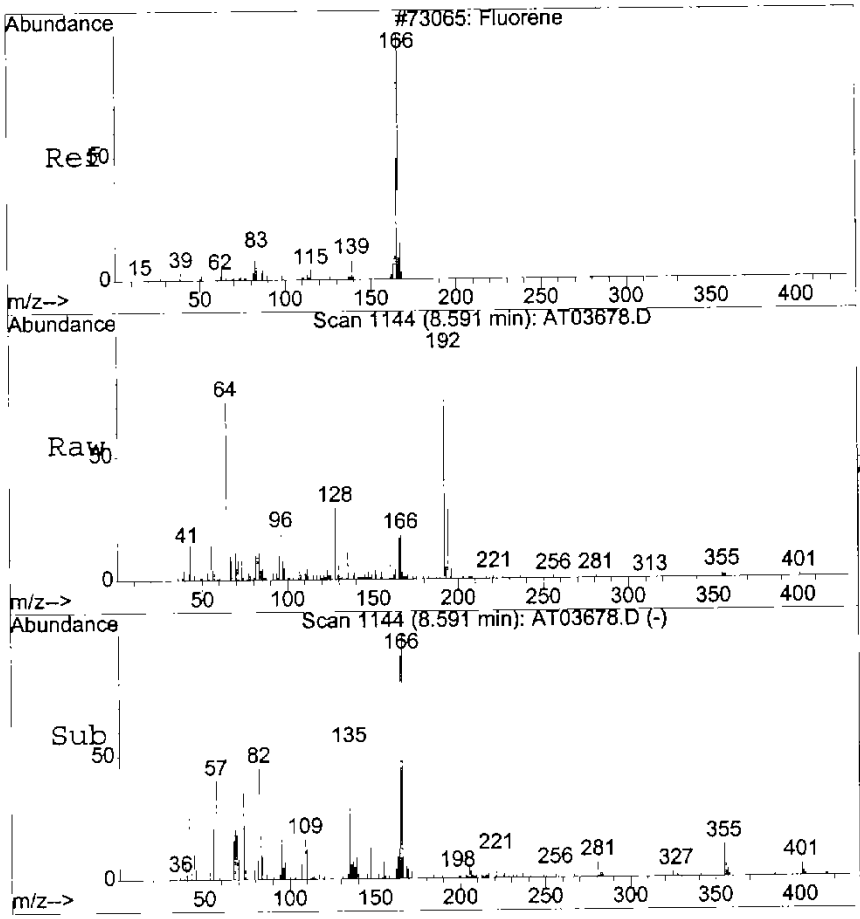


#59
Diethylphthalate
Concen: 54.65 ug/L
RT: 8.51 min Scan# 1128
Delta R.T. -0.00 min
Lab File: AT03678.D
Acq: 25 Feb 2005 3:59 pm

Tgt Ion:149 Resp: 31135

Ion	Ratio	Lower	Upper
149	100		
177	27.1	0.0	53.1

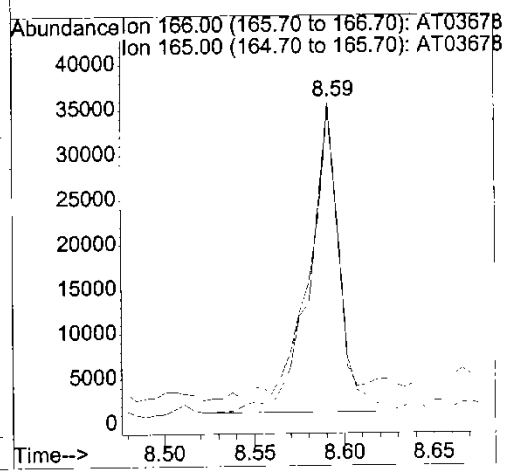


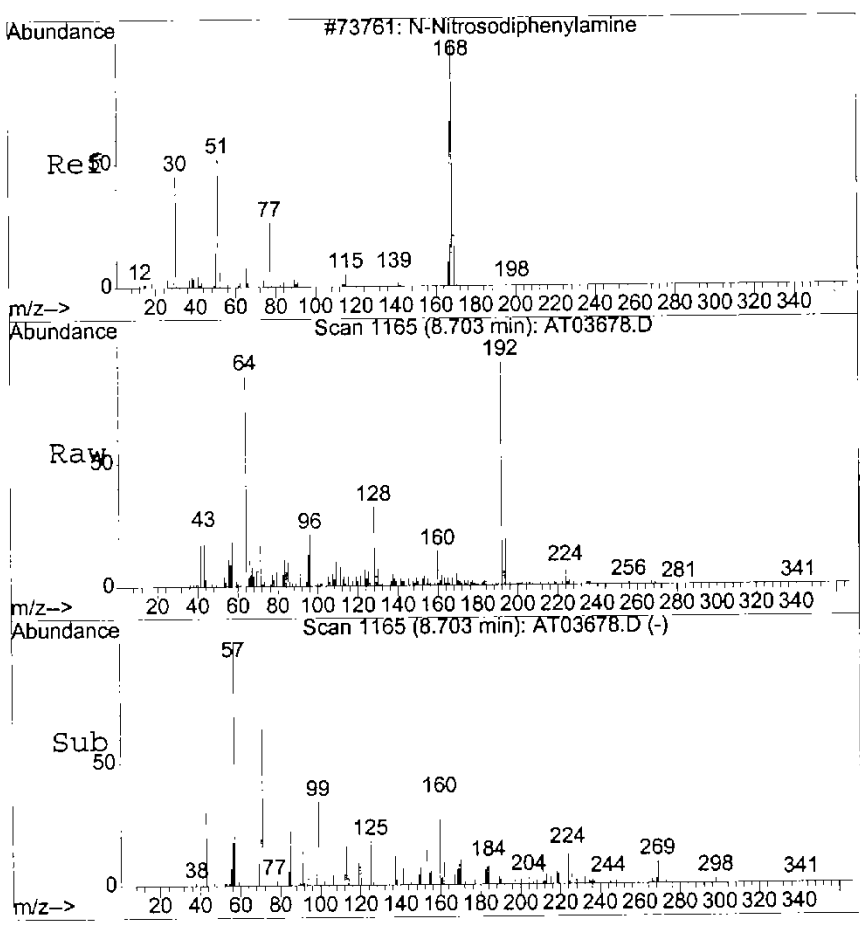


#60
Fluorene
Concen: 74.87 ug/L
RT: 8.59 min Scan# 1144
Delta R.T. -0.01 min
Lab File: AT03678.D
Acq: 25 Feb 2005 3:59 pm

Tgt Ion:166 Resp: 40184

Ion	Ratio	Lower	Upper
166	100		
165	91.6	65.1	125.1

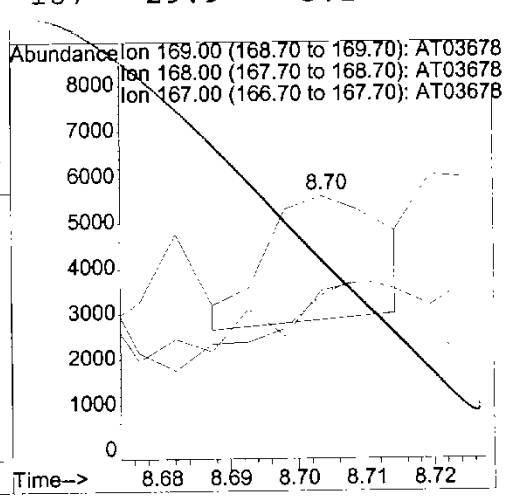


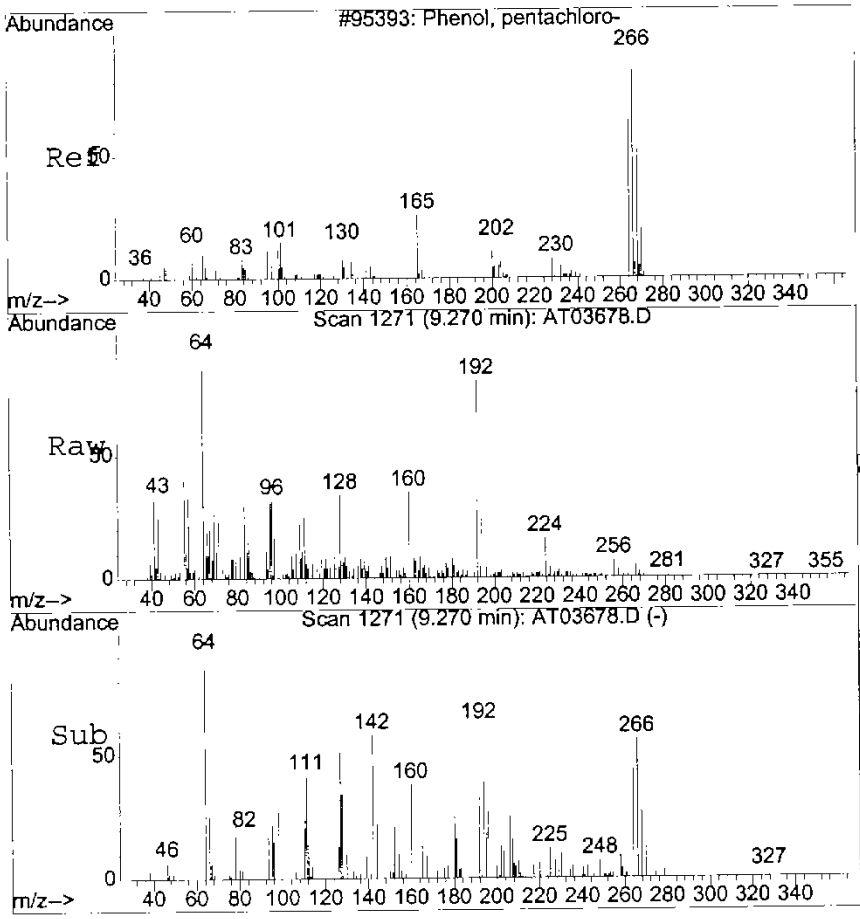


#65
n-Nitrosodiphenylamine
Concen: 17.52 ug/L
RT: 8.70 min Scan# 1165
Delta R.T. -0.00 min
Lab File: AT03678.D
Acq: 25 Feb 2005 3:59 pm

Tgt Ion:169 Resp: 3334

Ion	Ratio	Lower	Upper
169	100		
168	62.9	31.4	91.4
167	29.9	3.1	63.1

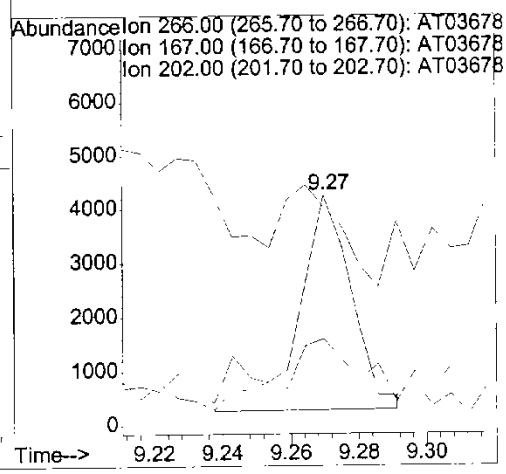


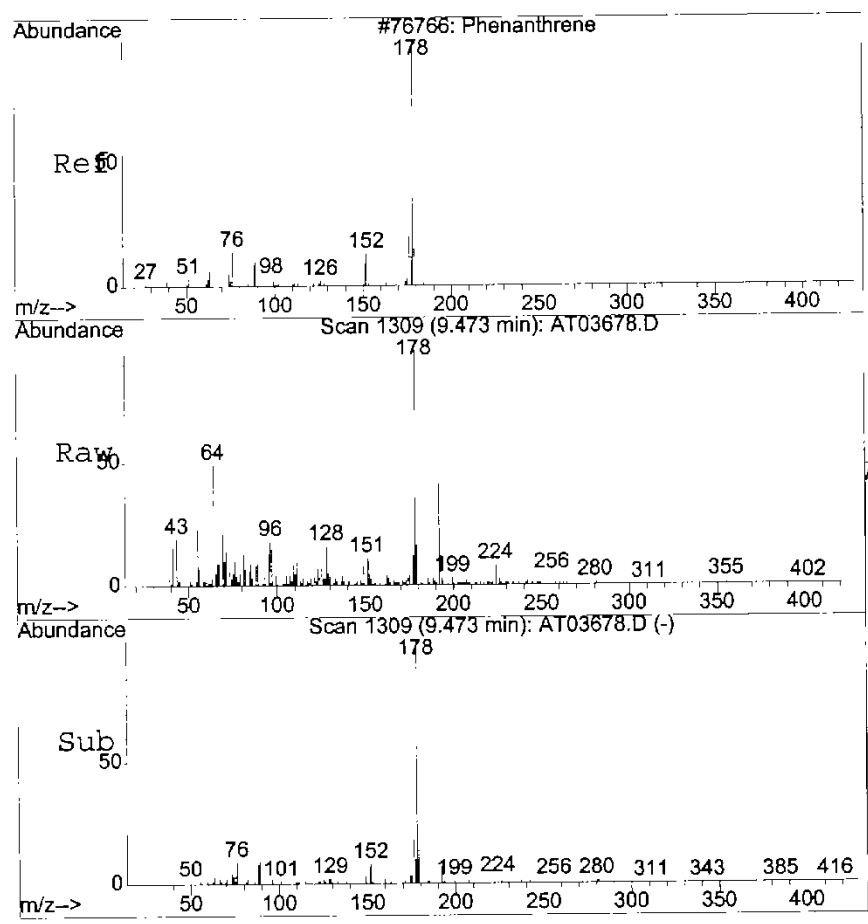


#70
Pentachlorophenol
Concen: 45.84 ug/L
RT: 9.27 min Scan# 1271
Delta R.T. -0.00 min
Lab File: AT03678.D
Acq: 25 Feb 2005 3:59 pm

Tgt Ion:266 Resp: 4300

Ion	Ratio	Lower	Upper
266	100		
167	1.1	0.0	59.5
202	30.5	0.0	48.3

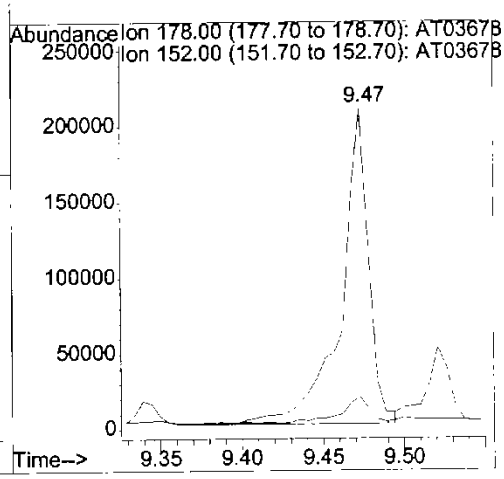


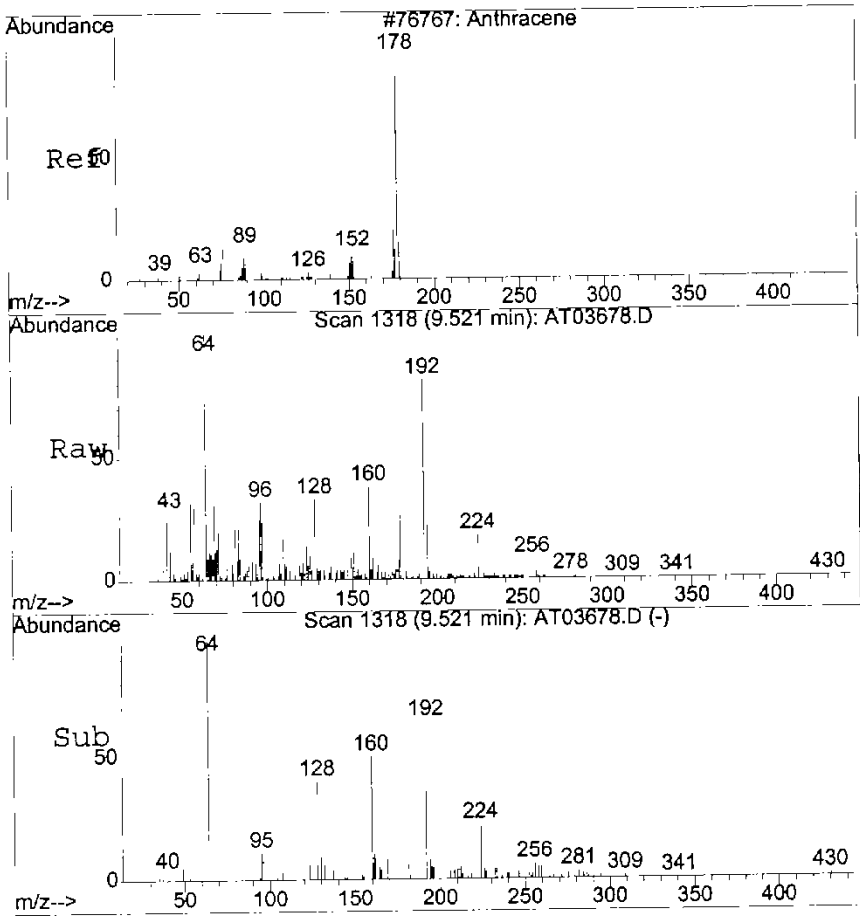


#71
Phenanthrene
Concen: 291.28 ug/L
RT: 9.47 min Scan# 1309
Delta R.T. 0.00 min
Lab File: AT03678.D
Acq: 25 Feb 2005 3:59 pm

Tgt Ion:178 Resp: 246927

Ion	Ratio	Lower	Upper
178	100		
152	7.9	0.0	39.1

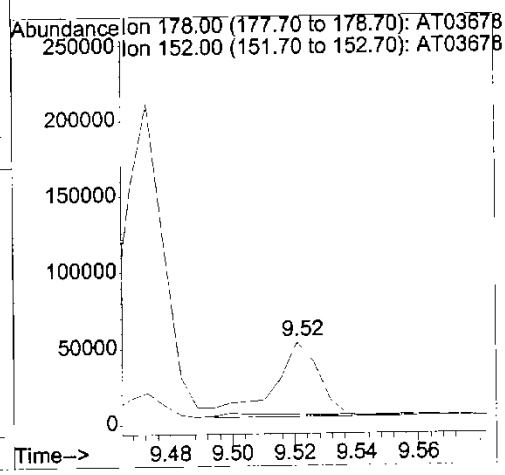


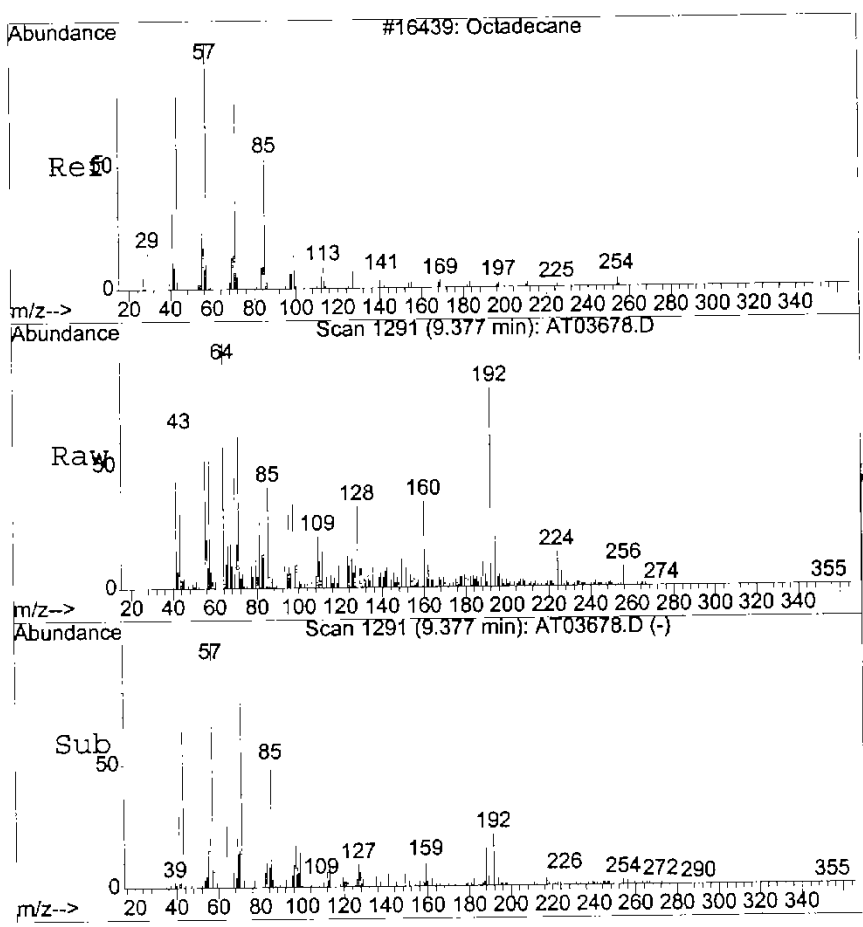


#72
Anthracene
Concen: 64.35 ug/L
RT: 9.52 min Scan# 1318
Delta R.T. 0.00 min
Lab File: AT03678.D
Acq: 25 Feb 2005 3:59 pm

Tgt Ion:178 Resp: 49472

Ion	Ratio	Lower	Upper
178	100		
152	1.6	0.0	37.3

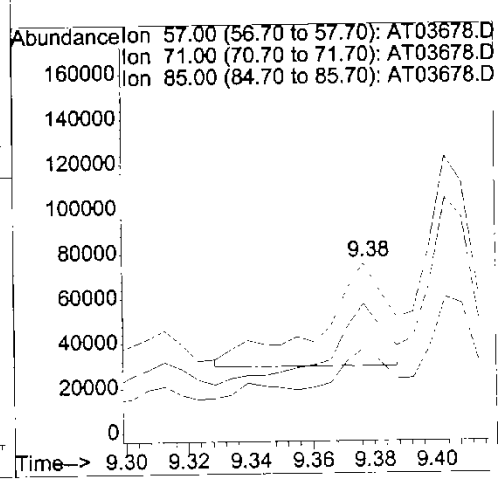


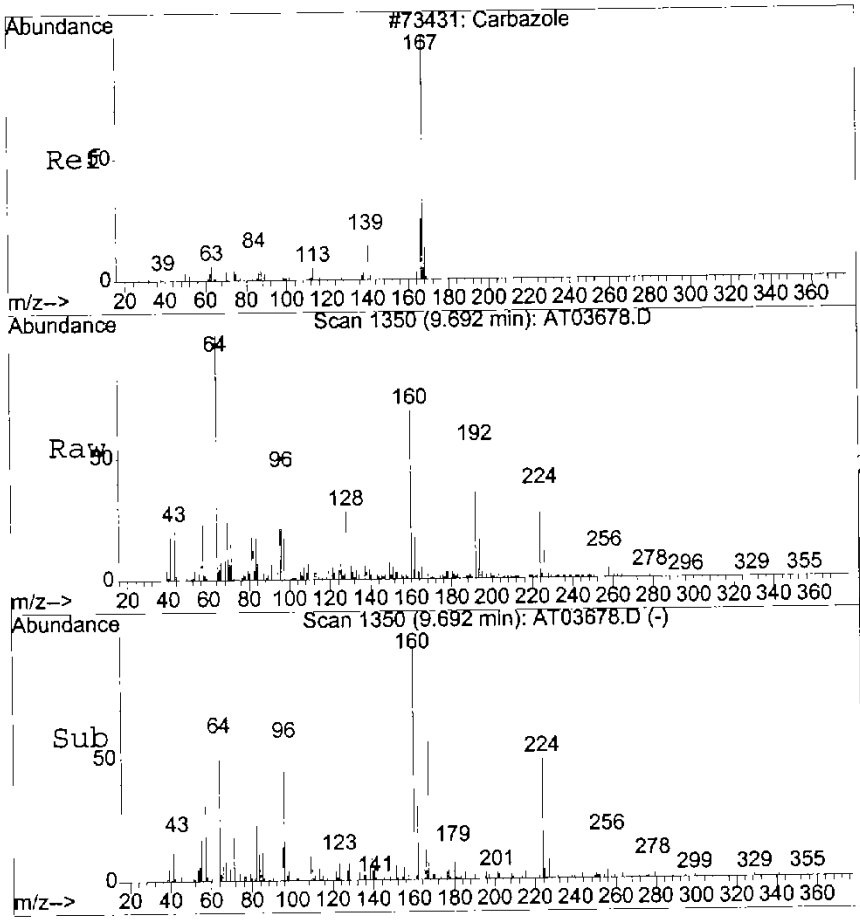


#73
Octadecane
Concen: 280.19 ul/L
RT: 9.38 min Scan# 1291
Delta R.T. 0.00 min
Lab File: AT03678.D
Acq: 25 Feb 2005 3:59 pm

Tgt Ion: 57 Resp: 68929

Ion	Ratio	Lower	Upper
57	100		
71	81.7	52.7	97.9
85	40.4	37.5	69.7

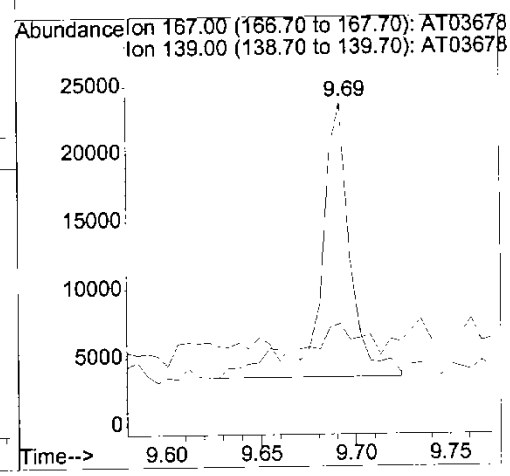


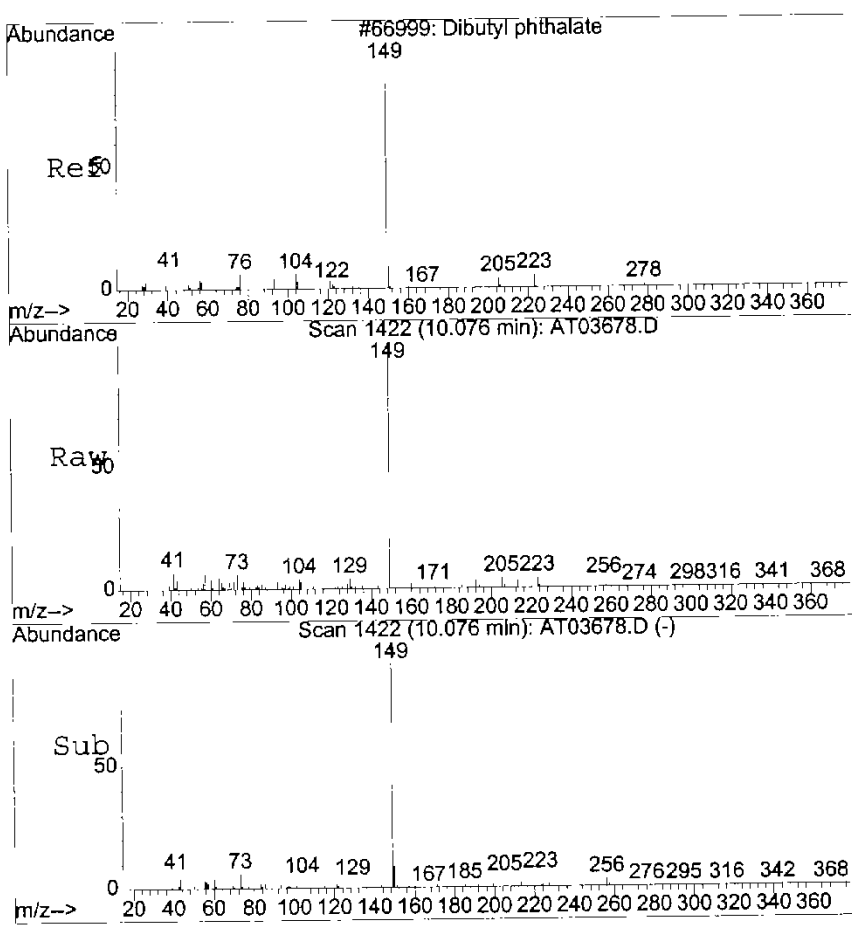


#74
Carbazole
Concen: 44.56 ug/L
RT: 9.69 min Scan# 1350
Delta R.T. 0.00 min
Lab File: AT03678.D
Acq: 25 Feb 2005 3:59 pm

Tgt Ion:167 Resp: 23194

Ion	Ratio	Lower	Upper
167	100		
139	7.3	0.0	41.5

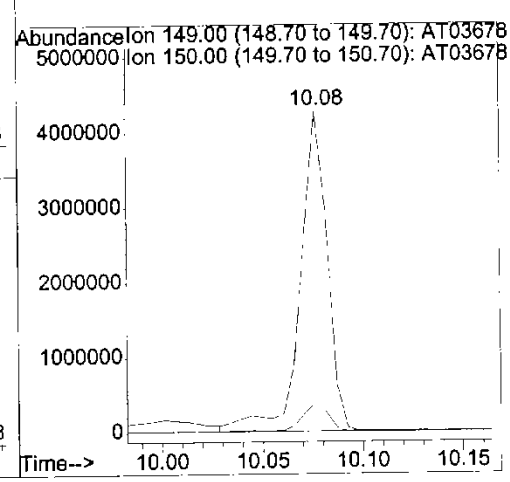




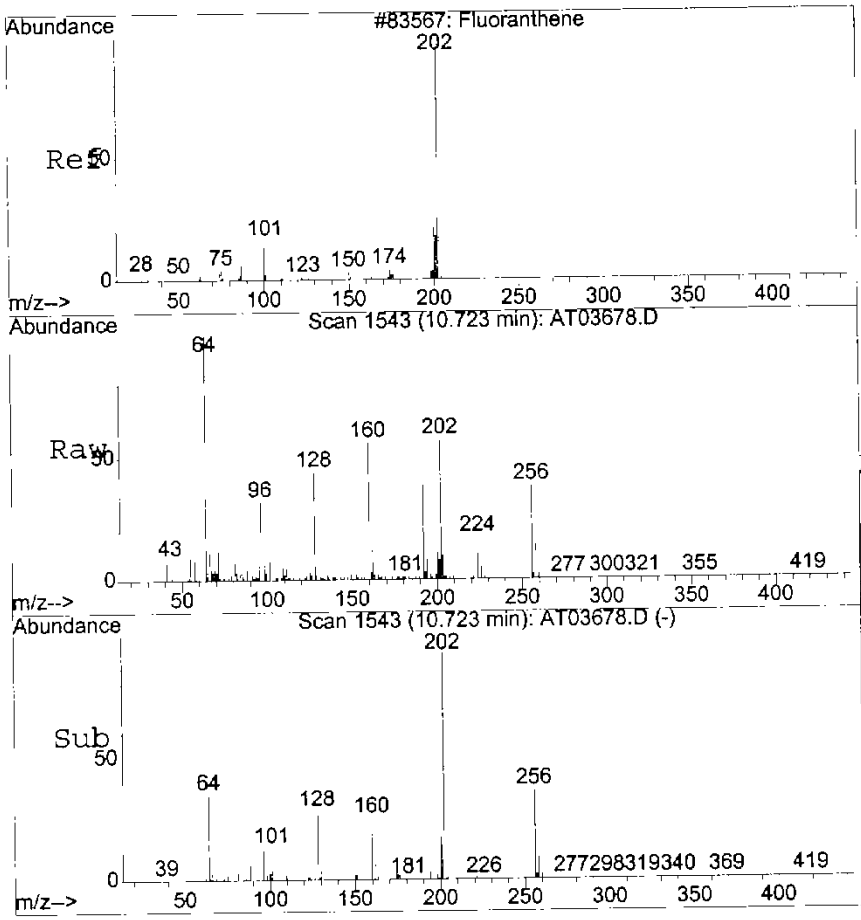
#75
Di-n-butylphthalate
Concen: 4387.60 ug/L
RT: 10.08 min Scan# 1422
Delta R.T. 0.01 min
Lab File: AT03678.D
Acq: 25 Feb 2005 3:59 pm

Tgt Ion:149 Resp: 3998136

Ion	Ratio	Lower	Upper
149	100		
150	9.1	0.0	39.0



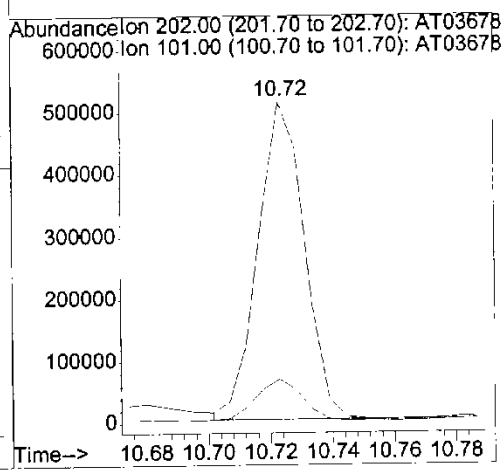
00367

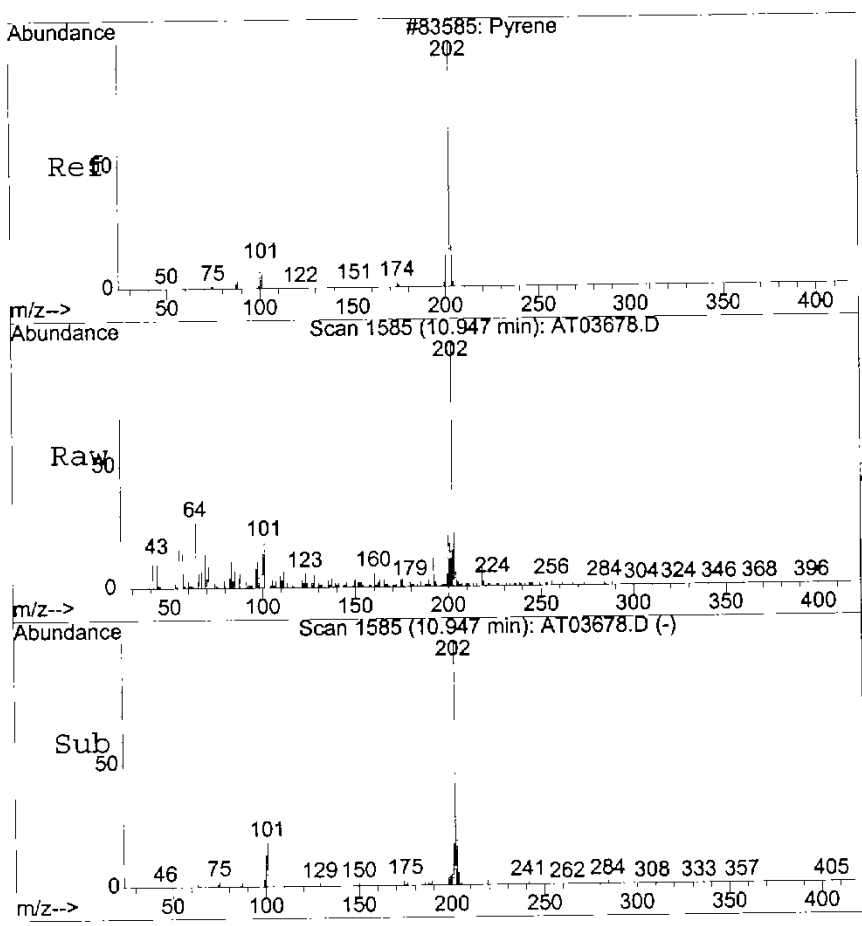


#76
Fluoranthene
Concen: 610.53 ug/L
RT: 10.72 min Scan# 1543
Delta R.T. 0.02 min
Lab File: AT03678.D
Acq: 25 Feb 2005 3:59 pm

Tgt Ion:202 Resp: 528232

Ion	Ratio	Lower	Upper
202	100		
101	13.2	0.0	43.7

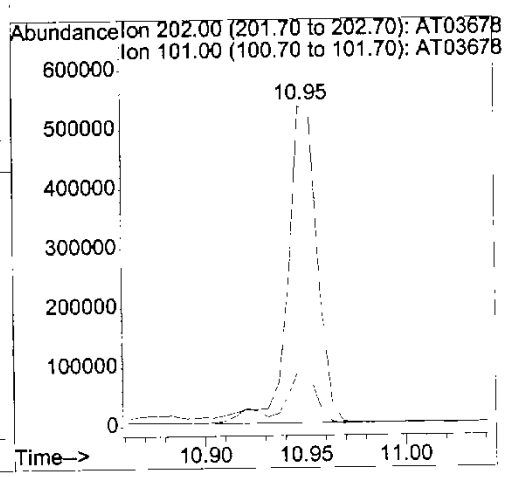


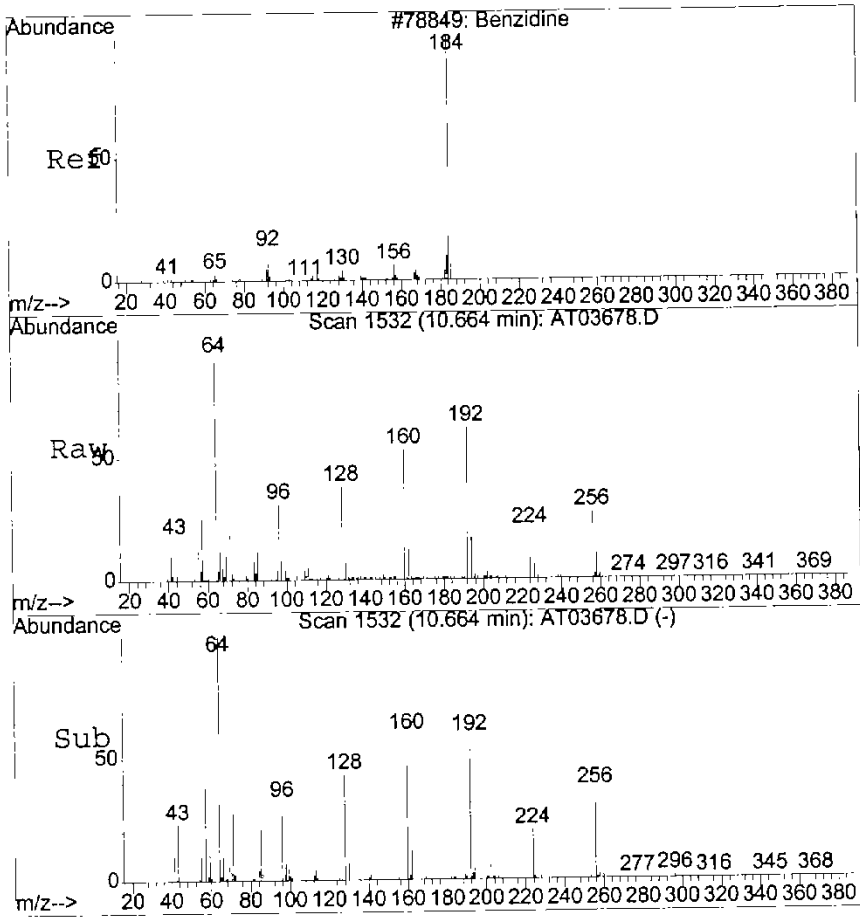


#77
Pyrene
Concen: 608.43 ug/L
RT: 10.95 min Scan# 1585
Delta R.T. 0.00 min
Lab File: AT03678.D
Acq: 25 Feb 2005 3:59 pm

Tgt Ion:202 Resp: 546014

Ion	Ratio	Lower	Upper
202	100		
101	18.3	0.0	45.3

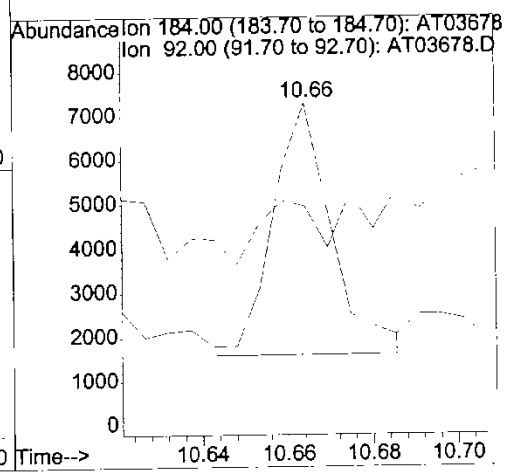


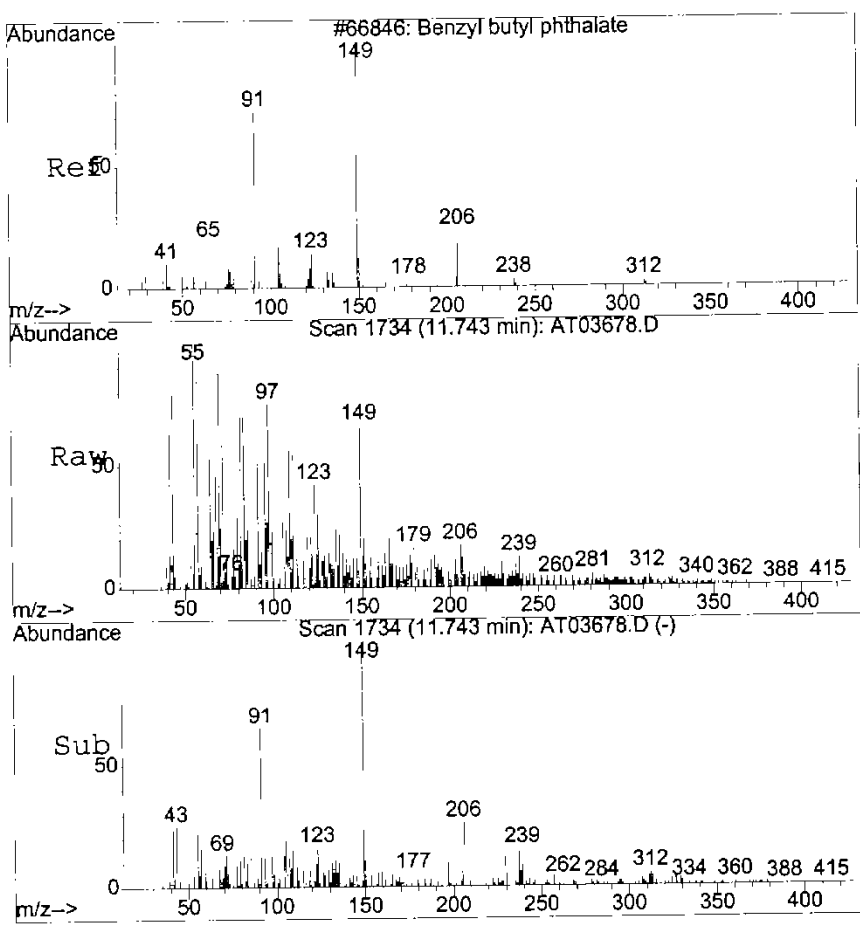


#78
Benzidine
Concen: 44.01 ul/l
RT: 10.66 min Scan# 1532
Delta R.T. -0.21 min
Lab File: AT03678.D
Acq: 25 Feb 2005 3:59 pm

Tgt Ion:184 Resp: 5415

Ion	Ratio	Lower	Upper
184	100		
92	23.5	0.0	38.7

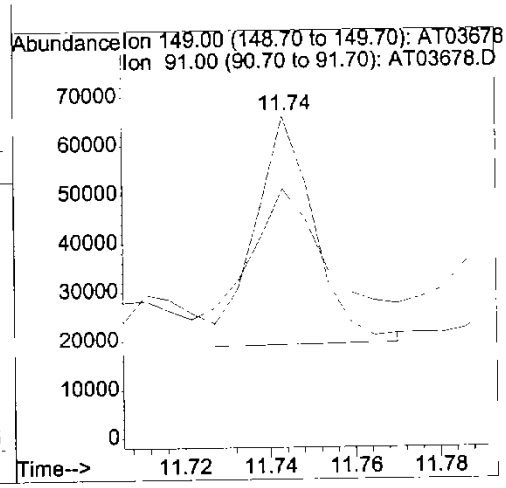


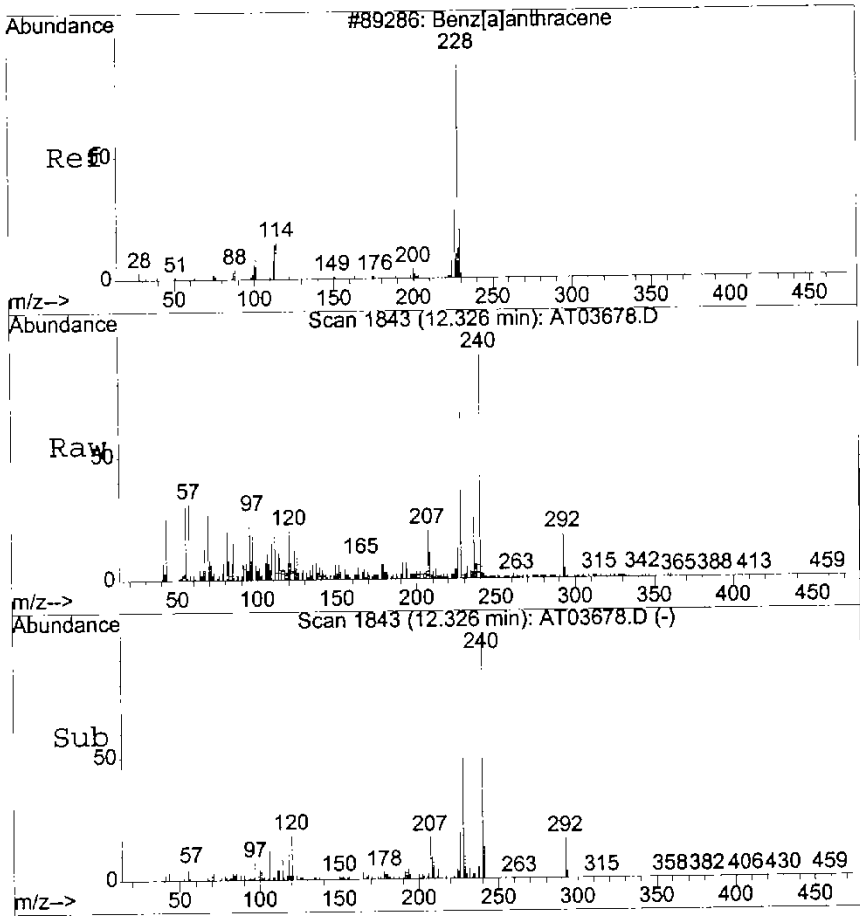


#81
Butylbenzylphthalate
Concen: 181.49 ug/L
RT: 11.74 min Scan# 1734
Delta R.T. 0.01 min
Lab File: AT03678.D
Acq: 25 Feb 2005 3:59 pm

Tgt Ion:149 Resp: 44777

Ion	Ratio	Lower	Upper
149	100		
91	55.0	30.6	90.6

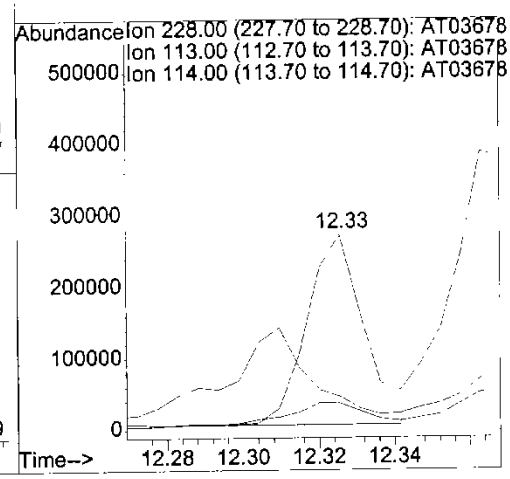


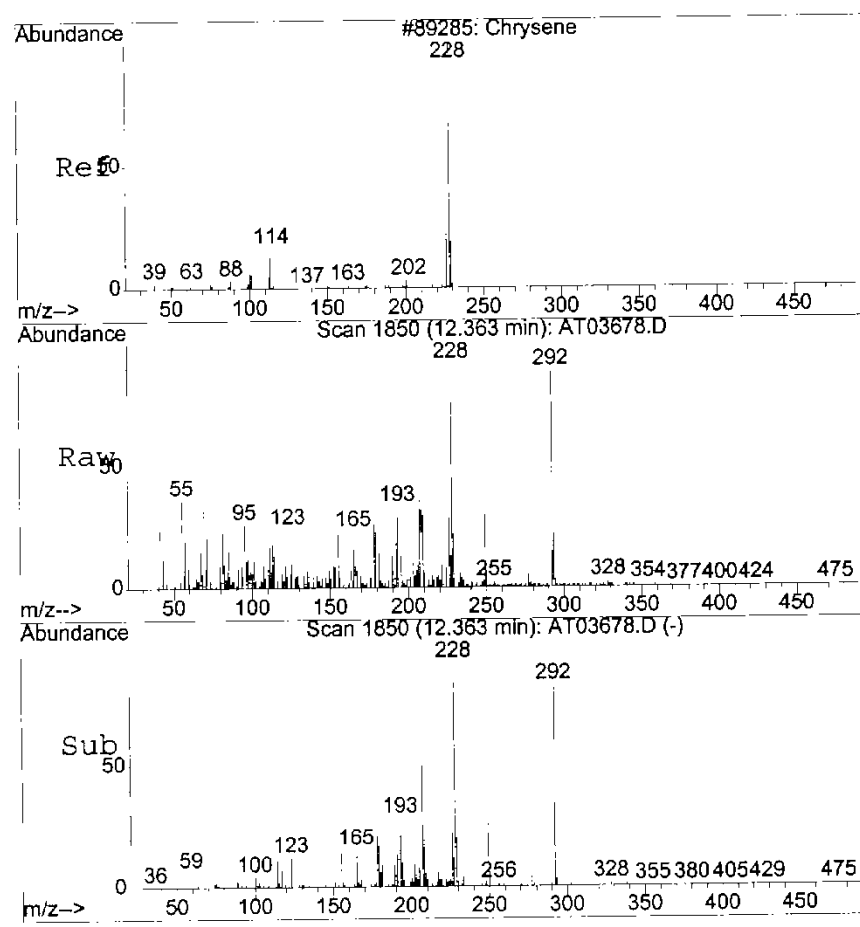


#82
Benzo(a)anthracene
Concen: 353.46 ug/L
RT: 12.33 min Scan# 1843
Delta R.T. 0.01 min
Lab File: AT03678.D
Acq: 25 Feb 2005 3:59 pm

Tgt Ion:228 Resp: 282404

Ion	Ratio	Lower	Upper
228	100		
113	2.8	0.0	41.9
114	11.1	0.0	43.6

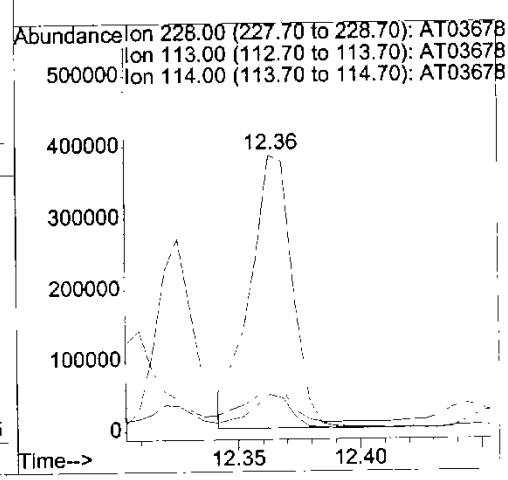


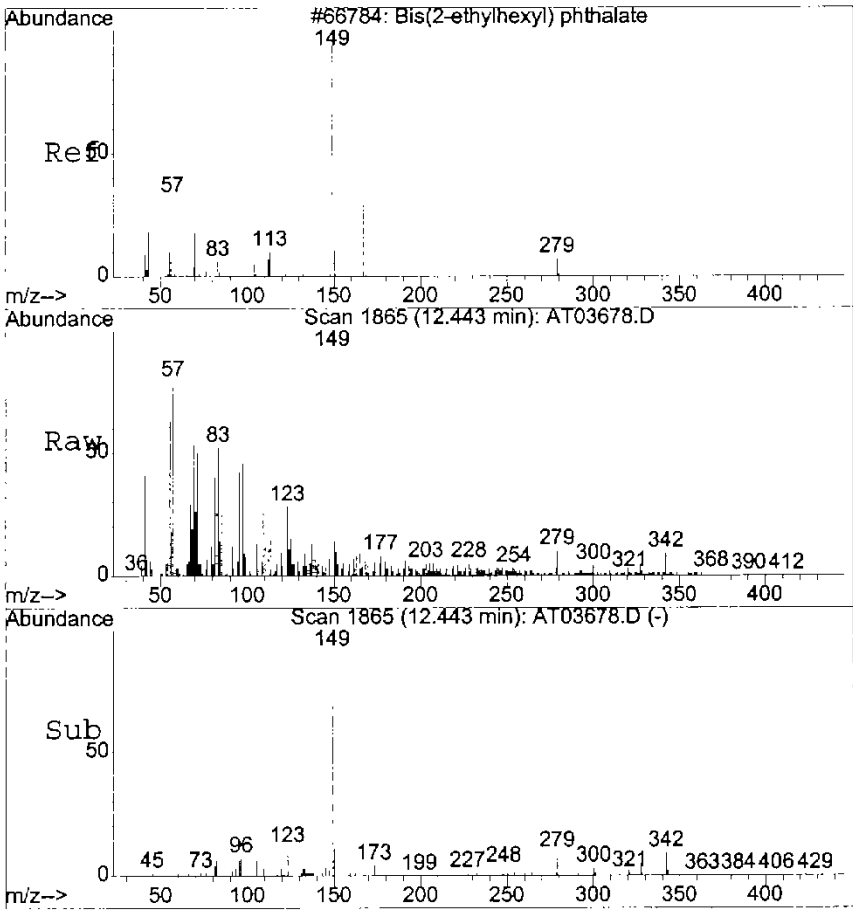


#84
Chrysene
Concen: 560.02 ug/L
RT: 12.36 min Scan# 1850
Delta R.T. 0.00 min
Lab File: AT03678.D
Acq: 25 Feb 2005 3:59 pm

Tgt Ion:228 Resp: 466376

Ion	Ratio	Lower	Upper
228	100		
113	14.8	0.0	41.9
114	12.2	0.0	40.2

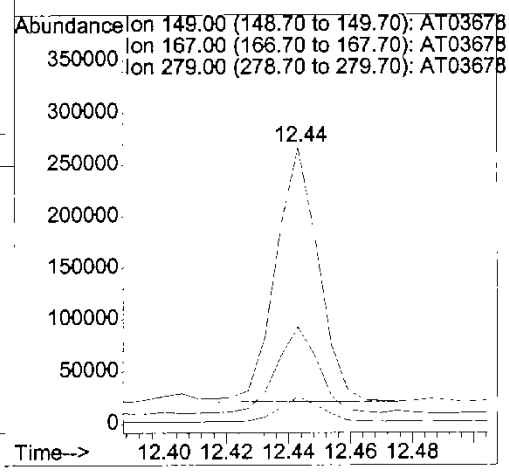


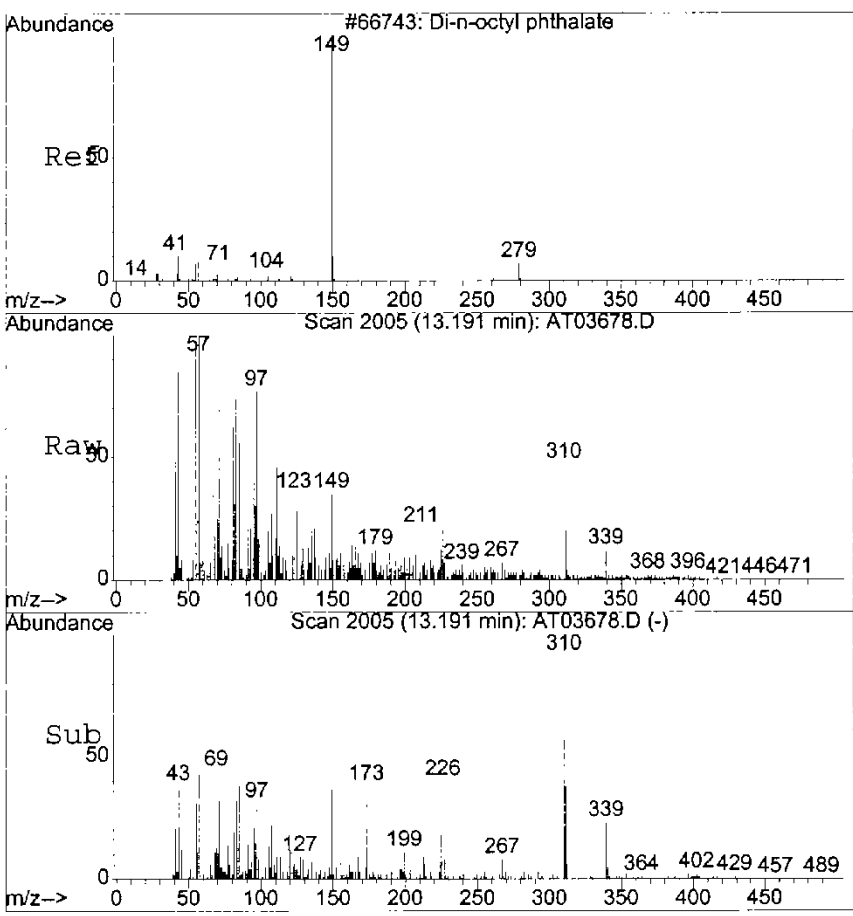


#85
bis(2-Ethylhexyl)phthalate
Concen: 449.29 ug/L
RT: 12.44 min Scan# 1865
Delta R.T. 0.01 min
Lab File: AT03678.D
Acq: 25 Feb 2005 3:59 pm

Tgt Ion:149 Resp: 231844

Ion	Ratio	Lower	Upper
149	100		
167	33.1	2.4	62.4
279	9.7	0.0	39.0

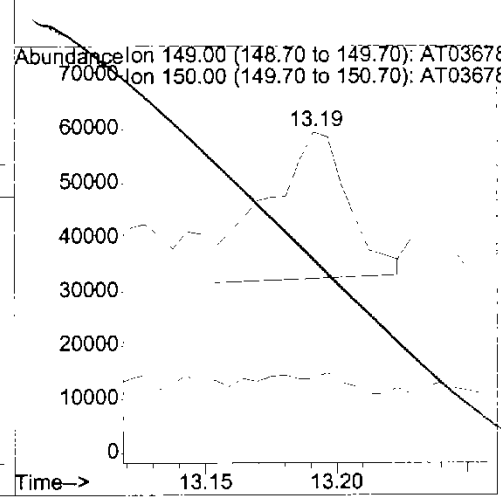


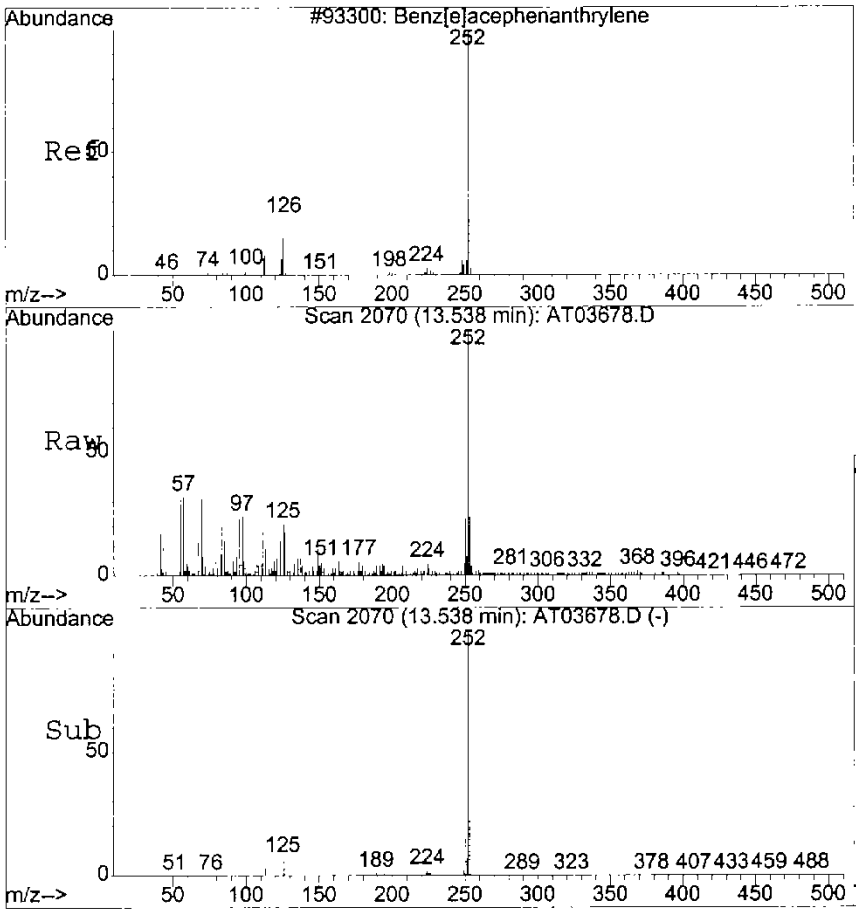


#87
Di-n-octylphthalate
Concen: 69.80 ug/L
RT: 13.19 min Scan# 2005
Delta R.T. 0.04 min
Lab File: AT03678.D
Acq: 25 Feb 2005 3:59 pm

Tgt Ion:149 Resp: 57780

Ion	Ratio	Lower	Upper
149	100		
150	4.6	0.0	39.5

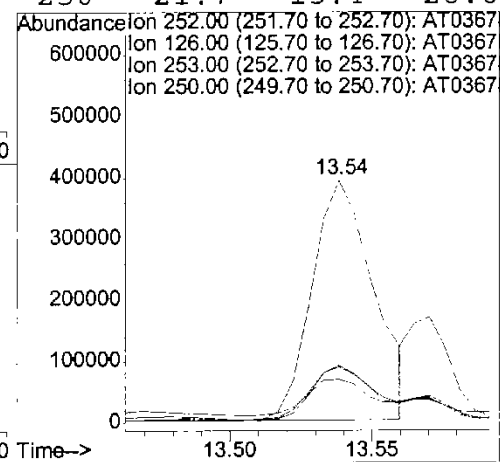


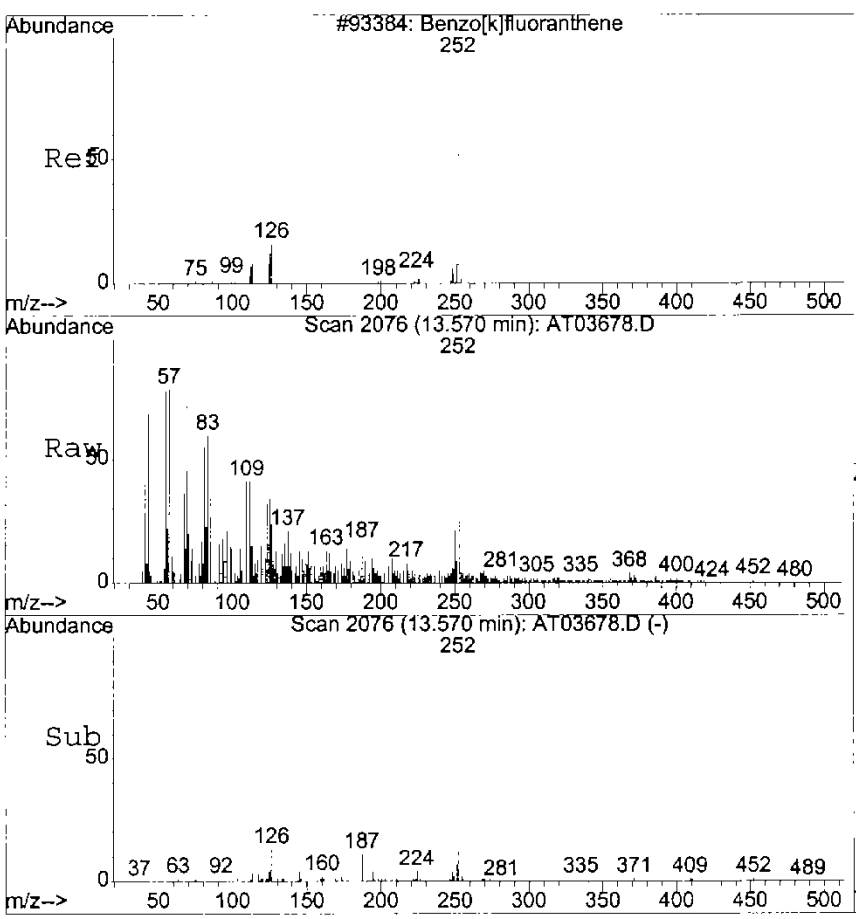


#88
Benzo(b)fluoranthene
Concen: 641.64 ul/l
RT: 13.54 min Scan# 2070
Delta R.T. 0.01 min
Lab File: AT03678.D
Acq: 25 Feb 2005 3:59 pm

Tgt Ion:252 Resp: 589480

Ion	Ratio	Lower	Upper
252	100		
126	14.0	11.5	21.5
253	22.2	15.6	29.0
250	21.7	15.4	28.6

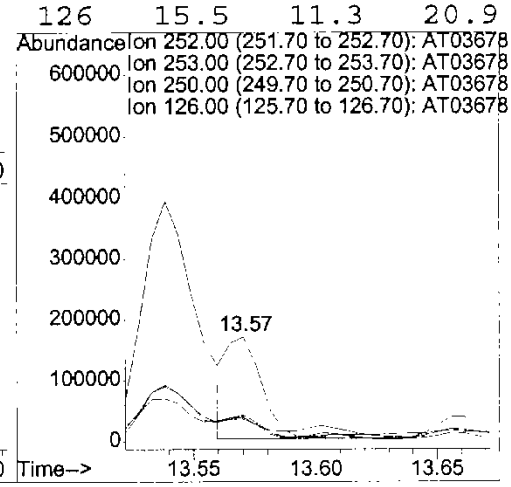


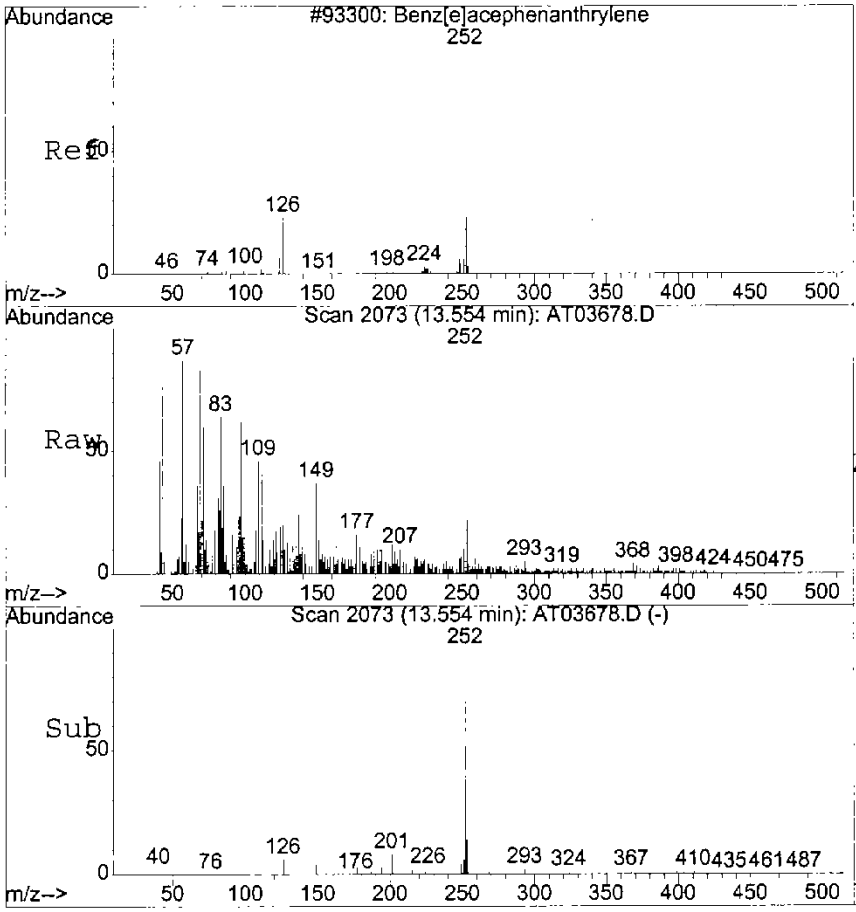


#89
benzo(k)fluoranthene
Concen: 202.36 ul/l
RT: 13.57 min Scan# 2076
Delta R.T. 0.01 min
Lab File: AT03678.D
Acq: 25 Feb 2005 3:59 pm

Tgt Ion:252 Resp: 165909

Ion	Ratio	Lower	Upper
252	100		
253	22.8	15.2	28.2
250	18.1	15.4	28.6
126	15.5	11.3	20.9

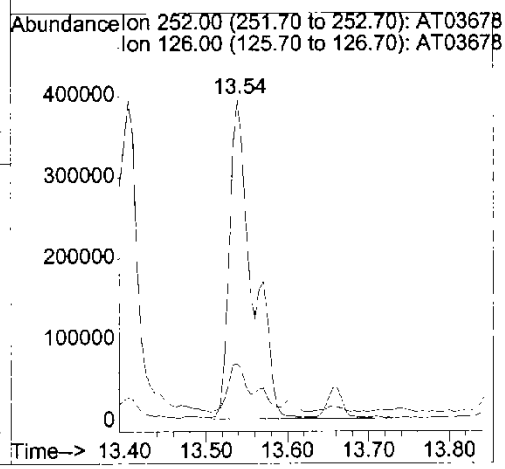


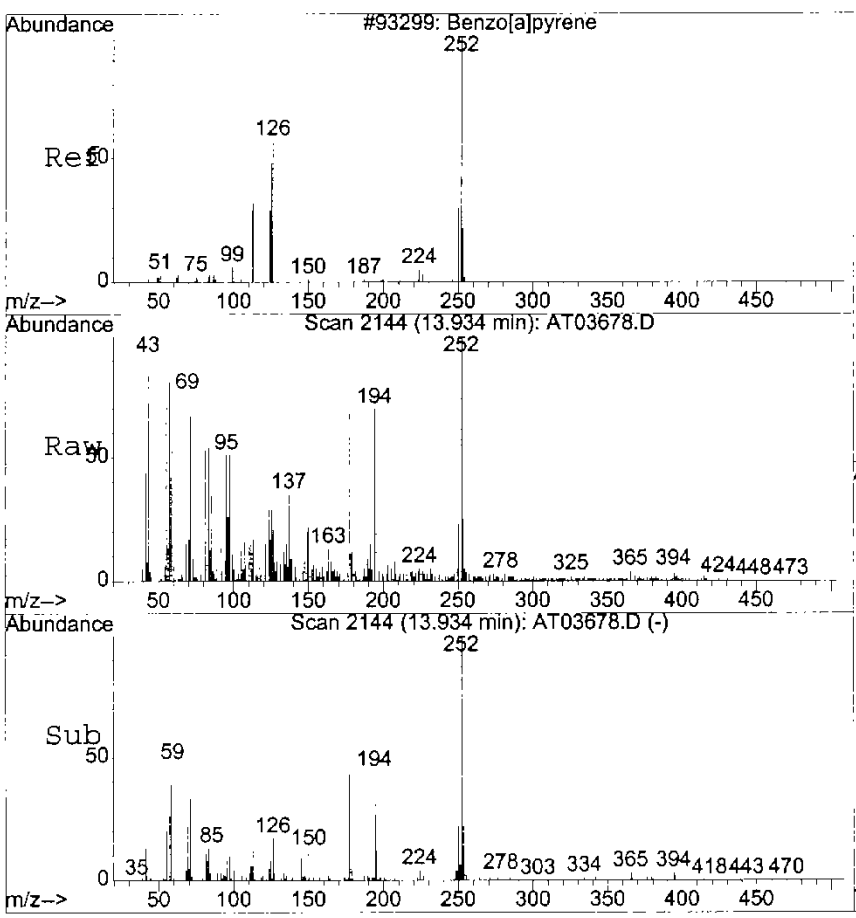


#90
Benzofluoranthenes
Concen: 984.97 ug/L
RT: 13.56 min Scan# 2073
Delta R.T. 0.01 min
Lab File: AT03678.D
Acq: 25 Feb 2005 3:59 pm

Tgt Ion:252 Resp: 818000

Ion	Ratio	Lower	Upper
252	100		
126	13.0	0.0	50.7

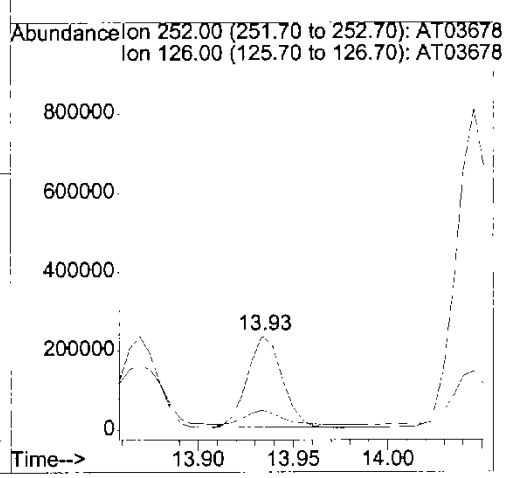


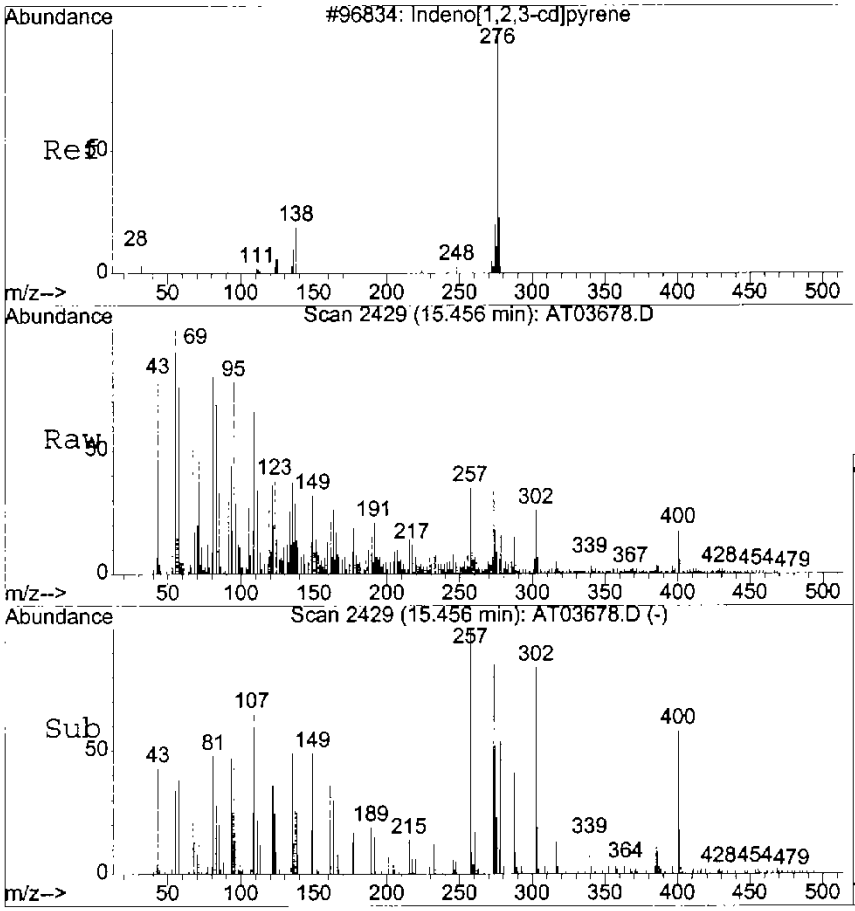


#91
Benzo(a)pyrene
Concen: 406.43 ug/L
RT: 13.93 min Scan# 2144
Delta R.T. 0.01 min
Lab File: AT03678.D
Acq: 25 Feb 2005 3:59 pm

Tgt Ion:252 Resp: 289393

Ion	Ratio	Lower	Upper
252	100		
126	15.4	0.0	44.5

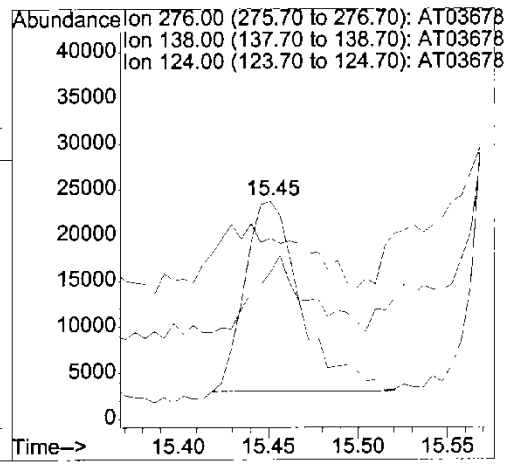


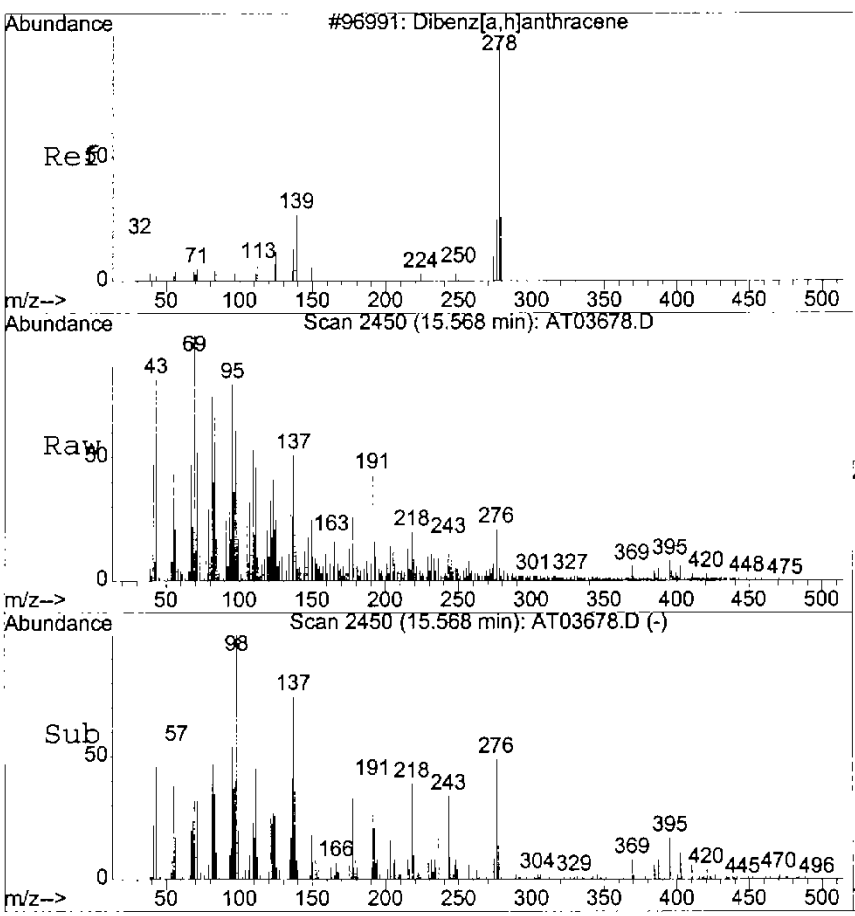


#92
Indeno(1,2,3-cd)pyrene
Concen: 76.00 ug/L
RT: 15.46 min Scan# 2429
Delta R.T. -0.11 min
Lab File: AT03678.D
Acq: 25 Feb 2005 3:59 pm

Tgt Ion:276 Resp: 44879

Ion	Ratio	Lower	Upper
276	100		
138	34.5	0.0	52.0
124	0.0	0.0	35.3

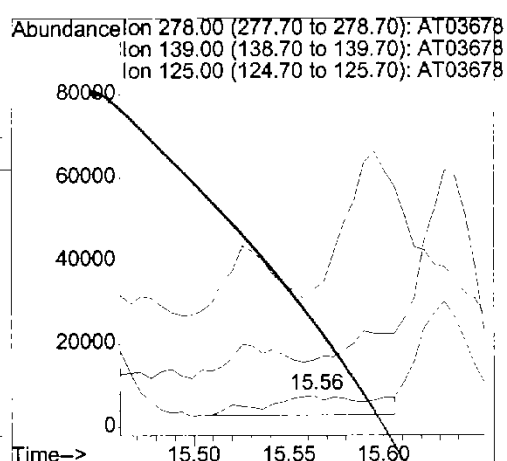


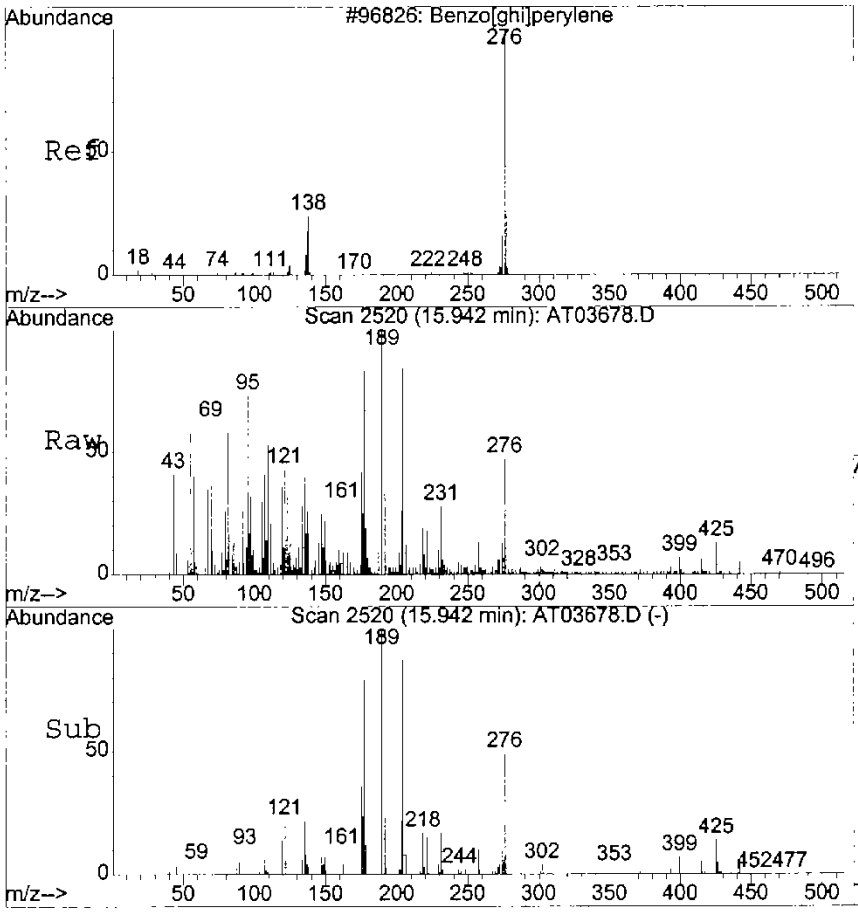


#93
Dibenz(a,h)anthracene
Concen: 34.78 ug/L
RT: 15.57 min Scan# 2450
Delta R.T. -0.04 min
Lab File: AT03678.D
Acq: 25 Feb 2005 3:59 pm

Tgt Ion:278 Resp: 18585

Ion	Ratio	Lower	Upper
278	100		
139	0.0	0.0	46.2
125	0.0	0.0	34.4

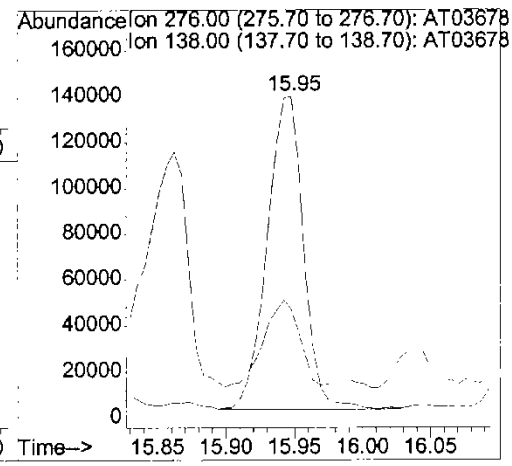




#94
Benzo(g,h,i)perylene
Concen: 316.03 ug/L
RT: 15.94 min Scan# 2520
Delta R.T. 0.04 min
Lab File: AT03678.D
Acq: 25 Feb 2005 3:59 pm

Tgt Ion:276 Resp: 251326

Ion	Ratio	Lower	Upper
276	100		
138	22.3	0.0	53.5



Quantitation Report (QT Reviewed)

Data File : H:\DATA\030105_A\AT03697.D
Acq On : 1 Mar 2005 12:04 pm
Sample : 126377-3 &1
Misc :
MS Integration Params: Rteint.p
Quant Time: Mar 01 12:40:01 2005

Vial: 11
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: 8270_022505.RES

Quant Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Feb 28 14:16:48 2005
Response via : Initial Calibration
DataAcq Meth : 8270EXT

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
72)	Anthracene	9.38	178	33400	44.931	ug/L	91
73)	Octadecane	9.27	57	82270	345.889	ul/L	91
74)	Carbazole	9.54	167	20623	40.981	ug/L	99
75)	Di-n-butylphthalate	9.93	149	4386992	4979.459	ug/L	99
76)	Fluoranthene	10.55	202	455256	544.229	ug/L	99
77)	Pyrene	10.78	202	461227	531.581	ug/L	90
78)	Benzidine	10.51	184	4361	36.658	ul/l	67
81)	Butylbenzylphthalate	11.59	149	89091	312.829	ug/L	93
82)	Benzo(a)anthracene	12.15	228	226064m	309.888	ug/L	
84)	Chrysene	12.19	228	329955	433.939	ug/L	98
85)	bis(2-Ethylhexyl)phthalate	12.29	149	336247	713.663	ug/L	100
87)	Di-n-octylphthalate	12.96	149	13235	17.532	ug/L	28
88)	Benzo(b)fluoranthene	13.35	252	450691	539.957	ul/l	99
89)	benzo(k)fluoranthene	13.38	252	139010m	185.918	ul/l	
90)	Benzofluoranthenes	13.37	252	646763	853.943	ug/L	96
91)	Benzo(a)pyrene	13.72	252	268260	413.111	ug/L	92
92)	Indeno(1,2,3-cd)pyrene	15.31	276	200805	297.367	ug/L	73
93)	Dibenz(a,h)anthracene	15.36	278	40931	66.098	ug/L	67
94)	Benzo(g,h,i)perylene	15.69	276	213613	294.532	ug/L	100

3/2/05

(#) = qualifier out of range (m) = manual integration

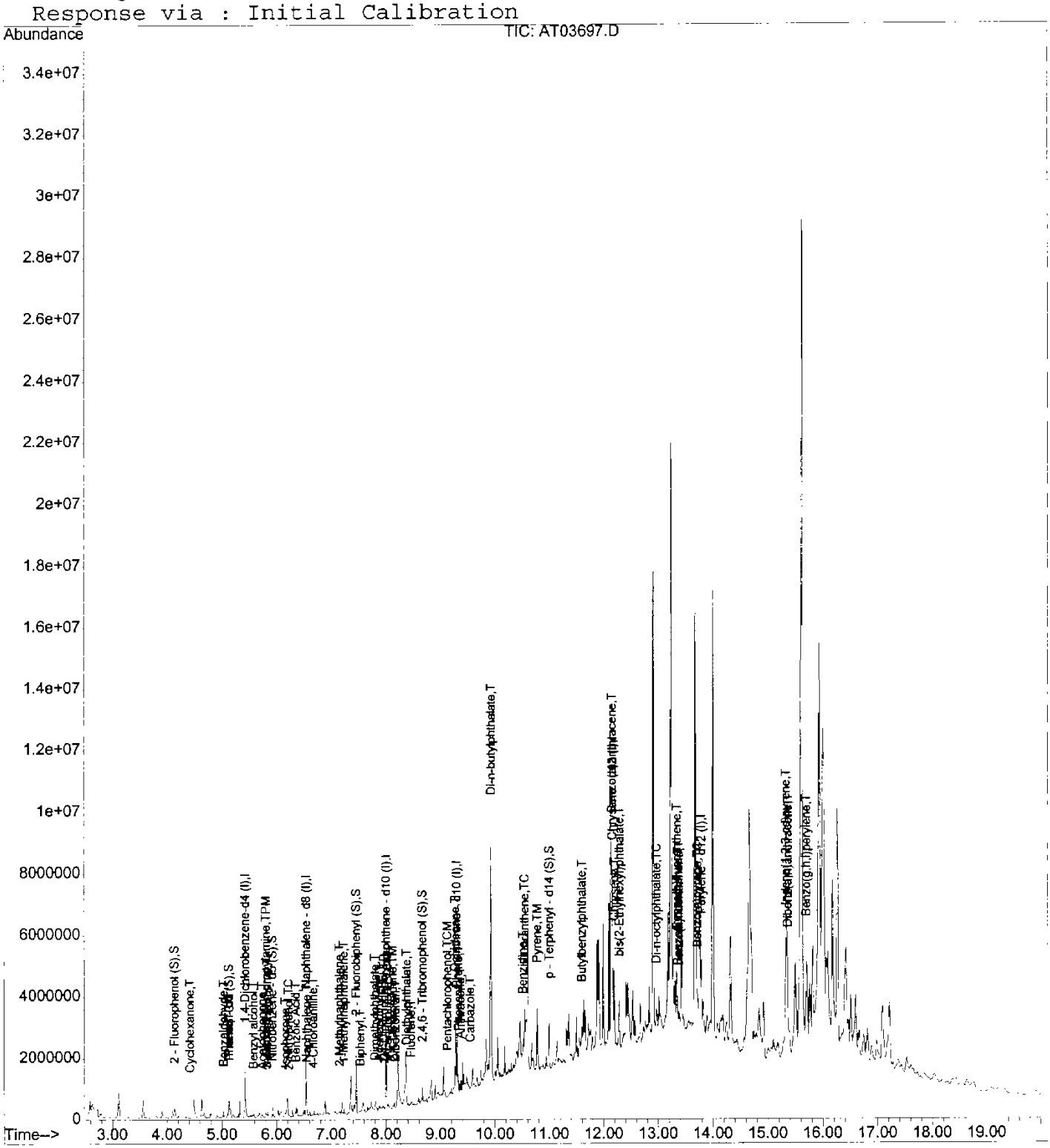
00376

Quantitation Report (QT Reviewed)

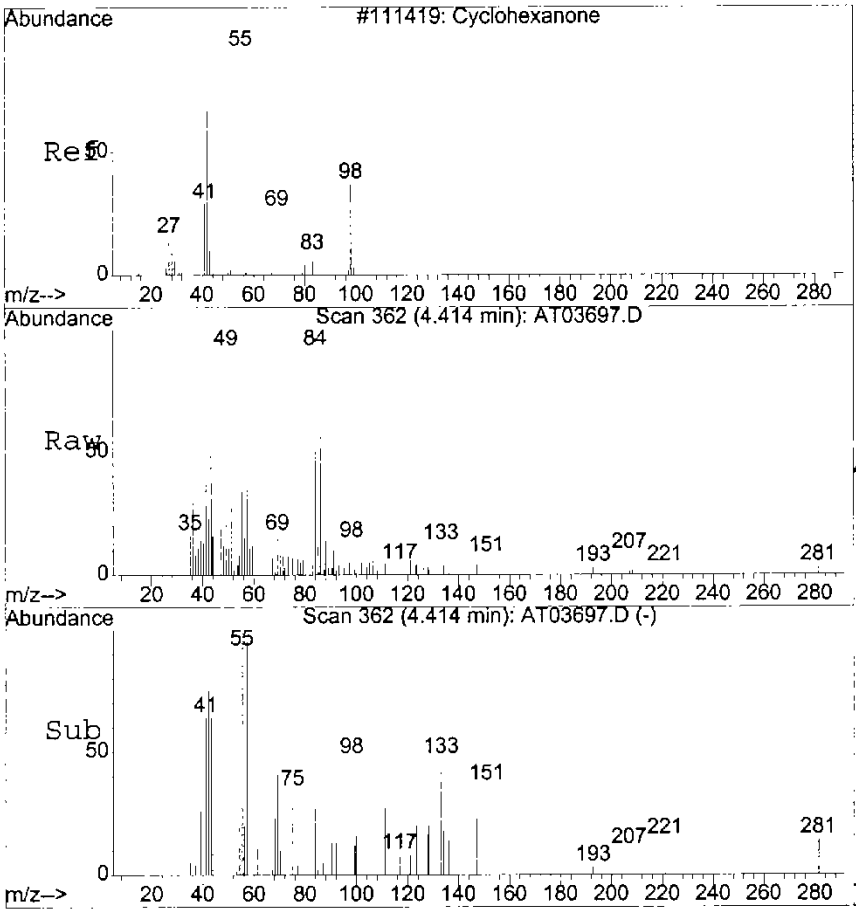
Data File : H:\DATA\030105_A\AT03697.D
Acq On : 1 Mar 2005 12:04 pm
Sample : 126377-3 &1
Misc :
MS Integration Params: Rteint.p
Quant Time: Mar 2 8:00 2005

Vial: 11
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: 8270_022505.

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Feb 28 14:16:48 2005
Response via : Initial Calibration



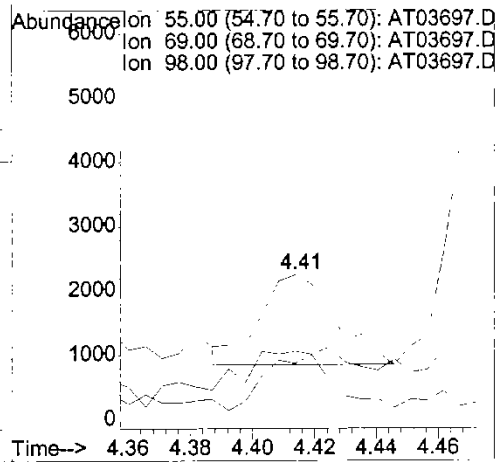
00377

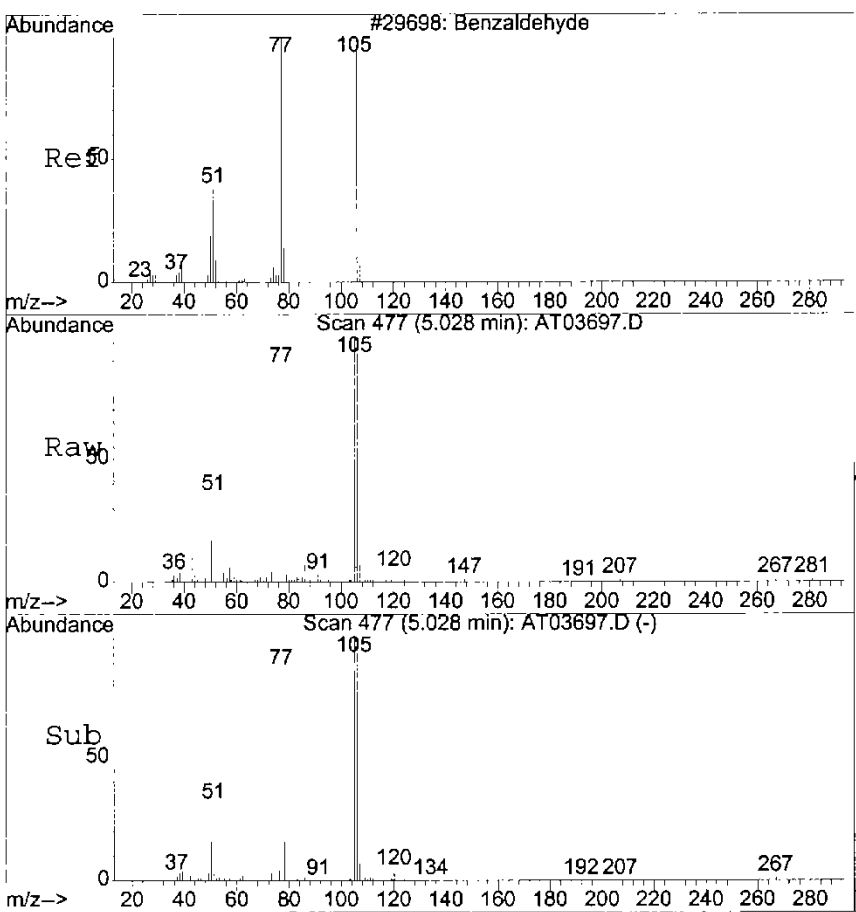


#5
Cyclohexanone
Concen: 12.96 ul/L
RT: 4.41 min Scan# 362
Delta R.T. -0.06 min
Lab File: AT03697.D
Acq: 1 Mar 2005 12:04 pm

Tgt Ion: 55 Resp: 2322

Ion	Ratio	Lower	Upper
55	100		
69	28.8	4.6	64.6
98	49.3	24.8	84.8

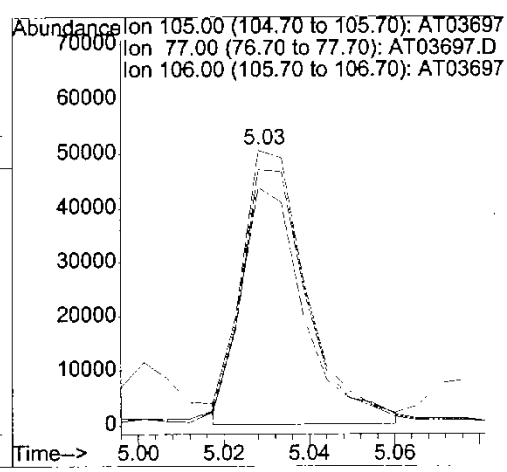




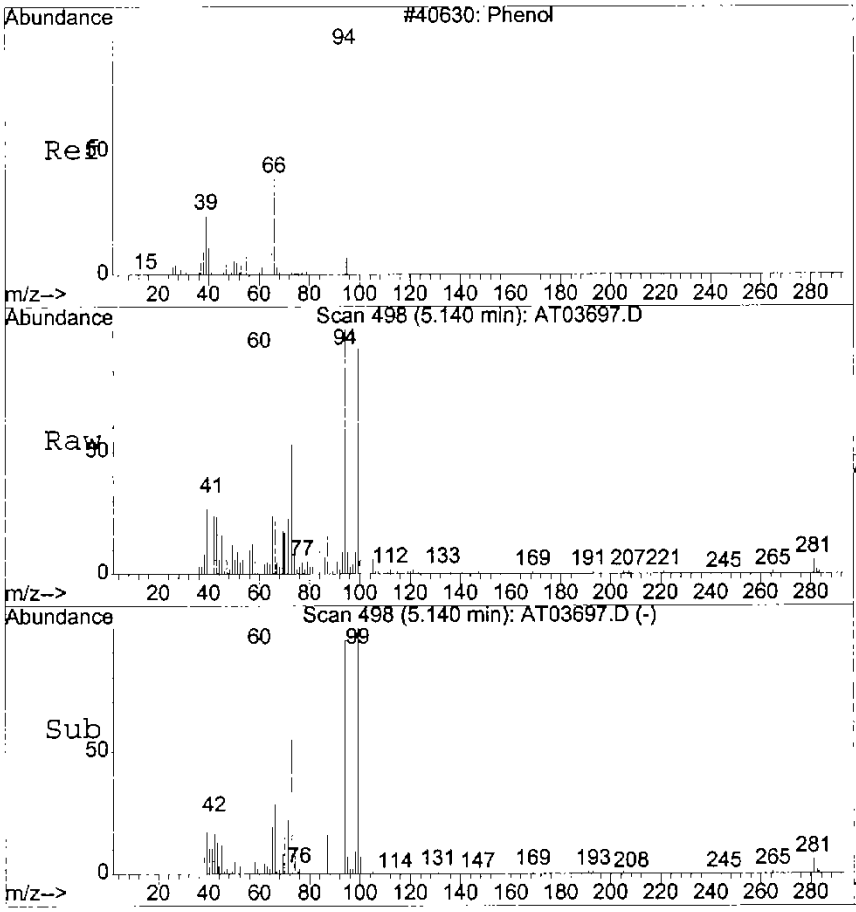
#6
Benzaldehyde
Concen: 259.06 ul/L
RT: 5.03 min Scan# 477
Delta R.T. -0.03 min
Lab File: AT03697.D
Acq: 1 Mar 2005 12:04 pm

Tgt Ion:105 Resp: 53567

Ion	Ratio	Lower	Upper
105	100		
77	89.7	63.9	123.9
106	99.8	72.0	132.0



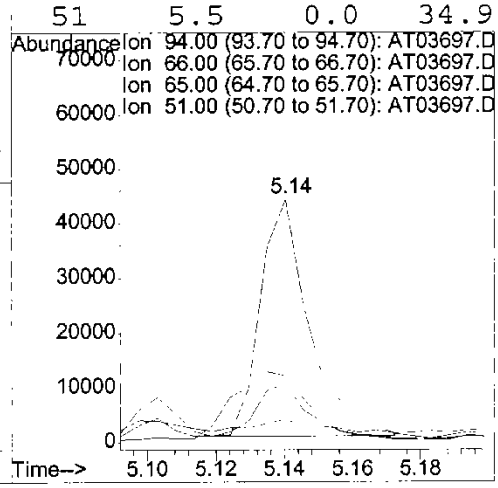
00378

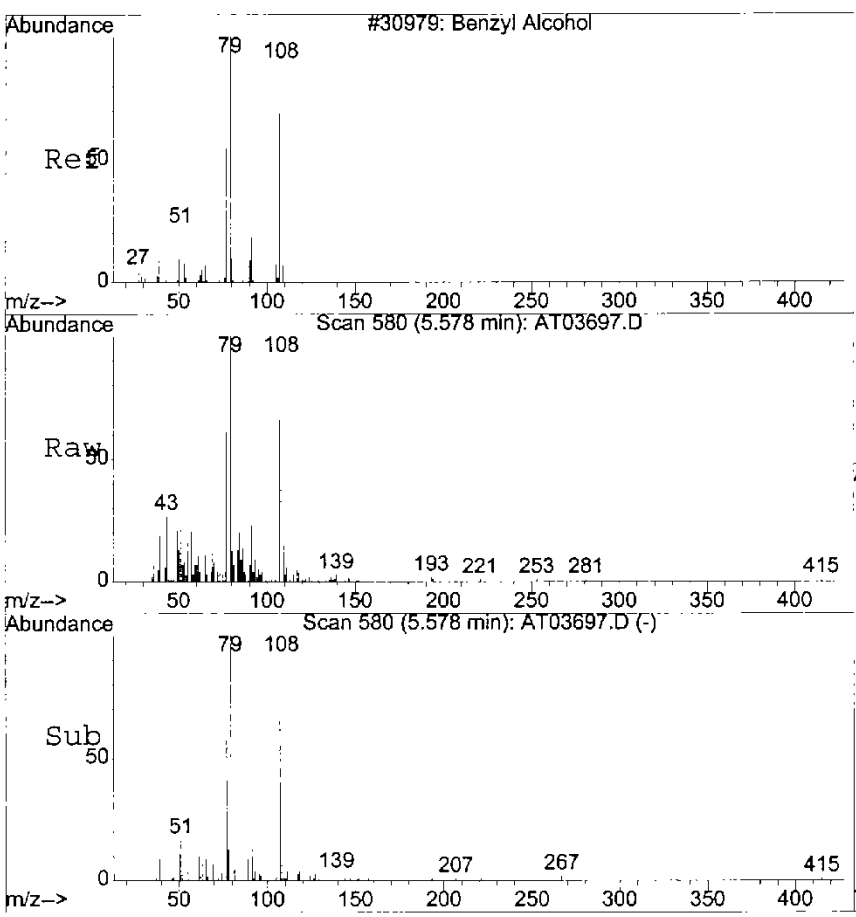


#9
Phenol
Concen: 156.59 ug/L
RT: 5.14 min Scan# 498
Delta R.T. -0.01 min
Lab File: AT03697.D
Acq: 1 Mar 2005 12:04 pm

Tgt Ion: 94 Resp: 42972

Ion	Ratio	Lower	Upper
94	100		
66	24.0	14.1	74.1
65	23.0	1.3	61.3
51	5.5	0.0	34.9

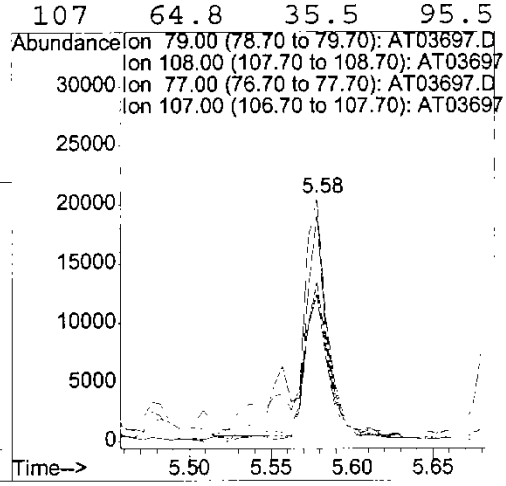




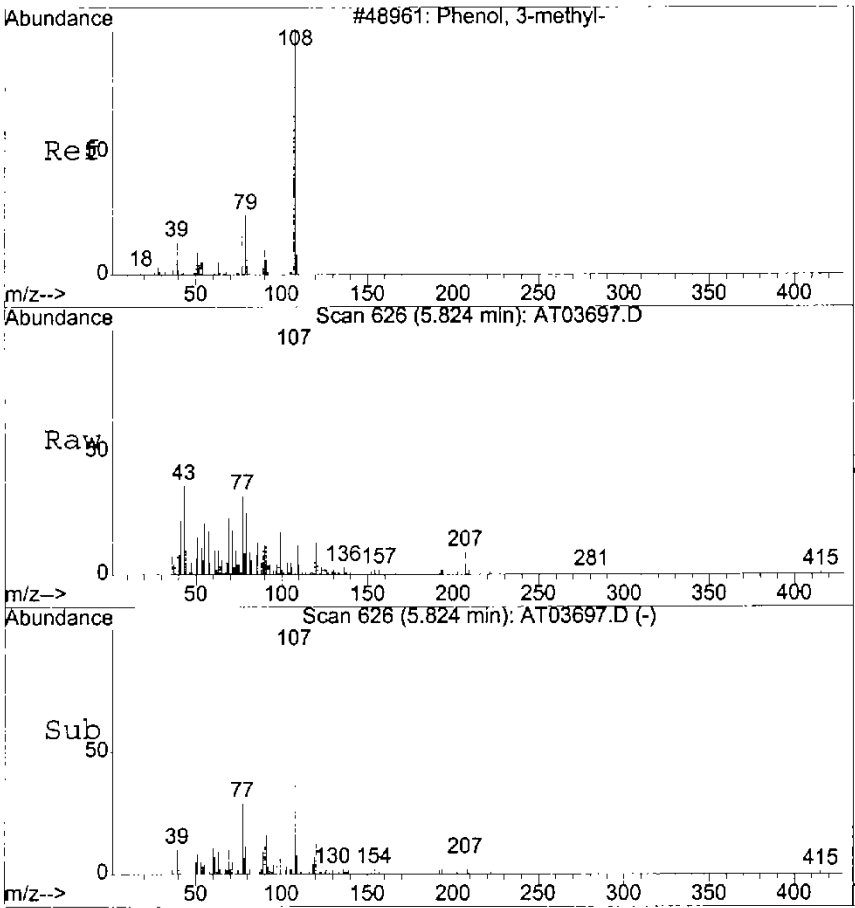
#15
Benzyl alcohol
Concen: 169.16 ug/L
RT: 5.58 min Scan# 580
Delta R.T. 0.01 min
Lab File: AT03697.D
Acq: 1 Mar 2005 12:04 pm

Tgt Ion: 79 Resp: 25153

Ion	Ratio	Lower	Upper
79	100		
108	95.4	62.2	122.2
77	57.3	29.8	89.8
107	64.8	35.5	95.5



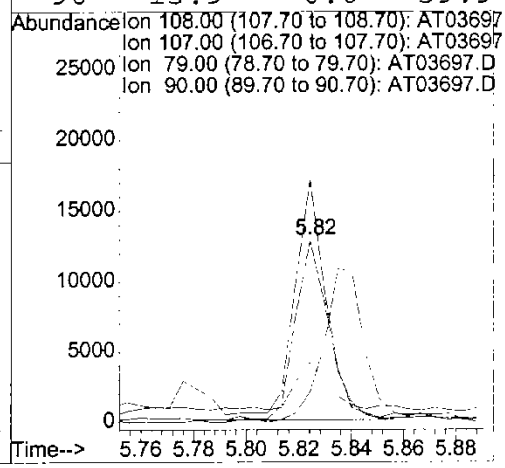
00379

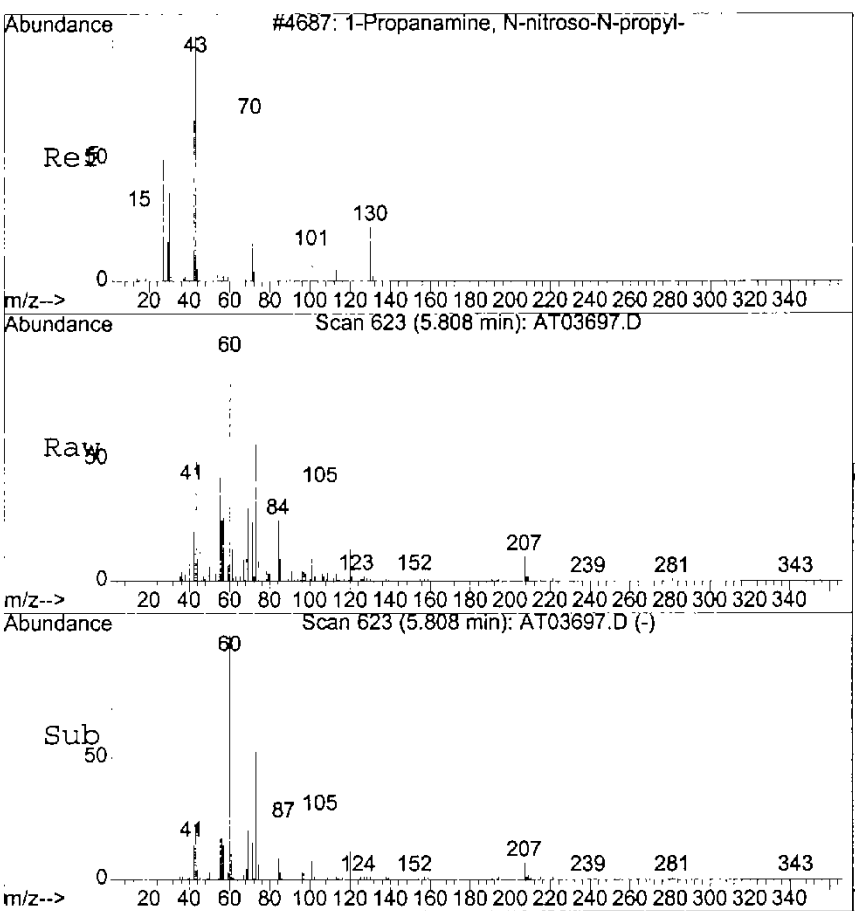


#19
3-&4-Methylphenol
Concen: 75.32 ug/L
RT: 5.82 min Scan# 626
Delta R.T. 0.02 min
Lab File: AT03697.D
Acq: 1 Mar 2005 12:04 pm

Tgt Ion:108 Resp: 11348

Ion	Ratio	Lower	Upper
108	100		
107	126.5	75.6	135.6
79	25.5	0.0	55.6
90	13.9	0.0	39.9

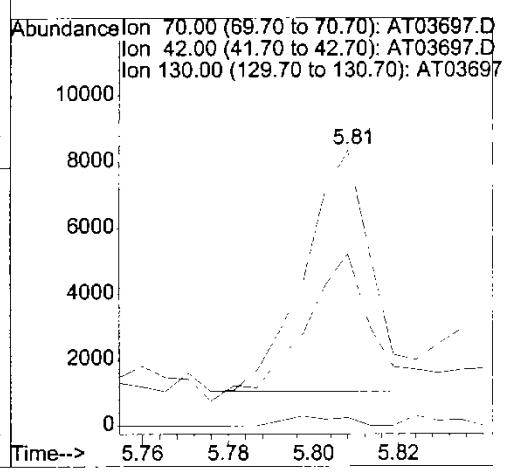


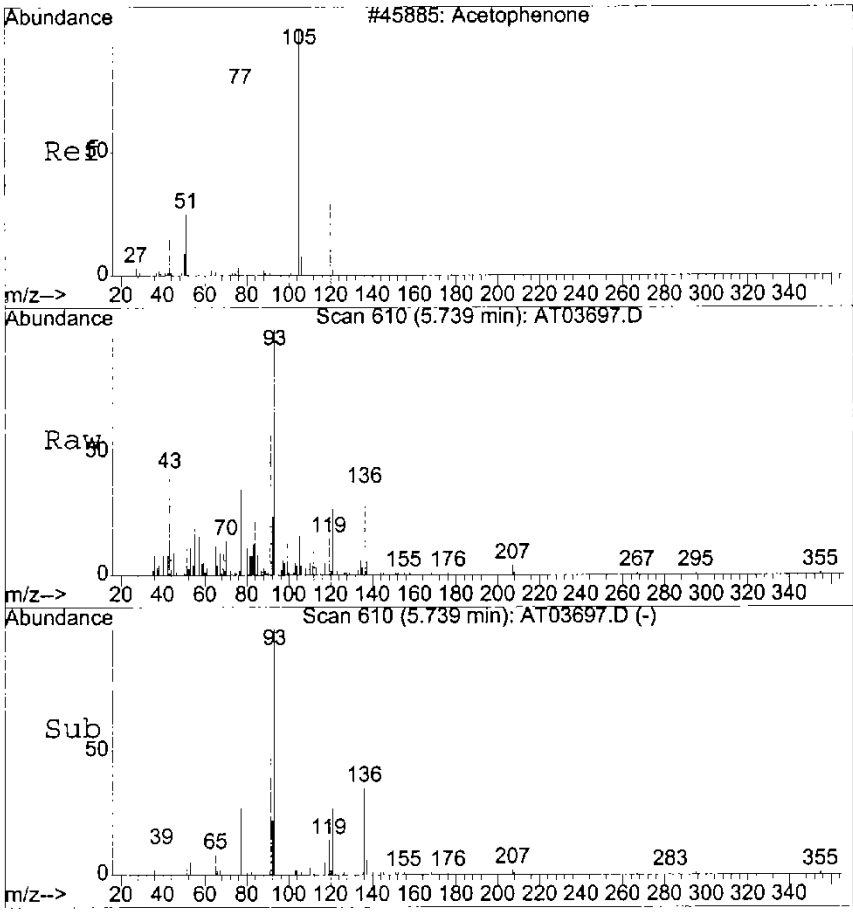


#20
n-Nitroso-di-n-propylamine
Concen: 74.16 ug/L
RT: 5.81 min Scan# 623
Delta R.T. 0.01 min
Lab File: AT03697.D
Acq: 1 Mar 2005 12:04 pm

Tgt Ion: 70 Resp: 7793

Ion	Ratio	Lower	Upper
70	100		
42	58.7	10.3	70.3
130	3.6	3.5	63.5

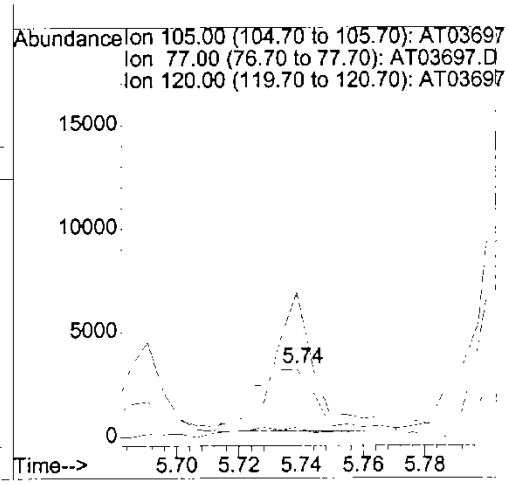


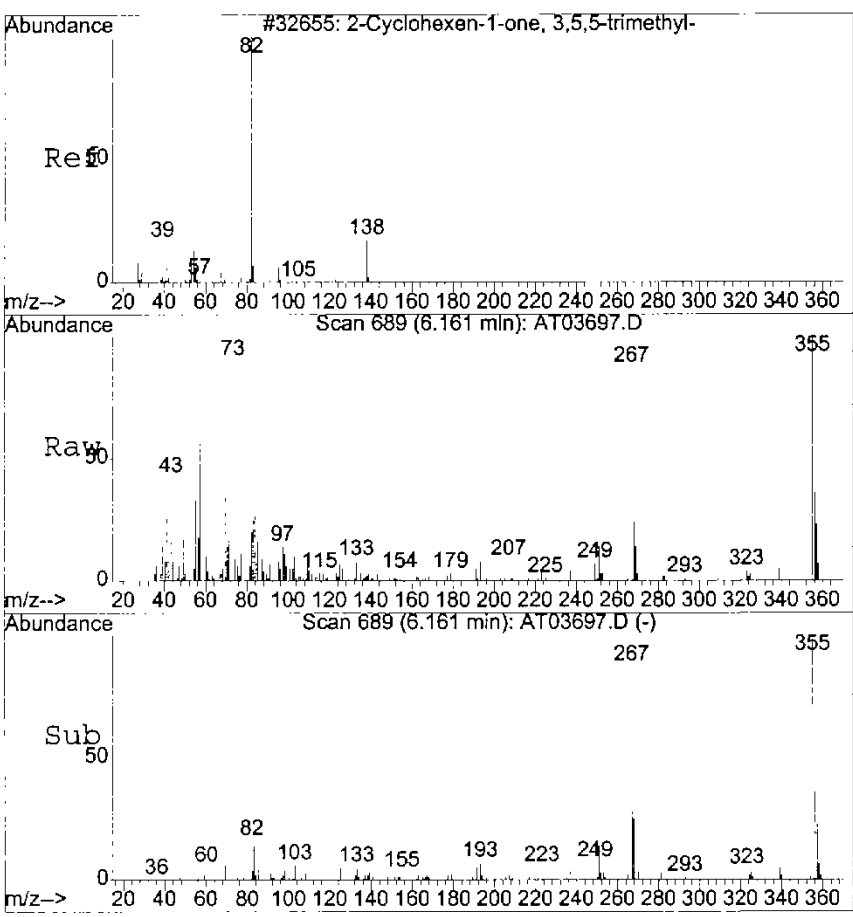


#21
Acetophenone
Concen: 18.72 ul/L
RT: 5.74 min Scan# 610
Delta R.T. -0.05 min
Lab File: AT03697.D
Acq: 1 Mar 2005 12:04 pm

Tgt Ion:105 Resp: 4520

Ion	Ratio	Lower	Upper
105	100		
77	121.9	78.1	138.1
120	20.5	0.5	60.5

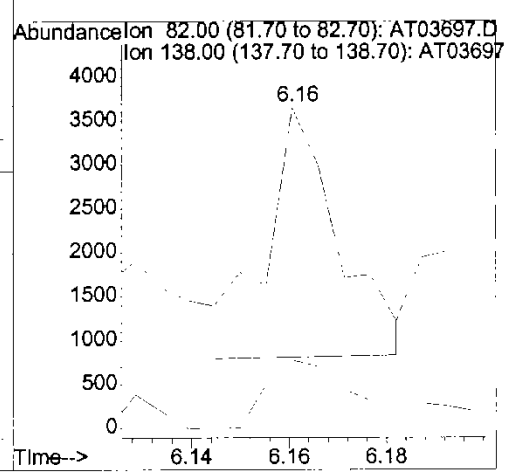




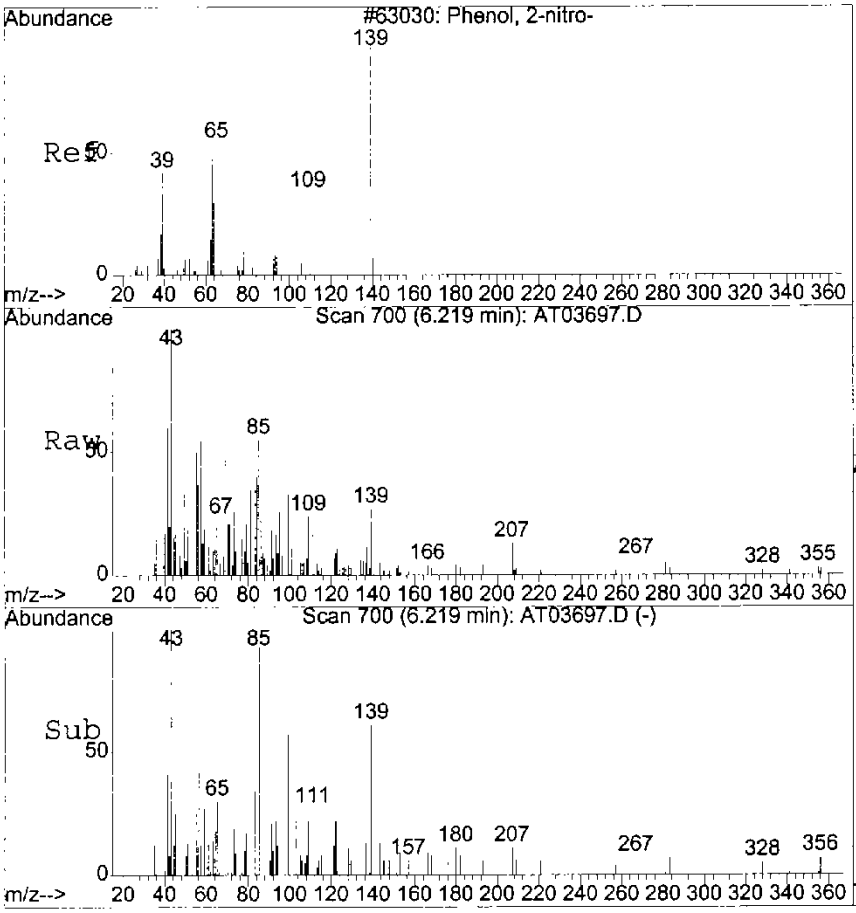
#26
Isophorone
Concen: 6.61 ug/L
RT: 6.16 min Scan# 689
Delta R.T. -0.01 min
Lab File: AT03697.D
Acq: 1 Mar 2005 12:04 pm

Tgt Ion: 82 Resp: 2897

Ion	Ratio	Lower	Upper
82	100		
138	33.2	0.0	51.7



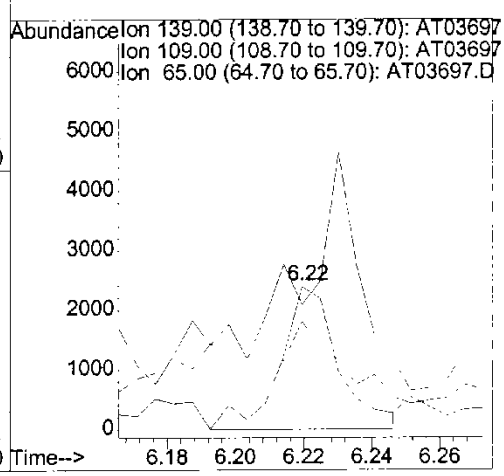
00381

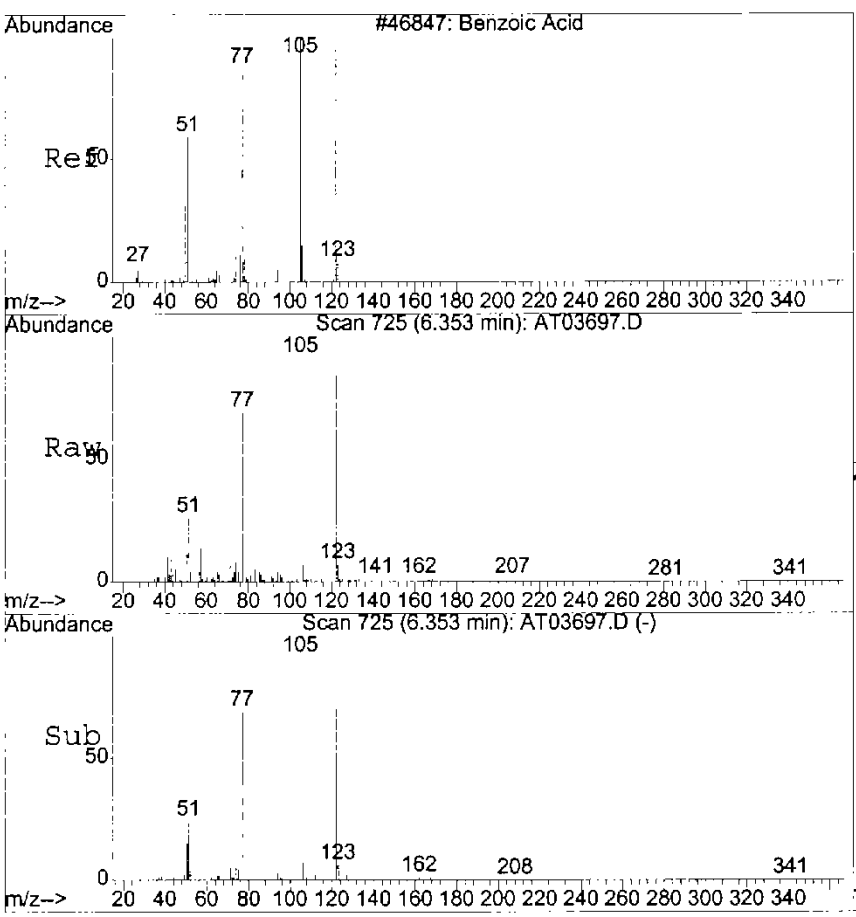


#27
2-Nitrophenol
Concen: 23.44 ug/L
RT: 6.22 min Scan# 700
Delta R.T. -0.01 min
Lab File: AT03697.D
Acq: 1 Mar 2005 12:04 pm

Tgt Ion:139 Resp: 2844

Ion	Ratio	Lower	Upper
139	100		
109	34.9	0.0	49.5
65	36.2	4.3	64.3

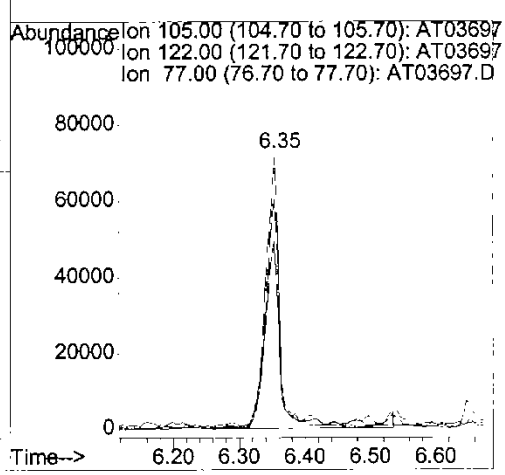




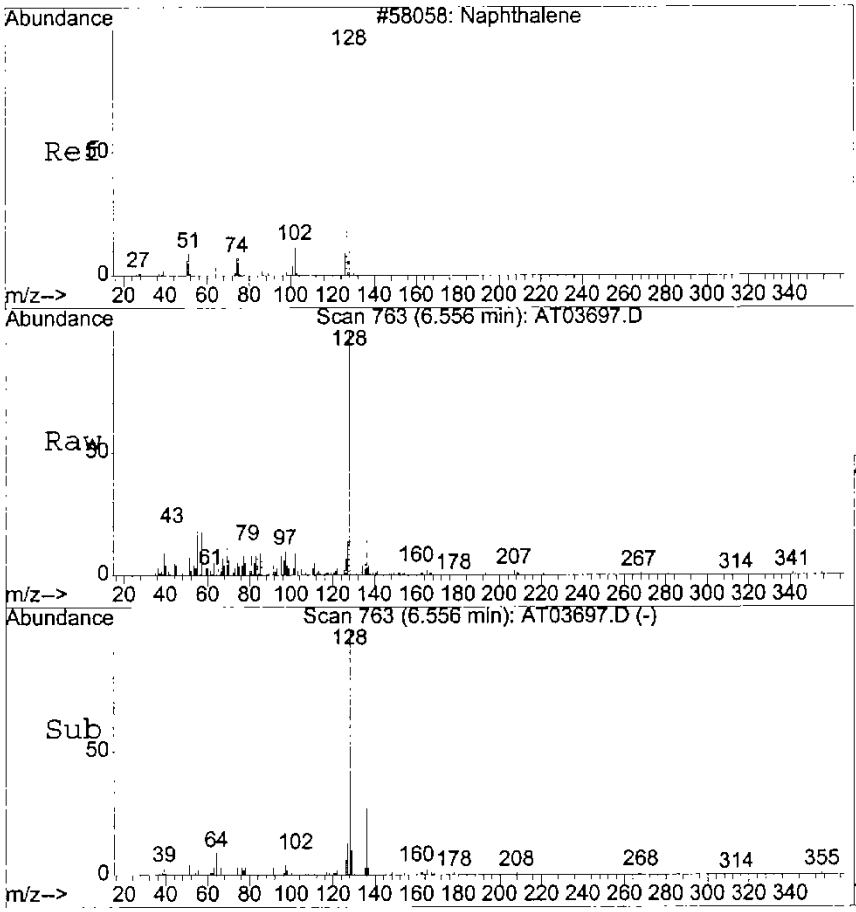
#30
Benzoic Acid
Concen: 1311.47 ug/L
RT: 6.35 min Scan# 725
Delta R.T. -0.03 min
Lab File: AT03697.D
Acq: 1 Mar 2005 12:04 pm

Tgt Ion:105 Resp: 115453

Ion	Ratio	Lower	Upper
105	100		
122	85.6	58.0	118.0
77	67.6	34.2	94.2



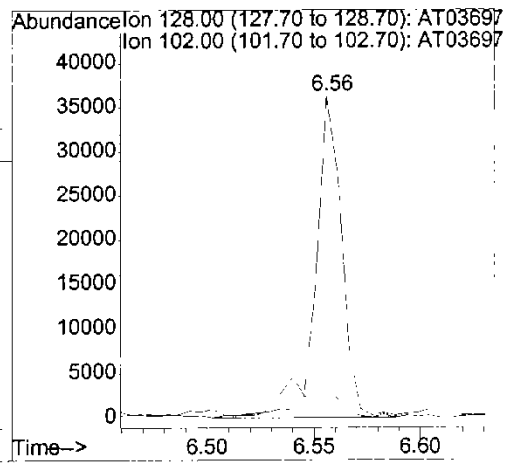
00382

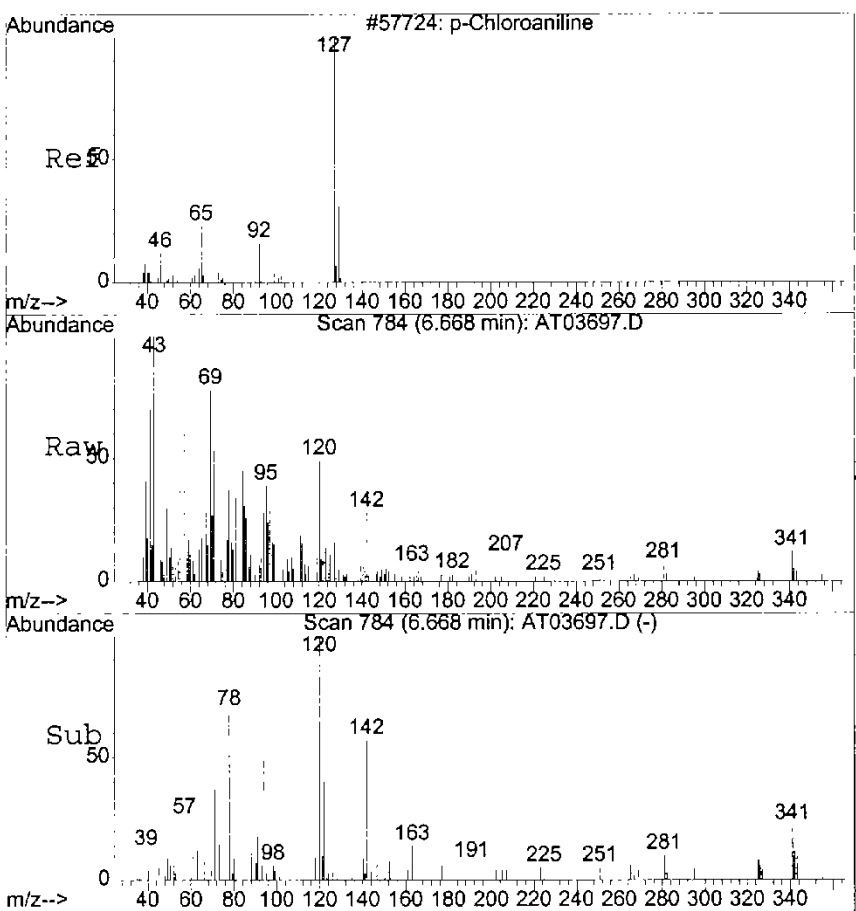


#33
Naphthalene
Concen: 36.69 ug/L
RT: 6.56 min Scan# 763
Delta R.T. -0.00 min
Lab File: AT03697.D
Acq: 1 Mar 2005 12:04 pm

Tgt Ion:128 Resp: 30096

Ion	Ratio	Lower	Upper
128	100		
102	7.5	0.0	37.8

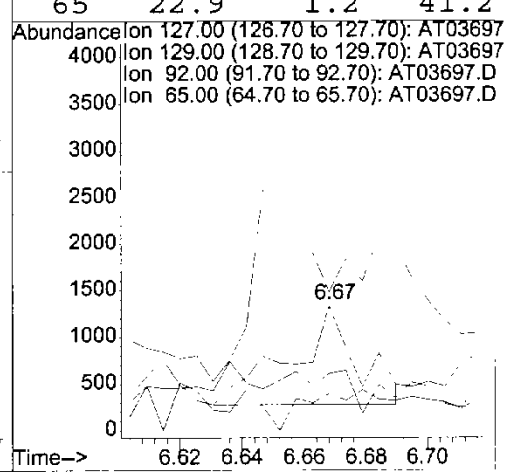




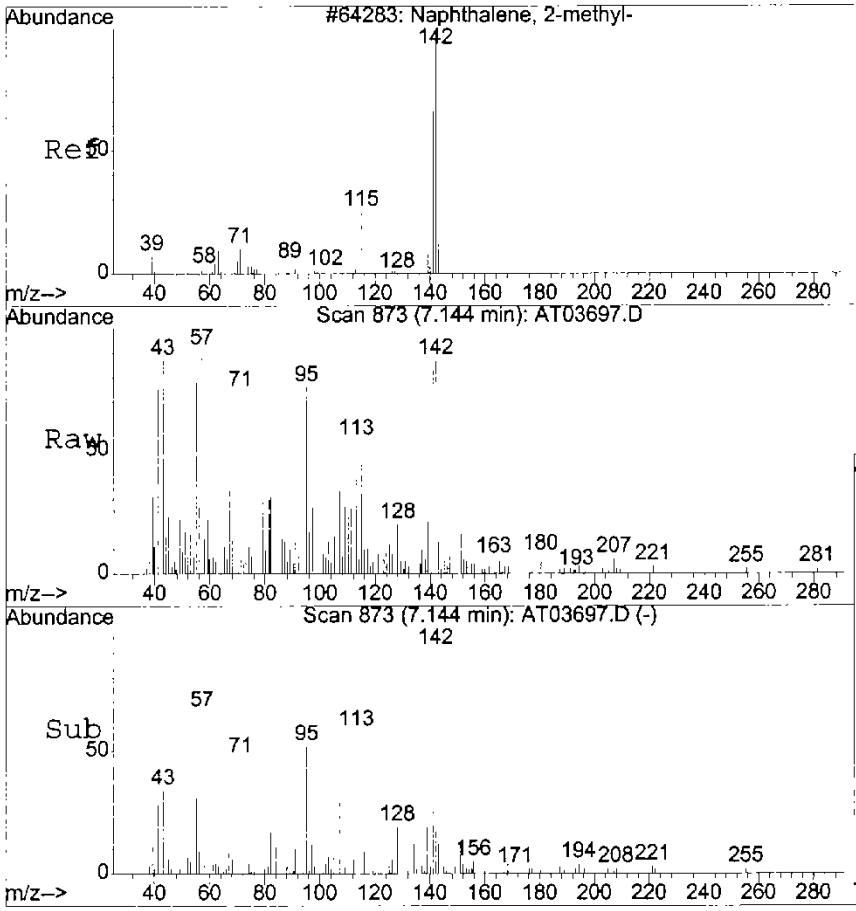
#34
4-Chloroaniline
Concen: 9.92 ug/L
RT: 6.67 min Scan# 784
Delta R.T. 0.05 min
Lab File: AT03697.D
Acq: 1 Mar 2005 12:04 pm

Tgt Ion:127 Resp: 1588

Ion	Ratio	Lower	Upper
127	100		
129	13.2	3.2	63.2
92	23.8	0.0	45.6
65	22.9	1.2	41.2



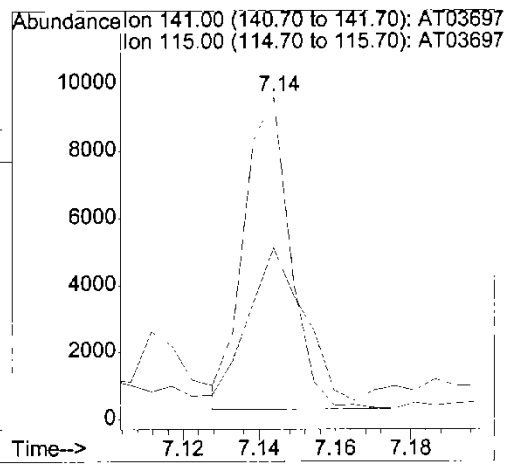
00383

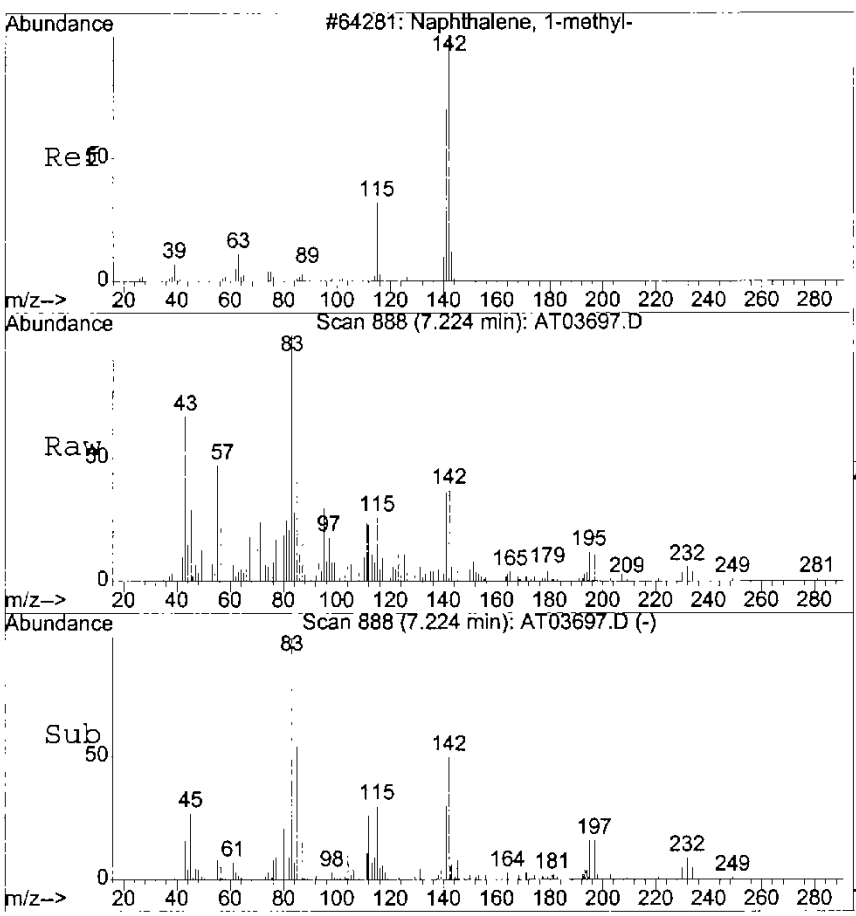


#37
2-Methylnaphthalene
Concen: 18.01 ug/L
RT: 7.14 min Scan# 873
Delta R.T. 0.02 min
Lab File: AT03697.D
Acq: 1 Mar 2005 12:04 pm

Tgt Ion:141 Resp: 7827

Ion	Ratio	Lower	Upper
141	100		
115	48.0	2.2	62.2

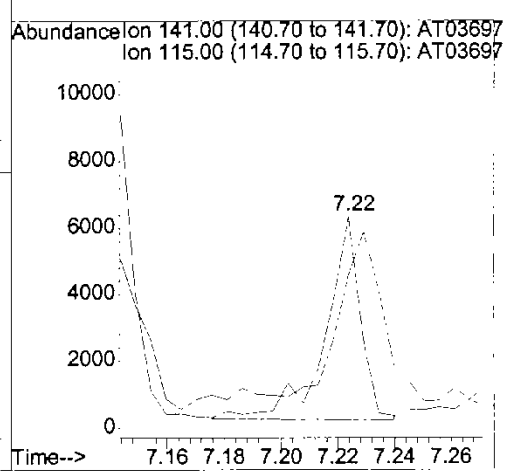


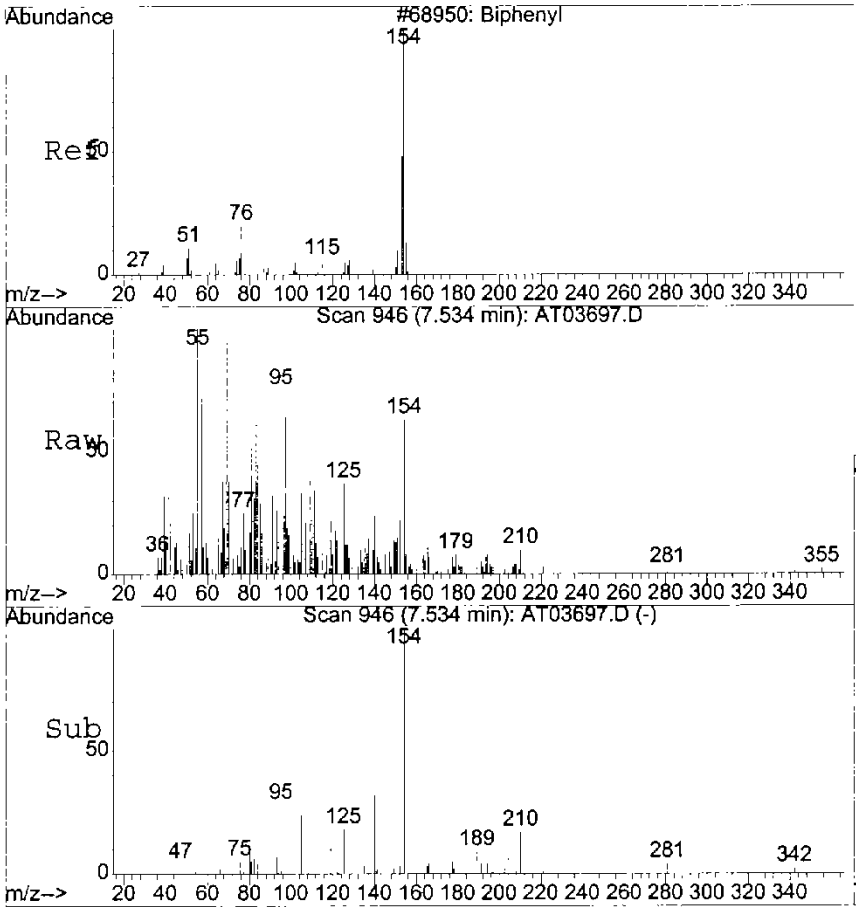


#38
1-Methylnaphthalene
Concen: 11.47 ul/l
RT: 7.22 min Scan# 888
Delta R.T. 0.01 min
Lab File: AT03697.D
Acq: 1 Mar 2005 12:04 pm

Tgt Ion:141 Resp: 5193

Ion	Ratio	Lower	Upper
141	100		
115	52.9	2.6	62.6

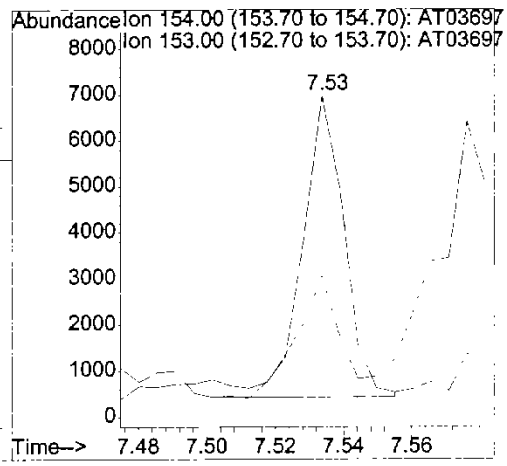


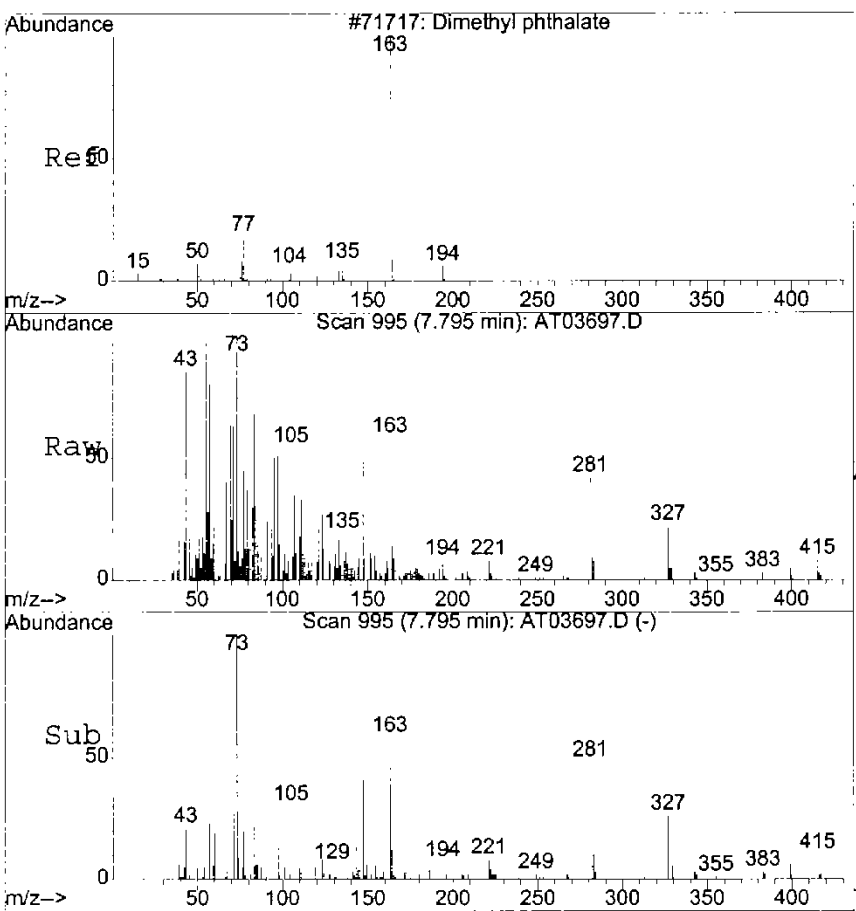


#46
Biphenyl
Concen: 8.81 ul/L
RT: 7.53 min Scan# 946
Delta R.T. -0.01 min
Lab File: AT03697.D
Acq: 1 Mar 2005 12:04 pm

Tgt Ion:154 Resp: 5467

Ion	Ratio	Lower	Upper
154	100		
153	39.5	9.4	69.4

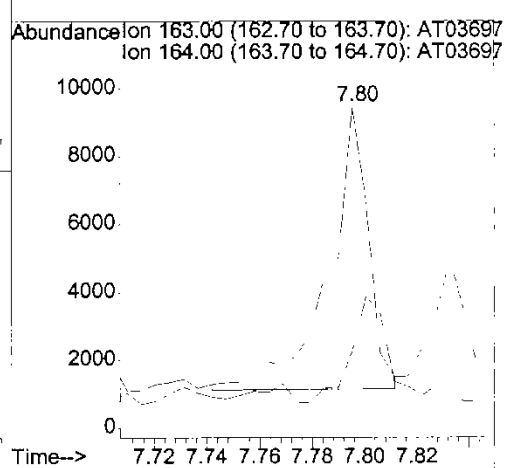


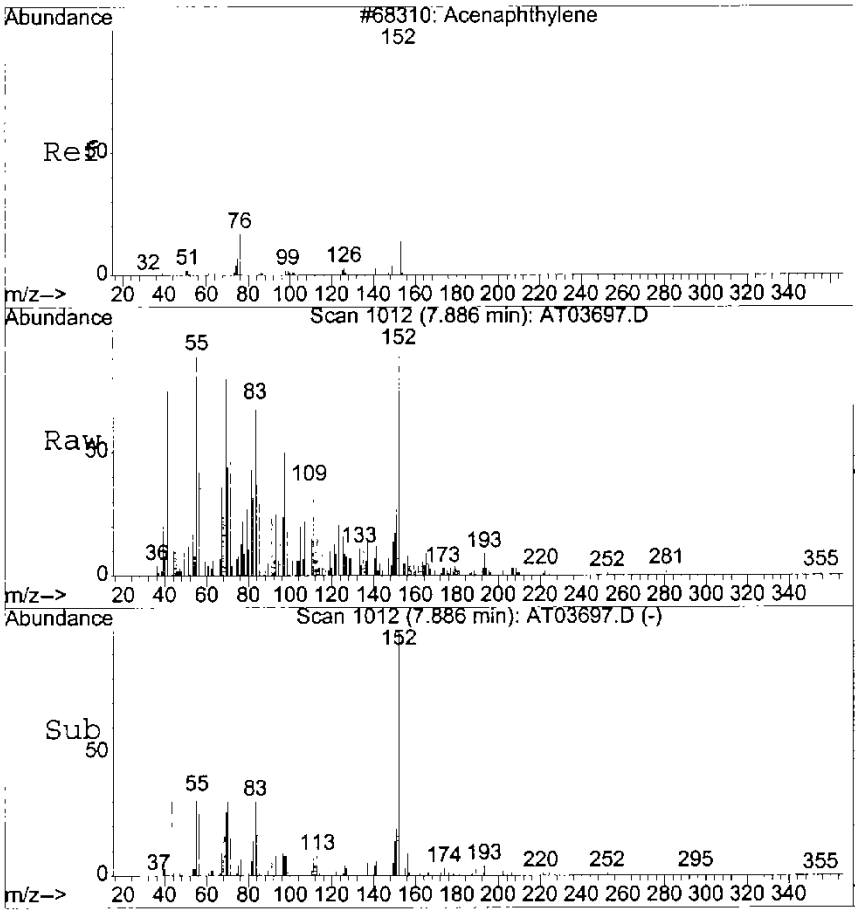


#48
Dimethylphthalate
Concen: 16.98 ug/L
RT: 7.80 min Scan# 995
Delta R.T. 0.00 min
Lab File: AT03697.D
Acq: 1 Mar 2005 12:04 pm

Tgt Ion:163 Resp: 8822

Ion	Ratio	Lower	Upper
163	100		
164	14.1	0.0	40.0

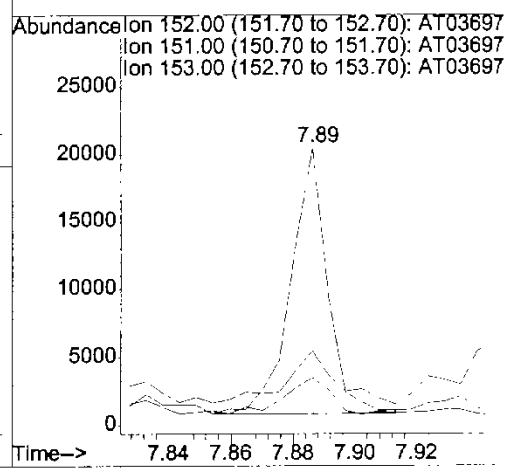


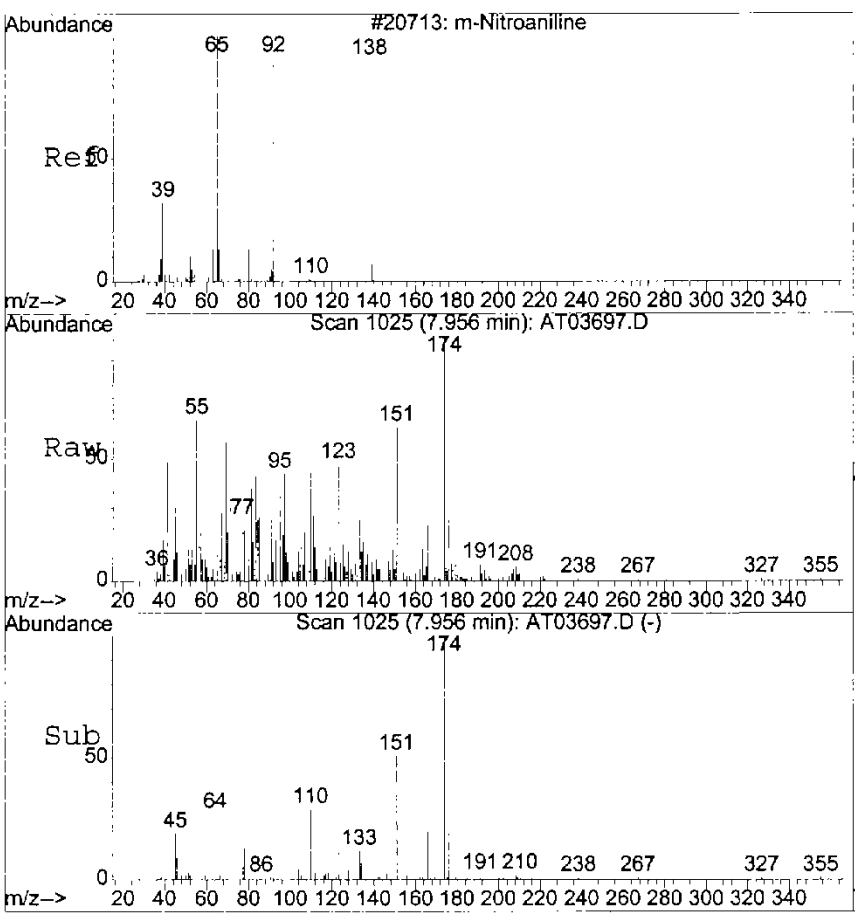


#49
Acenaphthylene
Concen: 20.77 ug/L
RT: 7.89 min Scan# 1012
Delta R.T. -0.00 min
Lab File: AT03697.D
Acq: 1 Mar 2005 12:04 pm

Tgt Ion:152 Resp: 15848

Ion	Ratio	Lower	Upper
152	100		
151	19.9	0.0	49.4
153	12.9	0.0	43.0

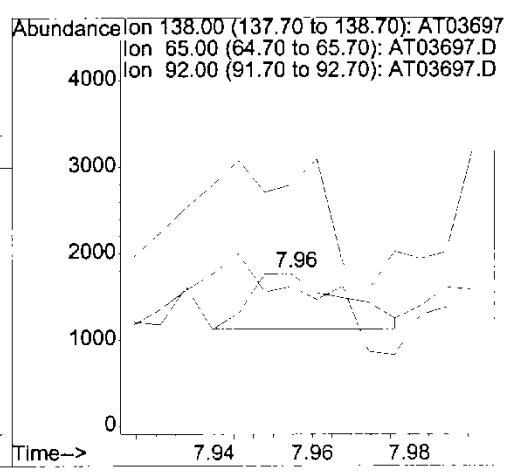


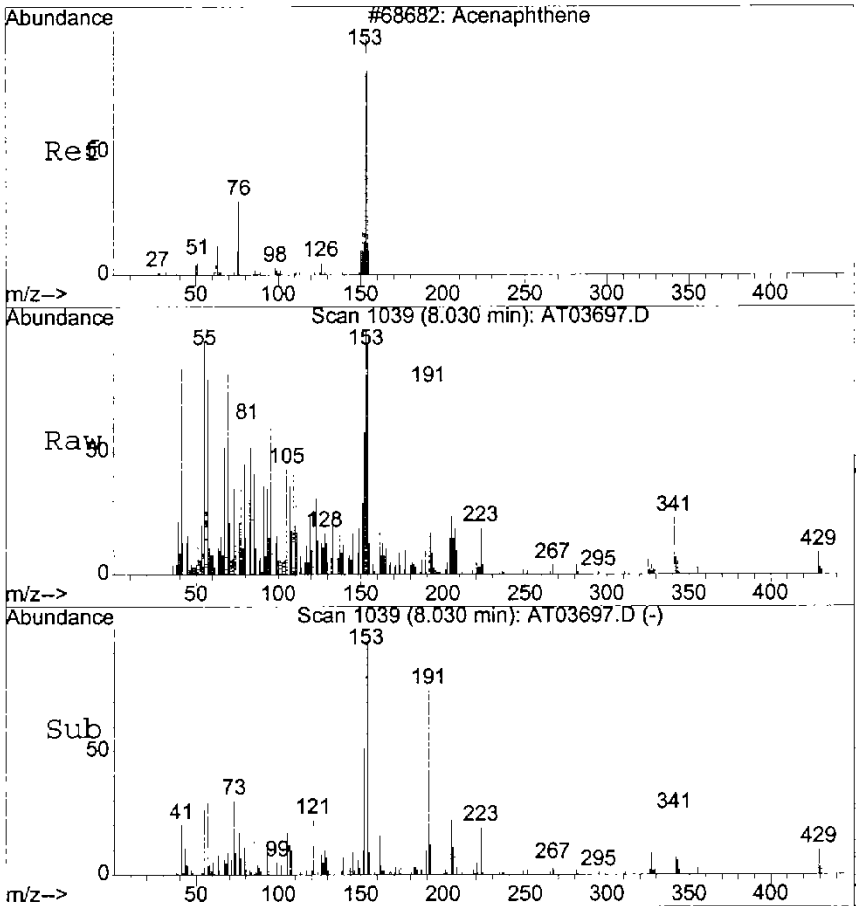


#51
3-Nitroaniline
Concen: Below Cal
RT: 7.96 min Scan# 1025
Delta R.T. -0.02 min
Lab File: AT03697.D
Acq: 1 Mar 2005 12:04 pm

Tgt Ion:138 Resp: 865

Ion	Ratio	Lower	Upper
138	100		
65	66.9	50.7	110.7
92	55.8	53.3	113.3

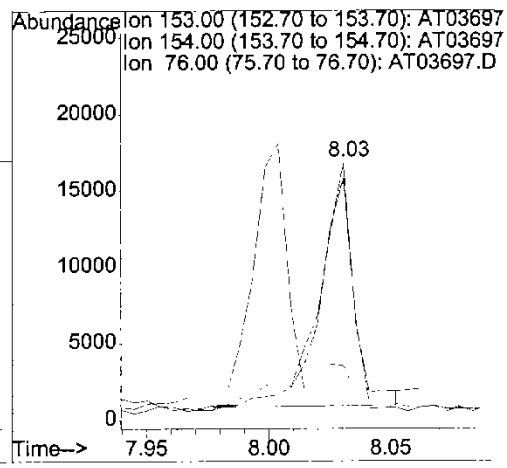


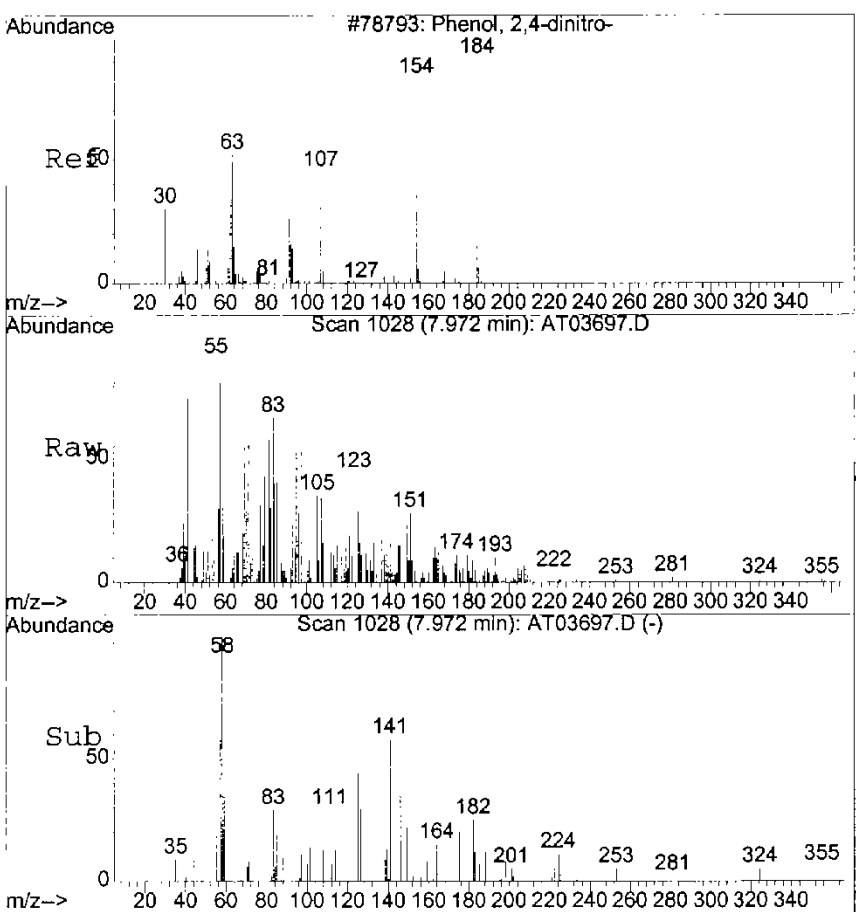


#52
Acenaphthene
Concen: 30.84 ug/L
RT: 8.03 min Scan# 1039
Delta R.T. 0.00 min
Lab File: AT03697.D
Acq: 1 Mar 2005 12:04 pm

Tgt Ion:153 Resp: 15484

Ion	Ratio	Lower	Upper
153	100		
154	97.1	53.5	113.5
76	18.0	0.0	50.2

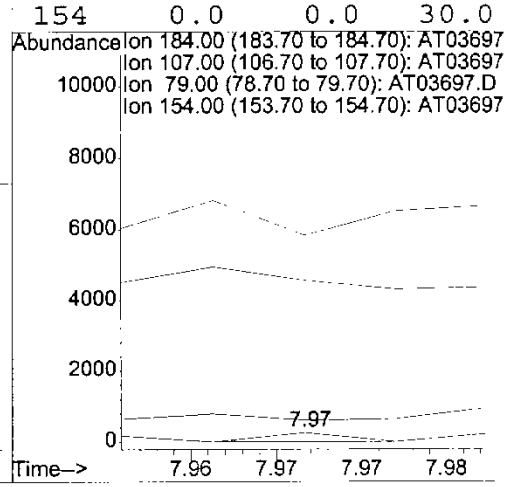


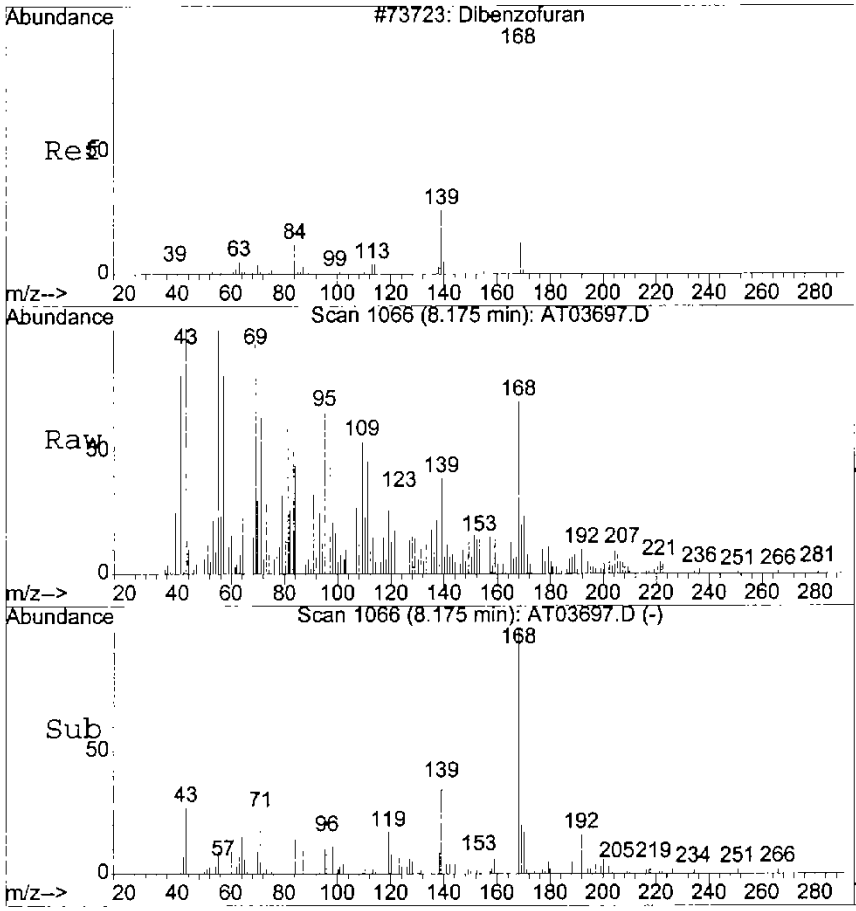


#53
2,4-Dinitrophenol
Concen: 344.65 ug/L
RT: 7.97 min Scan# 1028
Delta R.T. -0.09 min
Lab File: AT03697.D
Acq: 1 Mar 2005 12:04 pm

Tgt Ion:184 Resp: 81

Ion	Ratio	Lower	Upper
184	100		
107	0.0	0.0	58.6
79	0.0	0.0	48.2
154	0.0	0.0	30.0

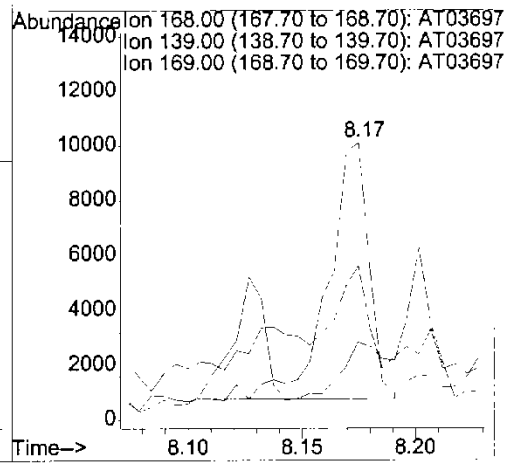


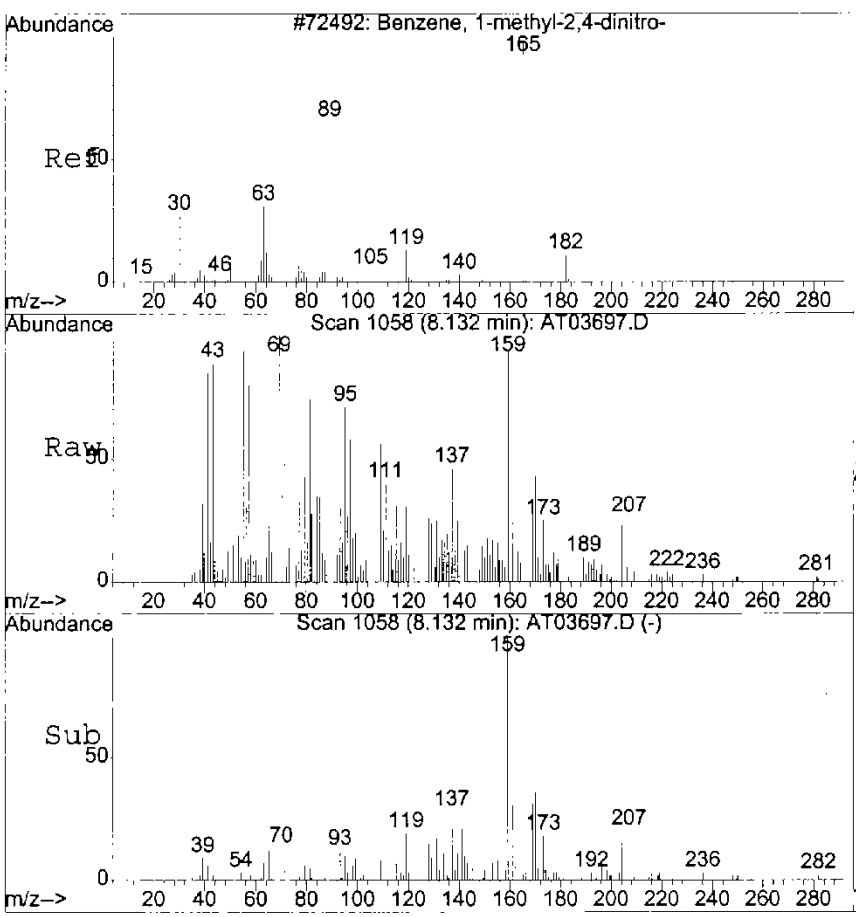


#55
Dibenzofuran
Concen: 17.32 ug/L
RT: 8.17 min Scan# 1066
Delta R.T. 0.00 min
Lab File: AT03697.D
Acq: 1 Mar 2005 12:04 pm

Tgt Ion:168 Resp: 11649

Ion	Ratio	Lower	Upper
168	100		
139	36.9	0.6	60.6
169	9.9	0.0	42.8

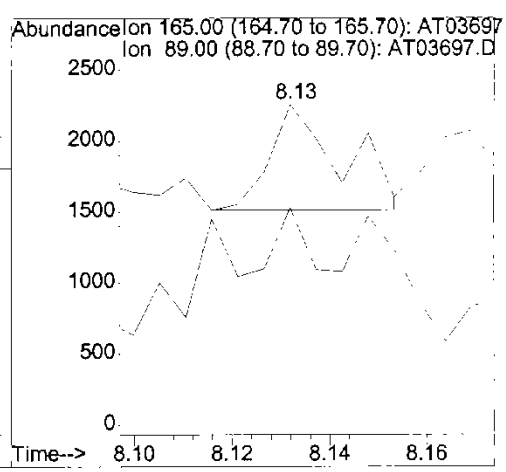


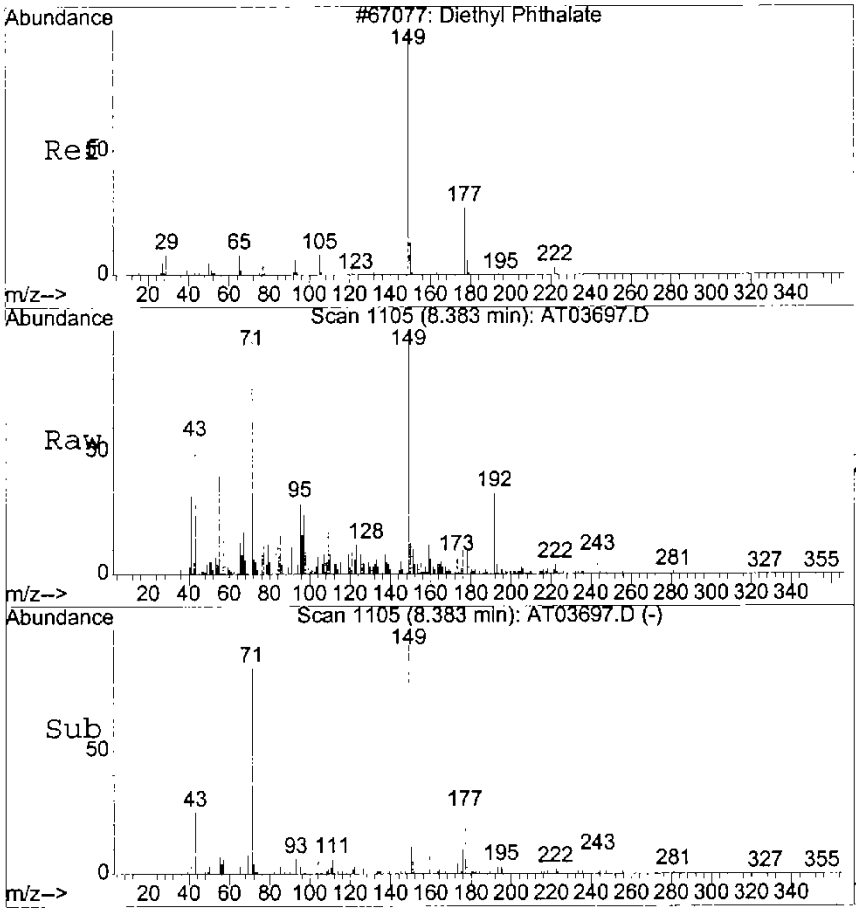


#56
2,4-Dinitrotoluene
Concen: 35.71 ug/L
RT: 8.13 min Scan# 1058
Delta R.T. -0.03 min
Lab File: AT03697.D
Acq: 1 Mar 2005 12:04 pm

Tgt Ion:165 Resp: 757

Ion	Ratio	Lower	Upper
165	100		
89	27.1	22.1	82.1

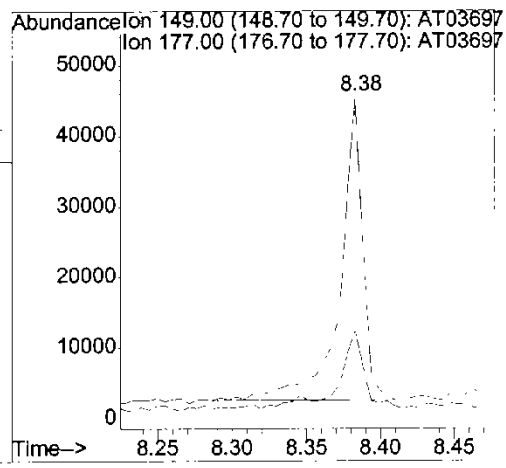


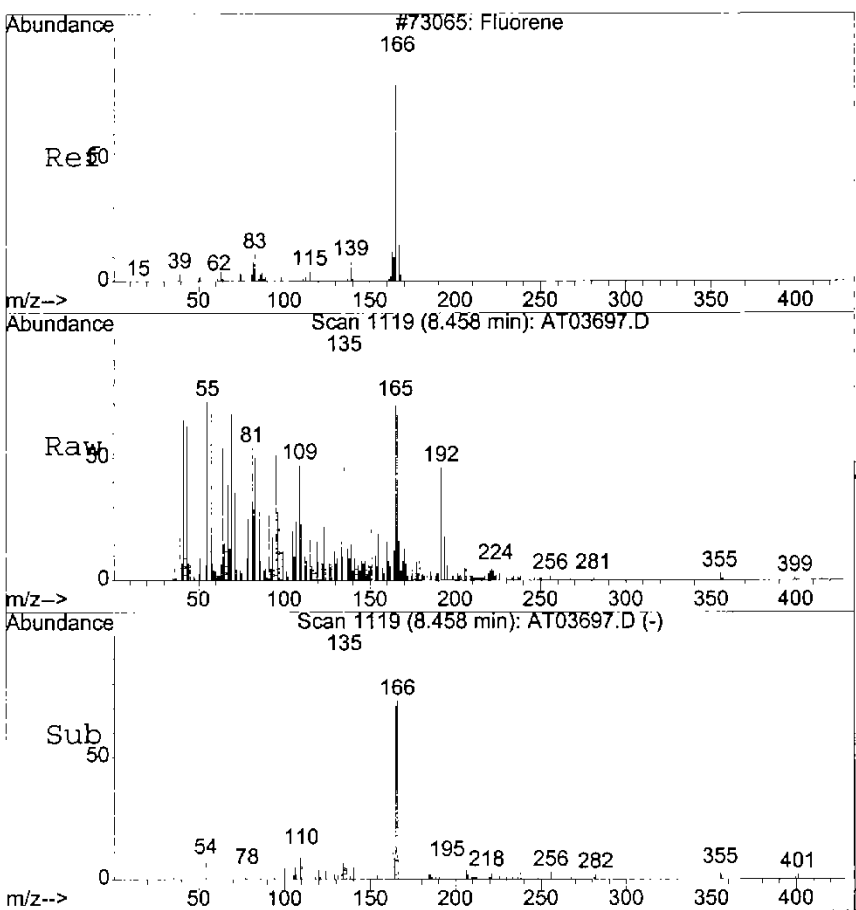


#59
Diethylphthalate
Concen: 83.24 ug/L
RT: 8.38 min Scan# 1105
Delta R.T. 0.01 min
Lab File: AT03697.D
Acq: 1 Mar 2005 12:04 pm

Tgt Ion:149 Resp: 45741

Ion	Ratio	Lower	Upper
149	100		
177	25.3	0.0	53.1

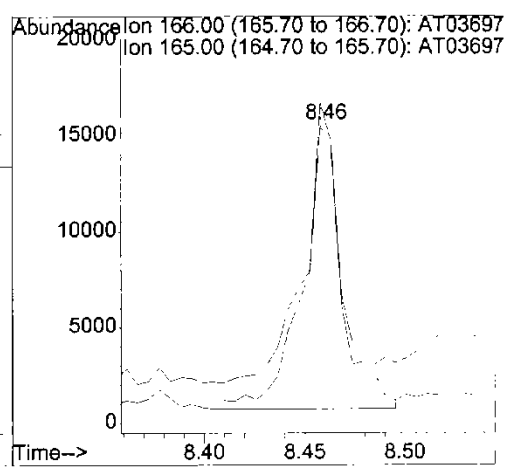


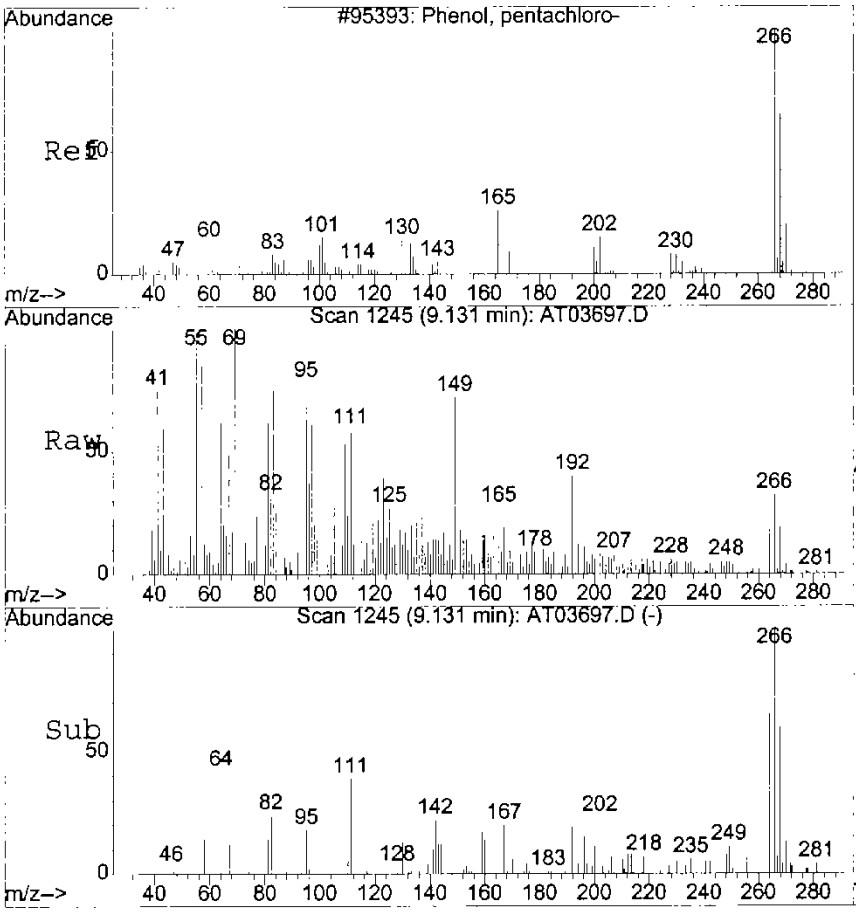


#60
Fluorene
Concen: 38.98 ug/L
RT: 8.46 min Scan# 1119
Delta R.T. -0.00 min
Lab File: AT03697.D
Acq: 1 Mar 2005 12:04 pm

Tgt Ion:166 Resp: 20178

Ion	Ratio	Lower	Upper
166	100		
165	96.6	65.1	125.1

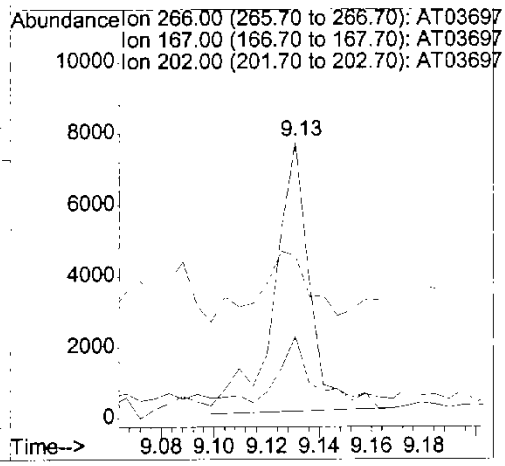


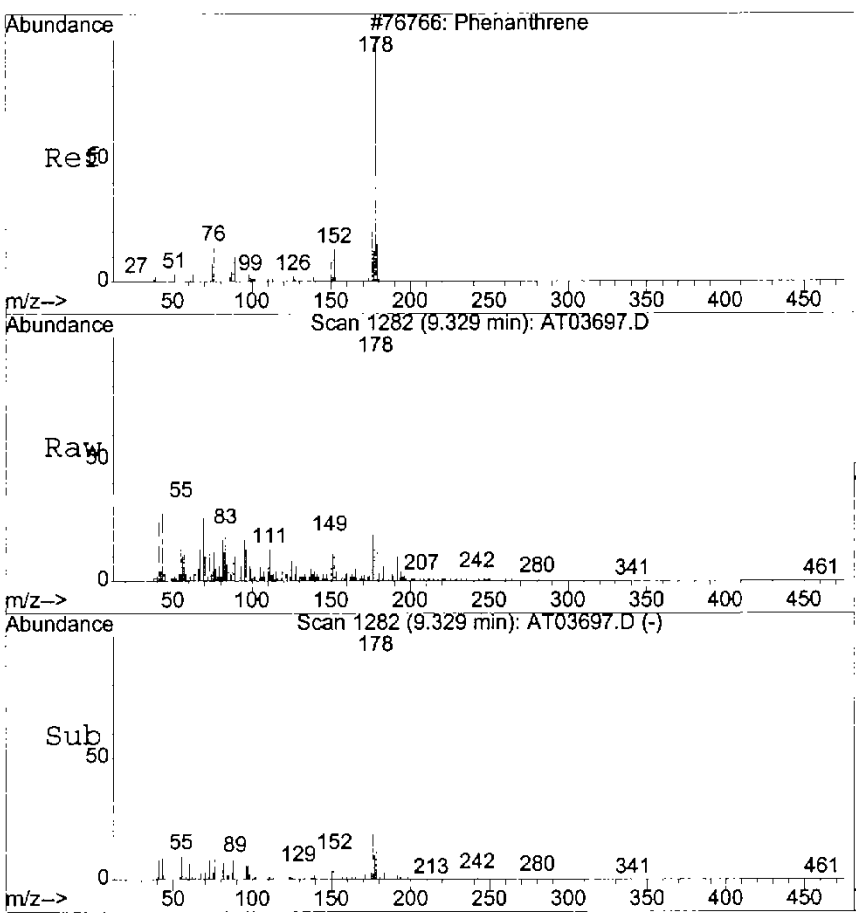


#70
Pentachlorophenol
Concen: 80.20 ug/L
RT: 9.13 min Scan# 1245
Delta R.T. 0.01 min
Lab File: AT03697.D
Acq: 1 Mar 2005 12:04 pm

Tgt Ion:266 Resp: 7273

Ion	Ratio	Lower	Upper
266	100		
167	18.1	2.3	62.3
202	23.5	0.0	49.2

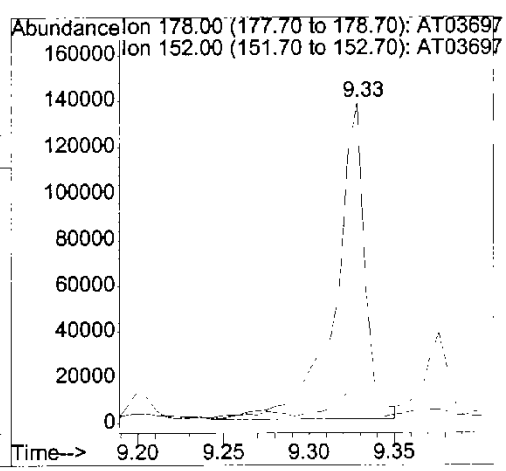


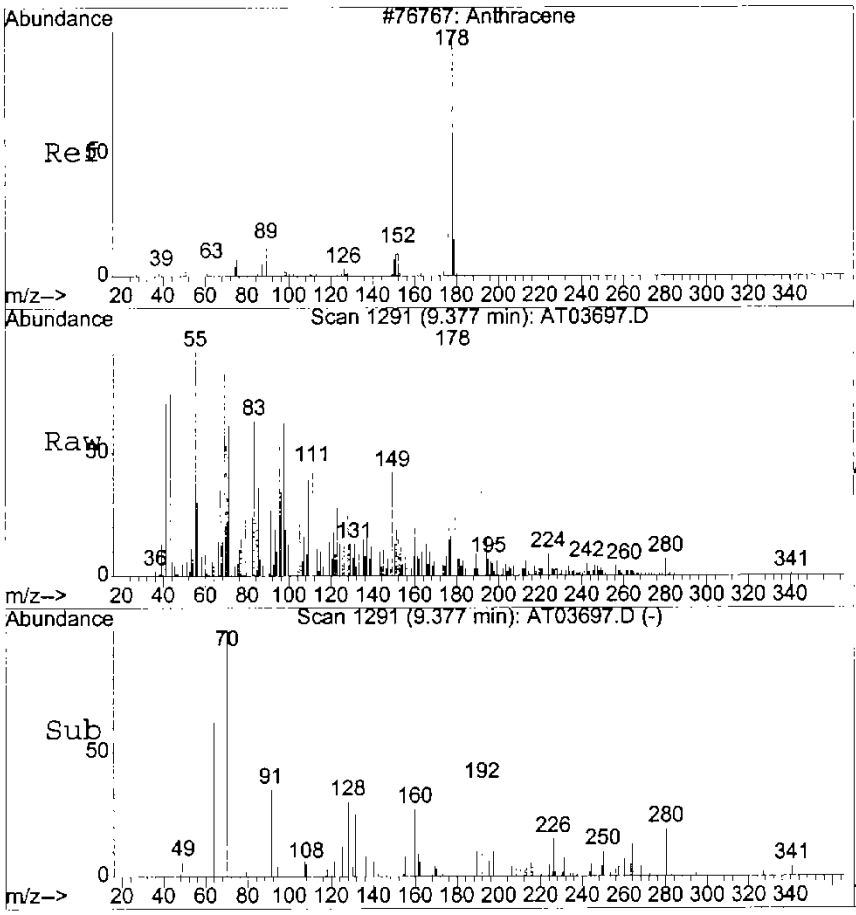


#71
Phenanthrene
Concen: 204.38 ug/L
RT: 9.33 min Scan# 1282
Delta R.T. 0.00 min
Lab File: AT03697.D
Acq: 1 Mar 2005 12:04 pm

Tgt Ion:178 Resp: 167514

Ion	Ratio	Lower	Upper
178	100		
152	9.6	0.0	38.6

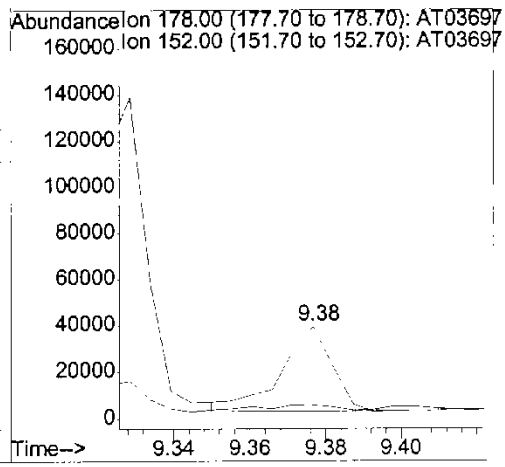


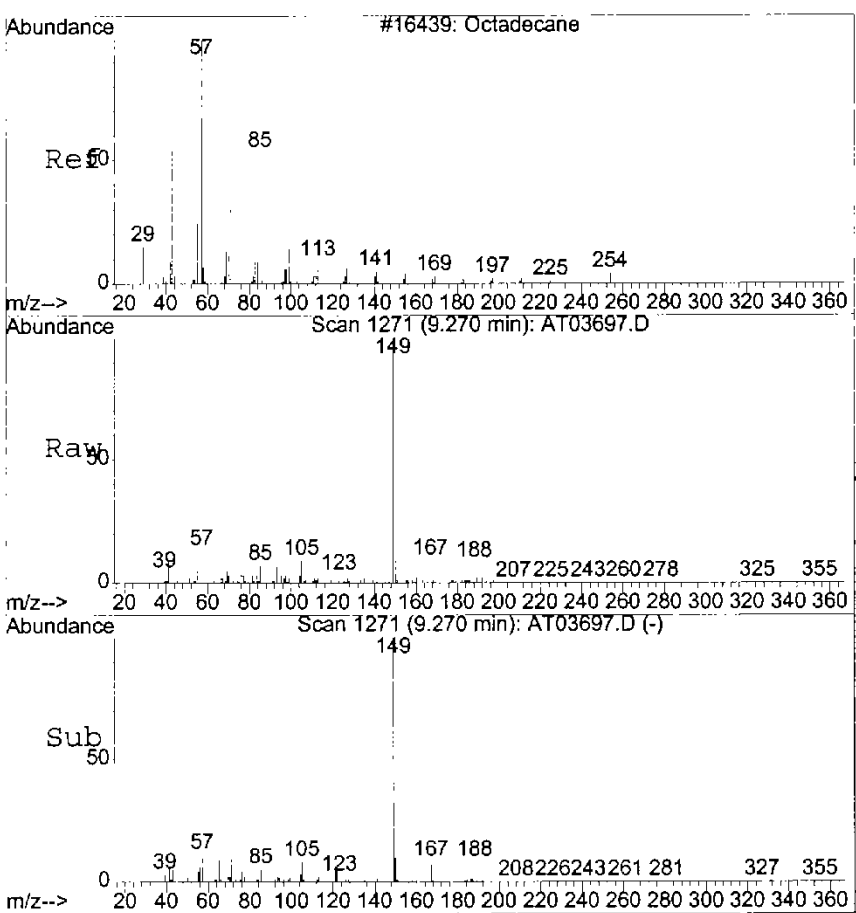


#72
Anthracene
Concen: 44.93 ug/L
RT: 9.38 min Scan# 1291
Delta R.T. 0.00 min
Lab File: AT03697.D
Acq: 1 Mar 2005 12:04 pm

Tgt Ion:178 Resp: 33400

Ion	Ratio	Lower	Upper
178	100		
152	3.8	0.0	37.1

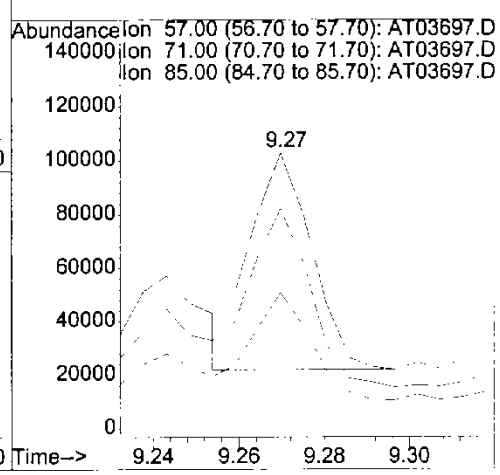


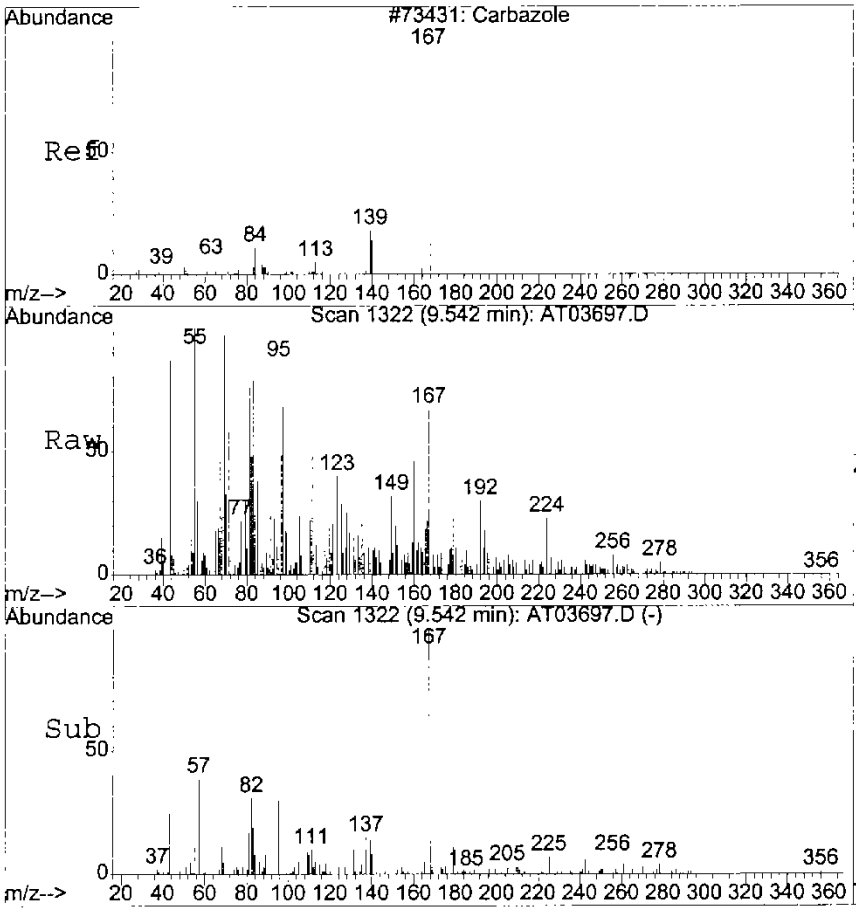


#73
Octadecane
Concen: 345.89 ul/L
RT: 9.27 min Scan# 1271
Delta R.T. 0.03 min
Lab File: AT03697.D
Acq: 1 Mar 2005 12:04 pm

Tgt Ion: 57 Resp: 82270

Ion	Ratio	Lower	Upper
57	100		
71	81.7	51.7	96.1
85	47.9	37.4	69.4

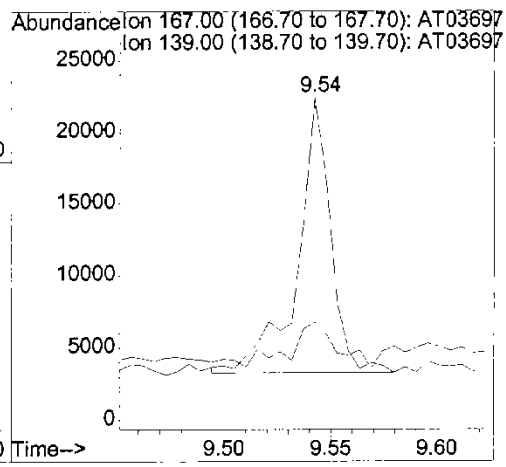


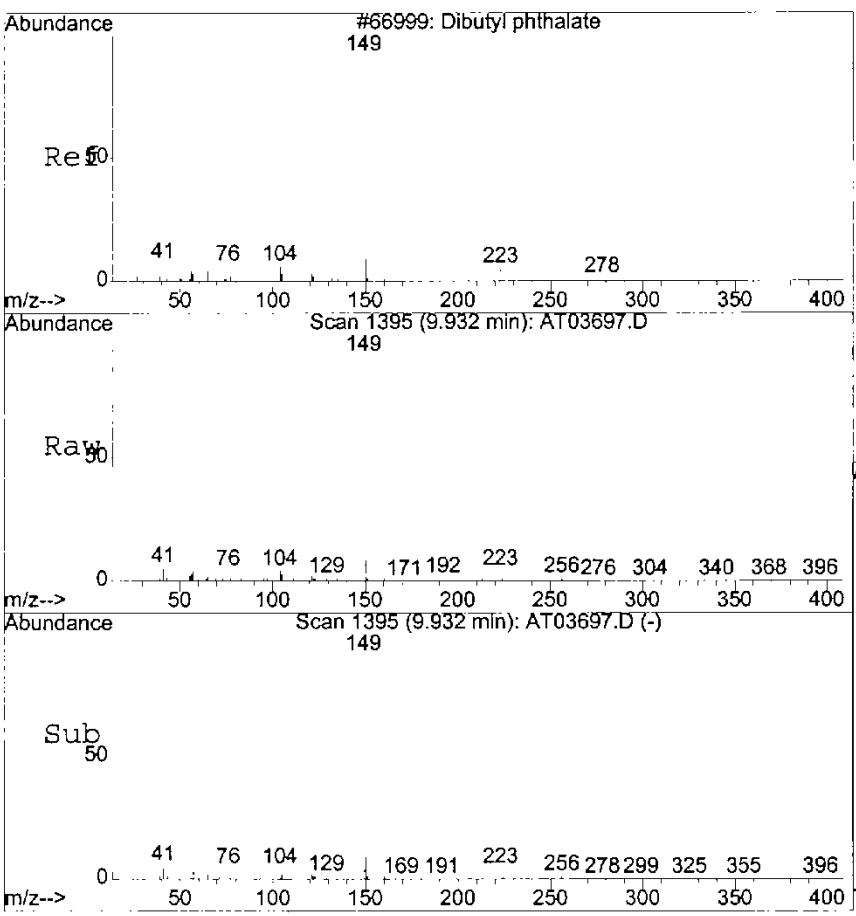


#74
Carbazole
Concen: 40.98 ug/L
RT: 9.54 min Scan# 1322
Delta R.T. 0.00 min
Lab File: AT03697.D
Acq: 1 Mar 2005 12:04 pm

Tgt Ion:167 Resp: 20623

Ion	Ratio	Lower	Upper
167	100		
139	11.5	0.0	42.1

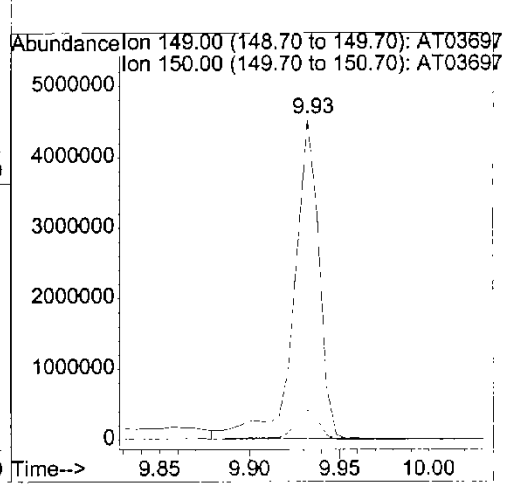


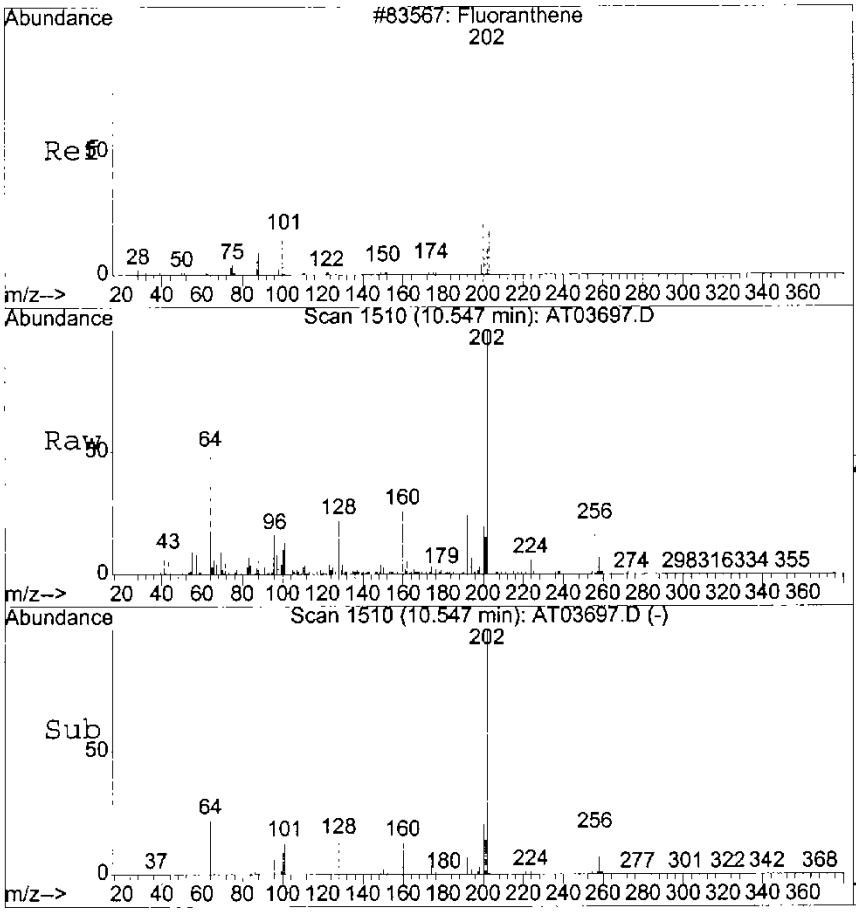


#75
Di-n-butylphthalate
Concen: 4979.46 ug/L
RT: 9.93 min Scan# 1395
Delta R.T. 0.00 min
Lab File: AT03697.D
Acq: 1 Mar 2005 12:04 pm

Tgt Ion:149 Resp: 4386992

Ion	Ratio	Lower	Upper
149	100		
150	9.2	0.0	38.8

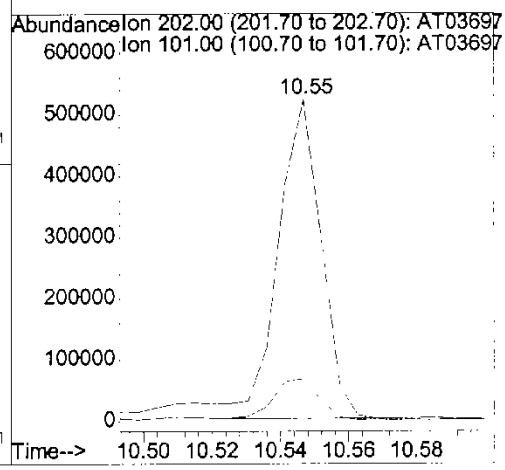


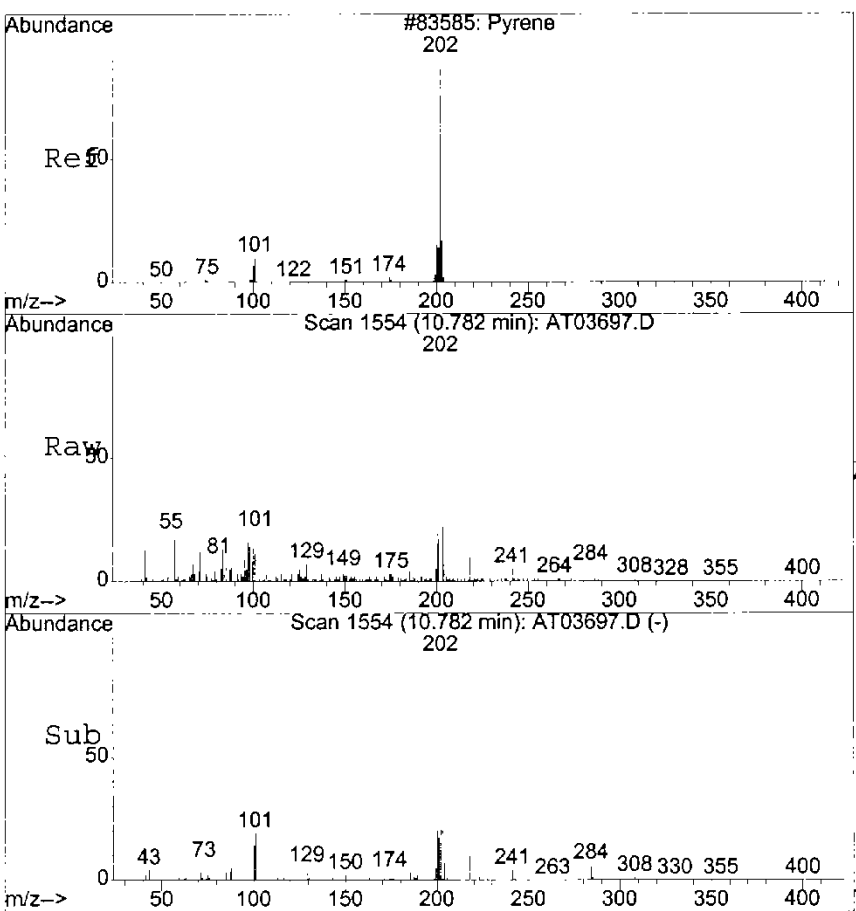


#76
Fluoranthene
Concen: 544.23 ug/L
RT: 10.55 min Scan# 1510
Delta R.T. 0.01 min
Lab File: AT03697.D
Acq: 1 Mar 2005 12:04 pm

Tgt Ion:202 Resp: 455256

Ion	Ratio	Lower	Upper
202	100		
101	12.8	0.0	43.1

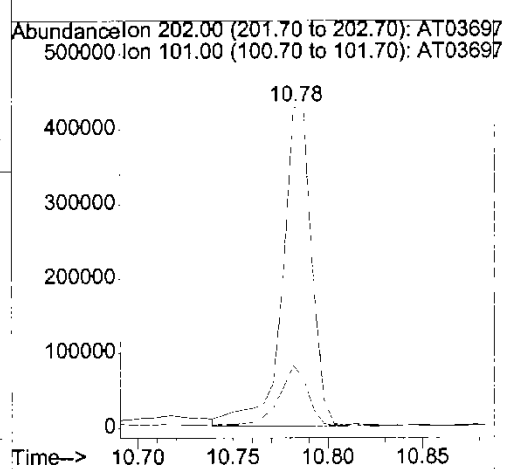


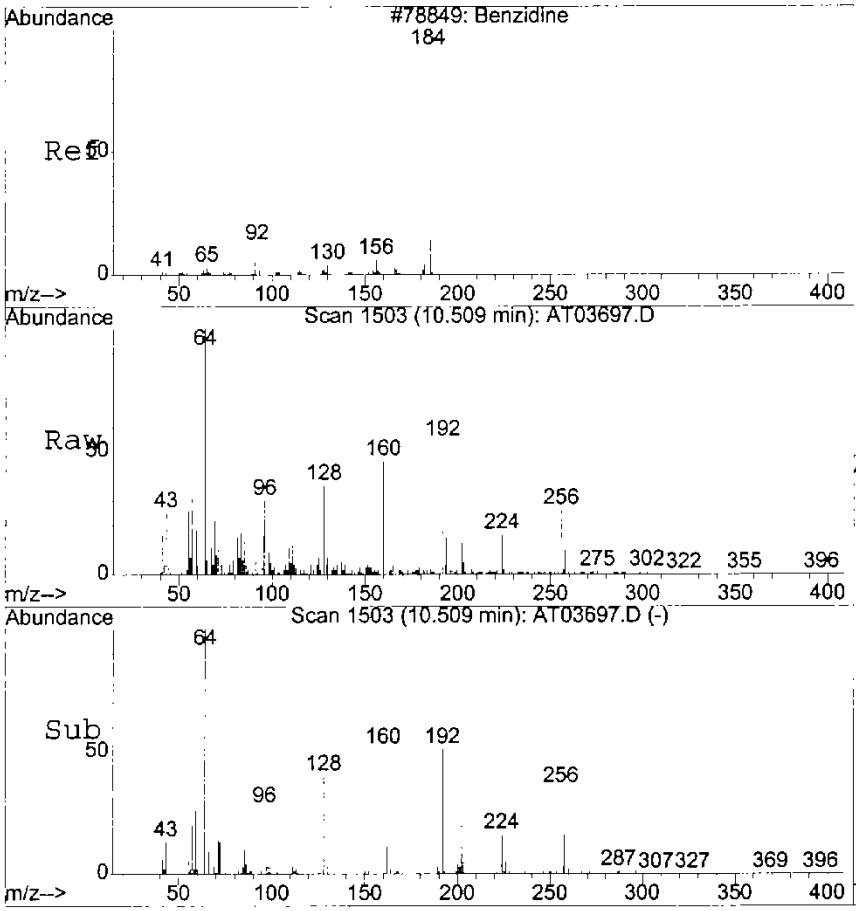


#77
Pyrene
Concen: 531.58 ug/L
RT: 10.78 min Scan# 1554
Delta R.T. -0.01 min
Lab File: AT03697.D
Acq: 1 Mar 2005 12:04 pm

Tgt Ion:202 Resp: 461227

Ion	Ratio	Lower	Upper
202	100		
101	19.0	0.0	44.9

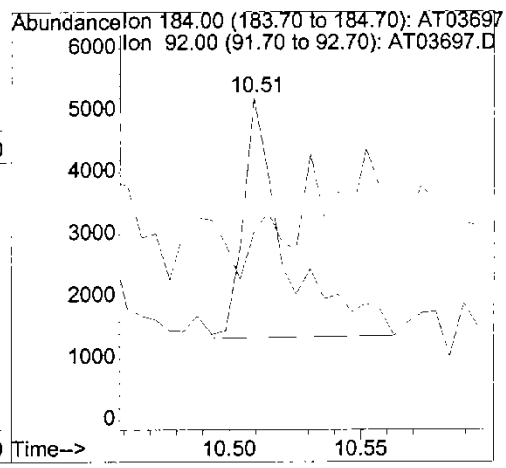


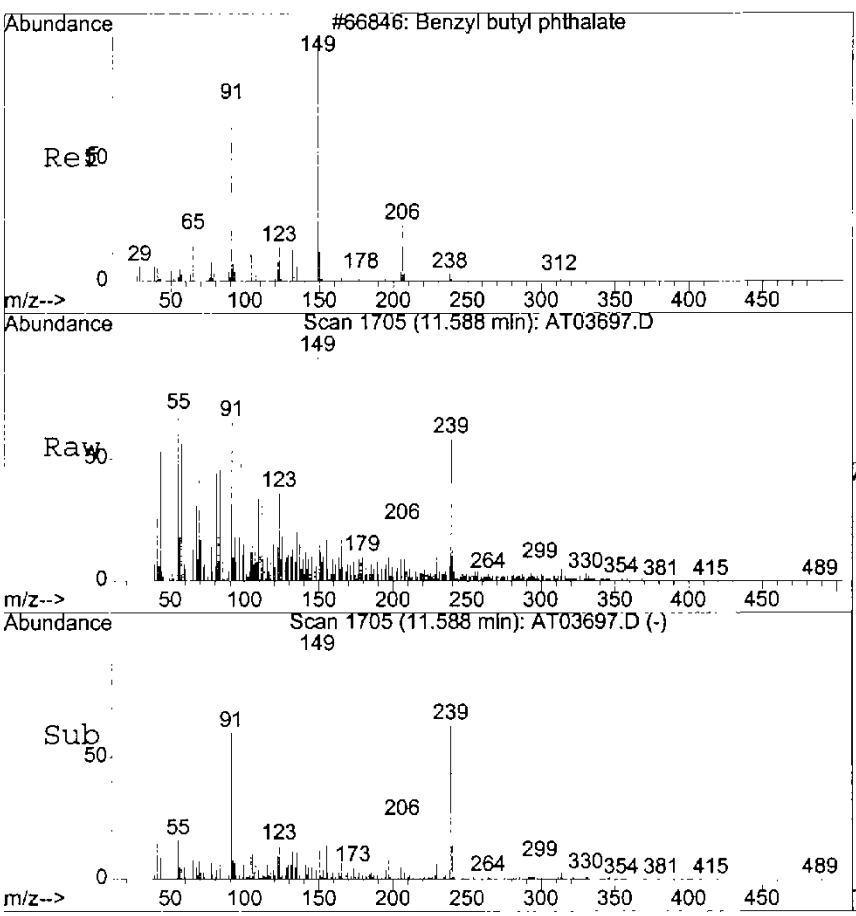


#78
Benzidine
Concen: 36.66 ul/l
RT: 10.51 min Scan# 1503
Delta R.T. -0.21 min
Lab File: AT03697.D
Acq: 1 Mar 2005 12:04 pm

Tgt Ion:184 Resp: 4361

Ion	Ratio	Lower	Upper
184	100		
92	21.2	0.0	39.3

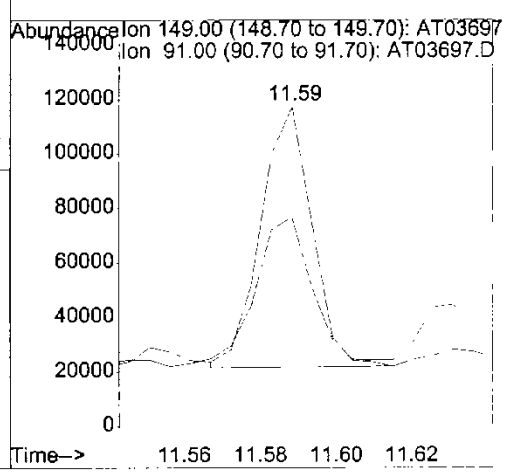


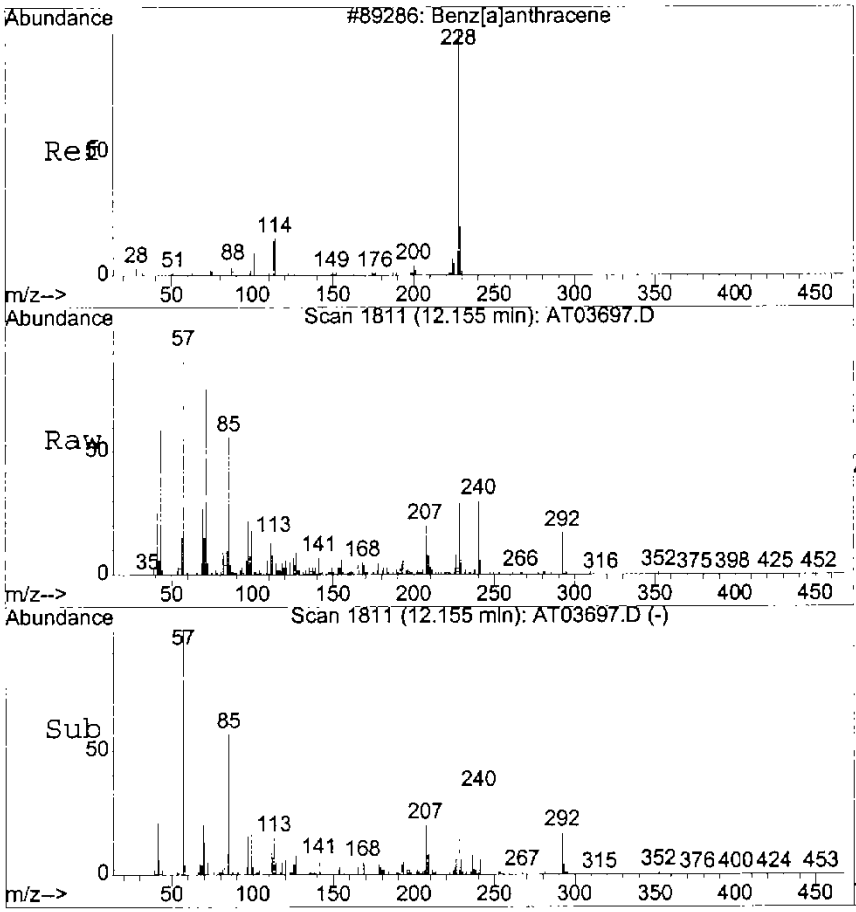


#81
Butylbenzylphthalate
Concen: 312.83 ug/L
RT: 11.59 min Scan# 1705
Delta R.T. 0.01 min
Lab File: AT03697.D
Acq: 1 Mar 2005 12:04 pm

Tgt Ion:149 Resp: 89091

Ion	Ratio	Lower	Upper
149	100		
91	55.1	30.6	90.6

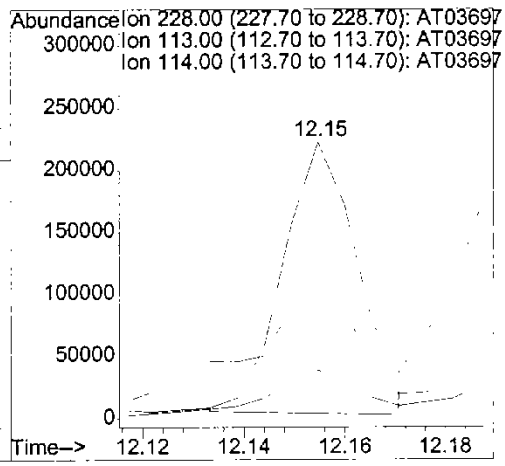


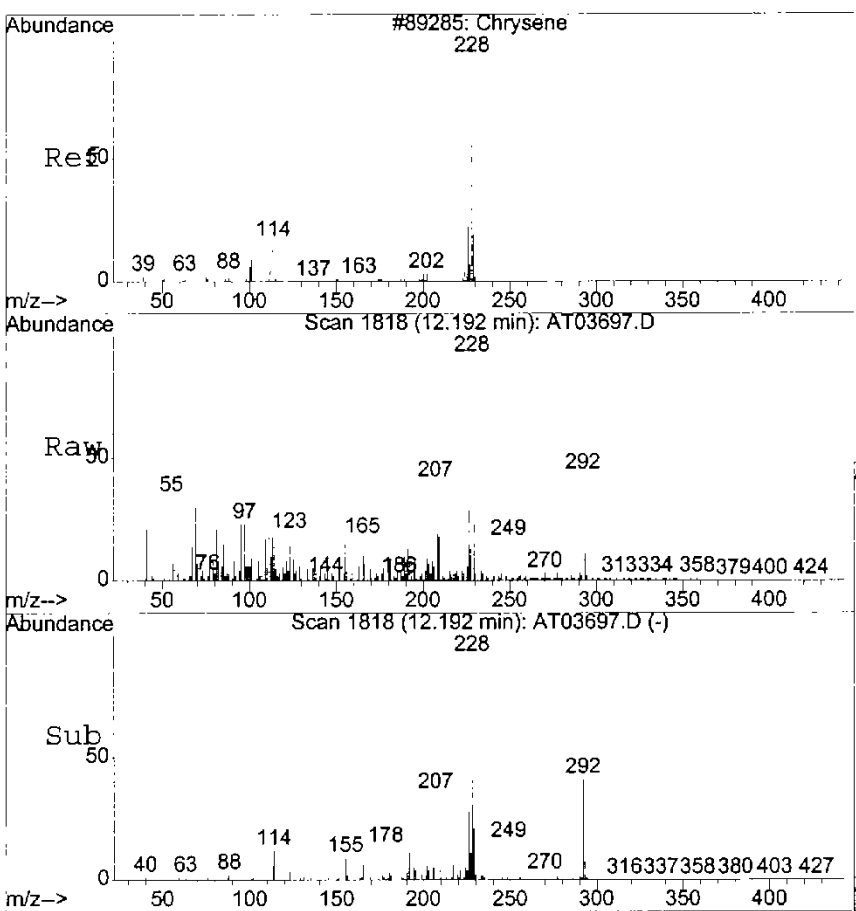


#82
Benzo(a)anthracene
Concen: 309.89 ug/L m
RT: 12.15 min Scan# 1811
Delta R.T. 0.00 min
Lab File: AT03697.D
Acq: 1 Mar 2005 12:04 pm

Tgt Ion:228 Resp: 226064

Ion	Ratio	Lower	Upper
228	100		
113	51.2	0.0	41.1#
114	17.3	0.0	42.7

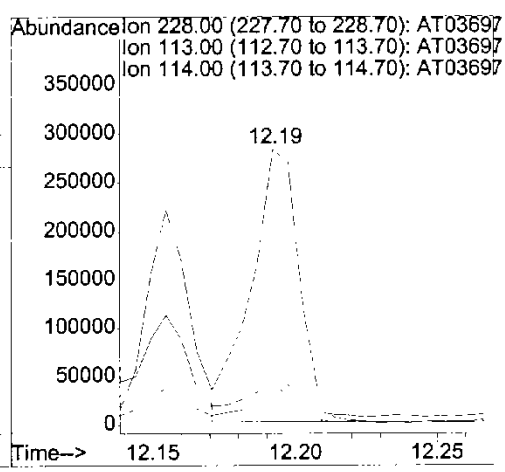


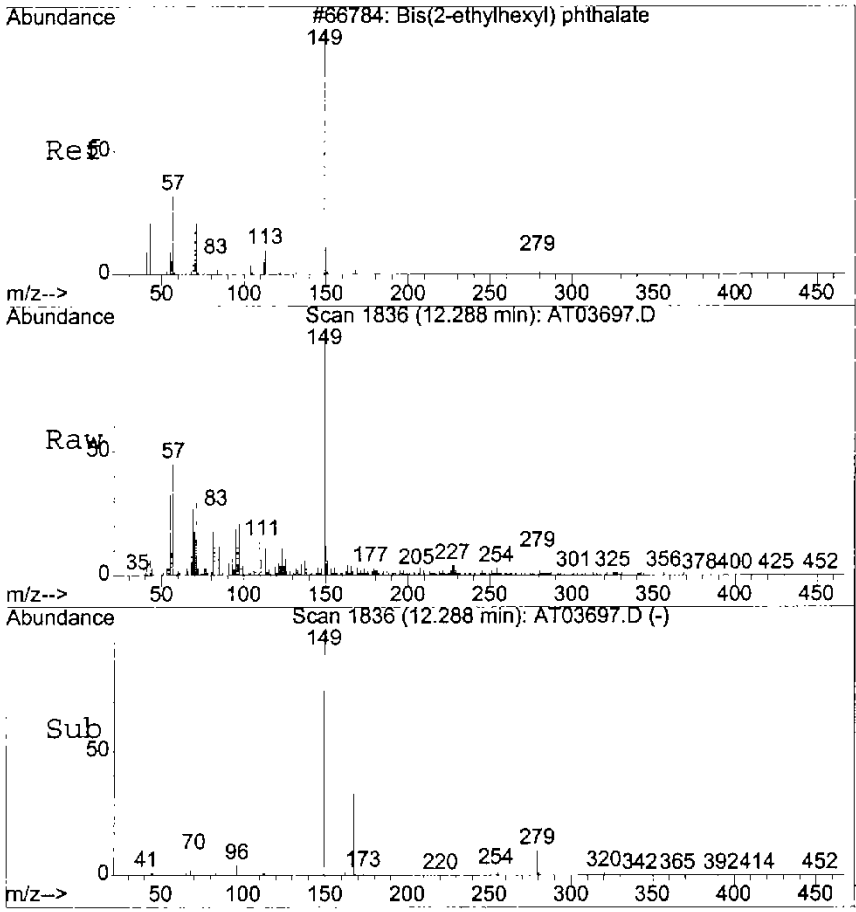


#84
Chrysene
Concen: 433.94 ug/L
RT: 12.19 min Scan# 1818
Delta R.T. 0.00 min
Lab File: AT03697.D
Acq: 1 Mar 2005 12:04 pm

Tgt Ion:228 Resp: 329955

Ion	Ratio	Lower	Upper
228	100		
113	13.2	0.0	42.9
114	12.7	0.0	41.2

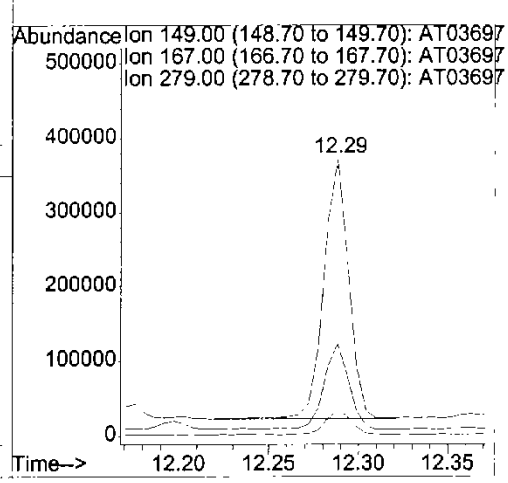


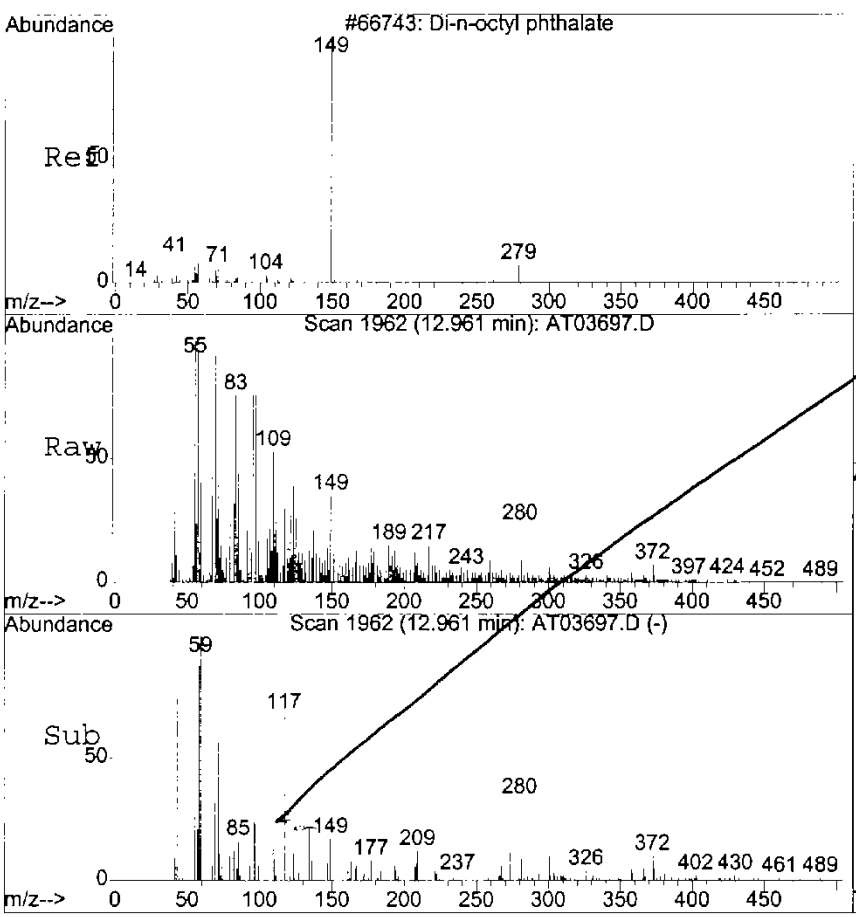


#85
bis(2-Ethylhexyl)phthalate
Concen: 713.66 ug/L
RT: 12.29 min Scan# 1836
Delta R.T. 0.00 min
Lab File: AT03697.D
Acq: 1 Mar 2005 12:04 pm

Tgt Ion:149 Resp: 336247

Ion	Ratio	Lower	Upper
149	100		
167	32.5	2.4	62.4
279	9.4	0.0	39.8

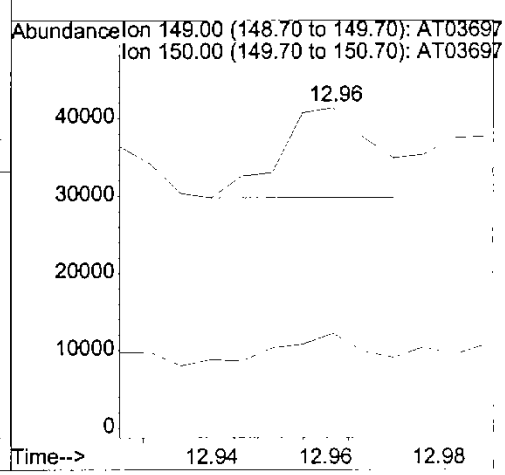


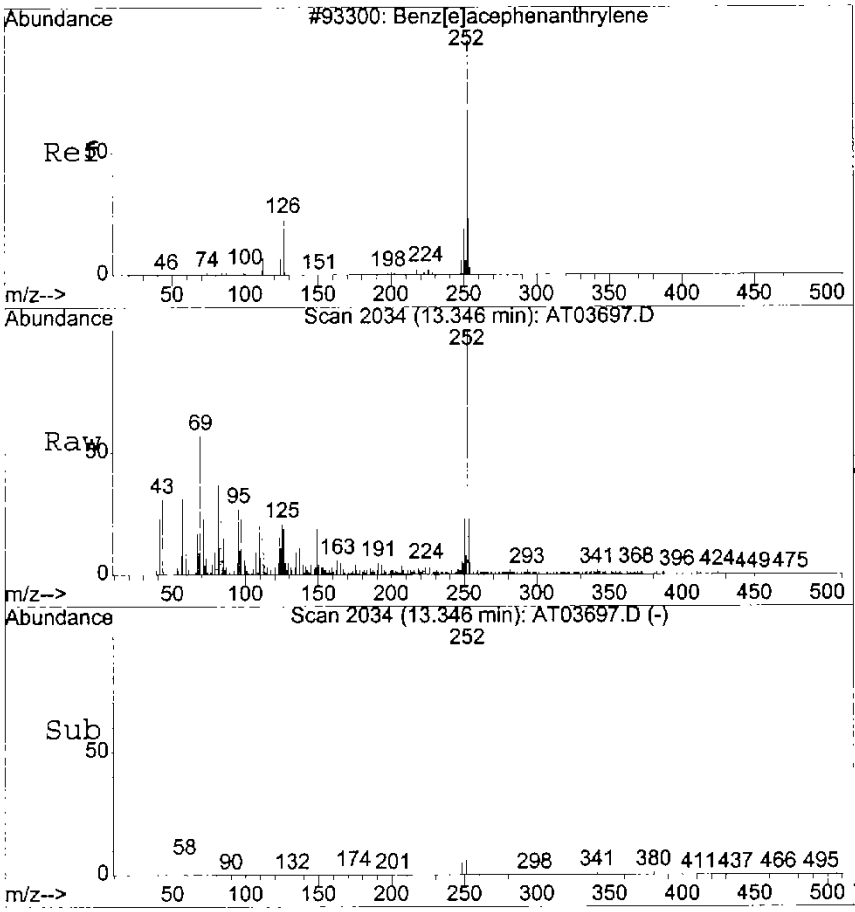


#87
Di-n-octylphthalate
Concen: 17.53 ug/L
RT: 12.96 min Scan# 1962
Delta R.T. 0.01 min
Lab File: AT03697.D
Acq: 1 Mar 2005 12:04 pm

Tgt Ion:149 Resp: 13235

Ion	Ratio	Lower	Upper
149	100		
150	35.7	0.0	39.5

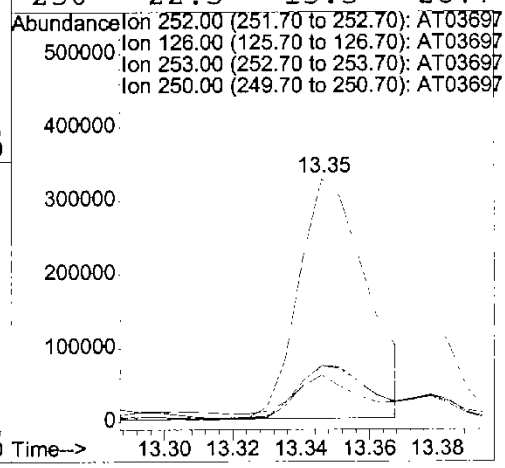


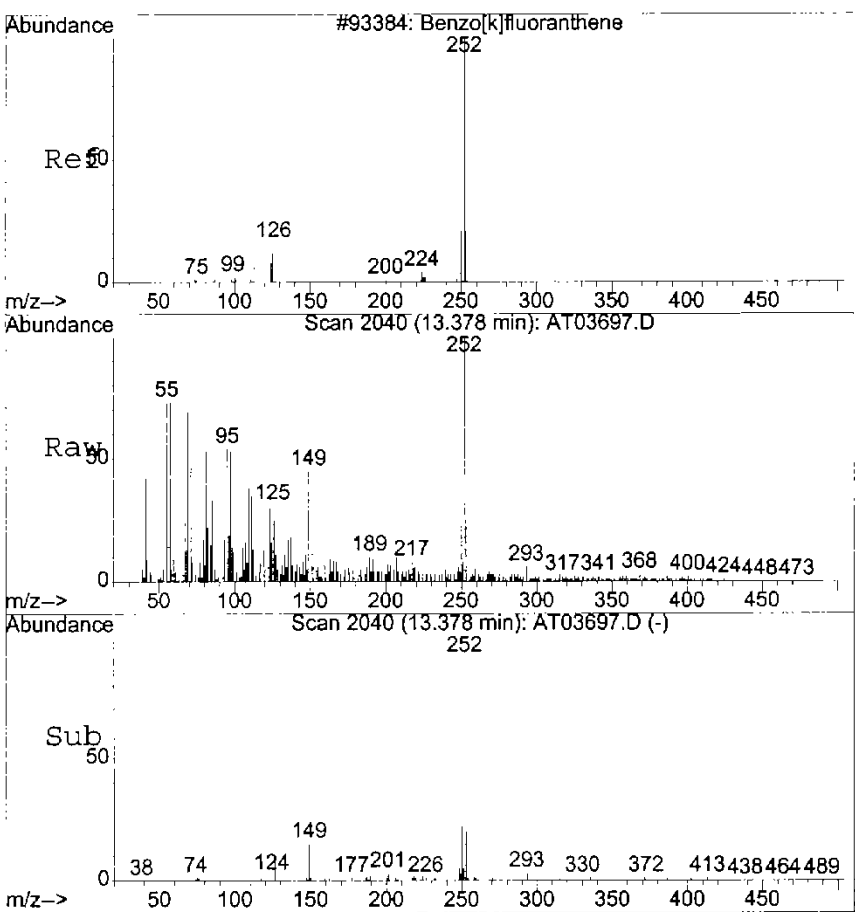


#88
Benzo(b)fluoranthene
Concen: 539.96 ul/l
RT: 13.35 min Scan# 2034
Delta R.T. 0.01 min
Lab File: AT03697.D
Acq: 1 Mar 2005 12:04 pm

Tgt Ion:252 Resp: 450691

Ion	Ratio	Lower	Upper
252	100		
126	16.0	11.5	21.5
253	21.9	15.2	28.2
250	22.5	15.5	28.7

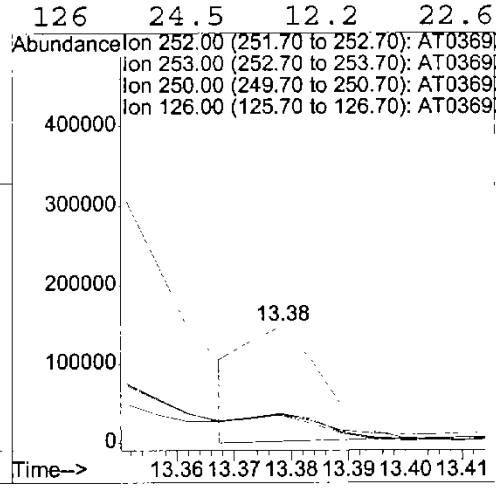


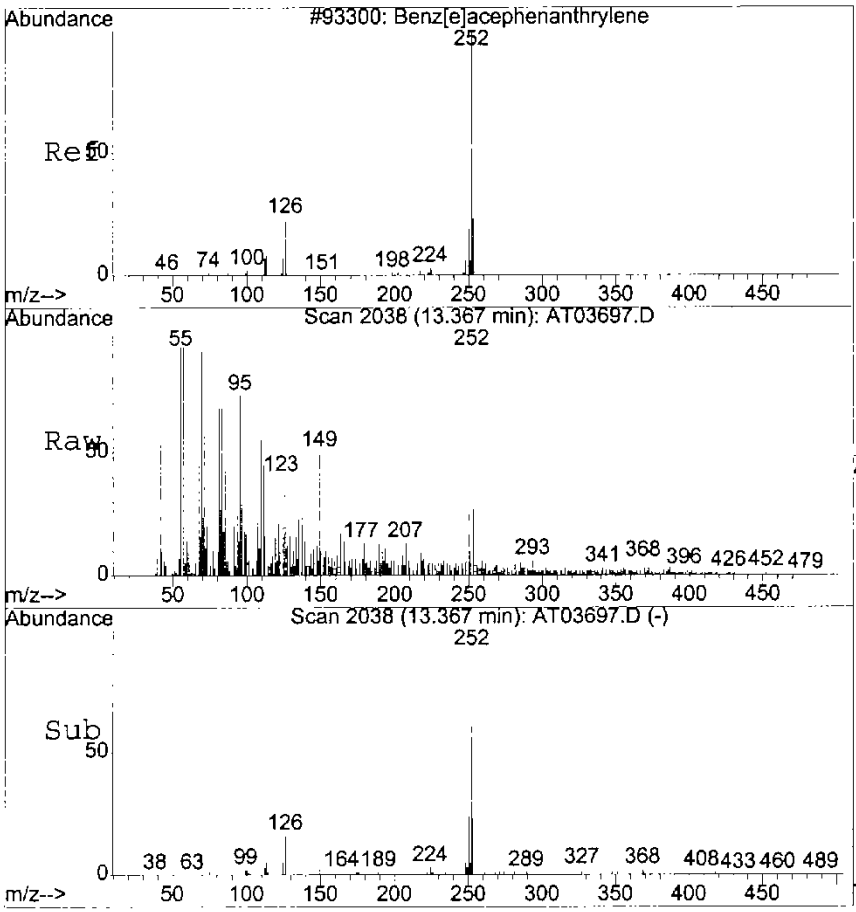


#89
benzo(k)fluoranthene
Concen: 185.92 ul/l m
RT: 13.38 min Scan# 2040
Delta R.T. 0.01 min
Lab File: AT03697.D
Acq: 1 Mar 2005 12:04 pm

Tgt Ion:252 Resp: 139010

Ion	Ratio	Lower	Upper
252	100		
253	25.0	15.3	28.5
250	23.5	15.5	28.9
126	24.5	12.2	22.6#

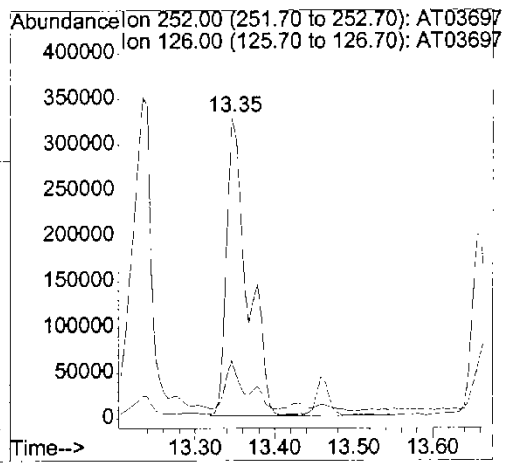


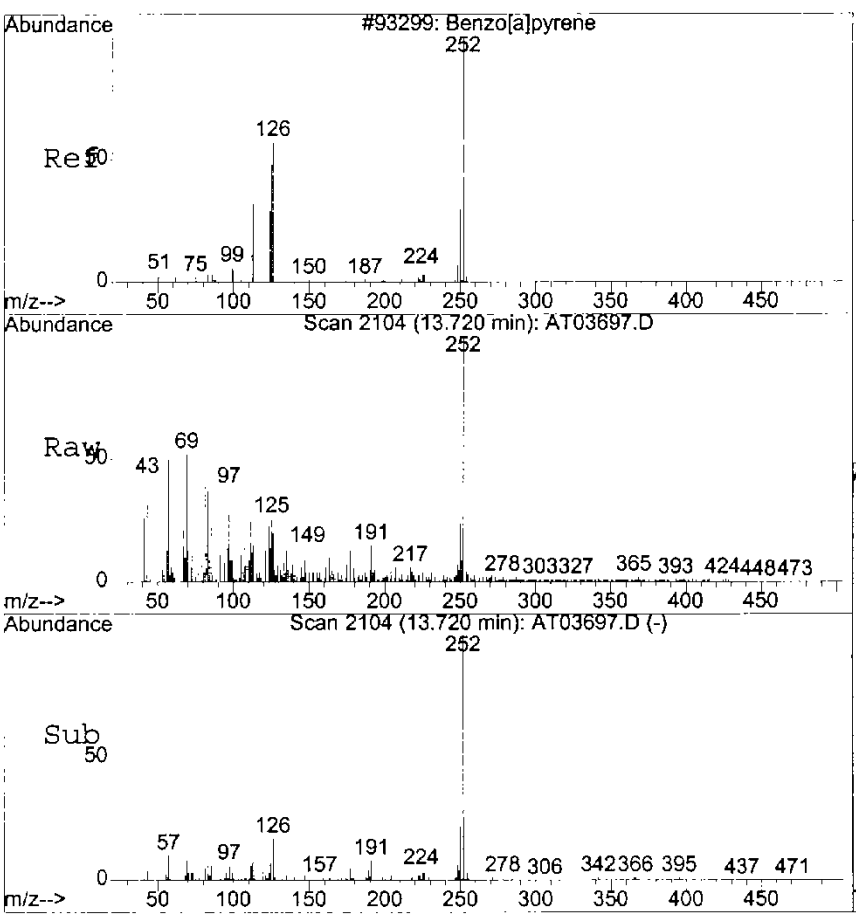


#90
Benzofluoranthenes
Concen: 853.94 ug/L
RT: 13.37 min Scan# 2038
Delta R.T. 0.01 min
Lab File: AT03697.D
Acq: 1 Mar 2005 12:04 pm

Tgt Ion:252 Resp: 646763

Ion	Ratio	Lower	Upper
252	100		
126	15.6	0.0	47.4

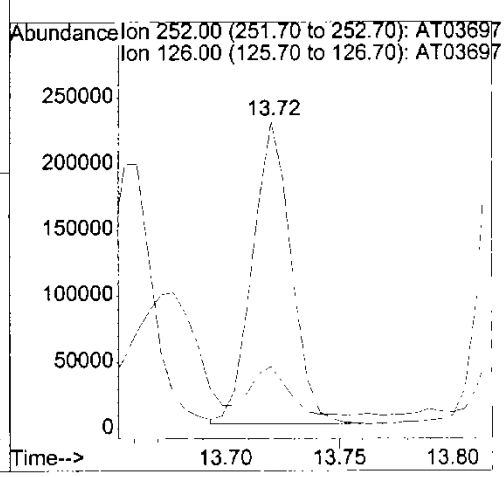


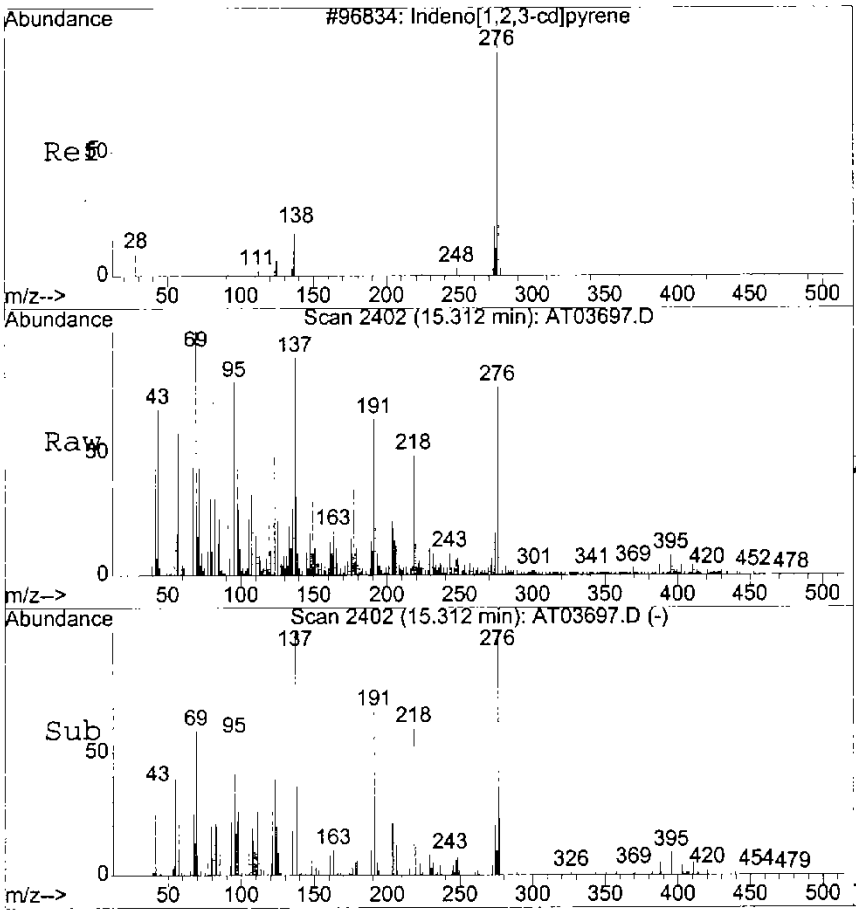


#91
Benzo(a)pyrene
Concen: 413.11 ug/L
RT: 13.72 min Scan# 2104
Delta R.T. 0.01 min
Lab File: AT03697.D
Acq: 1 Mar 2005 12:04 pm

Tgt Ion:252 Resp: 268260

Ion	Ratio	Lower	Upper
252	100		
126	11.8	0.0	45.3

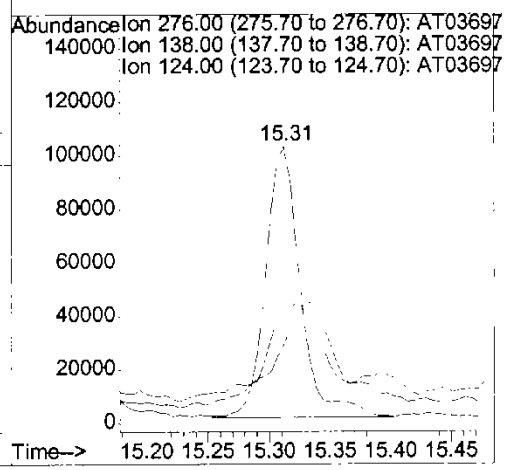


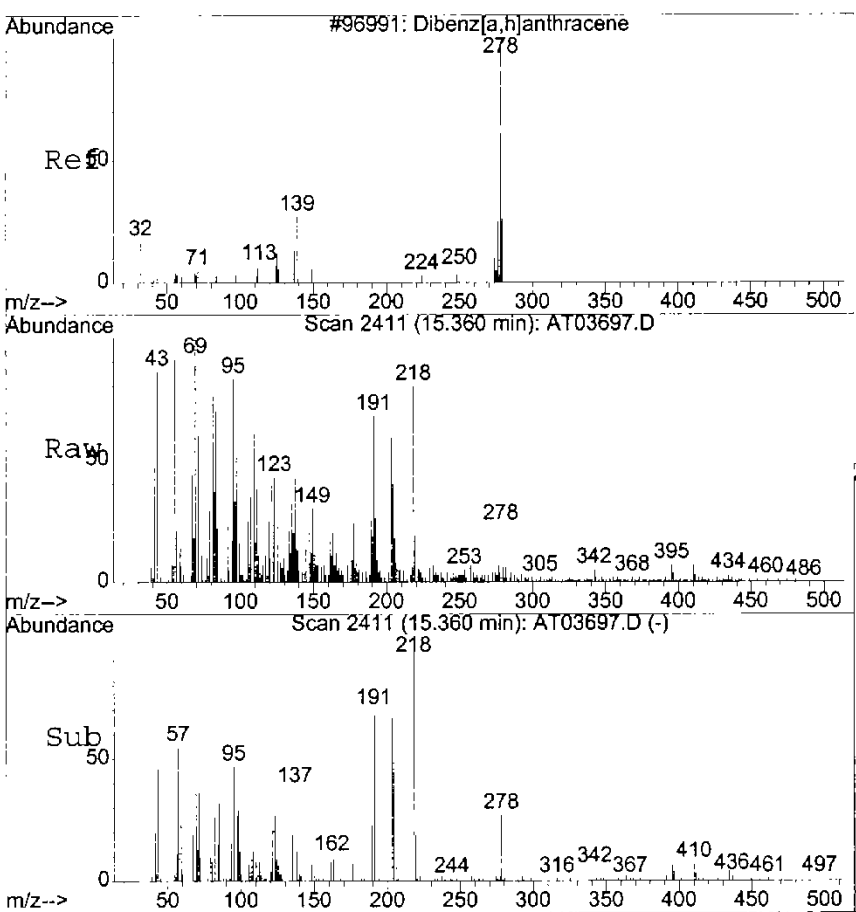


#92
Indeno(1,2,3-cd)pyrene
Concen: 297.37 ug/L
RT: 15.31 min Scan# 2402
Delta R.T. 0.02 min
Lab File: AT03697.D
Acq: 1 Mar 2005 12:04 pm

Tgt Ion:276 Resp: 200805

Ion	Ratio	Lower	Upper
276	100		
138	34.3	0.0	51.8
124	15.1	0.0	35.4

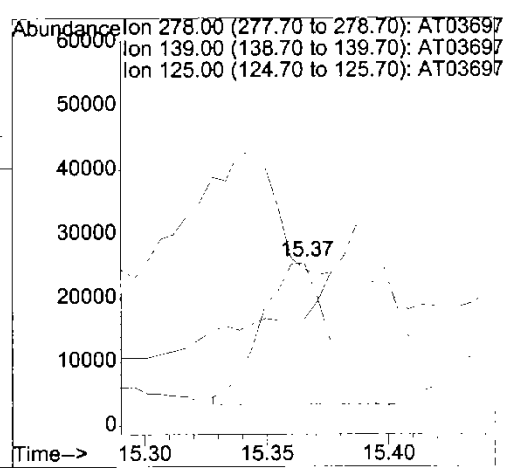


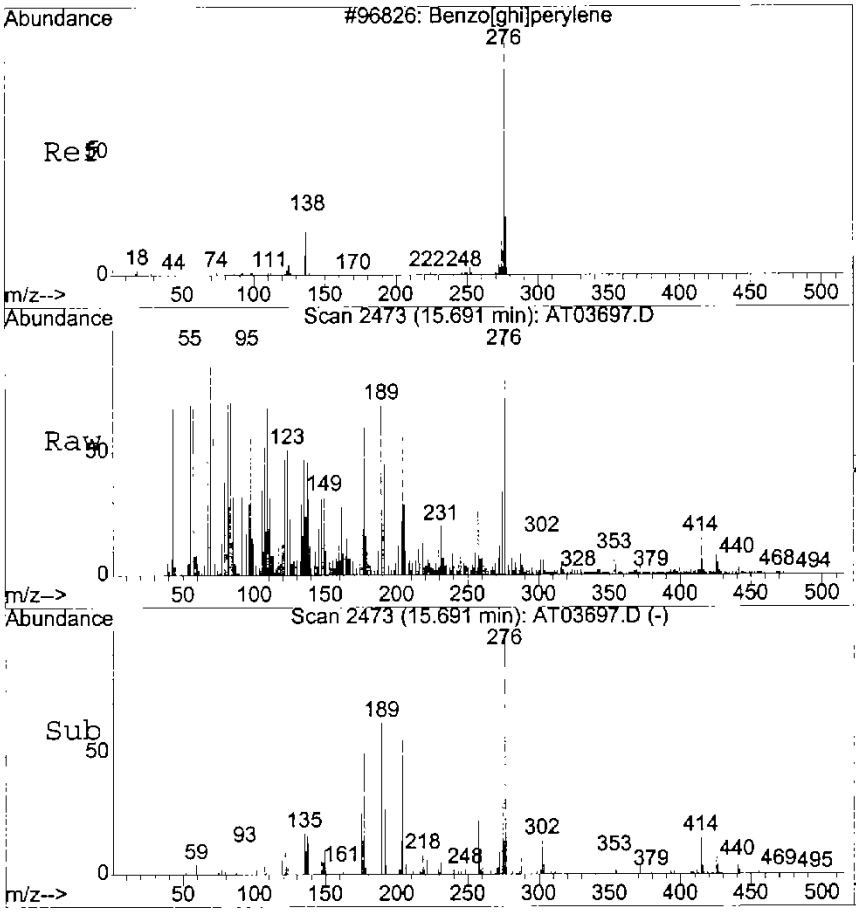


#93
Dibenz(a,h)anthracene
Concen: 66.10 ug/L
RT: 15.36 min Scan# 2411
Delta R.T. 0.01 min
Lab File: AT03697.D
Acq: 1 Mar 2005 12:04 pm

Tgt Ion:278 Resp: 40931

Ion	Ratio	Lower	Upper
278	100		
139	0.0	0.0	46.7
125	0.0	0.0	35.8

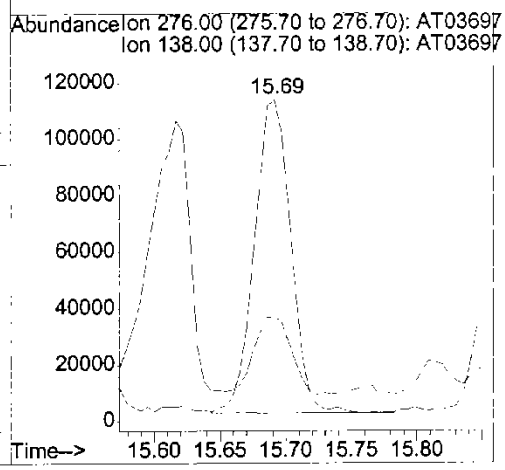




#94
Benzo(g,h,i)perylene
Concen: 294.53 ug/L
RT: 15.69 min Scan# 2473
Delta R.T. 0.03 min
Lab File: AT03697.D
Acq: 1 Mar 2005 12:04 pm

Tgt Ion:276 Resp: 213613

Ion	Ratio	Lower	Upper
276	100		
138	24.3	0.0	54.3

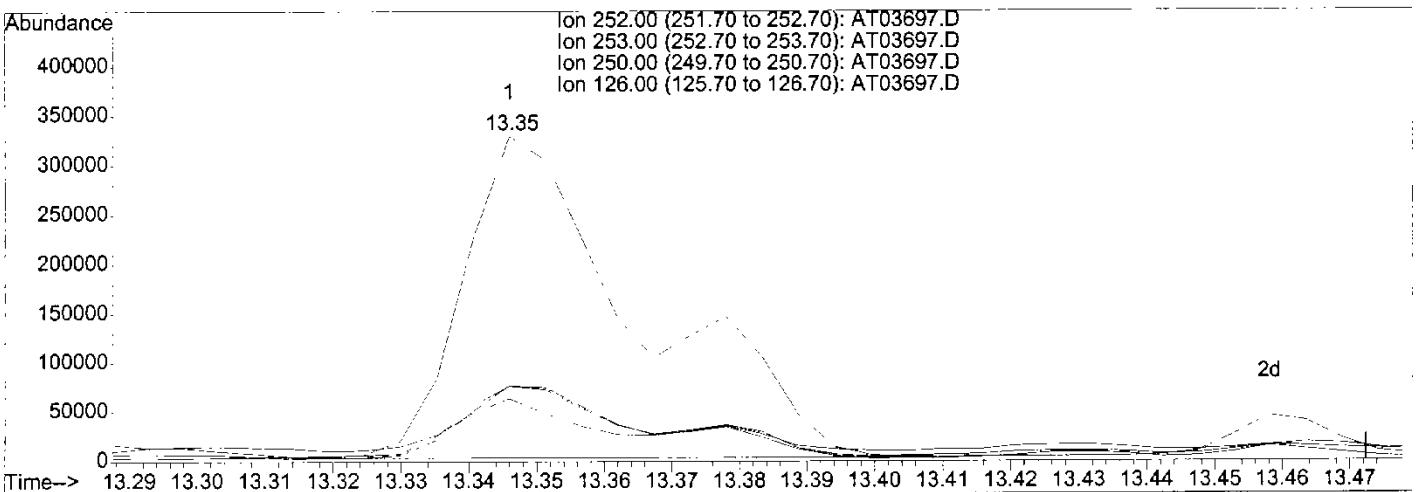


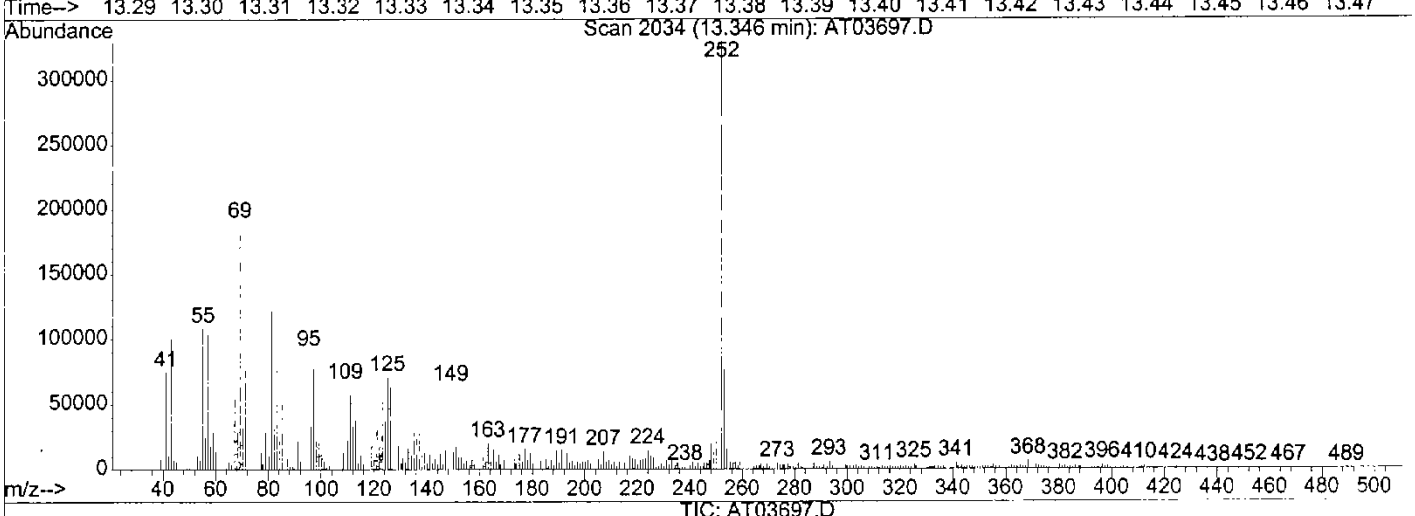
Quantitation Report (Qedit)

Data File : H:\DATA\030105_A\AT03697.D
Acq On : 1 Mar 2005 12:04 pm
Sample : 126377-3 &1
Misc :
MS Integration Params: Rteint.p
Quant Time: Mar 1 12:41 2005

Vial: 11
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: temp.res

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Feb 28 14:16:48 2005
Response via : Multiple Level Calibration





(89) benzo(k)fluoranthene (T)

13.35min 789.93ul/l

response 590631

Ion	Exp%	Act%
252.00	100	100
253.00	21.90	21.78
250.00	22.20	22.65
126.00	17.40	15.72

3/2/05

AT03697.D 8270_022505.M Wed Mar 02 06:30:01 2005 MSD1

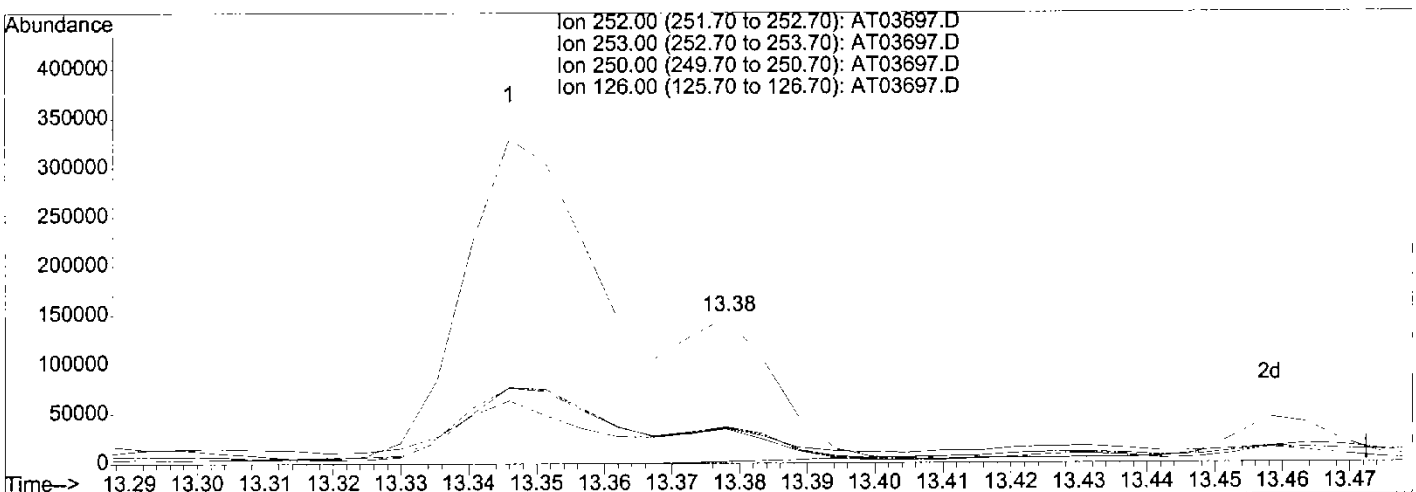
00401

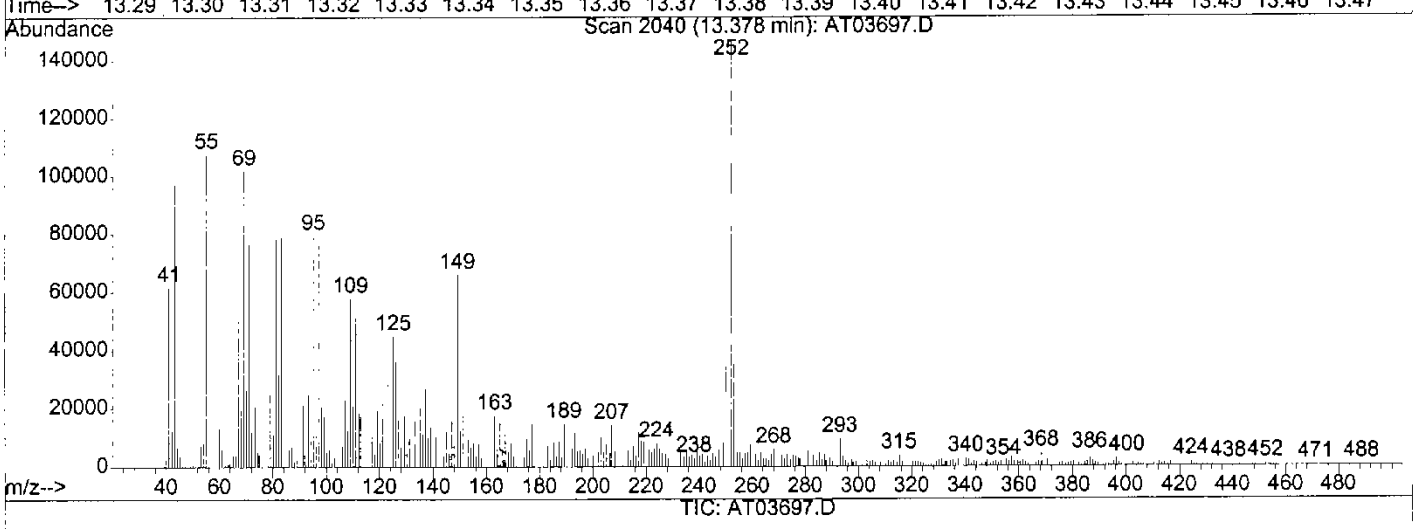
Quantitation Report (Qedit)

Data File : H:\DATA\030105_A\AT03697.D
Acq On : 1 Mar 2005 12:04 pm
Sample : 126377-3 &1
Misc :
MS Integration Params: Rteint.p
Quant Time: Mar 2 6:30 2005

Vial: 11
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: temp.res

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Feb 28 14:16:48 2005
Response via : Multiple Level Calibration





(89) benzo(k)fluoranthene (T)

13.38min 185.92ul/l m

response 139010

Ion	Exp%	Act%
252.00	100	100
253.00	21.90	25.00
250.00	22.20	23.45
126.00	17.40	24.51#

3/2/05

AT03697.D 8270_022505.M Wed Mar 02 06:30:06 2005 MSD1

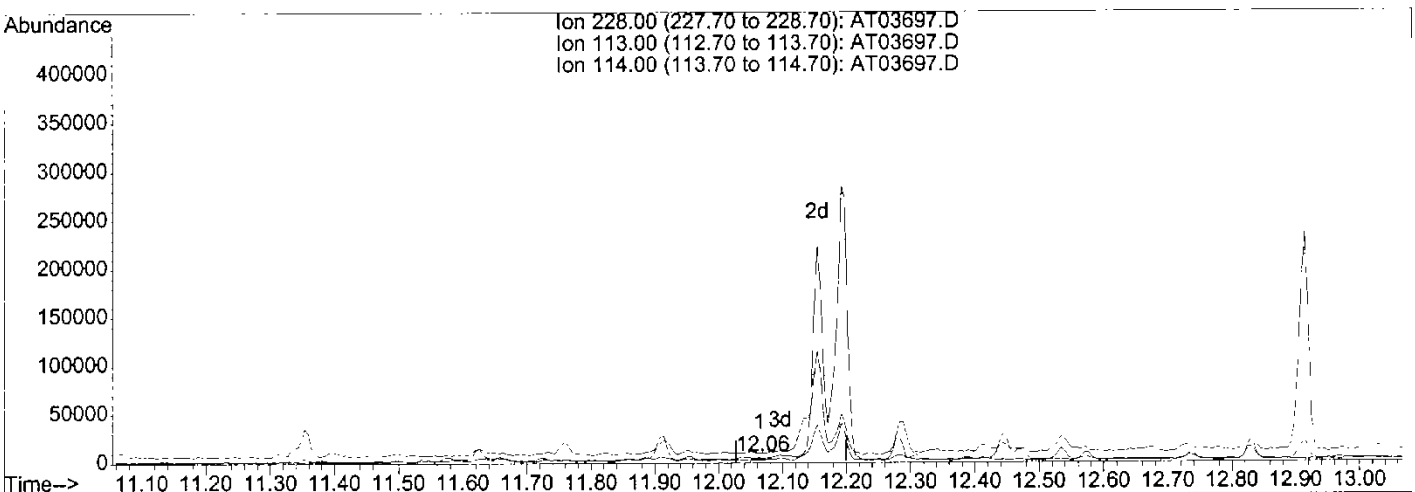
00402

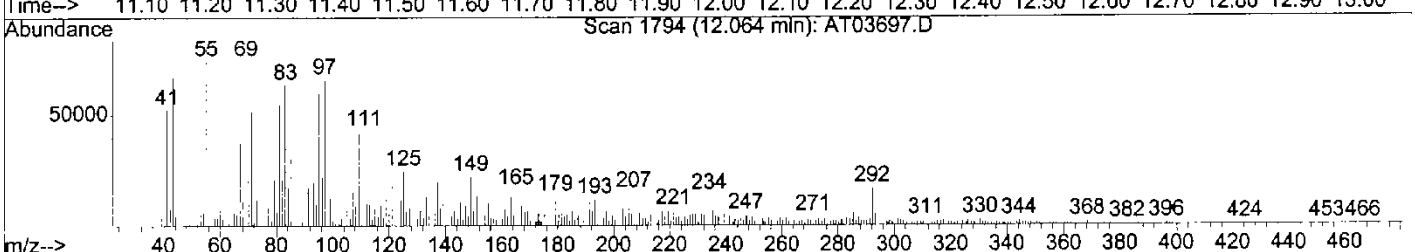
Quantitation Report (Qedit)

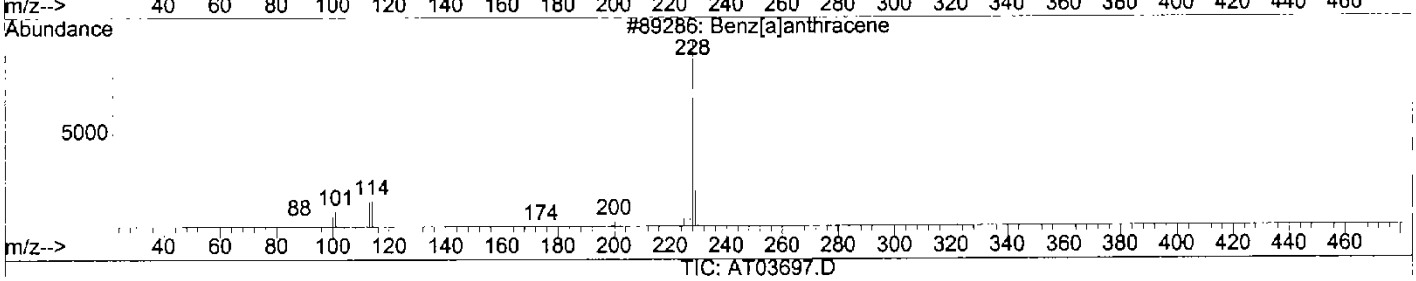
Data File : H:\DATA\030105_A\AT03697.D
Acq On : 1 Mar 2005 12:04 pm
Sample : 126377-3 &1
Misc :
MS Integration Params: Rteint.p
Quant Time: Mar 2 6:30 2005

Vial: 11
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: temp.res

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Feb 28 14:16:48 2005
Response via : Multiple Level Calibration







TIC: AT03697.D

(82) Benzo(a)anthracene (T)

12.06min 1.11ug/L

response 811

Ion	Exp%	Act%
228.00	100	100
113.00	11.10	0.00
114.00	12.70	4.52
0.00	0.00	0.00

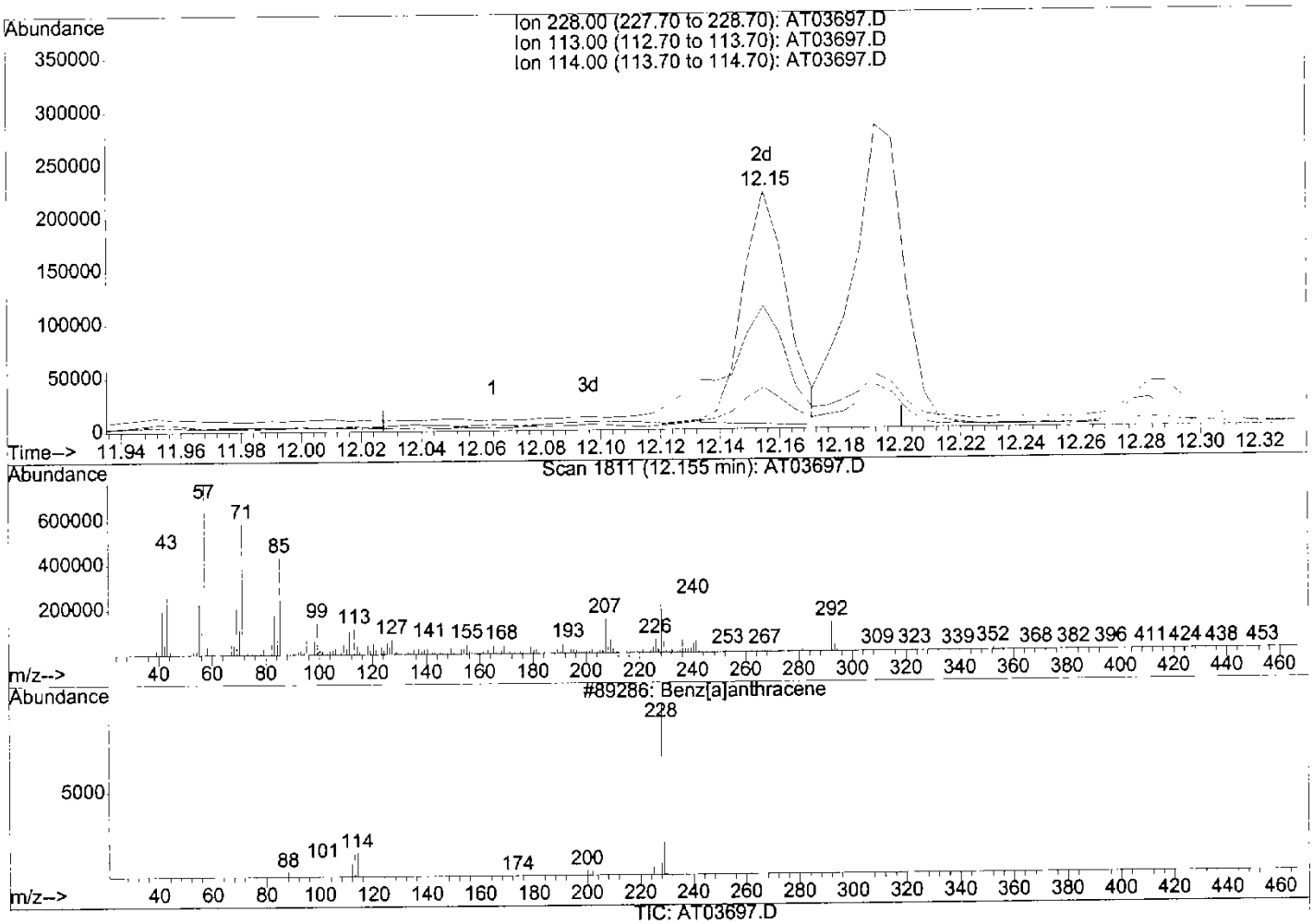
Quantitation Report (Qedit)

Data File : H:\DATA\030105_A\AT03697.D
Acq On : 1 Mar 2005 12:04 pm
Sample : 126377-3 &1
Misc :
MS Integration Params: Rteint.p
Quant Time: Mar 2 8:00 2005

Vial: 11
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00

Quant Results File: temp.res

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Feb 28 14:16:48 2005
Response via : Multiple Level Calibration



(82) Benzo(a)anthracene (T)

12.15min 309.89ug/L m

response 226064

Ion	Exp%	Act%
228.00	100	100
113.00	11.10	51.23#
114.00	12.70	17.32
0.00	0.00	0.00

AT03697.D 8270_022505.M Wed Mar 02 08:00:29 2005 MSD1

Quantitation Report (QT Reviewed)

Data File : H:\DATA\030105_A\AT03704.D
Acq On : 1 Mar 2005 3:43 pm
Sample : 126377-3 &1 1:5 ss1348
Misc :
MS Integration Params: Rteint.p
Quant Time: Mar 02 06:25:48 2005

Vial: 18
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: 8270_022505.RES

Quant Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Feb 28 14:16:48 2005
Response via : Initial Calibration
DataAcq Meth : 8270

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4 (I)	5.43	152	250827	1000.000 ug/L	0.00
23) Naphthalene - d8 (I)	6.55	136	962067	1000.000 ug/L	0.00
39) Acenaphthene - d10 (I)	8.01	162	518885	1000.000 ug/L	0.00
63) Phenanthrene - d10 (I)	9.31	188	936811	1000.000 ug/L	0.00
80) Chrysene - d12 (I)	12.17	240	959481	1000.000 ul/l	0.00
86) Perylene - d12 (I)	13.79	264	936391	1000.000 ug/L	0.01
System Monitoring Compounds					
4) 2 - Fluorophenol (S)	4.14	112	26922	128.19 ug/L	0.00
8) Phenol - d5 (S)	5.13	99	37764	159.76 ug/L	0.00
24) Nitrobenzene - d5 (S)	5.94	82	16395	83.11 ug/L	0.00
44) 2 - Fluorobiphenyl (S)	7.46	172	37090	66.25 ug/L	0.00
66) 2,4,6 - Tribromophenol (S)	8.68	330	15254	190.13 ug/L	0.00
79) p - Terphenyl - d14 (S)	11.00	244	98754	174.11 ug/L	0.00
Target Compounds					Qvalue
3) Pyridine	2.62	79	2428	189.198 ug/L	88
6) Benzaldehyde	5.04	105	10820	56.974 ul/L	90
9) Phenol	5.15	94	8225	32.634 ug/L	78
12) Decane	5.31	57	1383	5.420 ul/L	87
15) Benzyl alcohol	5.58	79	2372	38.018 ug/L	78
19) 3-&4-Methylphenol	5.83	108	2587	38.336 ug/L	83
21) Acetophenone	5.81	105	2089	12.188 ul/L	88
27) 2-Nitrophenol	6.22	139	652	5.936 ug/L	81
28) 2,4-Dimethylphenol	6.29	107	858	32.176 ug/L	75
30) Benzoic Acid	6.35	105	21960	549.890 ug/L	91
31) 2,4-Dichlorophenol	6.36	162	1340	8.309 ug/L	64
33) Naphthalene	6.56	128	5839	7.864 ug/L	87
37) 2-Methylnaphthalene	7.15	141	2035	5.173 ug/L	99
49) Acenaphthylene	7.89	152	4512	6.305 ug/L	97
50) 2,6-Dinitrotoluene	7.88	165	330	28.478 ug/L	77
51) 3-Nitroaniline	7.98	138	302	Below Cal #	8
52) Acenaphthene	8.04	153	3719	7.898 ug/L	84
53) 2,4-Dinitrophenol	8.08	184	62	344.388 ug/L	51
55) Dibenzofuran	8.18	168	6025	9.551 ug/L	97
56) 2,4-Dinitrotoluene	8.13	165	381	33.640 ug/L	89
59) Diethylphthalate	8.39	149	19942	38.696 ug/L	98
60) Fluorene	8.46	166	2837	5.844 ug/L	94
64) 4,6-Dinitro-2-methylphenol	8.52	198	55	384.133 ug/L	78
70) Pentachlorophenol	9.14	266	1484	17.560 ug/L	70
71) Phenanthrene	9.33	178	31801	41.637 ug/L	100
72) Anthracene	9.38	178	7756	11.196 ug/L	89

(#) = qualifier out of range (m) = manual integration

00405

Data File : H:\DATA\030105_A\AT03704.D
Acq On : 1 Mar 2005 3:43 pm
Sample : 126377-3 &1 1:5 ss1348
Misc :
MS Integration Params: Rteint.p
Quant Time: Mar 02 06:25:48 2005

Vial: 18
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: 8270_022505.RES

Quant Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Feb 28 14:16:48 2005
Response via : Initial Calibration
DataAcq Meth : 8270

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
73)	Octadecane	9.24	57	6121	27.616	ul/L	91
74)	Carbazole	9.55	167	4694	10.010	ug/L	91
75)	Di-n-butylphthalate	9.93	149	1057917	1288.570	ug/L	100
76)	Fluoranthene	10.55	202	106206	136.244	ug/L	94
77)	Pyrene	10.79	202	98509	121.835	ug/L	99
78)	Benzidine	10.95	184	706	6.368	ul/l	29
81)	Butylbenzylphthalate	11.59	149	22097	133.112	ug/L	86
82)	Benzo(a)anthracene	12.16	228	47761m	68.523	ug/L	
83)	3,3'-Dichlorobenzidine	12.22	252	735	31.052	ug/L	68
84)	Chrysene	12.20	228	61782	85.040	ug/L	98
85)	bis(2-Ethylhexyl)phthalate	12.29	149	68805	152.843	ug/L	99
87)	Di-n-octylphthalate	12.96	149	4038	5.565	ug/L	86
88)	Benzo(b)fluoranthene	13.35	252	89117	121.109	ul/l	95
89)	benzo(k)fluoranthene	13.38	252	26106m	36.324	ul/l	
90)	Benzofluoranthenes	13.37	252	122289	167.975	ug/L	82
91)	Benzo(a)pyrene	13.72	252	52982	84.881	ug/L	91
92)	Indeno(1,2,3-cd)pyrene	15.32	276	44496	83.421	ug/L	91
93)	Dibenz(a,h)anthracene	15.36	278	9800	25.956	ug/L	89
94)	Benzo(g,h,i)perylene	15.69	276	49772	71.394	ug/L	95

(#) = qualifier out of range (m) = manual integration

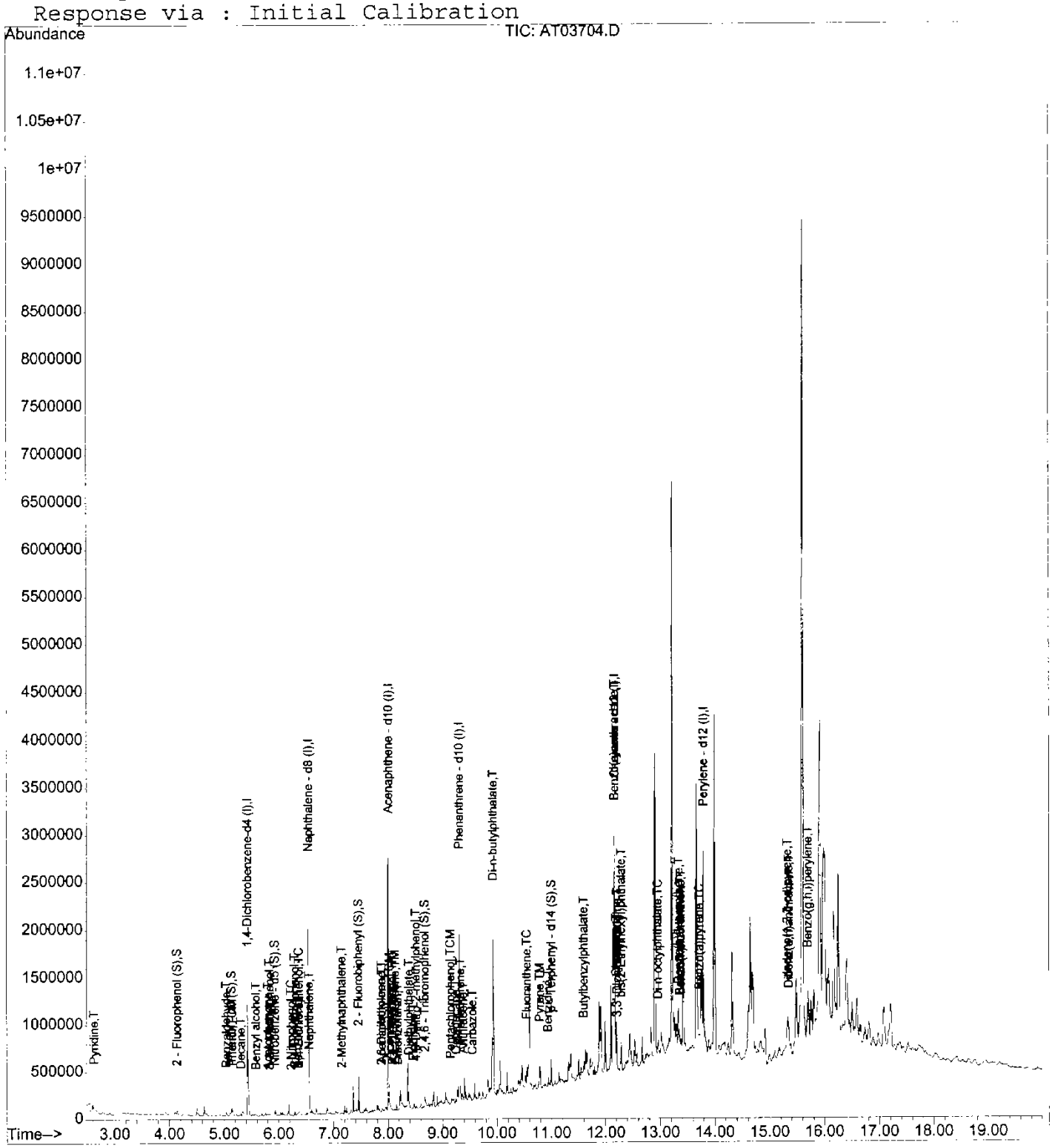
00406

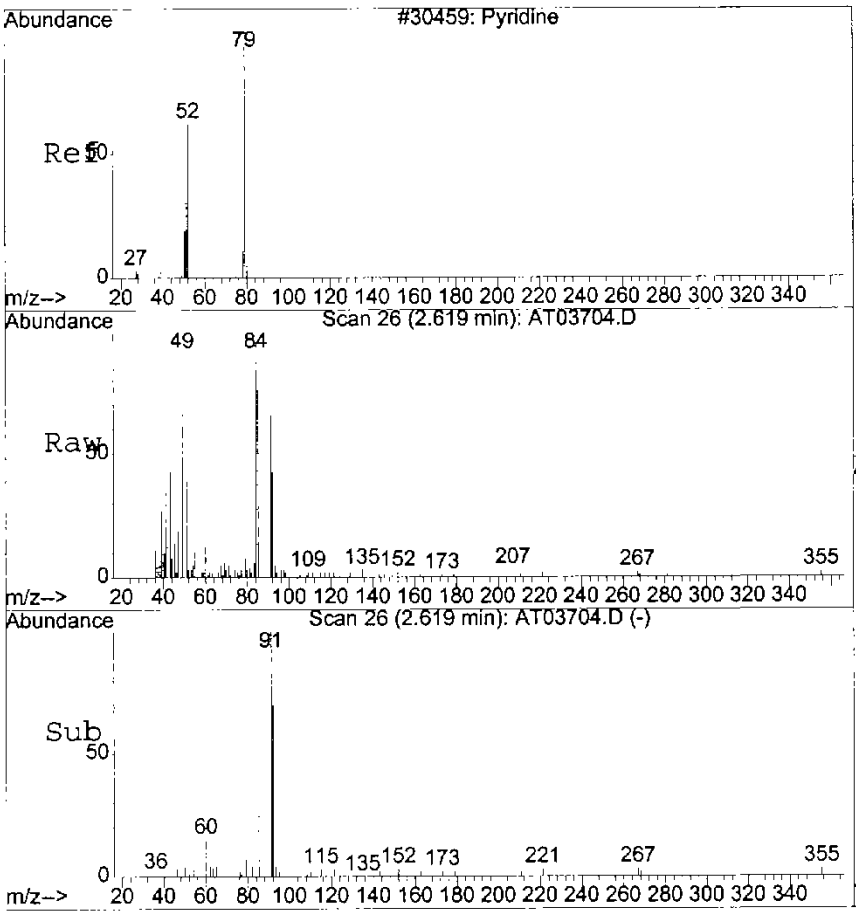
Quantitation Report (Qt Reviewed)

Data File : H:\DATA\030105_A\AT03704.D
Acq On : 1 Mar 2005 3:43 pm
Sample : 126377-3 &1 1:5 ss1348
Misc :
MS Integration Params: Rteint.p
Quant Time: Mar 2 8:12 2005

Vial: 18
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: 8270_022505.

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Feb 28 14:16:48 2005
Response via : Initial Calibration

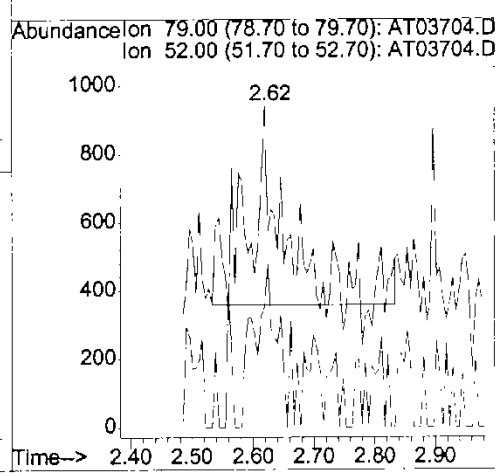


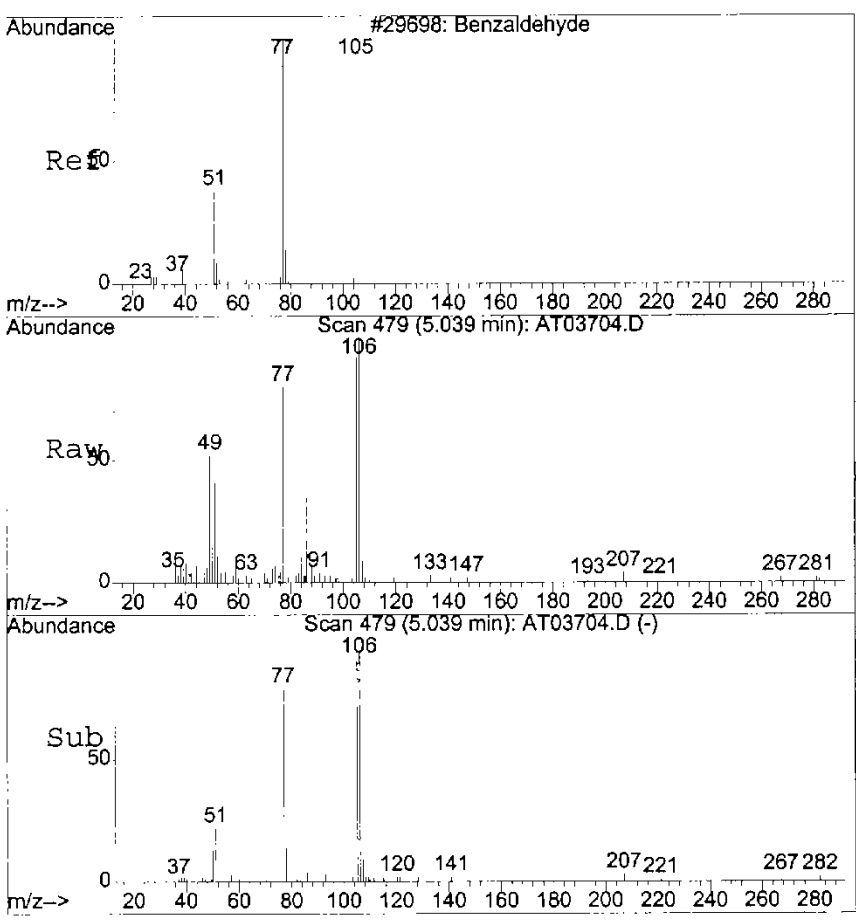


#3
Pyridine
Concen: 189.20 ug/L
RT: 2.62 min Scan# 26
Delta R.T. 0.07 min
Lab File: AT03704.D
Acq: 1 Mar 2005 3:43 pm

Tgt Ion: 79 Resp: 2428

Ion	Ratio	Lower	Upper
79	100		
52	69.1	29.7	89.7

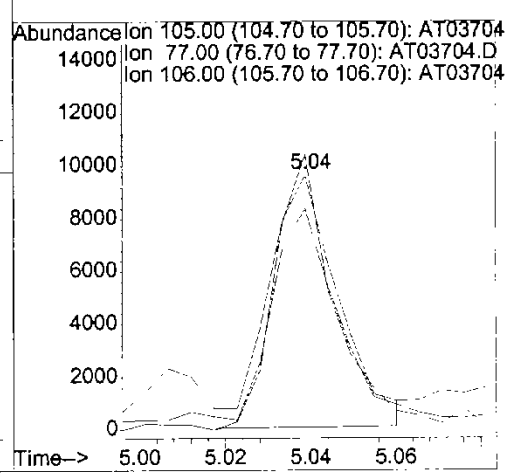


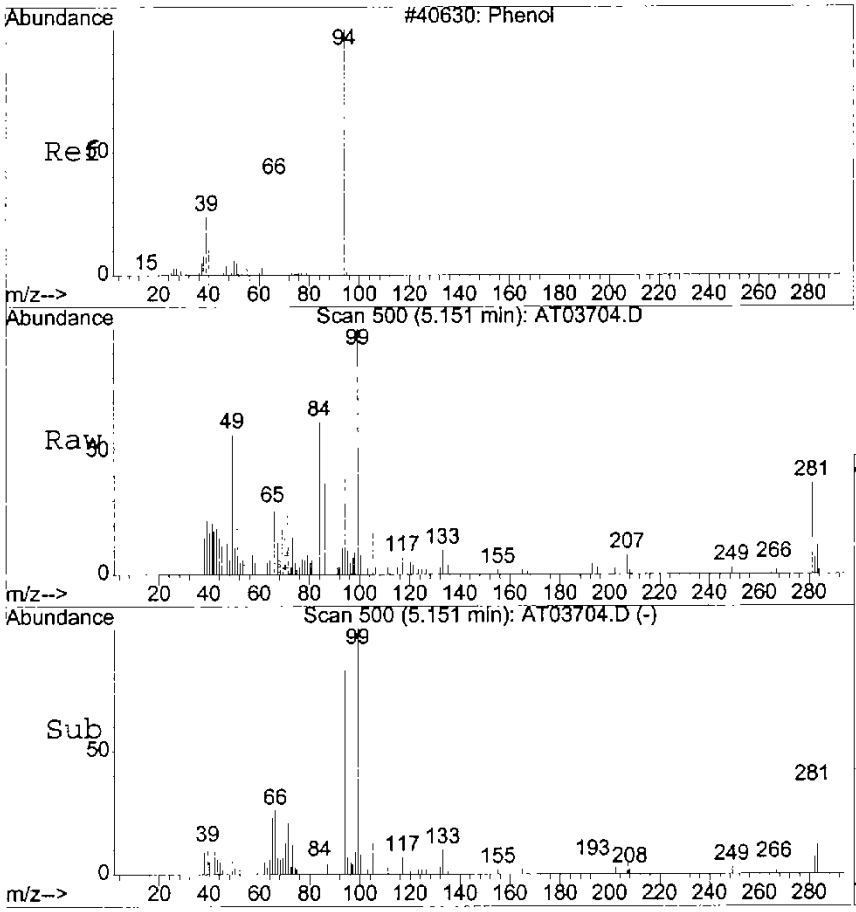


#6
Benzaldehyde
Concen: 56.97 ul/L
RT: 5.04 min Scan# 479
Delta R.T. -0.02 min
Lab File: AT03704.D
Acq: 1 Mar 2005 3:43 pm

Tgt Ion:105 Resp: 10820

Ion	Ratio	Lower	Upper
105	100		
77	80.9	63.9	123.9
106	95.1	72.0	132.0

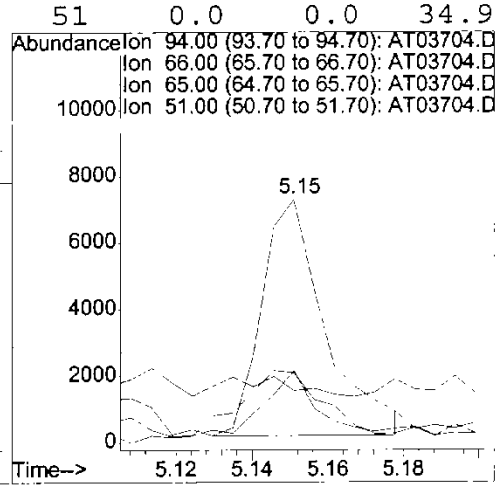


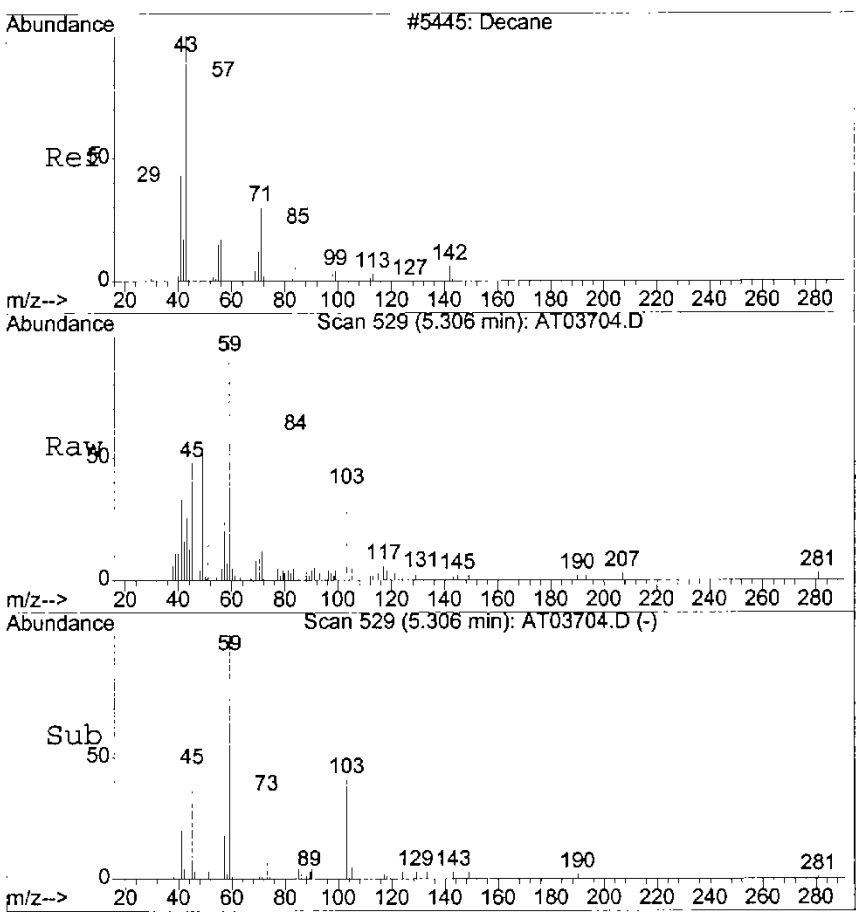


#9
Phenol
Concen: 32.63 ug/L
RT: 5.15 min Scan# 500
Delta R.T. 0.00 min
Lab File: AT03704.D
Acq: 1 Mar 2005 3:43 pm

Tgt Ion: 94 Resp: 8225

Ion	Ratio	Lower	Upper
94	100		
66	23.1	14.1	74.1
65	26.2	1.3	61.3
51	0.0	0.0	34.9

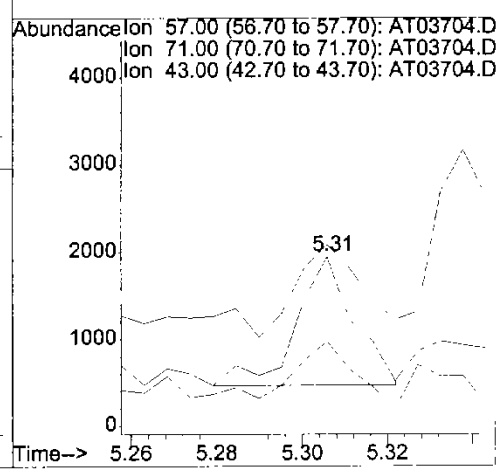




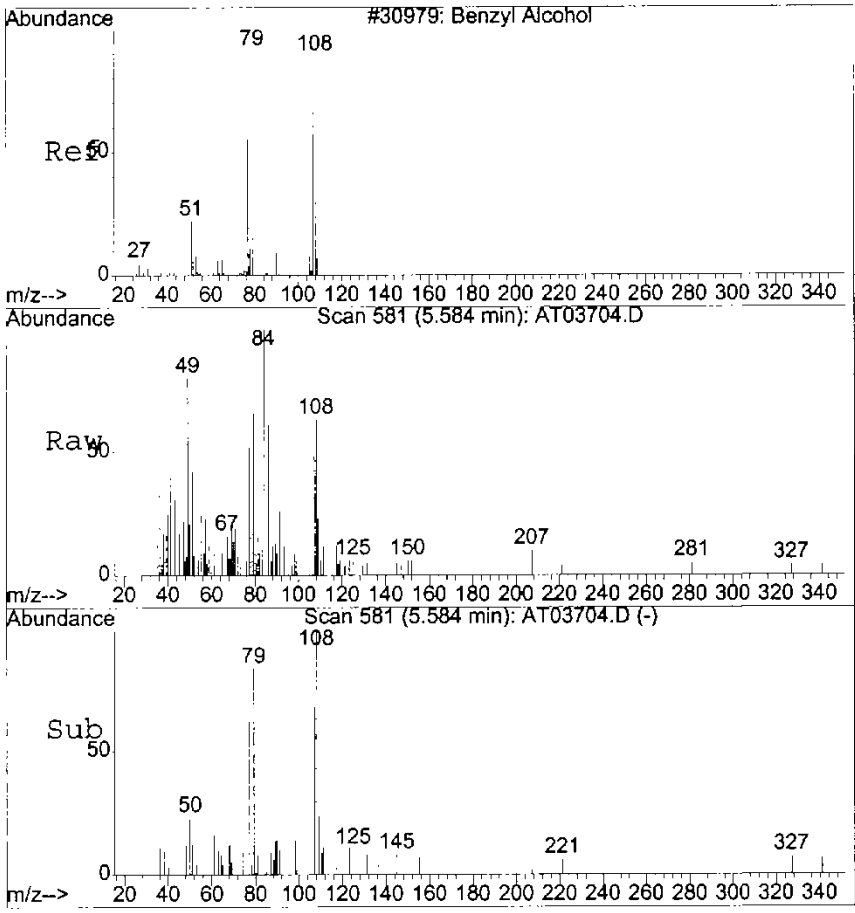
#12
Decane
Concen: 5.42 ul/L
RT: 5.31 min Scan# 529
Delta R.T. 0.00 min
Lab File: AT03704.D
Acq: 1 Mar 2005 3:43 pm

Tgt Ion: 57 Resp: 1383

Ion	Ratio	Lower	Upper
57	100		
71	63.0	13.9	73.9
43	81.7	48.7	108.7



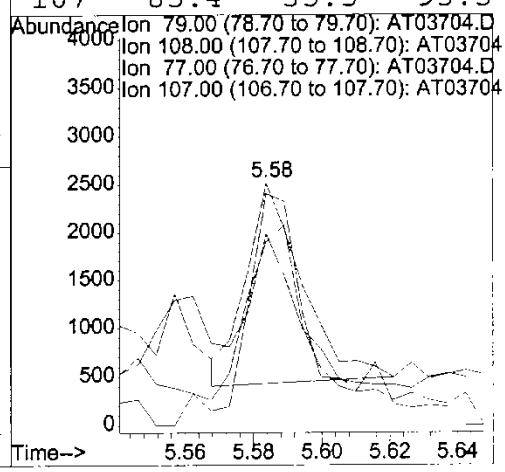
000409

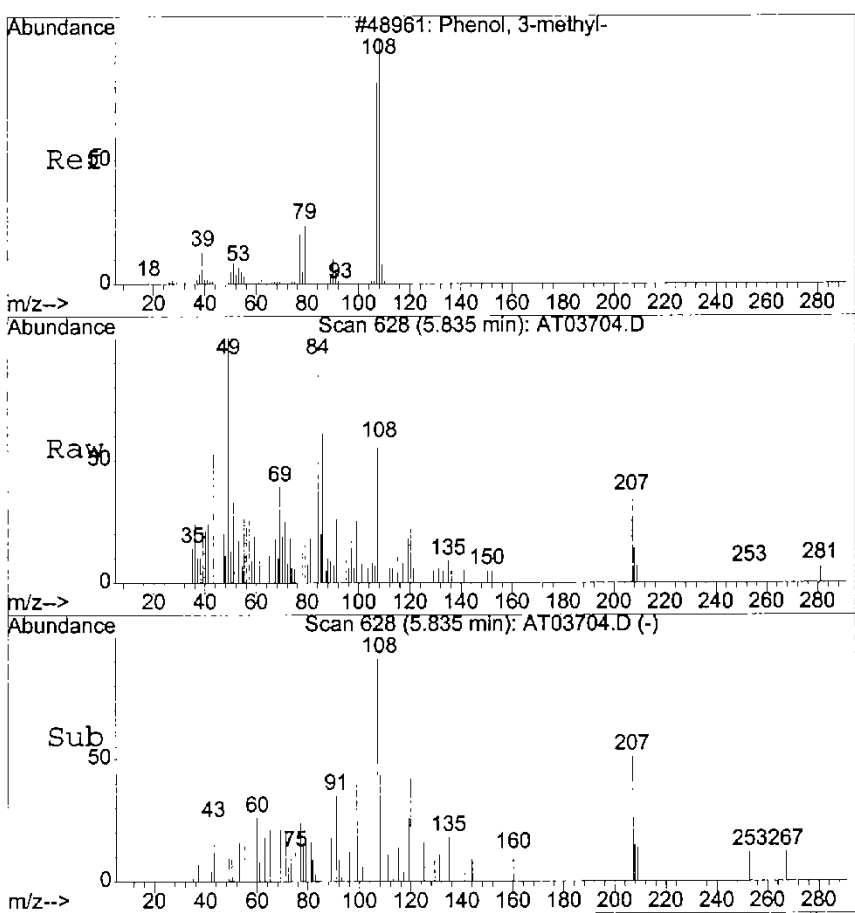


#15
Benzyl alcohol
Concen: 38.02 ug/L
RT: 5.58 min Scan# 581
Delta R.T. 0.02 min
Lab File: AT03704.D
Acq: 1 Mar 2005 3:43 pm

Tgt Ion: 79 Resp: 2372

Ion	Ratio	Lower	Upper
79	100		
108	115.5	62.2	122.2
77	70.5	29.8	89.8
107	85.4	35.5	95.5

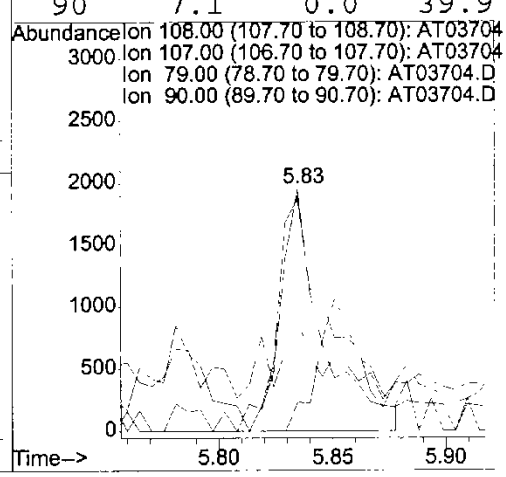


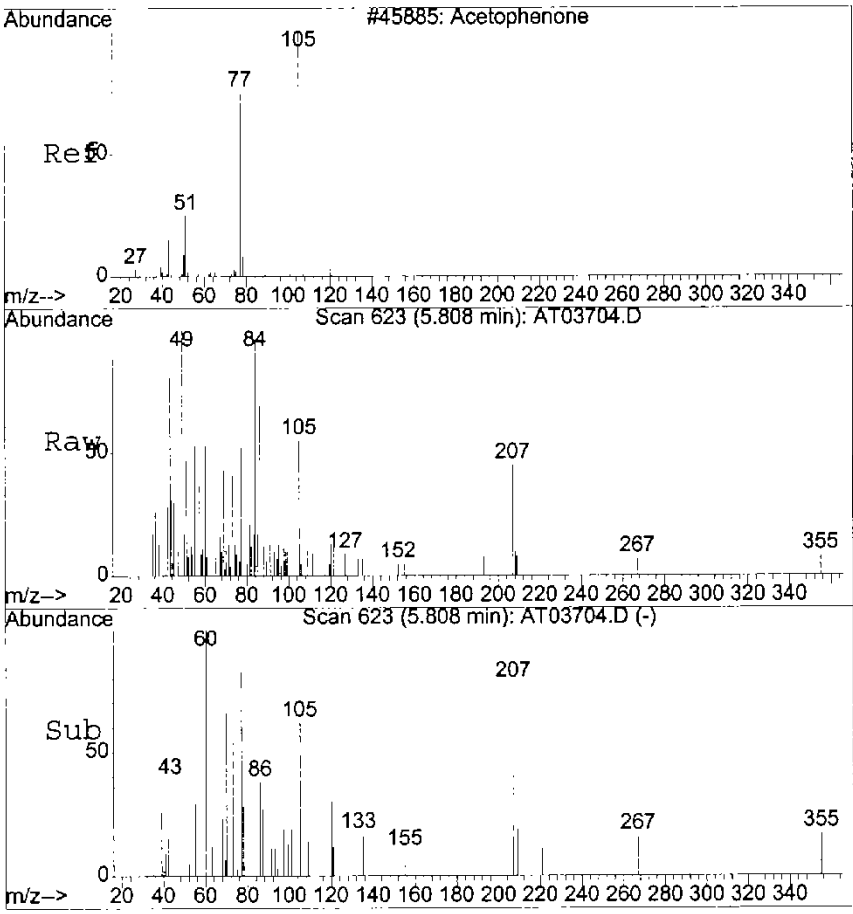


#19
3-&4-Methylphenol
Concen: 38.34 ug/L
RT: 5.83 min Scan# 628
Delta R.T. 0.03 min
Lab File: AT03704.D
Acq: 1 Mar 2005 3:43 pm

Tgt Ion:108 Resp: 2587

Ion	Ratio	Lower	Upper
108	100		
107	84.0	75.6	135.6
79	23.6	0.0	55.6
90	7.1	0.0	39.9

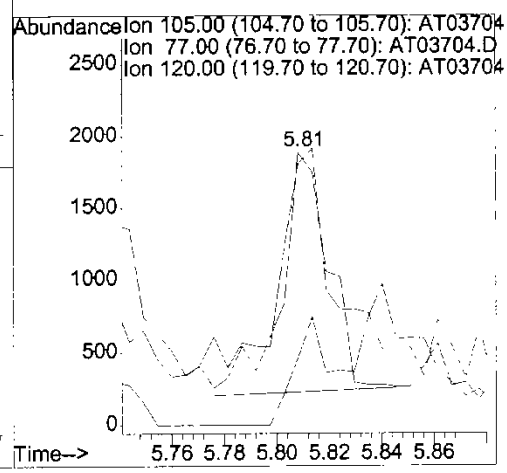


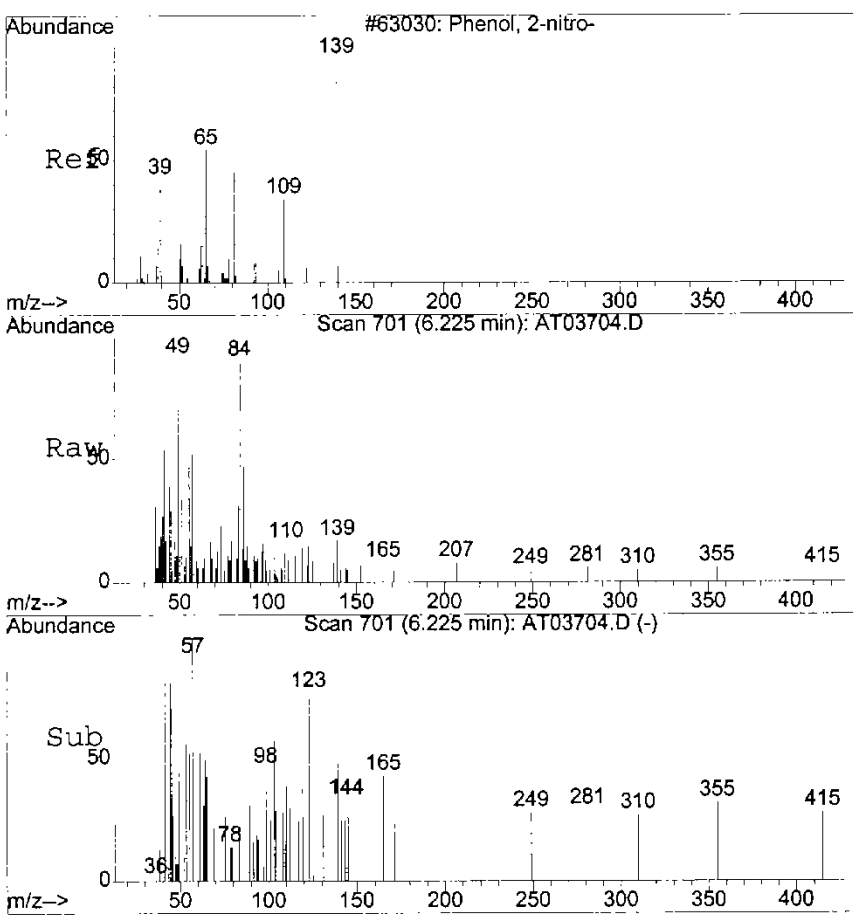


#21
Acetophenone
Concen: 12.19 ul/L
RT: 5.81 min Scan# 623
Delta R.T. 0.02 min
Lab File: AT03704.D
Acq: 1 Mar 2005 3:43 pm

Tgt Ion:105 Resp: 2089

Ion	Ratio	Lower	Upper
105	100		
77	96.1	78.1	138.1
120	38.8	0.5	60.5

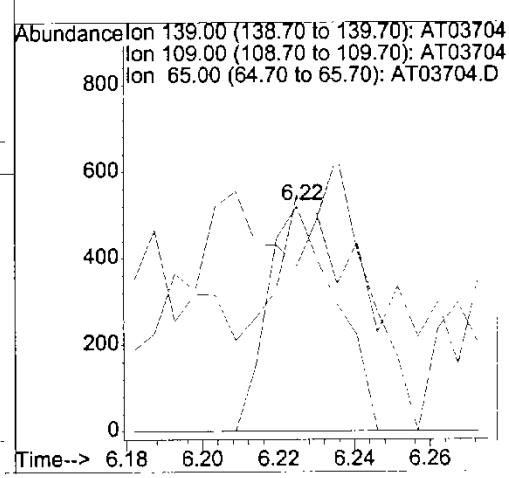




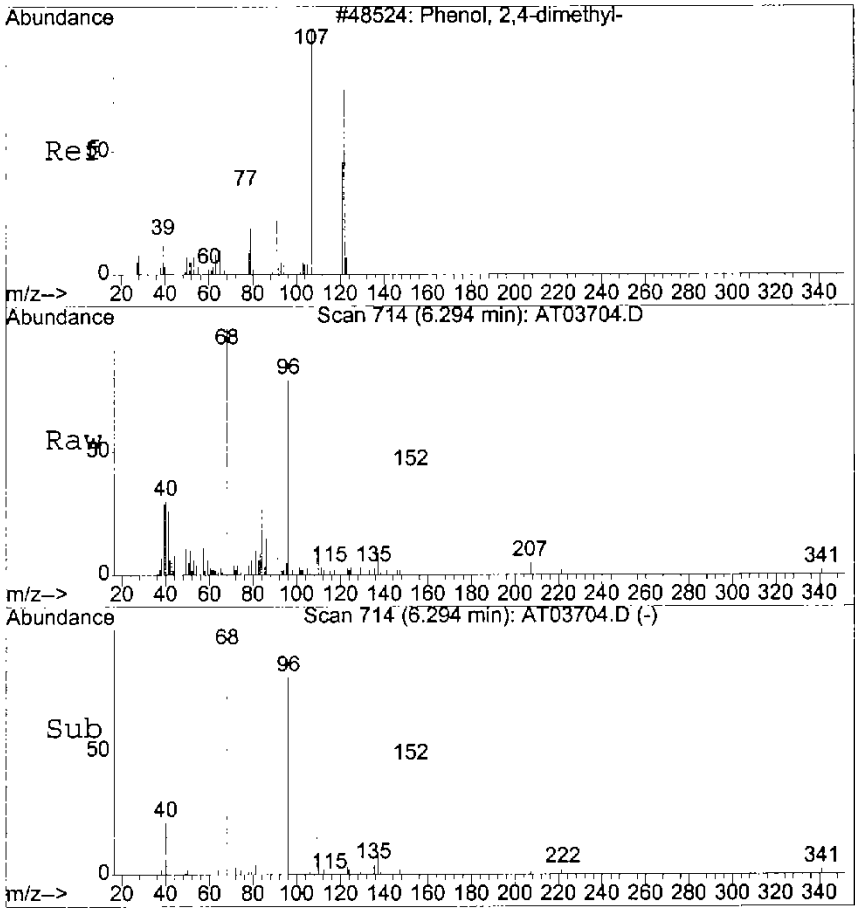
#27
2-Nitrophenol
Concen: 5.94 ug/L
RT: 6.22 min Scan# 701
Delta R.T. -0.01 min
Lab File: AT03704.D
Acq: 1 Mar 2005 3:43 pm

Tgt Ion:139 Resp: 652

Ion	Ratio	Lower	Upper
139	100		
109	6.5	0.0	49.5
65	42.3	4.3	64.3



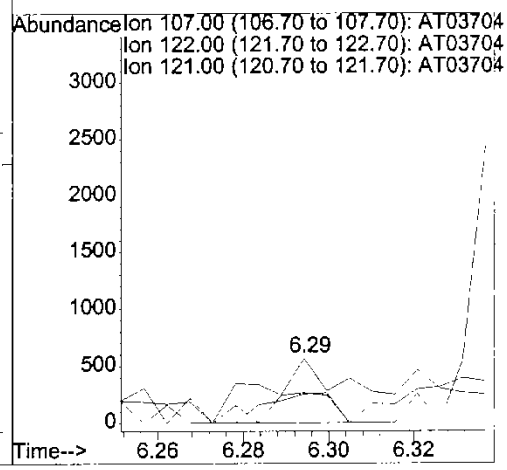
00411

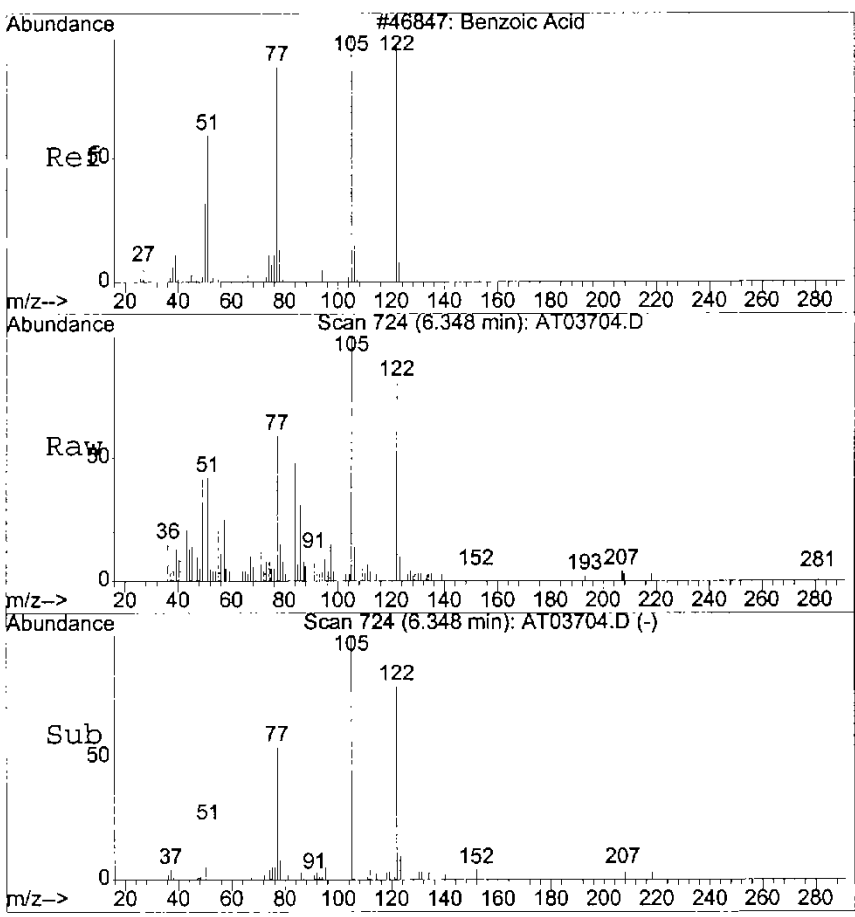


#28
2,4-Dimethylphenol
Concen: 32.18 ug/L
RT: 6.29 min Scan# 714
Delta R.T. 0.01 min
Lab File: AT03704.D
Acq: 1 Mar 2005 3:43 pm

Tgt Ion:107 Resp: 858

Ion	Ratio	Lower	Upper
107	100		
122	60.0	55.5	115.5
121	38.9	23.6	83.6

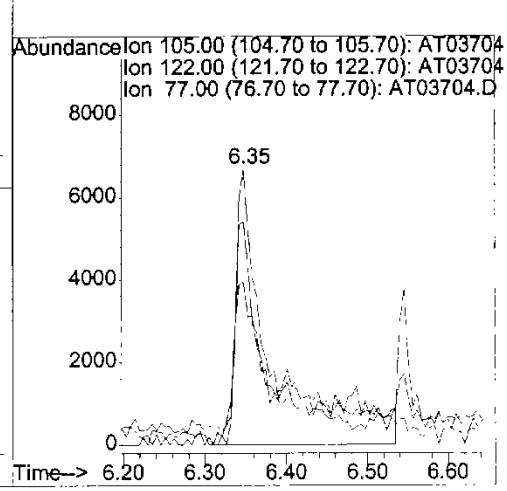




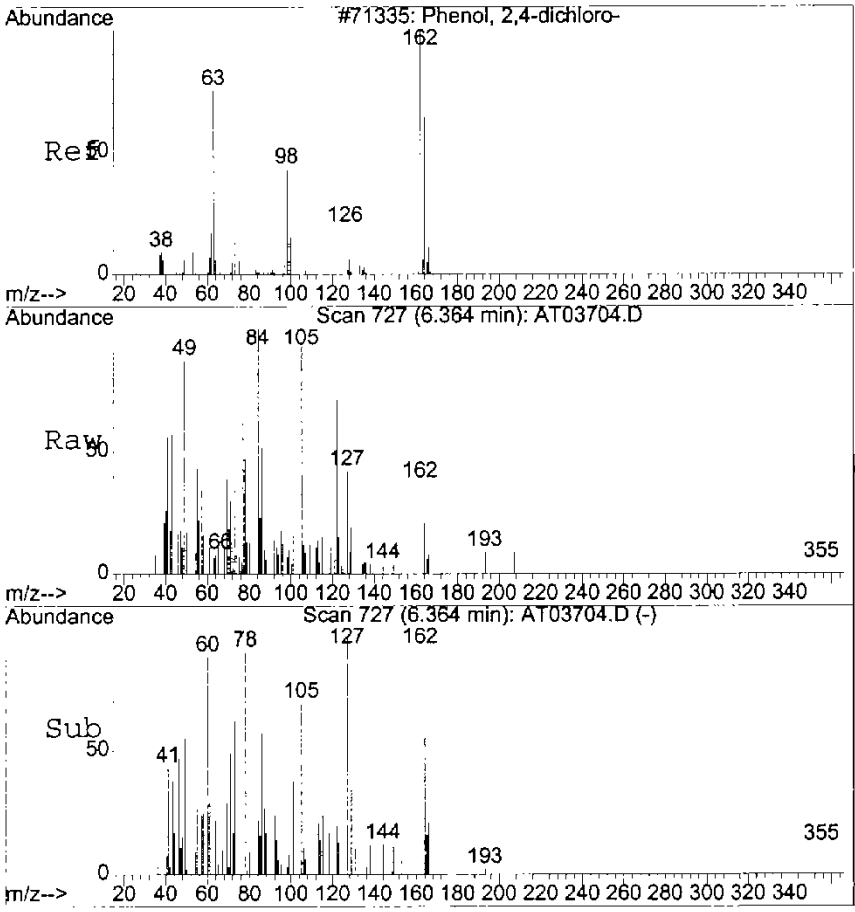
#30
Benzoic Acid
Concen: 549.89 ug/L
RT: 6.35 min Scan# 724
Delta R.T. -0.04 min
Lab File: AT03704.D
Acq: 1 Mar 2005 3:43 pm

Tgt Ion:105 Resp: 21960

Ion	Ratio	Lower	Upper
105	100		
122	83.2	58.0	118.0
77	52.3	34.2	94.2



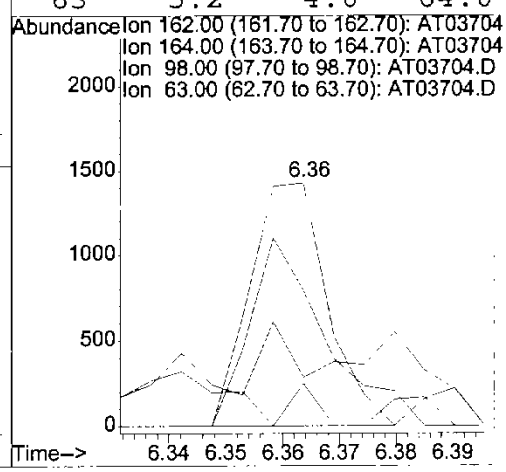
00412

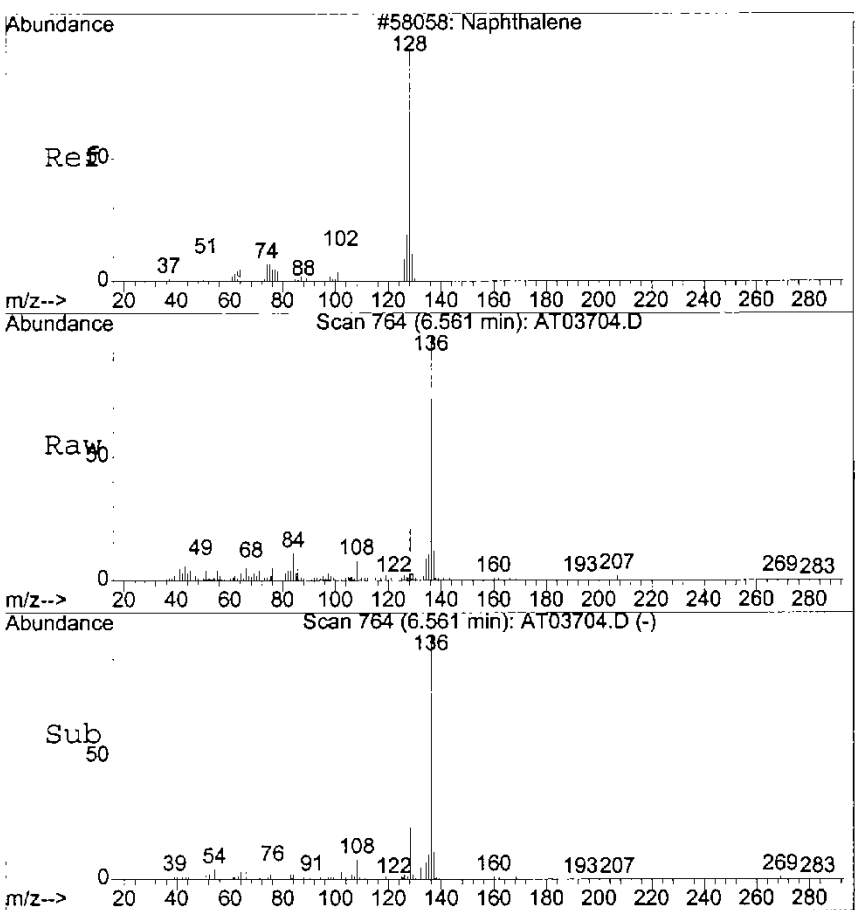


#31
2,4-Dichlorophenol
Concen: 8.31 ug/L
RT: 6.36 min Scan# 727
Delta R.T. -0.07 min
Lab File: AT03704.D
Acq: 1 Mar 2005 3:43 pm

Tgt Ion:162 Resp: 1340

Ion	Ratio	Lower	Upper
162	100		
164	48.1	35.8	95.8
98	0.0	0.0	57.5
63	5.2	4.0	64.0

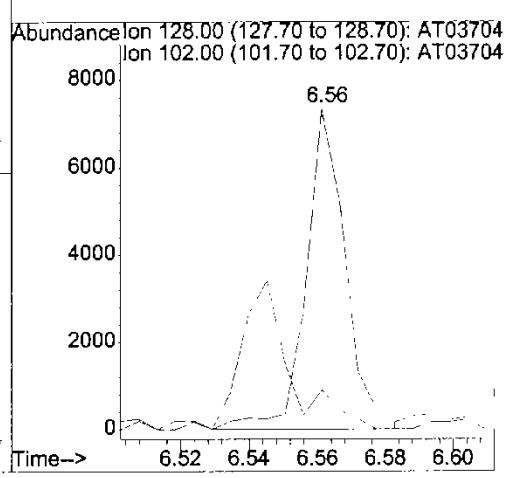


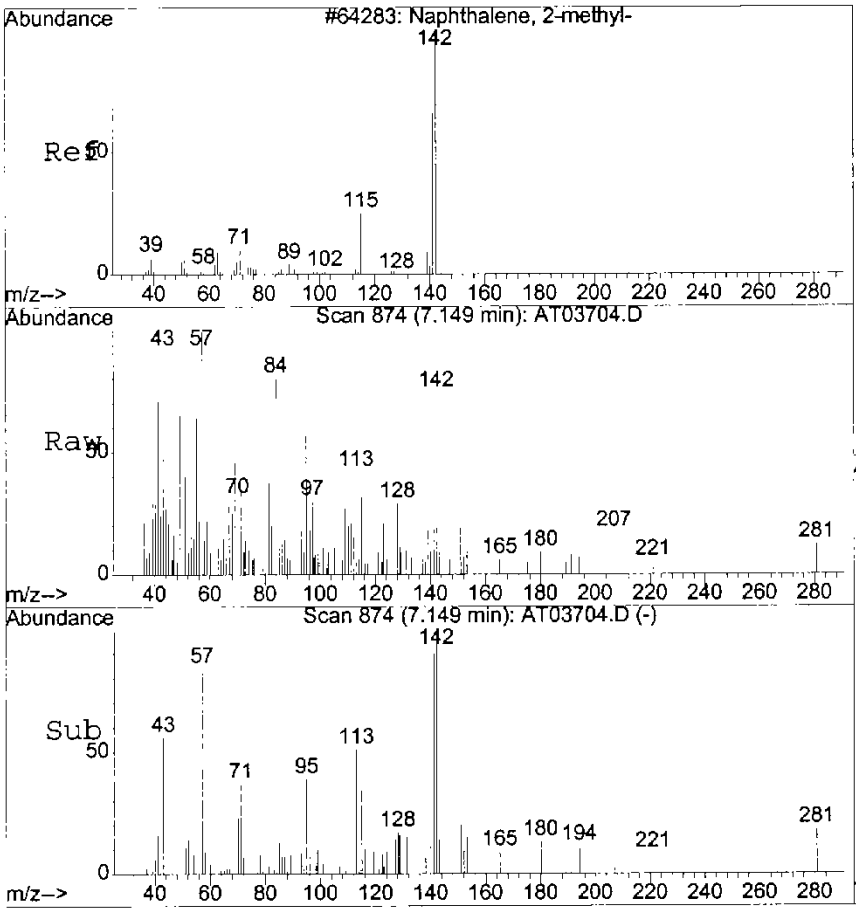


#33
Naphthalene
Concen: 7.86 ug/L
RT: 6.56 min Scan# 764
Delta R.T. 0.00 min
Lab File: AT03704.D
Acq: 1 Mar 2005 3:43 pm

Tgt Ion:128 Resp: 5839

Ion	Ratio	Lower	Upper
128	100		
102	12.5	0.0	37.8

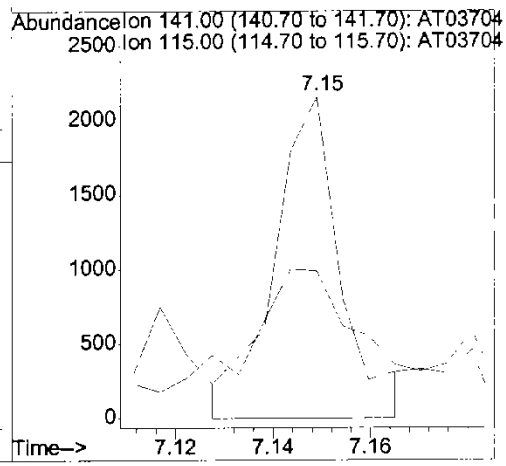


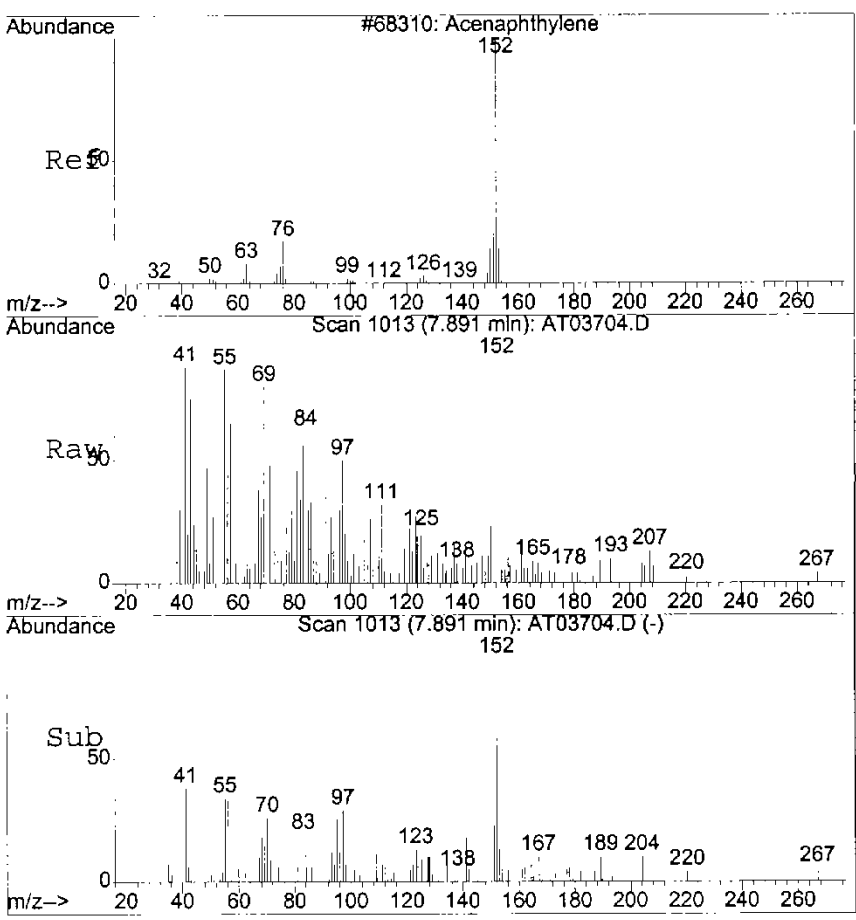


#37
2-Methylnaphthalene
Concen: 5.17 ug/L
RT: 7.15 min Scan# 874
Delta R.T. 0.02 min
Lab File: AT03704.D
Acq: 1 Mar 2005 3:43 pm

Tgt Ion:141 Resp: 2035

Ion	Ratio	Lower	Upper
141	100		
115	31.7	2.2	62.2

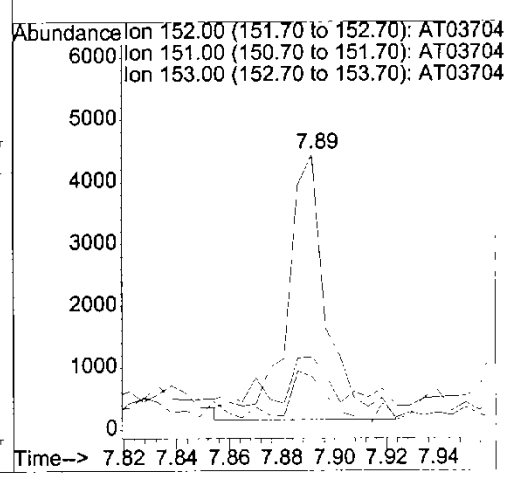


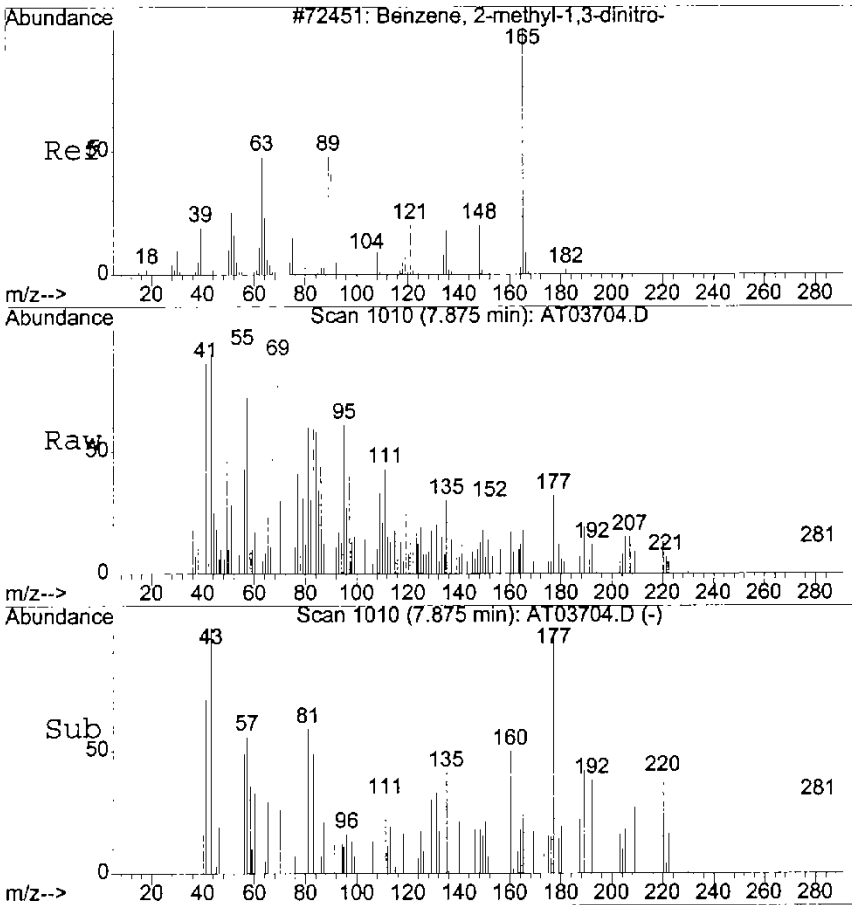


#49
Acenaphthylene
Concen: 6.31 ug/L
RT: 7.89 min Scan# 1013
Delta R.T. 0.00 min
Lab File: AT03704.D
Acq: 1 Mar 2005 3:43 pm

Tgt Ion:152 Resp: 4512

Ion	Ratio	Lower	Upper
152	100		
151	17.5	0.0	49.4
153	12.6	0.0	43.0

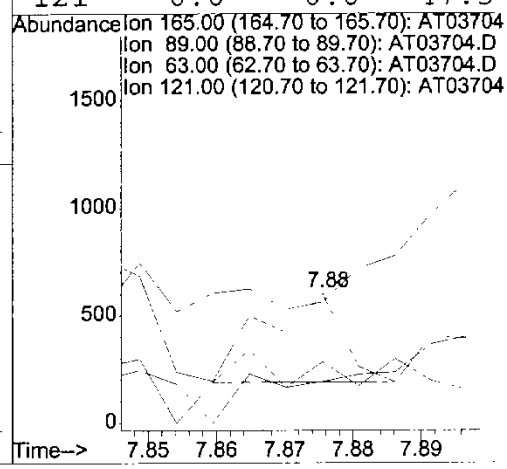


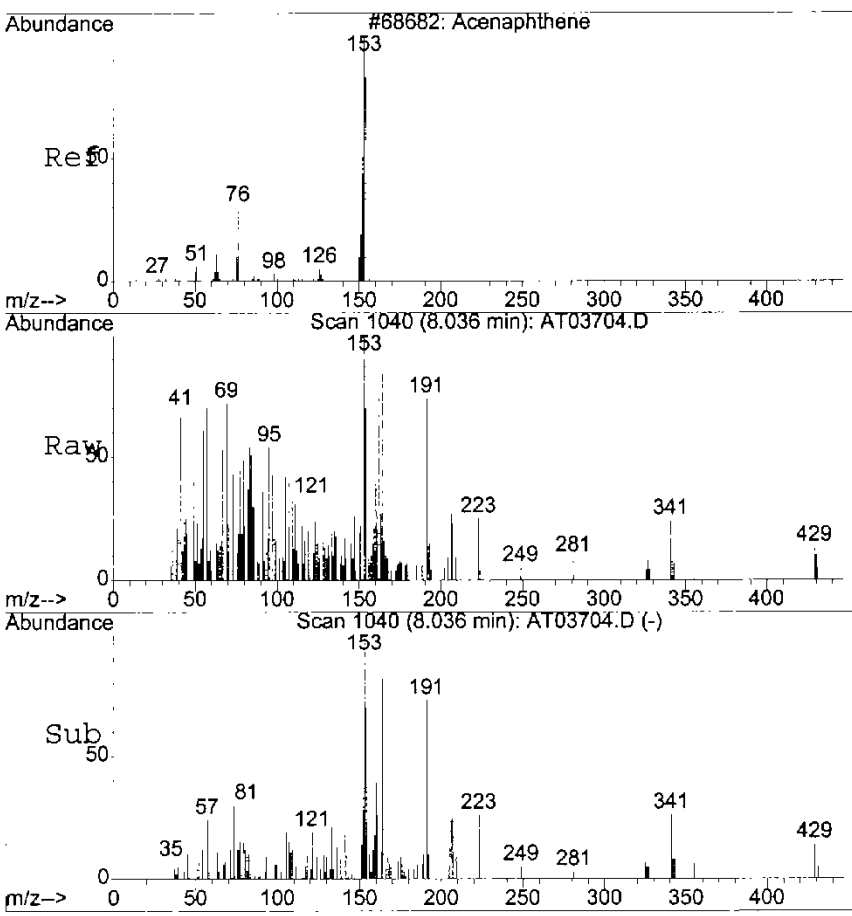


#50
2,6-Dinitrotoluene
Concen: 28.48 ug/L
RT: 7.88 min Scan# 1010
Delta R.T. 0.03 min
Lab File: AT03704.D
Acq: 1 Mar 2005 3:43 pm

Tgt Ion:165 Resp: 330

Ion	Ratio	Lower	Upper
165	100		
89	32.4	8.4	68.4
63	0.0	0.0	45.4
121	0.0	0.0	47.5

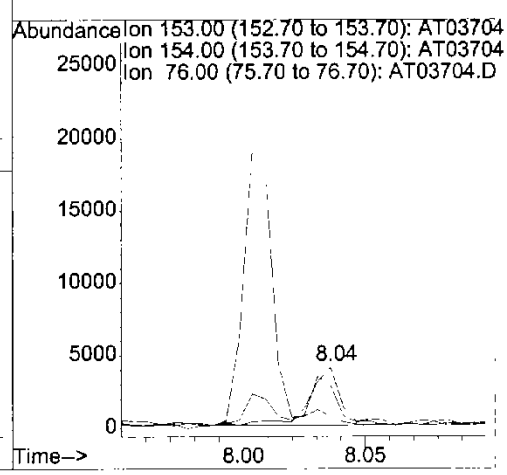


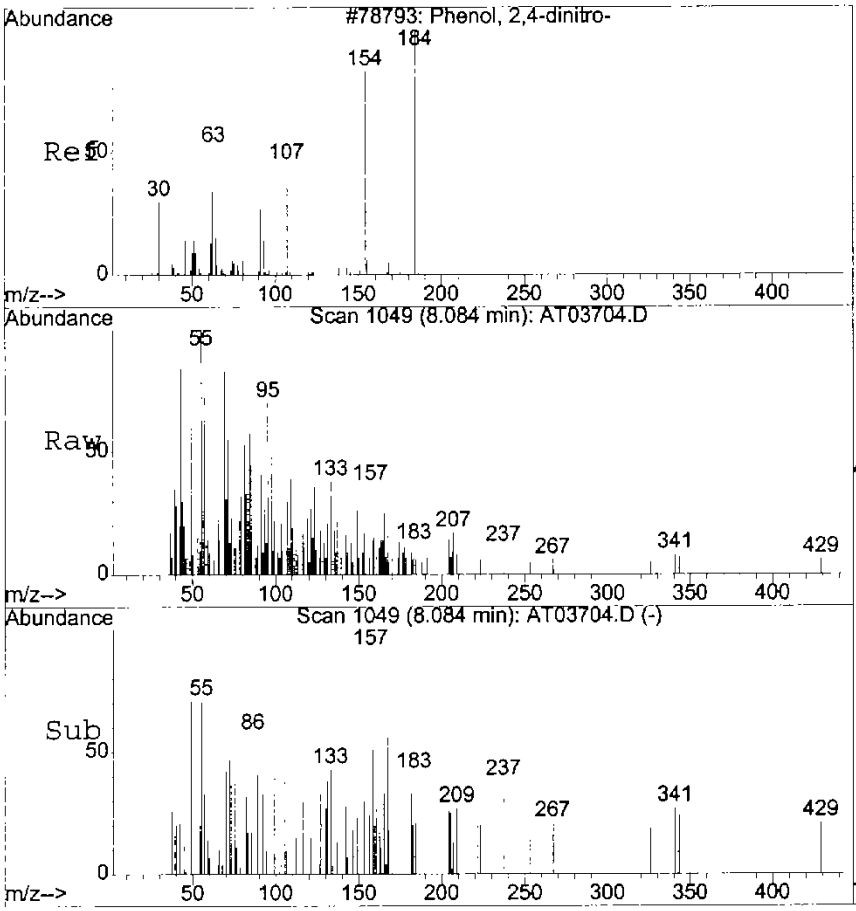


#52
Acenaphthene
Concen: 7.90 ug/L
RT: 8.04 min Scan# 1040
Delta R.T. 0.01 min
Lab File: AT03704.D
Acq: 1 Mar 2005 3:43 pm

Tgt Ion:153 Resp: 3719

Ion	Ratio	Lower	Upper
153	100		
154	68.6	53.5	113.5
76	14.8	0.0	50.2

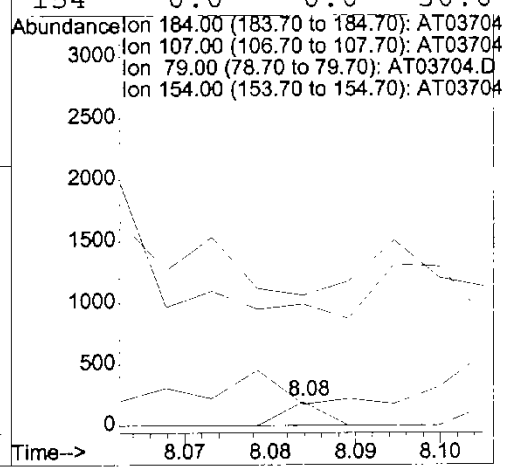


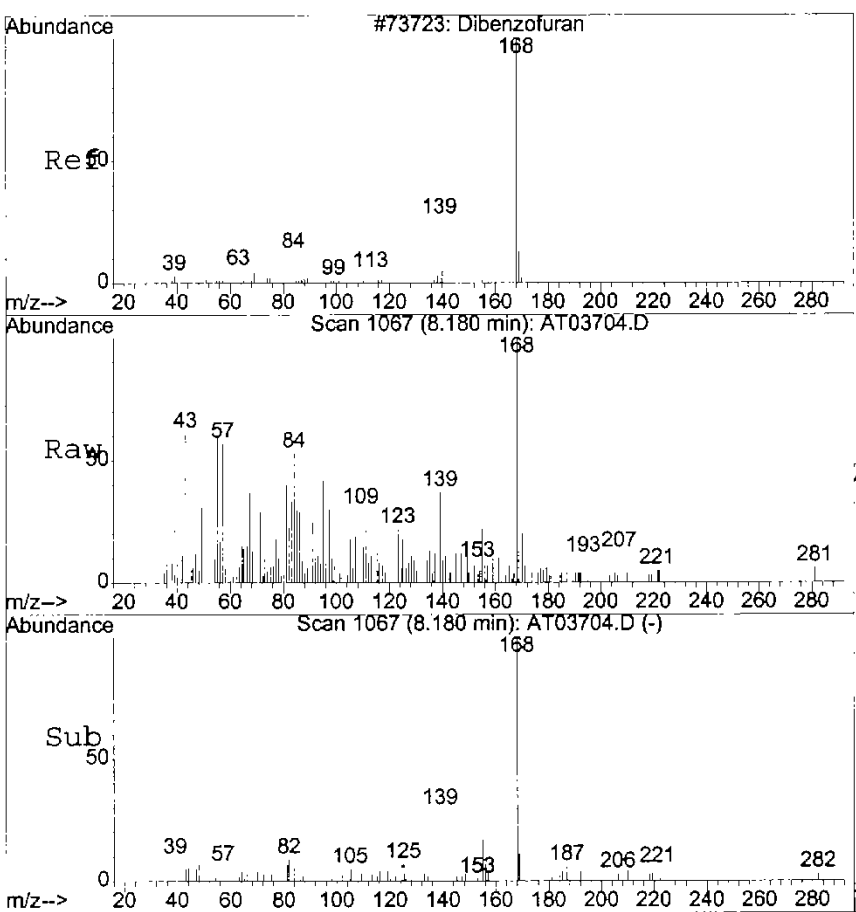


#53
2,4-Dinitrophenol
Concen: 344.39 ug/L
RT: 8.08 min Scan# 1049
Delta R.T. 0.02 min
Lab File: AT03704.D
Acq: 1 Mar 2005 3:43 pm

Tgt Ion:184 Resp: 62

Ion	Ratio	Lower	Upper
184	100		
107	0.0	0.0	58.6
79	0.0	0.0	48.2
154	0.0	0.0	30.0

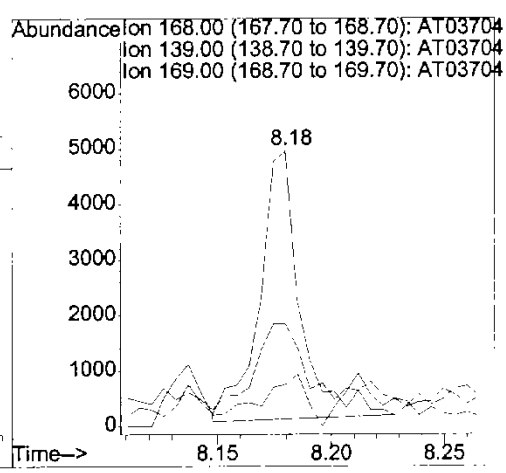


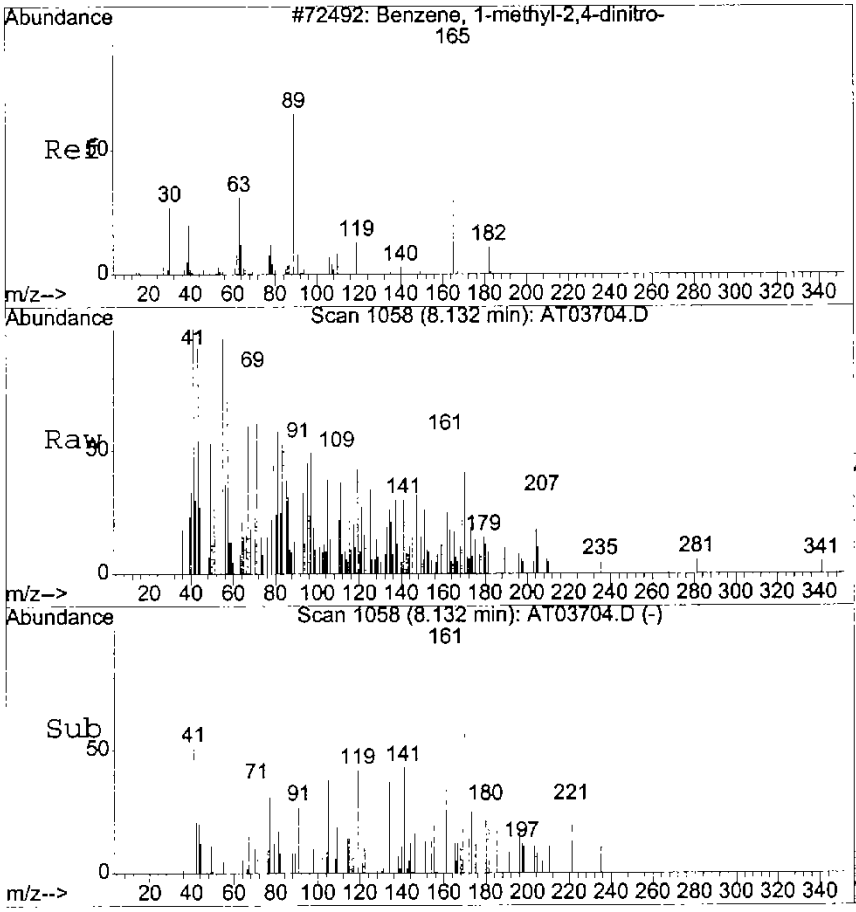


#55
Dibenzofuran
Concen: 9.55 ug/L
RT: 8.18 min Scan# 1067
Delta R.T. 0.01 min
Lab File: AT03704.D
Acq: 1 Mar 2005 3:43 pm

Tgt Ion:168 Resp: 6025

Ion	Ratio	Lower	Upper
168	100		
139	30.5	0.6	60.6
169	8.6	0.0	42.8

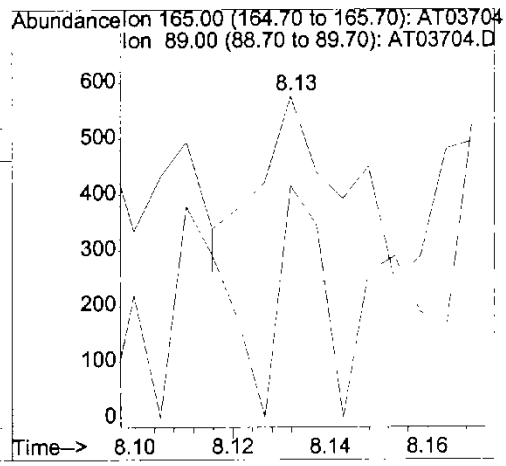


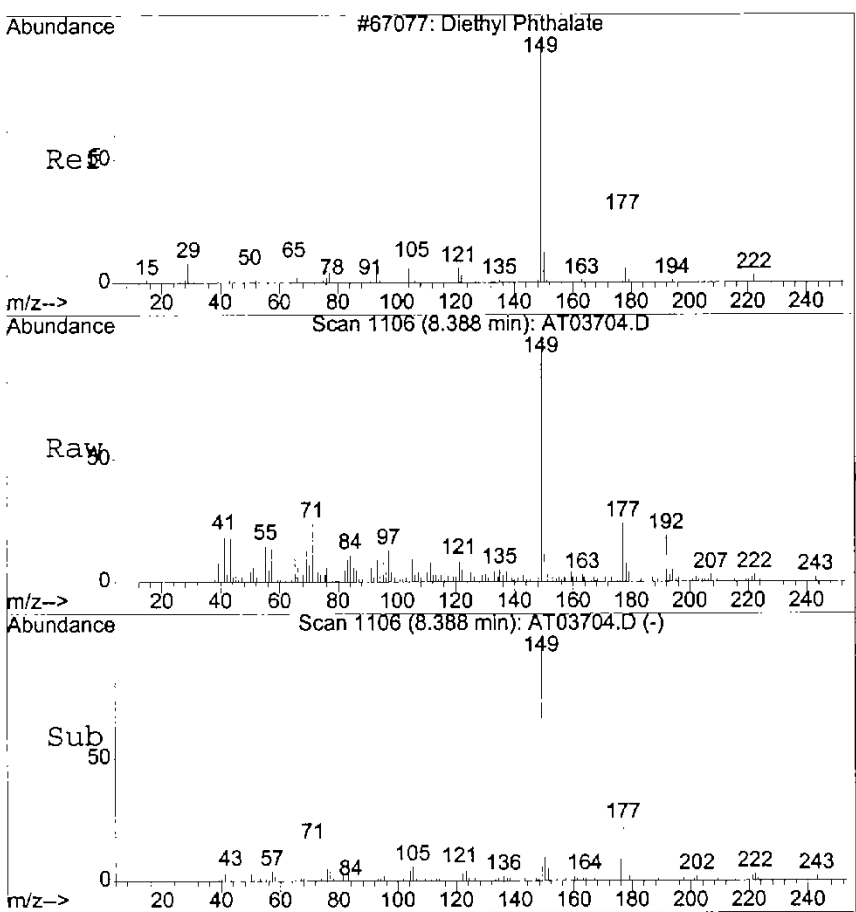


#56
2,4-Dinitrotoluene
Concen: 33.64 ug/L
RT: 8.13 min Scan# 1058
Delta R.T. -0.03 min
Lab File: AT03704.D
Acq: 1 Mar 2005 3:43 pm

Tgt Ion:165 Resp: 381

Ion	Ratio	Lower	Upper
165	100		
89	44.1	22.1	82.1

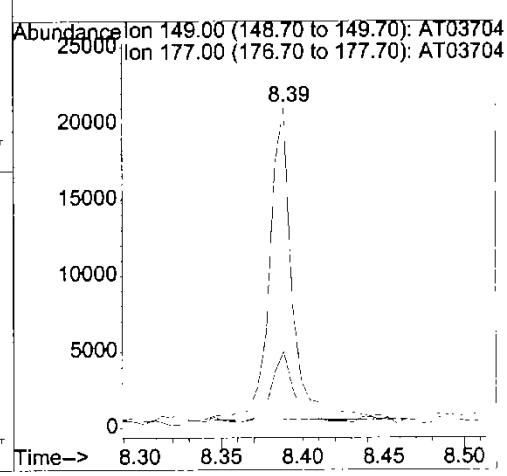


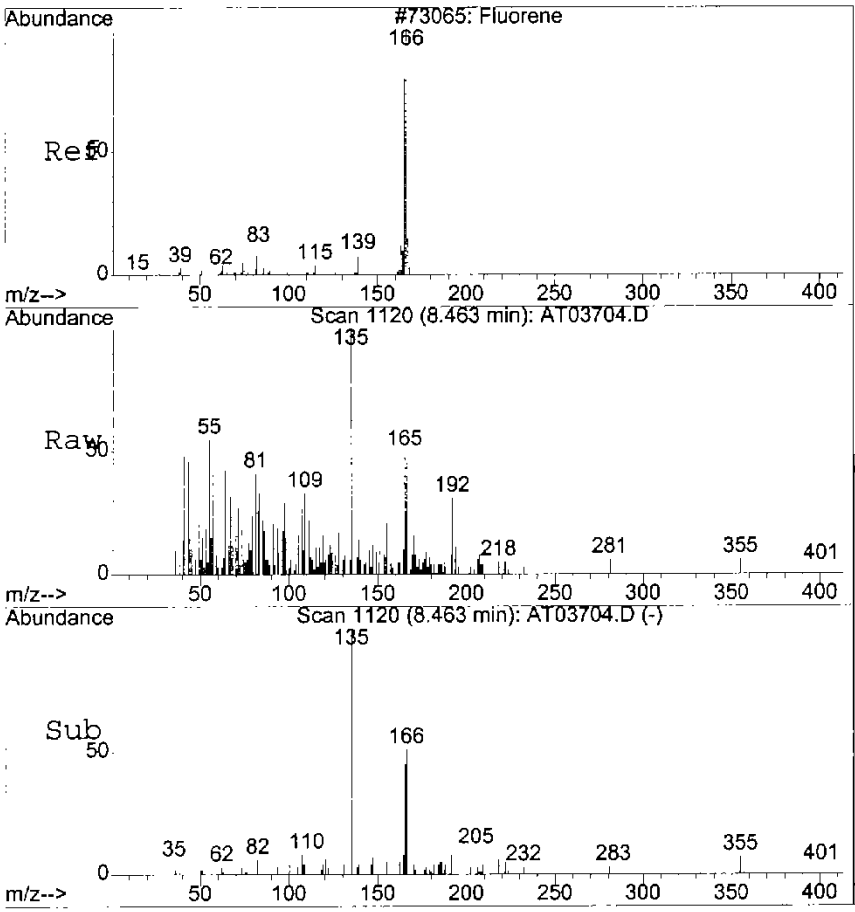


#59
Diethylphthalate
Concen: 38.70 ug/L
RT: 8.39 min Scan# 1106
Delta R.T. 0.01 min
Lab File: AT03704.D
Acq: 1 Mar 2005 3:43 pm

Tgt Ion:149 Resp: 19942

Ion	Ratio	Lower	Upper
149	100		
177	22.2	0.0	53.1

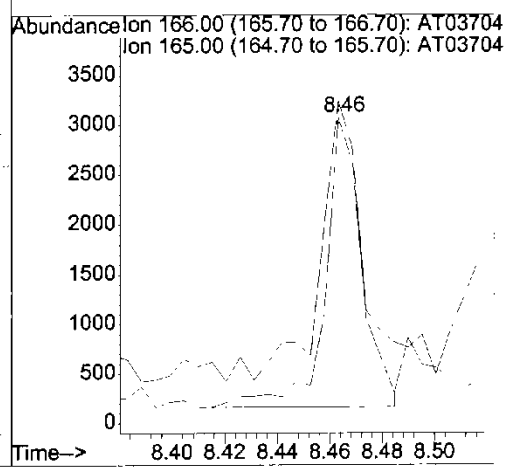


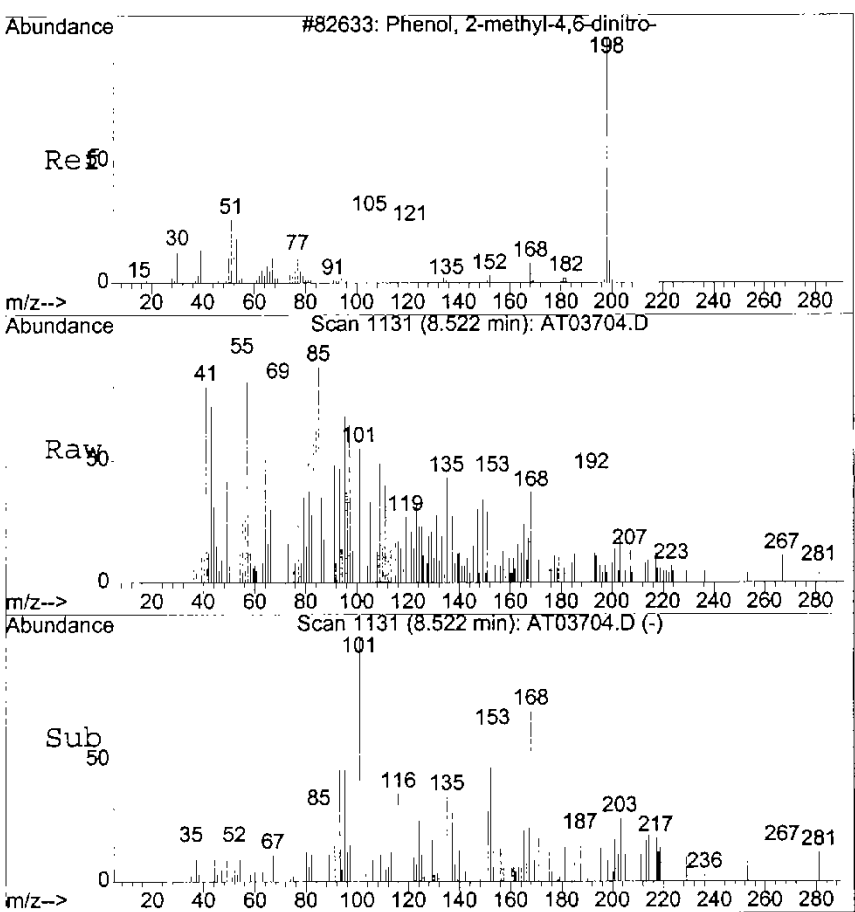


#60
Fluorene
Concen: 5.84 ug/L
RT: 8.46 min Scan# 1120
Delta R.T. 0.00 min
Lab File: AT03704.D
Acq: 1 Mar 2005 3:43 pm

Tgt Ion:166 Resp: 2837

Ion	Ratio	Lower	Upper
166	100		
165	88.9	65.1	125.1

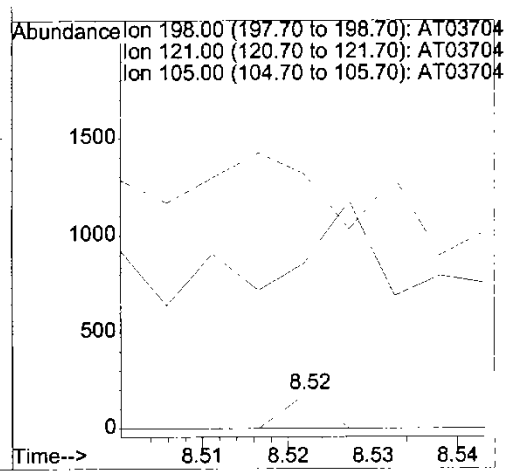


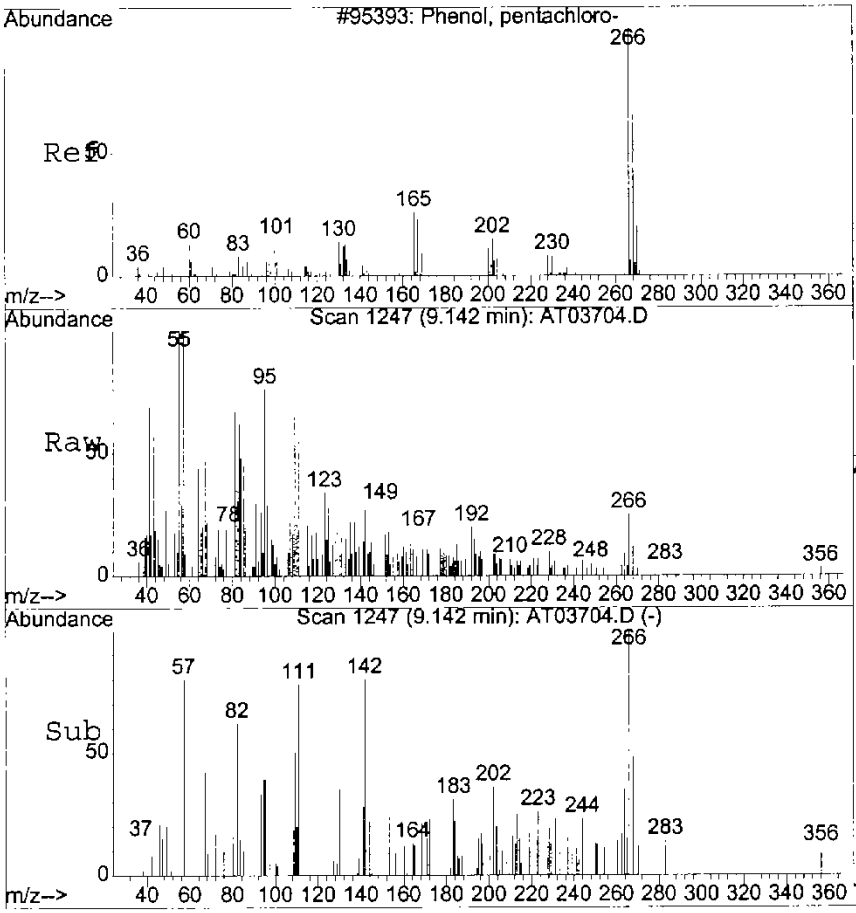


#64
4,6-Dinitro-2-methylphenol
Concen: 384.13 ug/L
RT: 8.52 min Scan# 1131
Delta R.T. 0.01 min
Lab File: AT03704.D
Acq: 1 Mar 2005 3:43 pm

Tgt Ion:198 Resp: 55

Ion	Ratio	Lower	Upper
198	100		
121	33.8	1.1	61.1
105	12.1	3.7	63.7

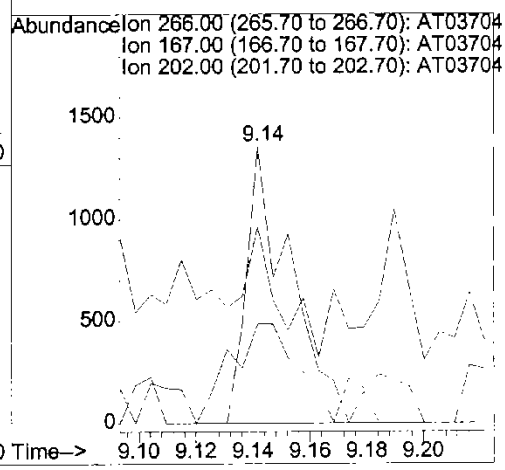


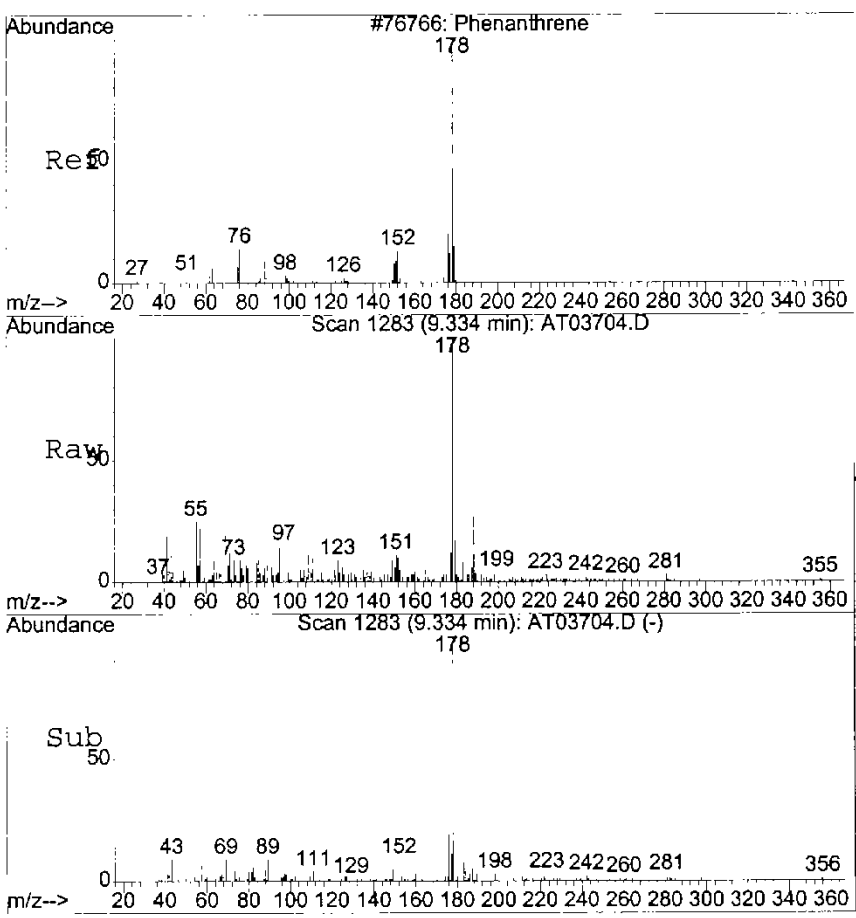


#70
Pentachlorophenol
Concen: 17.56 ug/L
RT: 9.14 min Scan# 1247
Delta R.T. 0.02 min
Lab File: AT03704.D
Acq: 1 Mar 2005 3:43 pm

Tgt Ion:266 Resp: 1484

Ion	Ratio	Lower	Upper
266	100		
167	8.2	2.3	62.3
202	22.5	0.0	49.2

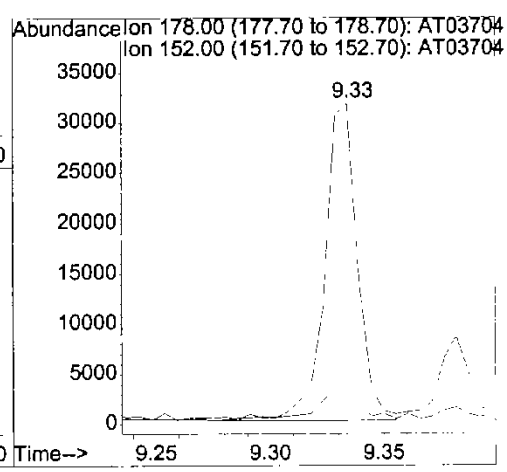


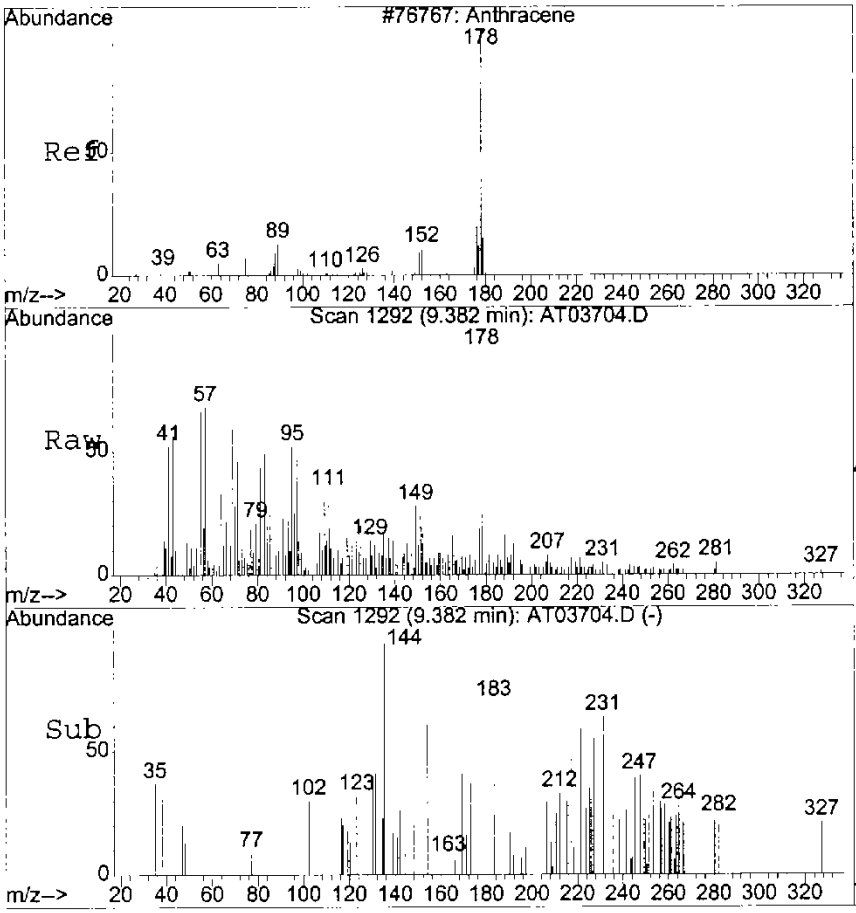


#71
Phenanthrene
Concen: 41.64 ug/L
RT: 9.33 min Scan# 1283
Delta R.T. 0.01 min
Lab File: AT03704.D
Acq: 1 Mar 2005 3:43 pm

Tgt Ion:178 Resp: 31801

Ion	Ratio	Lower	Upper
178	100		
152	8.5	0.0	38.6

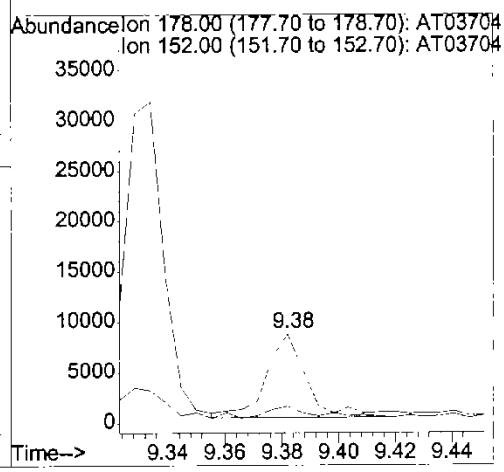


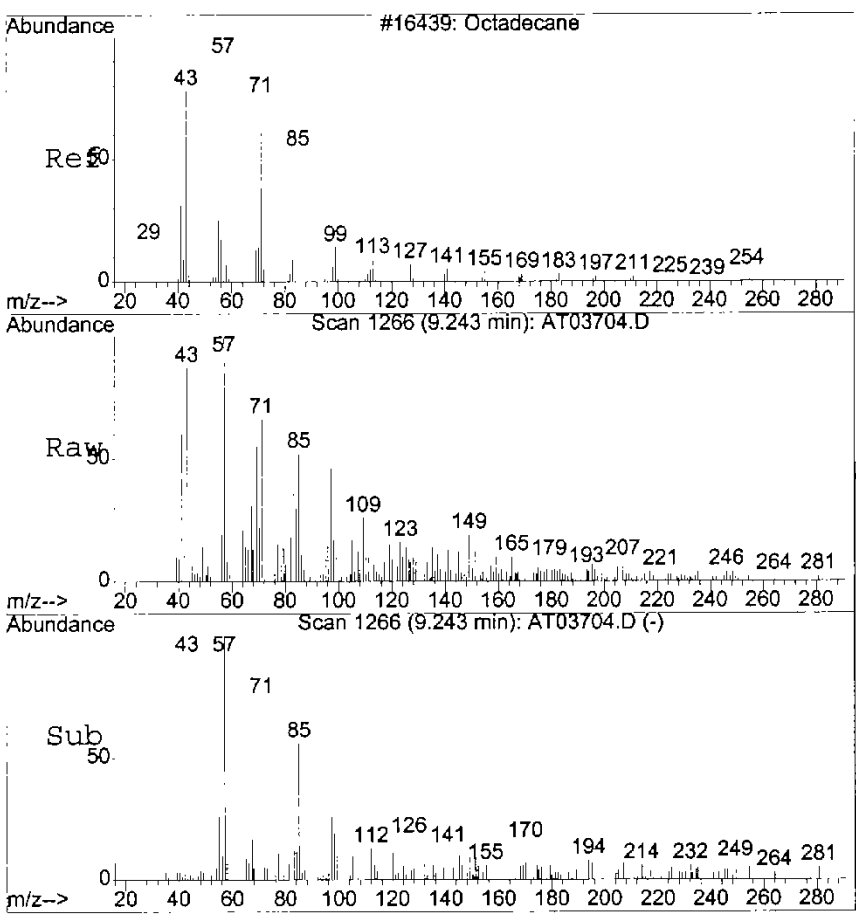


#72
Anthracene
Concen: 11.20 ug/L
RT: 9.38 min Scan# 1292
Delta R.T. 0.01 min
Lab File: AT03704.D
Acq: 1 Mar 2005 3:43 pm

Tgt Ion:178 Resp: 7756

Ion	Ratio	Lower	Upper
178	100		
152	10.9	0.0	37.1

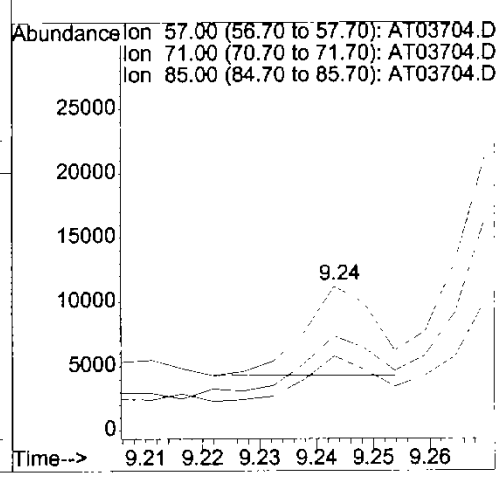


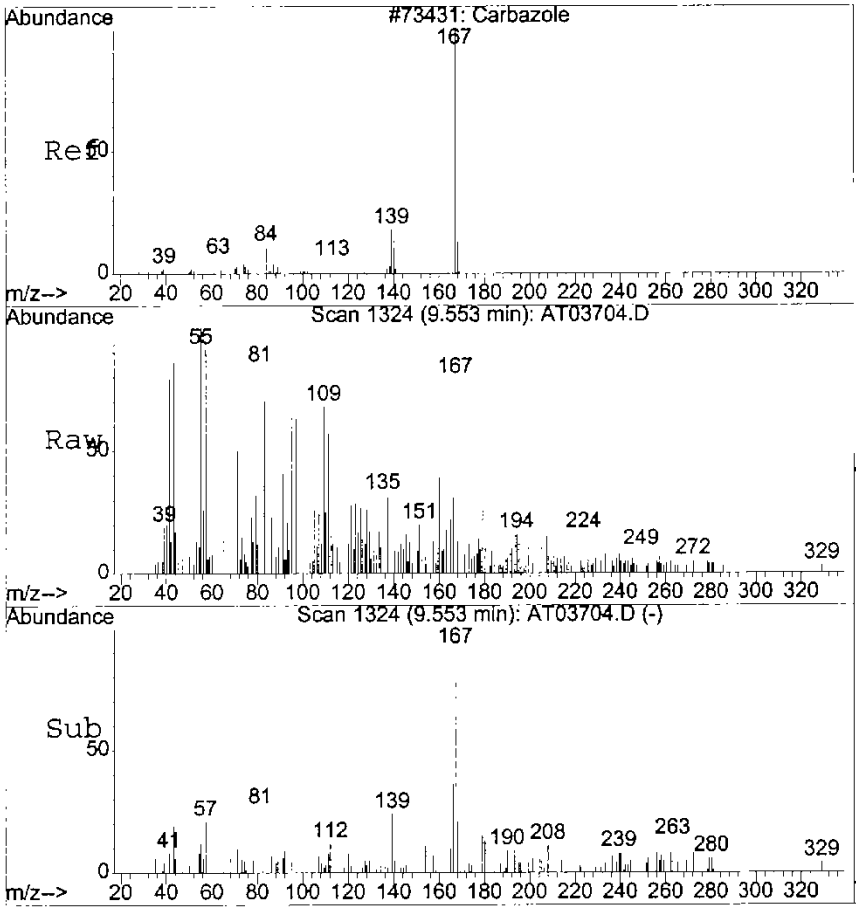


#73
Octadecane
Concen: 27.62 ul/L
RT: 9.24 min Scan# 1266
Delta R.T. 0.00 min
Lab File: AT03704.D
Acq: 1 Mar 2005 3:43 pm

Tgt Ion: 57 Resp: 6121

Ion	Ratio	Lower	Upper
57	100		
71	84.2	51.7	96.1
85	50.0	37.4	69.4

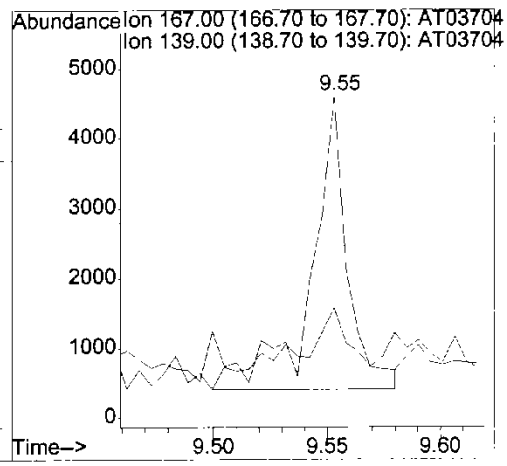


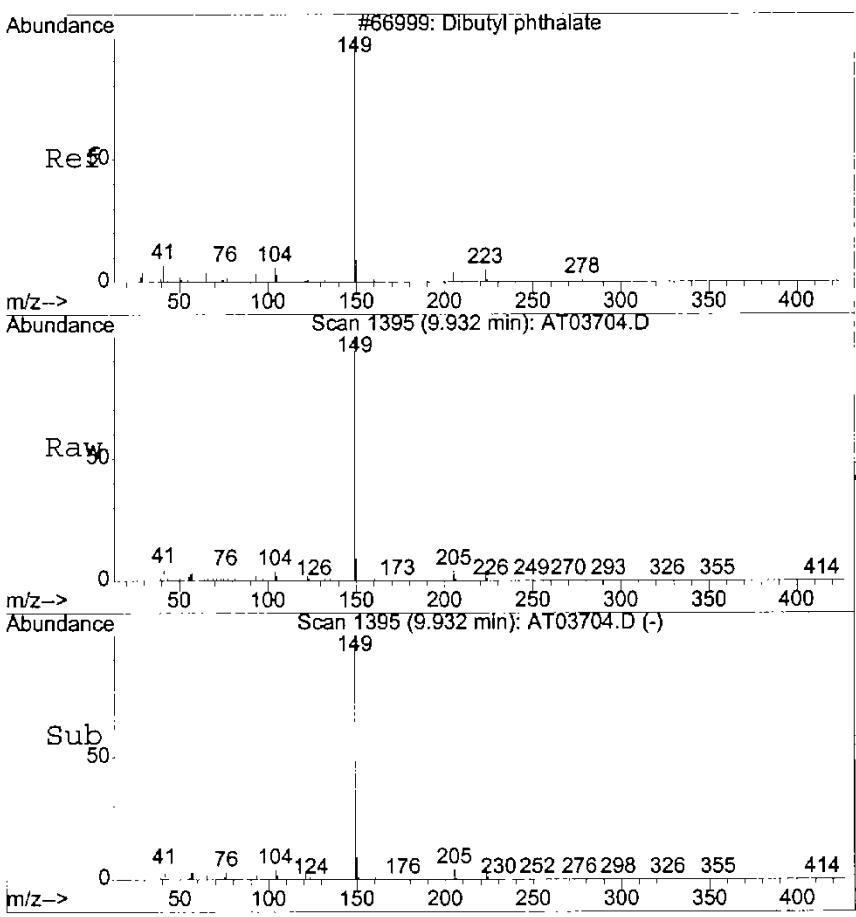


#74
Carbazole
Concen: 10.01 ug/L
RT: 9.55 min Scan# 1324
Delta R.T. 0.01 min
Lab File: AT03704.D
Acq: 1 Mar 2005 3:43 pm

Tgt Ion:167 Resp: 4694

Ion	Ratio	Lower	Upper
167	100		
139	8.5	0.0	42.1

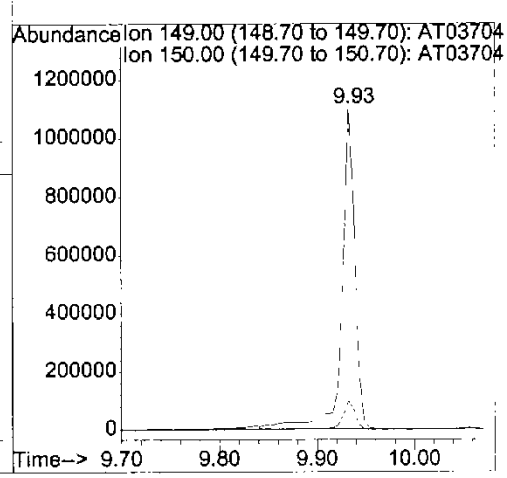


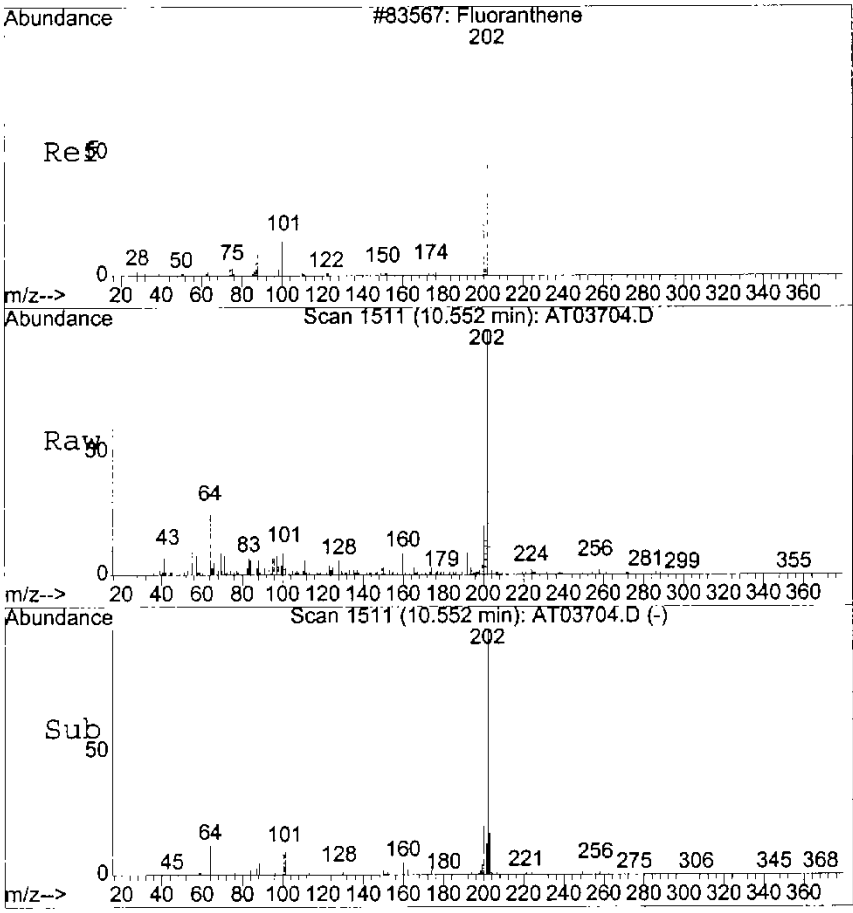


#75
Di-n-butylphthalate
Concen: 1288.57 ug/L
RT: 9.93 min Scan# 1395
Delta R.T. 0.00 min
Lab File: AT03704.D
Acq: 1 Mar 2005 3:43 pm

Tgt Ion:149 Resp: 1057917

Ion	Ratio	Lower	Upper
149	100		
150	8.9	0.0	38.8

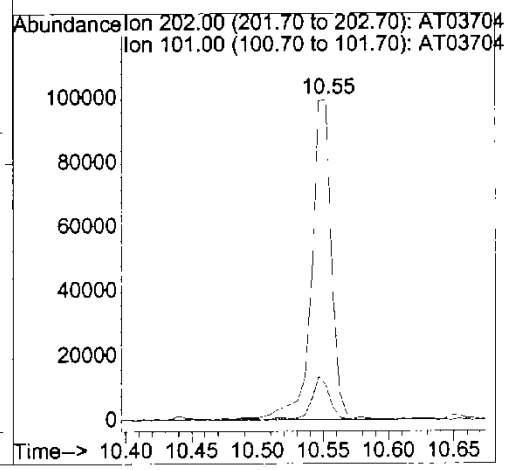


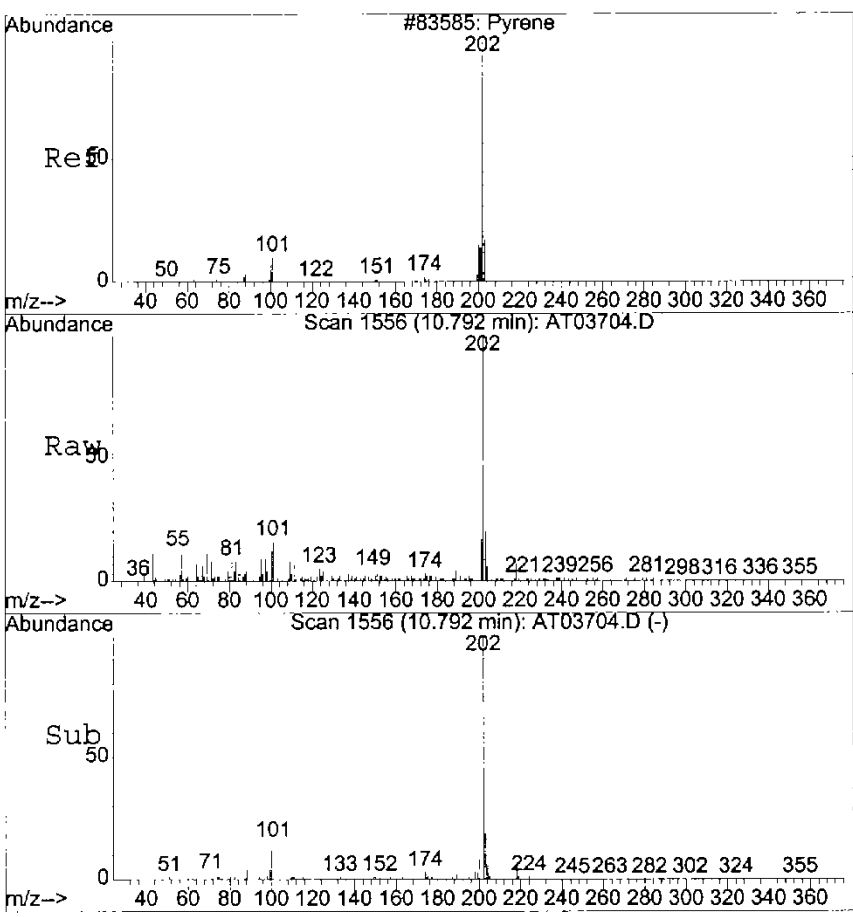


#76
Fluoranthene
Concen: 136.24 ug/L
RT: 10.55 min Scan# 1511
Delta R.T. 0.01 min
Lab File: AT03704.D
Acq: 1 Mar 2005 3:43 pm

Tgt Ion:202 Resp: 106206

Ion	Ratio	Lower	Upper
202	100		
101	10.8	0.0	43.1

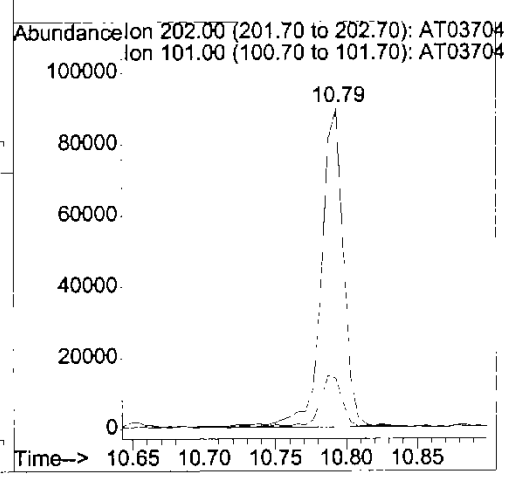


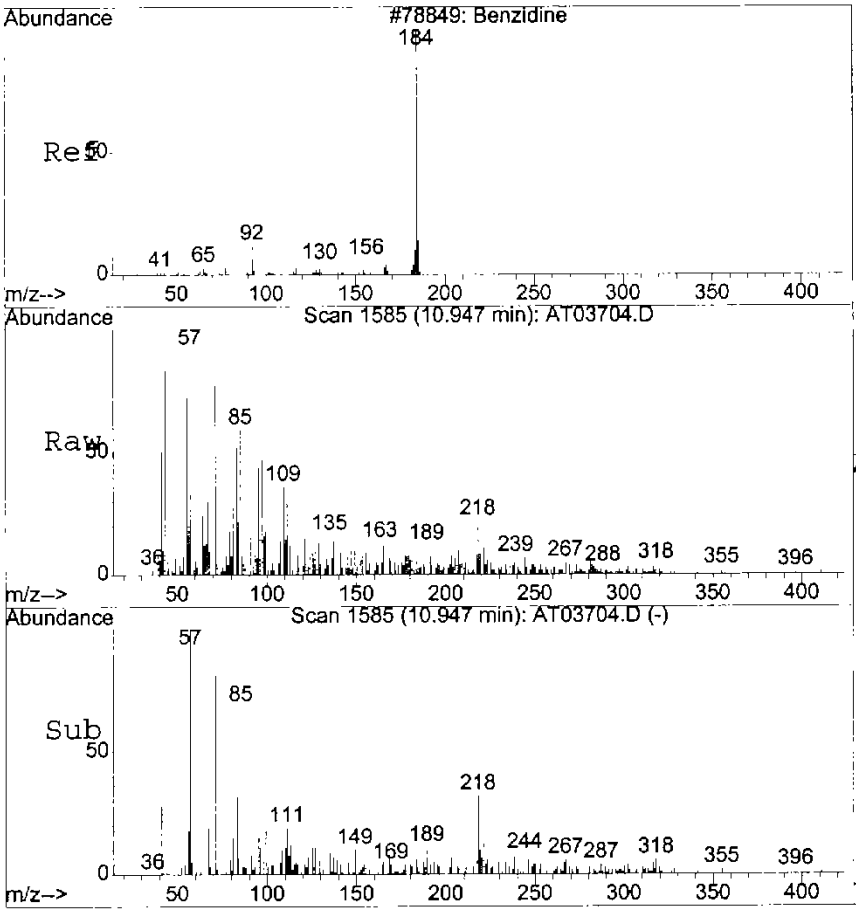


#77
Pyrene
Concen: 121.83 ug/L
RT: 10.79 min Scan# 1556
Delta R.T. 0.01 min
Lab File: AT03704.D
Acq: 1 Mar 2005 3:43 pm

Tgt Ion:202 Resp: 98509

Ion	Ratio	Lower	Upper
202	100		
101	15.1	0.0	44.9

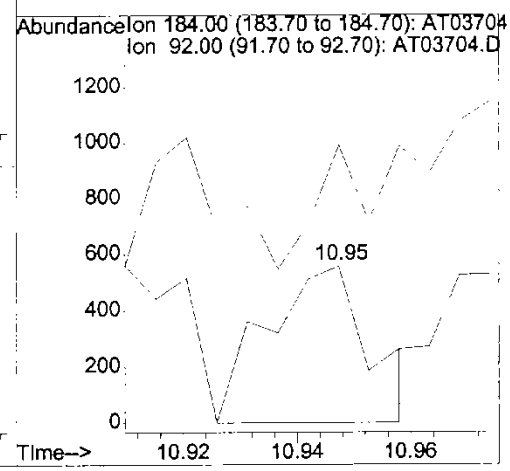


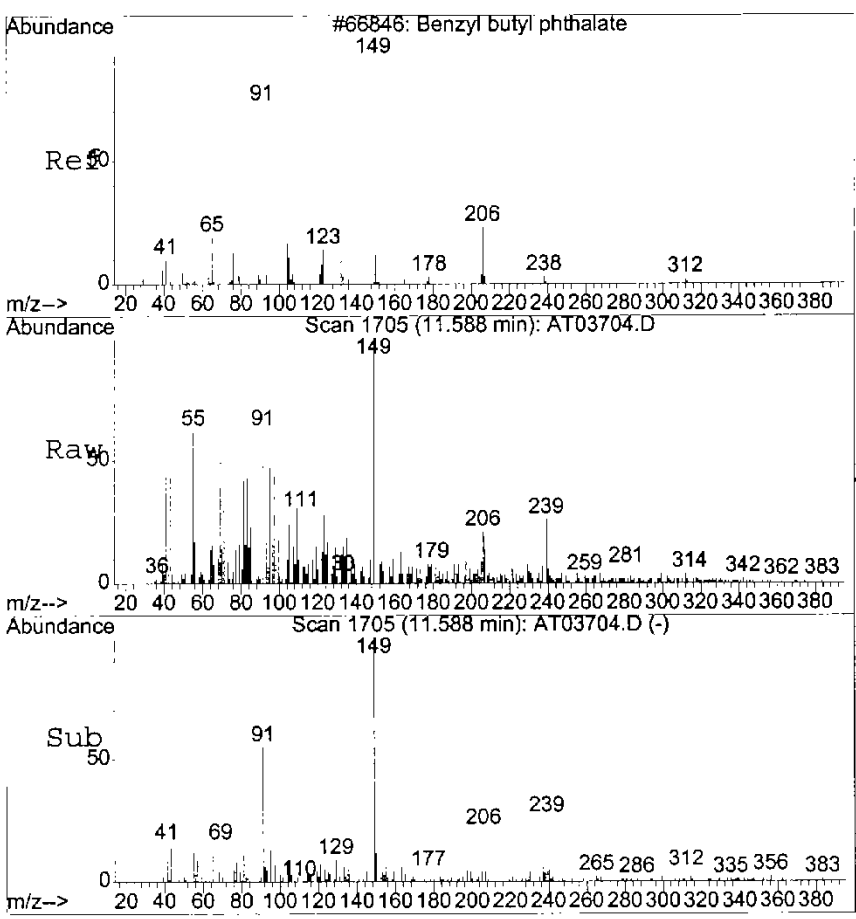


#78
Benzidine
Concen: 6.37 ul/l
RT: 10.95 min Scan# 1585
Delta R.T. 0.23 min
Lab File: AT03704.D
Acq: 1 Mar 2005 3:43 pm

Tgt Ion:184 Resp: 706

Ion	Ratio	Lower	Upper
184	100		
92	35.3	0.0	39.3

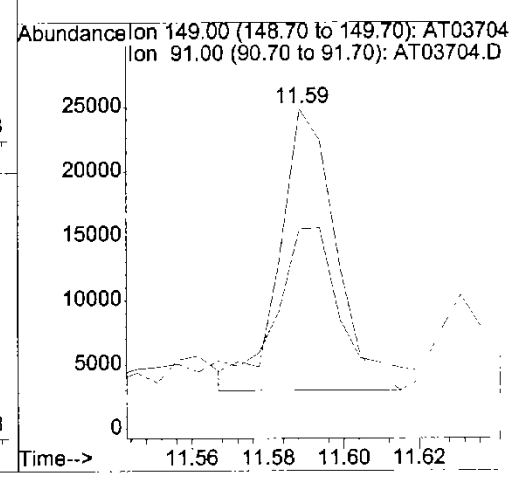


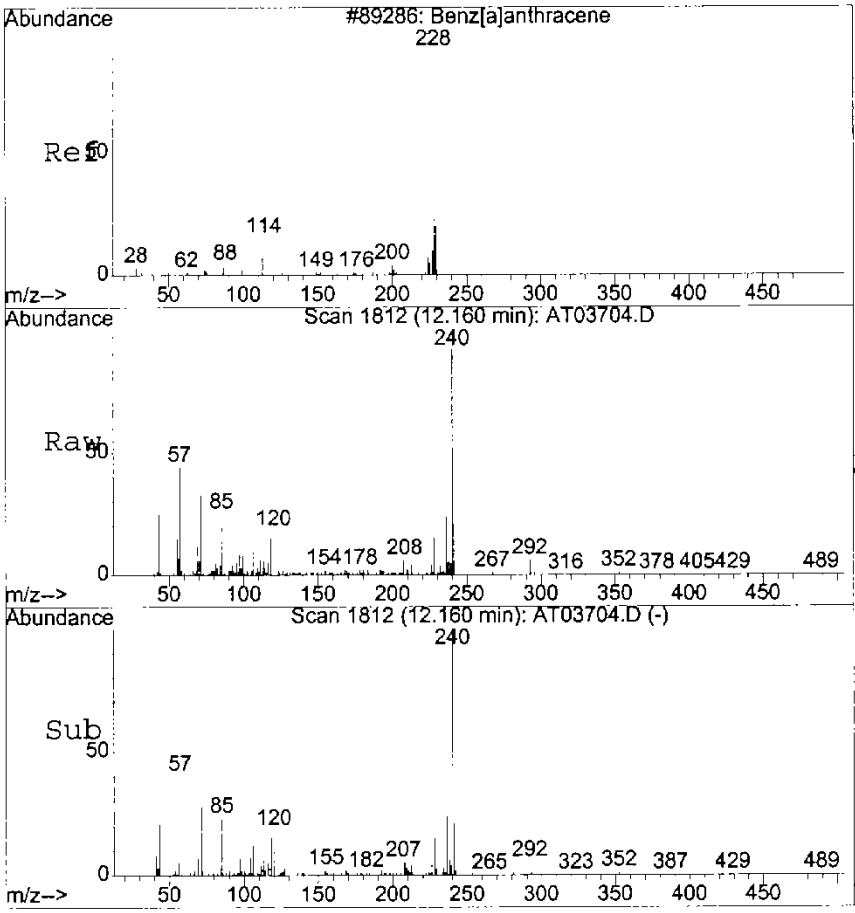


#81
Butylbenzylphthalate
Concen: 133.11 ug/L
RT: 11.59 min Scan# 1705
Delta R.T. 0.01 min
Lab File: AT03704.D
Acq: 1 Mar 2005 3:43 pm

Tgt Ion:149 Resp: 22097

Ion	Ratio	Lower	Upper
149	100		
91	49.8	30.6	90.6

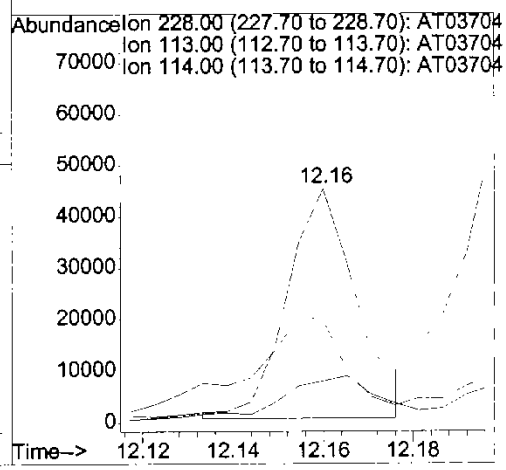


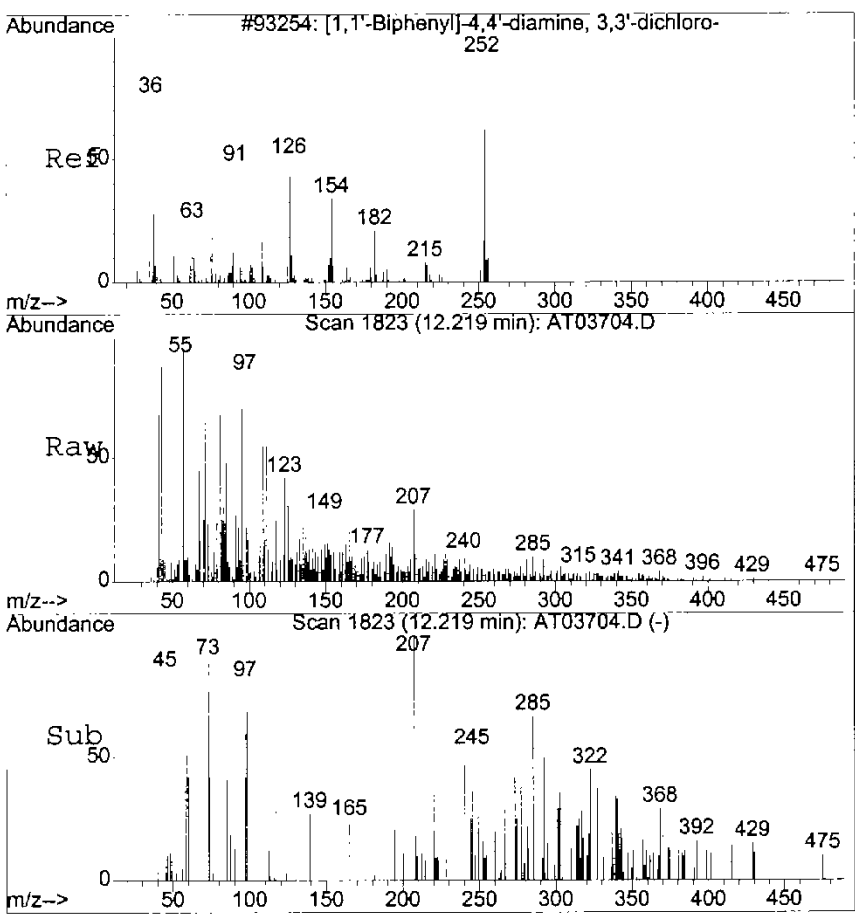


#82
Benzo(a)anthracene
Concen: 68.52 ug/L m
RT: 12.16 min Scan# 1812
Delta R.T. 0.01 min
Lab File: AT03704.D
Acq: 1 Mar 2005 3:43 pm

Tgt Ion:228 Resp: 47761

Ion	Ratio	Lower	Upper
228	100		
113	43.8	0.0	41.1#
114	17.7	0.0	42.7

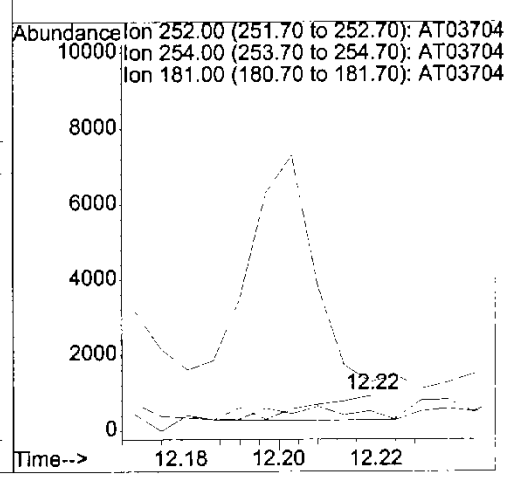


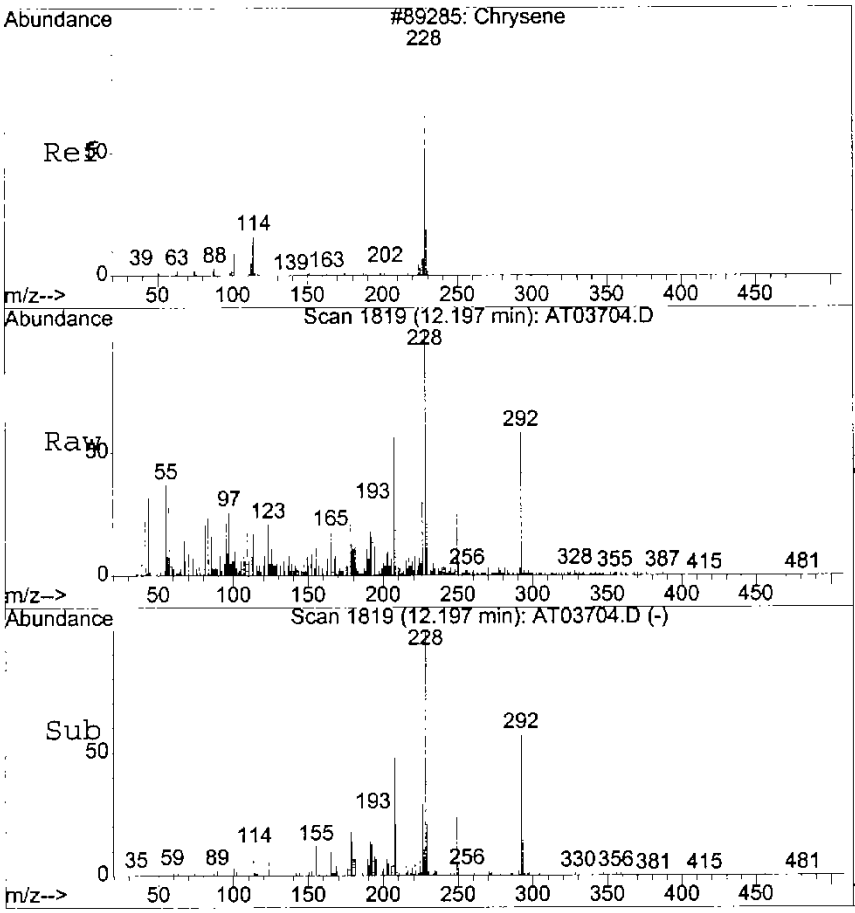


#83
3,3'-Dichlorobenzidine
Concen: 31.05 ug/L
RT: 12.22 min Scan# 1823
Delta R.T. 0.06 min
Lab File: AT03704.D
Acq: 1 Mar 2005 3:43 pm

Tgt Ion:252 Resp: 735

Ion	Ratio	Lower	Upper
252	100		
254	37.5	33.6	93.6
181	0.0	0.0	38.3

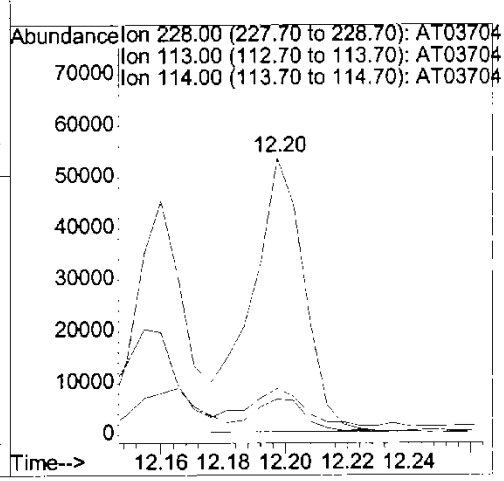


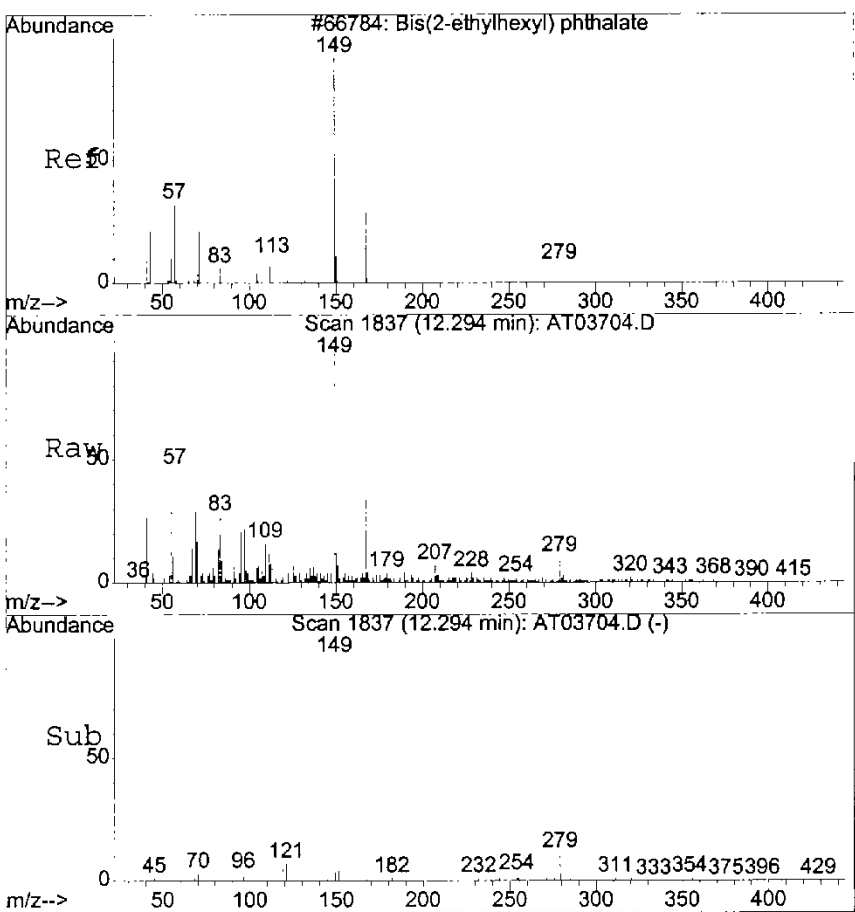


#84
Chrysene
Concen: 85.04 ug/L
RT: 12.20 min Scan# 1819
Delta R.T. 0.01 min
Lab File: AT03704.D
Acq: 1 Mar 2005 3:43 pm

Tgt Ion:228 Resp: 61782

Ion	Ratio	Lower	Upper
228	100		
113	12.7	0.0	42.9
114	9.9	0.0	41.2

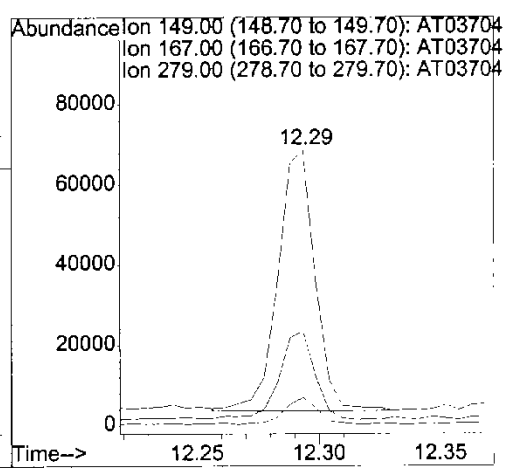


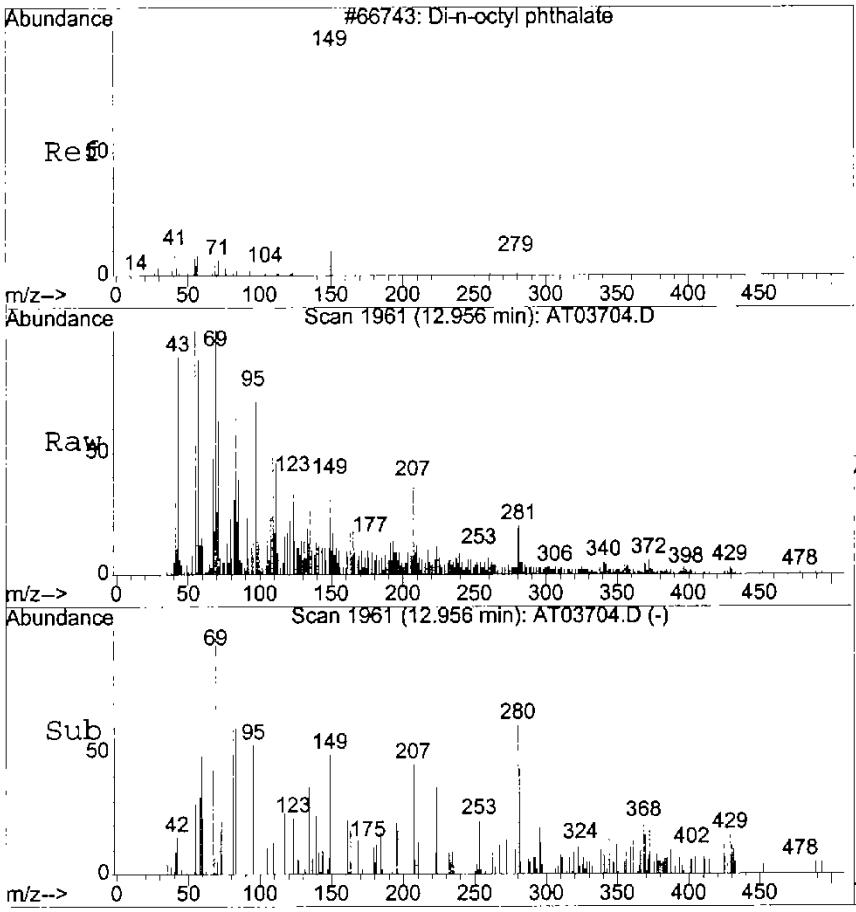


#85
bis(2-Ethylhexyl)phthalate
Concen: 152.84 ug/L
RT: 12.29 min Scan# 1837
Delta R.T. 0.01 min
Lab File: AT03704.D
Acq: 1 Mar 2005 3:43 pm

Tgt Ion:149 Resp: 68805

Ion	Ratio	Lower	Upper
149	100		
167	33.3	2.4	62.4
279	10.1	0.0	39.8

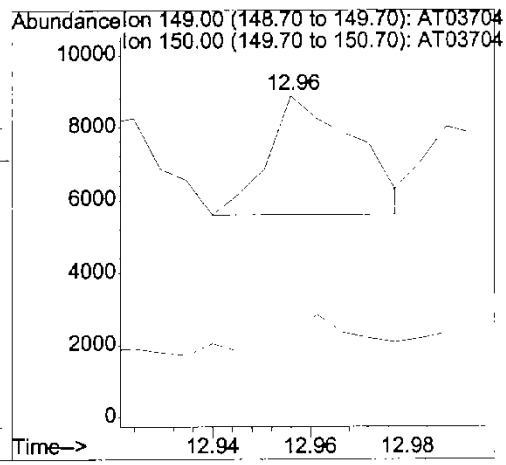


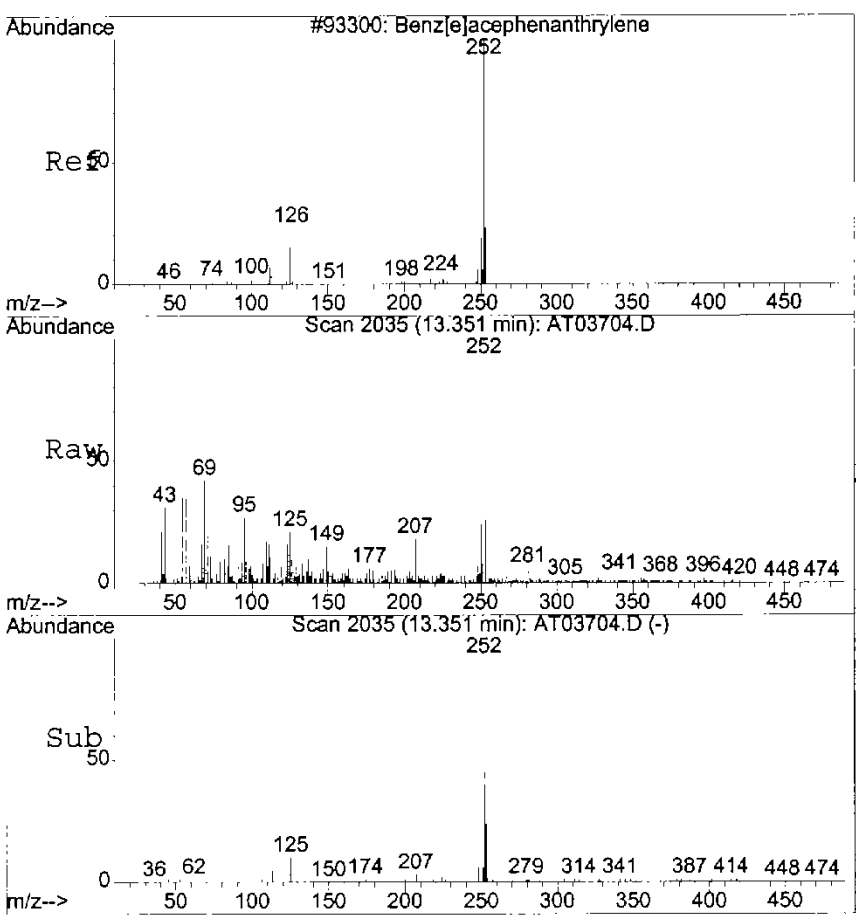


#87
Di-n-octylphthalate
Concen: 5.56 ug/L
RT: 12.96 min Scan# 1961
Delta R.T. 0.01 min
Lab File: AT03704.D
Acq: 1 Mar 2005 3:43 pm

Tgt Ion:149 Resp: 4038

Ion	Ratio	Lower	Upper
149	100		
150	4.3	0.0	39.5

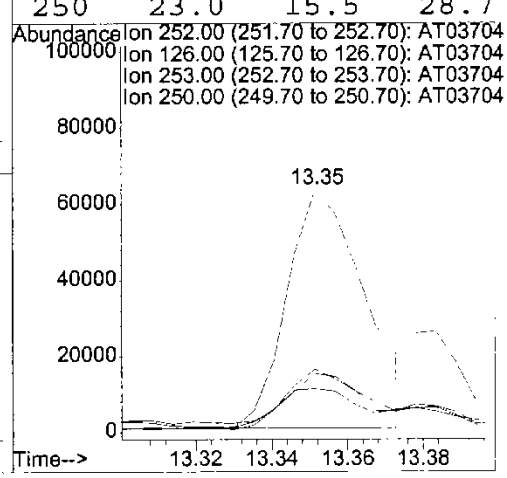


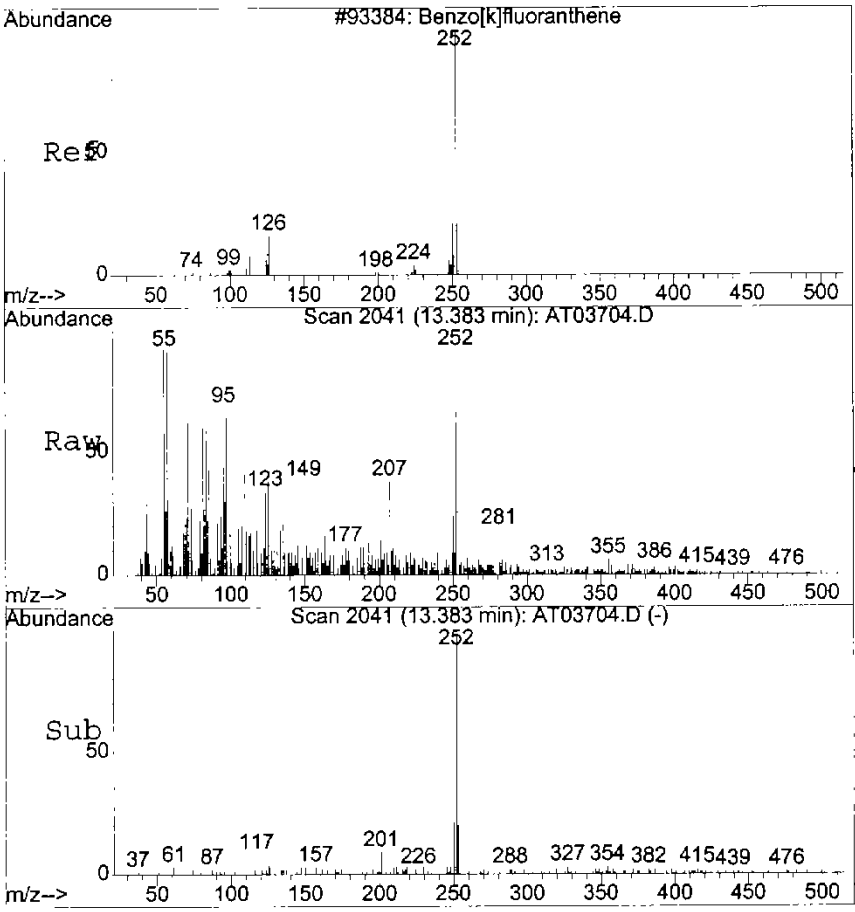


#88
Benzo(b)fluoranthene
Concen: 121.11 ul/l
RT: 13.35 min Scan# 2035
Delta R.T. 0.01 min
Lab File: AT03704.D
Acq: 1 Mar 2005 3:43 pm

Tgt Ion:252 Resp: 89117

Ion	Ratio	Lower	Upper
252	100		
126	13.7	11.5	21.5
253	24.9	15.2	28.2
250	23.0	15.5	28.7

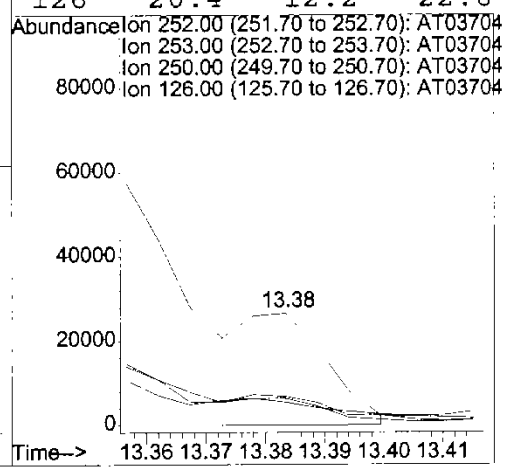


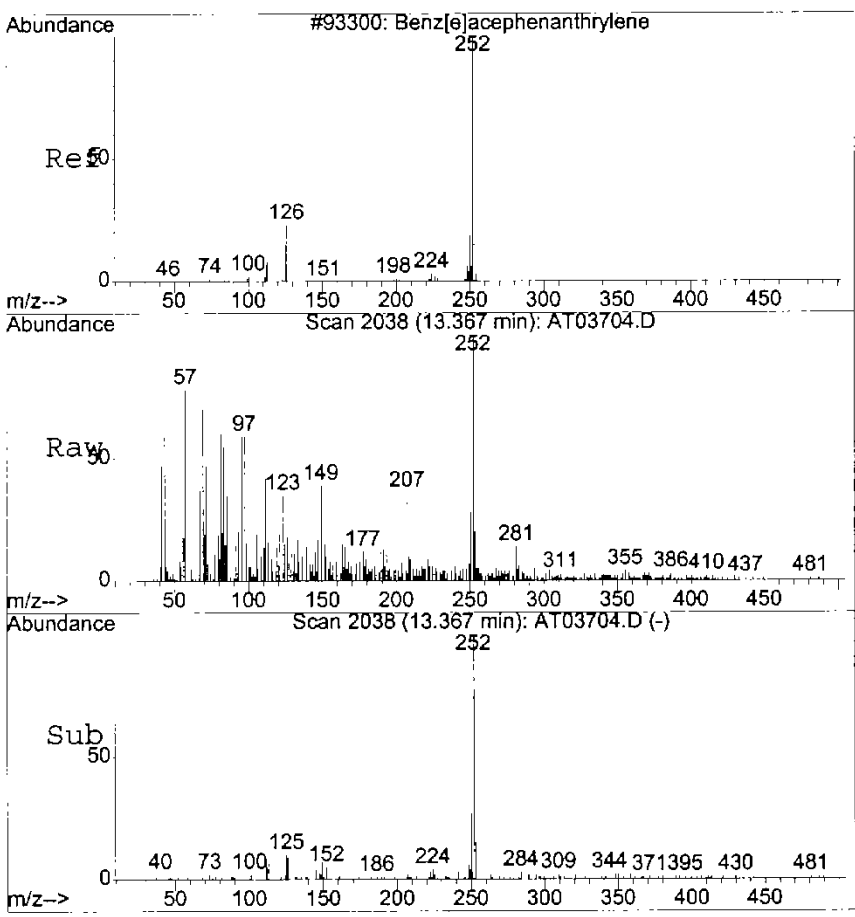


#89
benzo(k)fluoranthene
Concen: 36.32 ul/l m
RT: 13.38 min Scan# 2041
Delta R.T. 0.01 min
Lab File: AT03704.D
Acq: 1 Mar 2005 3:43 pm

Tgt Ion:252 Resp: 26106

Ion	Ratio	Lower	Upper
252	100		
253	25.6	15.3	28.5
250	24.1	15.5	28.9
126	20.4	12.2	22.6

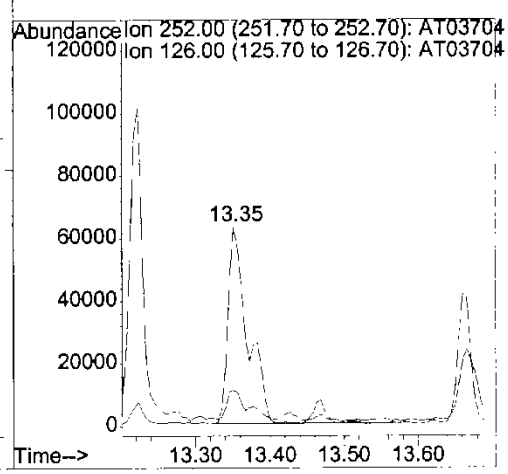


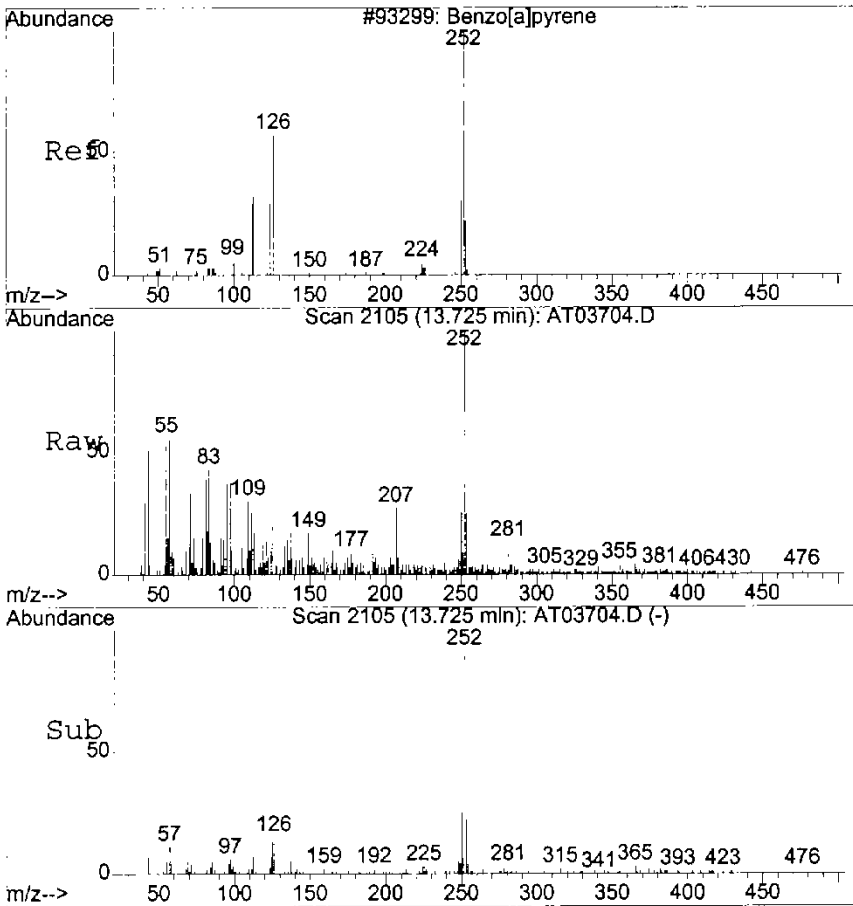


#90
Benzofluoranthenes
Concen: 167.97 ug/L
RT: 13.37 min Scan# 2038
Delta R.T. 0.01 min
Lab File: AT03704.D
Acq: 1 Mar 2005 3:43 pm

Tgt Ion:252 Resp: 122289

Ion	Ratio	Lower	Upper
252	100		
126	9.7	0.0	47.4

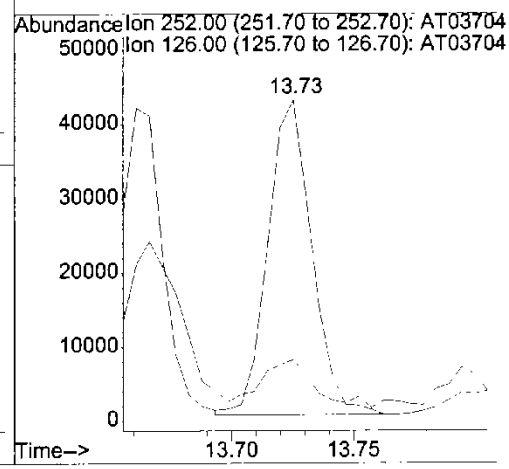


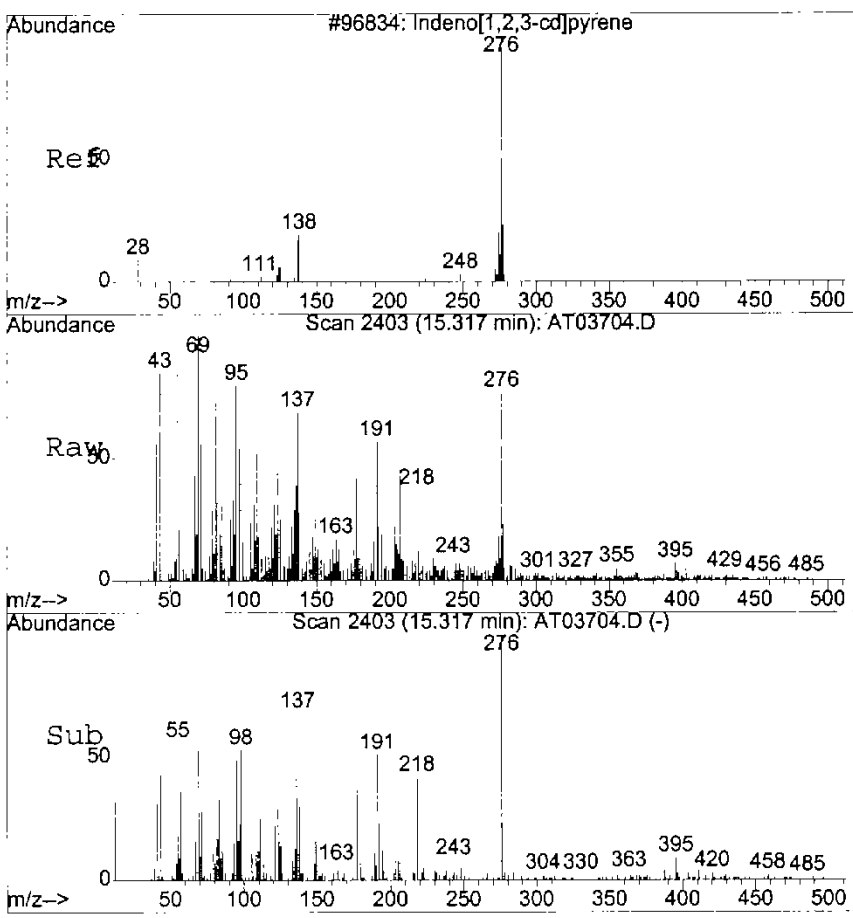


#91
Benzo(a)pyrene
Concen: 84.88 ug/L
RT: 13.72 min Scan# 2105
Delta R.T. 0.01 min
Lab File: AT03704.D
Acq: 1 Mar 2005 3:43 pm

Tgt Ion:252 Resp: 52982

Ion	Ratio	Lower	Upper
252	100		
126	11.6	0.0	45.3

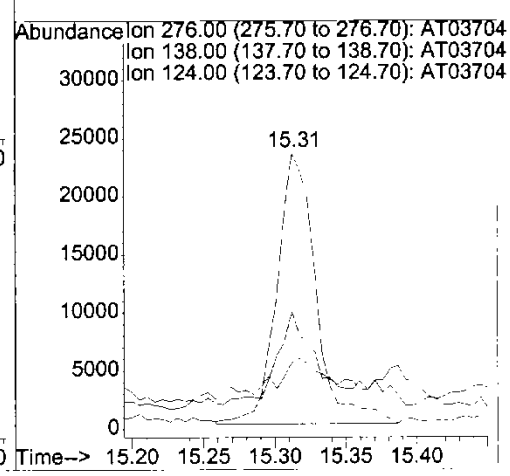


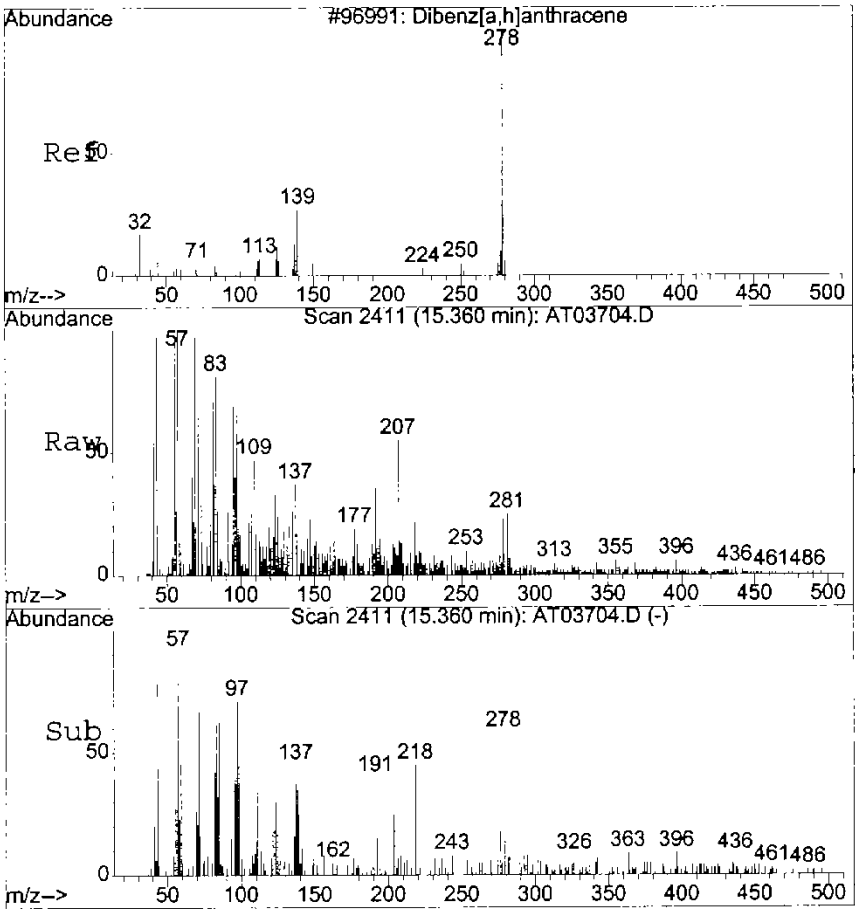


#92
Indeno(1,2,3-cd)pyrene
Concen: 83.42 ug/L
RT: 15.32 min Scan# 2403
Delta R.T. 0.02 min
Lab File: AT03704.D
Acq: 1 Mar 2005 3:43 pm

Tgt Ion:276 Resp: 44496

Ion	Ratio	Lower	Upper
276	100		
138	25.7	0.0	51.8
124	9.4	0.0	35.4

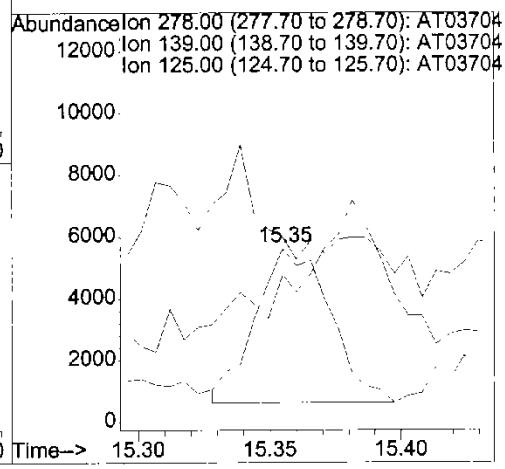


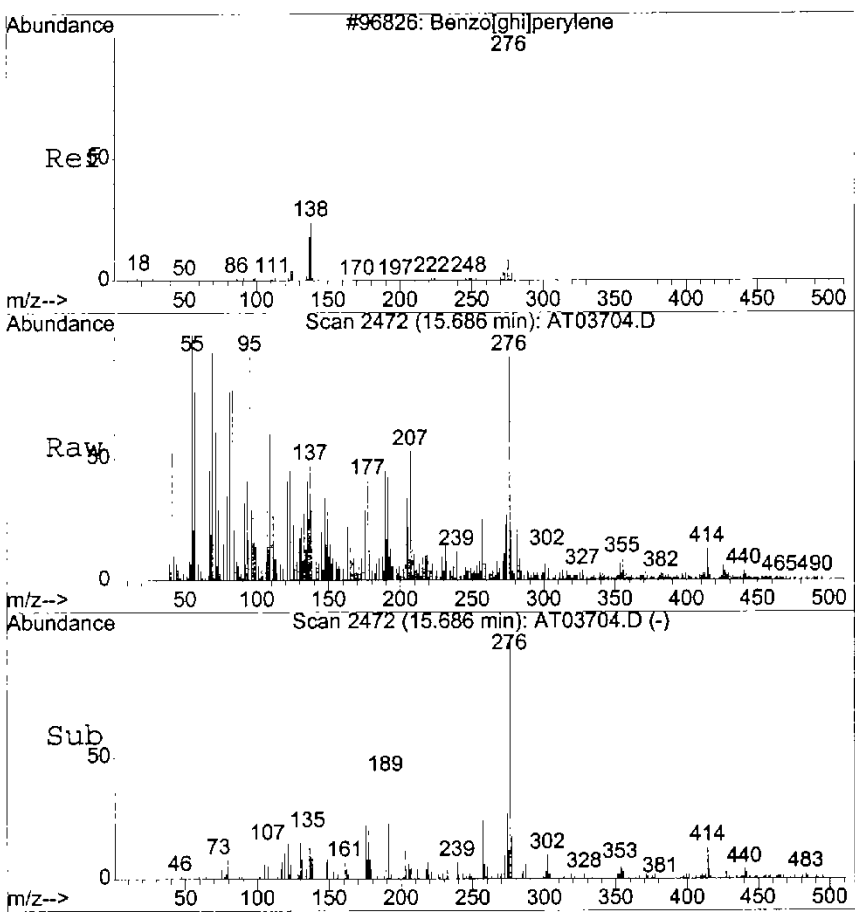


#93
Dibenz(a,h)anthracene
Concen: 25.96 ug/L
RT: 15.36 min Scan# 2411
Delta R.T. 0.01 min
Lab File: AT03704.D
Acq: 1 Mar 2005 3:43 pm

Tgt Ion:278 Resp: 9800

Ion	Ratio	Lower	Upper
278	100		
139	13.0	0.0	46.7
125	0.0	0.0	35.8

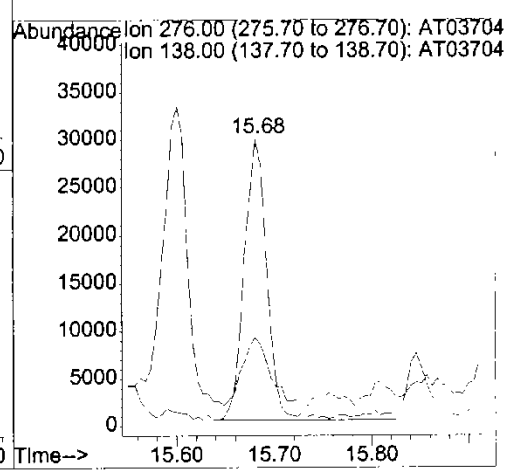




#94
Benzo(g,h,i)perylene
Concen: 71.39 ug/L
RT: 15.69 min Scan# 2472
Delta R.T. 0.03 min
Lab File: AT03704.D
Acq: 1 Mar 2005 3:43 pm

Tgt Ion:276 Resp: 49772

Ion	Ratio	Lower	Upper
276	100		
138	21.8	0.0	54.3

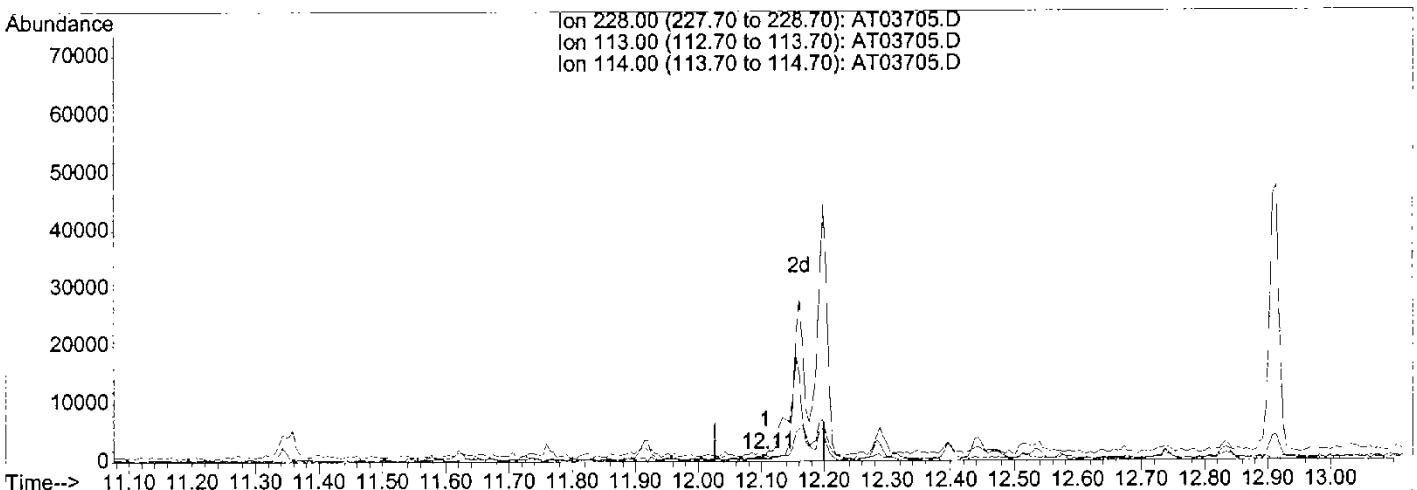


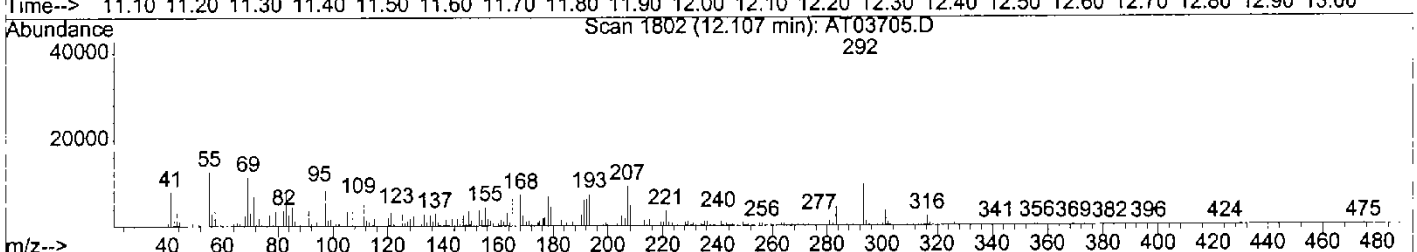
Quantitation Report (Qedit)

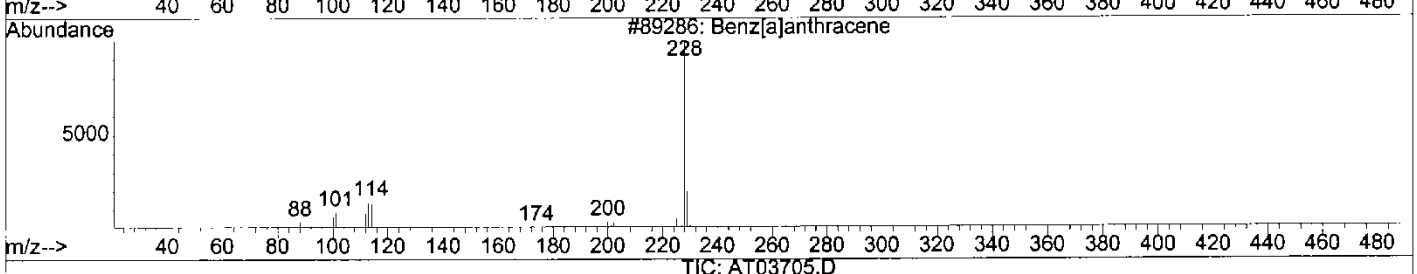
Data File : H:\DATA\030105_A\AT03705.D
Acq On : 1 Mar 2005 4:11 pm
Sample : 126377-4 &1 1:5 ss1348
Misc :
MS Integration Params: Rteint.p
Quant Time: Mar 2 6:33 2005

Vial: 19
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: temp.res

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Feb 28 14:16:48 2005
Response via : Multiple Level Calibration







TIC: AT03705.D

(82) Benzo(a)anthracene (T)

12.11min 1.44ug/L

response 967

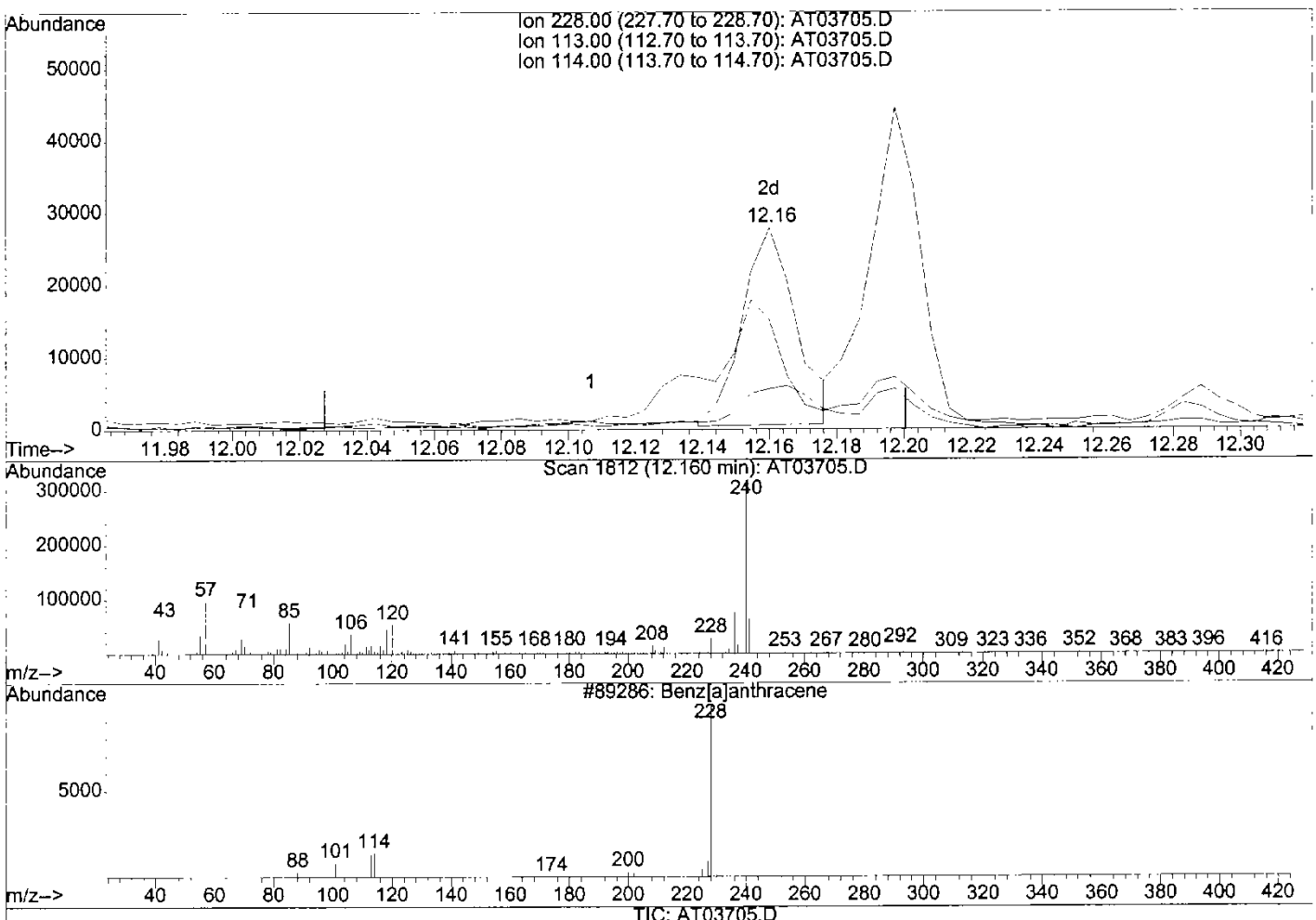
Ion	Exp%	Act%
228.00	100	100
113.00	11.10	0.00
114.00	12.70	10.81
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : H:\DATA\030105_A\AT03705.D
Acq On : 1 Mar 2005 4:11 pm
Sample : 126377-4 &1 1:5 ss1348
Misc :
MS Integration Params: Rteint.p
Quant Time: Mar 2 8:12 2005

Vial: 19
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: temp.res

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Feb 28 14:16:48 2005
Response via : Multiple Level Calibration



(82) Benzo(a)anthracene (T)

12.16min 45.09ug/L m

response 30362

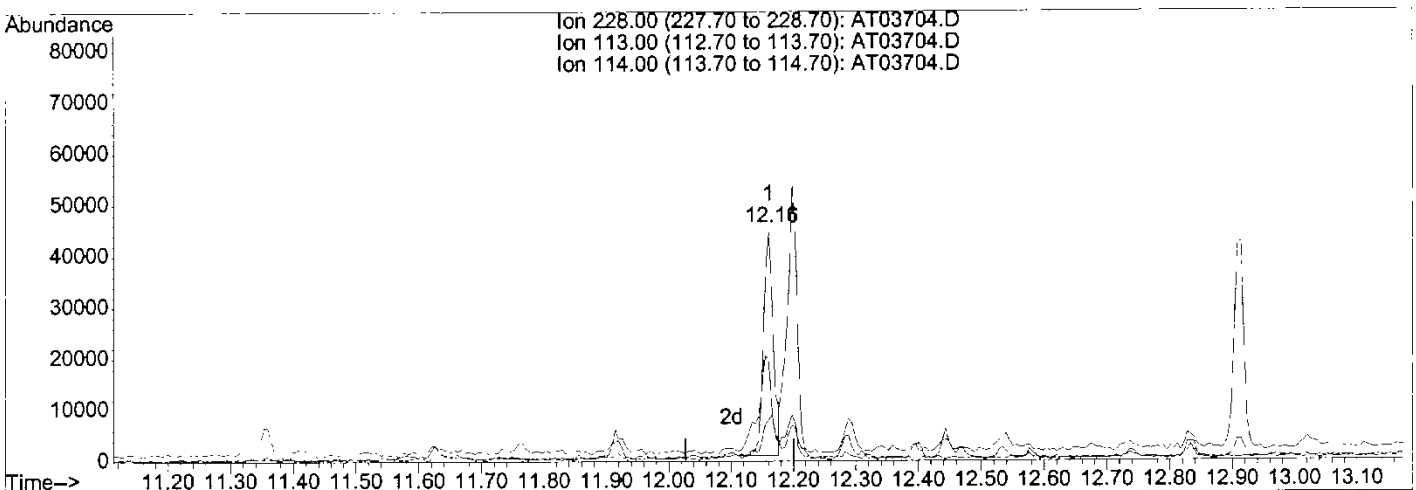
Ion	Exp%	Act%
228.00	100	100
113.00	11.10	54.16#
114.00	12.70	20.02
0.00	0.00	0.00

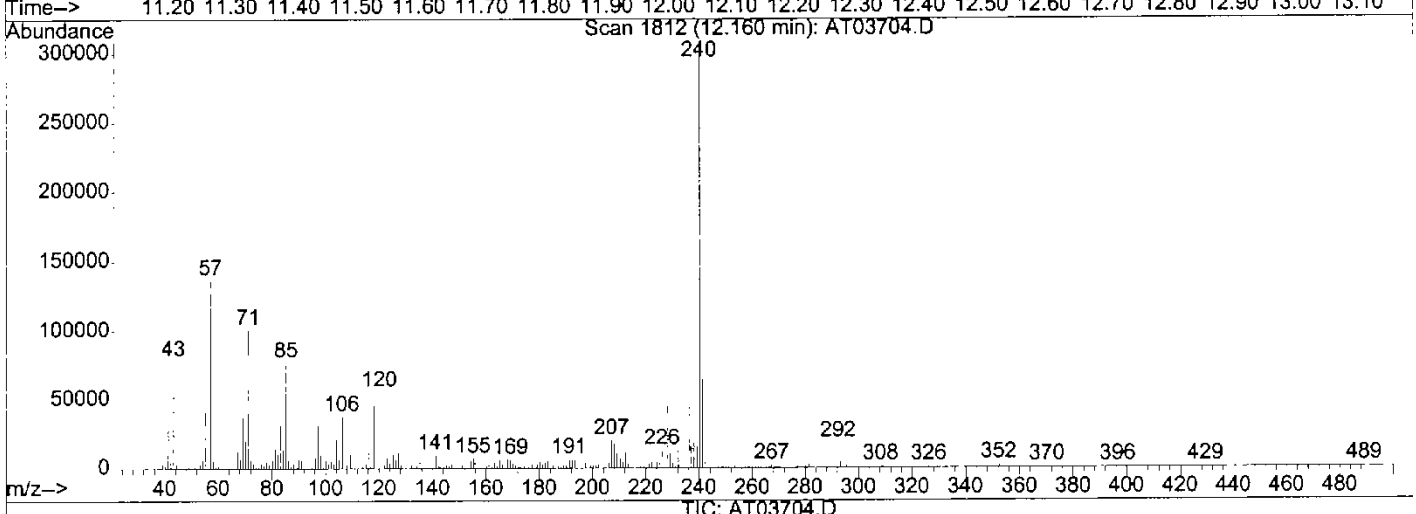
Quantitation Report (QedIt)

Data File : H:\DATA\030105_A\AT03704.D
Acq On : 1 Mar 2005 3:43 pm
Sample : 126377-3 &1 1:5 ss1348
Misc :
MS Integration Params: Rteint.p
Quant Time: Mar 2 6:32 2005

Vial: 18
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: temp.res

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Feb 28 14:16:48 2005
Response via : Multiple Level Calibration





(82) Benzo(a)anthracene (T)

12.16min 68.61ug/L

response 47821

Ion	Exp%	Act%
228.00	100	100
113.00	11.10	43.22#
114.00	12.70	14.20
0.00	0.00	0.00

3/2/05

AT03704.D 8270_022505.M Wed Mar 02 08:11:57 2005 MSD1

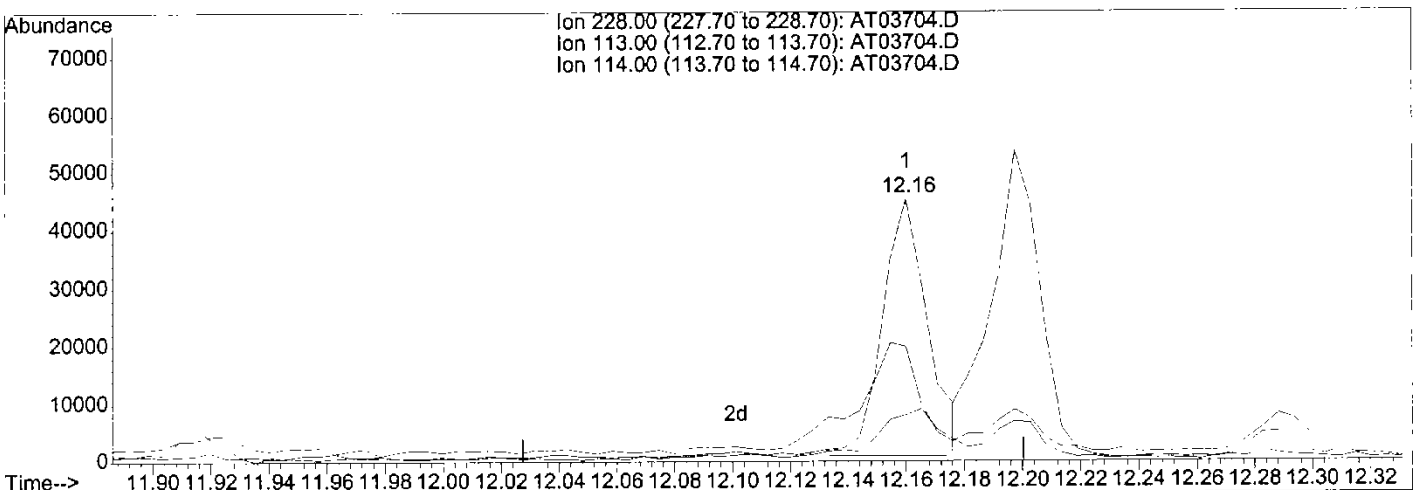
00432

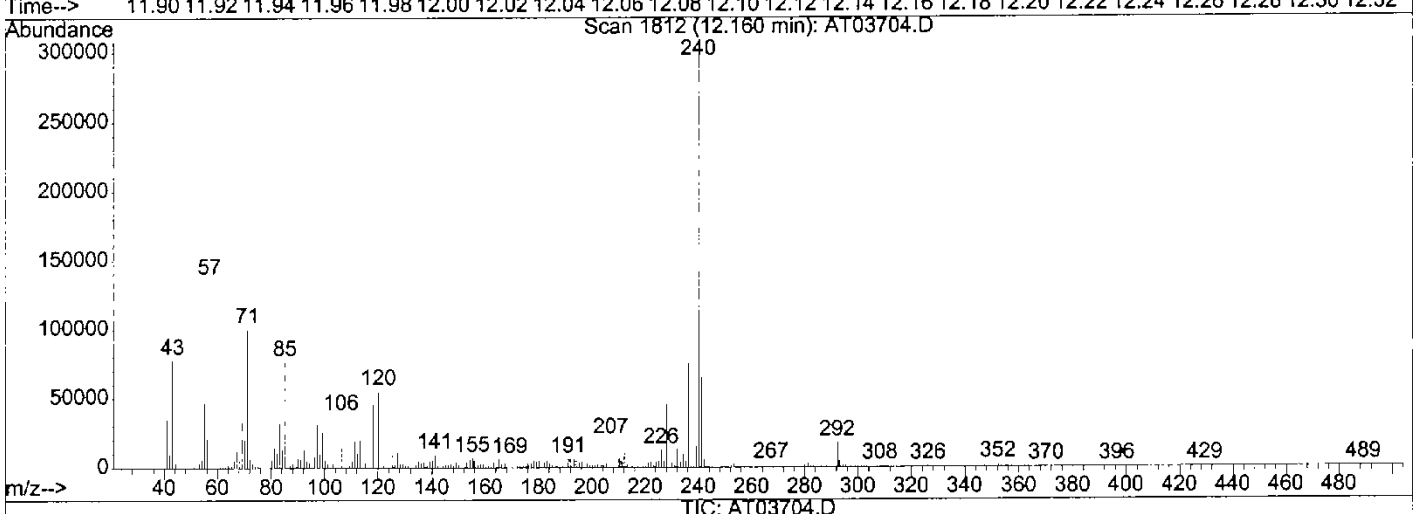
Quantitation Report (Qedit)

Data File : H:\DATA\030105_A\AT03704.D
Acq On : 1 Mar 2005 3:43 pm
Sample : 126377-3 &1 1:5 ss1348
Misc :
MS Integration Params: Rteint.p
Quant Time: Mar 2 8:12 2005

Vial: 18
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: temp.res

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Feb 28 14:16:48 2005
Response via : Multiple Level Calibration





(82) Benzo(a)anthracene (T)

12.16min 68.52ug/L m

response 47761

Ion	Exp%	Act%
228.00	100	100
113.00	11.10	43.81#
114.00	12.70	17.73
0.00	0.00	0.00

AT03704.D 8270_022505.M Wed Mar 02 08:12:03 2005 MSD1

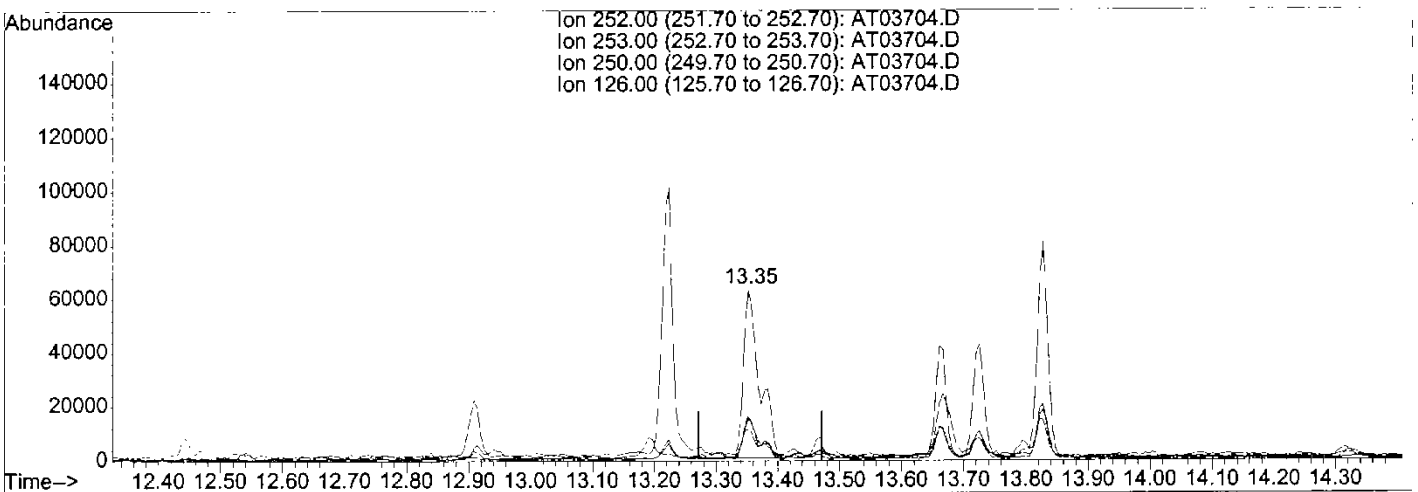
00433

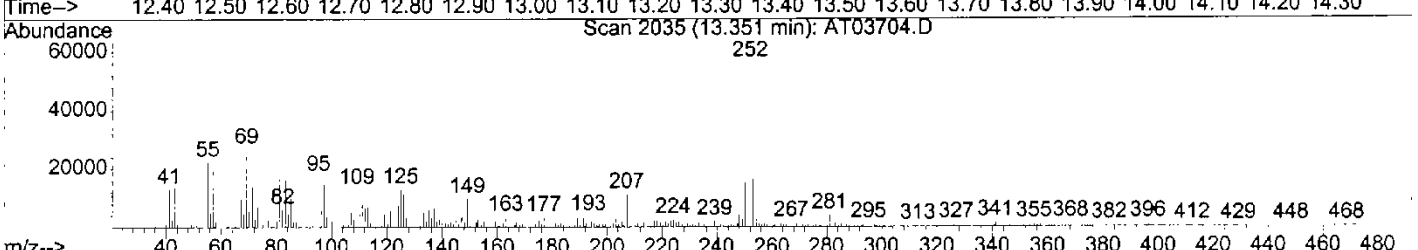
Quantitation Report (Qedit)

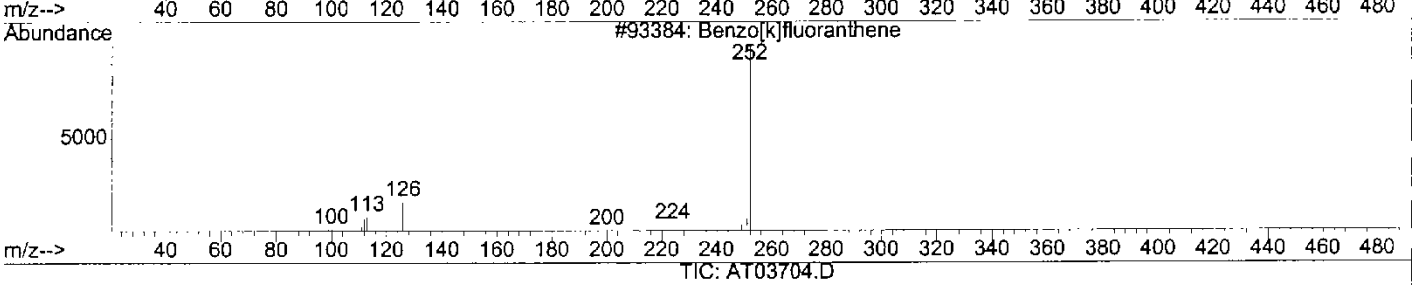
Data File : H:\DATA\030105_A\AT03704.D
Acq On : 1 Mar 2005 3:43 pm
Sample : 126377-3 &1 1:5 ss1348
Misc :
MS Integration Params: Rteint.p
Quant Time: Mar 2 6:27 2005

Vial: 18
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: temp.res

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Feb 28 14:16:48 2005
Response via : Multiple Level Calibration







TIC: AT03704.D

(89) benzo(k)fluoranthene (T)

13.35min 158.20ul/l

response 113698

Ion	Exp%	Act%
252.00	100	100
253.00	21.90	23.92
250.00	22.20	23.08
126.00	17.40	14.37

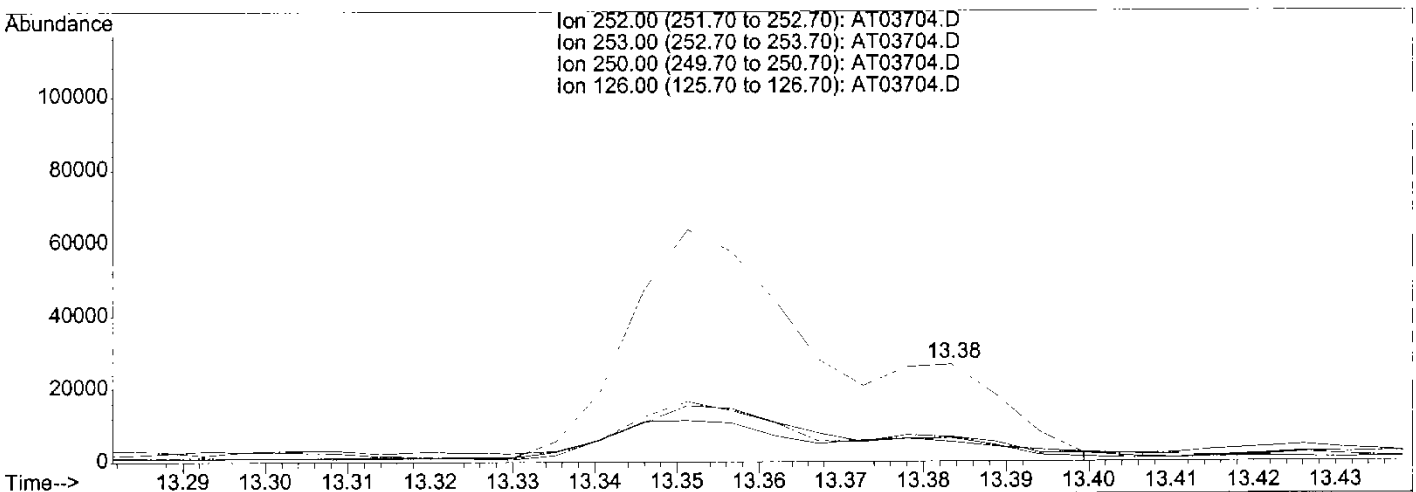
3/2/05

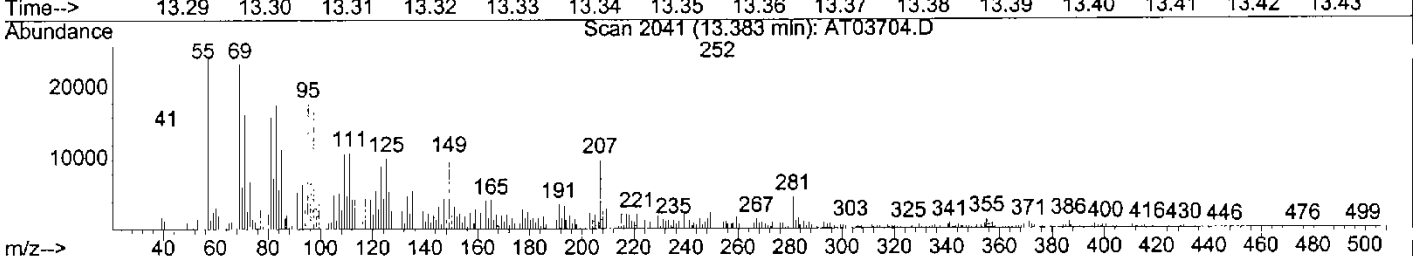
Quantitation Report (Qedit)

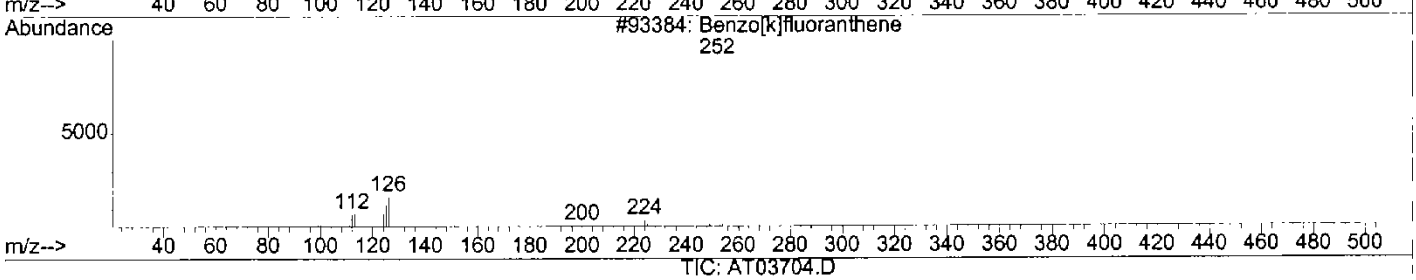
Data File : H:\DATA\030105_A\AT03704.D
Acq On : 1 Mar 2005 3:43 pm
Sample : 126377-3 &1 1:5 ss1348
Misc :
MS Integration Params: Rteint.p
Quant Time: Mar 2 6:32 2005

Vial: 18
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: temp.res

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Feb 28 14:16:48 2005
Response via : Multiple Level Calibration







TIC: AT03704.D

(89) benzo(k)fluoranthene (T)

13.38min 36.32ul/l m

response 26106

Ion	Exp%	Act%
252.00	100	100
253.00	21.90	25.60
250.00	22.20	24.09
126.00	17.40	20.40

3/2/05

Quantitation Report (QT Reviewed)

Data File : H:\DATA\022505_A\AT03679.D
Acq On : 25 Feb 2005 4:32 pm
Sample : 126377-4 &1
Misc :
MS Integration Params: Rteint.p
Quant Time: Feb 28 06:57:42 2005

Vial: 20
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: 8270_022505.RES

Quant Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Fri Feb 25 12:17:02 2005
Response via : Initial Calibration
DataAcq Meth : 8270EXT

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4 (I)	5.55	152	252503	1000.000 ug/L	0.00
23) Naphthalene - d8 (I)	6.66	136	982807	1000.000 ug/L	0.00
39) Acenaphthene - d10 (I)	8.13	162	523629	1000.000 ug/L	0.00
63) Phenanthrene - d10 (I)	9.45	188	966418	1000.000 ug/L	0.00
80) Chrysene - d12 (I)	12.34	240	1044443	1000.000 ul/l	0.01
86) Perylene - d12 (I)	14.01	264	1008687	1000.000 ug/L	0.02
System Monitoring Compounds					
4) 2 - Fluorophenol (S)	4.30	112	79909	377.97 ug/L	-0.03
8) Phenol - d5 (S)	5.25	99	132433	556.54 ug/L	0.00
24) Nitrobenzene - d5 (S)	6.05	82	62695	311.12 ug/L	-0.01
44) 2 - Fluorobiphenyl (S)	7.58	172	215054	380.64 ug/L	0.00
66) 2,4,6 - Tribromophenol (S)	8.80	330	77327	818.84 ug/L	0.00
79) p - Terphenyl - d14 (S)	11.16	244	451272	771.25 ug/L	0.00
Target Compounds					Qvalue
5) Cyclohexanone	4.56	55	3155	19.047 ul/L	62
6) Benzaldehyde	5.16	105	90129	471.437 ul/L	99
9) Phenol	5.26	94	14815	58.391 ug/L	67
14) 1,4-Dichlorobenzene	5.57	146	1559	5.098 ug/L	65
15) Benzyl alcohol	5.70	79	12162	99.439 ug/L	95
17) 2-Methylphenol	5.81	108	1544	8.139 ug/L	84
19) 3-&4-Methylphenol	5.94	108	16770	104.750 ug/L	94
26) Isophorone	6.28	82	3228	7.964 ug/L	98
30) Benzoic Acid	6.46	105	62729	917.950 ug/L	93
32) 1,2,4-Trichlorobenzene	6.62	180	2735	10.879 ug/L	74
33) Naphthalene	6.68	128	45342	59.776 ug/L	93
37) 2-Methylnaphthalene	7.27	141	13402	33.347 ug/L	91
38) 1-Methylnaphthalene	7.35	141	6540	15.619 ul/l	88
46) Biphenyl	7.66	154	9948	16.947 ul/L	88
49) Acenaphthylene	8.01	152	16949	23.470 ug/L	88
51) 3-Nitroaniline	8.09	138	506	Below Cal #	12
52) Acenaphthene	8.15	153	23438	49.323 ug/L	96
53) 2,4-Dinitrophenol	8.18	184	1113	~~363.560 ug/L~~	51
55) Dibenzofuran	8.30	168	15111	23.737 ug/L	96
56) 2,4-Dinitrotoluene	8.34	165	865	~~36.642 ug/L~~	85
59) Diethylphthalate	8.51	149	28287	54.392 ug/L	100
60) Fluorene	8.59	166	30659	62.580 ug/L	97
70) Pentachlorophenol	9.27	266	2488	28.537 ug/L	62
71) Phenanthrene	9.47	178	214422	272.140 ug/L	97
72) Anthracene	9.52	178	44739	62.606 ug/L	86
73) Octadecane	9.38	57	50306	220.010 ul/L	87

(#) = qualifier out of range (m) = manual integration

00436

Quantitation Report (QT Reviewed)

Data File : H:\DATA\022505_A\AT03679.D
Acq On : 25 Feb 2005 4:32 pm
Sample : 126377-4 &1
Misc :
MS Integration Params: Rteint.p
Quant Time: Feb 28 06:57:42 2005

Vial: 20
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: 8270_022505.RES

Quant Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Fri Feb 25 12:17:02 2005
Response via : Initial Calibration
DataAcq Meth : 8270EXT

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
74)	Carbazole	9.69	167	16412	33.925	ug/L	94
75)	Di-n-butylphthalate	10.08	149	3264336	3854.236	ug/L	100
76)	Fluoranthene	10.72	202	476856	592.982	ug/L	100
77)	Pyrene	10.95	202	487374	584.313	ug/L	98
78)	Benzidine	10.66	184	4734	41.394	ul/l	60
81)	Butylbenzylphthalate	11.74	149	51354	204.626	ug/L	92
82)	Benzo(a)anthracene	12.33	228	255445	336.677	ug/L	83
84)	Chrysene	12.37	228	395158	499.673	ug/L	93
85)	bis(2-Ethylhexyl)phthalate	12.44	149	240768	491.332	ug/L	98
87)	Di-n-octylphthalate	13.20	149	51624	~~66.046~~	~~ug/L~~	97
88)	Benzo(b)fluoranthene	13.54	252	505081	583.367	ul/l	98
89)	benzo(k)fluoranthene	13.57	252	138753	179.222	ul/l	97
90)	Benzofluoranthenes	13.56	252	697963	890.000	ug/L	83
91)	Benzo(a)pyrene	13.94	252	262821	390.881	ug/L	97
92)	Indeno(1,2,3-cd)pyrene	15.46	276	40349	73.281	ug/L	78
93)	Dibenz(a,h)anthracene	15.57	278	13760	~~29.997~~	~~ug~~/L	67
94)	Benzo(g,h,i)perylene	15.95	276	230283	306.648	ug/L	92

(#) = qualifier out of range (m) = manual integration

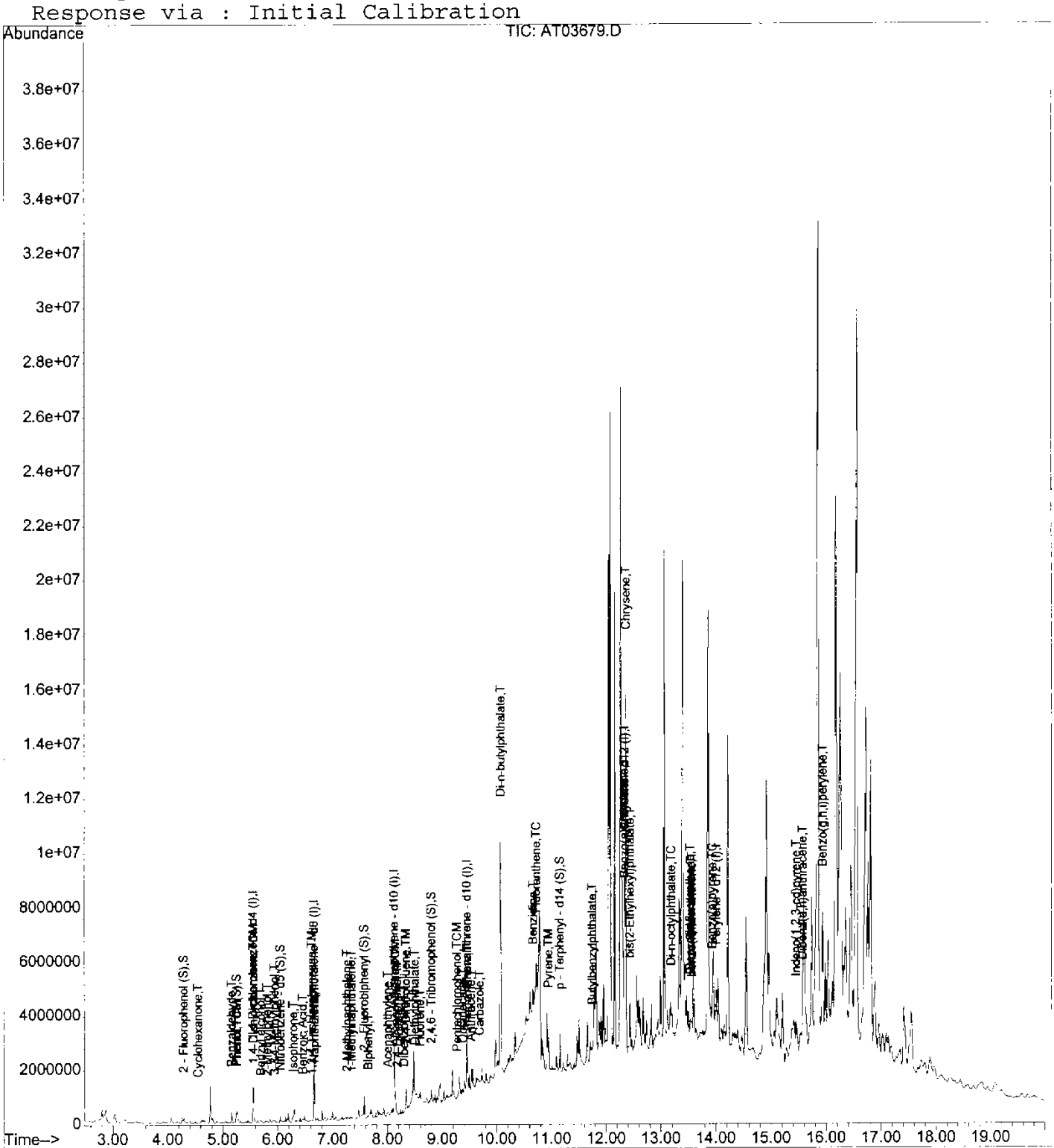
00437

Quantitation Report (QT Reviewed)

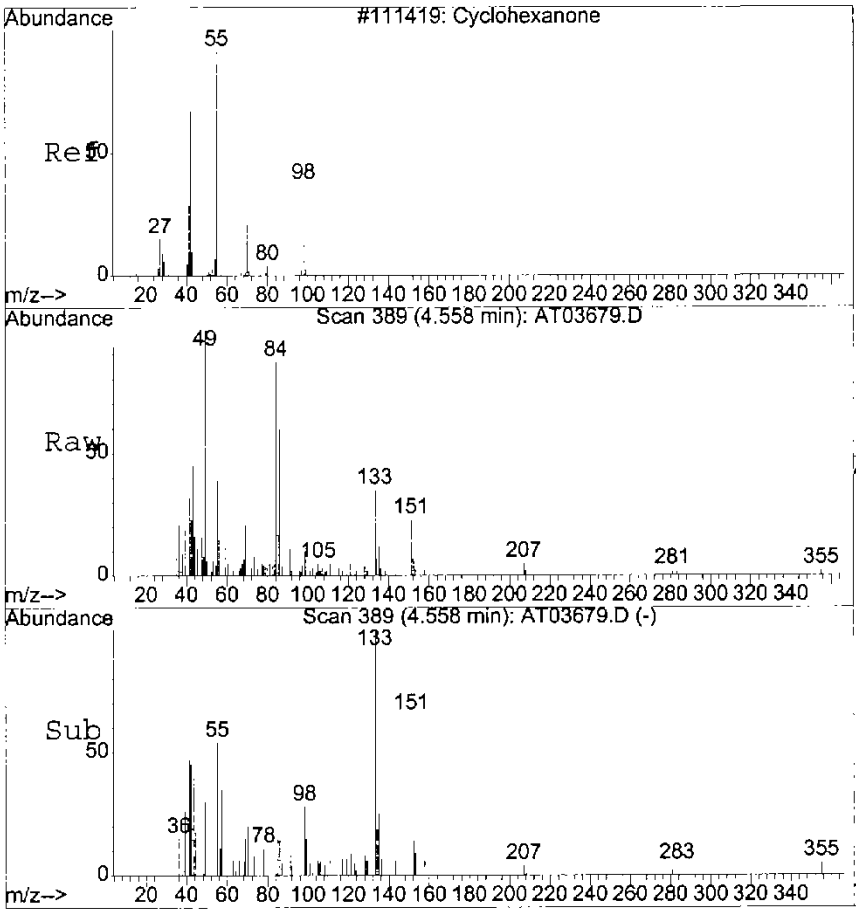
Data File : H:\DATA\022505_A\AT03679.D
Acq On : 25 Feb 2005 4:32 pm
Sample : 126377-4 &1
Misc :
MS Integration Params: Rteint.p
Quant Time: Feb 28 6:59 2005

Vial: 20
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: 8270_022505.

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Fri Feb 25 12:17:02 2005
Response via : Initial Calibration



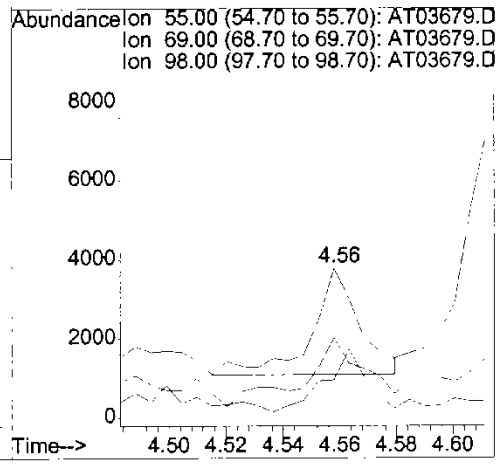
004138

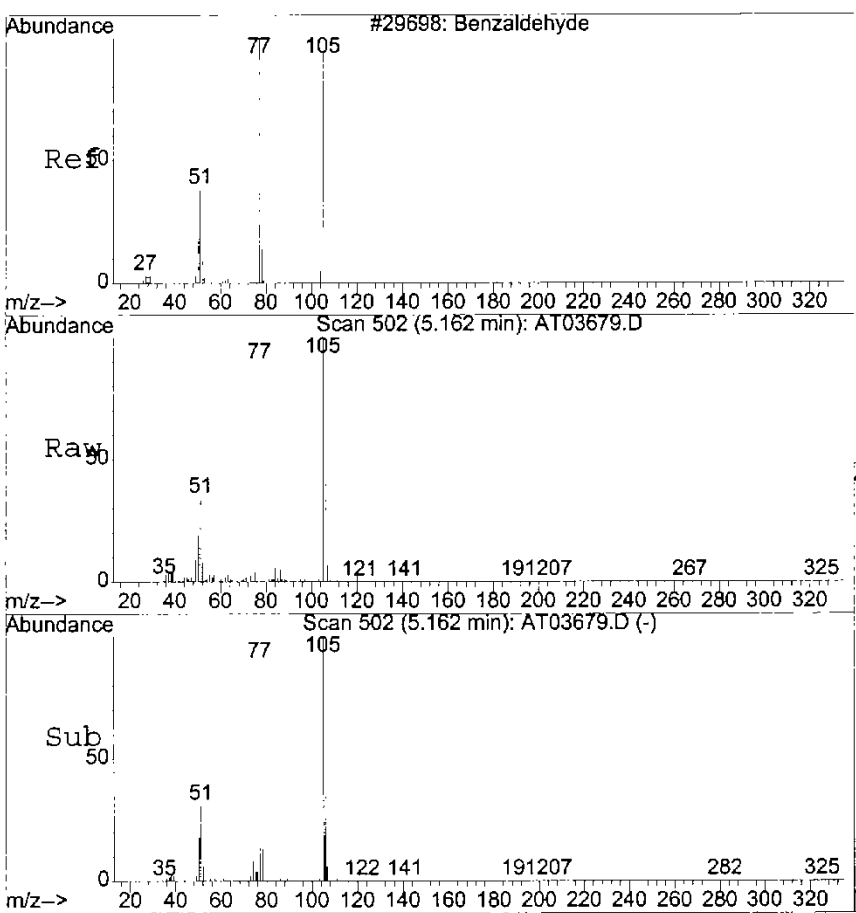


#5
Cyclohexanone
Concen: 19.05 ul/L
RT: 4.56 min Scan# 389
Delta R.T. -0.02 min
Lab File: AT03679.D
Acq: 25 Feb 2005 4:32 pm

Tgt Ion: 55 Resp: 3155

Ion	Ratio	Lower	Upper
55	100		
69	57.0	4.6	64.6
98	27.8	24.8	84.8

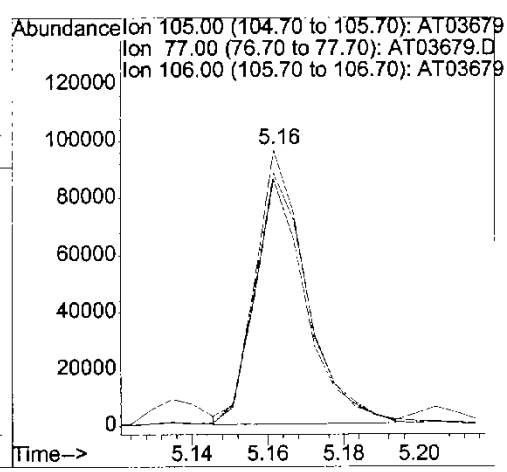




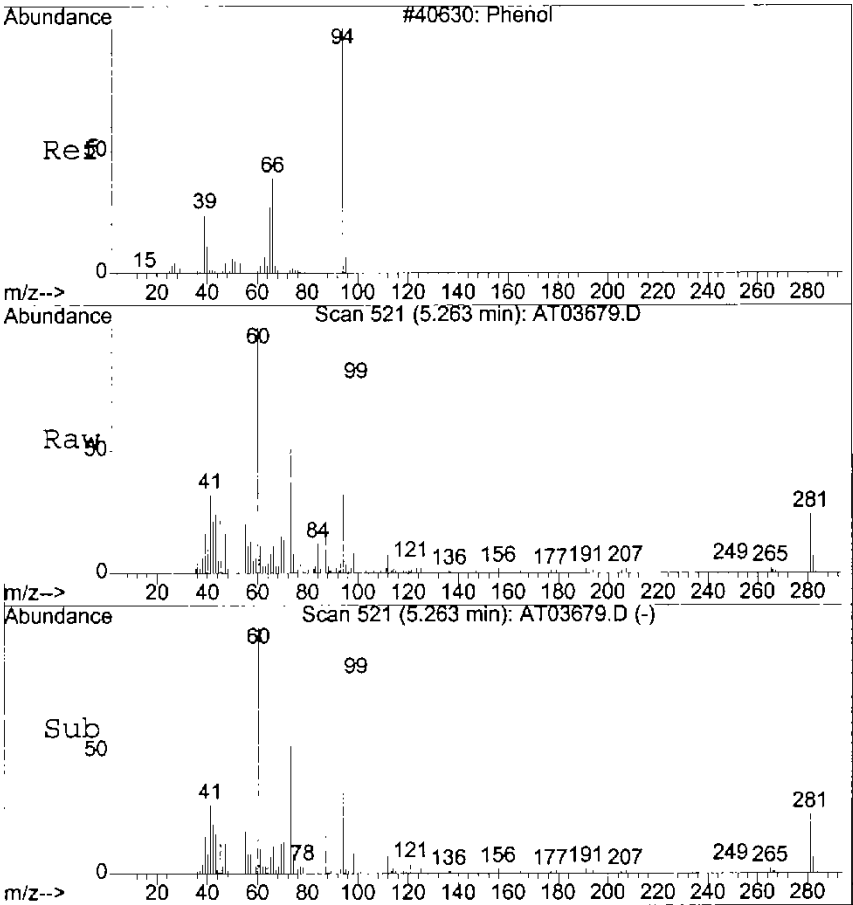
#6
Benzaldehyde
Concen: 471.44 ul/L
RT: 5.16 min Scan# 502
Delta R.T. -0.02 min
Lab File: AT03679.D
Acq: 25 Feb 2005 4:32 pm

Tgt Ion:105 Resp: 90129

Ion	Ratio	Lower	Upper
105	100		
77	94.2	63.9	123.9
106	100.2	72.0	132.0



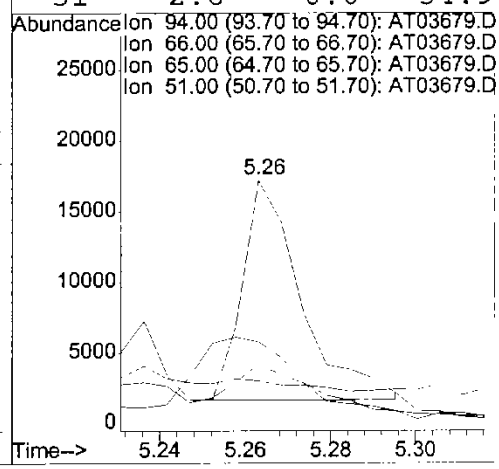
004379

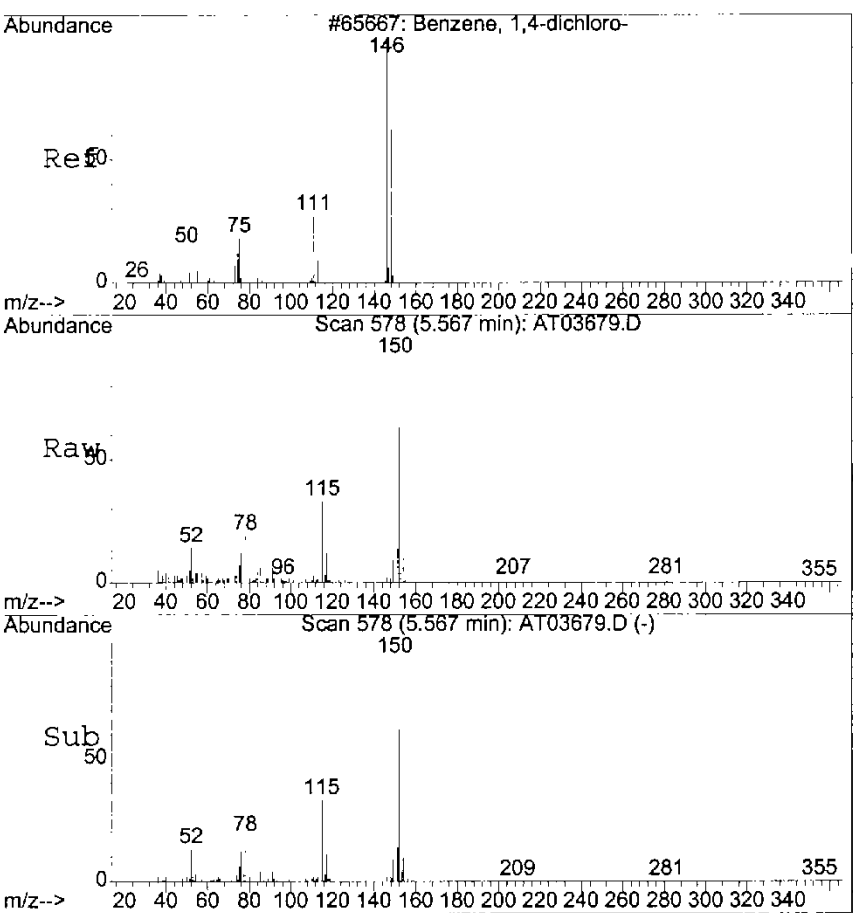


#9
Phenol
Concen: 58.39 ug/L
RT: 5.26 min Scan# 521
Delta R.T. -0.01 min
Lab File: AT03679.D
Acq: 25 Feb 2005 4:32 pm

Tgt Ion: 94 Resp: 14815

Ion	Ratio	Lower	Upper
94	100		
66	16.3	14.1	74.1
65	18.6	1.3	61.3
51	2.6	0.0	34.9

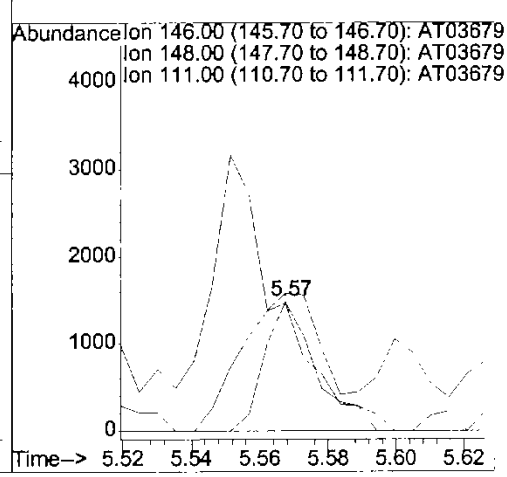




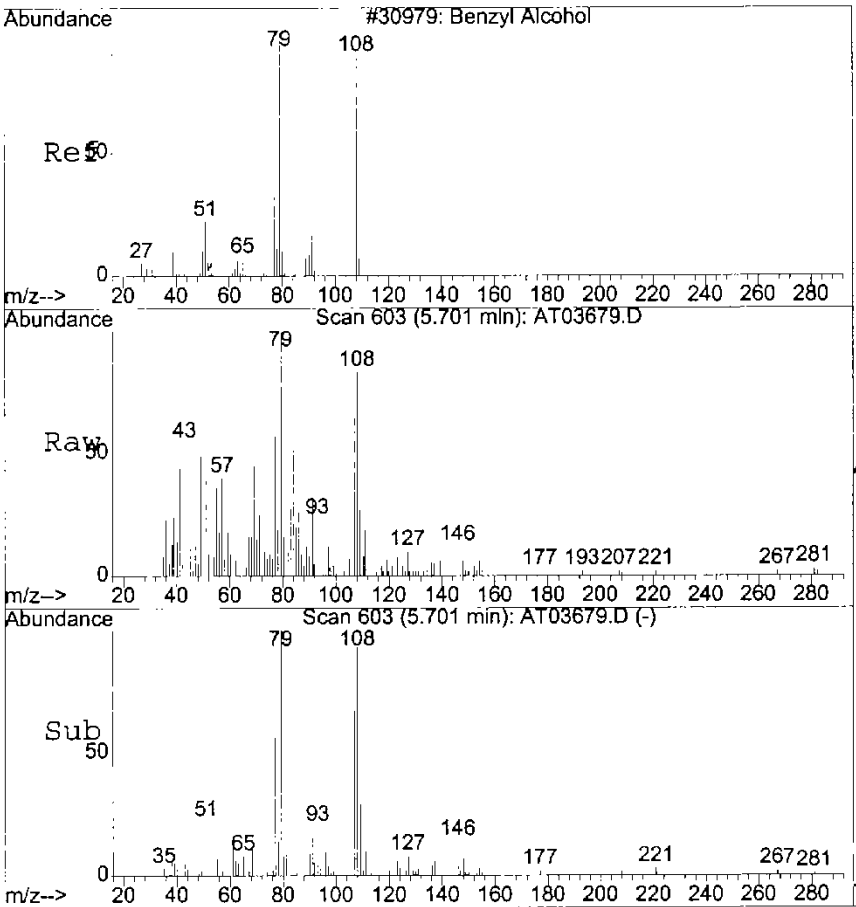
#14
1,4-Dichlorobenzene
Concen: 5.10 ug/L
RT: 5.57 min Scan# 578
Delta R.T. -0.01 min
Lab File: AT03679.D
Acq: 25 Feb 2005 4:32 pm

Tgt Ion:146 Resp: 1559

Ion	Ratio	Lower	Upper
146	100		
148	90.4	33.5	93.5
111	14.7	6.4	66.4



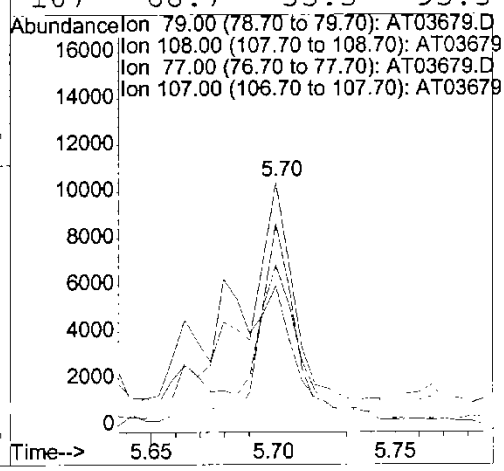
00440

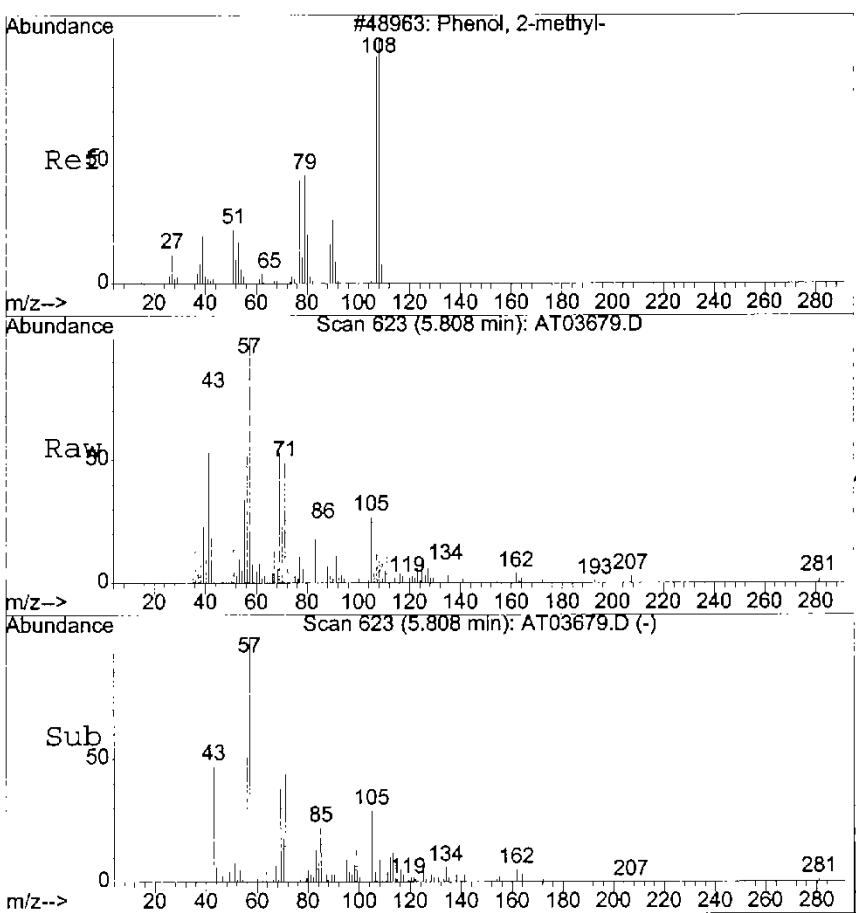


#15
Benzyl alcohol
Concen: 99.44 ug/L
RT: 5.70 min Scan# 603
Delta R.T. 0.00 min
Lab File: AT03679.D
Acq: 25 Feb 2005 4:32 pm

Tgt Ion: 79 Resp: 12162

Ion	Ratio	Lower	Upper
79	100		
108	93.5	62.2	122.2
77	50.3	29.8	89.8
107	68.7	35.5	95.5

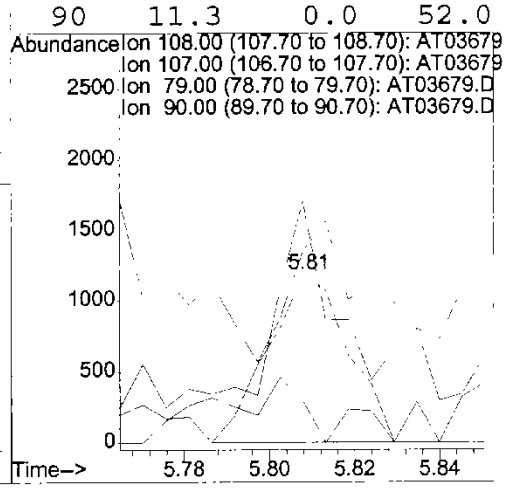




#17
2-Methylphenol
Concen: 8.14 ug/L
RT: 5.81 min Scan# 623
Delta R.T. 0.00 min
Lab File: AT03679.D
Acq: 25 Feb 2005 4:32 pm

Tgt Ion:108 Resp: 1544

Ion	Ratio	Lower	Upper
108	100		
107	102.7	58.0	118.0
79	24.9	0.4	60.4
90	11.3	0.0	52.0



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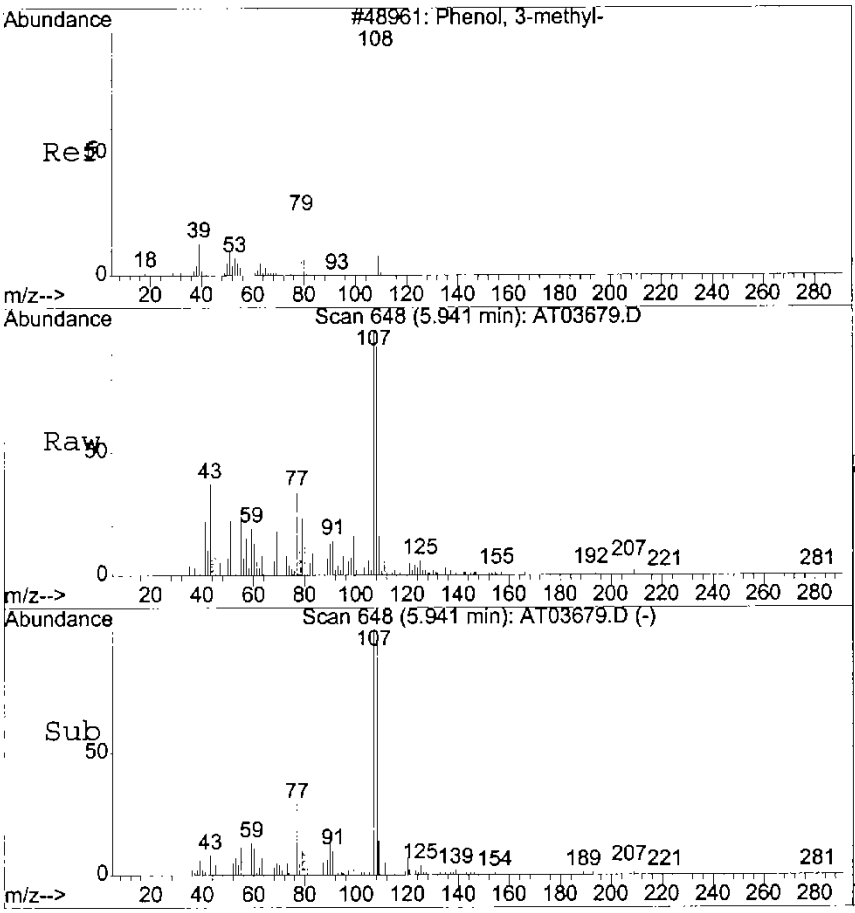
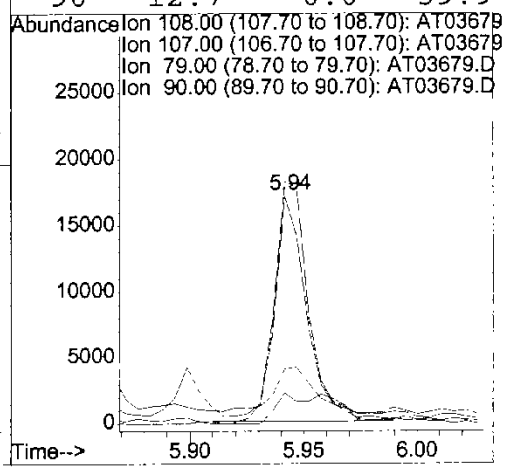
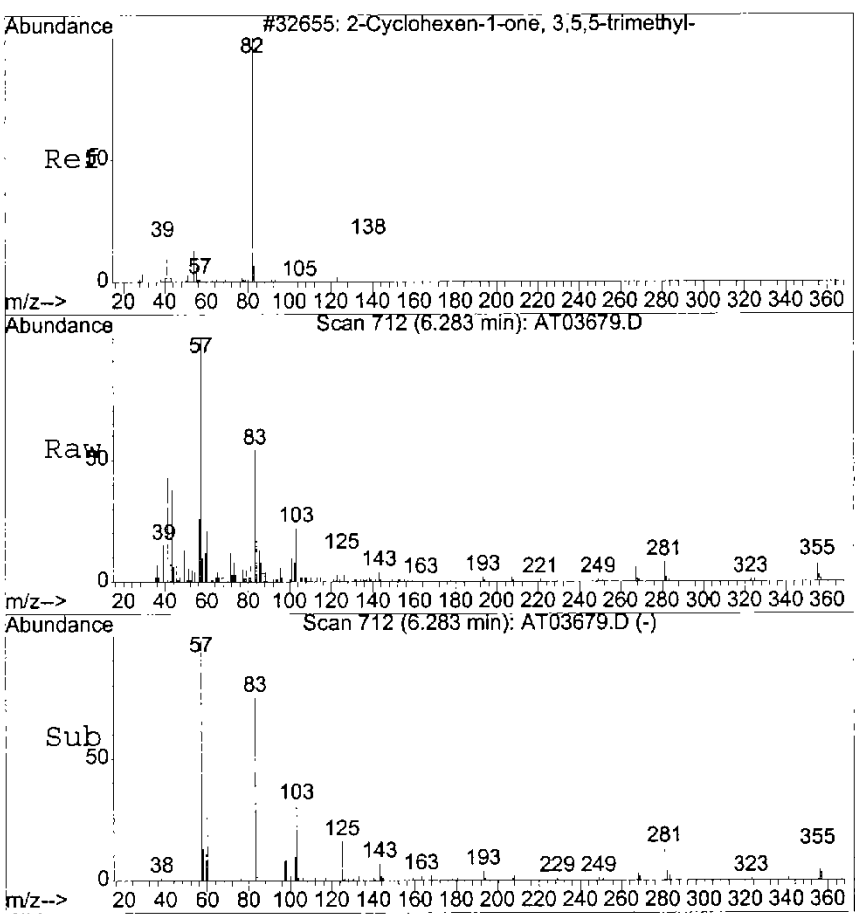


#19
3-&4-Methylphenol
Concen: 104.75 ug/L
RT: 5.94 min Scan# 648
Delta R.T. 0.00 min
Lab File: AT03679.D
Acq: 25 Feb 2005 4:32 pm

Tgt Ion:108 Resp: 16770

Ion	Ratio	Lower	Upper
108	100		
107	101.3	75.6	135.6
79	18.0	0.0	55.6
90	12.7	0.0	39.9

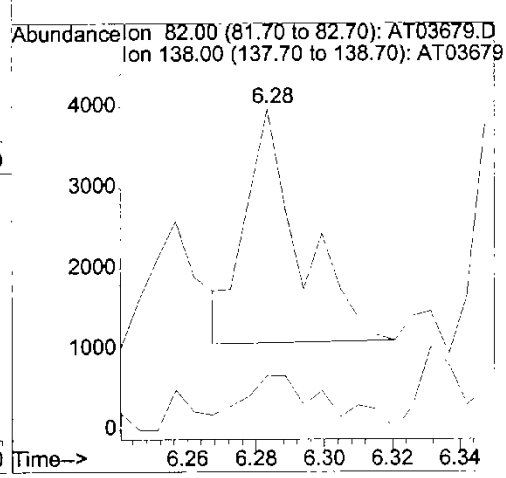




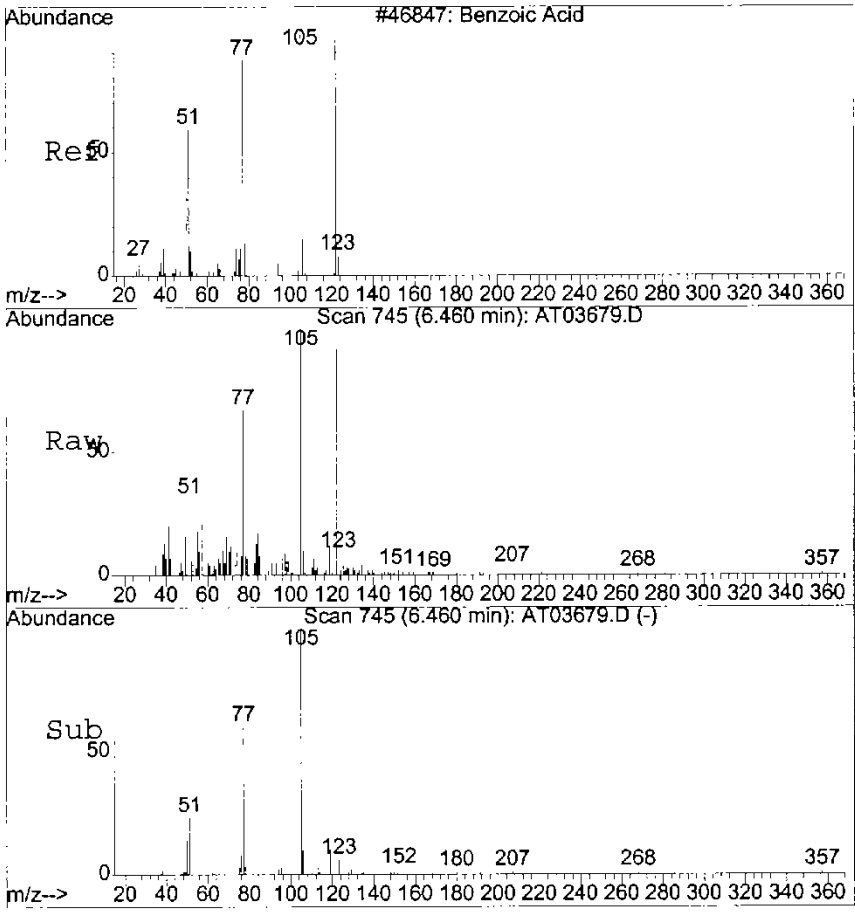
#26
Isophorone
Concen: 7.96 ug/L
RT: 6.28 min Scan# 712
Delta R.T. -0.00 min
Lab File: AT03679.D
Acq: 25 Feb 2005 4:32 pm

Tgt Ion: 82 Resp: 3228

Ion	Ratio	Lower	Upper
82	100		
138	22.8	0.0	51.7



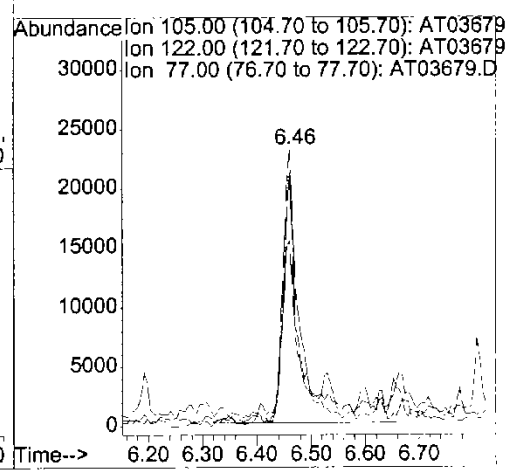
00442

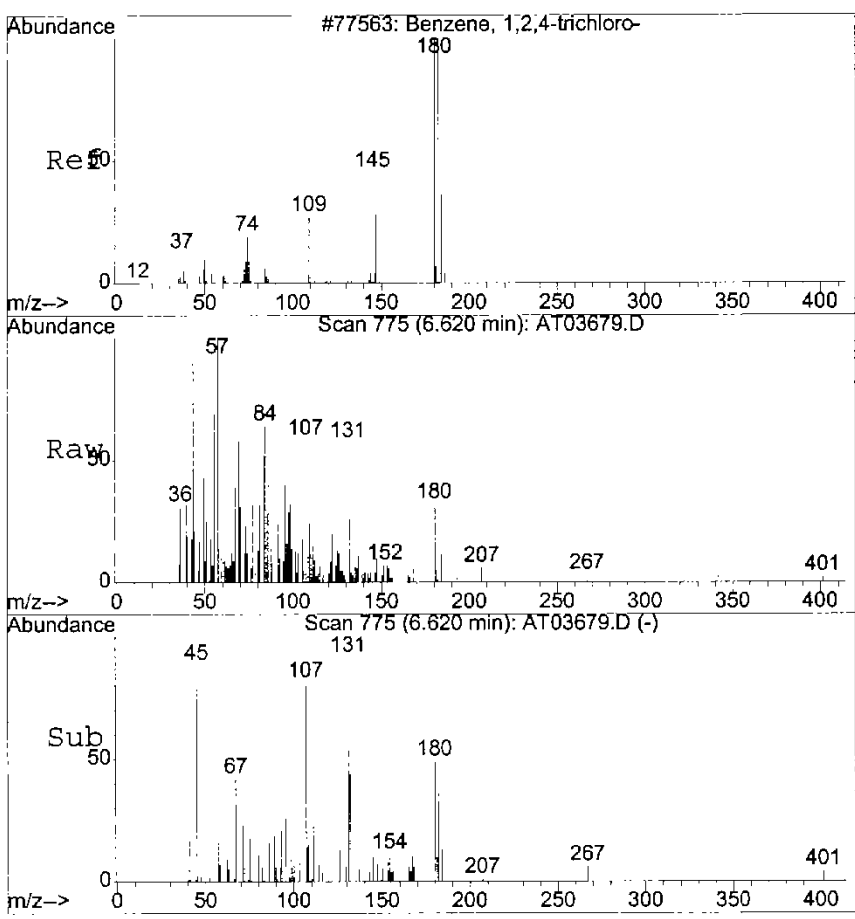


#30
Benzoic Acid
Concen: 917.95 ug/L
RT: 6.46 min Scan# 745
Delta R.T. -0.04 min
Lab File: AT03679.D
Acq: 25 Feb 2005 4:32 pm

Tgt Ion:105 Resp: 62729

Ion	Ratio	Lower	Upper
105	100		
122	96.8	58.0	118.0
77	62.0	34.2	94.2

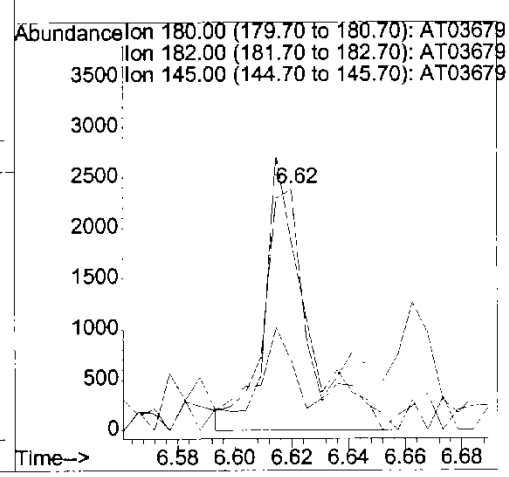




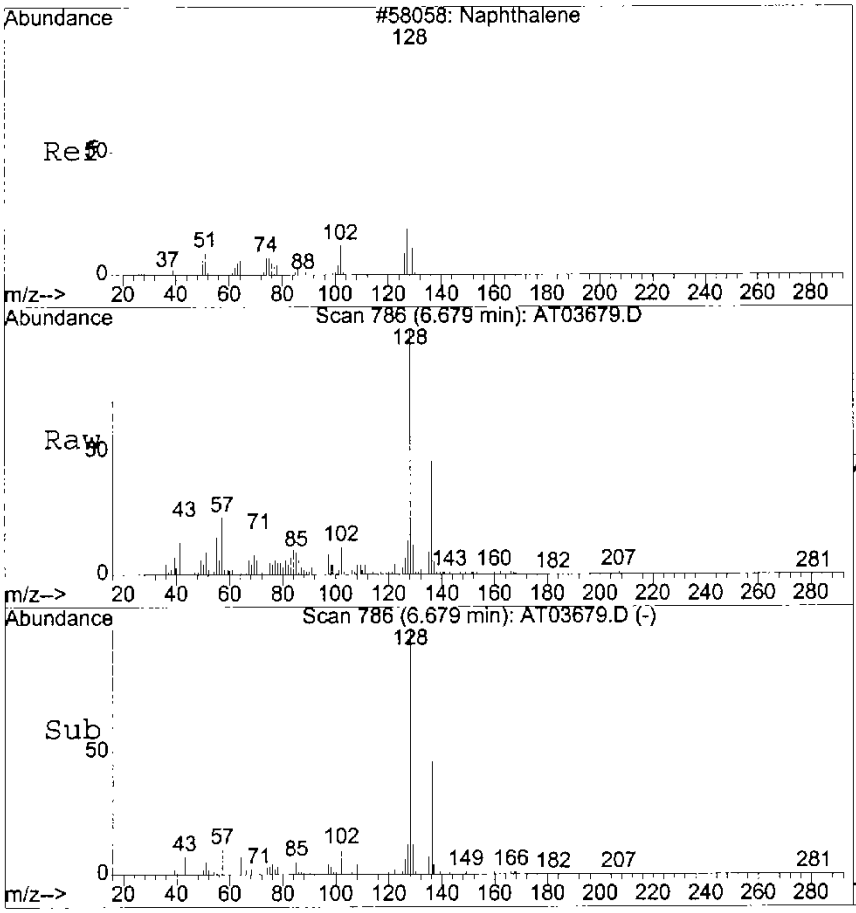
#32
1,2,4-Trichlorobenzene
Concen: 10.88 ug/L
RT: 6.62 min Scan# 775
Delta R.T. -0.00 min
Lab File: AT03679.D
Acq: 25 Feb 2005 4:32 pm

Tgt Ion:180 Resp: 2735

Ion	Ratio	Lower	Upper
180	100		
182	73.8	67.2	127.2
145	9.4	0.0	57.2



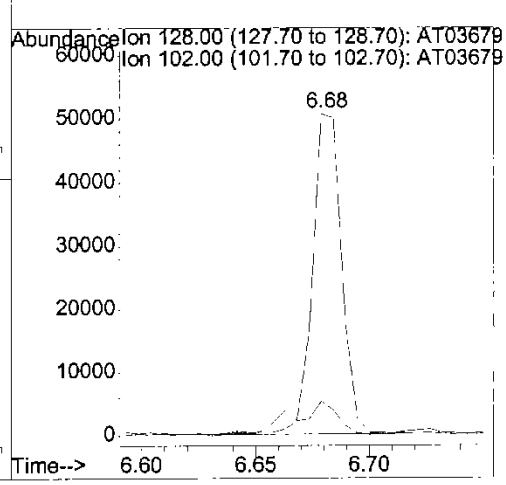
00443

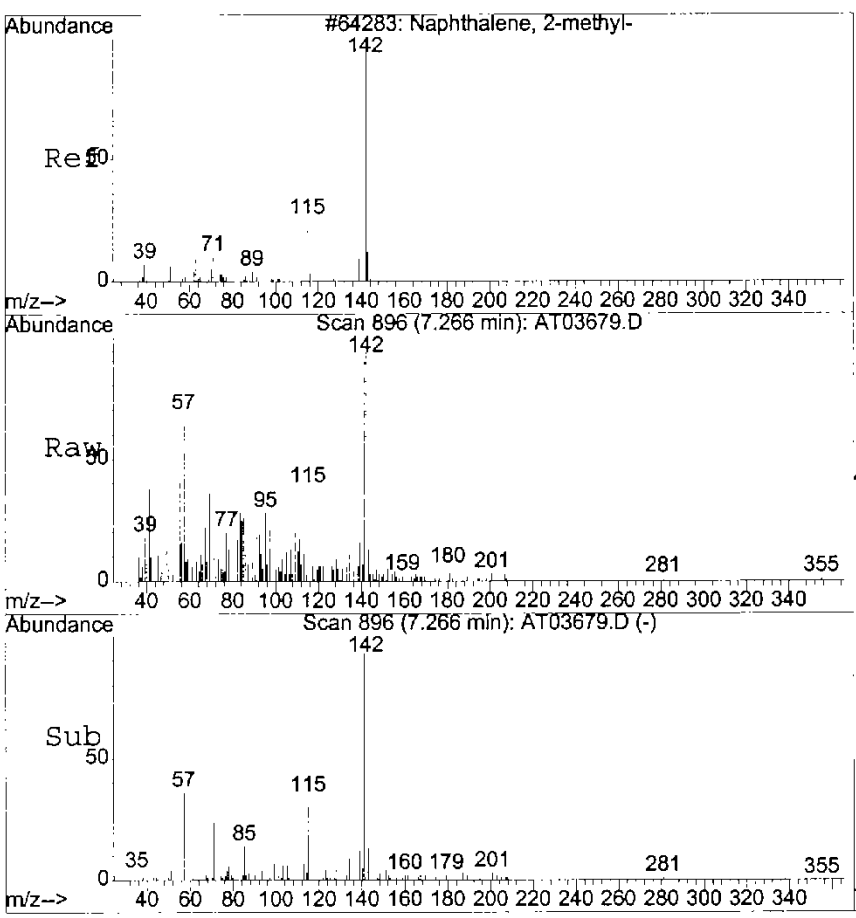


#33
Naphthalene
Concen: 59.78 ug/L
RT: 6.68 min Scan# 786
Delta R.T. -0.01 min
Lab File: AT03679.D
Acq: 25 Feb 2005 4:32 pm

Tgt Ion:128 Resp: 45342

Ion	Ratio	Lower	Upper
128	100		
102	10.4	0.0	37.8

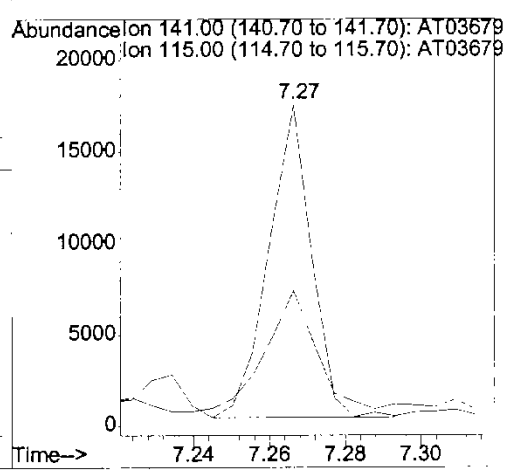




#37
2-Methylnaphthalene
Concen: 33.35 ug/L
RT: 7.27 min Scan# 896
Delta R.T. 0.01 min
Lab File: AT03679.D
Acq: 25 Feb 2005 4:32 pm

Tgt Ion:141 Resp: 13402

Ion	Ratio	Lower	Upper
141	100		
115	37.4	2.2	62.2



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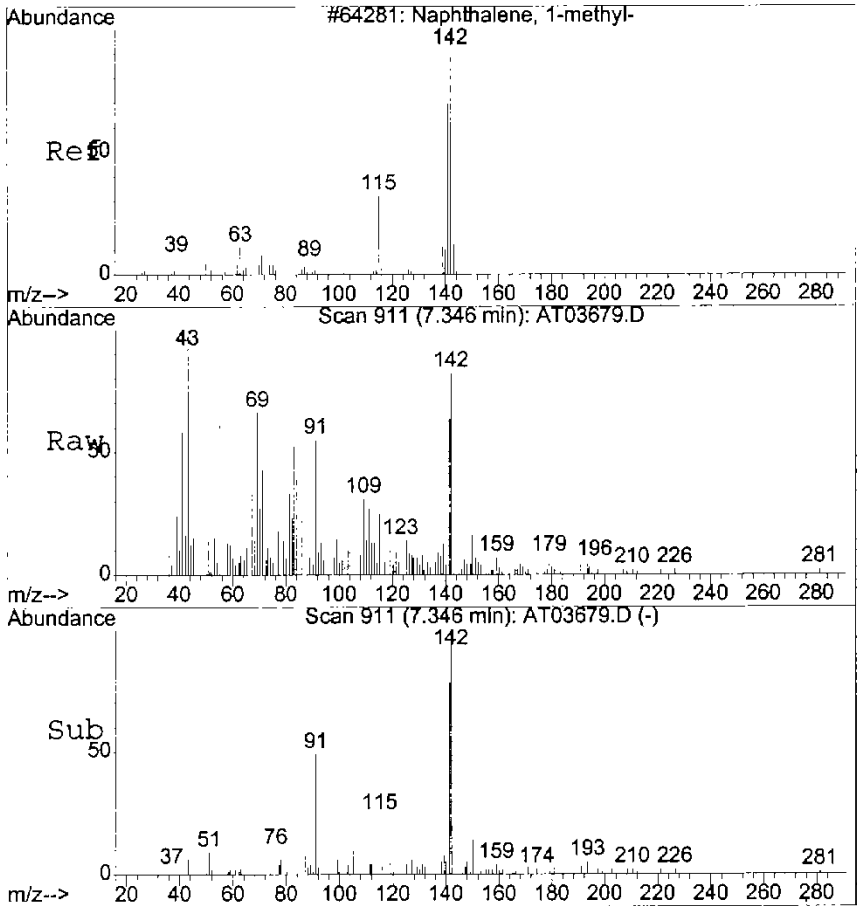
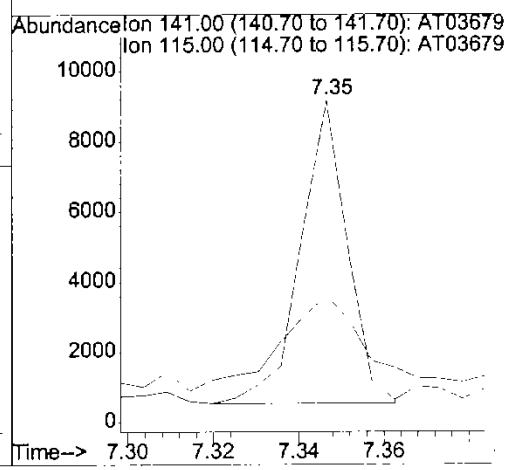
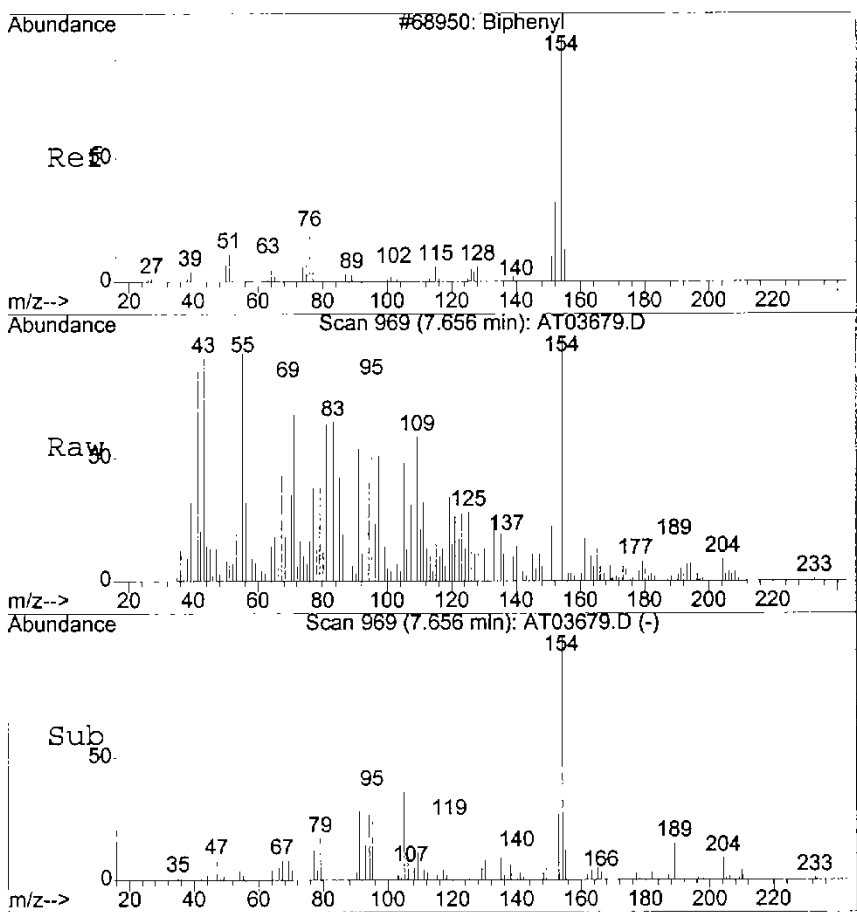


#38
1-Methylnaphthalene
Concen: 15.62 ul/l
RT: 7.35 min Scan# 911
Delta R.T. 0.00 min
Lab File: AT03679.D
Acq: 25 Feb 2005 4:32 pm

Tgt Ion:141 Resp: 6540

Ion	Ratio	Lower	Upper
141	100		
115	26.0	2.6	62.6

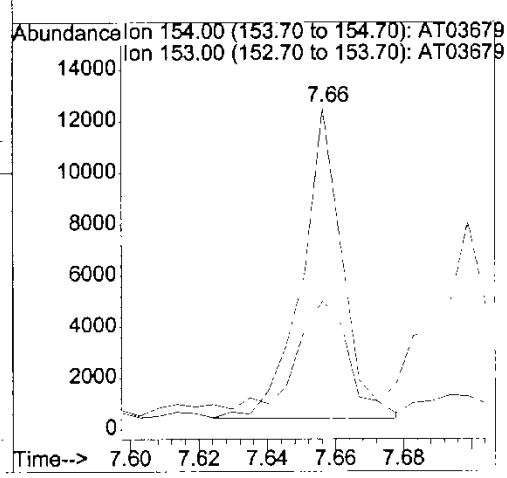




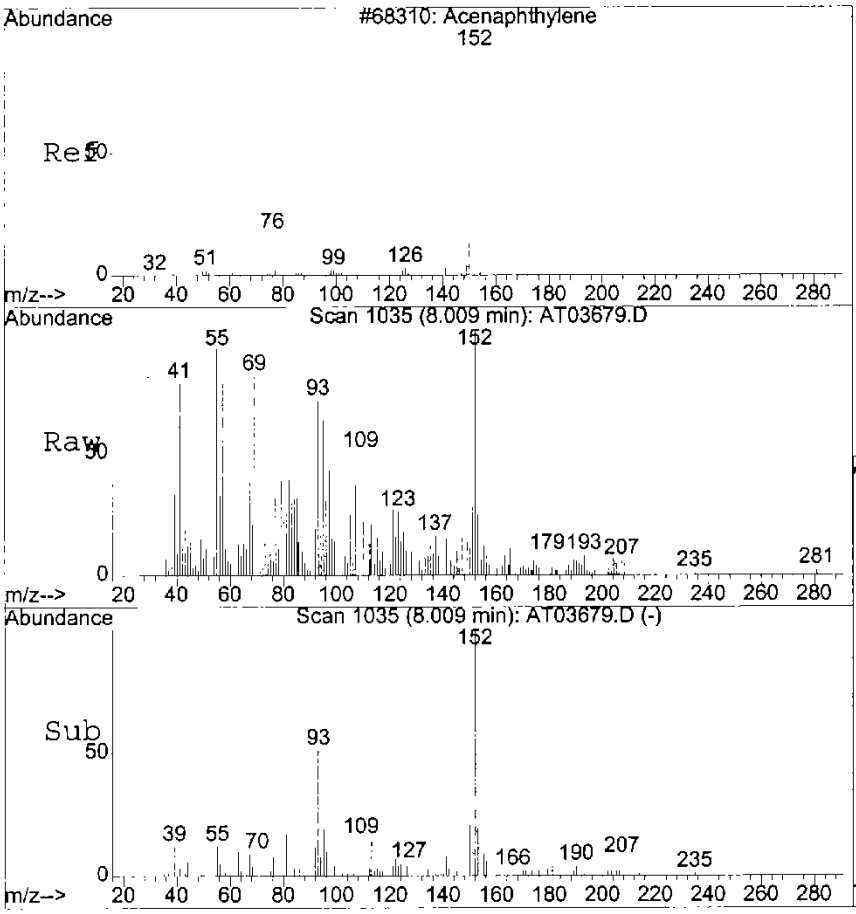
#46
Biphenyl
Concen: 16.95 ul/L
RT: 7.66 min Scan# 969
Delta R.T. -0.01 min
Lab File: AT03679.D
Acq: 25 Feb 2005 4:32 pm

Tgt Ion:154 Resp: 9948

Ion	Ratio	Lower	Upper
154	100		
153	47.0	9.4	69.4



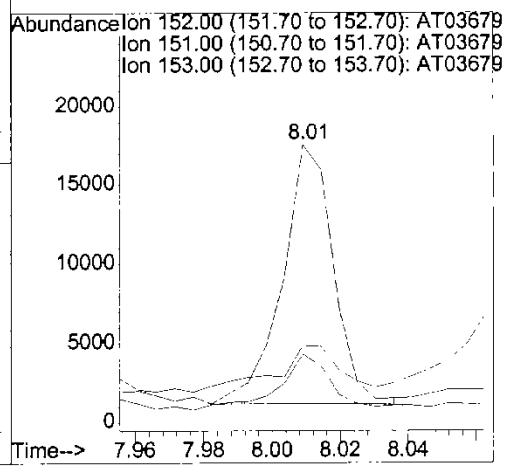
00445

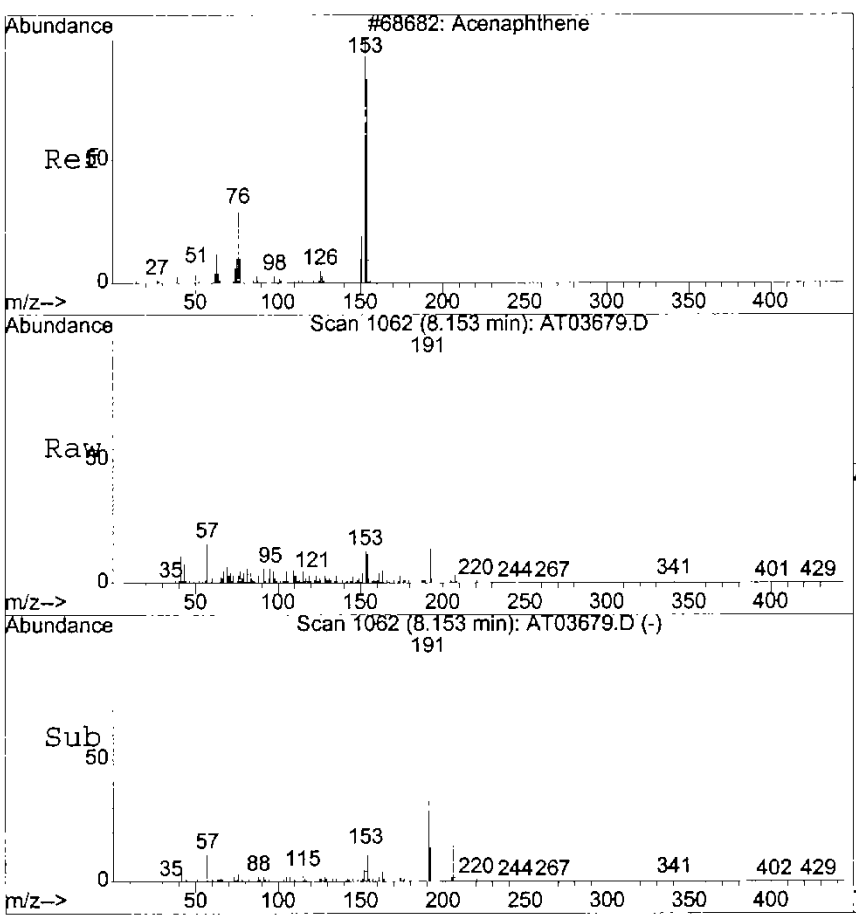


#49
Acenaphthylene
Concen: 23.47 ug/L
RT: 8.01 min Scan# 1035
Delta R.T. -0.01 min
Lab File: AT03679.D
Acq: 25 Feb 2005 4:32 pm

Tgt Ion:152 Resp: 16949

Ion	Ratio	Lower	Upper
152	100		
151	15.3	0.0	49.4
153	19.9	0.0	43.0

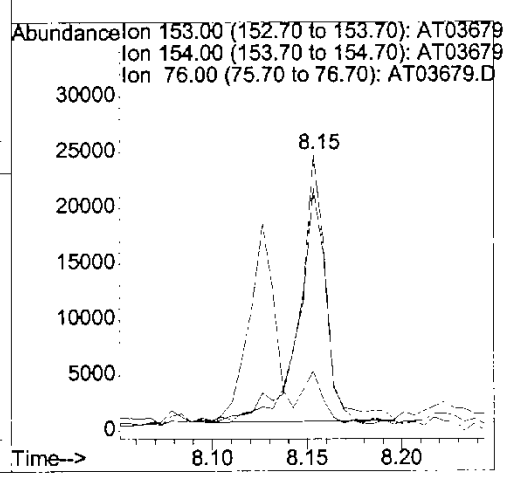




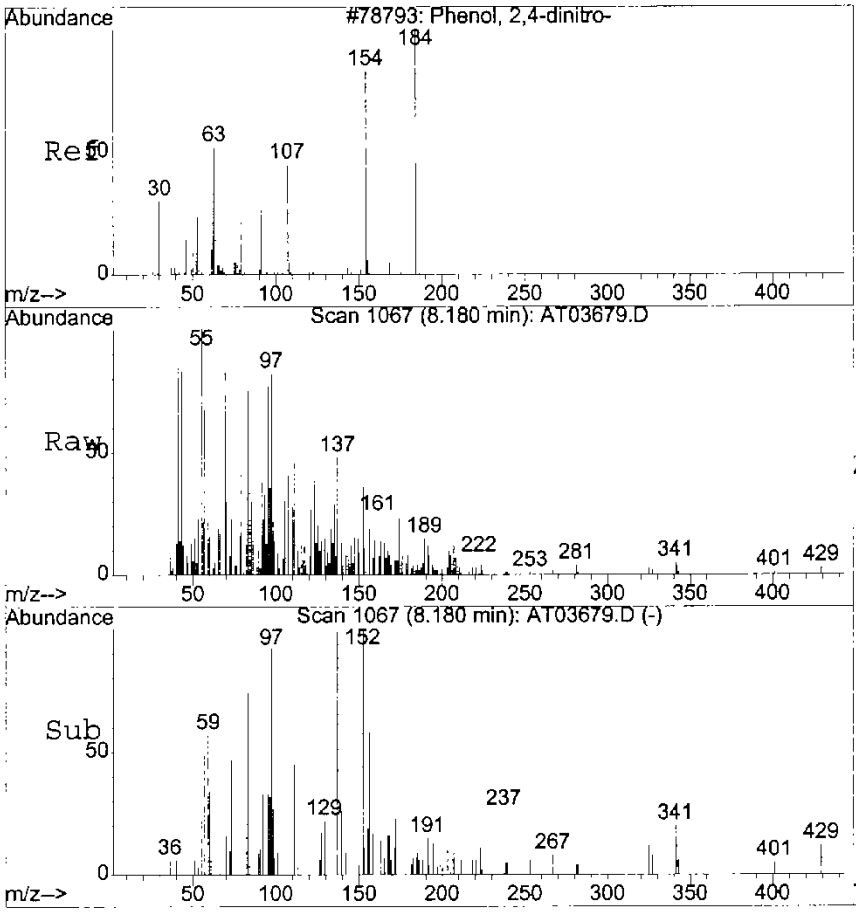
#52
Acenaphthene
Concen: 49.32 ug/L
RT: 8.15 min Scan# 1062
Delta R.T. -0.01 min
Lab File: AT03679.D
Acq: 25 Feb 2005 4:32 pm

Tgt Ion:153 Resp: 23438

Ion	Ratio	Lower	Upper
153	100		
154	88.3	53.5	113.5
76	19.8	0.0	50.2



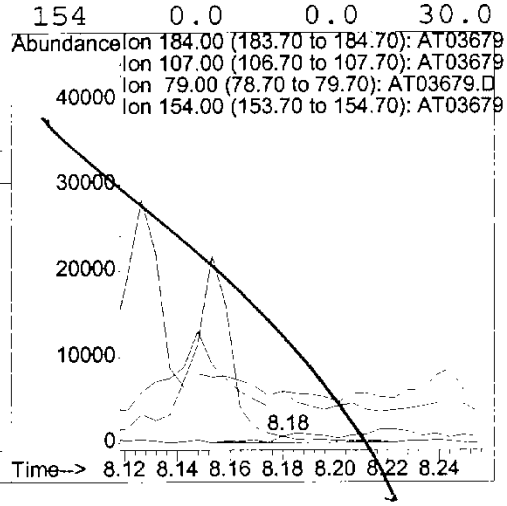
000446

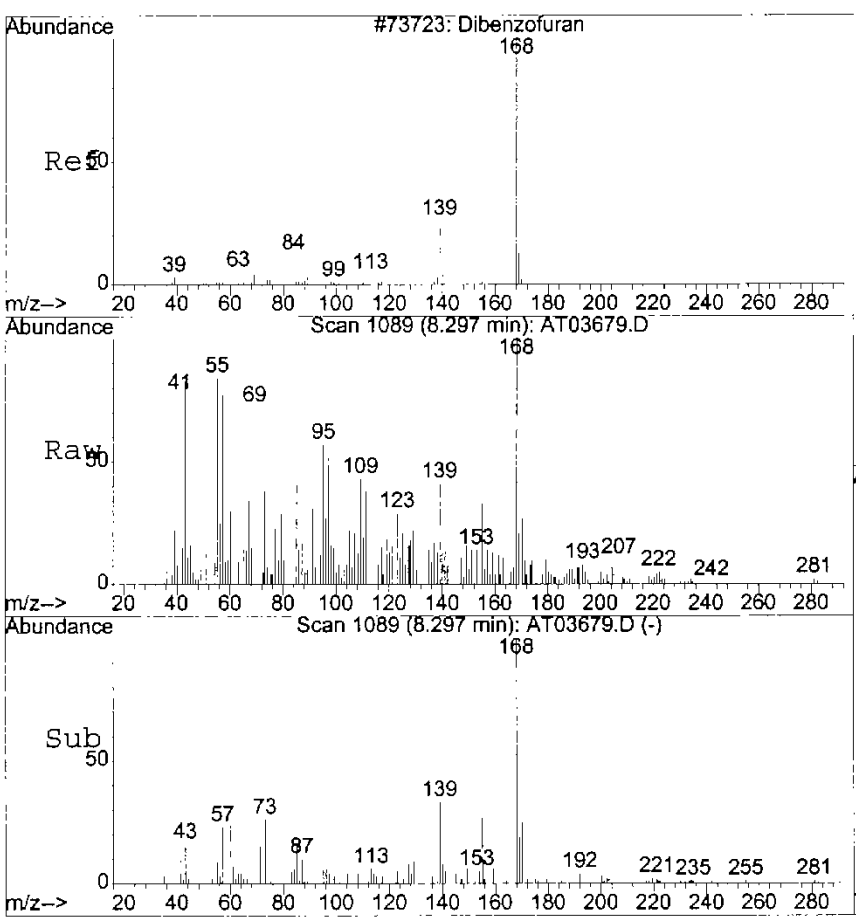


#53
2,4-Dinitrophenol
Concen: 363.56 ug/L
RT: 8.18 min Scan# 1067
Delta R.T. -0.01 min
Lab File: AT03679.D
Acq: 25 Feb 2005 4:32 pm

Tgt Ion:184 Resp: 1113

Ion	Ratio	Lower	Upper
184	100		
107	0.0	0.0	58.6
79	0.0	0.0	48.2
154	0.0	0.0	30.0

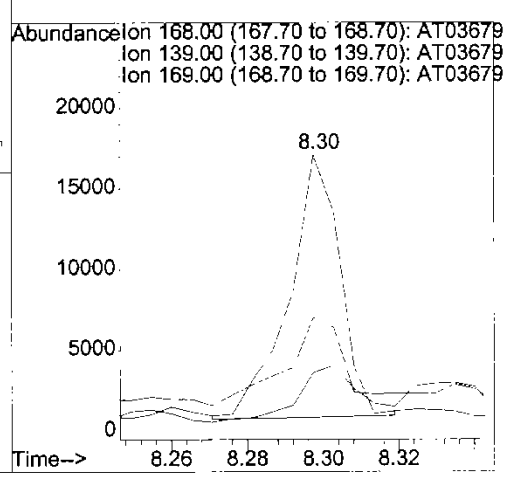




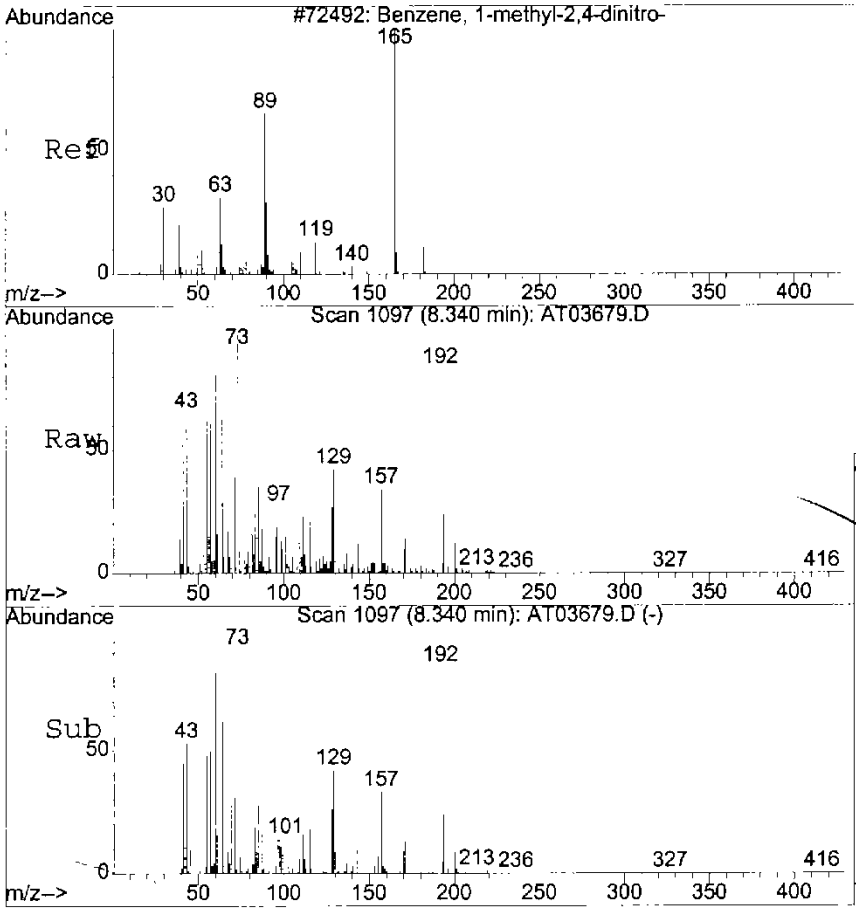
#55
Dibenzofuran
Concen: 23.74 ug/L
RT: 8.30 min Scan# 1089
Delta R.T. -0.00 min
Lab File: AT03679.D
Acq: 25 Feb 2005 4:32 pm

Tgt Ion:168 Resp: 15111

Ion	Ratio	Lower	Upper
168	100		
139	31.6	0.6	60.6
169	16.2	0.0	42.8



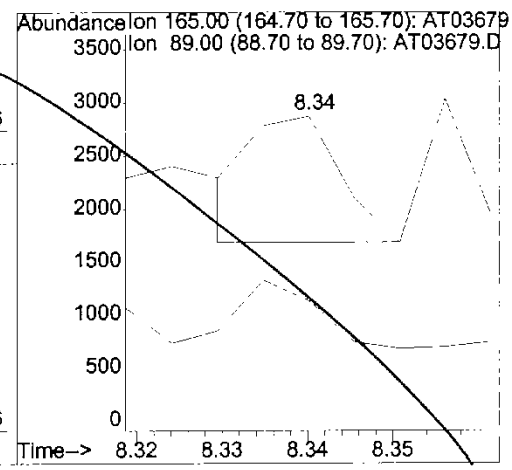
00447

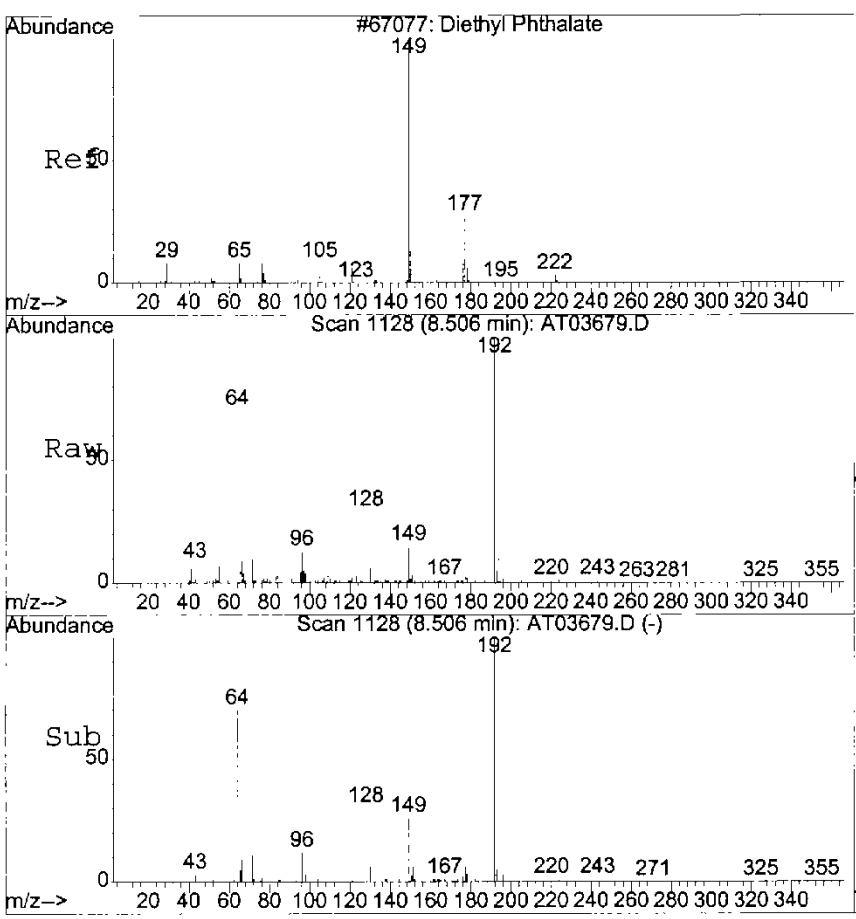


#56
2,4-Dinitrotoluene
Concen: 36.64 ug/L
RT: 8.34 min Scan# 1097
Delta R.T. 0.04 min
Lab File: AT03679.D
Acq: 25 Feb 2005 4:32 pm

Tgt Ion:165 Resp: 865

Ion	Ratio	Lower	Upper
165	100		
89	41.6	22.1	82.1

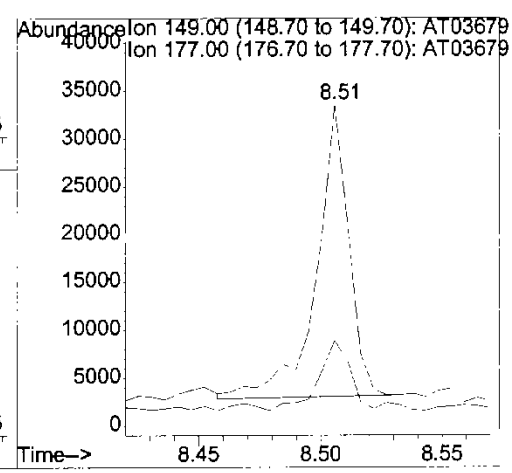


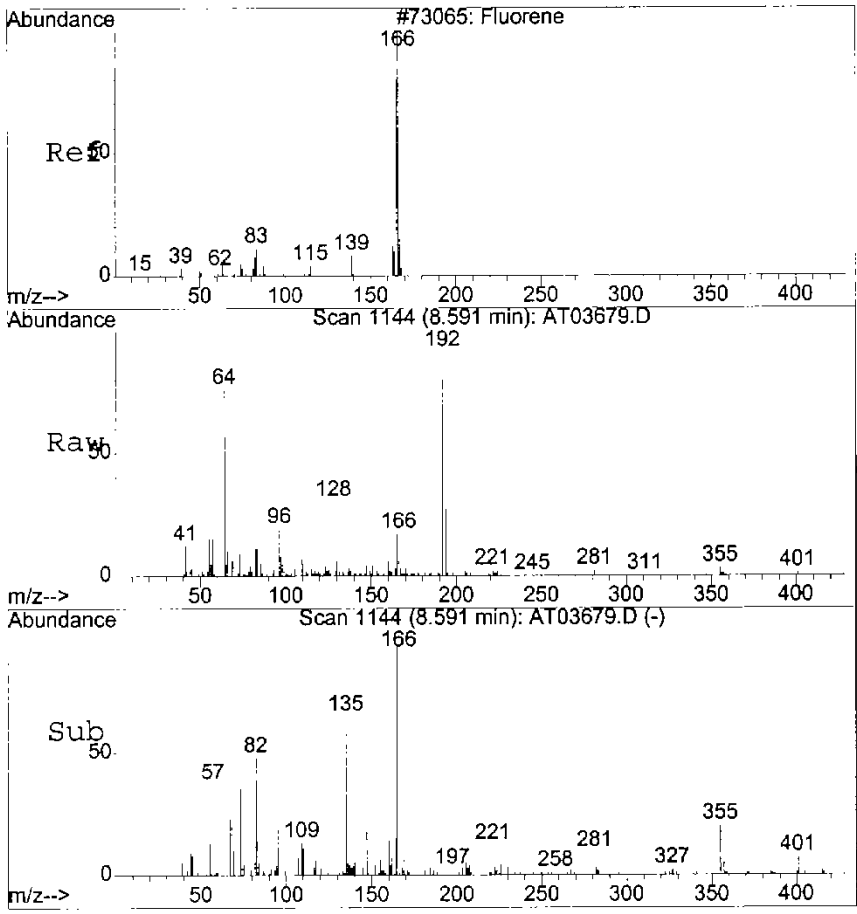


#59
Diethylphthalate
Concen: 54.39 ug/L
RT: 8.51 min Scan# 1128
Delta R.T. -0.00 min
Lab File: AT03679.D
Acq: 25 Feb 2005 4:32 pm

Tgt Ion:149 Resp: 28287

Ion	Ratio	Lower	Upper
149	100		
177	23.1	0.0	53.1

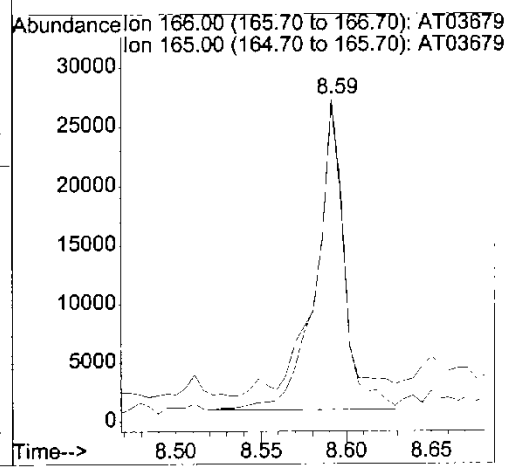


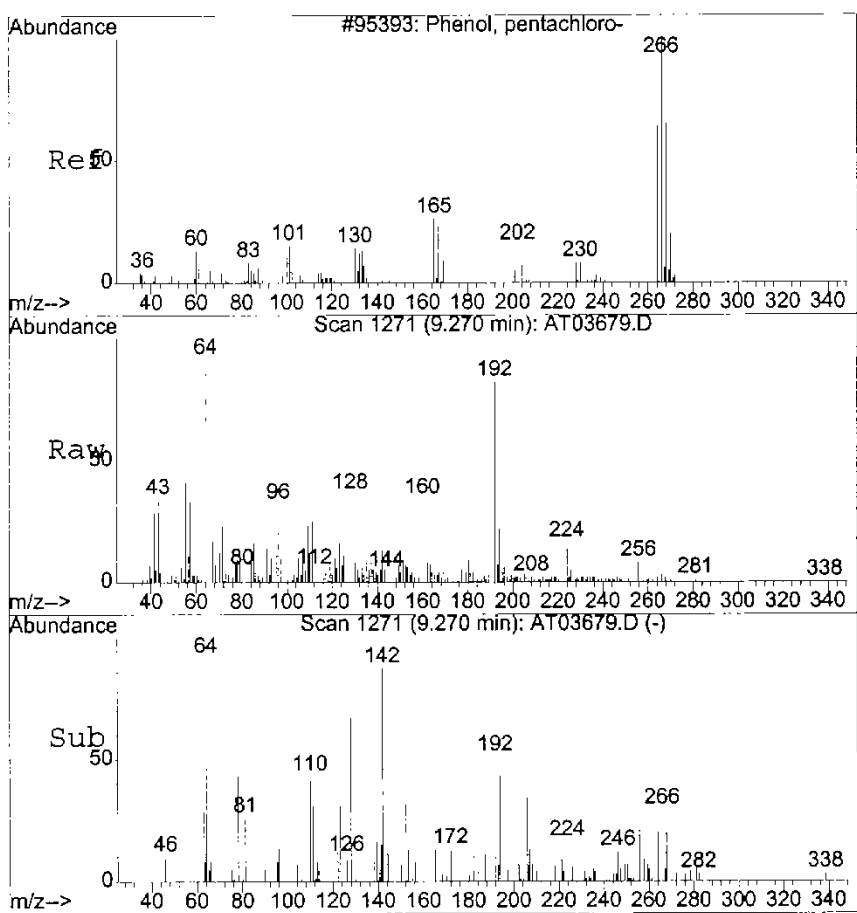


#60
Fluorene
Concen: 62.58 ug/L
RT: 8.59 min Scan# 1144
Delta R.T. -0.01 min
Lab File: AT03679.D
Acq: 25 Feb 2005 4:32 pm

Tgt Ion:166 Resp: 30659

Ion	Ratio	Lower	Upper
166	100		
165	92.4	65.1	125.1

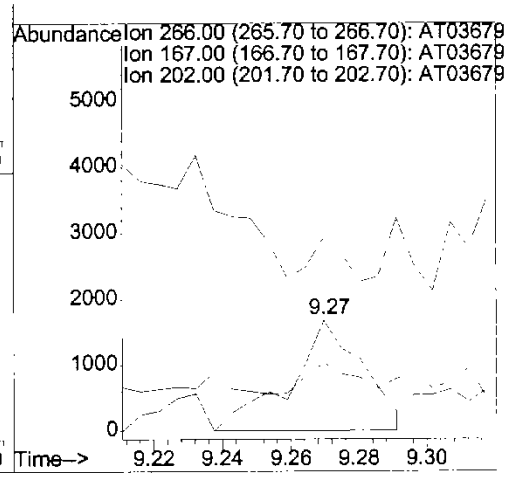


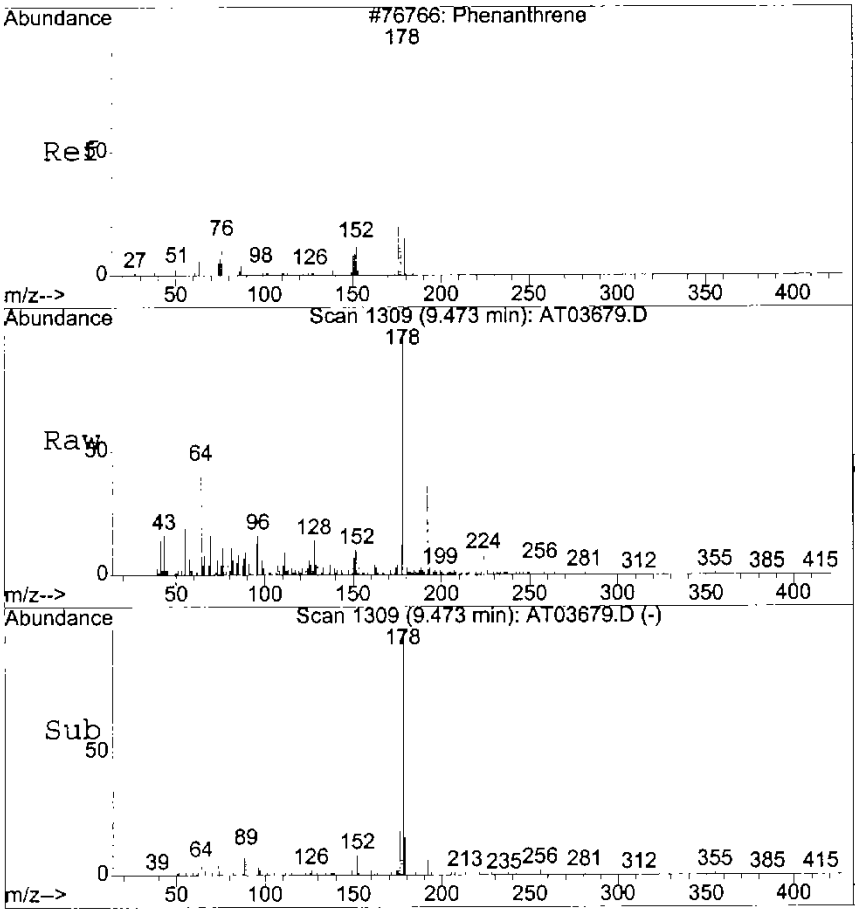


#70
Pentachlorophenol
Concen: 28.54 ug/L
RT: 9.27 min Scan# 1271
Delta R.T. -0.00 min
Lab File: AT03679.D
Acq: 25 Feb 2005 4:32 pm

Tgt Ion:266 Resp: 2488

Ion	Ratio	Lower	Upper
266	100		
167	0.0	0.0	59.5
202	12.9	0.0	48.3

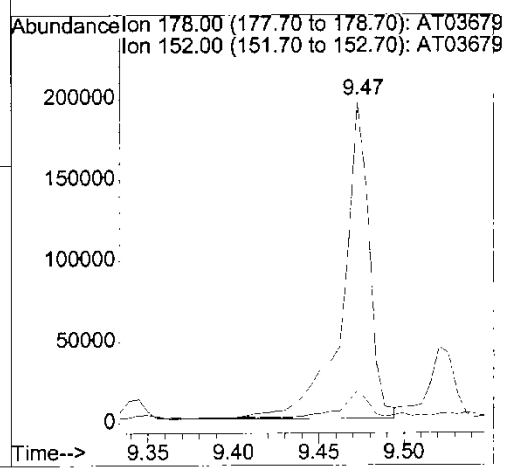


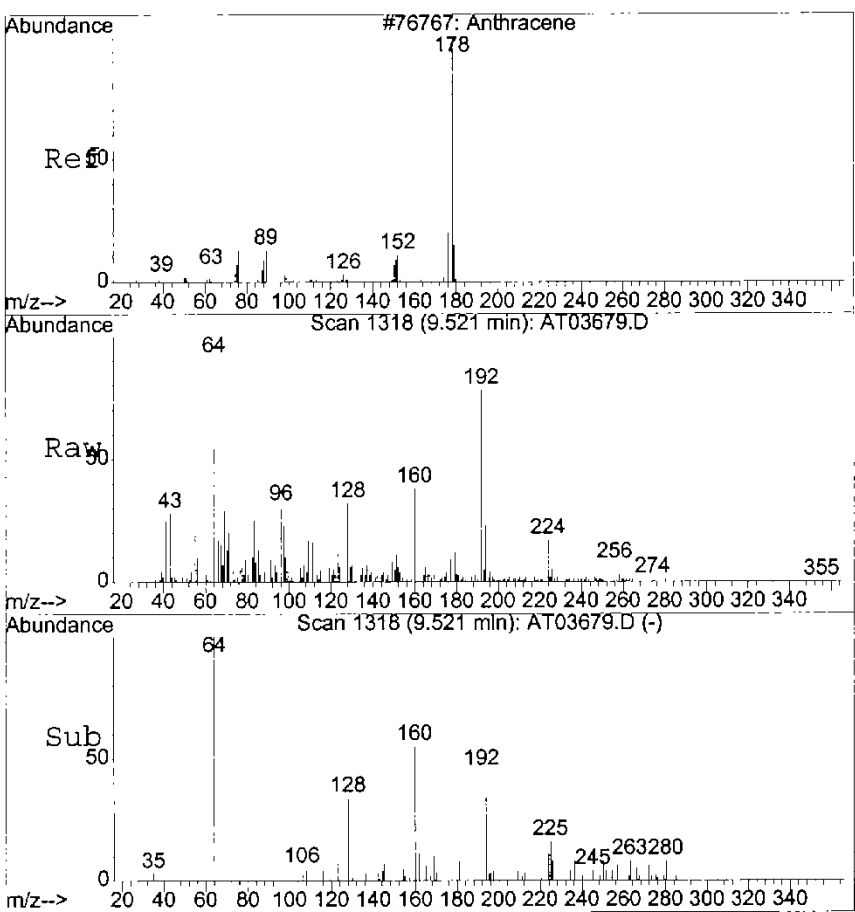


#71
Phenanthrene
Concen: 272.14 ug/L
RT: 9.47 min Scan# 1309
Delta R.T. 0.00 min
Lab File: AT03679.D
Acq: 25 Feb 2005 4:32 pm

Tgt Ion:178 Resp: 214422

Ion	Ratio	Lower	Upper
178	100		
152	8.2	0.0	39.1

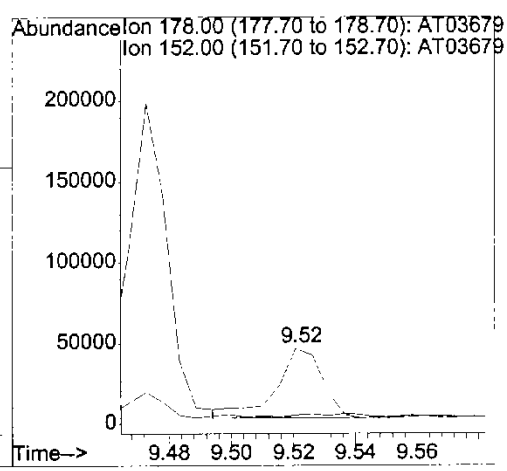


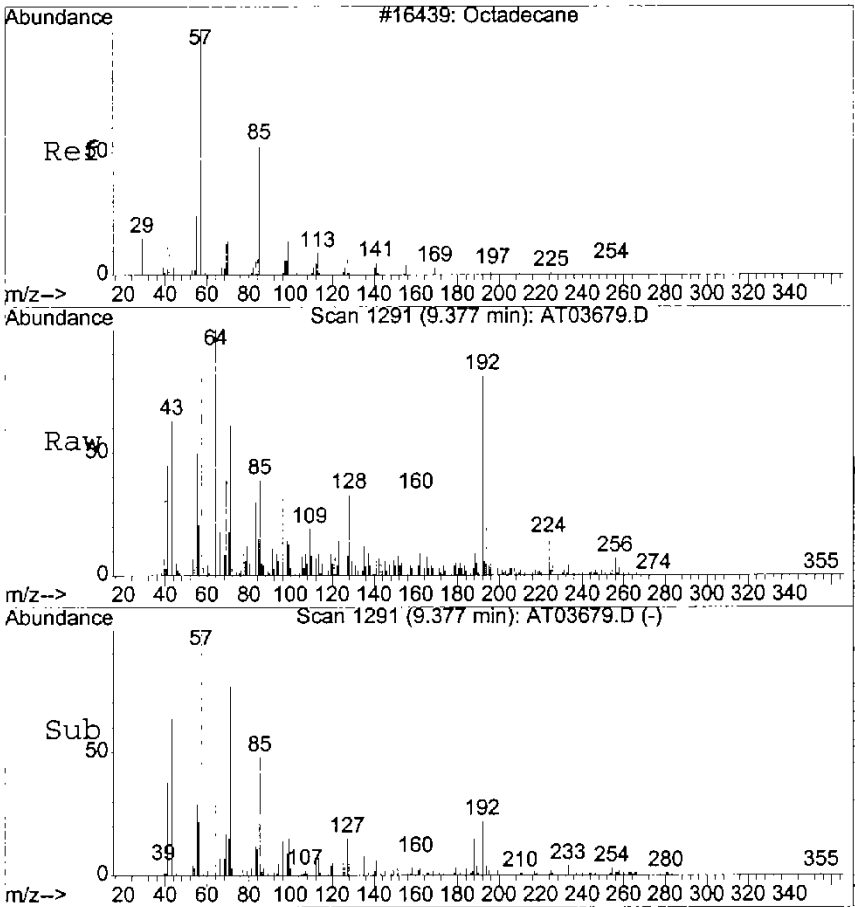


#72
Anthracene
Concen: 62.61 ug/L
RT: 9.52 min Scan# 1318
Delta R.T. 0.00 min
Lab File: AT03679.D
Acq: 25 Feb 2005 4:32 pm

Tgt Ion:178 Resp: 44739

Ion	Ratio	Lower	Upper
178	100		
152	2.3	0.0	37.3

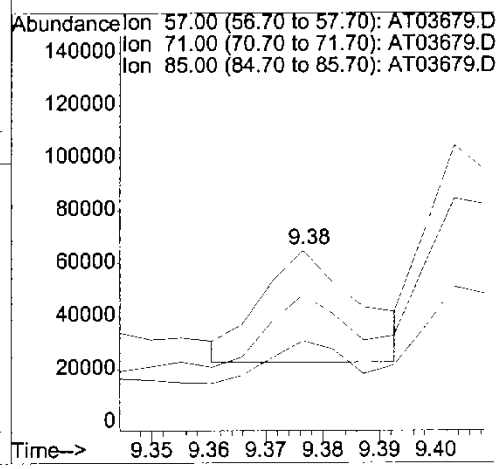


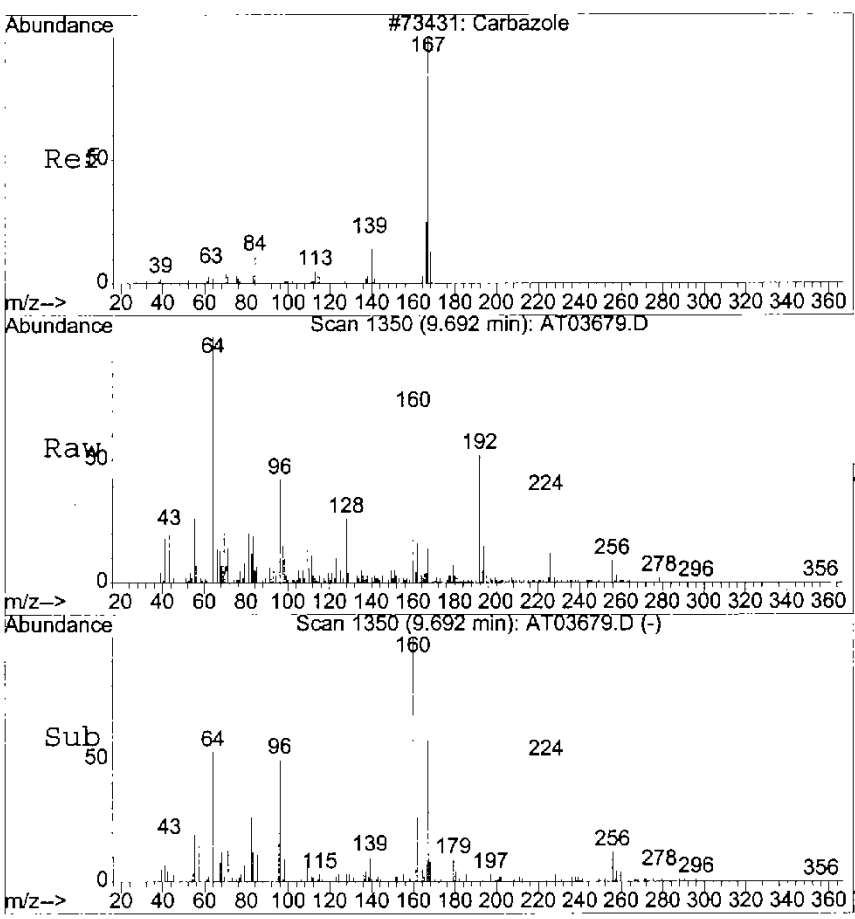


#73
Octadecane
Concen: 220.01 ul/L
RT: 9.38 min Scan# 1291
Delta R.T. 0.00 min
Lab File: AT03679.D
Acq: 25 Feb 2005 4:32 pm

Tgt Ion: 57 Resp: 50306

Ion	Ratio	Lower	Upper
57	100		
71	85.0	52.7	97.9
85	42.1	37.5	69.7

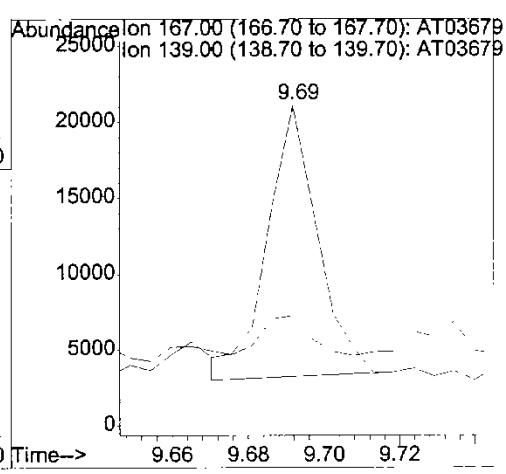


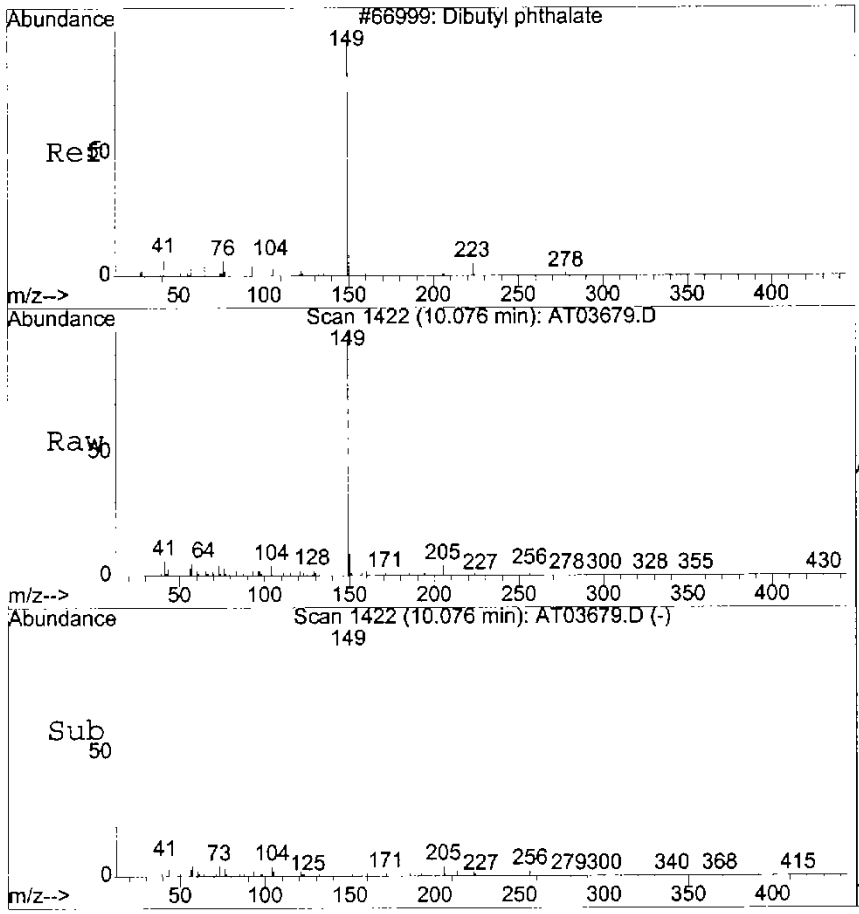


#74
Carbazole
Concen: 33.93 ug/L
RT: 9.69 min Scan# 1350
Delta R.T. 0.00 min
Lab File: AT03679.D
Acq: 25 Feb 2005 4:32 pm

Tgt Ion:167 Resp: 16412

Ion	Ratio	Lower	Upper
167	100		
139	13.8	0.0	41.5

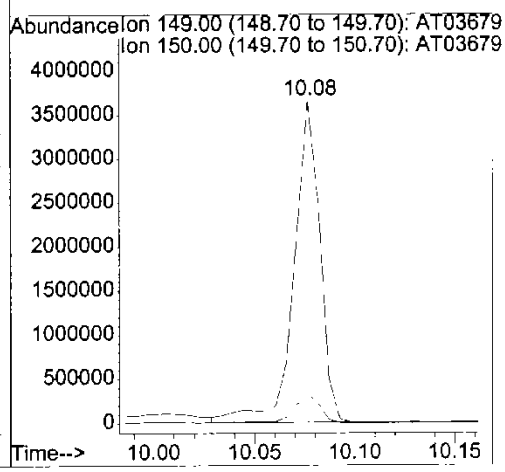


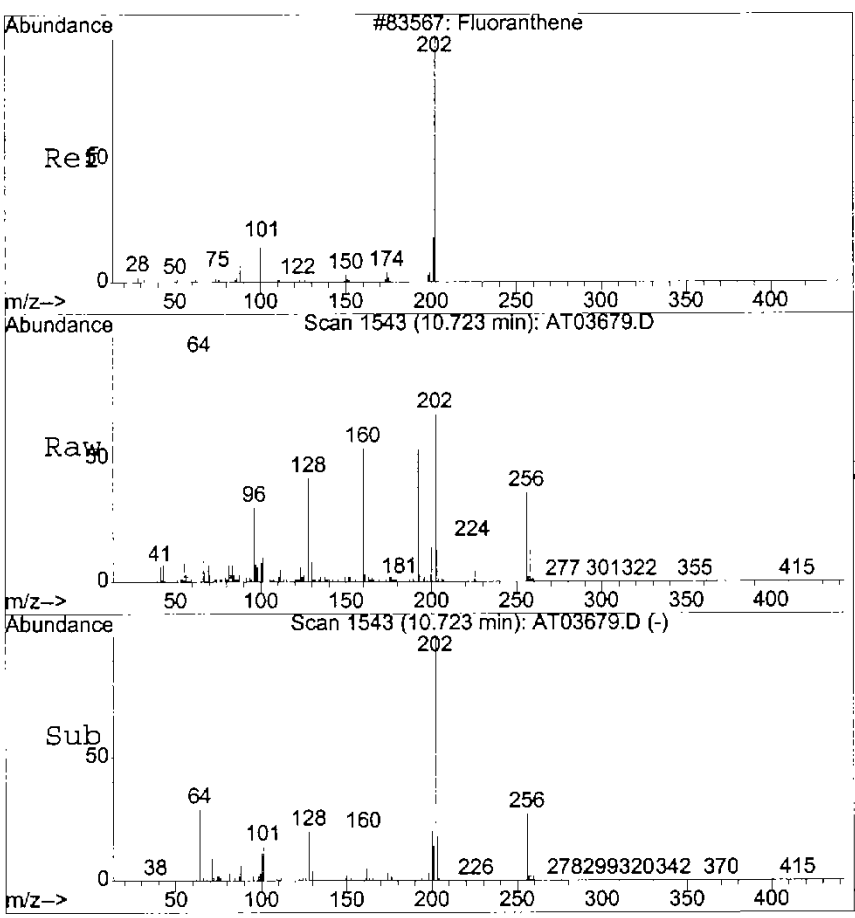


#75
Di-n-butylphthalate
Concen: 3854.24 ug/L
RT: 10.08 min Scan# 1422
Delta R.T. 0.01 min
Lab File: AT03679.D
Acq: 25 Feb 2005 4:32 pm

Tgt Ion:149 Resp: 3264336

Ion	Ratio	Lower	Upper
149	100		
150	9.0	0.0	39.0

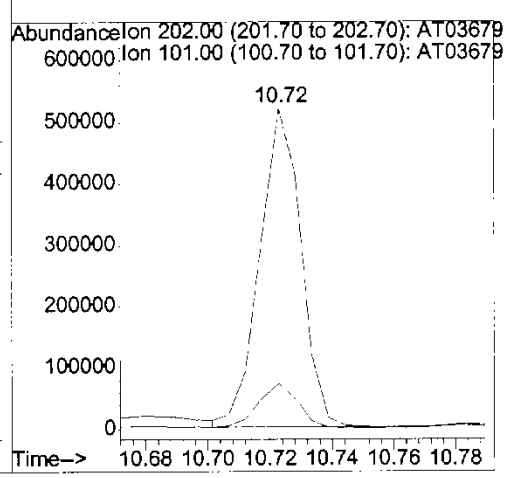


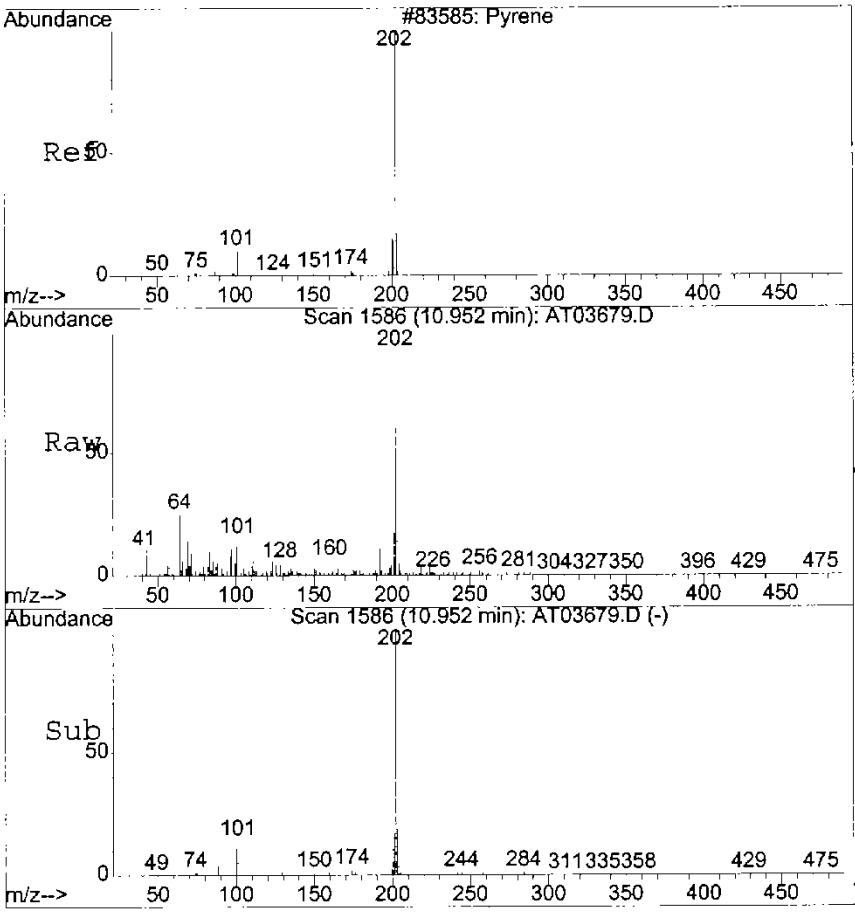


#76
Fluoranthene
Concen: 592.98 ug/L
RT: 10.72 min Scan# 1543
Delta R.T. 0.02 min
Lab File: AT03679.D
Acq: 25 Feb 2005 4:32 pm

Tgt Ion:202 Resp: 476856

Ion	Ratio	Lower	Upper
202	100		
101	13.9	0.0	43.7

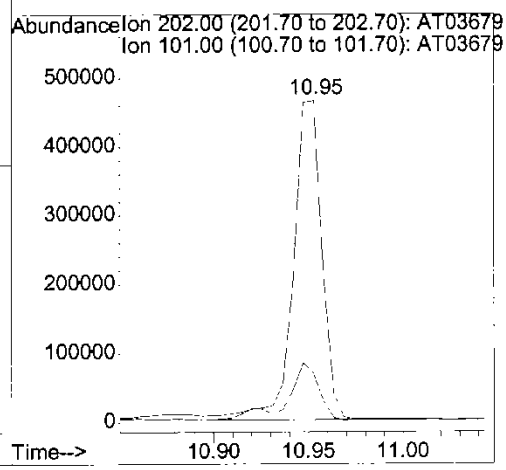


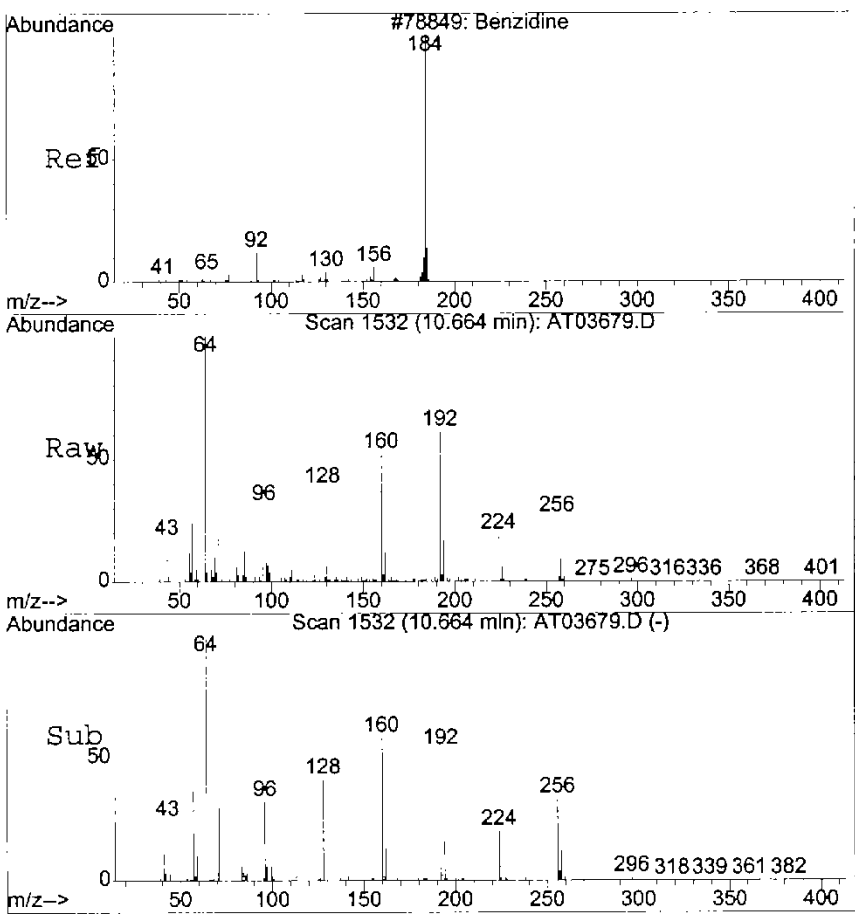


#77
Pyrene
Concen: 584.31 ug/L
RT: 10.95 min Scan# 1586
Delta R.T. 0.01 min
Lab File: AT03679.D
Acq: 25 Feb 2005 4:32 pm

Tgt Ion:202 Resp: 487374

Ion	Ratio	Lower	Upper
202	100		
101	14.5	0.0	45.3

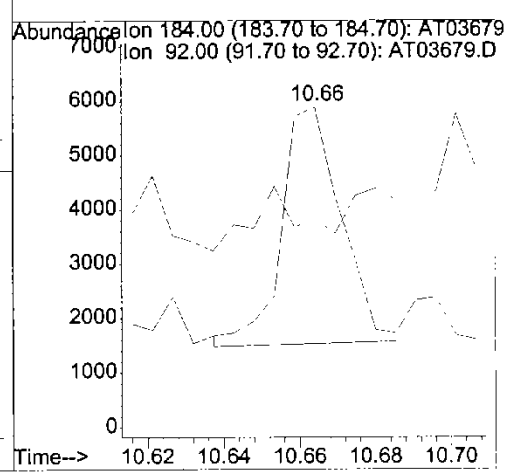


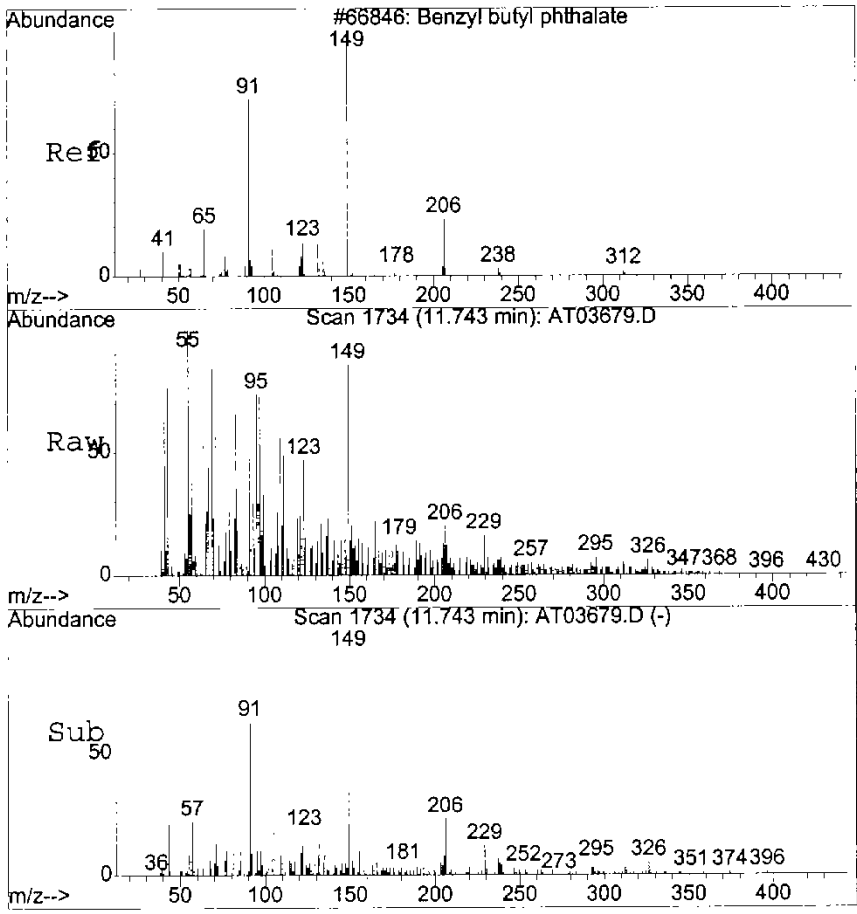


#78
Benzidine
Concen: 41.39 ul/l
RT: 10.66 min Scan# 1532
Delta R.T. -0.21 min
Lab File: AT03679.D
Acq: 25 Feb 2005 4:32 pm

Tgt Ion:184 Resp: 4734

Ion	Ratio	Lower	Upper
184	100		
92	23.2	0.0	38.7

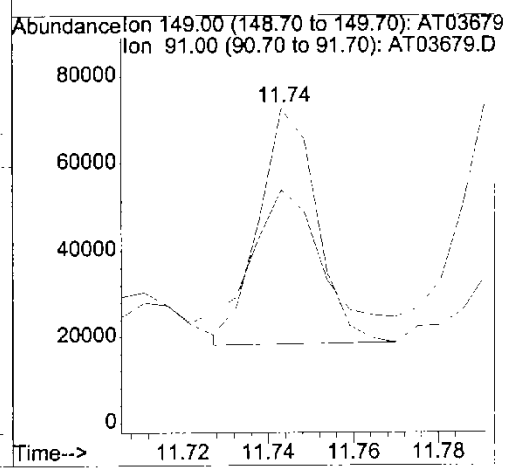


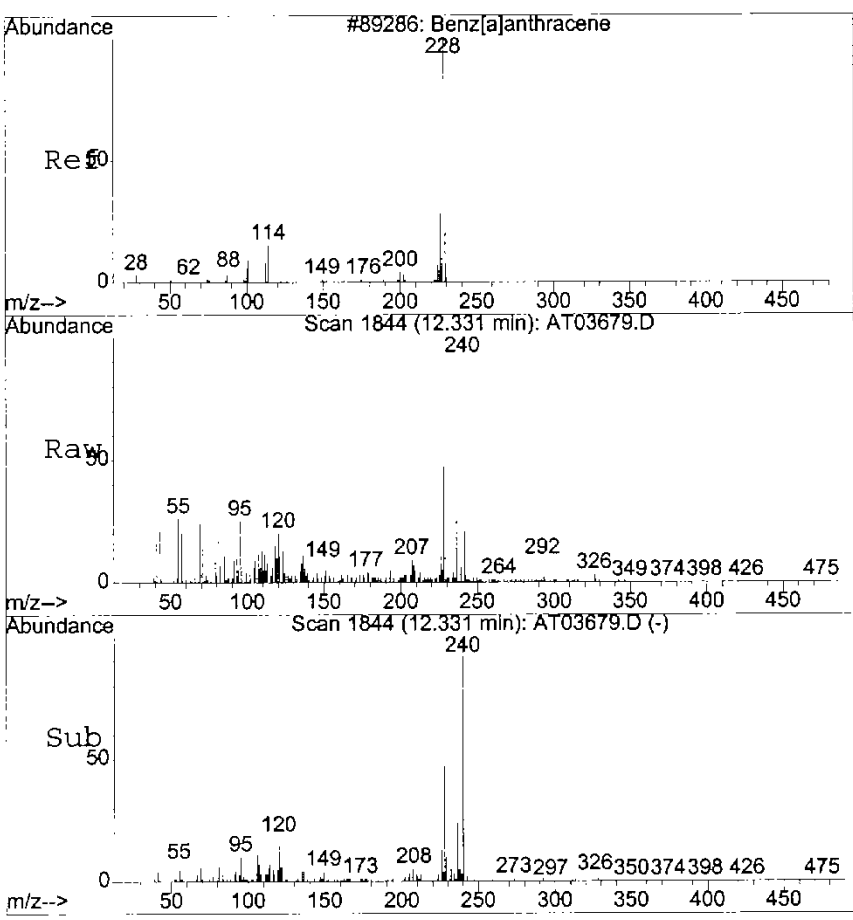


#81
Butylbenzylphthalate
Concen: 204.63 ug/L
RT: 11.74 min Scan# 1734
Delta R.T. 0.01 min
Lab File: AT03679.D
Acq: 25 Feb 2005 4:32 pm

Tgt Ion:149 Resp: 51354

Ion	Ratio	Lower	Upper
149	100		
91	54.5	30.6	90.6

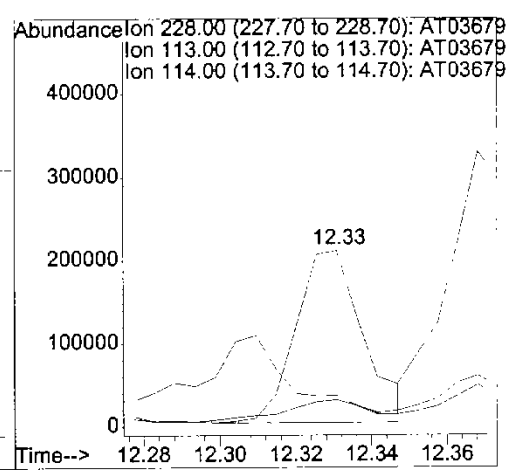


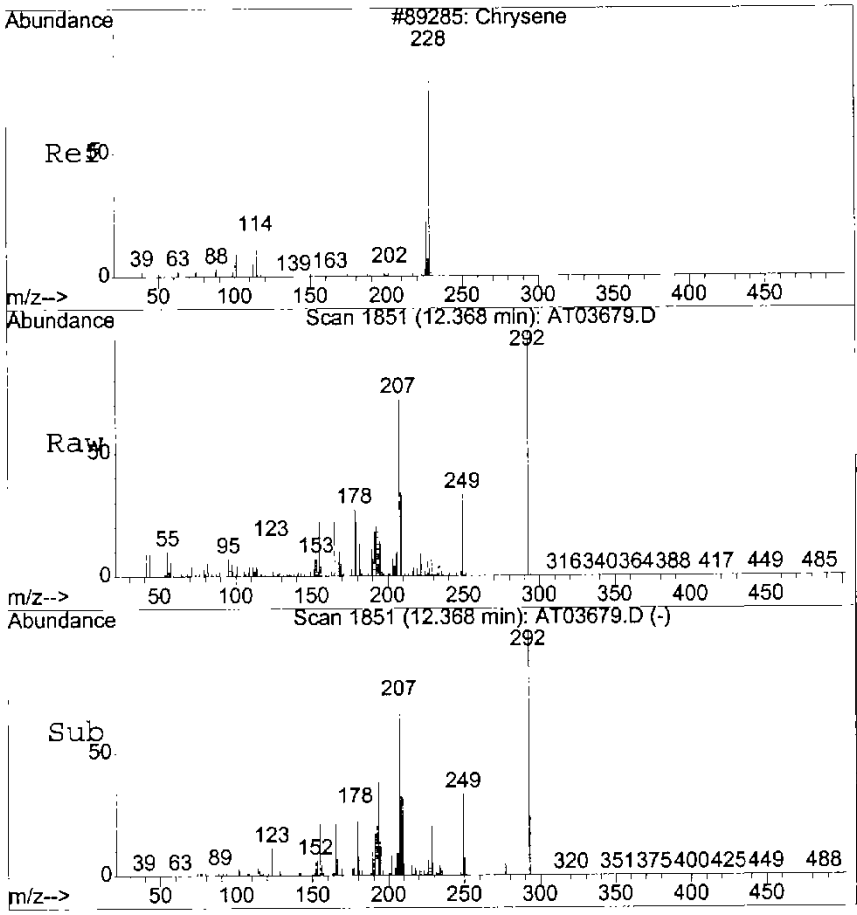


#82
Benzo(a)anthracene
Concen: 336.68 ug/L
RT: 12.33 min Scan# 1844
Delta R.T. 0.01 min
Lab File: AT03679.D
Acq: 25 Feb 2005 4:32 pm

Tgt Ion:228 Resp: 255445

Ion	Ratio	Lower	Upper
228	100		
113	0.0	0.0	41.9
114	11.2	0.0	43.6

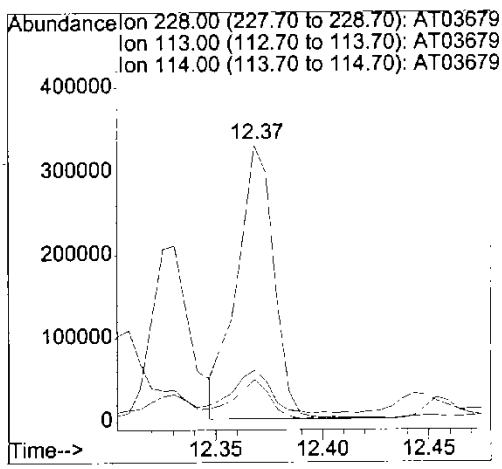


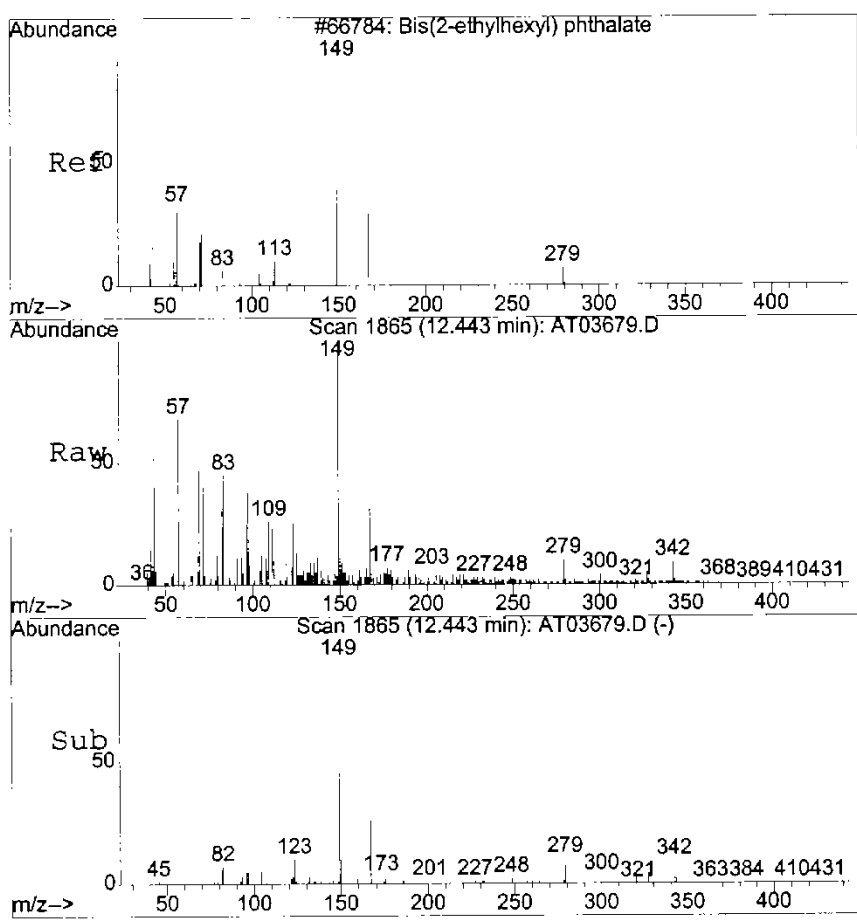


#84
Chrysene
Concen: 499.67 ug/L
RT: 12.37 min Scan# 1851
Delta R.T. 0.01 min
Lab File: AT03679.D
Acq: 25 Feb 2005 4:32 pm

Tgt Ion:228 Resp: 395158

Ion	Ratio	Lower	Upper
228	100		
113	14.2	0.0	41.9
114	13.5	0.0	40.2

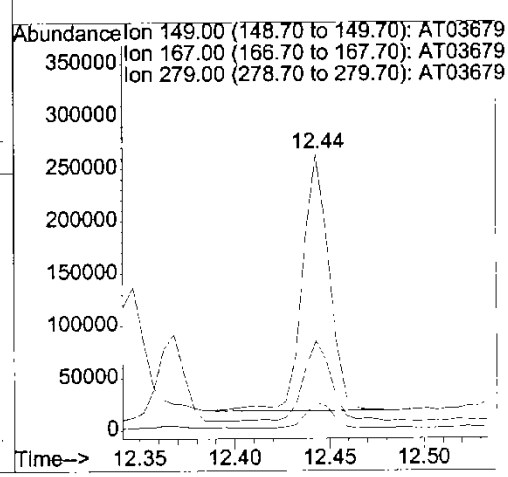


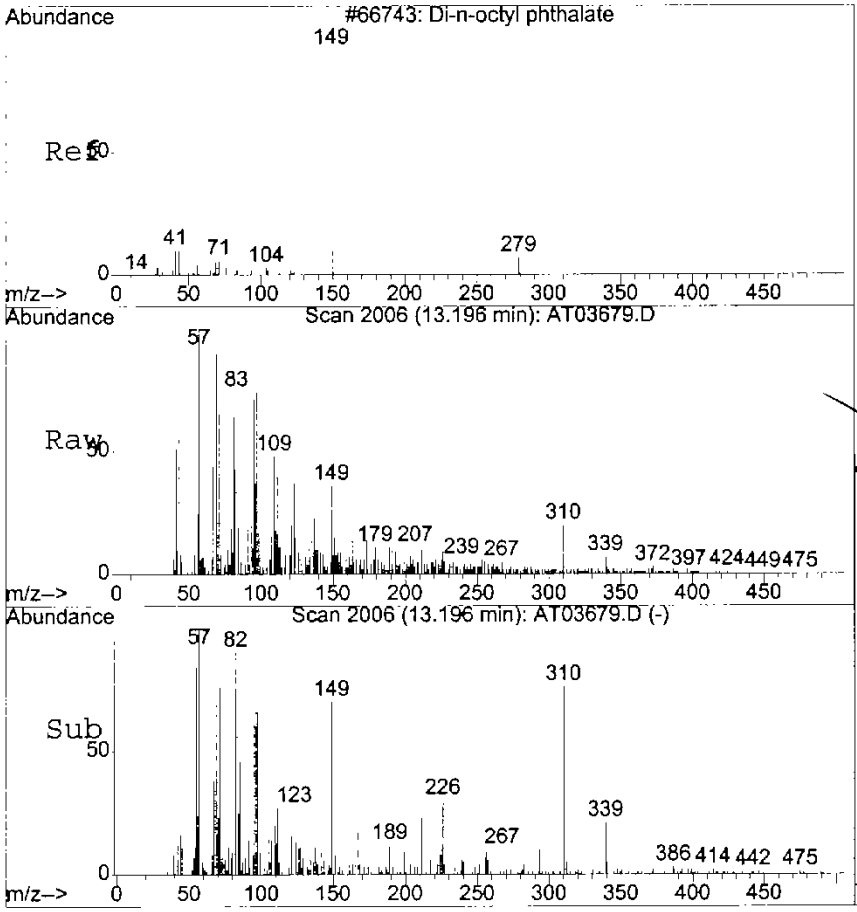


#85
bis(2-Ethylhexyl)phthalate
Concen: 491.33 ug/L
RT: 12.44 min Scan# 1865
Delta R.T. 0.01 min
Lab File: AT03679.D
Acq: 25 Feb 2005 4:32 pm

Tgt Ion:149 Resp: 240768

Ion	Ratio	Lower	Upper
149	100		
167	31.1	2.4	62.4
279	9.8	0.0	39.0

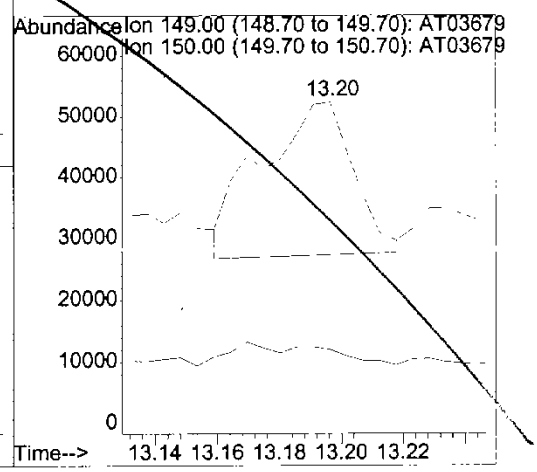


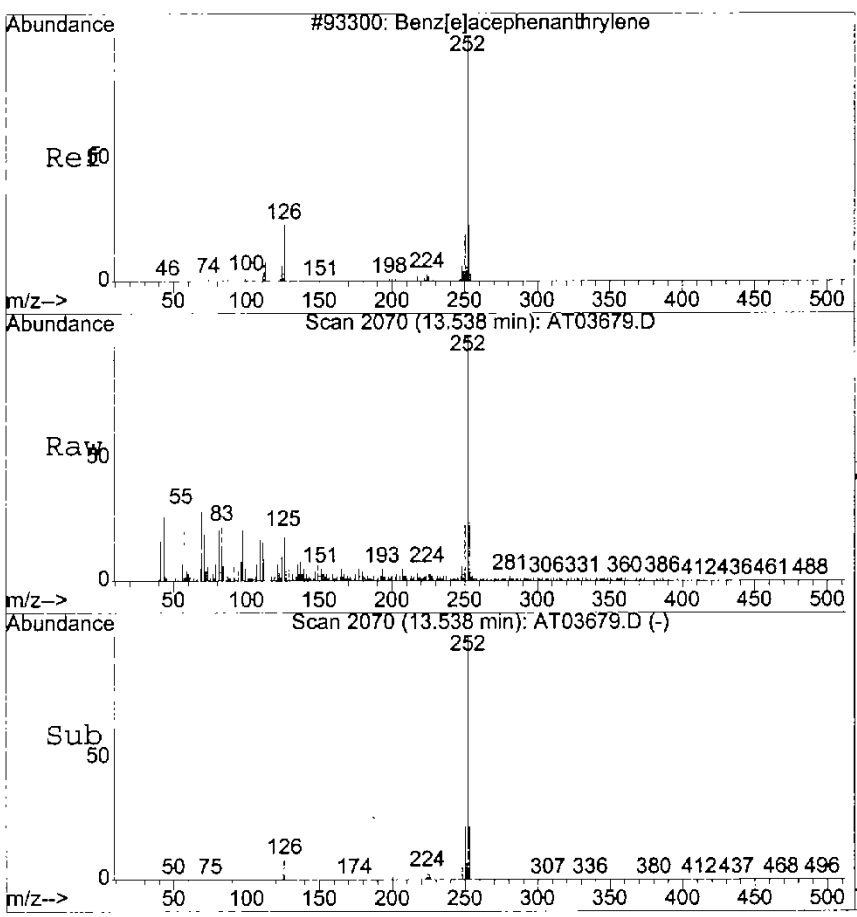


#87
Di-n-octylphthalate
Concen: 66.05 ug/L
RT: 13.20 min Scan# 2006
Delta R.T. 0.05 min
Lab File: AT03679.D
Acq: 25 Feb 2005 4:32 pm

Tgt Ion:149 Resp: 51624

Ion	Ratio	Lower	Upper
149	100		
150	8.4	0.0	39.5

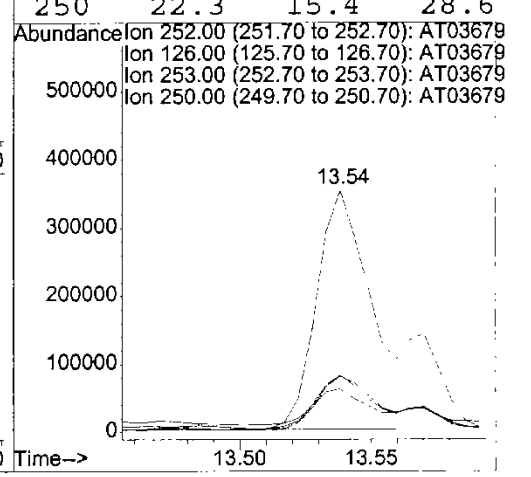


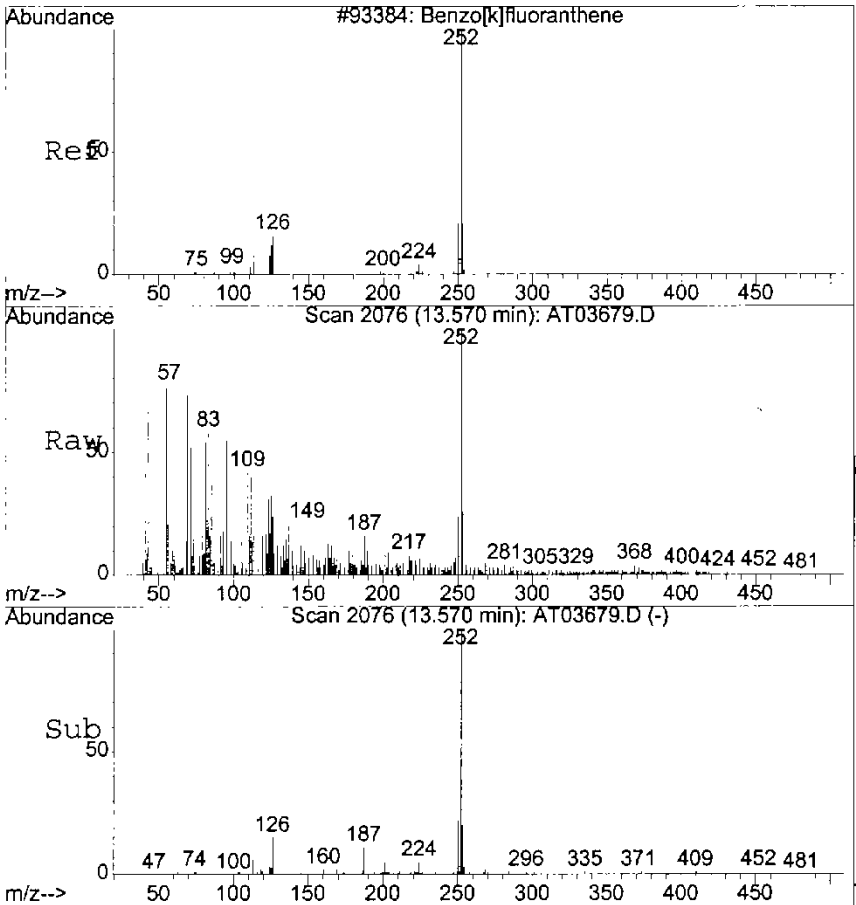


#88
Benzo(b)fluoranthene
Concen: 583.37 ul/l
RT: 13.54 min Scan# 2070
Delta R.T. 0.01 min
Lab File: AT03679.D
Acq: 25 Feb 2005 4:32 pm

Tgt Ion:252 Resp: 505081

Ion	Ratio	Lower	Upper
252	100		
126	14.7	11.5	21.5
253	22.0	15.6	29.0
250	22.3	15.4	28.6

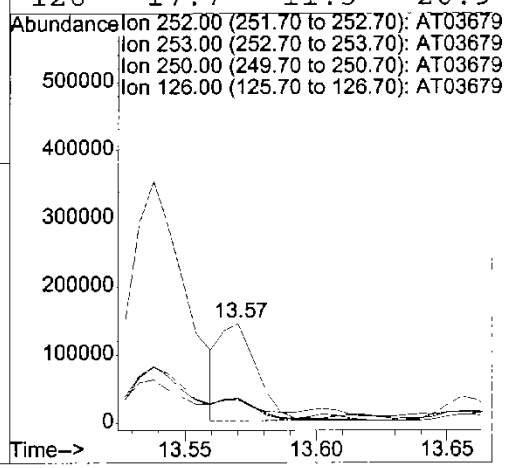


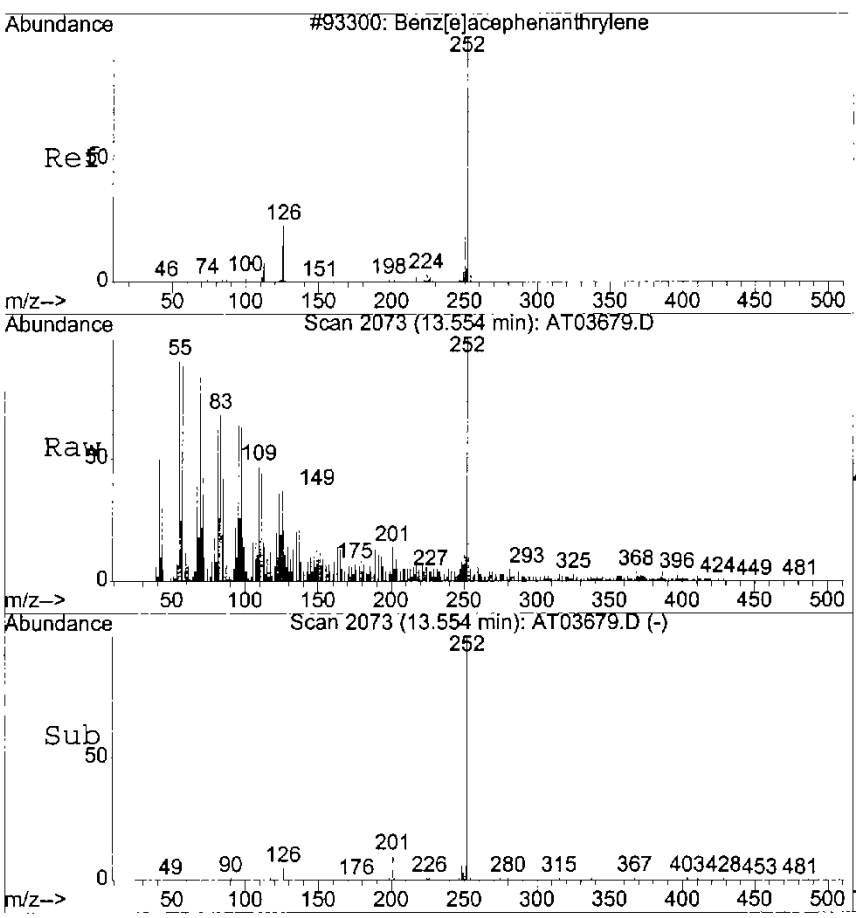


#89
benzo(k)fluoranthene
Concen: 179.22 ul/l
RT: 13.57 min Scan# 2076
Delta R.T. 0.01 min
Lab File: AT03679.D
Acq: 25 Feb 2005 4:32 pm

Tgt Ion:252 Resp: 138753

Ion	Ratio	Lower	Upper
252	100		
253	22.2	15.2	28.2
250	20.5	15.4	28.6
126	17.7	11.3	20.9

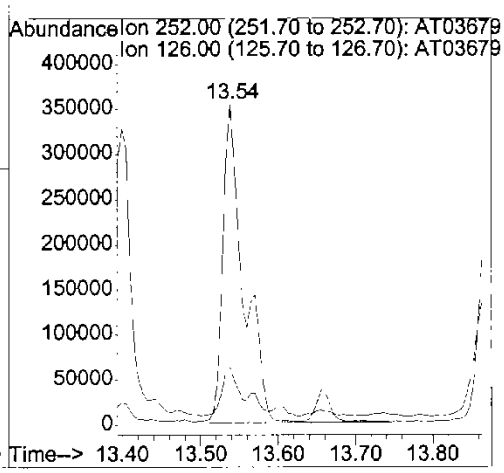


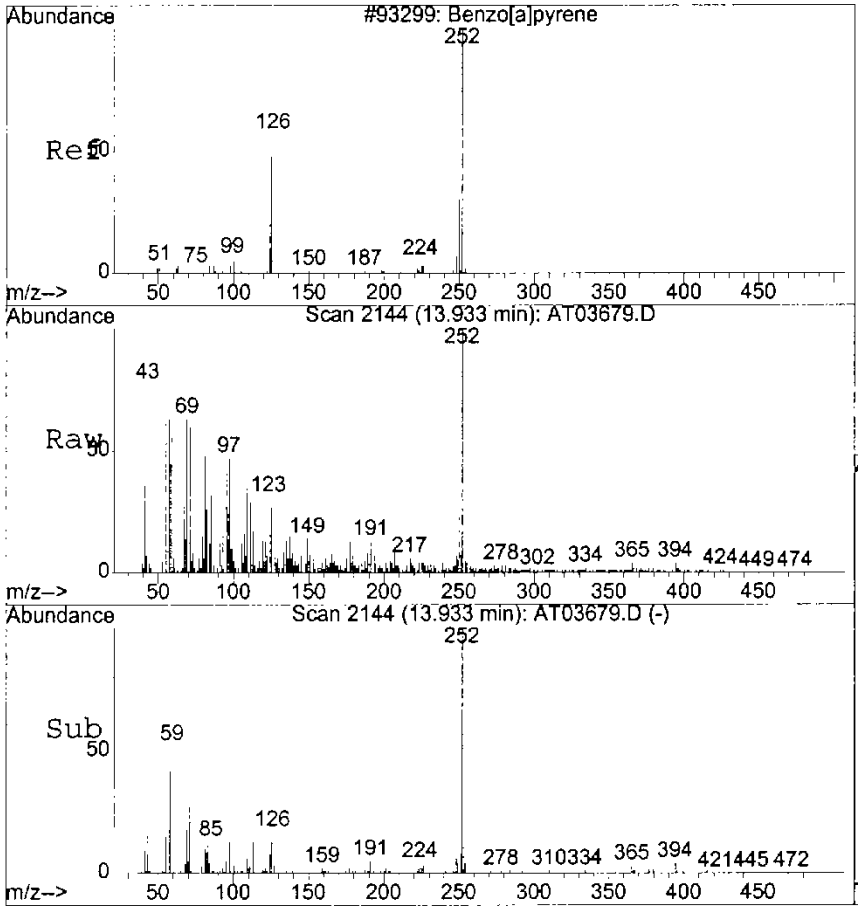


#90
Benzofluoranthenes
Concen: 890.00 ug/L
RT: 13.56 min Scan# 2073
Delta R.T. 0.01 min
Lab File: AT03679.D
Acq: 25 Feb 2005 4:32 pm

Tgt Ion:252 Resp: 697963

Ion	Ratio	Lower	Upper
252	100		
126	12.9	0.0	50.7

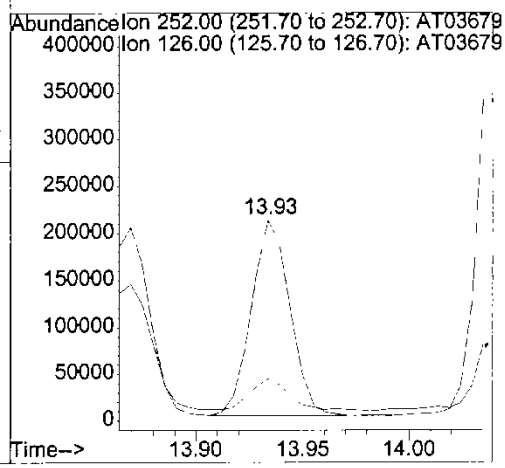


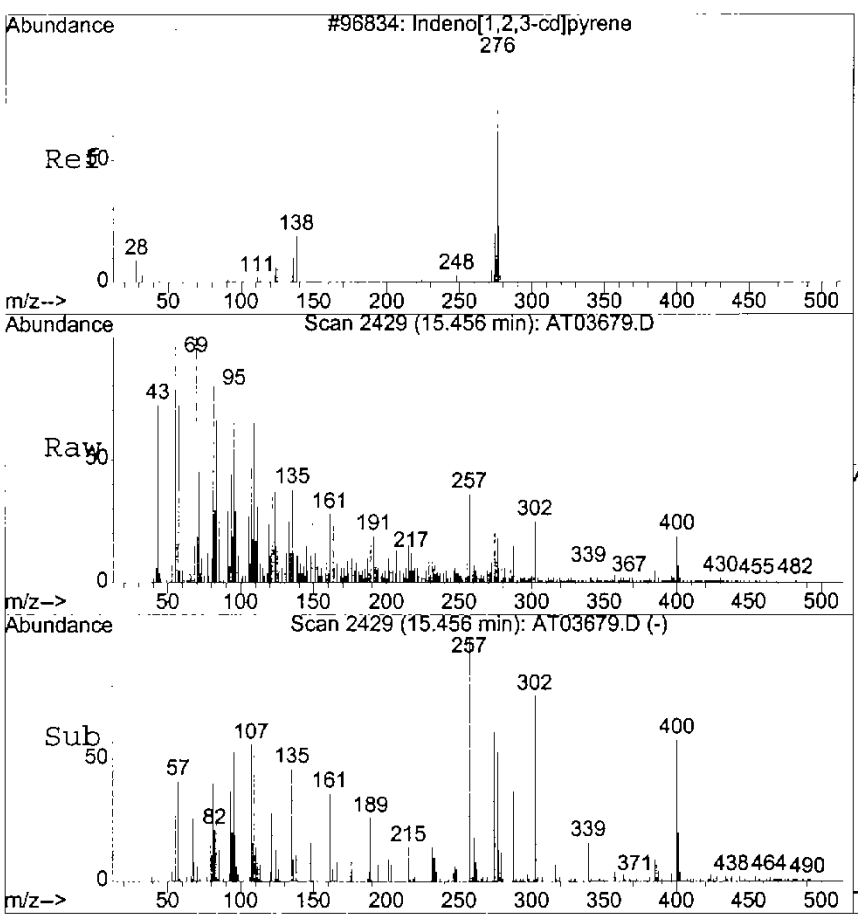


#91
Benzo(a)pyrene
Concen: 390.88 ug/L
RT: 13.94 min Scan# 2144
Delta R.T. 0.01 min
Lab File: AT03679.D
Acq: 25 Feb 2005 4:32 pm

Tgt Ion:252 Resp: 262821

Ion	Ratio	Lower	Upper
252	100		
126	15.8	0.0	44.5

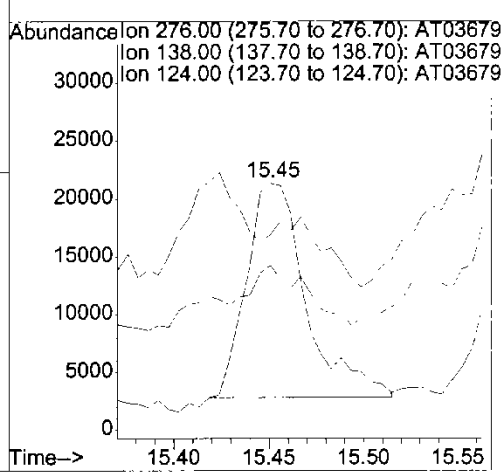


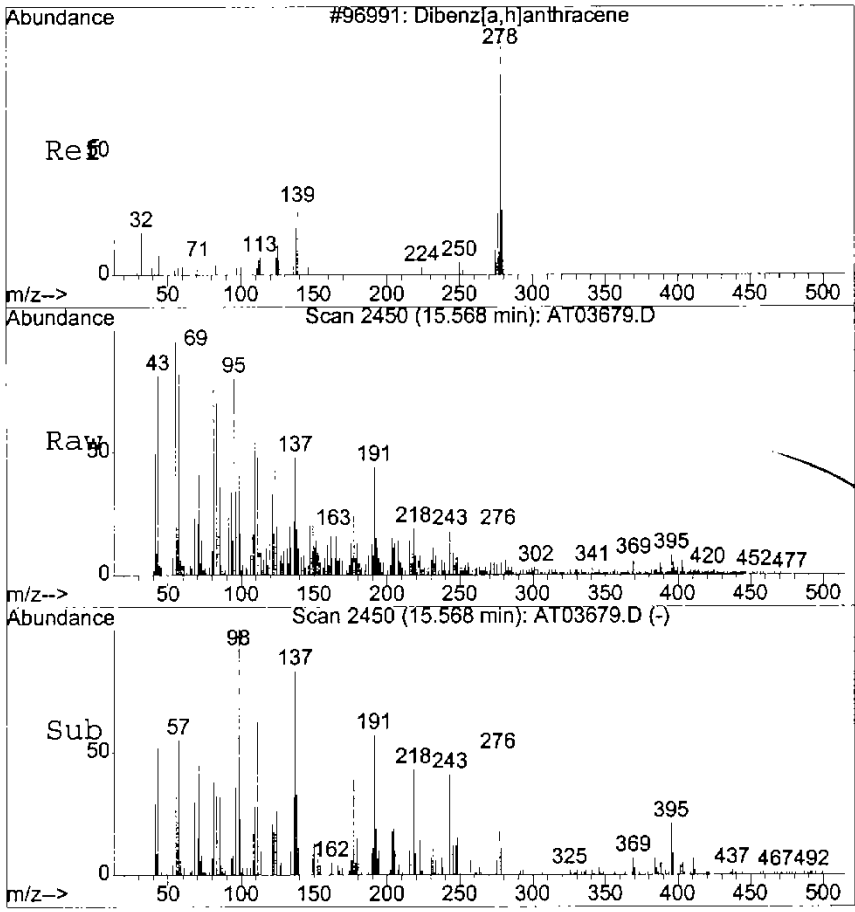


#92
Indeno(1,2,3-cd)pyrene
Concen: 73.28 ug/L
RT: 15.46 min Scan# 2429
Delta R.T. -0.11 min
Lab File: AT03679.D
Acq: 25 Feb 2005 4:32 pm

Tgt Ion:276 Resp: 40349

Ion	Ratio	Lower	Upper
276	100		
138	10.7	0.0	52.0
124	0.0	0.0	35.3

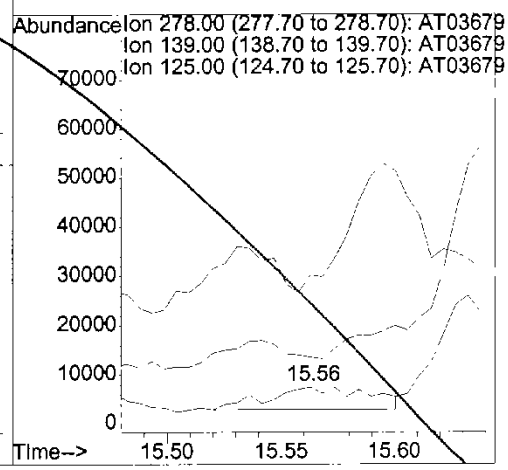


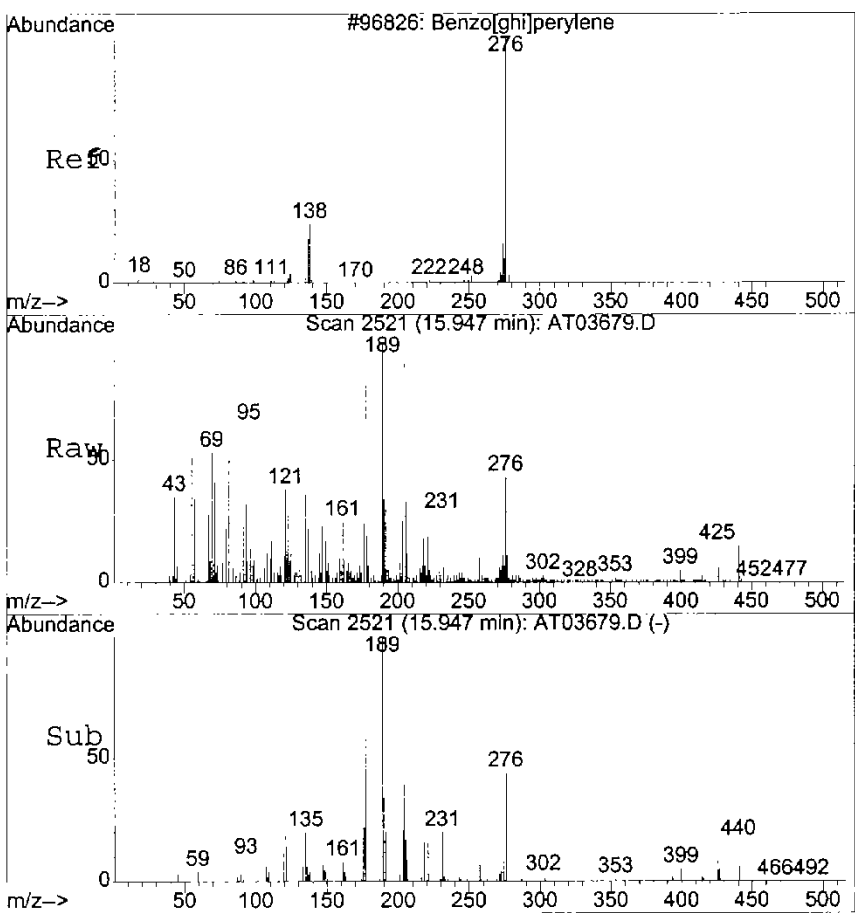


#93
Dibenz(a,h)anthracene
Concen: 30.00 ug/L
RT: 15.57 min Scan# 2450
Delta R.T. -0.04 min
Lab File: AT03679.D
Acq: 25 Feb 2005 4:32 pm

Tgt Ion:278 Resp: 13760

Ion	Ratio	Lower	Upper
278	100		
139	0.0	0.0	46.2
125	0.0	0.0	34.4

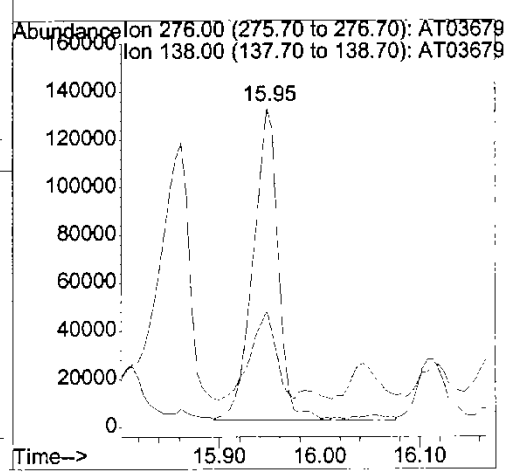




#94
Benzo(g,h,i)perylene
Concen: 306.65 ug/L
RT: 15.95 min Scan# 2521
Delta R.T. 0.05 min
Lab File: AT03679.D
Acq: 25 Feb 2005 4:32 pm

Tgt Ion:276 Resp: 230283

Ion	Ratio	Lower	Upper
276	100		
138	27.5	0.0	53.5



Quantitation Report (QT Reviewed)

Data File : H:\DATA\030105_A\AT03698.D
Acq On : 1 Mar 2005 12:37 pm
Sample : 126377-4 &1
Misc :
MS Integration Params: Rteint.p
Quant Time: Mar 01 13:08:43 2005

Vial: 12
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: 8270_022505.RES

Quant Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Feb 28 14:16:48 2005
Response via : Initial Calibration
DataAcq Meth : 8270EXT

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4 (I)	5.43	152	267710	1000.000 ug/L	0.00
23) Naphthalene - d8 (I)	6.54	136	1054149	1000.000 ug/L	0.00
39) Acenaphthene - d10 (I)	8.00	162	554443	1000.000 ug/L	0.00
63) Phenanthrene - d10 (I)	9.30	188	1006608	1000.000 ug/L	0.00
80) Chrysene - d12 (I)	12.17	240	981523	1000.000 ul/l	0.00
86) Perylene - d12 (I)	13.79	264	934269	1000.000 ug/L	0.00
System Monitoring Compounds					
4) 2 - Fluorophenol (S)	4.14	112	127546	569.02 ug/L	0.00
8) Phenol - d5 (S)	5.13	99	181428	719.13 ug/L	0.00
24) Nitrobenzene - d5 (S)	5.93	82	71505	330.83 ug/L	0.00
44) 2 - Fluorobiphenyl (S)	7.45	172	171235	286.23 ug/L	0.00
66) 2,4,6 - Tribromophenol (S)	8.67	330	77813	792.09 ug/L	0.00
79) p - Terphenyl - d14 (S)	11.00	244	424055	695.80 ug/L	0.00
Target Compounds					Qvalue
3) Pyridine	2.65	79	4809	197.355 ug/L	97
6) Benzaldehyde	5.03	105	29785	146.946 ul/L	95
9) Phenol	5.14	94	24749	92.003 ug/L	80
12) Decane	5.30	57	3161	11.607 ul/L	73
15) Benzyl alcohol	5.58	79	8987	76.279 ug/L	95
16) 1,2-Dichlorobenzene	5.58	146	1756	5.401 ug/L	70
19) 3-&4-Methylphenol	5.82	108	5715	51.398 ug/L	93
21) Acetophenone	5.81	105	6496	24.839 ul/L	87
27) 2-Nitrophenol	6.22	139	1899	15.778 ug/L	82
30) Benzoic Acid	6.35	105	66133	908.262 ug/L	96
32) 1,2,4-Trichlorobenzene	6.49	180	1370	5.081 ug/L	96
33) Naphthalene	6.56	128	16685	20.508 ug/L	96
37) 2-Methylnaphthalene	7.14	141	4652	10.792 ug/L	75
38) 1-Methylnaphthalene	7.22	141	3487	7.764 ul/l	60
43) 2,4,5-Trichlorophenol	7.46	196	168	33.938 ug/L	54
46) Biphenyl	7.53	154	3650	5.873 ul/L	92
48) Dimethylphthalate	7.80	163	10291	19.765 ug/L	56
49) Acenaphthylene	7.89	152	9017	11.792 ug/L	92
50) 2,6-Dinitrotoluene	7.91	165	536	29.837 ug/L	69
51) 3-Nitroaniline	7.95	138	205	Below Cal #	9
52) Acenaphthene	8.03	153	11472	22.800 ug/L	79
53) 2,4-Dinitrophenol	8.07	184	150	345.832 ug/L	51
55) Dibenzofuran	8.17	168	8476	12.574 ug/L	79
59) Diethylphthalate	8.38	149	33649	61.106 ug/L	100
60) Fluorene	8.46	166	14239	27.449 ug/L	93
62) 4-Nitroaniline	8.72	138	685	9.237 ug/L	81

(#) = qualifier out of range (m) = manual integration

00460

Quantitation Report (QT Reviewed)

Data File : H:\DATA\030105_A\AT03698.D
Acq On : 1 Mar 2005 12:37 pm
Sample : 126377-4 &1
Misc :
MS Integration Params: Rteint.p
Quant Time: Mar 01 13:08:43 2005

Vial: 12
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: 8270_022505.RES

Quant Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Feb 28 14:16:48 2005
Response via : Initial Calibration
DataAcq Meth : 8270EXT

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
64)	4,6-Dinitro-2-methylphenol	8.46	198	144	384.875 ug/L	73
71)	Phenanthrene	9.33	178	110947	135.190 ug/L	99
72)	Anthracene	9.38	178	28342	38.077 ug/L	82
73)	Octadecane	9.27	57	42352	177.829 ul/L	84
74)	Carbazole	9.54	167	15200	30.165 ug/L	88
75)	Di-n-butylphthalate	9.93	149	3082598	3494.338 ug/L	100
76)	Fluoranthene	10.54	202	338206	403.776 ug/L	95
77)	Pyrene	10.79	202	313148	360.444 ug/L	97
78)	Benzidine	10.51	184	4142	34.771 ul/l	88
81)	Butylbenzylphthalate	11.59	149	67793	259.073 ug/L	91
82)	Benzo(a)anthracene	12.15	228	139255m	195.304 ug/L	
84)	Chrysene	12.19	228	239343	322.048 ug/L	99
85)	bis(2-Ethylhexyl)phthalate	12.29	149	218634	474.765 ug/L	99
87)	Di-n-octylphthalate	12.96	149	27981	38.649 ug/L	65
88)	Benzo(b)fluoranthene	13.35	252	316631	398.921 ul/l	97
89)	benzo(k)fluoranthene	13.38	252	93317m	130.135 ul/l	
90)	Benzofluoranthenes	13.36	252	413094	568.710 ug/L	90
91)	Benzo(a)pyrene	13.72	252	176632	283.621 ug/L	97
92)	Indeno(1,2,3-cd)pyrene	15.31	276	145669	229.636 ug/L	70
93)	Dibenz(a,h)anthracene	15.36	278	30726	54.484 ug/L	67
94)	Benzo(g,h,i)perylene	15.69	276	151726	218.134 ug/L	93

(#) = qualifier out of range (m) = manual integration

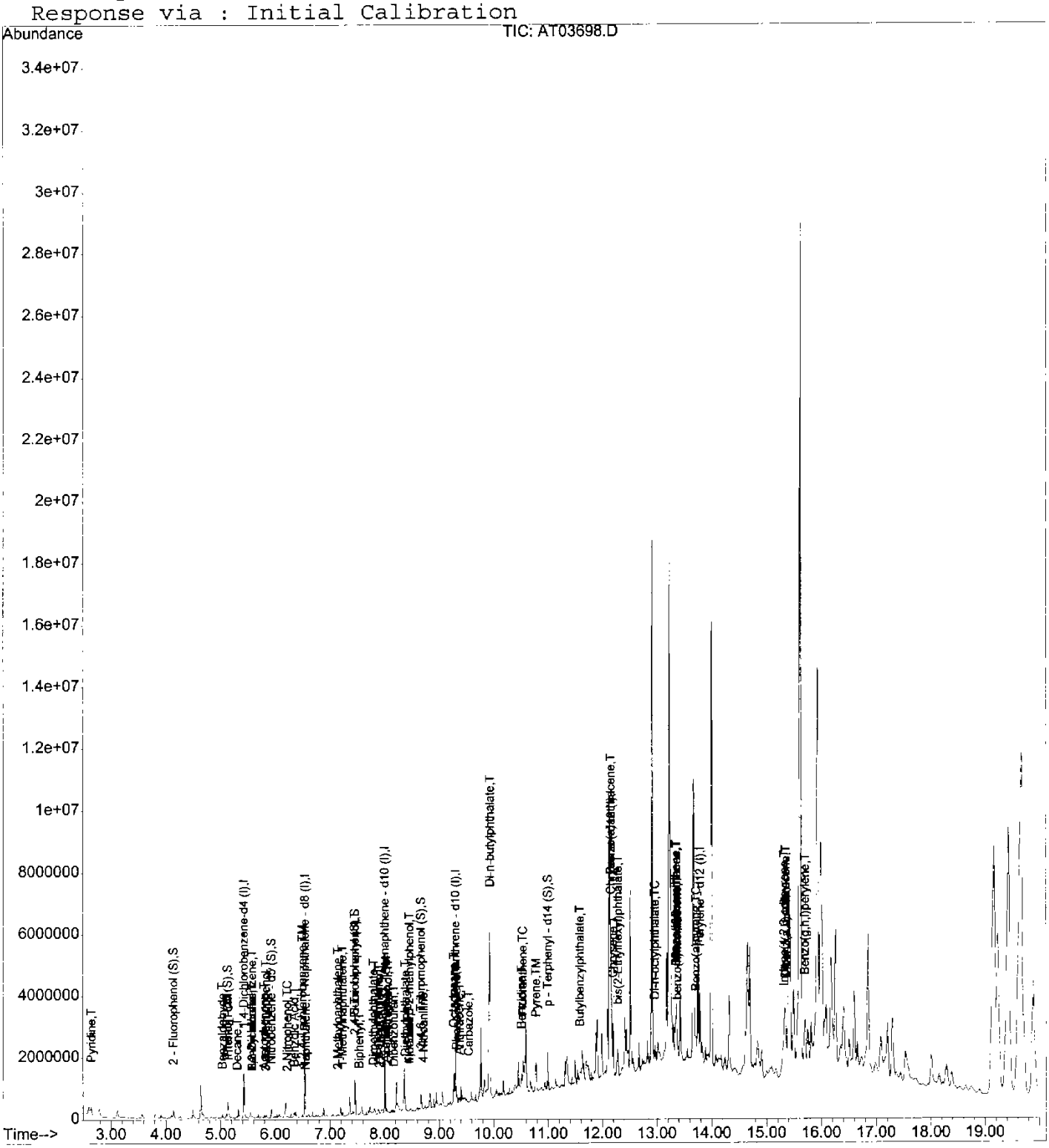
00461

Quantitation Report (QT Reviewed)

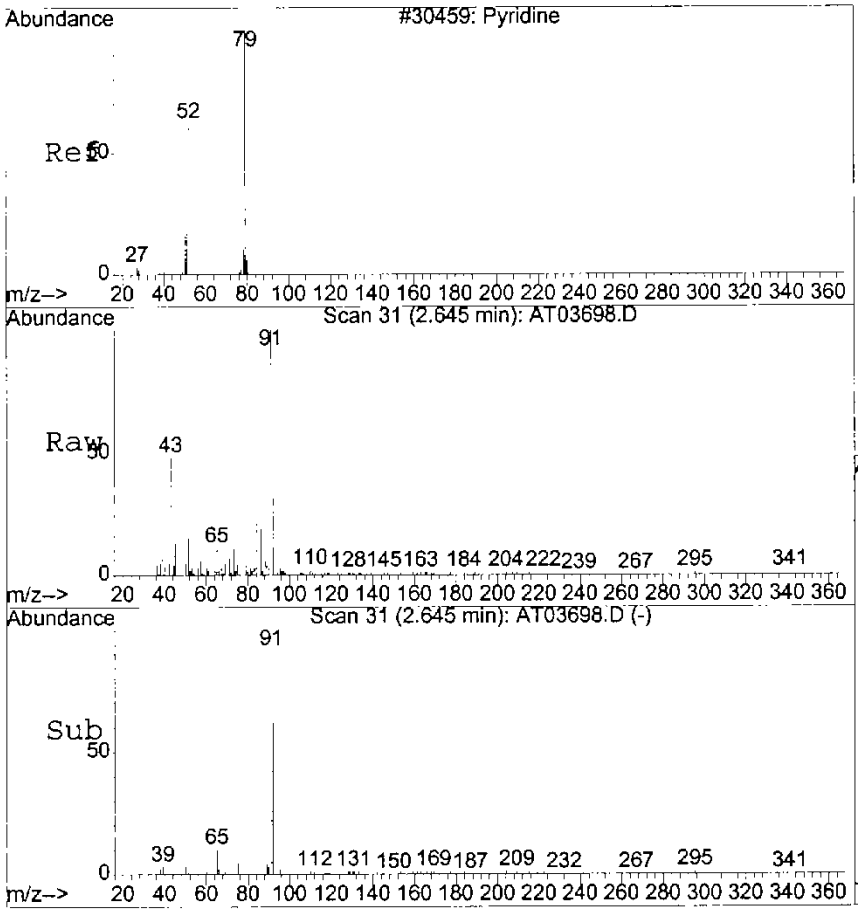
Data File : H:\DATA\030105_A\AT03698.D
Acq On : 1 Mar 2005 12:37 pm
Sample : 126377-4 &1
Misc :
MS Integration Params: Rteint.p
Quant Time: Mar 2 8:02 2005

Vial: 12
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: 8270_022505.

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Feb 28 14:16:48 2005
Response via : Initial Calibration



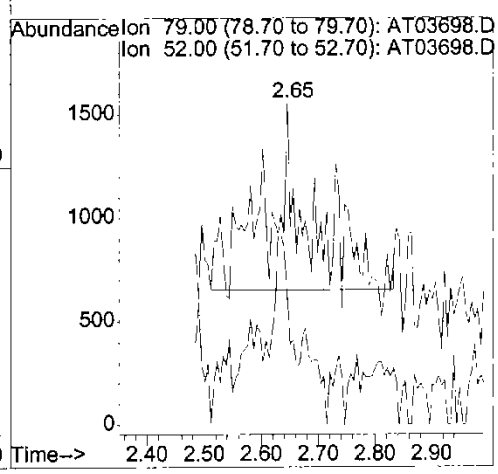
00462

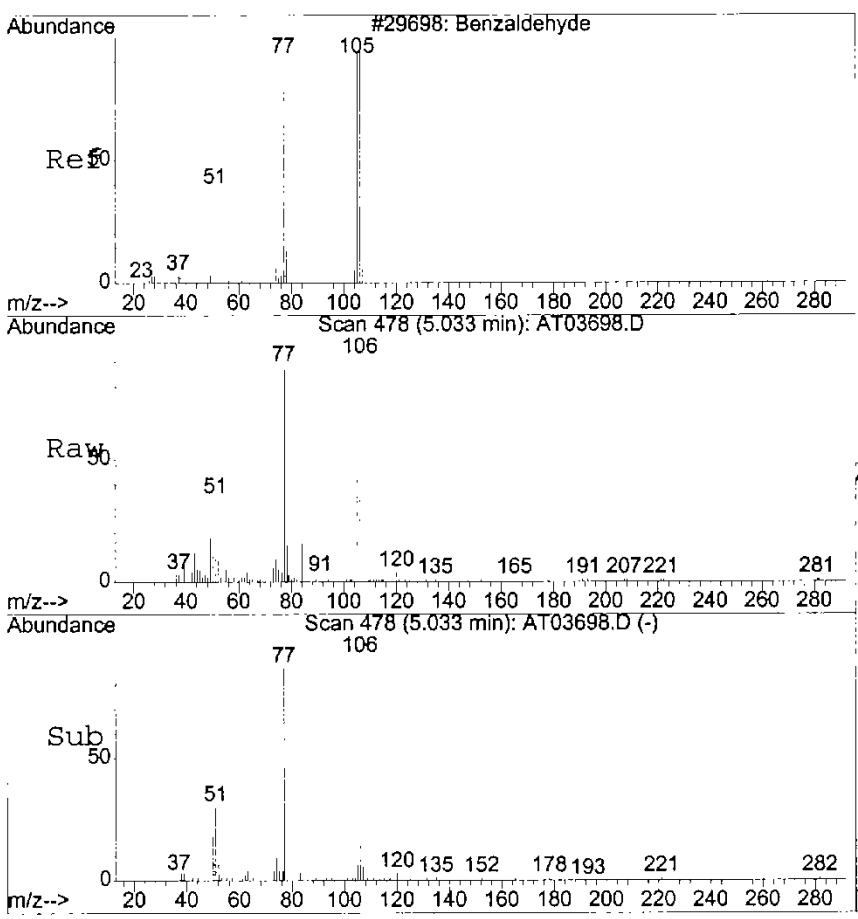


#3
Pyridine
Concen: 197.35 ug/L
RT: 2.65 min Scan# 31
Delta R.T. 0.09 min
Lab File: AT03698.D
Acq: 1 Mar 2005 12:37 pm

Tgt Ion: 79 Resp: 4809

Ion	Ratio	Lower	Upper
79	100		
52	57.6	29.7	89.7

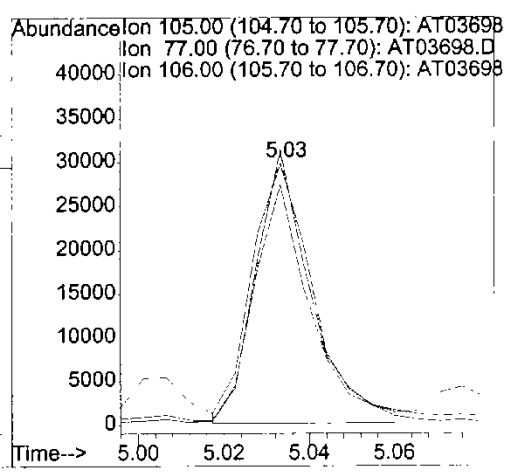




#6
Benzaldehyde
Concen: 146.95 ul/L
RT: 5.03 min Scan# 478
Delta R.T. -0.02 min
Lab File: AT03698.D
Acq: 1 Mar 2005 12:37 pm

Tgt Ion:105 Resp: 29785

Ion	Ratio	Lower	Upper
105	100		
77	83.8	63.9	123.9
106	101.1	72.0	132.0



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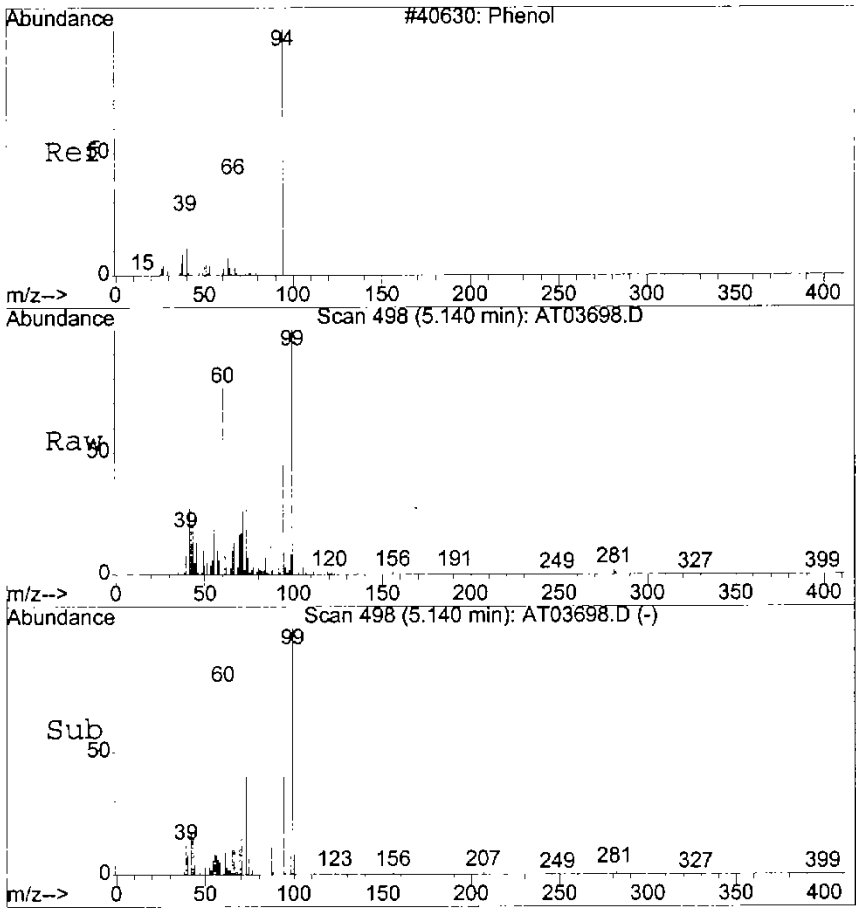
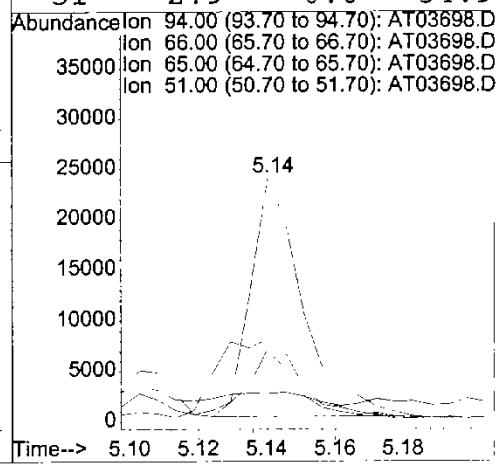
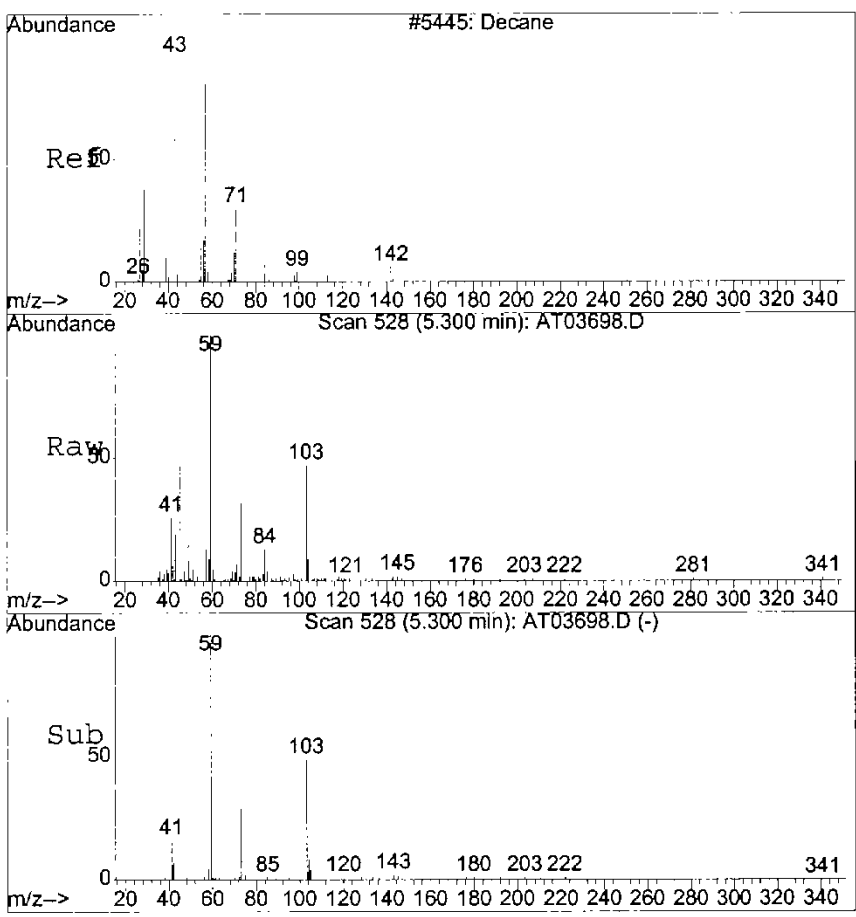


#9
Phenol
Concen: 92.00 ug/L
RT: 5.14 min Scan# 498
Delta R.T. -0.01 min
Lab File: AT03698.D
Acq: 1 Mar 2005 12:37 pm

Tgt Ion: 94 Resp: 24749

Ion	Ratio	Lower	Upper
94	100		
66	24.1	14.1	74.1
65	27.2	1.3	61.3
51	2.9	0.0	34.9

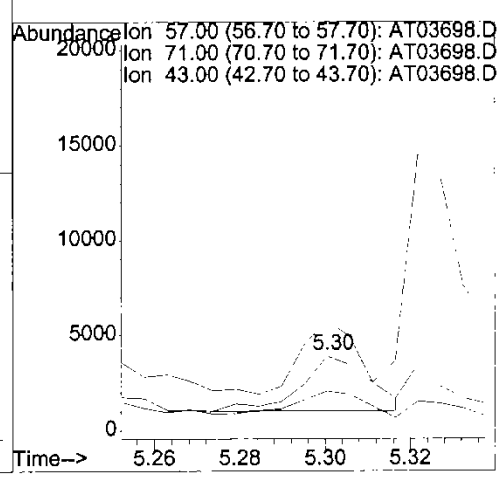




#12
Decane
Concen: 11.61 ul/L
RT: 5.30 min Scan# 528
Delta R.T. -0.00 min
Lab File: AT03698.D
Acq: 1 Mar 2005 12:37 pm

Tgt Ion: 57 Resp: 3161

Ion	Ratio	Lower	Upper
57	100		
71	52.5	13.9	73.9
43	108.6	48.7	108.7



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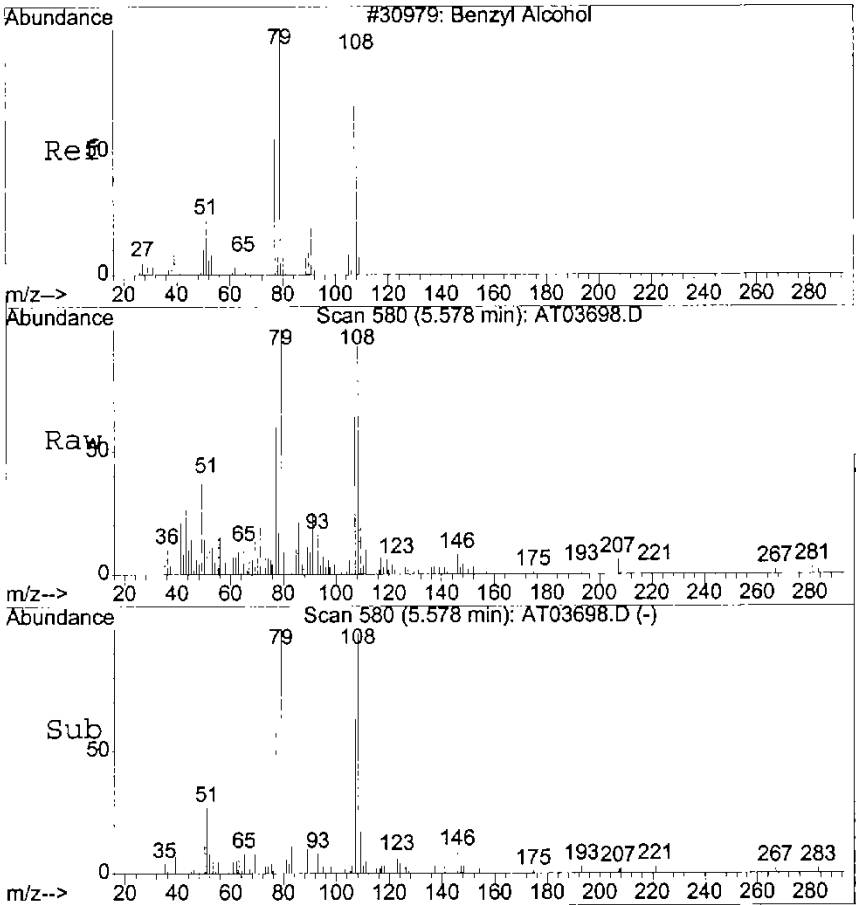
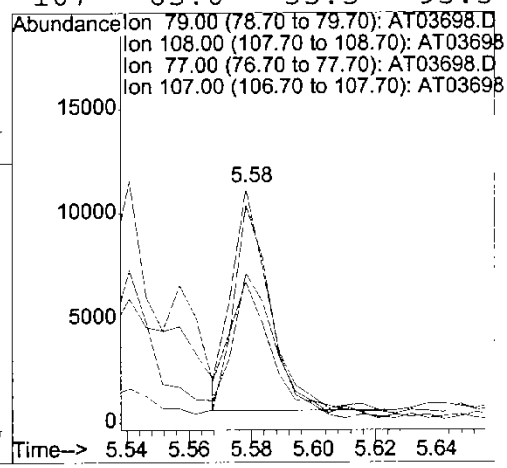
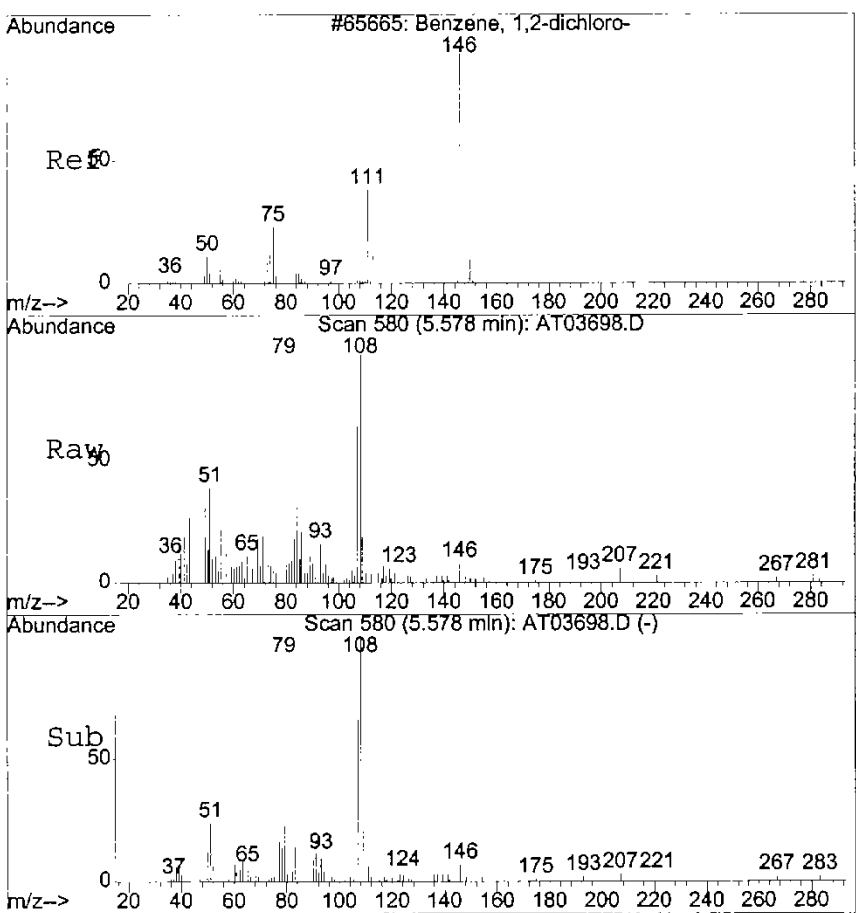


#15
Benzyl alcohol
Concen: 76.28 ug/L
RT: 5.58 min Scan# 580
Delta R.T. 0.01 min
Lab File: AT03698.D
Acq: 1 Mar 2005 12:37 pm

Tgt Ion: 79 Resp: 8987

Ion	Ratio	Lower	Upper
79	100		
108	101.1	62.2	122.2
77	56.1	29.8	89.8
107	65.0	35.5	95.5

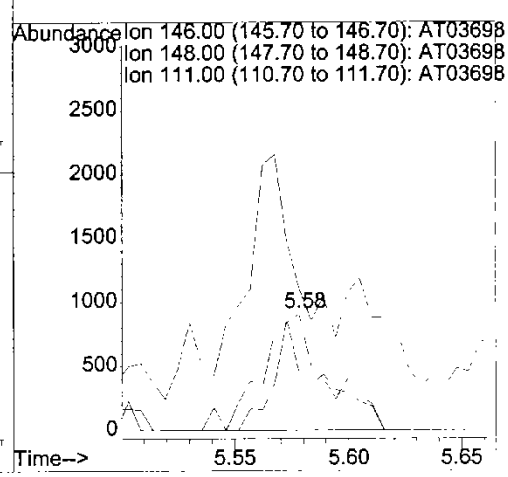




#16
1,2-Dichlorobenzene
Concen: 5.40 ug/L
RT: 5.58 min Scan# 580
Delta R.T. 0.01 min
Lab File: AT03698.D
Acq: 1 Mar 2005 12:37 pm

Tgt Ion:146 Resp: 1756

Ion	Ratio	Lower	Upper
146	100		
148	39.1	35.2	95.2
111	54.5	8.7	68.7



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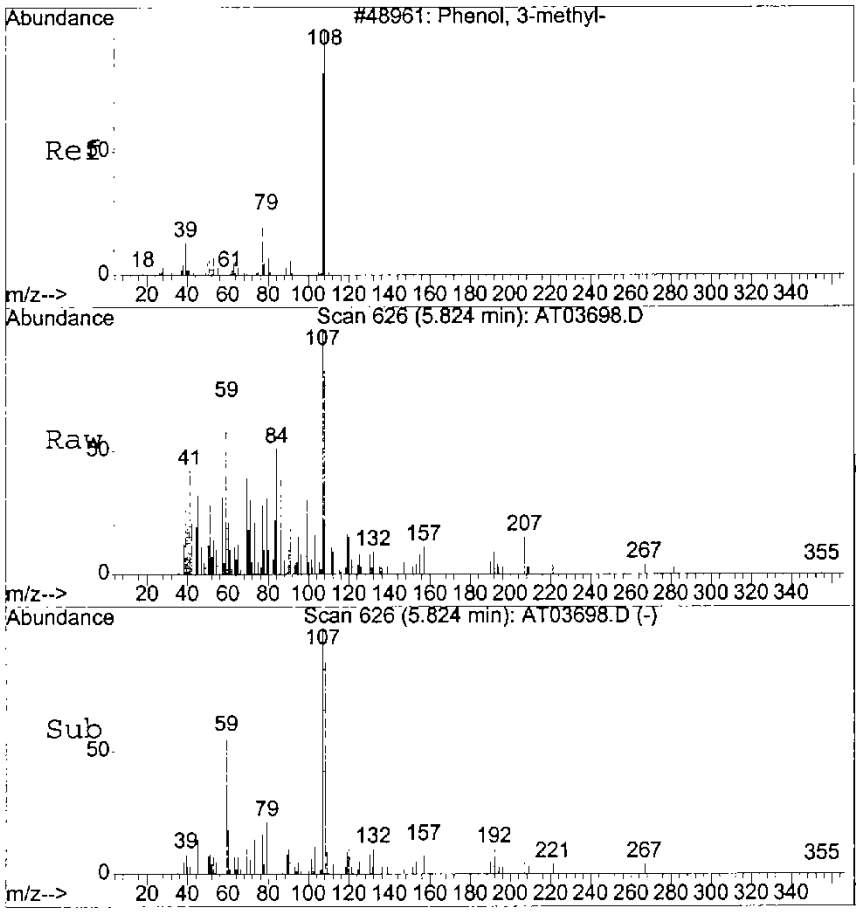
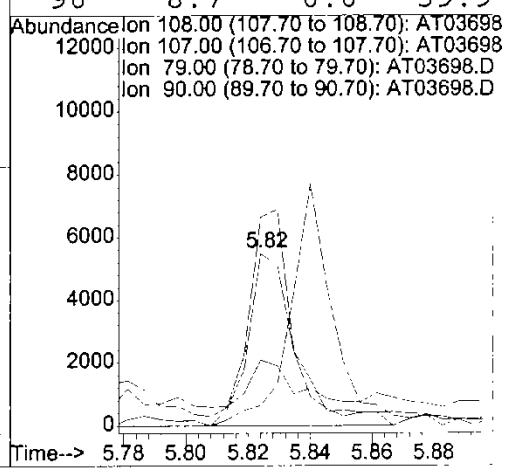
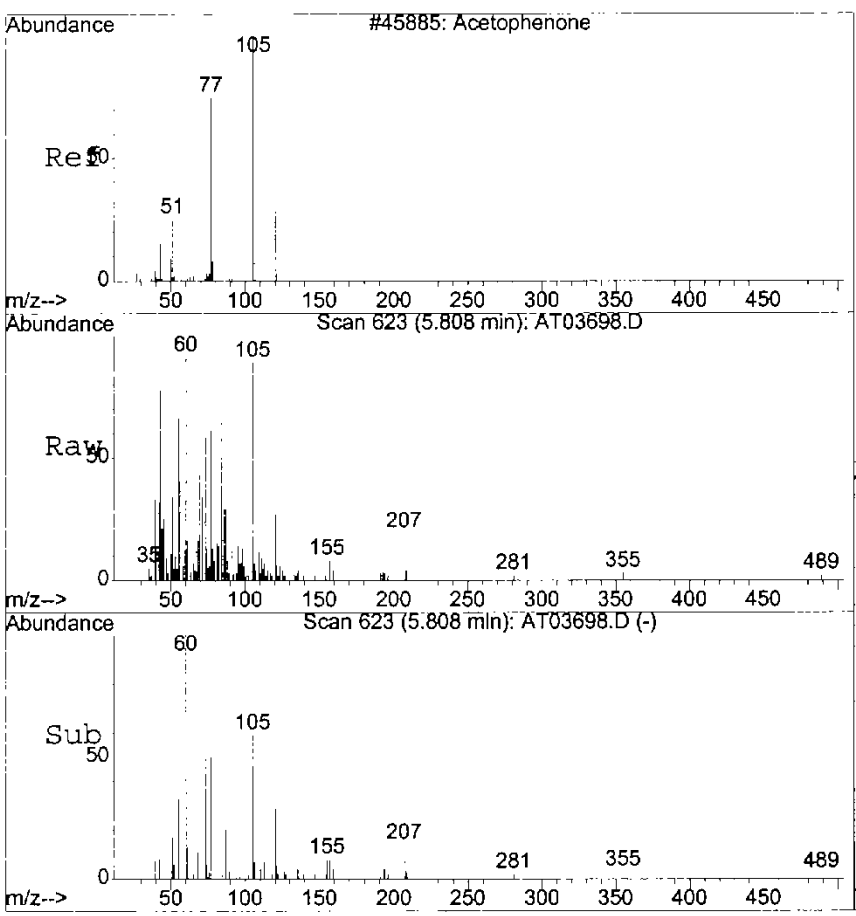


#19
3-&4-Methylphenol
Concen: 51.40 ug/L
RT: 5.82 min Scan# 626
Delta R.T. 0.02 min
Lab File: AT03698.D
Acq: 1 Mar 2005 12:37 pm

Tgt Ion:108 Resp: 5715

Ion	Ratio	Lower	Upper
108	100		
107	114.5	75.6	135.6
79	24.4	0.0	55.6
90	8.7	0.0	39.9

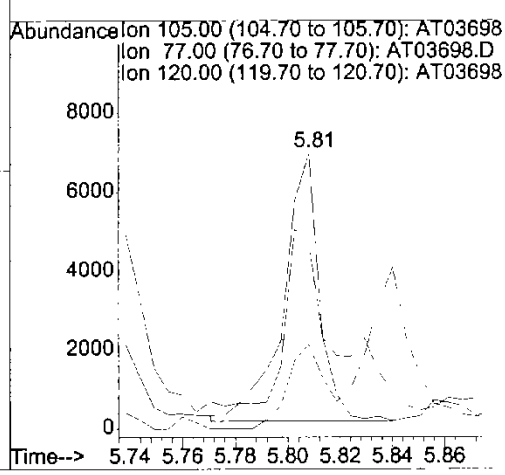




#21
Acetophenone
Concen: 24.84 ul/L
RT: 5.81 min Scan# 623
Delta R.T. 0.02 min
Lab File: AT03698.D
Acq: 1 Mar 2005 12:37 pm

Tgt Ion:105 Resp: 6496

Ion	Ratio	Lower	Upper
105	100		
77	92.0	78.1	138.1
120	32.9	0.5	60.5



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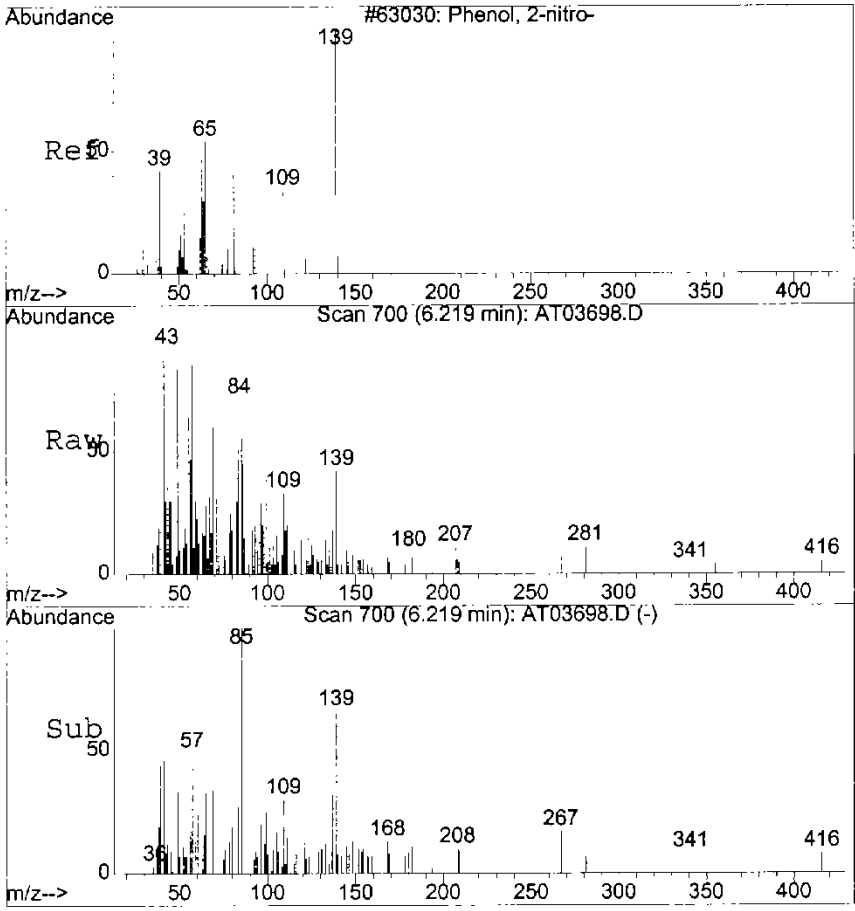
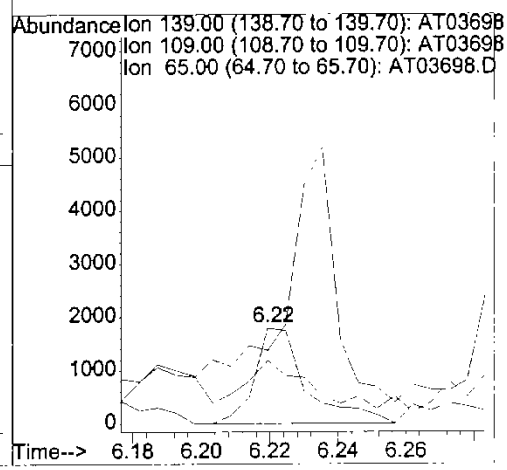
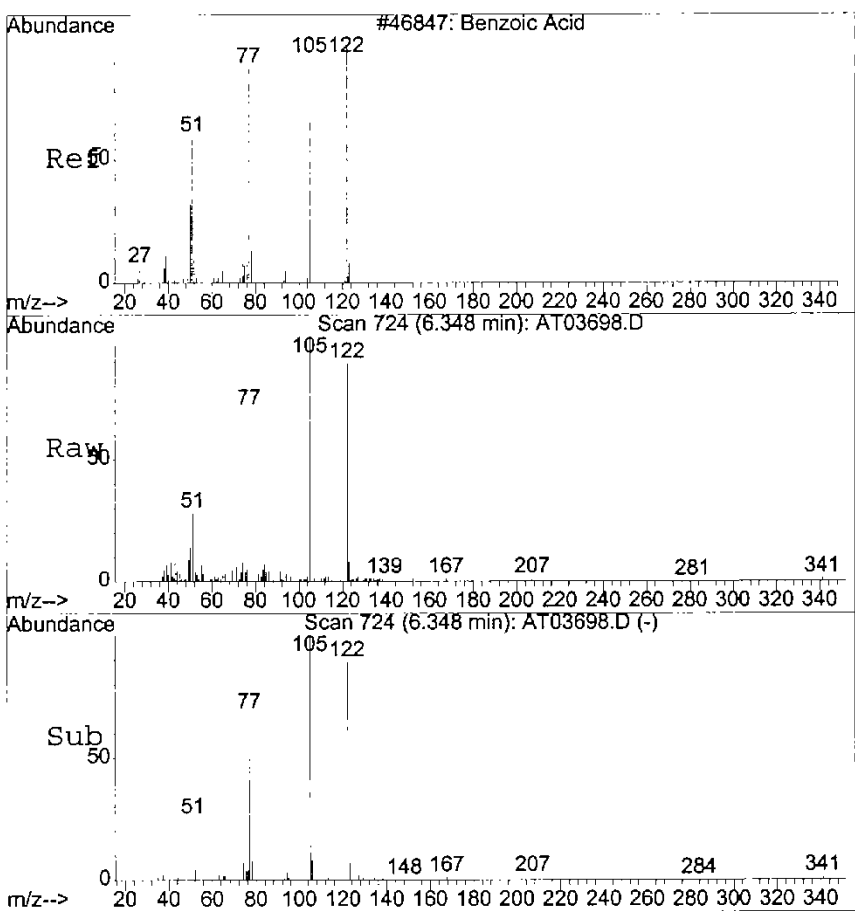


#27
2-Nitrophenol
Concen: 15.78 ug/L
RT: 6.22 min Scan# 700
Delta R.T. -0.01 min
Lab File: AT03698.D
Acq: 1 Mar 2005 12:37 pm

Tgt Ion:139 Resp: 1899

Ion	Ratio	Lower	Upper
139	100		
109	32.3	0.0	49.5
65	41.2	4.3	64.3

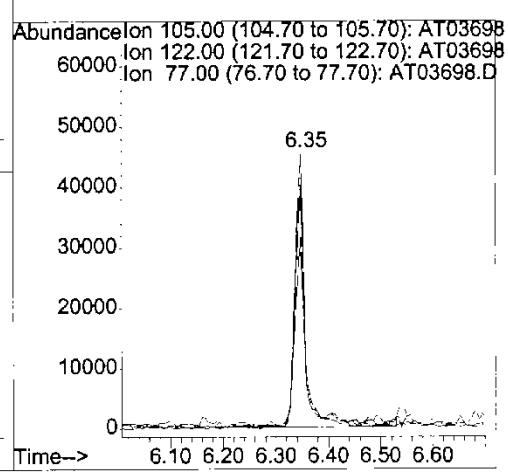




#30
Benzoic Acid
Concen: 908.26 ug/L
RT: 6.35 min Scan# 724
Delta R.T. -0.04 min
Lab File: AT03698.D
Acq: 1 Mar 2005 12:37 pm

Tgt Ion:105 Resp: 66133

Ion	Ratio	Lower	Upper
105	100		
122	90.5	58.0	118.0
77	68.9	34.2	94.2



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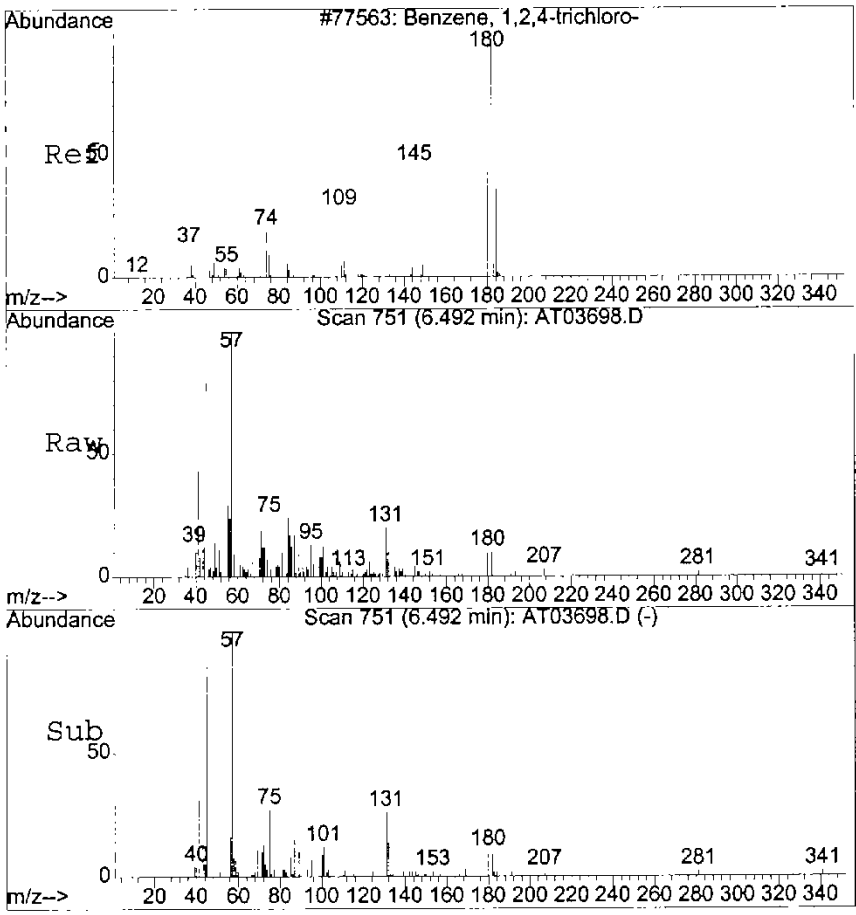
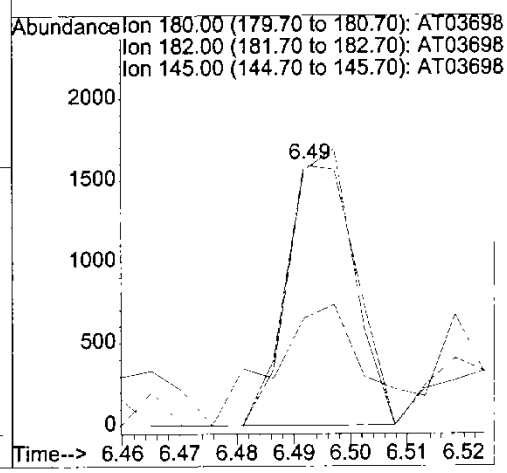
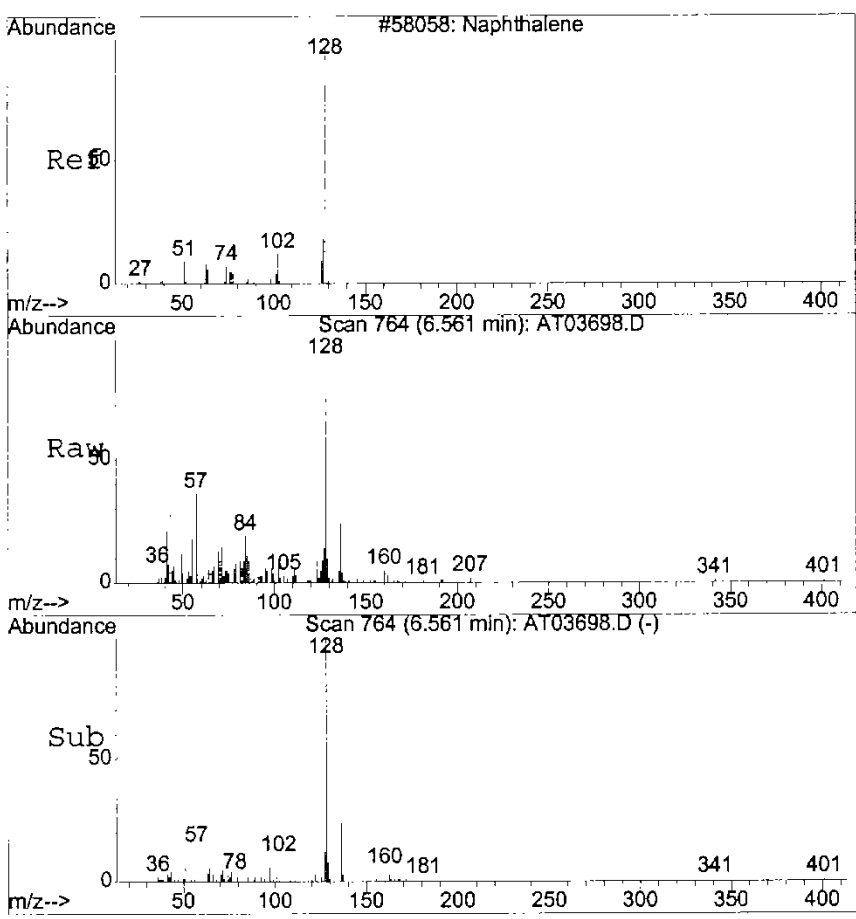


#32
1,2,4-Trichlorobenzene
Concen: 5.08 ug/L
RT: 6.49 min Scan# 751
Delta R.T. -0.01 min
Lab File: AT03698.D
Acq: 1 Mar 2005 12:37 pm

Tgt Ion:180 Resp: 1370

Ion	Ratio	Lower	Upper
180	100		
182	98.1	67.2	127.2
145	34.0	0.0	57.2

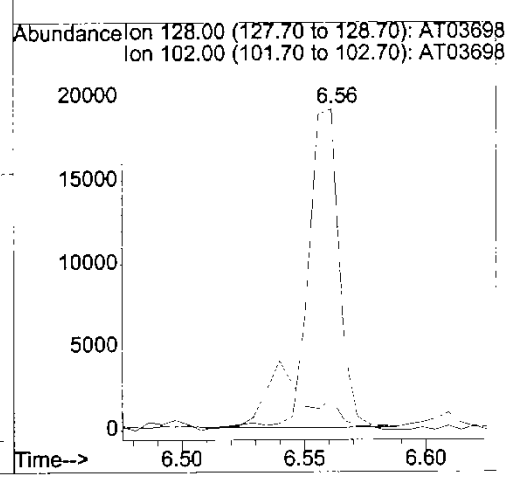




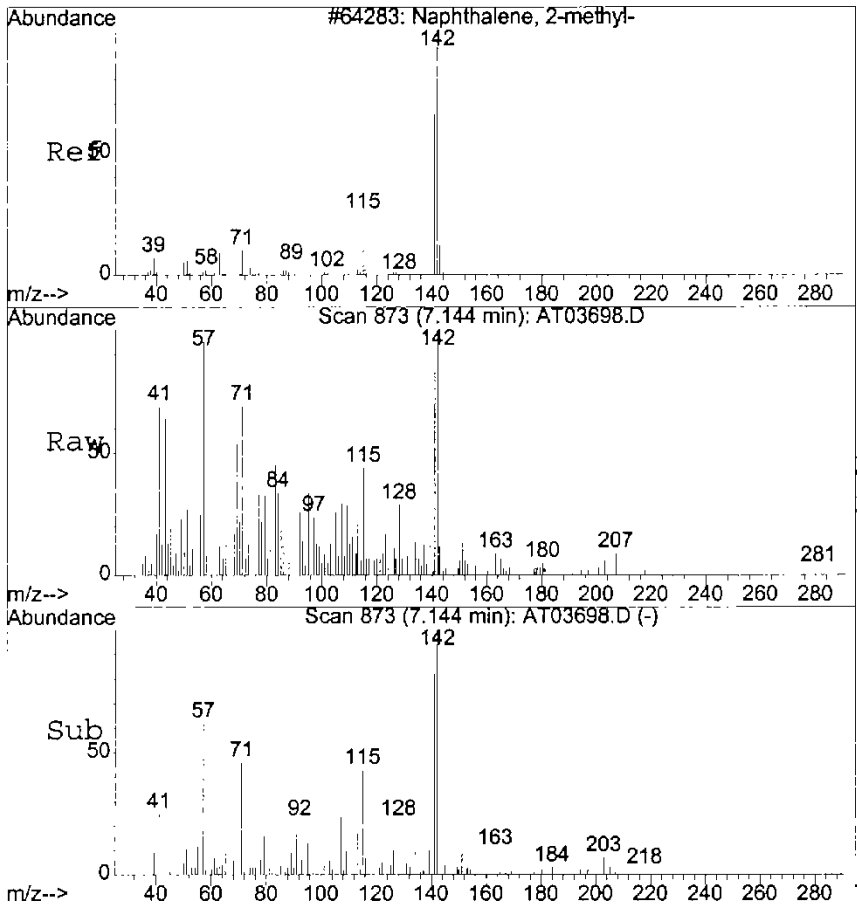
#33
Naphthalene
Concen: 20.51 ug/L
RT: 6.56 min Scan# 764
Delta R.T. 0.00 min
Lab File: AT03698.D
Acq: 1 Mar 2005 12:37 pm

Tgt Ion:128 Resp: 16685

Ion	Ratio	Lower	Upper
128	100		
102	9.1	0.0	37.8



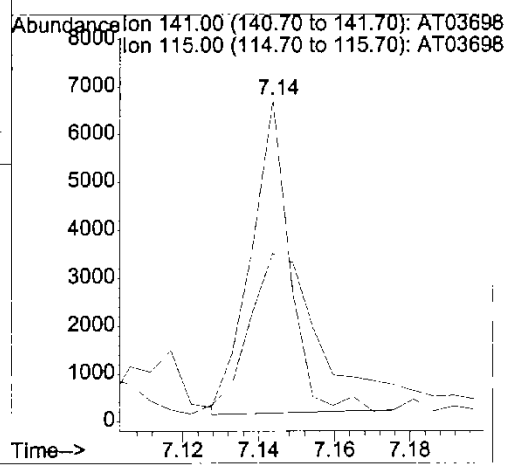
00468

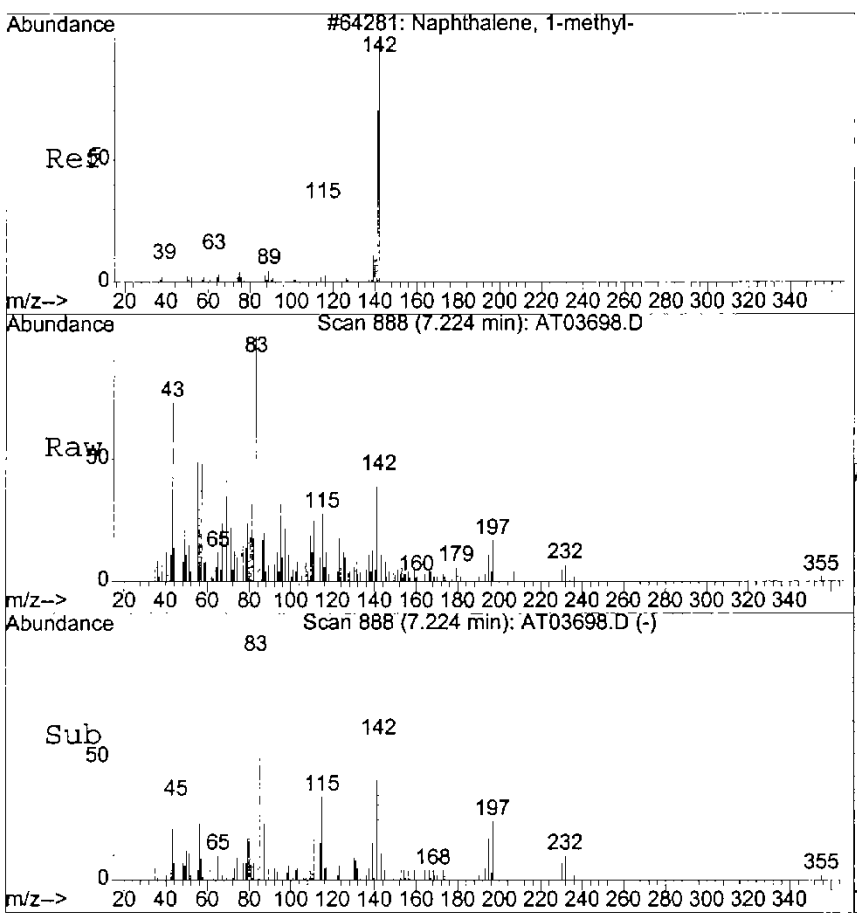


#37
2-Methylnaphthalene
Concen: 10.79 ug/L
RT: 7.14 min Scan# 873
Delta R.T. 0.02 min
Lab File: AT03698.D
Acq: 1 Mar 2005 12:37 pm

Tgt Ion:141 Resp: 4652

Ion	Ratio	Lower	Upper
141	100		
115	45.9	2.2	62.2

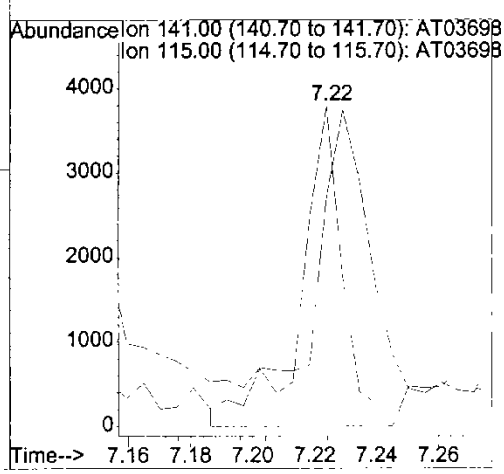


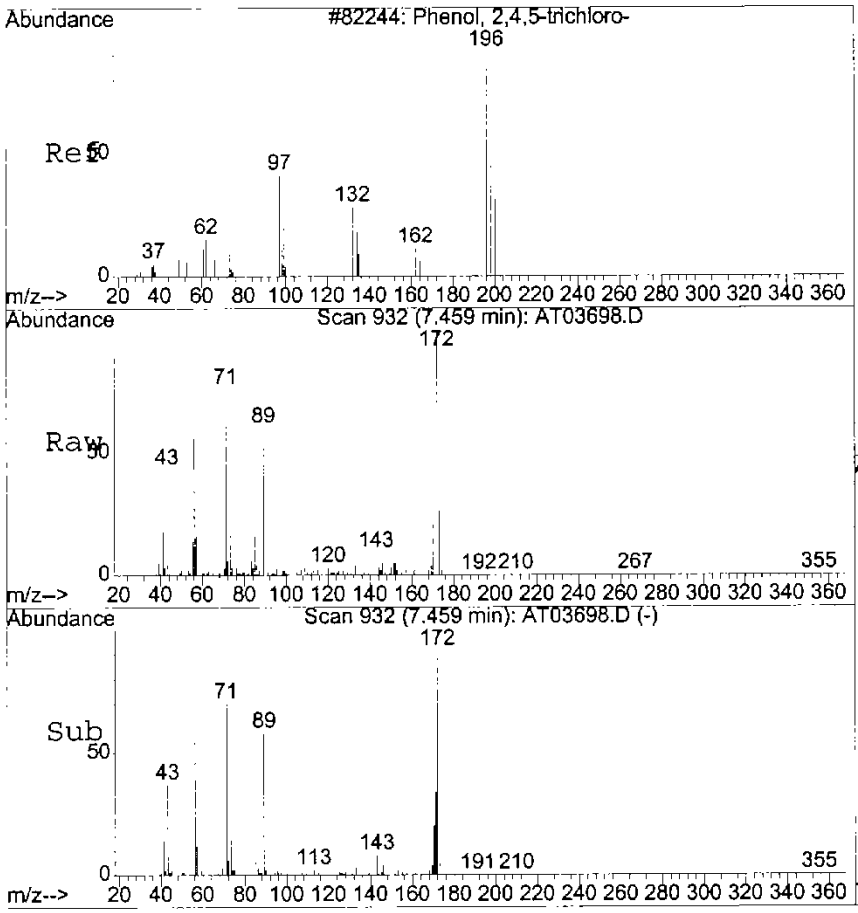


#38
1-Methylnaphthalene
Concen: 7.76 ul/l
RT: 7.22 min Scan# 888
Delta R.T. 0.01 min
Lab File: AT03698.D
Acq: 1 Mar 2005 12:37 pm

Tgt Ion:141 Resp: 3487

Ion	Ratio	Lower	Upper
141	100		
115	54.8	2.6	62.6

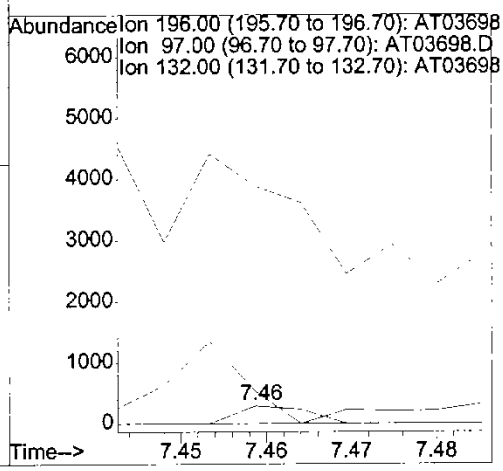


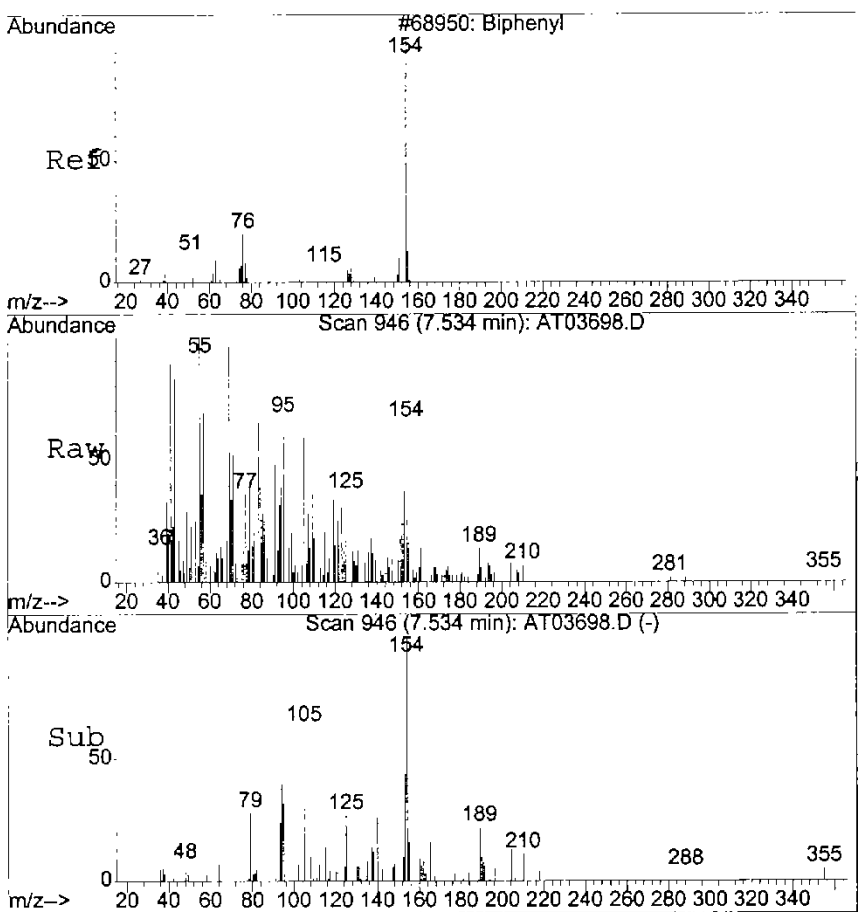


#43
2,4,5-Trichlorophenol
Concen: 33.94 ug/L
RT: 7.46 min Scan# 932
Delta R.T. 0.04 min
Lab File: AT03698.D
Acq: 1 Mar 2005 12:37 pm

Tgt Ion:196 Resp: 168

Ion	Ratio	Lower	Upper
196	100		
97	70.0	13.5	73.5
132	0.0	0.0	57.5

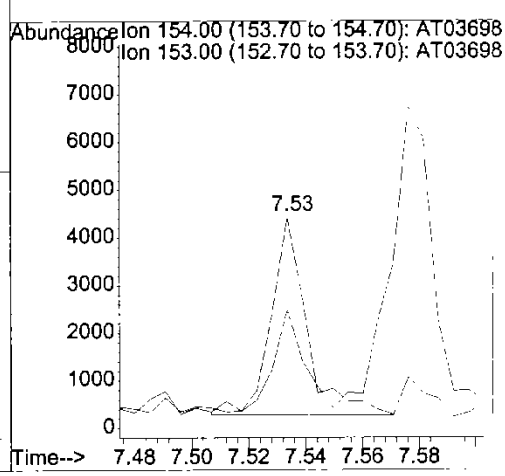


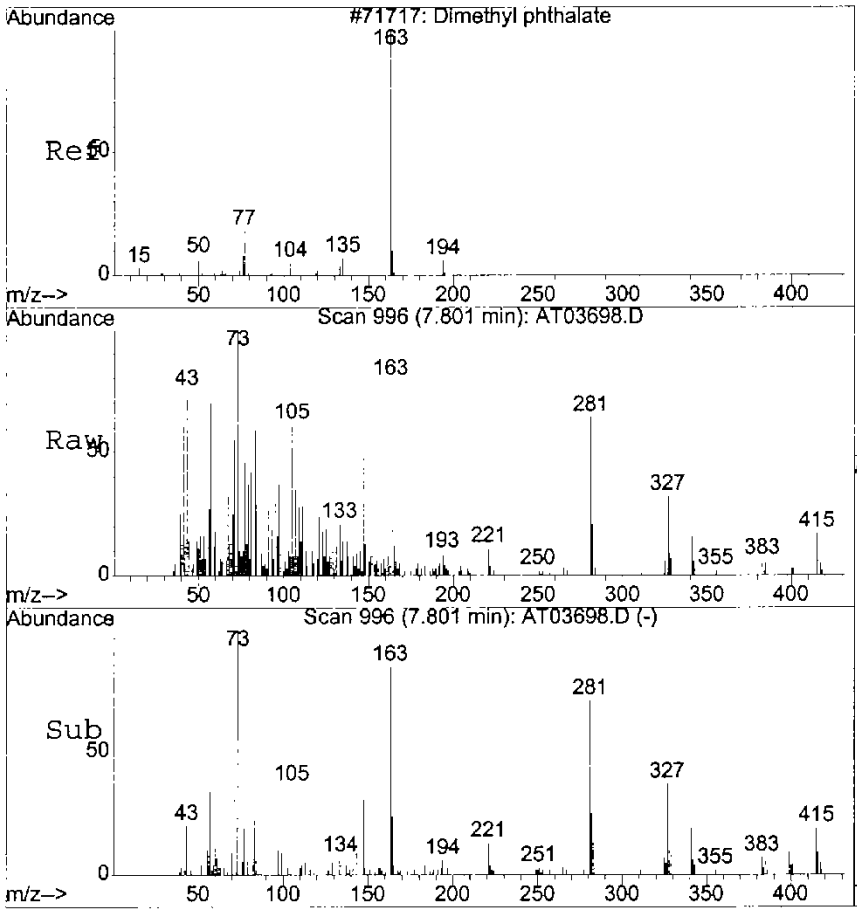


#46
Biphenyl
Concen: 5.87 ul/L
RT: 7.53 min Scan# 946
Delta R.T. -0.01 min
Lab File: AT03698.D
Acq: 1 Mar 2005 12:37 pm

Tgt Ion:154 Resp: 3650

Ion	Ratio	Lower	Upper
154	100		
153	44.1	9.4	69.4

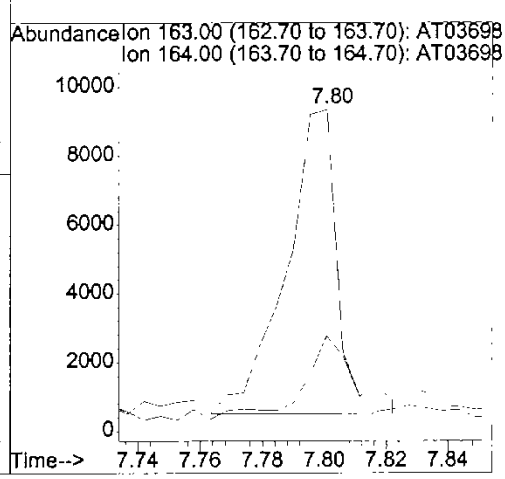


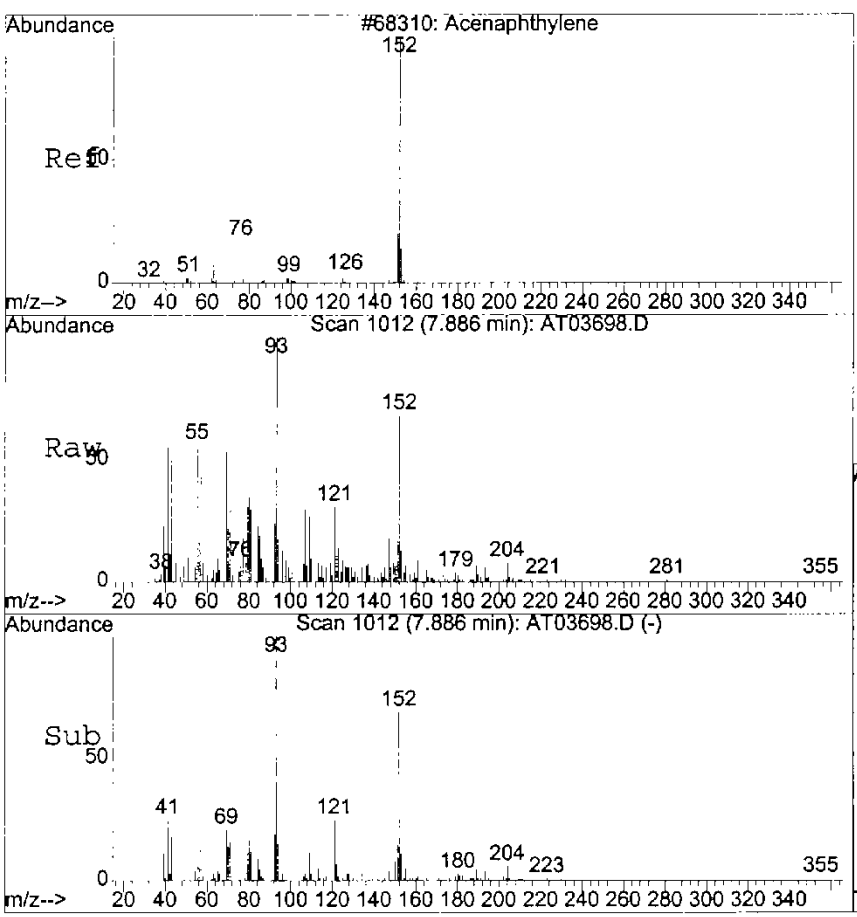


#48
Dimethylphthalate
Concen: 19.77 ug/L
RT: 7.80 min Scan# 996
Delta R.T. 0.01 min
Lab File: AT03698.D
Acq: 1 Mar 2005 12:37 pm

Tgt Ion:163 Resp: 10291

Ion	Ratio	Lower	Upper
163	100		
164	26.4	0.0	40.0

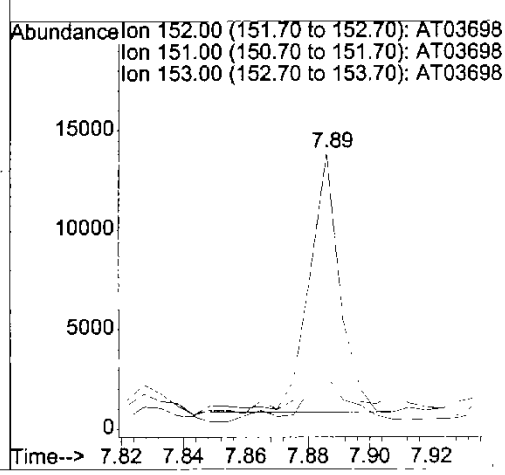


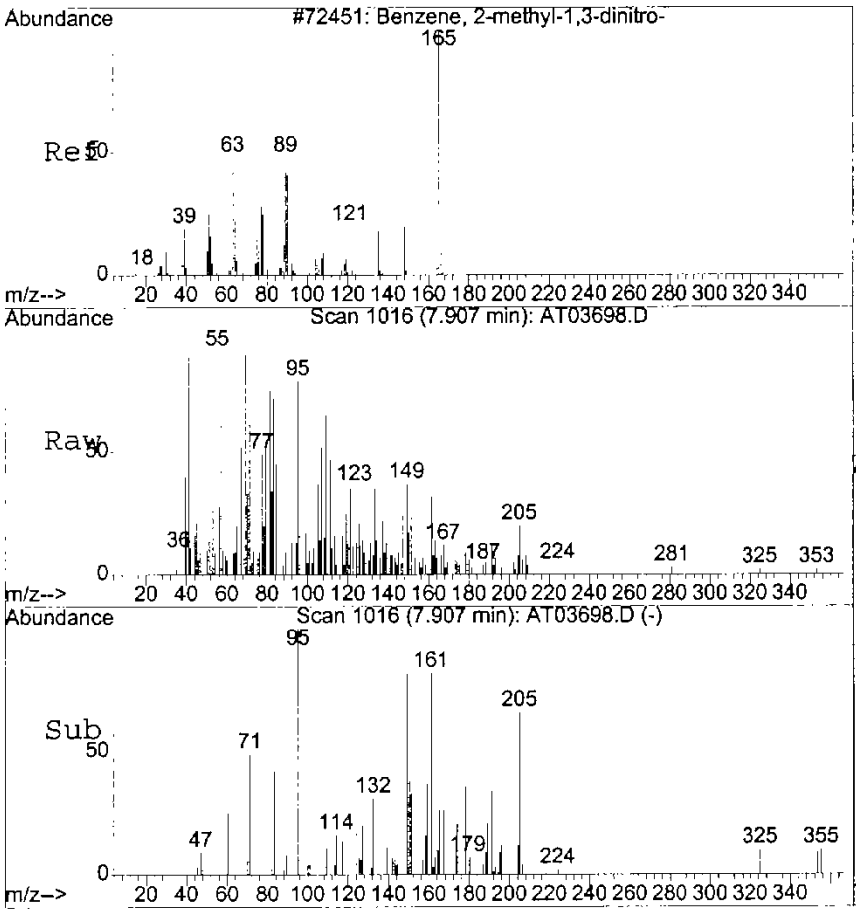


#49
Acenaphthylene
Concen: 11.79 ug/L
RT: 7.89 min Scan# 1012
Delta R.T. -0.00 min
Lab File: AT03698.D
Acq: 1 Mar 2005 12:37 pm

Tgt Ion:152 Resp: 9017

Ion	Ratio	Lower	Upper
152	100		
151	16.9	0.0	49.4
153	17.4	0.0	43.0

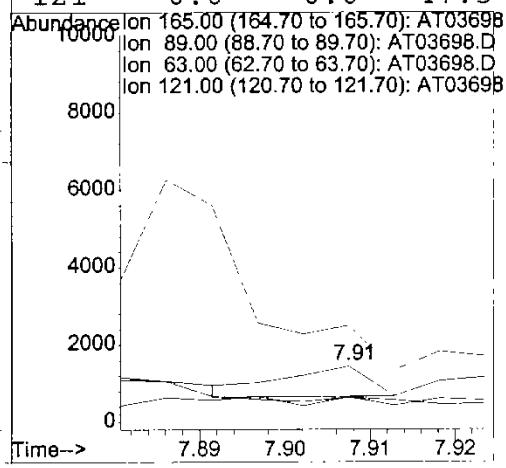


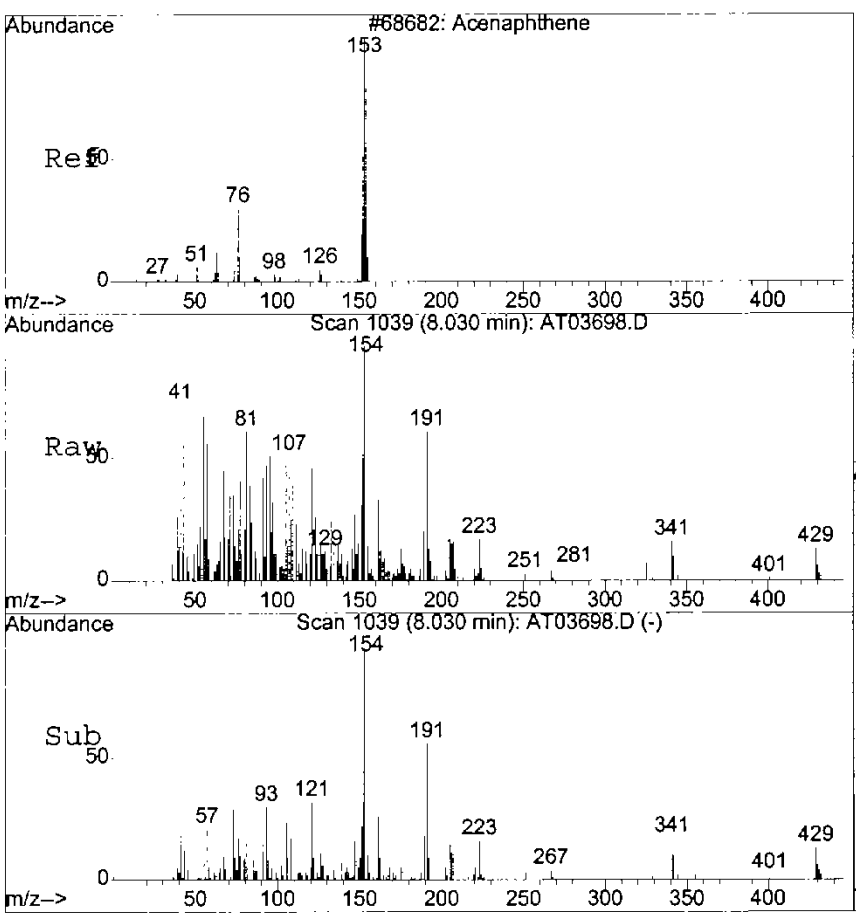


#50
2,6-Dinitrotoluene
Concen: 29.84 ug/L
RT: 7.91 min Scan# 1016
Delta R.T. 0.07 min
Lab File: AT03698.D
Acq: 1 Mar 2005 12:37 pm

Tgt Ion:165 Resp: 536

Ion	Ratio	Lower	Upper
165	100		
89	22.8	8.4	68.4
63	1.8	0.0	45.4
121	0.0	0.0	47.5

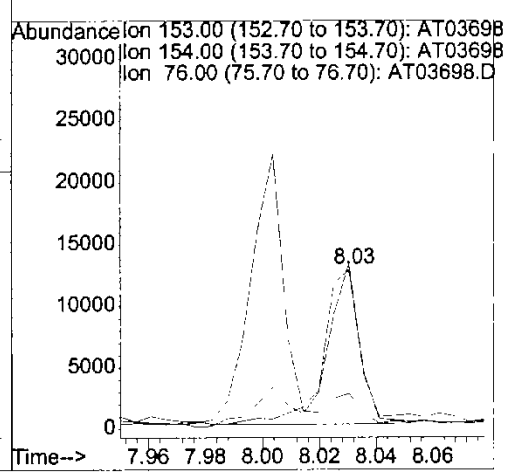


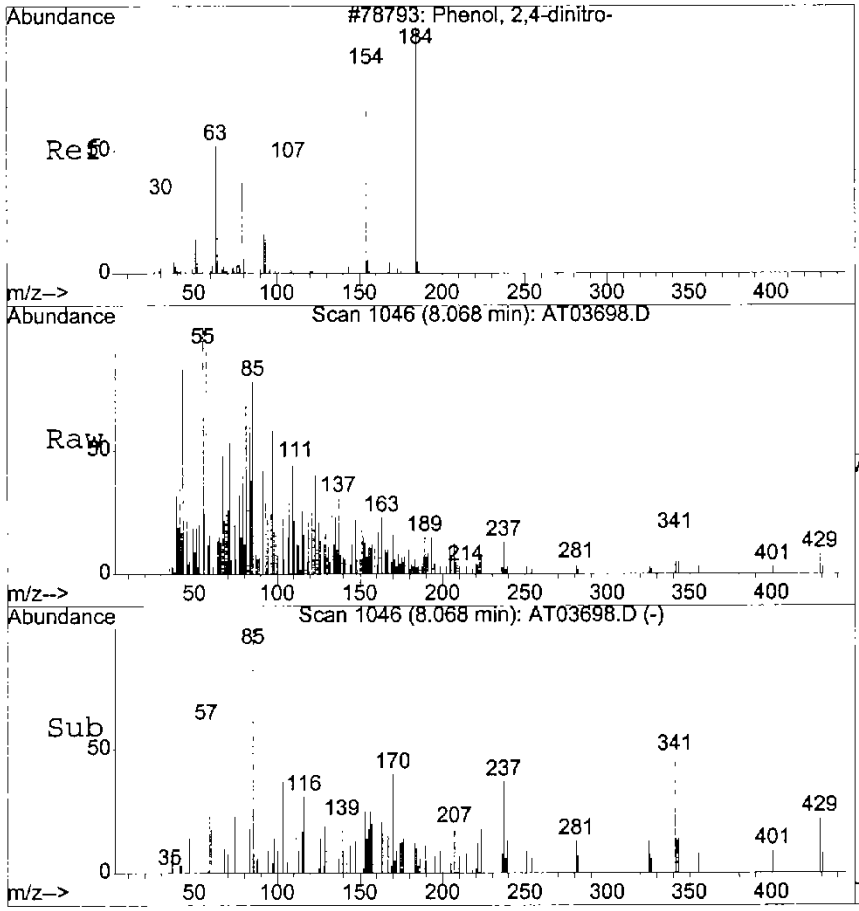


#52
Acenaphthene
Concen: 22.80 ug/L
RT: 8.03 min Scan# 1039
Delta R.T. 0.00 min
Lab File: AT03698.D
Acq: 1 Mar 2005 12:37 pm

Tgt Ion:153 Resp: 11472

Ion	Ratio	Lower	Upper
153	100		
154	106.4	53.5	113.5
76	17.9	0.0	50.2

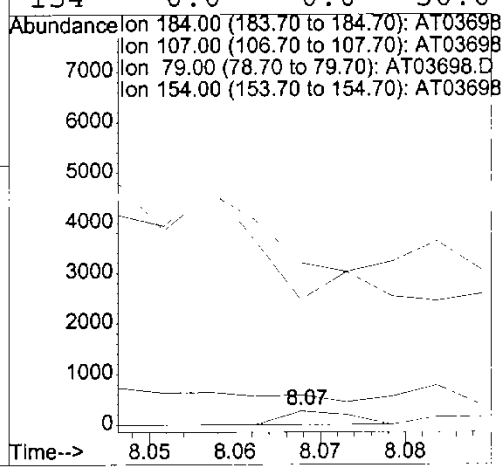


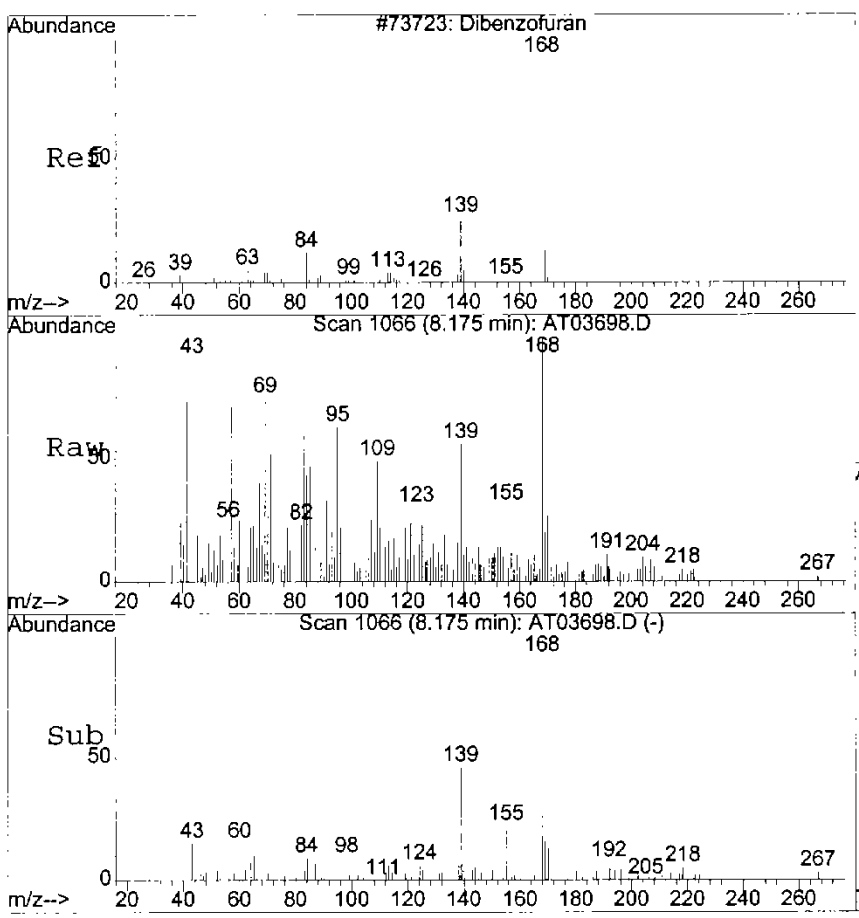


#53
2,4-Dinitrophenol
Concen: 345.83 ug/L
RT: 8.07 min Scan# 1046
Delta R.T. 0.01 min
Lab File: AT03698.D
Acq: 1 Mar 2005 12:37 pm

Tgt Ion:184 Resp: 150

Ion	Ratio	Lower	Upper
184	100		
107	0.0	0.0	58.6
79	0.0	0.0	48.2
154	0.0	0.0	30.0

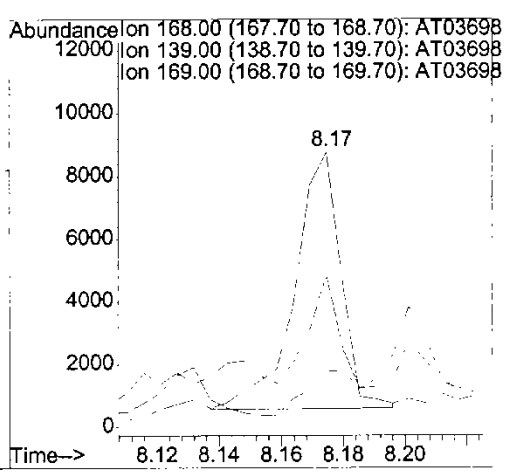


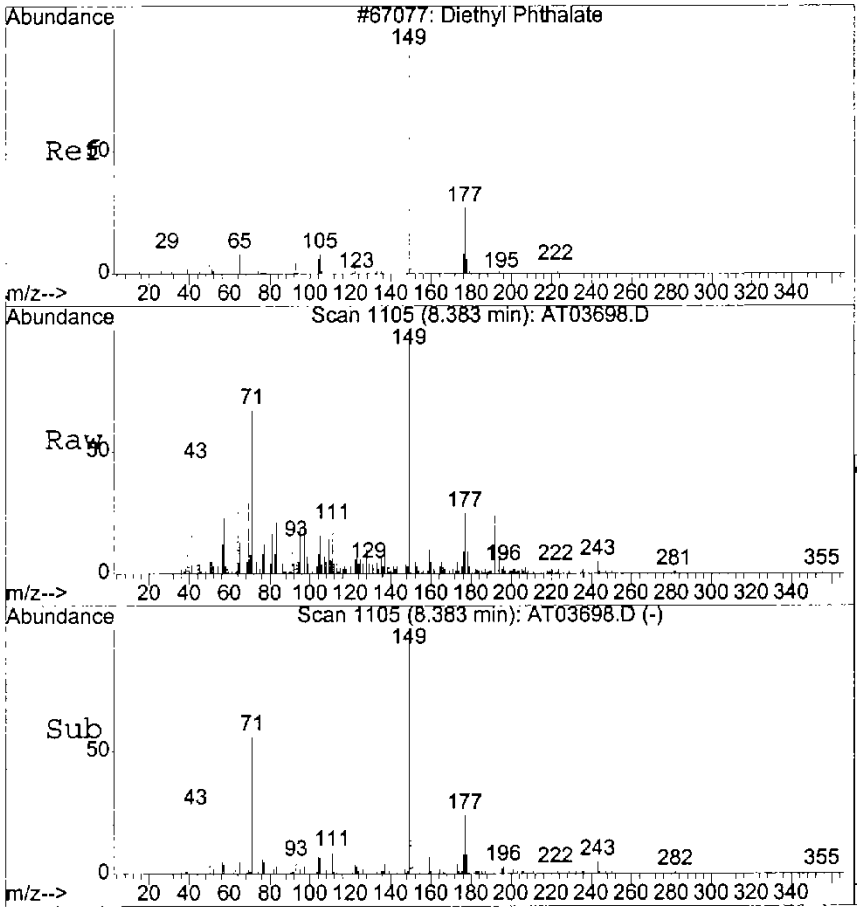


#55
Dibenzofuran
Concen: 12.57 ug/L
RT: 8.17 min Scan# 1066
Delta R.T. 0.00 min
Lab File: AT03698.D
Acq: 1 Mar 2005 12:37 pm

Tgt Ion:168 Resp: 8476

Ion	Ratio	Lower	Upper
168	100		
139	41.2	0.6	60.6
169	2.5	0.0	42.8

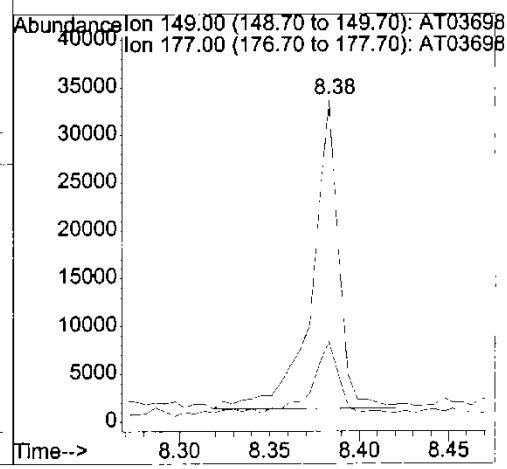


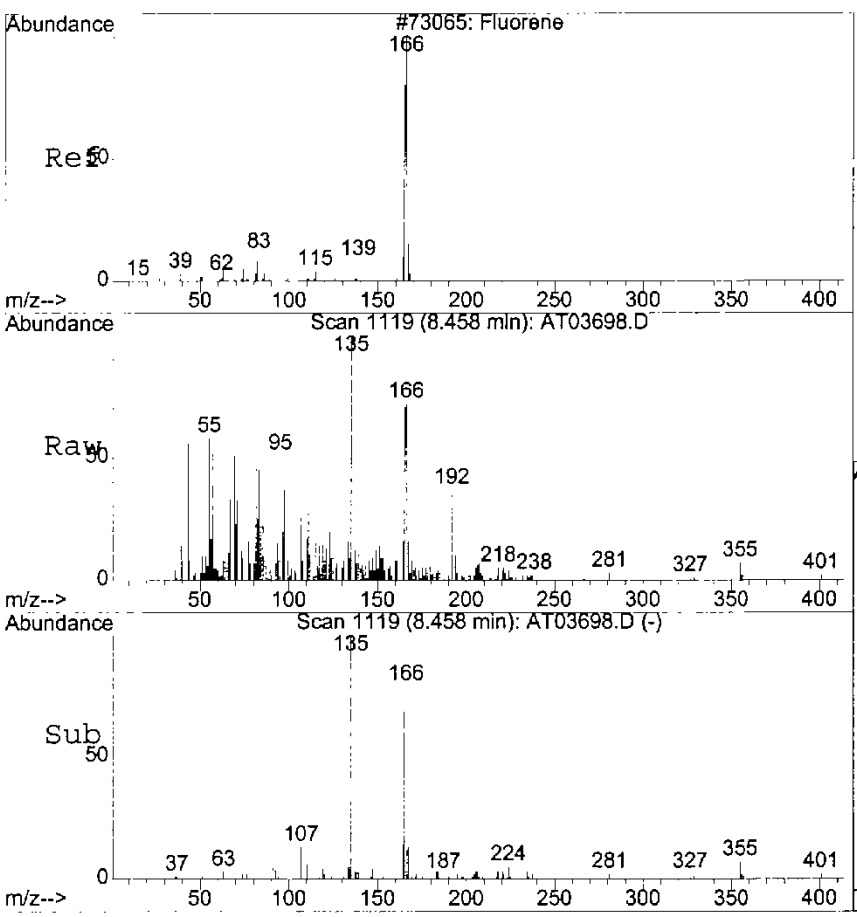


#59
Diethylphthalate
Concen: 61.11 ug/L
RT: 8.38 min Scan# 1105
Delta R.T. 0.01 min
Lab File: AT03698.D
Acq: 1 Mar 2005 12:37 pm

Tgt Ion:149 Resp: 33649

Ion	Ratio	Lower	Upper
149	100		
177	23.2	0.0	53.1

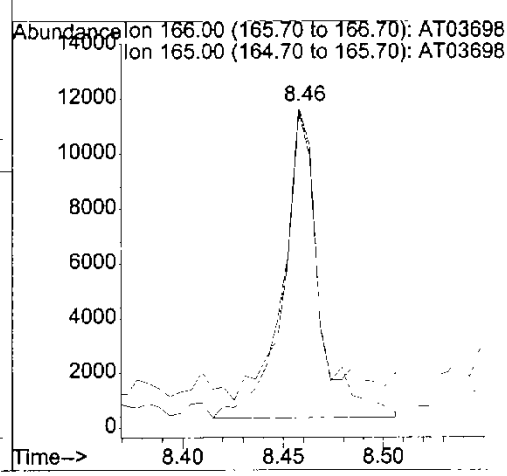


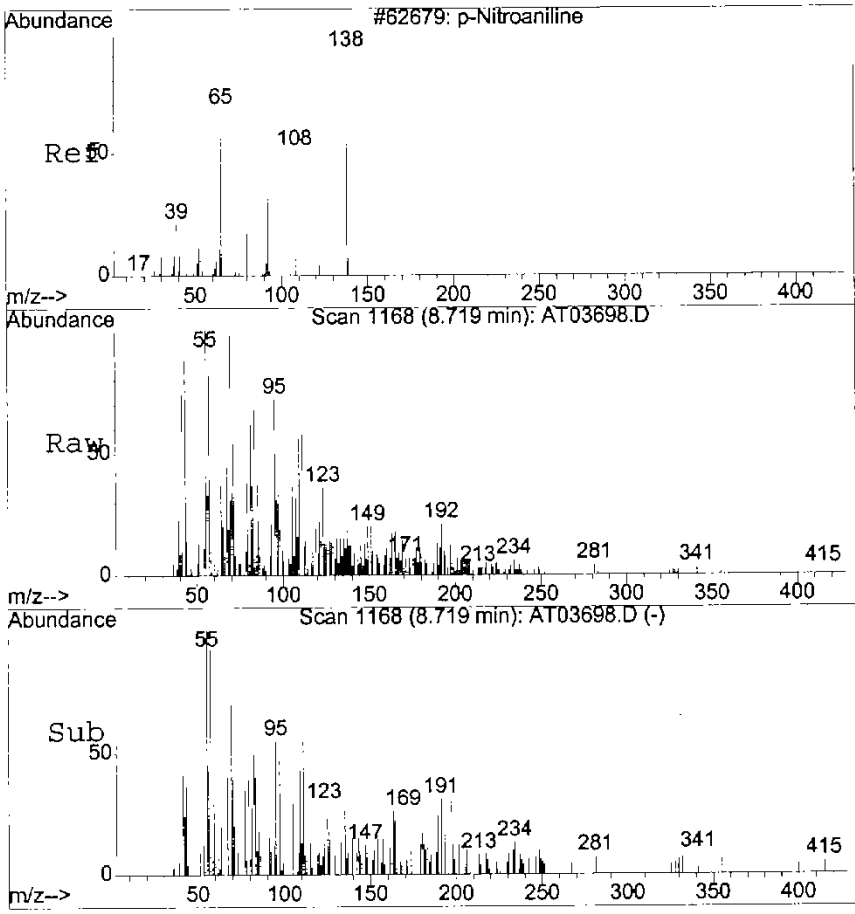


#60
Fluorene
Concen: 27.45 ug/L
RT: 8.46 min Scan# 1119
Delta R.T. -0.00 min
Lab File: AT03698.D
Acq: 1 Mar 2005 12:37 pm

Tgt Ion:166 Resp: 14239

Ion	Ratio	Lower	Upper
166	100		
165	87.8	65.1	125.1

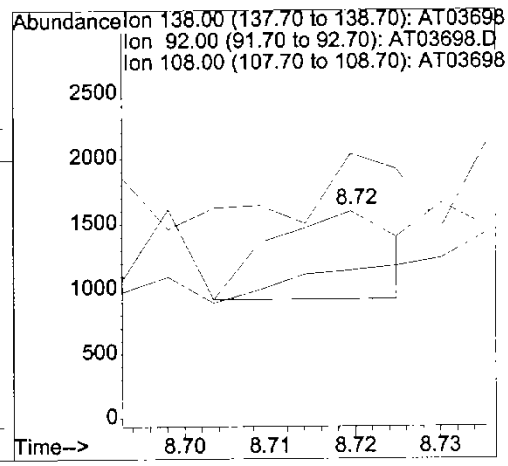


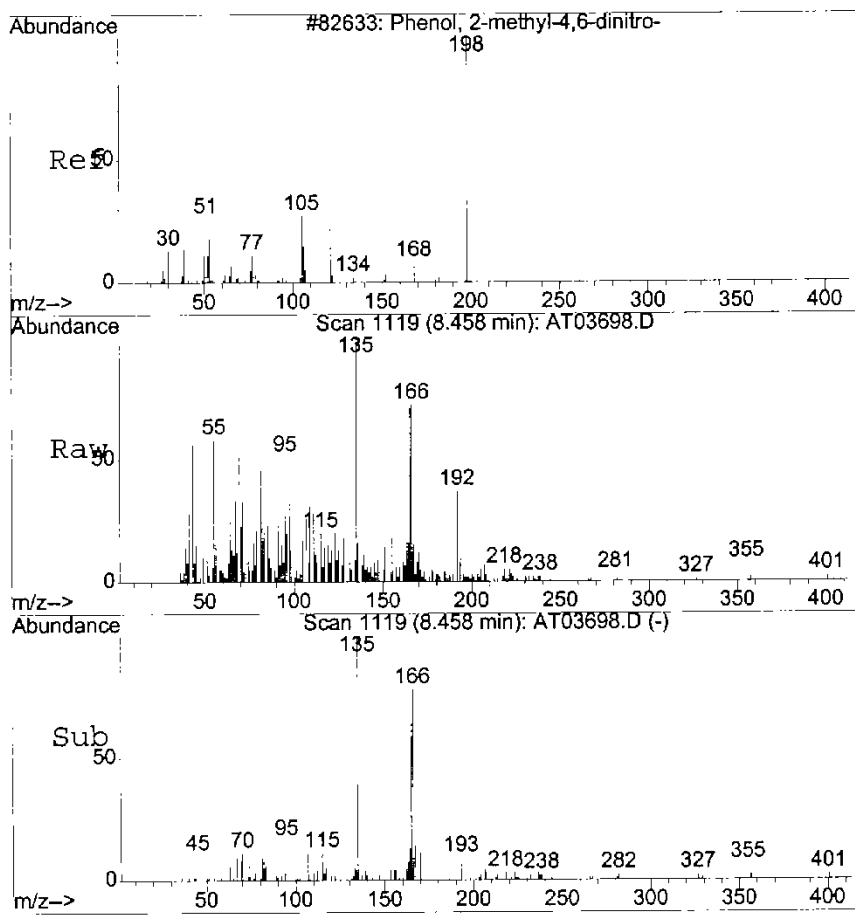


#62
4-Nitroaniline
Concen: 9.24 ug/L
RT: 8.72 min Scan# 1168
Delta R.T. 0.23 min
Lab File: AT03698.D
Acq: 1 Mar 2005 12:37 pm

Tgt Ion:138 Resp: 685

Ion	Ratio	Lower	Upper
138	100		
92	24.3	11.1	71.1
108	60.3	21.9	81.9

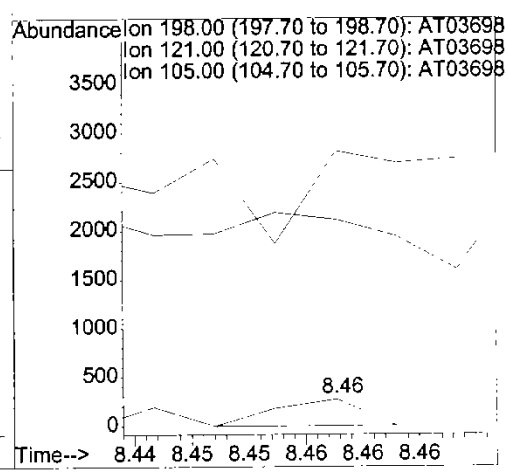


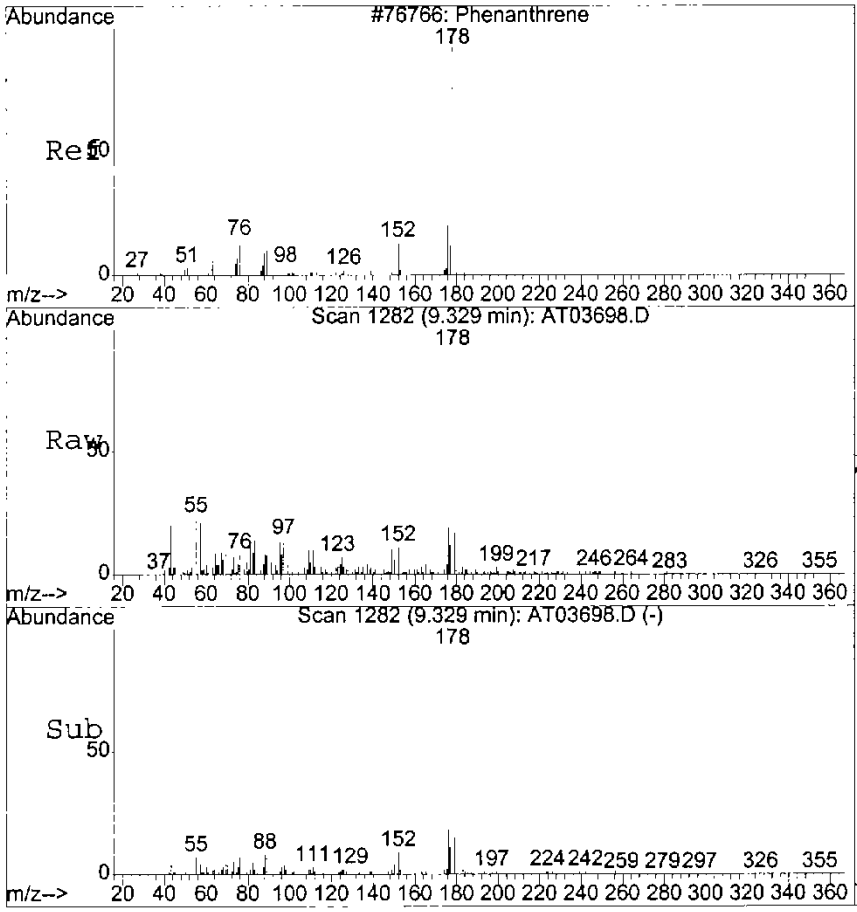


#64
4,6-Dinitro-2-methylphenol
Concen: 384.87 ug/L
RT: 8.46 min Scan# 1119
Delta R.T. -0.05 min
Lab File: AT03698.D
Acq: 1 Mar 2005 12:37 pm

Tgt Ion:198 Resp: 144

Ion	Ratio	Lower	Upper
198	100		
121	57.4	1.1	61.1
105	37.7	3.7	63.7

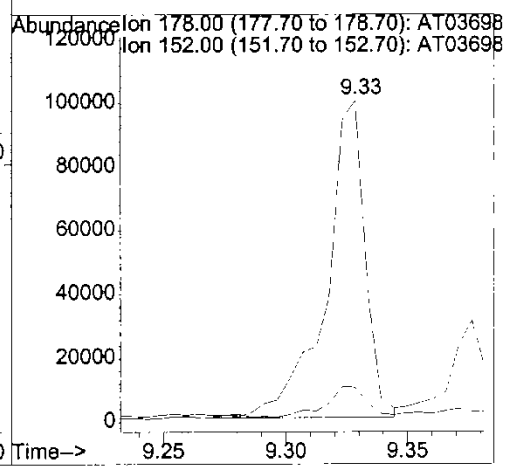


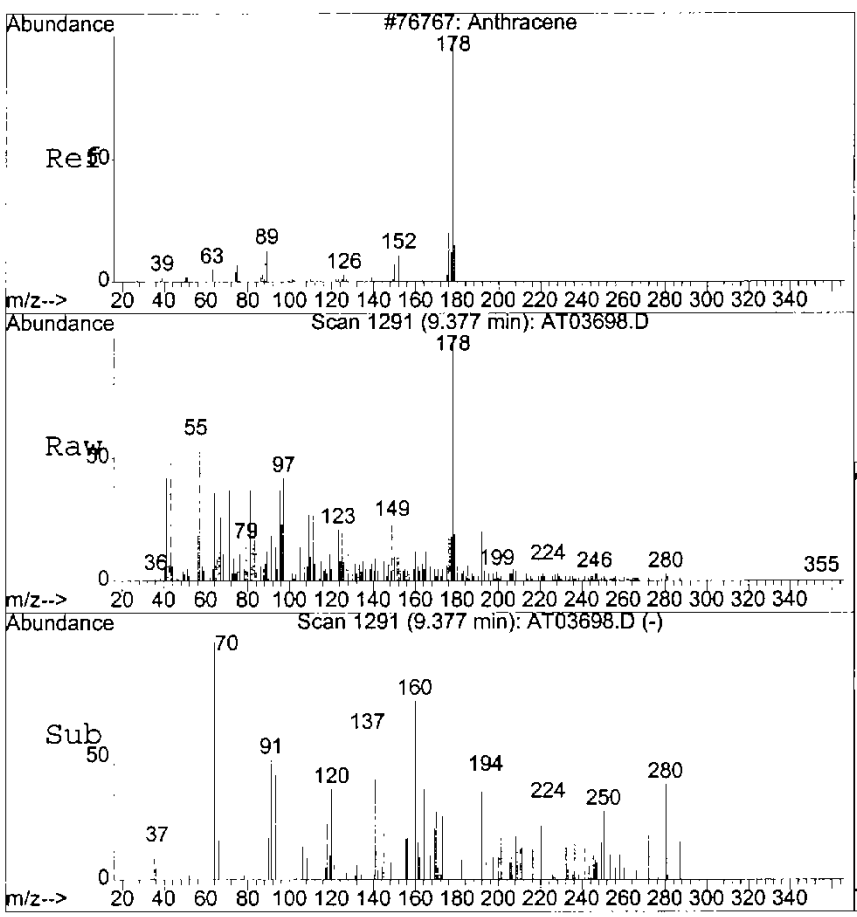


#71
Phenanthrene
Concen: 135.19 ug/L
RT: 9.33 min Scan# 1282
Delta R.T. 0.00 min
Lab File: AT03698.D
Acq: 1 Mar 2005 12:37 pm

Tgt Ion:178 Resp: 110947

Ion	Ratio	Lower	Upper
178	100		
152	8.8	0.0	38.6

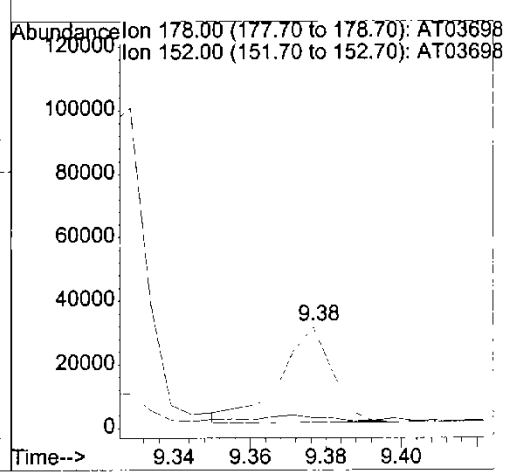


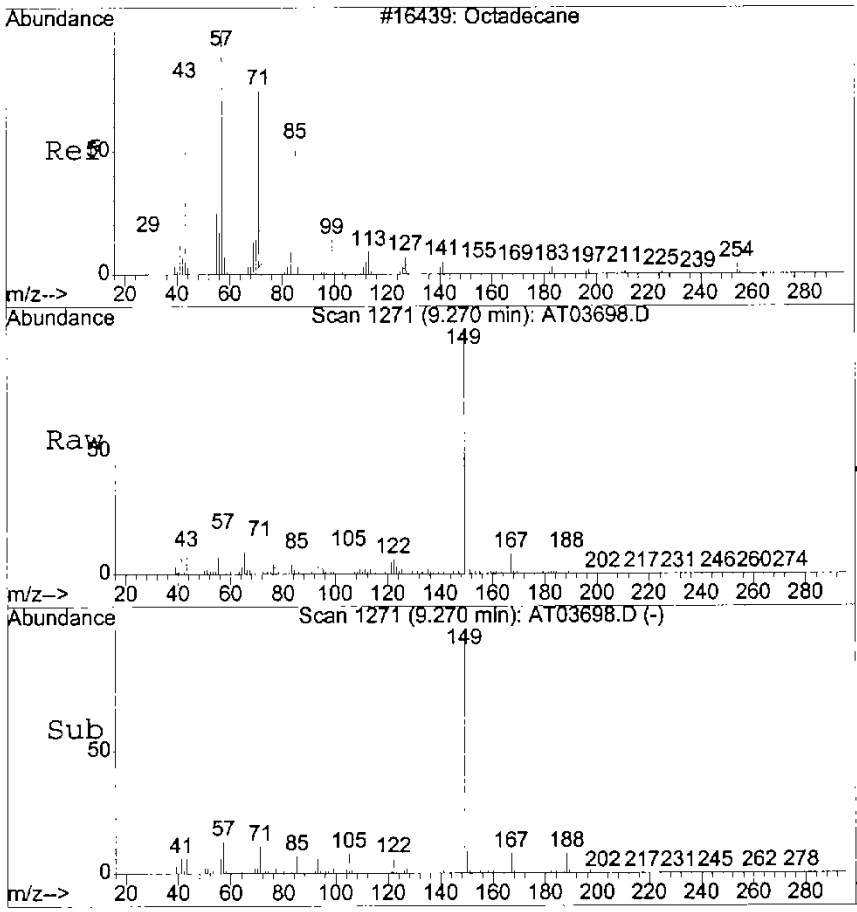


#72
Anthracene
Concen: 38.08 ug/L
RT: 9.38 min Scan# 1291
Delta R.T. 0.00 min
Lab File: AT03698.D
Acq: 1 Mar 2005 12:37 pm

Tgt Ion:178 Resp: 28342

Ion	Ratio	Lower	Upper
178	100		
152	0.7	0.0	37.1

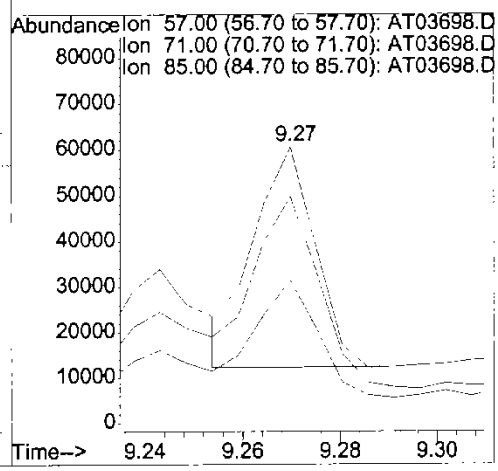


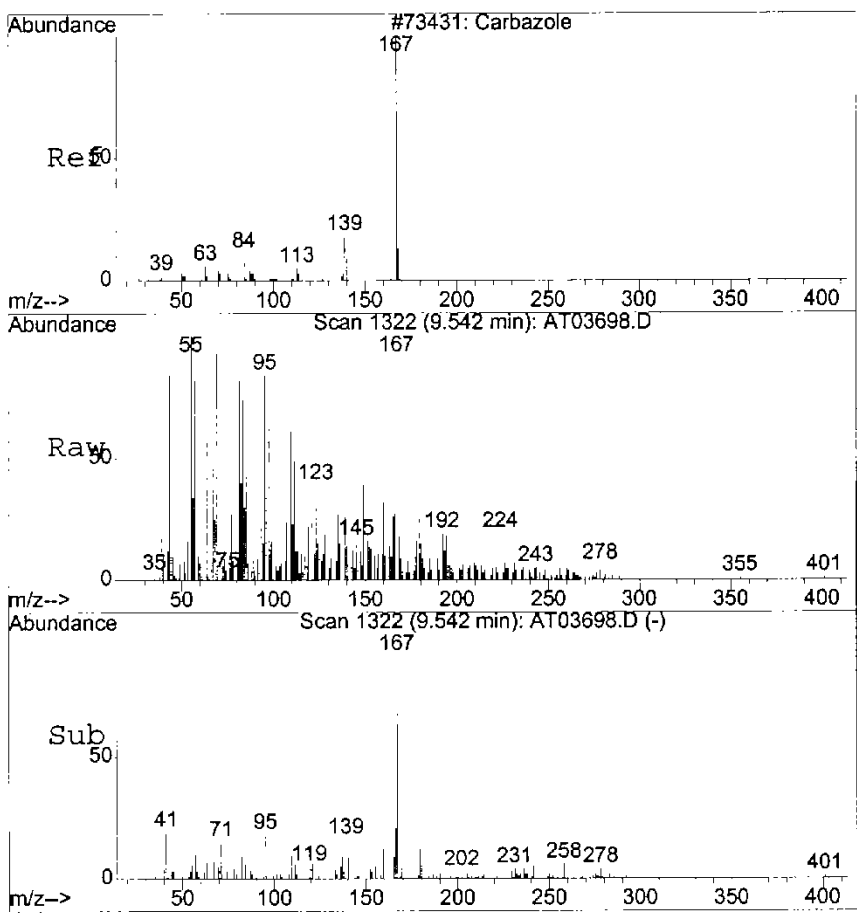


#73
Octadecane
Concen: 177.83 ul/L
RT: 9.27 min Scan# 1271
Delta R.T. 0.03 min
Lab File: AT03698.D
Acq: 1 Mar 2005 12:37 pm

Tgt Ion: 57 Resp: 42352

Ion	Ratio	Lower	Upper
57	100		
71	95.7	51.7	96.1
85	55.7	37.4	69.4

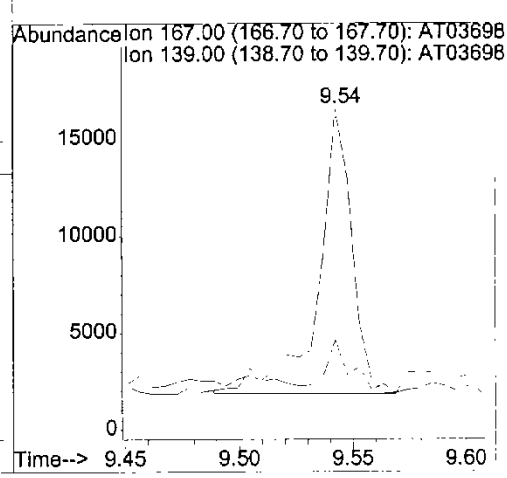


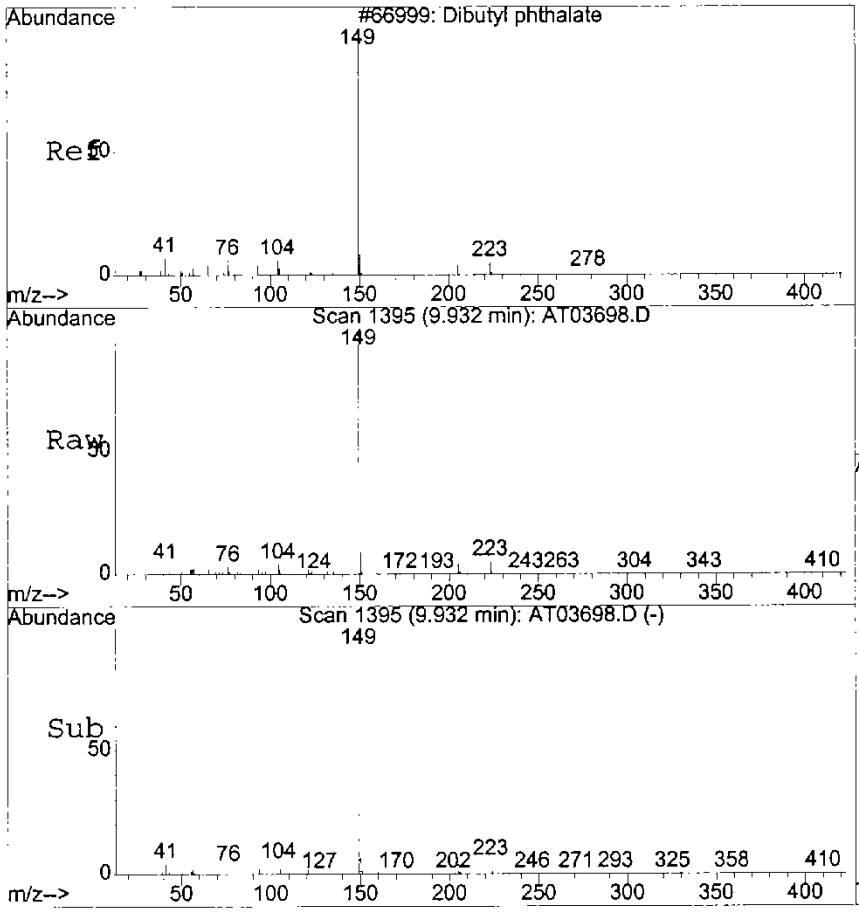


#74
Carbazole
Concen: 30.17 ug/L
RT: 9.54 min Scan# 1322
Delta R.T. 0.00 min
Lab File: AT03698.D
Acq: 1 Mar 2005 12:37 pm

Tgt Ion:167 Resp: 15200

Ion	Ratio	Lower	Upper
167	100		
139	16.8	0.0	42.1

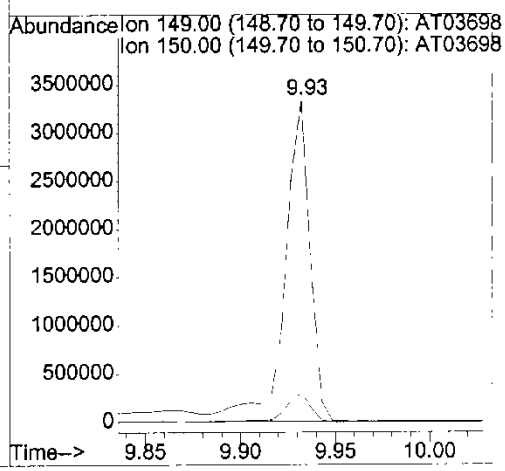


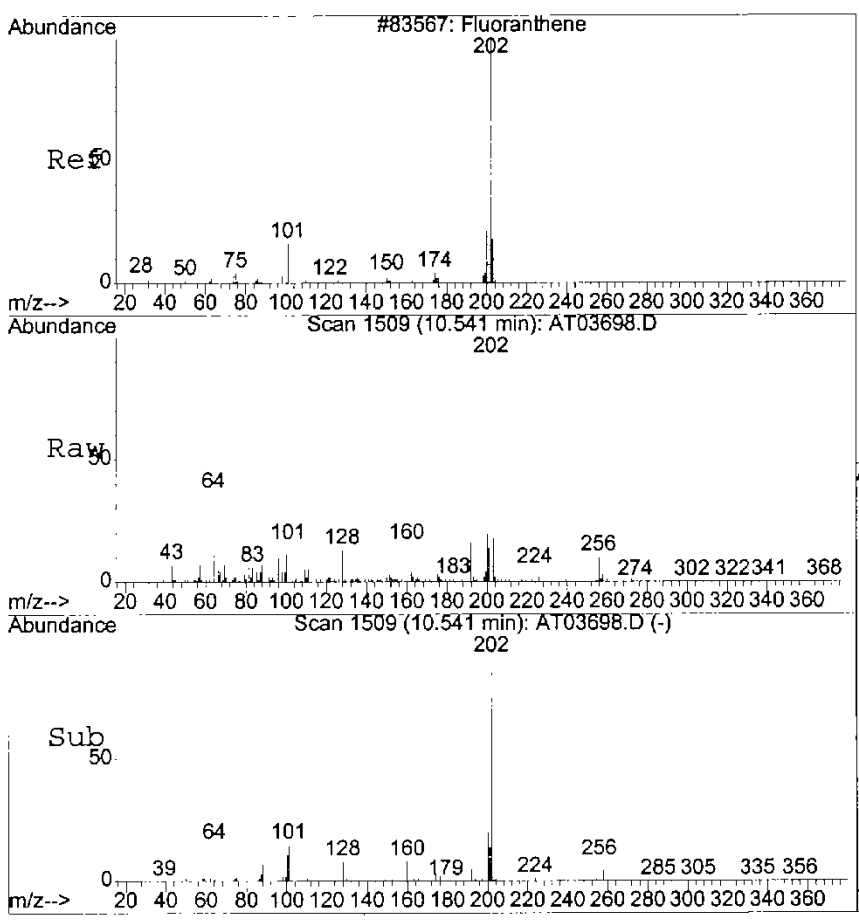


#75
Di-n-butylphthalate
Concen: 3494.34 ug/L
RT: 9.93 min Scan# 1395
Delta R.T. 0.00 min
Lab File: AT03698.D
Acq: 1 Mar 2005 12:37 pm

Tgt Ion:149 Resp: 3082598

Ion	Ratio	Lower	Upper
149	100		
150	8.9	0.0	38.8

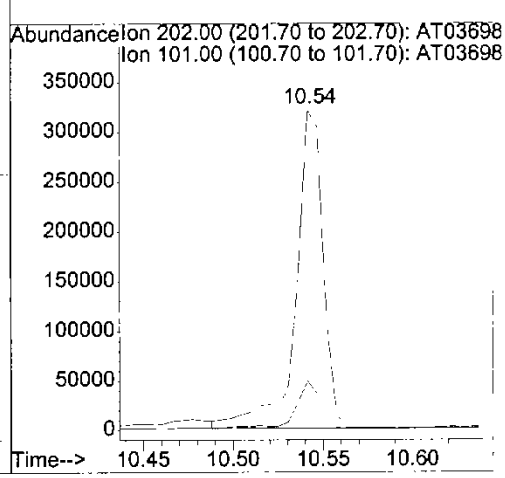


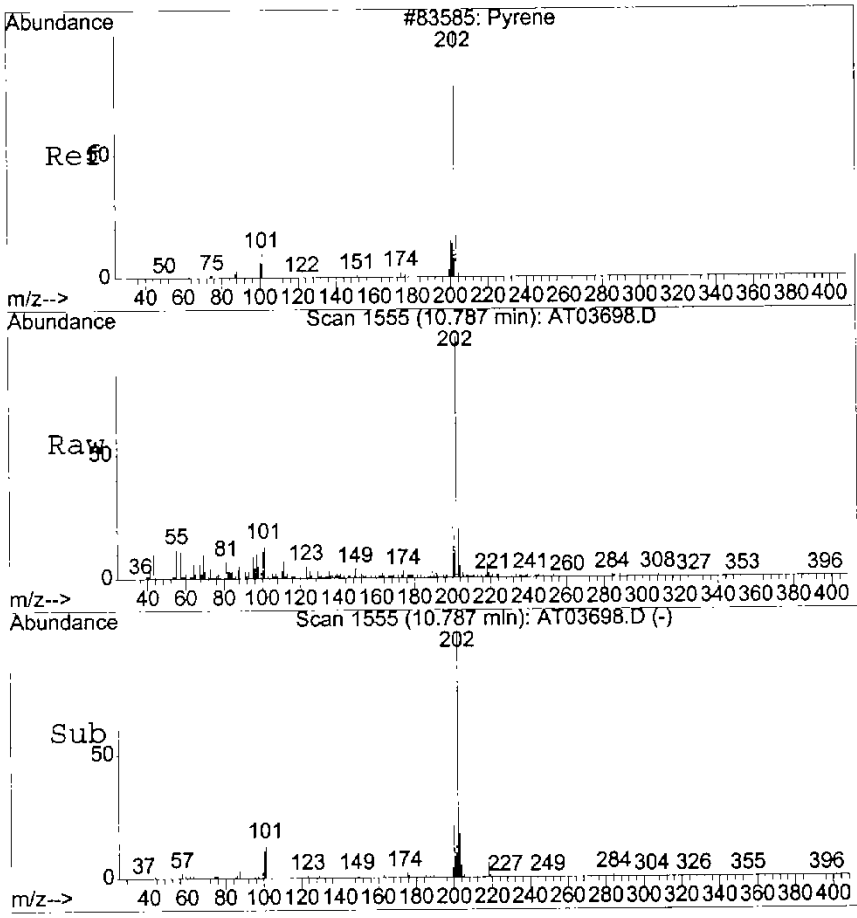


#76
Fluoranthene
Concen: 403.78 ug/L
RT: 10.54 min Scan# 1509
Delta R.T. 0.00 min
Lab File: AT03698.D
Acq: 1 Mar 2005 12:37 pm

Tgt Ion:202 Resp: 338206

Ion	Ratio	Lower	Upper
202	100		
101	15.2	0.0	43.1

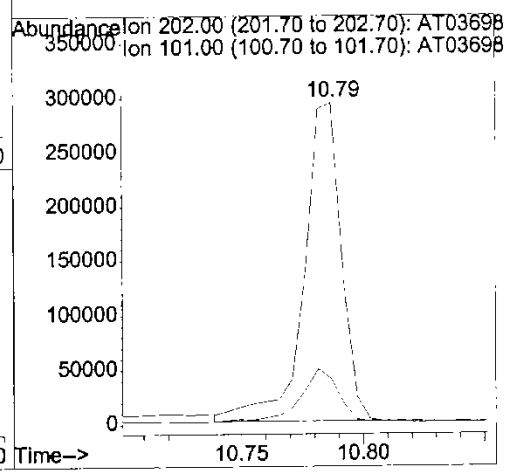


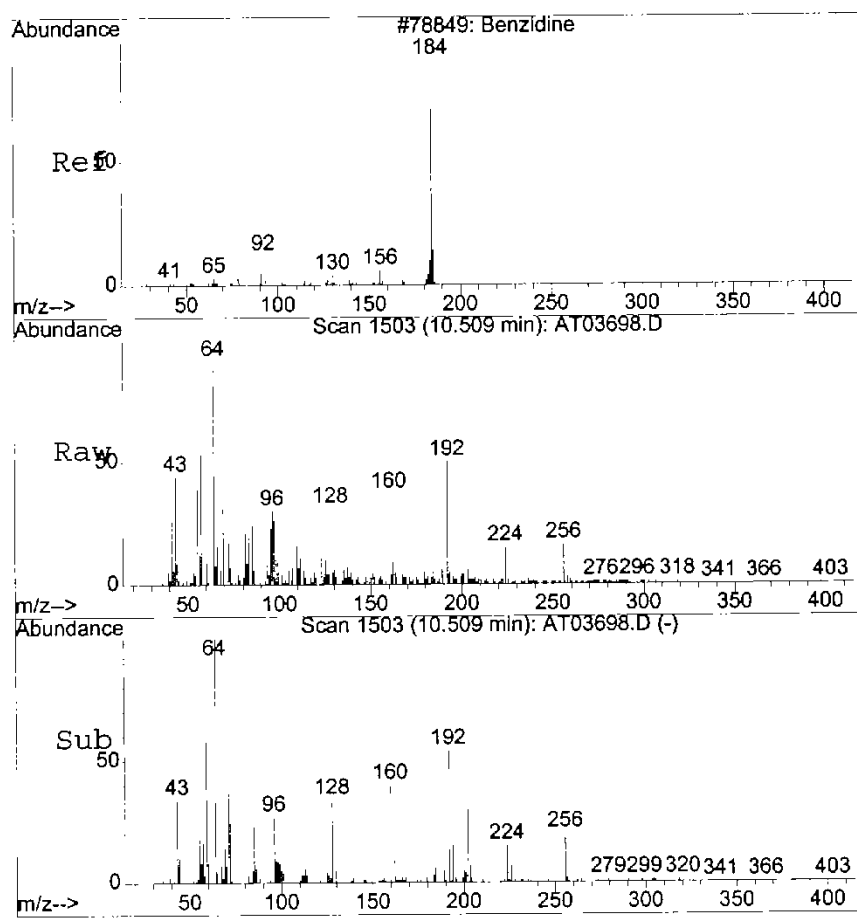


#77
Pyrene
Concen: 360.44 ug/L
RT: 10.79 min Scan# 1555
Delta R.T. 0.00 min
Lab File: AT03698.D
Acq: 1 Mar 2005 12:37 pm

Tgt Ion:202 Resp: 313148

Ion	Ratio	Lower	Upper
202	100		
101	13.5	0.0	44.9

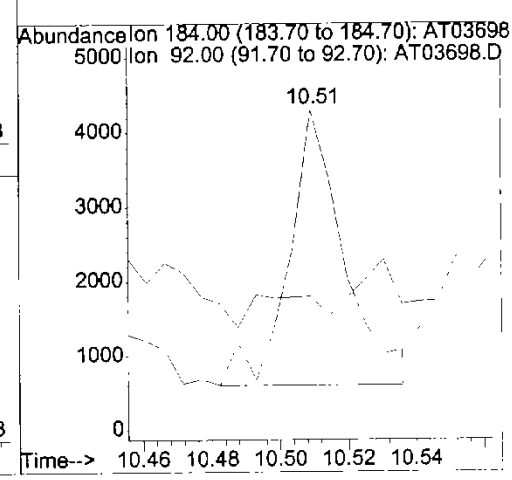


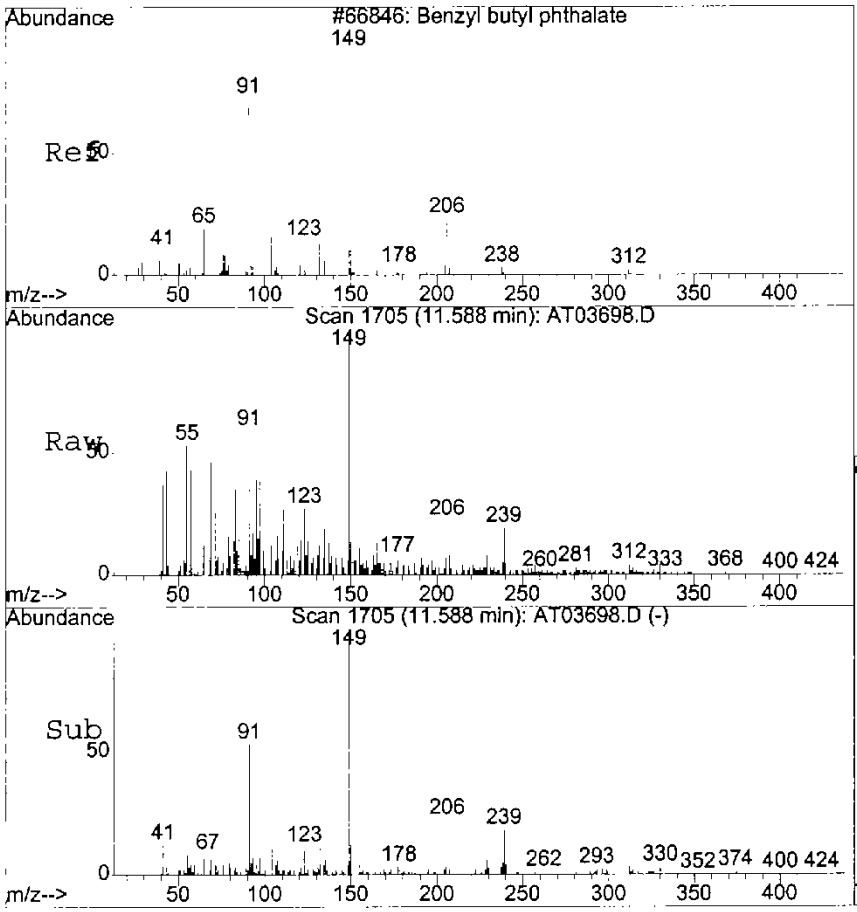


#78
Benzidine
Concen: 34.77 ul/l
RT: 10.51 min Scan# 1503
Delta R.T. -0.21 min
Lab File: AT03698.D
Acq: 1 Mar 2005 12:37 pm

Tgt Ion:184 Resp: 4142

Ion	Ratio	Lower	Upper
184	100		
92	13.8	0.0	39.3

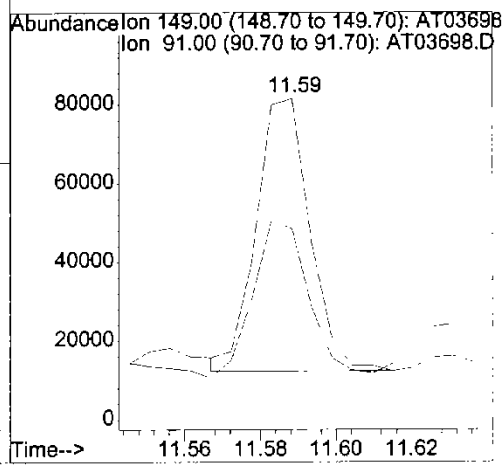


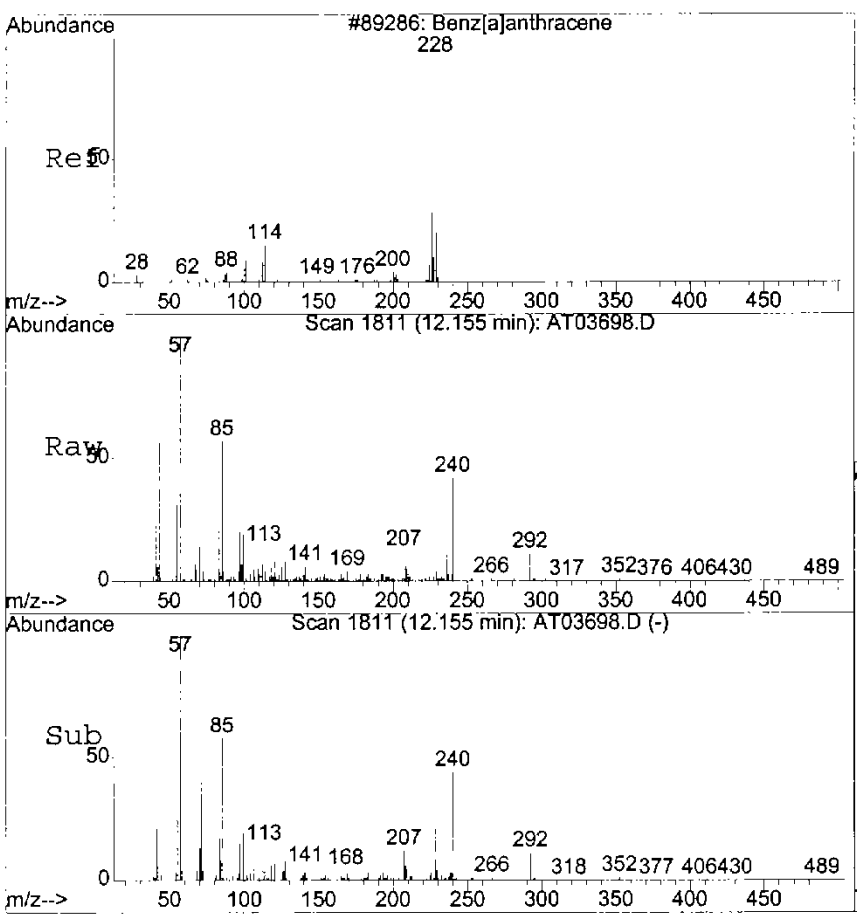


#81
Butylbenzylphthalate
Concen: 259.07 ug/L
RT: 11.59 min Scan# 1705
Delta R.T. 0.01 min
Lab File: AT03698.D
Acq: 1 Mar 2005 12:37 pm

Tgt Ion:149 Resp: 67793

Ion	Ratio	Lower	Upper
149	100		
91	53.5	30.6	90.6

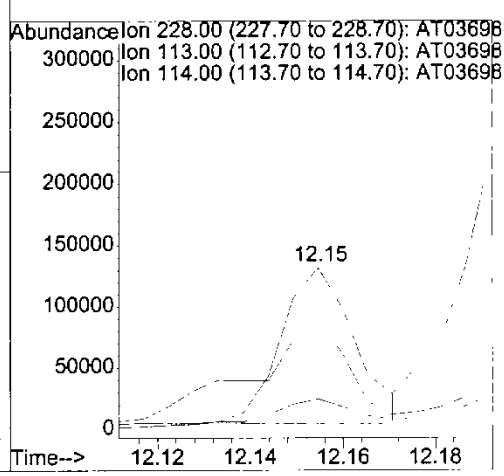


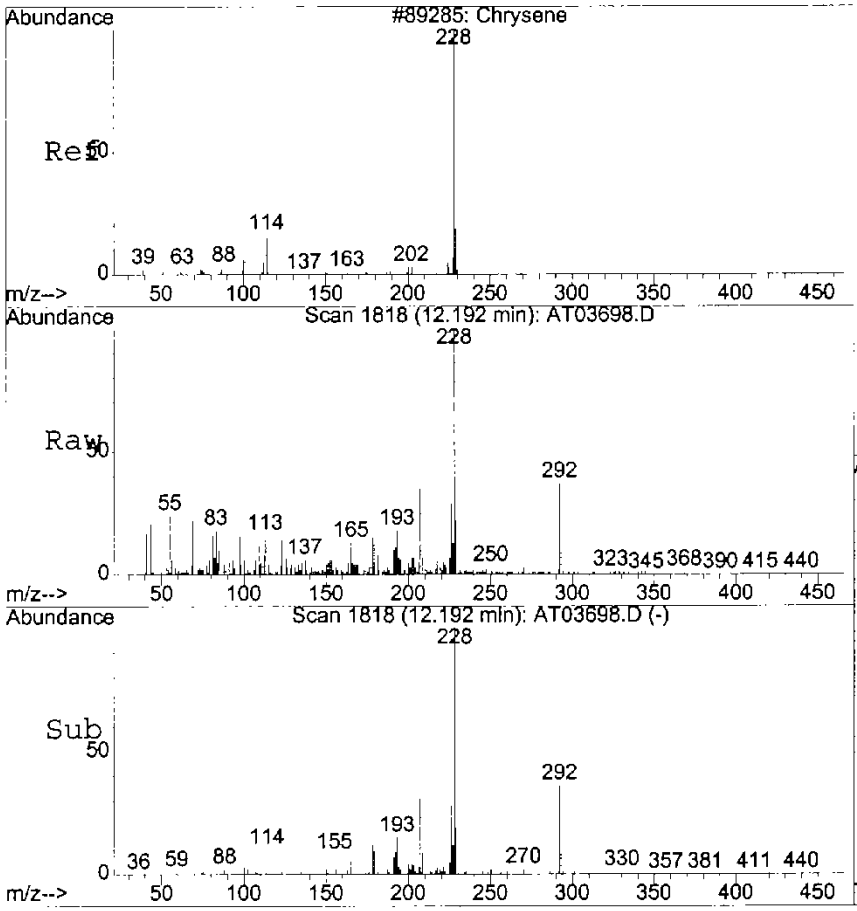


#82
Benzo(a)anthracene
Concen: 195.30 ug/L m
RT: 12.15 min Scan# 1811
Delta R.T. 0.00 min
Lab File: AT03698.D
Acq: 1 Mar 2005 12:37 pm

Tgt Ion:228 Resp: 139255

Ion	Ratio	Lower	Upper
228	100		
113	68.7	0.0	41.1#
114	18.5	0.0	42.7

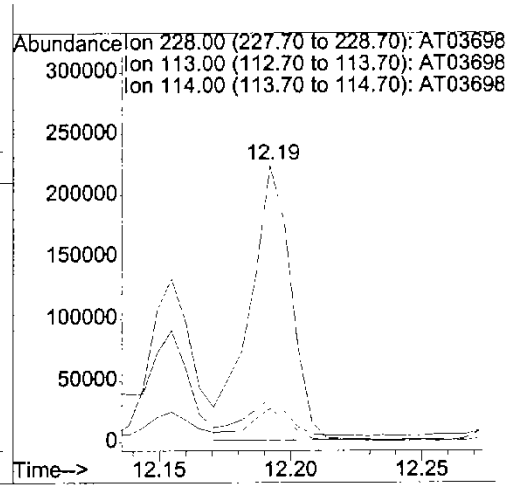


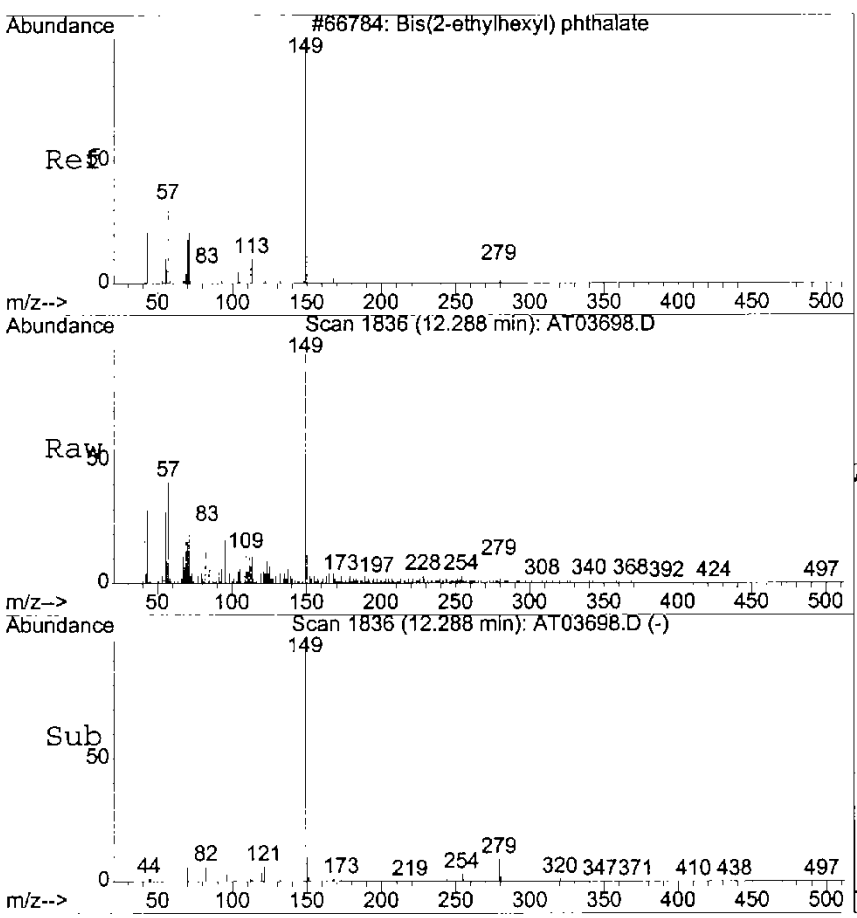


#84
Chrysene
Concen: 322.05 ug/L
RT: 12.19 min Scan# 1818
Delta R.T. 0.00 min
Lab File: AT03698.D
Acq: 1 Mar 2005 12:37 pm

Tgt Ion:228 Resp: 239343

Ion	Ratio	Lower	Upper
228	100		
113	13.0	0.0	42.9
114	10.7	0.0	41.2

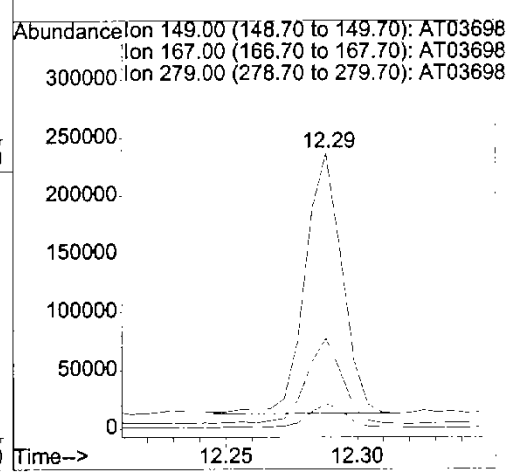


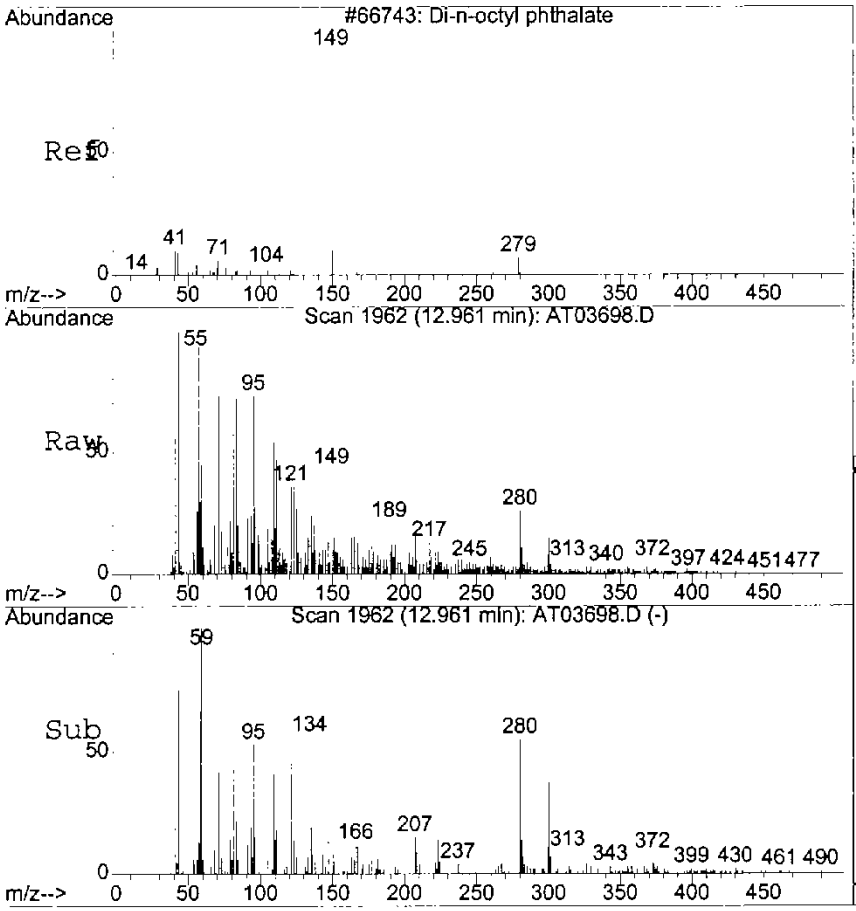


#85
bis(2-Ethylhexyl)phthalate
Concen: 474.76 ug/L
RT: 12.29 min Scan# 1836
Delta R.T. 0.00 min
Lab File: AT03698.D
Acq: 1 Mar 2005 12:37 pm

Tgt Ion:149 Resp: 218634

Ion	Ratio	Lower	Upper
149	100		
167	32.5	2.4	62.4
279	8.9	0.0	39.8

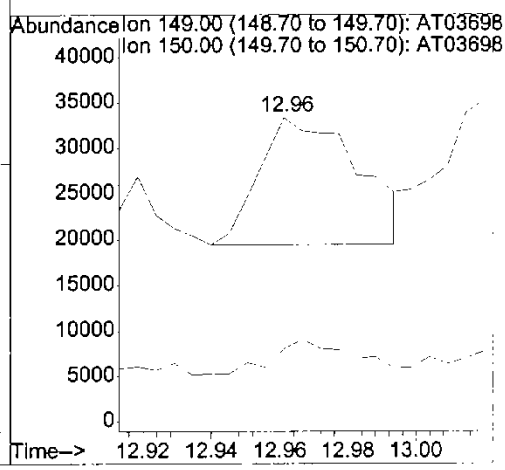


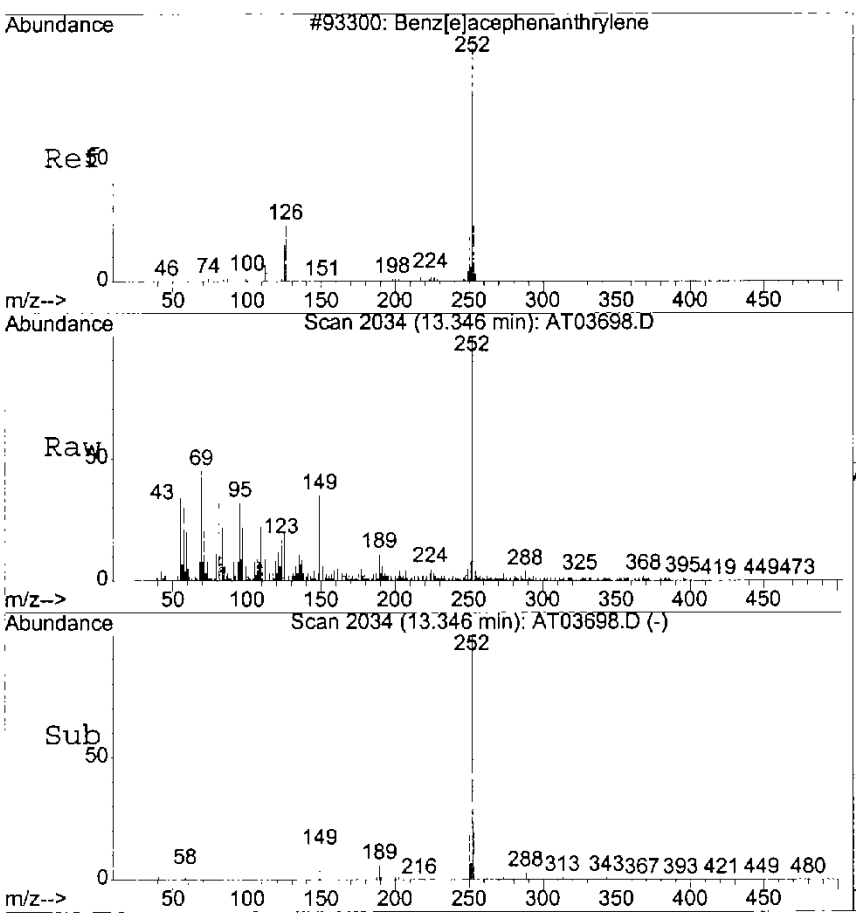


#87
Di-n-octylphthalate
Concen: 38.65 ug/L
RT: 12.96 min Scan# 1962
Delta R.T. 0.01 min
Lab File: AT03698.D
Acq: 1 Mar 2005 12:37 pm

Tgt Ion:149 Resp: 27981

Ion	Ratio	Lower	Upper
149	100		
150	22.3	0.0	39.5

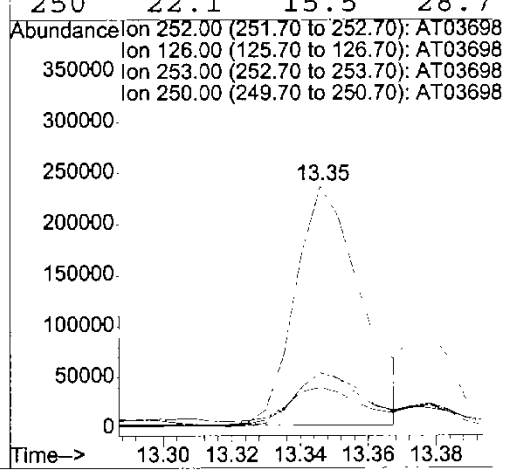


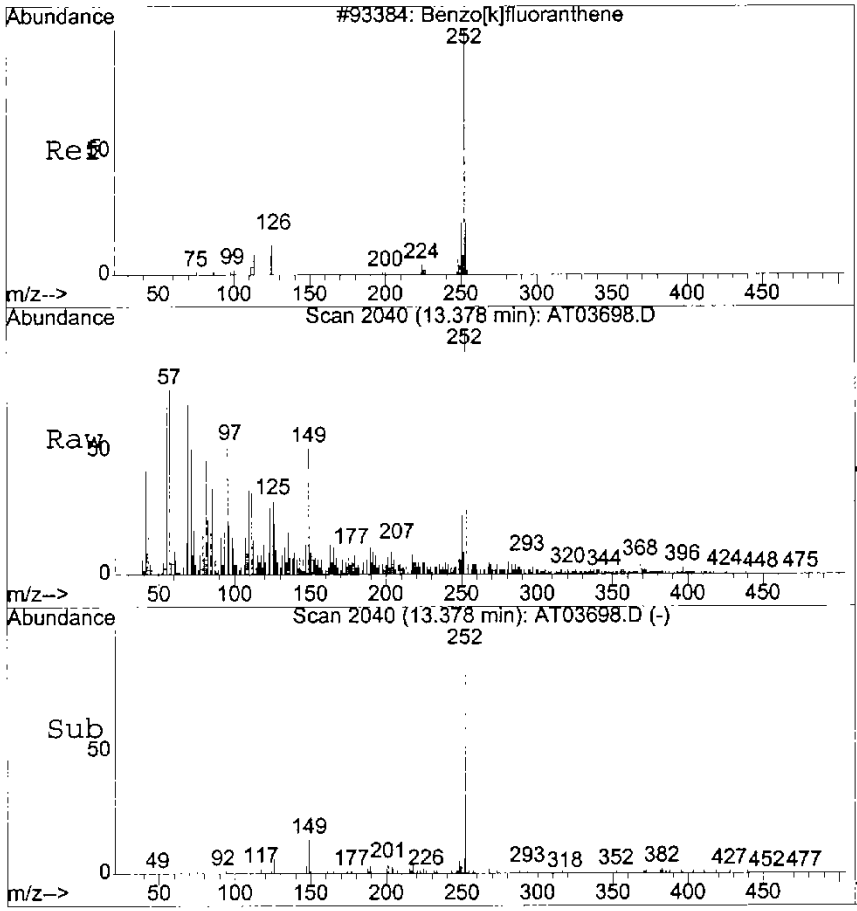


#88
Benzo(b)fluoranthene
Concen: 398.92 ul/l
RT: 13.35 min Scan# 2034
Delta R.T. 0.01 min
Lab File: AT03698.D
Acq: 1 Mar 2005 12:37 pm

Tgt Ion:252 Resp: 316631

Ion	Ratio	Lower	Upper
252	100		
126	14.2	11.5	21.5
253	23.3	15.2	28.2
250	22.1	15.5	28.7

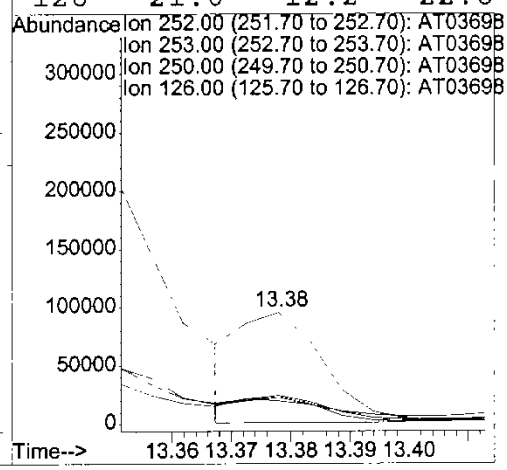


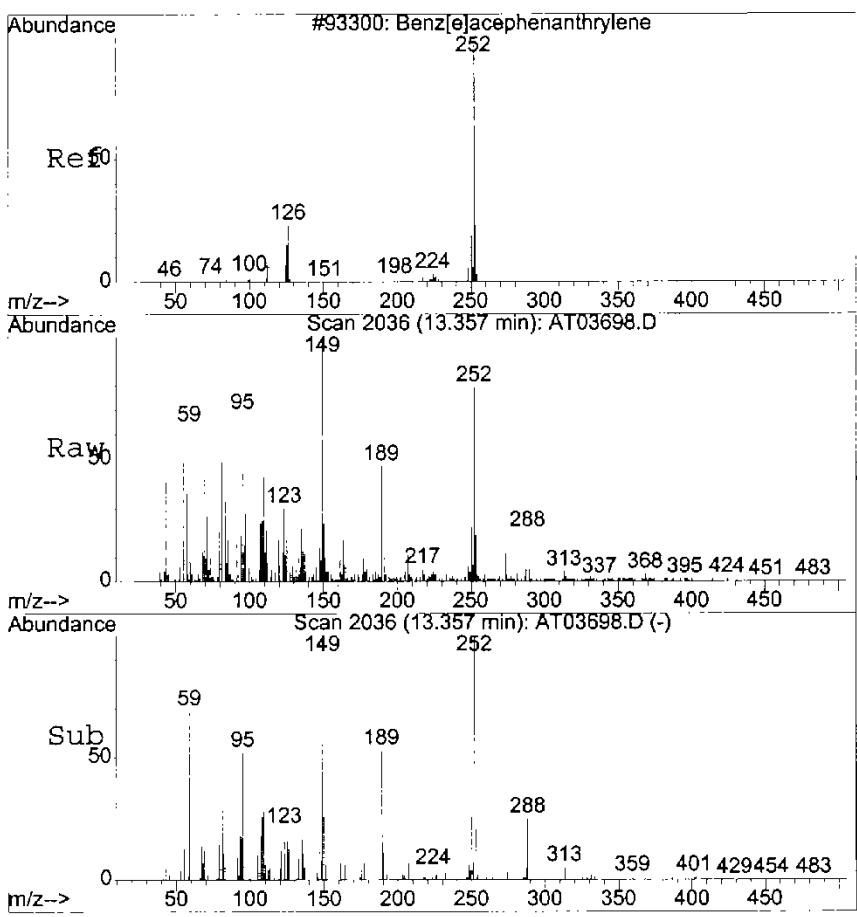


#89
benzo(k)fluoranthene
Concen: 130.13 ul/l m
RT: 13.38 min Scan# 2040
Delta R.T. 0.01 min
Lab File: AT03698.D
Acq: 1 Mar 2005 12:37 pm

Tgt Ion:252 Resp: 93317

Ion	Ratio	Lower	Upper
252	100		
253	25.8	15.3	28.5
250	24.0	15.5	28.9
126	21.0	12.2	22.6

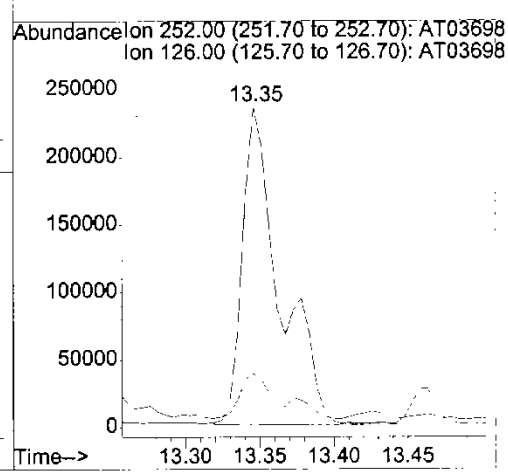


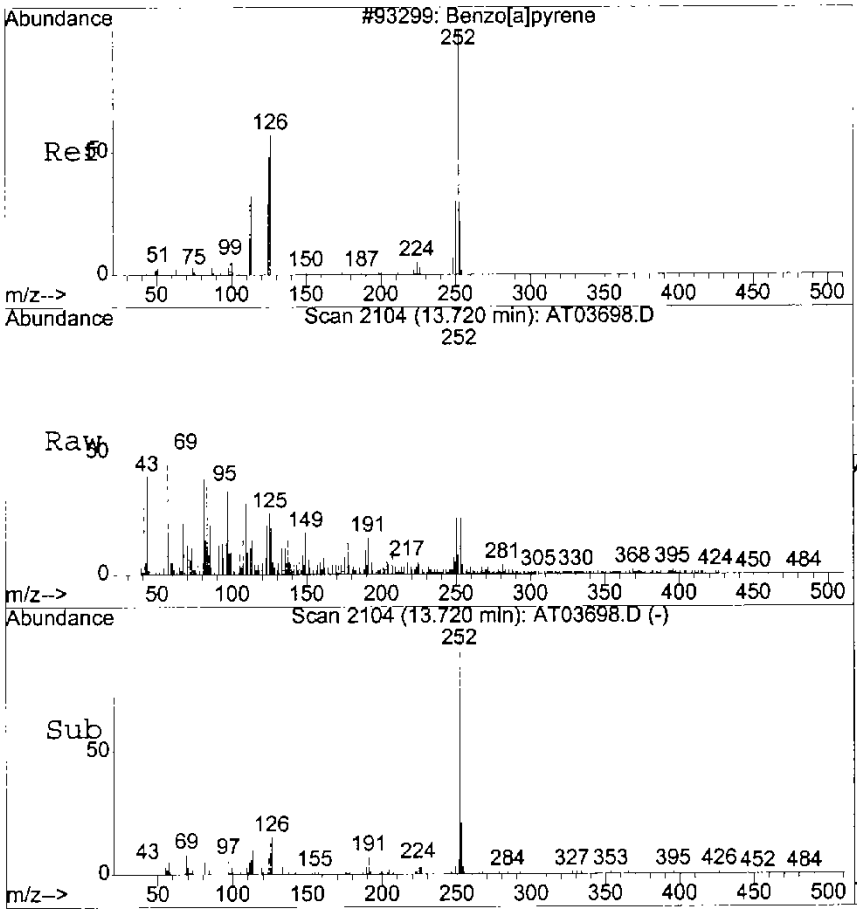


#90
Benzofluoranthenes
Concen: 568.71 ug/L
RT: 13.36 min Scan# 2036
Delta R.T. -0.00 min
Lab File: AT03698.D
Acq: 1 Mar 2005 12:37 pm

Tgt Ion:252 Resp: 413094

Ion	Ratio	Lower	Upper
252	100		
126	13.0	0.0	47.4

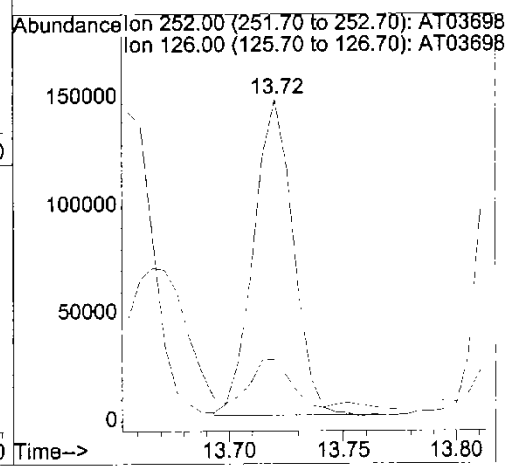


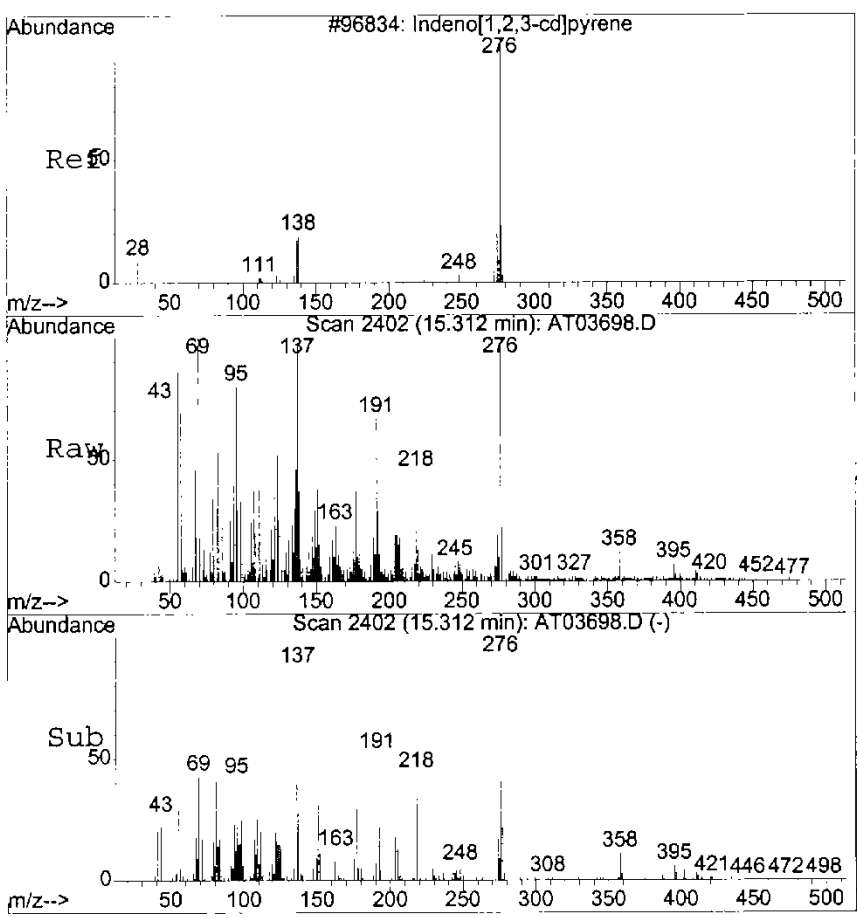


#91
Benzo(a)pyrene
Concen: 283.62 ug/L
RT: 13.72 min Scan# 2104
Delta R.T. 0.01 min
Lab File: AT03698.D
Acq: 1 Mar 2005 12:37 pm

Tgt Ion:252 Resp: 176632

Ion	Ratio	Lower	Upper
252	100		
126	14.0	0.0	45.3

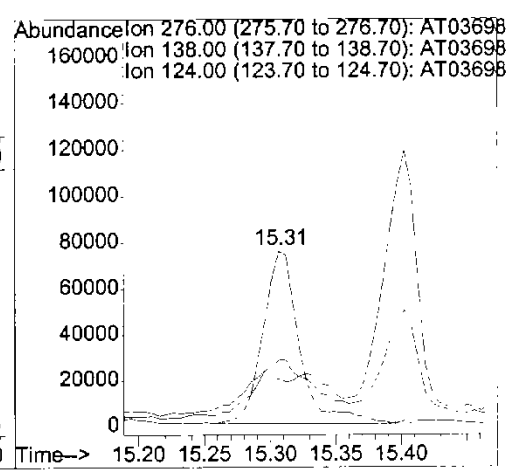


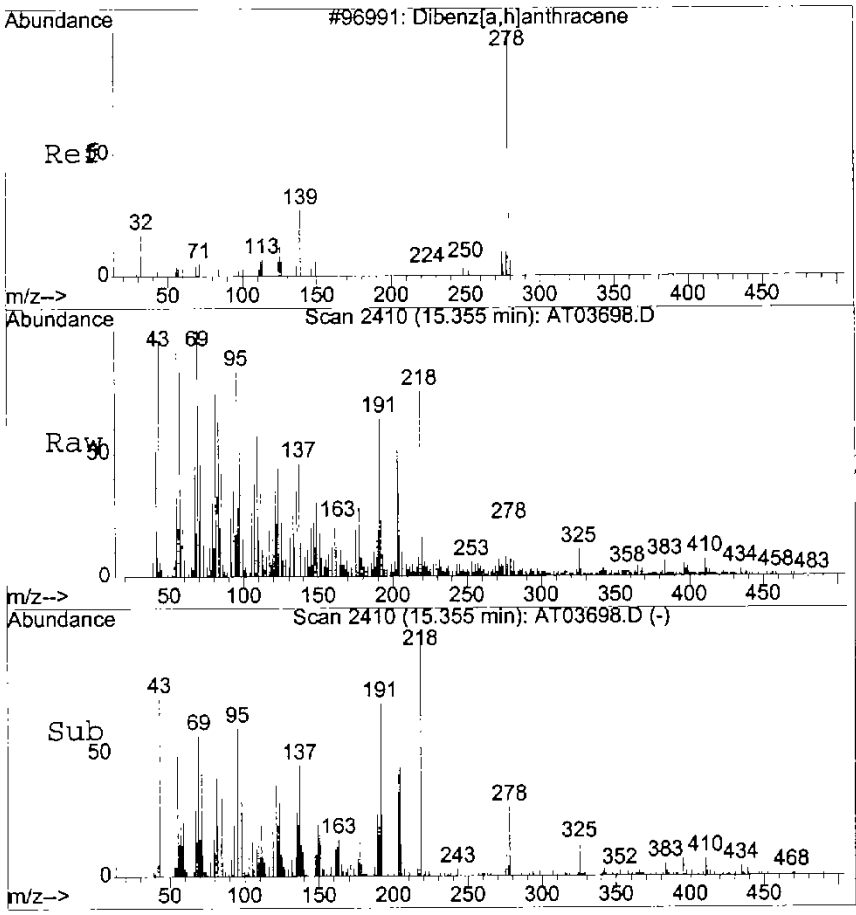


#92
Indeno(1,2,3-cd)pyrene
Concen: 229.64 ug/L
RT: 15.31 min Scan# 2402
Delta R.T. 0.02 min
Lab File: AT03698.D
Acq: 1 Mar 2005 12:37 pm

Tgt Ion:276 Resp: 145669

Ion	Ratio	Lower	Upper
276	100		
138	6.2	0.0	51.8
124	0.0	0.0	35.4

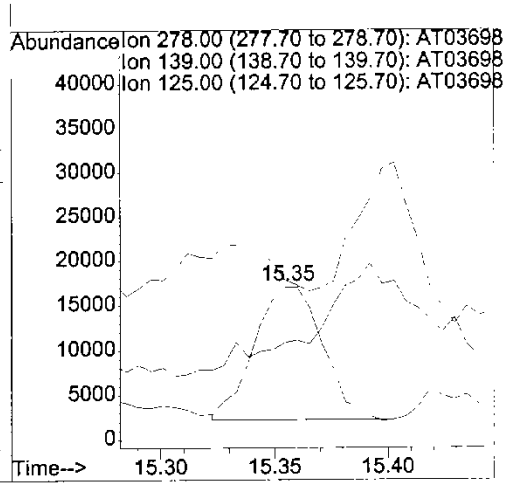


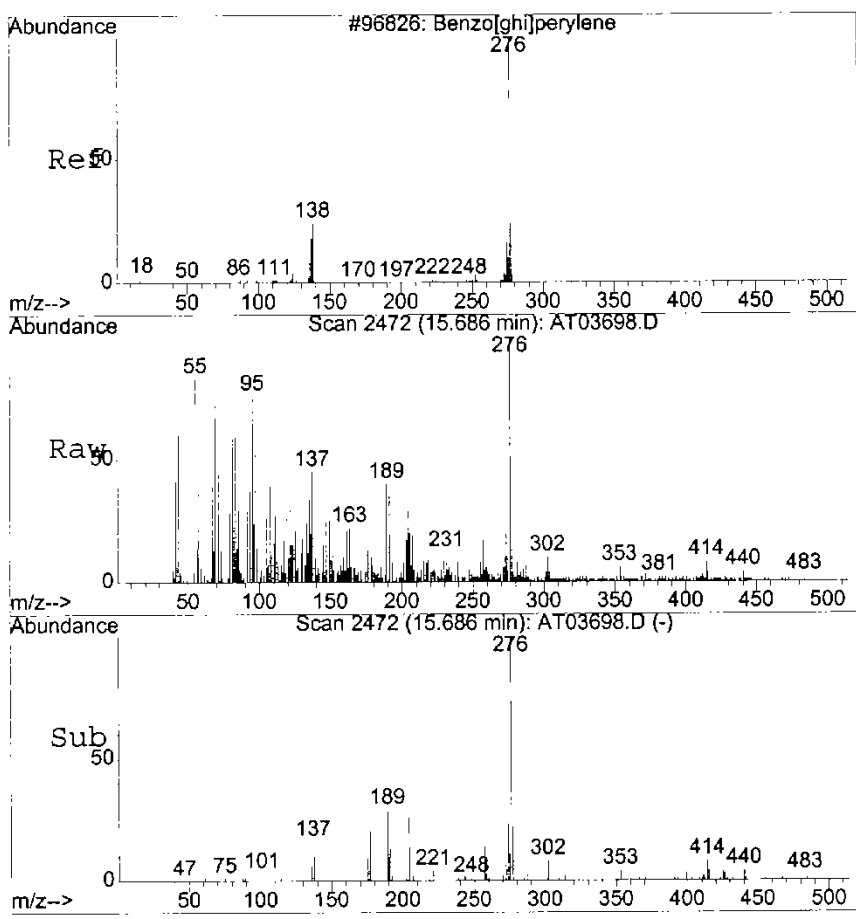


#93
Dibenz(a,h)anthracene
Concen: 54.48 ug/L
RT: 15.36 min Scan# 2410
Delta R.T. 0.01 min
Lab File: AT03698.D
Acq: 1 Mar 2005 12:37 pm

Tgt Ion:278 Resp: 30726

Ion	Ratio	Lower	Upper
278	100		
139	0.0	0.0	46.7
125	0.0	0.0	35.8

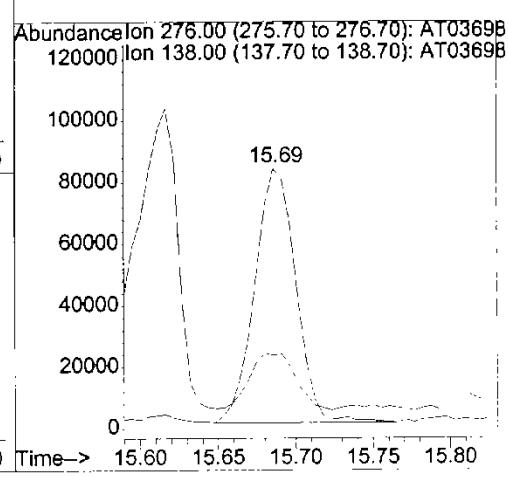




#94
Benzo(g,h,i)perylene
Concen: 218.13 ug/L
RT: 15.69 min Scan# 2472
Delta R.T. 0.03 min
Lab File: AT03698.D
Acq: 1 Mar 2005 12:37 pm

Tgt Ion:276 Resp: 151726

Ion	Ratio	Lower	Upper
276	100		
138	20.9	0.0	54.3

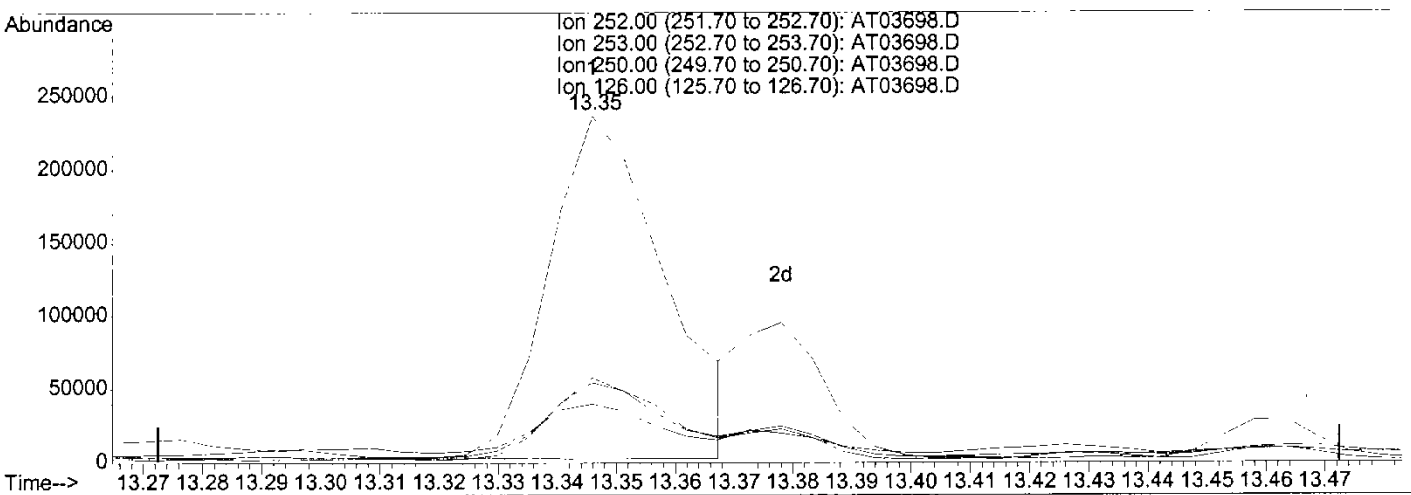


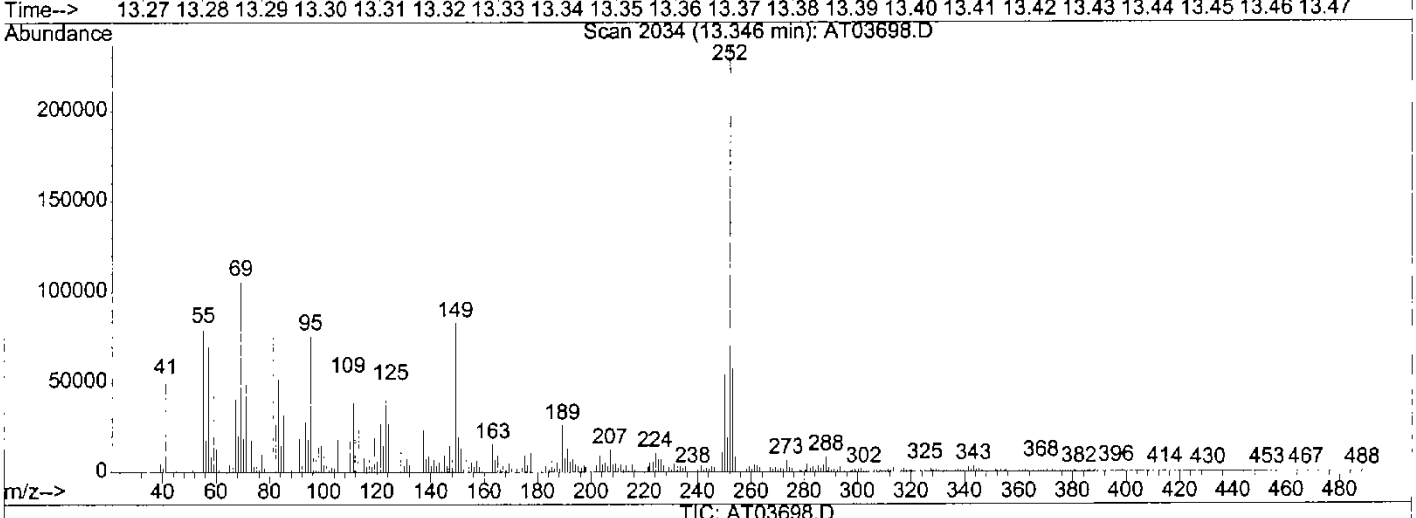
Quantitation Report (Qedit)

Data File : H:\DATA\030105_A\AT03698.D
Acq On : 1 Mar 2005 12:37 pm
Sample : 126377-4 &1
Misc :
MS Integration Params: Rteint.p
Quant Time: Mar 1 13:10 2005

Vial: 12
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: temp.res

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Feb 28 14:16:48 2005
Response via : Multiple Level Calibration





(89) benzo(k)fluoranthene (T)

13.35min 441.82ul/l

response 316822

Ion	Exp%	Act%
252.00	100	100
253.00	21.90	23.29
250.00	22.20	22.13
126.00	17.40	14.21

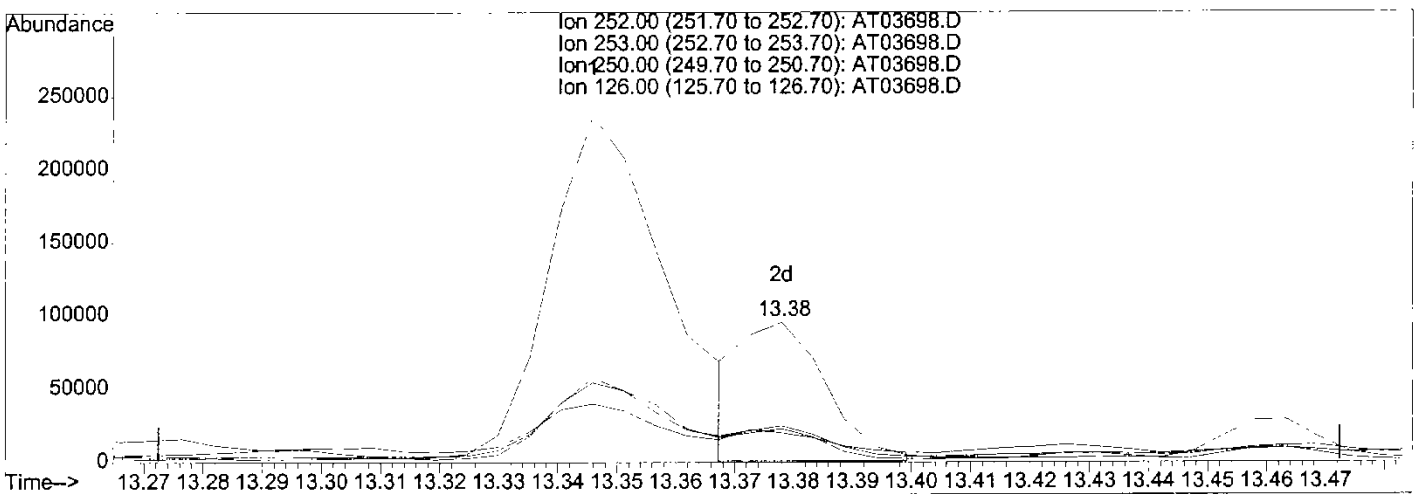
3/2/05

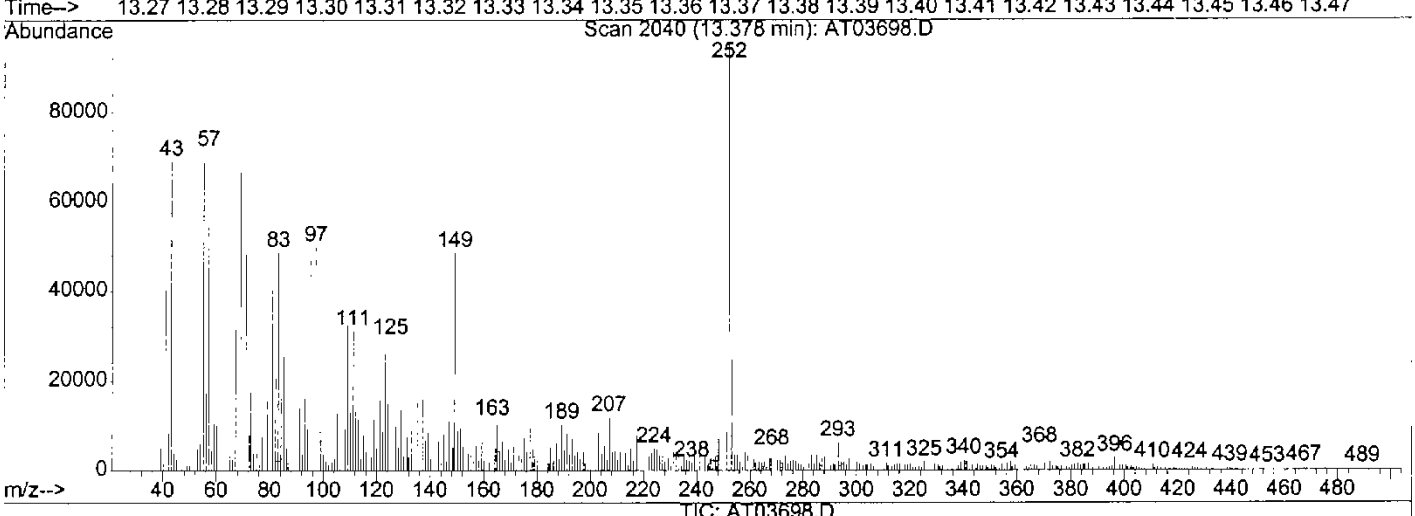
Quantitation Report (Qedit)

Data File : H:\DATA\030105_A\AT03698.D
Acq On : 1 Mar 2005 12:37 pm
Sample : 126377-4 &1
Misc :
MS Integration Params: Rteint.p
Quant Time: Mar 2 6:30 2005

Vial: 12
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: temp.res

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Feb 28 14:16:48 2005
Response via : Multiple Level Calibration





(89) benzo(k)fluoranthene (T)

13.38min 130.13ul/l m

response 93317

Ion	Exp%	Act%
252.00	100	100
253.00	21.90	25.85
250.00	22.20	24.01
126.00	17.40	20.99

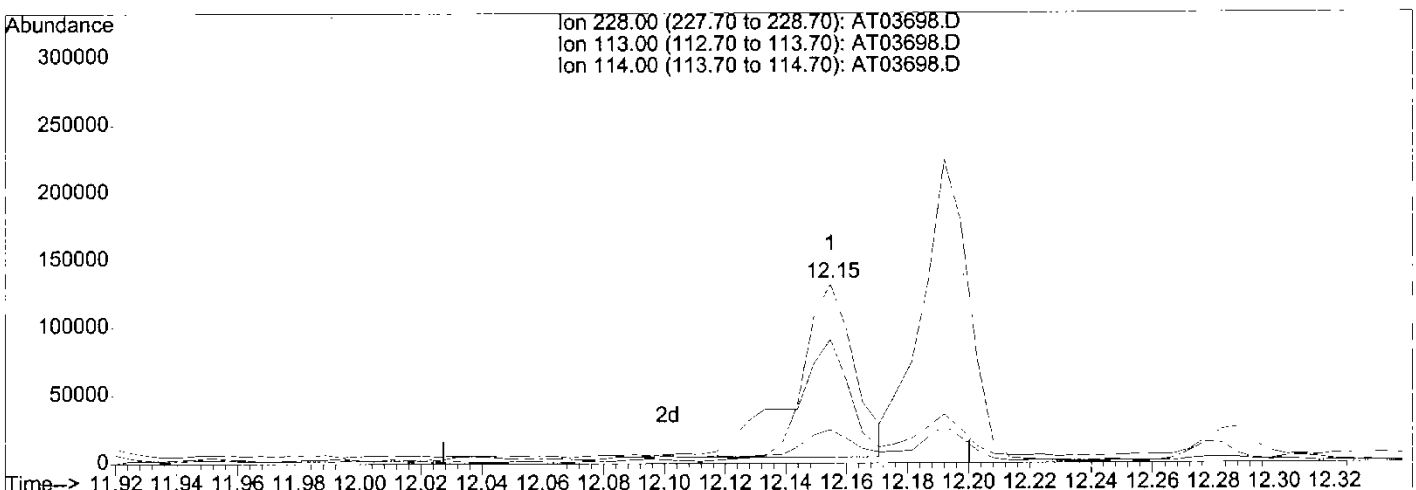
AK 3/2/05

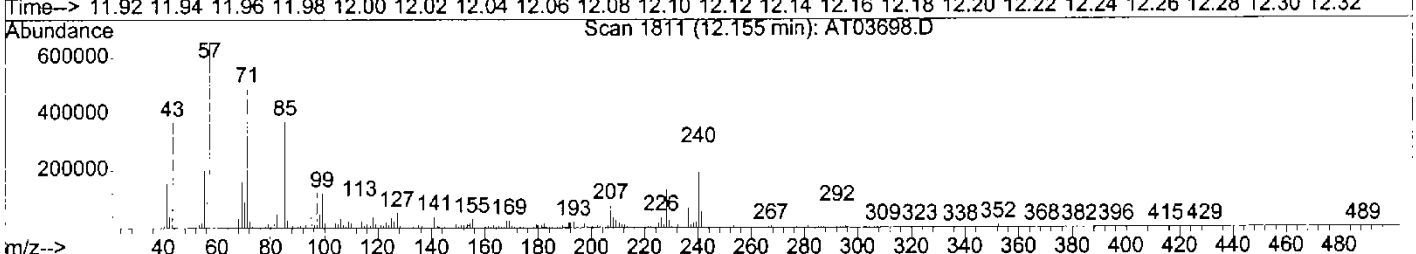
Quantitation Report (Qedit)

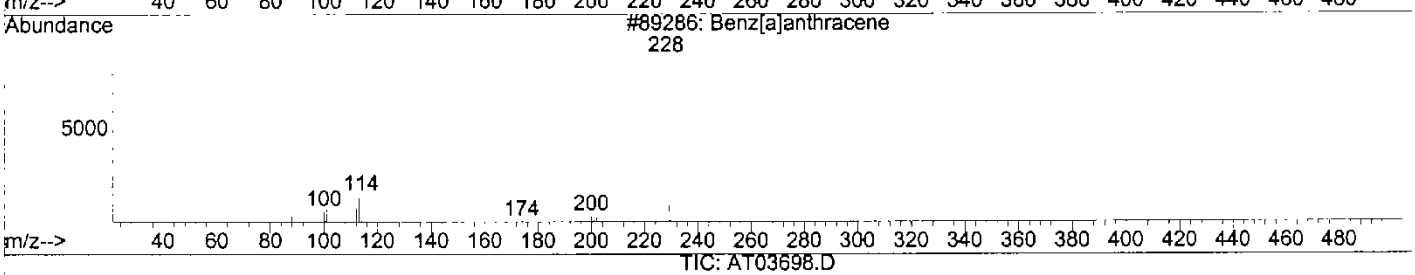
Data File : H:\DATA\030105_A\AT03698.D
Acq On : 1 Mar 2005 12:37 pm
Sample : 126377-4 &1
Misc :
MS Integration Params: Rteint.p
Quant Time: Mar 2 6:30 2005

Vial: 12
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: temp.res

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Feb 28 14:16:48 2005
Response via : Multiple Level Calibration







(82) Benzo(a)anthracene (T)

12.15min 198.09ug/L

response 141243

Ion	Exp%	Act%
228.00	100	100
113.00	11.10	70.41#
114.00	12.70	16.97
0.00	0.00	0.00

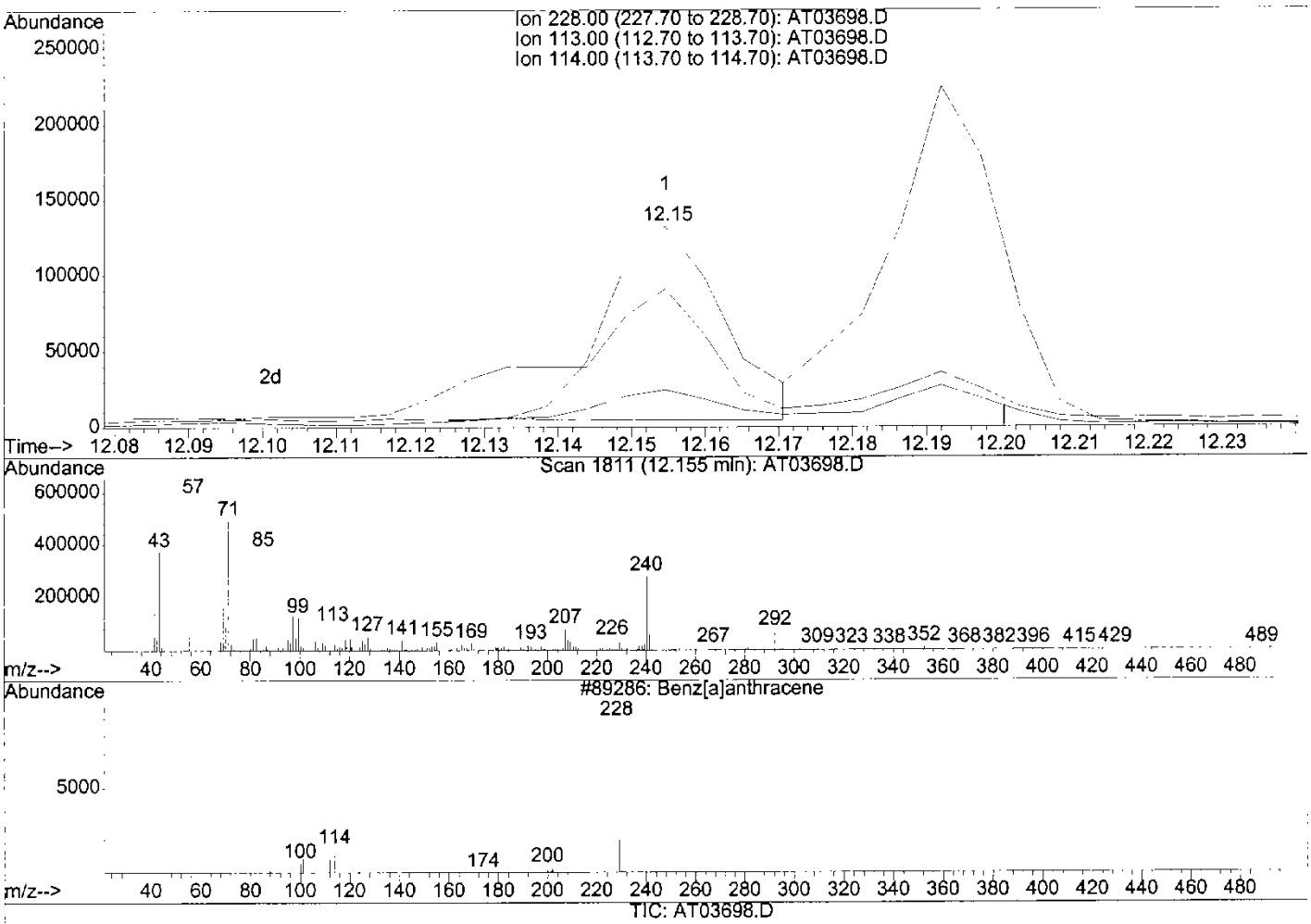
3/2/05

Quantitation Report (Qedit)

Data File : H:\DATA\030105_A\AT03698.D
Acq On : 1 Mar 2005 12:37 pm
Sample : 126377-4 &1
Misc :
MS Integration Params: Rteint.p
Quant Time: Mar 2 8:02 2005

Vial: 12
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: temp.res

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Feb 28 14:16:48 2005
Response via : Multiple Level Calibration



(82) Benzo(a)anthracene (T)

12.15min 195.30ug/L m

response 139255

Ion	Exp%	Act%
228.00	100	100
113.00	11.10	68.65#
114.00	12.70	18.53
0.00	0.00	0.00

3/2/05

Quantitation Report (QT Reviewed)

Data File : H:\DATA\030105_A\AT03705.D
Acq On : 1 Mar 2005 4:11 pm
Sample : 126377-4 &1 1:5 ss1348
Misc :
MS Integration Params: Rteint.p
Quant Time: Mar 02 06:26:02 2005

Vial: 19
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: 8270_022505.RES

Quant Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Feb 28 14:16:48 2005
Response via : Initial Calibration
DataAcq Meth : 8270

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4 (I)	5.43	152	252476	1000.000 ug/L	0.00
23) Naphthalene - d8 (I)	6.55	136	958168	1000.000 ug/L	0.00
39) Acenaphthene - d10 (I)	8.01	162	506085	1000.000 ug/L	0.00
63) Phenanthrene - d10 (I)	9.31	188	889707	1000.000 ug/L	0.00
80) Chrysene - d12 (I)	12.17	240	927011	1000.000 ul/l	0.00
86) Perylene - d12 (I)	13.79	264	908055	1000.000 ug/L	0.01
System Monitoring Compounds					
4) 2 - Fluorophenol (S)	4.14	112	23646	111.86 ug/L	0.00
8) Phenol - d5 (S)	5.13	99	32052	134.71 ug/L	0.00
24) Nitrobenzene - d5 (S)	5.94	82	13679	69.63 ug/L	0.00
44) 2 - Fluorobiphenyl (S)	7.46	172	34008	62.28 ug/L	0.00
66) 2,4,6 - Tribromophenol (S)	8.68	330	14262	187.63 ug/L	0.00
79) p - Terphenyl - d14 (S)	11.00	244	89037	165.29 ug/L	0.00
Target Compounds					Qvalue
6) Benzaldehyde	5.04	105	6135	32.094 ul/L	89
9) Phenol	5.15	94	4347	17.135 ug/L	71
19) 3-&4-Methylphenol	5.79	108	142	26.792 ug/L	94
21) Acetophenone	5.73	105	1186	9.306 ul/L	90
30) Benzoic Acid	6.36	105	14044	475.603 ug/L	79
48) Dimethylphthalate	7.80	163	2539	5.342 ug/L	85
50) 2,6-Dinitrotoluene	7.79	165	275	28.097 ug/L	69
51) 3-Nitroaniline	7.99	138	197	Below Cal #	15
53) 2,4-Dinitrophenol	8.05	184	49	344.171 ug/L	51
55) Dibenzofuran	8.18	168	3694	6.004 ug/L	96
59) Diethylphthalate	8.39	149	16784	33.392 ug/L	99
62) 4-Nitroaniline	8.46	138	952	14.065 ug/L	70
71) Phenanthrene	9.33	178	21224	29.260 ug/L	99
72) Anthracene	9.38	178	6019	9.149 ug/L	90
73) Octadecane	9.24	57	3989	18.950 ul/L	91
74) Carbazole	9.55	167	3293	7.394 ug/L	68
75) Di-n-butylphthalate	9.93	149	705022	904.199 ug/L	99
76) Fluoranthene	10.55	202	70171	94.783 ug/L	98
77) Pyrene	10.79	202	64554	84.067 ug/L	95
78) Benzidine	10.52	184	1312	12.461 ul/l	39
81) Butylbenzylphthalate	11.59	149	14461	112.782 ug/L	92
82) Benzo(a)anthracene	12.16	228	30362m	45.086 ug/L	
84) Chrysene	12.20	228	48570	69.196 ug/L	98
85) bis(2-Ethylhexyl)phthalate	12.29	149	45593	104.827 ug/L	97
87) Di-n-octylphthalate	12.96	149	4941	7.022 ug/L	74
88) Benzo(b)fluoranthene	13.35	252	63206m	91.970 ul/l	

(#) = qualifier out of range (m) = manual integration

Data File : H:\DATA\030105_A\AT03705.D
Acq On : 1 Mar 2005 4:11 pm
Sample : 126377-4 &1 1:5 ss1348
Misc :
MS Integration Params: Rteint.p
Quant Time: Mar 02 06:26:02 2005

Vial: 19
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: 8270_022505.RES

Quant Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Feb 28 14:16:48 2005
Response via : Initial Calibration
DataAcq Meth : 8270

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
89) benzo(k)fluoranthene	13.38	252	19360m	27.778	ul/l	
90) Benzofluoranthenes	13.37	252	89622	126.945	ug/L	95
91) Benzo(a)pyrene	13.72	252	34147	56.413	ug/L	95
92) Indeno(1,2,3-cd)pyrene	15.32	276	31926	66.749	ug/L	87
93) Dibenz(a,h)anthracene	15.36	278	6668	21.983	ug/L	62
94) Benzo(g,h,i)perylene	15.68	276	32869	48.619	ug/L	89

(#) = qualifier out of range (m) = manual integration

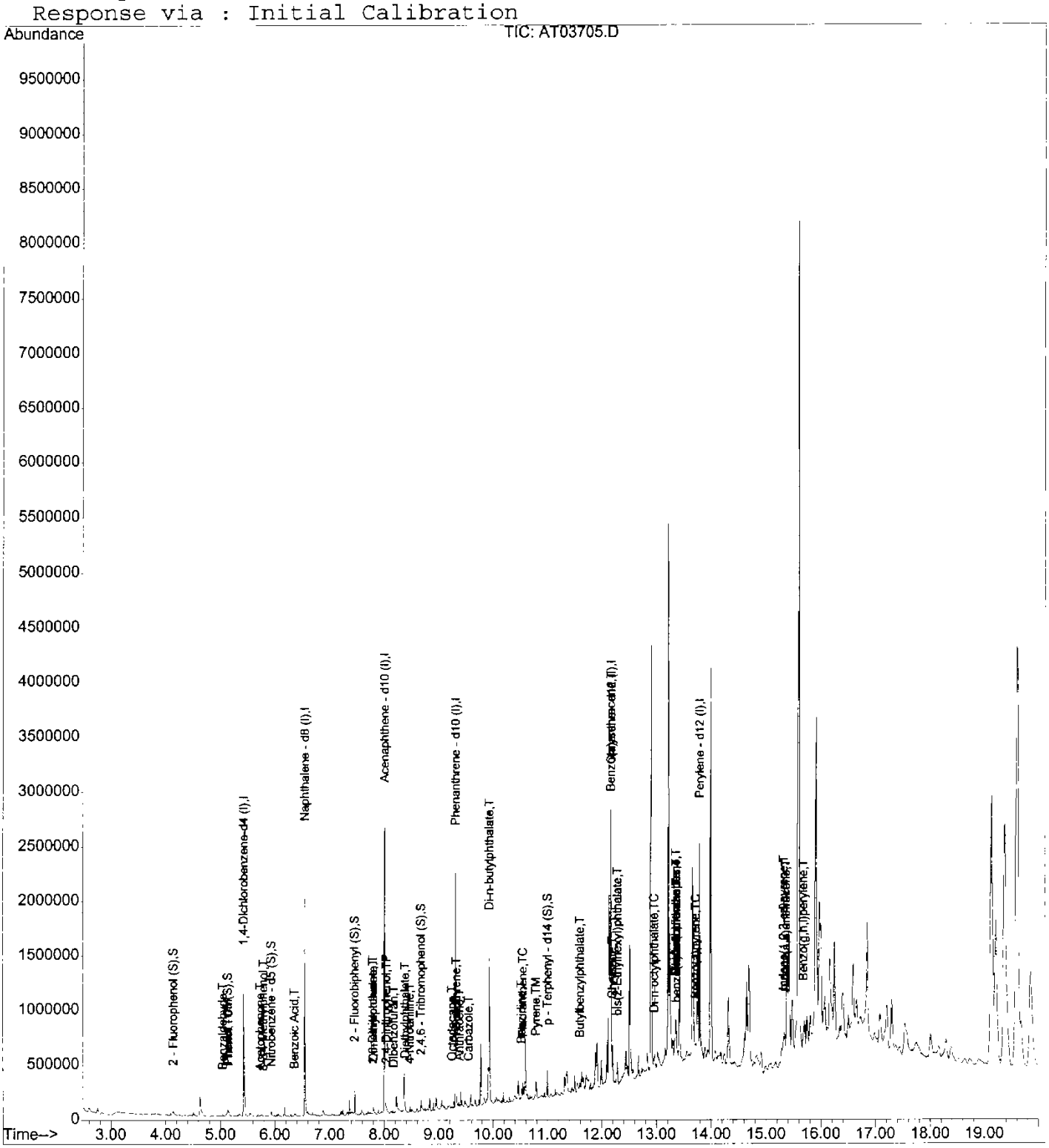
00491

Quantitation Report (QT Reviewed)

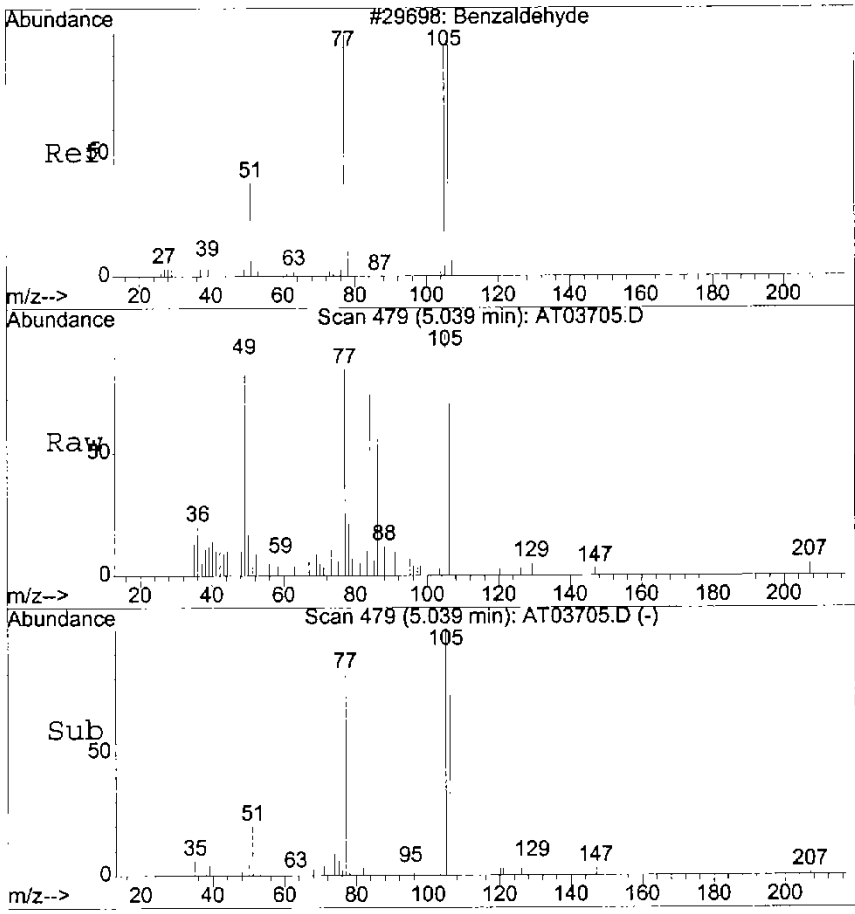
Data File : H:\DATA\030105_A\AT03705.D
Acq On : 1 Mar 2005 4:11 pm
Sample : 126377-4 &1 1:5 ss1348
Misc :
MS Integration Params: Rteint.p
Quant Time: Mar 2 8:12 2005

Vial: 19
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: 8270_022505.

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Feb 28 14:16:48 2005
Response via : Initial Calibration



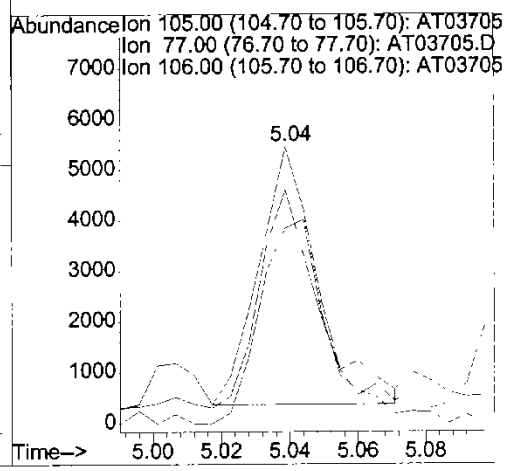
00492

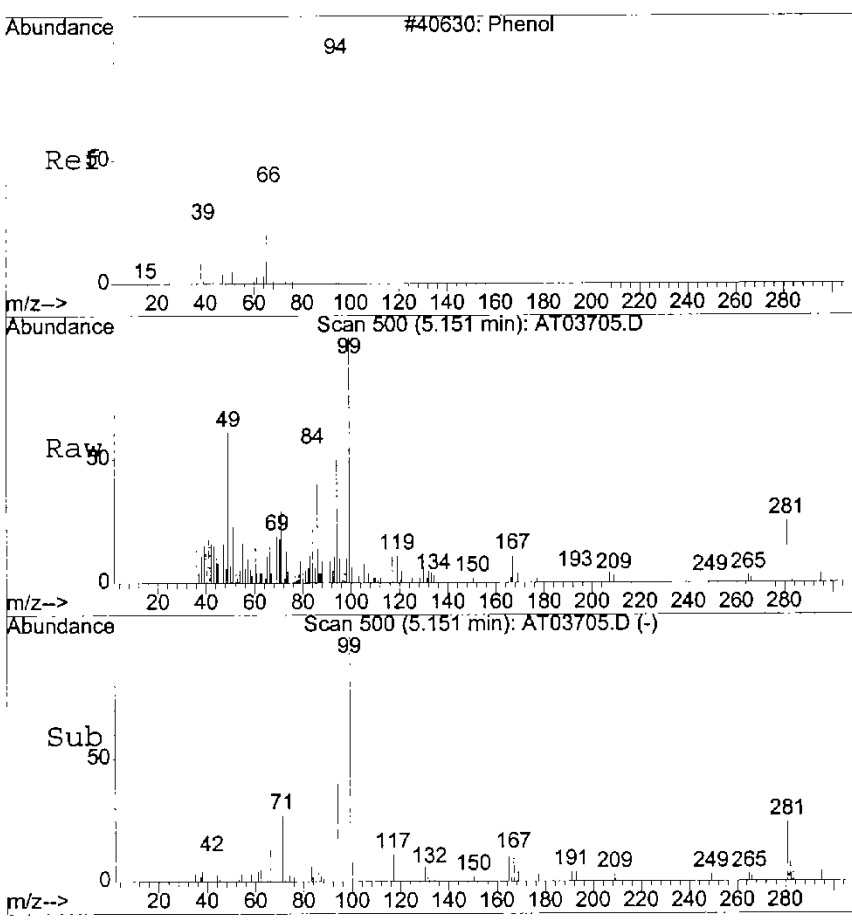


#6
Benzaldehyde
Concen: 32.09 ul/L
RT: 5.04 min Scan# 479
Delta R.T. -0.02 min
Lab File: AT03705.D
Acq: 1 Mar 2005 4:11 pm

Tgt Ion:105 Resp: 6135

Ion	Ratio	Lower	Upper
105	100		
77	84.2	63.9	123.9
106	90.9	72.0	132.0

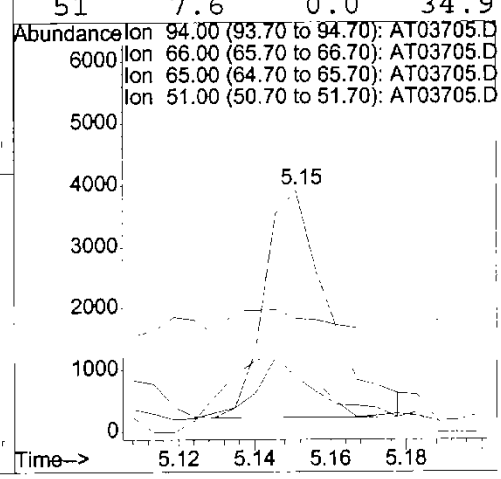




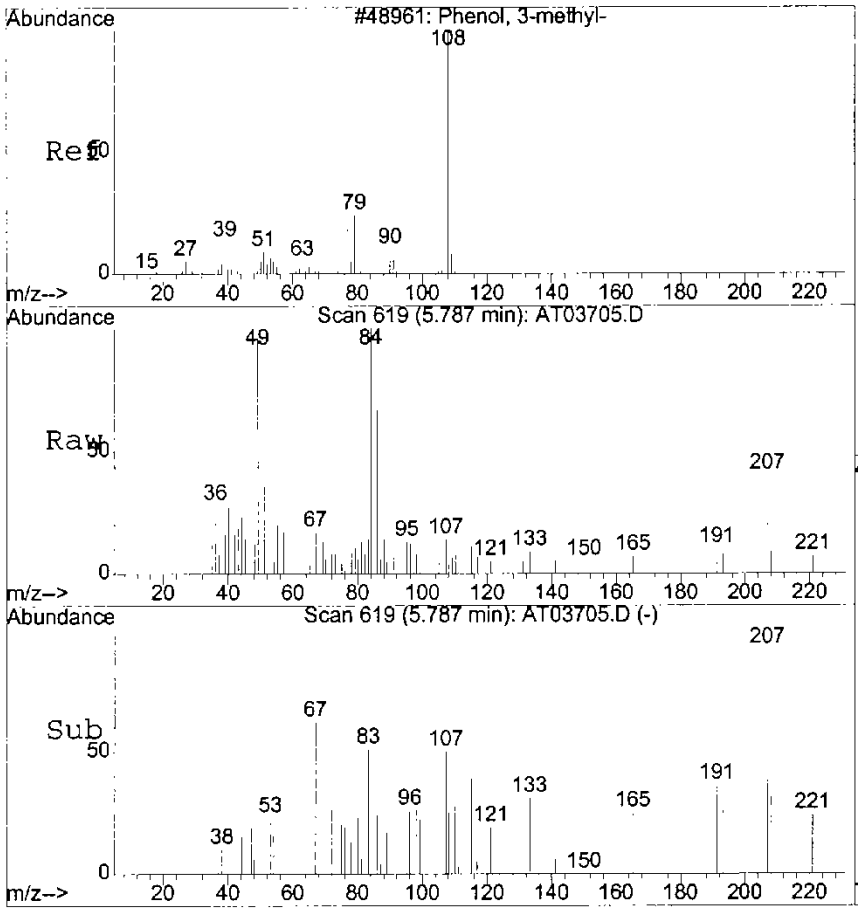
#9
Phenol
Concen: 17.13 ug/L
RT: 5.15 min Scan# 500
Delta R.T. 0.00 min
Lab File: AT03705.D
Acq: 1 Mar 2005 4:11 pm

Tgt Ion: 94 Resp: 4347

Ion	Ratio	Lower	Upper
94	100		
66	22.1	14.1	74.1
65	17.3	1.3	61.3
51	7.6	0.0	34.9



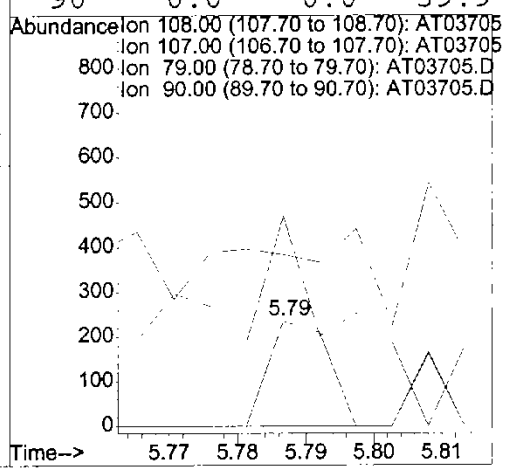
00493

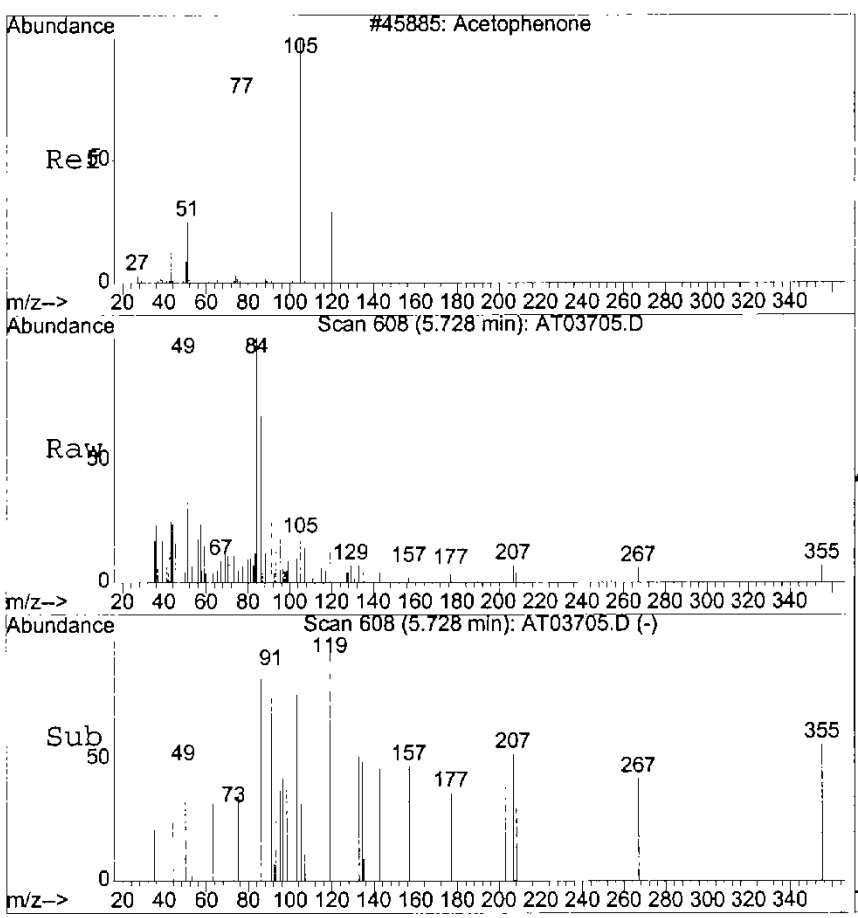


#19
3-&4-Methylphenol
Concen: 26.79 ug/L
RT: 5.79 min Scan# 619
Delta R.T. -0.02 min
Lab File: AT03705.D
Acq: 1 Mar 2005 4:11 pm

Tgt Ion:108 Resp: 142

Ion	Ratio	Lower	Upper
108	100		
107	103.0	75.6	135.6
79	32.6	0.0	55.6
90	0.0	0.0	39.9

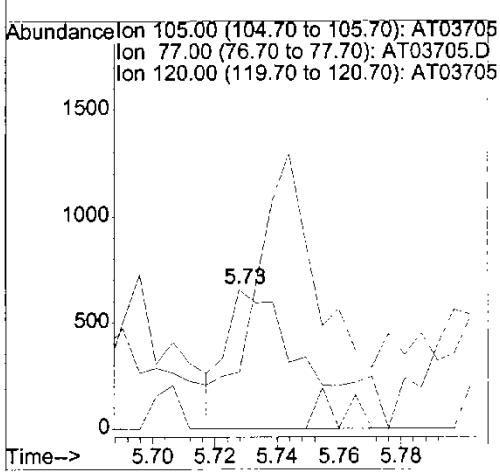




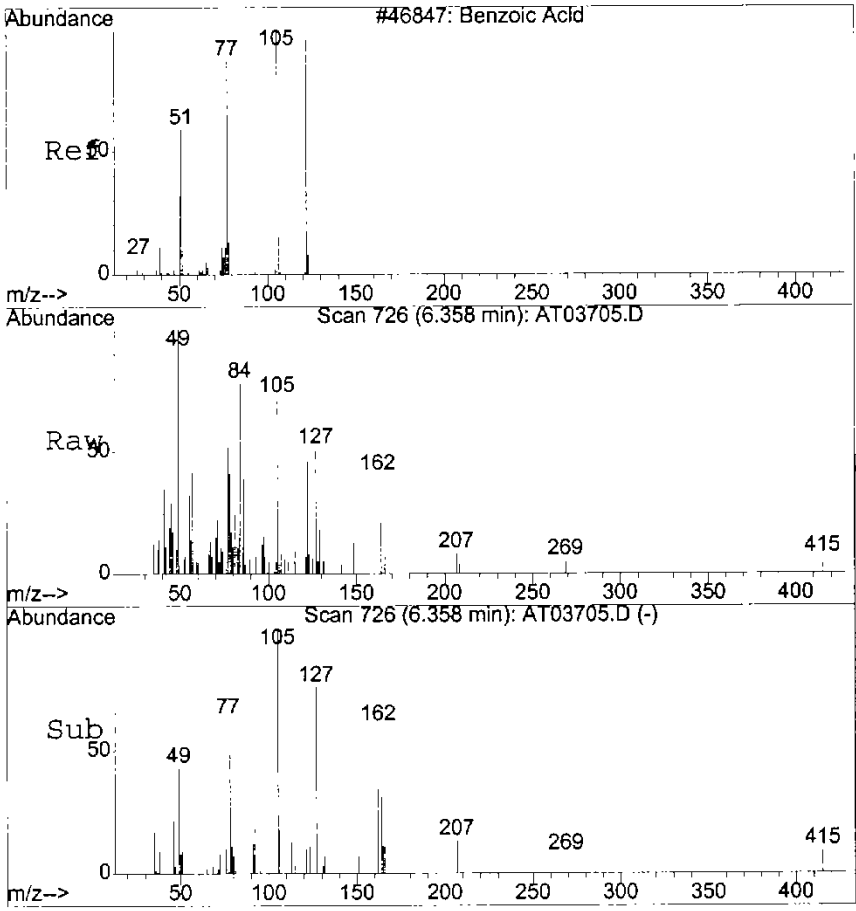
#21
Acetophenone
Concen: 9.31 ul/L
RT: 5.73 min Scan# 608
Delta R.T. -0.06 min
Lab File: AT03705.D
Acq: 1 Mar 2005 4:11 pm

Tgt Ion:105 Resp: 1186

Ion	Ratio	Lower	Upper
105	100		
77	110.7	78.1	138.1
120	9.4	0.5	60.5



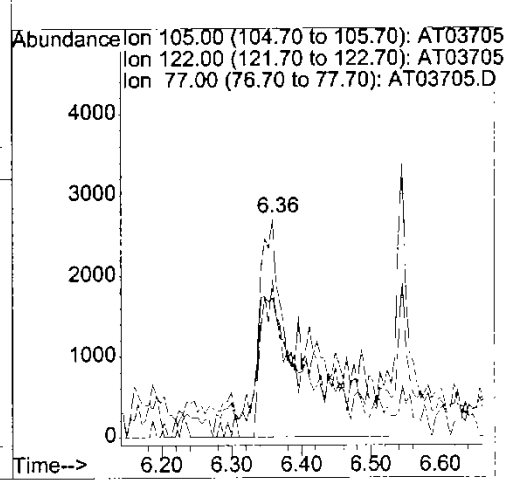
000494

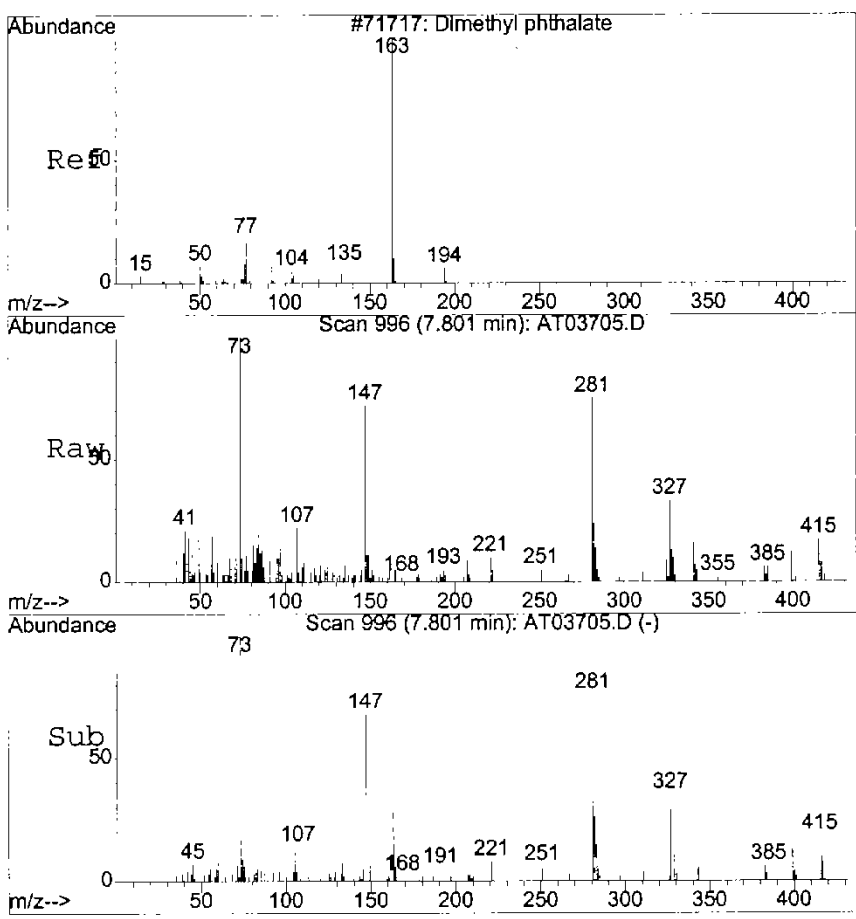


#30
Benzoic Acid
Concen: 475.60 ug/L
RT: 6.36 min Scan# 726
Delta R.T. -0.03 min
Lab File: AT03705.D
Acq: 1 Mar 2005 4:11 pm

Tgt Ion:105 Resp: 14044

Ion	Ratio	Lower	Upper
105	100		
122	65.3	58.0	118.0
77	52.0	34.2	94.2

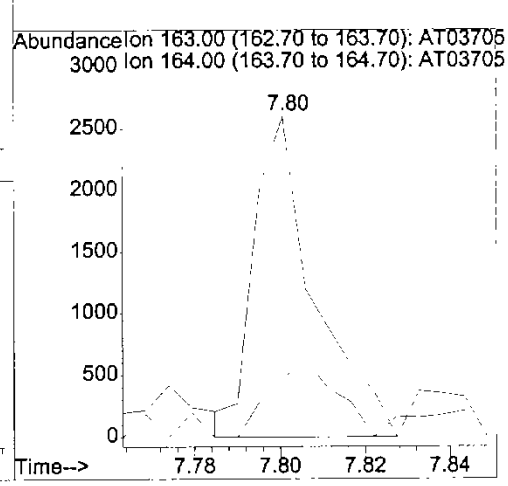




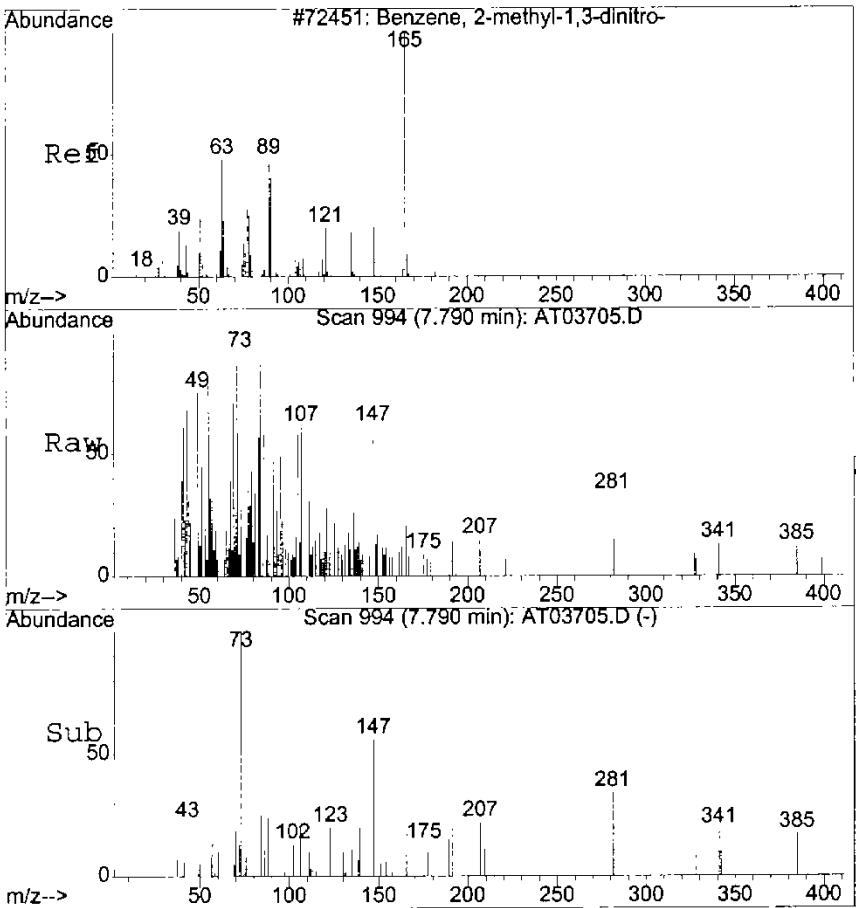
#48
Dimethylphthalate
Concen: 5.34 ug/L
RT: 7.80 min Scan# 996
Delta R.T. 0.01 min
Lab File: AT03705.D
Acq: 1 Mar 2005 4:11 pm

Tgt Ion:163 Resp: 2539

Ion	Ratio	Lower	Upper
163	100		
164	15.7	0.0	40.0



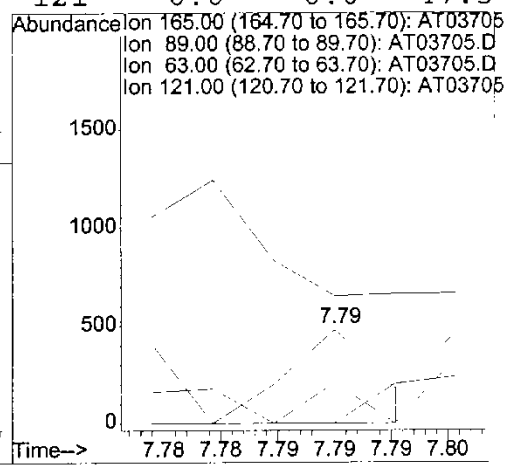
00495

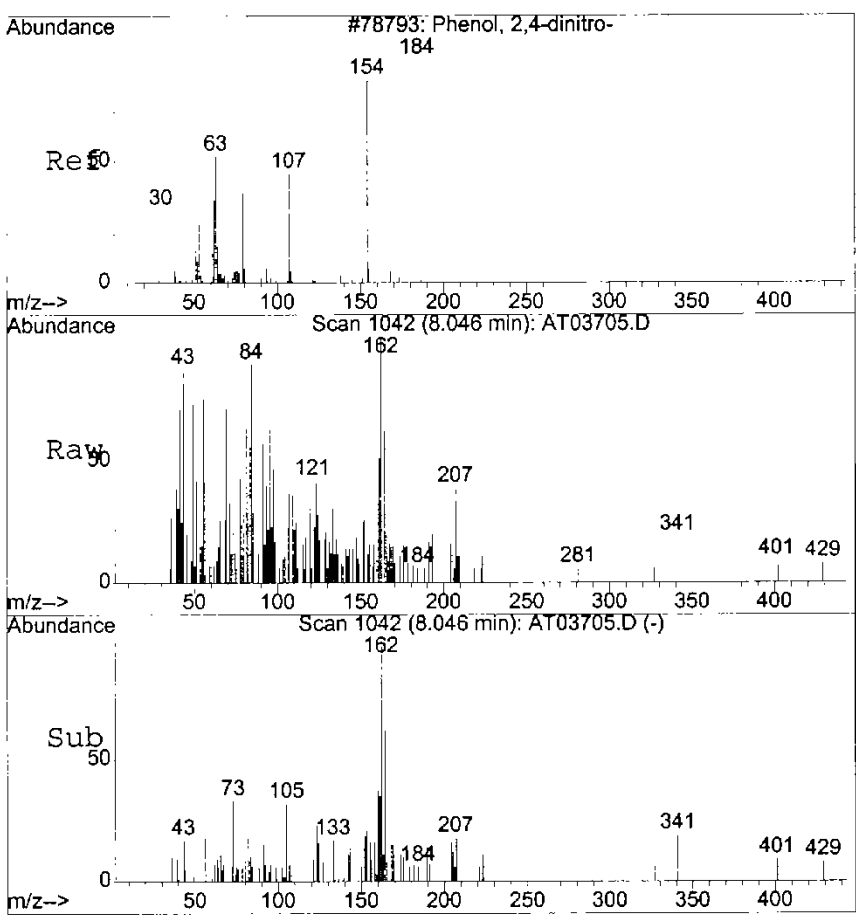


#50
2,6-Dinitrotoluene
Concen: 28.10 ug/L
RT: 7.79 min Scan# 994
Delta R.T. -0.05 min
Lab File: AT03705.D
Acq: 1 Mar 2005 4:11 pm

Tgt Ion:165 Resp: 275

Ion	Ratio	Lower	Upper
165	100		
89	53.1	8.4	68.4
63	0.0	0.0	45.4
121	0.0	0.0	47.5

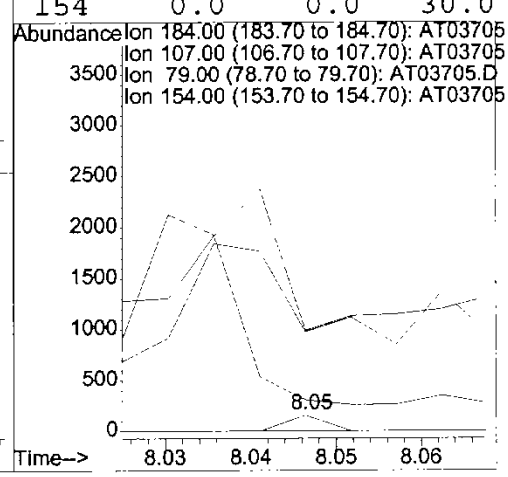




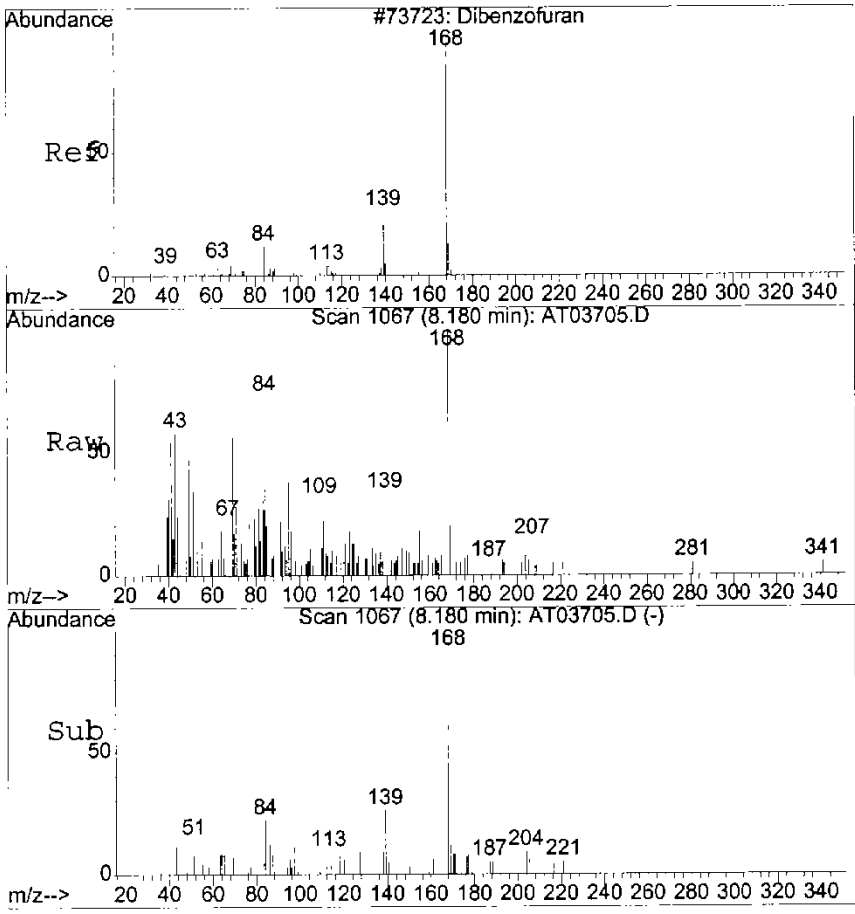
#53
2,4-Dinitrophenol
Concen: 344.17 ug/L
RT: 8.05 min Scan# 1042
Delta R.T. -0.01 min
Lab File: AT03705.D
Acq: 1 Mar 2005 4:11 pm

Tgt Ion:184 Resp: 49

Ion	Ratio	Lower	Upper
184	100		
107	0.0	0.0	58.6
79	0.0	0.0	48.2
154	0.0	0.0	30.0



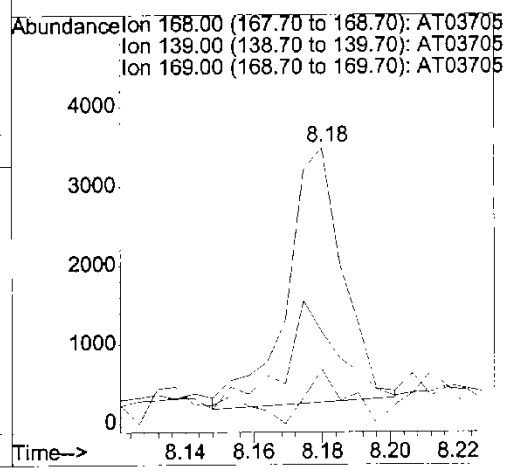
00496

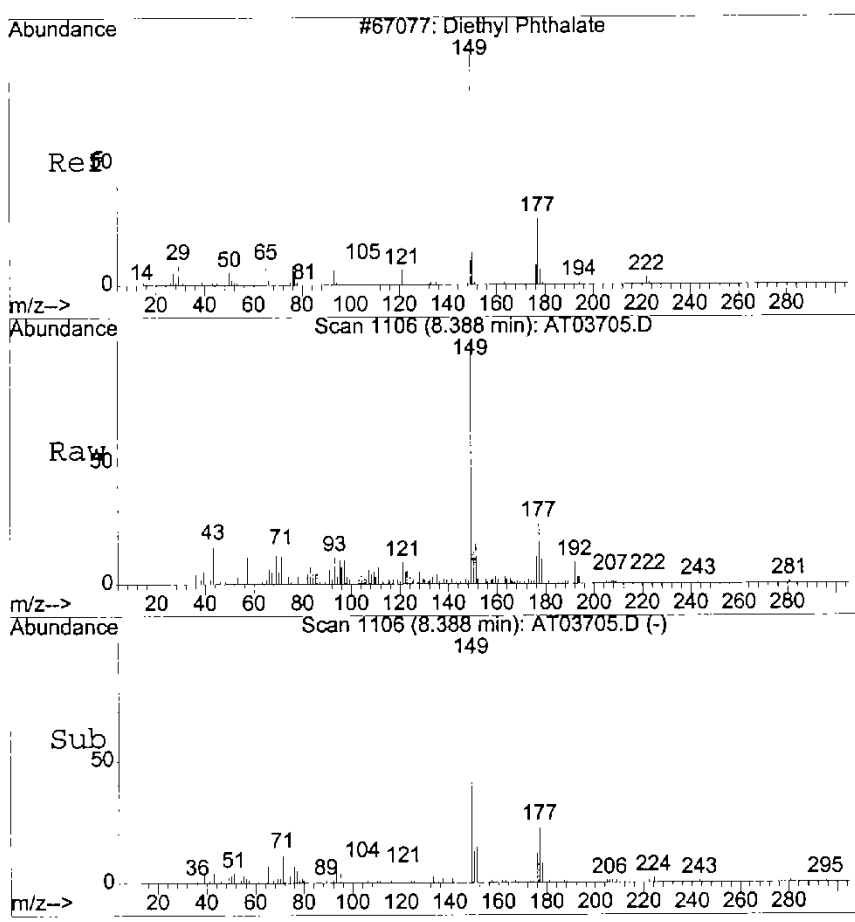


#55
Dibenzofuran
Concen: 6.00 ug/L
RT: 8.18 min Scan# 1067
Delta R.T. 0.01 min
Lab File: AT03705.D
Acq: 1 Mar 2005 4:11 pm

Tgt Ion:168 Resp: 3694

Ion	Ratio	Lower	Upper
168	100		
139	28.6	0.6	60.6
169	14.4	0.0	42.8

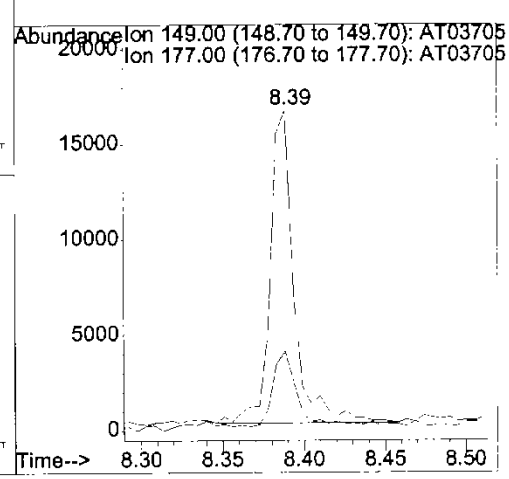


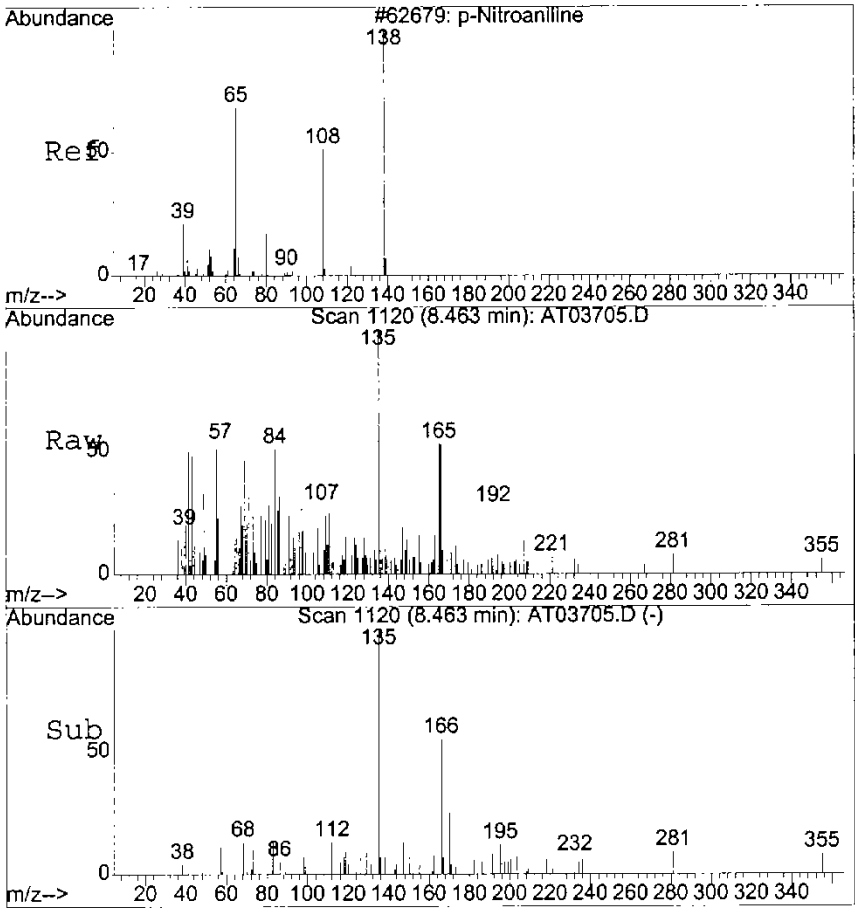


#59
Diethylphthalate
Concen: 33.39 ug/L
RT: 8.39 min Scan# 1106
Delta R.T. 0.01 min
Lab File: AT03705.D
Acq: 1 Mar 2005 4:11 pm

Tgt Ion:149 Resp: 16784

Ion	Ratio	Lower	Upper
149	100		
177	23.5	0.0	53.1

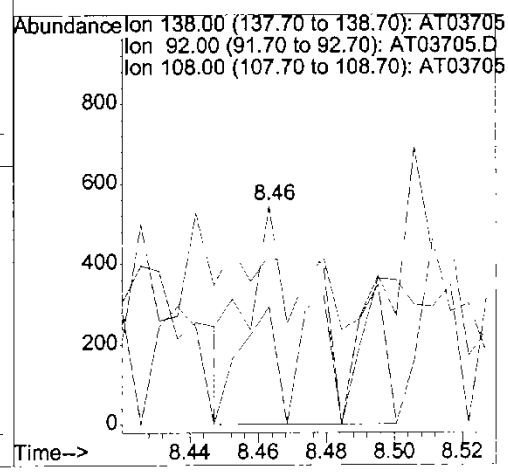


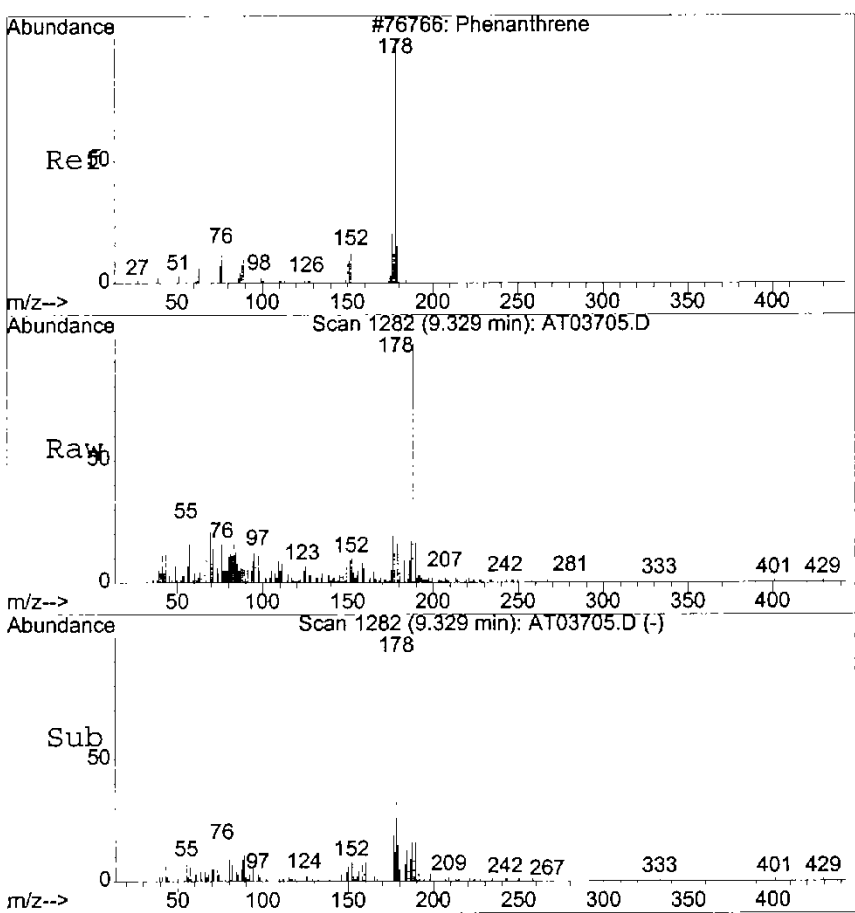


#62
4-Nitroaniline
Concen: 14.06 ug/L
RT: 8.46 min Scan# 1120
Delta R.T. -0.03 min
Lab File: AT03705.D
Acq: 1 Mar 2005 4:11 pm

Tgt Ion:138 Resp: 952

Ion	Ratio	Lower	Upper
138	100		
92	26.9	11.1	71.1
108	26.5	21.9	81.9

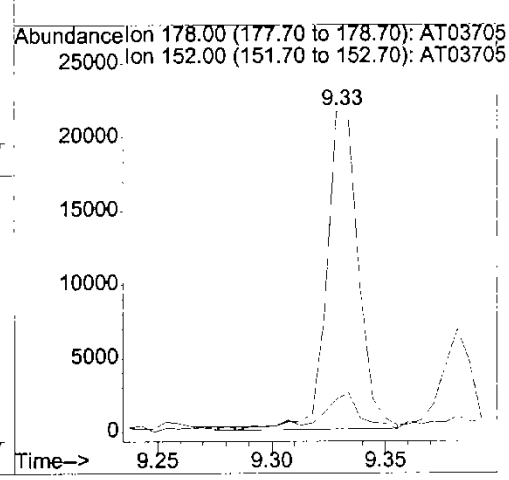


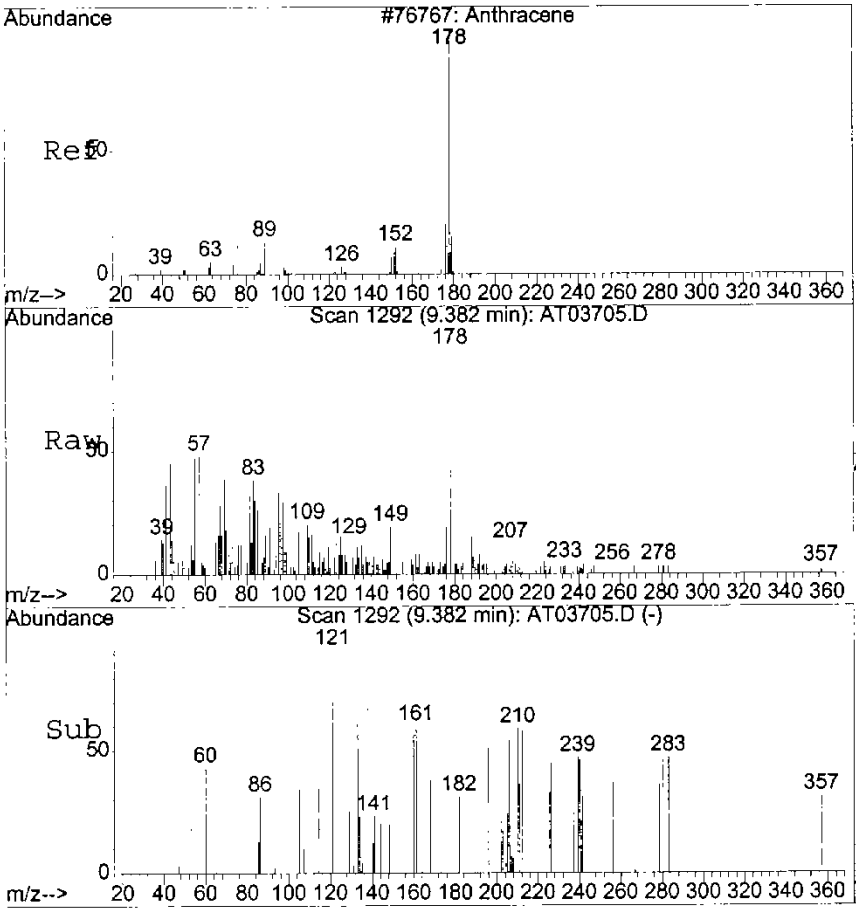


#71
Phenanthrene
Concen: 29.26 ug/L
RT: 9.33 min Scan# 1282
Delta R.T. 0.00 min
Lab File: AT03705.D
Acq: 1 Mar 2005 4:11 pm

Tgt Ion:178 Resp: 21224

Ion	Ratio	Lower	Upper
178	100		
152	9.1	0.0	38.6

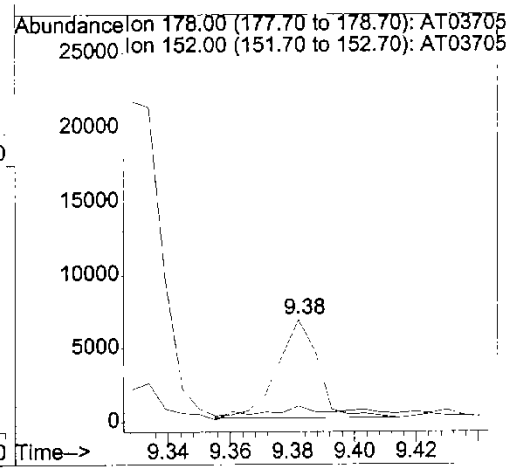


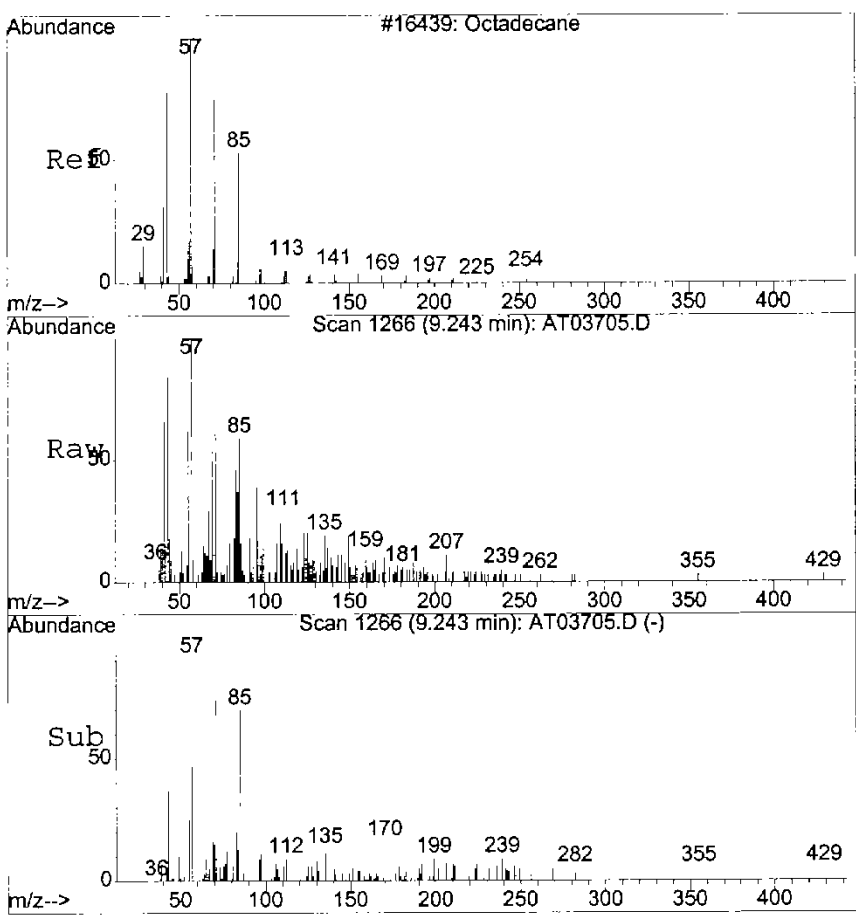


#72
Anthracene
Concen: 9.15 ug/L
RT: 9.38 min Scan# 1292
Delta R.T. 0.01 min
Lab File: AT03705.D
Acq: 1 Mar 2005 4:11 pm

Tgt Ion:178 Resp: 6019

Ion	Ratio	Lower	Upper
178	100		
152	10.4	0.0	37.1

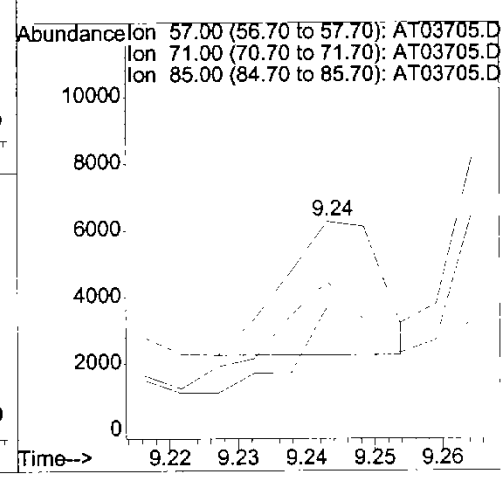


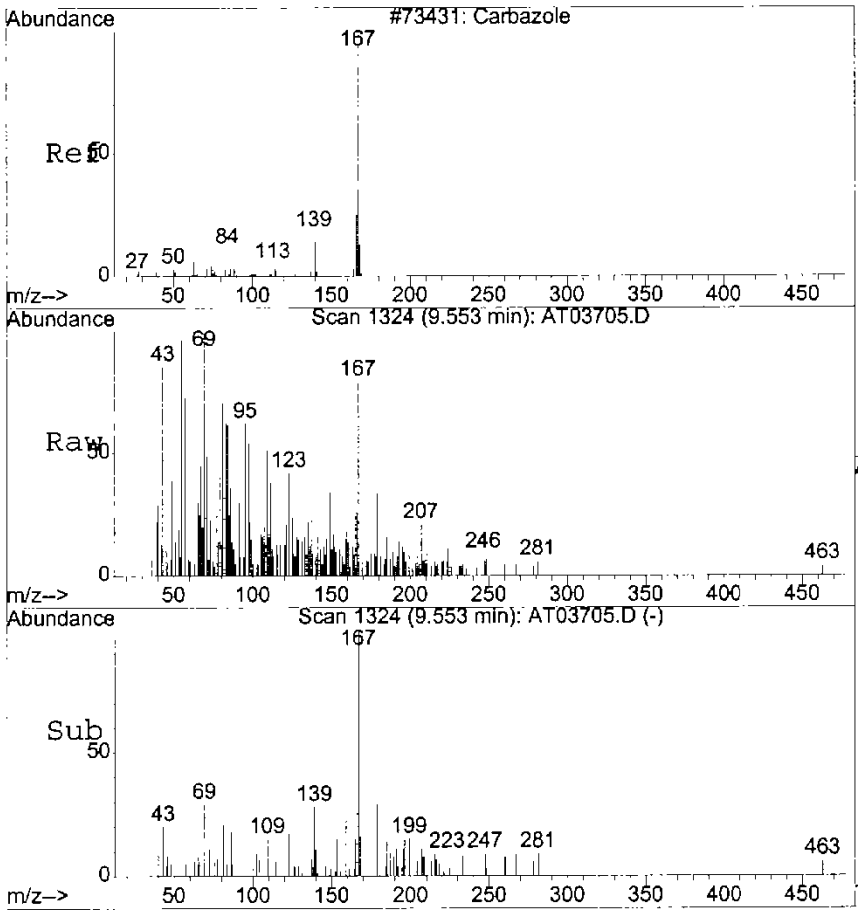


#73
Octadecane
Concen: 18.95 ul/L
RT: 9.24 min Scan# 1266
Delta R.T. 0.00 min
Lab File: AT03705.D
Acq: 1 Mar 2005 4:11 pm

Tgt Ion: 57 Resp: 3989

Ion	Ratio	Lower	Upper
57	100		
71	81.0	51.7	96.1
85	45.6	37.4	69.4

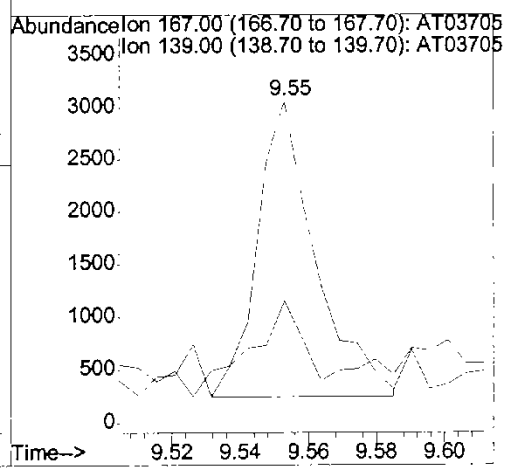


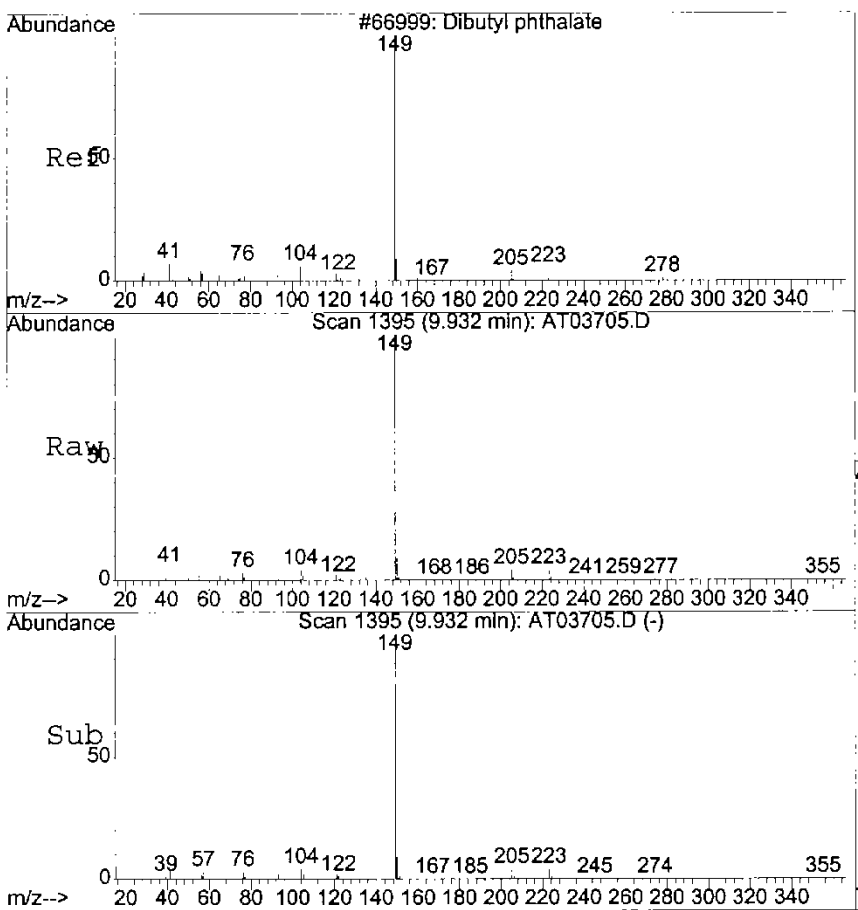


#74
Carbazole
Concen: 7.39 ug/L
RT: 9.55 min Scan# 1324
Delta R.T. 0.01 min
Lab File: AT03705.D
Acq: 1 Mar 2005 4:11 pm

Tgt Ion:167 Resp: 3293

Ion	Ratio	Lower	Upper
167	100		
139	24.4	0.0	42.1

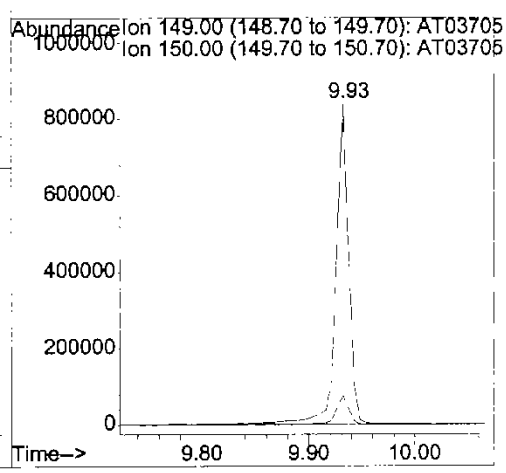


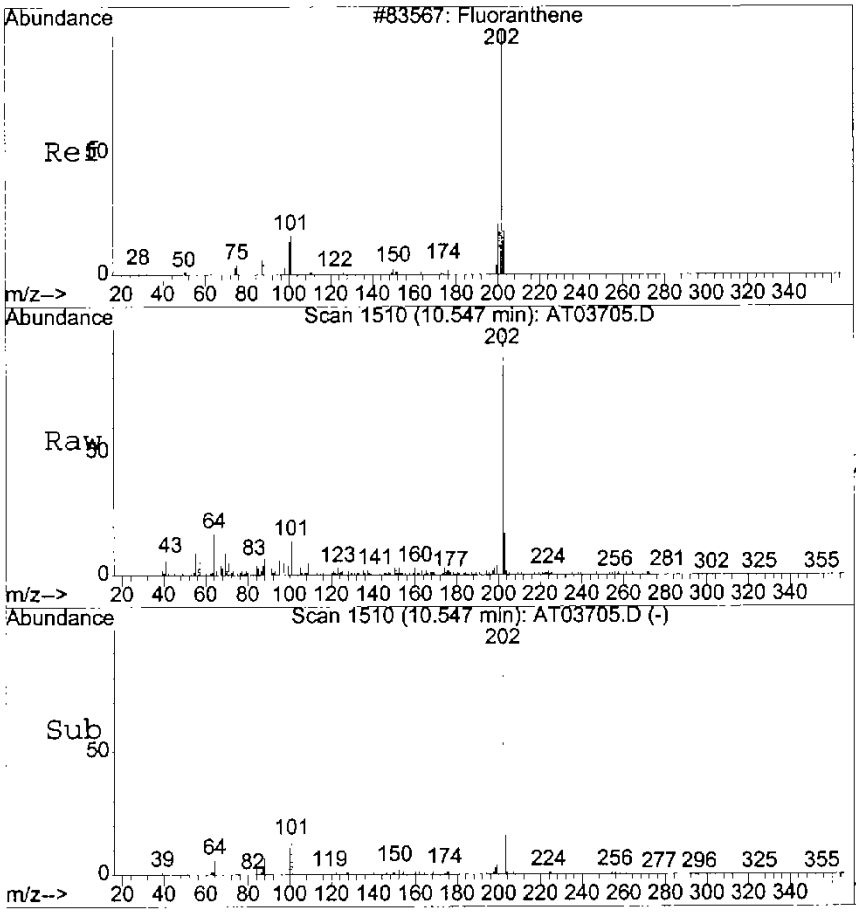


#75
Di-n-butylphthalate
Concen: 904.20 ug/L
RT: 9.93 min Scan# 1395
Delta R.T. 0.00 min
Lab File: AT03705.D
Acq: 1 Mar 2005 4:11 pm

Tgt Ion:149 Resp: 705022

Ion	Ratio	Lower	Upper
149	100		
150	9.0	0.0	38.8

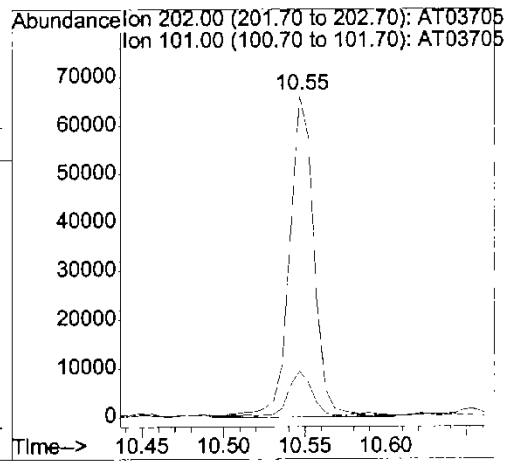


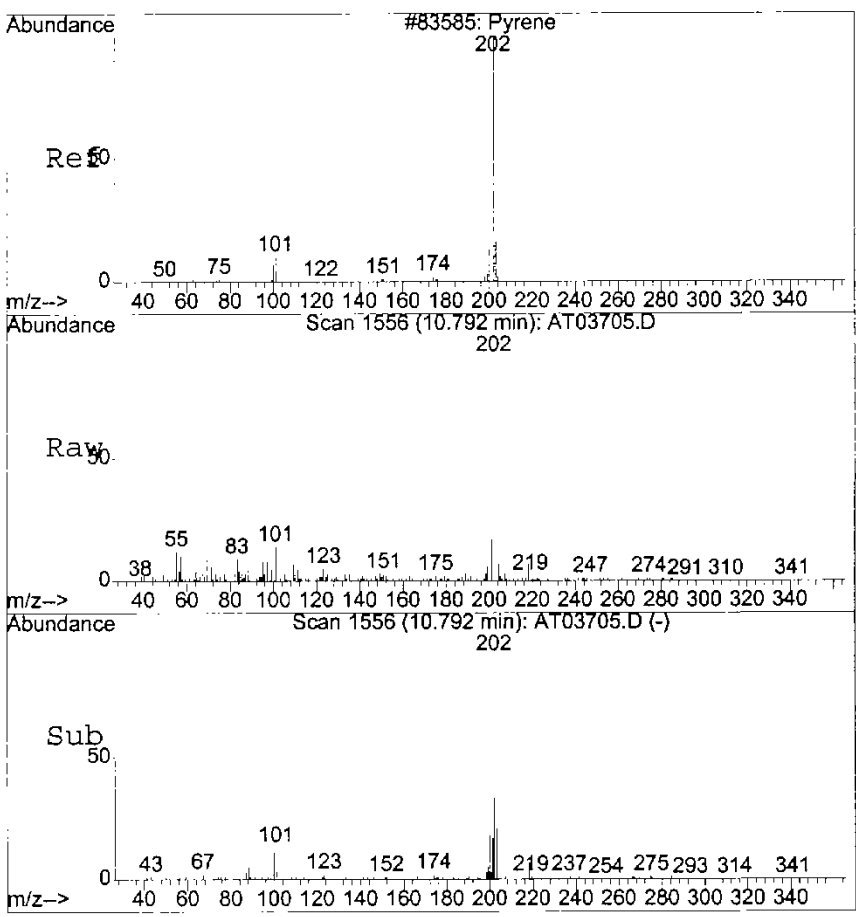


#76
Fluoranthene
Concen: 94.78 ug/L
RT: 10.55 min Scan# 1510
Delta R.T. 0.01 min
Lab File: AT03705.D
Acq: 1 Mar 2005 4:11 pm

Tgt Ion:202 Resp: 70171

Ion	Ratio	Lower	Upper
202	100		
101	13.8	0.0	43.1

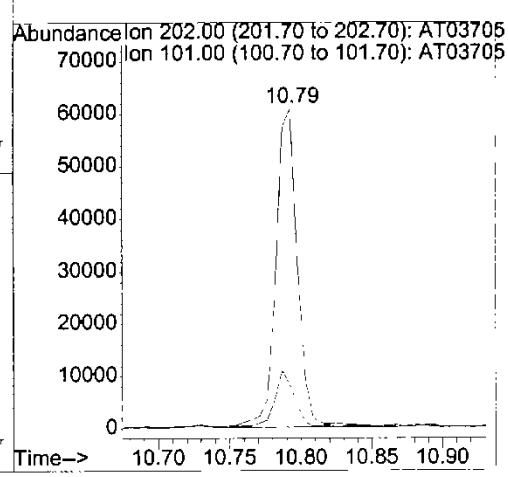


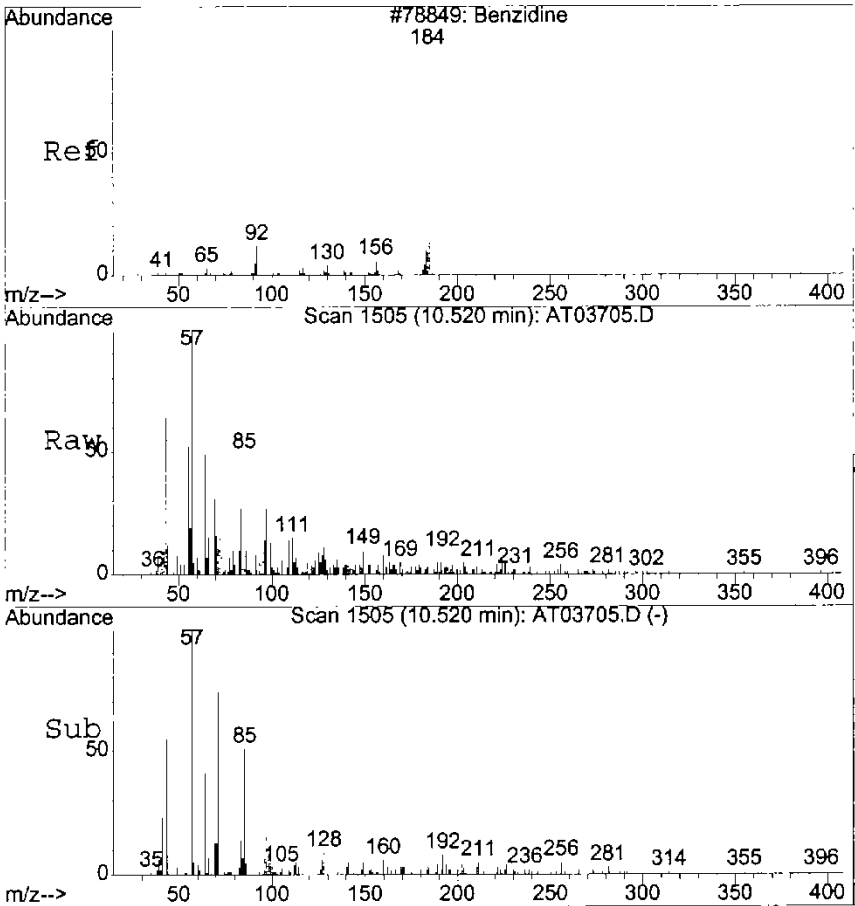


#77
Pyrene
Concen: 84.07 ug/L
RT: 10.79 min Scan# 1556
Delta R.T. 0.01 min
Lab File: AT03705.D
Acq: 1 Mar 2005 4:11 pm

Tgt Ion:202 Resp: 64554

Ion	Ratio	Lower	Upper
202	100		
101	12.7	0.0	44.9

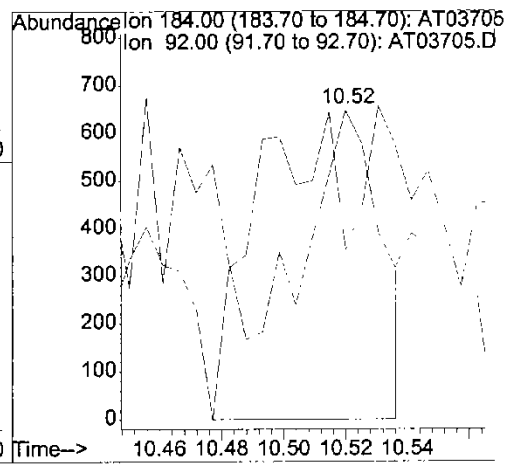


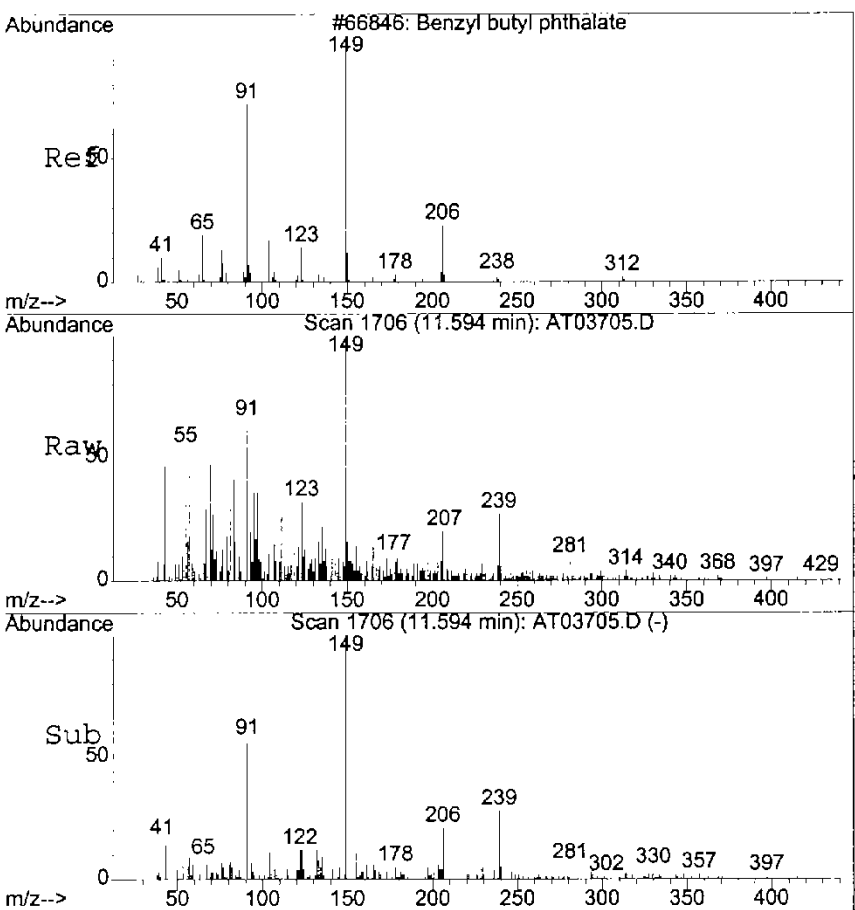


#78
Benzidine
Concen: 12.46 ul/l
RT: 10.52 min Scan# 1505
Delta R.T. -0.20 min
Lab File: AT03705.D
Acq: 1 Mar 2005 4:11 pm

Tgt Ion:184 Resp: 1312

Ion	Ratio	Lower	Upper
184	100		
92	31.6	0.0	39.3

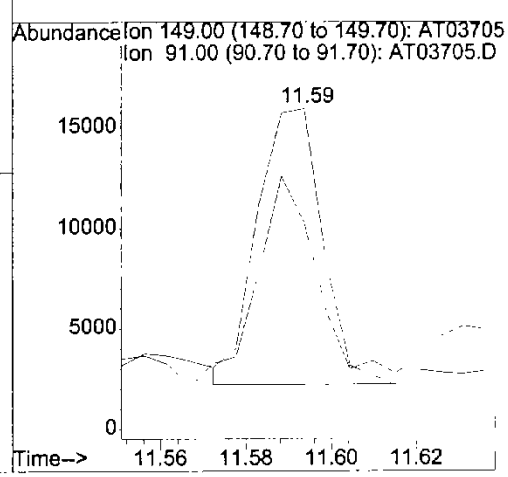


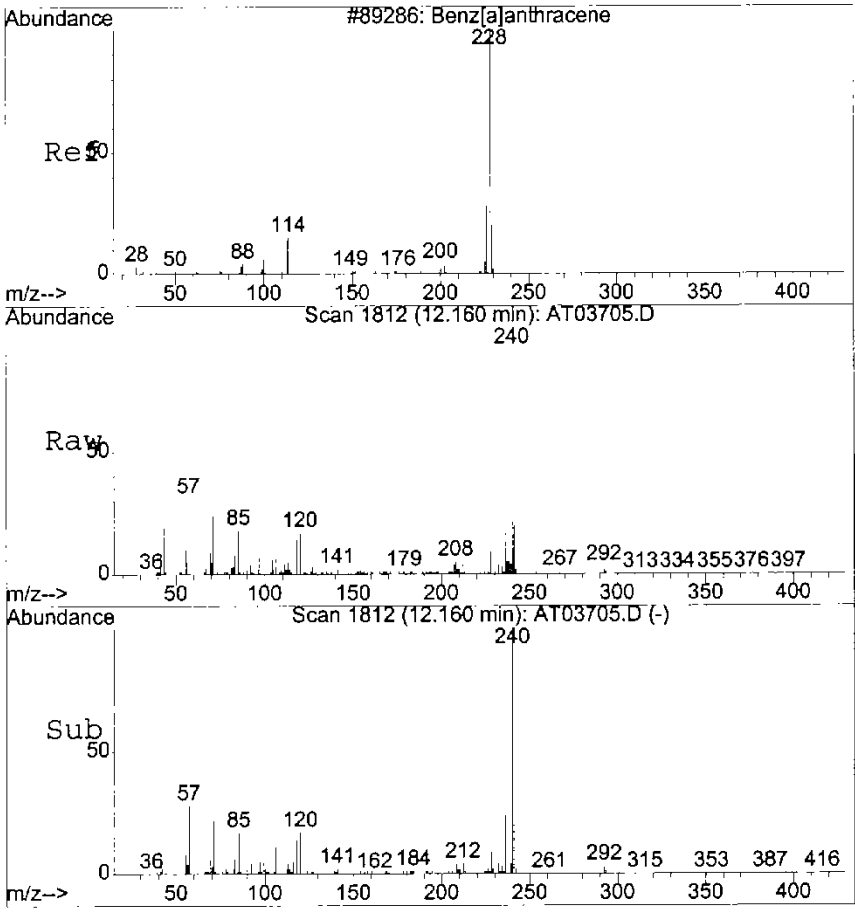


#81
Butylbenzylphthalate
Concen: 112.78 ug/L
RT: 11.59 min Scan# 1706
Delta R.T. 0.01 min
Lab File: AT03705.D
Acq: 1 Mar 2005 4:11 pm

Tgt Ion:149 Resp: 14461

Ion	Ratio	Lower	Upper
149	100		
91	54.6	30.6	90.6

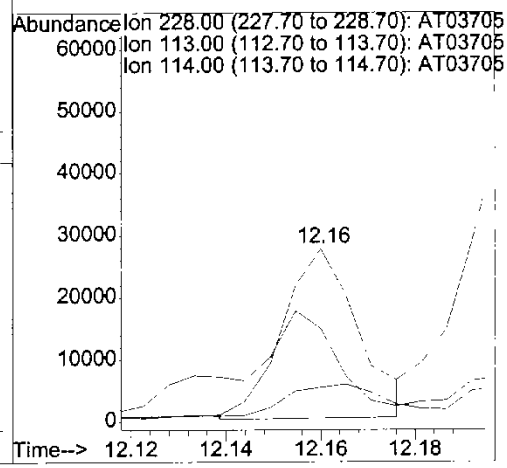


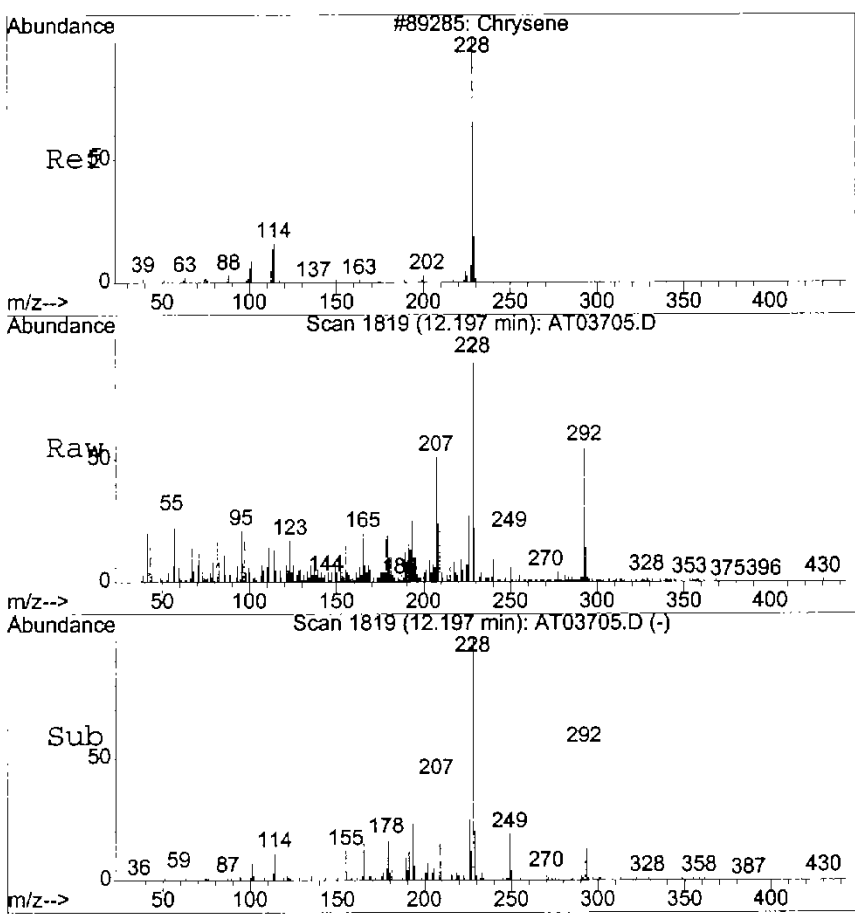


#82
Benzo(a)anthracene
Concen: 45.09 ug/L m
RT: 12.16 min Scan# 1812
Delta R.T. 0.01 min
Lab File: AT03705.D
Acq: 1 Mar 2005 4:11 pm

Tgt Ion:228 Resp: 30362

Ion	Ratio	Lower	Upper
228	100		
113	54.2	0.0	41.1#
114	20.0	0.0	42.7

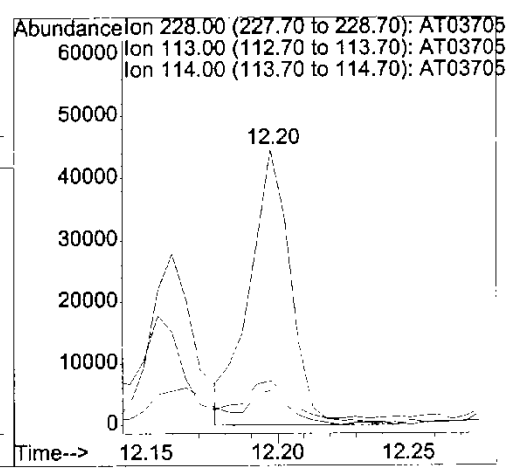


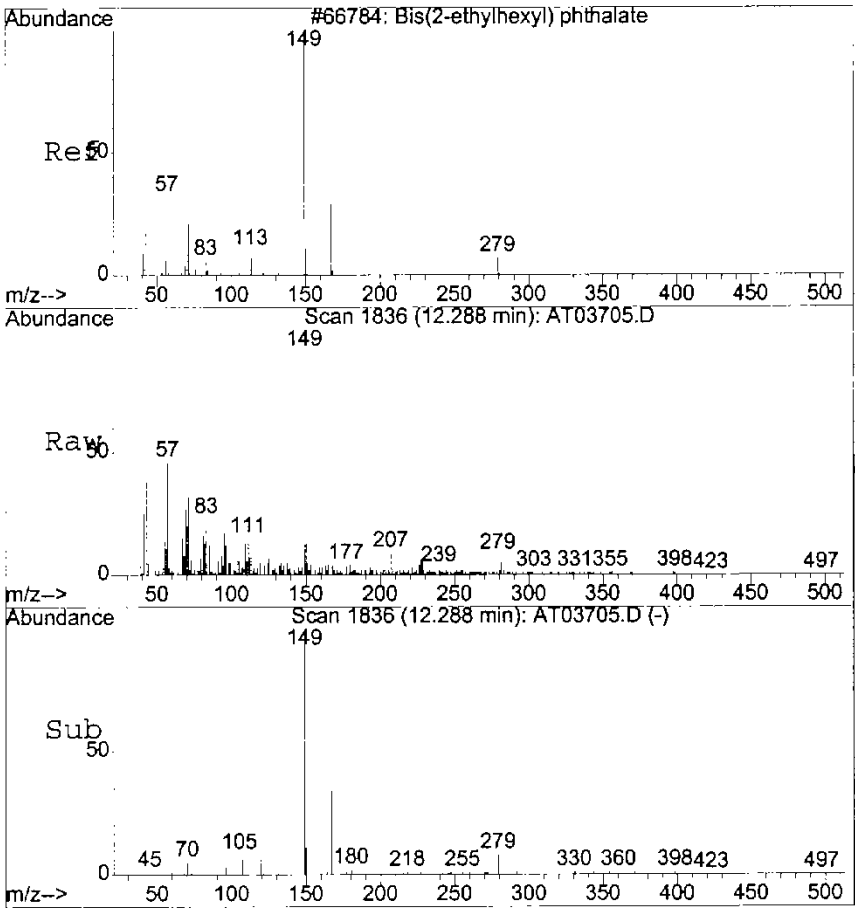


#84
Chrysene
Concen: 69.20 ug/L
RT: 12.20 min Scan# 1819
Delta R.T. 0.01 min
Lab File: AT03705.D
Acq: 1 Mar 2005 4:11 pm

Tgt Ion:228 Resp: 48570

Ion	Ratio	Lower	Upper
228	100		
113	12.8	0.0	42.9
114	9.7	0.0	41.2

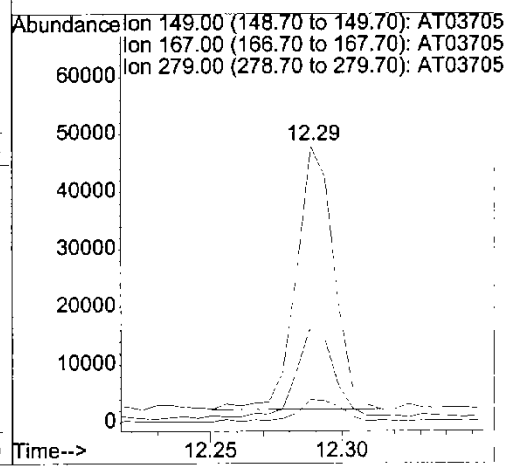


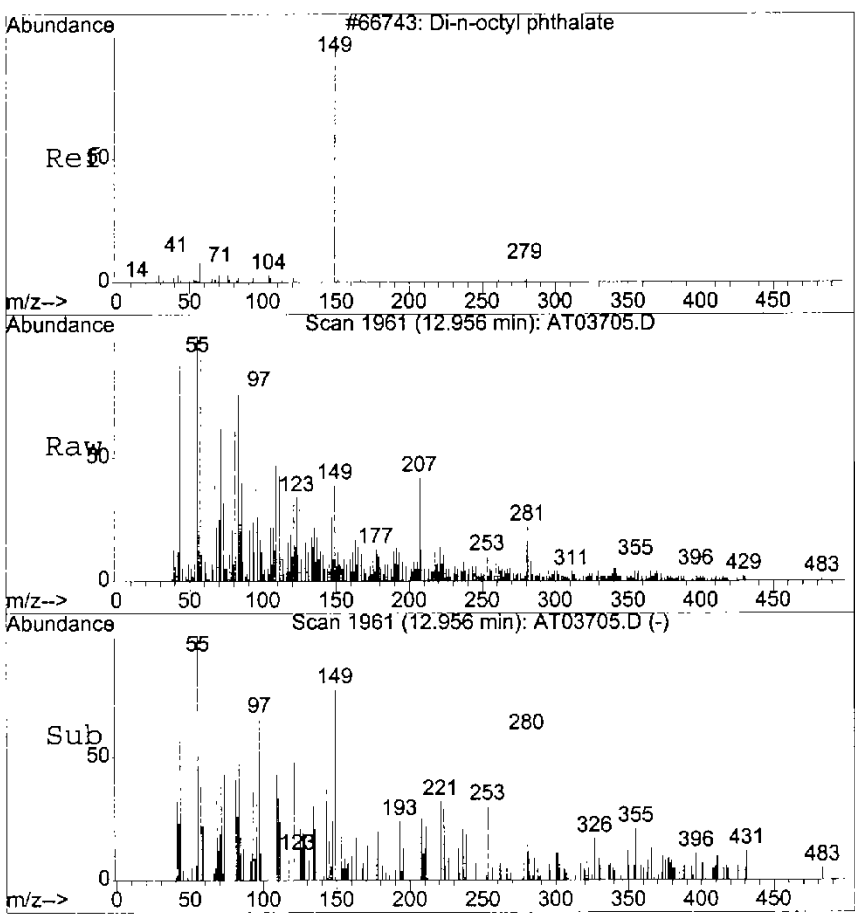


#85
bis(2-Ethylhexyl)phthalate
Concen: 104.83 ug/L
RT: 12.29 min Scan# 1836
Delta R.T. 0.00 min
Lab File: AT03705.D
Acq: 1 Mar 2005 4:11 pm

Tgt Ion:149 Resp: 45593

Ion	Ratio	Lower	Upper
149	100		
167	33.9	2.4	62.4
279	8.2	0.0	39.8

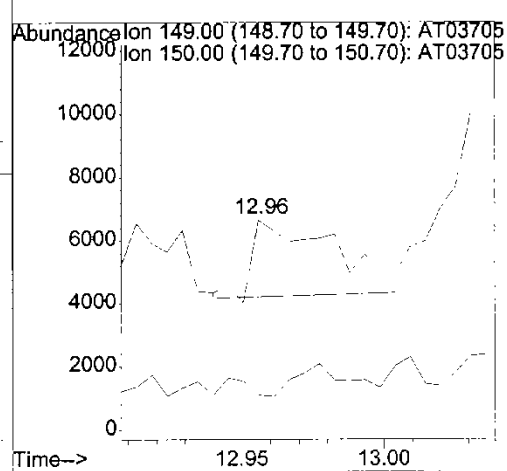


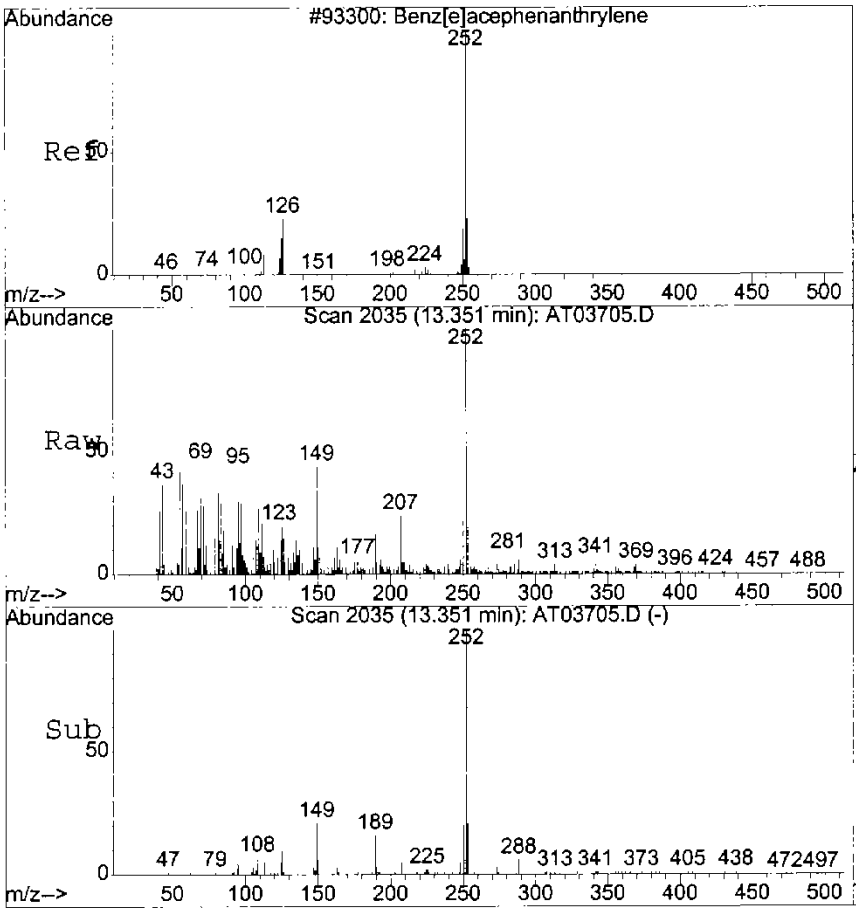


#87
Di-n-octylphthalate
Concen: 7.02 ug/L
RT: 12.96 min Scan# 1961
Delta R.T. 0.01 min
Lab File: AT03705.D
Acq: 1 Mar 2005 4:11 pm

Tgt Ion:149 Resp: 4941

Ion	Ratio	Lower	Upper
149	100		
150	0.0	0.0	39.5

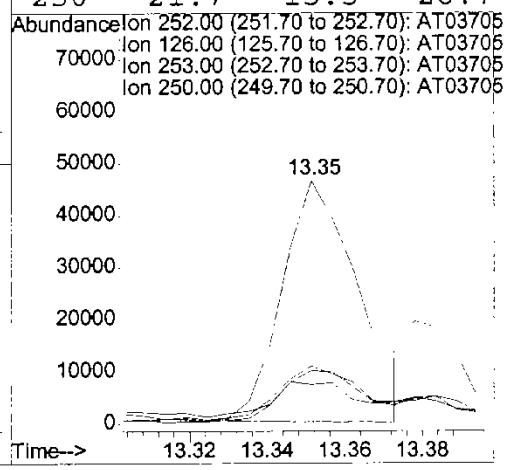


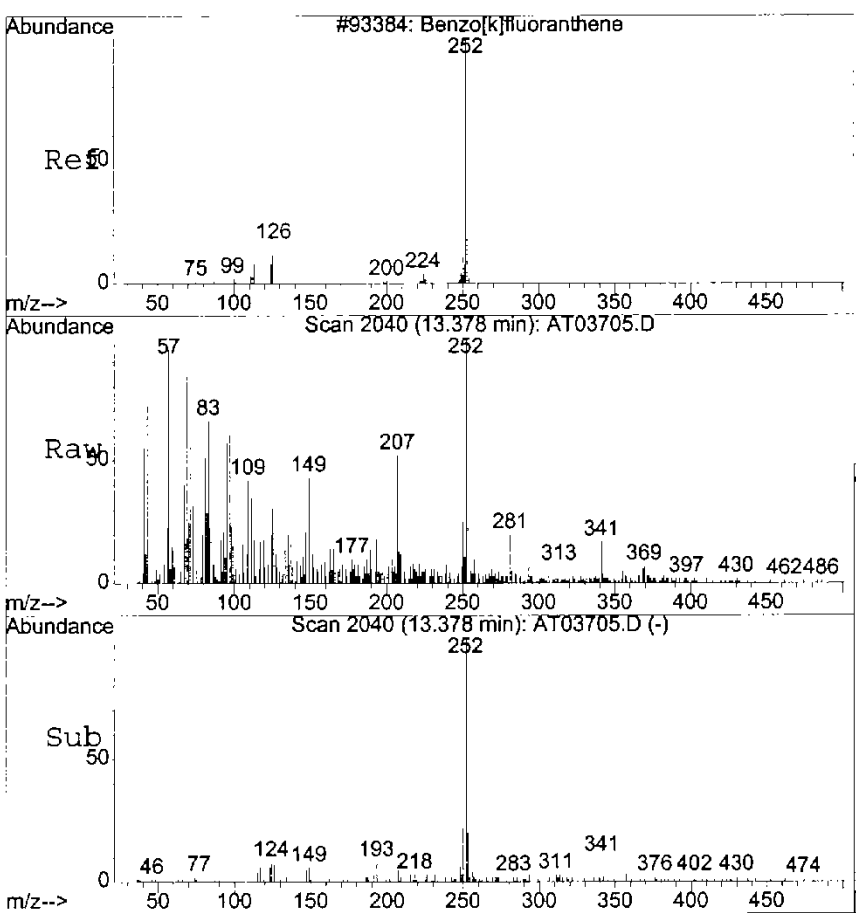


#88
Benzo(b)fluoranthene
Concen: 91.97 ul/l m
RT: 13.35 min Scan# 2035
Delta R.T. 0.01 min
Lab File: AT03705.D
Acq: 1 Mar 2005 4:11 pm

Tgt Ion:252 Resp: 63206

Ion	Ratio	Lower	Upper
252	100		
126	16.1	11.5	21.5
253	23.7	15.2	28.2
250	21.7	15.5	28.7

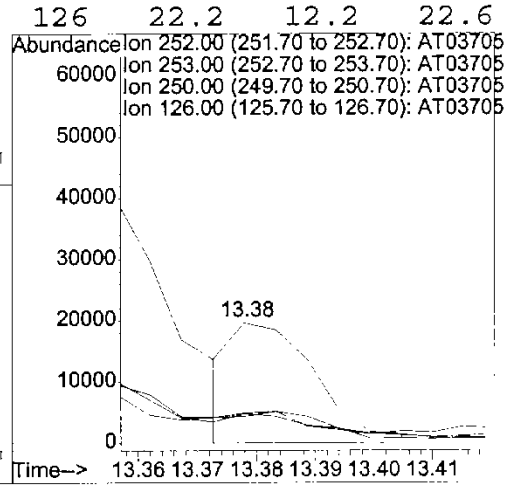


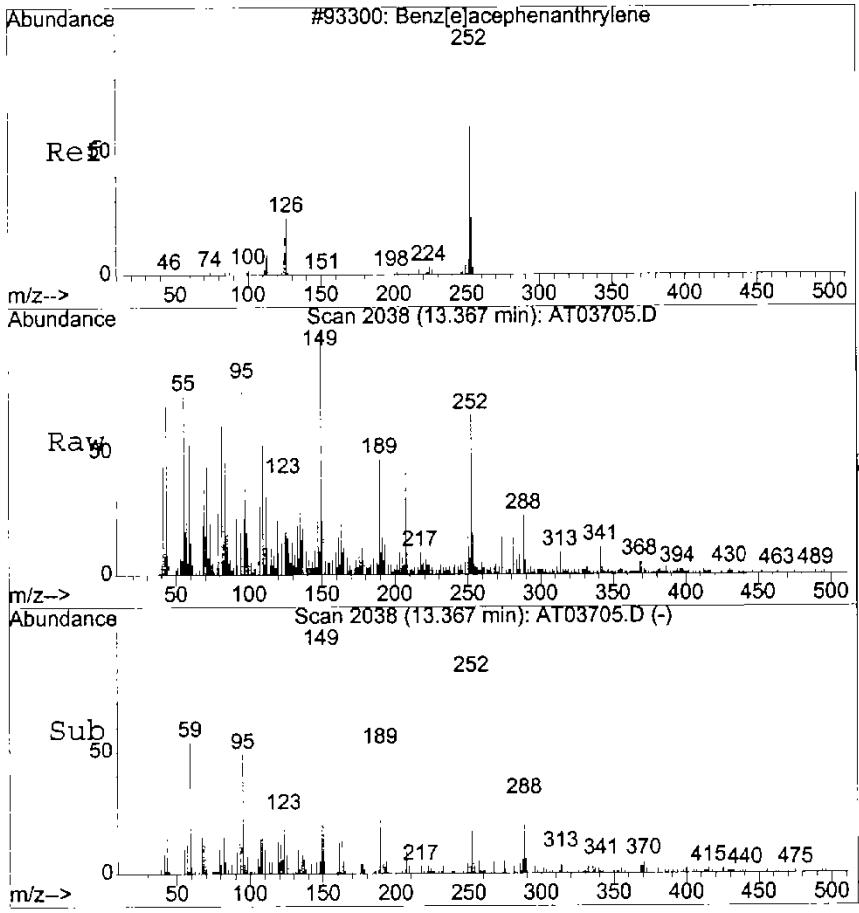


#89
benzo(k)fluoranthene
Concen: 27.78 ul/l m
RT: 13.38 min Scan# 2040
Delta R.T. 0.01 min
Lab File: AT03705.D
Acq: 1 Mar 2005 4:11 pm

Tgt Ion:252 Resp: 19360

Ion	Ratio	Lower	Upper
252	100		
253	25.2	15.3	28.5
250	24.6	15.5	28.9
126	22.2	12.2	22.6

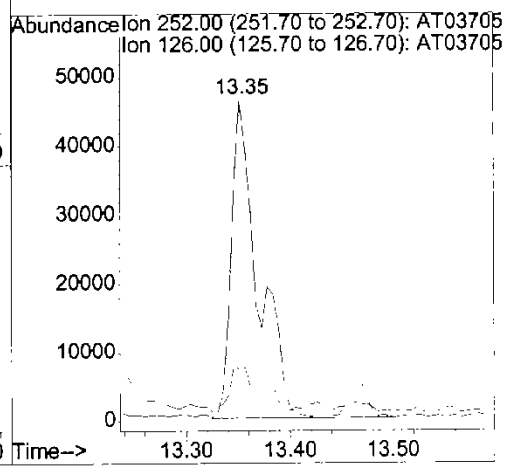


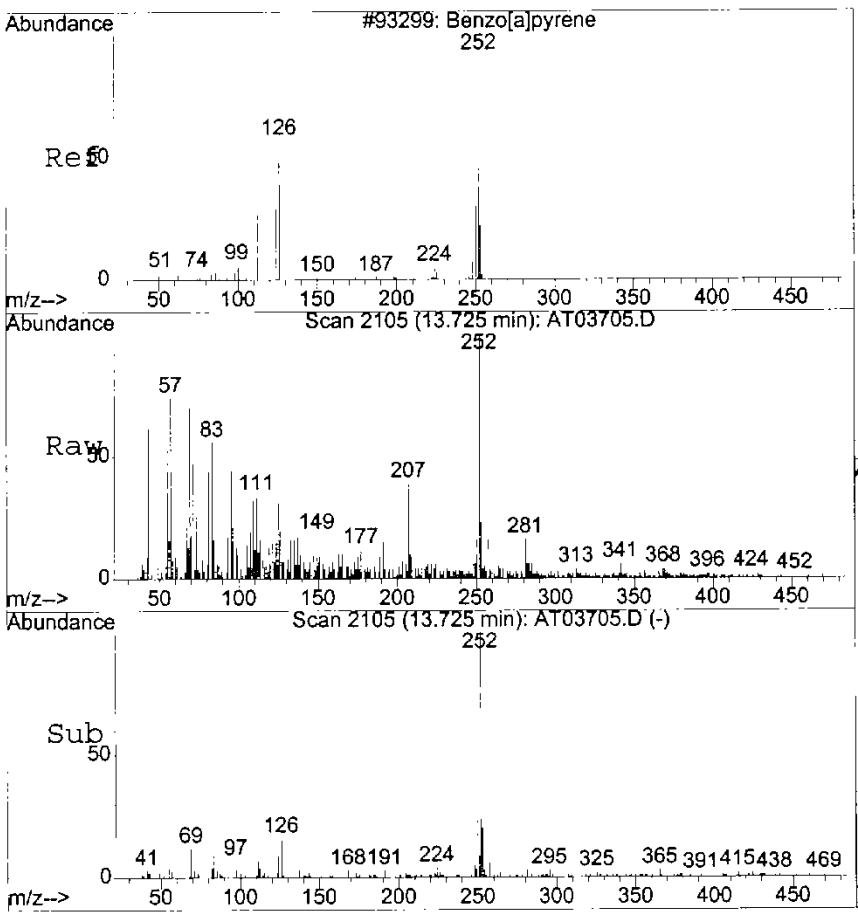


#90
Benzofluoranthenes
Concen: 126.95 ug/L
RT: 13.37 min Scan# 2038
Delta R.T. 0.01 min
Lab File: AT03705.D
Acq: 1 Mar 2005 4:11 pm

Tgt Ion:252 Resp: 89622

Ion	Ratio	Lower	Upper
252	100		
126	15.3	0.0	47.4

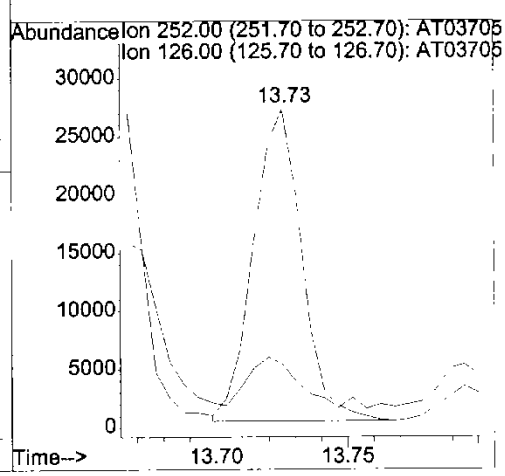


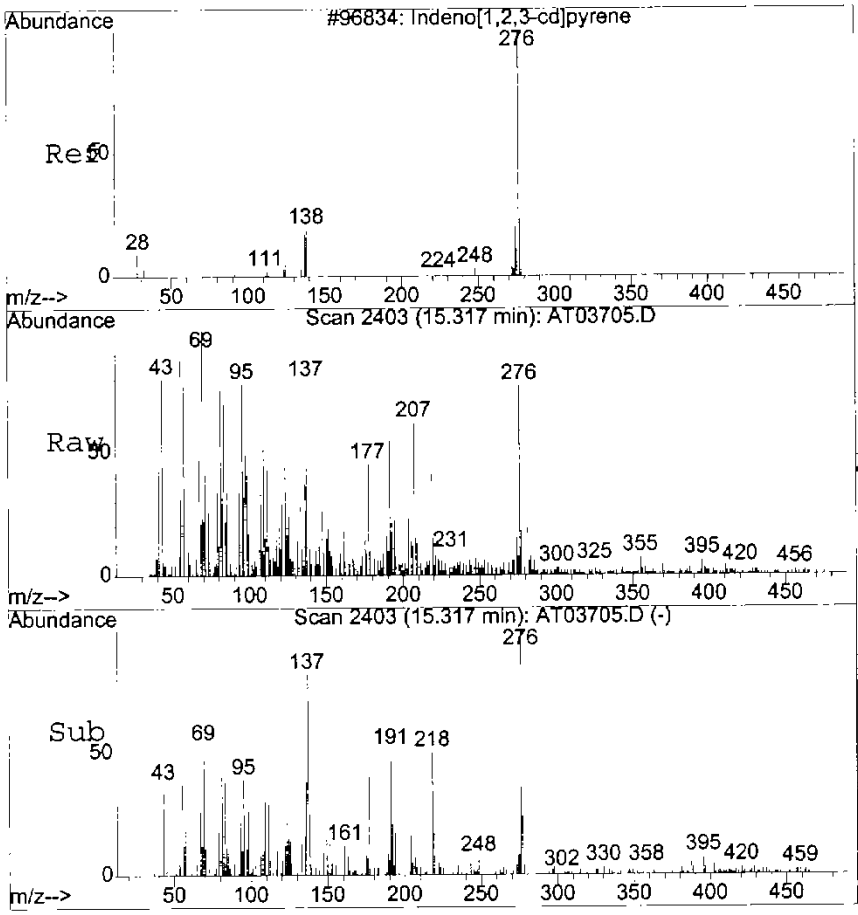


#91
Benzo(a)pyrene
Concen: 56.41 ug/L
RT: 13.72 min Scan# 2105
Delta R.T. 0.01 min
Lab File: AT03705.D
Acq: 1 Mar 2005 4:11 pm

Tgt Ion:252 Resp: 34147

Ion	Ratio	Lower	Upper
252	100		
126	13.0	0.0	45.3

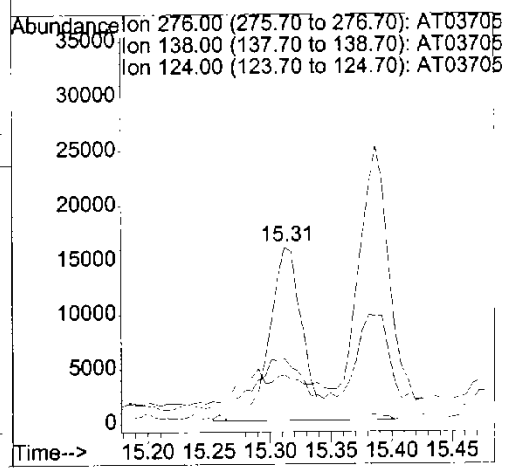


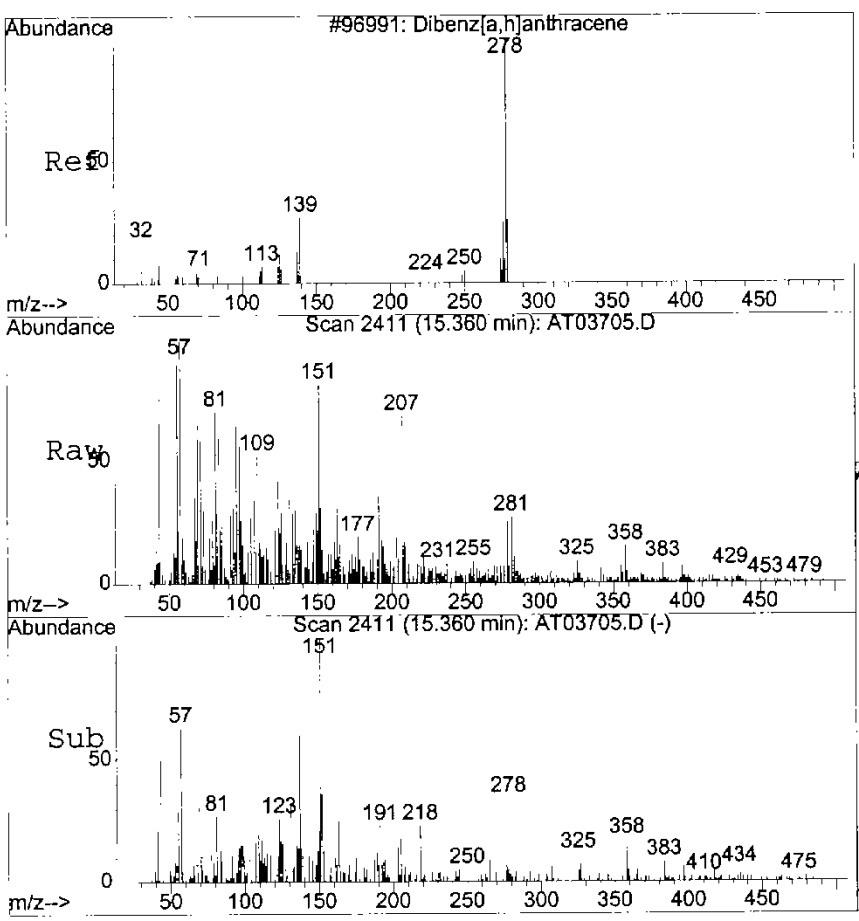


#92
Indeno(1,2,3-cd)pyrene
Concen: 66.75 ug/L
RT: 15.32 min Scan# 2403
Delta R.T. 0.02 min
Lab File: AT03705.D
Acq: 1 Mar 2005 4:11 pm

Tgt Ion:276 Resp: 31926

Ion	Ratio	Lower	Upper
276	100		
138	15.8	0.0	51.8
124	0.0	0.0	35.4

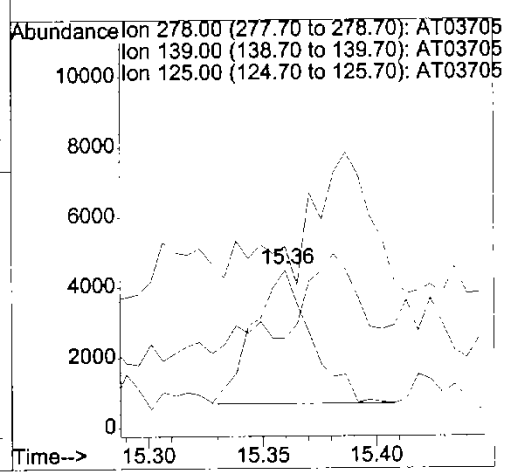


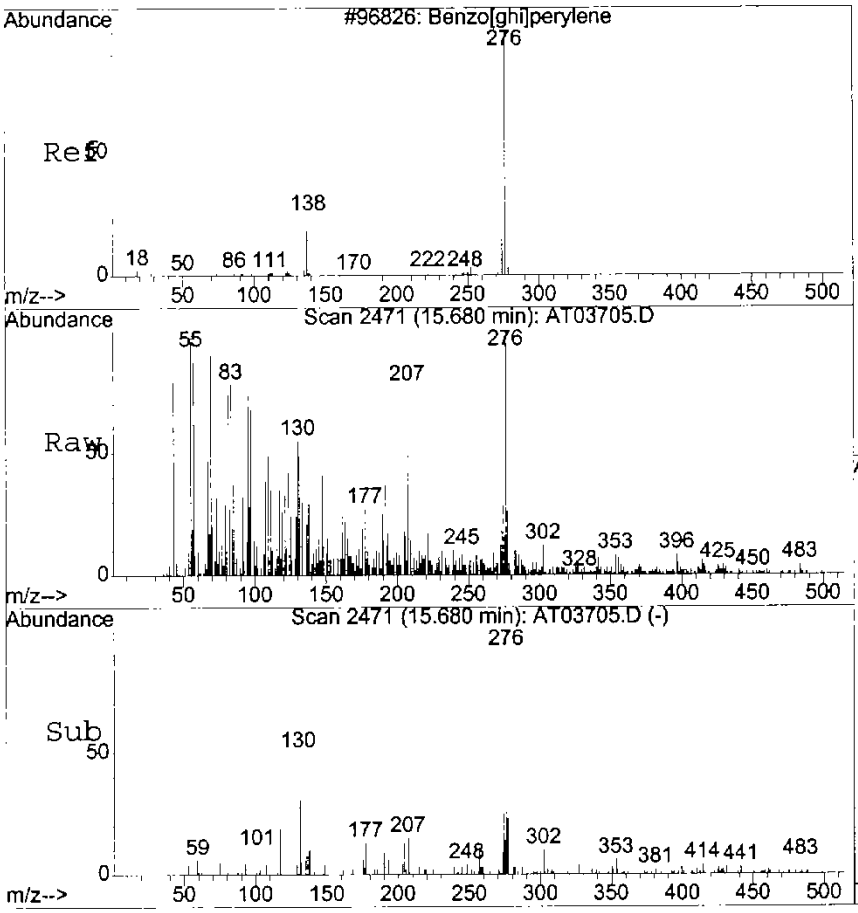


#93
Dibenz(a,h)anthracene
Concen: 21.98 ug/L
RT: 15.36 min Scan# 2411
Delta R.T. 0.01 min
Lab File: AT03705.D
Acq: 1 Mar 2005 4:11 pm

Tgt Ion:278 Resp: 6668

Ion	Ratio	Lower	Upper
278	100		
139	0.9	0.0	46.7
125	19.4	0.0	35.8

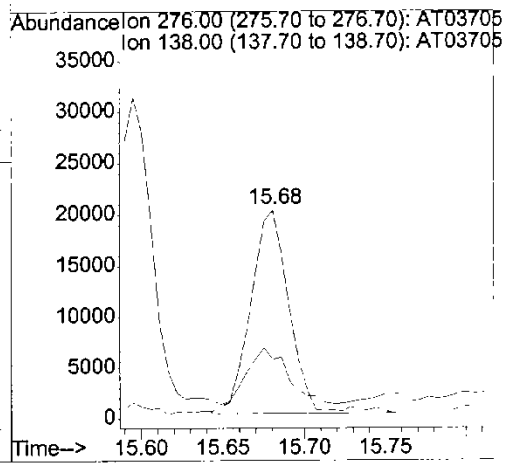




#94
Benzo(g,h,i)perylene
Concen: 48.62 ug/L
RT: 15.68 min Scan# 2471
Delta R.T. 0.02 min
Lab File: AT03705.D
Acq: 1 Mar 2005 4:11 pm

Tgt Ion:276 Resp: 32869

Ion	Ratio	Lower	Upper
276	100		
138	18.6	0.0	54.3

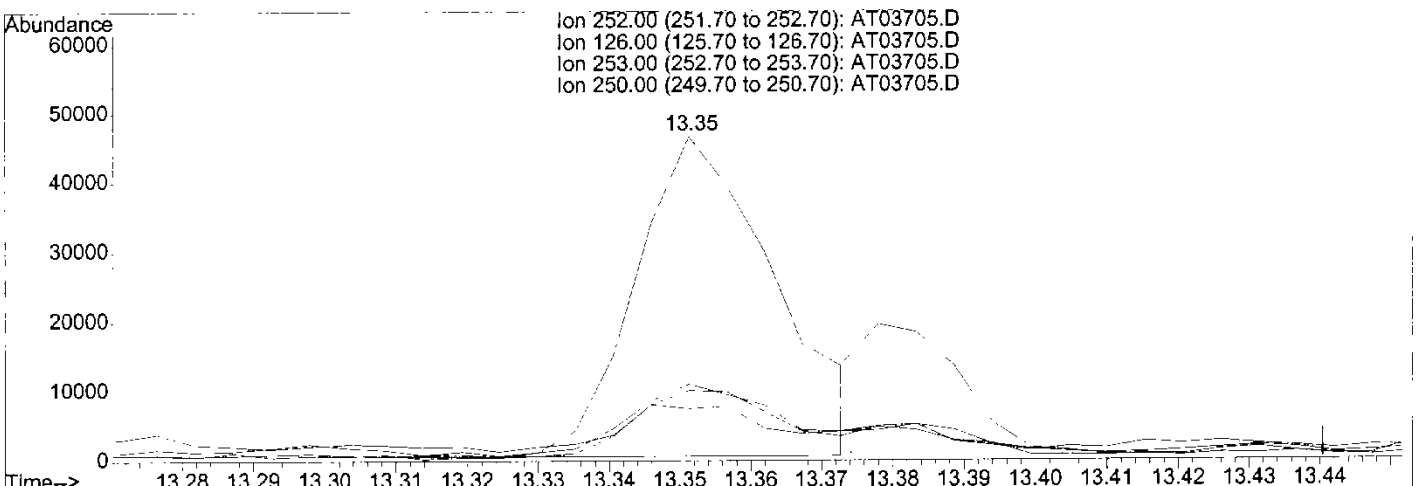


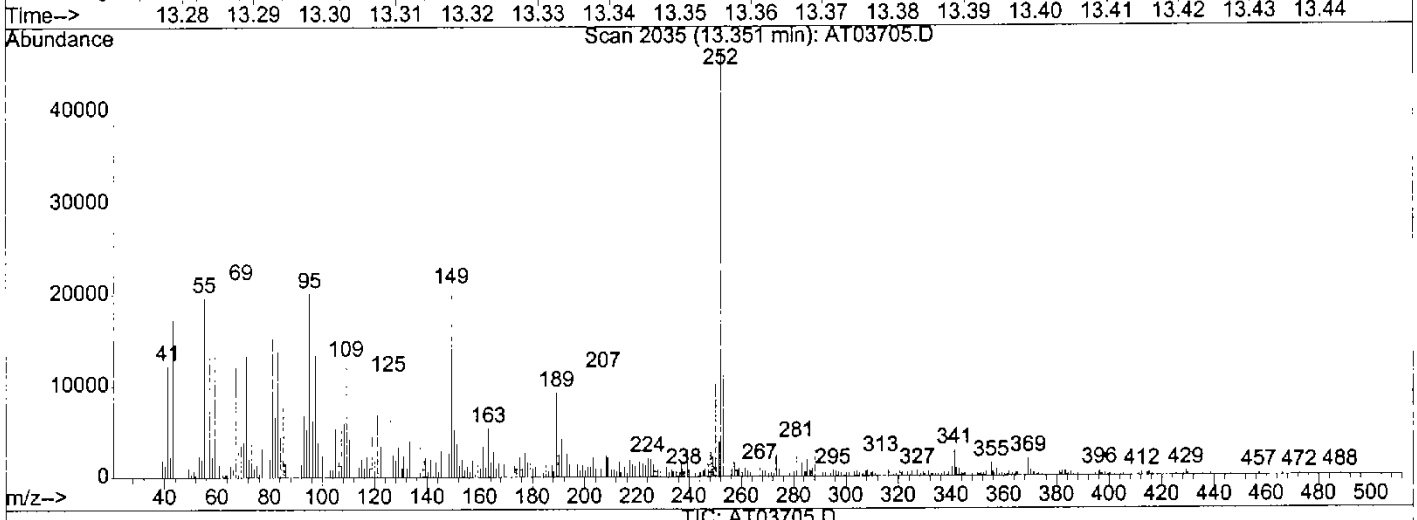
Quantitation Report (Qedit)

Data File : H:\DATA\030105_A\AT03705.D
Acq On : 1 Mar 2005 4:11 pm
Sample : 126377-4 &1 1:5 ss1348
Misc :
MS Integration Params: Rteint.p
Quant Time: Mar 2 6:27 2005

Vial: 19
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: temp.res

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Feb 28 14:16:48 2005
Response via : Multiple Level Calibration





(88) Benzo(b)fluoranthene (T)

13.35min 91.36ul/l

response 62717

Ion	Exp%	Act%
252.00	100	100
126.00	16.50	10.89#
253.00	21.70	20.72
250.00	22.10	20.12

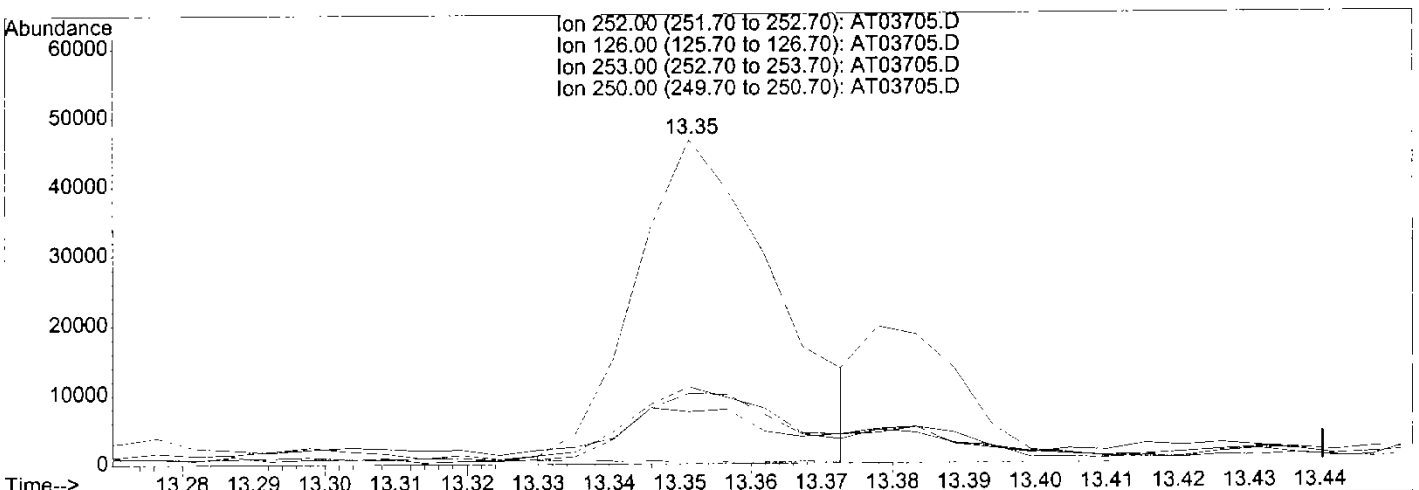
3/2/05

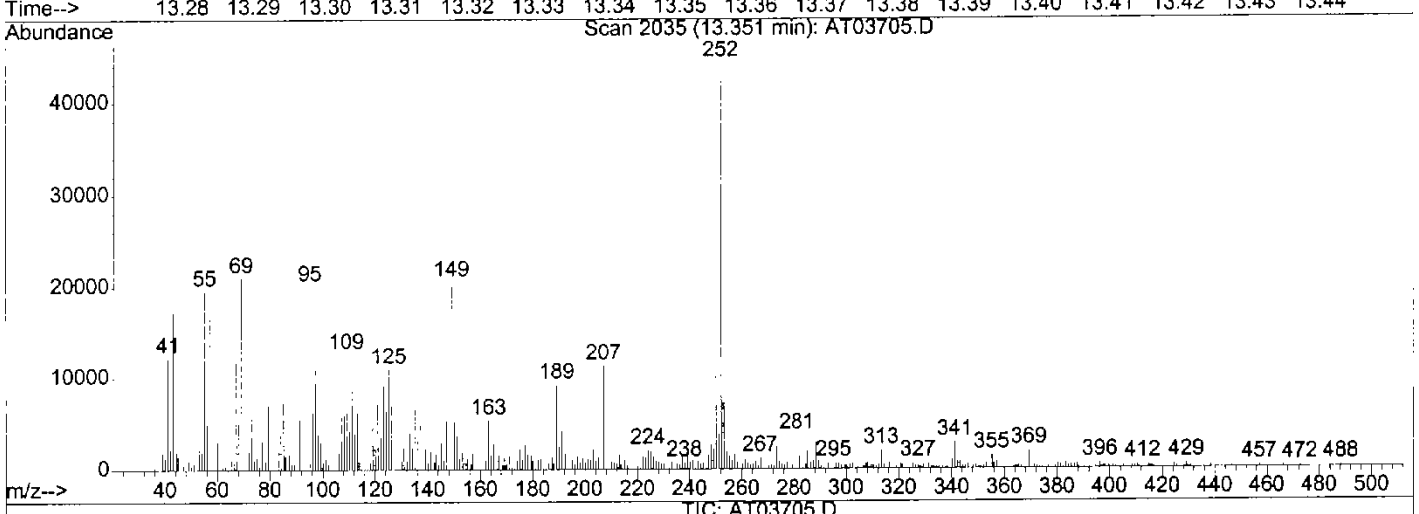
Quantitation Report (Qedit)

Data File : H:\DATA\030105_A\AT03705.D
Acq On : 1 Mar 2005 4:11 pm
Sample : 126377-4 &1 1:5 ss1348
Misc :
MS Integration Params: Rteint.p
Quant Time: Mar 2 6:33 2005

Vial: 19
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: temp.res

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Feb 28 14:16:48 2005
Response via : Multiple Level Calibration





(88) Benzo(b)fluoranthene (T)

13.35min 91.97ul/l m

response 63206

Ion	Exp%	Act%
252.00	100	100
126.00	16.50	16.11
253.00	21.70	23.69
250.00	22.10	21.73

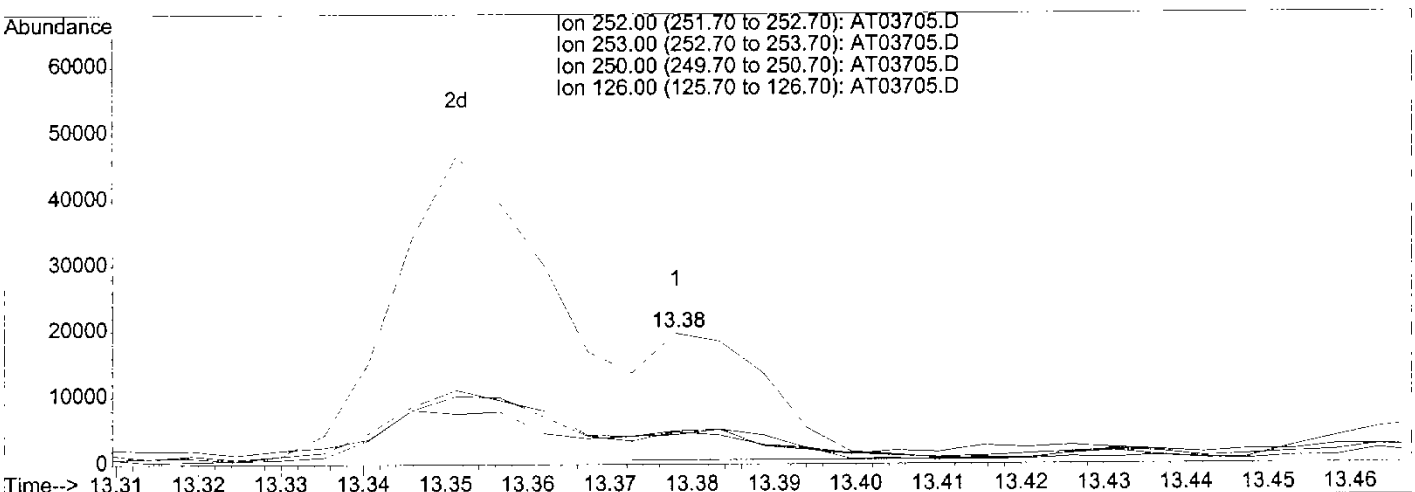
3/2/05

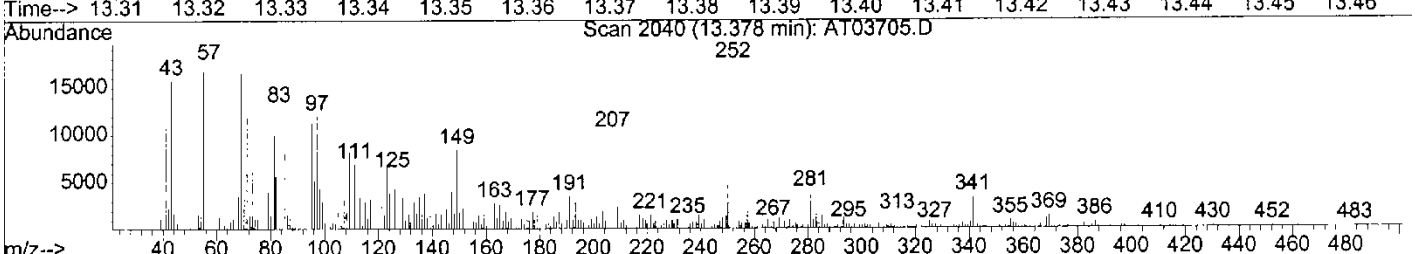
Quantitation Report (Qedit)

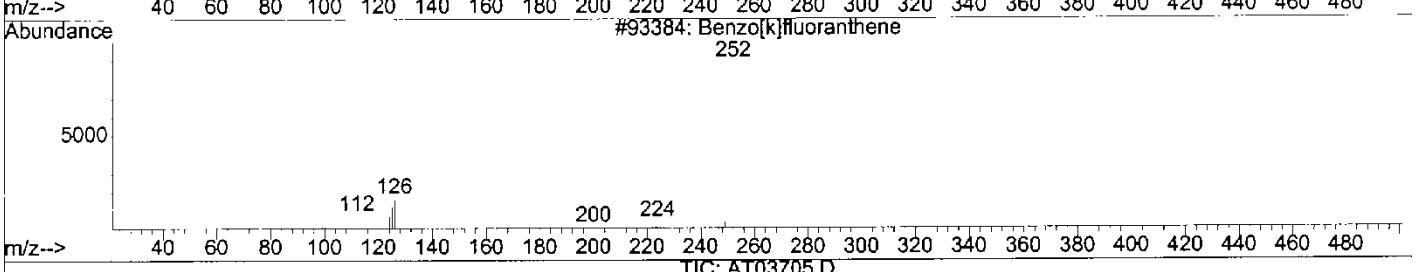
Data File : H:\DATA\030105_A\AT03705.D
Acq On : 1 Mar 2005 4:11 pm
Sample : 126377-4 &1 1:5 ss1348
Misc :
MS Integration Params: Rteint.p
Quant Time: Mar 2 6:33 2005

Vial: 19
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: temp.res

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Feb 28 14:16:48 2005
Response via : Multiple Level Calibration







TIC: AT03705.D

(89) benzo(k)fluoranthene (T)

13.38min 26.08ul/l

response 18178

Ion	Exp%	Act%
252.00	100	100
253.00	21.90	17.05
250.00	22.20	21.40
126.00	17.40	8.71#

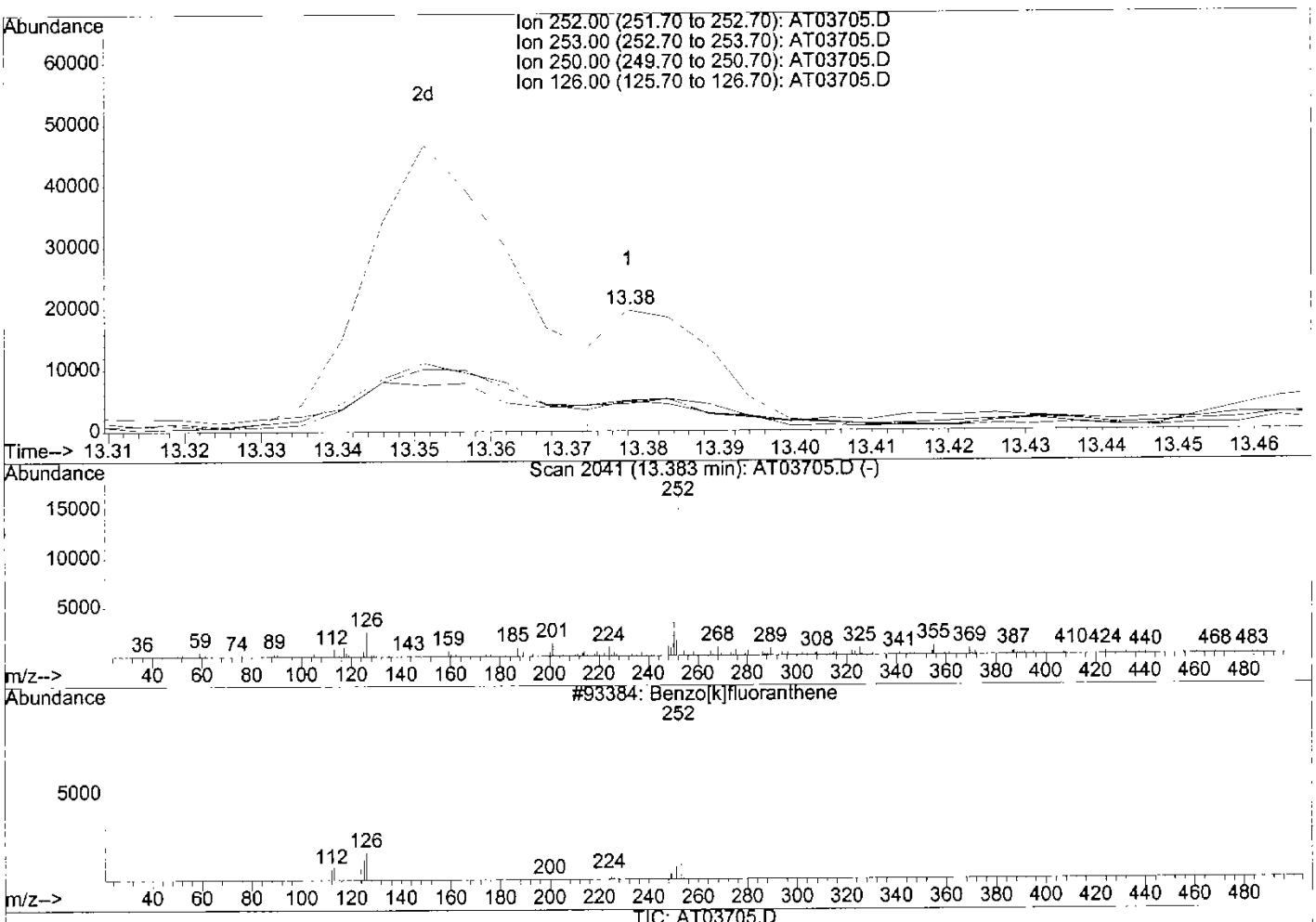
3/2/05

Quantitation Report (Qedit)

Data File : H:\DATA\030105_A\AT03705.D
Acq On : 1 Mar 2005 4:11 pm
Sample : 126377-4 &1 1:5 ss1348
Misc :
MS Integration Params: Rteint.p
Quant Time: Mar 2 6:33 2005

Vial: 19
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: temp.res

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Feb 28 14:16:48 2005
Response via : Multiple Level Calibration



(89) benzo(k)fluoranthene (T)

13.38min 27.78ul/l m

response 19360

Ion	Exp%	Act%
252.00	100	100
253.00	21.90	25.18
250.00	22.20	24.59
126.00	17.40	22.19

RBF 3/2/05

Quantitation Report (QT Reviewed)

Data File : H:\DATA\022505_A\AT03680.D
Acq On : 25 Feb 2005 5:05 pm
Sample : 126377-5 &1
Misc :
MS Integration Params: Rteint.p
Quant Time: Feb 28 06:57:58 2005

Vial: 21
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: 8270_022505.RES

Quant Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Fri Feb 25 12:17:02 2005
Response via : Initial Calibration
DataAcq Meth : 8270EXT

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4 (I)	5.56	152	261281	1000.000 ug/L	0.00
23) Naphthalene - d8 (I)	6.66	136	1008309	1000.000 ug/L	0.00
39) Acenaphthene - d10 (I)	8.13	162	544196	1000.000 ug/L	0.00
63) Phenanthrene - d10 (I)	9.45	188	996033	1000.000 ug/L	0.00
80) Chrysene - d12 (I)	12.34	240	1064001	1000.000 ul/l	0.00
86) Perylene - d12 (I)	14.01	264	1051863	1000.000 ug/L	0.02
System Monitoring Compounds					
4) 2 - Fluorophenol (S)	4.30	112	89290	408.15 ug/L	-0.03
8) Phenol - d5 (S)	5.26	99	143602	583.20 ug/L	0.00
24) Nitrobenzene - d5 (S)	6.05	82	67700	327.46 ug/L	-0.01
44) 2 - Fluorobiphenyl (S)	7.58	172	248549	423.29 ug/L	0.00
66) 2,4,6 - Tribromophenol (S)	8.81	330	86201	883.26 ug/L	0.00
79) p - Terphenyl - d14 (S)	11.16	244	493014	817.54 ug/L	0.00
Target Compounds					Qvalue
5) Cyclohexanone	4.56	55	1922	11.213 ul/L	98
6) Benzaldehyde	5.17	105	84284	426.052 ul/L	99
9) Phenol	5.27	94	20292	77.291 ug/L	78
12) Decane	5.43	57	9213	34.662 ul/L	78
13) 1,3-Dichlorobenzene	5.50	146	1750	5.745 ug/L	76
15) Benzyl alcohol	5.70	79	14064	108.423 ug/L	95
19) 3-&4-Methylphenol	5.95	108	13260	86.205 ug/L	91
21) Acetophenone	5.93	105	7443	28.190 ul/L	95
26) Isophorone	6.28	82	4137	9.948 ug/L	85
28) 2,4-Dimethylphenol	6.41	107	1547	35.605 ug/L	80
30) Benzoic Acid	6.47	105	77360	1032.117 ug/L	93
32) 1,2,4-Trichlorobenzene	6.62	180	1888	7.320 ug/L	76
33) Naphthalene	6.68	128	41814	53.731 ug/L	98
37) 2-Methylnaphthalene	7.27	141	14390	34.900 ug/L	89
38) 1-Methylnaphthalene	7.35	141	7691	17.903 ul/l	97
46) Biphenyl	7.66	154	12301	20.164 ul/L	91
47) 2-Nitroaniline	7.77	138	511	~~25.031 ug/L~~	88
48) Dimethylphthalate	7.92	163	6257	12.244 ug/L	56
49) Acenaphthylene	8.01	152	13917	18.543 ug/L	95
51) 3-Nitroaniline	8.11	138	406	Below Cal #	8
52) Acenaphthene	8.15	153	49838	100.916 ug/L	96
53) 2,4-Dinitrophenol	8.17	184	1163	~~363.670 ug/L~~	51
55) Dibenzofuran	8.30	168	41850	63.255 ug/L	98
57) 2,3,4,6-Tetrachlorophenol	8.35	232	121	~~51.863 ug/L~~	70
59) Diethylphthalate	8.51	149	33654	62.266 ug/L	91
60) Fluorene	8.59	166	64229	126.146 ug/L	90

(#) = qualifier out of range (m) = manual integration

00513

Quantitation Report (QT Reviewed)

Data File : H:\DATA\022505_A\AT03680.D
Acq On : 25 Feb 2005 5:05 pm
Sample : 126377-5 &1
Misc :
MS Integration Params: Rteint.p
Quant Time: Feb 28 06:57:58 2005

Vial: 21
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: 8270_022505.RES

Quant Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Fri Feb 25 12:17:02 2005
Response via : Initial Calibration
DataAcq Meth : 8270EXT

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
70)	Pentachlorophenol	9.28	266	2531	28.168	ug/L	59
71)	Phenanthrene	9.47	178	449021	552.943	ug/L	99
72)	Anthracene	9.52	178	83972	114.013	ug/L	96
73)	Octadecane	9.38	57	49082	208.275	ul/L	93
74)	Carbazole	9.69	167	14272	28.624	ug/L	85
75)	Di-n-butylphthalate	10.08	149	3240860	3712.744	ug/L E	100
76)	Fluoranthene	10.72	202	600440	724.461	ug/L	98
77)	Pyrene	10.95	202	574660	668.475	ug/L	99
78)	Benzidine	11.02	184	2758	23.399	ul/l	72
81)	Butylbenzylphthalate	11.74	149	36272	163.372	ug/L	92
82)	Benzo(a)anthracene	12.33	228	250768	324.437	ug/L	87
83)	3,3'-Dichlorobenzidine	12.17	252	3098	41.318	ug/L	92
84)	Chrysene	12.37	228	433624	538.234	ug/L	100
85)	bis(2-Ethylhexyl)phthalate	12.44	149	273561	547.991	ug/L	99
87)	Di-n-octylphthalate	13.14	149	25497	~~31.281~~	~~ug/L~~	88
88)	Benzo(b)fluoranthene	13.54	252	472063	524.162	ul/l	98
89)	benzo(k)fluoranthene	13.57	252	147085m	182.185	ul/l	
90)	Benzofluoranthenes	13.56	252	657120	803.526	ug/L	90
91)	Benzo(a)pyrene	13.94	252	227005	323.755	ug/L	99
92)	Indeno(1,2,3-cd)pyrene	15.46	276	36891	66.632	ug/L	76
93)	Dibenz(a,h)anthracene	15.57	278	15092	~~30.895~~	~~ug/L~~	67
94)	Benzo(g,h,i)perylene	15.94	276	200532	256.070	ug/L	98

3/1/05

(#) = qualifier out of range (m) = manual integration

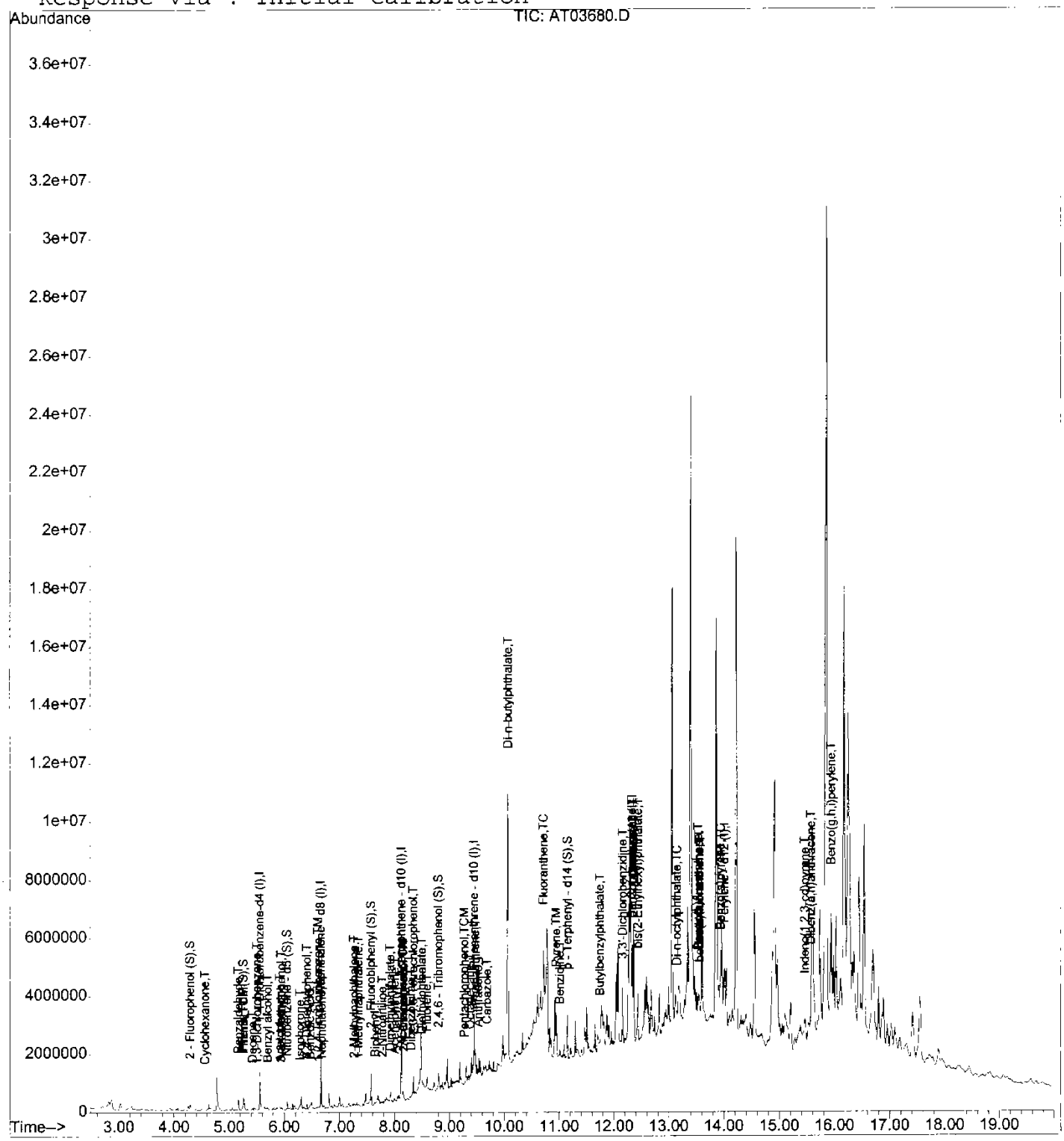
00514

Quantitation Report (QT Reviewed)

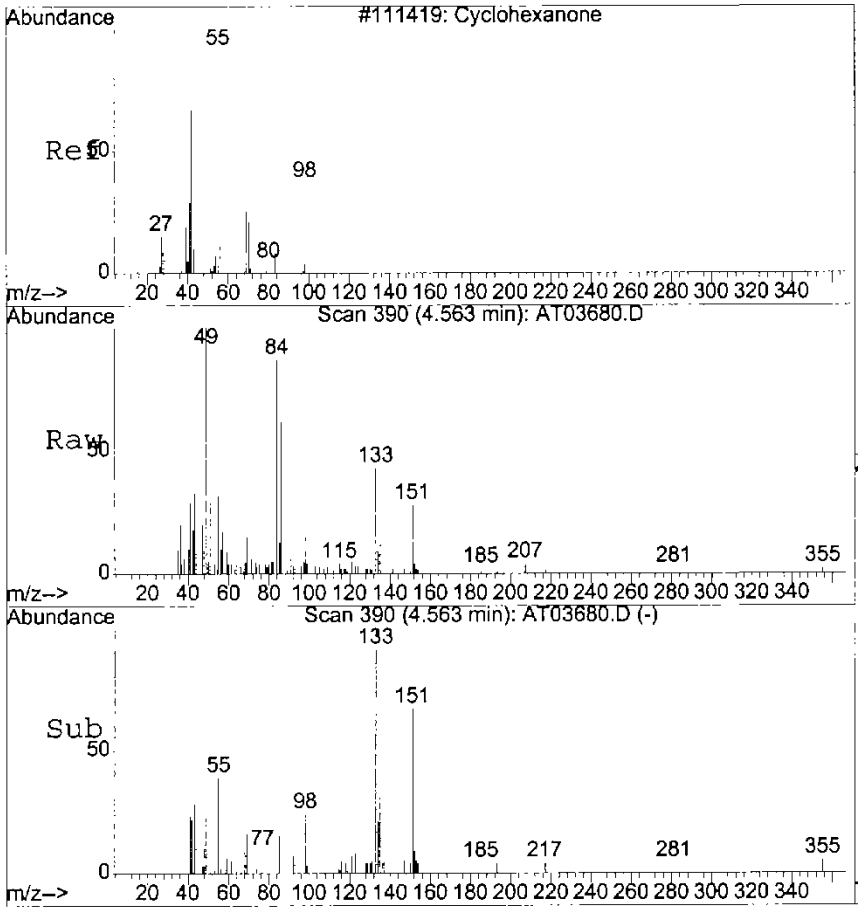
Data File : H:\DATA\022505_A\AT03680.D
Acq On : 25 Feb 2005 5:05 pm
Sample : 126377-5 &1
Misc :
MS Integration Params: Rteint.p
Quant Time: Feb 28 10:49 2005

Vial: 21
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: 8270_022505.

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Fri Feb 25 12:17:02 2005
Response via : Initial Calibration



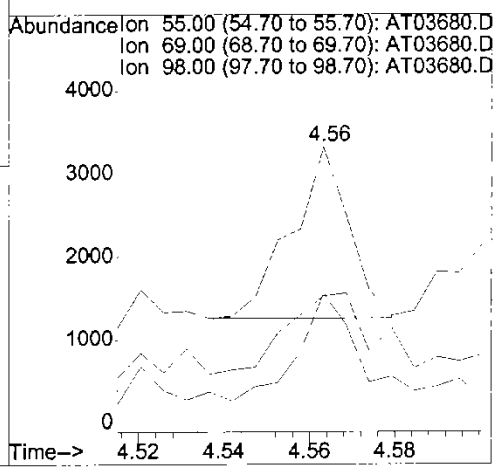
00515

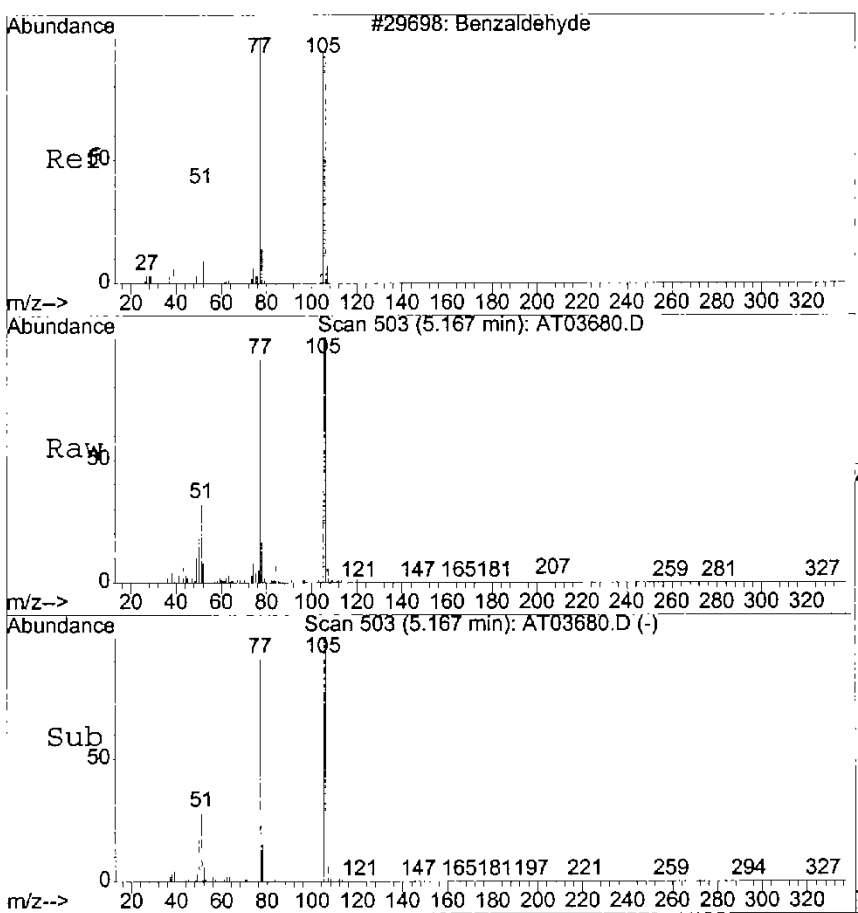


#5
Cyclohexanone
Concen: 11.21 ul/L
RT: 4.56 min Scan# 390
Delta R.T. -0.01 min
Lab File: AT03680.D
Acq: 25 Feb 2005 5:05 pm

Tgt Ion: 55 Resp: 1922

Ion	Ratio	Lower	Upper
55	100		
69	32.5	4.6	64.6
98	53.6	24.8	84.8

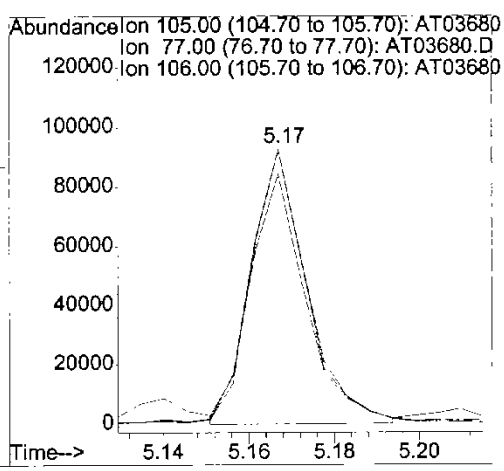




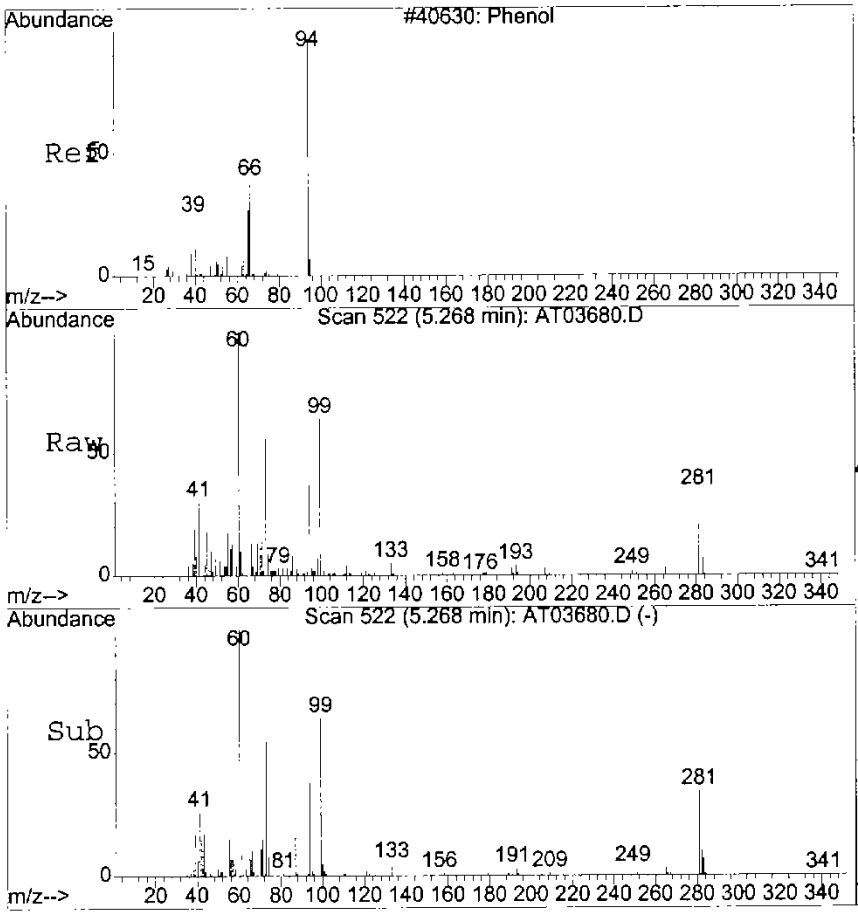
#6
Benzaldehyde
Concen: 426.05 ul/L
RT: 5.17 min Scan# 503
Delta R.T. -0.01 min
Lab File: AT03680.D
Acq: 25 Feb 2005 5:05 pm

Tgt Ion:105 Resp: 84284

Ion	Ratio	Lower	Upper
105	100		
77	92.5	63.9	123.9
106	101.2	72.0	132.0



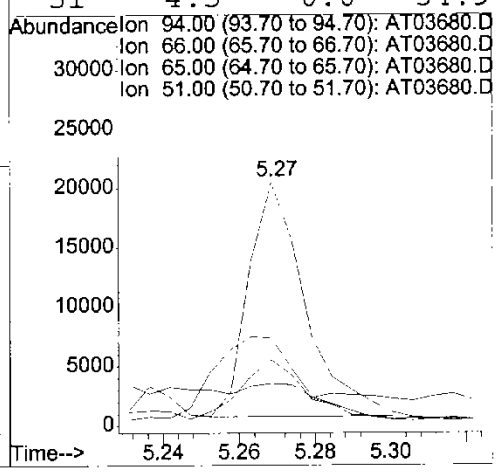
00516

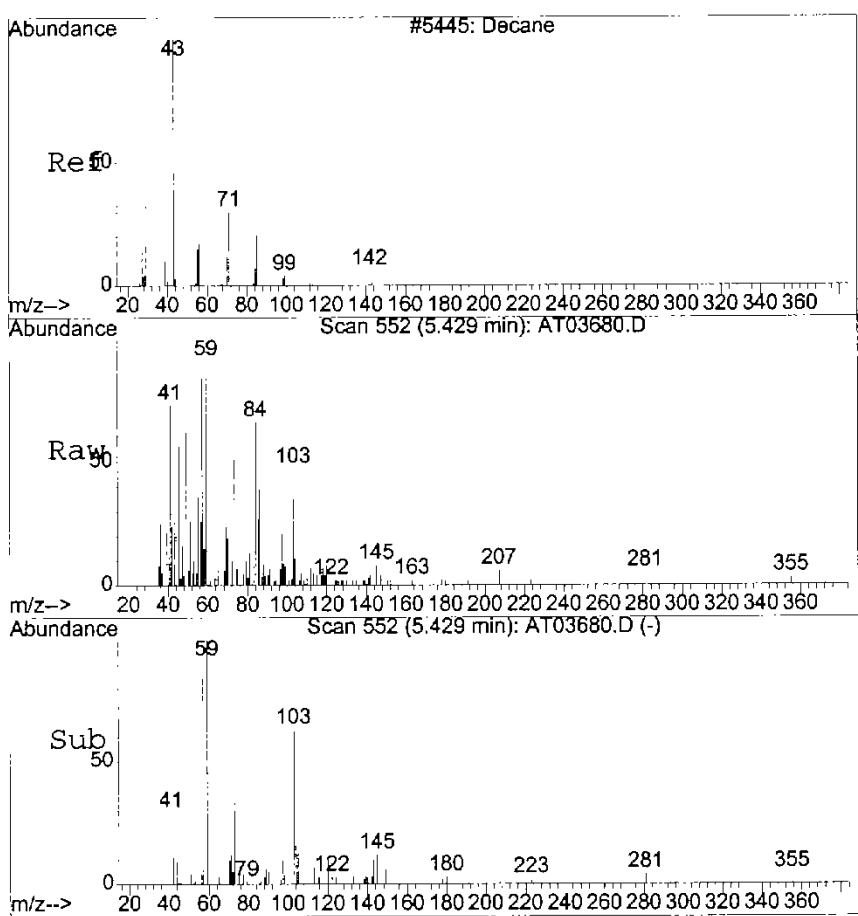


#9
Phenol
Concen: 77.29 ug/L
RT: 5.27 min Scan# 522
Delta R.T. -0.00 min
Lab File: AT03680.D
Acq: 25 Feb 2005 5:05 pm

Tgt Ion: 94 Resp: 20292

Ion	Ratio	Lower	Upper
94	100		
66	24.7	14.1	74.1
65	23.9	1.3	61.3
51	4.5	0.0	34.9

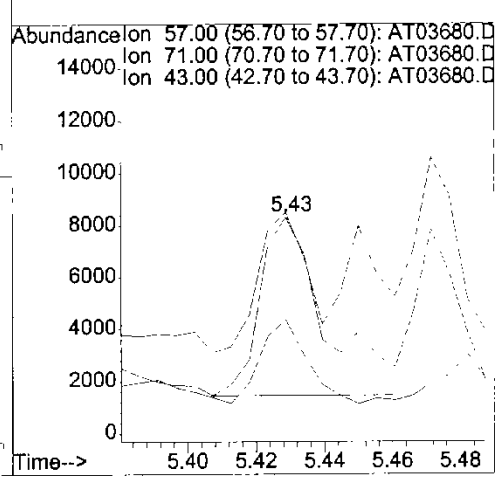




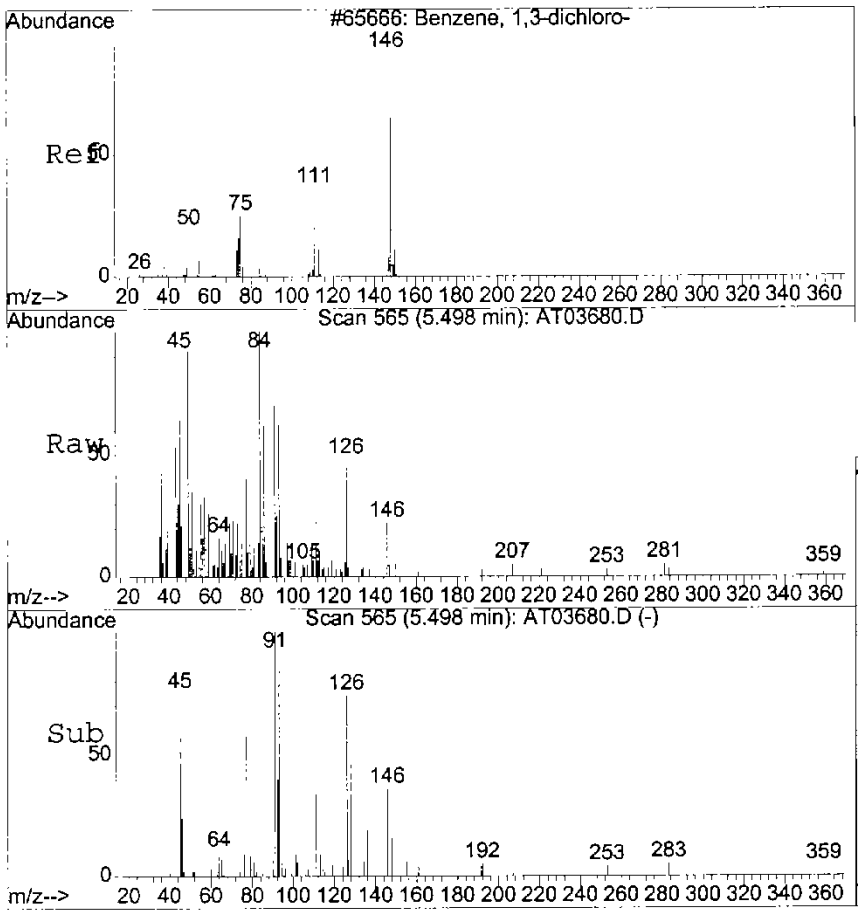
#12
Decane
Concen: 34.66 ul/L
RT: 5.43 min Scan# 552
Delta R.T. -0.00 min
Lab File: AT03680.D
Acq: 25 Feb 2005 5:05 pm

Tgt Ion: 57 Resp: 9213

Ion	Ratio	Lower	Upper
57	100		
71	33.1	13.9	73.9
43	57.5	48.7	108.7



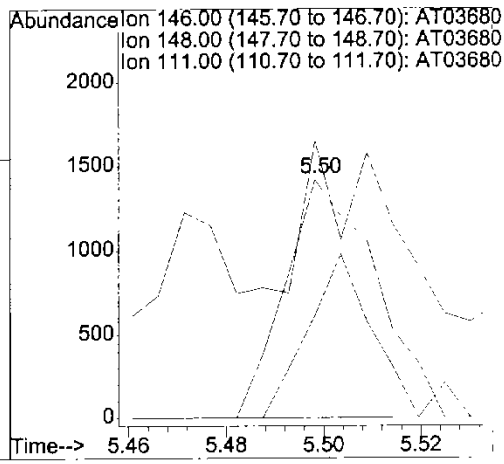
00517

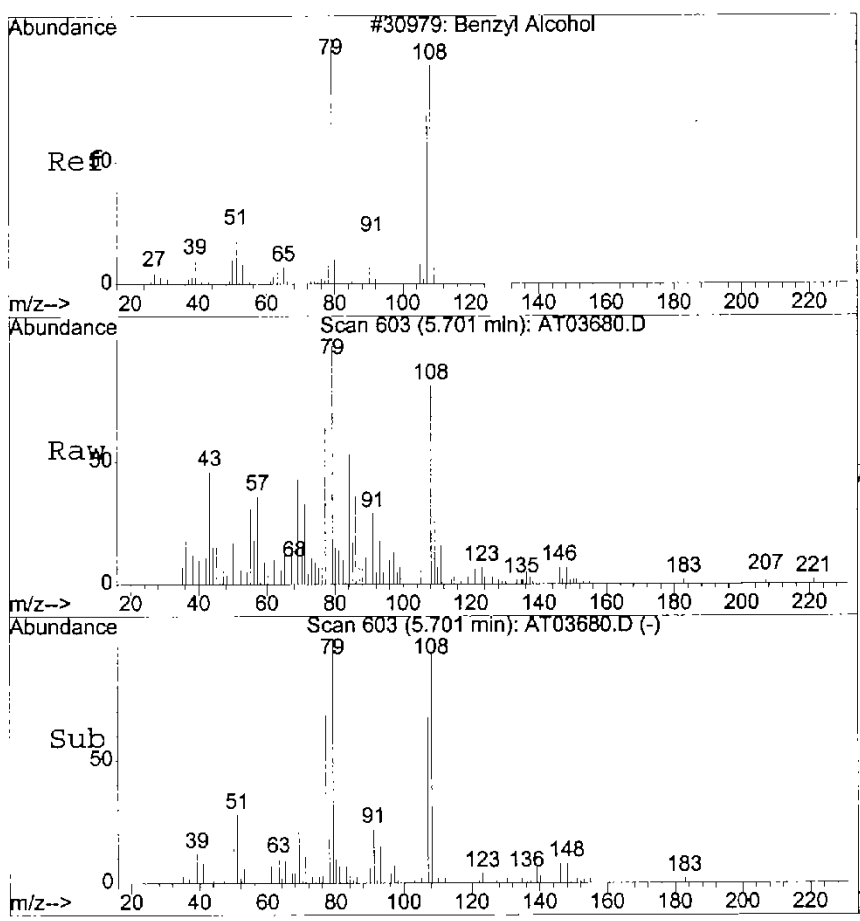


#13
1,3-Dichlorobenzene
Concen: 5.75 ug/L
RT: 5.50 min Scan# 565
Delta R.T. -0.01 min
Lab File: AT03680.D
Acq: 25 Feb 2005 5:05 pm

Tgt Ion:146 Resp: 1750

Ion	Ratio	Lower	Upper
146	100		
148	39.8	35.2	95.2
111	42.9	7.4	67.4

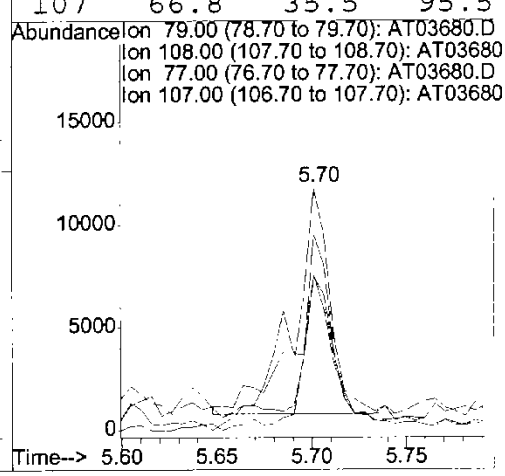




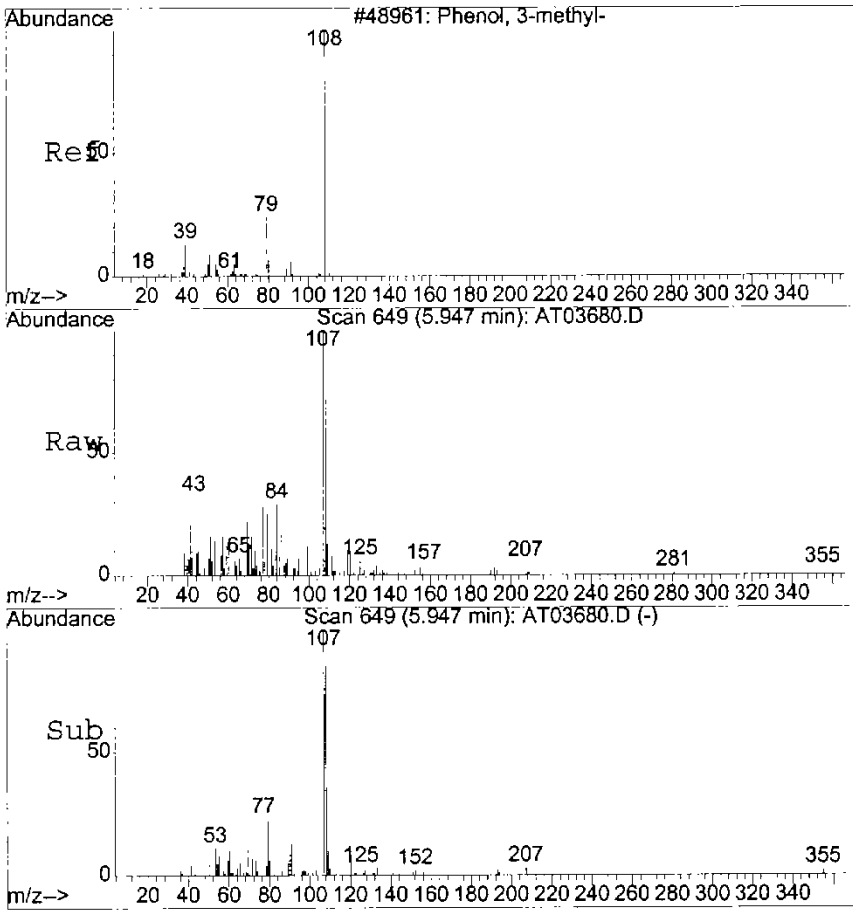
#15
Benzyl alcohol
Concen: 108.42 ug/L
RT: 5.70 min Scan# 603
Delta R.T. 0.00 min
Lab File: AT03680.D
Acq: 25 Feb 2005 5:05 pm

Tgt Ion: 79 Resp: 14064

Ion	Ratio	Lower	Upper
79	100		
108	85.4	62.2	122.2
77	62.7	29.8	89.8
107	66.8	35.5	95.5



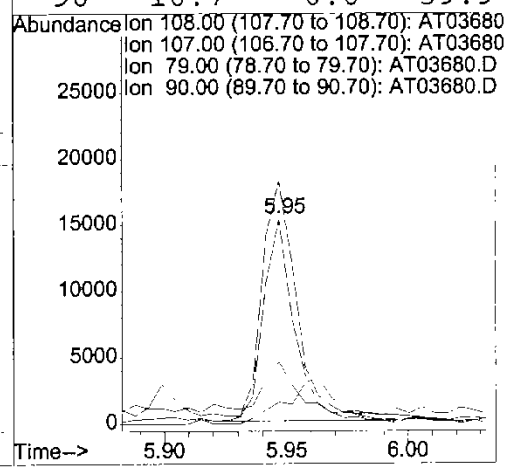
00518

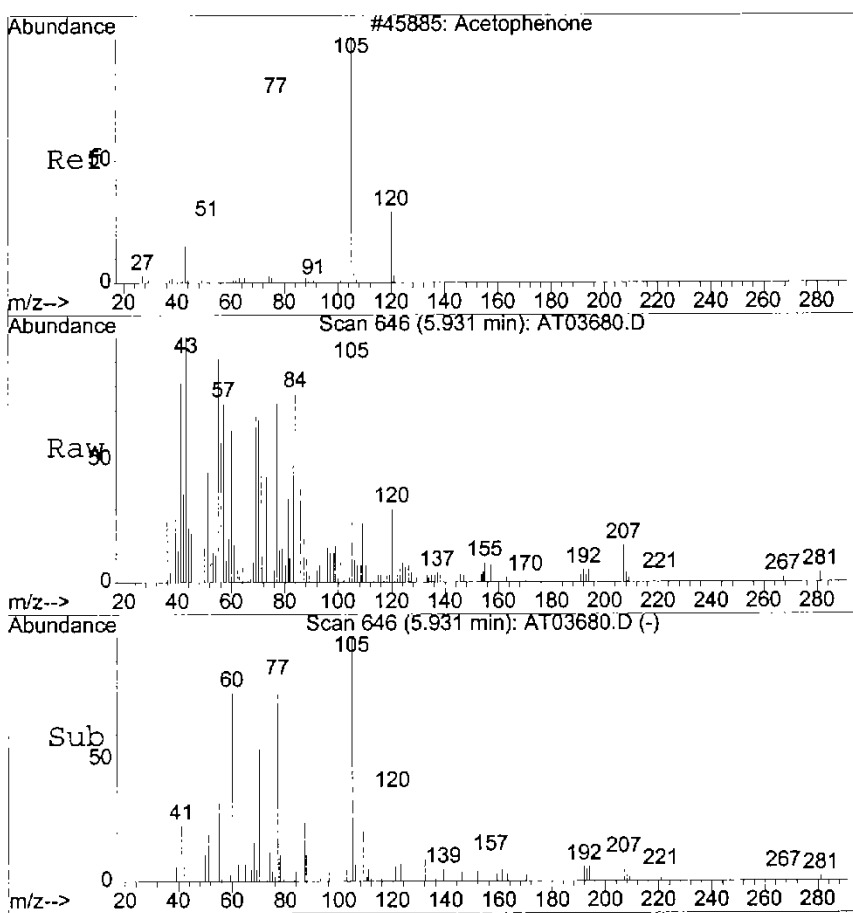


#19
3-&4-Methylphenol
Concen: 86.21 ug/L
RT: 5.95 min Scan# 649
Delta R.T. 0.01 min
Lab File: AT03680.D
Acq: 25 Feb 2005 5:05 pm

Tgt Ion:108 Resp: 13260

Ion	Ratio	Lower	Upper
108	100		
107	116.3	75.6	135.6
79	22.0	0.0	55.6
90	10.7	0.0	39.9

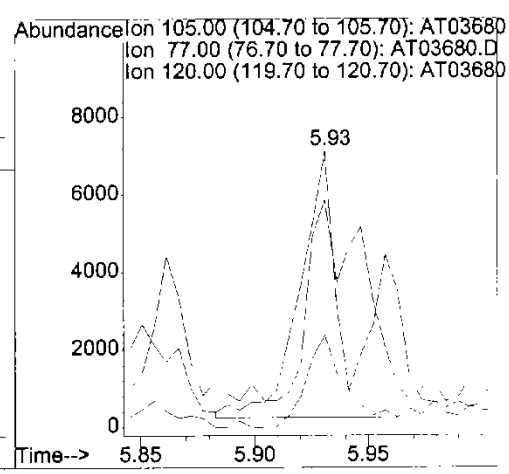




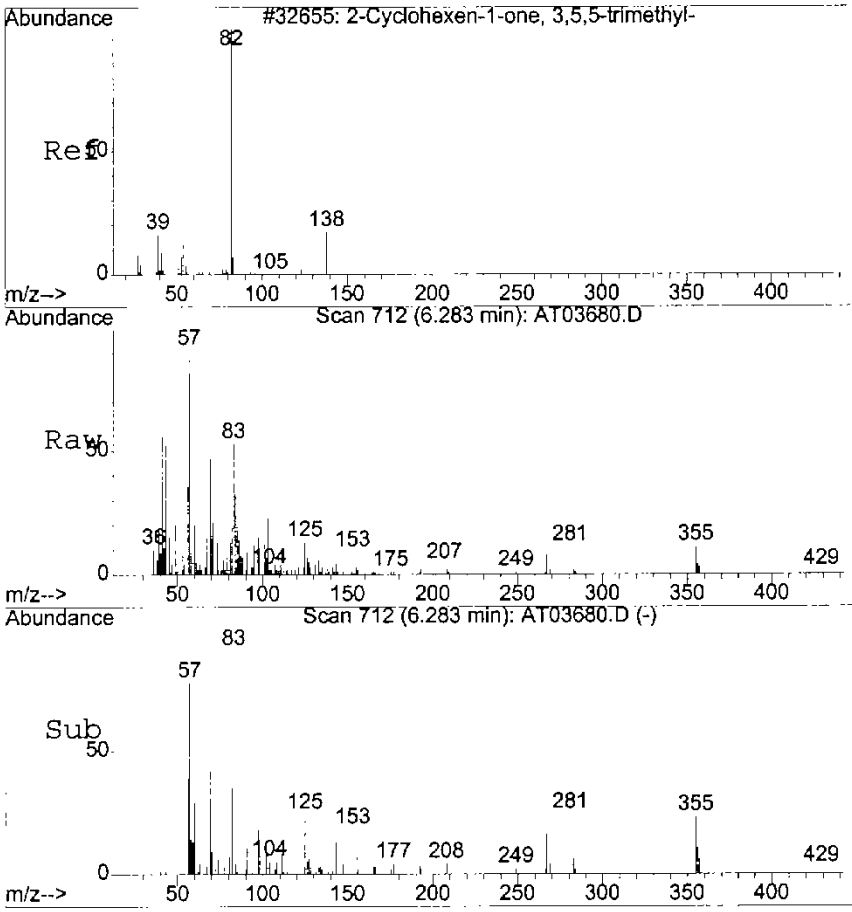
#21
Acetophenone
Concen: 28.19 ul/L
RT: 5.93 min Scan# 646
Delta R.T. 0.00 min
Lab File: AT03680.D
Acq: 25 Feb 2005 5:05 pm

Tgt Ion:105 Resp: 7443

Ion	Ratio	Lower	Upper
105	100		
77	113.5	78.1	138.1
120	32.5	0.5	60.5



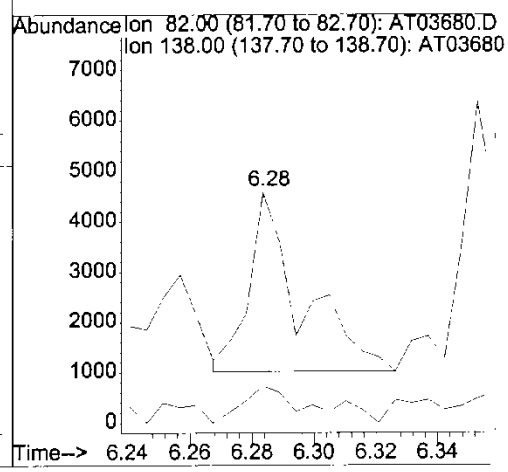
00519

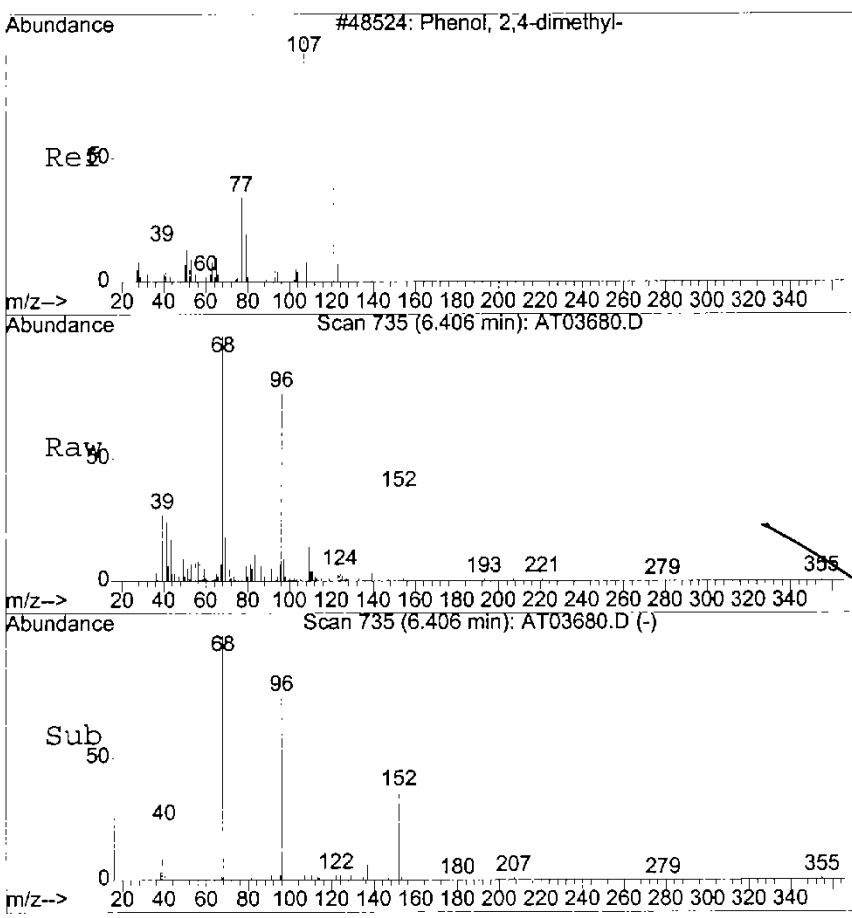


#26
Isophorone
Concen: 9.95 ug/L
RT: 6.28 min Scan# 712
Delta R.T. -0.00 min
Lab File: AT03680.D
Acq: 25 Feb 2005 5:05 pm

Tgt Ion: 82 Resp: 4137

Ion	Ratio	Lower	Upper
82	100		
138	14.7	0.0	51.7

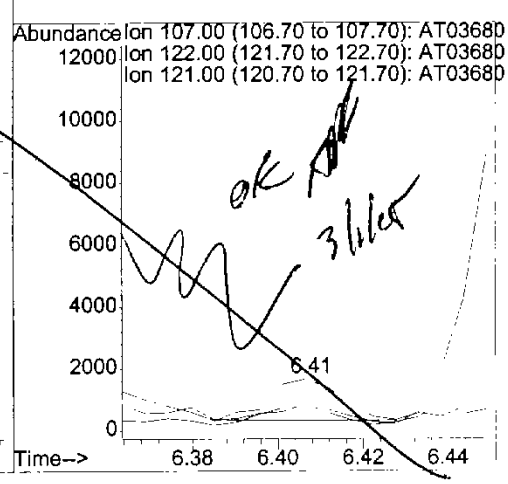




#28
2,4-Dimethylphenol
Concen: 35.60 ug/L
RT: 6.41 min Scan# 735
Delta R.T. 0.01 min
Lab File: AT03680.D
Acq: 25 Feb 2005 5:05 pm

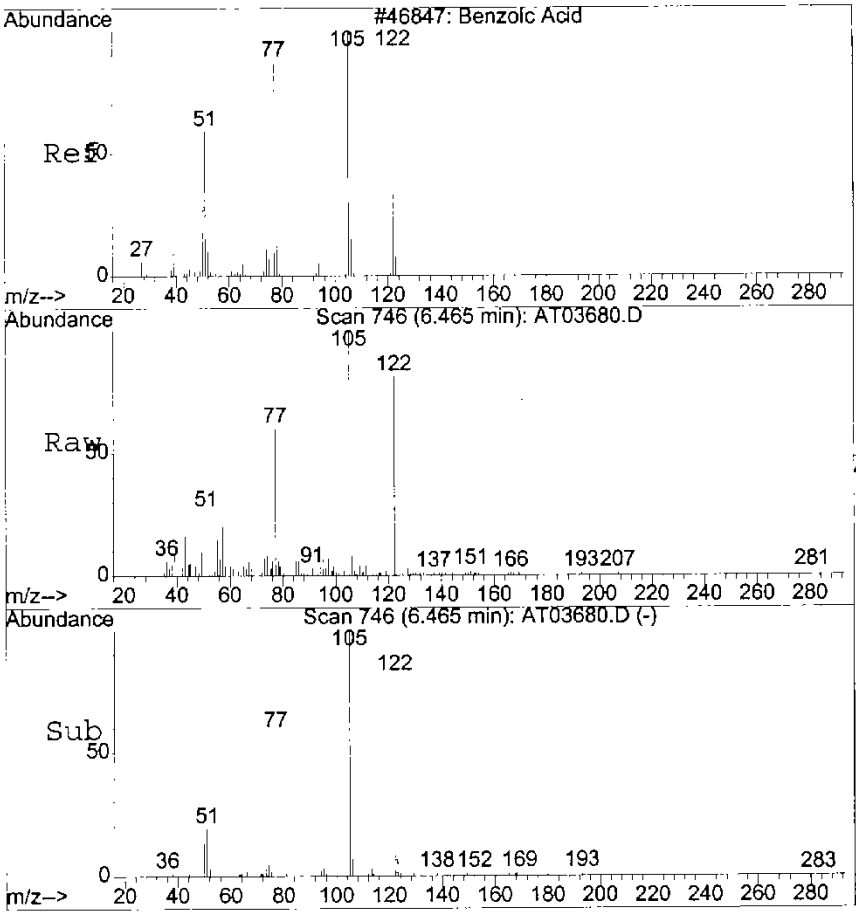
Tgt Ion:107 Resp: 1547

Ion	Ratio	Lower	Upper
107	100		
122	66.9	55.5	115.5
121	40.4	23.6	83.6



ok
3/1/05

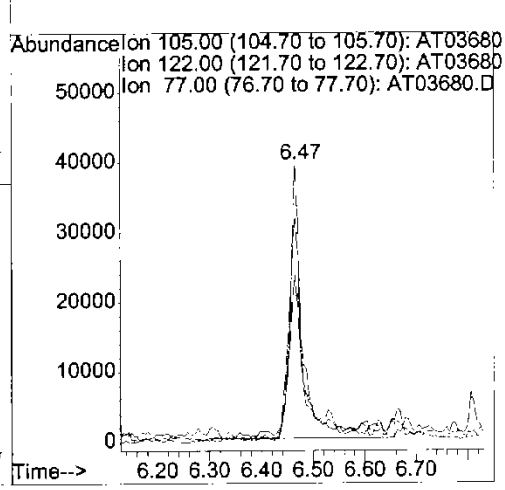
00520

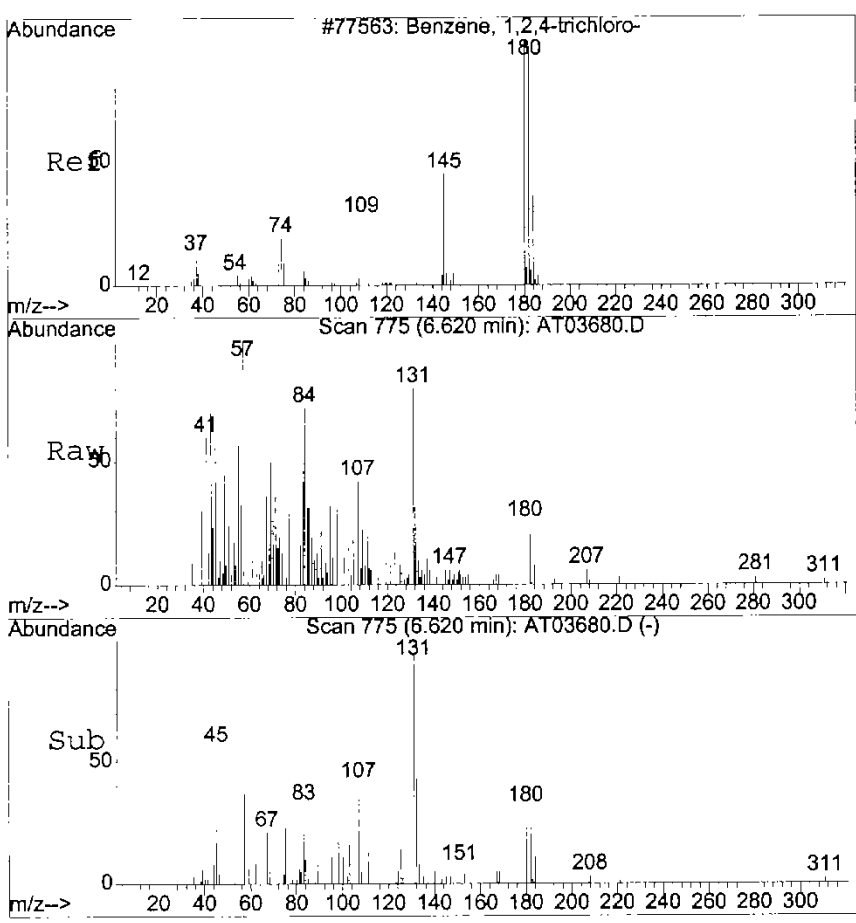


#30
Benzoic Acid
Concen: 1032.12 ug/L
RT: 6.47 min Scan# 746
Delta R.T. -0.04 min
Lab File: AT03680.D
Acq: 25 Feb 2005 5:05 pm

Tgt Ion:105 Resp: 77360

Ion	Ratio	Lower	Upper
105	100		
122	83.2	58.0	118.0
77	55.9	34.2	94.2

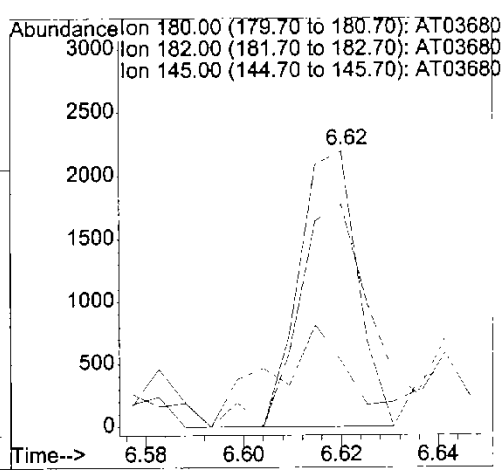




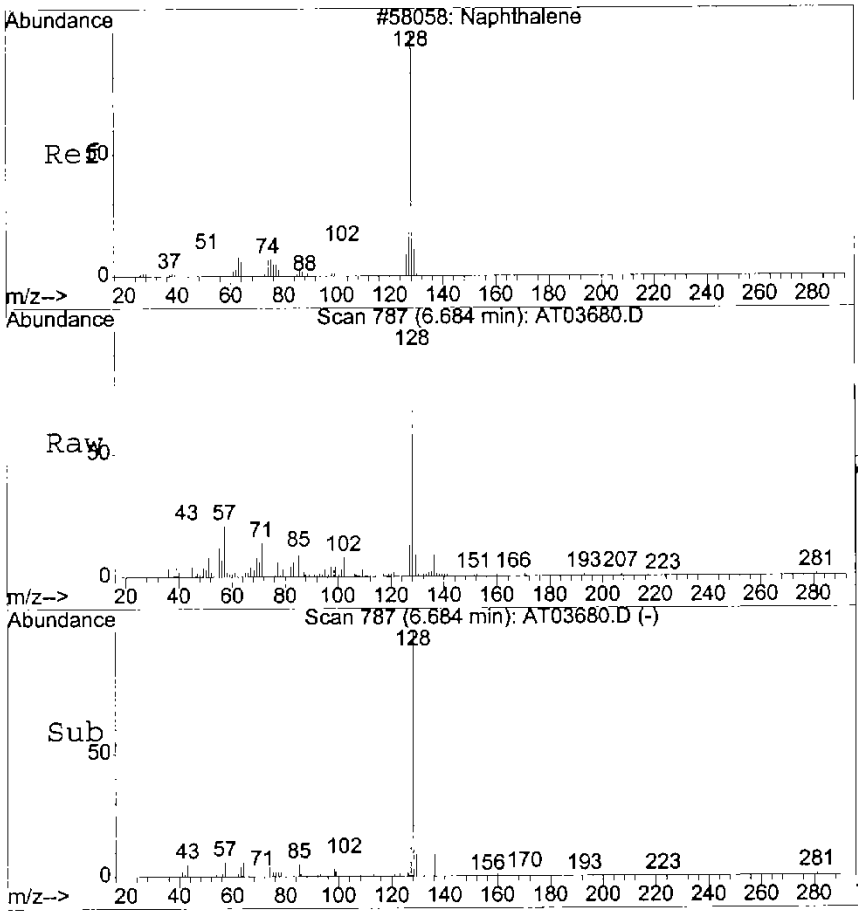
#32
1,2,4-Trichlorobenzene
Concen: 7.32 ug/L
RT: 6.62 min Scan# 775
Delta R.T. -0.00 min
Lab File: AT03680.D
Acq: 25 Feb 2005 5:05 pm

Tgt Ion:180 Resp: 1888

Ion	Ratio	Lower	Upper
180	100		
182	71.4	67.2	127.2
145	19.3	0.0	57.2



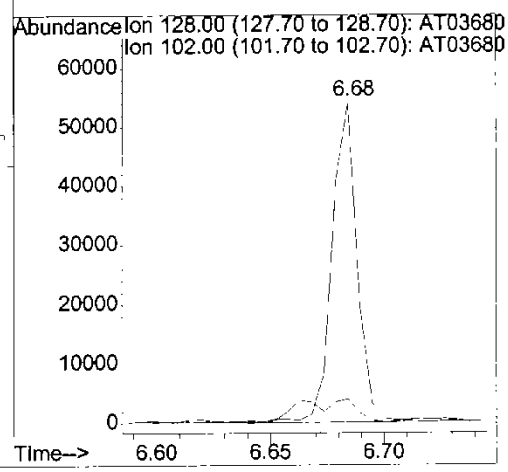
00521

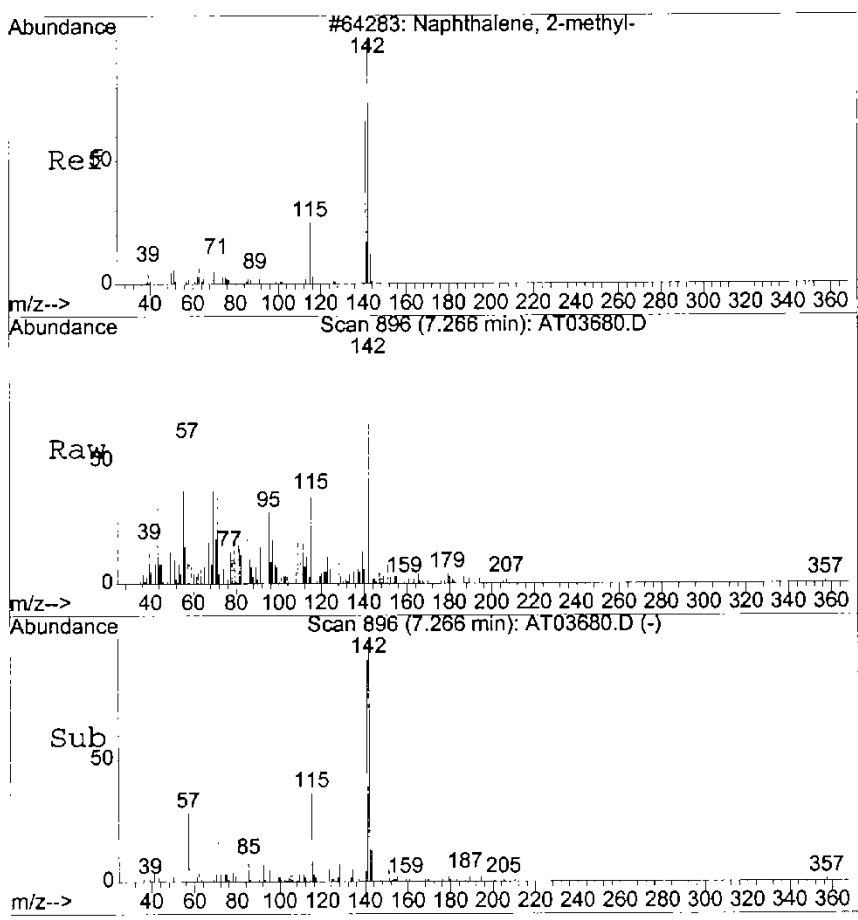


#33
Naphthalene
Concen: 53.73 ug/L
RT: 6.68 min Scan# 787
Delta R.T. 0.00 min
Lab File: AT03680.D
Acq: 25 Feb 2005 5:05 pm

Tgt Ion:128 Resp: 41814

Ion	Ratio	Lower	Upper
128	100		
102	7.1	0.0	37.8

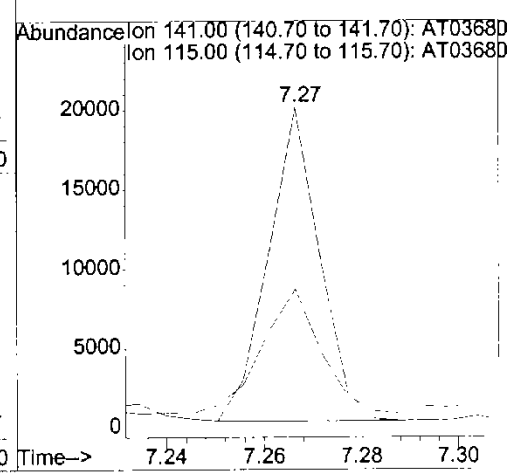


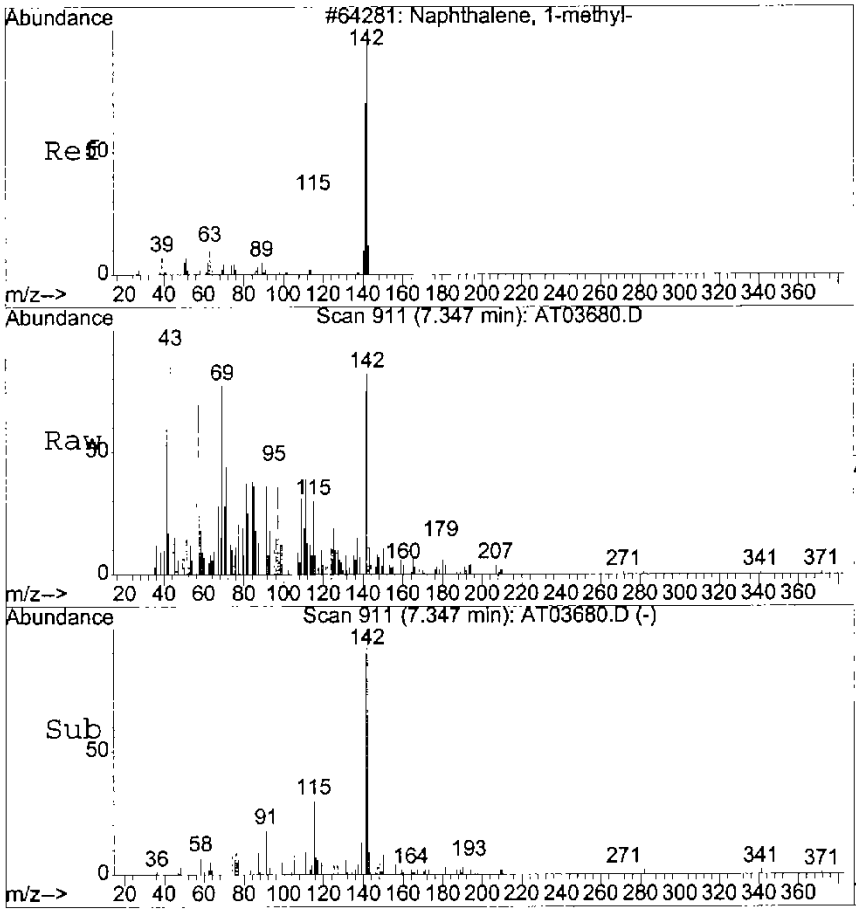


#37
2-Methylnaphthalene
Concen: 34.90 ug/L
RT: 7.27 min Scan# 896
Delta R.T. 0.01 min
Lab File: AT03680.D
Acq: 25 Feb 2005 5:05 pm

Tgt Ion:141 Resp: 14390

Ion	Ratio	Lower	Upper
141	100		
115	38.4	2.2	62.2

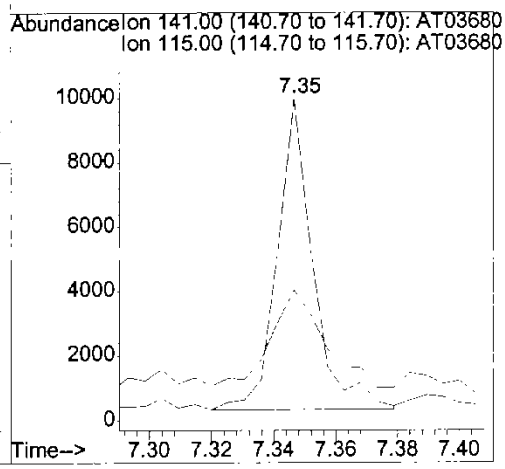


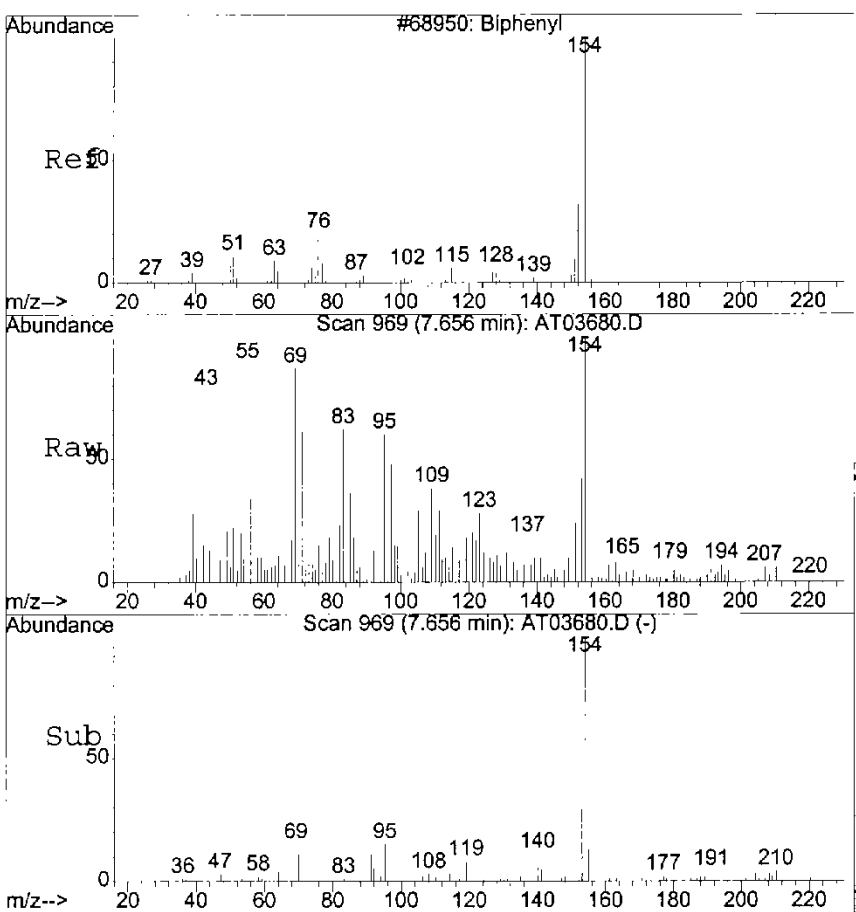


#38
1-Methylnaphthalene
Concen: 17.90 ul/l
RT: 7.35 min Scan# 911
Delta R.T. 0.00 min
Lab File: AT03680.D
Acq: 25 Feb 2005 5:05 pm

Tgt Ion:141 Resp: 7691

Ion	Ratio	Lower	Upper
141	100		
115	31.2	2.6	62.6

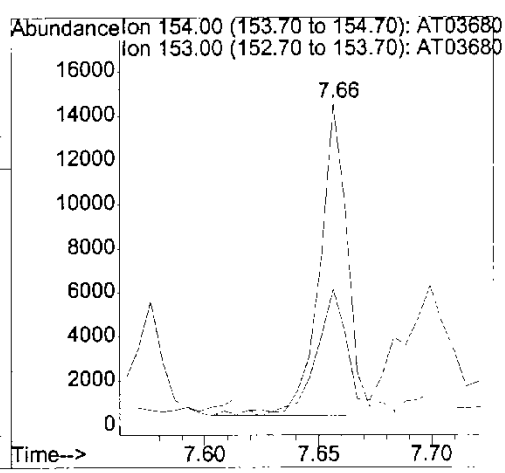


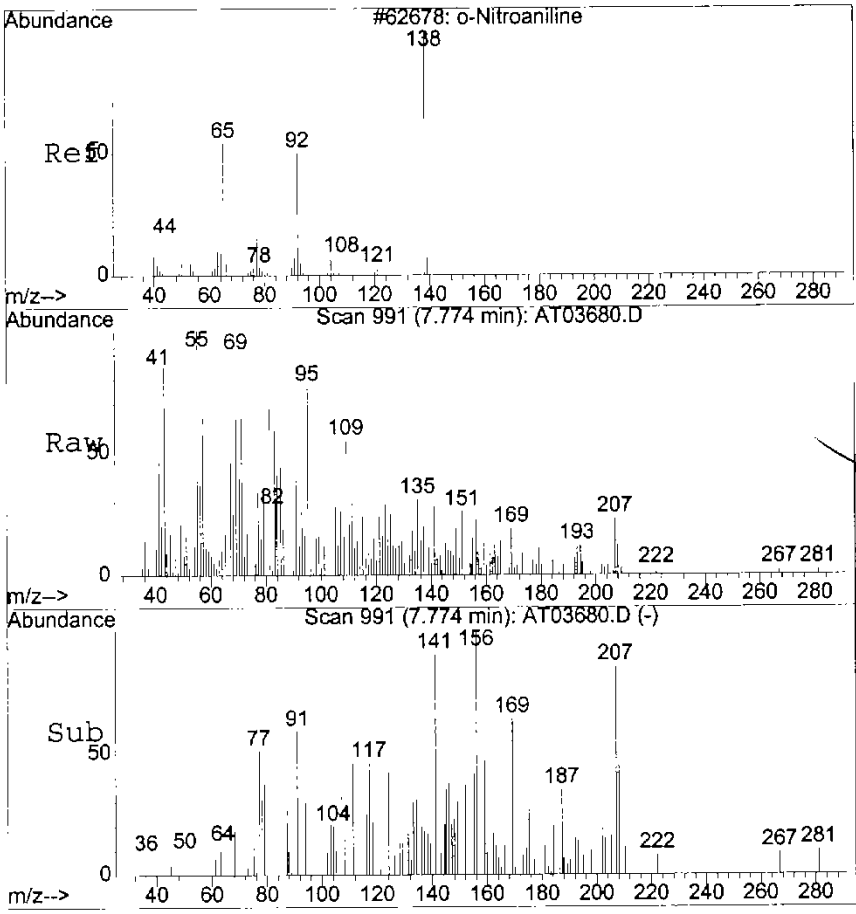


#46
Biphenyl
Concen: 20.16 ul/L
RT: 7.66 min Scan# 969
Delta R.T. -0.01 min
Lab File: AT03680.D
Acq: 25 Feb 2005 5:05 pm

Tgt Ion:154 Resp: 12301

Ion	Ratio	Lower	Upper
154	100		
153	45.1	9.4	69.4

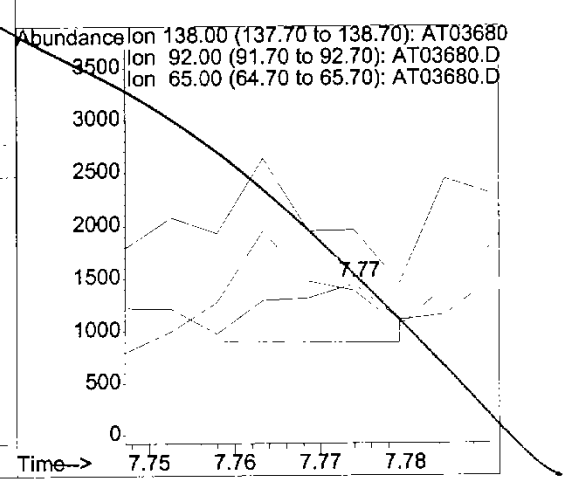


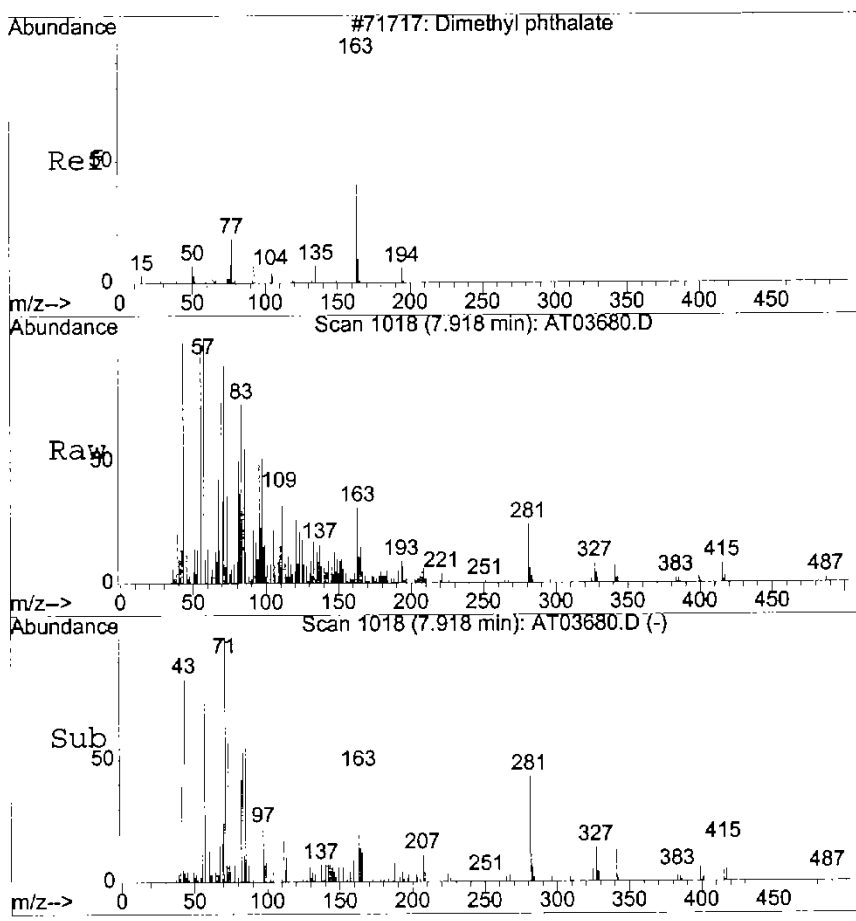


#47
2-Nitroaniline
Concen: 25.03 ug/L
RT: 7.77 min Scan# 991
Delta R.T. 0.01 min
Lab File: AT03680.D
Acq: 25 Feb 2005 5:05 pm

Tgt Ion:138 Resp: 511

Ion	Ratio	Lower	Upper
138	100		
92	56.2	17.9	77.9
65	66.5	27.4	87.4

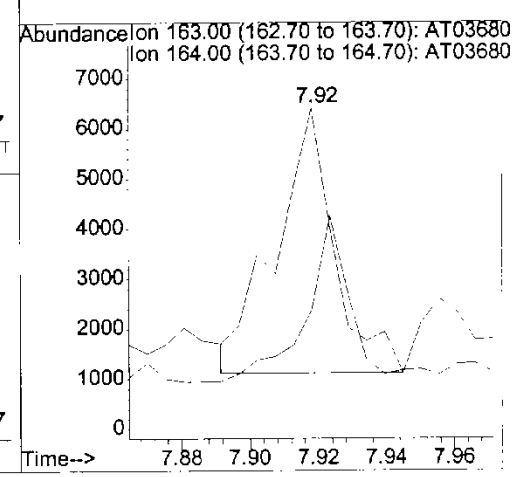


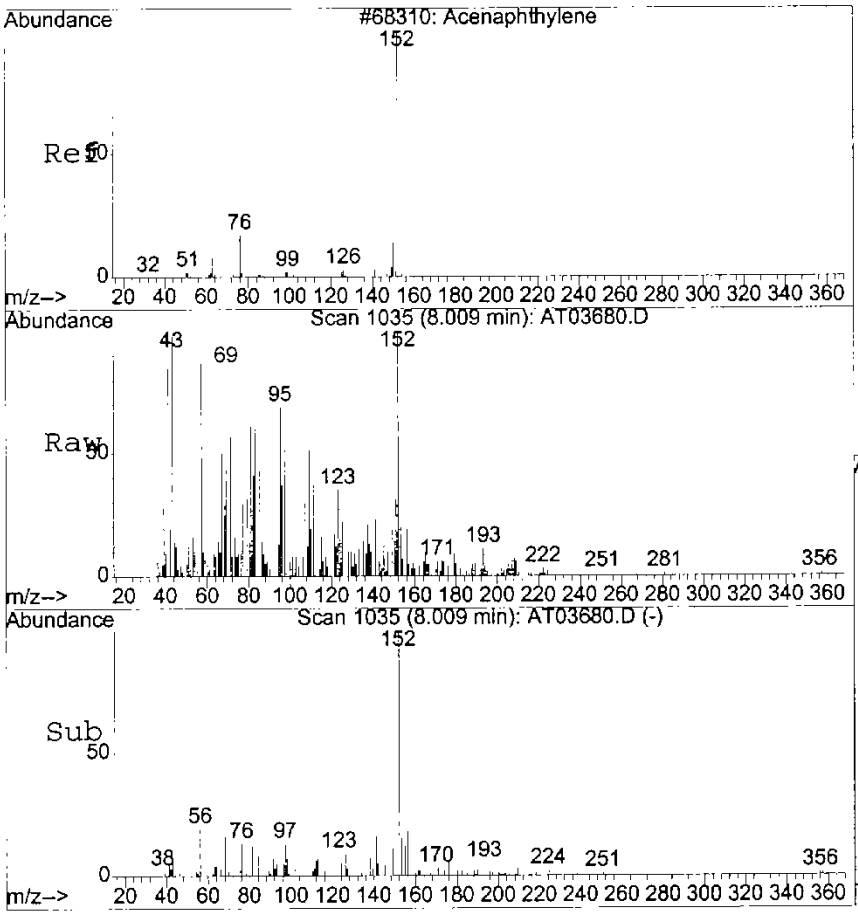


#48
Dimethylphthalate
Concen: 12.24 ug/L
RT: 7.92 min Scan# 1018
Delta R.T. -0.00 min
Lab File: AT03680.D
Acq: 25 Feb 2005 5:05 pm

Tgt Ion:163 Resp: 6257

Ion	Ratio	Lower	Upper
163	100		
164	26.3	0.0	40.0

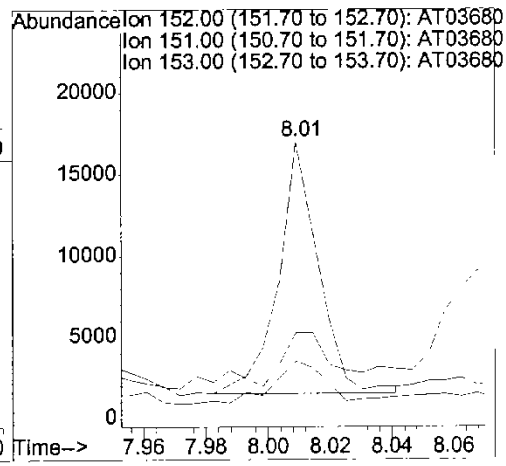


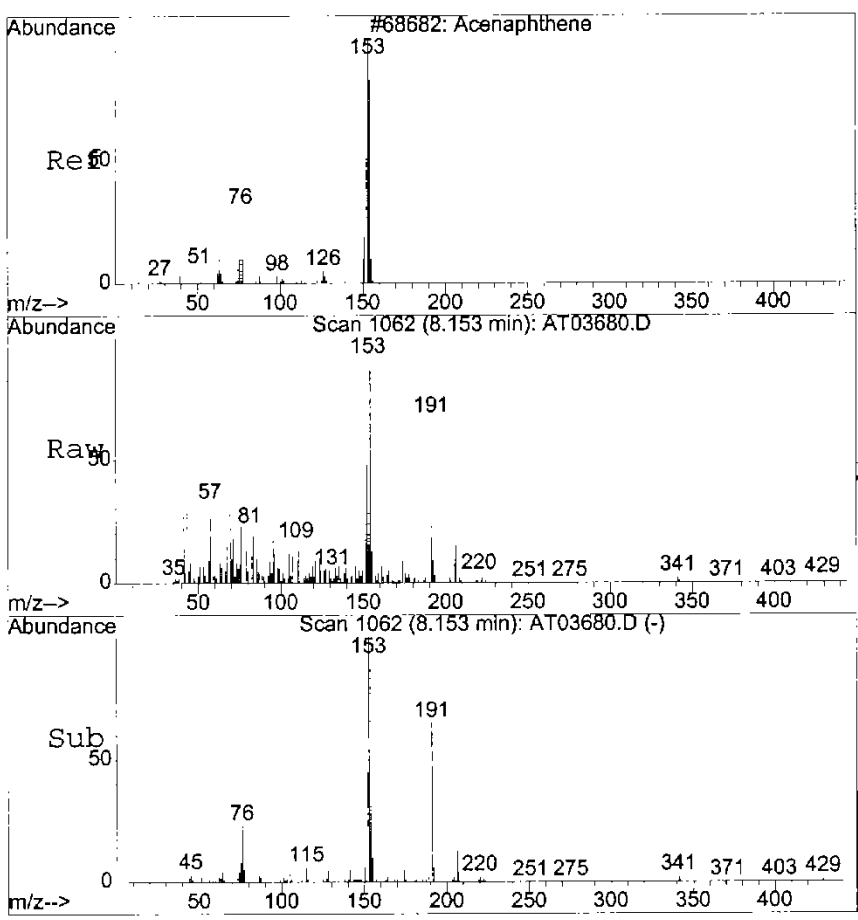


#49
Acenaphthylene
Concen: 18.54 ug/L
RT: 8.01 min Scan# 1035
Delta R.T. -0.01 min
Lab File: AT03680.D
Acq: 25 Feb 2005 5:05 pm

Tgt Ion:152 Resp: 13917

Ion	Ratio	Lower	Upper
152	100		
151	17.3	0.0	49.4
153	15.2	0.0	43.0

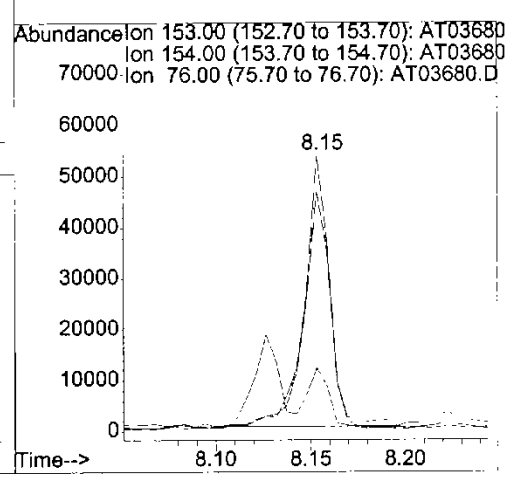


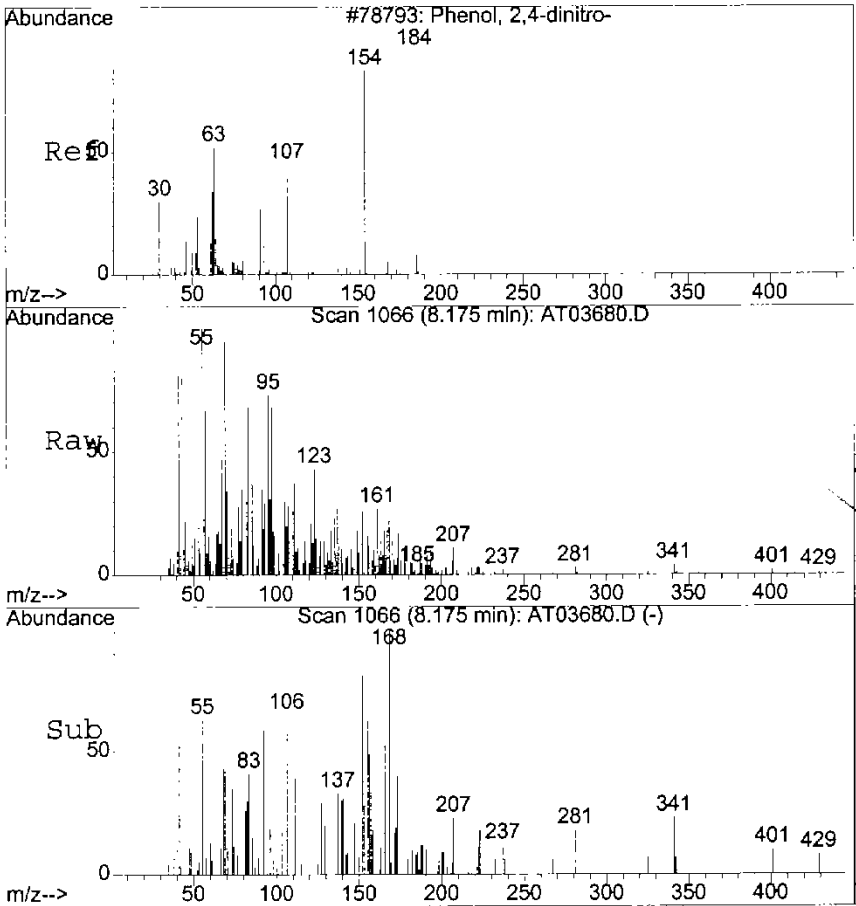


#52
Acenaphthene
Concen: 100.92 ug/L
RT: 8.15 min Scan# 1062
Delta R.T. -0.00 min
Lab File: AT03680.D
Acq: 25 Feb 2005 5:05 pm

Tgt Ion:153 Resp: 49838

Ion	Ratio	Lower	Upper
153	100		
154	86.9	53.5	113.5
76	22.4	0.0	50.2

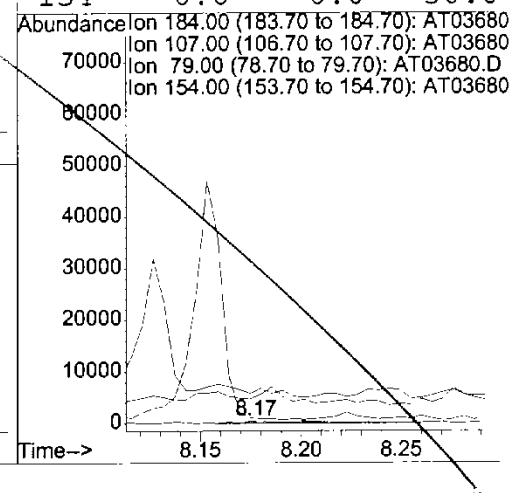


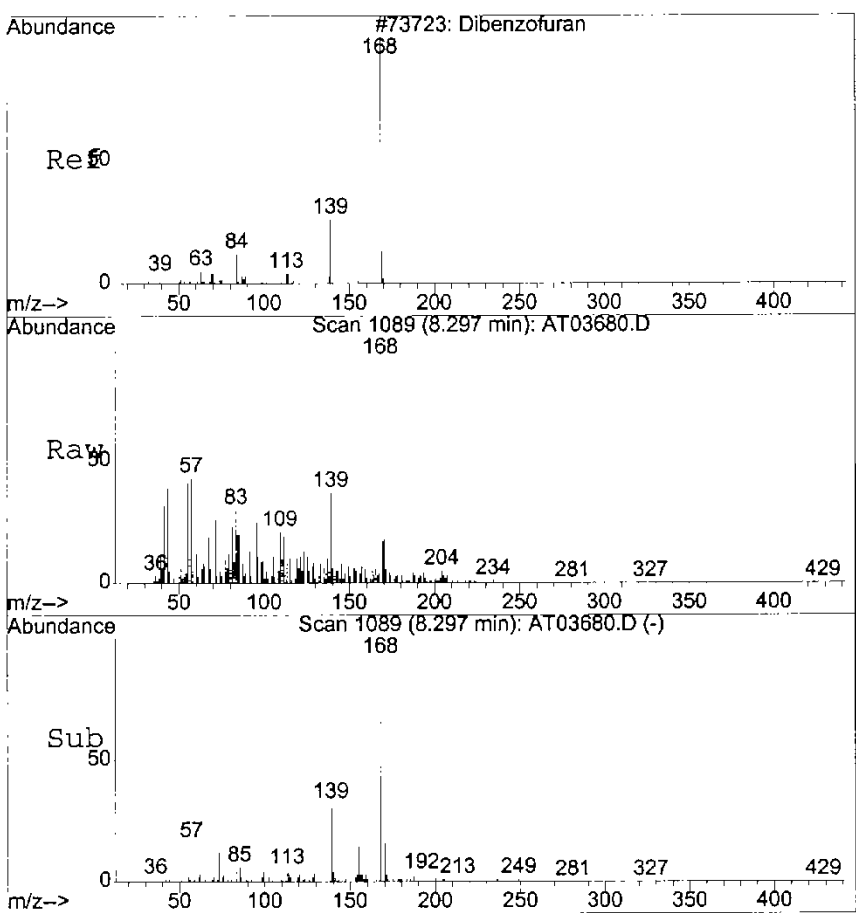


#53
2,4-Dinitrophenol
Concen: 363.67 ug/L
RT: 8.17 min Scan# 1066
Delta R.T. -0.02 min
Lab File: AT03680.D
Acq: 25 Feb 2005 5:05 pm

Tgt Ion:184 Resp: 1163

Ion	Ratio	Lower	Upper
184	100		
107	0.0	0.0	58.6
79	0.0	0.0	48.2
154	0.0	0.0	30.0

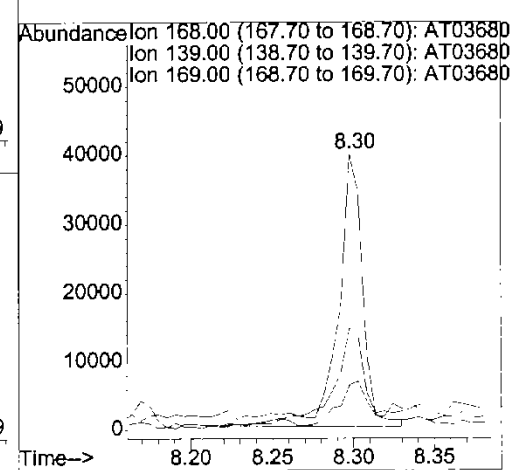


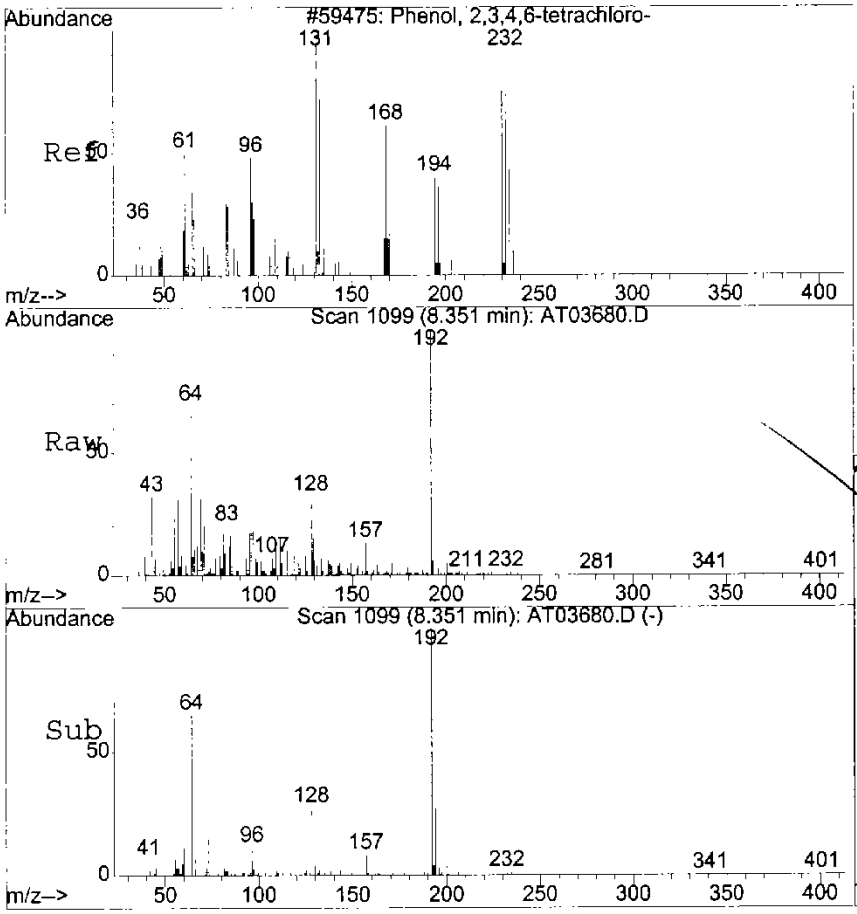


#55
Dibenzofuran
Concen: 63.25 ug/L
RT: 8.30 min Scan# 1089
Delta R.T. -0.00 min
Lab File: AT03680.D
Acq: 25 Feb 2005 5:05 pm

Tgt Ion:168 Resp: 41850

Ion	Ratio	Lower	Upper
168	100		
139	31.7	0.6	60.6
169	12.1	0.0	42.8

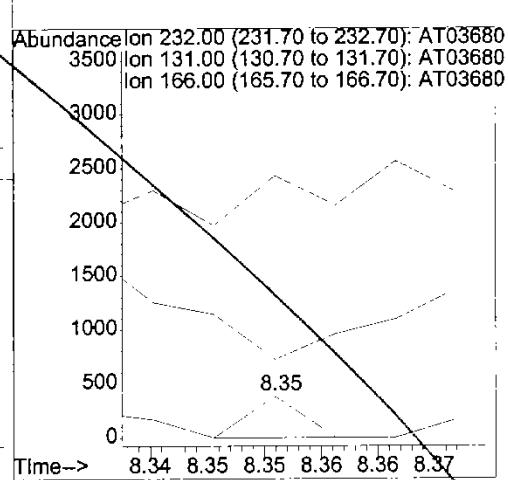


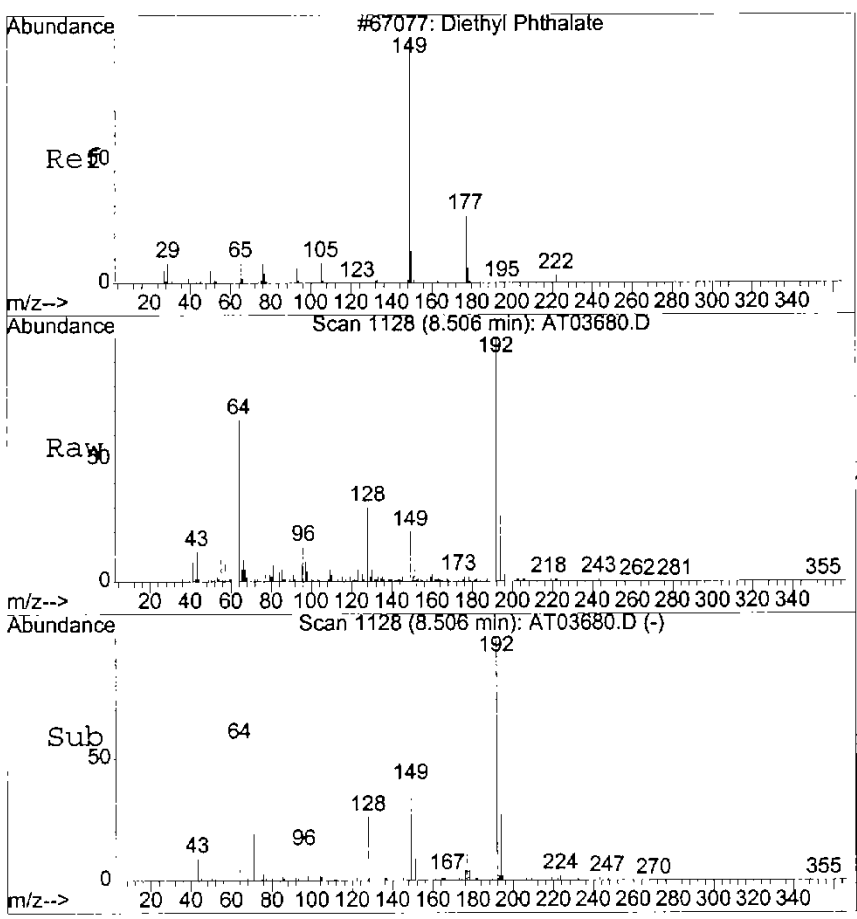


#57
2,3,4,6-Tetrachlorophenol
Concen: 51.86 ug/L
RT: 8.35 min Scan# 1099
Delta R.T. -0.02 min
Lab File: AT03680.D
Acq: 25 Feb 2005 5:05 pm

Tgt Ion:232 Resp: 121

Ion	Ratio	Lower	Upper
232	100		
131	43.5	2.5	62.5
166	0.0	0.0	51.5

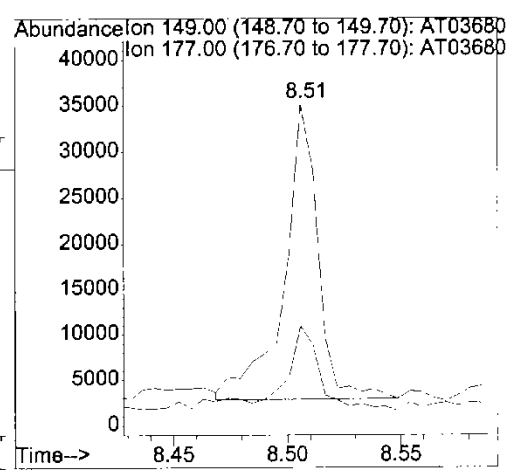


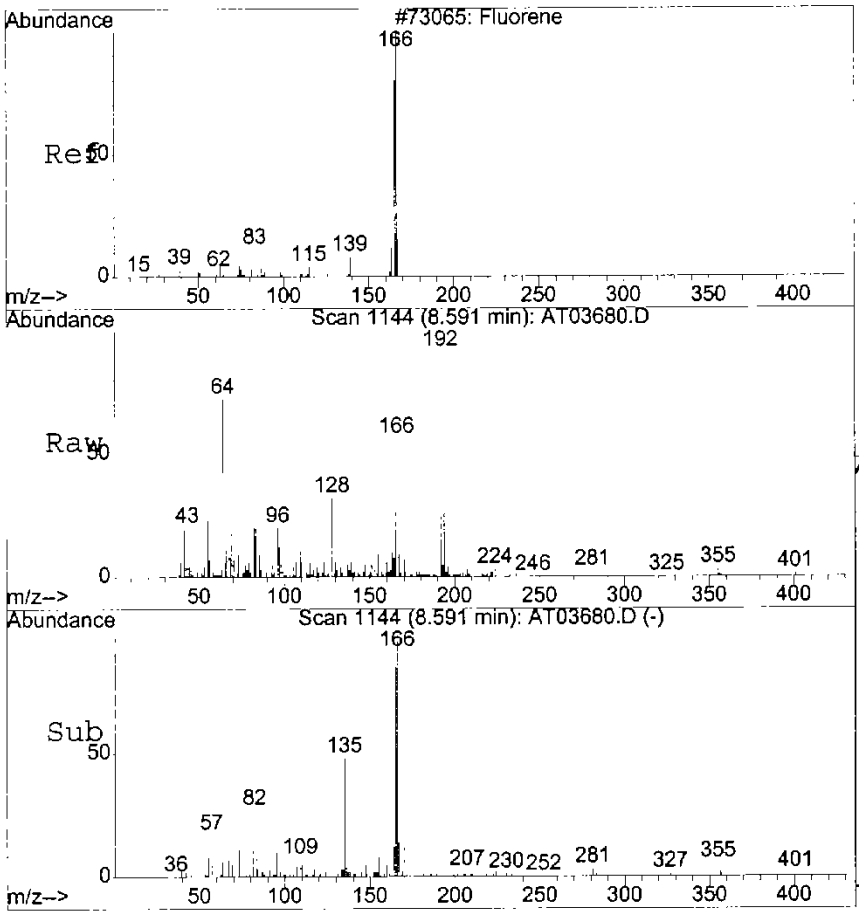


#59
Diethylphthalate
Concen: 62.27 ug/L
RT: 8.51 min Scan# 1128
Delta R.T. -0.00 min
Lab File: AT03680.D
Acq: 25 Feb 2005 5:05 pm

Tgt Ion:149 Resp: 33654

Ion	Ratio	Lower	Upper
149	100		
177	27.7	0.0	53.1

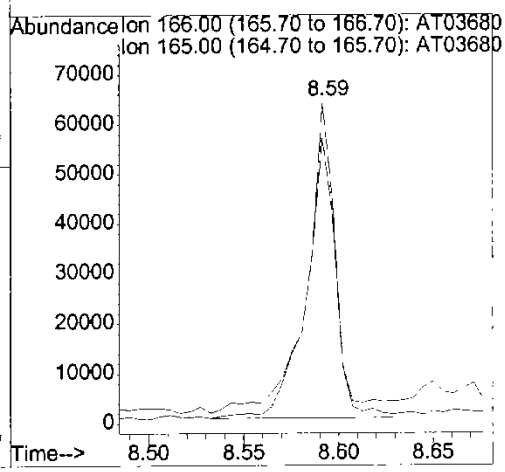


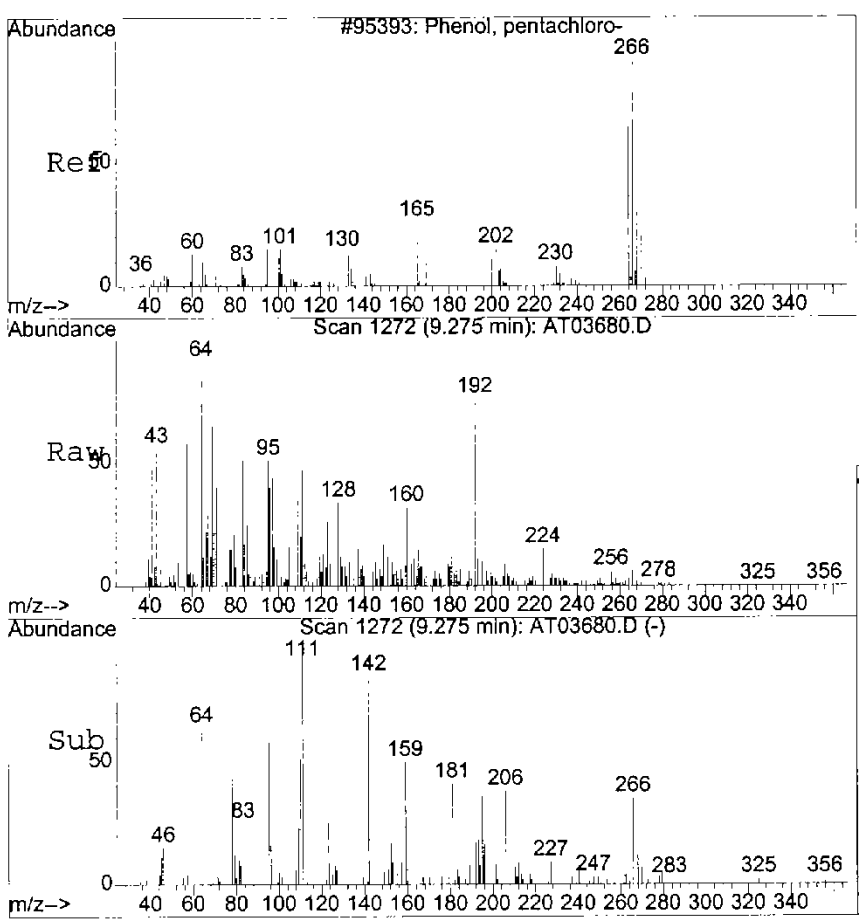


#60
Fluorene
Concen: 126.15 ug/L
RT: 8.59 min Scan# 1144
Delta R.T. -0.01 min
Lab File: AT03680.D
Acq: 25 Feb 2005 5:05 pm

Tgt Ion:166 Resp: 64229

Ion	Ratio	Lower	Upper
166	100		
165	85.7	65.1	125.1

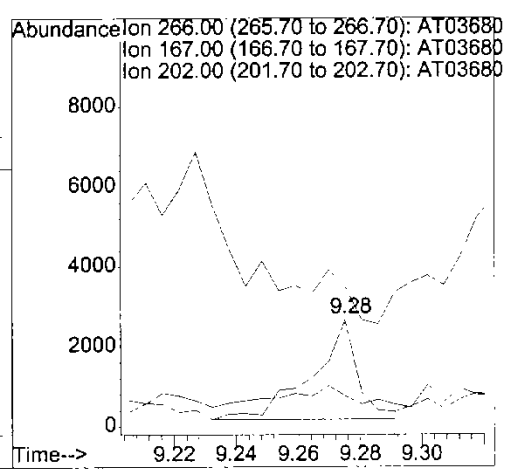


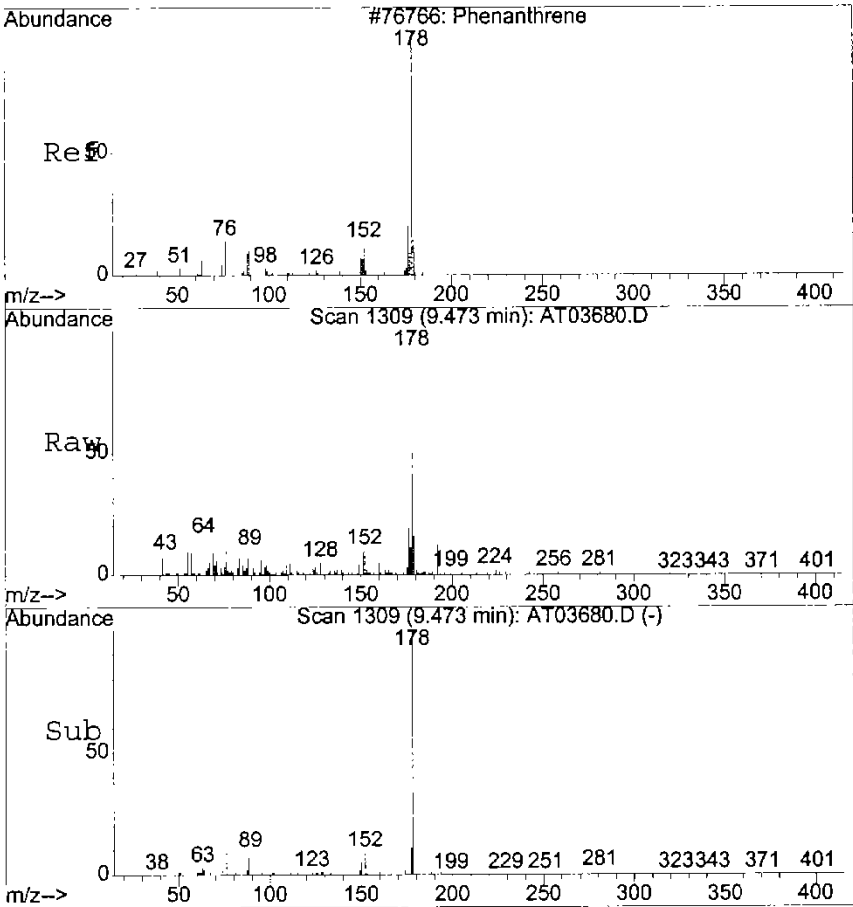


#70
Pentachlorophenol
Concen: 28.17 ug/L
RT: 9.28 min Scan# 1272
Delta R.T. 0.00 min
Lab File: AT03680.D
Acq: 25 Feb 2005 5:05 pm

Tgt Ion:266 Resp: 2531

Ion	Ratio	Lower	Upper
266	100		
167	0.0	0.0	59.5
202	10.0	0.0	48.3

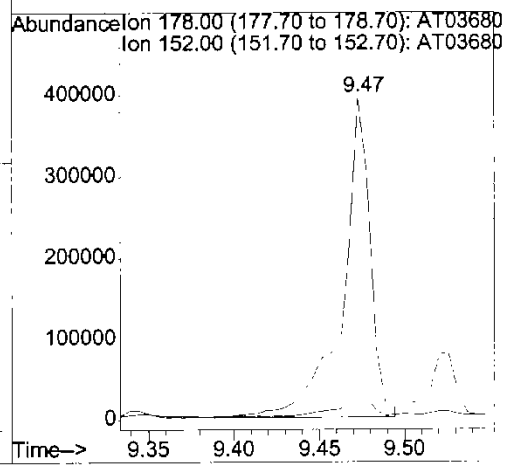


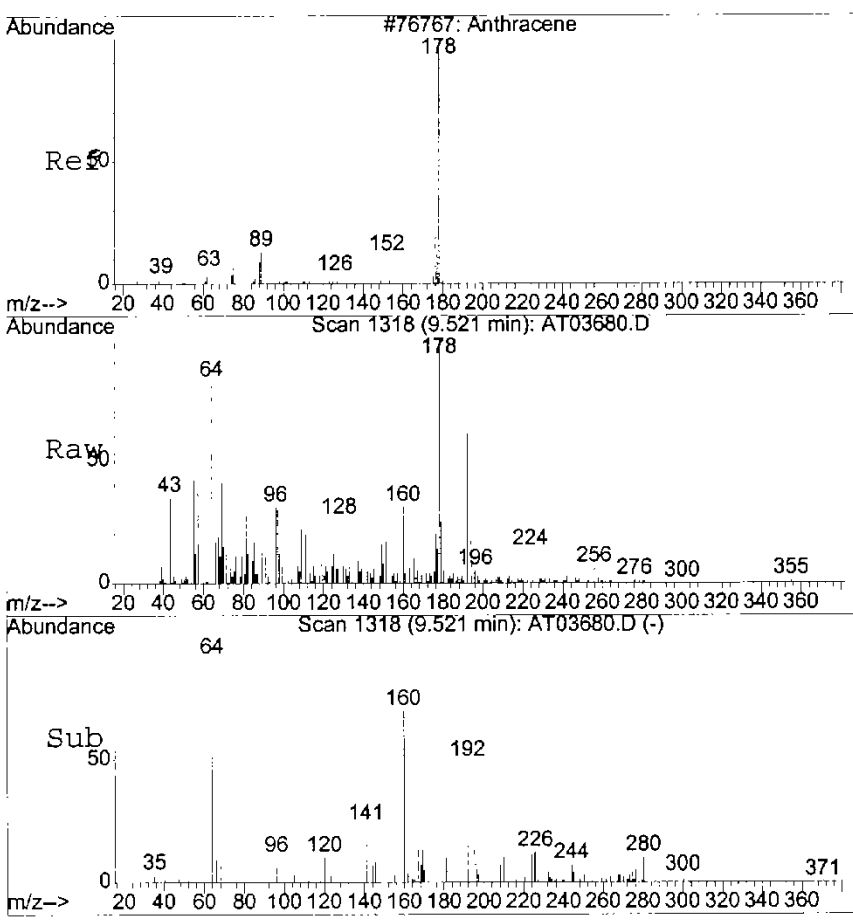


#71
Phenanthrene
Concen: 552.94 ug/L
RT: 9.47 min Scan# 1309
Delta R.T. 0.00 min
Lab File: AT03680.D
Acq: 25 Feb 2005 5:05 pm

Tgt Ion:178 Resp: 449021

Ion	Ratio	Lower	Upper
178	100		
152	8.6	0.0	39.1

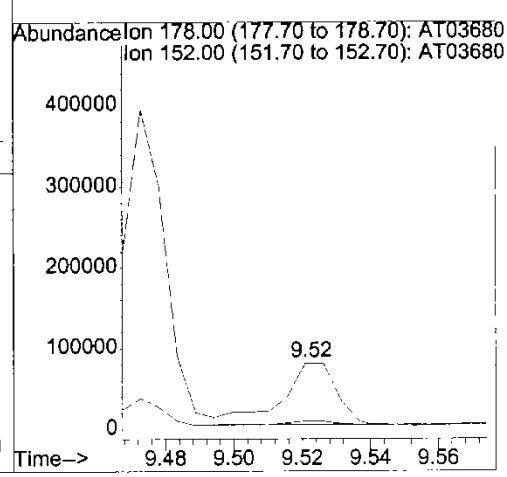


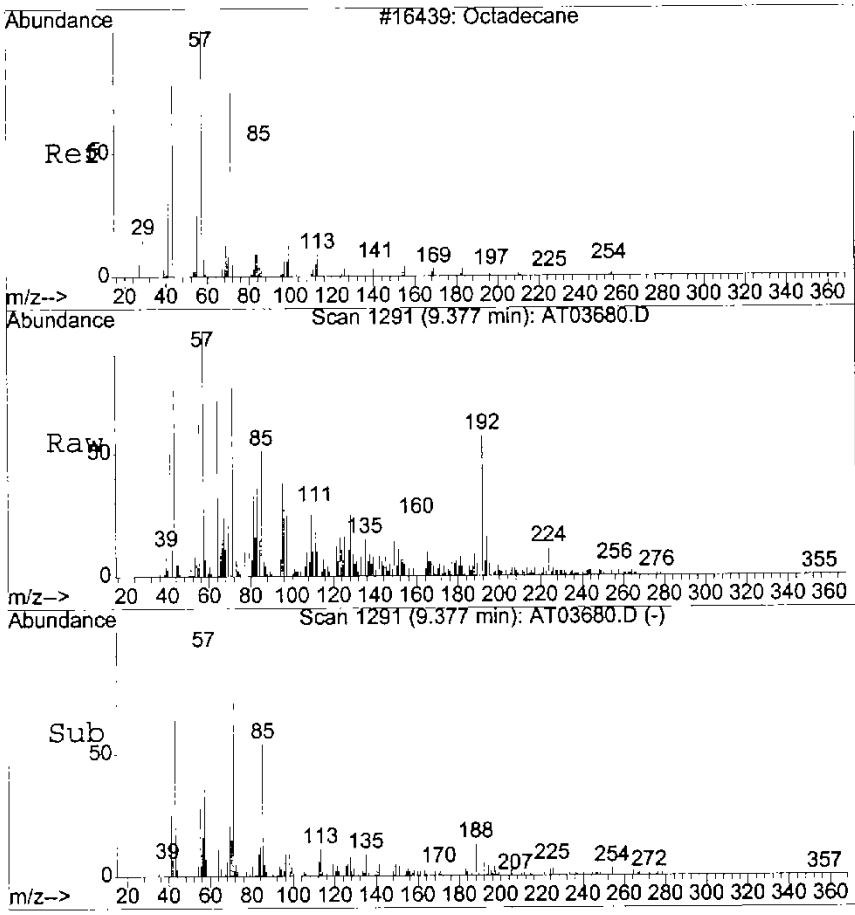


#72
Anthracene
Concen: 114.01 ug/L
RT: 9.52 min Scan# 1318
Delta R.T. 0.00 min
Lab File: AT03680.D
Acq: 25 Feb 2005 5:05 pm

Tgt Ion:178 Resp: 83972

Ion	Ratio	Lower	Upper
178	100		
152	5.8	0.0	37.3

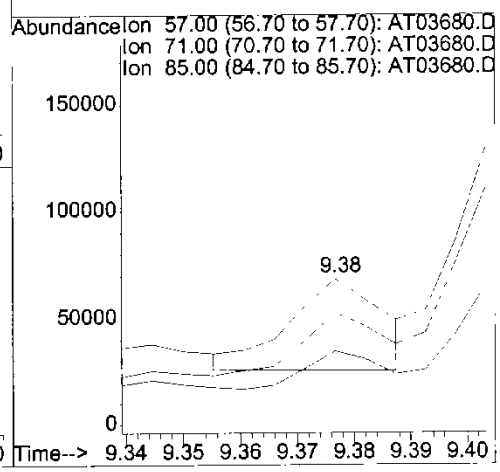


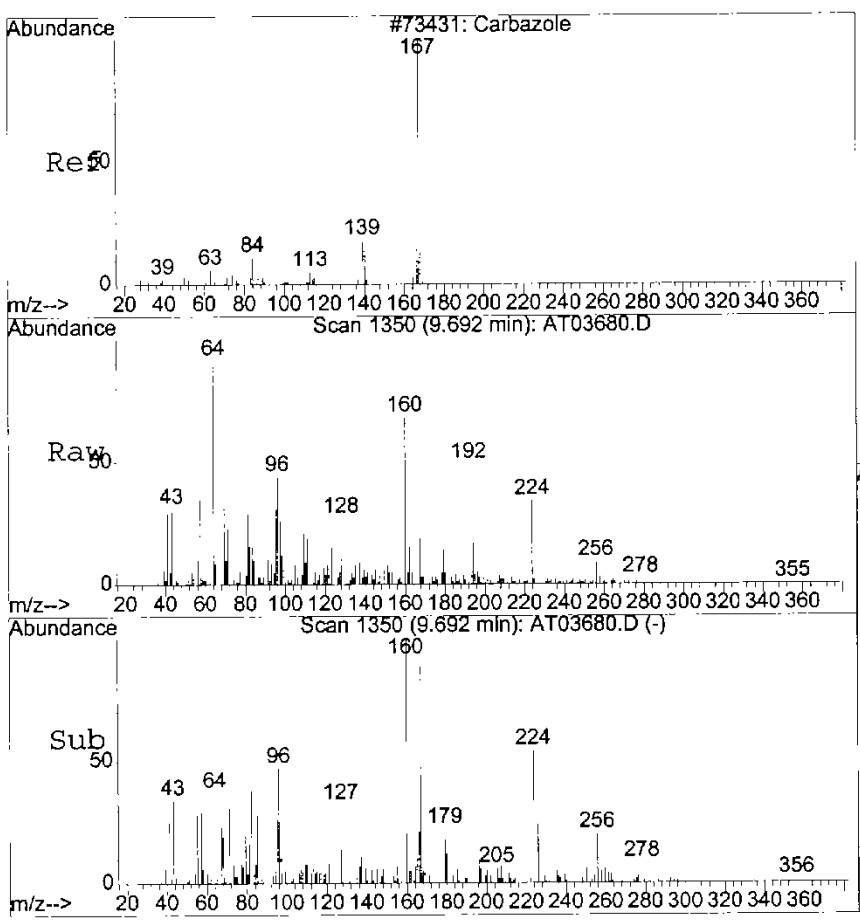


#73
Octadecane
Concen: 208.27 ul/L
RT: 9.38 min Scan# 1291
Delta R.T. 0.00 min
Lab File: AT03680.D
Acq: 25 Feb 2005 5:05 pm

Tgt Ion: 57 Resp: 49082

Ion	Ratio	Lower	Upper
57	100		
71	82.5	52.7	97.9
85	49.7	37.5	69.7

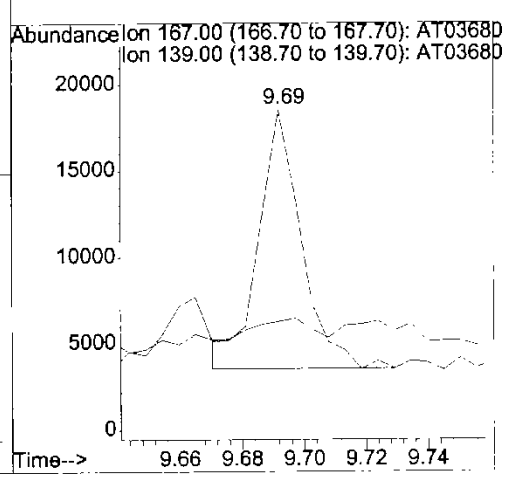


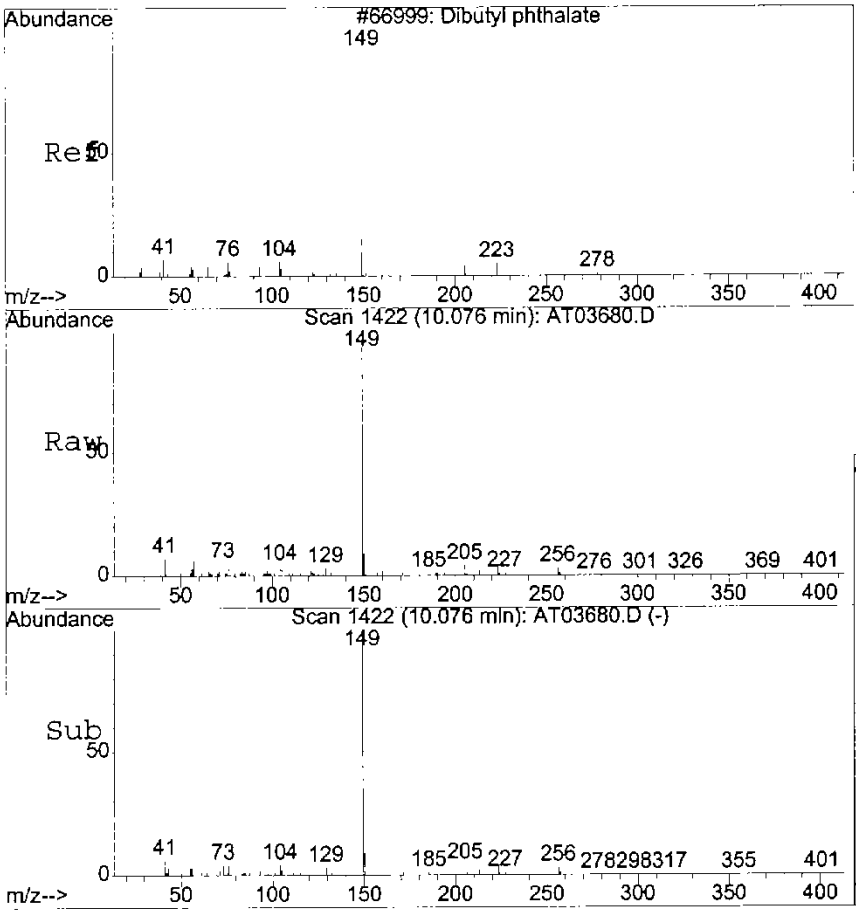


#74
Carbazole
Concen: 28.62 ug/L
RT: 9.69 min Scan# 1350
Delta R.T. 0.00 min
Lab File: AT03680.D
Acq: 25 Feb 2005 5:05 pm

Tgt Ion:167 Resp: 14272

Ion	Ratio	Lower	Upper
167	100		
139	5.7	0.0	41.5

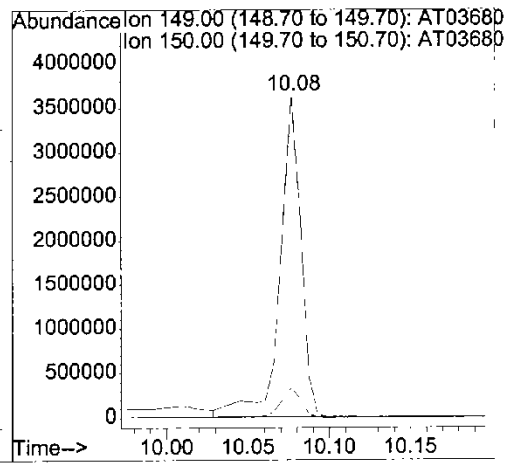


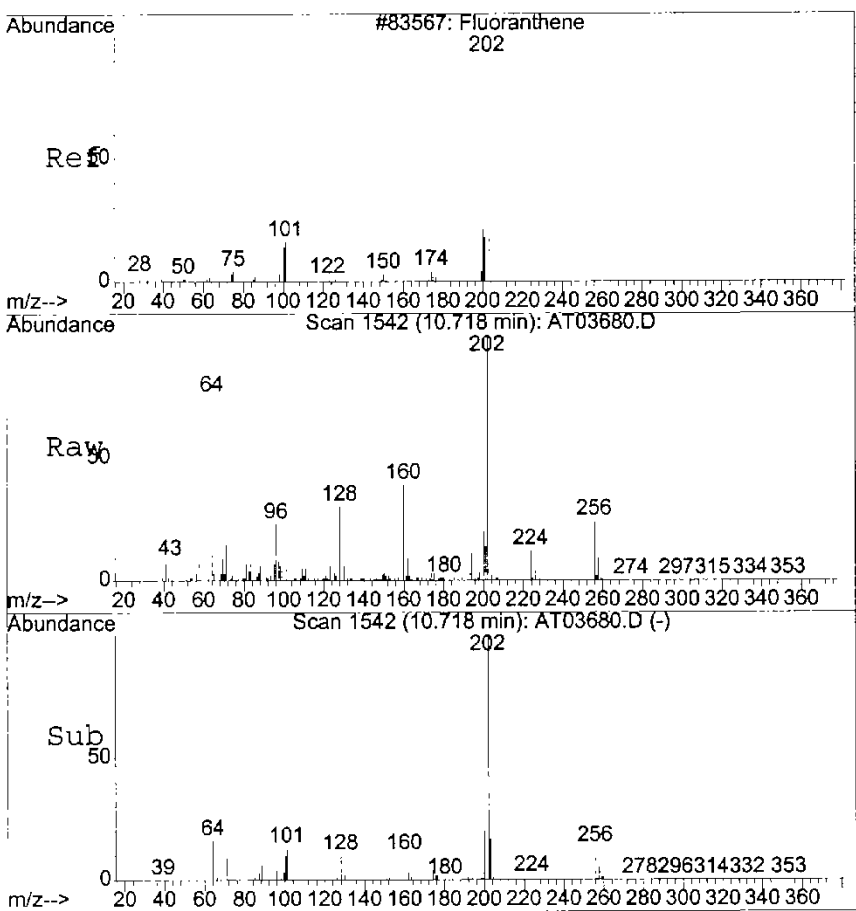


#75
Di-n-butylphthalate
Concen: 3712.74 ug/L
RT: 10.08 min Scan# 1422
Delta R.T. 0.01 min
Lab File: AT03680.D
Acq: 25 Feb 2005 5:05 pm

Tgt Ion:149 Resp: 3240860

Ion	Ratio	Lower	Upper
149	100		
150	9.1	0.0	39.0

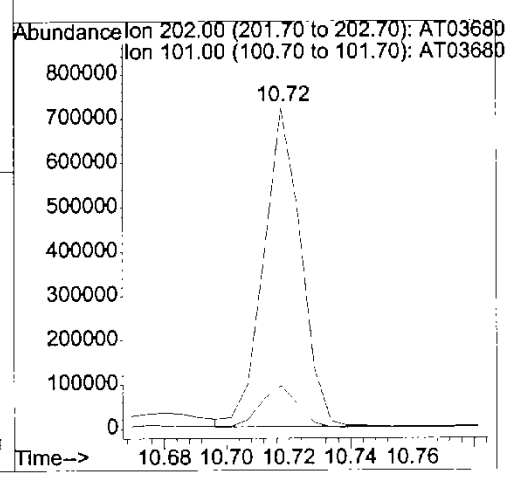


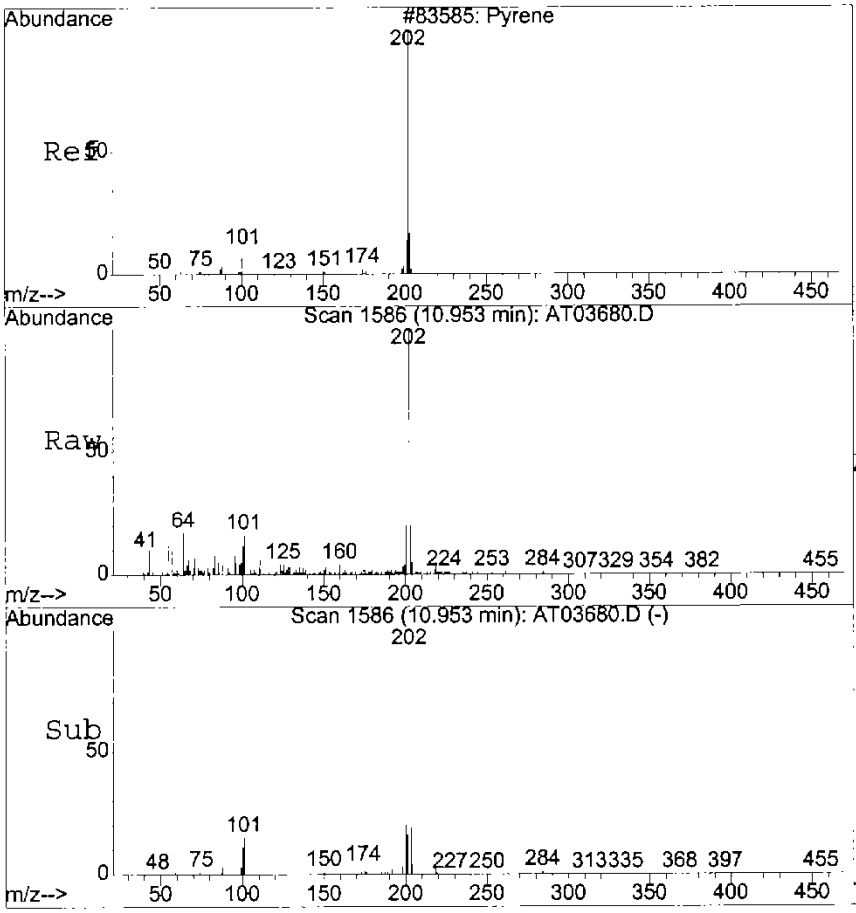


#76
Fluoranthene
Concen: 724.46 ug/L
RT: 10.72 min Scan# 1542
Delta R.T. 0.02 min
Lab File: AT03680.D
Acq: 25 Feb 2005 5:05 pm

Tgt Ion:202 Resp: 600440

Ion	Ratio	Lower	Upper
202	100		
101	13.0	0.0	43.7

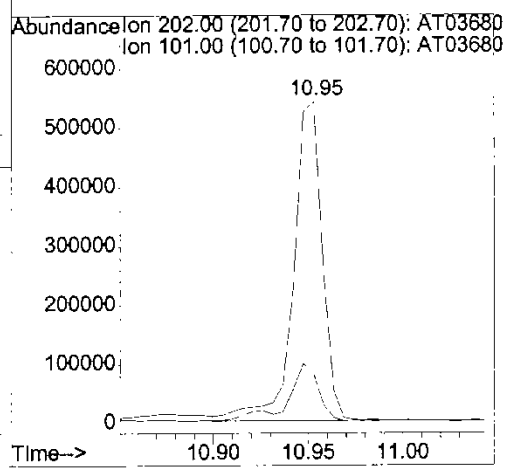


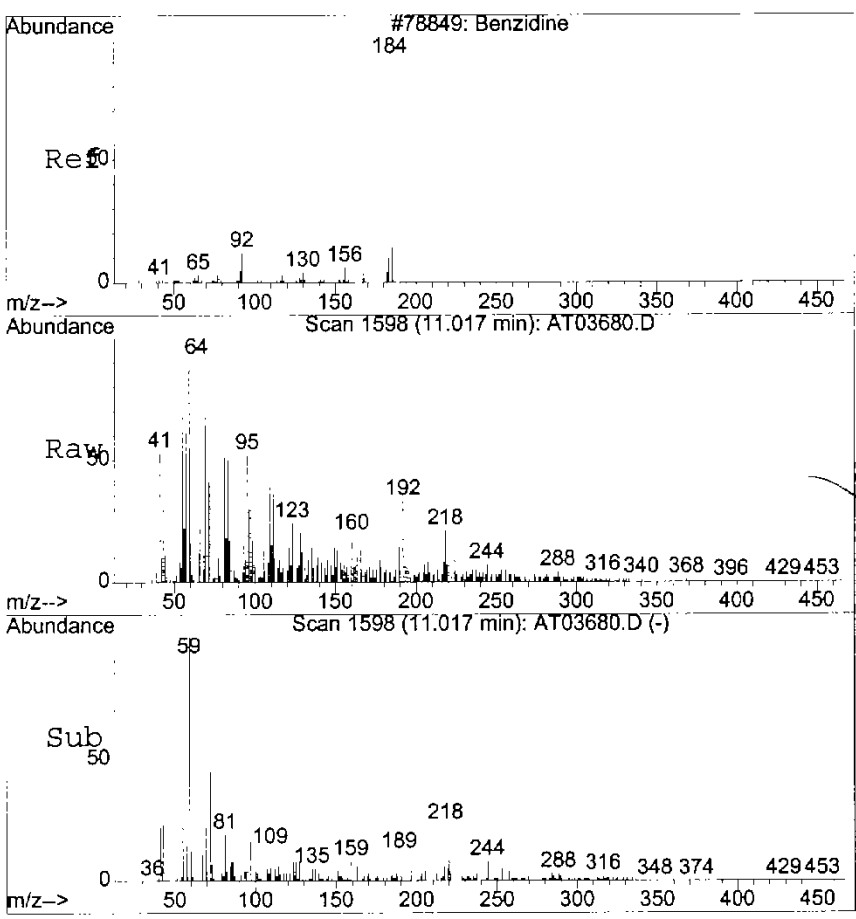


#77
Pyrene
Concen: 668.48 ug/L
RT: 10.95 min Scan# 1586
Delta R.T. 0.01 min
Lab File: AT03680.D
Acq: 25 Feb 2005 5:05 pm

Tgt Ion:202 Resp: 574660

Ion	Ratio	Lower	Upper
202	100		
101	14.9	0.0	45.3

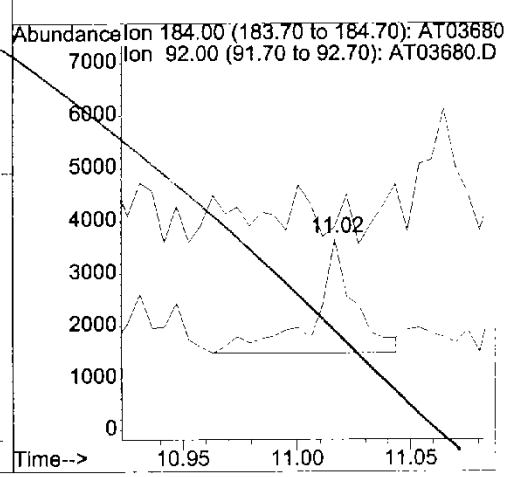


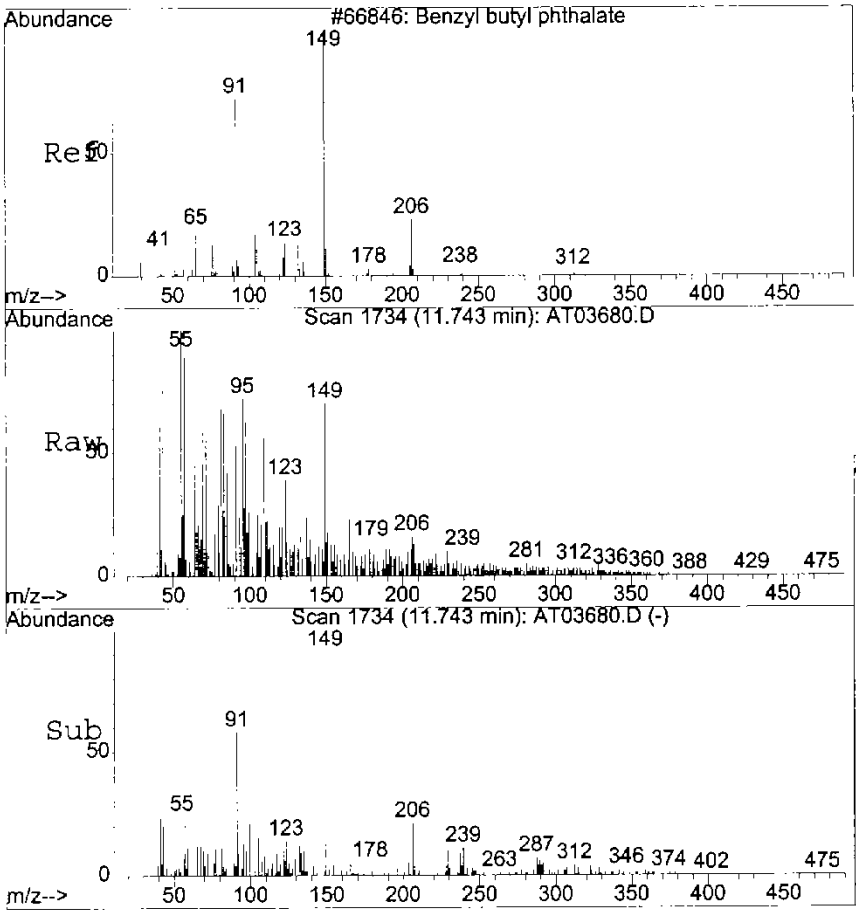


#78
Benzidine
Concen: 23.40 ul/l
RT: 11.02 min Scan# 1598
Delta R.T. 0.14 min
Lab File: AT03680.D
Acq: 25 Feb 2005 5:05 pm

Tgt Ion:184 Resp: 2758

Ion	Ratio	Lower	Upper
184	100		
92	18.7	0.0	38.7

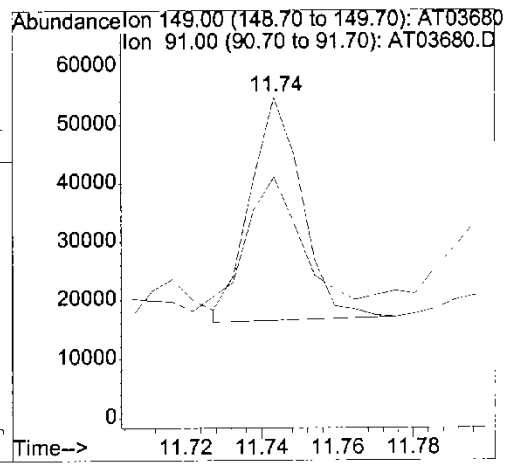


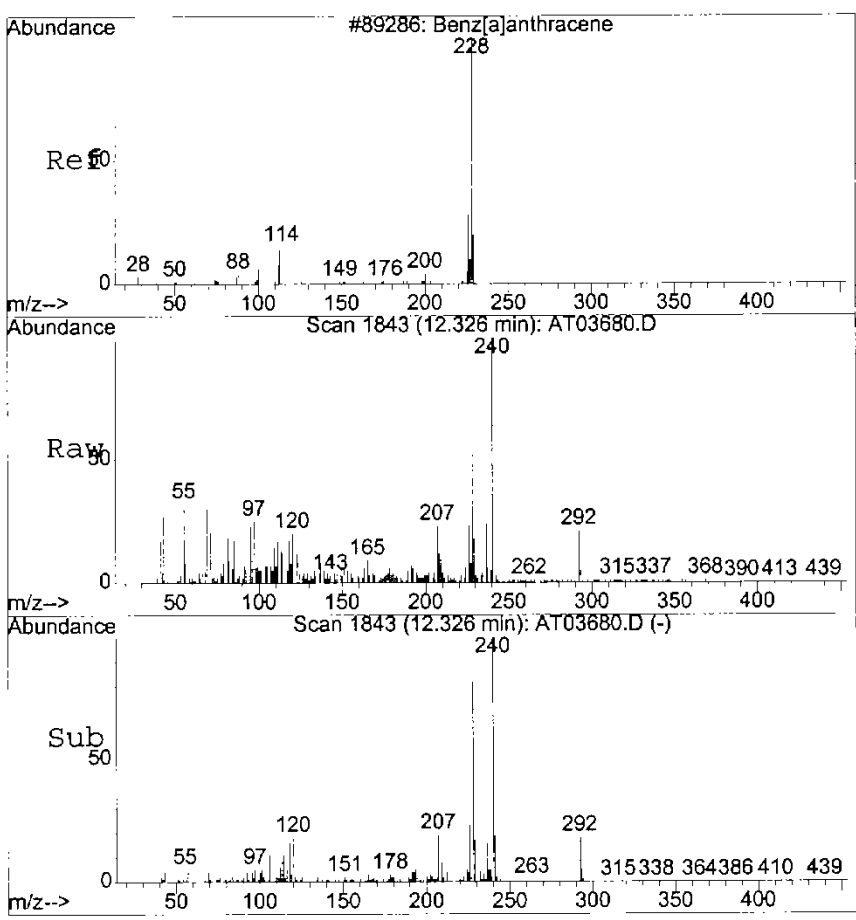


#81
Butylbenzylphthalate
Concen: 163.37 ug/L
RT: 11.74 min Scan# 1734
Delta R.T. 0.01 min
Lab File: AT03680.D
Acq: 25 Feb 2005 5:05 pm

Tgt Ion:149 Resp: 36272

Ion	Ratio	Lower	Upper
149	100		
91	54.2	30.6	90.6

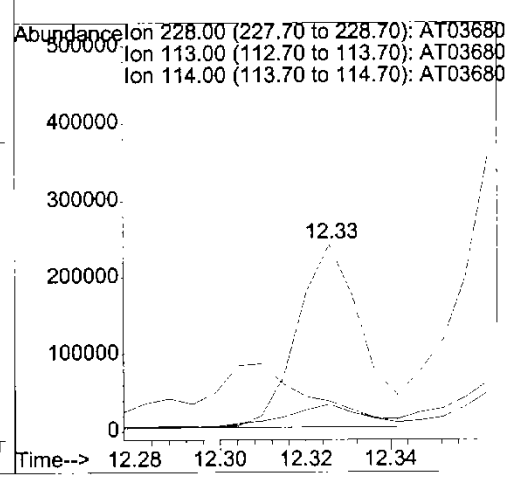


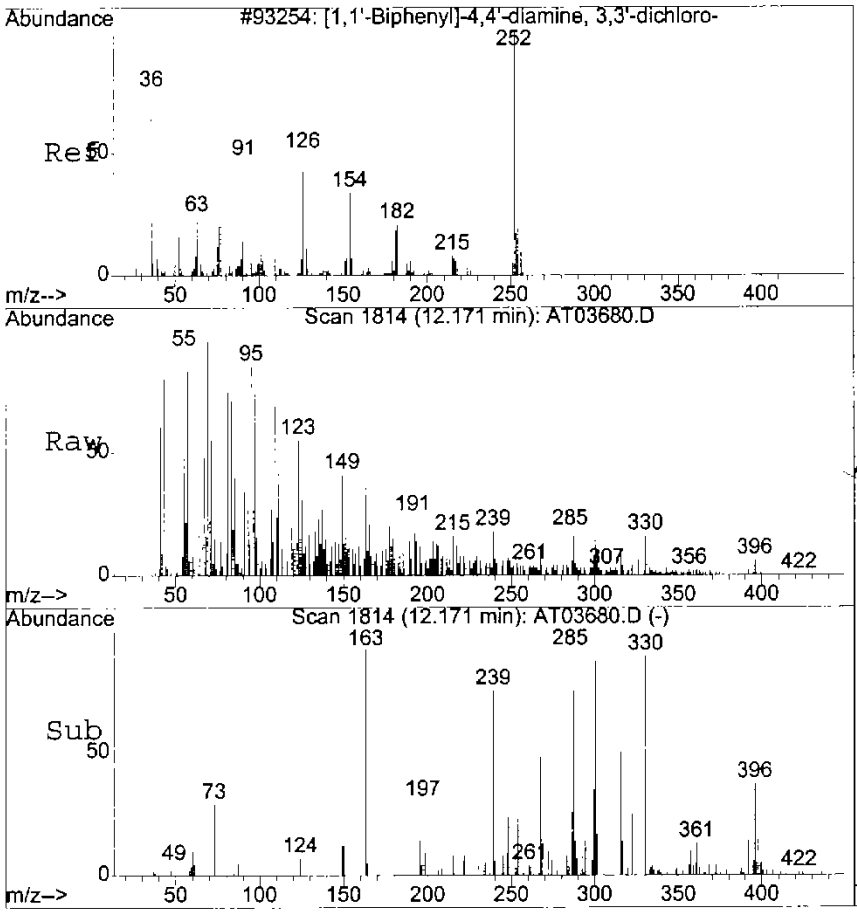


#82
Benzo(a)anthracene
Concen: 324.44 ug/L
RT: 12.33 min Scan# 1843
Delta R.T. 0.01 min
Lab File: AT03680.D
Acq: 25 Feb 2005 5:05 pm

Tgt Ion:228 Resp: 250768

Ion	Ratio	Lower	Upper
228	100		
113	2.9	0.0	41.9
114	12.0	0.0	43.6

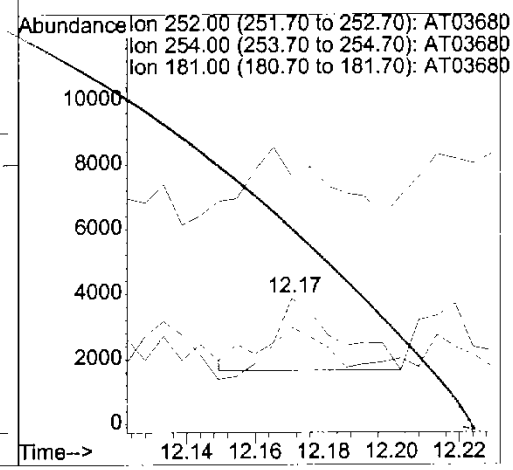


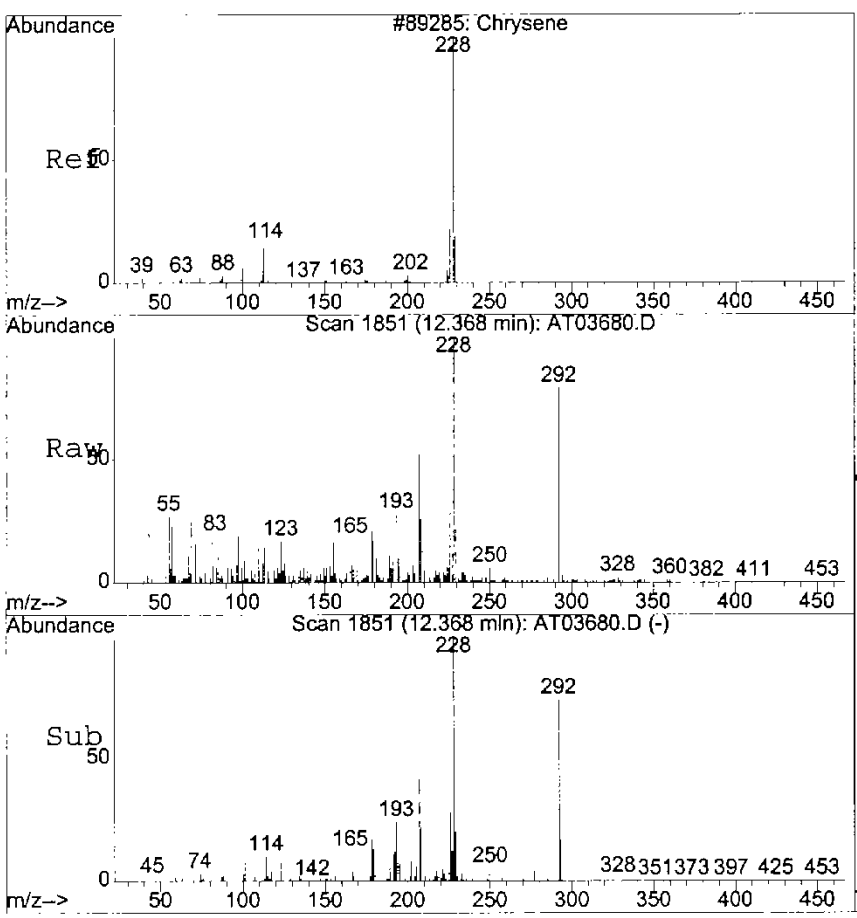


#83
3,3'-Dichlorobenzidine
Concen: 41.32 ug/L
RT: 12.17 min Scan# 1814
Delta R.T. -0.15 min
Lab File: AT03680.D
Acq: 25 Feb 2005 5:05 pm

Tgt Ion:252 Resp: 3098

Ion	Ratio	Lower	Upper
252	100		
254	62.4	32.1	92.1
181	33.6	0.0	37.0

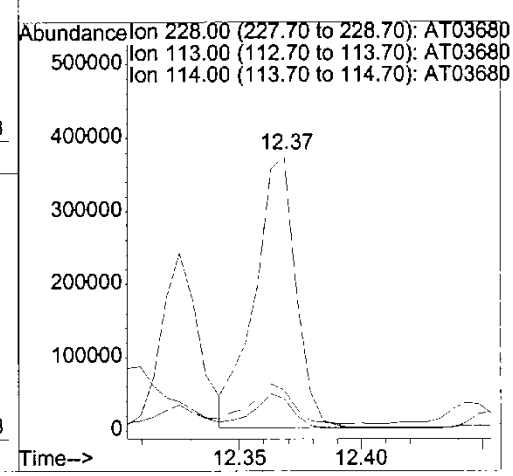


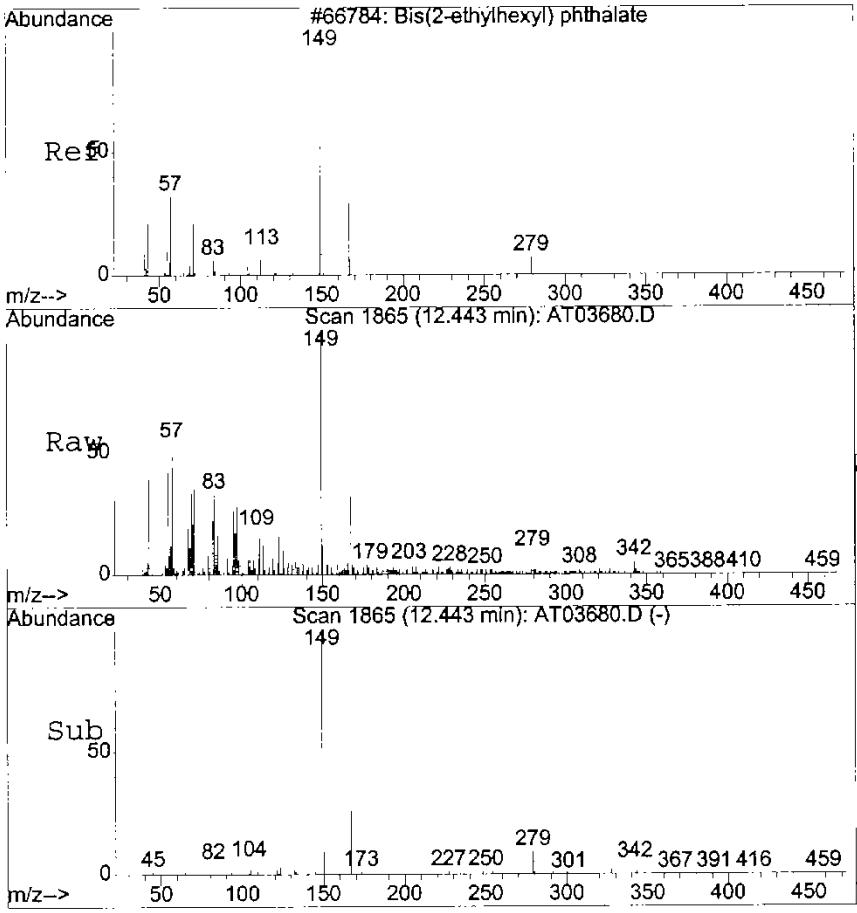


#84
Chrysene
Concen: 538.23 ug/L
RT: 12.37 min Scan# 1851
Delta R.T. 0.01 min
Lab File: AT03680.D
Acq: 25 Feb 2005 5:05 pm

Tgt Ion:228 Resp: 433624

Ion	Ratio	Lower	Upper
228	100		
113	11.9	0.0	41.9
114	10.3	0.0	40.2

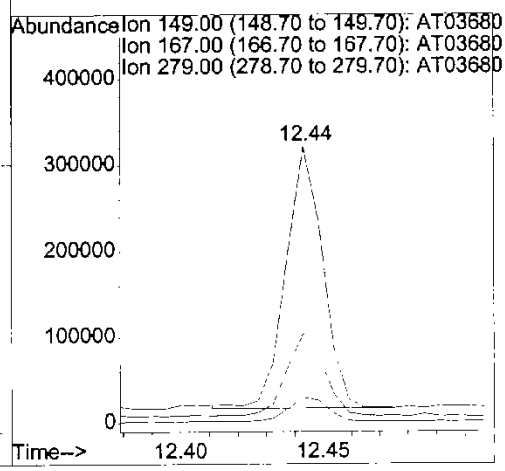


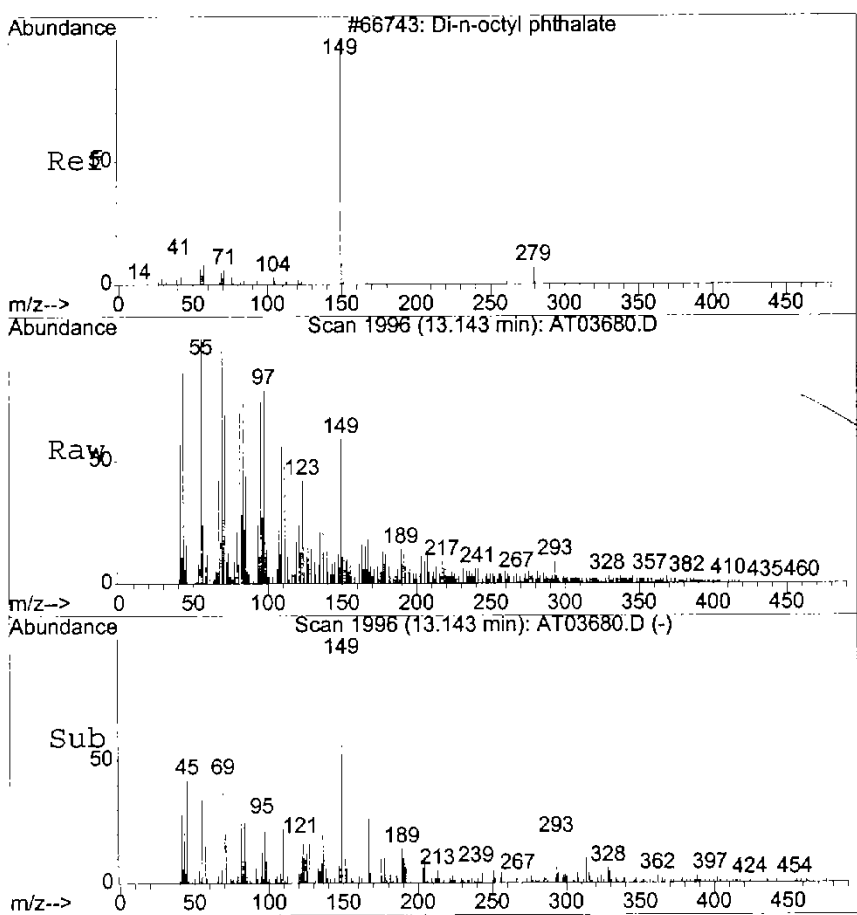


#85
bis(2-Ethylhexyl)phthalate
Concen: 547.99 ug/L
RT: 12.44 min Scan# 1865
Delta R.T. 0.01 min
Lab File: AT03680.D
Acq: 25 Feb 2005 5:05 pm

Tgt Ion:149 Resp: 273561

Ion	Ratio	Lower	Upper
149	100		
167	31.6	2.4	62.4
279	9.1	0.0	39.0

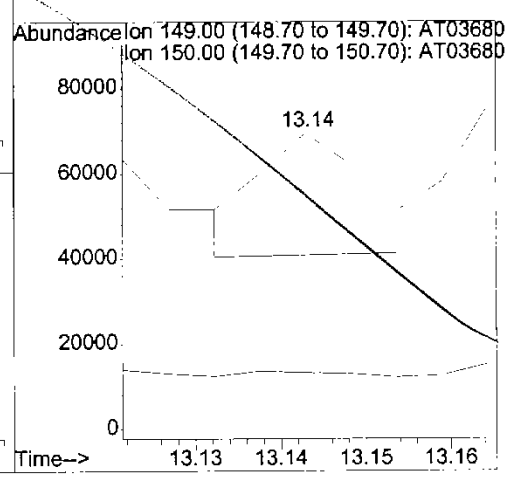


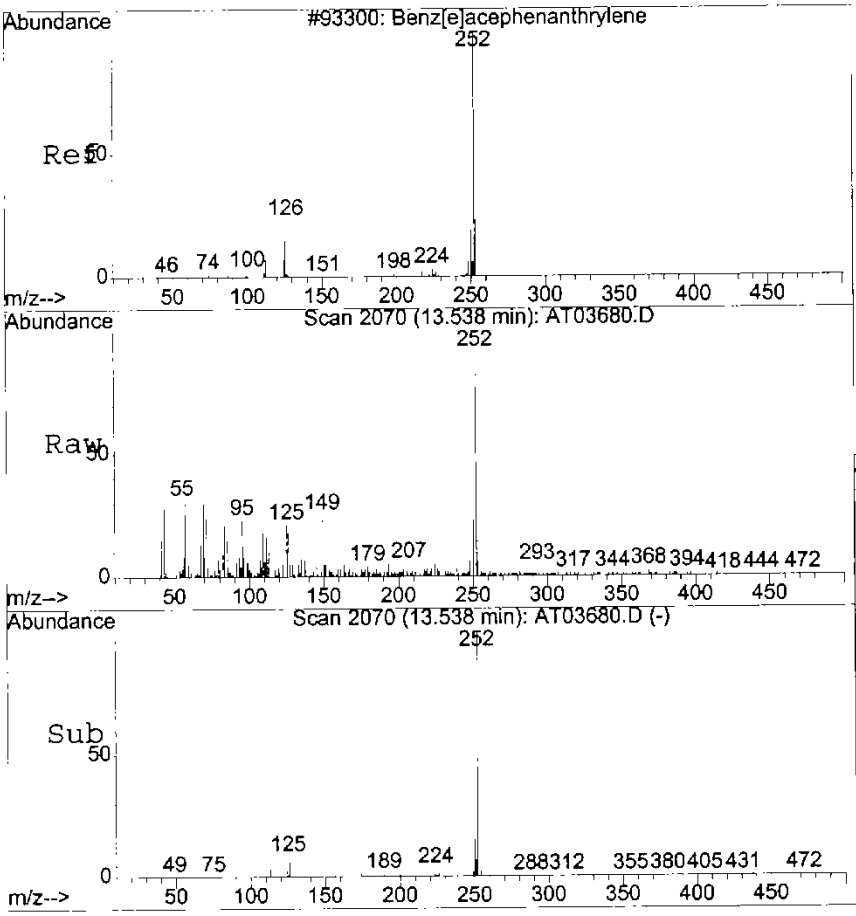


#87
Di-n-octylphthalate
Concen: 31.28 ug/L
RT: 13.14 min Scan# 1996
Delta R.T. -0.01 min
Lab File: AT03680.D
Acq: 25 Feb 2005 5:05 pm

Tgt Ion:149 Resp: 25497

Ion	Ratio	Lower	Upper
149	100		
150	5.3	0.0	39.5

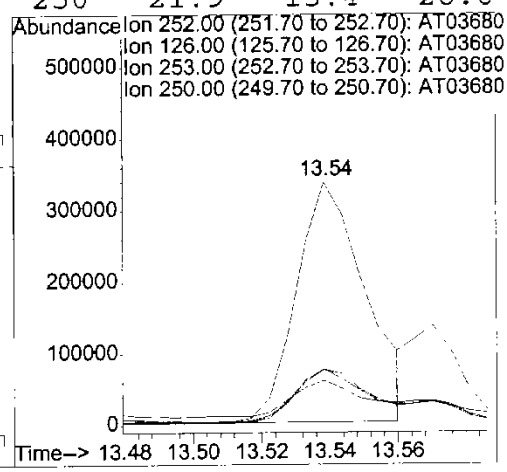


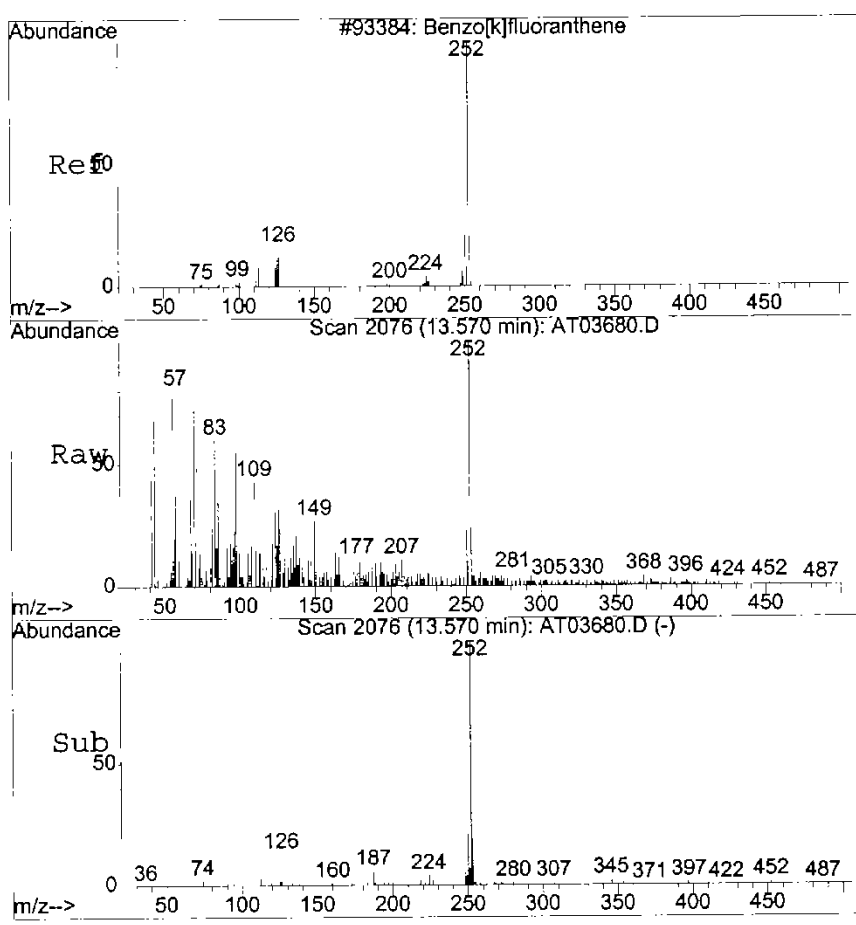


#88
Benzo(b)fluoranthene
Concen: 524.16 ul/l
RT: 13.54 min Scan# 2070
Delta R.T. 0.01 min
Lab File: AT03680.D
Acq: 25 Feb 2005 5:05 pm

Tgt Ion:252 Resp: 472063

Ion	Ratio	Lower	Upper
252	100		
126	14.3	11.5	21.5
253	21.6	15.6	29.0
250	21.9	15.4	28.6

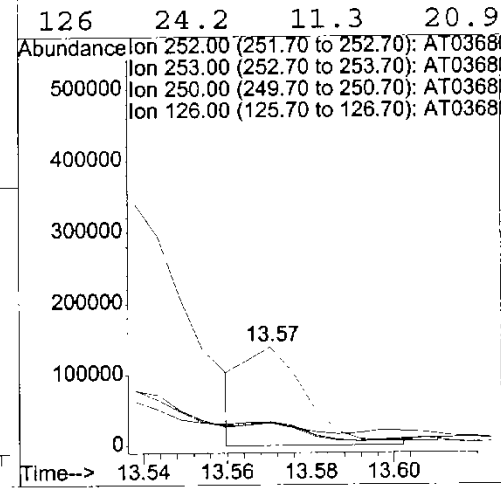


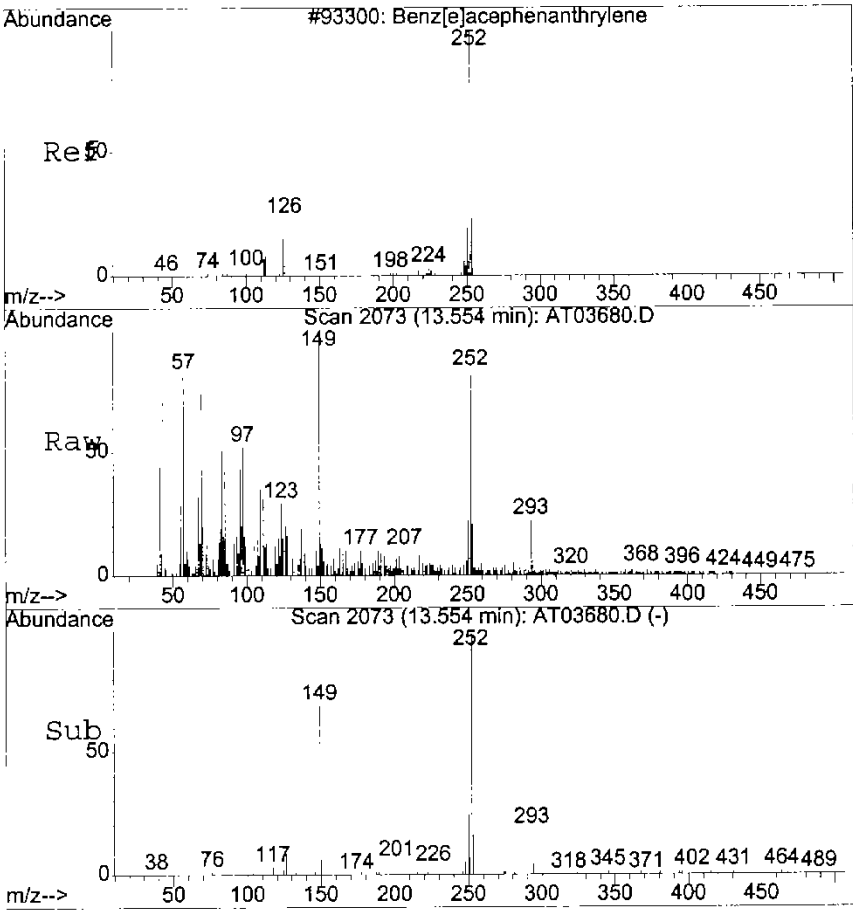


#89
benzo(k)fluoranthene
Concen: 182.19 ul/l m
RT: 13.57 min Scan# 2076
Delta R.T. 0.01 min
Lab File: AT03680.D
Acq: 25 Feb 2005 5:05 pm

Tgt Ion:252 Resp: 147085

Ion	Ratio	Lower	Upper
252	100		
253	24.4	15.2	28.2
250	23.1	15.4	28.6
126	24.2	11.3	20.9#

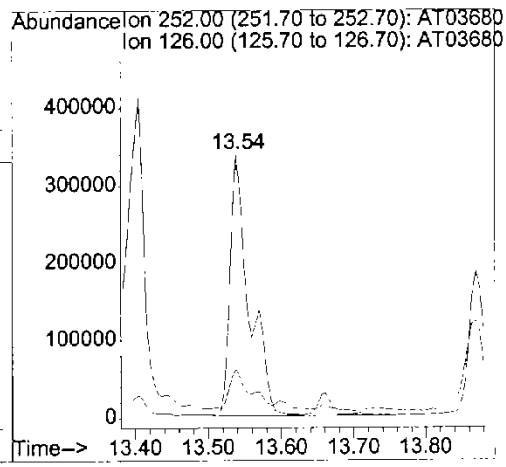


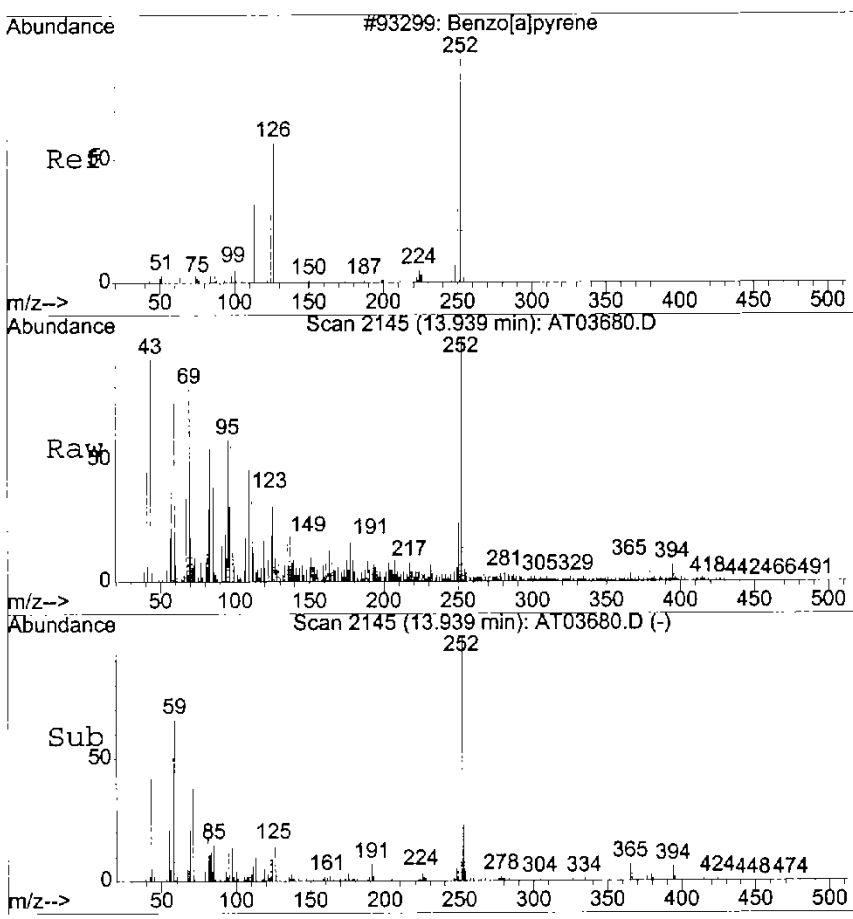


#90
Benzofluoranthenes
Concen: 803.53 ug/L
RT: 13.56 min Scan# 2073
Delta R.T. 0.01 min
Lab File: AT03680.D
Acq: 25 Feb 2005 5:05 pm

Tgt Ion:252 Resp: 657120

Ion	Ratio	Lower	Upper
252	100		
126	16.0	0.0	50.7

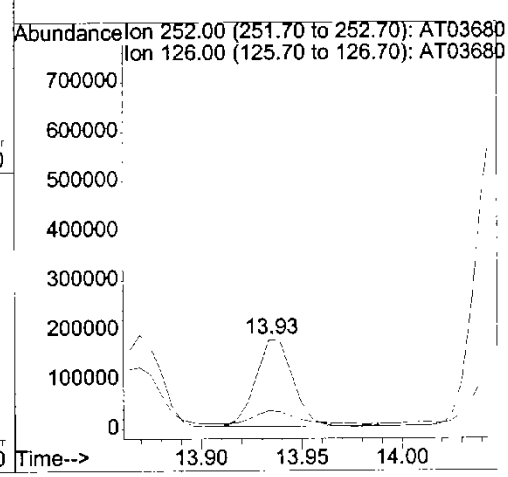


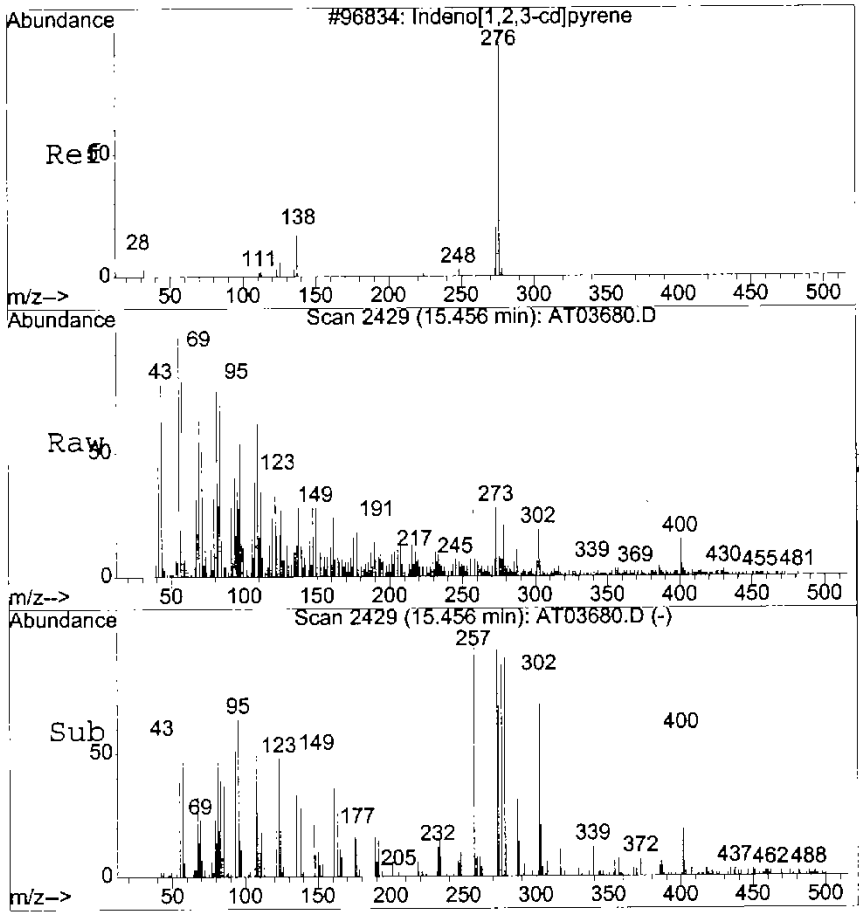


#91
Benzo(a)pyrene
Concen: 323.76 ug/L
RT: 13.94 min Scan# 2145
Delta R.T. 0.01 min
Lab File: AT03680.D
Acq: 25 Feb 2005 5:05 pm

Tgt Ion:252 Resp: 227005

Ion	Ratio	Lower	Upper
252	100		
126	14.0	0.0	44.5

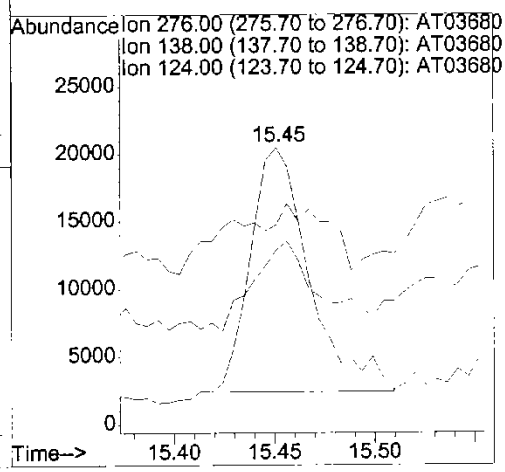


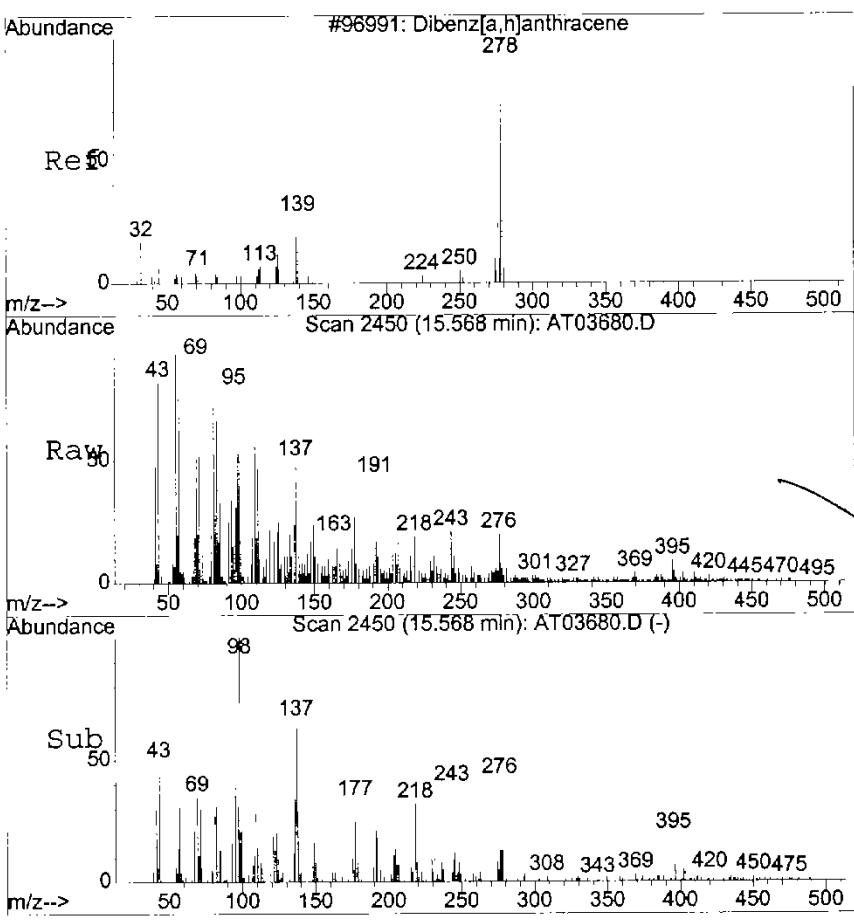


#92
Indeno(1,2,3-cd)pyrene
Concen: 66.63 ug/L
RT: 15.46 min Scan# 2429
Delta R.T. -0.11 min
Lab File: AT03680.D
Acq: 25 Feb 2005 5:05 pm

Tgt Ion:276 Resp: 36891

Ion	Ratio	Lower	Upper
276	100		
138	31.4	0.0	52.0
124	19.7	0.0	35.3

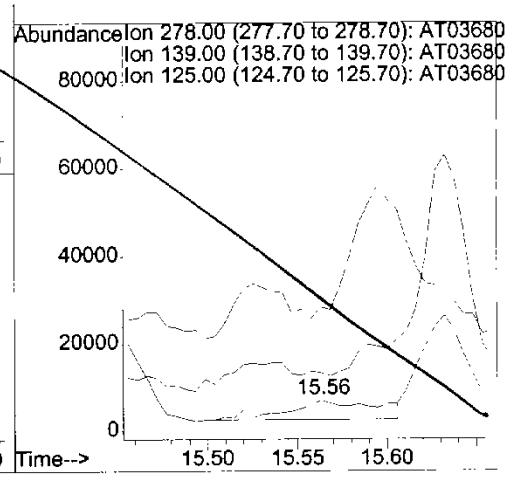


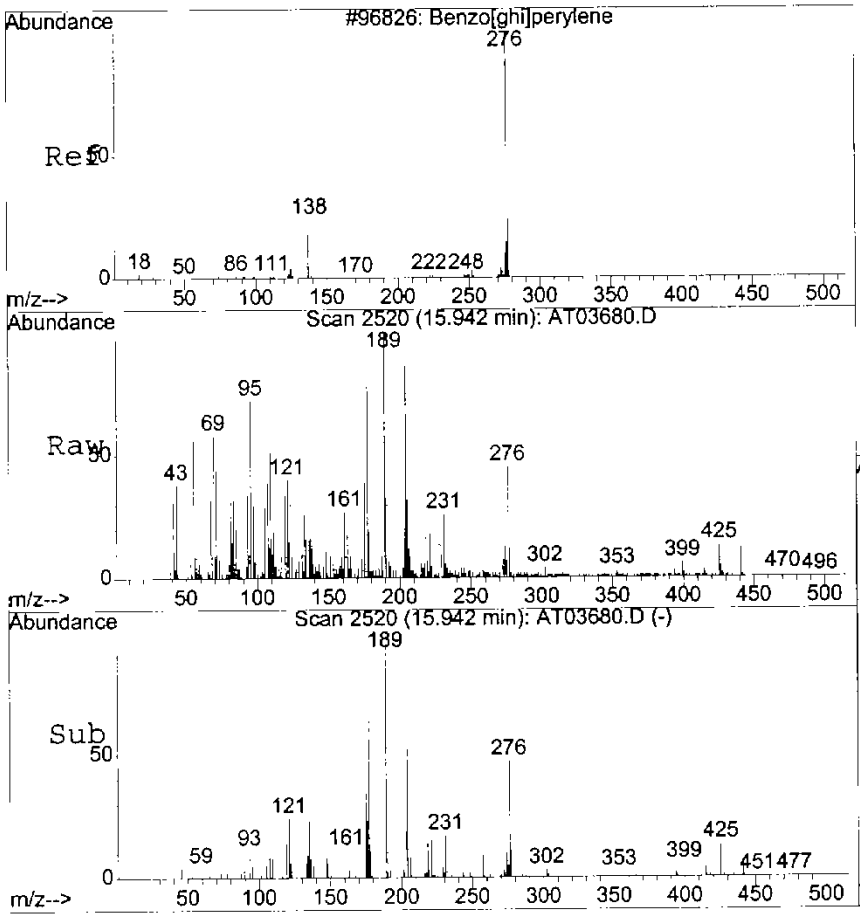


#93
Dibenz(a,h)anthracene
Concen: 30.90 ug/L
RT: 15.57 min Scan# 2450
Delta R.T. -0.04 min
Lab File: AT03680.D
Acq: 25 Feb 2005 5:05 pm

Tgt Ion:278 Resp: 15092

Ion	Ratio	Lower	Upper
278	100		
139	0.0	0.0	46.2
125	0.0	0.0	34.4

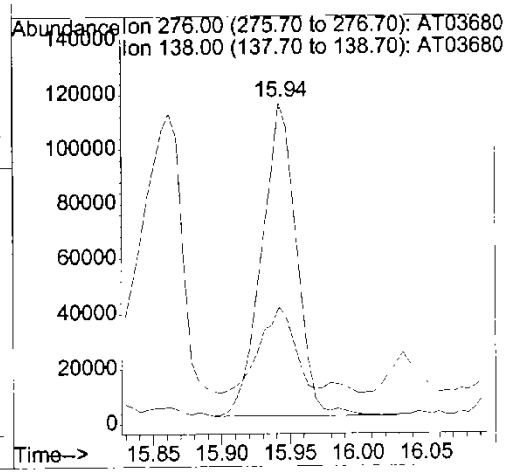




#94
Benzo(g,h,i)perylene
Concen: 256.07 ug/L
RT: 15.94 min Scan# 2520
Delta R.T. 0.04 min
Lab File: AT03680.D
Acq: 25 Feb 2005 5:05 pm

Tgt Ion:276 Resp: 200532

Ion	Ratio	Lower	Upper
276	100		
138	22.6	0.0	53.5

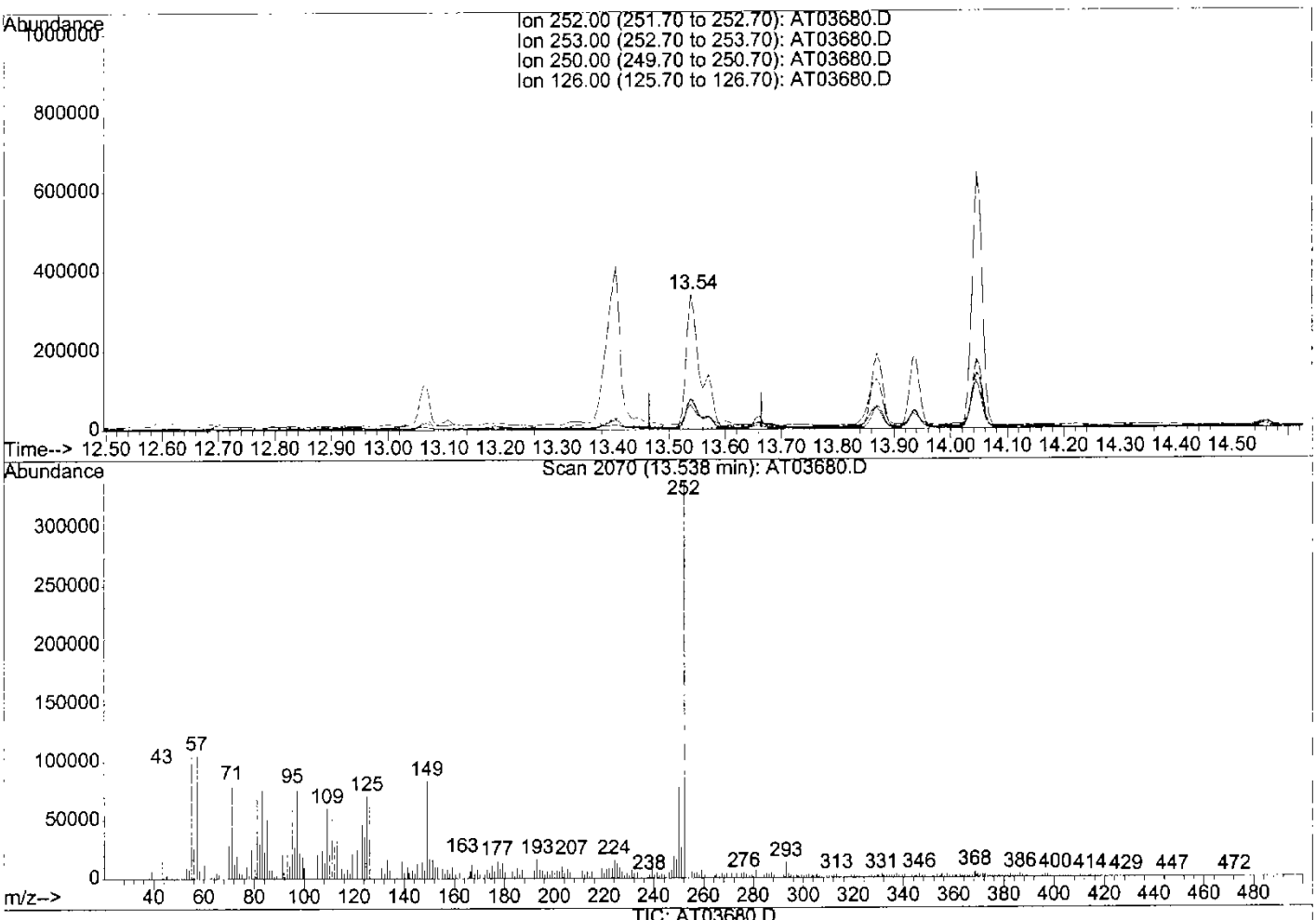


Quantitation Report (Qedit)

Data File : H:\DATA\022505_A\AT03680.D
Acq On : 25 Feb 2005 5:05 pm
Sample : 126377-5 &1
Misc :
MS Integration Params: Rteint.p
Quant Time: Feb 28 6:59 2005

Vial: 21
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: temp.res

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Fri Feb 25 12:17:02 2005
Response via : Multiple Level Calibration



(89) benzo(k)fluoranthene (T)

13.54min 757.90ul/l

response 611883

Ion	Exp%	Act%
252.00	100	100
253.00	21.70	21.18
250.00	22.00	22.22
126.00	16.10	15.12

3/1/05

AT03680.D 8270_022505.M Mon Feb 28 10:48:57 2005 MSD1

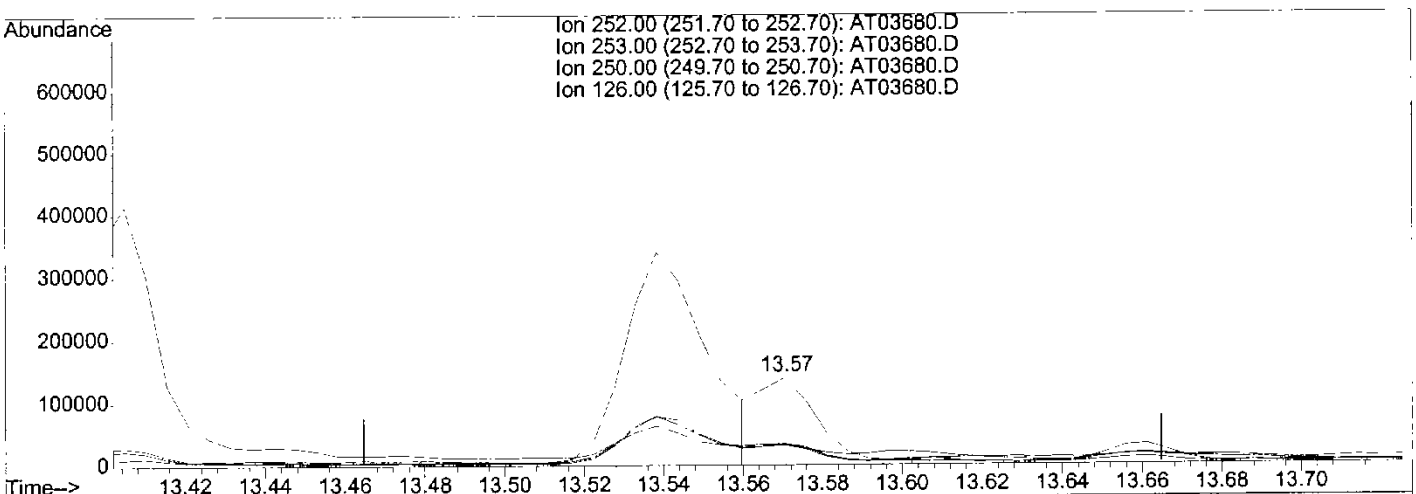
00540

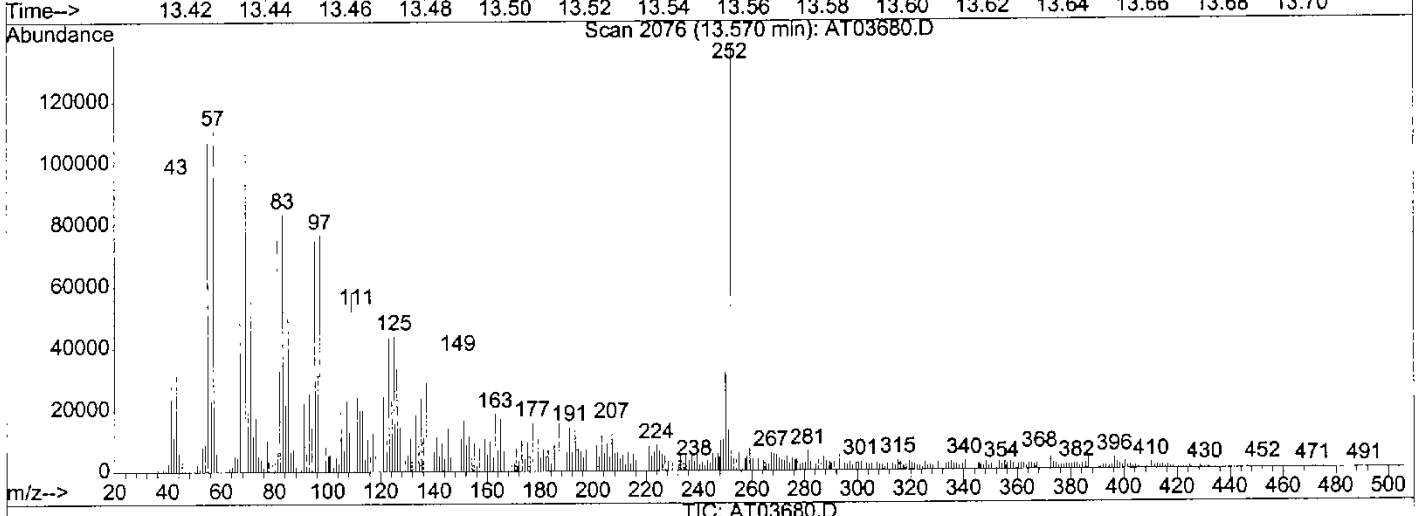
Quantitation Report (Qedit)

Data File : H:\DATA\022505_A\AT03680.D
Acq On : 25 Feb 2005 5:05 pm
Sample : 126377-5 &1
Misc :
MS Integration Params: Rteint.p
Quant Time: Feb 28 10:49 2005

Vial: 21
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: temp.res

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Fri Feb 25 12:17:02 2005
Response via : Multiple Level Calibration





(89) benzo(k)fluoranthene (T)

13.57min 182.19ul/l m

response 147085

Ion	Exp%	Act%
252.00	100	100
253.00	21.70	24.43
250.00	22.00	23.12
126.00	16.10	24.22#

3/1/05

Quantitation Report (QT Reviewed)

Data File : H:\DATA\030105_A\AT03699.D
Acq On : 1 Mar 2005 1:10 pm
Sample : 126377-5 &1
Misc :
MS Integration Params: Rteint.p
Quant Time: Mar 01 14:08:42 2005

Vial: 13
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: 8270_022505.RES

Quant Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Feb 28 14:16:48 2005
Response via : Initial Calibration
DataAcq Meth : 8270EXT

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4 (I)	5.42	152	264267	1000.000 ug/L	0.00
23) Naphthalene - d8 (I)	6.54	136	1029618	1000.000 ug/L	0.00
39) Acenaphthene - d10 (I)	8.00	162	528975	1000.000 ug/L	0.00
63) Phenanthrene - d10 (I)	9.31	188	972057	1000.000 ug/L	0.00
80) Chrysene - d12 (I)	12.17	240	983126	1000.000 ul/l	0.00
86) Perylene - d12 (I)	13.79	264	954951	1000.000 ug/L	0.01
System Monitoring Compounds					
4) 2 - Fluorophenol (S)	4.14	112	113798	514.30 ug/L	0.00
8) Phenol - d5 (S)	5.13	99	176144	707.28 ug/L	0.00
24) Nitrobenzene - d5 (S)	5.93	82	70448	333.70 ug/L	0.00
44) 2 - Fluorobiphenyl (S)	7.45	172	147784	258.93 ug/L	0.00
66) 2,4,6 - Tribromophenol (S)	8.67	330	71218	752.26 ug/L	0.00
79) p - Terphenyl - d14 (S)	11.00	244	395864	672.63 ug/L	0.00
Target Compounds					Qvalue
3) Pyridine	2.53	79	428	181.261 ug/L	61
5) Cyclohexanone	4.41	55	1314	7.580 ul/L	92
6) Benzaldehyde	5.03	105	35451	177.179 ul/L	98
9) Phenol	5.14	94	21578	81.260 ug/L	82
12) Decane	5.23	57	7128	26.514 ul/L	69
15) Benzyl alcohol	5.58	79	14558	110.424 ug/L	91
19) 3-&4-Methylphenol	5.83	108	5571	51.083 ug/L	91
21) Acetophenone	5.80	105	5869	23.207 ul/L	77
27) 2-Nitrophenol	6.22	139	1650	14.036 ug/L	74
30) Benzoic Acid	6.35	105	79675	1037.945 ug/L	94
33) Naphthalene	6.56	128	19009	23.921 ug/L	98
37) 2-Methylnaphthalene	7.14	141	5211	12.377 ug/L	95
40) Hexachlorocyclopentadiene	7.31	237	194	29.911 ug/L	90
46) Biphenyl	7.53	154	5419	9.138 ul/L	100
47) 2-Nitroaniline	7.70	138	1287	30.778 ug/L	73
48) Dimethylphthalate	7.80	163	4834	9.731 ug/L	91
49) Acenaphthylene	7.89	152	6754	9.258 ug/L	88
51) 3-Nitroaniline	7.96	138	896	Below Cal #	56
52) Acenaphthene	8.03	153	30938	64.449 ug/L	93
53) 2,4-Dinitrophenol	8.15	184	91	344.890 ug/L	60
55) Dibenzofuran	8.17	168	16816	26.148 ug/L	97
56) 2,4-Dinitrotoluene	8.08	165	1102	38.053 ug/L	71
59) Diethylphthalate	8.38	149	41465	78.926 ug/L	97
60) Fluorene	8.46	166	27109	54.774 ug/L	100
62) 4-Nitroaniline	8.58	138	1678	23.718 ug/L	80
70) Pentachlorophenol	9.17	266	653	7.446 ug/L	88

(#) = qualifier out of range (m) = manual integration

00542

Data File : H:\DATA\030105_A\AT03699.D
Acq On : 1 Mar 2005 1:10 pm
Sample : 126377-5 &1
Misc :
MS Integration Params: Rteint.p
Quant Time: Mar 01 14:08:42 2005

Vial: 13
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: 8270_022505.RES

Quant Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Feb 28 14:16:48 2005
Response via : Initial Calibration
DataAcq Meth : 8270EXT

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
71)	Phenanthrene	9.33	178	202603	255.648	ug/L	99
72)	Anthracene	9.38	178	36881	51.310	ug/L	87
73)	Octadecane	9.27	57	170819	742.734	ul/L	84
74)	Carbazole	9.55	167	13712	28.180	ug/L	84
75)	Di-n-butylphthalate	9.93	149	2762221	3242.464	ug/L	99
76)	Fluoranthene	10.54	202	328586	406.234	ug/L	97
77)	Pyrene	10.79	202	306464	365.288	ug/L	100
78)	Benzidine	10.64	184	1240	10.780	ul/l	64
81)	Butylbenzylphthalate	11.59	149	69809	264.375	ug/L	97
82)	Benzo(a)anthracene	12.15	228	142483m	199.505	ug/L	
83)	3,3'-Dichlorobenzidine	12.25	252	2075	37.486	ug/L	64
84)	Chrysene	12.19	228	235815	316.783	ug/L	98
85)	bis(2-Ethylhexyl)phthalate	12.29	149	291549	632.068	ug/L	99
87)	Di-n-octylphthalate	12.96	149	10335	13.966	ug/L	69
88)	Benzo(b)fluoranthene	13.35	252	276185	342.279	ul/l	97
89)	benzo(k)fluoranthene	13.38	252	83575	114.025	ul/l	96
90)	Benzofluoranthenes	13.36	252	361684	487.150	ug/L	86
91)	Benzo(a)pyrene	13.72	252	154508	242.723	ug/L	92
92)	Indeno(1,2,3-cd)pyrene	15.31	276	118755	187.065	ug/L	96
93)	Dibenz(a,h)anthracene	15.36	278	27923	49.843	ug/L	85
94)	Benzo(g,h,i)perylene	15.69	276	136056	191.369	ug/L	100

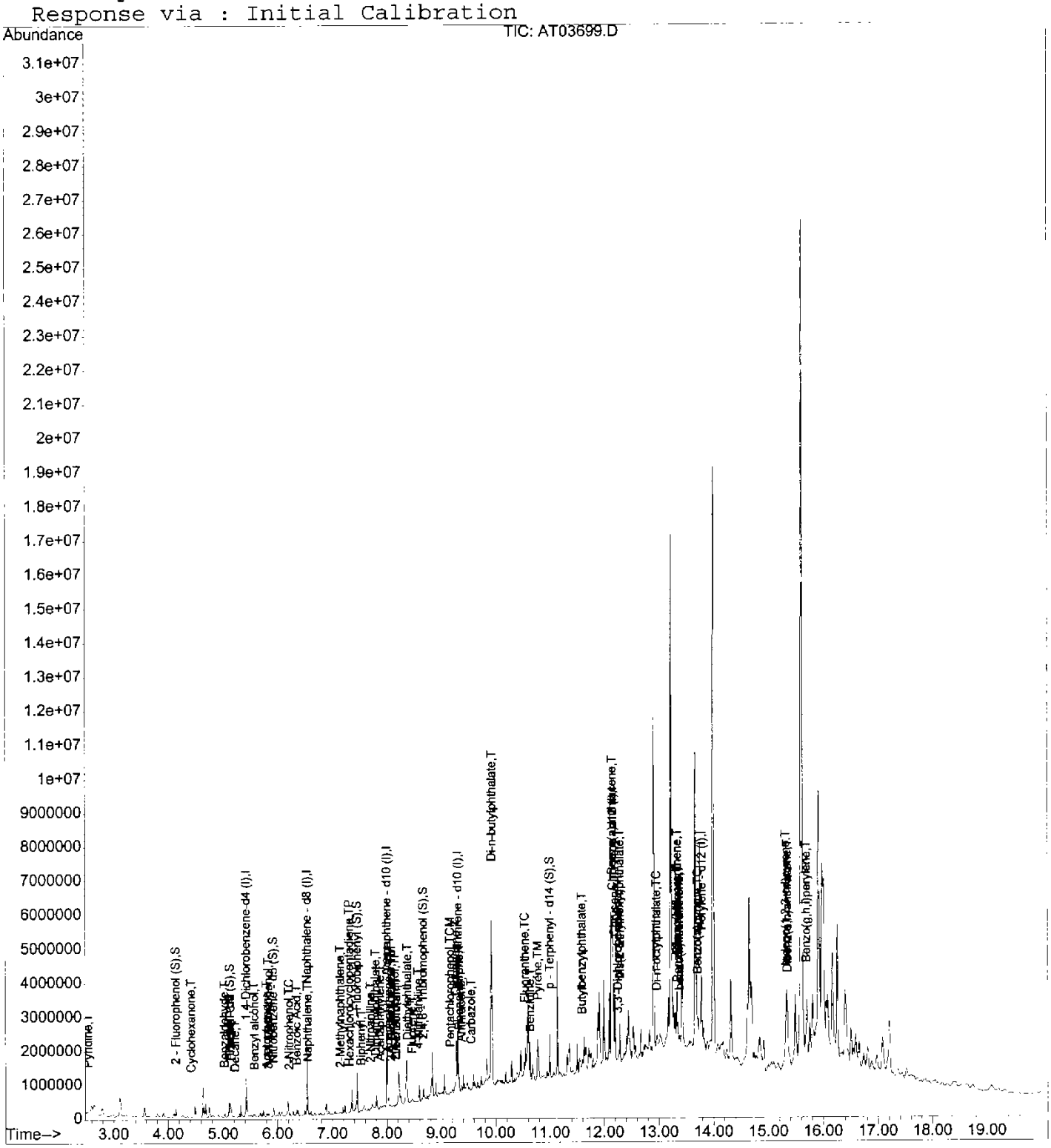
(#) = qualifier out of range (m) = manual integration

00543

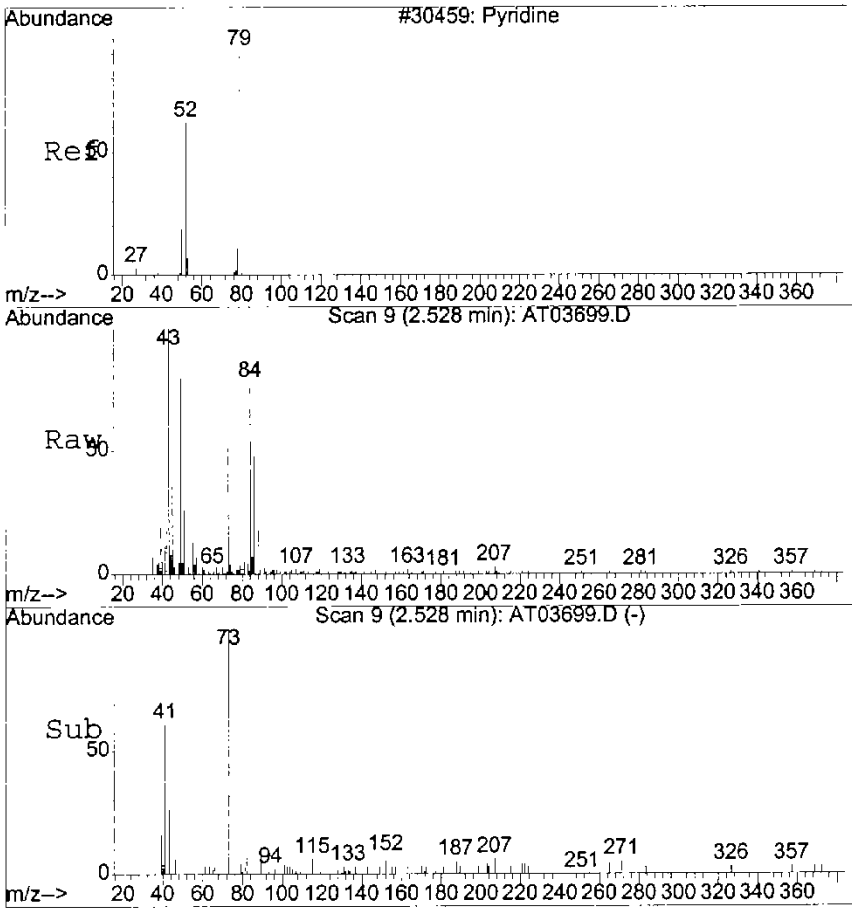
Data File : H:\DATA\030105_A\AT03699.D
Acq On : 1 Mar 2005 1:10 pm
Sample : 126377-5 &1
Misc :
MS Integration Params: Rteint.p
Quant Time: Mar 2 8:03 2005

Vial: 13
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: 8270_022505.

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Feb 28 14:16:48 2005
Response via : Initial Calibration



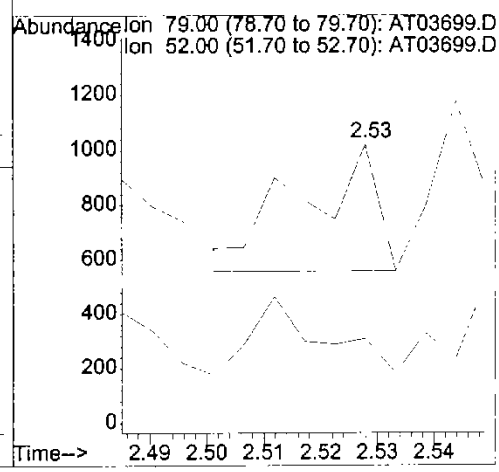
00544

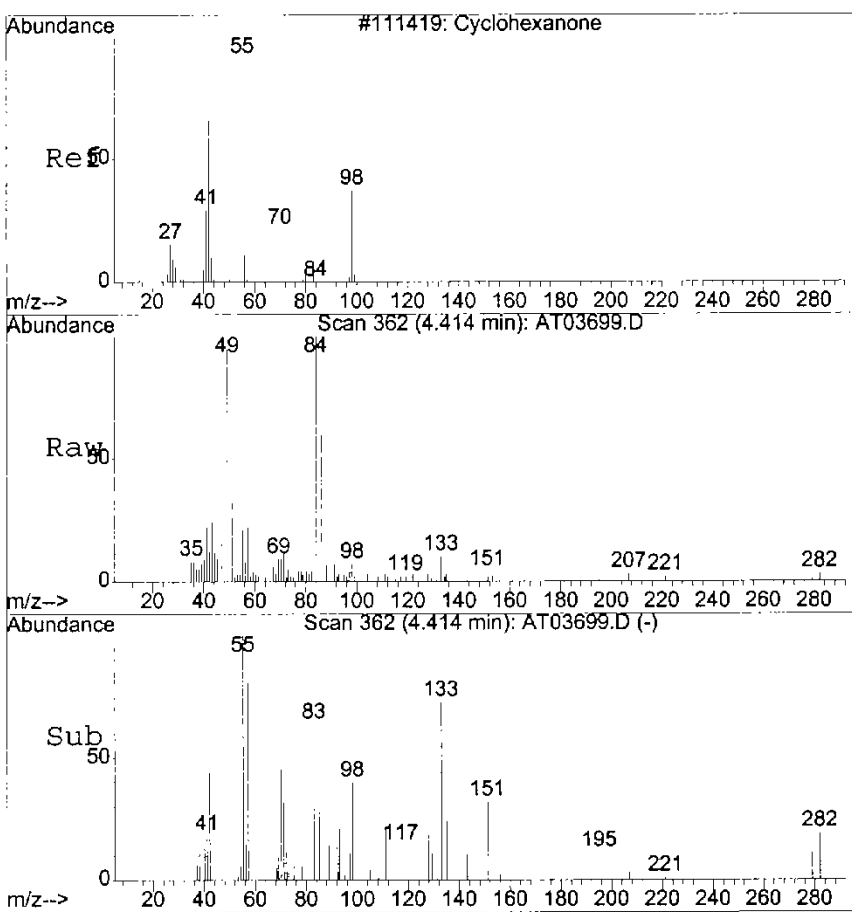


#3
Pyridine
Concen: 181.26 ug/L
RT: 2.53 min Scan# 9
Delta R.T. -0.03 min
Lab File: AT03699.D
Acq: 1 Mar 2005 1:10 pm

Tgt Ion: 79 Resp: 428

Ion	Ratio	Lower	Upper
79	100		
52	30.6	29.7	89.7

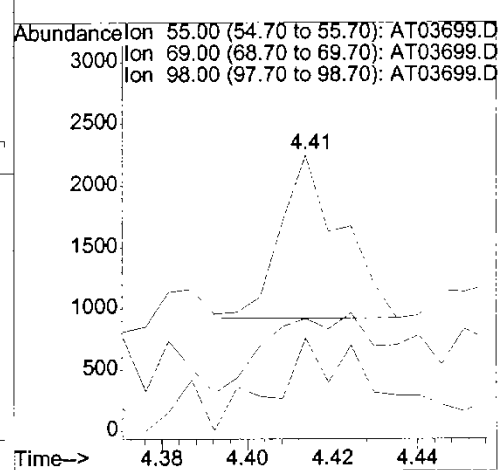




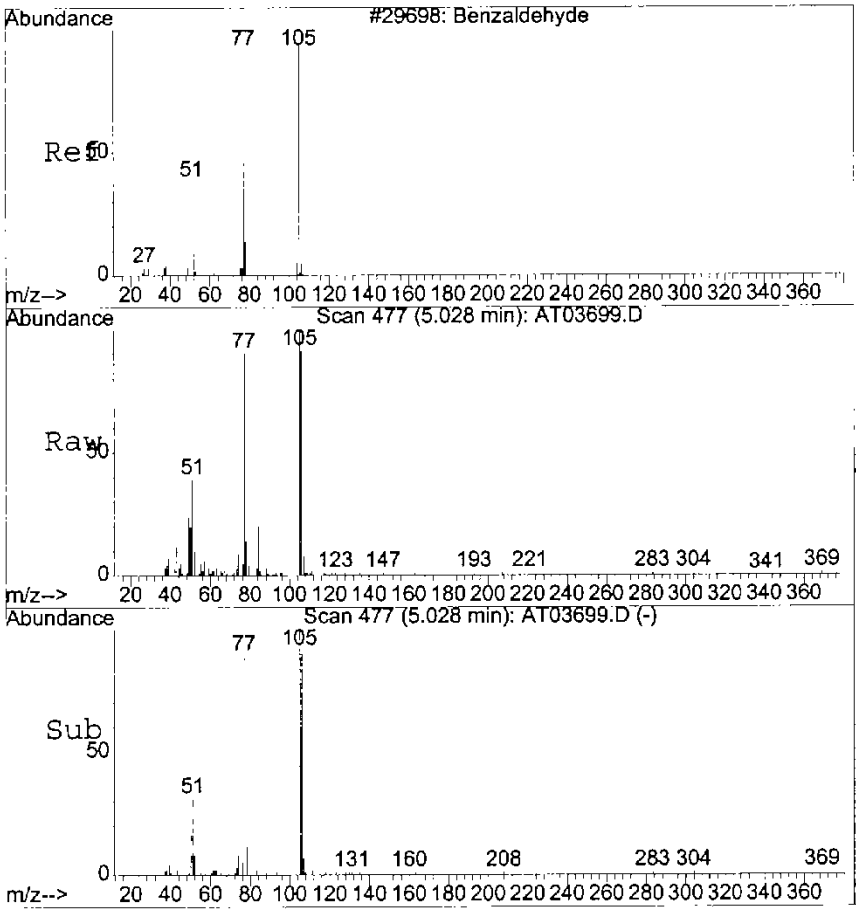
#5
Cyclohexanone
Concen: 7.58 ul/L
RT: 4.41 min Scan# 362
Delta R.T. -0.06 min
Lab File: AT03699.D
Acq: 1 Mar 2005 1:10 pm

Tgt Ion: 55 Resp: 1314

Ion	Ratio	Lower	Upper
55	100		
69	31.9	4.6	64.6
98	47.0	24.8	84.8



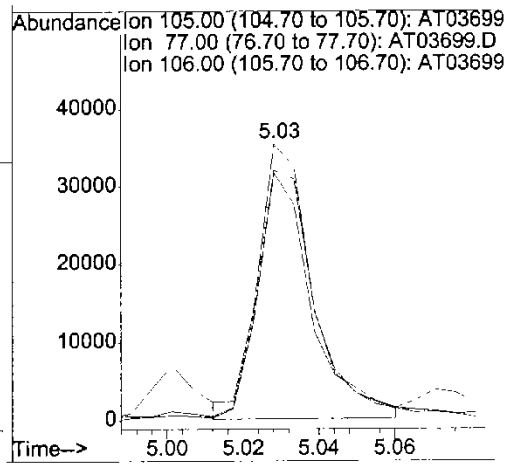
00545

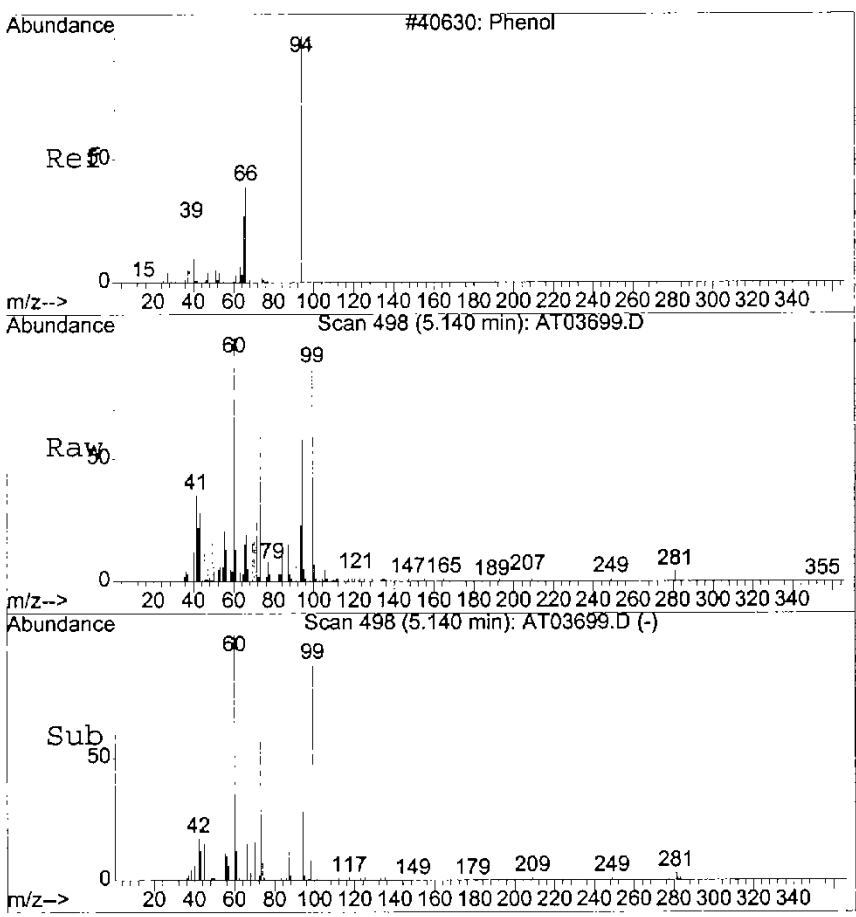


#6
Benzaldehyde
Concen: 177.18 ul/L
RT: 5.03 min Scan# 477
Delta R.T. -0.03 min
Lab File: AT03699.D
Acq: 1 Mar 2005 1:10 pm

Tgt Ion:105 Resp: 35451

Ion	Ratio	Lower	Upper
105	100		
77	92.0	63.9	123.9
106	100.7	72.0	132.0

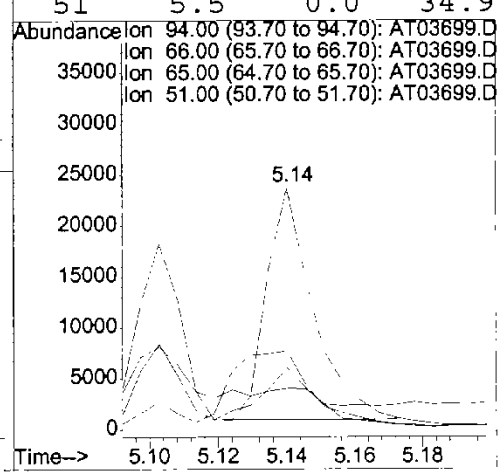




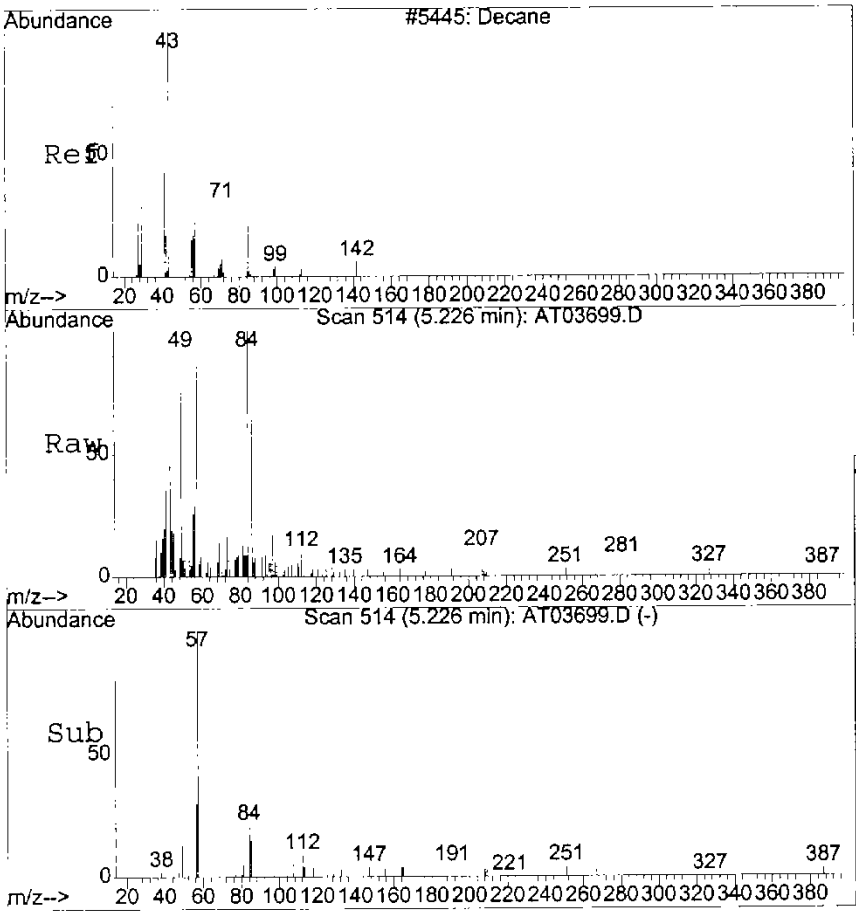
#9
Phenol
Concen: 81.26 ug/L
RT: 5.14 min Scan# 498
Delta R.T. -0.01 min
Lab File: AT03699.D
Acq: 1 Mar 2005 1:10 pm

Tgt Ion: 94 Resp: 21578

Ion	Ratio	Lower	Upper
94	100		
66	29.5	14.1	74.1
65	23.6	1.3	61.3
51	5.5	0.0	34.9



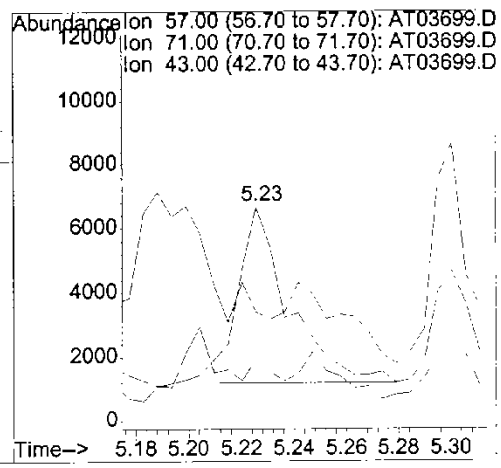
00546

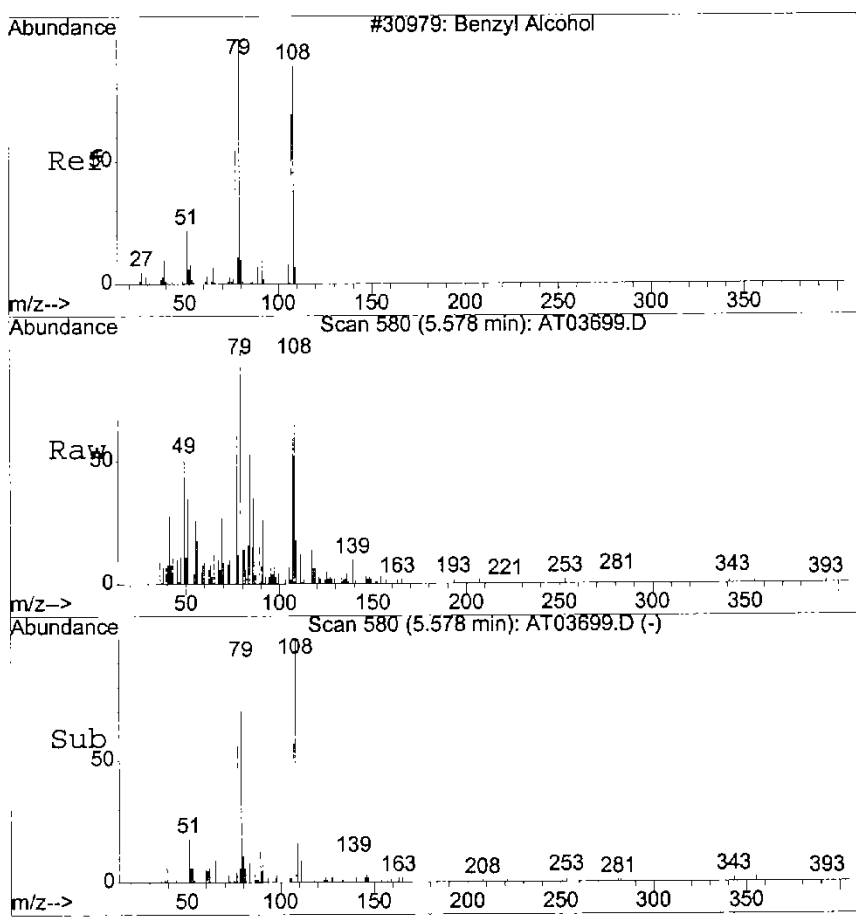


#12
Decane
Concen: 26.51 ul/L
RT: 5.23 min Scan# 514
Delta R.T. -0.08 min
Lab File: AT03699.D
Acq: 1 Mar 2005 1:10 pm

Tgt Ion: 57 Resp: 7128

Ion	Ratio	Lower	Upper
57	100		
71	20.9	13.9	73.9
43	54.2	48.7	108.7

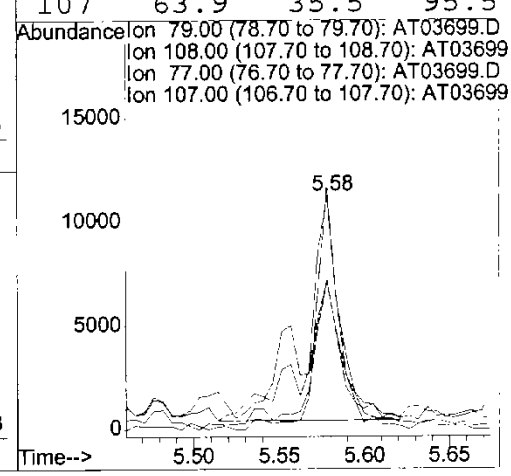




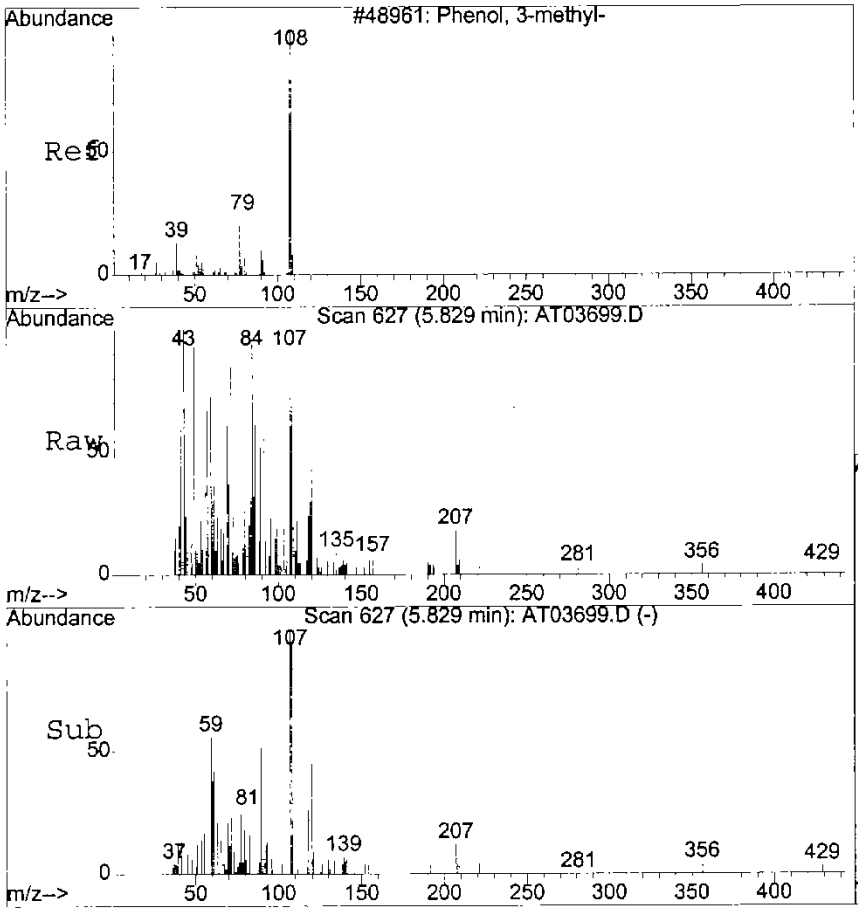
#15
Benzyl alcohol
Concen: 110.42 ug/L
RT: 5.58 min Scan# 580
Delta R.T. 0.01 min
Lab File: AT03699.D
Acq: 1 Mar 2005 1:10 pm

Tgt Ion: 79 Resp: 14558

Ion	Ratio	Lower	Upper
79	100		
108	107.3	62.2	122.2
77	56.4	29.8	89.8
107	63.9	35.5	95.5



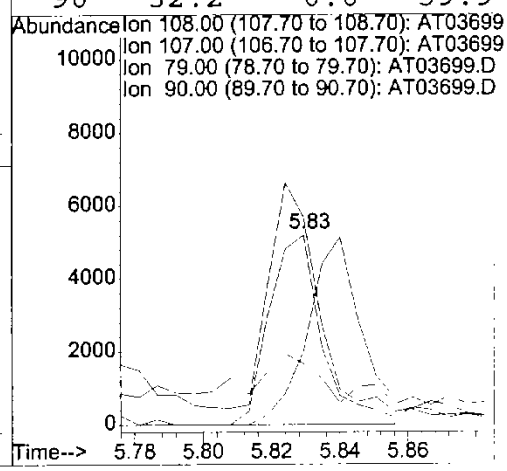
00547

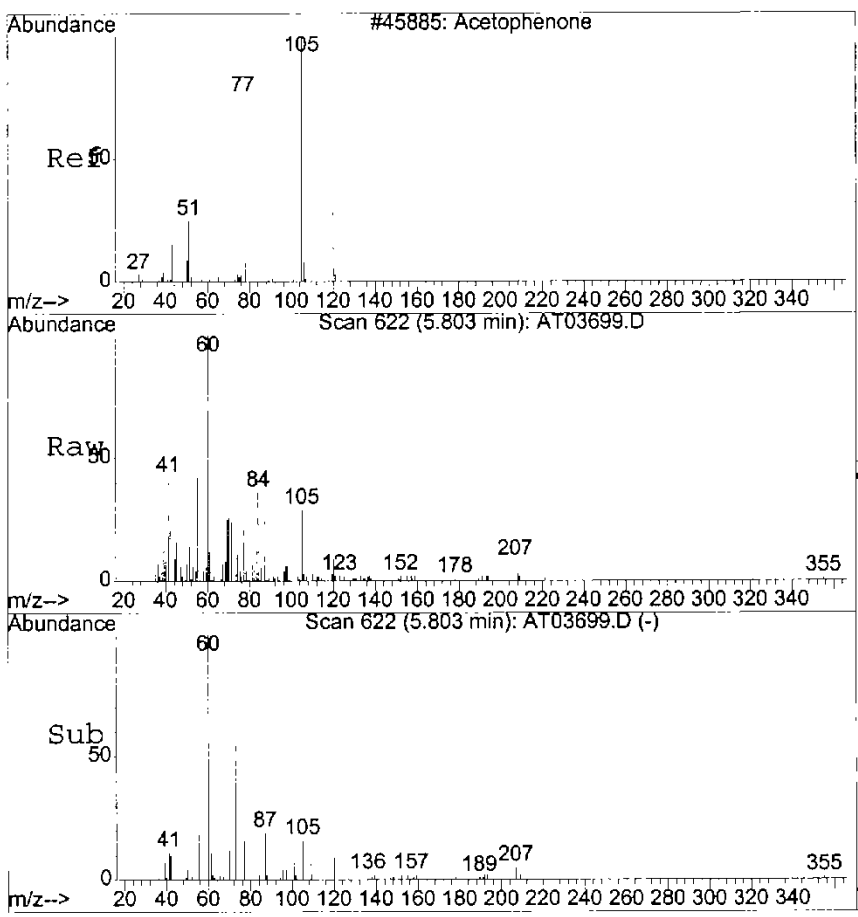


#19
3-&4-Methylphenol
Concen: 51.08 ug/L
RT: 5.83 min Scan# 627
Delta R.T. 0.03 min
Lab File: AT03699.D
Acq: 1 Mar 2005 1:10 pm

Tgt Ion:108 Resp: 5571

Ion	Ratio	Lower	Upper
108	100		
107	102.9	75.6	135.6
79	18.2	0.0	55.6
90	32.2	0.0	39.9

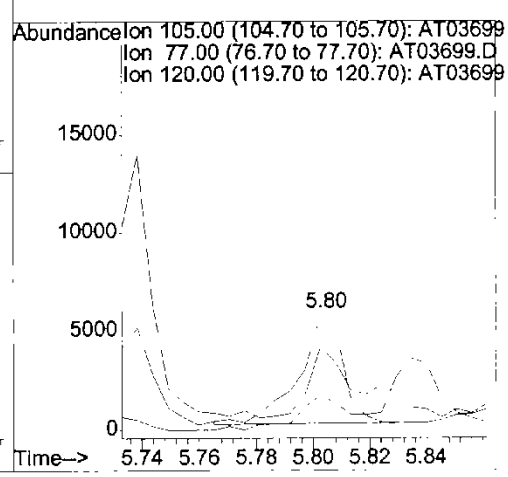


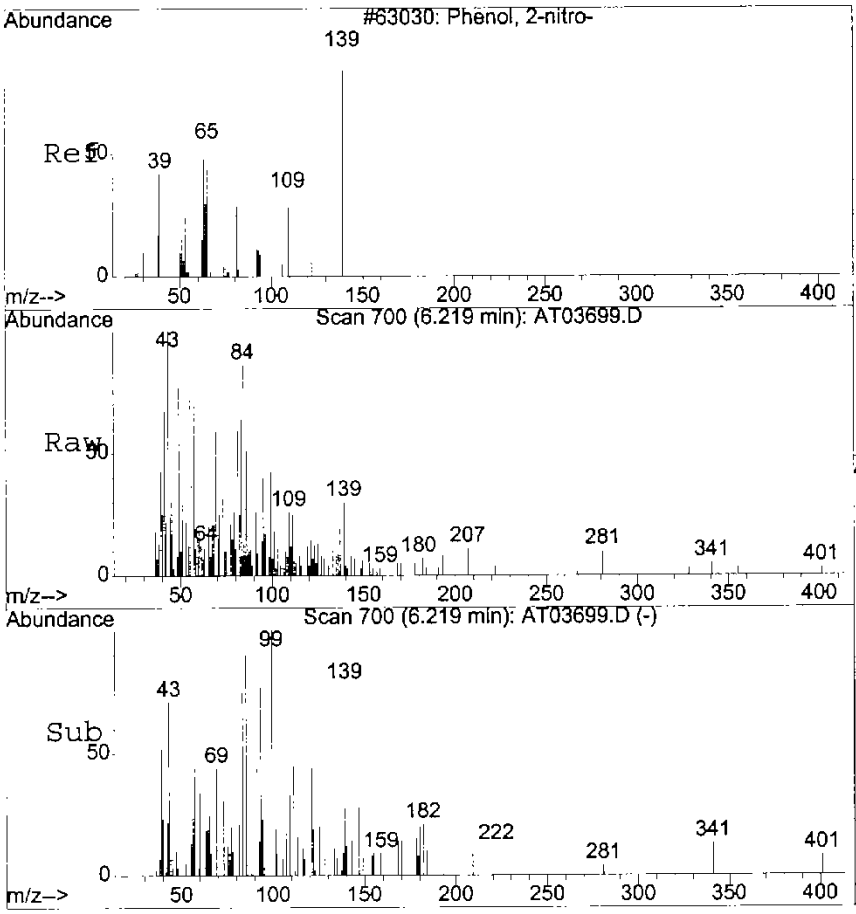


#21
Acetophenone
Concen: 23.21 ul/L
RT: 5.80 min Scan# 622
Delta R.T. 0.01 min
Lab File: AT03699.D
Acq: 1 Mar 2005 1:10 pm

Tgt Ion:105 Resp: 5869

Ion	Ratio	Lower	Upper
105	100		
77	80.6	78.1	138.1
120	37.8	0.5	60.5

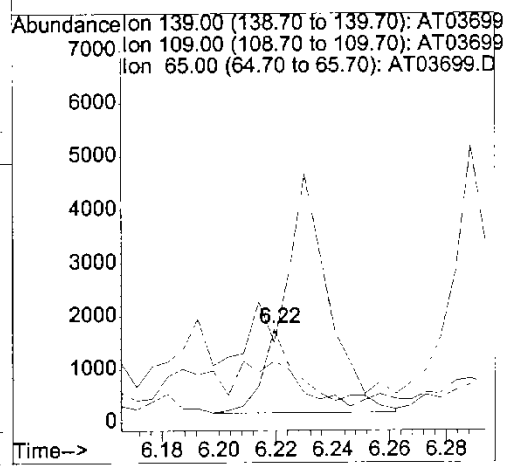


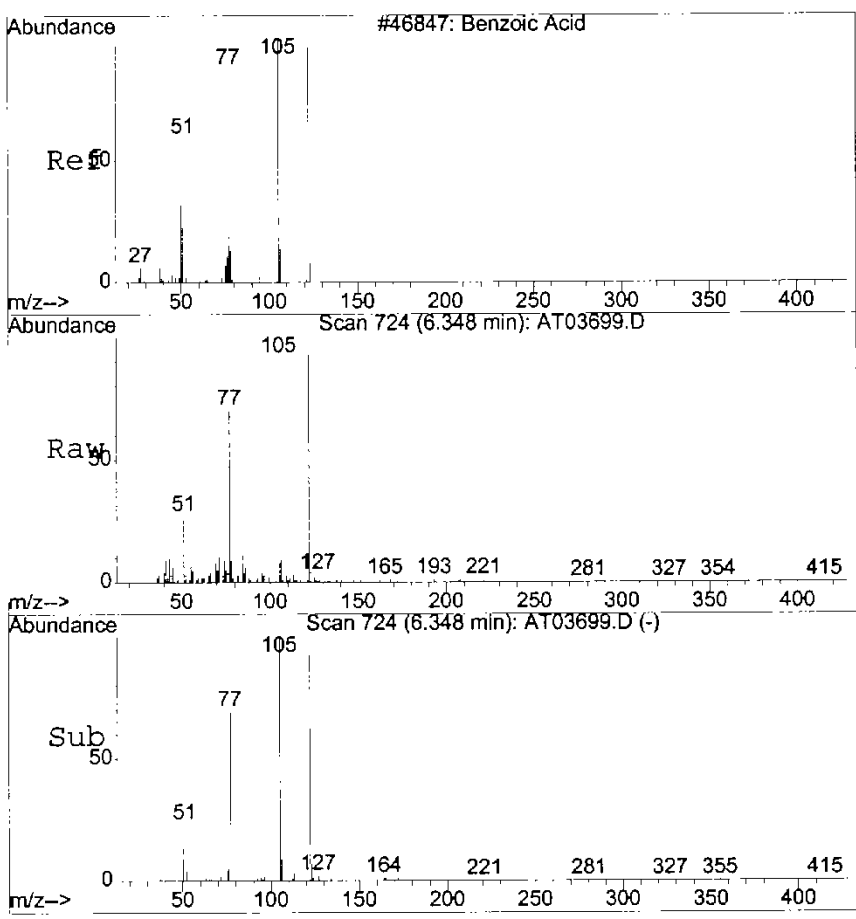


#27
2-Nitrophenol
Concen: 14.04 ug/L
RT: 6.22 min Scan# 700
Delta R.T. -0.01 min
Lab File: AT03699.D
Acq: 1 Mar 2005 1:10 pm

Tgt Ion:139 Resp: 1650

Ion	Ratio	Lower	Upper
139	100		
109	45.9	0.0	49.5
65	29.4	4.3	64.3

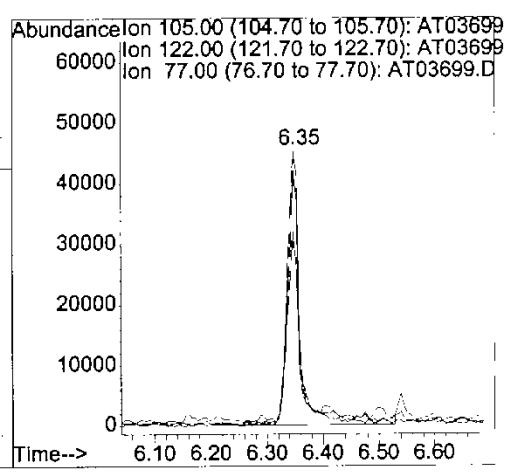




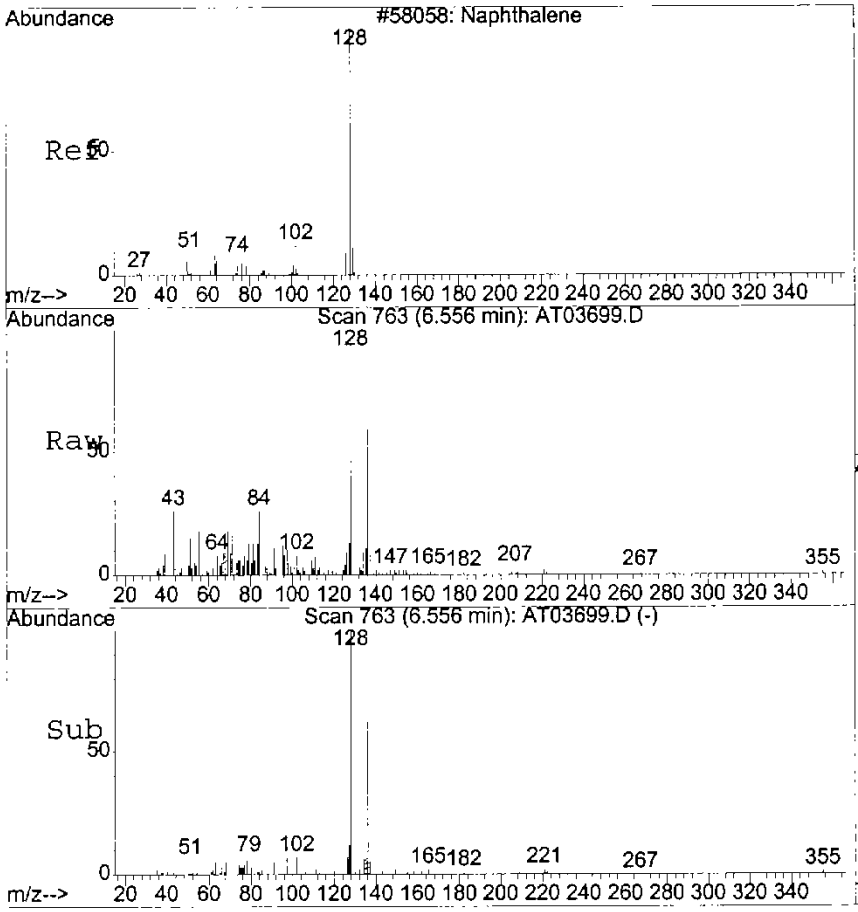
#30
Benzoic Acid
Concen: 1037.94 ug/L
RT: 6.35 min Scan# 724
Delta R.T. -0.04 min
Lab File: AT03699.D
Acq: 1 Mar 2005 1:10 pm

Tgt Ion:105 Resp: 79675

Ion	Ratio	Lower	Upper
105	100		
122	93.7	58.0	118.0
77	69.1	34.2	94.2



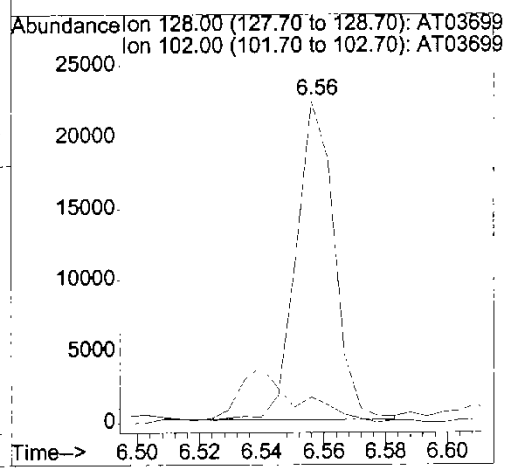
00549

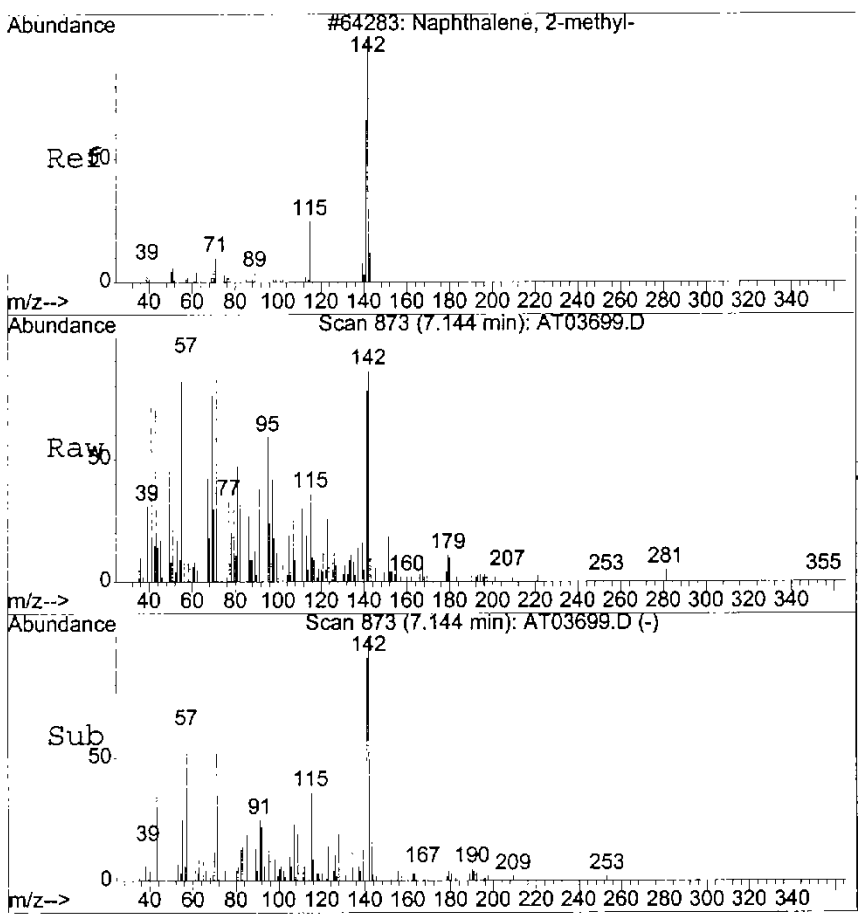


#33
Naphthalene
Concen: 23.92 ug/L
RT: 6.56 min Scan# 763
Delta R.T. -0.00 min
Lab File: AT03699.D
Acq: 1 Mar 2005 1:10 pm

Tgt Ion:128 Resp: 19009

Ion	Ratio	Lower	Upper
128	100		
102	7.0	0.0	37.8

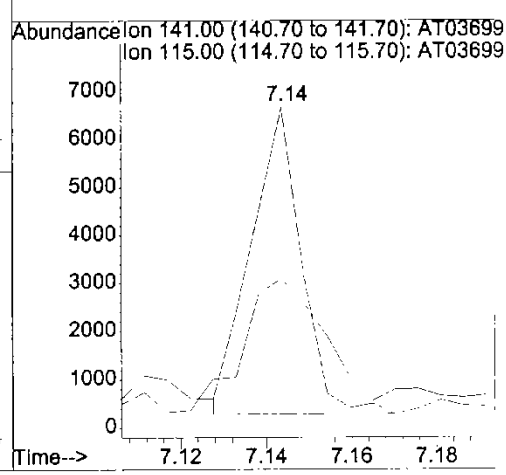


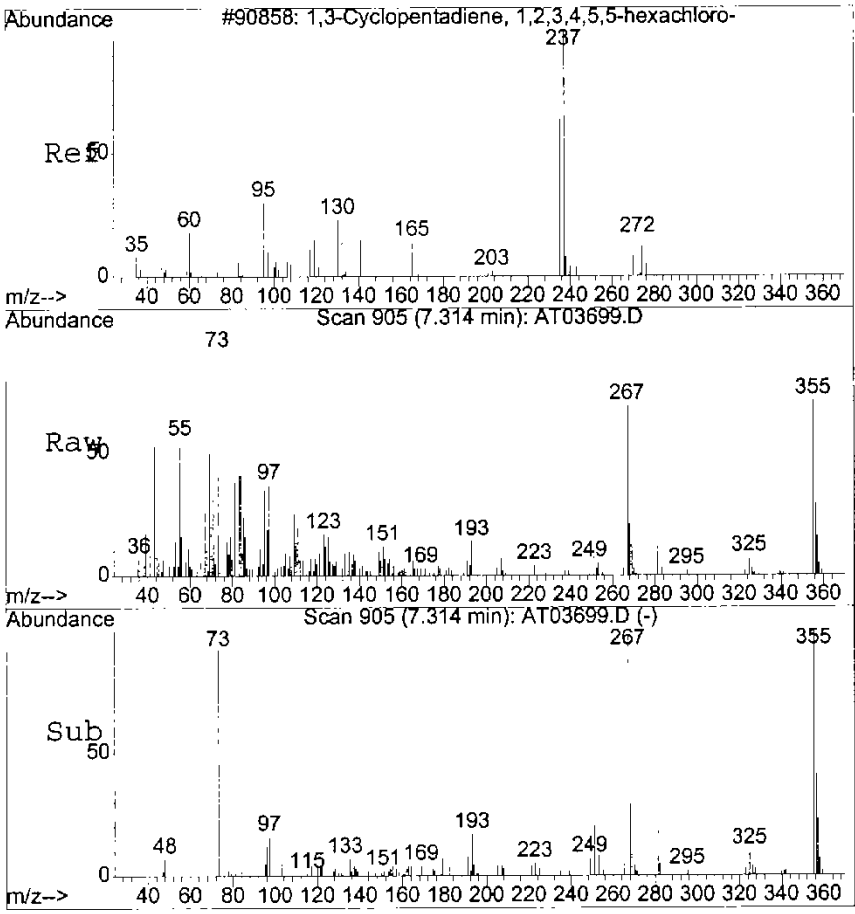


#37
2-Methylnaphthalene
Concen: 12.38 ug/L
RT: 7.14 min Scan# 873
Delta R.T. 0.02 min
Lab File: AT03699.D
Acq: 1 Mar 2005 1:10 pm

Tgt Ion:141 Resp: 5211

Ion	Ratio	Lower	Upper
141	100		
115	35.3	2.2	62.2

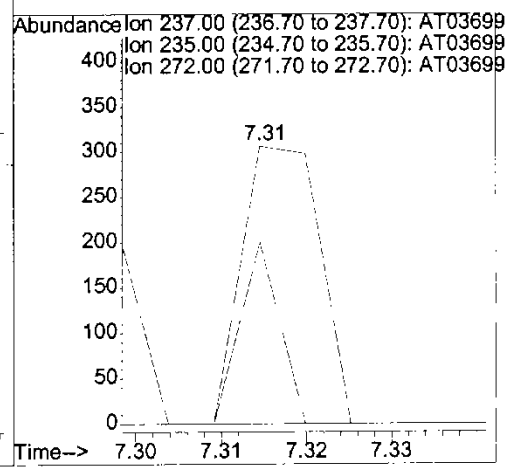


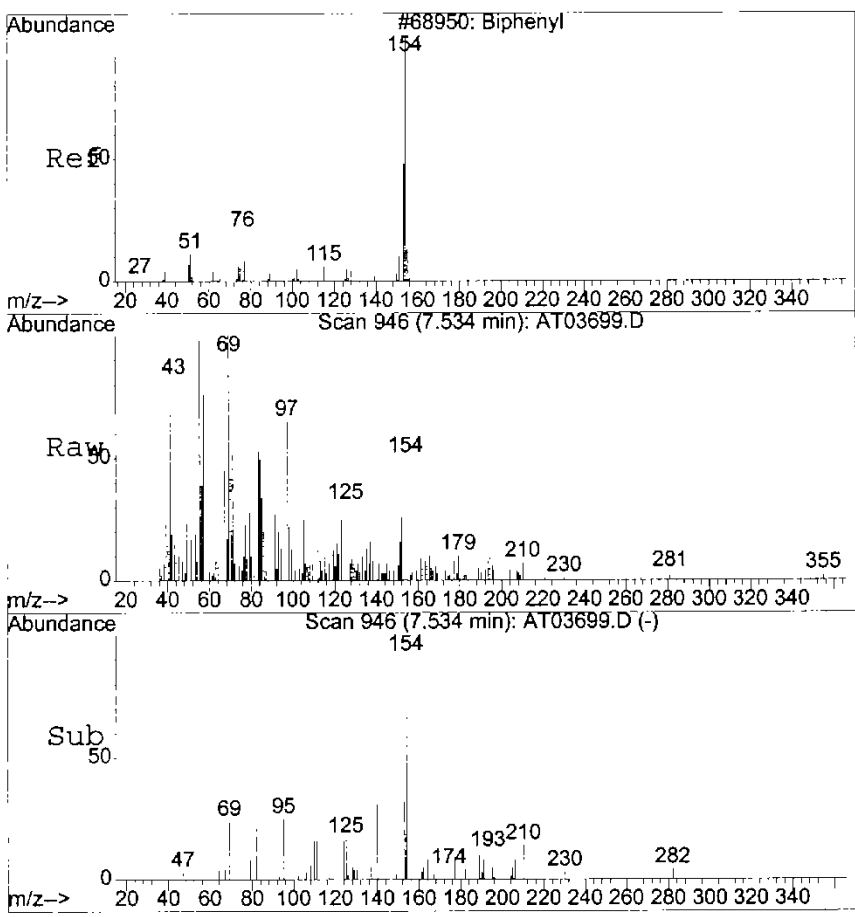


#40
Hexachlorocyclopentadiene
Concen: 29.91 ug/L
RT: 7.31 min Scan# 905
Delta R.T. 0.03 min
Lab File: AT03699.D
Acq: 1 Mar 2005 1:10 pm

Tgt Ion:237 Resp: 194

Ion	Ratio	Lower	Upper
237	100		
235	65.4	32.2	92.2
272	0.0	0.0	44.7

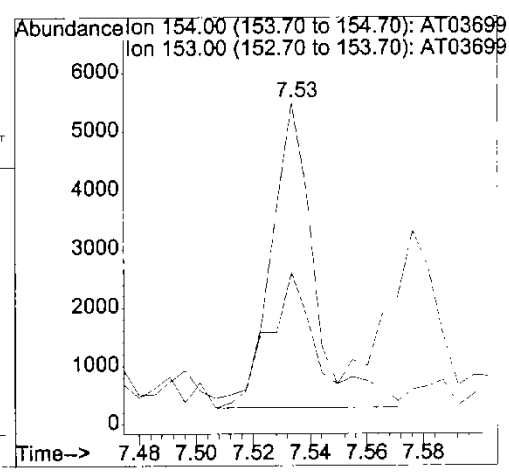


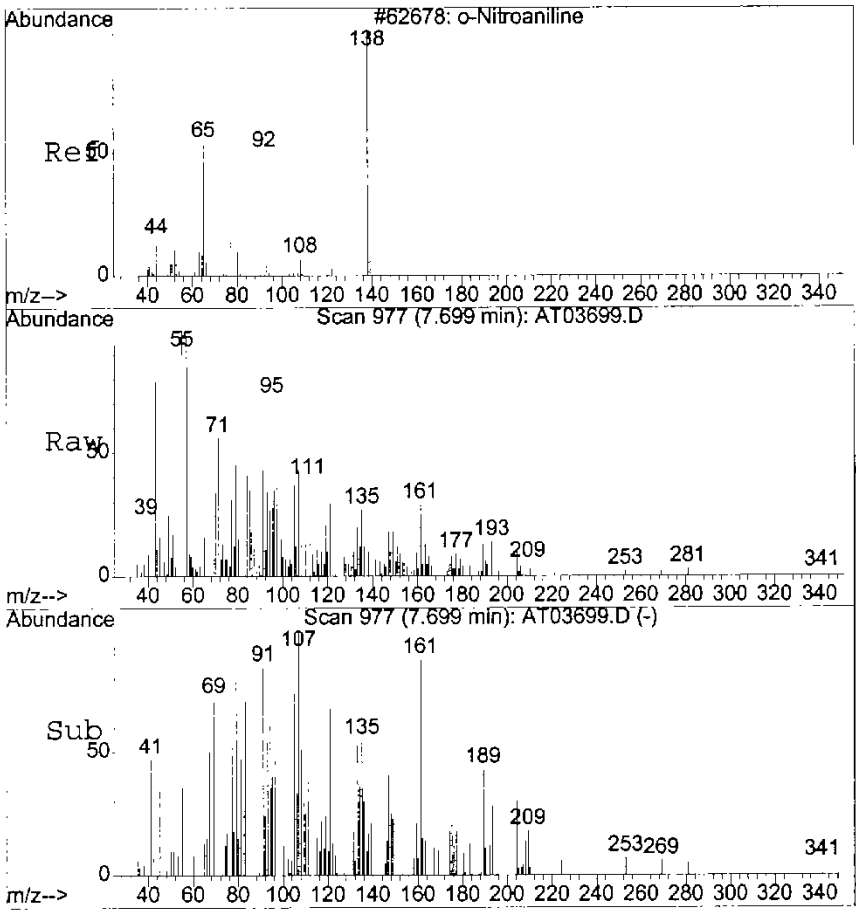


#46
Biphenyl
Concen: 9.14 ul/L
RT: 7.53 min Scan# 946
Delta R.T. -0.01 min
Lab File: AT03699.D
Acq: 1 Mar 2005 1:10 pm

Tgt Ion:154 Resp: 5419

Ion	Ratio	Lower	Upper
154	100		
153	39.5	9.4	69.4

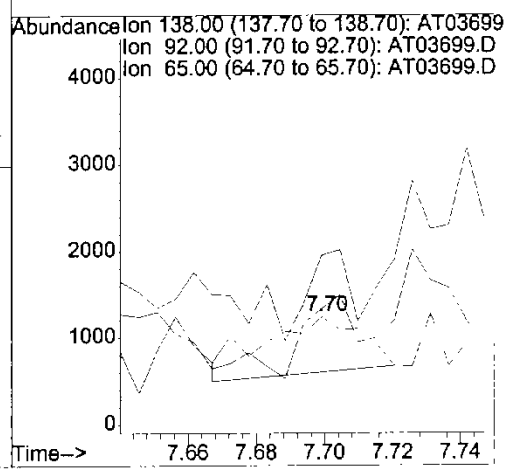


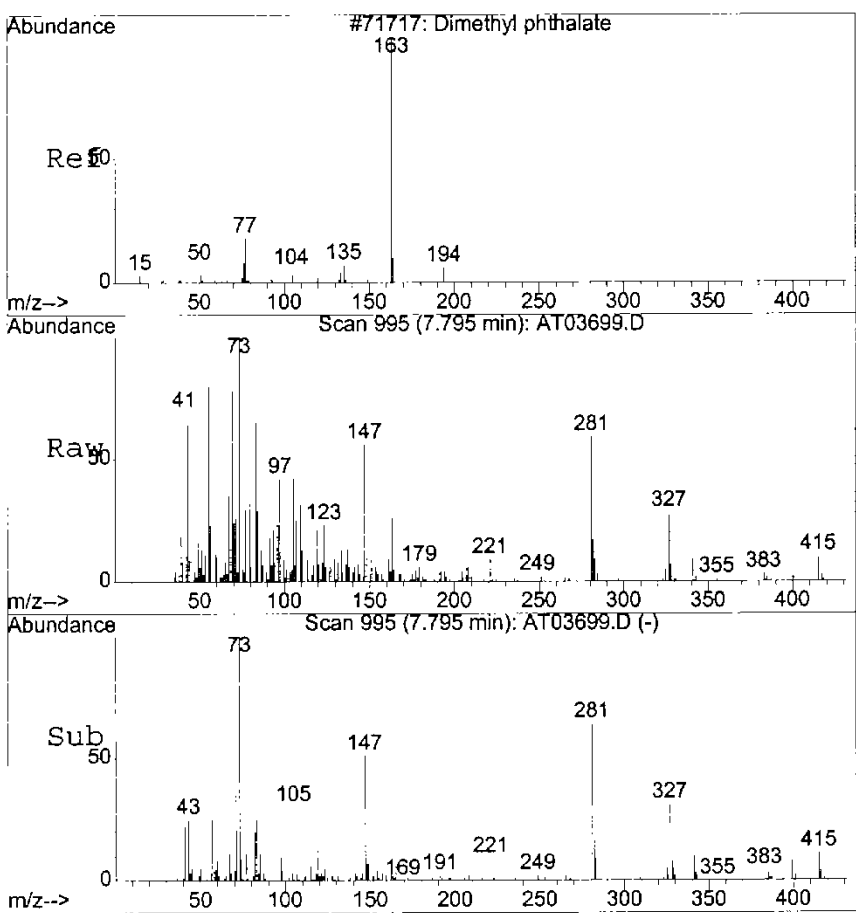


#47
2-Nitroaniline
Concen: 30.78 ug/L
RT: 7.70 min Scan# 977
Delta R.T. 0.06 min
Lab File: AT03699.D
Acq: 1 Mar 2005 1:10 pm

Tgt Ion:138 Resp: 1287

Ion	Ratio	Lower	Upper
138	100		
92	76.3	17.9	77.9
65	46.8	27.4	87.4

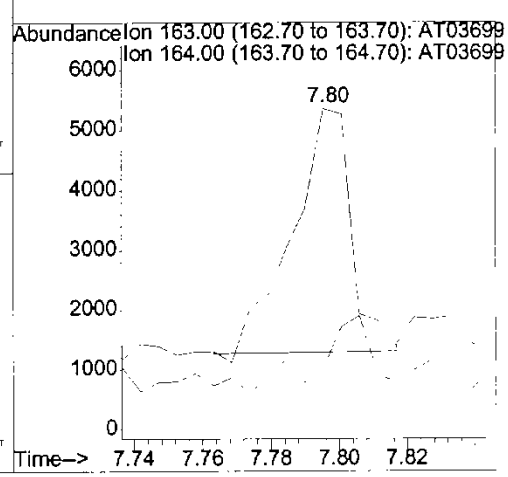


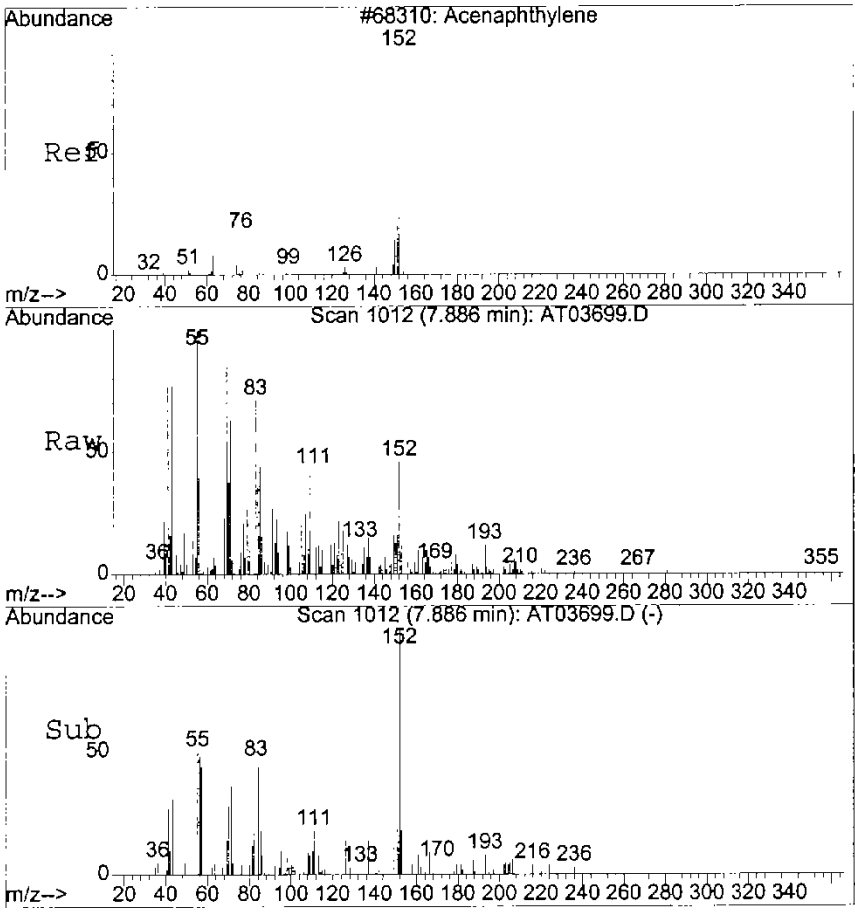


#48
Dimethylphthalate
Concen: 9.73 ug/L
RT: 7.80 min Scan# 995
Delta R.T. 0.00 min
Lab File: AT03699.D
Acq: 1 Mar 2005 1:10 pm

Tgt Ion:163 Resp: 4834

Ion	Ratio	Lower	Upper
163	100		
164	6.6	0.0	40.0

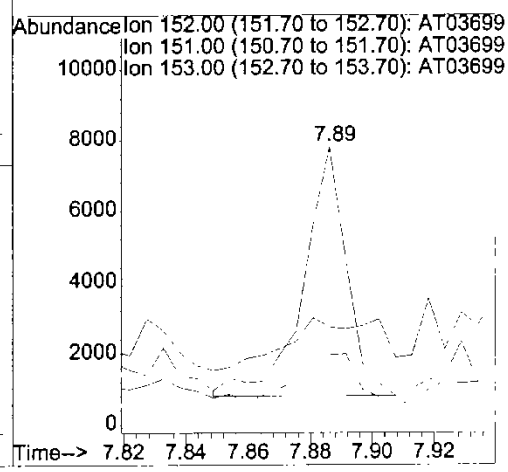


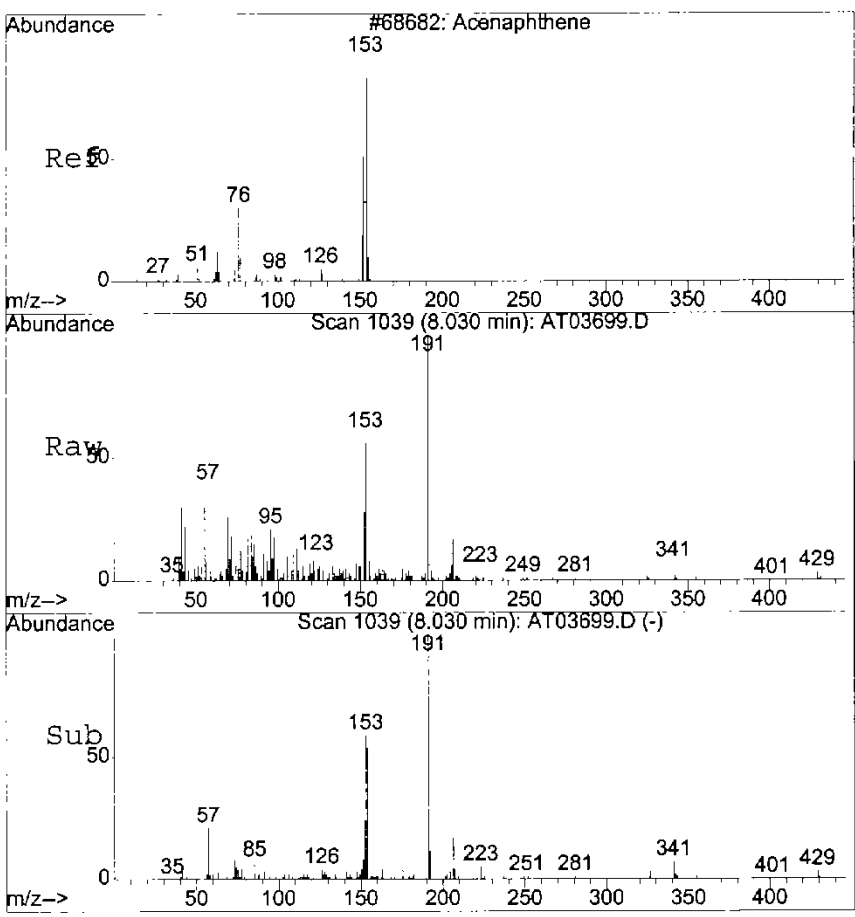


#49
Acenaphthylene
Concen: 9.26 ug/L
RT: 7.89 min Scan# 1012
Delta R.T. -0.00 min
Lab File: AT03699.D
Acq: 1 Mar 2005 1:10 pm

Tgt Ion:152 Resp: 6754

Ion	Ratio	Lower	Upper
152	100		
151	15.0	0.0	49.4
153	19.1	0.0	43.0

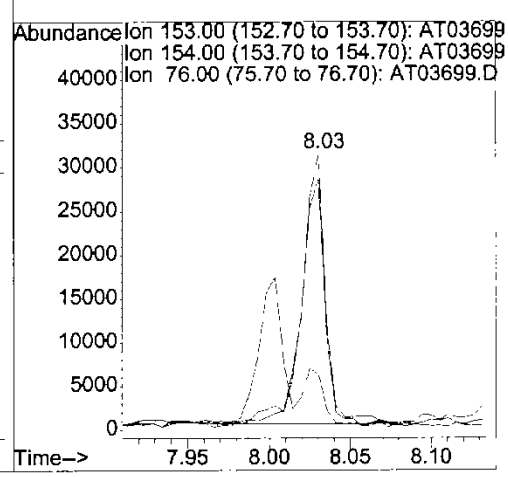


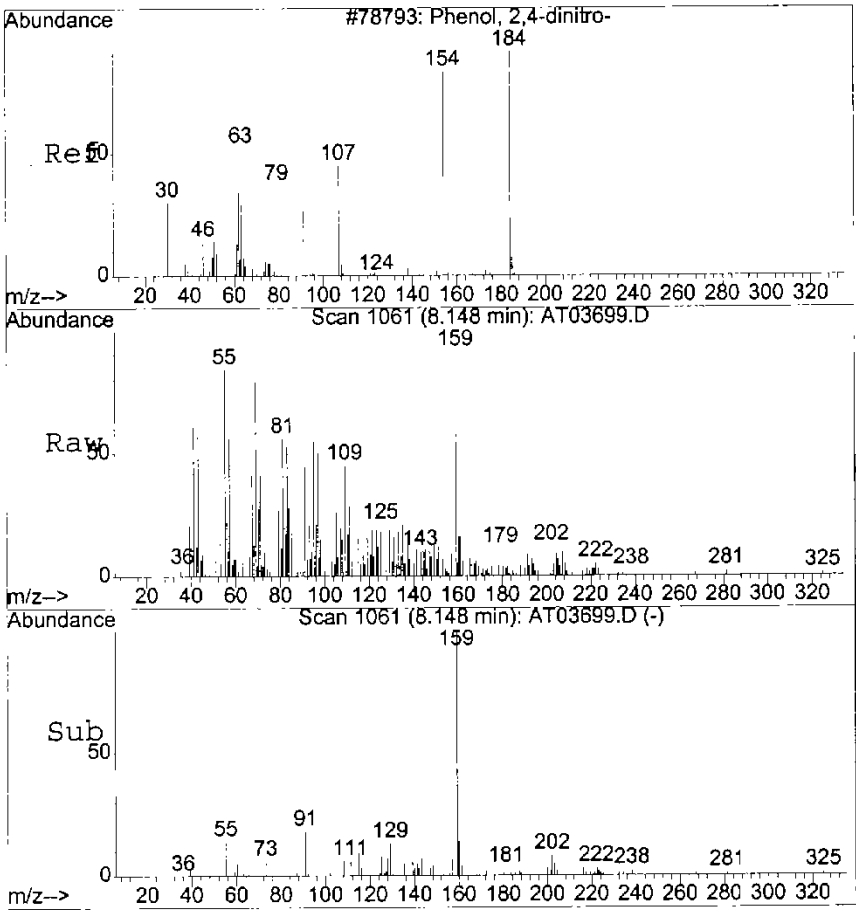


#52
Acenaphthene
Concen: 64.45 ug/L
RT: 8.03 min Scan# 1039
Delta R.T. 0.00 min
Lab File: AT03699.D
Acq: 1 Mar 2005 1:10 pm

Tgt Ion:153 Resp: 30938

Ion	Ratio	Lower	Upper
153	100		
154	91.0	53.5	113.5
76	19.1	0.0	50.2

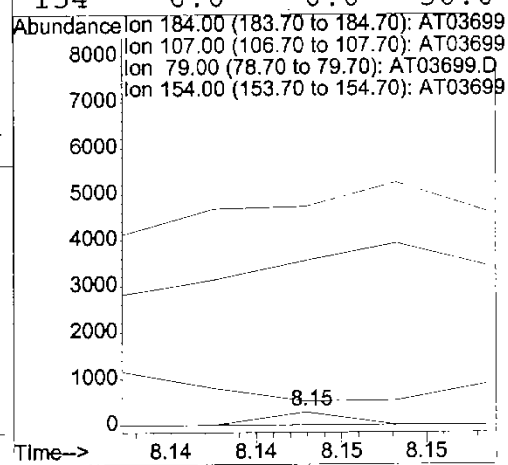


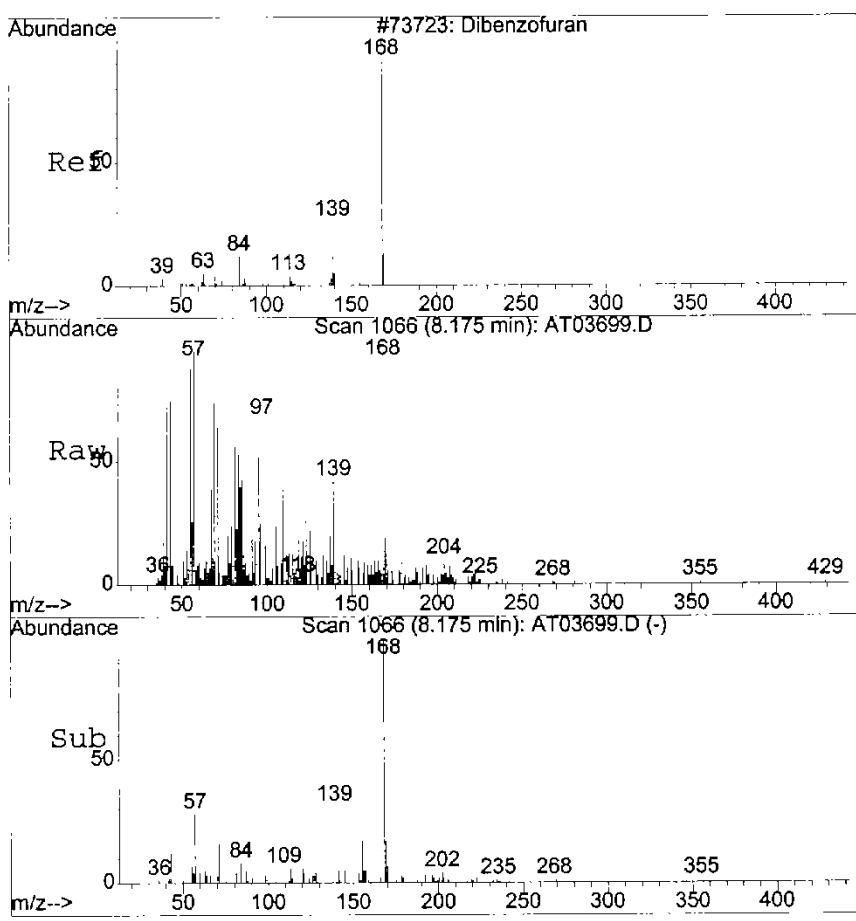


#53
2,4-Dinitrophenol
Concen: 344.89 ug/L
RT: 8.15 min Scan# 1061
Delta R.T. 0.09 min
Lab File: AT03699.D
Acq: 1 Mar 2005 1:10 pm

Tgt Ion:184 Resp: 91

Ion	Ratio	Lower	Upper
184	100		
107	7.4	0.0	58.6
79	0.0	0.0	48.2
154	0.0	0.0	30.0

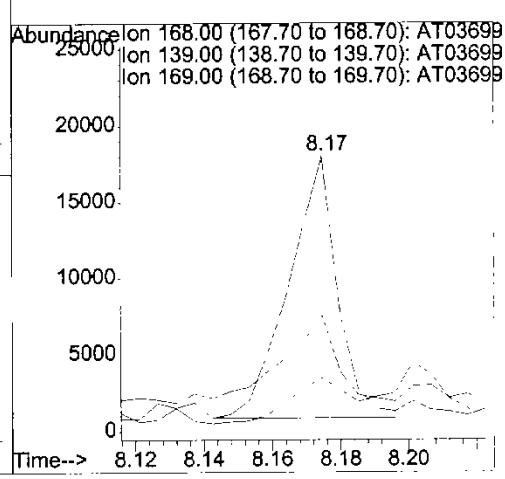


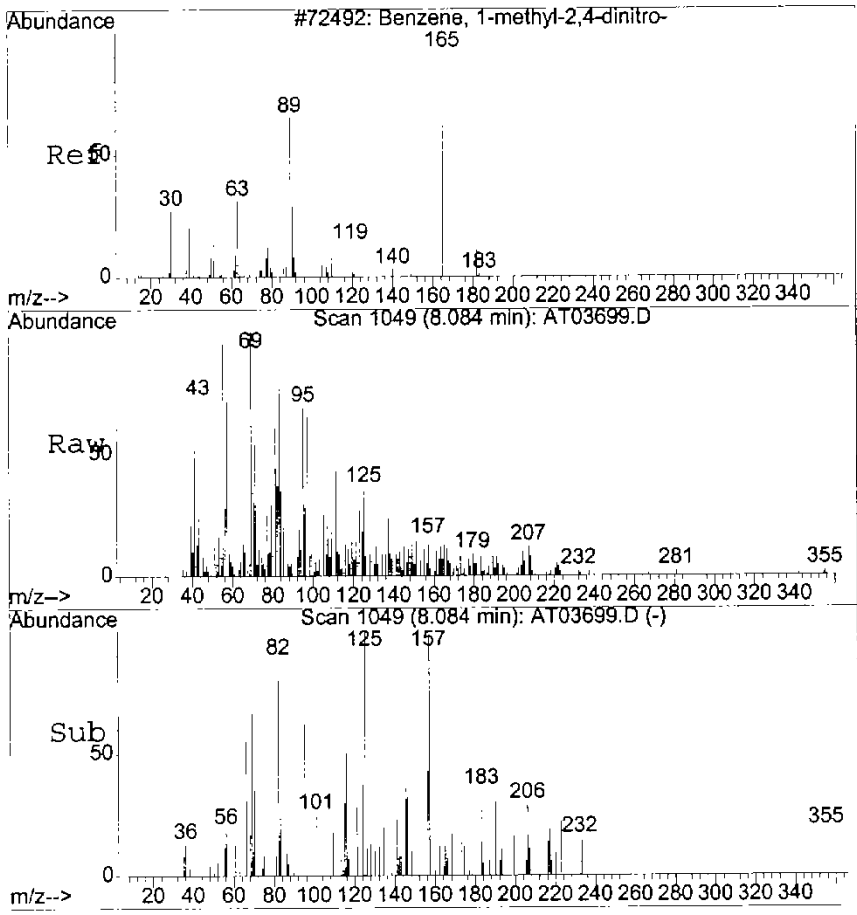


#55
Dibenzofuran
Concen: 26.15 ug/L
RT: 8.17 min Scan# 1066
Delta R.T. 0.00 min
Lab File: AT03699.D
Acq: 1 Mar 2005 1:10 pm

Tgt Ion:168 Resp: 16816

Ion	Ratio	Lower	Upper
168	100		
139	32.4	0.6	60.6
169	11.6	0.0	42.8

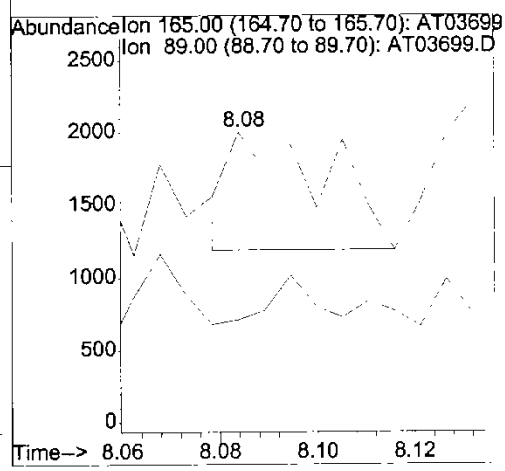


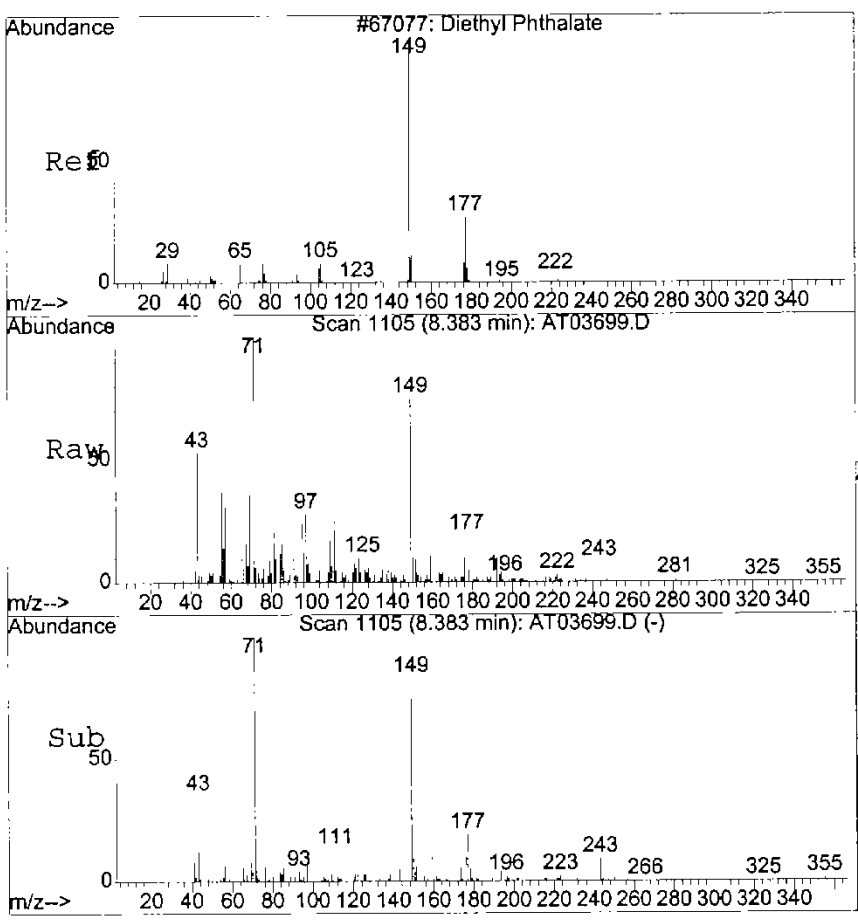


#56
2,4-Dinitrotoluene
Concen: 38.05 ug/L
RT: 8.08 min Scan# 1049
Delta R.T. -0.08 min
Lab File: AT03699.D
Acq: 1 Mar 2005 1:10 pm

Tgt Ion:165 Resp: 1102

Ion	Ratio	Lower	Upper
165	100		
89	32.1	22.1	82.1

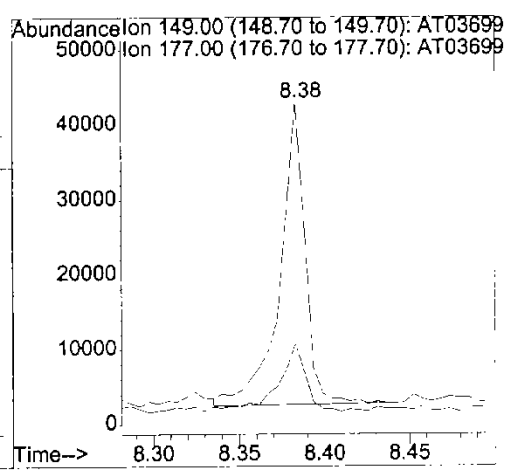


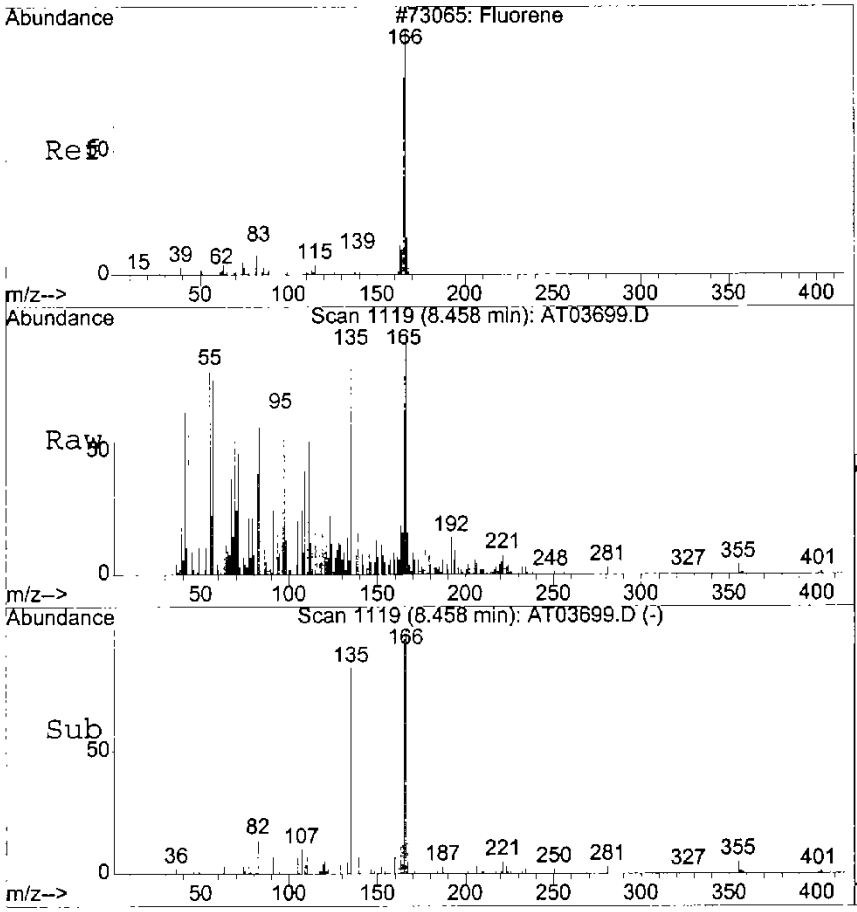


#59
Diethylphthalate
Concen: 78.93 ug/L
RT: 8.38 min Scan# 1105
Delta R.T. 0.01 min
Lab File: AT03699.D
Acq: 1 Mar 2005 1:10 pm

Tgt Ion:149 Resp: 41465

Ion	Ratio	Lower	Upper
149	100		
177	21.5	0.0	53.1

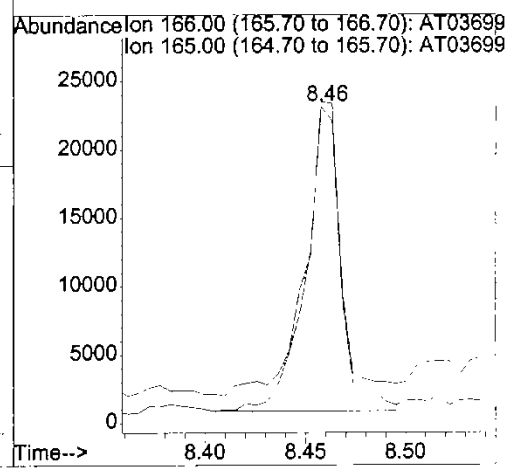


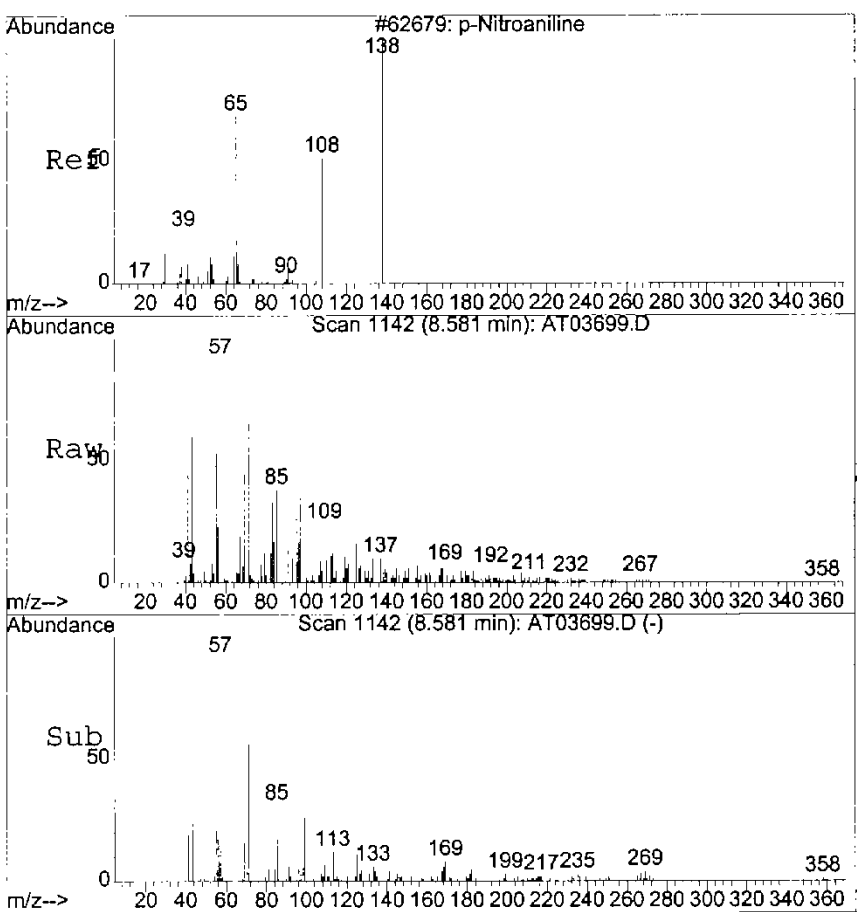


#60
Fluorene
Concen: 54.77 ug/L
RT: 8.46 min Scan# 1119
Delta R.T. -0.00 min
Lab File: AT03699.D
Acq: 1 Mar 2005 1:10 pm

Tgt Ion:166 Resp: 27109

Ion	Ratio	Lower	Upper
166	100		
165	95.4	65.1	125.1

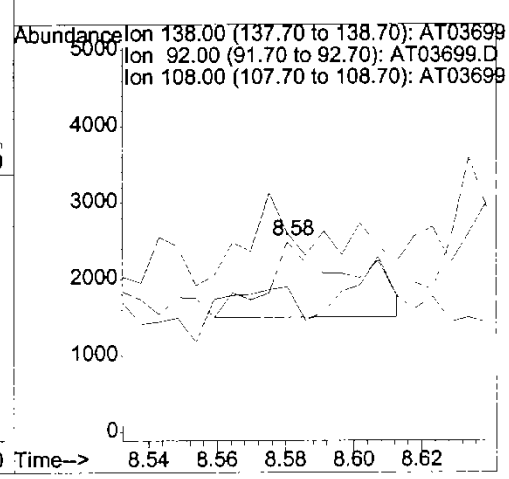


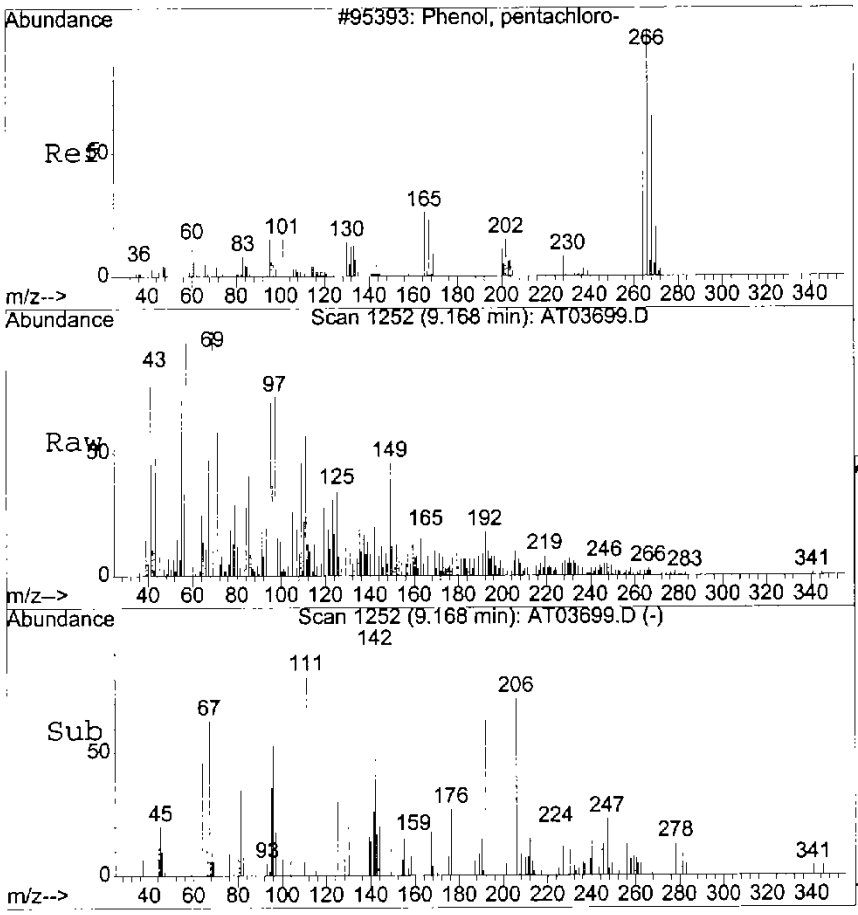


#62
4-Nitroaniline
Concen: 23.72 ug/L
RT: 8.58 min Scan# 1142
Delta R.T. 0.09 min
Lab File: AT03699.D
Acq: 1 Mar 2005 1:10 pm

Tgt Ion:138 Resp: 1678

Ion	Ratio	Lower	Upper
138	100		
92	16.8	11.1	71.1
108	55.3	21.9	81.9

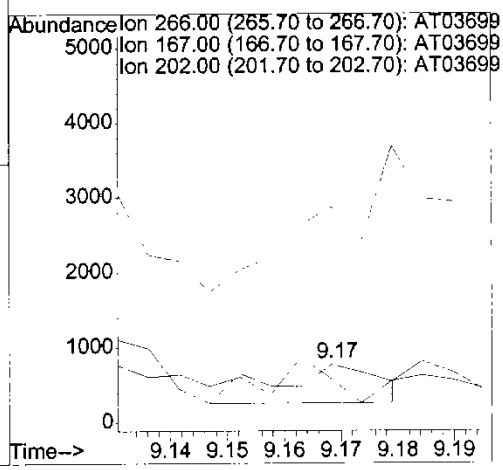


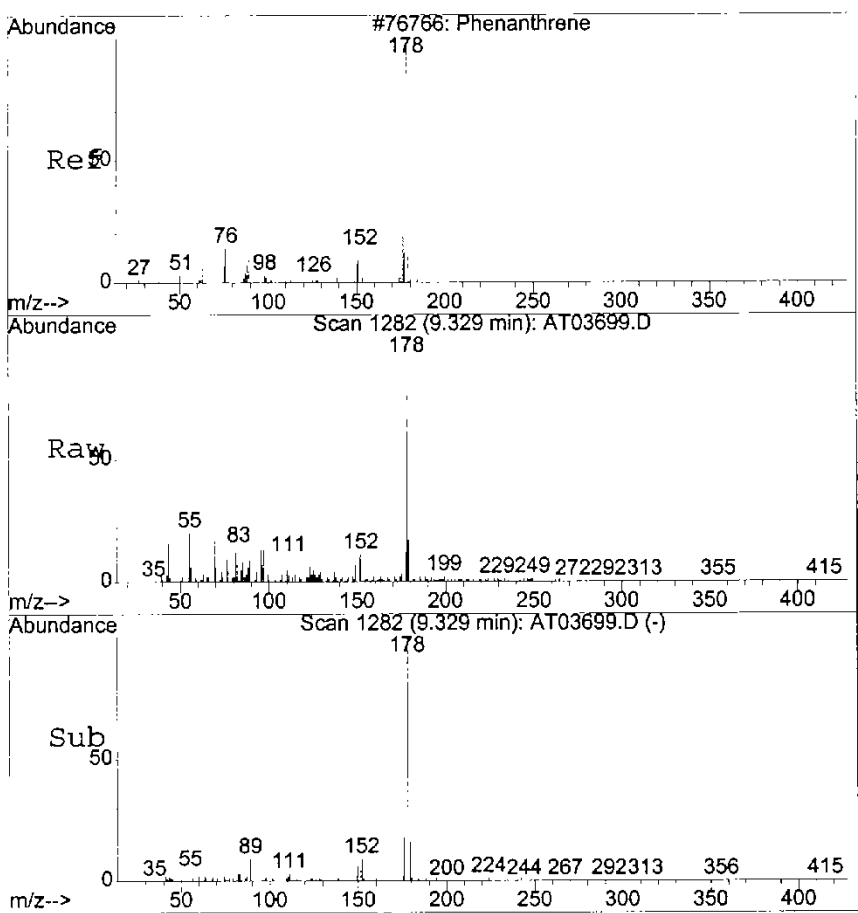


#70
Pentachlorophenol
Concen: 7.45 ug/L
RT: 9.17 min Scan# 1252
Delta R.T. 0.04 min
Lab File: AT03699.D
Acq: 1 Mar 2005 1:10 pm

Tgt Ion:266 Resp: 653

Ion	Ratio	Lower	Upper
266	100		
167	40.9	2.3	62.3
202	16.5	0.0	49.2

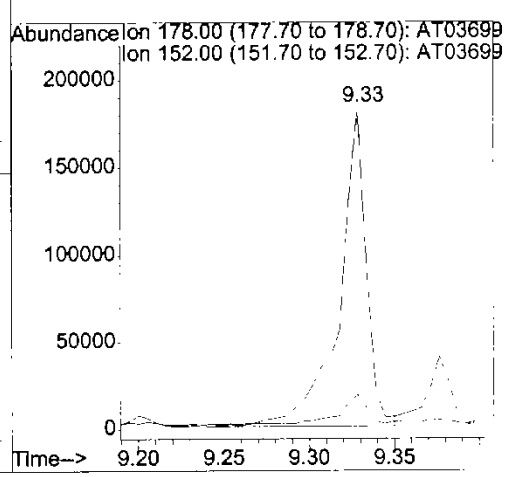


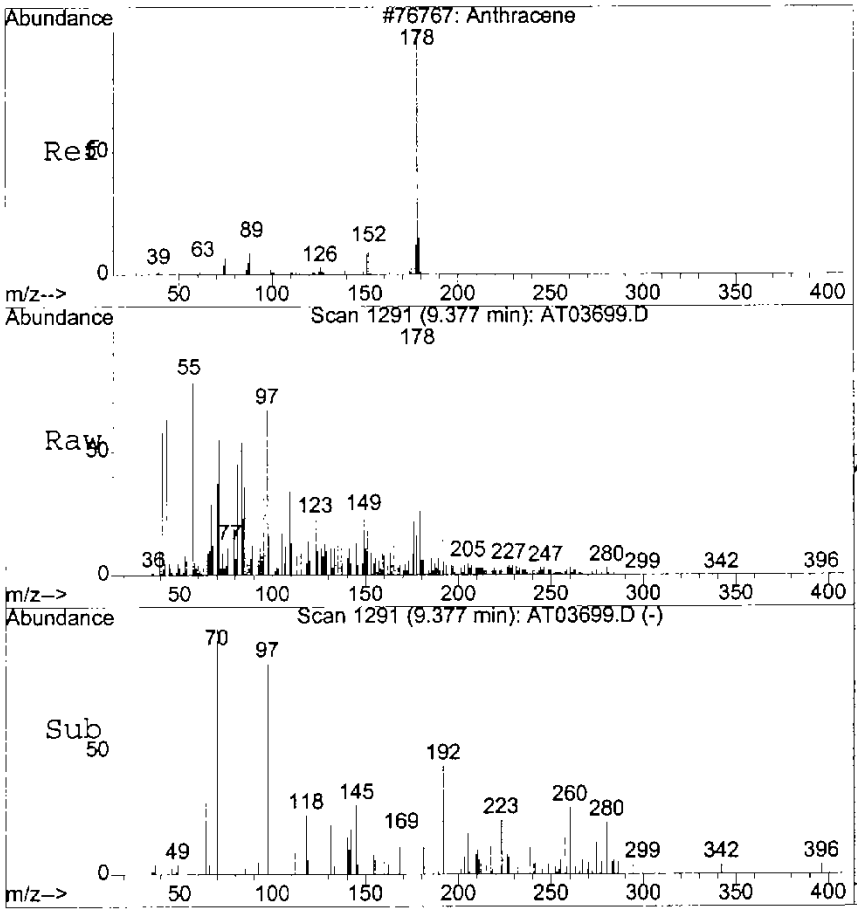


#71
Phenanthrene
Concen: 255.65 ug/L
RT: 9.33 min Scan# 1282
Delta R.T. 0.00 min
Lab File: AT03699.D
Acq: 1 Mar 2005 1:10 pm

Tgt Ion:178 Resp: 202603

Ion	Ratio	Lower	Upper
178	100		
152	8.9	0.0	38.6

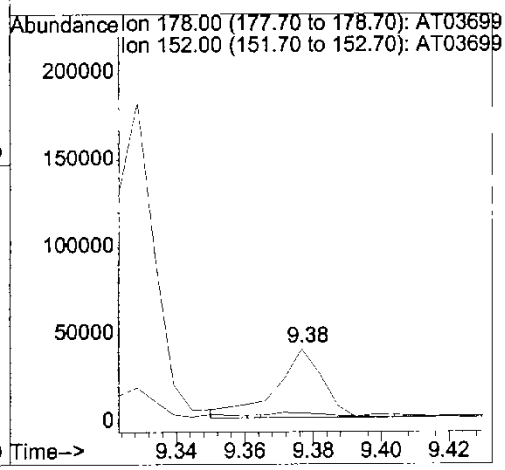


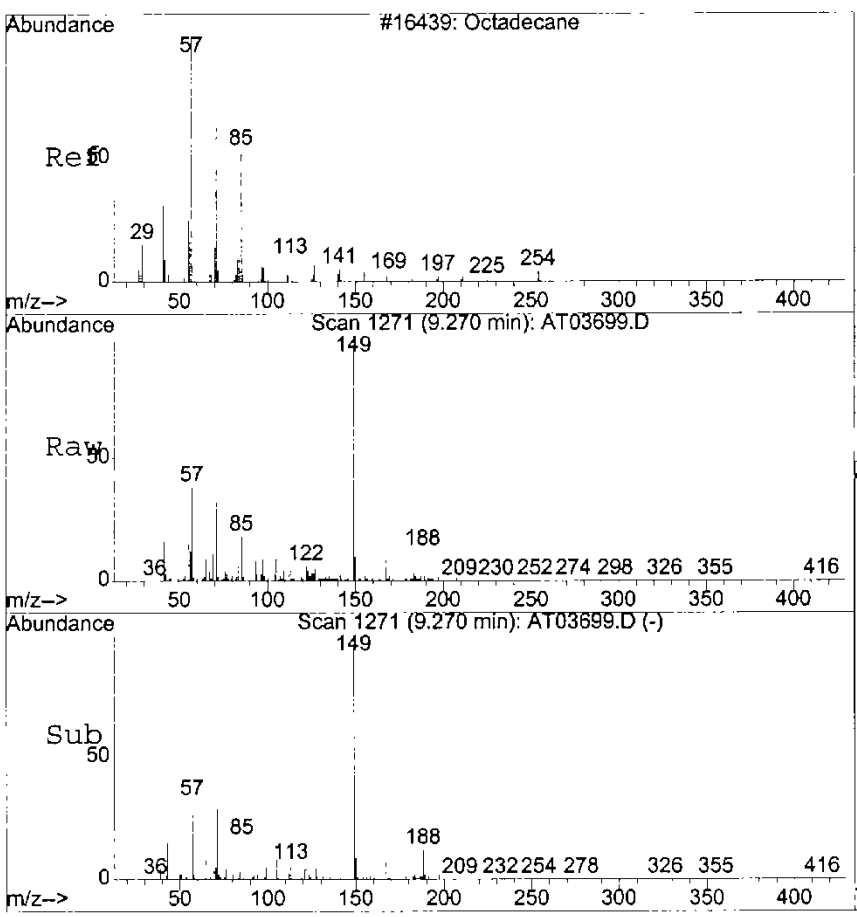


#72
Anthracene
Concen: 51.31 ug/L
RT: 9.38 min Scan# 1291
Delta R.T. 0.00 min
Lab File: AT03699.D
Acq: 1 Mar 2005 1:10 pm

Tgt Ion:178 Resp: 36881

Ion	Ratio	Lower	Upper
178	100		
152	2.5	0.0	37.1

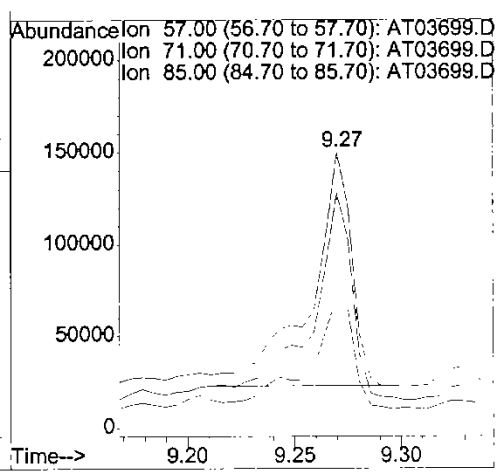


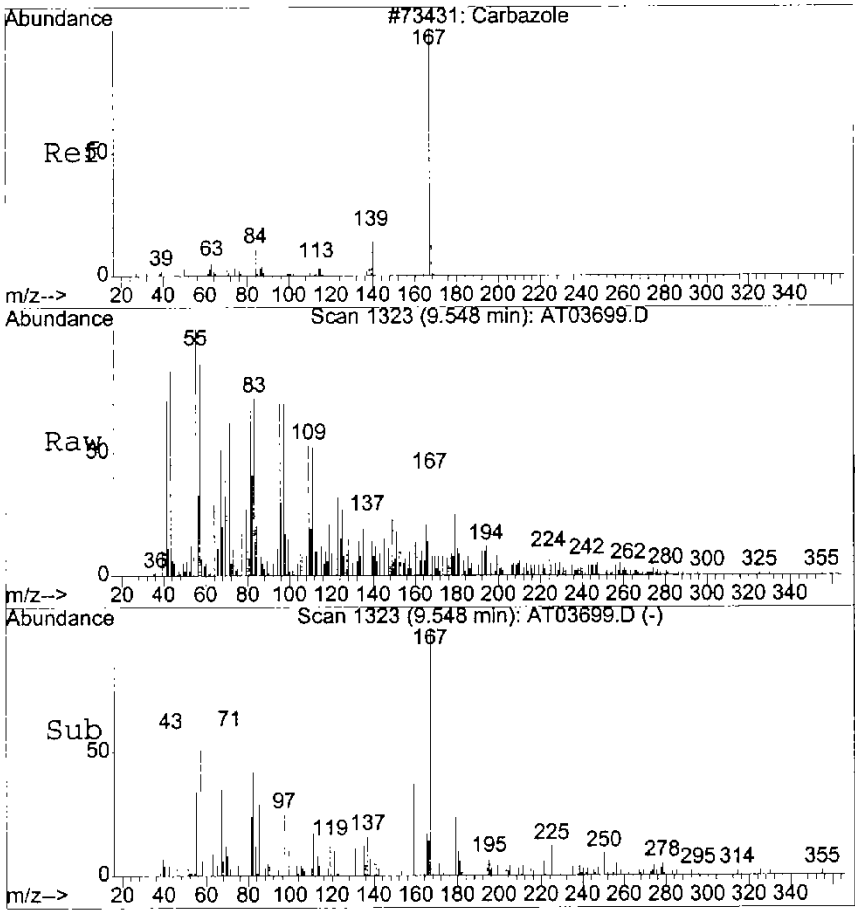


#73
Octadecane
Concen: 742.73 ul/L
RT: 9.27 min Scan# 1271
Delta R.T. 0.03 min
Lab File: AT03699.D
Acq: 1 Mar 2005 1:10 pm

Tgt Ion: 57 Resp: 170819

Ion	Ratio	Lower	Upper
57	100		
71	95.7	51.7	96.1
85	51.4	37.4	69.4

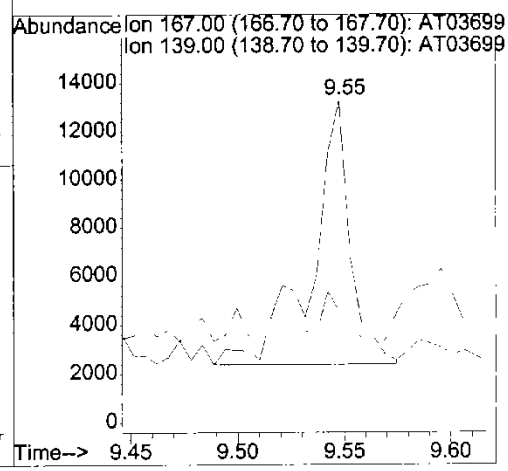


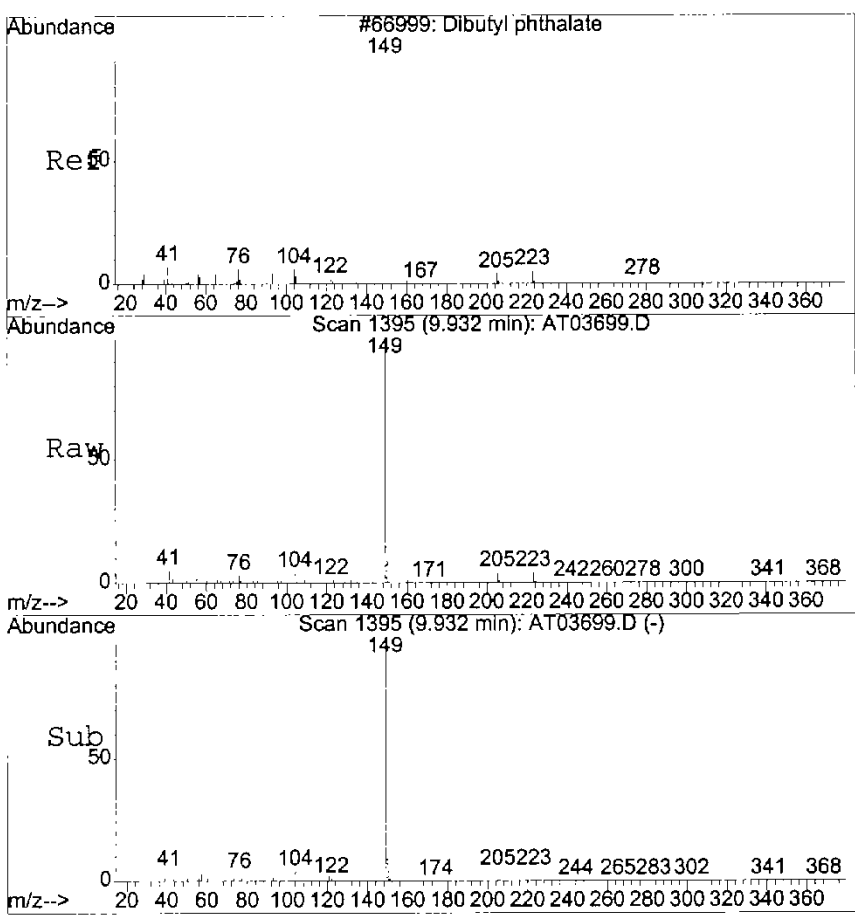


#74
Carbazole
Concen: 28.18 ug/L
RT: 9.55 min Scan# 1323
Delta R.T. 0.01 min
Lab File: AT03699.D
Acq: 1 Mar 2005 1:10 pm

Tgt Ion:167 Resp: 13712

Ion	Ratio	Lower	Upper
167	100		
139	5.8	0.0	42.1

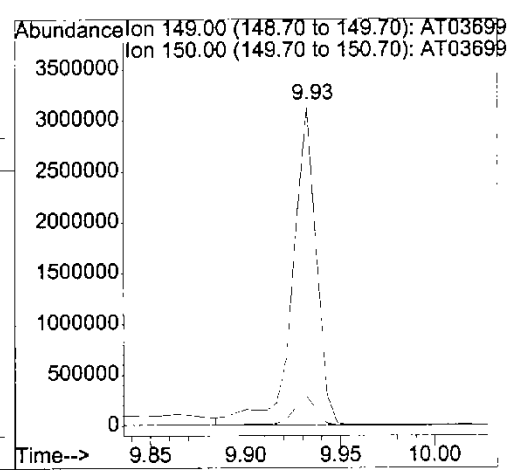


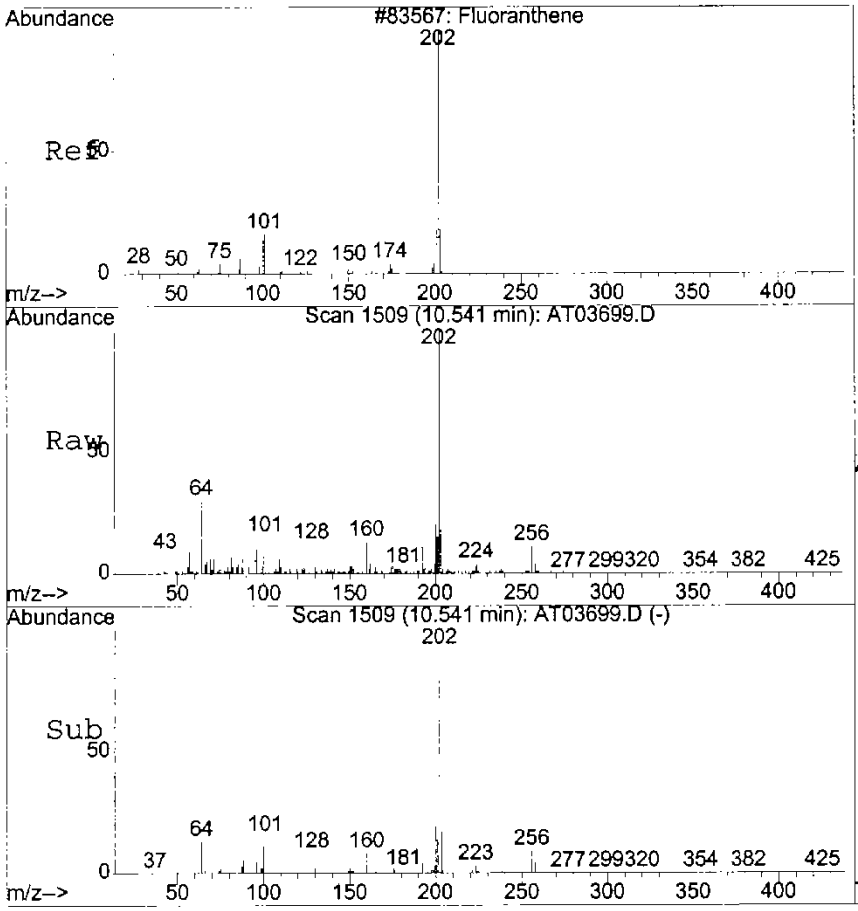


#75
Di-n-butylphthalate
Concen: 3242.46 ug/L
RT: 9.93 min Scan# 1395
Delta R.T. 0.00 min
Lab File: AT03699.D
Acq: 1 Mar 2005 1:10 pm

Tgt Ion:149 Resp: 2762221

Ion	Ratio	Lower	Upper
149	100		
150	9.0	0.0	38.8

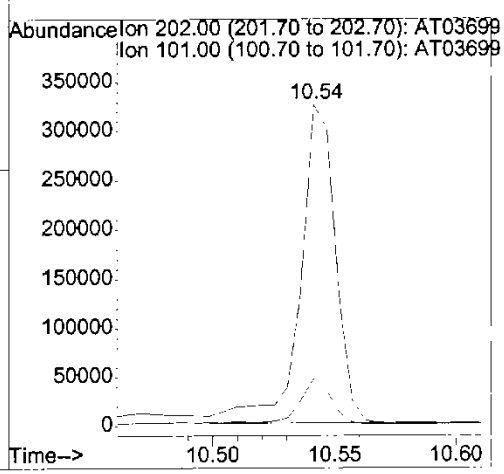


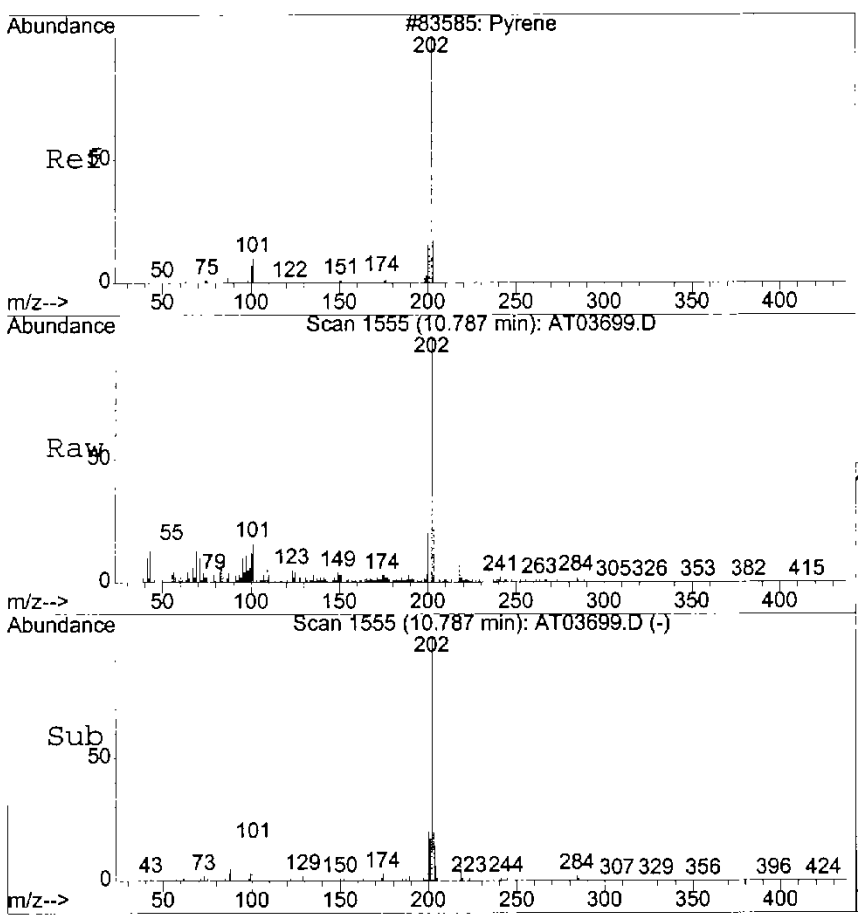


#76
Fluoranthene
Concen: 406.23 ug/L
RT: 10.54 min Scan# 1509
Delta R.T. 0.00 min
Lab File: AT03699.D
Acq: 1 Mar 2005 1:10 pm

Tgt Ion:202 Resp: 328586

Ion	Ratio	Lower	Upper
202	100		
101	14.2	0.0	43.1

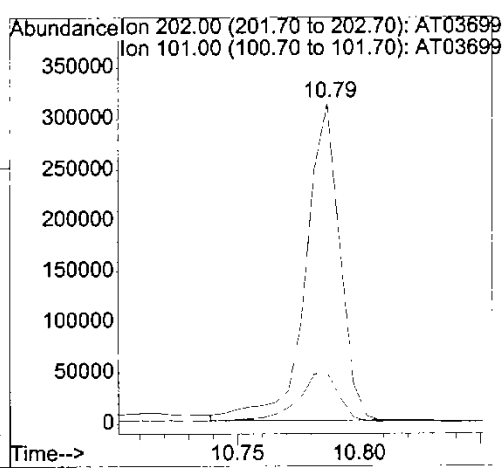


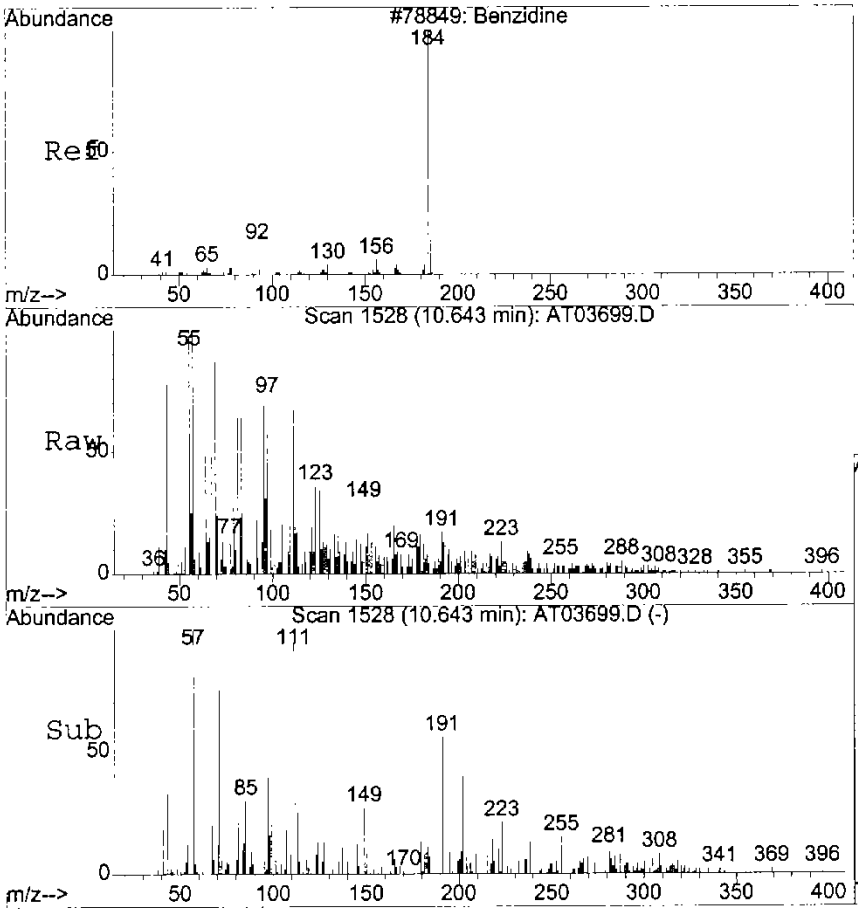


#77
Pyrene
Concen: 365.29 ug/L
RT: 10.79 min Scan# 1555
Delta R.T. 0.00 min
Lab File: AT03699.D
Acq: 1 Mar 2005 1:10 pm

Tgt Ion:202 Resp: 306464

Ion	Ratio	Lower	Upper
202	100		
101	14.8	0.0	44.9

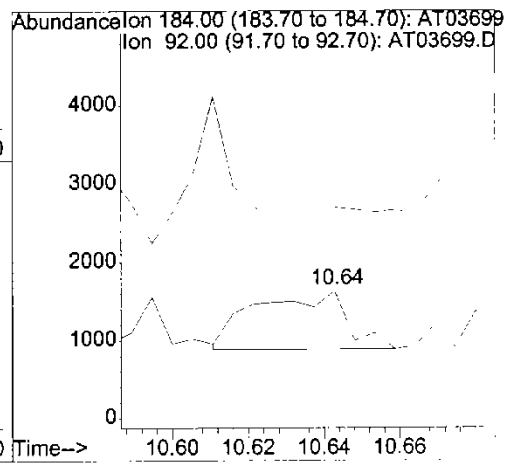


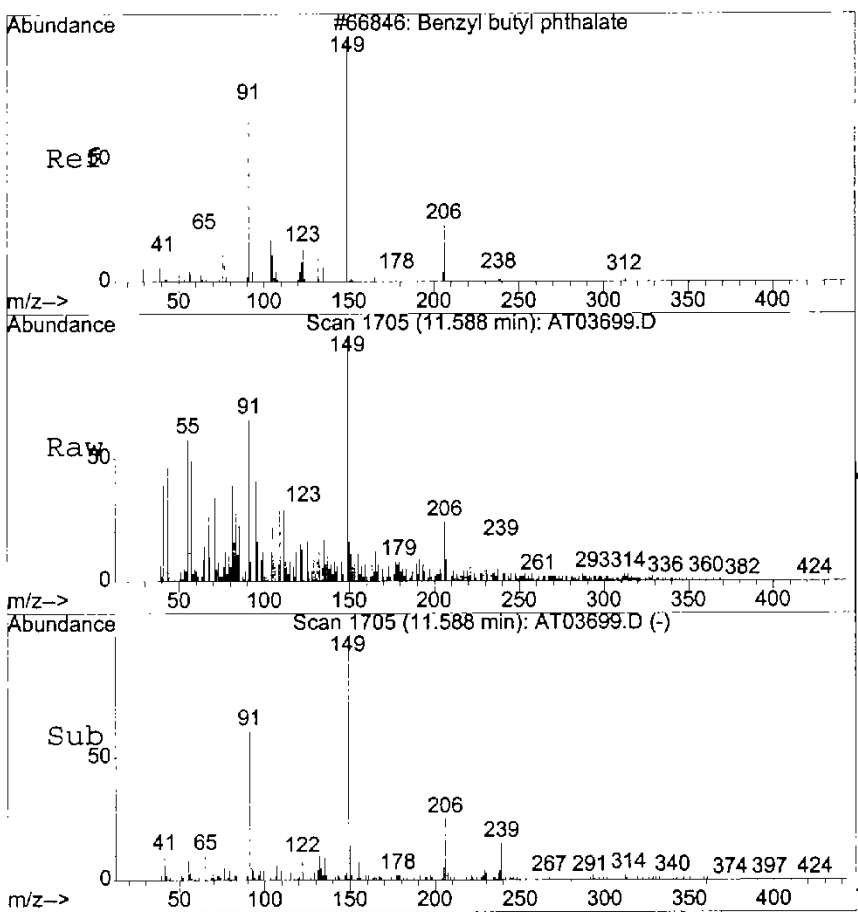


#78
Benzidine
Concen: 10.78 ul/l
RT: 10.64 min Scan# 1528
Delta R.T. -0.07 min
Lab File: AT03699.D
Acq: 1 Mar 2005 1:10 pm

Tgt Ion:184 Resp: 1240

Ion	Ratio	Lower	Upper
184	100		
92	22.5	0.0	39.3

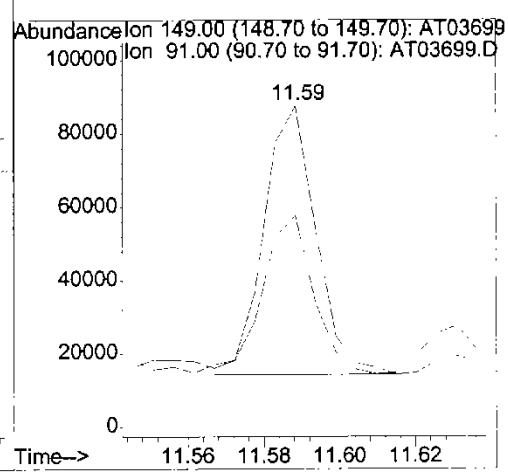


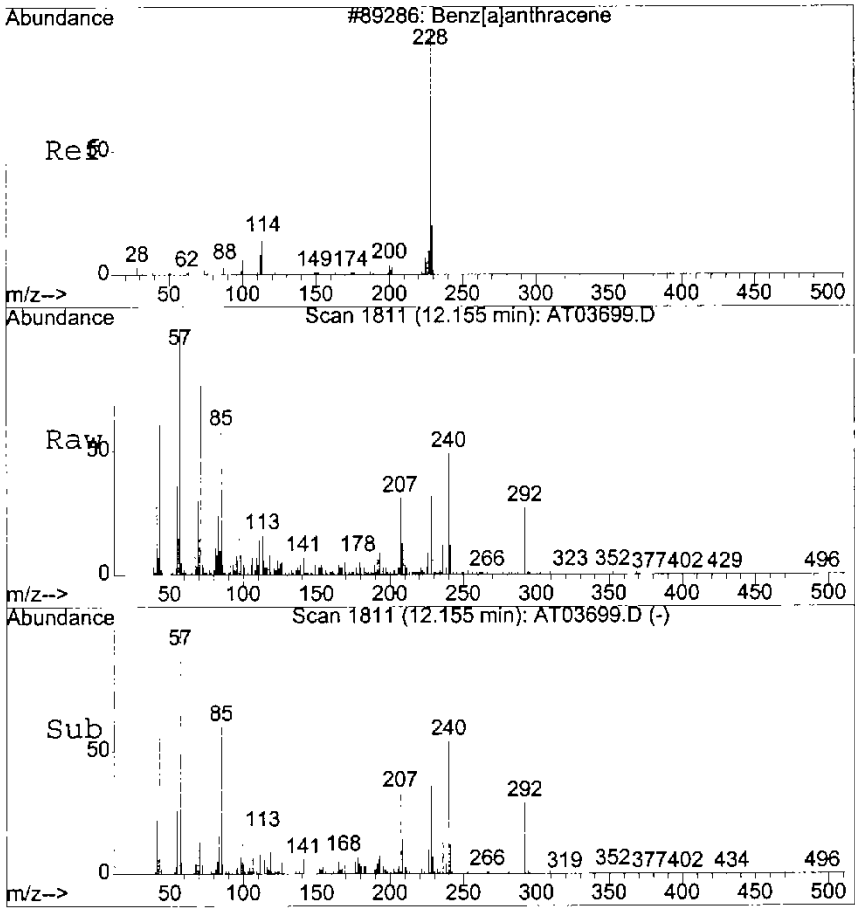


#81
Butylbenzylphthalate
Concen: 264.38 ug/L
RT: 11.59 min Scan# 1705
Delta R.T. 0.01 min
Lab File: AT03699.D
Acq: 1 Mar 2005 1:10 pm

Tgt Ion:149 Resp: 69809

Ion	Ratio	Lower	Upper
149	100		
91	57.9	30.6	90.6

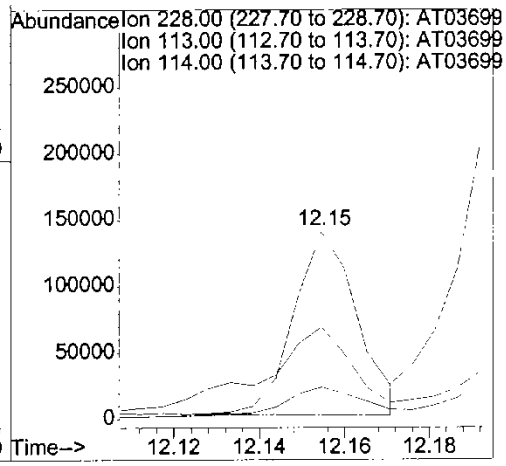


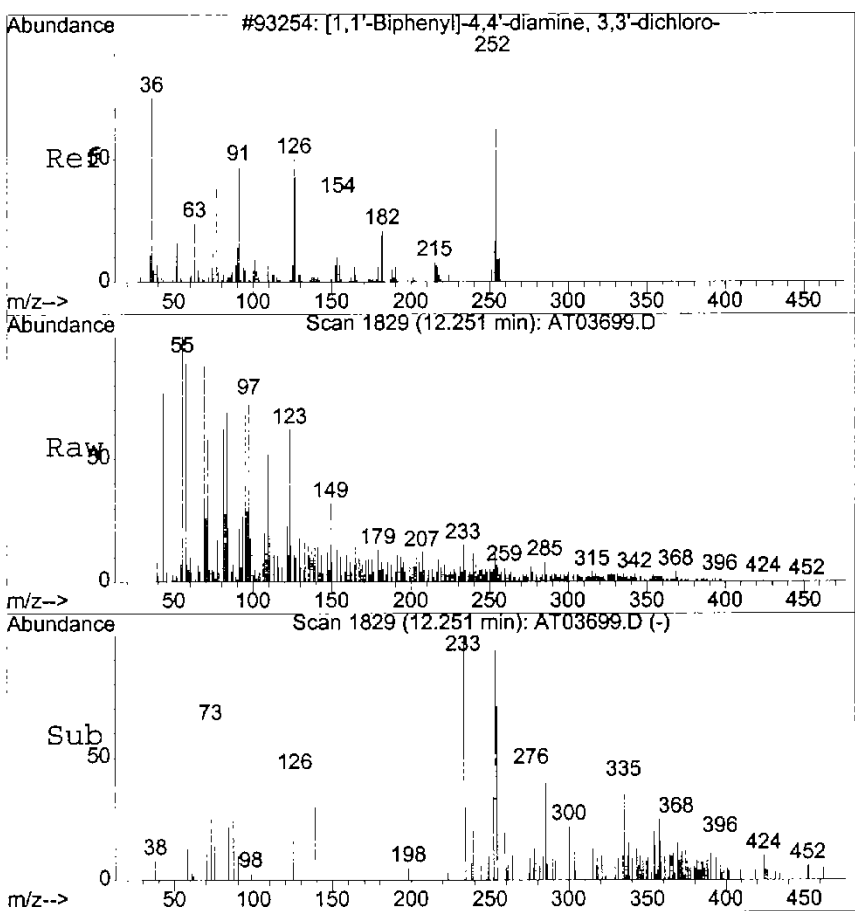


#82
Benzo(a)anthracene
Concen: 199.51 ug/L m
RT: 12.15 min Scan# 1811
Delta R.T. 0.00 min
Lab File: AT03699.D
Acq: 1 Mar 2005 1:10 pm

Tgt Ion:228 Resp: 142483

Ion	Ratio	Lower	Upper
228	100		
113	49.3	0.0	41.1#
114	17.2	0.0	42.7

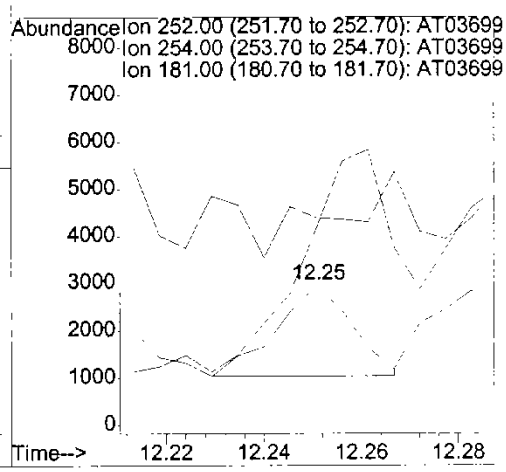


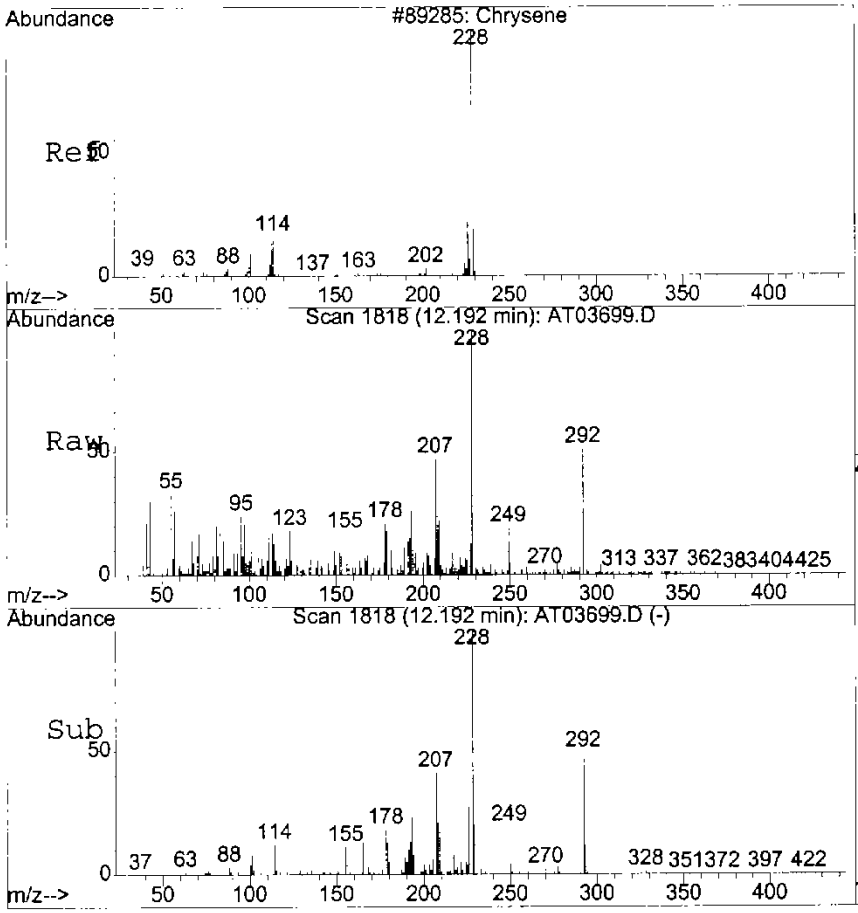


#83
3,3'-Dichlorobenzidine
Concen: 37.49 ug/L
RT: 12.25 min Scan# 1829
Delta R.T. 0.10 min
Lab File: AT03699.D
Acq: 1 Mar 2005 1:10 pm

Tgt Ion:252 Resp: 2075

Ion	Ratio	Lower	Upper
252	100		
254	92.9	33.6	93.6
181	0.0	0.0	38.3

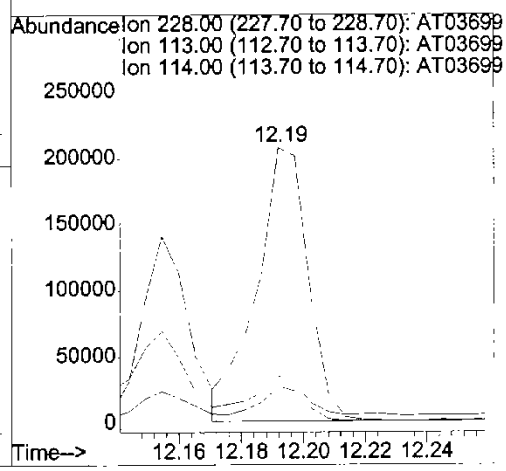


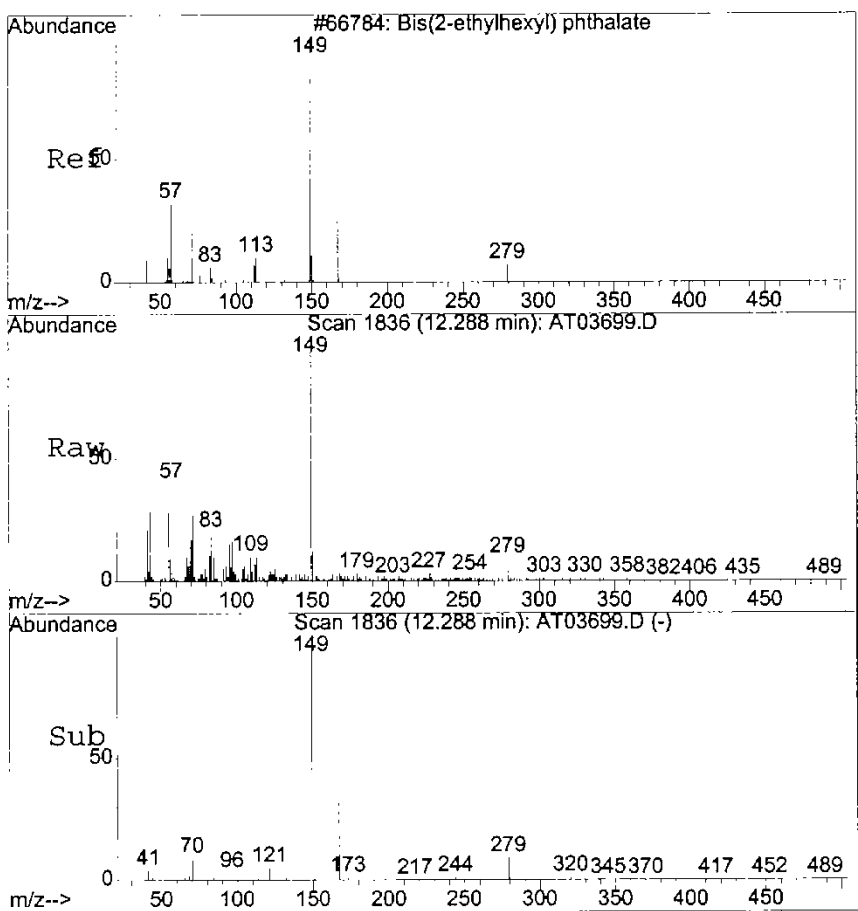


#84
Chrysene
Concen: 316.78 ug/L
RT: 12.19 min Scan# 1818
Delta R.T. 0.00 min
Lab File: AT03699.D
Acq: 1 Mar 2005 1:10 pm

Tgt Ion:228 Resp: 235815

Ion	Ratio	Lower	Upper
228	100		
113	13.5	0.0	42.9
114	12.0	0.0	41.2

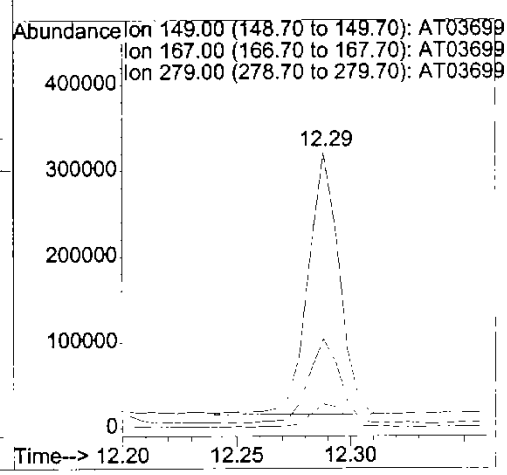


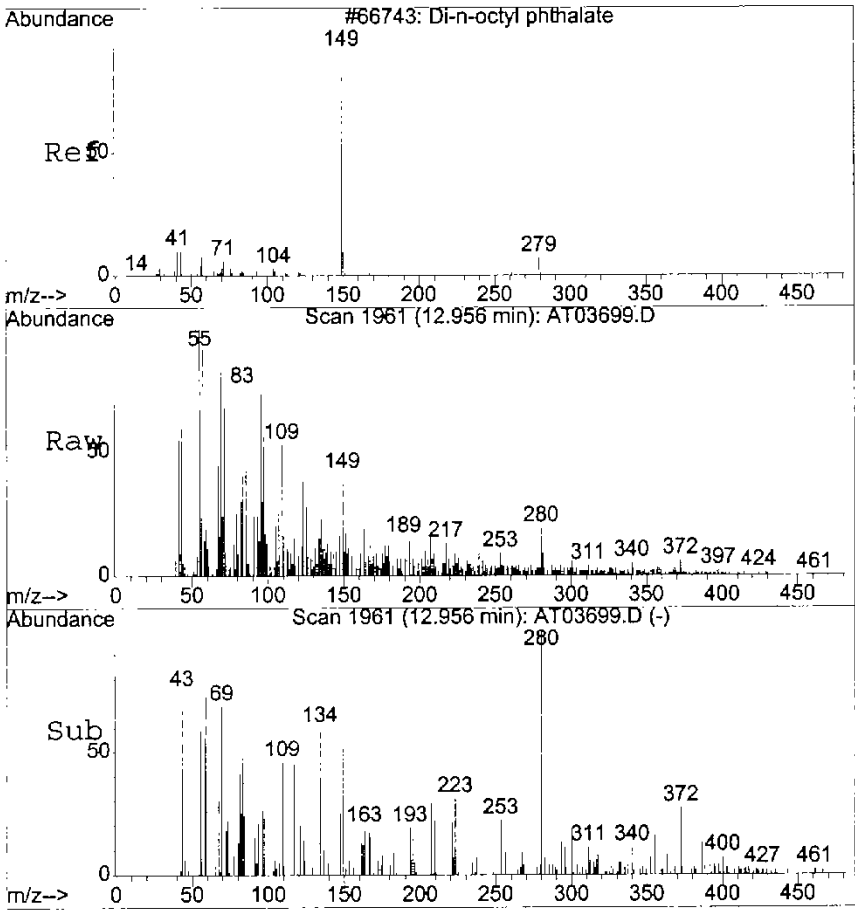


#85
bis(2-Ethylhexyl)phthalate
Concen: 632.07 ug/L
RT: 12.29 min Scan# 1836
Delta R.T. 0.00 min
Lab File: AT03699.D
Acq: 1 Mar 2005 1:10 pm

Tgt Ion:149 Resp: 291549

Ion	Ratio	Lower	Upper
149	100		
167	32.1	2.4	62.4
279	8.6	0.0	39.8

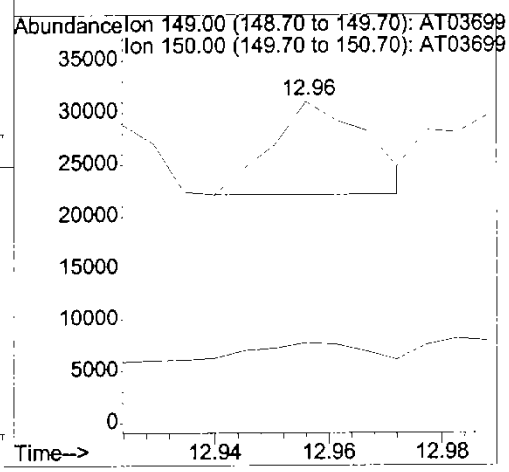


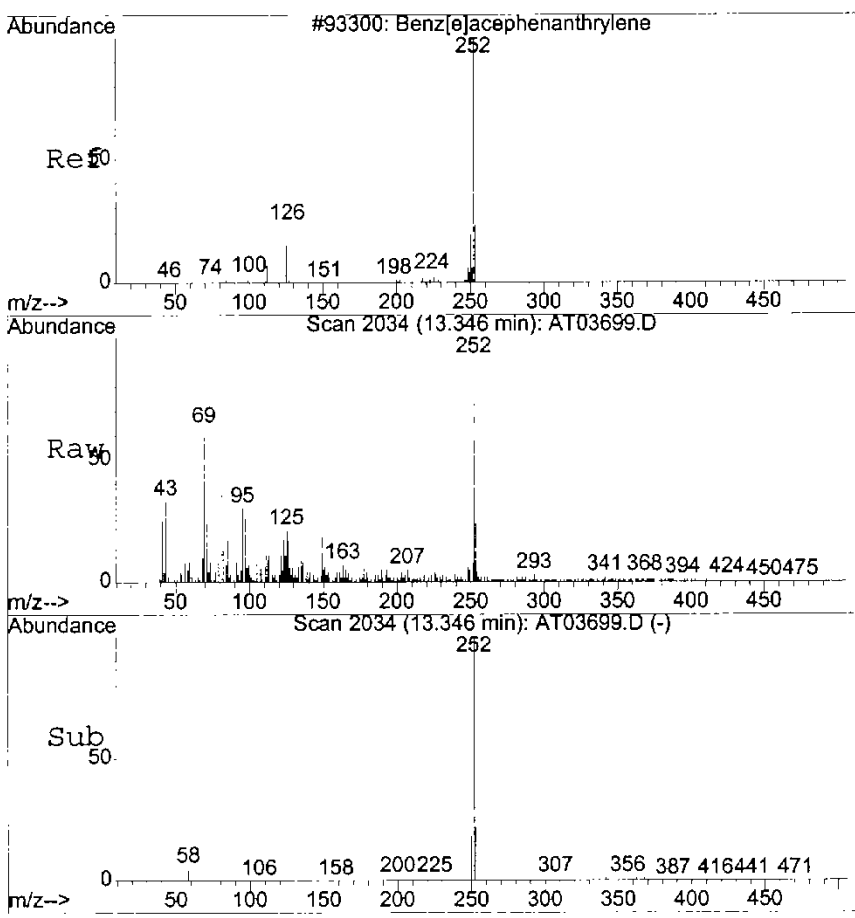


#87
Di-n-octylphthalate
Concen: 13.97 ug/L
RT: 12.96 min Scan# 1961
Delta R.T. 0.01 min
Lab File: AT03699.D
Acq: 1 Mar 2005 1:10 pm

Tgt Ion:149 Resp: 10335

Ion	Ratio	Lower	Upper
149	100		
150	20.9	0.0	39.5

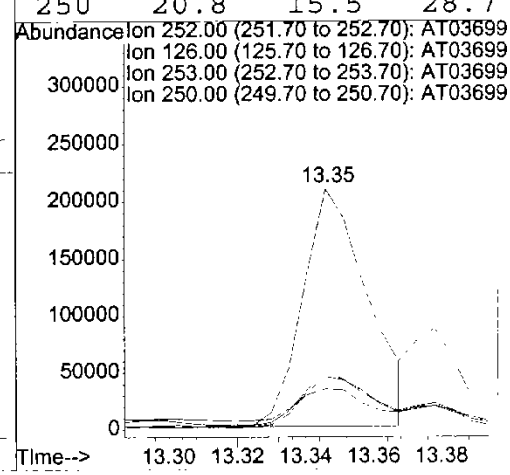


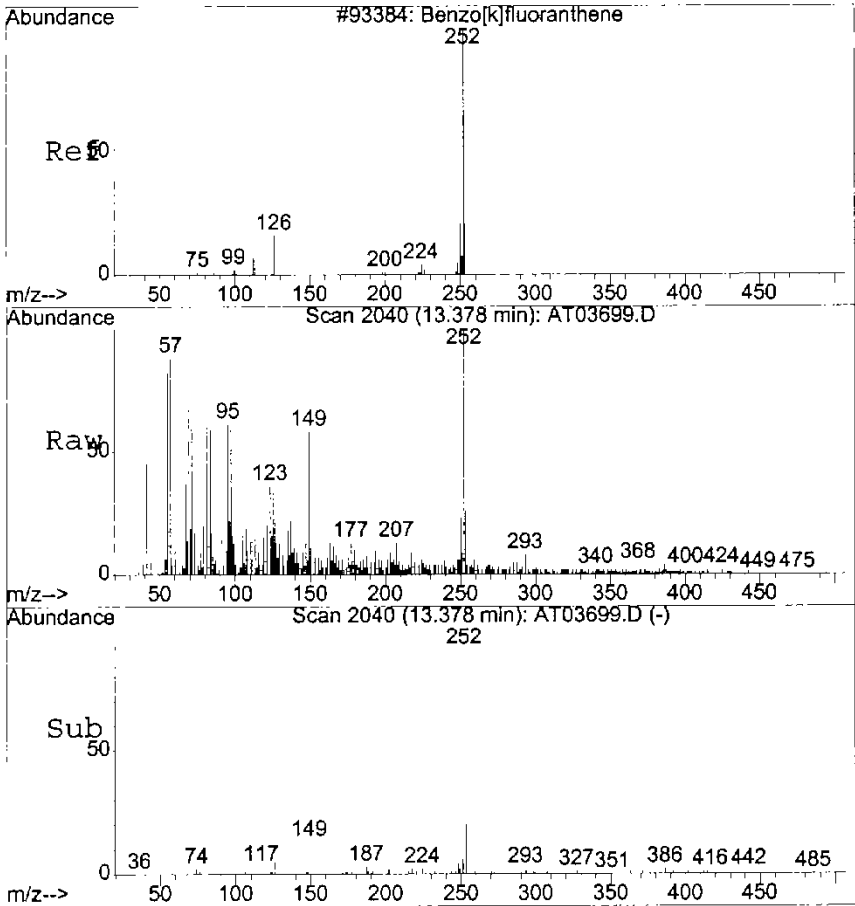


#88
Benzo(b)fluoranthene
Concen: 342.28 ul/l
RT: 13.35 min Scan# 2034
Delta R.T. 0.01 min
Lab File: AT03699.D
Acq: 1 Mar 2005 1:10 pm

Tgt Ion:252 Resp: 276185

Ion	Ratio	Lower	Upper
252	100		
126	13.4	11.5	21.5
253	22.4	15.2	28.2
250	20.8	15.5	28.7

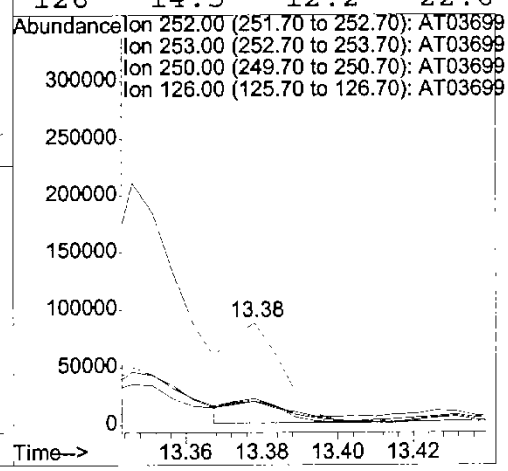


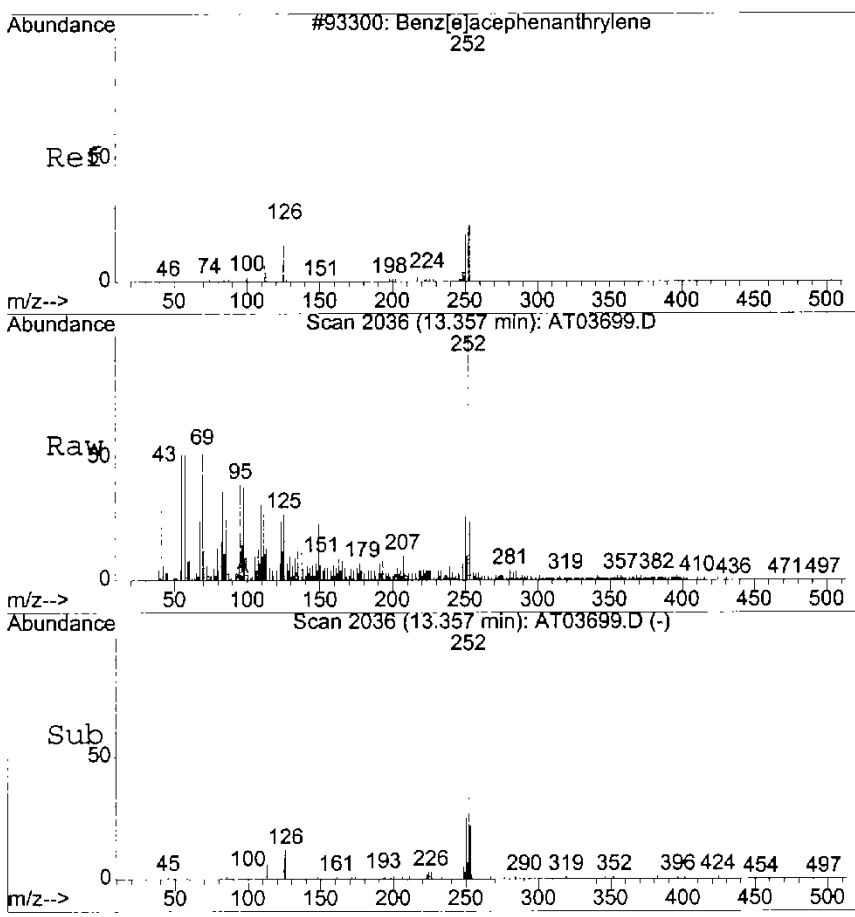


#89
benzo(k)fluoranthene
Concen: 114.02 ul/l
RT: 13.38 min Scan# 2040
Delta R.T. 0.01 min
Lab File: AT03699.D
Acq: 1 Mar 2005 1:10 pm

Tgt Ion:252 Resp: 83575

Ion	Ratio	Lower	Upper
252	100		
253	21.4	15.3	28.5
250	20.0	15.5	28.9
126	14.5	12.2	22.6

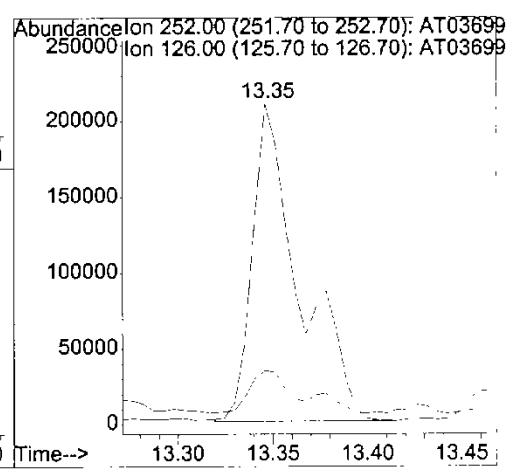


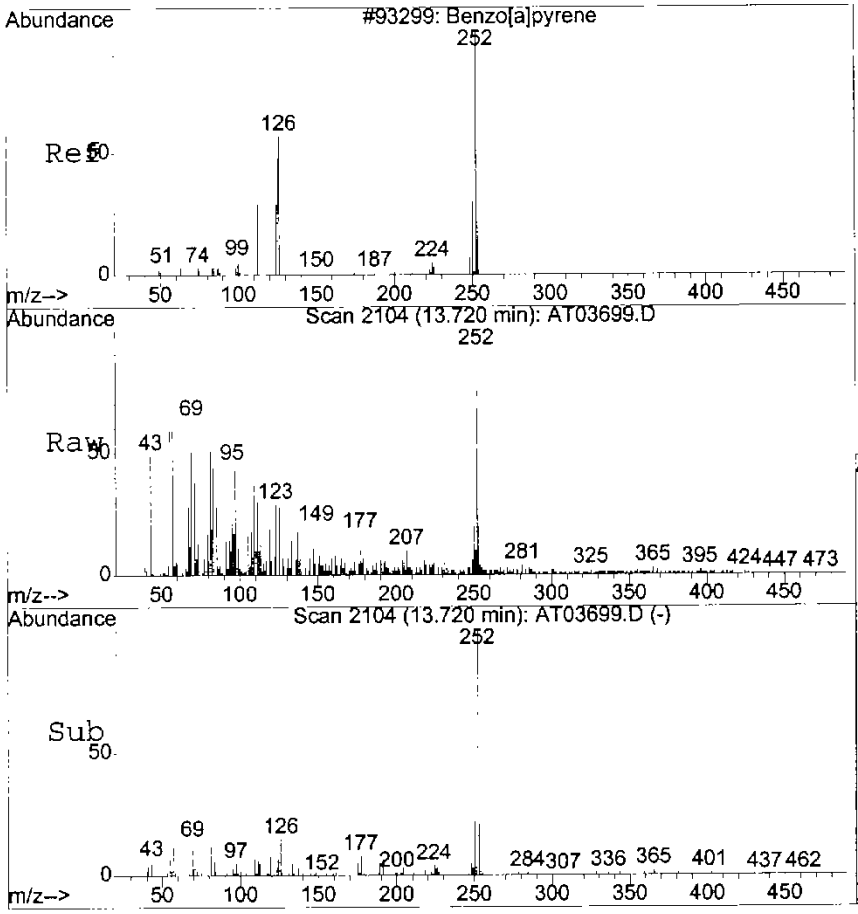


#90
Benzofluoranthenes
Concen: 487.15 ug/L
RT: 13.36 min Scan# 2036
Delta R.T. -0.00 min
Lab File: AT03699.D
Acq: 1 Mar 2005 1:10 pm

Tgt Ion:252 Resp: 361684

Ion	Ratio	Lower	Upper
252	100		
126	11.1	0.0	47.4

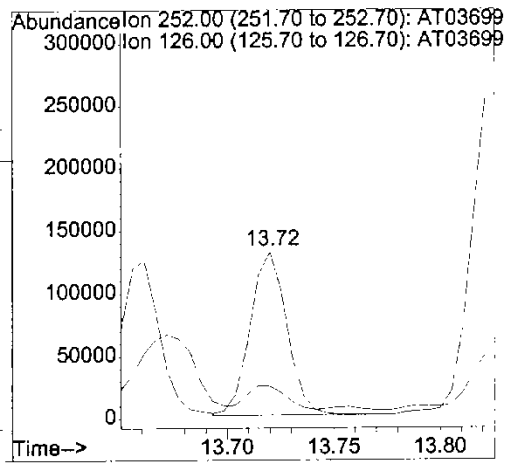


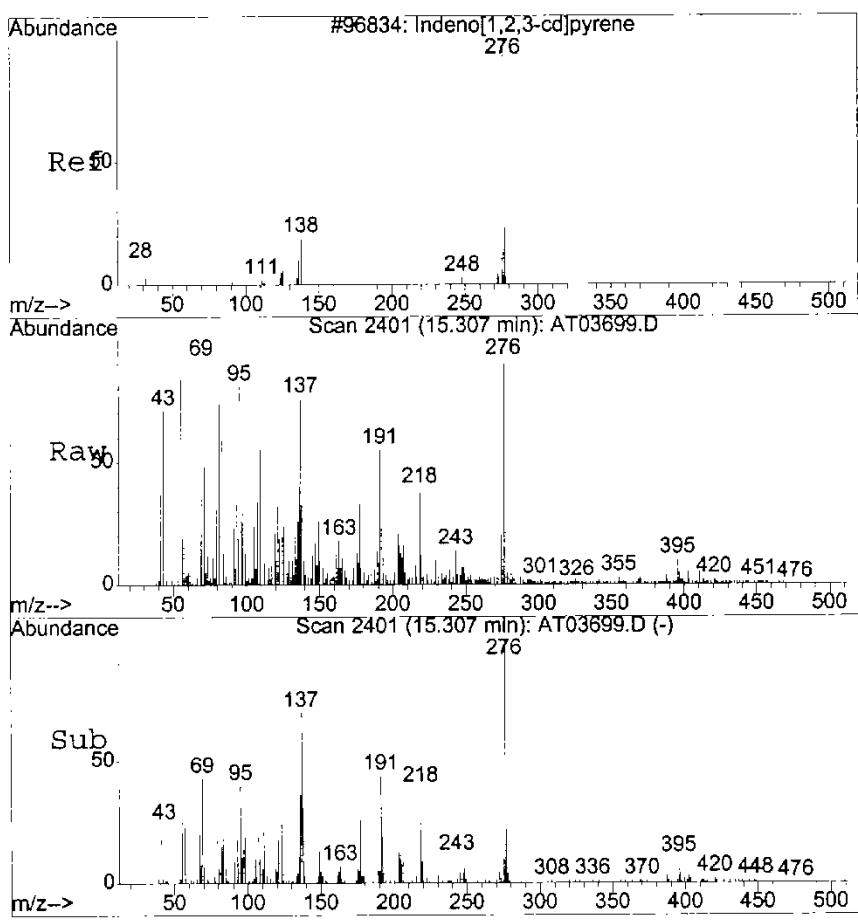


#91
Benzo(a)pyrene
Concen: 242.72 ug/L
RT: 13.72 min Scan# 2104
Delta R.T. 0.01 min
Lab File: AT03699.D
Acq: 1 Mar 2005 1:10 pm

Tgt Ion:252 Resp: 154508

Ion	Ratio	Lower	Upper
252	100		
126	12.0	0.0	45.3

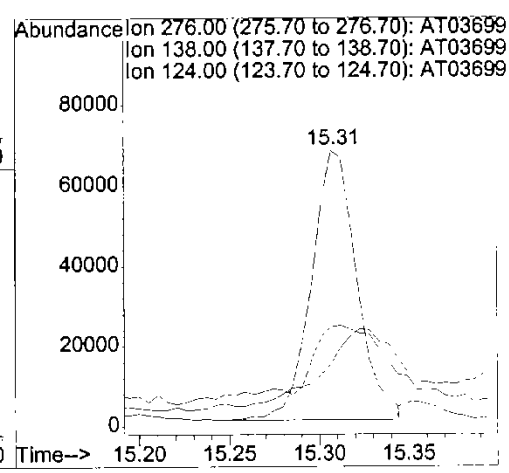


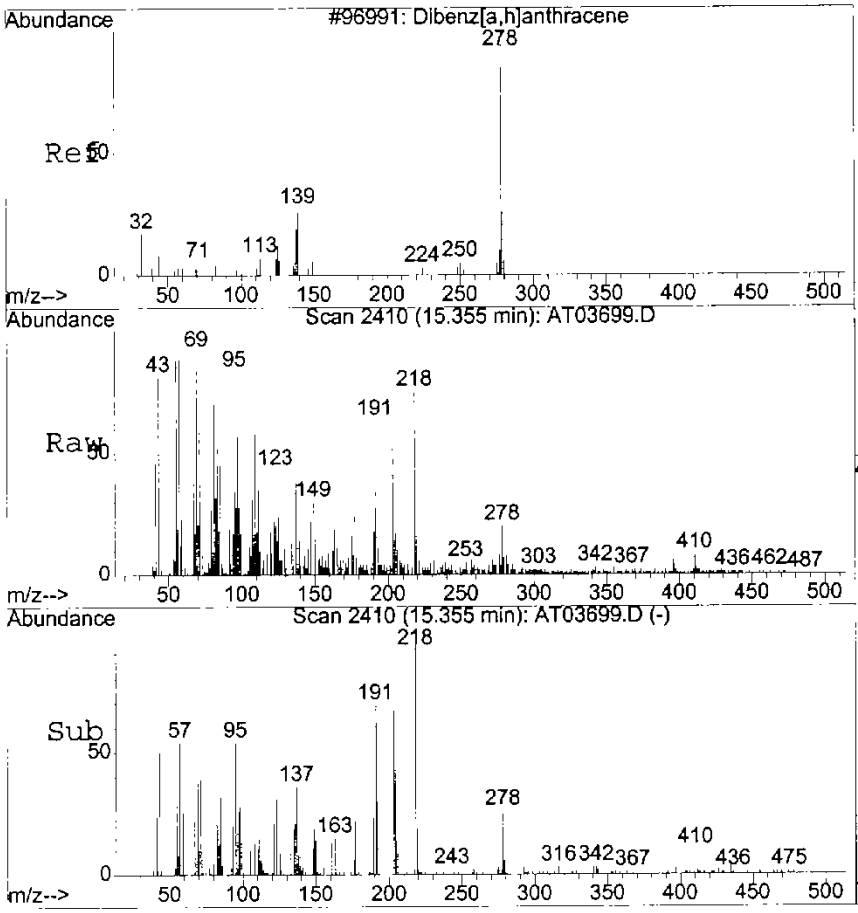


#92
Indeno(1,2,3-cd)pyrene
Concen: 187.07 ug/L
RT: 15.31 min Scan# 2401
Delta R.T. 0.02 min
Lab File: AT03699.D
Acq: 1 Mar 2005 1:10 pm

Tgt Ion:276 Resp: 118755

Ion	Ratio	Lower	Upper
276	100		
138	23.9	0.0	51.8
124	5.7	0.0	35.4

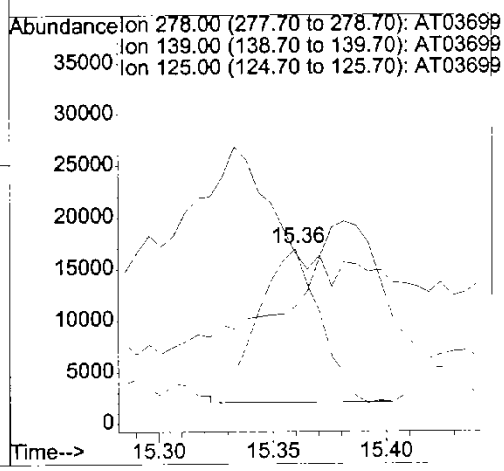


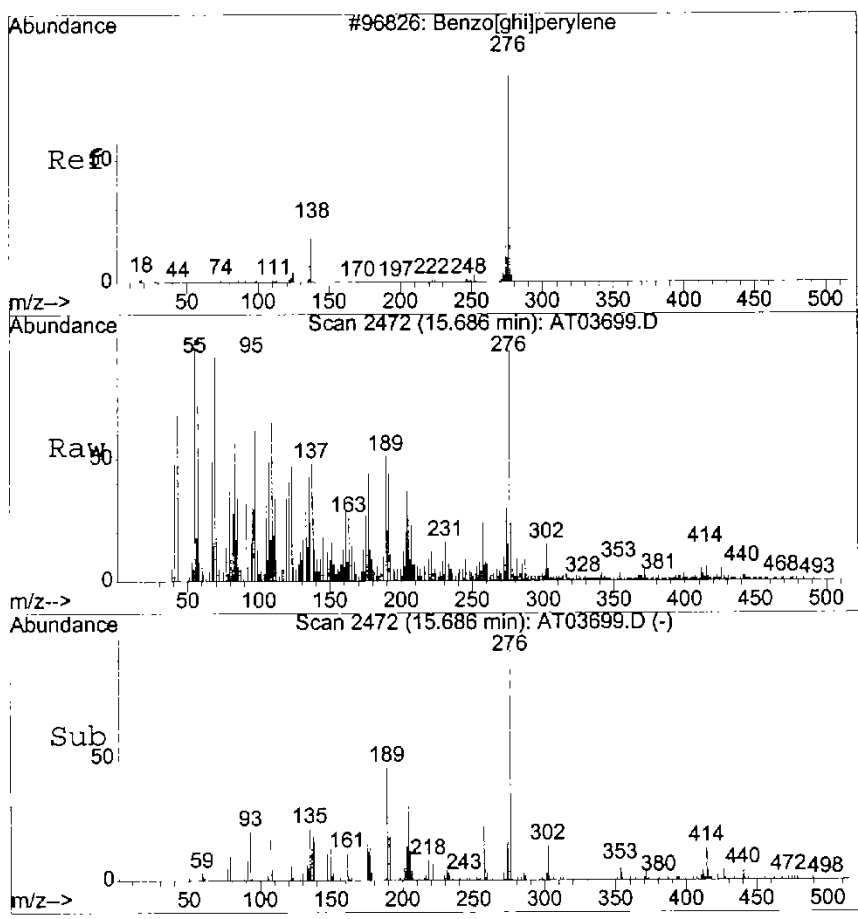


#93
Dibenz(a,h)anthracene
Concen: 49.84 ug/L
RT: 15.36 min Scan# 2410
Delta R.T. 0.01 min
Lab File: AT03699.D
Acq: 1 Mar 2005 1:10 pm

Tgt Ion:278 Resp: 27923

Ion	Ratio	Lower	Upper
278	100		
139	9.1	0.0	46.7
125	7.9	0.0	35.8

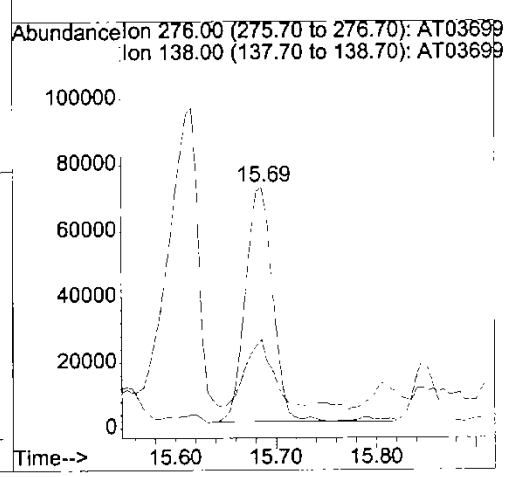




#94
Benzo(g,h,i)perylene
Concen: 191.37 ug/L
RT: 15.69 min Scan# 2472
Delta R.T. 0.02 min
Lab File: AT03699.D
Acq: 1 Mar 2005 1:10 pm

Tgt Ion:276 Resp: 136056

Ion	Ratio	Lower	Upper
276	100		
138	24.4	0.0	54.3

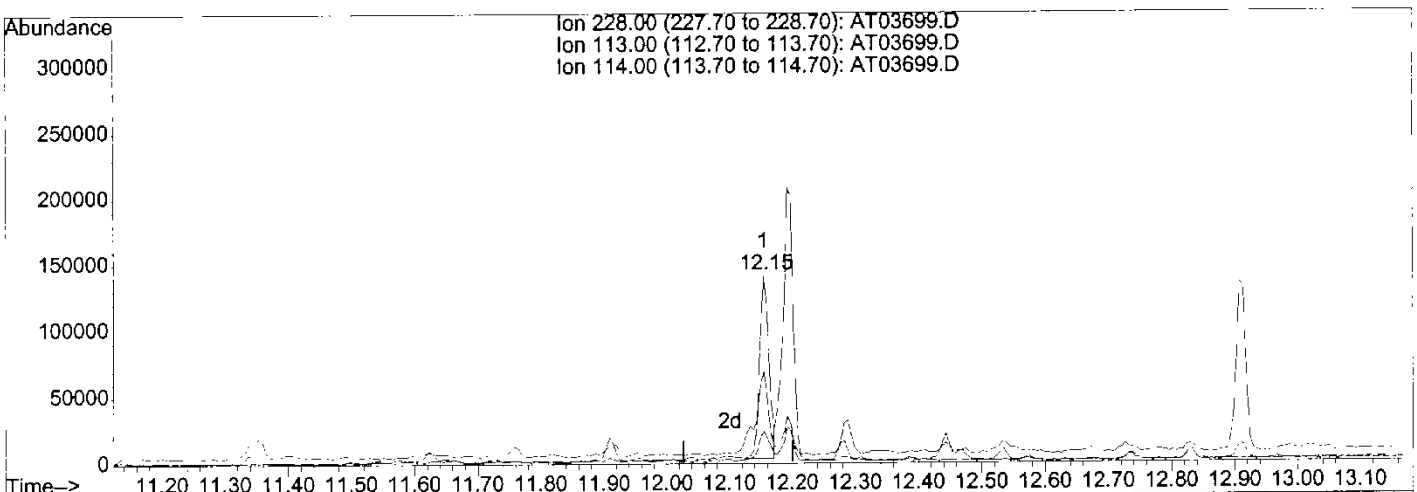


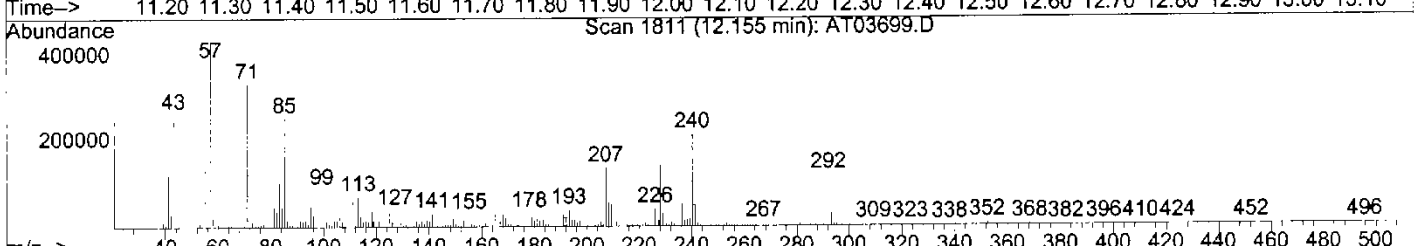
Quantitation Report (Qedit)

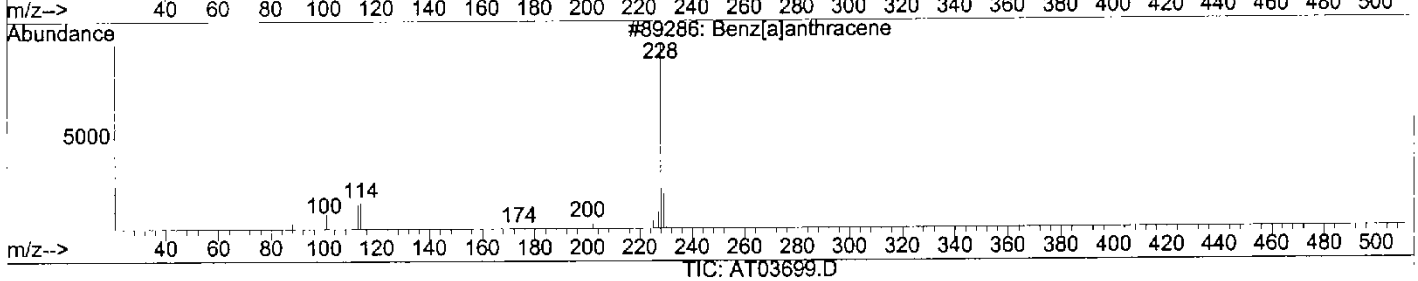
Data File : H:\DATA\030105_A\AT03699.D
Acq On : 1 Mar 2005 1:10 pm
Sample : 126377-5 &1
Misc :
MS Integration Params: Rteint.p
Quant Time: Mar 1 14:10 2005

Vial: 13
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: temp.res

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Feb 28 14:16:48 2005
Response via : Multiple Level Calibration







TIC: AT03699.D

(82) Benzo(a)anthracene (T)

12.15min 198.10ug/L

response 141483

Ion	Exp%	Act%
228.00	100	100
113.00	11.10	44.21#
114.00	12.70	15.27
0.00	0.00	0.00

3/2/05

00568

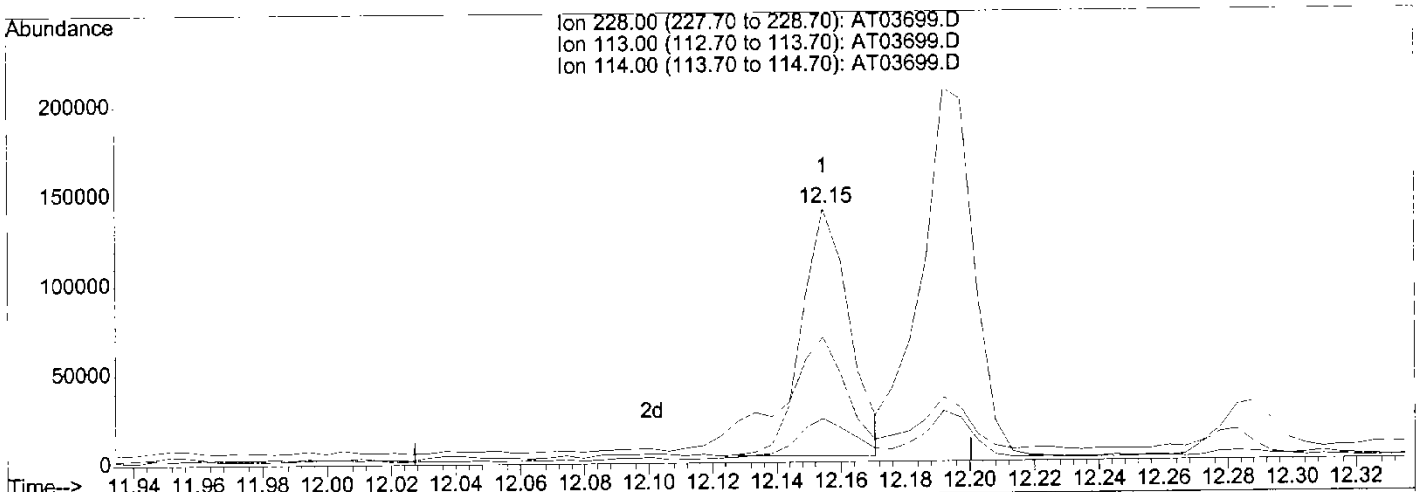
Quantification Report (Qedit)

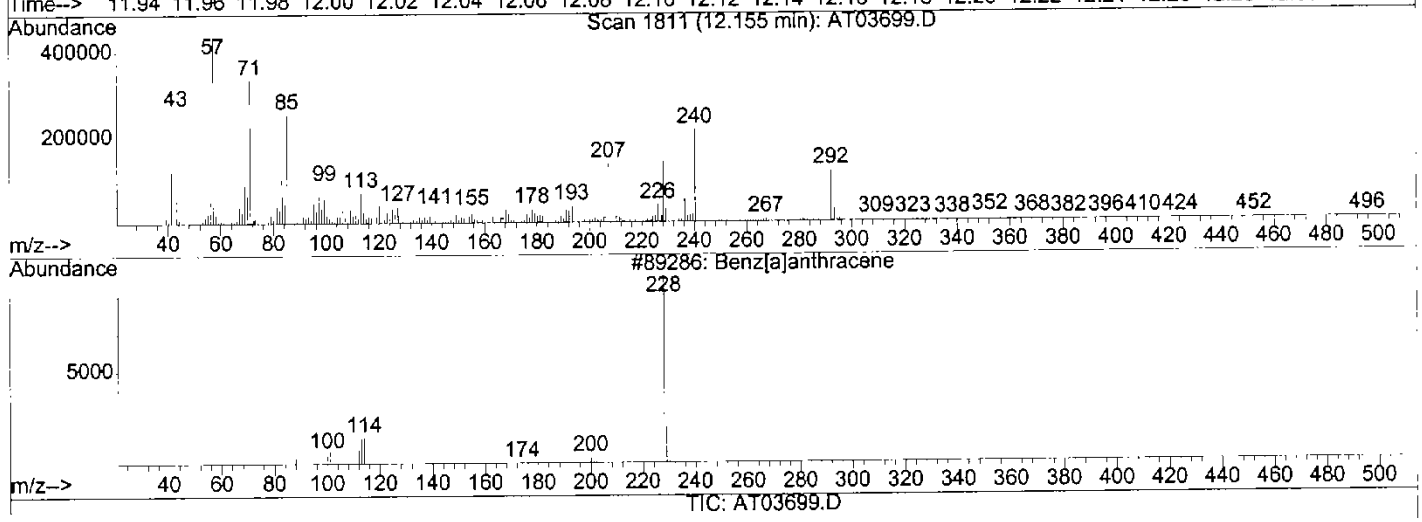
Data File : H:\DATA\030105_A\AT03699.D
Acq On : 1 Mar 2005 1:10 pm
Sample : 126377-5 &1
Misc :
MS Integration Params: Rteint.p
Quant Time: Mar 2 8:03 2005

Vial: 13
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00

Quant Results File: temp.res

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Feb 28 14:16:48 2005
Response via : Multiple Level Calibration





(82) Benzo(a)anthracene (T)

12.15min 199.51ug/L m

response 142483

Ion	Exp%	Act%
228.00	100	100
113.00	11.10	49.26#
114.00	12.70	17.21
0.00	0.00	0.00

00569

Quantitation Report (QT Reviewed)

Data File : H:\DATA\030105_A\AT03706.D
Acq On : 1 Mar 2005 4:39 pm
Sample : 126377-5 &1 1:5 ss1348
Misc :
MS Integration Params: Rteint.p
Quant Time: Mar 02 06:26:16 2005

Vial: 20
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: 8270_022505.RES

Quant Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Feb 28 14:16:48 2005
Response via : Initial Calibration
DataAcq Meth : 8270

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4 (I)	5.43	152	254312	1000.000 ug/L	0.00
23) Naphthalene - d8 (I)	6.55	136	990299	1000.000 ug/L	0.00
39) Acenaphthene - d10 (I)	8.01	162	543487	1000.000 ug/L	0.00
63) Phenanthrene - d10 (I)	9.31	188	992946	1000.000 ug/L	0.00
80) Chrysene - d12 (I)	12.17	240	1036737	1000.000 ul/l	0.00
86) Perylene - d12 (I)	13.79	264	993739	1000.000 ug/L	0.01
System Monitoring Compounds					
4) 2 - Fluorophenol (S)	4.15	112	21367	100.35 ug/L	0.00
8) Phenol - d5 (S)	5.13	99	32772	136.74 ug/L	0.00
24) Nitrobenzene - d5 (S)	5.94	82	13398	65.98 ug/L	0.00
44) 2 - Fluorobiphenyl (S)	7.46	172	31251	53.29 ug/L	0.00
66) 2,4,6 - Tribromophenol (S)	8.68	330	13847	167.07 ug/L	0.00
79) p - Terphenyl - d14 (S)	11.00	244	93939	156.26 ug/L	0.00
Target Compounds					Qvalue
2) N-Nitrosodimethylamine	2.62	74	1271	241.868 ug/L	74
3) Pyridine	2.55	79	4221	196.010 ug/L	96
6) Benzaldehyde	5.04	105	7774	40.374 ul/L	88
9) Phenol	5.15	94	4121	16.127 ug/L	74
19) 3-&4-Methylphenol	5.83	108	921	30.414 ug/L	93
21) Acetophenone	5.74	105	2101	12.135 ul/L	73
30) Benzoic Acid	6.34	105	17651	504.440 ug/L	74
33) Naphthalene	6.56	128	4823	6.310 ug/L	96
51) 3-Nitroaniline	7.99	138	108	Below Cal #	8
52) Acenaphthene	8.03	153	6203	12.577 ug/L	94
55) Dibenzofuran	8.18	168	7019	10.623 ug/L	87
56) 2,4-Dinitrotoluene	8.12	165	245	32.713 ug/L	82
59) Diethylphthalate	8.39	149	20542	38.056 ug/L	93
60) Fluorene	8.46	166	5229	10.283 ug/L	90
71) Phenanthrene	9.33	178	42195	52.122 ug/L	99
72) Anthracene	9.38	178	8790	11.972 ug/L	99
73) Octadecane	9.27	57	40019	170.345 ul/L	86
75) Di-n-butylphthalate	9.93	149	720091	827.504 ug/L	100
76) Fluoranthene	10.55	202	79633	96.380 ug/L	98
77) Pyrene	10.79	202	72123	84.158 ug/L	97
78) Benzidine	10.80	184	898	7.642 ul/l	48
81) Butylbenzylphthalate	11.59	149	20192	123.389 ug/L	92
82) Benzo(a)anthracene	12.16	228	33736	44.795 ug/L	71
83) 3,3'-Dichlorobenzidine	12.02	252	89	27.798 ug/L	64
84) Chrysene	12.20	228	49976	63.664 ug/L	96
85) bis(2-Ethylhexyl)phthalate	12.29	149	67053	137.851 ug/L	98

(#) = qualifier out of range (m) = manual integration

00570

Data File : H:\DATA\030105_A\AT03706.D
Acq On : 1 Mar 2005 4:39 pm
Sample : 126377-5 &1 1:5 ss1348
Misc :
MS Integration Params: Rteint.p
Quant Time: Mar 02 06:26:16 2005

Vial: 20
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: 8270_022505.RES

Quant Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Feb 28 14:16:48 2005
Response via : Initial Calibration
DataAcq Meth : 8270

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
88)	Benzo(b)fluoranthene	13.35	252	56852	77.842	ul/l	97
89)	benzo(k)fluoranthene	13.38	252	16972	22.252	ul/l	96
90)	Benzofluoranthenes	13.36	252	76079	98.471	ug/L	90
91)	Benzo(a)pyrene	13.72	252	33486	50.551	ug/L	96
92)	Indeno(1,2,3-cd)pyrene	15.32	276	28066	57.421	ug/L	74
93)	Dibenz(a,h)anthracene	15.36	278	7964	22.837	ug/L	94
94)	Benzo(g,h,i)perylene	15.69	276	34460	46.578	ug/L	97

(#) = qualifier out of range (m) = manual integration

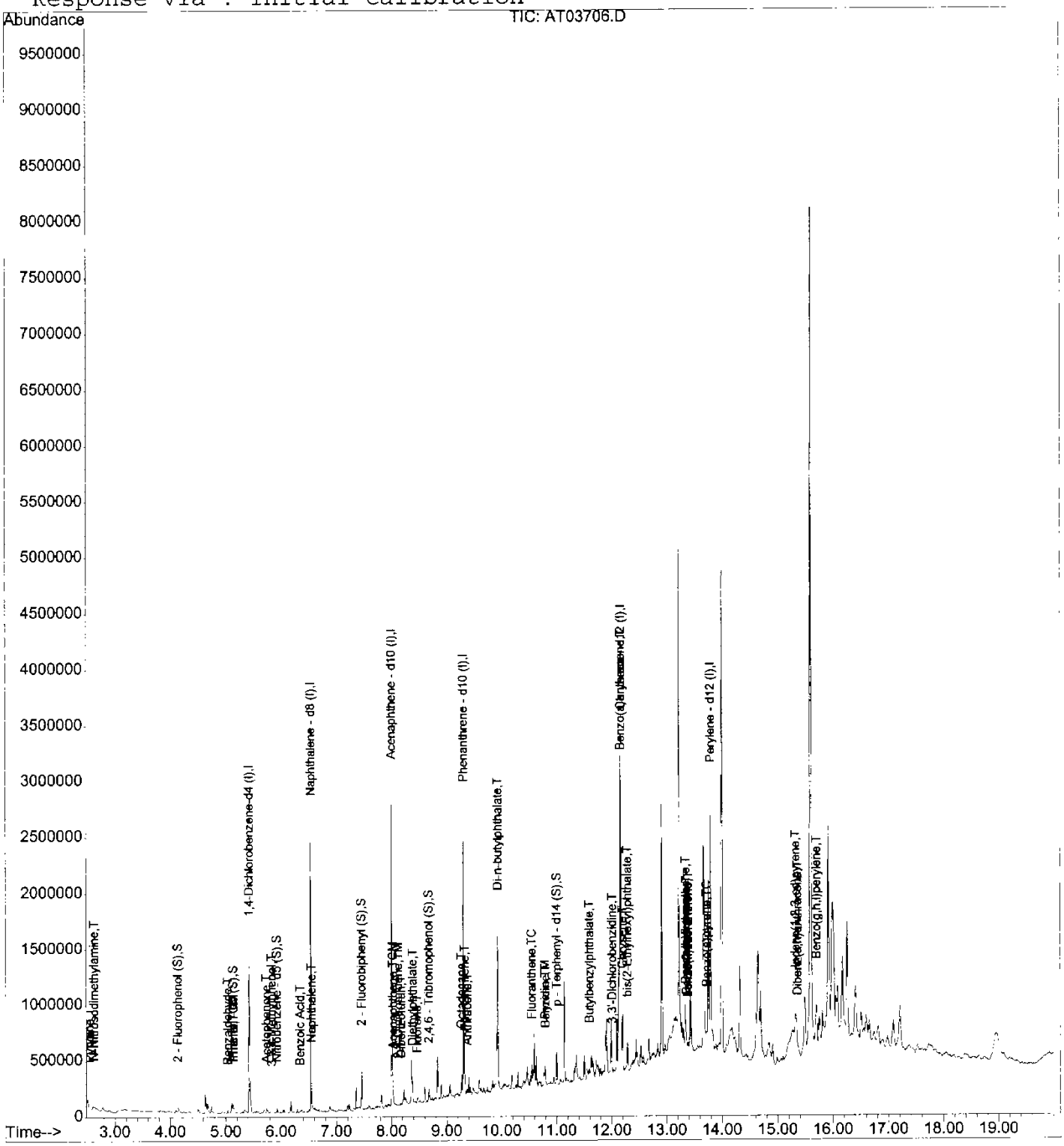
00571

Quantitation Report (QT Reviewed)

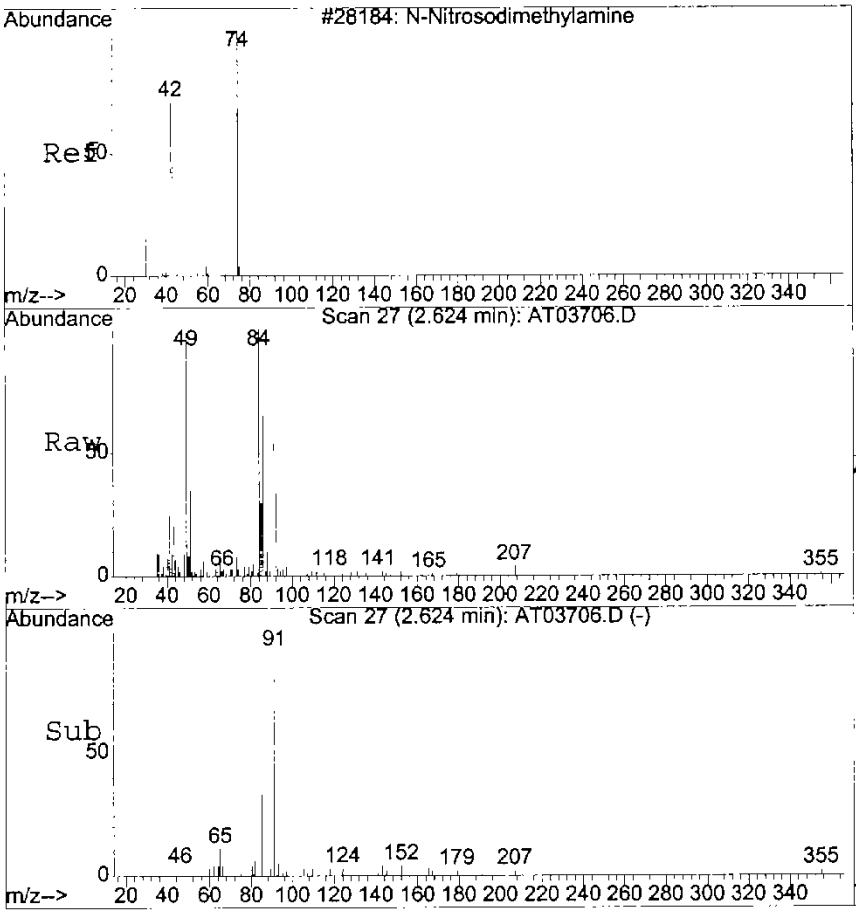
Data File : H:\DATA\030105_A\AT03706.D
Acq On : 1 Mar 2005 4:39 pm
Sample : 126377-5 &1 1:5 ss1348
Misc :
MS Integration Params: Rteint.p
Quant Time: Mar 2 6:28 2005

Vial: 20
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: 8270_022505.

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Feb 28 14:16:48 2005
Response via : Initial Calibration



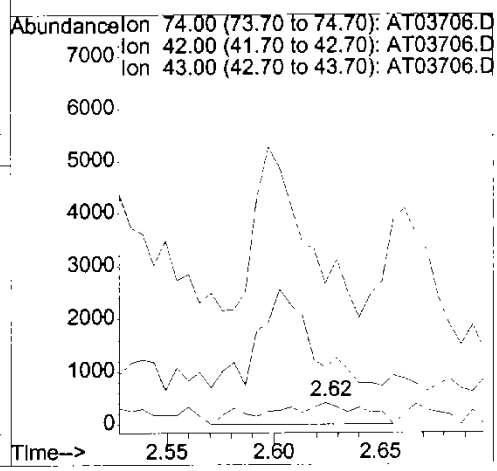
00572

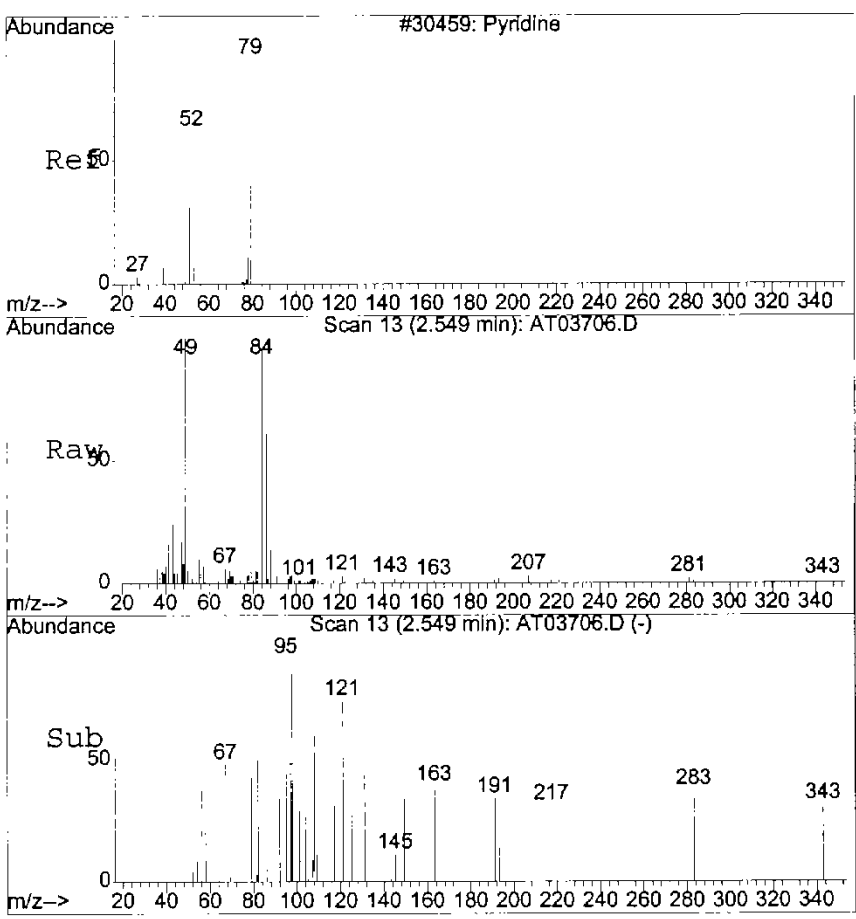


#2
N-Nitrosodimethylamine
Concen: 241.87 ug/L
RT: 2.62 min Scan# 27
Delta R.T. 0.05 min
Lab File: AT03706.D
Acq: 1 Mar 2005 4:39 pm

Tgt Ion: 74 Resp: 1271

Ion	Ratio	Lower	Upper
74	100		
42	63.7	22.6	82.6
43	0.0	0.0	53.8

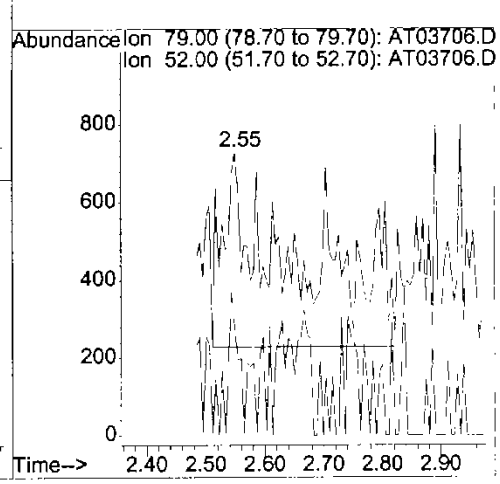




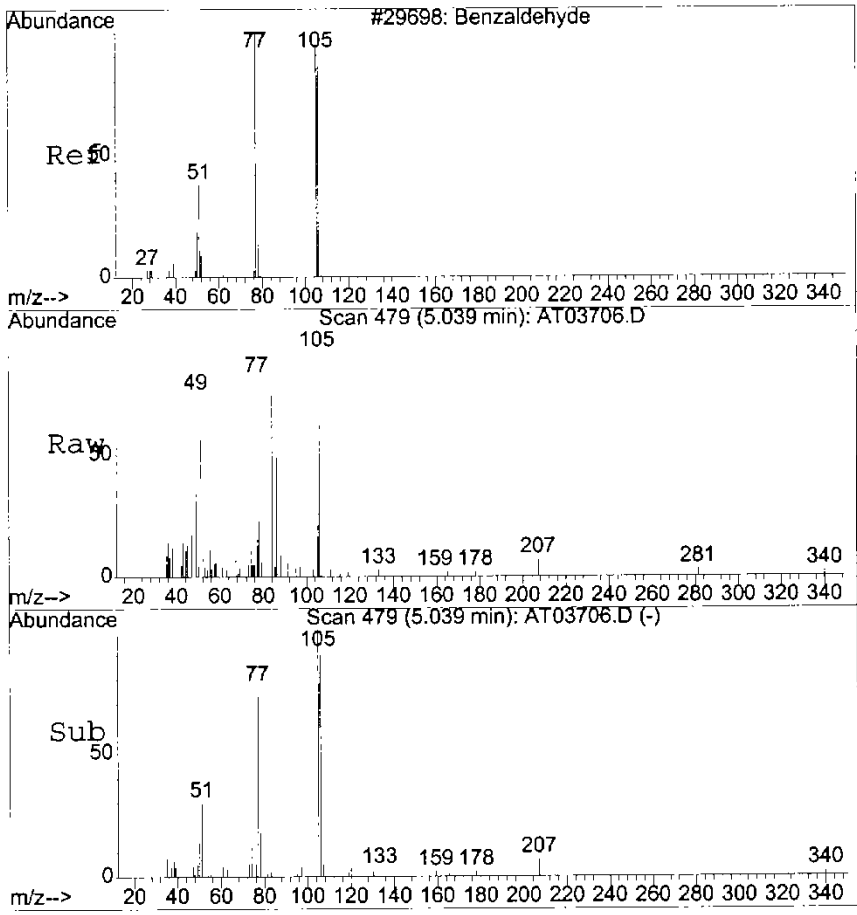
#3
Pyridine
Concen: 196.01 ug/L
RT: 2.55 min Scan# 13
Delta R.T. -0.00 min
Lab File: AT03706.D
Acq: 1 Mar 2005 4:39 pm

Tgt Ion: 79 Resp: 4221

Ion	Ratio	Lower	Upper
79	100		
52	56.3	29.7	89.7



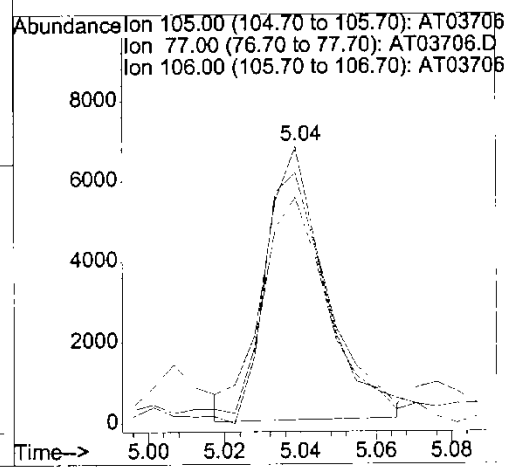
00573

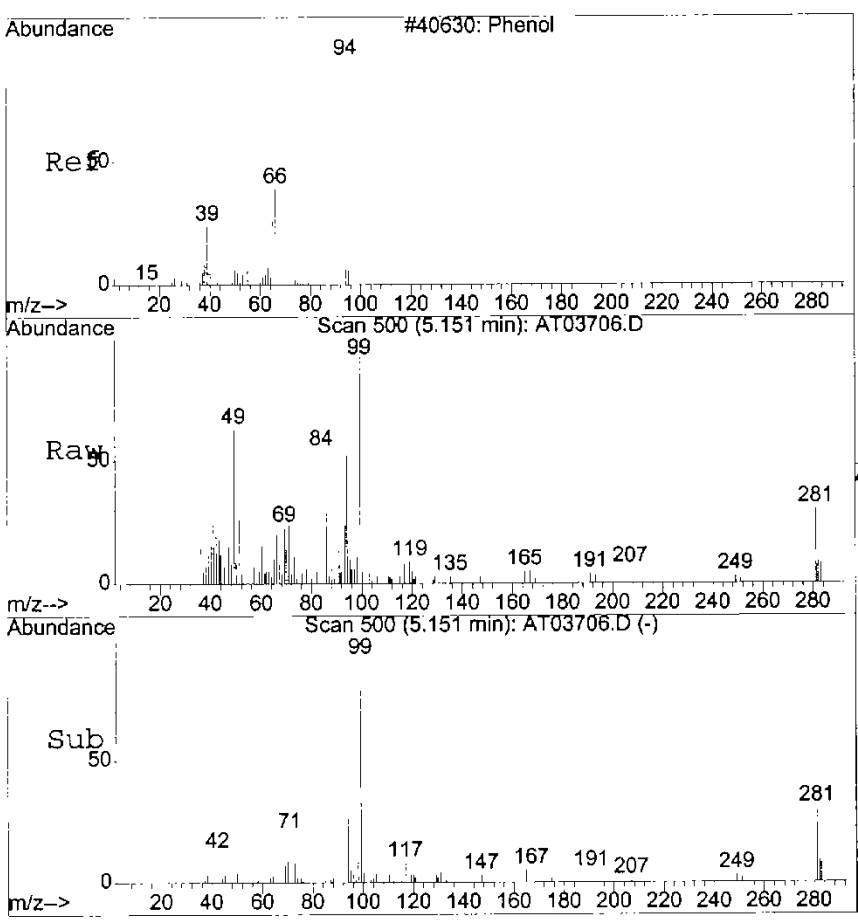


#6
Benzaldehyde
Concen: 40.37 ul/L
RT: 5.04 min Scan# 479
Delta R.T. -0.02 min
Lab File: AT03706.D
Acq: 1 Mar 2005 4:39 pm

Tgt Ion:105 Resp: 7774

Ion	Ratio	Lower	Upper
105	100		
77	75.9	63.9	123.9
106	95.4	72.0	132.0

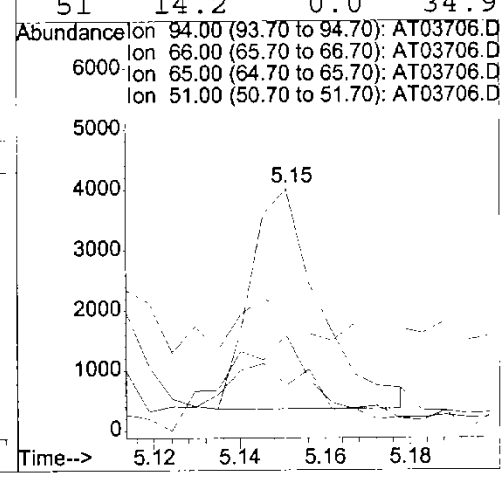




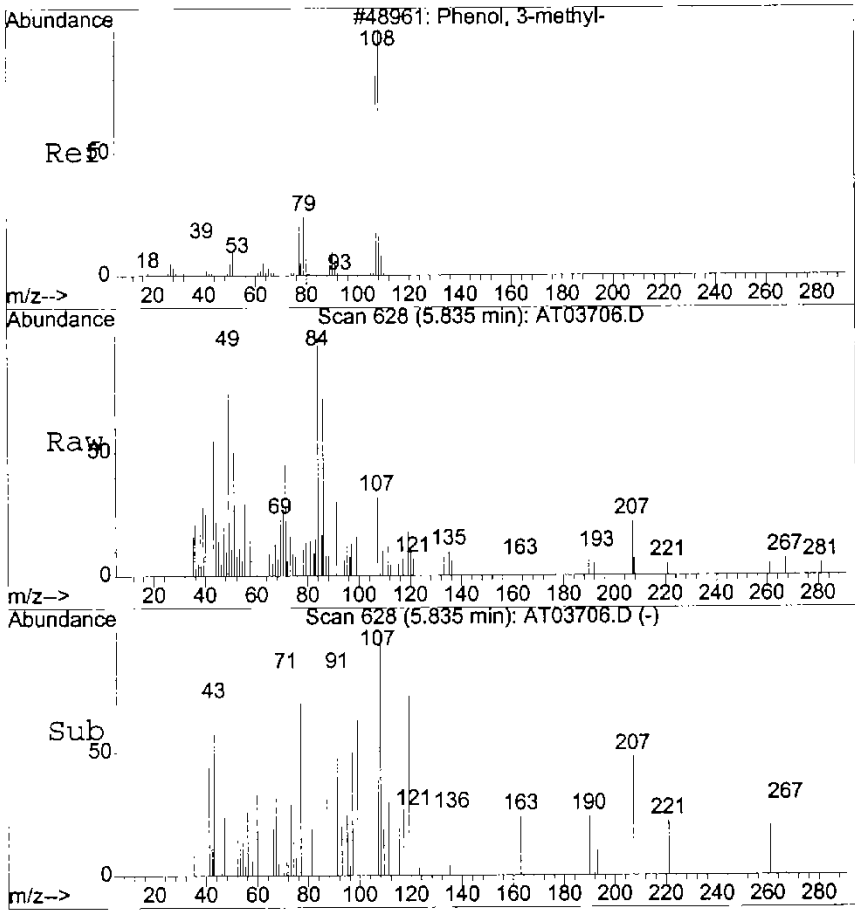
#9
Phenol
Concen: 16.13 ug/L
RT: 5.15 min Scan# 500
Delta R.T. 0.00 min
Lab File: AT03706.D
Acq: 1 Mar 2005 4:39 pm

Tgt Ion: 94 Resp: 4121

Ion	Ratio	Lower	Upper
94	100		
66	32.9	14.1	74.1
65	10.3	1.3	61.3
51	14.2	0.0	34.9



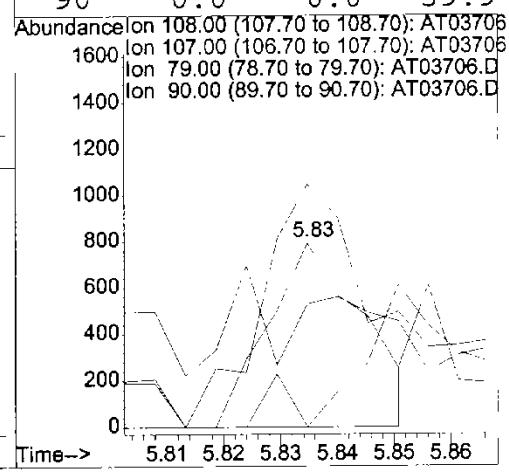
00574

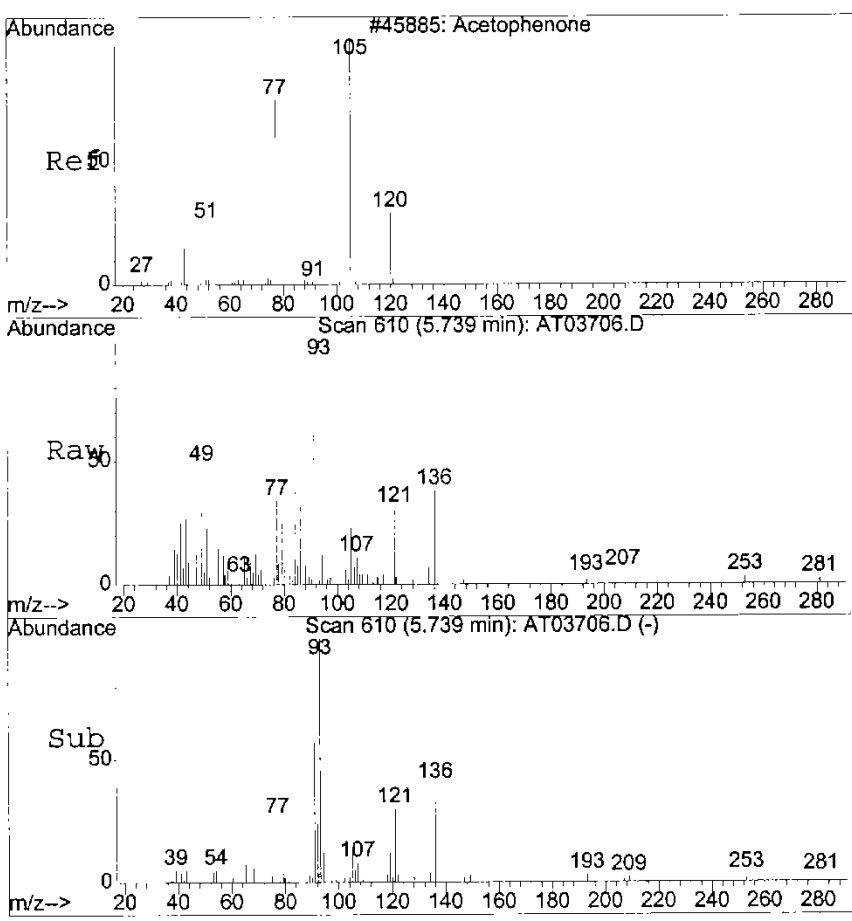


#19
3-&4-Methylphenol
Concen: 30.41 ug/L
RT: 5.83 min Scan# 628
Delta R.T. 0.03 min
Lab File: AT03706.D
Acq: 1 Mar 2005 4:39 pm

Tgt Ion:108 Resp: 921

Ion	Ratio	Lower	Upper
108	100		
107	101.6	75.6	135.6
79	20.6	0.0	55.6
90	0.0	0.0	39.9

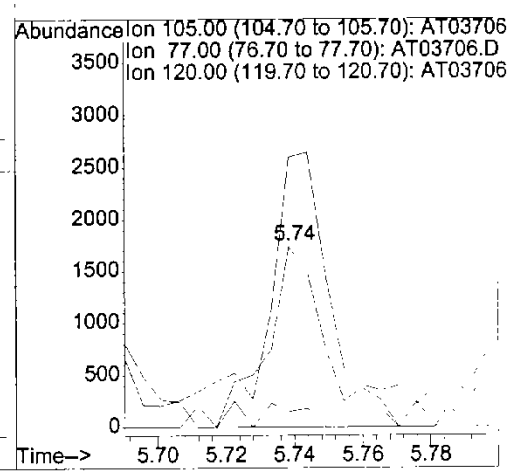




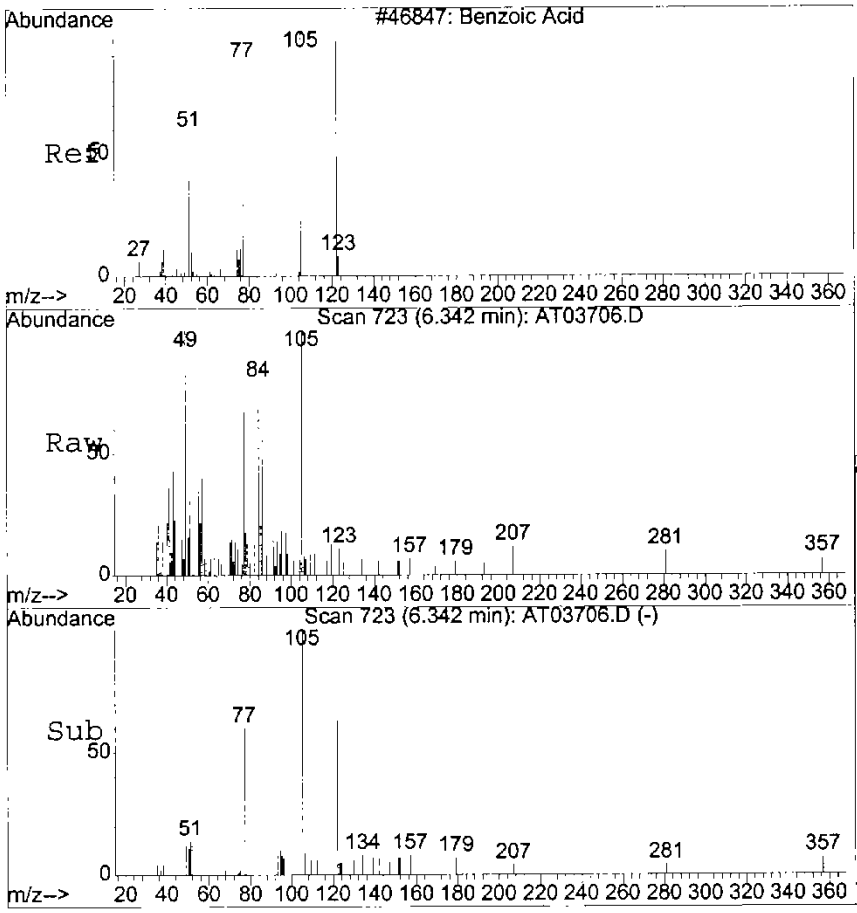
#21
Acetophenone
Concen: 12.14 ul/L
RT: 5.74 min Scan# 610
Delta R.T. -0.05 min
Lab File: AT03706.D
Acq: 1 Mar 2005 4:39 pm

Tgt Ion:105 Resp: 2101

Ion	Ratio	Lower	Upper
105	100		
77	133.0	78.1	138.1
120	8.5	0.5	60.5



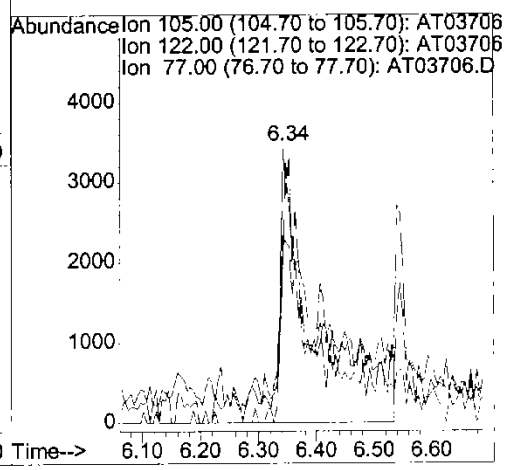
00575

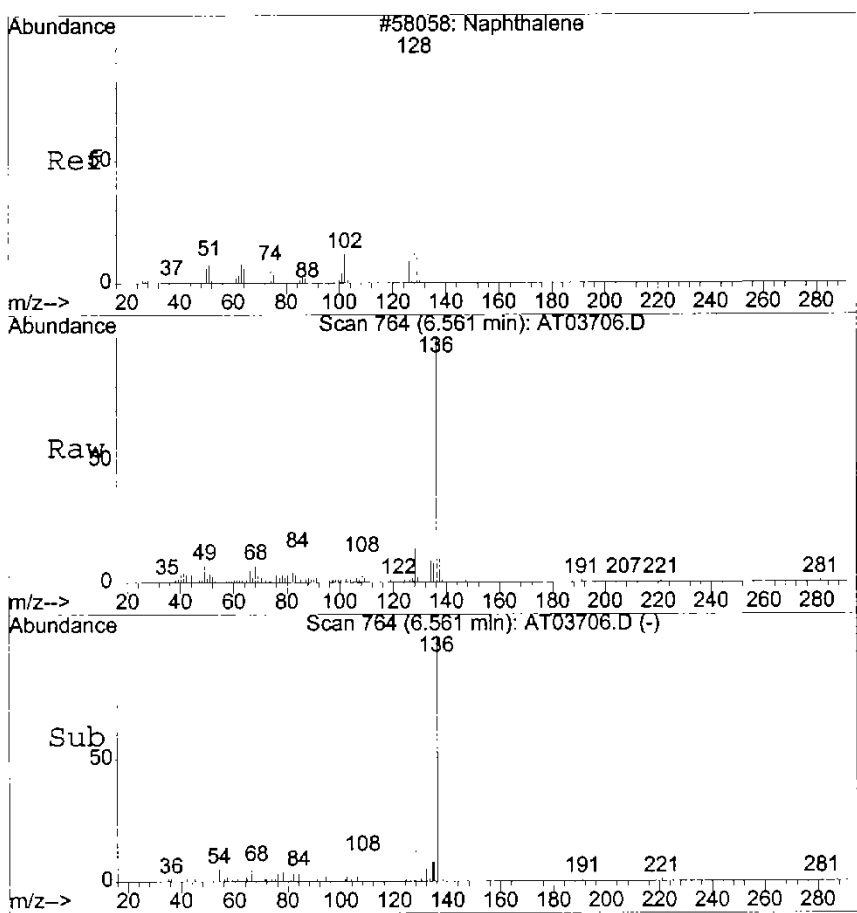


#30
Benzoic Acid
Concen: 504.44 ug/L
RT: 6.34 min Scan# 723
Delta R.T. -0.04 min
Lab File: AT03706.D
Acq: 1 Mar 2005 4:39 pm

Tgt Ion:105 Resp: 17651

Ion	Ratio	Lower	Upper
105	100		
122	58.4	58.0	118.0
77	49.7	34.2	94.2

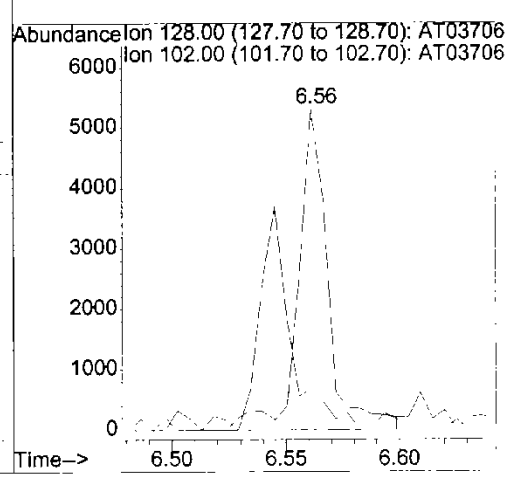




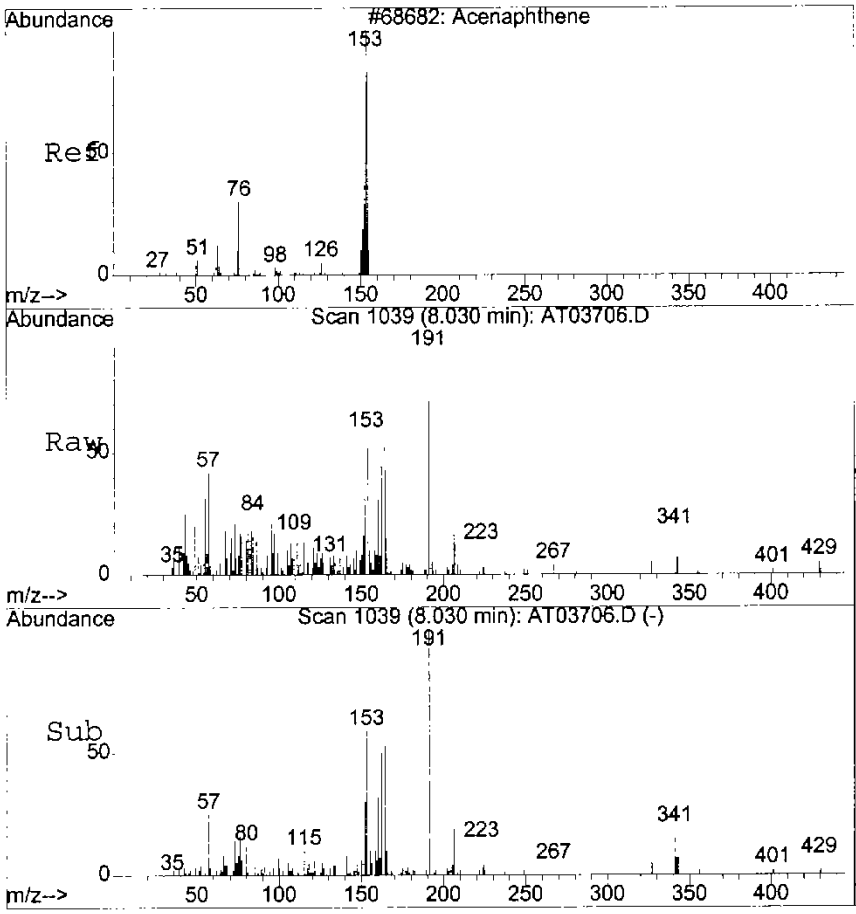
#33
Naphthalene
Concen: 6.31 ug/L
RT: 6.56 min Scan# 764
Delta R.T. 0.00 min
Lab File: AT03706.D
Acq: 1 Mar 2005 4:39 pm

Tgt Ion:128 Resp: 4823

Ion	Ratio	Lower	Upper
128	100		
102	9.2	0.0	37.8



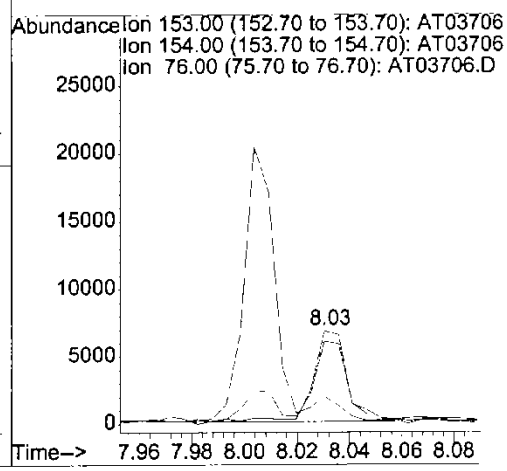
00576

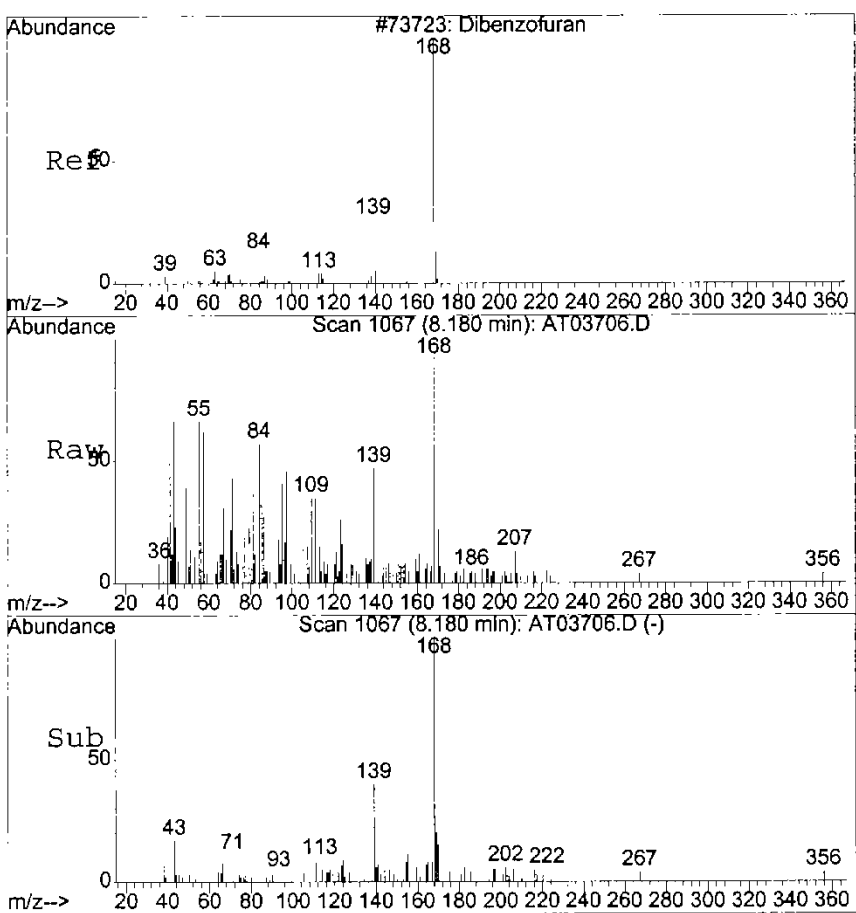


#52
Acenaphthene
Concen: 12.58 ug/L
RT: 8.03 min Scan# 1039
Delta R.T. 0.00 min
Lab File: AT03706.D
Acq: 1 Mar 2005 4:39 pm

Tgt Ion:153 Resp: 6203

Ion	Ratio	Lower	Upper
153	100		
154	88.0	53.5	113.5
76	25.0	0.0	50.2

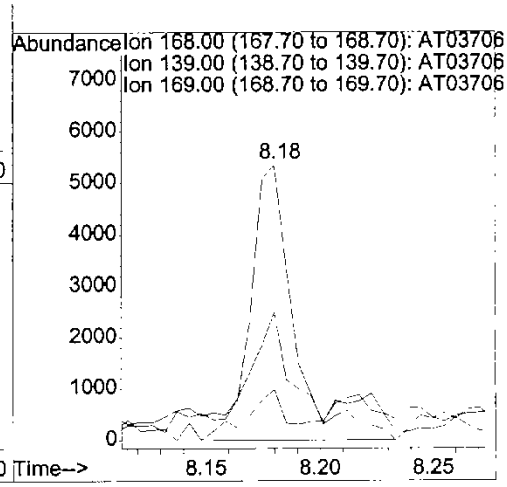


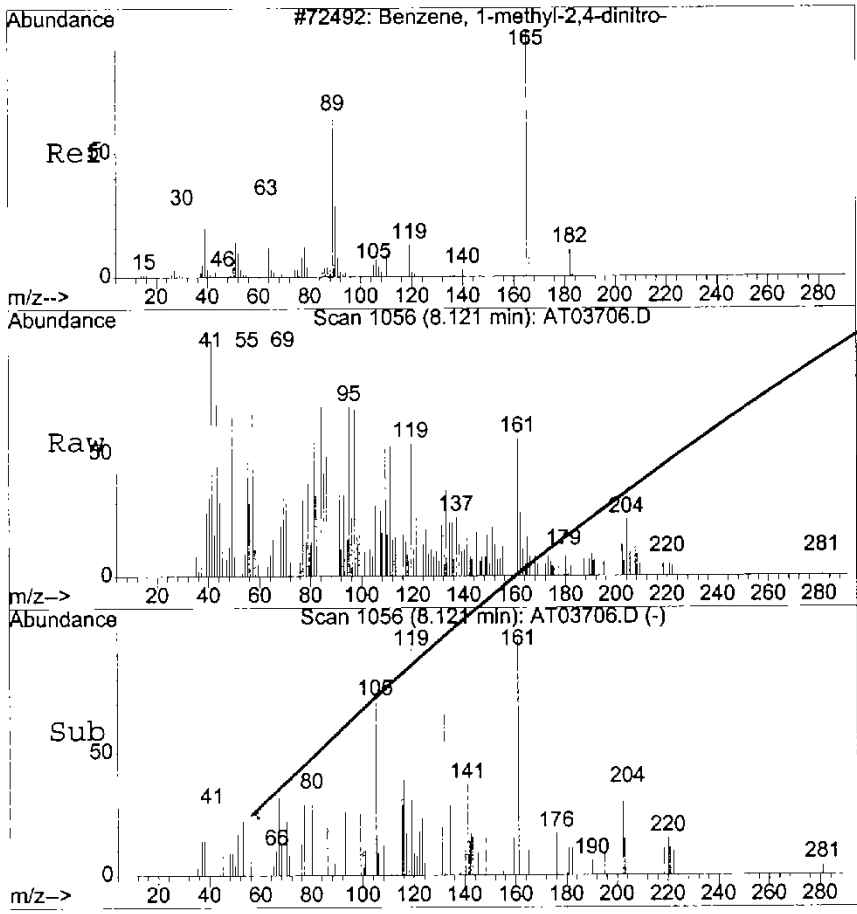


#55
Dibenzofuran
Concen: 10.62 ug/L
RT: 8.18 min Scan# 1067
Delta R.T. 0.01 min
Lab File: AT03706.D
Acq: 1 Mar 2005 4:39 pm

Tgt Ion:168 Resp: 7019

Ion	Ratio	Lower	Upper
168	100		
139	39.4	0.6	60.6
169	15.6	0.0	42.8

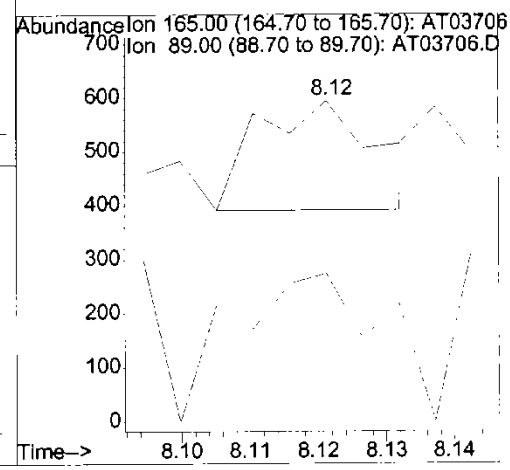


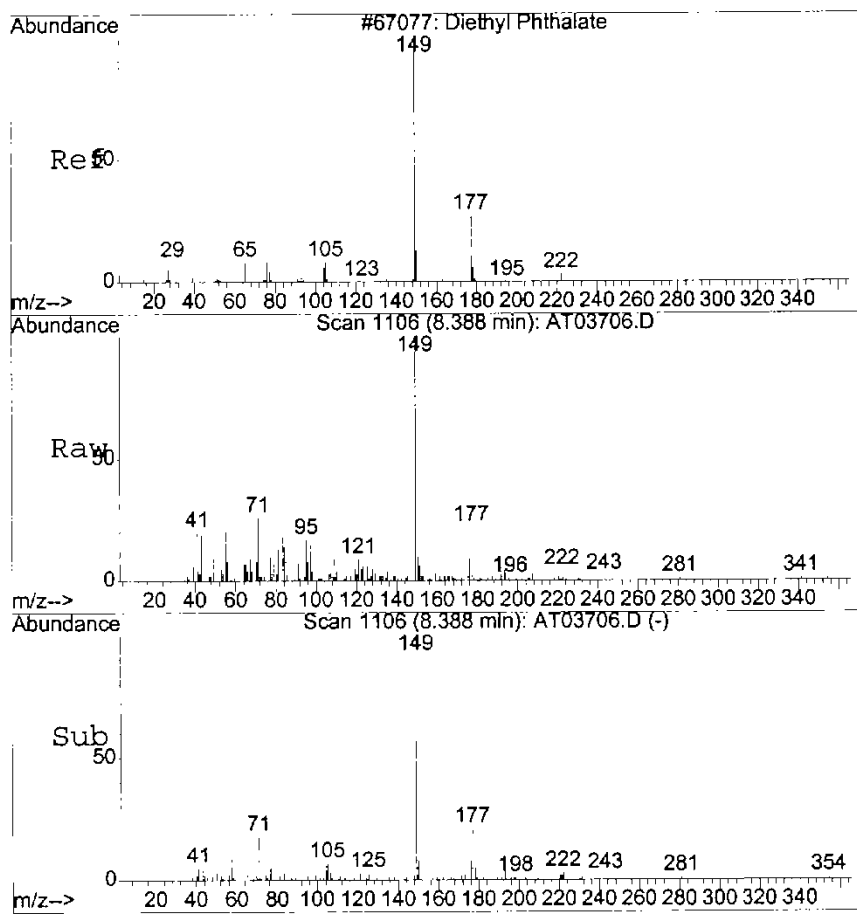


#56
2,4-Dinitrotoluene
Concen: 32.71 ug/L
RT: 8.12 min Scan# 1056
Delta R.T. -0.04 min
Lab File: AT03706.D
Acq: 1 Mar 2005 4:39 pm

Tgt Ion:165 Resp: 245

Ion	Ratio	Lower	Upper
165	100		
89	39.6	22.1	82.1

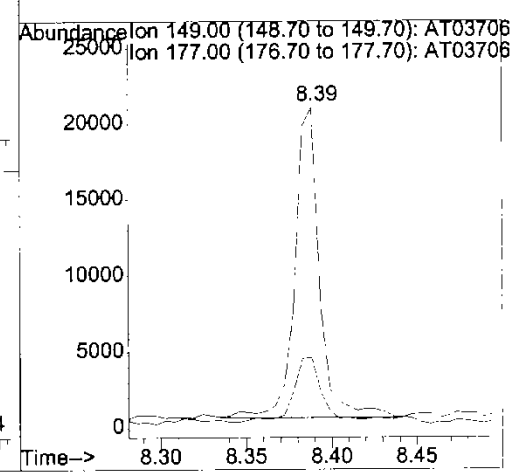




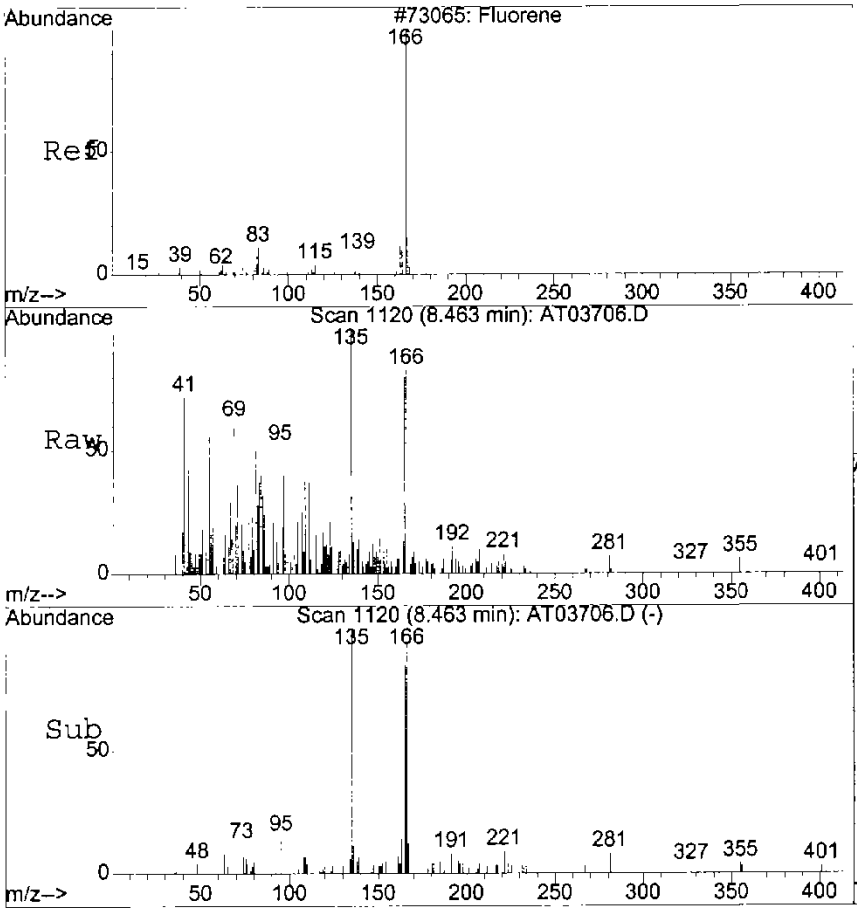
#59
Diethylphthalate
Concen: 38.06 ug/L
RT: 8.39 min Scan# 1106
Delta R.T. 0.01 min
Lab File: AT03706.D
Acq: 1 Mar 2005 4:39 pm

Tgt Ion:149 Resp: 20542

Ion	Ratio	Lower	Upper
149	100		
177	19.7	0.0	53.1



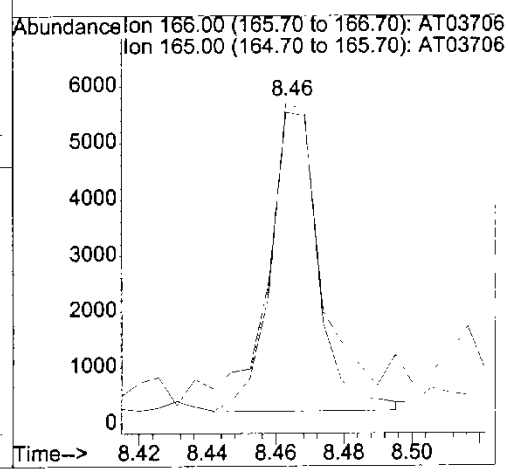
00578

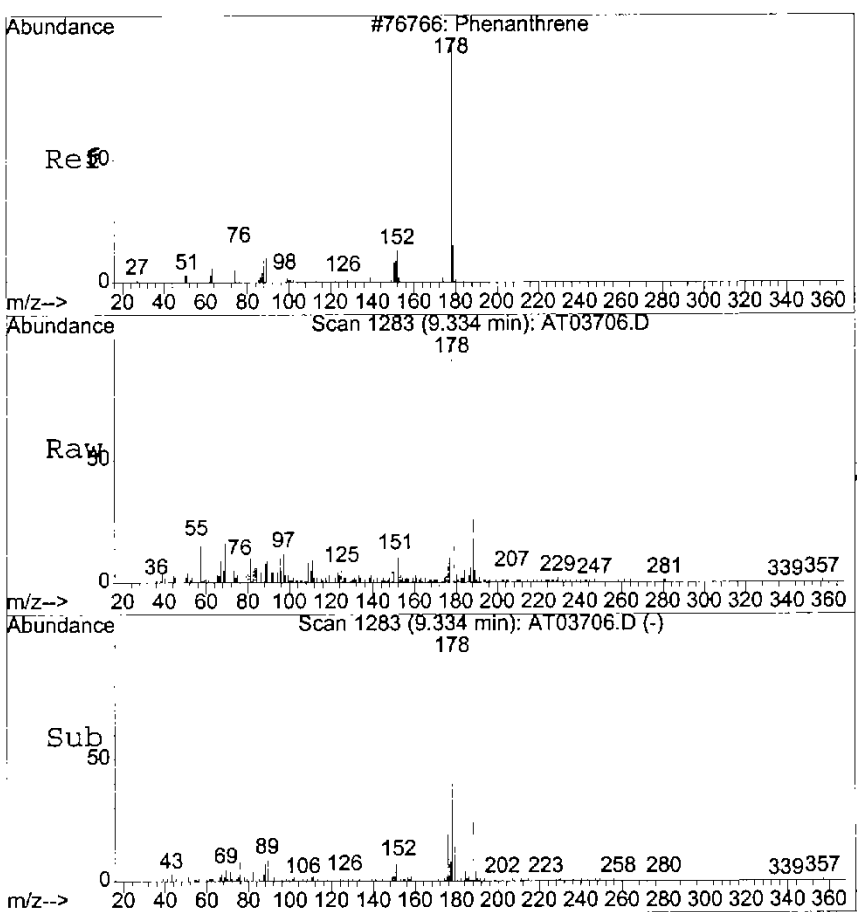


#60
Fluorene
Concen: 10.28 ug/L
RT: 8.46 min Scan# 1120
Delta R.T. 0.00 min
Lab File: AT03706.D
Acq: 1 Mar 2005 4:39 pm

Tgt Ion:166 Resp: 5229

Ion	Ratio	Lower	Upper
166	100		
165	85.2	65.1	125.1

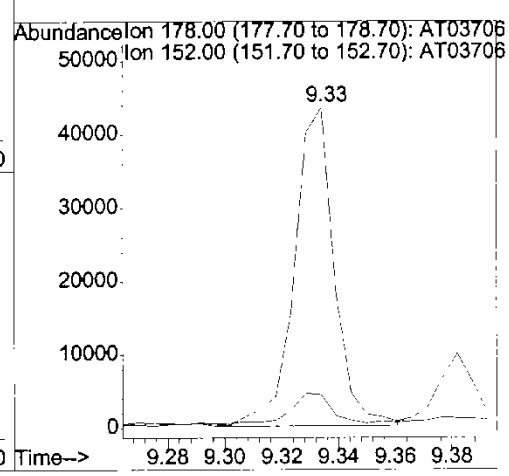


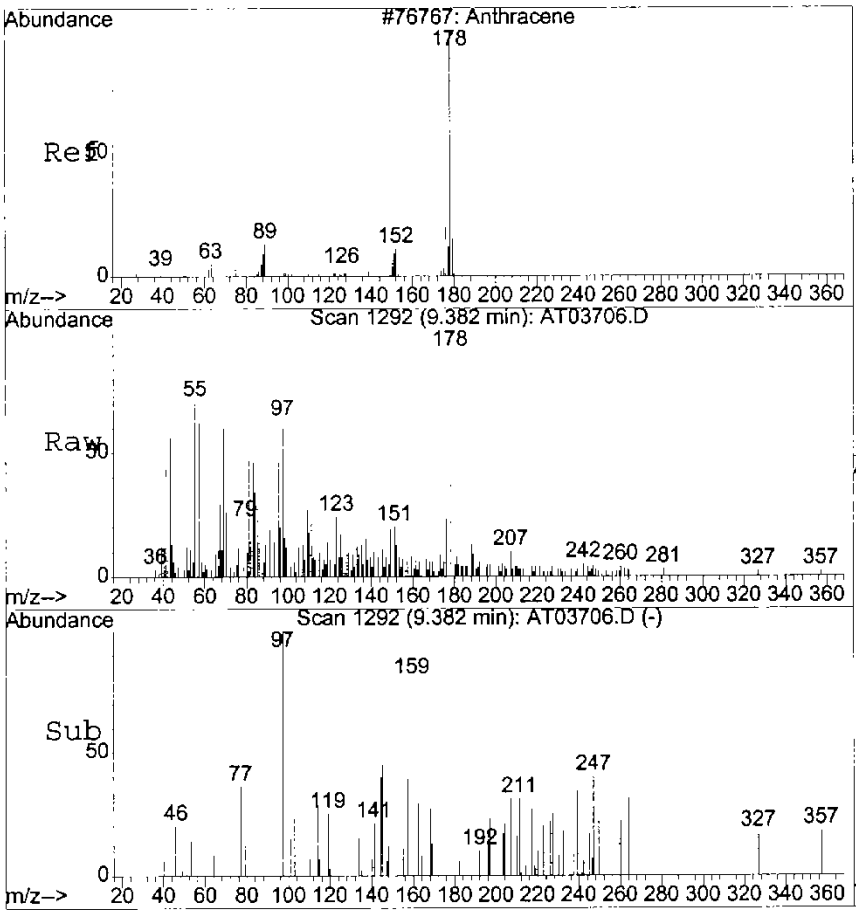


#71
Phenanthrene
Concen: 52.12 ug/L
RT: 9.33 min Scan# 1283
Delta R.T. 0.01 min
Lab File: AT03706.D
Acq: 1 Mar 2005 4:39 pm

Tgt Ion:178 Resp: 42195

Ion	Ratio	Lower	Upper
178	100		
152	8.9	0.0	38.6

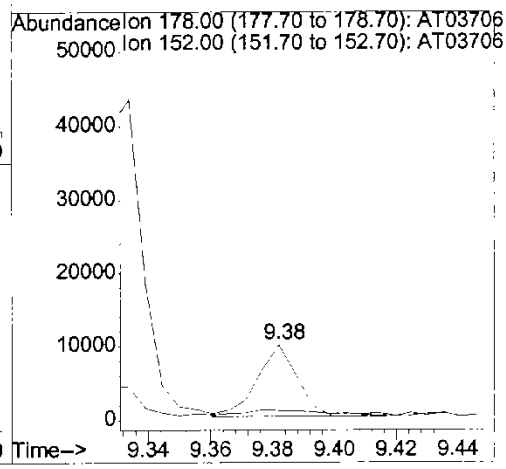


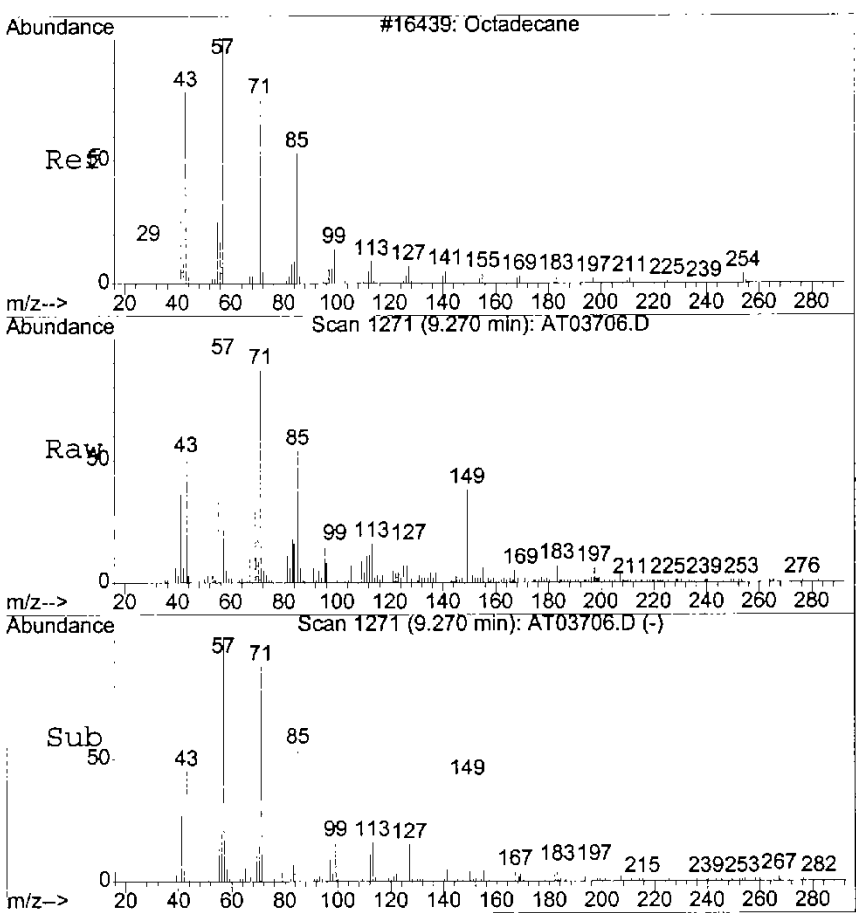


#72
Anthracene
Concen: 11.97 ug/L
RT: 9.38 min Scan# 1292
Delta R.T. 0.01 min
Lab File: AT03706.D
Acq: 1 Mar 2005 4:39 pm

Tgt Ion:178 Resp: 8790

Ion	Ratio	Lower	Upper
178	100		
152	6.8	0.0	37.1

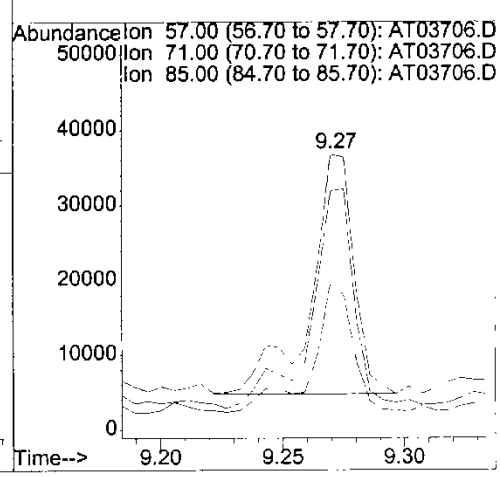


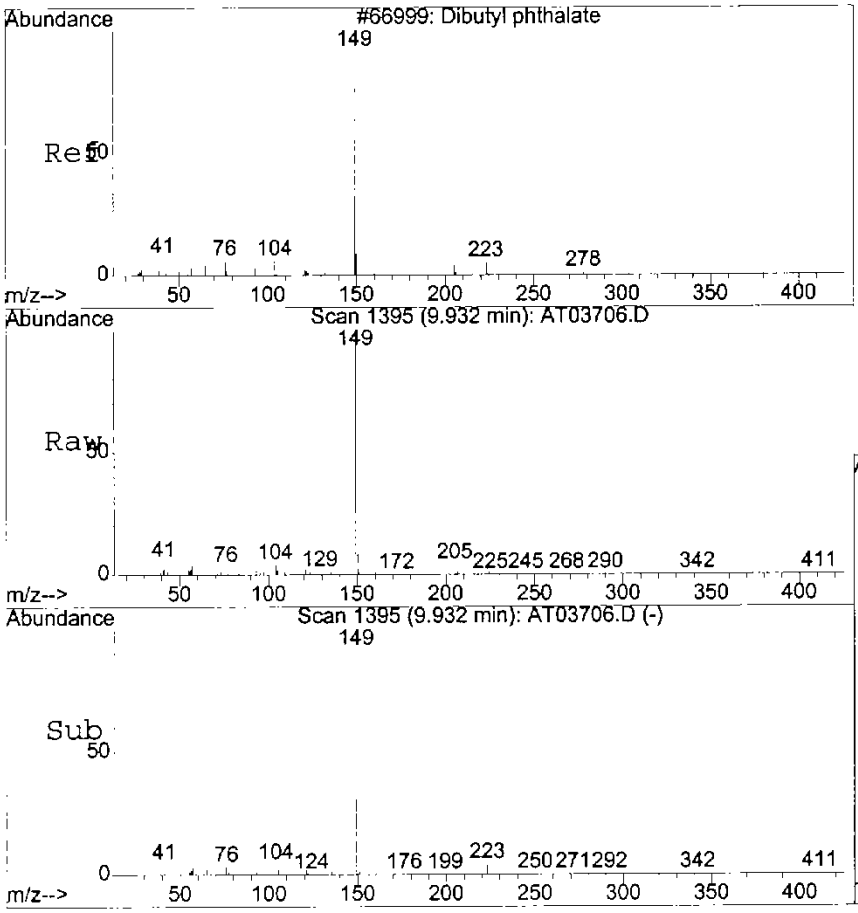


#73
Octadecane
Concen: 170.34 ul/L
RT: 9.27 min Scan# 1271
Delta R.T. 0.03 min
Lab File: AT03706.D
Acq: 1 Mar 2005 4:39 pm

Tgt Ion: 57 Resp: 40019

Ion	Ratio	Lower	Upper
57	100		
71	92.1	51.7	96.1
85	50.7	37.4	69.4

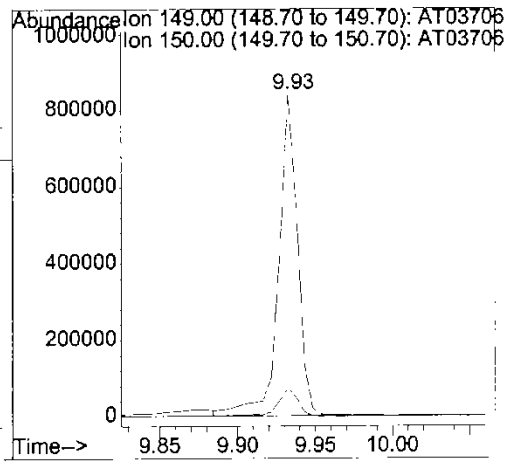


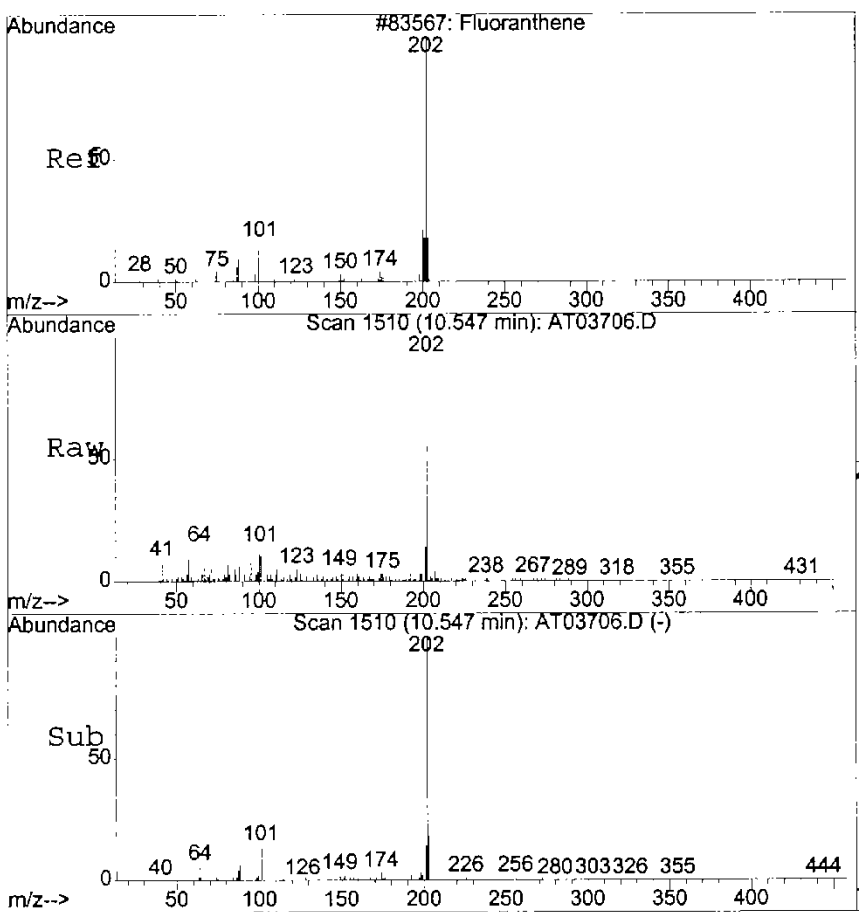


#75
Di-n-butylphthalate
Concen: 827.50 ug/L
RT: 9.93 min Scan# 1395
Delta R.T. 0.00 min
Lab File: AT03706.D
Acq: 1 Mar 2005 4:39 pm

Tgt Ion:149 Resp: 720091

Ion	Ratio	Lower	Upper
149	100		
150	8.7	0.0	38.8

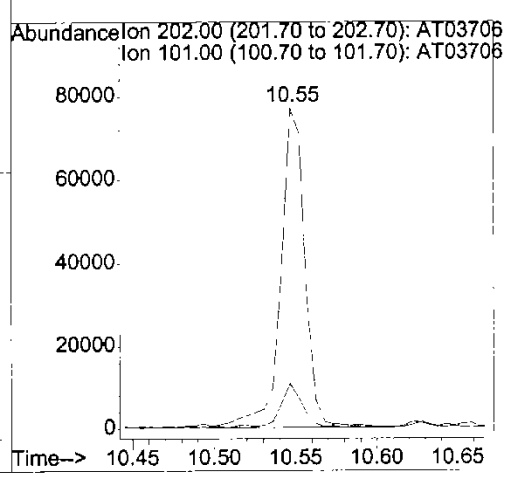


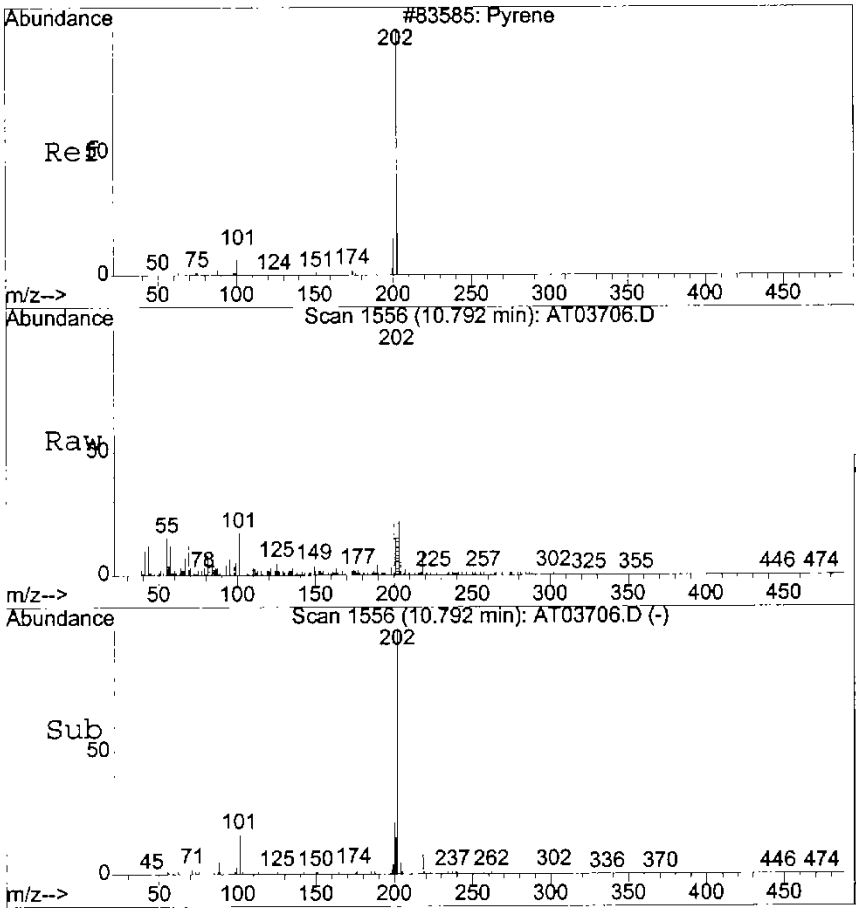


#76
Fluoranthene
Concen: 96.38 ug/L
RT: 10.55 min Scan# 1510
Delta R.T. 0.01 min
Lab File: AT03706.D
Acq: 1 Mar 2005 4:39 pm

Tgt Ion:202 Resp: 79633

Ion	Ratio	Lower	Upper
202	100		
101	13.9	0.0	43.1

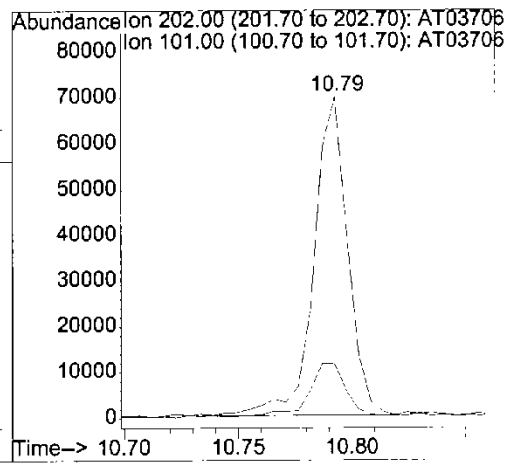


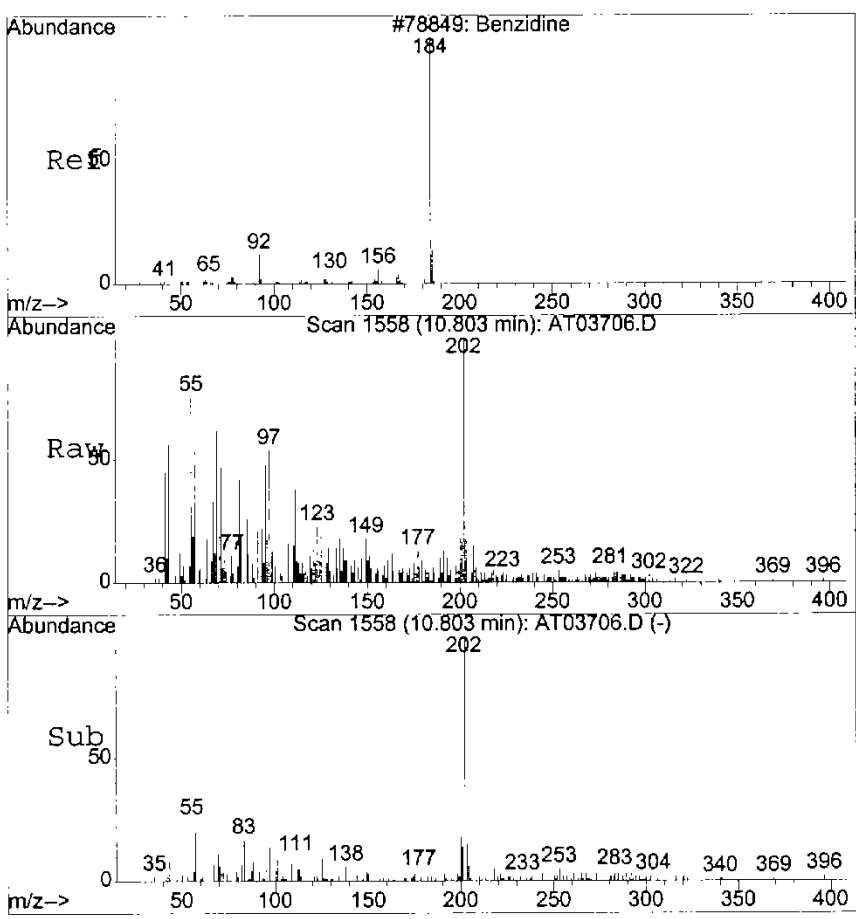


#77
Pyrene
Concen: 84.16 ug/L
RT: 10.79 min Scan# 1556
Delta R.T. 0.01 min
Lab File: AT03706.D
Acq: 1 Mar 2005 4:39 pm

Tgt Ion:202 Resp: 72123

Ion	Ratio	Lower	Upper
202	100		
101	16.1	0.0	44.9

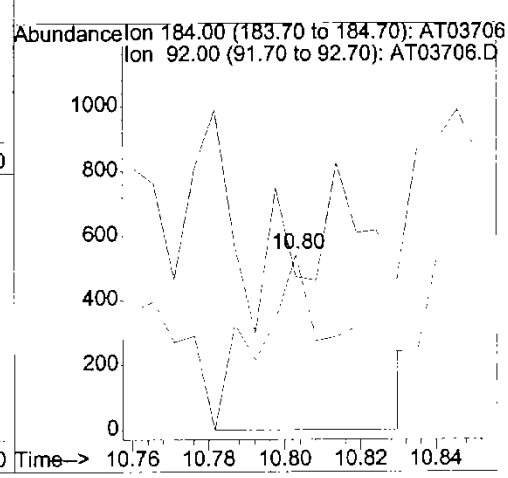


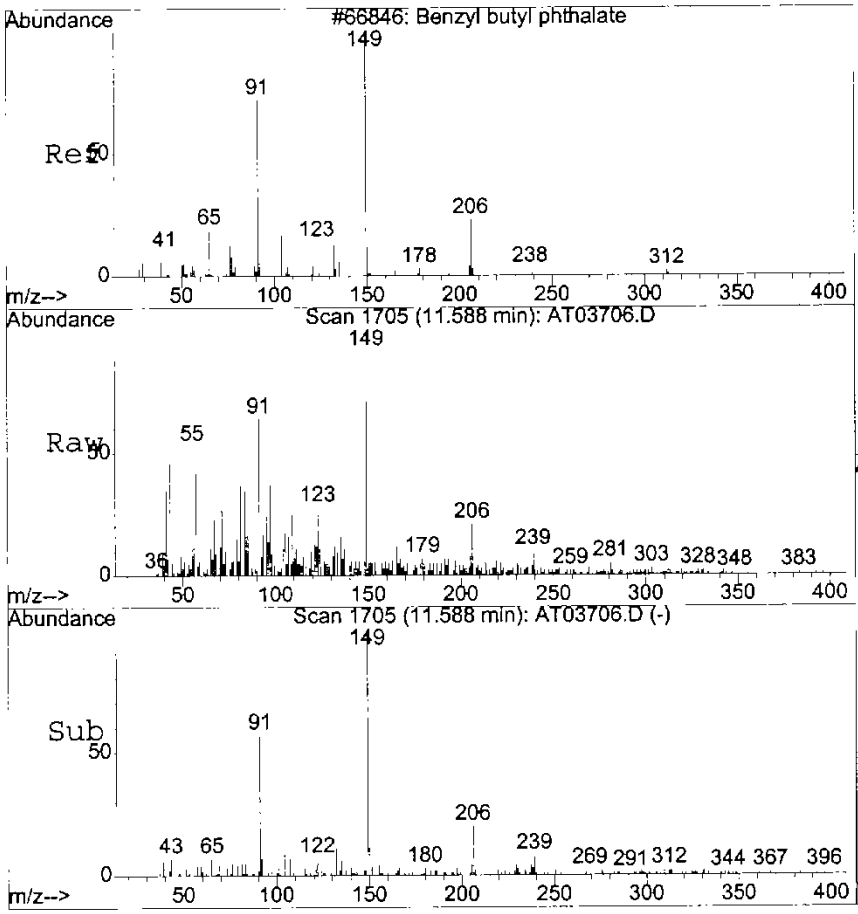


#78
Benzidine
Concen: 7.64 ul/l
RT: 10.80 min Scan# 1558
Delta R.T. 0.09 min
Lab File: AT03706.D
Acq: 1 Mar 2005 4:39 pm

Tgt Ion:184 Resp: 898

Ion	Ratio	Lower	Upper
184	100		
92	28.4	0.0	39.3

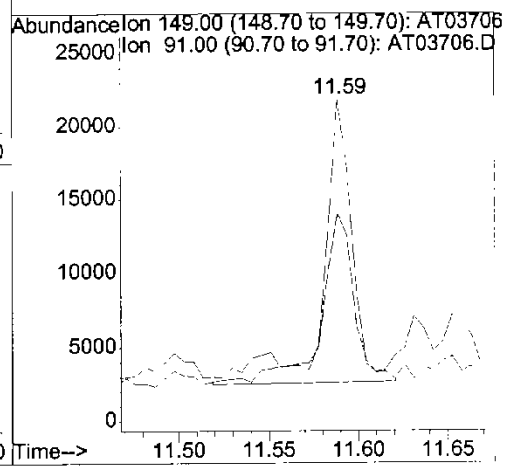


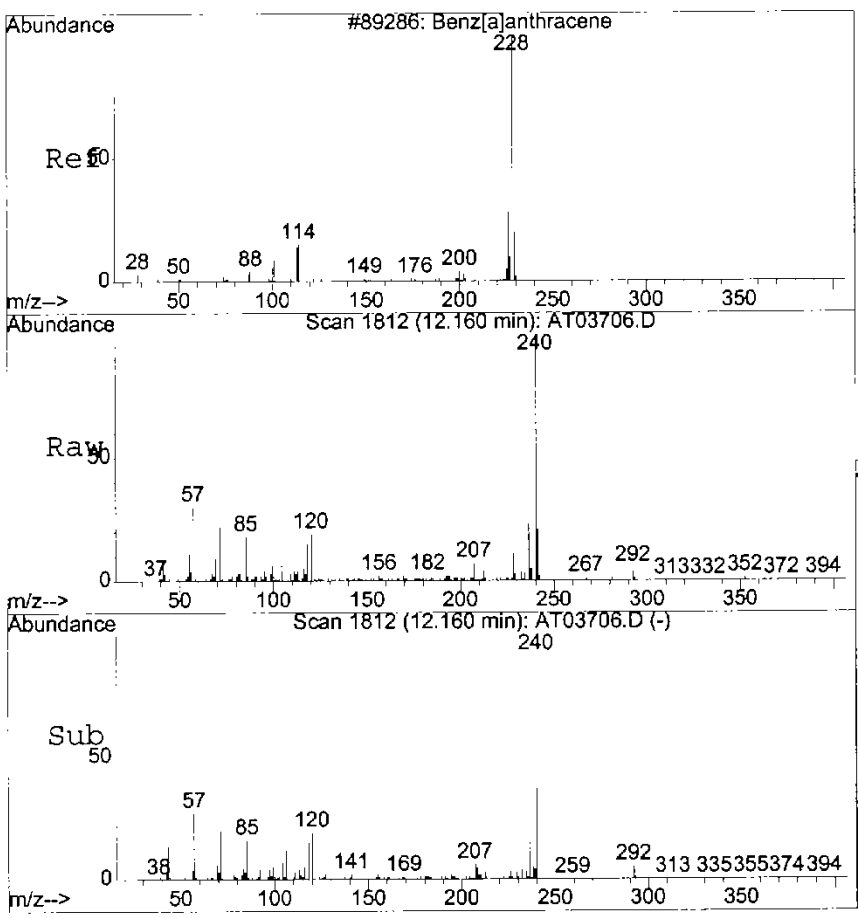


#81
Butylbenzylphthalate
Concen: 123.39 ug/L
RT: 11.59 min Scan# 1705
Delta R.T. 0.01 min
Lab File: AT03706.D
Acq: 1 Mar 2005 4:39 pm

Tgt Ion:149 Resp: 20192

Ion	Ratio	Lower	Upper
149	100		
91	54.2	30.6	90.6

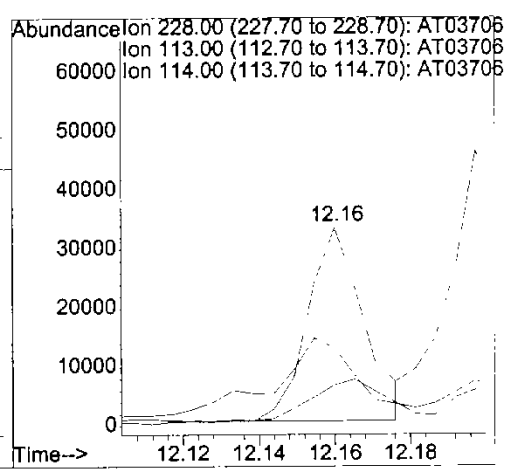


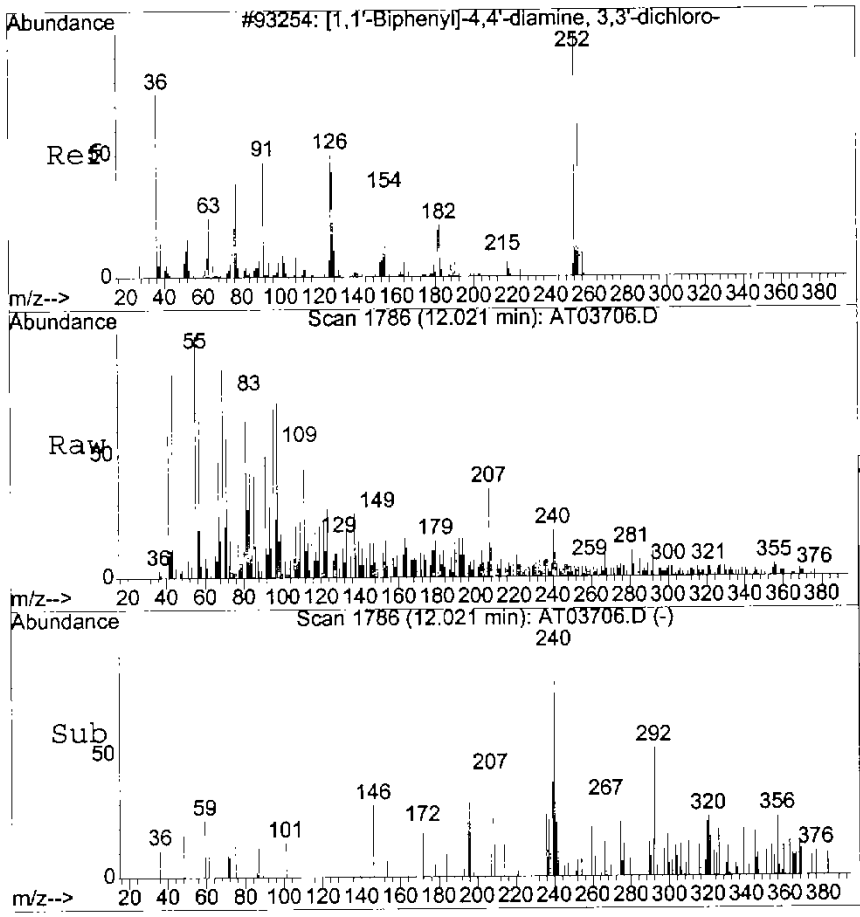


#82
Benzo(a)anthracene
Concen: 44.79 ug/L
RT: 12.16 min Scan# 1812
Delta R.T. 0.01 min
Lab File: AT03706.D
Acq: 1 Mar 2005 4:39 pm

Tgt Ion:228 Resp: 33736

Ion	Ratio	Lower	Upper
228	100		
113	31.4	0.0	41.1
114	15.7	0.0	42.7

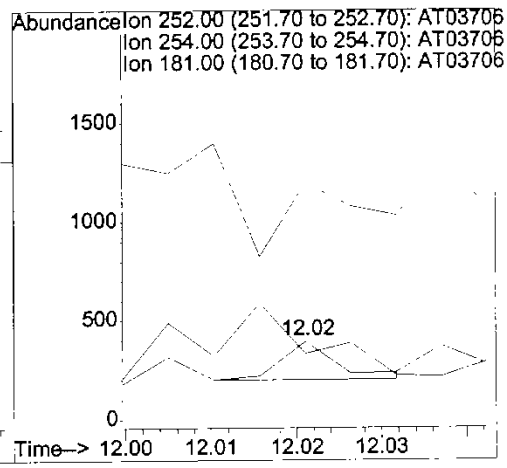


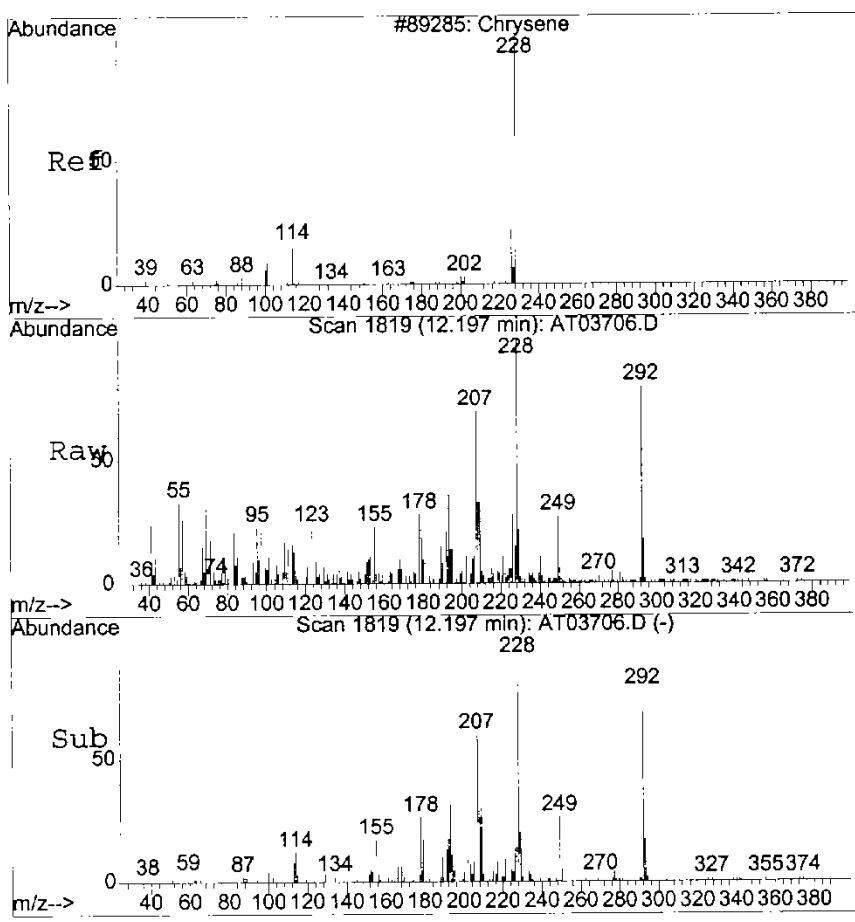


#83
3,3'-Dichlorobenzidine
Concen: 27.80 ug/L
RT: 12.02 min Scan# 1786
Delta R.T. -0.13 min
Lab File: AT03706.D
Acq: 1 Mar 2005 4:39 pm

Tgt Ion:252 Resp: 89

Ion	Ratio	Lower	Upper
252	100		
254	34.5	33.6	93.6
181	0.0	0.0	38.3

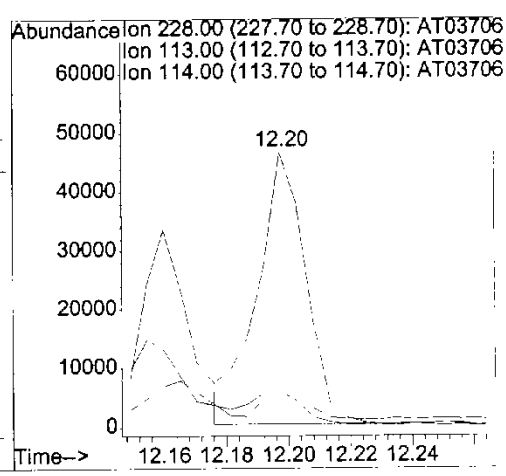


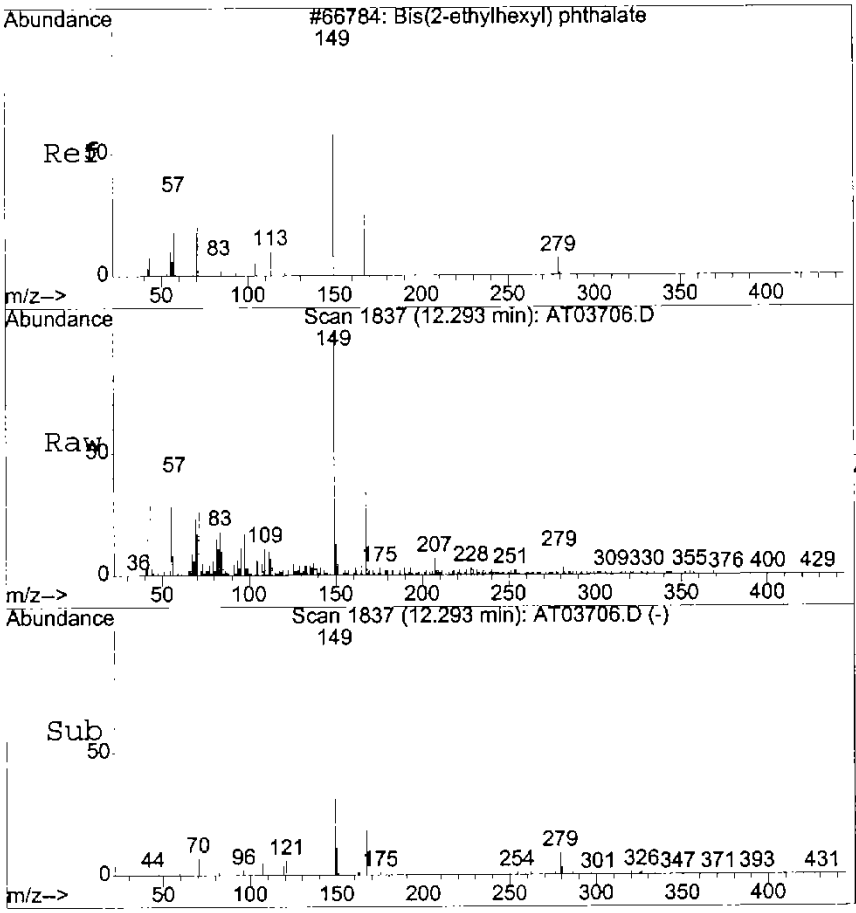


#84
Chrysene
Concen: 63.66 ug/L
RT: 12.20 min Scan# 1819
Delta R.T. 0.01 min
Lab File: AT03706.D
Acq: 1 Mar 2005 4:39 pm

Tgt Ion:228 Resp: 49976

Ion	Ratio	Lower	Upper
228	100		
113	11.7	0.0	42.9
114	9.3	0.0	41.2

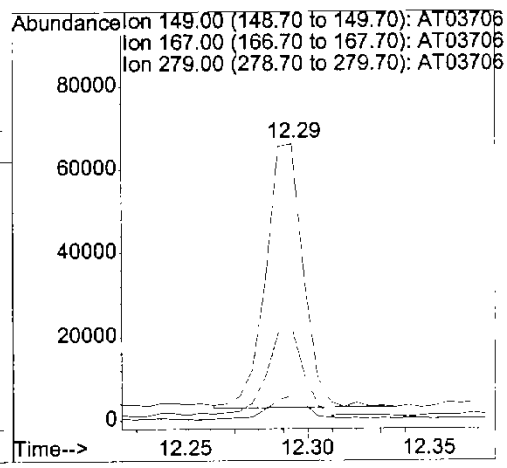


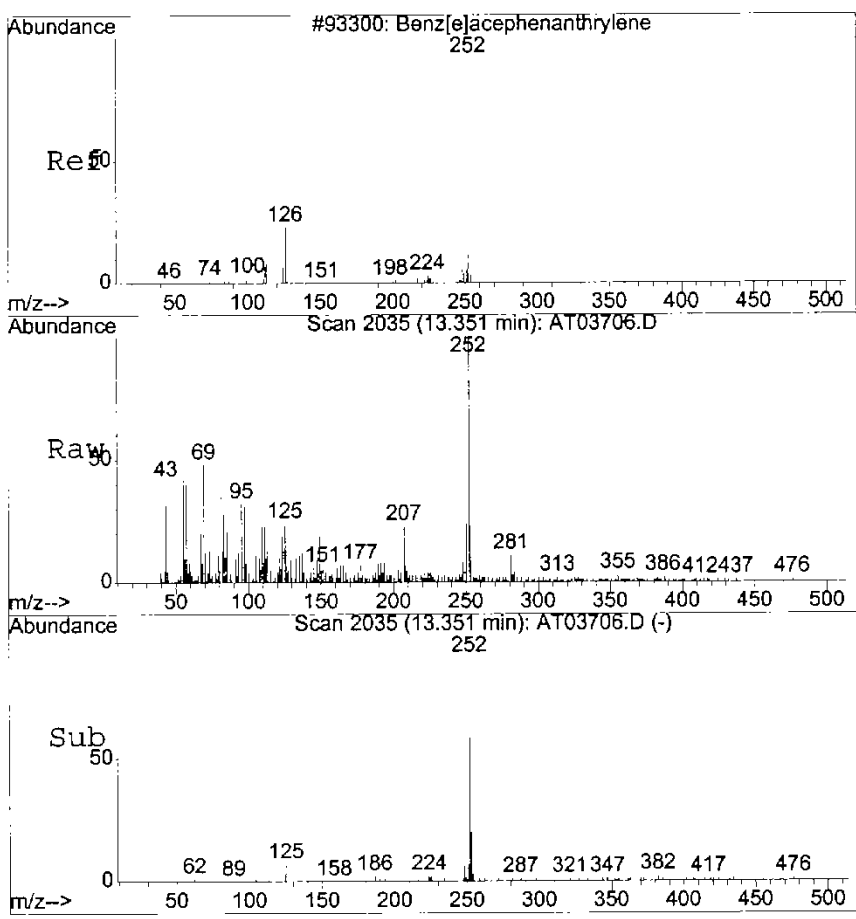


#85
bis(2-Ethylhexyl)phthalate
Concen: 137.85 ug/L
RT: 12.29 min Scan# 1837
Delta R.T. 0.01 min
Lab File: AT03706.D
Acq: 1 Mar 2005 4:39 pm

Tgt Ion:149 Resp: 67053

Ion	Ratio	Lower	Upper
149	100		
167	33.3	2.4	62.4
279	8.9	0.0	39.8

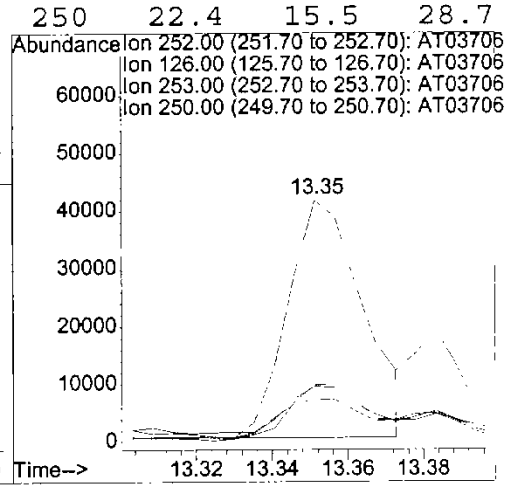


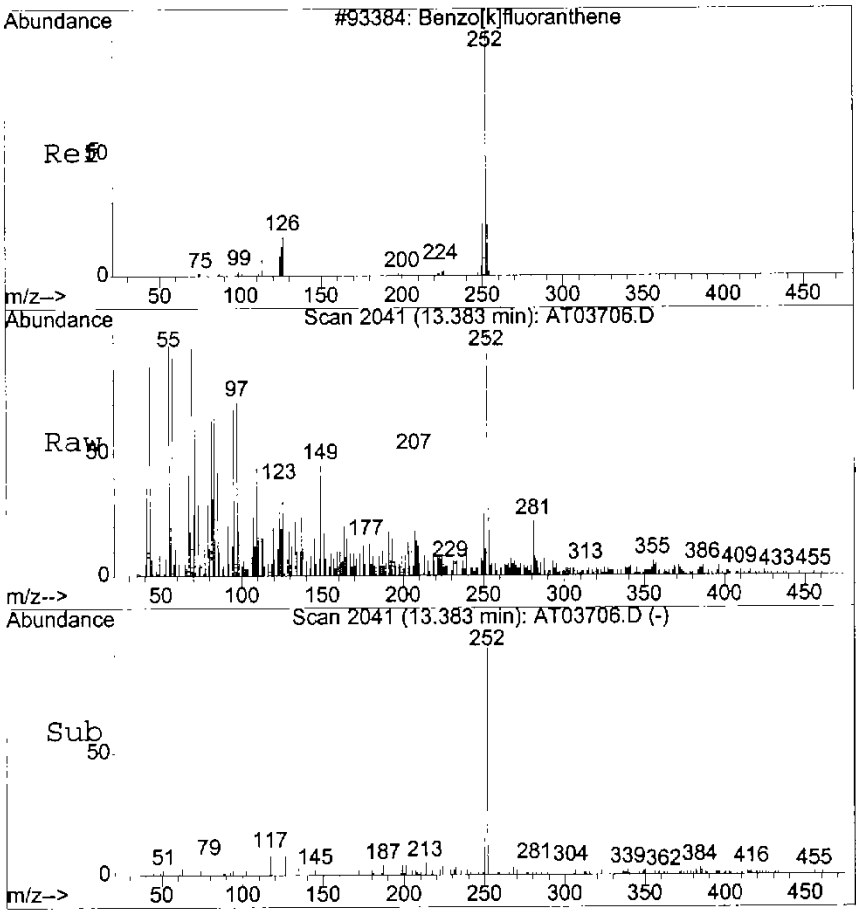


#88
Benzo(b)fluoranthene
Concen: 77.84 ul/l
RT: 13.35 min Scan# 2035
Delta R.T. 0.01 min
Lab File: AT03706.D
Acq: 1 Mar 2005 4:39 pm

Tgt Ion:252 Resp: 56852

Ion	Ratio	Lower	Upper
252	100		
126	13.2	11.5	21.5
253	21.0	15.2	28.2
250	22.4	15.5	28.7

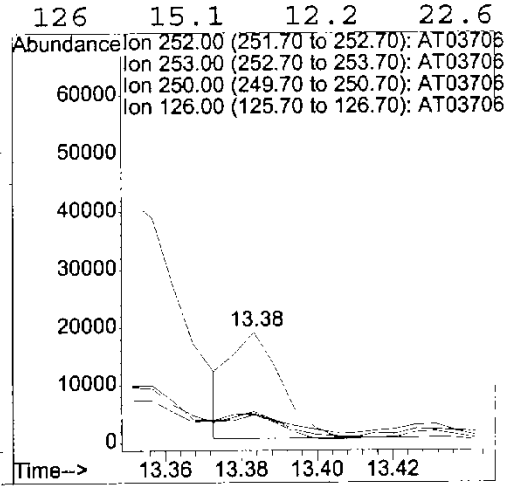


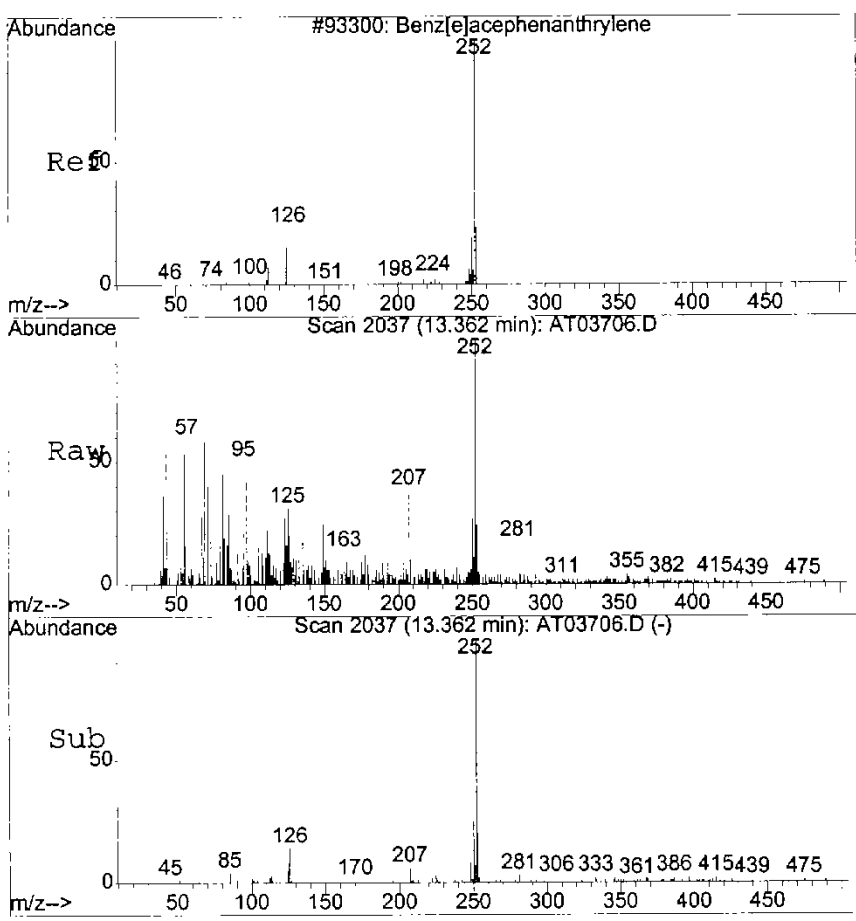


#89
benzo(k)fluoranthene
Concen: 22.25 ul/l
RT: 13.38 min Scan# 2041
Delta R.T. 0.01 min
Lab File: AT03706.D
Acq: 1 Mar 2005 4:39 pm

Tgt Ion:252 Resp: 16972

Ion	Ratio	Lower	Upper
252	100		
253	22.7	15.3	28.5
250	19.4	15.5	28.9
126	15.1	12.2	22.6

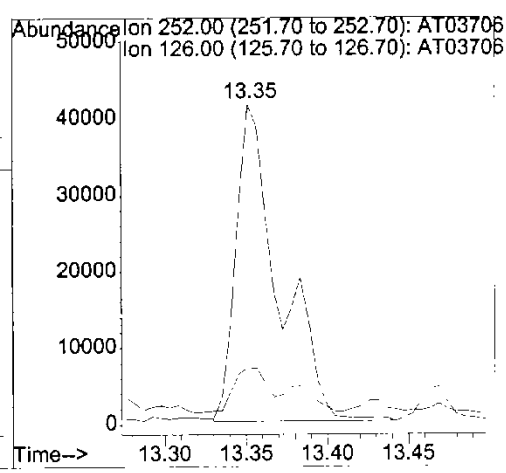


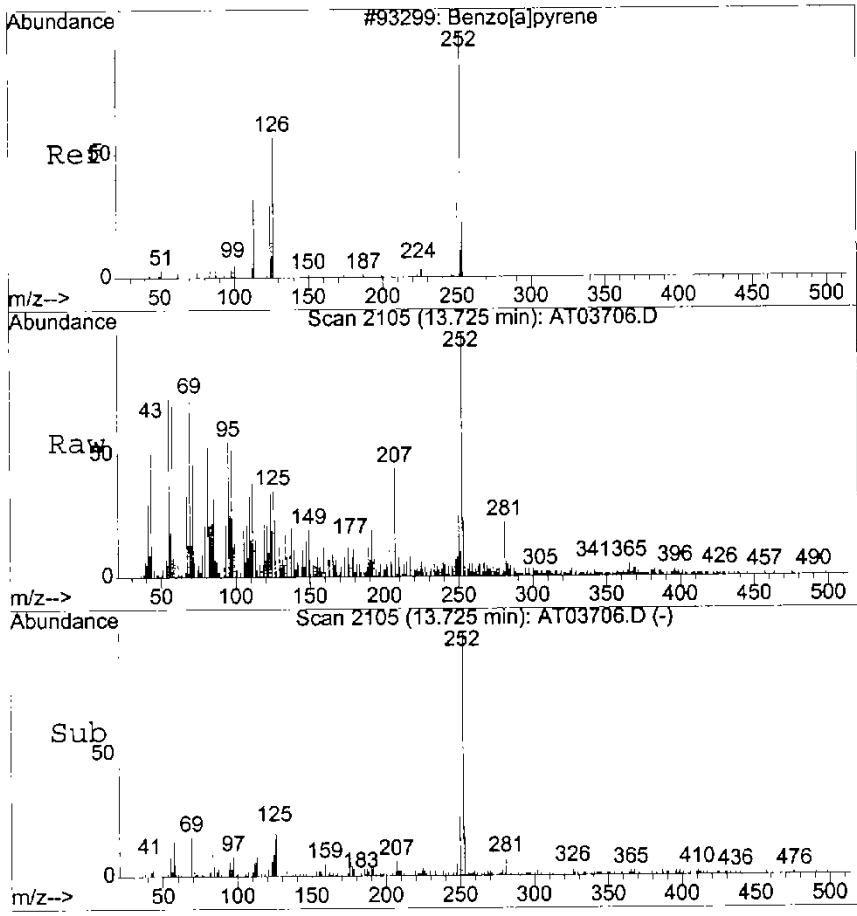


#90
Benzofluoranthenes
Concen: 98.47 ug/L
RT: 13.36 min Scan# 2037
Delta R.T. 0.01 min
Lab File: AT03706.D
Acq: 1 Mar 2005 4:39 pm

Tgt Ion:252 Resp: 76079

Ion	Ratio	Lower	Upper
252	100		
126	13.1	0.0	47.4

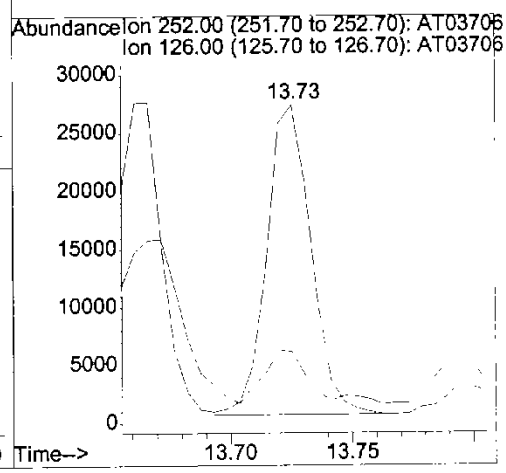


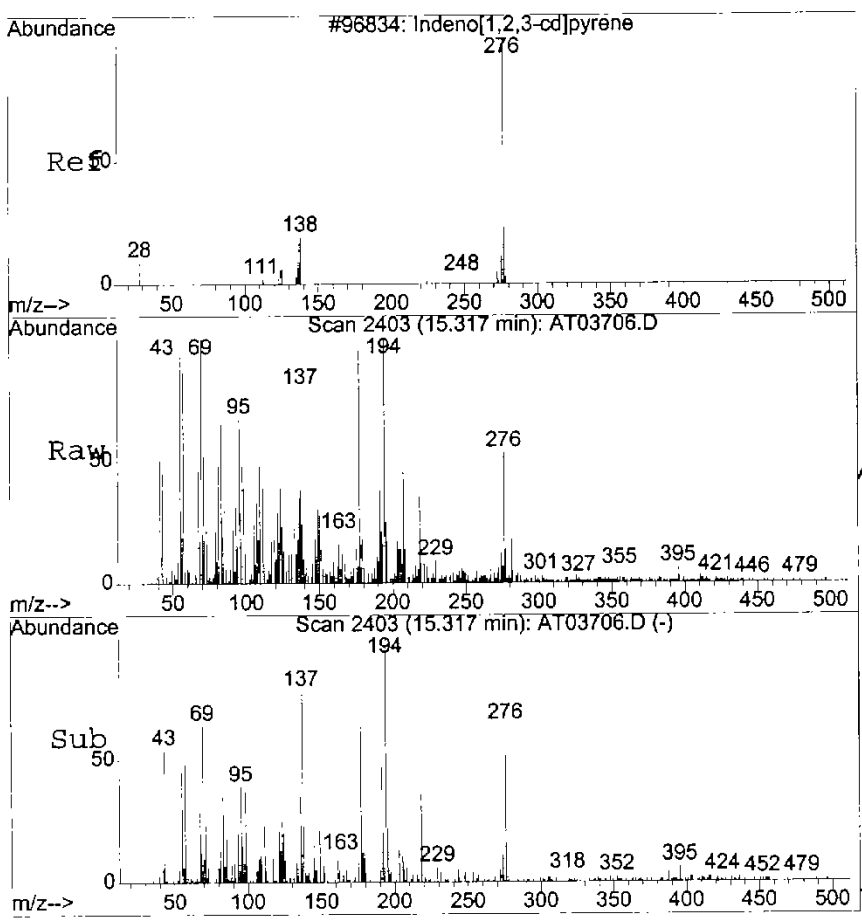


#91
Benzo(a)pyrene
Concen: 50.55 ug/L
RT: 13.72 min Scan# 2105
Delta R.T. 0.01 min
Lab File: AT03706.D
Acq: 1 Mar 2005 4:39 pm

Tgt Ion:252 Resp: 33486

Ion	Ratio	Lower	Upper
252	100		
126	13.8	0.0	45.3

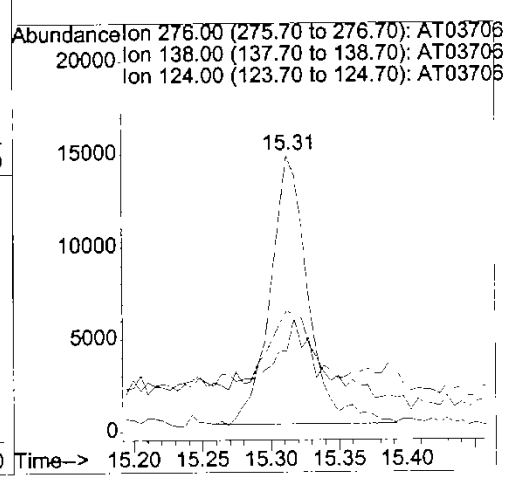


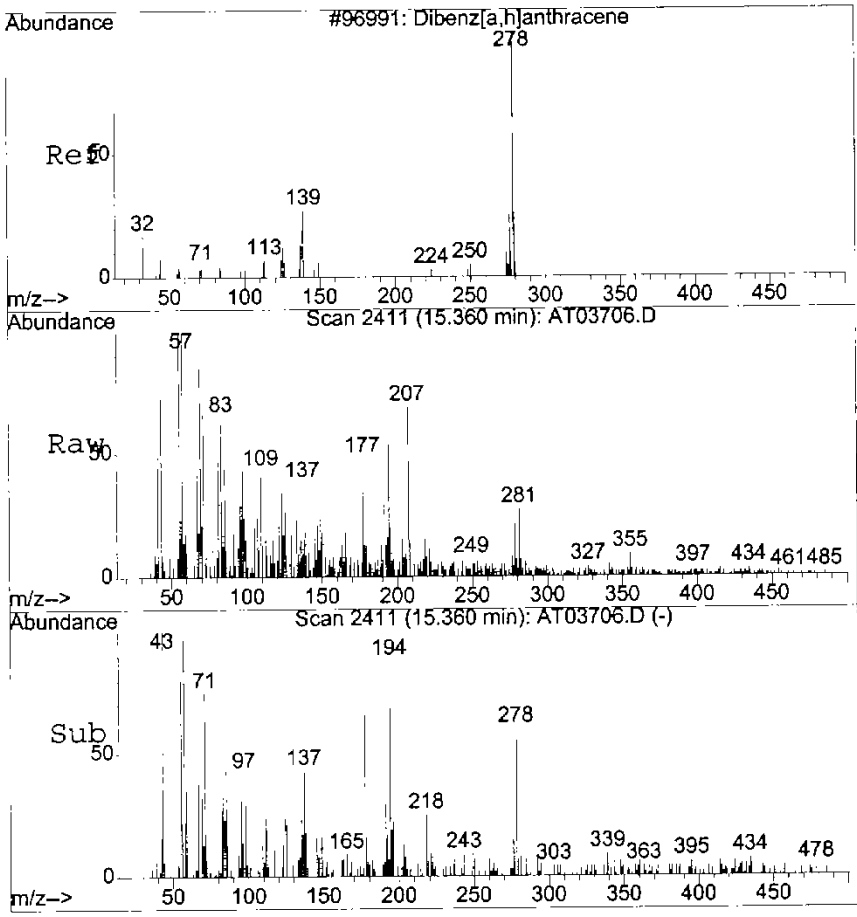


#92
Indeno(1,2,3-cd)pyrene
Concen: 57.42 ug/L
RT: 15.32 min Scan# 2403
Delta R.T. 0.02 min
Lab File: AT03706.D
Acq: 1 Mar 2005 4:39 pm

Tgt Ion:276 Resp: 28066

Ion	Ratio	Lower	Upper
276	100		
138	30.4	0.0	51.8
124	24.0	0.0	35.4

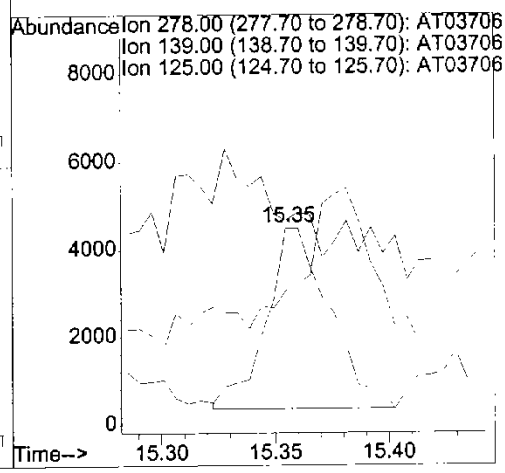


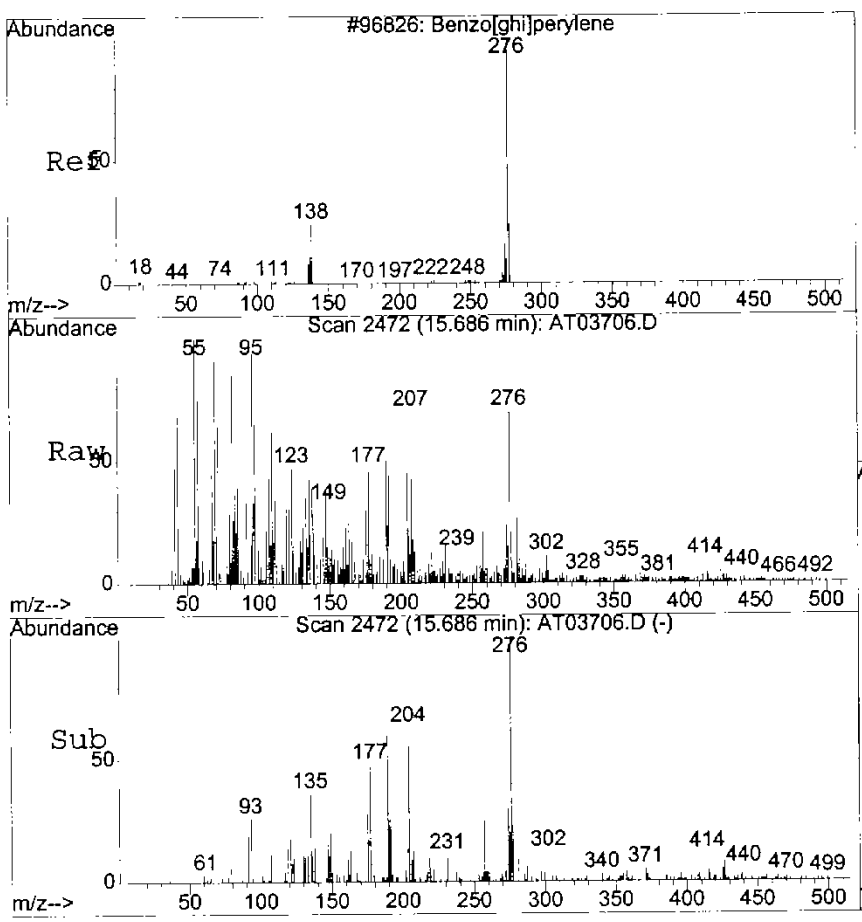


#93
Dibenz(a,h)anthracene
Concen: 22.84 ug/L
RT: 15.36 min Scan# 2411
Delta R.T. 0.01 min
Lab File: AT03706.D
Acq: 1 Mar 2005 4:39 pm

Tgt Ion:278 Resp: 7964

Ion	Ratio	Lower	Upper
278	100		
139	19.2	0.0	46.7
125	4.0	0.0	35.8

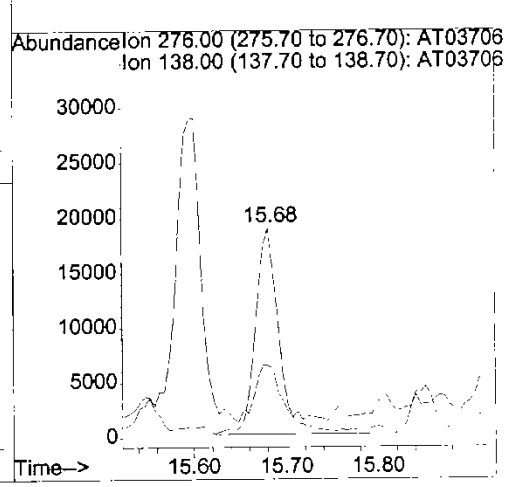




#94
Benzo(g,h,i)perylene
Concen: 46.58 ug/L
RT: 15.69 min Scan# 2472
Delta R.T. 0.03 min
Lab File: AT03706.D
Acq: 1 Mar 2005 4:39 pm

Tgt Ion:276 Resp: 34460

Ion	Ratio	Lower	Upper
276	100		
138	23.1	0.0	54.3



Quantitation Report (Not Reviewed)

Data File : H:\DATA\030105_A\AT03693.D
Acq On : 1 Mar 2005 10:09 am
Sample : 126377-6 &1
Misc :
MS Integration Params: Rteint.p
Quant Time: Mar 01 10:56:57 2005

Vial: 7
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: 8270_022505.RES

Quant Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Feb 28 14:16:48 2005
Response via : Initial Calibration
DataAcq Meth : 8270

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4 (I)	5.43	152	247168	1000.000 ug/L	0.00
23) Naphthalene - d8 (I)	6.54	136	983332	1000.000 ug/L	0.00
39) Acenaphthene - d10 (I)	8.00	162	509123	1000.000 ug/L	0.00
63) Phenanthrene - d10 (I)	9.30	188	895154	1000.000 ug/L	0.00
80) Chrysene - d12 (I)	12.16	240	901814	1000.000 ul/l	0.00
86) Perylene - d12 (I)	13.78	264	862044	1000.000 ug/L	0.00
System Monitoring Compounds					
4) 2 - Fluorophenol (S)	4.15	112	130241	629.33 ug/L	0.00
8) Phenol - d5 (S)	5.13	99	189936	815.42 ug/L	0.00
24) Nitrobenzene - d5 (S)	5.93	82	73084	362.48 ug/L	0.00
44) 2 - Fluorobiphenyl (S)	7.45	172	193799	352.79 ug/L	0.00
66) 2,4,6 - Tribromophenol (S)	8.67	330	59095	680.75 ug/L	0.00
79) p - Terphenyl - d14 (S)	11.00	244	425620	785.32 ug/L	0.00
Target Compounds					Qvalue
3) Pyridine	2.71	79	152	180.272 ug/L	68
5) Cyclohexanone	4.43	55	1699	10.478 ul/L	91
9) Phenol	5.15	94	22877	92.112 ug/L	90
15) Benzyl alcohol	5.58	79	8708	78.915 ug/L	93
16) 1,2-Dichlorobenzene	5.58	146	1829	6.093 ug/L	89
19) 3-&4-Methylphenol	5.83	108	1411	32.885 ug/L	88
27) 2-Nitrophenol	6.22	139	1490	13.271 ug/L	73
28) 2,4-Dimethylphenol	6.28	107	313	29.114 ug/L	88
30) Benzoic Acid	6.33	105	20839	535.059 ug/L	99
32) 1,2,4-Trichlorobenzene	6.50	180	1857	7.383 ug/L	86
51) 3-Nitroaniline	7.98	138	186	Below Cal #	52
53) 2,4-Dinitrophenol	8.08	184	431	351.339 ug/L	51
55) Dibenzofuran	8.17	168	3449	5.572 ug/L	84
56) 2,4-Dinitrotoluene	8.20	165	295	33.134 ug/L	83
57) 2,3,4,6-Tetrachlorophenol	8.24	232	219	52.669 ug/L	76
59) Diethylphthalate	8.38	149	26435	52.279 ug/L	100
73) Octadecane	9.27	57	2705	12.772 ul/L	95
75) Di-n-butylphthalate	9.93	149	2486167	3169.137 ug/L	100
78) Benzidine	10.50	184	2479	23.402 ul/l	97
81) Butylbenzylphthalate	11.58	149	43378	201.704 ug/L	93
83) 3,3'-Dichlorobenzidine	12.28	252	63	27.721 ug/L	65
85) bis(2-Ethylhexyl)phthalate	12.28	149	184665	436.444 ug/L	96
92) Indeno(1,2,3-cd)pyrene	15.26	276	129	19.527 ug/L	60
93) Dibenz(a,h)anthracene	15.49	278	122	12.821 ug/L	54

(#) = qualifier out of range (m) = manual integration

008589

Quantitation Report (Not Reviewed)

Data File : H:\DATA\022505_A\AT03674.D
Acq On : 25 Feb 2005 2:04 pm
Sample : 126377-6 &1
Misc :
MS Integration Params: Rteint.p
Quant Time: Feb 25 14:35:02 2005

Vial: 15
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: 8270_022505.RES

Quant Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Fri Feb 25 12:17:02 2005
Response via : Initial Calibration
DataAcq Meth : 8270

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4 (I)	5.56	152	284787	1000.000 ug/L	0.00
23) Naphthalene - d8 (I)	6.67	136	1128479	1000.000 ug/L	0.00
39) Acenaphthene - d10 (I)	8.13	162	602112	1000.000 ug/L	0.00
63) Phenanthrene - d10 (I)	9.45	188	1037976	1000.000 ug/L	0.00
80) Chrysene - d12 (I)	12.33	240	1093463	1000.000 ul/l	0.00
86) Perylene - d12 (I)	14.00	264	1060053	1000.000 ug/L	0.00
System Monitoring Compounds					
4) 2 - Fluorophenol (S)	4.29	112	43455	182.24 ug/L	-0.03
8) Phenol - d5 (S)	5.25	99	106978	398.60 ug/L	0.00
24) Nitrobenzene - d5 (S)	6.05	82	30871	133.42 ug/L	-0.01
44) 2 - Fluorobiphenyl (S)	7.58	172	160319	246.77 ug/L	0.00
66) 2,4,6 - Tribromophenol (S)	8.80	330	59505	595.04 ug/L	0.00
79) p - Terphenyl - d14 (S)	11.15	244	446830	711.01 ug/L	0.00
Target Compounds					Qvalue
3) Pyridine	2.71	79	126	~~180.102 ug/L~~	78
5) Cyclohexanone	4.57	55	3440	~~18.413 ul~~/L	84
6) Benzaldehyde	5.17	105	10353	48.014 ul/L	81
9) Phenol	5.26	94	27254	95.240 ug/L	90
12) Decane	5.43	57	8500	29.340 ul/L	98
13) 1,3-Dichlorobenzene	5.50	146	2899	8.732 ug/L	78
15) Benzyl alcohol	5.70	79	10550	81.794 ug/L	88
19) 3-&4-Methylphenol	5.95	108	2166	35.130 ug/L	96
22) Hexachloroethane	5.99	201	741	5.601 ug/L	94
30) Benzoic Acid	6.44	105	35330	626.681 ug/L	92
32) 1,2,4-Trichlorobenzene	6.62	180	3387	11.734 ug/L	90
33) Naphthalene	6.68	128	6691	7.682 ug/L	96
37) 2-Methylnaphthalene	7.27	141	3005	6.512 ug/L	95
38) 1-Methylnaphthalene	7.27	141	2852	5.932 ul/l	96
40) Hexachlorocyclopentadiene	7.39	237	255	30.108 ug/L	74
43) 2,4,5-Trichlorophenol	7.50	196	519	35.785 ug/L	75
47) 2-Nitroaniline	7.81	138	66	~~21.841 ug~~/L	62
51) 3-Nitroaniline	8.09	138	337	Below Cal #	26
53) 2,4-Dinitrophenol	8.22	184	564	~~352.201 ug/L~~	64
56) 2,4-Dinitrotoluene	8.32	165	252	~~32.607 ug/L~~	62
59) Diethylphthalate	8.51	149	25365	42.416 ug/L	98
71) Phenanthrene	9.47	178	5838	6.899 ug/L	93
73) Octadecane	9.38	57	6623	26.968 ul/L	91
75) Di-n-butylphthalate	10.07	149	2428580	2669.768 ug/L	99
76) Fluoranthene	10.70	202	5016	5.808 ug/L	85
77) Pyrene	10.95	202	5874	6.557 ug/L	86

(#) = qualifier out of range (m) = manual integration

006500

Quantitation Report (Not Reviewed)

Data File : H:\DATA\022505_A\AT03674.D
Acq On : 25 Feb 2005 2:04 pm
Sample : 126377-6 &1
Misc :
MS Integration Params: Rteint.p
Quant Time: Feb 25 14:35:02 2005

Vial: 15
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: 8270_022505.RES

Quant Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Fri Feb 25 12:17:02 2005
Response via : Initial Calibration
DataAcq Meth : 8270

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
78)	Benzidine	10.86	184	1552	12.635	ul/l	62
81)	Butylbenzylphthalate	11.74	149	26393	136.140	ug/L	99
83)	3,3'-Dichlorobenzidine	12.25	252	148	28.035	ug/L	80
85)	bis(2-Ethylhexyl)phthalate	12.44	149	120838	235.538	ug/L	98
87)	Di-n-octylphthalate	13.14	149	6366	7.750	ug/L	89
90)	Benzofluoranthenes	13.54	252	8145	9.883	ug/L	99
92)	Indeno(1,2,3-cd)pyrene	15.64	276	264	~~19.661~~	ug/L	60
93)	Dibenz(a,h)anthracene	15.75	278	212	~~12.895~~	ug/L	67

(#) = qualifier out of range (m) = manual integration

00591

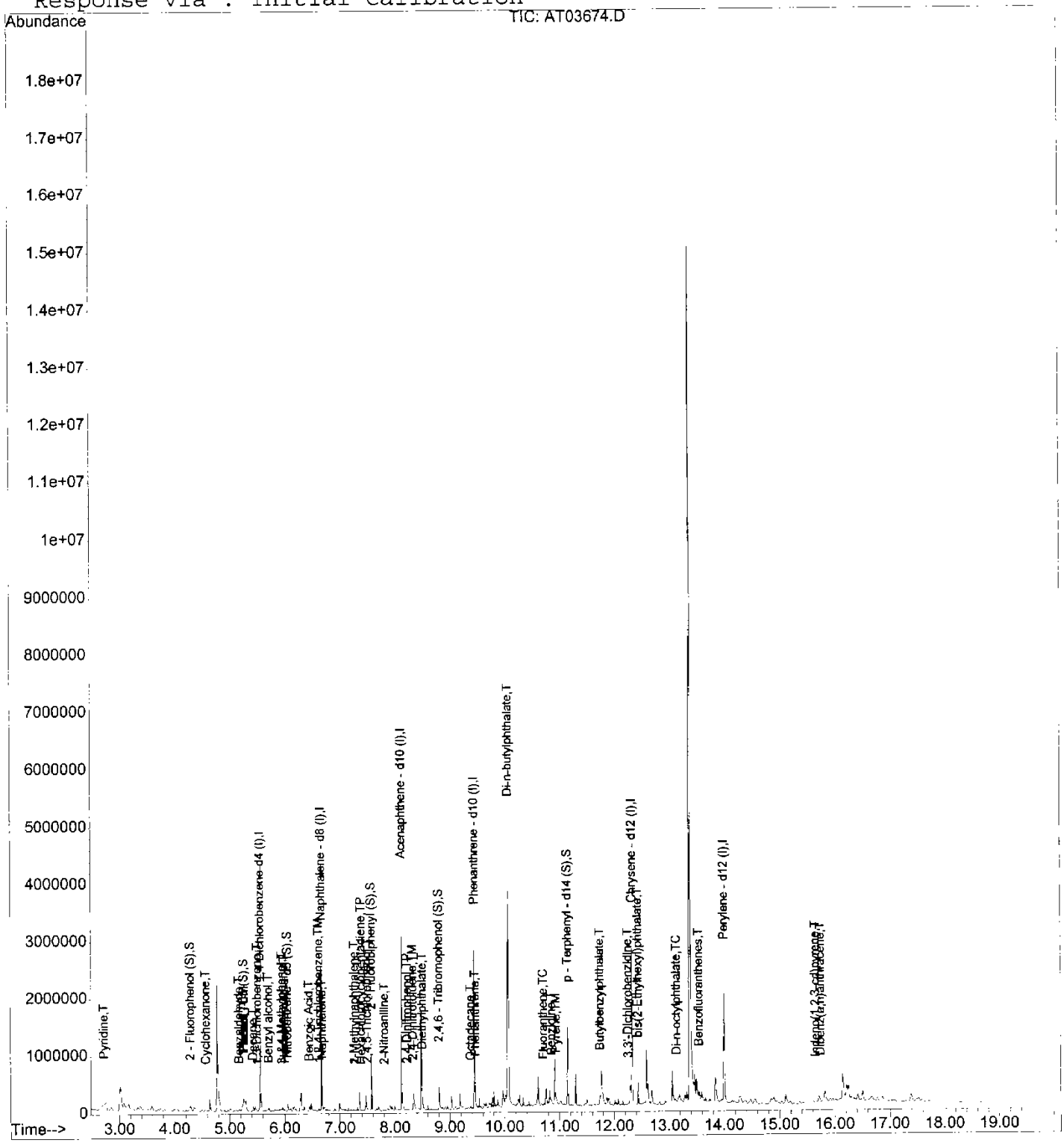
Quantitation Report (Not Reviewed)

Data File : H:\DATA\022505_A\AT03674.D
Acq On : 25 Feb 2005 2:04 pm
Sample : 126377-6 &1
Misc :
MS Integration Params: Rteint.p
Quant Time: Feb 25 14:36 2005

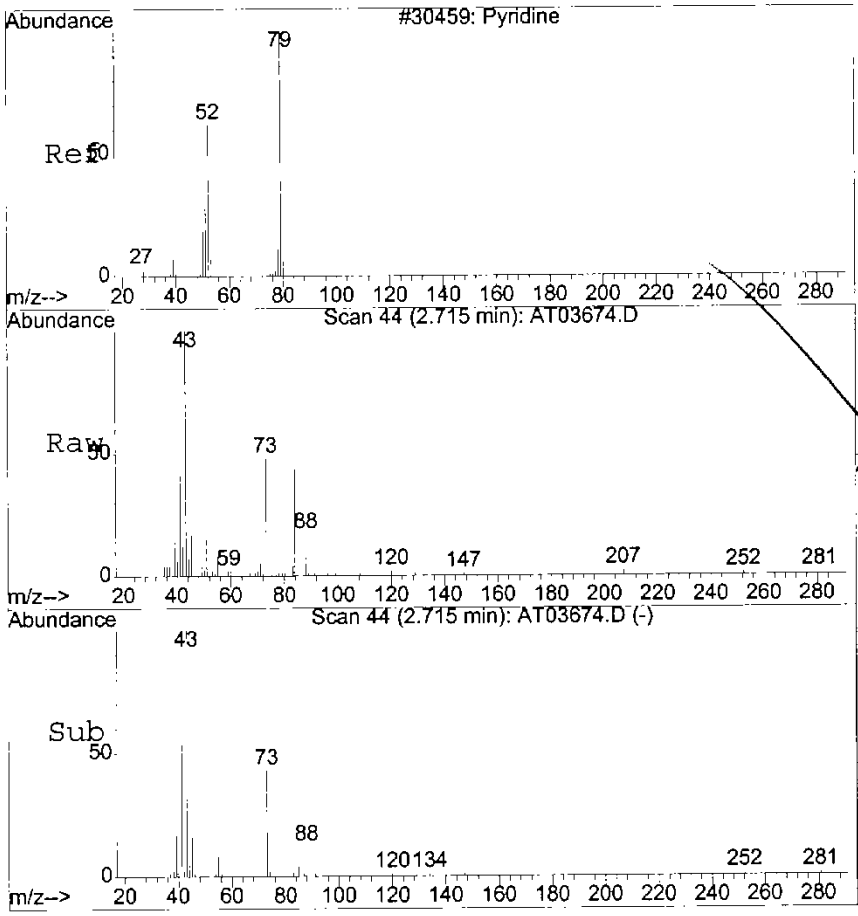
Vial: 15
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00

Quant Results File: 8270_022505.

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Fri Feb 25 12:17:02 2005
Response via : Initial Calibration



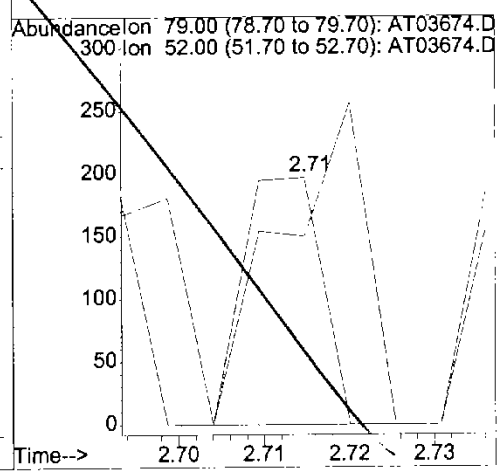
00592

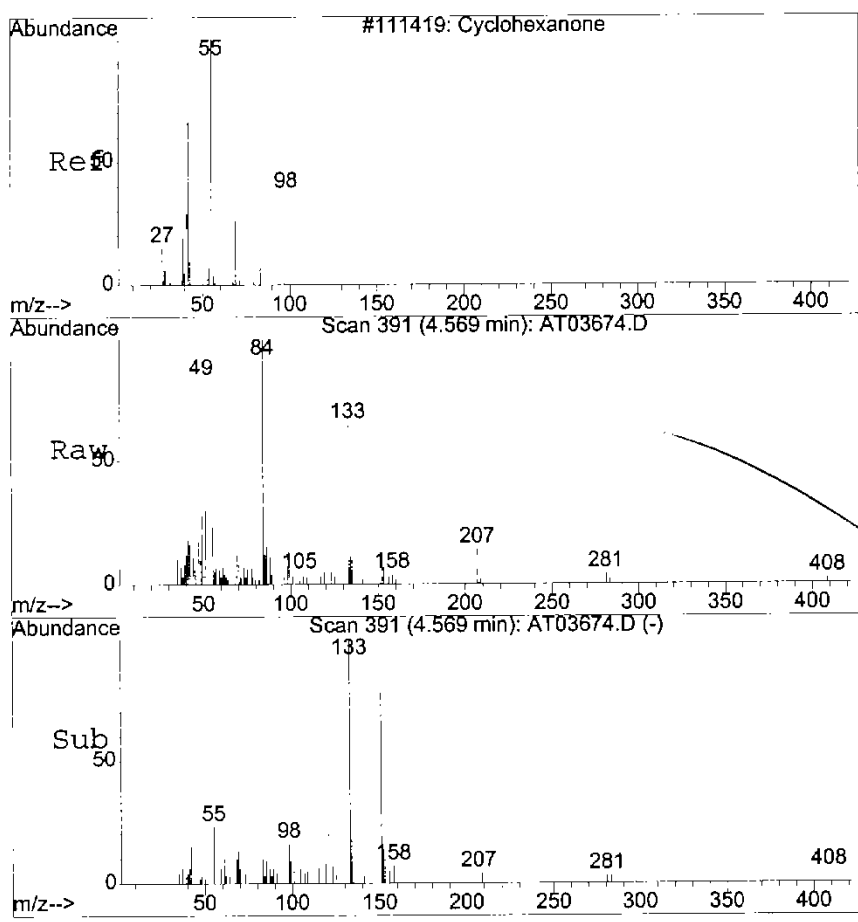


#3
Pyridine
Concen: 180.10 ug/L
RT: 2.71 min Scan# 44
Delta R.T. 0.10 min
Lab File: AT03674.D
Acq: 25 Feb 2005 2:04 pm

Tgt Ion: 79 Resp: 126

Ion	Ratio	Lower	Upper
79	100		
52	76.1	29.7	89.7

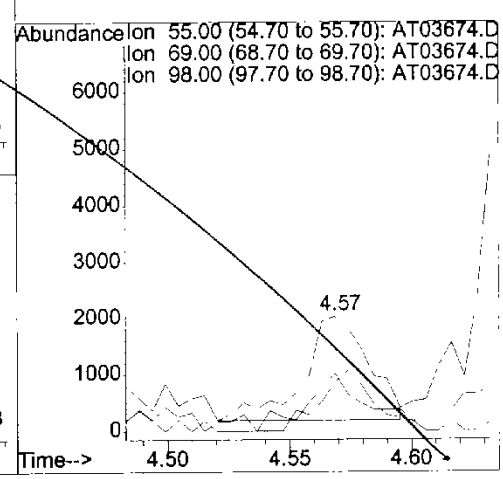




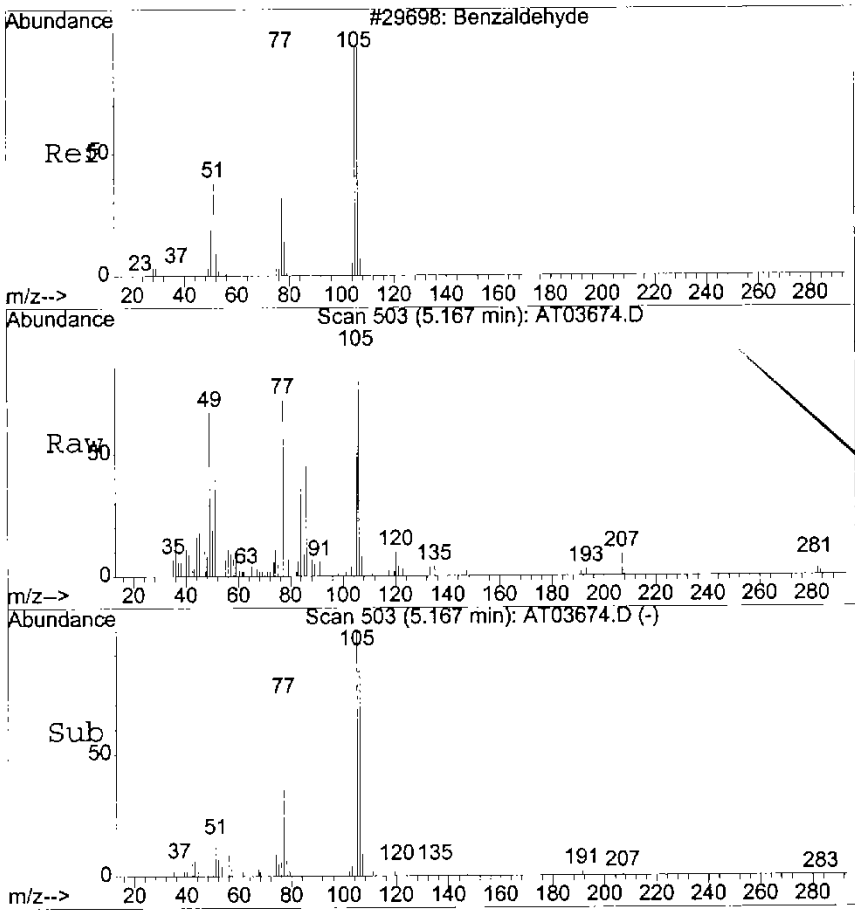
#5
Cyclohexanone
Concen: 18.41 ul/L
RT: 4.57 min Scan# 391
Delta R.T. -0.01 min
Lab File: AT03674.D
Acq: 25 Feb 2005 2:04 pm

Tgt Ion: 55 Resp: 3440

Ion	Ratio	Lower	Upper
55	100		
69	43.0	4.6	64.6
98	42.4	24.8	84.8



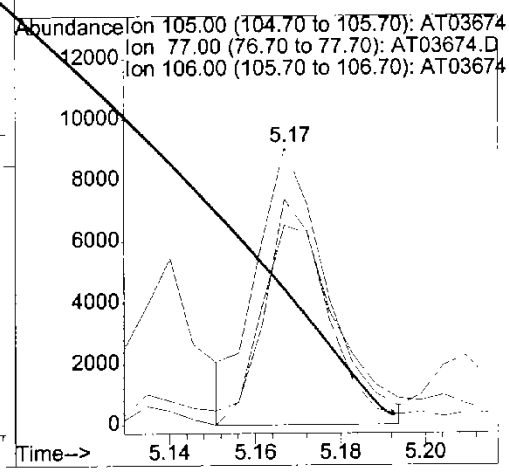
00593

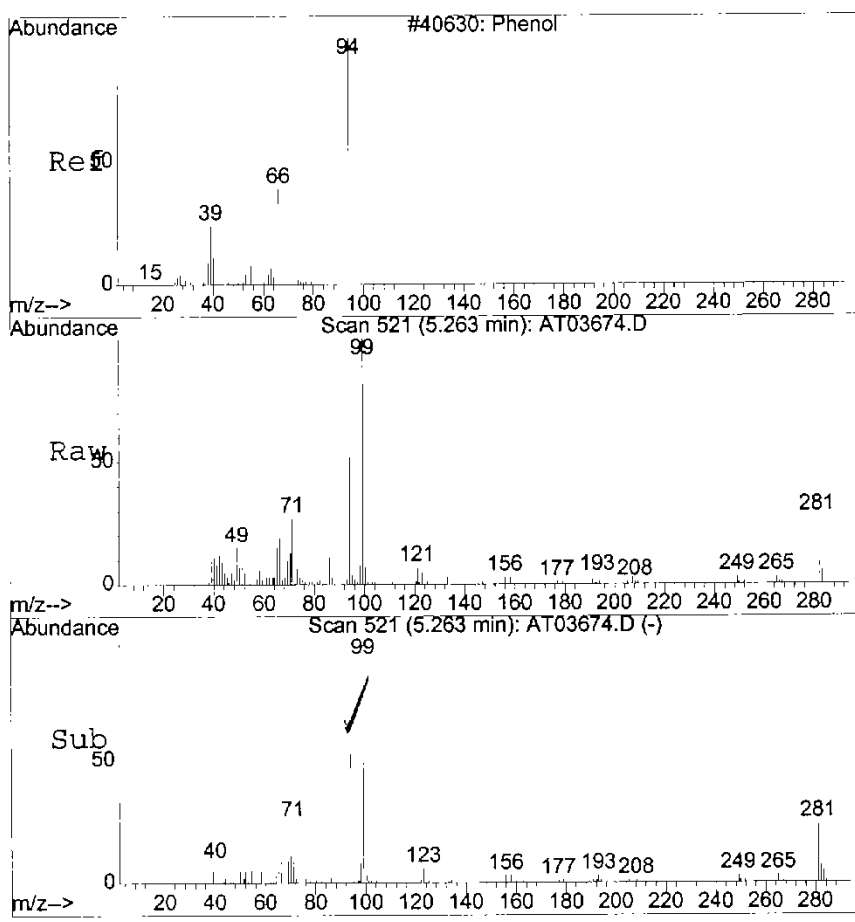


#6
Benzaldehyde
Concen: 48.01 ul/L
RT: 5.17 min Scan# 503
Delta R.T. -0.01 min
Lab File: AT03674.D
Acq: 25 Feb 2005 2:04 pm

Tgt Ion:105 Resp: 10353

Ion	Ratio	Lower	Upper
105	100		
77	81.5	63.9	123.9
106	77.2	72.0	132.0

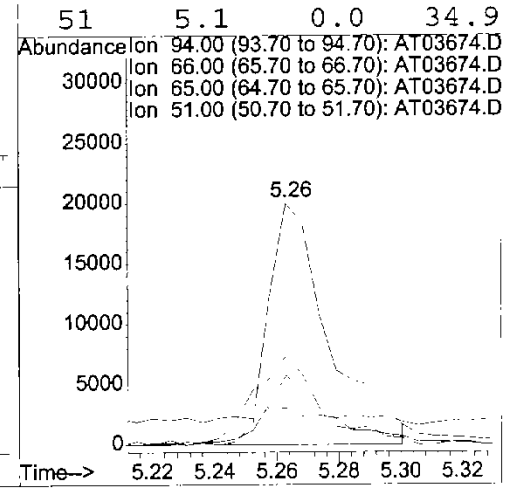




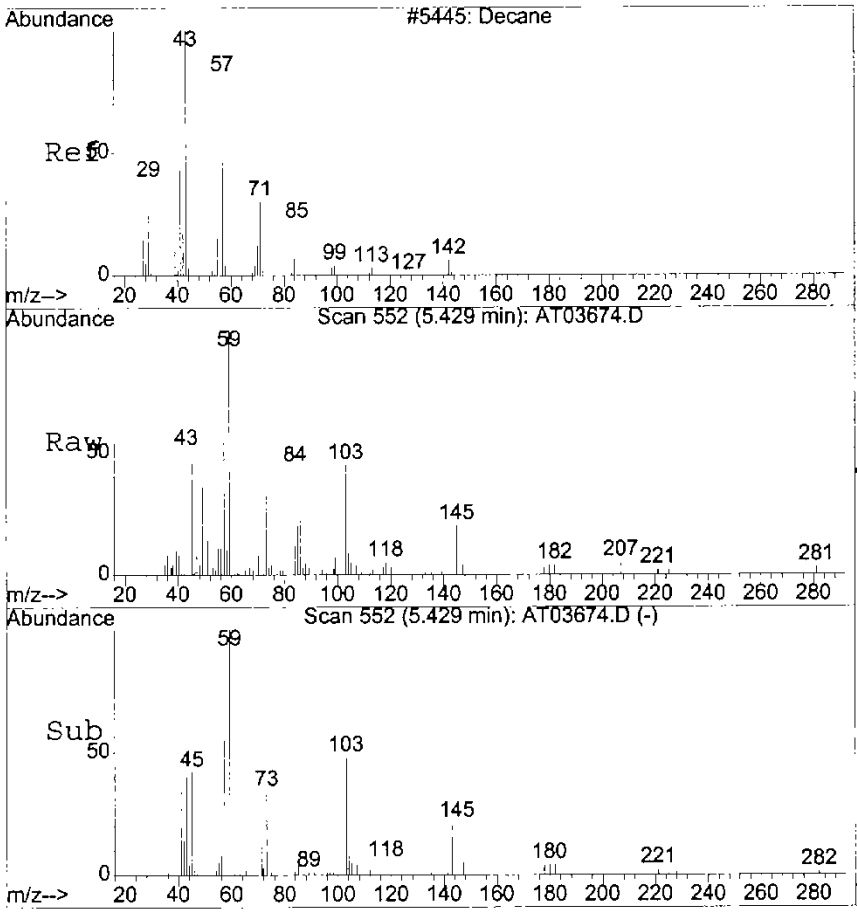
#9
Phenol
Concen: 95.24 ug/L
RT: 5.26 min Scan# 521
Delta R.T. -0.01 min
Lab File: AT03674.D
Acq: 25 Feb 2005 2:04 pm

Tgt Ion: 94 Resp: 27254

Ion	Ratio	Lower	Upper
94	100		
66	34.7	14.1	74.1
65	28.0	1.3	61.3
51	5.1	0.0	34.9



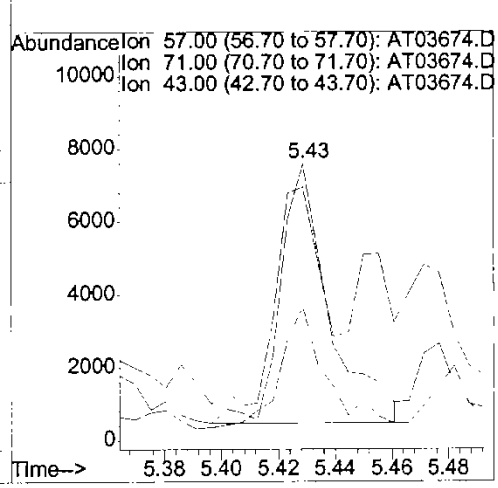
00594

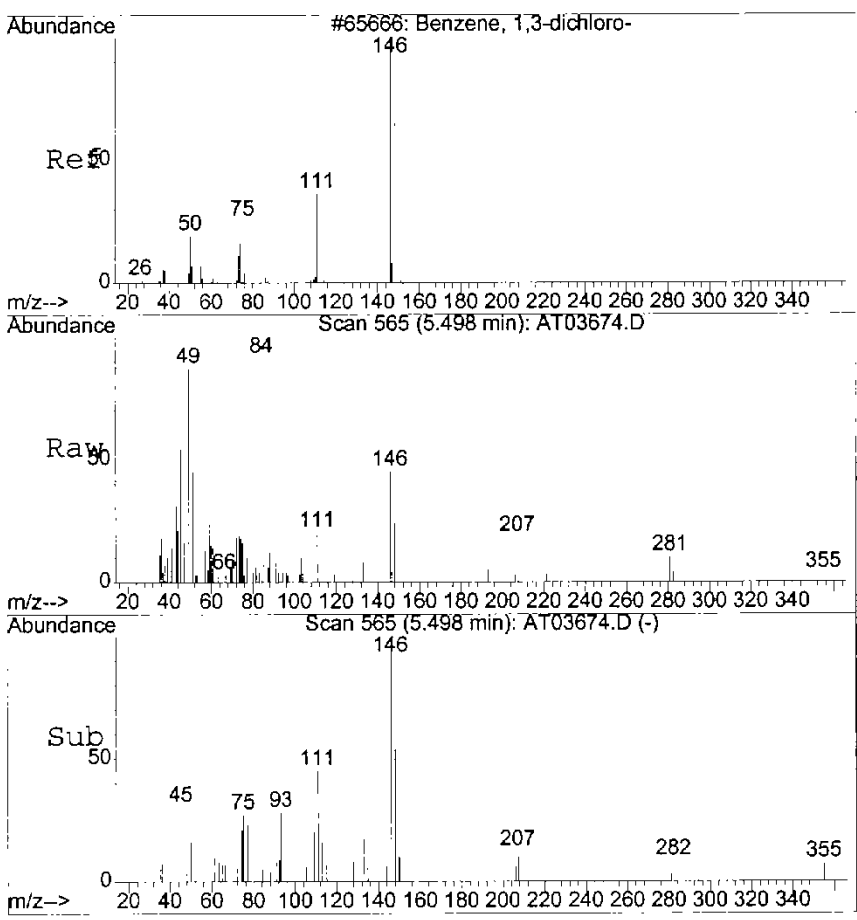


#12
Decane
Concen: 29.34 ul/L
RT: 5.43 min Scan# 552
Delta R.T. -0.00 min
Lab File: AT03674.D
Acq: 25 Feb 2005 2:04 pm

Tgt Ion: 57 Resp: 8500

Ion	Ratio	Lower	Upper
57	100		
71	44.3	13.9	73.9
43	75.8	48.7	108.7

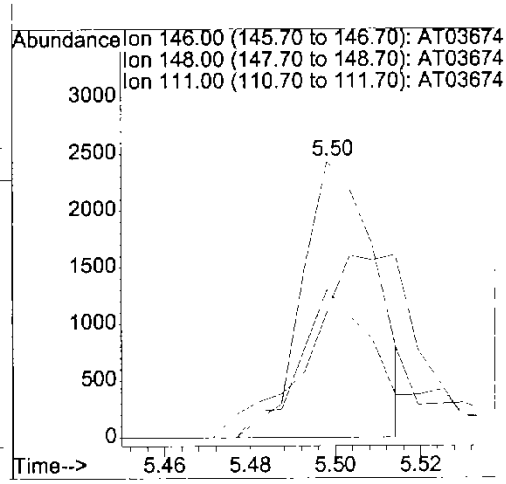




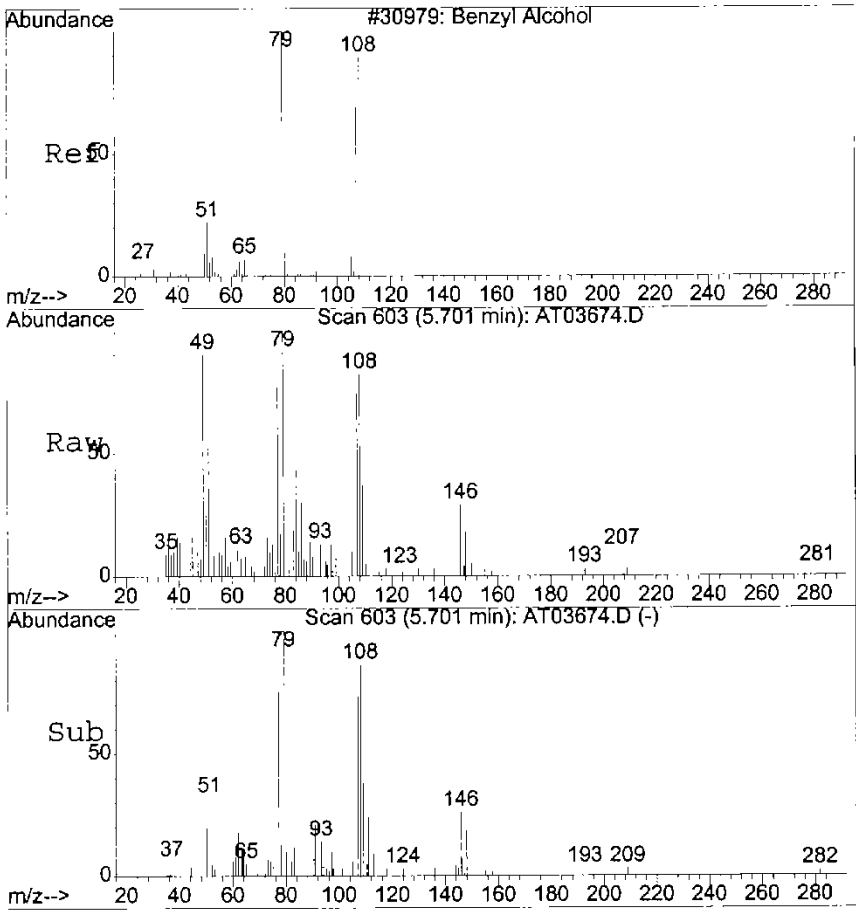
#13
1,3-Dichlorobenzene
Concen: 8.73 ug/L
RT: 5.50 min Scan# 565
Delta R.T. -0.01 min
Lab File: AT03674.D
Acq: 25 Feb 2005 2:04 pm

Tgt Ion:146 Resp: 2899

Ion	Ratio	Lower	Upper
146	100		
148	55.0	35.2	95.2
111	14.7	7.4	67.4



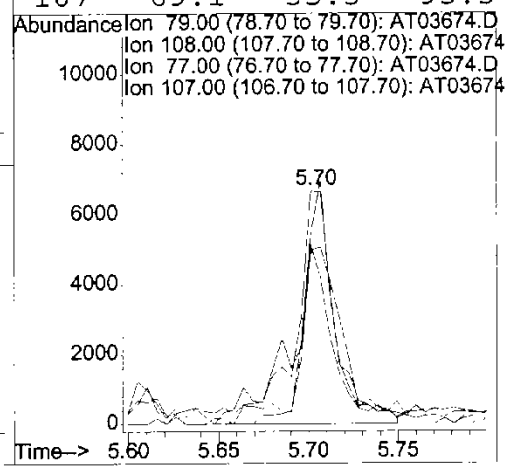
00595

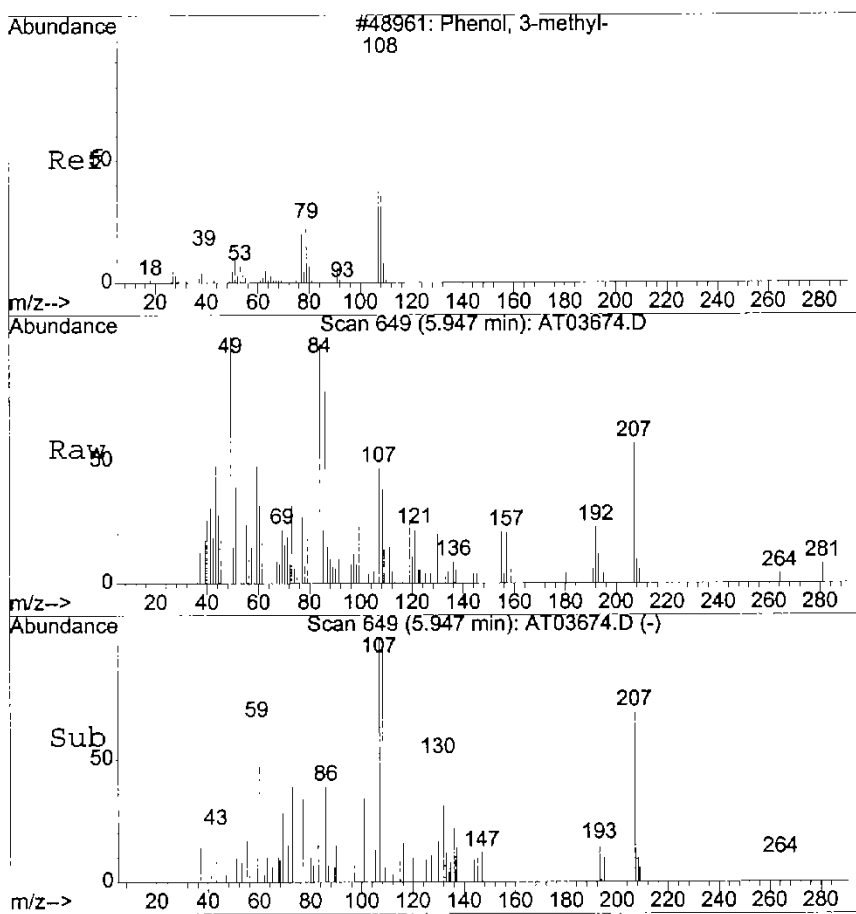


#15
Benzyl alcohol
Concen: 81.79 ug/L
RT: 5.70 min Scan# 603
Delta R.T. 0.00 min
Lab File: AT03674.D
Acq: 25 Feb 2005 2:04 pm

Tgt Ion: 79 Resp: 10550

Ion	Ratio	Lower	Upper
79	100		
108	80.3	62.2	122.2
77	73.6	29.8	89.8
107	69.1	35.5	95.5

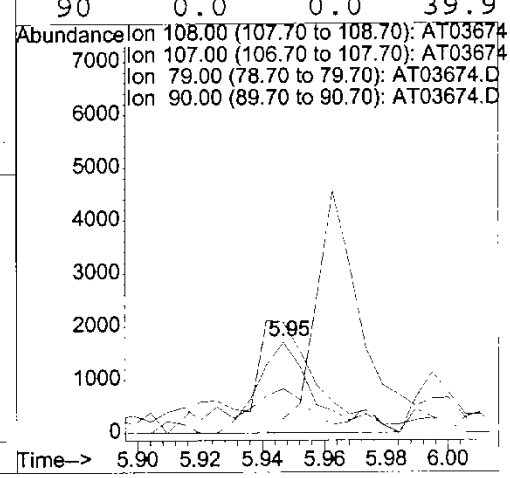




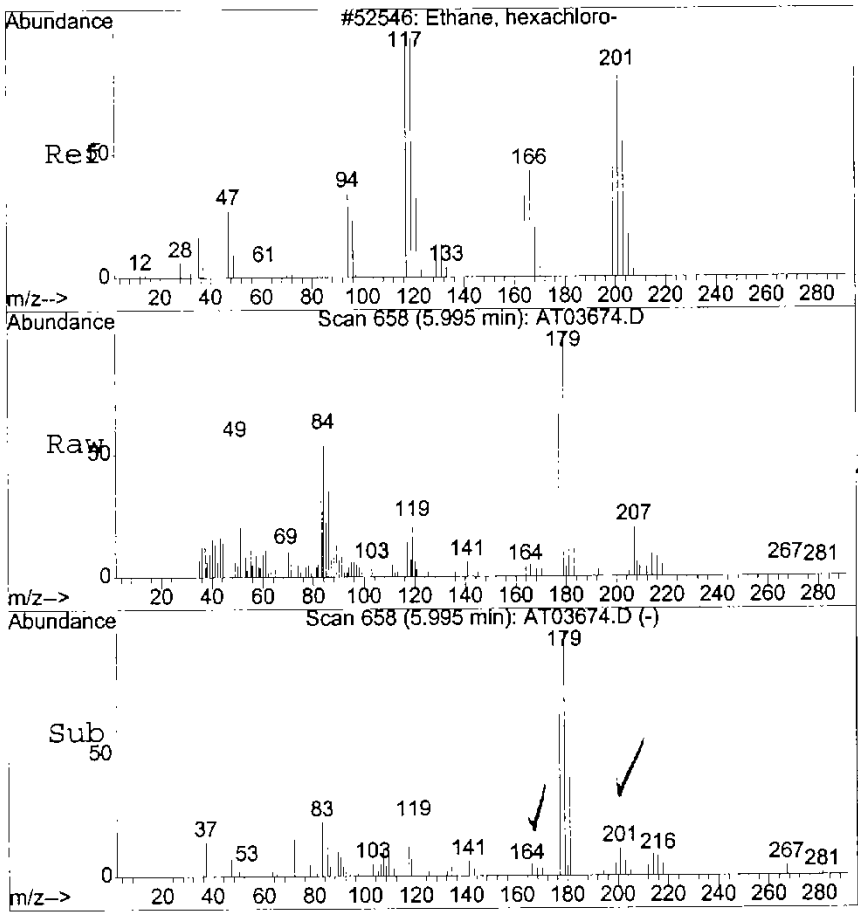
#19
3-&4-Methylphenol
Concen: 35.13 ug/L
RT: 5.95 min Scan# 649
Delta R.T. 0.01 min
Lab File: AT03674.D
Acq: 25 Feb 2005 2:04 pm

Tgt Ion:108 Resp: 2166

Ion	Ratio	Lower	Upper
108	100		
107	104.3	75.6	135.6
79	29.4	0.0	55.6
90	0.0	0.0	39.9



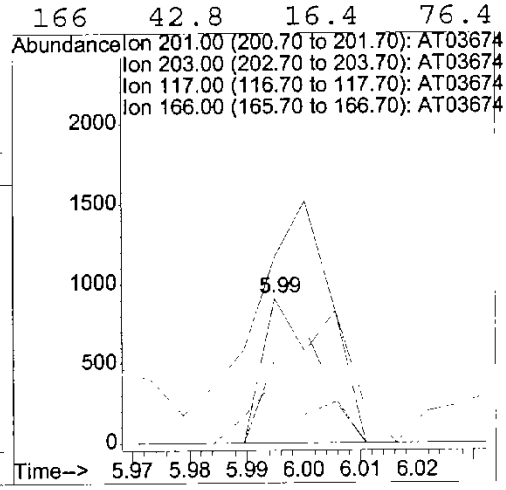
00596

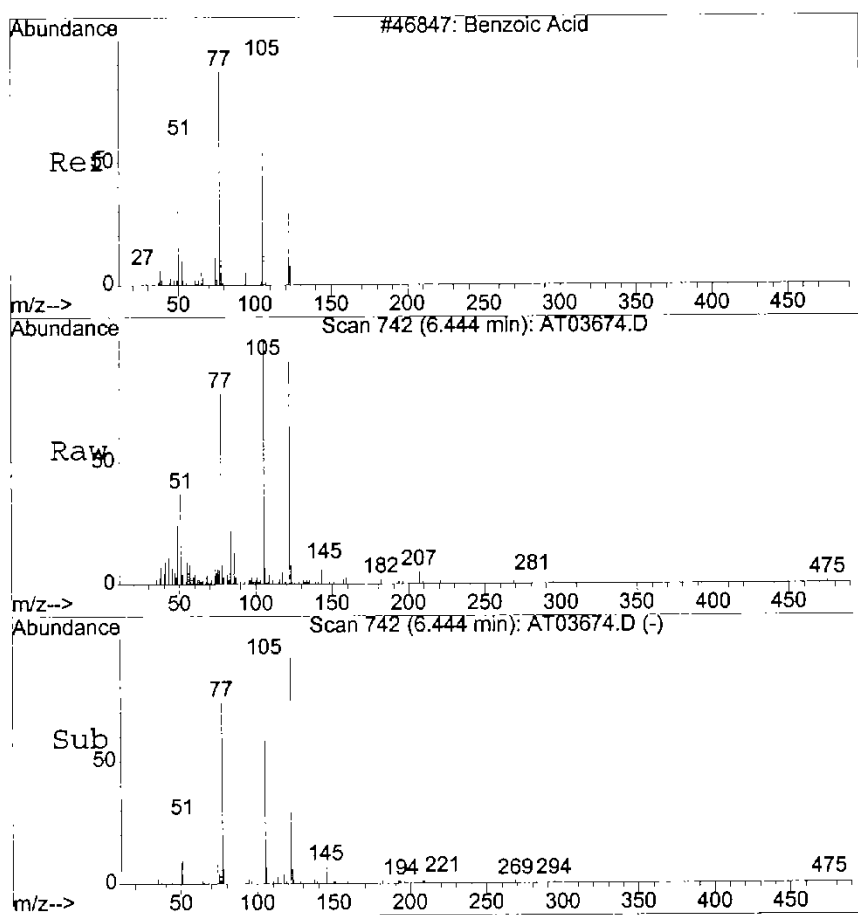


#22
Hexachloroethane
Concen: 5.60 ug/L
RT: 5.99 min Scan# 658
Delta R.T. 0.00 min
Lab File: AT03674.D
Acq: 25 Feb 2005 2:04 pm

Tgt Ion:201 Resp: 741

Ion	Ratio	Lower	Upper
201	100		
203	57.8	34.0	94.0
117	109.1	74.2	134.2
166	42.8	16.4	76.4

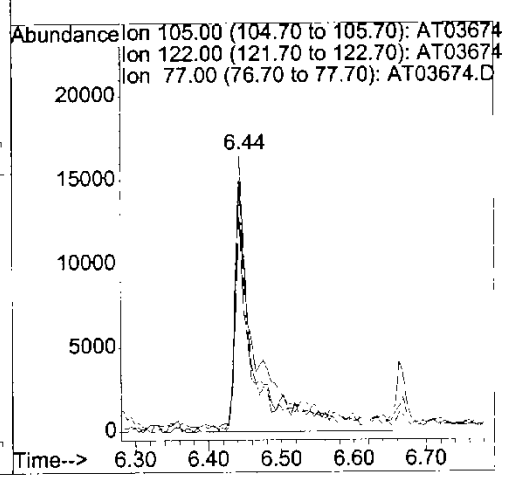


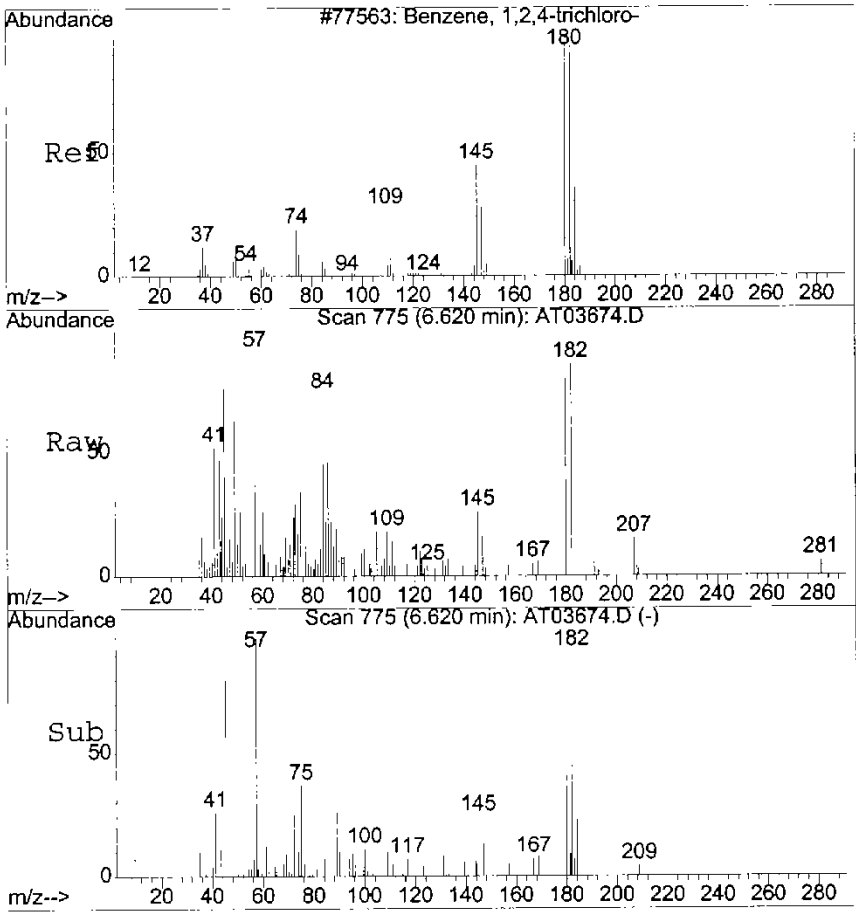


#30
Benzoic Acid
Concen: 626.68 ug/L
RT: 6.44 min Scan# 742
Delta R.T. -0.06 min
Lab File: AT03674.D
Acq: 25 Feb 2005 2:04 pm

Tgt Ion:105 Resp: 35330

Ion	Ratio	Lower	Upper
105	100		
122	91.3	58.0	118.0
77	74.7	34.2	94.2

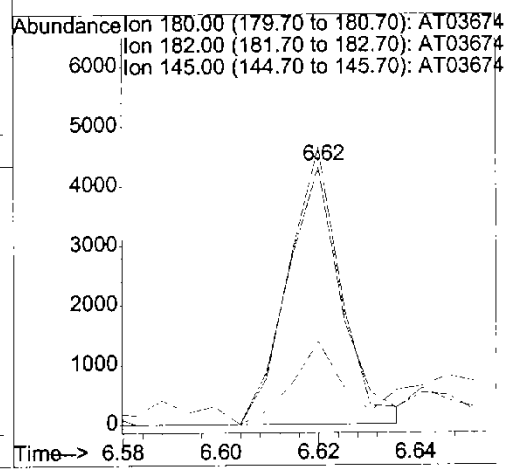


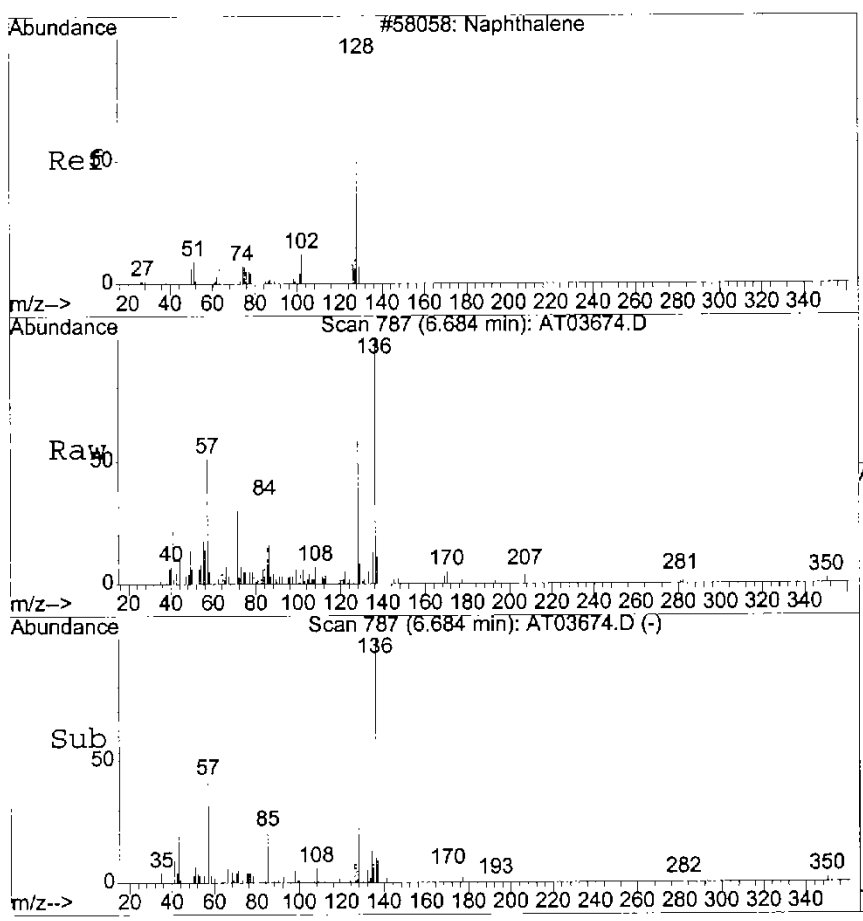


#32
1,2,4-Trichlorobenzene
Concen: 11.73 ug/L
RT: 6.62 min Scan# 775
Delta R.T. -0.00 min
Lab File: AT03674.D
Acq: 25 Feb 2005 2:04 pm

Tgt Ion:180 Resp: 3387

Ion	Ratio	Lower	Upper
180	100		
182	107.6	67.2	127.2
145	22.8	0.0	57.2

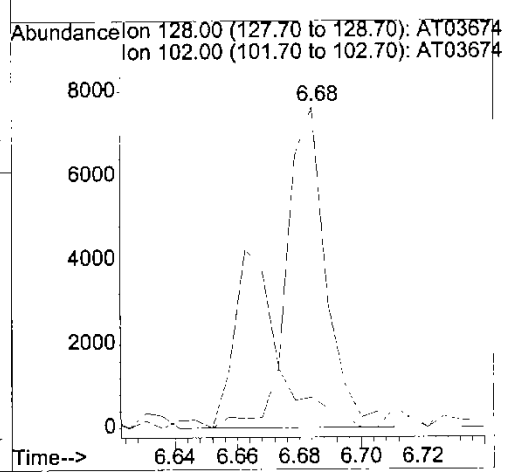


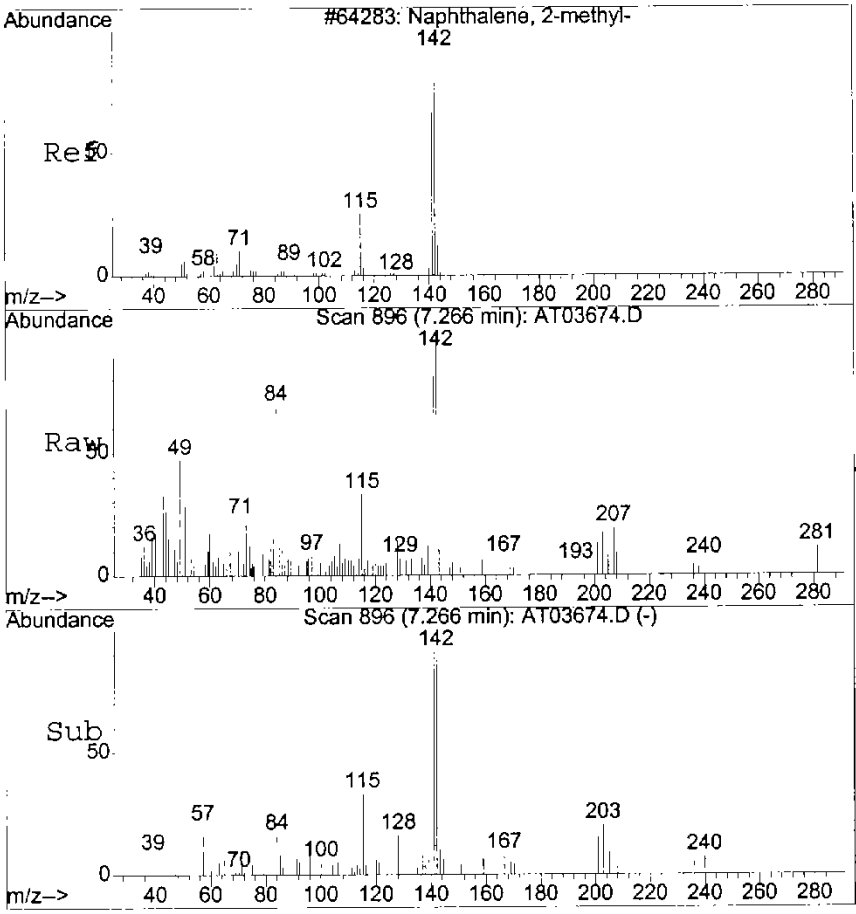


#33
Naphthalene
Concen: 7.68 ug/L
RT: 6.68 min Scan# 787
Delta R.T. 0.00 min
Lab File: AT03674.D
Acq: 25 Feb 2005 2:04 pm

Tgt Ion:128 Resp: 6691

Ion	Ratio	Lower	Upper
128	100		
102	6.3	0.0	37.8

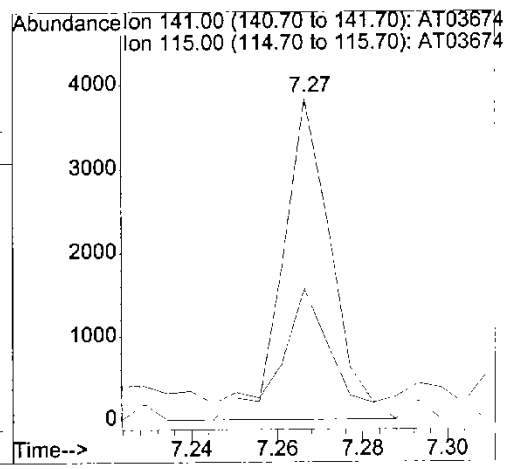


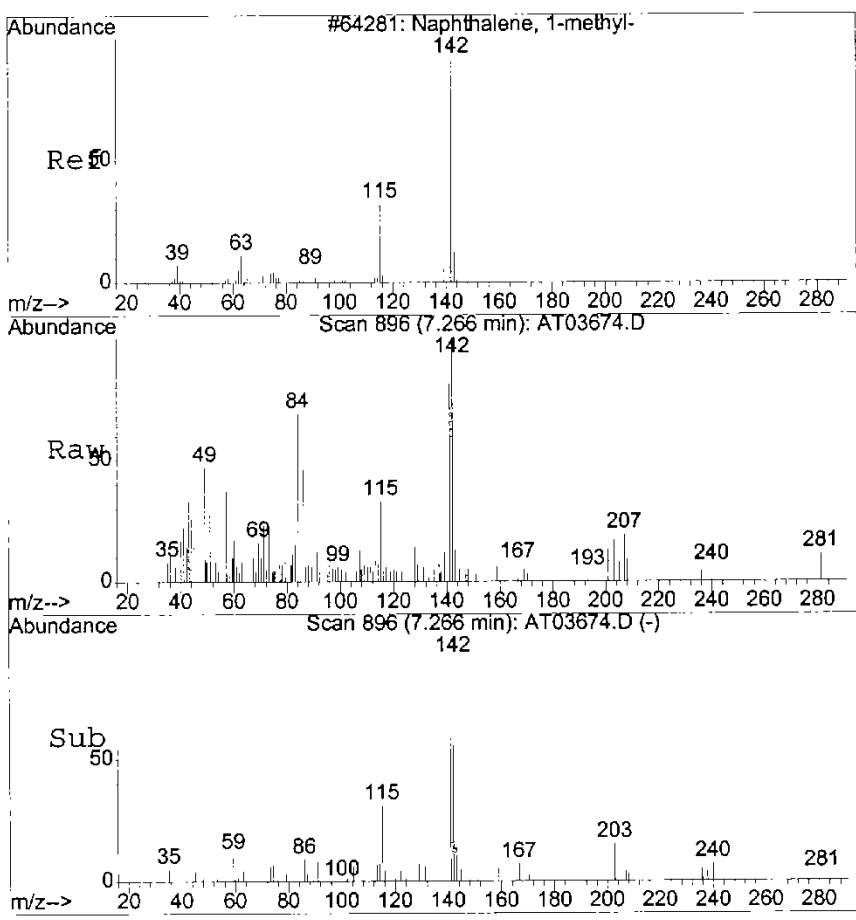


#37
2-Methylnaphthalene
Concen: 6.51 ug/L
RT: 7.27 min Scan# 896
Delta R.T. 0.01 min
Lab File: AT03674.D
Acq: 25 Feb 2005 2:04 pm

Tgt Ion:141 Resp: 3005

Ion	Ratio	Lower	Upper
141	100		
115	35.0	2.2	62.2

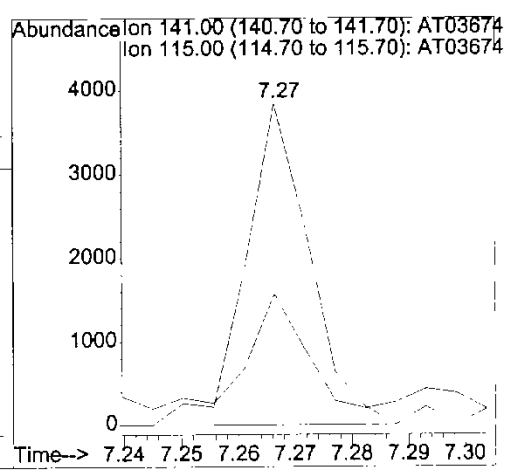


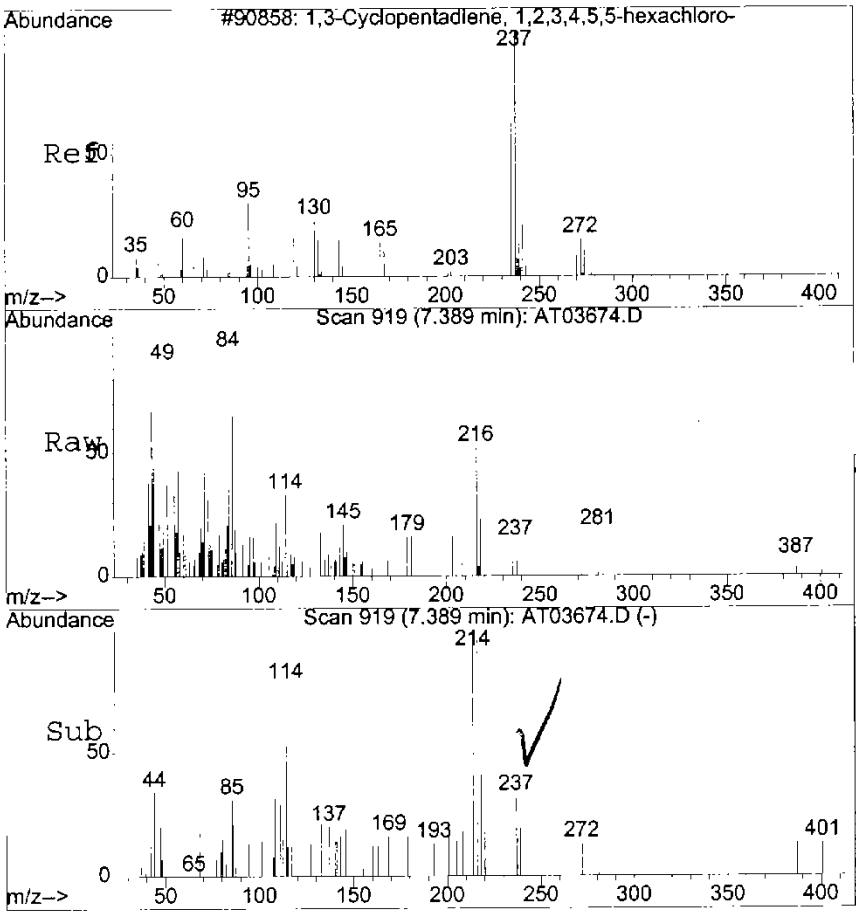


#38
1-Methylnaphthalene
Concen: 5.93 ul/l
RT: 7.27 min Scan# 896
Delta R.T. -0.08 min
Lab File: AT03674.D
Acq: 25 Feb 2005 2:04 pm

Tgt Ion:141 Resp: 2852

Ion	Ratio	Lower	Upper
141	100		
115	35.1	2.6	62.6

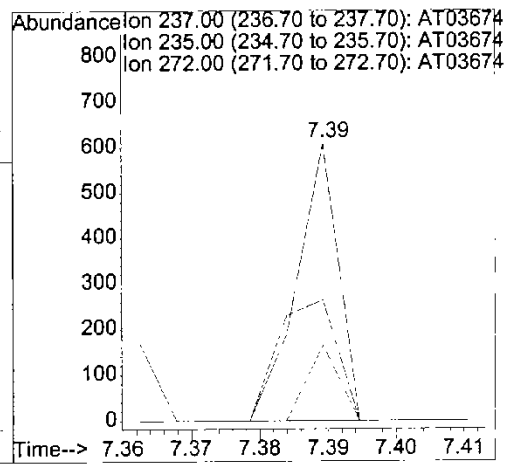


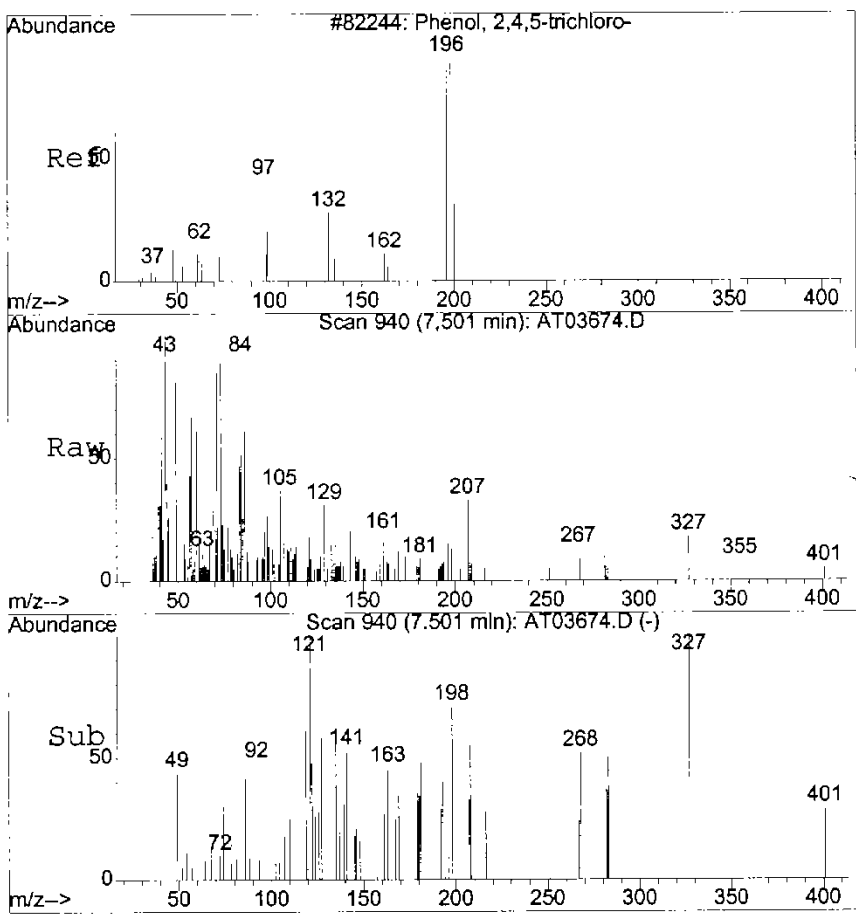


#40
Hexachlorocyclopentadiene
Concen: 30.11 ug/L
RT: 7.39 min Scan# 919
Delta R.T. -0.02 min
Lab File: AT03674.D
Acq: 25 Feb 2005 2:04 pm

Tgt Ion:237 Resp: 255

Ion	Ratio	Lower	Upper
237	100		
235	43.3	32.2	92.2
272	27.0	0.0	44.7

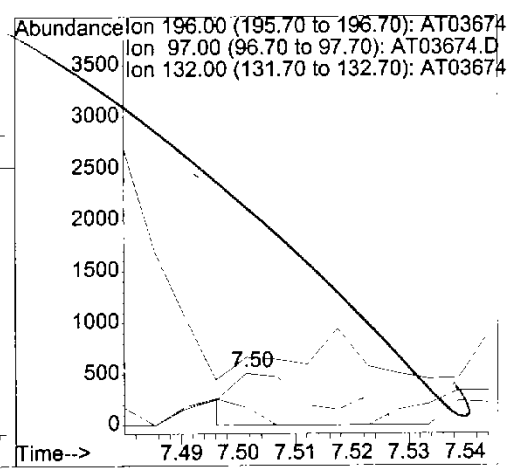


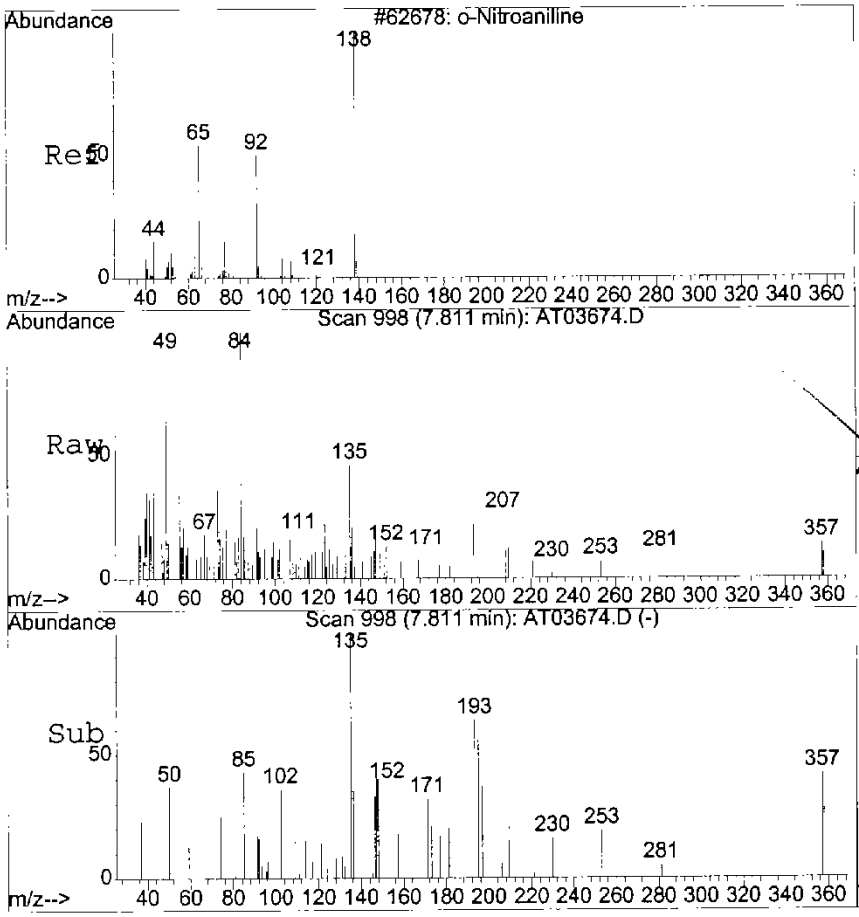


#43
2,4,5-Trichlorophenol
Concen: 35.79 ug/L
RT: 7.50 min Scan# 940
Delta R.T. -0.04 min
Lab File: AT03674.D
Acq: 25 Feb 2005 2:04 pm

Tgt Ion:196 Resp: 519

Ion	Ratio	Lower	Upper
196	100		
97	48.4	13.5	73.5
132	0.0	0.0	57.5

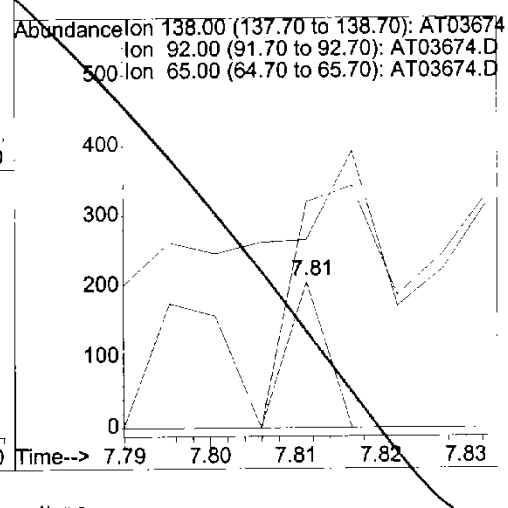


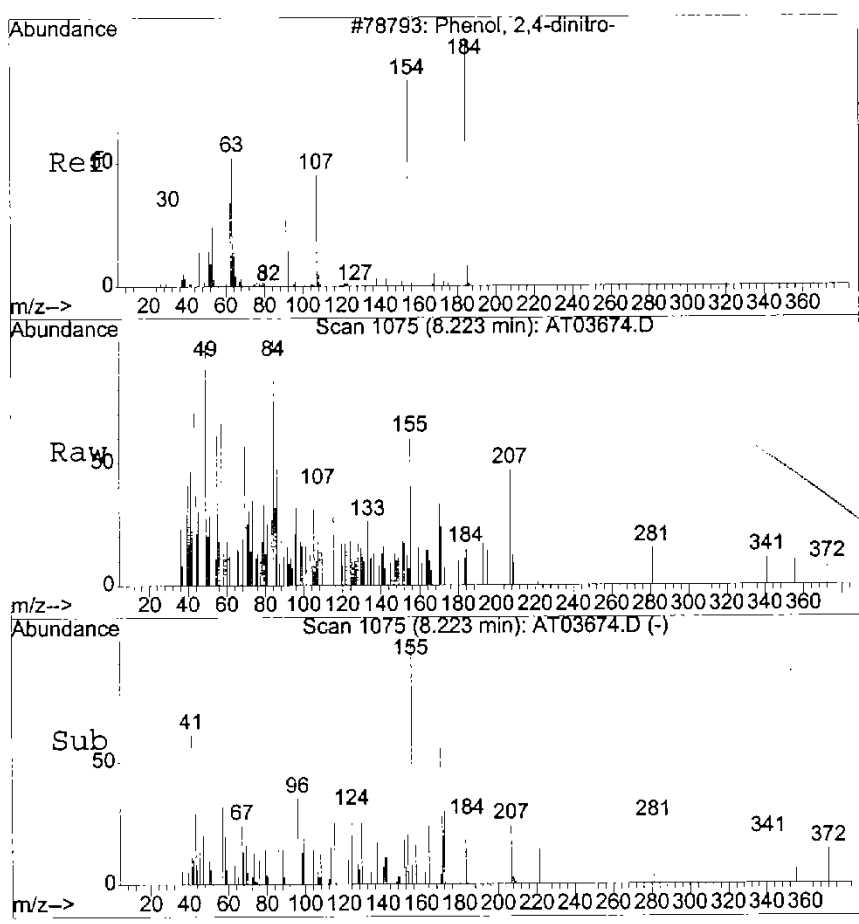


#47
2-Nitroaniline
Concen: 21.84 ug/L
RT: 7.81 min Scan# 998
Delta R.T. 0.05 min
Lab File: AT03674.D
Acq: 25 Feb 2005 2:04 pm

Tgt Ion:138 Resp: 66

Ion	Ratio	Lower	Upper
138	100		
92	71.6	17.9	77.9
65	27.7	27.4	87.4

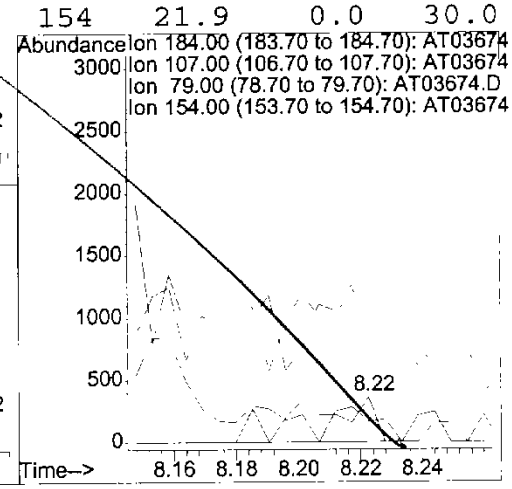


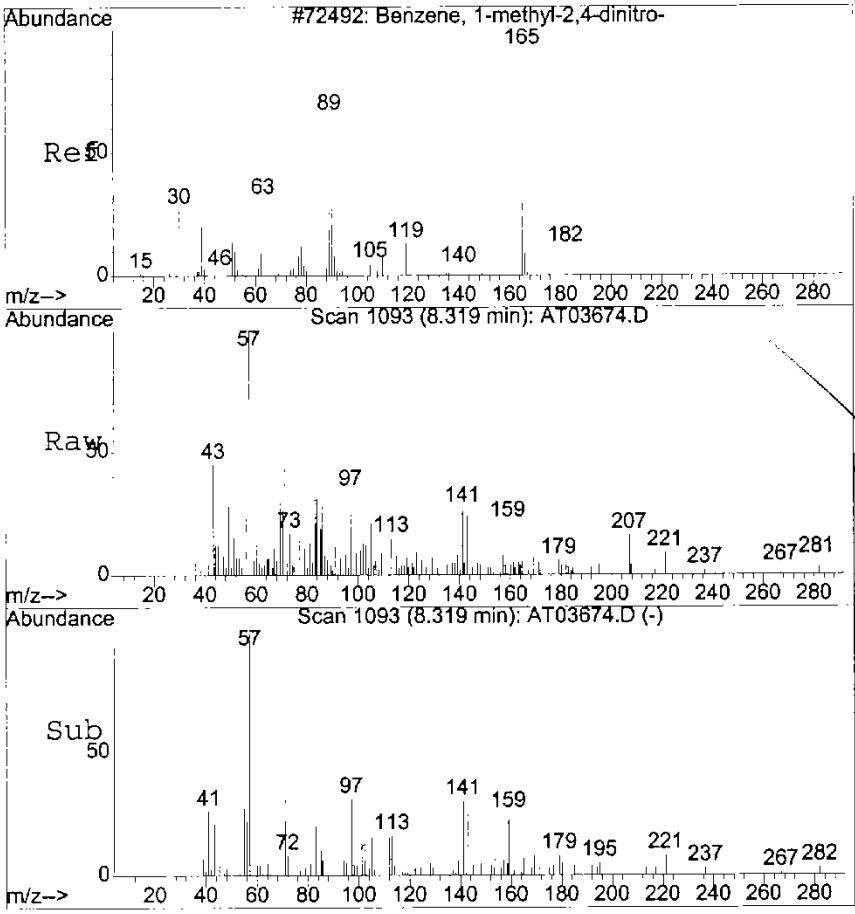


#53
2,4-Dinitrophenol
Concen: 352.20 ug/L
RT: 8.22 min Scan# 1075
Delta R.T. 0.03 min
Lab File: AT03674.D
Acq: 25 Feb 2005 2:04 pm

Tgt Ion:184 Resp: 564

Ion	Ratio	Lower	Upper
184	100		
107	11.1	0.0	58.6
79	0.0	0.0	48.2
154	21.9	0.0	30.0

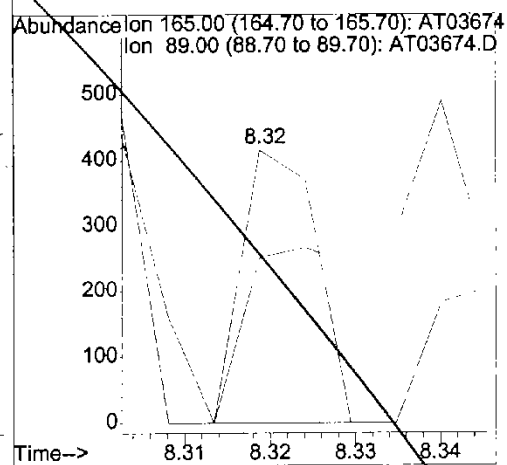


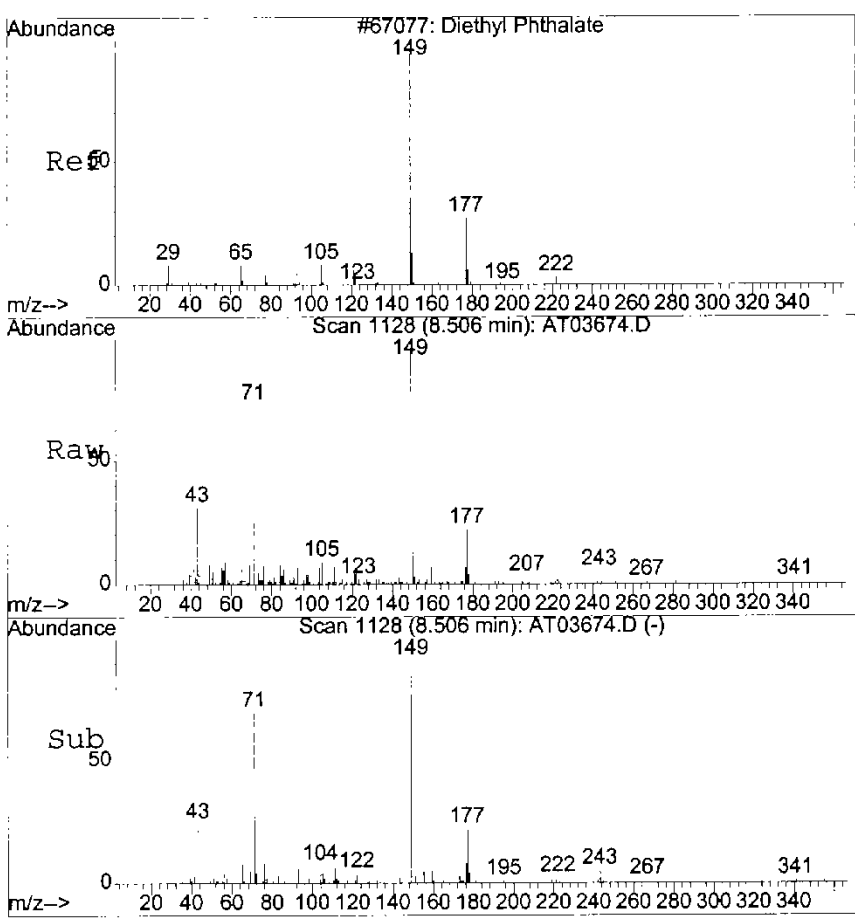


#56
2,4-Dinitrotoluene
Concen: 32.61 ug/L
RT: 8.32 min Scan# 1093
Delta R.T. 0.02 min
Lab File: AT03674.D
Acq: 25 Feb 2005 2:04 pm

Tgt Ion:165 Resp: 252

Ion	Ratio	Lower	Upper
165	100		
89	25.5	22.1	82.1

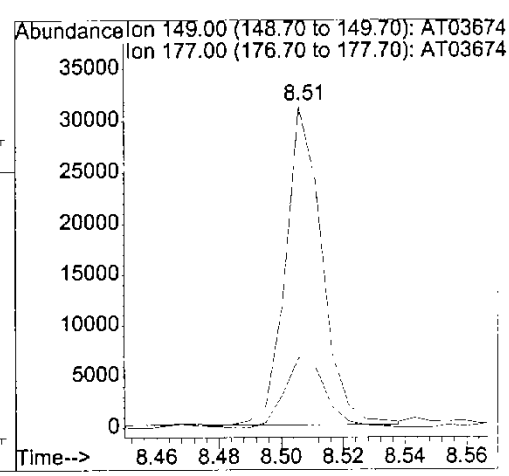


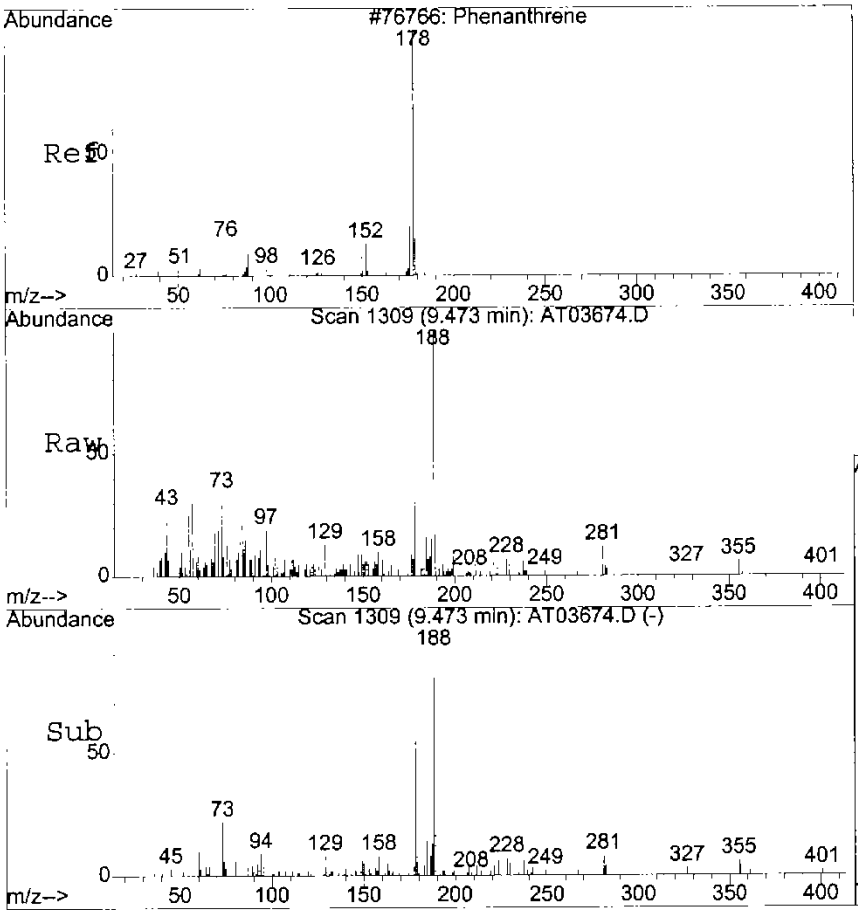


#59
Diethylphthalate
Concen: 42.42 ug/L
RT: 8.51 min Scan# 1128
Delta R.T. -0.00 min
Lab File: AT03674.D
Acq: 25 Feb 2005 2:04 pm

Tgt Ion:149 Resp: 25365

Ion	Ratio	Lower	Upper
149	100		
177	21.9	0.0	53.1

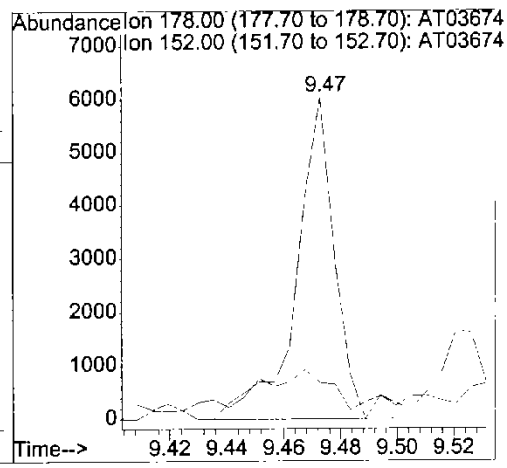


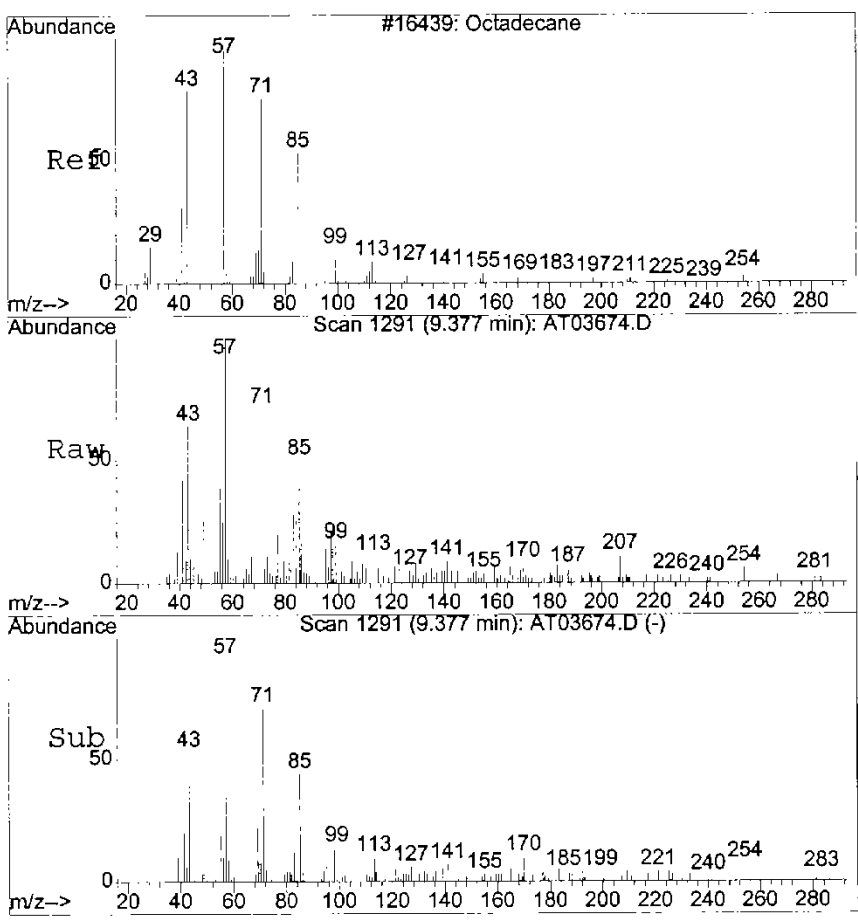


#71
Phenanthrene
Concen: 6.90 ug/L
RT: 9.47 min Scan# 1309
Delta R.T. 0.00 min
Lab File: AT03674.D
Acq: 25 Feb 2005 2:04 pm

Tgt Ion:178 Resp: 5838

Ion	Ratio	Lower	Upper
178	100		
152	6.4	0.0	39.1

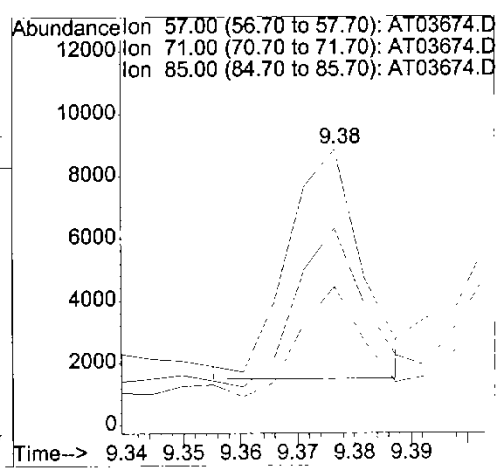


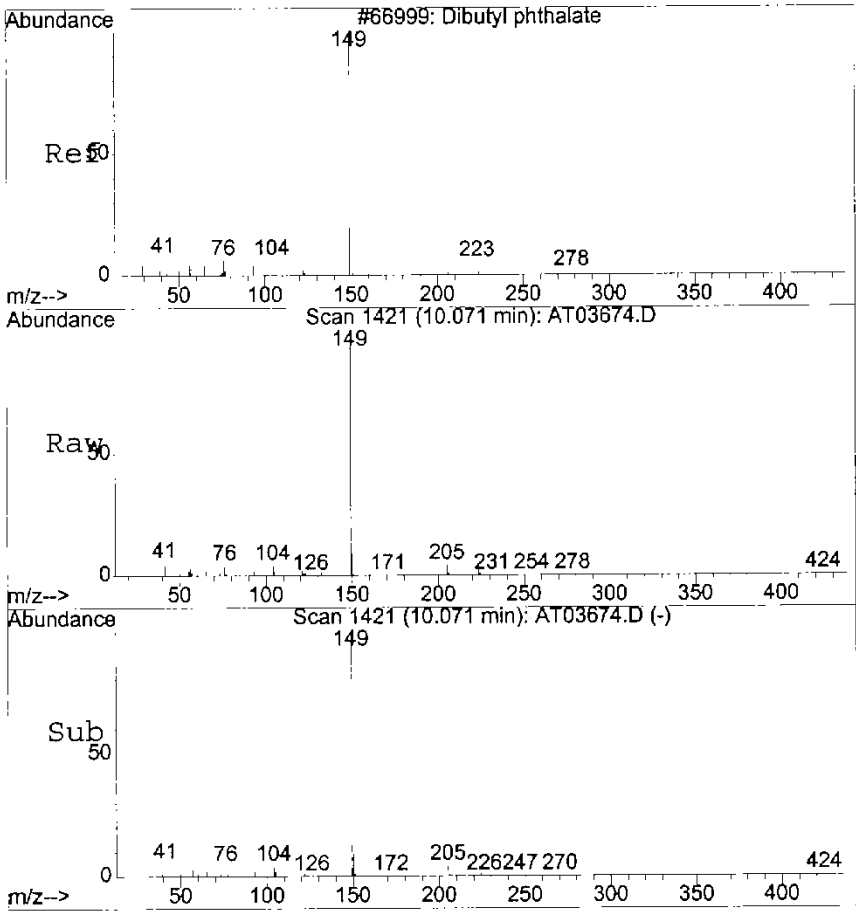


#73
Octadecane
Concen: 26.97 ul/L
RT: 9.38 min Scan# 1291
Delta R.T. 0.00 min
Lab File: AT03674.D
Acq: 25 Feb 2005 2:04 pm

Tgt Ion: 57 Resp: 6623

Ion	Ratio	Lower	Upper
57	100		
71	68.0	52.7	97.9
85	46.2	37.5	69.7

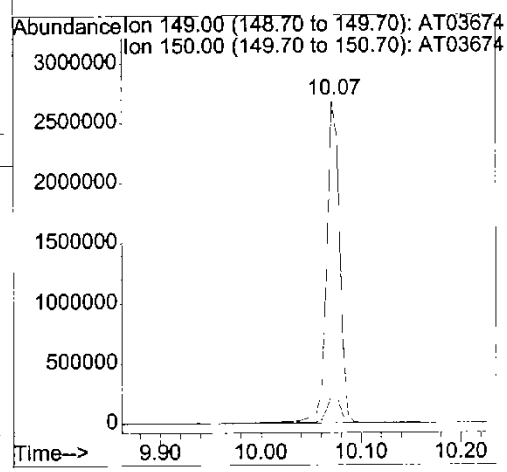


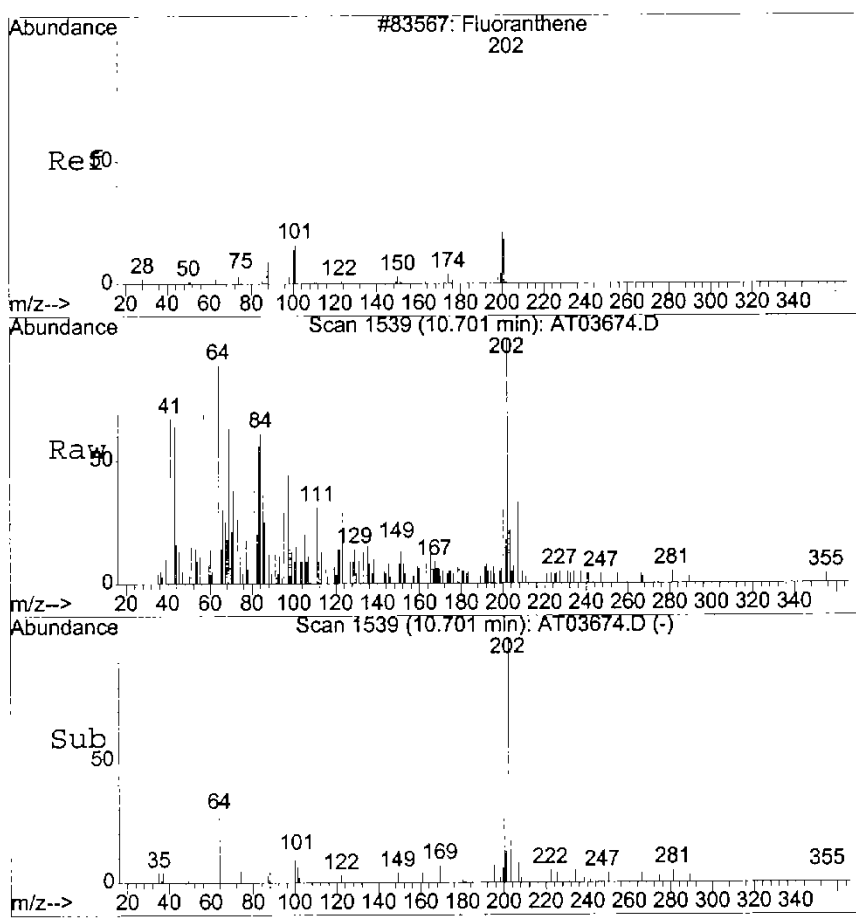


#75
Di-n-butylphthalate
Concen: 2669.77 ug/L
RT: 10.07 min Scan# 1421
Delta R.T. -0.00 min
Lab File: AT03674.D
Acq: 25 Feb 2005 2:04 pm

Tgt Ion:149 Resp: 2428580

Ion	Ratio	Lower	Upper
149	100		
150	9.3	0.0	39.0

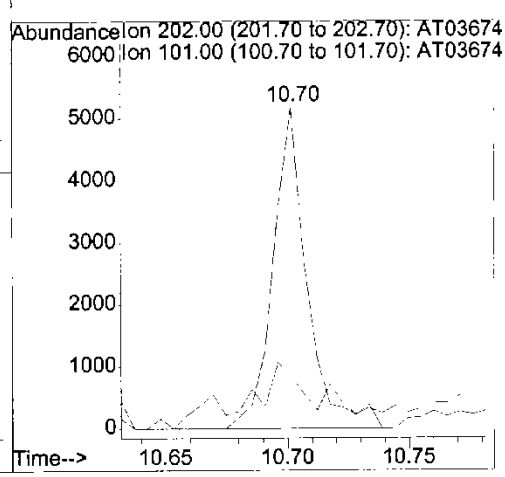


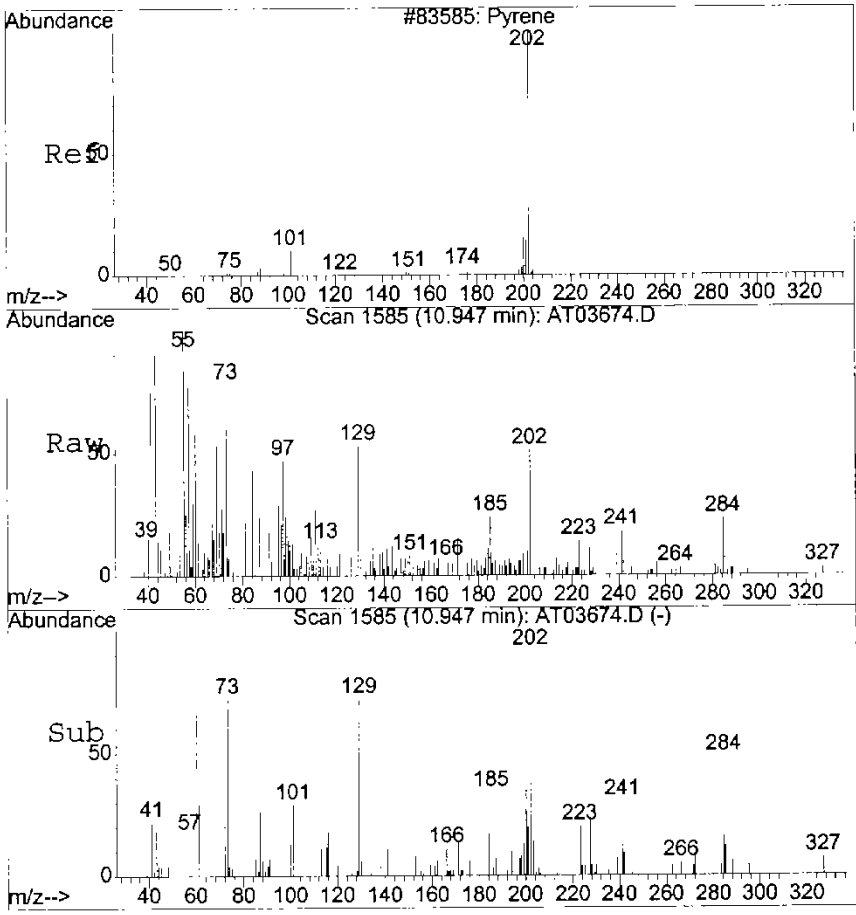


#76
Fluoranthene
Concen: 5.81 ug/L
RT: 10.70 min Scan# 1539
Delta R.T. 0.00 min
Lab File: AT03674.D
Acq: 25 Feb 2005 2:04 pm

Tgt Ion:202 Resp: 5016

Ion	Ratio	Lower	Upper
202	100		
101	7.5	0.0	43.7

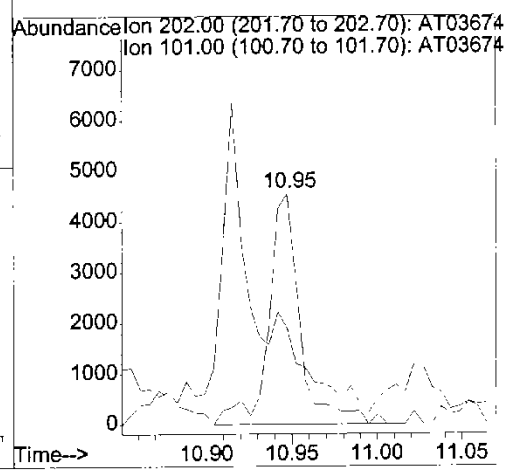


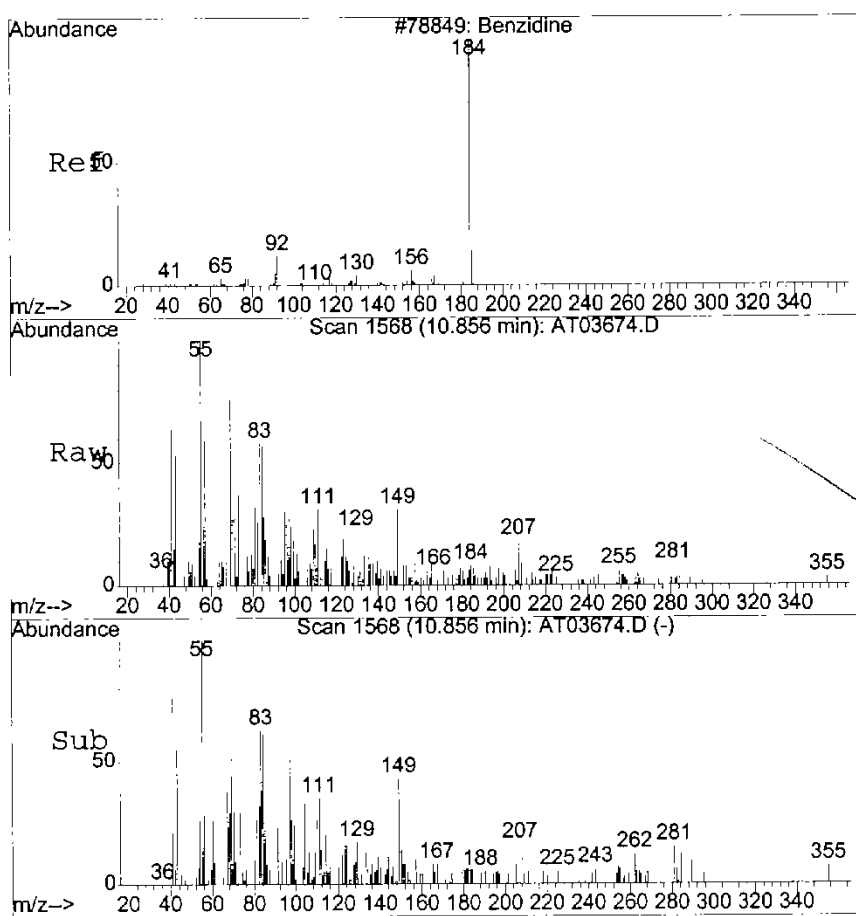


#77
Pyrene
Concen: 6.56 ug/L
RT: 10.95 min Scan# 1585
Delta R.T. 0.00 min
Lab File: AT03674.D
Acq: 25 Feb 2005 2:04 pm

Tgt Ion:202 Resp: 5874

Ion	Ratio	Lower	Upper
202	100		
101	21.3	0.0	45.3

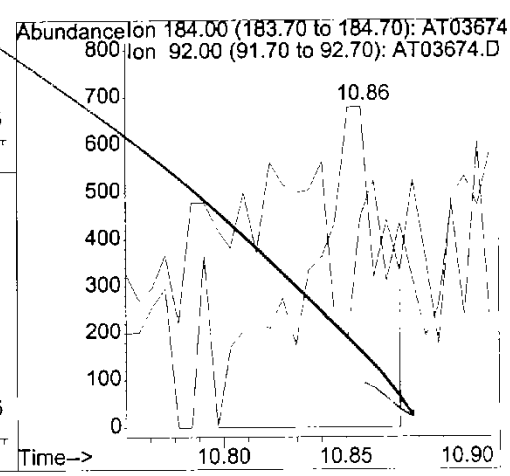


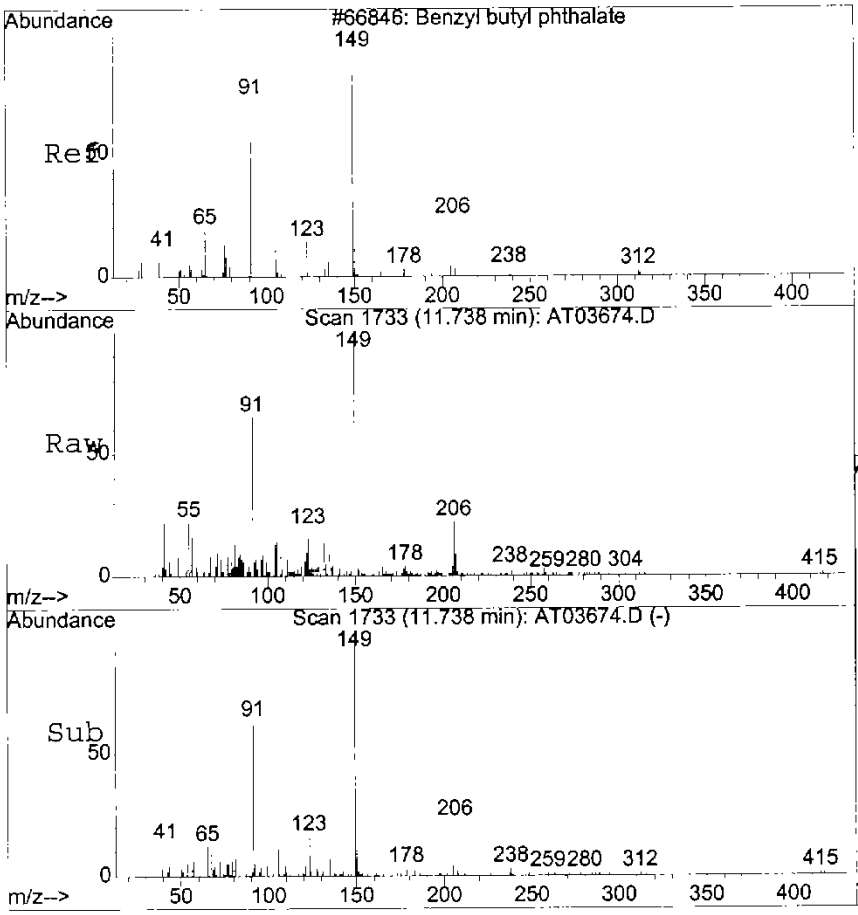


#78
Benzidine
Concen: 12.64 ul/l
RT: 10.86 min Scan# 1568
Delta R.T. -0.02 min
Lab File: AT03674.D
Acq: 25 Feb 2005 2:04 pm

Tgt Ion:184 Resp: 1552

Ion	Ratio	Lower	Upper
184	100		
92	22.4	0.0	38.7

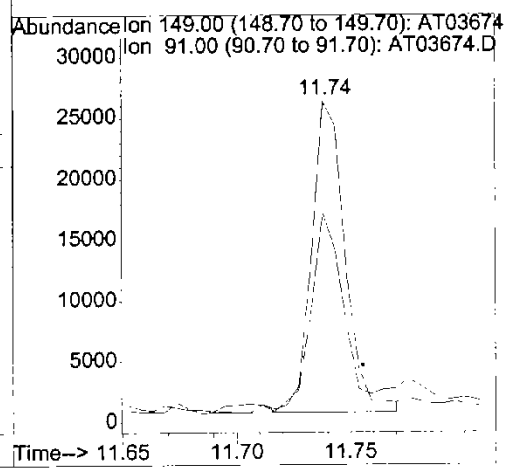


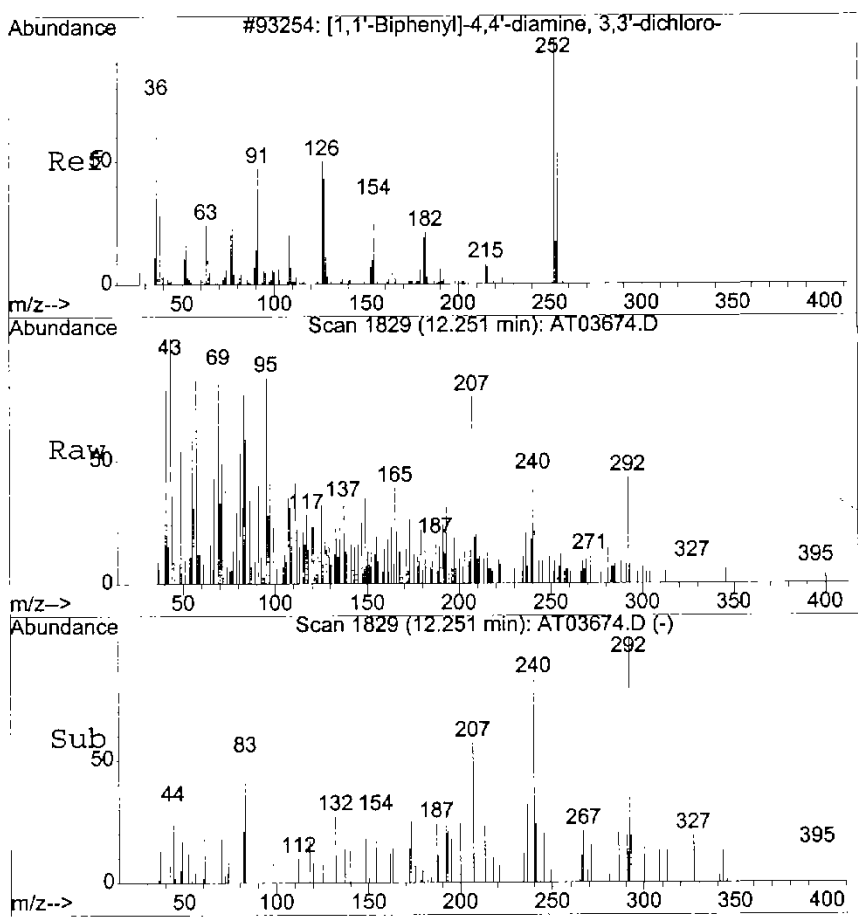


#81
Butylbenzylphthalate
Concen: 136.14 ug/L
RT: 11.74 min Scan# 1733
Delta R.T. 0.00 min
Lab File: AT03674.D
Acq: 25 Feb 2005 2:04 pm

Tgt Ion:149 Resp: 26393

Ion	Ratio	Lower	Upper
149	100		
91	61.3	30.6	90.6

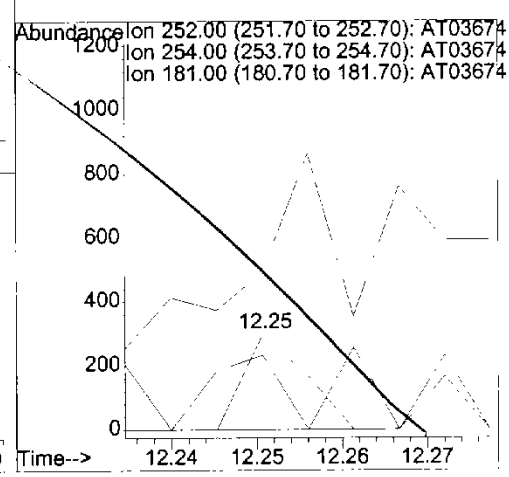


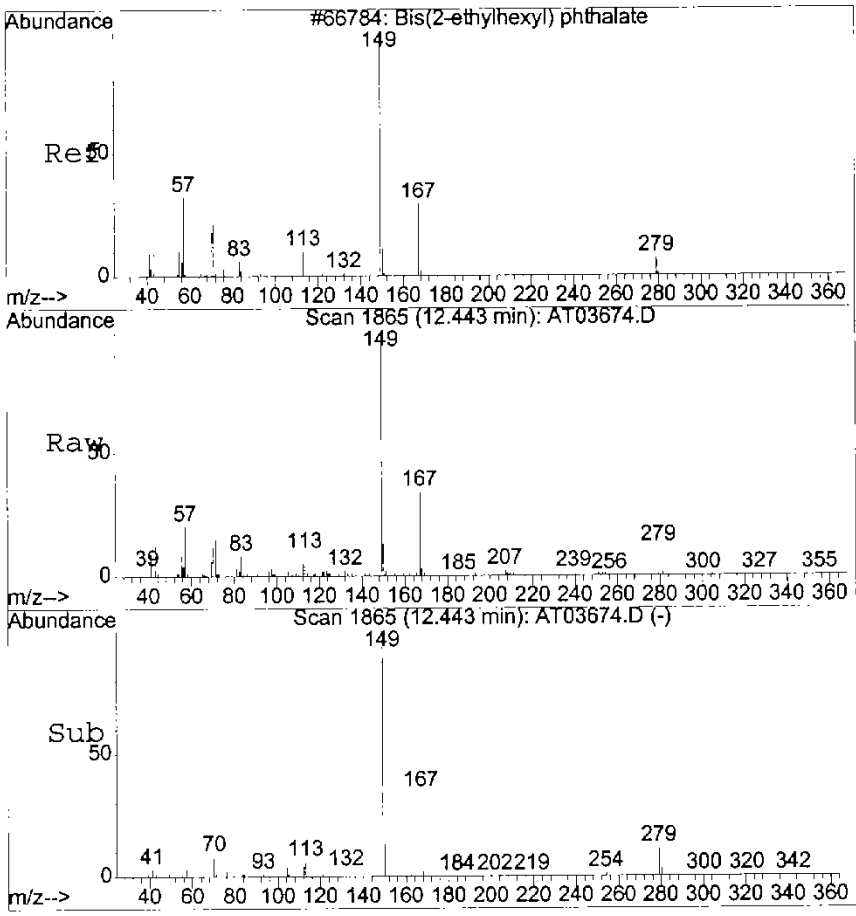


#83
3,3'-Dichlorobenzidine
Concen: 28.03 ug/L
RT: 12.25 min Scan# 1829
Delta R.T. -0.07 min
Lab File: AT03674.D
Acq: 25 Feb 2005 2:04 pm

Tgt Ion:252 Resp: 148

Ion	Ratio	Lower	Upper
252	100		
254	47.1	32.1	92.1
181	0.0	0.0	37.0

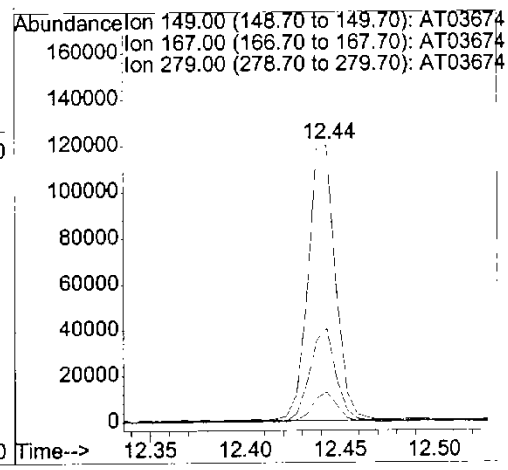


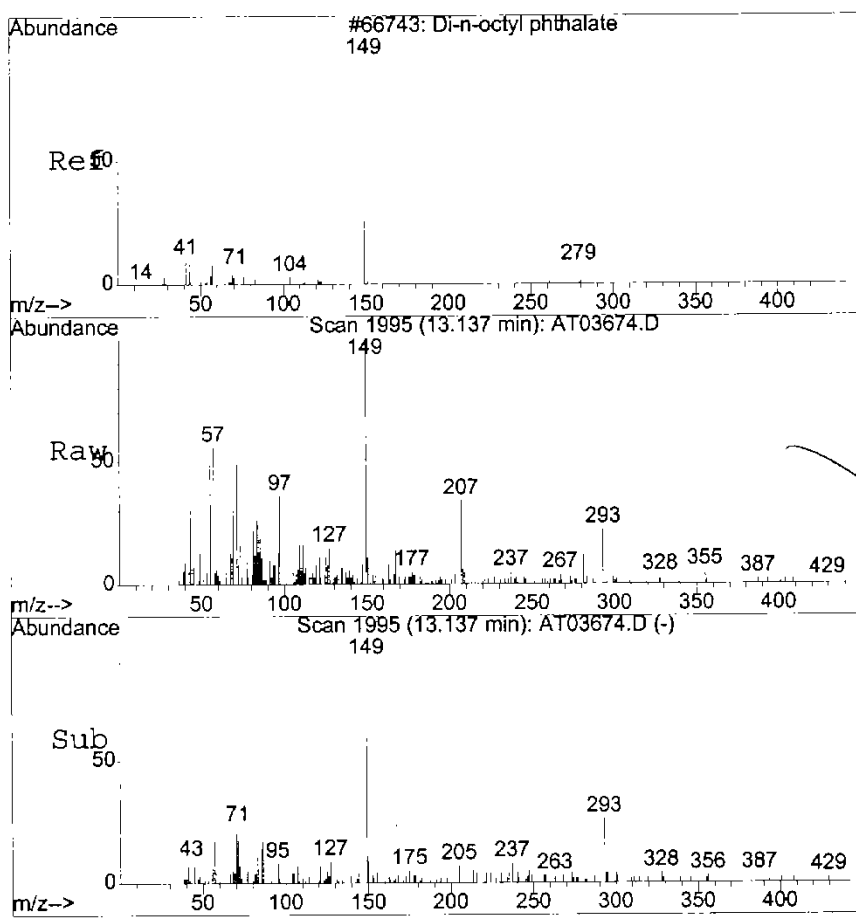


#85
bis(2-Ethylhexyl)phthalate
Concen: 235.54 ug/L
RT: 12.44 min Scan# 1865
Delta R.T. 0.01 min
Lab File: AT03674.D
Acq: 25 Feb 2005 2:04 pm

Tgt Ion:149 Resp: 120838

Ion	Ratio	Lower	Upper
149	100		
167	33.5	2.4	62.4
279	10.5	0.0	39.0

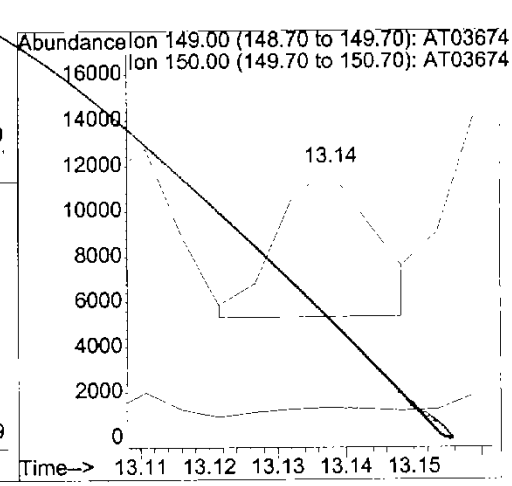


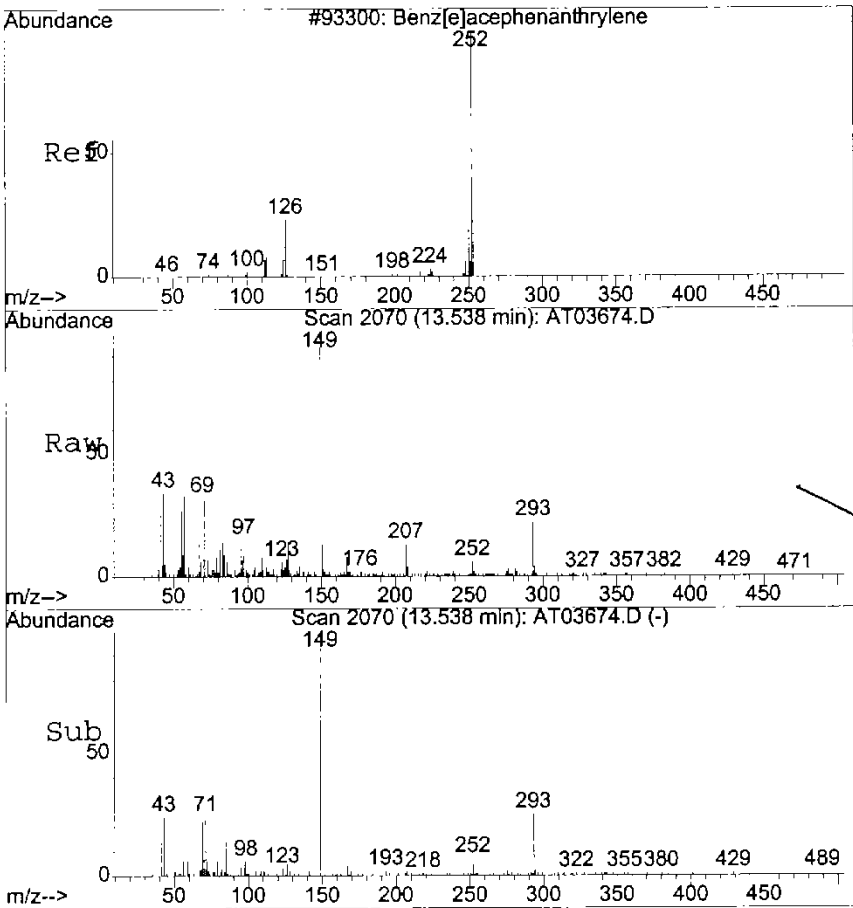


#87
Di-n-octylphthalate
Concen: 7.75 ug/L
RT: 13.14 min Scan# 1995
Delta R.T. -0.01 min
Lab File: AT03674.D
Acq: 25 Feb 2005 2:04 pm

Tgt Ion:149 Resp: 6366

Ion	Ratio	Lower	Upper
149	100		
150	5.4	0.0	39.5

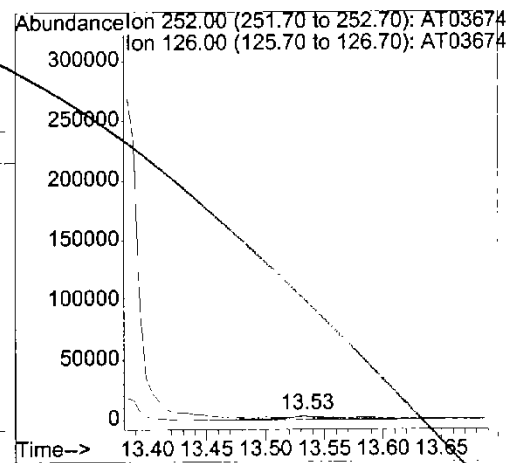


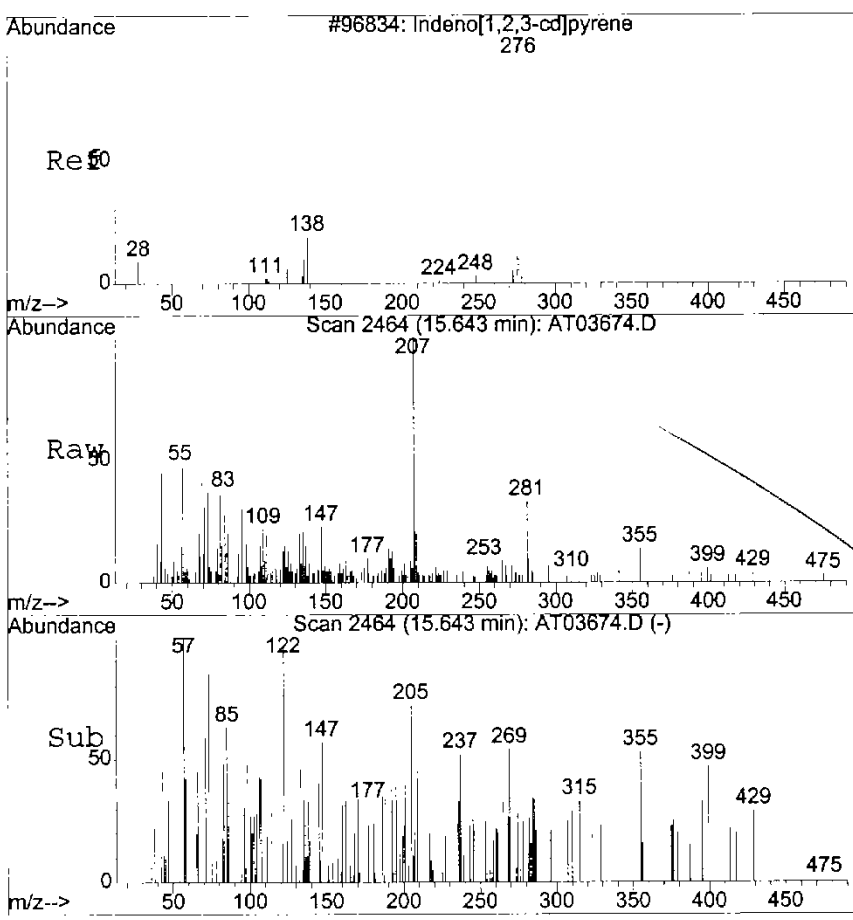


#90
Benzofluoranthenes
Concen: 9.88 ug/L
RT: 13.54 min Scan# 2070
Delta R.T. -0.01 min
Lab File: AT03674.D
Acq: 25 Feb 2005 2:04 pm

Tgt Ion:252 Resp: 8145

Ion	Ratio	Lower	Upper
252	100		
126	21.3	0.0	50.7

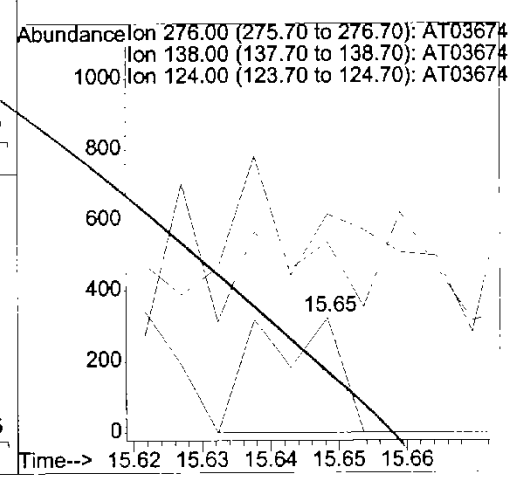


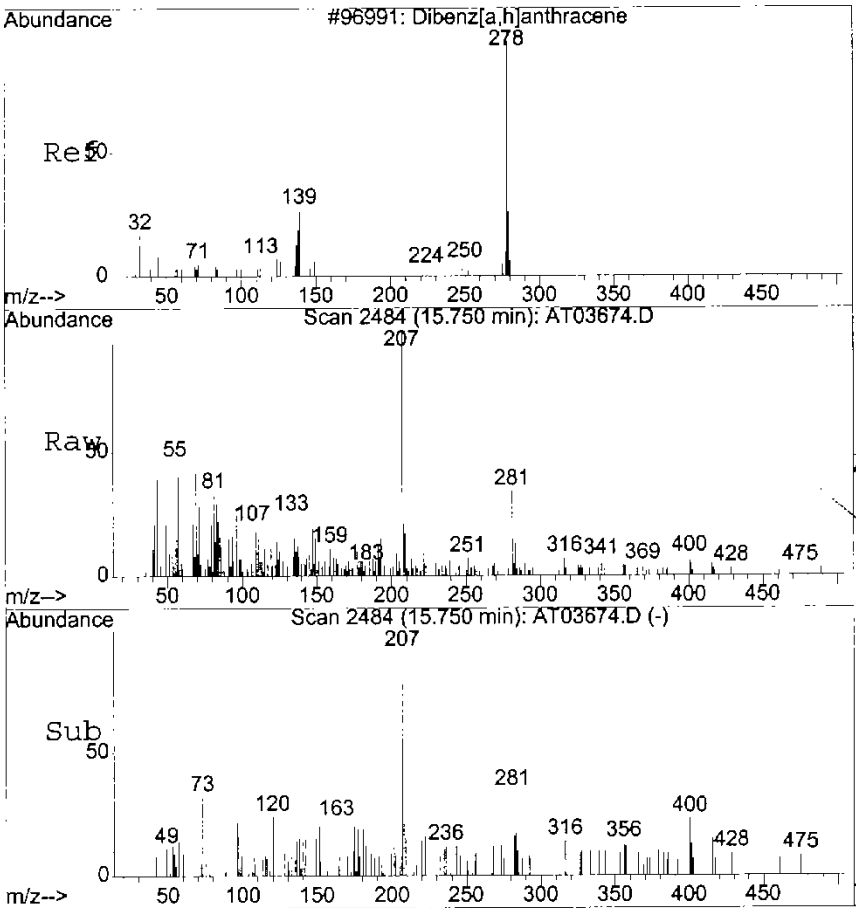


#92
Indeno(1,2,3-cd)pyrene
Concen: 19.66 ug/L
RT: 15.64 min Scan# 2464
Delta R.T. 0.07 min
Lab File: AT03674.D
Acq: 25 Feb 2005 2:04 pm

Tgt Ion:276 Resp: 264

Ion	Ratio	Lower	Upper
276	100		
138	0.0	0.0	52.0
124	0.0	0.0	35.3

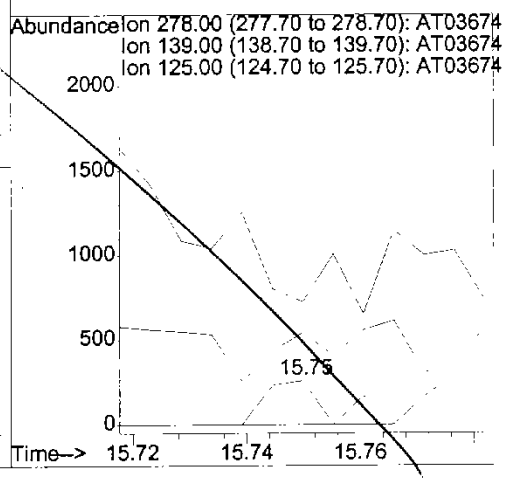




#93
Dibenz(a,h)anthracene
Concen: 12.90 ug/L
RT: 15.75 min Scan# 2484
Delta R.T. 0.14 min
Lab File: AT03674.D
Acq: 25 Feb 2005 2:04 pm

Tgt Ion:278 Resp: 212

Ion	Ratio	Lower	Upper
278	100		
139	0.0	0.0	46.2
125	0.0	0.0	34.4



Quantitation Report (Not Reviewed)

Data File : H:\DATA\030405_A\AT03713.D
Acq On : 4 Mar 2005 1:09 pm
Sample : 126377-6 &1 1:5
Misc :
MS Integration Params: Rteint.p
Quant Time: Mar 04 13:30:14 2005

Vial: 4
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: 8270_022505.RES

Quant Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Fri Mar 04 12:37:28 2005
Response via : Initial Calibration
DataAcq Meth : 8270

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4 (I)	5.35	152	267804	1000.000 ug/L	0.00
23) Naphthalene - d8 (I)	6.47	136	1061574	1000.000 ug/L	0.00
39) Acenaphthene - d10 (I)	7.93	162	537685	1000.000 ug/L	0.00
63) Phenanthrene - d10 (I)	9.22	188	925854	1000.000 ug/L	0.00
80) Chrysene - d12 (I)	12.07	240	943554	1000.000 ul/l	0.00
86) Perylene - d12 (I)	13.67	264	895370	1000.000 ug/L	0.00
System Monitoring Compounds					
4) 2 - Fluorophenol (S)	4.05	112	25570	114.03 ug/L	-0.04
8) Phenol - d5 (S)	5.06	99	36551	144.83 ug/L	0.00
24) Nitrobenzene - d5 (S)	5.86	82	14786	67.93 ug/L	0.00
44) 2 - Fluorobiphenyl (S)	7.39	172	40066	69.06 ug/L	0.00
66) 2,4,6 - Tribromophenol (S)	8.59	330	9969	135.72 ug/L	0.00
79) p - Terphenyl - d14 (S)	10.91	244	83492	148.94 ug/L	0.00
Target Compounds					Qvalue
3) Pyridine	2.36	79	519	~~181.574 ug/L~~	89
9) Phenol	5.07	94	5537	20.576 ug/L	77
30) Benzoic Acid	6.25	105	7768	561.856 ug/L	89
50) 2,6-Dinitrotoluene	7.76	165	1207	35.092 ug/L	65
56) 2,4-Dinitrotoluene	8.10	165	275	~~32.911 ug/L~~	77
59) Diethylphthalate	8.32	149	14025	26.263 ug/L	97
73) Octadecane	9.17	57	1214	5.542 ul/L	86
75) Di-n-butylphthalate	9.85	149	488317	601.822 ug/L	99
81) Butylbenzylphthalate	11.50	149	10193	99.658 ug/L	94
85) bis(2-Ethylhexyl)phthalate	12.21	149	41009	92.635 ug/L	98
92) Indeno(1,2,3-cd)pyrene	15.19	276	112	~~19.494 ug/L~~	58
93) Dibenz(a,h)anthracene	15.19	278	580	~~13.465 ug/L~~	50

20.543

(#) = qualifier out of range (m) = manual integration

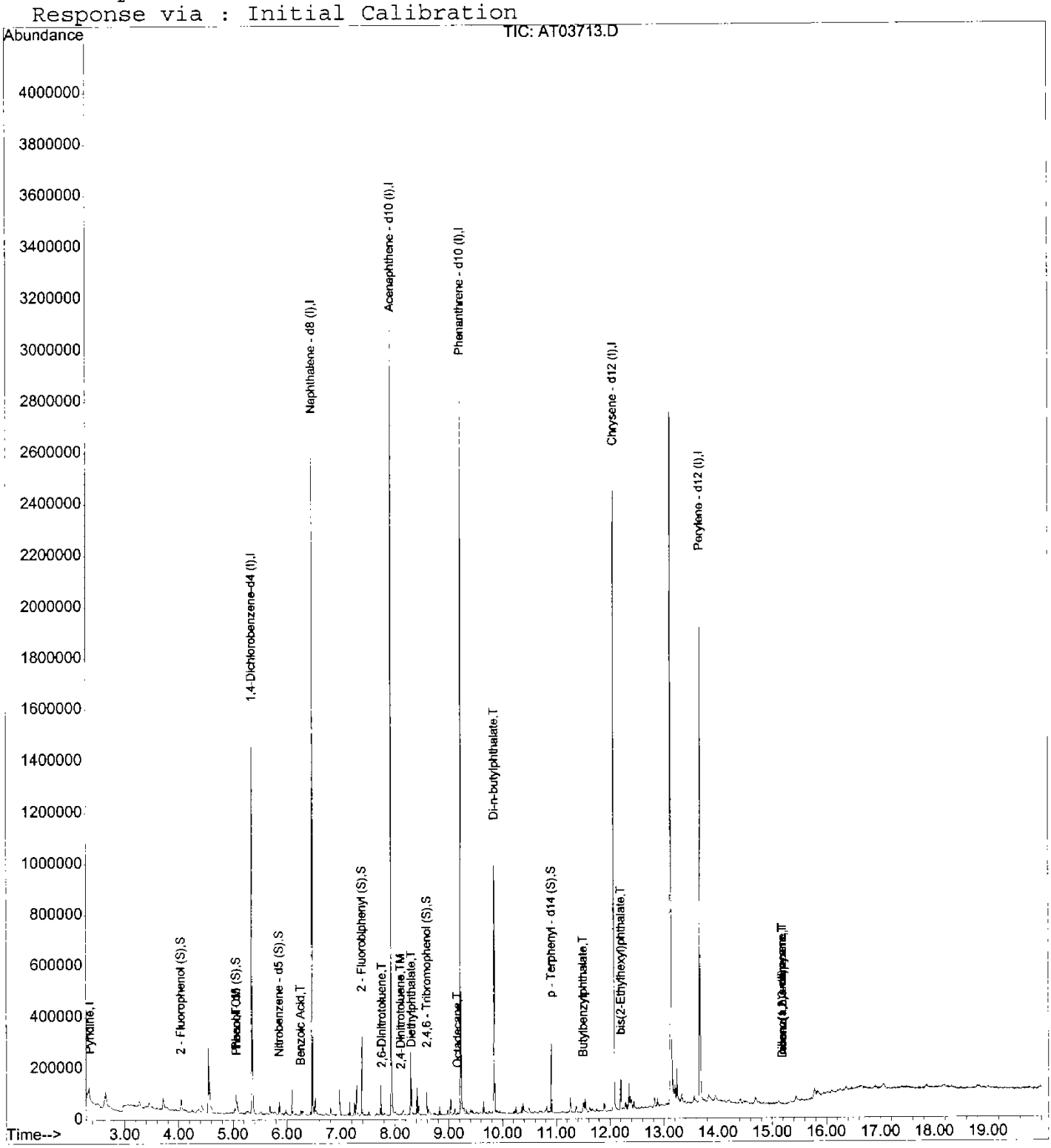
00610

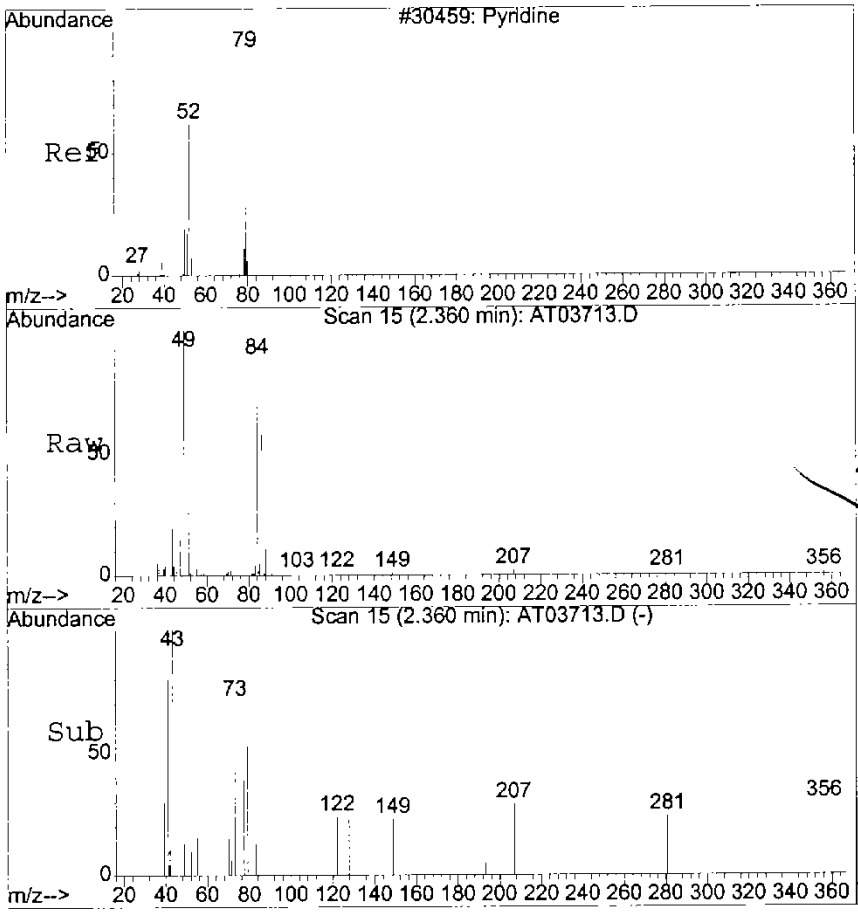
Data File : H:\DATA\030405_A\AT03713.D
Acq On : 4 Mar 2005 1:09 pm
Sample : 126377-6 &1 1:5
Misc :
MS Integration Params: Rteint.p
Quant Time: Mar 4 13:31 2005

Vial: 4
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00

Quant Results File: 8270_022505.

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Fri Mar 04 12:37:28 2005
Response via : Initial Calibration

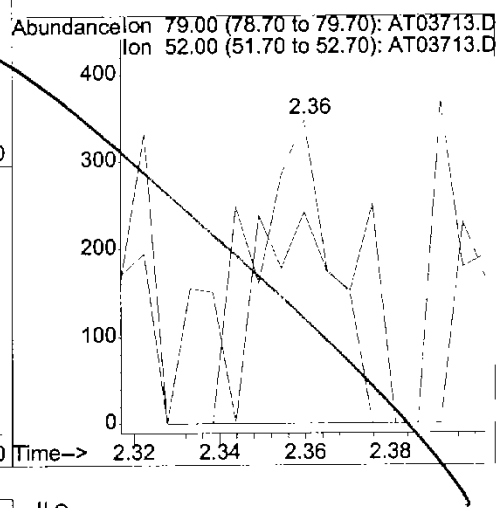


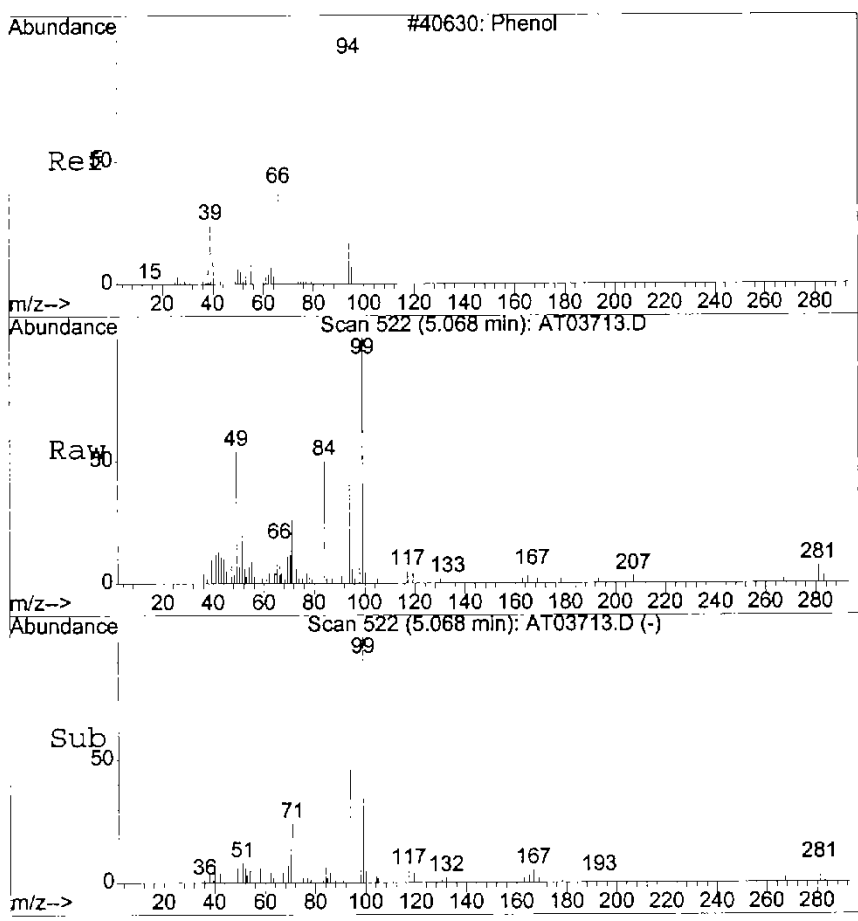


#3
Pyridine
Concen: 181.57 ug/L
RT: 2.36 min Scan# 15
Delta R.T. 0.06 min
Lab File: AT03713.D
Acq: 4 Mar 2005 1:09 pm

Tgt Ion: 79 Resp: 519

Ion	Ratio	Lower	Upper
79	100		
52	48.0	25.7	85.7

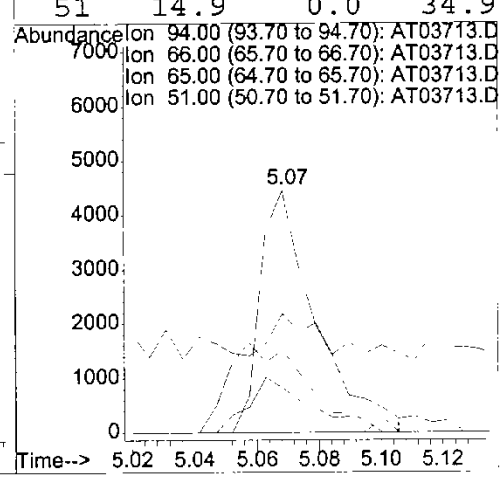




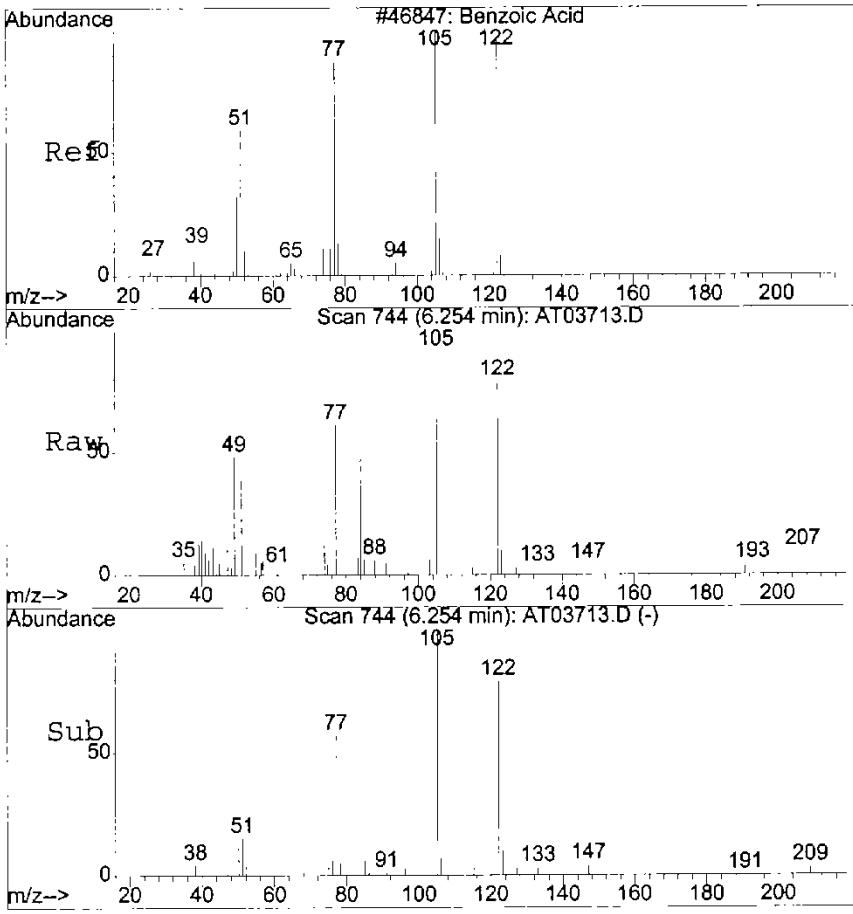
#9
Phenol
Concen: 20.58 ug/L
RT: 5.07 min Scan# 522
Delta R.T. -0.01 min
Lab File: AT03713.D
Acq: 4 Mar 2005 1:09 pm

Tgt Ion: 94 Resp: 5537

Ion	Ratio	Lower	Upper
94	100		
66	29.3	14.1	74.1
65	19.0	1.3	61.3
51	14.9	0.0	34.9



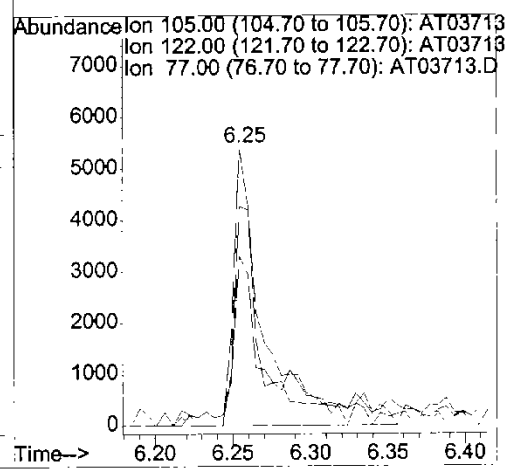
00612

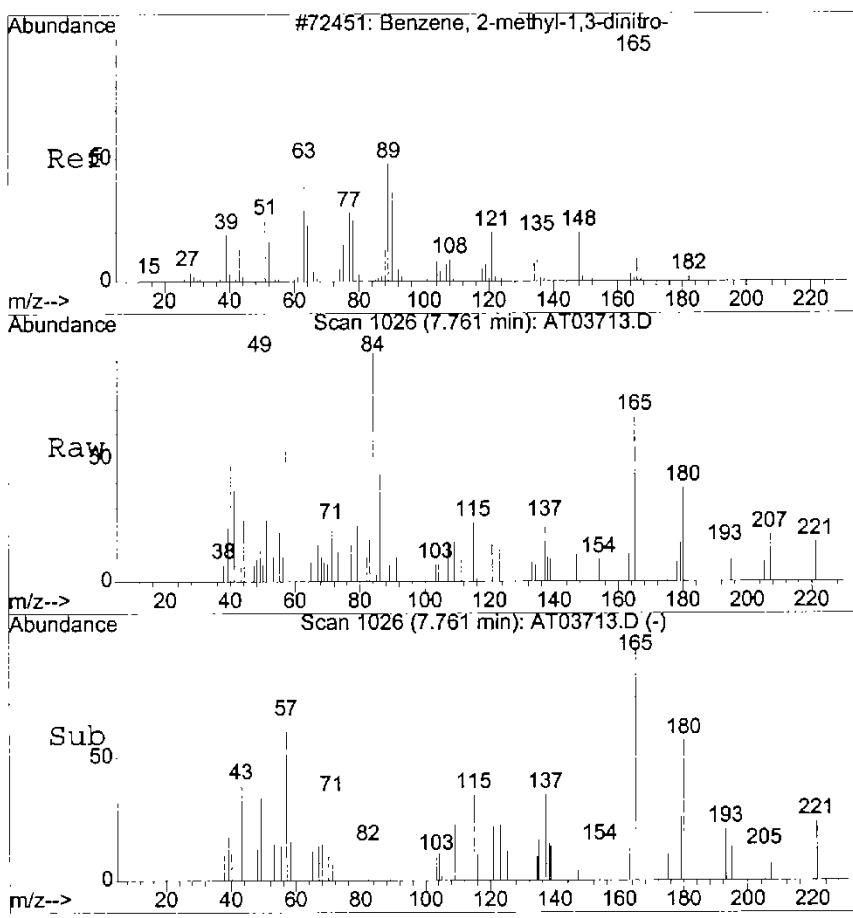


#30
Benzoic Acid
Concen: 561.86 ug/L
RT: 6.25 min Scan# 744
Delta R.T. -0.06 min
Lab File: AT03713.D
Acq: 4 Mar 2005 1:09 pm

Tgt Ion:105 Resp: 7768

Ion	Ratio	Lower	Upper
105	100		
122	77.2	58.0	118.0
77	56.2	34.2	94.2

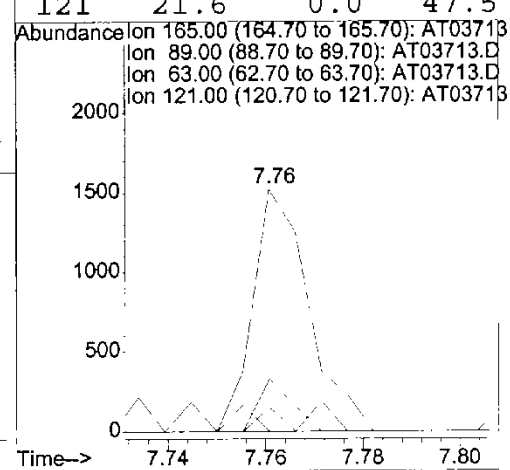




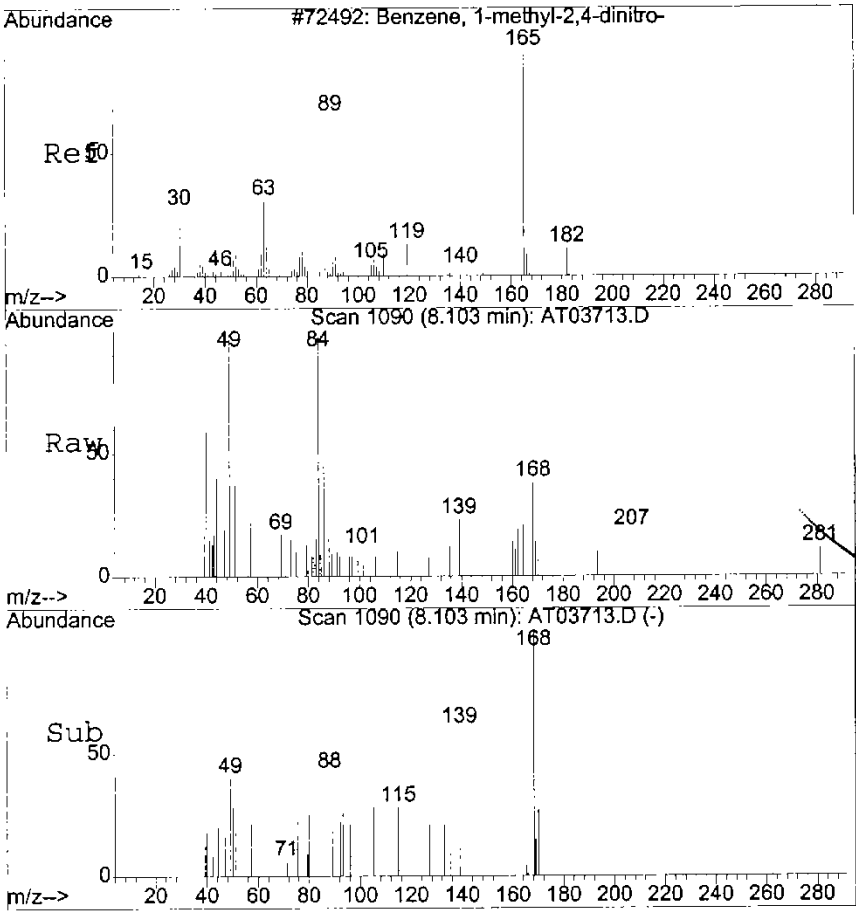
#50
2,6-Dinitrotoluene
Concen: 35.09 ug/L
RT: 7.76 min Scan# 1026
Delta R.T. -0.01 min
Lab File: AT03713.D
Acq: 4 Mar 2005 1:09 pm

Tgt Ion:165 Resp: 1207

Ion	Ratio	Lower	Upper
165	100		
89	10.0	8.4	68.4
63	0.0	0.0	45.4
121	21.6	0.0	47.5



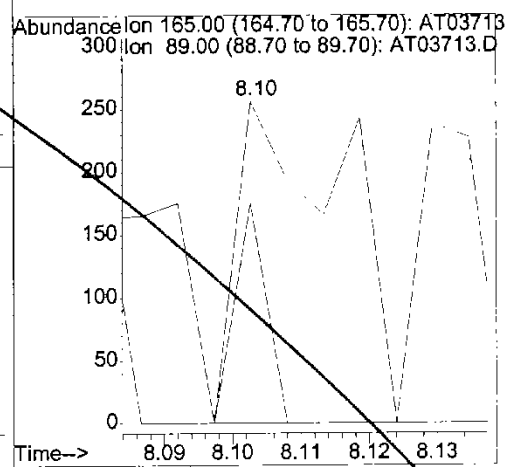
00613

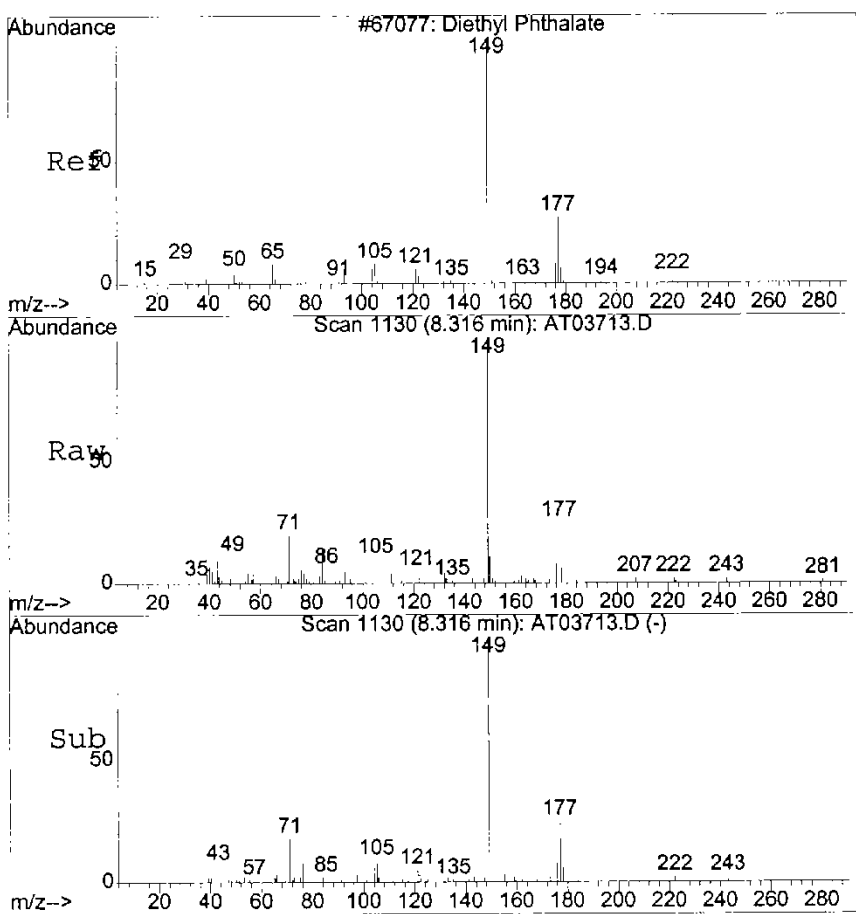


#56
2,4-Dinitrotoluene
Concen: 32.91 ug/L
RT: 8.10 min Scan# 1090
Delta R.T. 0.01 min
Lab File: AT03713.D
Acq: 4 Mar 2005 1:09 pm

Tgt Ion:165 Resp: 275

Ion	Ratio	Lower	Upper
165	100		
89	68.4	22.1	82.1

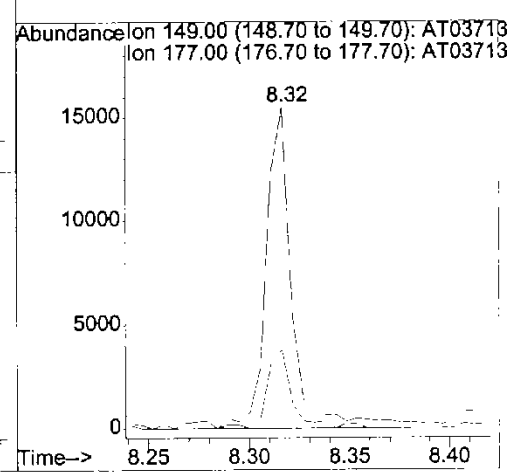




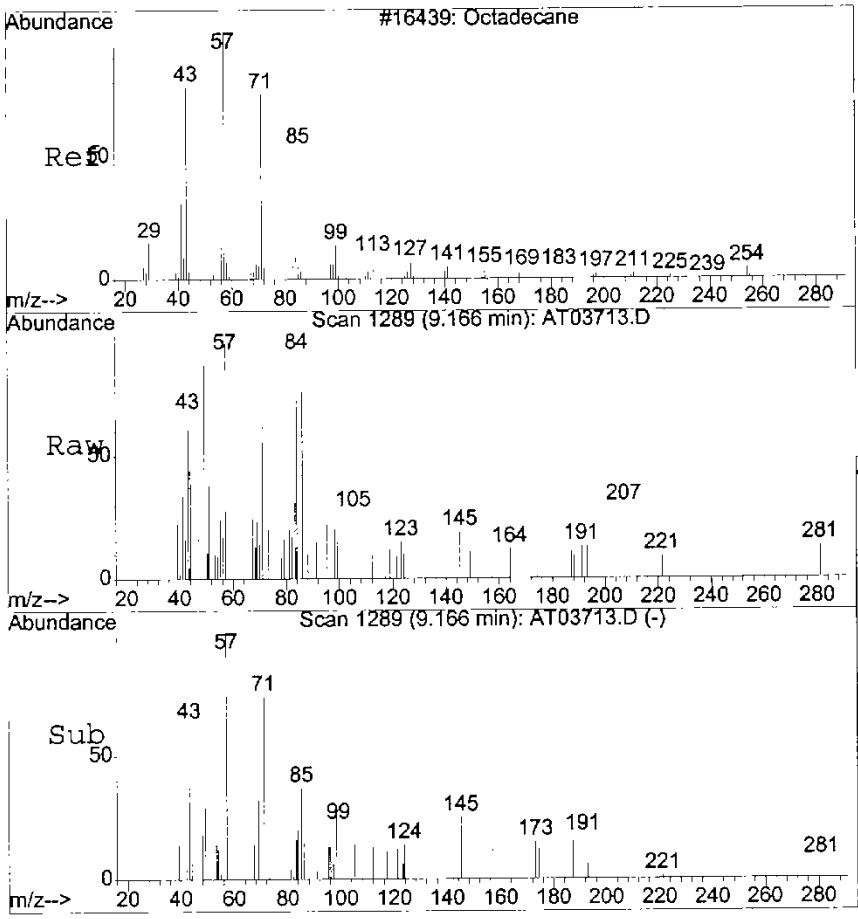
#59
Diethylphthalate
Concen: 26.26 ug/L
RT: 8.32 min Scan# 1130
Delta R.T. 0.02 min
Lab File: AT03713.D
Acq: 4 Mar 2005 1:09 pm

Tgt Ion:149 Resp: 14025

Ion	Ratio	Lower	Upper
149	100		
177	24.7	0.0	53.1



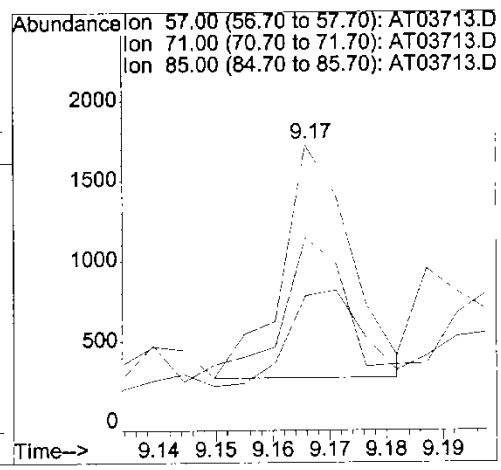
00614

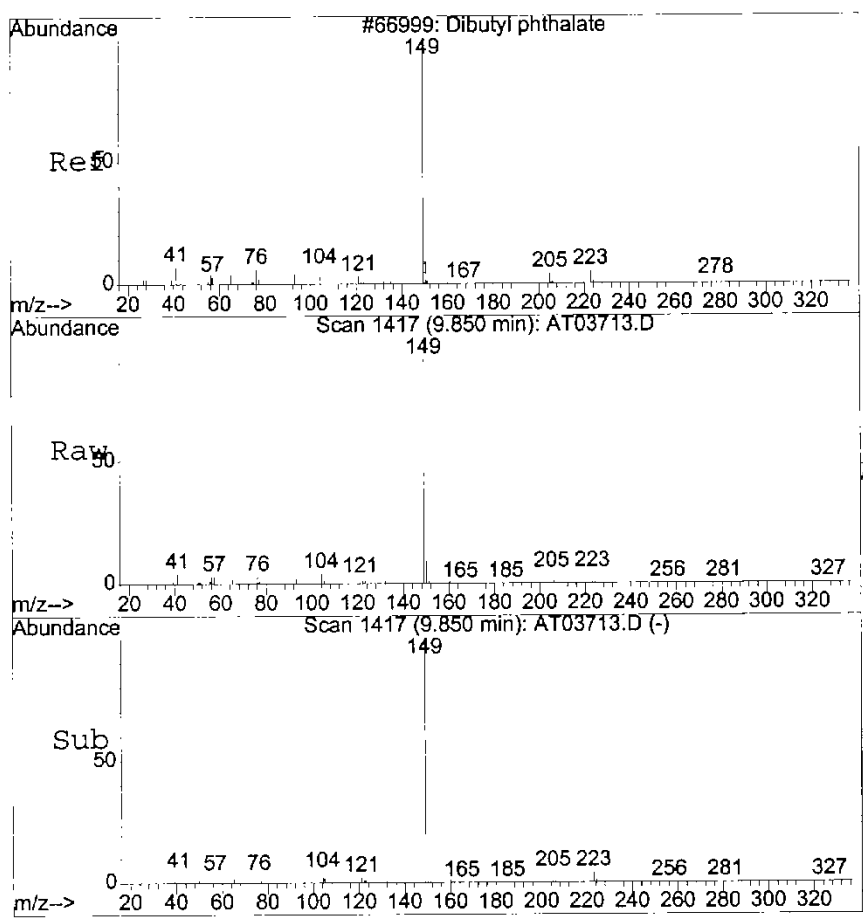


#73
Octadecane
Concen: 5.54 ul/L
RT: 9.17 min Scan# 1289
Delta R.T. 0.00 min
Lab File: AT03713.D
Acq: 4 Mar 2005 1:09 pm

Tgt Ion: 57 Resp: 1214

Ion	Ratio	Lower	Upper
57	100		
71	60.3	51.7	96.1
85	45.4	37.4	69.4

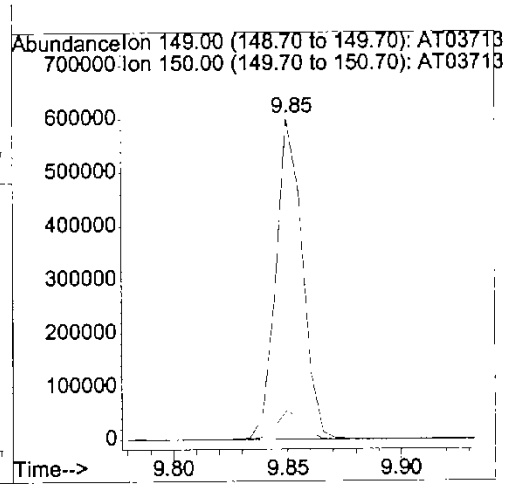


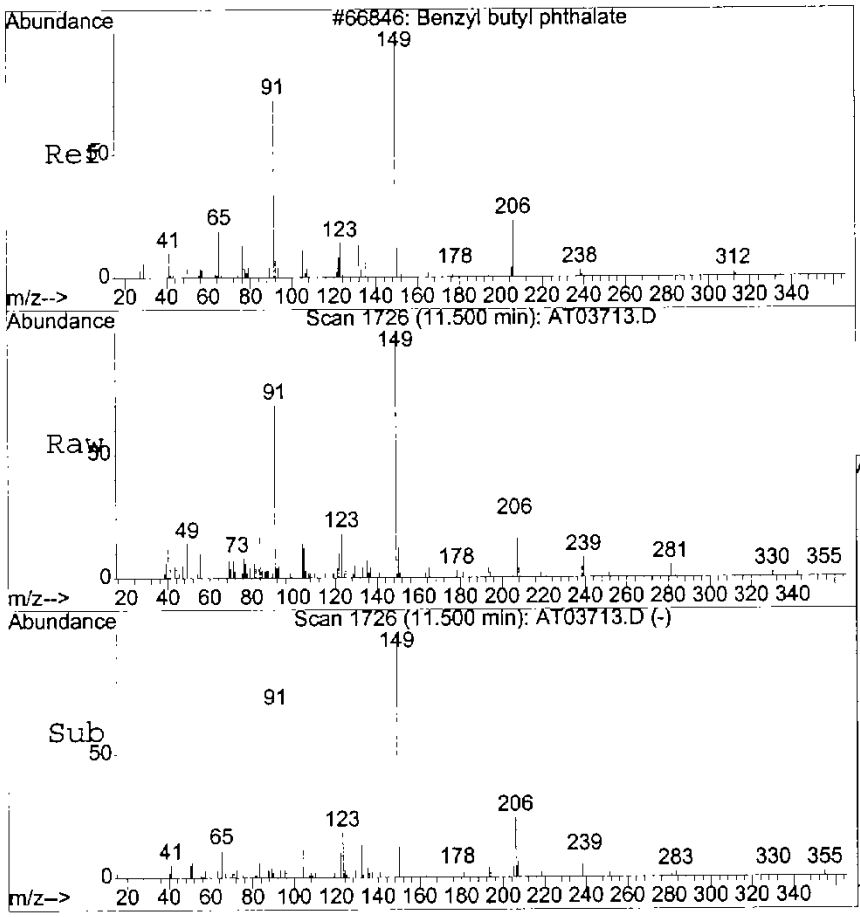


#75
Di-n-butylphthalate
Concen: 601.82 ug/L
RT: 9.85 min Scan# 1417
Delta R.T. -0.00 min
Lab File: AT03713.D
Acq: 4 Mar 2005 1:09 pm

Tgt Ion:149 Resp: 488317

Ion	Ratio	Lower	Upper
149	100		
150	9.0	0.0	39.3

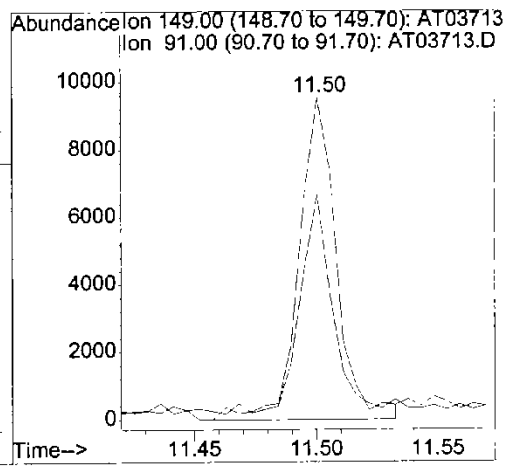


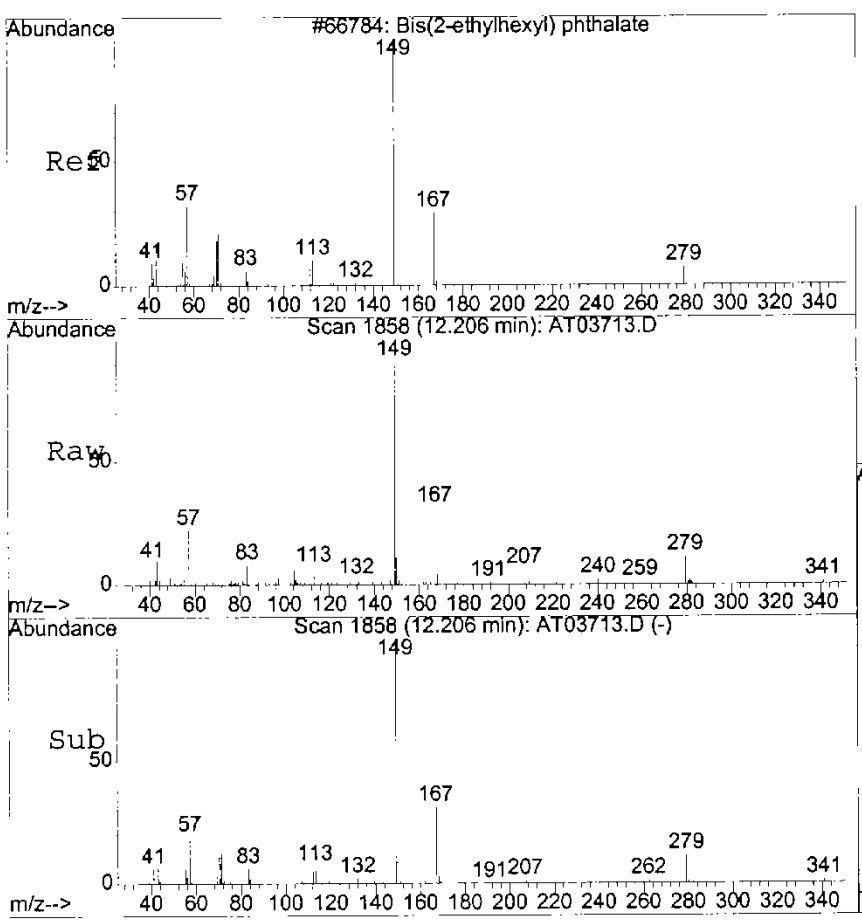


#81
Butylbenzylphthalate
Concen: 99.66 ug/L
RT: 11.50 min Scan# 1726
Delta R.T. -0.00 min
Lab File: AT03713.D
Acq: 4 Mar 2005 1:09 pm

Tgt Ion:149 Resp: 10193

Ion	Ratio	Lower	Upper
149	100		
91	67.2	32.4	92.4

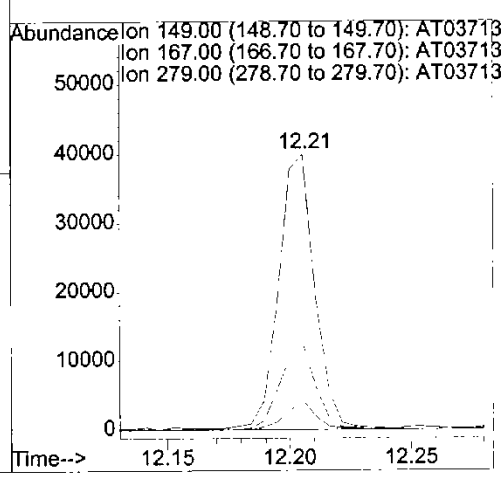




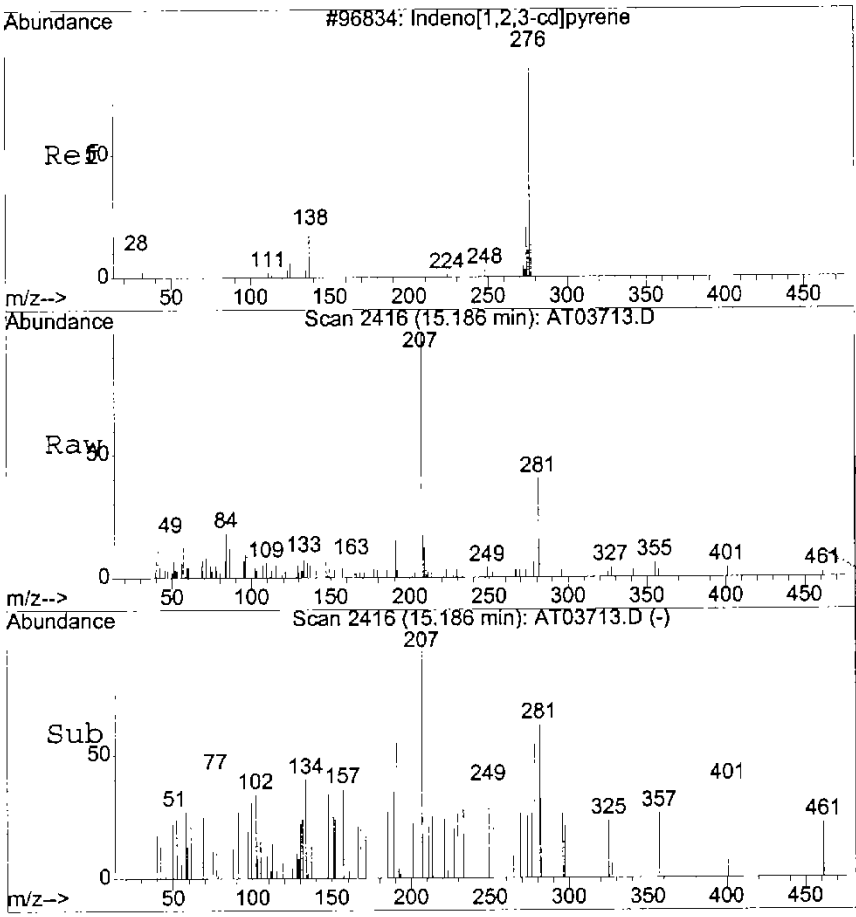
#85
bis(2-Ethylhexyl)phthalate
Concen: 92.63 ug/L
RT: 12.21 min Scan# 1858
Delta R.T. -0.00 min
Lab File: AT03713.D
Acq: 4 Mar 2005 1:09 pm

Tgt Ion:149 Resp: 41009

Ion	Ratio	Lower	Upper
149	100		
167	31.0	1.6	61.6
279	10.4	0.0	38.9



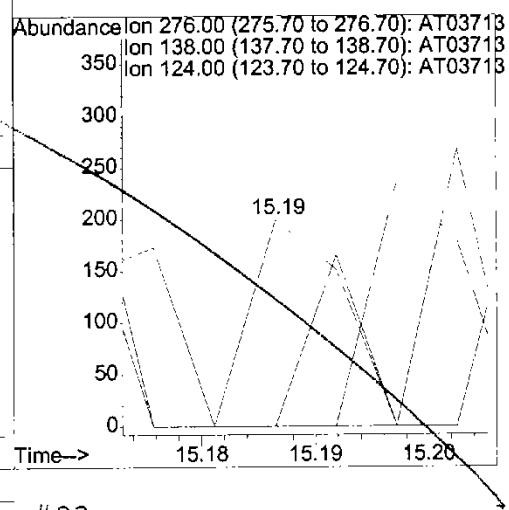
00616

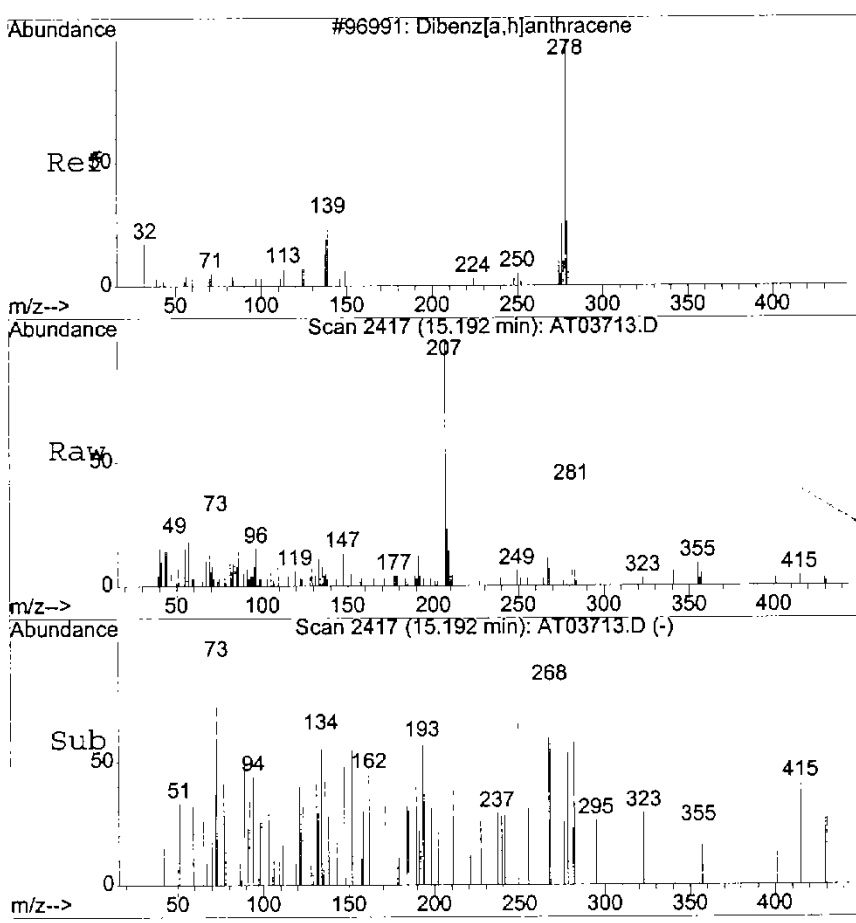


#92
Indeno(1,2,3-cd)pyrene
Concen: 19.49 ug/L
RT: 15.19 min Scan# 2416
Delta R.T. 0.05 min
Lab File: AT03713.D
Acq: 4 Mar 2005 1:09 pm

Tgt Ion:276 Resp: 112

Ion	Ratio	Lower	Upper
276	100		
138	0.0	0.0	53.1
124	0.0	0.0	34.7

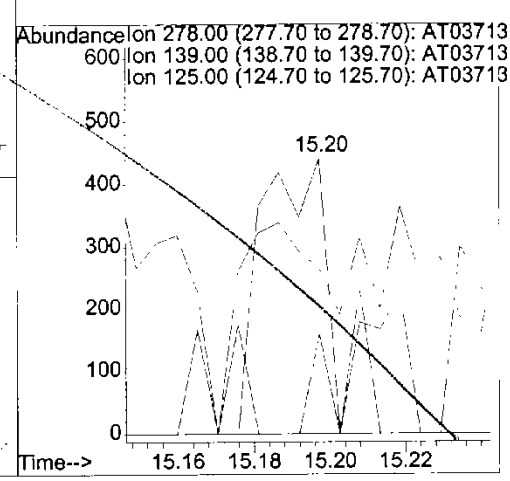




#93
Dibenz(a,h)anthracene
Concen: 13.46 ug/L
RT: 15.19 min Scan# 2417
Delta R.T. -0.00 min
Lab File: AT03713.D
Acq: 4 Mar 2005 1:09 pm

Tgt Ion:278 Resp: 580

Ion	Ratio	Lower	Upper
278	100		
139	0.0	0.0	48.7
125	31.9	0.0	36.0



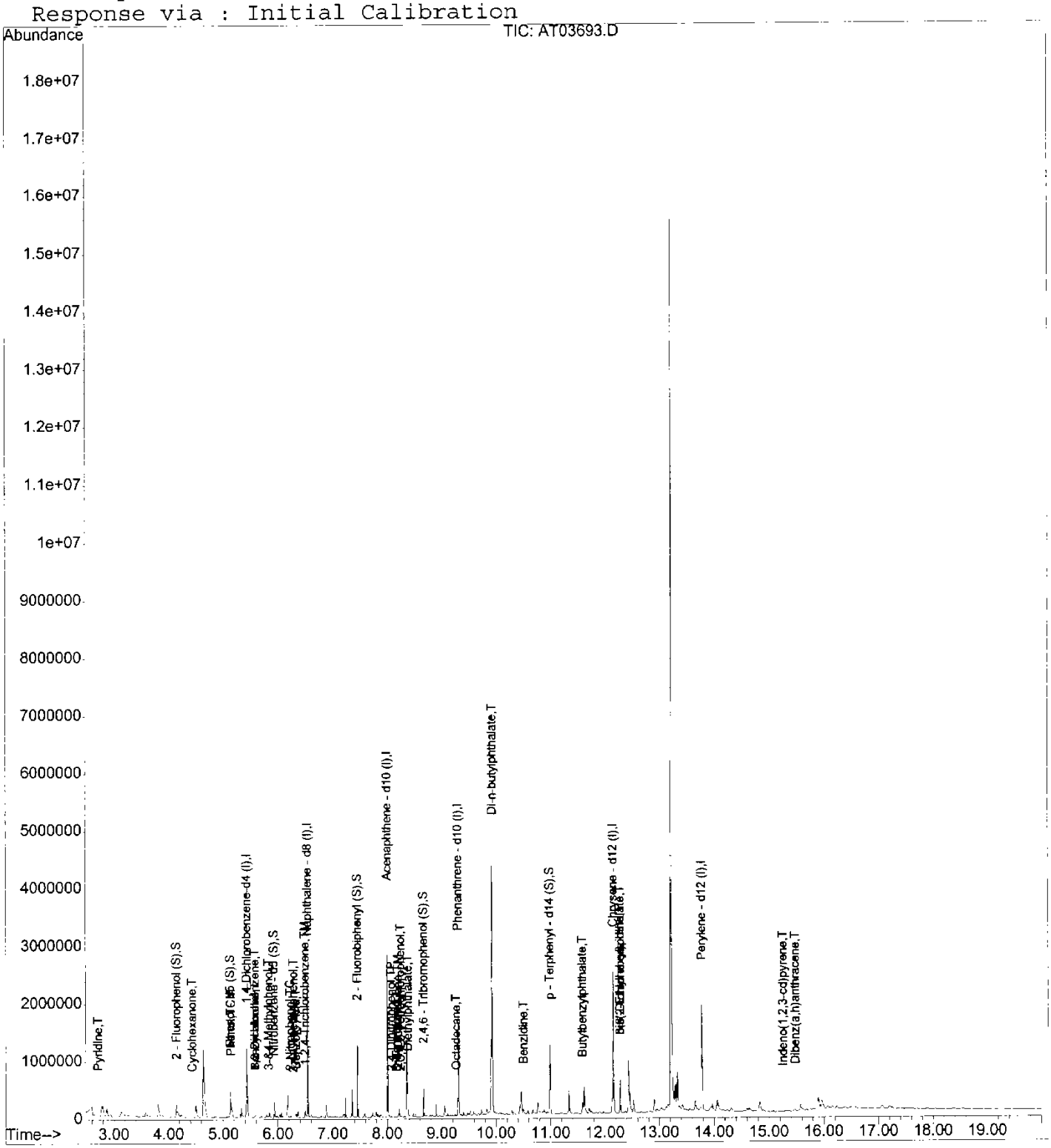
00617

Quantitation Report (Not Reviewed)

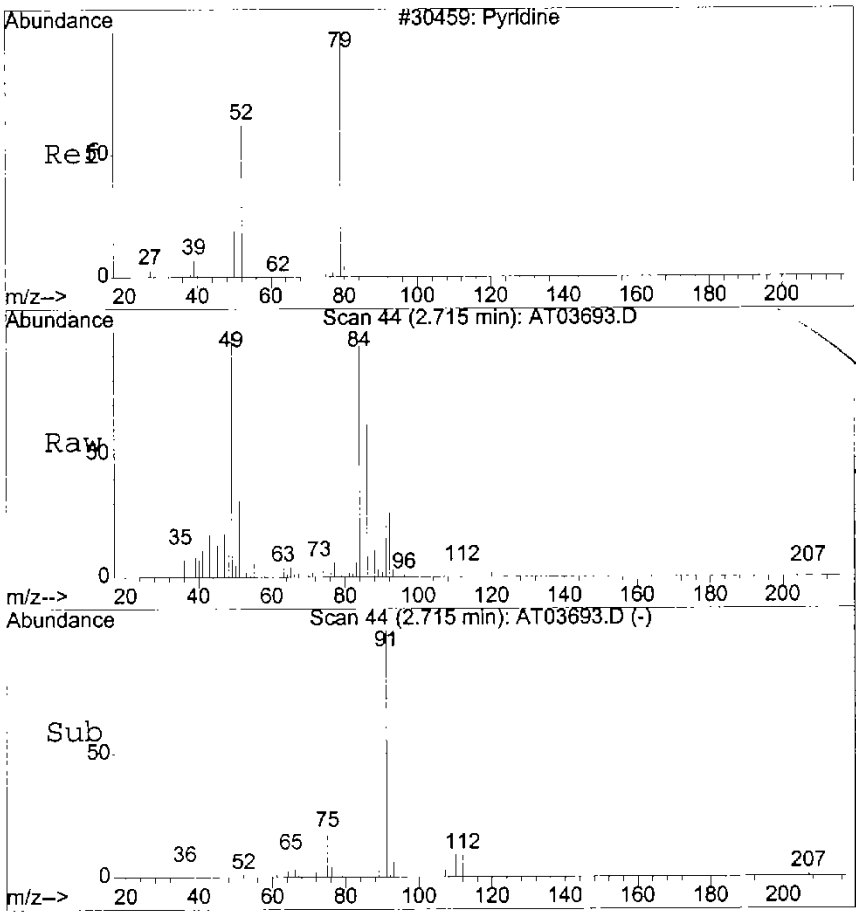
Data File : H:\DATA\030105_A\AT03693.D
Acq On : 1 Mar 2005 10:09 am
Sample : 126377-6 &1
Misc :
MS Integration Params: Rteint.p
Quant Time: Mar 1 10:58 2005

Vial: 7
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: 8270_022505.

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Feb 28 14:16:48 2005
Response via : Initial Calibration



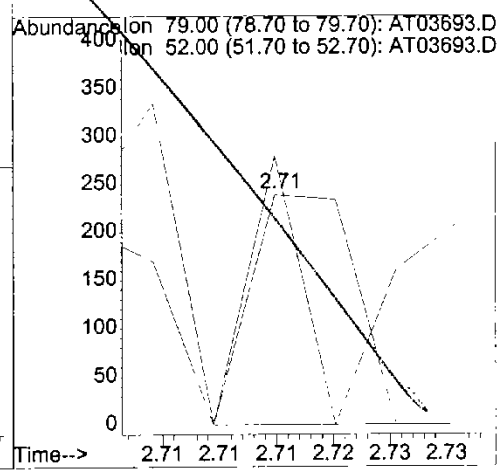
000618

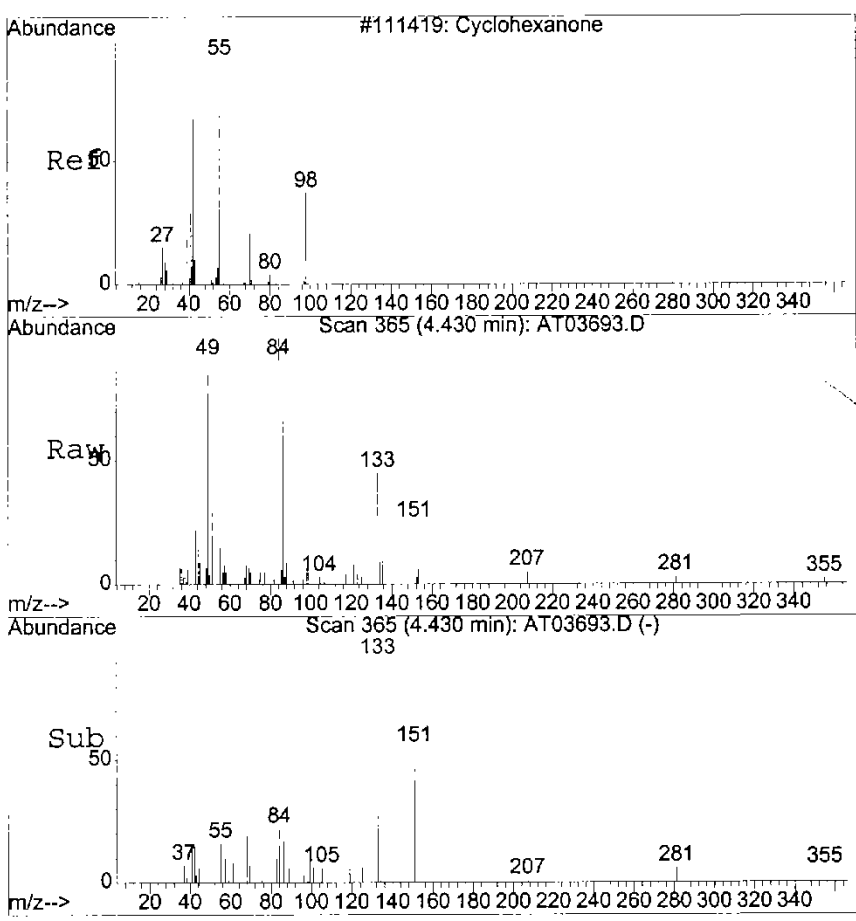


#3
Pyridine
Concen: 180.27 ug/L
RT: 2.71 min Scan# 44
Delta R.T. 0.16 min
Lab File: AT03693.D
Acq: 1 Mar 2005 10:09 am

Tgt Ion: 79 Resp: 152

Ion	Ratio	Lower	Upper
79	100		
52	83.5	29.7	89.7

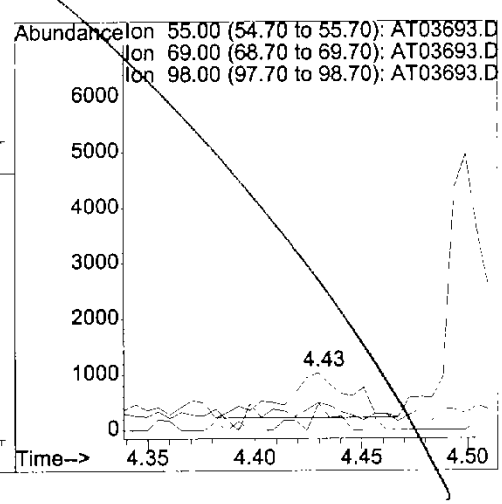




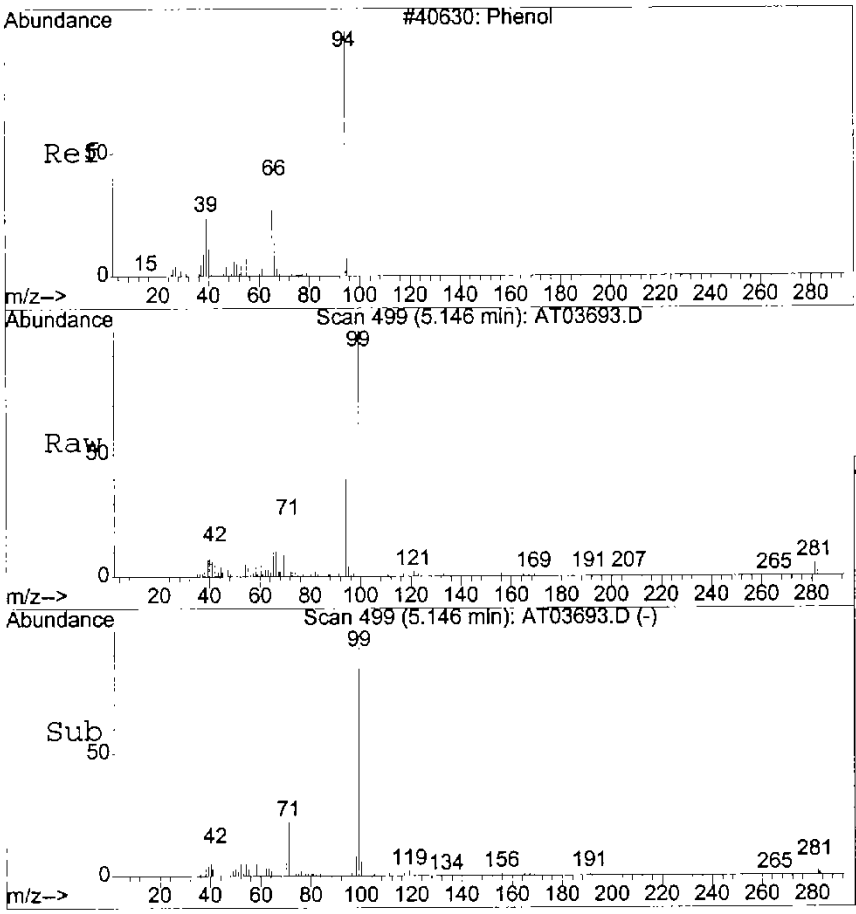
#5
Cyclohexanone
Concen: 10.48 ul/L
RT: 4.43 min Scan# 365
Delta R.T. -0.04 min
Lab File: AT03693.D
Acq: 1 Mar 2005 10:09 am

Tgt Ion: 55 Resp: 1699

Ion	Ratio	Lower	Upper
55	100		
69	27.5	4.6	64.6
98	49.4	24.8	84.8



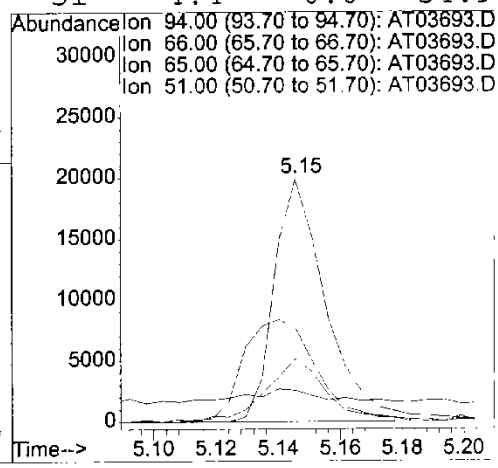
000619

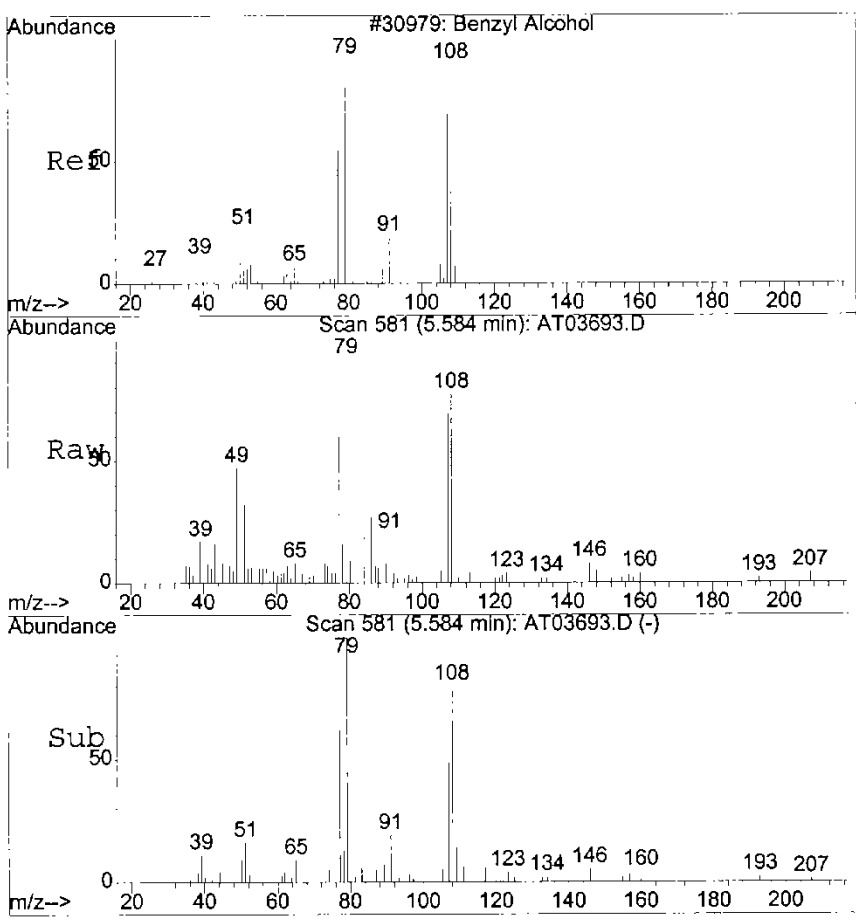


#9
Phenol
Concen: 92.11 ug/L
RT: 5.15 min Scan# 499
Delta R.T. -0.00 min
Lab File: AT03693.D
Acq: 1 Mar 2005 10:09 am

Tgt Ion: 94 Resp: 22877

Ion	Ratio	Lower	Upper
94	100		
66	38.1	14.1	74.1
65	24.7	1.3	61.3
51	4.4	0.0	34.9

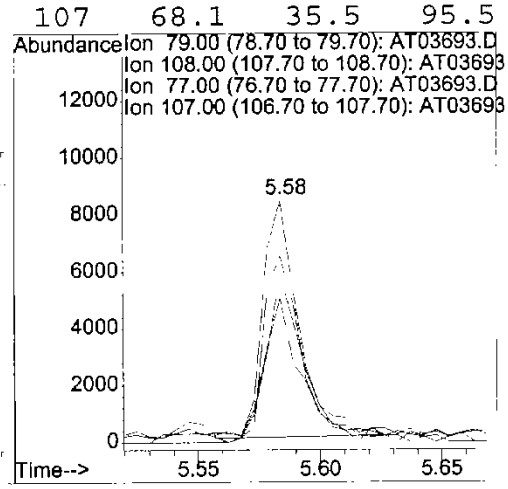




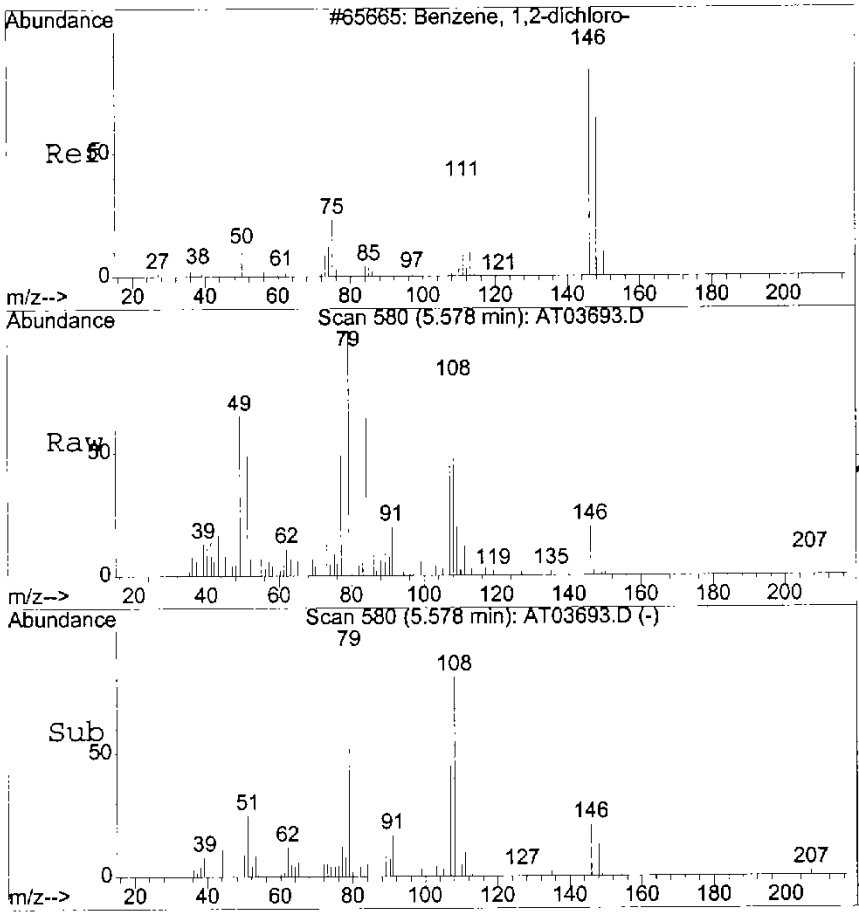
#15
Benzyl alcohol
Concen: 78.92 ug/L
RT: 5.58 min Scan# 581
Delta R.T. 0.02 min
Lab File: AT03693.D
Acq: 1 Mar 2005 10:09 am

Tgt Ion: 79 Resp: 8708

Ion	Ratio	Lower	Upper
79	100		
108	78.2	62.2	122.2
77	59.4	29.8	89.8
107	68.1	35.5	95.5



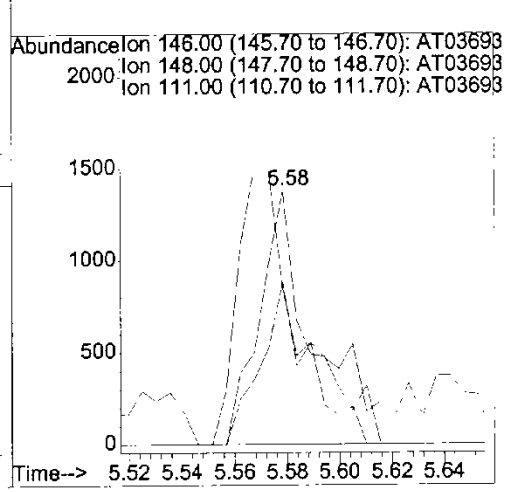
00620

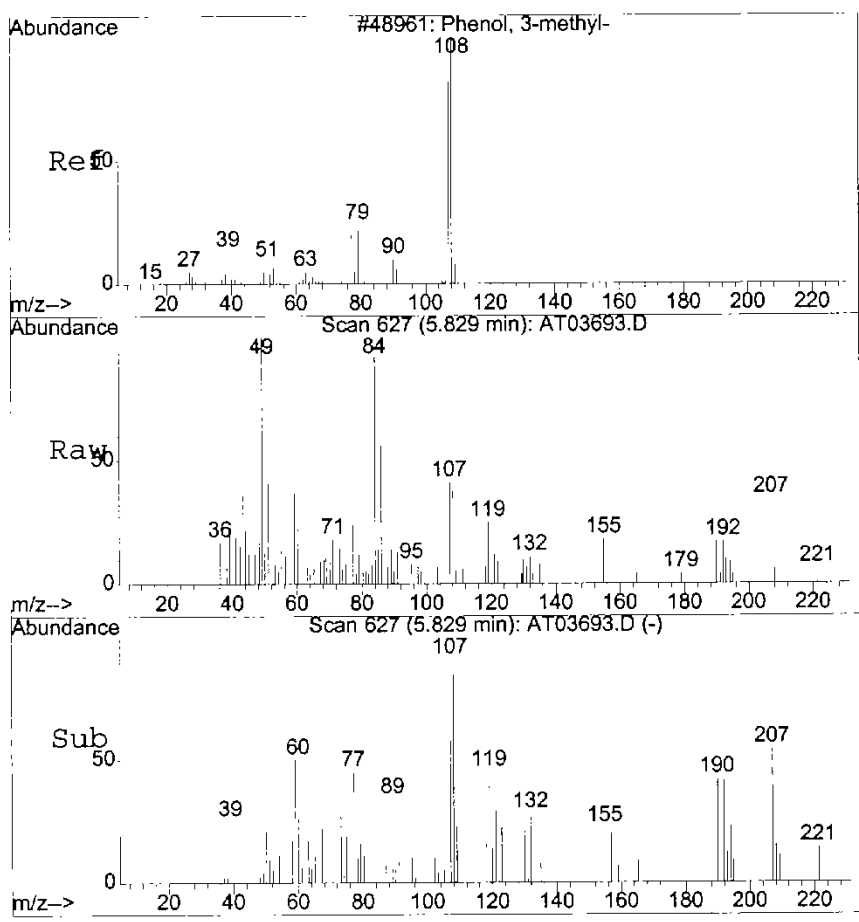


#16
1,2-Dichlorobenzene
Concen: 6.09 ug/L
RT: 5.58 min Scan# 580
Delta R.T. 0.01 min
Lab File: AT03693.D
Acq: 1 Mar 2005 10:09 am

Tgt Ion:146 Resp: 1829

Ion	Ratio	Lower	Upper
146	100		
148	64.2	35.2	95.2
111	55.6	8.7	68.7

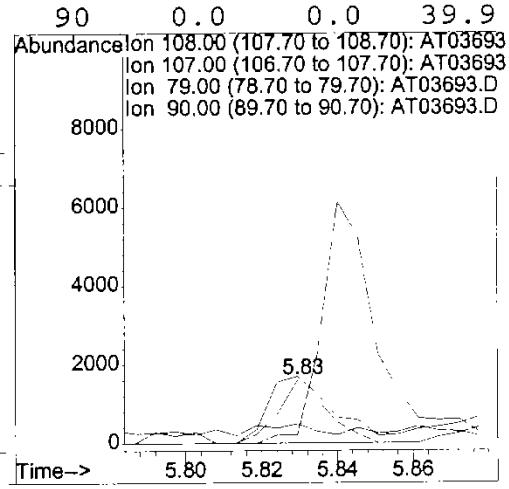


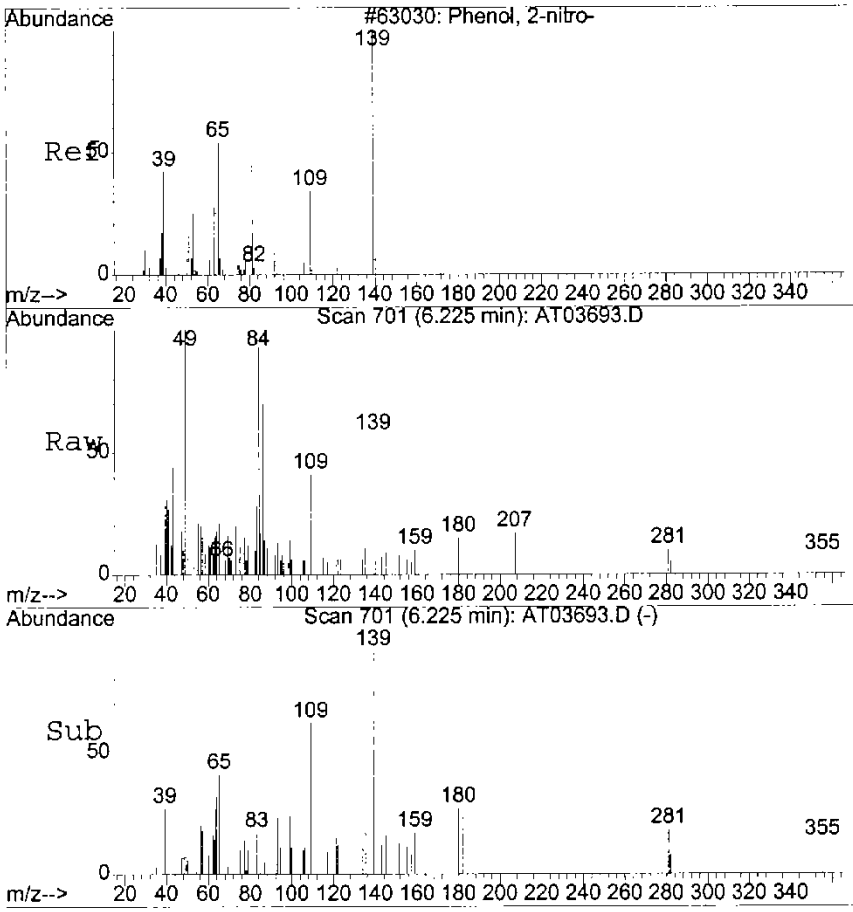


#19
3-&4-Methylphenol
Concen: 32.88 ug/L
RT: 5.83 min Scan# 627
Delta R.T. 0.03 min
Lab File: AT03693.D
Acq: 1 Mar 2005 10:09 am

Tgt Ion:108 Resp: 1411

Ion	Ratio	Lower	Upper
108	100		
107	99.3	75.6	135.6
79	10.8	0.0	55.6
90	0.0	0.0	39.9

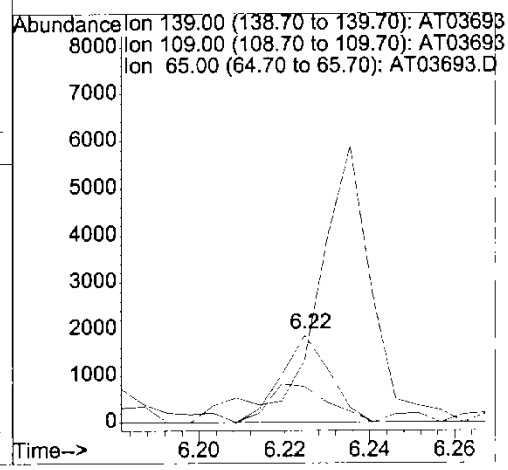


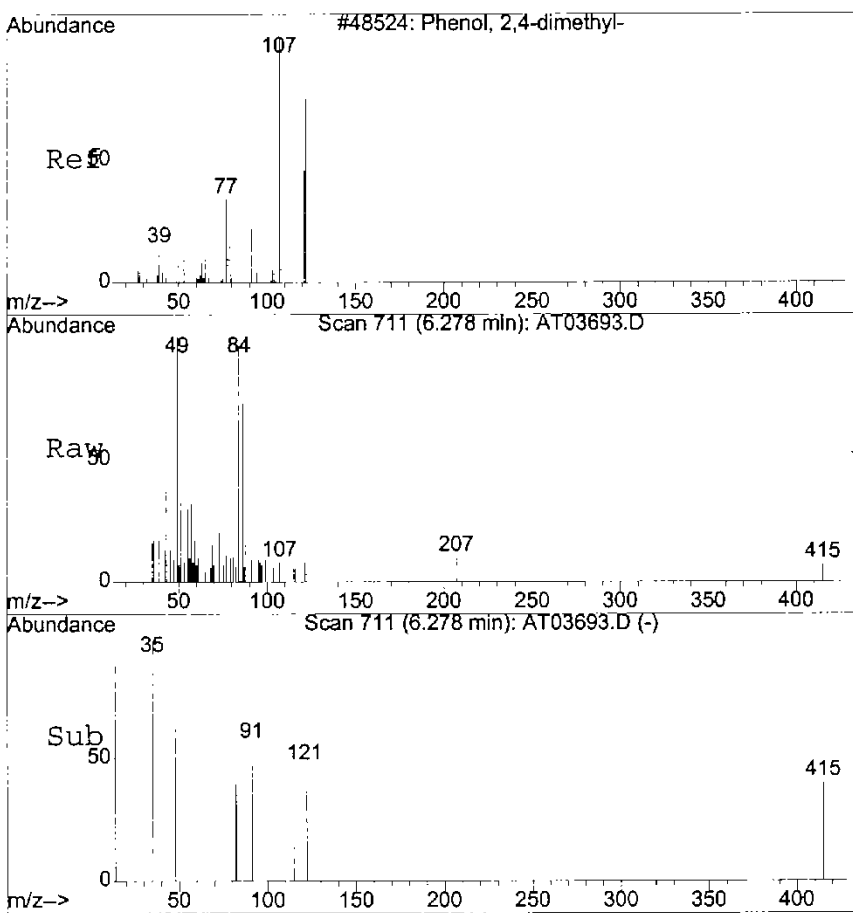


#27
2-Nitrophenol
Concen: 13.27 ug/L
RT: 6.22 min Scan# 701
Delta R.T. -0.01 min
Lab File: AT03693.D
Acq: 1 Mar 2005 10:09 am

Tgt Ion:139 Resp: 1490

Ion	Ratio	Lower	Upper
139	100		
109	48.3	0.0	49.5
65	30.7	4.3	64.3

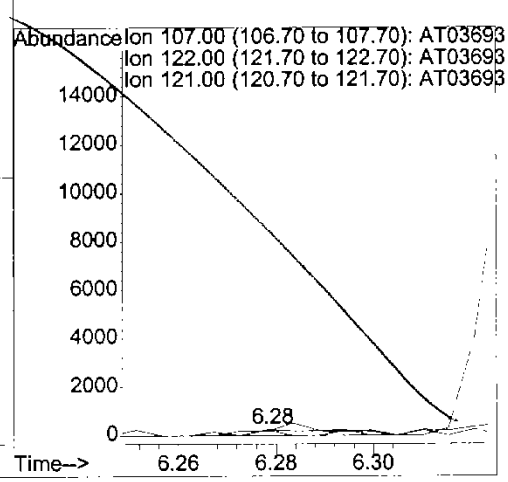




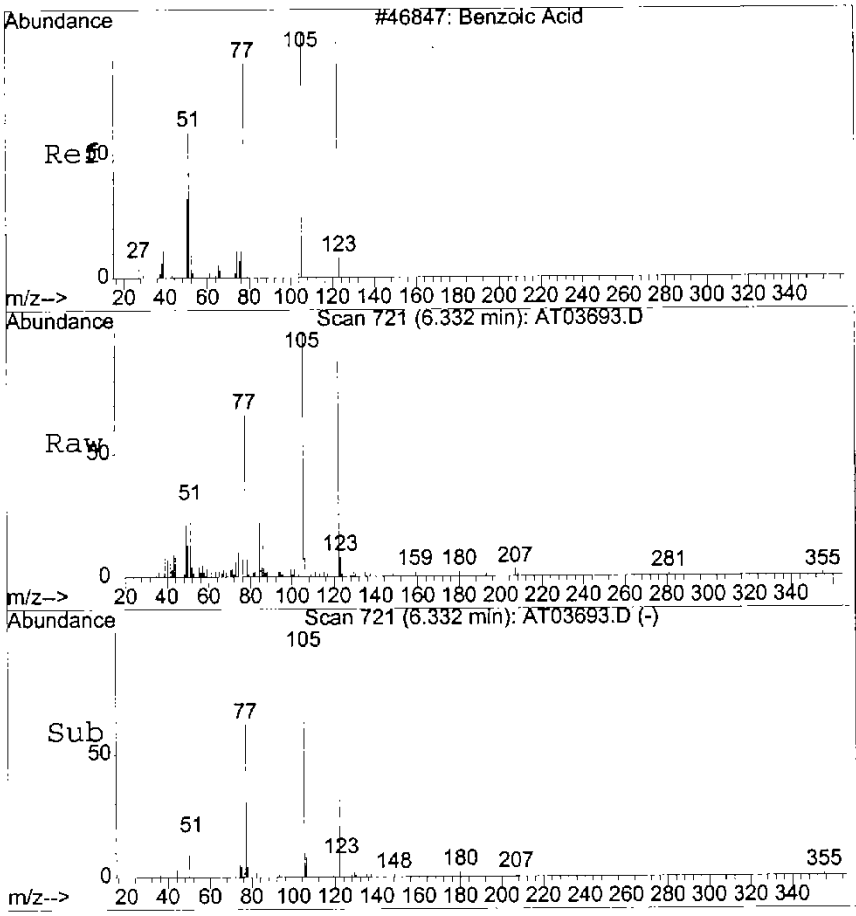
#28
2,4-Dimethylphenol
Concen: 29.11 ug/L
RT: 6.28 min Scan# 711
Delta R.T. -0.00 min
Lab File: AT03693.D
Acq: 1 Mar 2005 10:09 am

Tgt Ion:107 Resp: 313

Ion	Ratio	Lower	Upper
107	100		
122	74.8	55.5	115.5
121	62.0	23.6	83.6



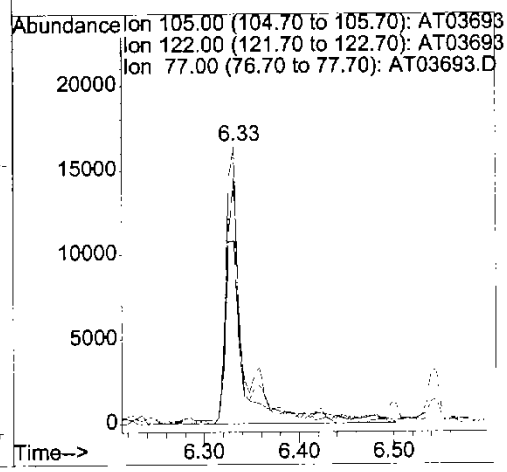
00622

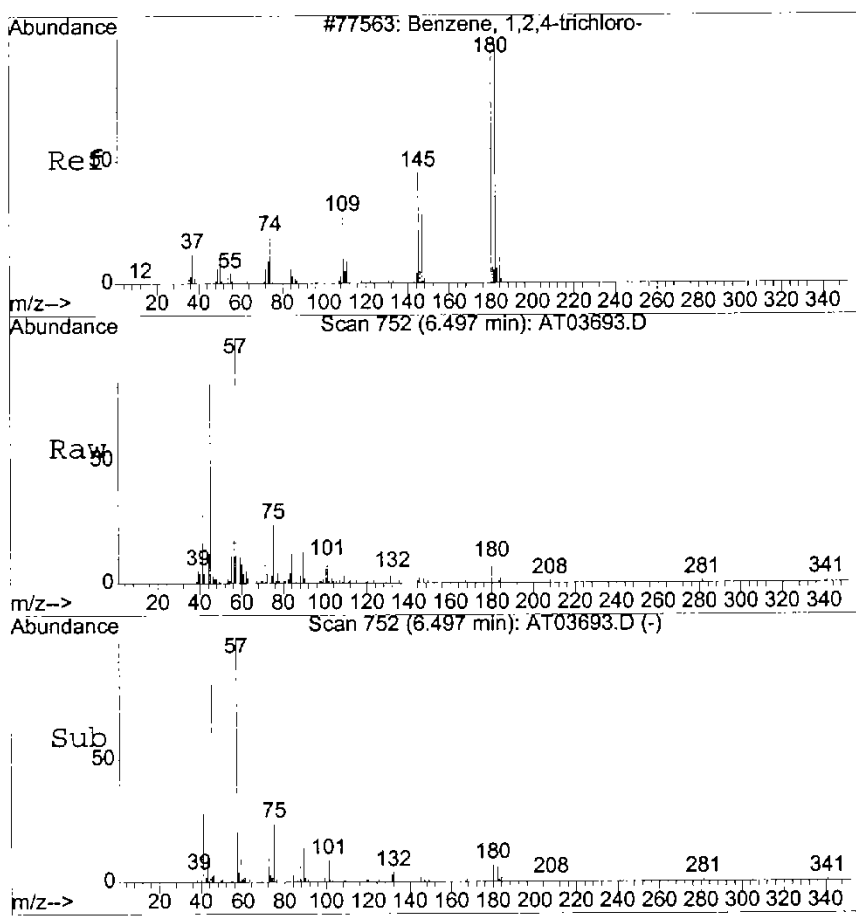


#30
Benzoic Acid
Concen: 535.06 ug/L
RT: 6.33 min Scan# 721
Delta R.T. -0.05 min
Lab File: AT03693.D
Acq: 1 Mar 2005 10:09 am

Tgt Ion:105 Resp: 20839

Ion	Ratio	Lower	Upper
105	100		
122	87.8	58.0	118.0
77	61.9	34.2	94.2

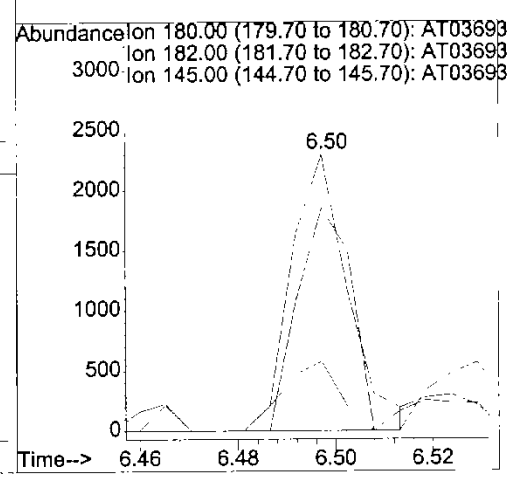




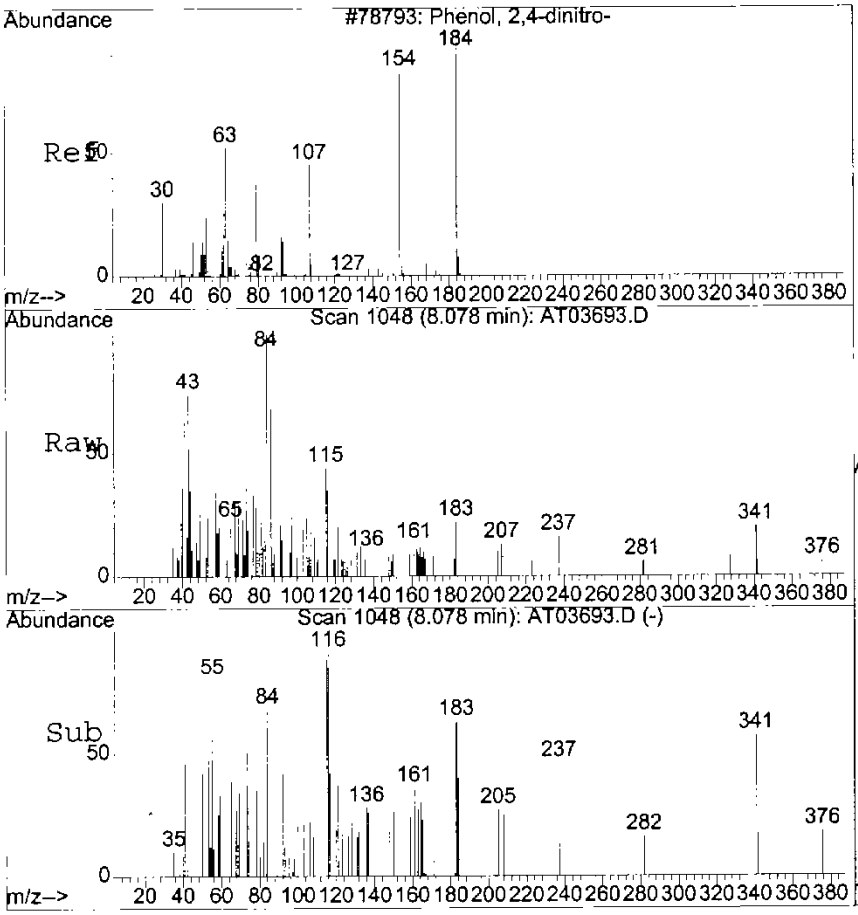
#32
1,2,4-Trichlorobenzene
Concen: 7.38 ug/L
RT: 6.50 min Scan# 752
Delta R.T. -0.00 min
Lab File: AT03693.D
Acq: 1 Mar 2005 10:09 am

Tgt Ion:180 Resp: 1857

Ion	Ratio	Lower	Upper
180	100		
182	80.4	67.2	127.2
145	26.1	0.0	57.2



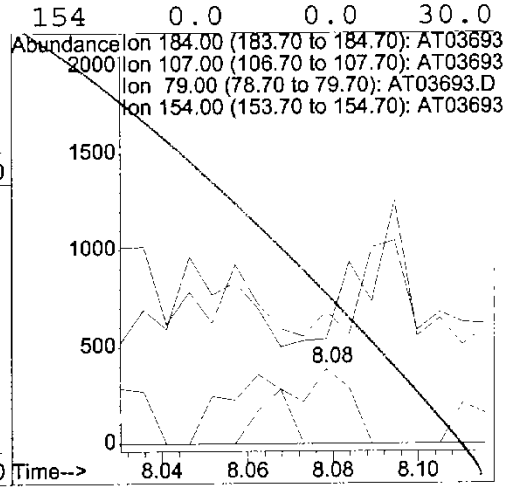
00623

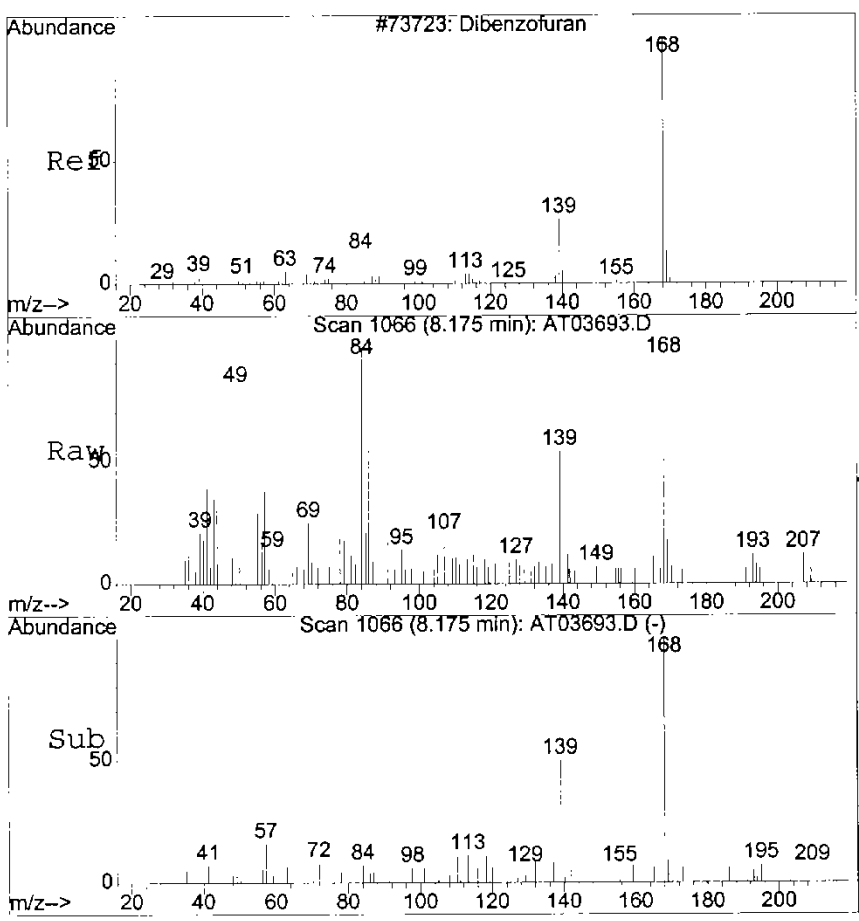


#53
2,4-Dinitrophenol
Concen: 351.34 ug/L
RT: 8.08 min Scan# 1048
Delta R.T. 0.02 min
Lab File: AT03693.D
Acq: 1 Mar 2005 10:09 am

Tgt Ion:184 Resp: 431

Ion	Ratio	Lower	Upper
184	100		
107	0.0	0.0	58.6
79	0.0	0.0	48.2
154	0.0	0.0	30.0

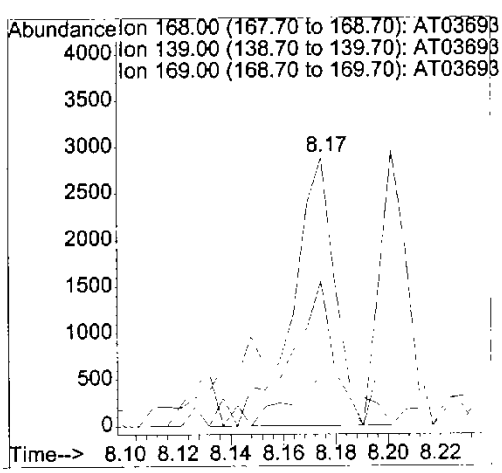


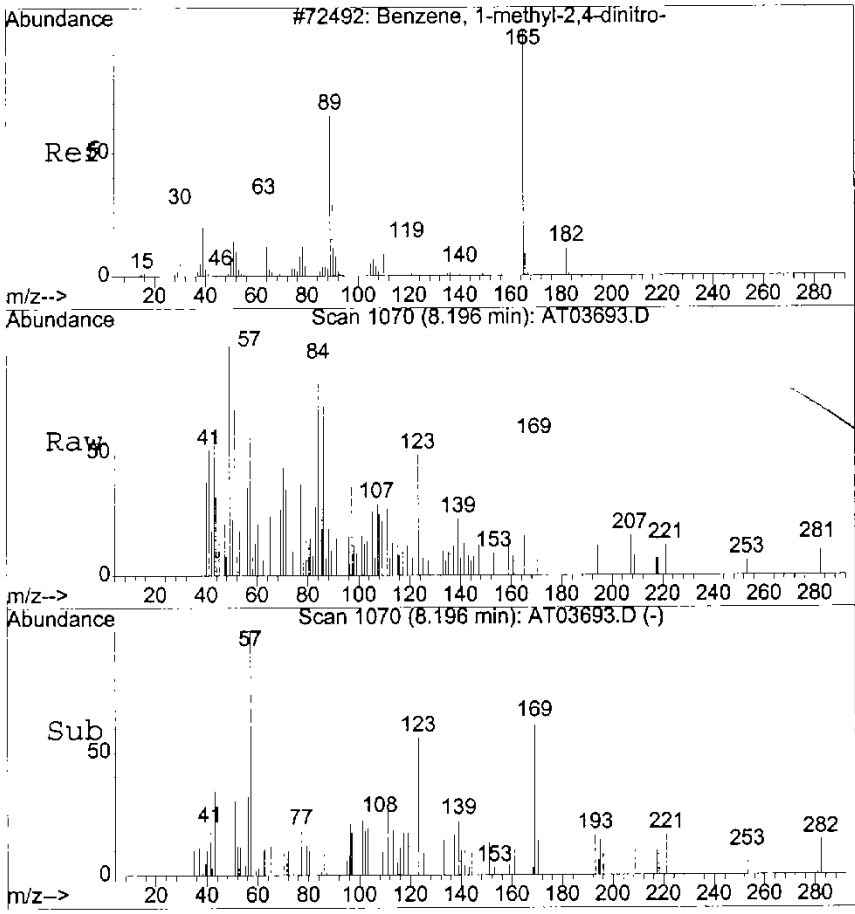


#55
Dibenzofuran
Concen: 5.57 ug/L
RT: 8.17 min Scan# 1066
Delta R.T. 0.00 min
Lab File: AT03693.D
Acq: 1 Mar 2005 10:09 am

Tgt Ion:168 Resp: 3449

Ion	Ratio	Lower	Upper
168	100		
139	35.5	0.6	60.6
169	0.0	0.0	42.8

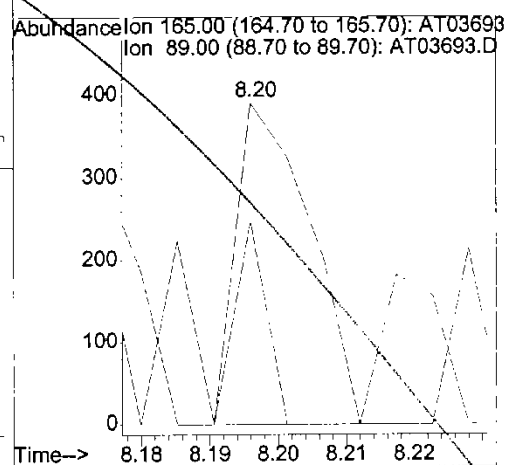


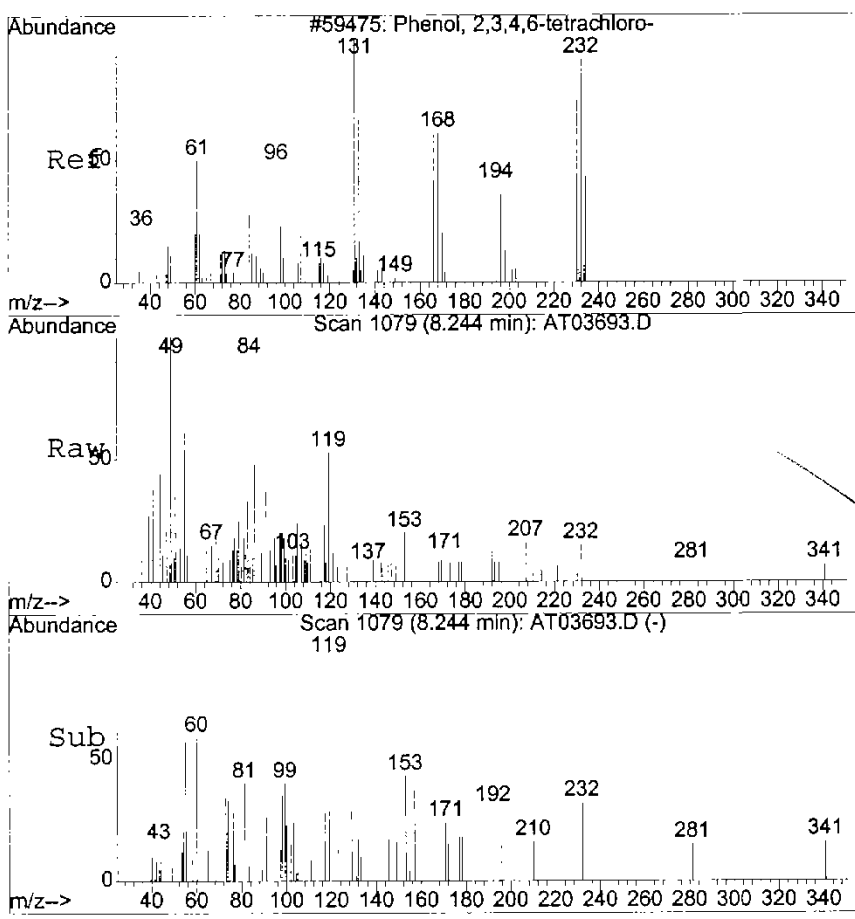


#56
2,4-Dinitrotoluene
Concen: 33.13 ug/L
RT: 8.20 min Scan# 1070
Delta R.T. 0.03 min
Lab File: AT03693.D
Acq: 1 Mar 2005 10:09 am

Tgt Ion:165 Resp: 295

Ion	Ratio	Lower	Upper
165	100		
89	40.2	22.1	82.1

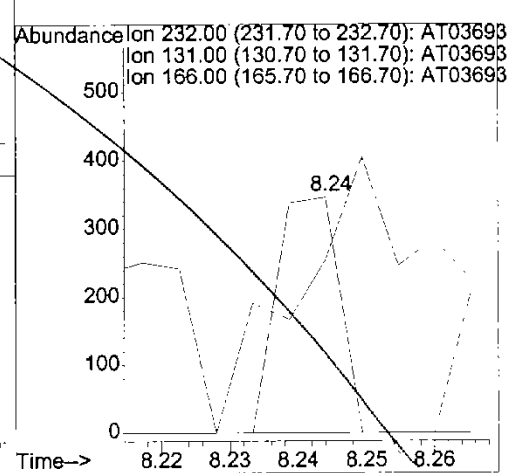




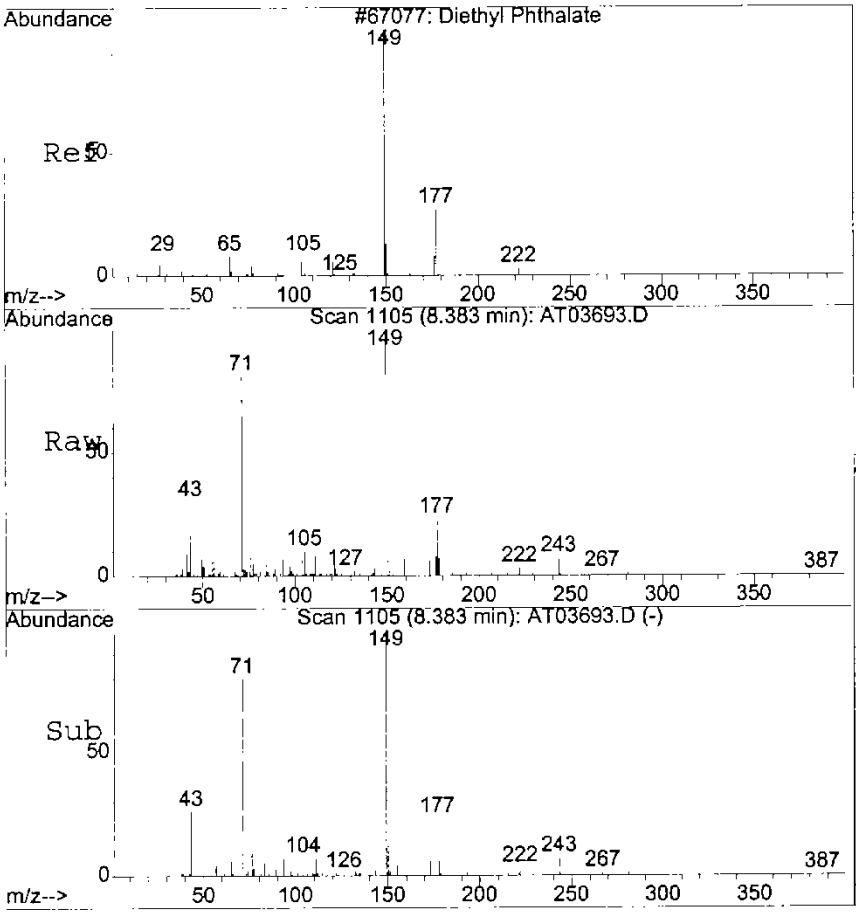
#57
2,3,4,6-Tetrachlorophenol
Concen: 52.67 ug/L
RT: 8.24 min Scan# 1079
Delta R.T. 0.01 min
Lab File: AT03693.D
Acq: 1 Mar 2005 10:09 am

Tgt Ion:232 Resp: 219

Ion	Ratio	Lower	Upper
232	100		
131	38.2	2.5	62.5
166	0.0	0.0	51.5



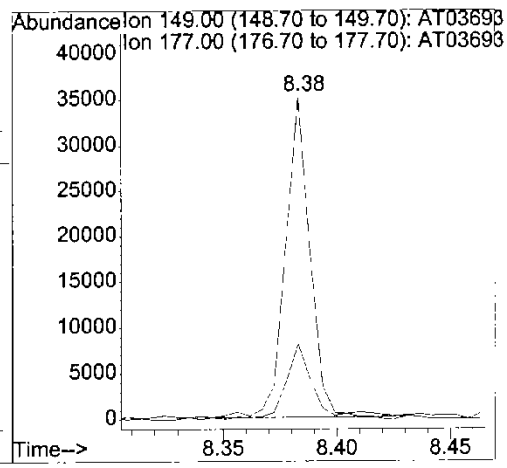
00625

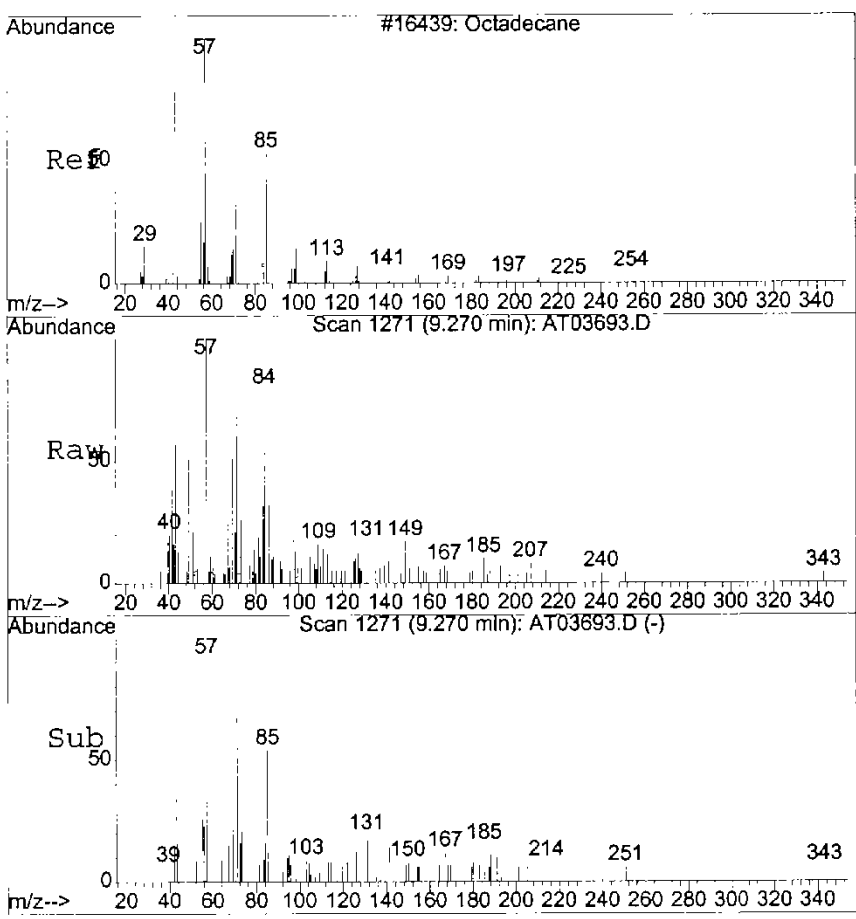


#59
Diethylphthalate
Concen: 52.28 ug/L
RT: 8.38 min Scan# 1105
Delta R.T. 0.01 min
Lab File: AT03693.D
Acq: 1 Mar 2005 10:09 am

Tgt Ion:149 Resp: 26435

Ion	Ratio	Lower	Upper
149	100		
177	23.0	0.0	53.1

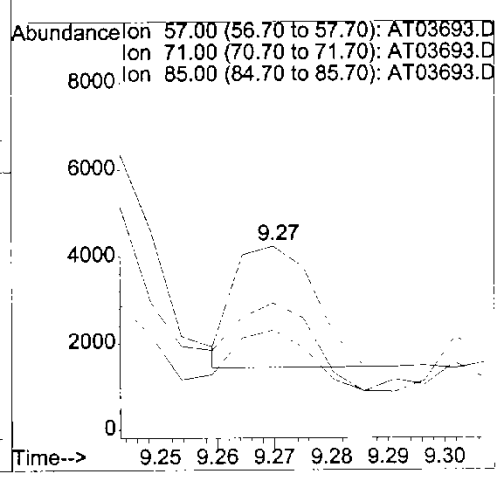


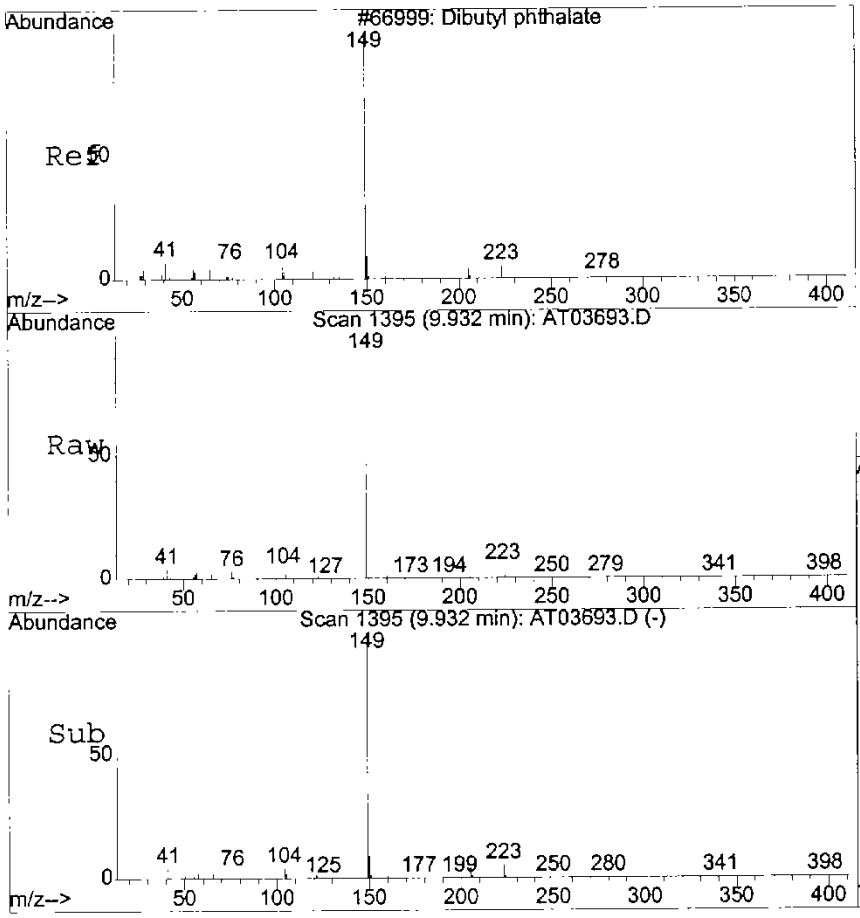


#73
Octadecane
Concen: 12.77 ul/L
RT: 9.27 min Scan# 1271
Delta R.T. 0.03 min
Lab File: AT03693.D
Acq: 1 Mar 2005 10:09 am

Tgt Ion: 57 Resp: 2705

Ion	Ratio	Lower	Upper
57	100		
71	81.8	51.7	96.1
85	53.5	37.4	69.4

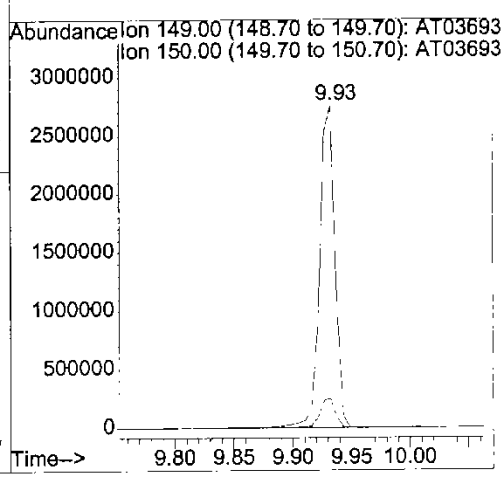


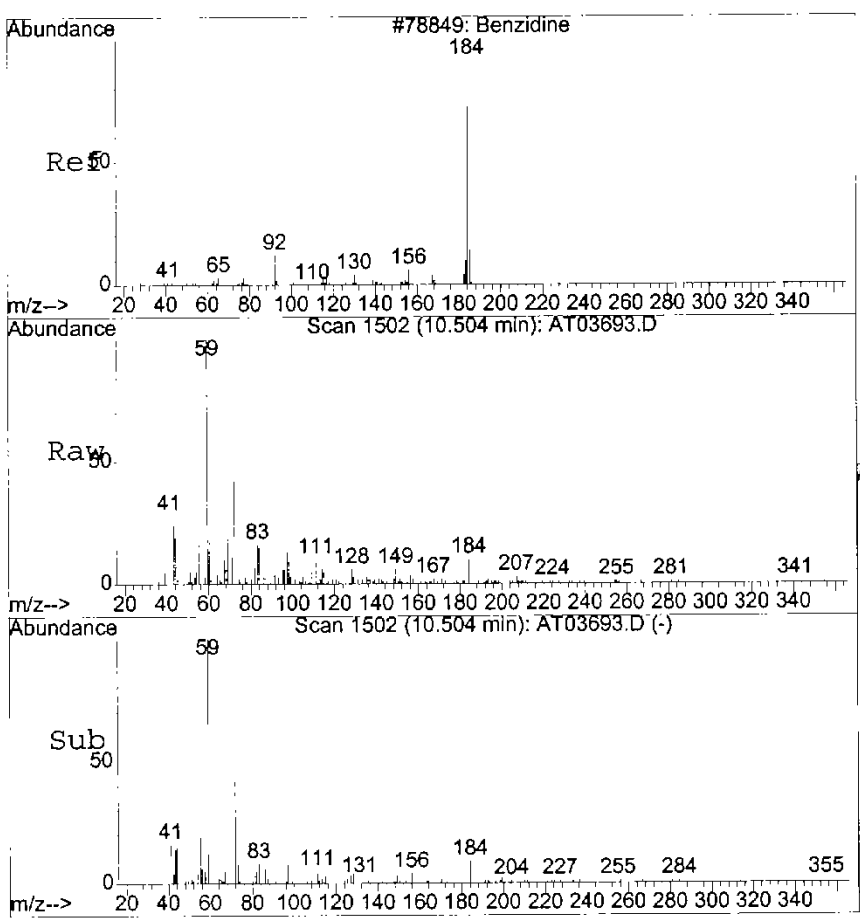


#75
Di-n-butylphthalate
Concen: 3169.14 ug/L
RT: 9.93 min Scan# 1395
Delta R.T. 0.00 min
Lab File: AT03693.D
Acq: 1 Mar 2005 10:09 am

Tgt Ion:149 Resp: 2486167

Ion	Ratio	Lower	Upper
149	100		
150	8.9	0.0	38.8

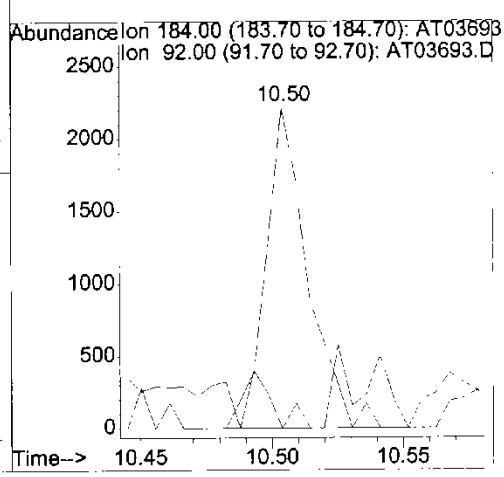


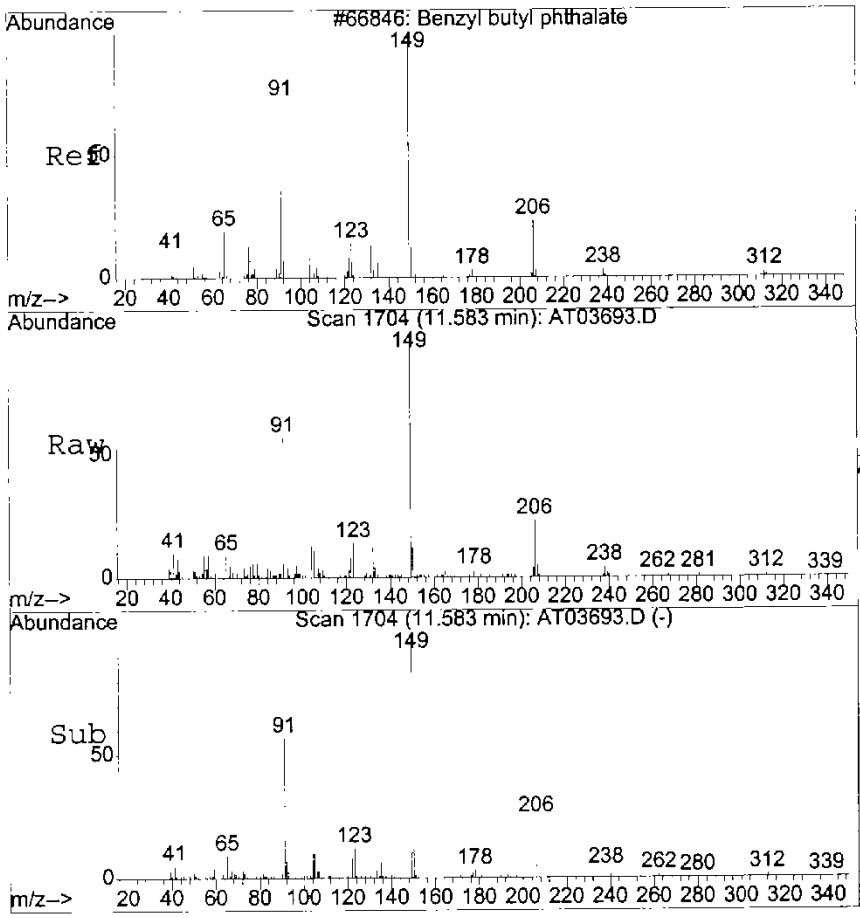


#78
Benzidine
Concen: 23.40 ul/l
RT: 10.50 min Scan# 1502
Delta R.T. -0.21 min
Lab File: AT03693.D
Acq: 1 Mar 2005 10:09 am

Tgt Ion:184 Resp: 2479

Ion	Ratio	Lower	Upper
184	100		
92	10.4	0.0	39.3

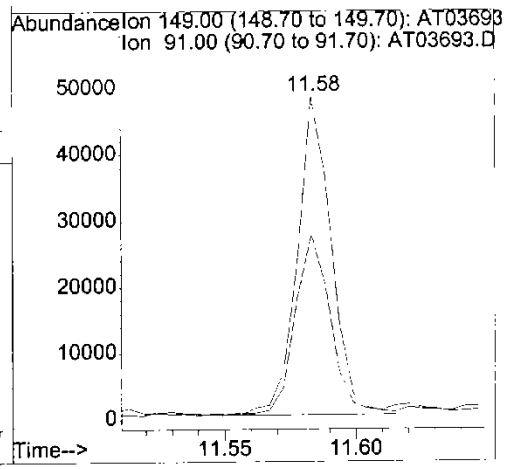


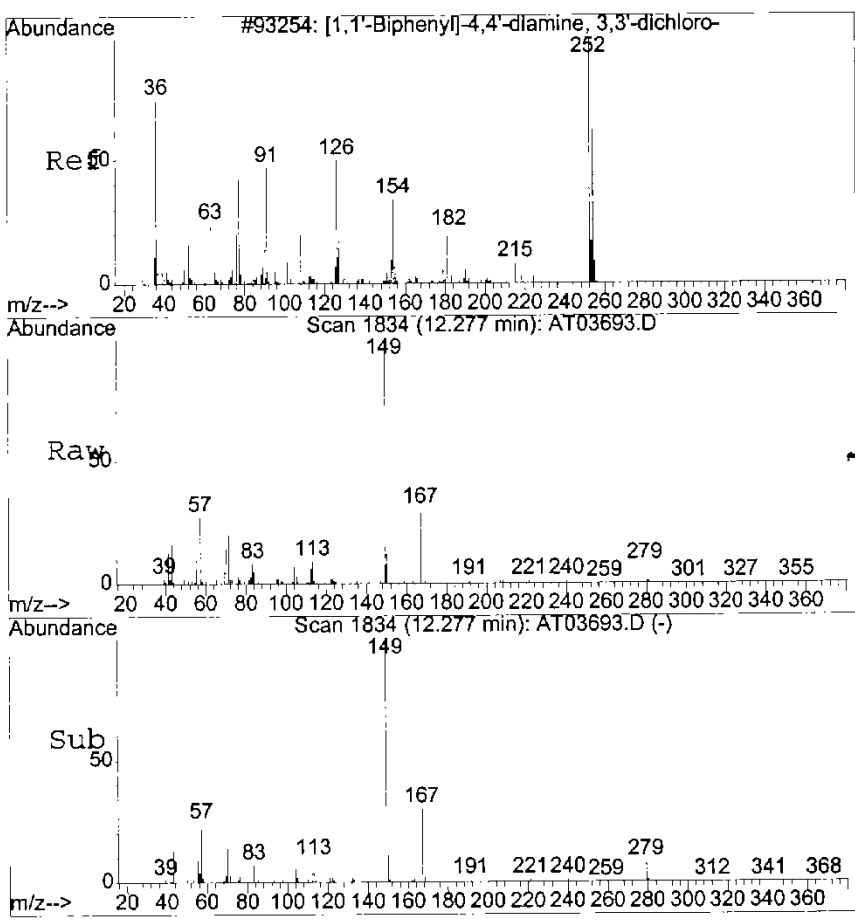


#81
Butylbenzylphthalate
Concen: 201.70 ug/L
RT: 11.58 min Scan# 1704
Delta R.T. 0.00 min
Lab File: AT03693.D
Acq: 1 Mar 2005 10:09 am

Tgt Ion:149 Resp: 43378

Ion	Ratio	Lower	Upper
149	100		
91	55.5	30.6	90.6

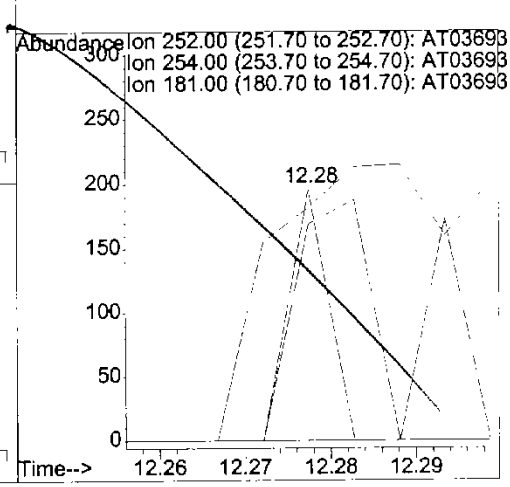


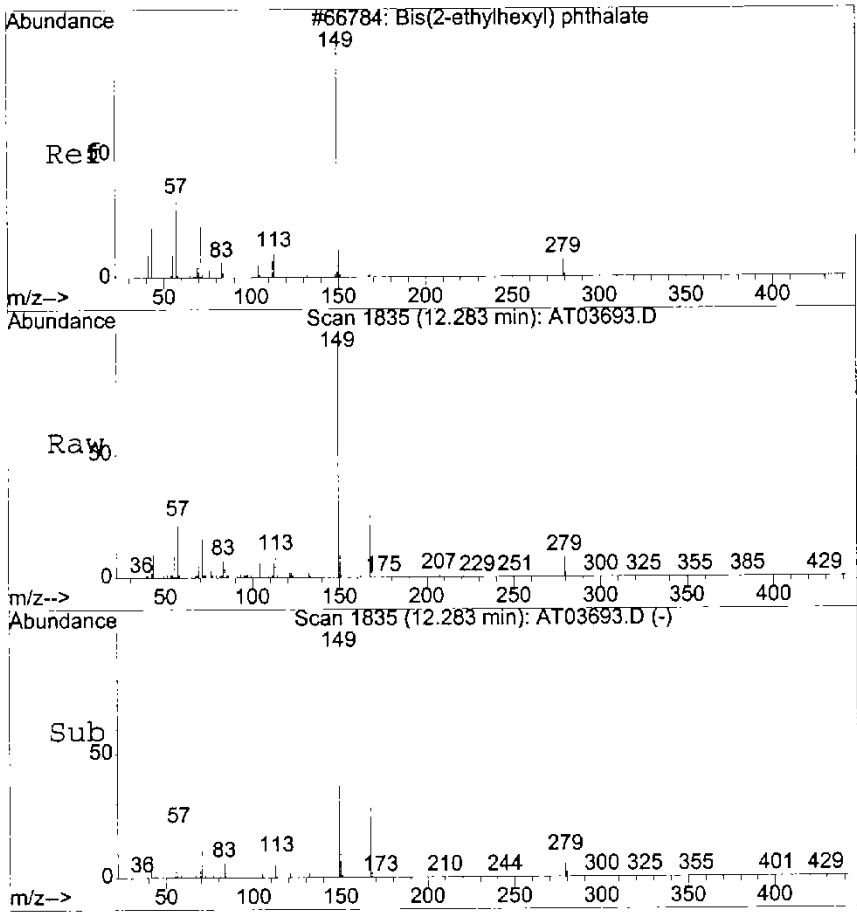


#83
3,3'-Dichlorobenzidine
Concen: 27.72 ug/L
RT: 12.28 min Scan# 1834
Delta R.T. 0.12 min
Lab File: AT03693.D
Acq: 1 Mar 2005 10:09 am

Tgt Ion:252 Resp: 63

Ion	Ratio	Lower	Upper
252	100		
254	86.2	33.6	93.6
181	38.0	0.0	38.3

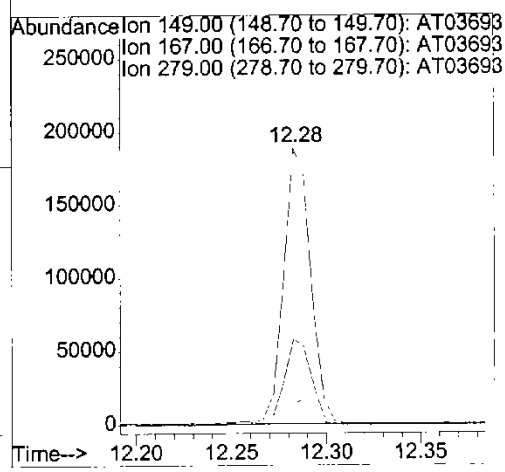


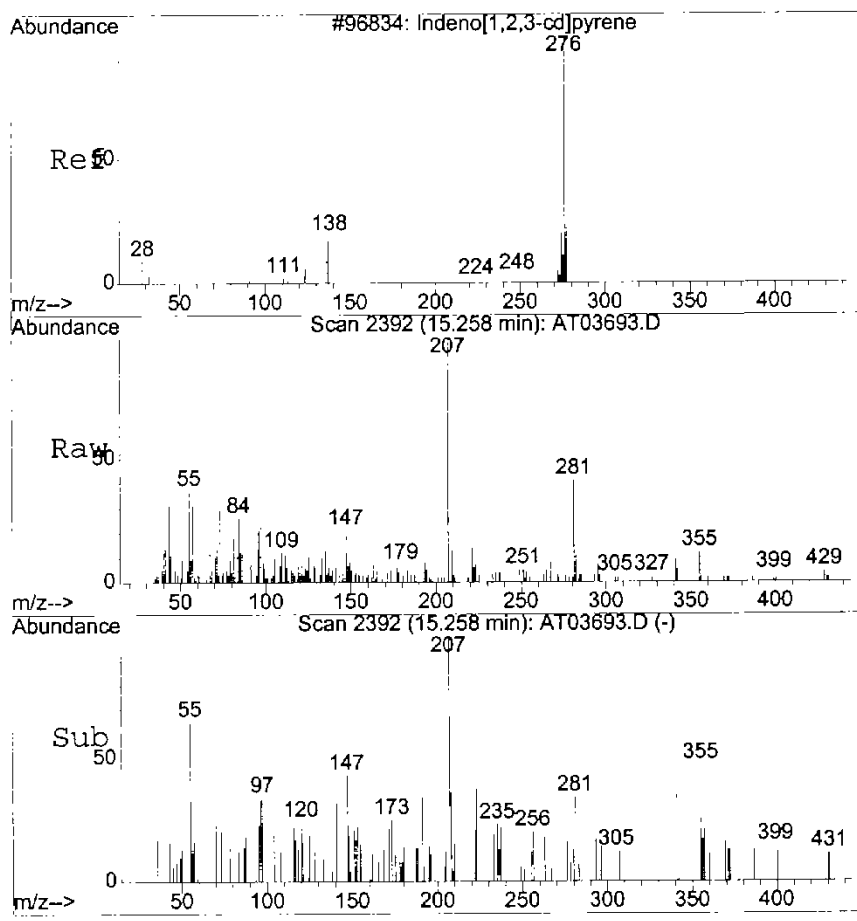


#85
bis(2-Ethylhexyl)phthalate
Concen: 436.44 ug/L
RT: 12.28 min Scan# 1835
Delta R.T. -0.01 min
Lab File: AT03693.D
Acq: 1 Mar 2005 10:09 am

Tgt Ion:149 Resp: 184665

Ion	Ratio	Lower	Upper
149	100		
167	30.8	2.4	62.4
279	7.5	0.0	39.8

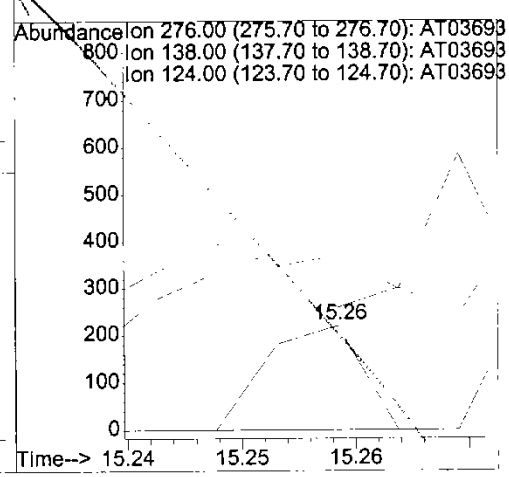


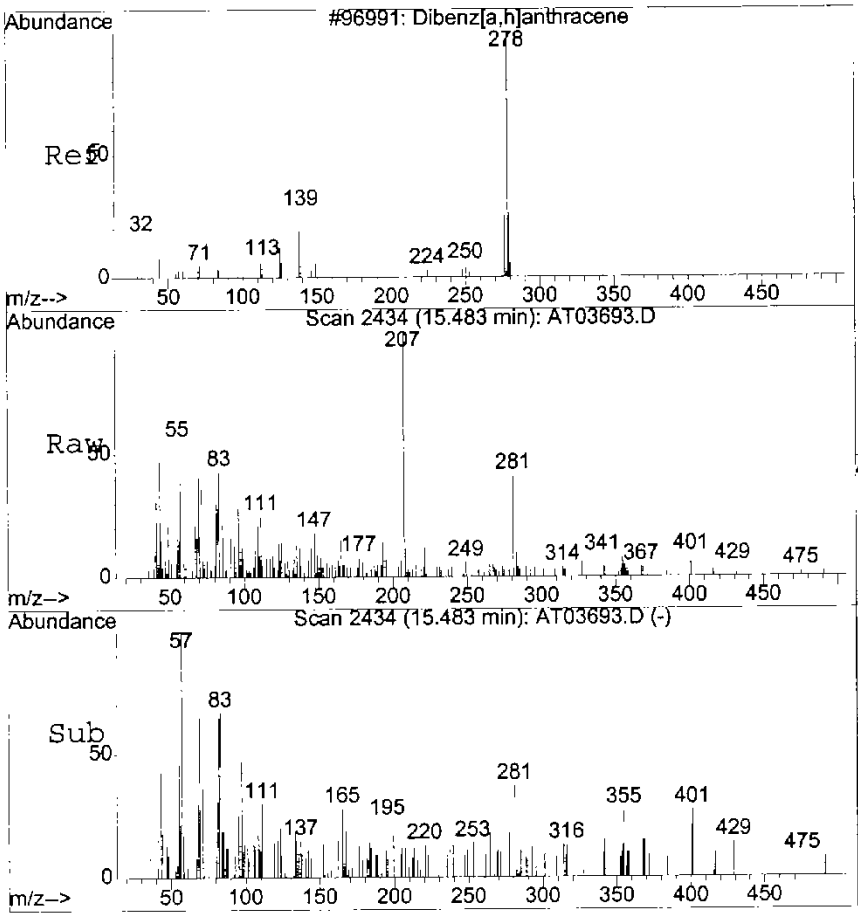


#92
Indeno(1,2,3-cd)pyrene
Concen: 19.53 ug/L
RT: 15.26 min Scan# 2392
Delta R.T. -0.04 min
Lab File: AT03693.D
Acq: 1 Mar 2005 10:09 am

Tgt Ion:276 Resp: 129

Ion	Ratio	Lower	Upper
276	100		
138	0.0	0.0	51.8
124	10.2	0.0	35.4

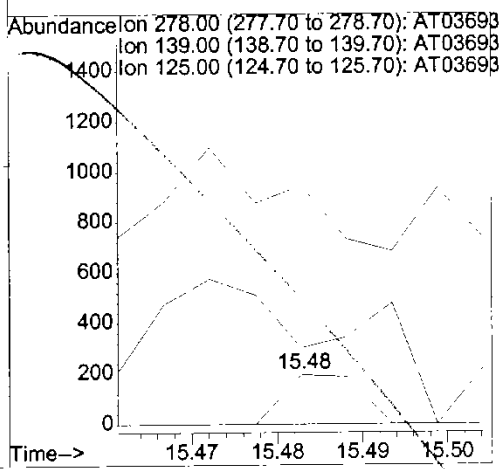




#93
Dibenz(a,h)anthracene
Concen: 12.82 ug/L
RT: 15.49 min Scan# 2434
Delta R.T. 0.14 min
Lab File: AT03693.D
Acq: 1 Mar 2005 10:09 am

Tgt Ion:278 Resp: 122

Ion	Ratio	Lower	Upper
278	100		
139	0.0	0.0	46.7
125	28.1	0.0	35.8



Quantitation Report (Not Reviewed)

Data File : H:\DATA\030105_A\AT03700.D
Acq On : 1 Mar 2005 1:42 pm
Sample : 126377-7 &1
Misc :
MS Integration Params: Rteint.p
Quant Time: Mar 02 08:32:47 2005

Vial: 14
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: 8270_022505.RES

Quant Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Feb 28 14:16:48 2005
Response via : Initial Calibration
DataAcq Meth : 8270EXT

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4 (I)	5.43	152	271945	1000.000 ug/L	0.00
23) Naphthalene - d8 (I)	6.54	136	1035789	1000.000 ug/L	0.00
39) Acenaphthene - d10 (I)	8.00	162	536399	1000.000 ug/L	0.00
63) Phenanthrene - d10 (I)	9.31	188	955642	1000.000 ug/L	0.00
80) Chrysene - d12 (I)	12.17	240	893718	1000.000 ul/l	0.00
86) Perylene - d12 (I)	13.79	264	889526	1000.000 ug/L	0.01
System Monitoring Compounds					
4) 2 - Fluorophenol (S)	4.15	112	109226	479.70 ug/L	0.00
8) Phenol - d5 (S)	5.13	99	167720	654.44 ug/L	0.00
24) Nitrobenzene - d5 (S)	5.93	82	56252	264.87 ug/L	0.00
44) 2 - Fluorobiphenyl (S)	7.45	172	149676	258.61 ug/L	0.00
66) 2,4,6 - Tribromophenol (S)	8.67	330	79844	853.72 ug/L	0.00
79) p - Terphenyl - d14 (S)	11.00	244	417213	721.08 ug/L	0.00
Target Compounds					Qvalue
3) Pyridine	2.60	79	6683	203.865 ug/L	76
5) Cyclohexanone	4.42	55	2464	13.812 ul/L	82
6) Benzaldehyde	5.03	105	59164	287.344 ul/L	96
9) Phenol	5.15	94	26837	98.212 ug/L	80
10) bis(2-Chloroethyl)ether	5.15	93	6092	22.627 ug/L	68
15) Benzyl alcohol	5.58	79	18596	131.517 ug/L	93
19) 3-&4-Methylphenol	5.83	108	12258	79.487 ug/L	89
26) Isophorone	6.17	82	2314	5.417 ug/L	94
30) Benzoic Acid	6.36	105	94129	1156.569 ug/L	96
33) Naphthalene	6.56	128	17369	21.727 ug/L	95
37) 2-Methylnaphthalene	7.14	141	7429	17.540 ug/L	70
41) 2,3-Dichloroaniline	7.40	161	1556	6.718 ul/L	96
46) Biphenyl	7.53	154	5046	8.392 ul/L	93
48) Dimethylphthalate	7.80	163	33074	65.660 ug/L	92
49) Acenaphthylene	7.89	152	64371	87.015 ug/L	98
51) 3-Nitroaniline	7.98	138	1047	Below Cal #	8
52) Acenaphthene	8.03	153	11670	23.974 ug/L	86
53) 2,4-Dinitrophenol	8.05	184	420	350.732 ug/L	51
55) Dibenzofuran	8.17	168	17474	26.795 ug/L	93
59) Diethylphthalate	8.38	149	37072	69.587 ug/L	99
60) Fluorene	8.46	166	32601	64.959 ug/L	85
62) 4-Nitroaniline	8.54	138	428	5.966 ug/L	63
70) Pentachlorophenol	9.14	266	2424	28.117 ug/L	75
71) Phenanthrene	9.33	178	247529	317.701 ug/L	99
72) Anthracene	9.38	178	150854	213.480 ug/L	99
73) Octadecane	9.24	57	46190	204.287 ul/L	85

(#) = qualifier out of range (m) = manual integration

009631

Quantitation Report (Not Reviewed)

Data File : H:\DATA\030105_A\AT03700.D
Acq On : 1 Mar 2005 1:42 pm
Sample : 126377-7 &1
Misc :
MS Integration Params: Rteint.p
Quant Time: Mar 02 08:32:47 2005

Vial: 14
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00

Quant Results File: 8270_022505.RES

Quant Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Feb 28 14:16:48 2005
Response via : Initial Calibration
DataAcq Meth : 8270EXT

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
74)	Carbazole	9.55	167	39032	81.593	ug/L	96
75)	Di-n-butylphthalate	9.93	149	3480369	4155.645	ug/L	99
76)	Fluoranthene	10.55	202	368138	462.951	ug/L	99
77)	Pyrene	10.79	202	379012	459.521	ug/L	94
78)	Benzidine	10.78	184	1568	13.865	ul/l	61
81)	Butylbenzylphthalate	11.59	149	93467	356.236	ug/L	93
82)	Benzo(a)anthracene	12.16	228	596556	918.864	ug/L	73
83)	3,3'-Dichlorobenzidine	12.05	252	463	29.866	ug/L	68
84)	Chrysene	12.20	228	3267618	4828.708	ug/L	97
85)	bis(2-Ethylhexyl)phthalate	12.29	149	366404	873.818	ug/L	99
87)	Di-n-octylphthalate	12.96	149	13210	19.164	ug/L	64
88)	Benzo(b)fluoranthene	13.36	252	1021819	1321.948	ul/l	97
89)	benzo(k)fluoranthene	13.38	252	382195	559.797	ul/l	97
90)	Benzofluoranthenes	13.37	252	1515042	2190.687	ug/L	95
91)	Benzo(a)pyrene	13.73	252	481571	812.161	ug/L	99
92)	Indeno(1,2,3-cd)pyrene	15.33	276	265861	422.470	ug/L	90
93)	Dibenz(a,h)anthracene	15.37	278	62731	102.365	ug/L	91
94)	Benzo(g,h,i)perylene	15.70	276	242796	366.621	ug/L	95

(#) = qualifier out of range (m) = manual integration

00632

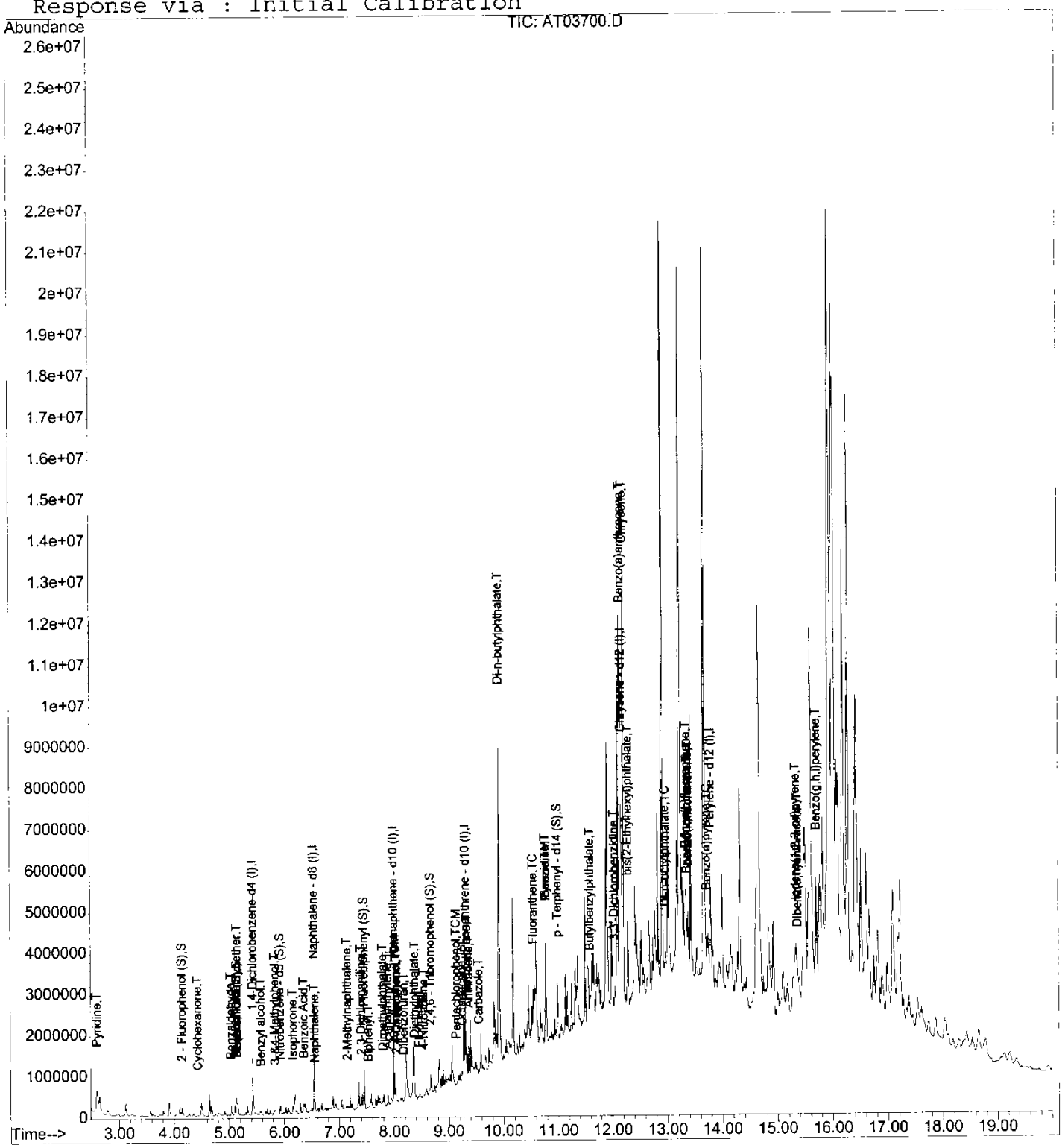
Quantitation Report (Not Reviewed)

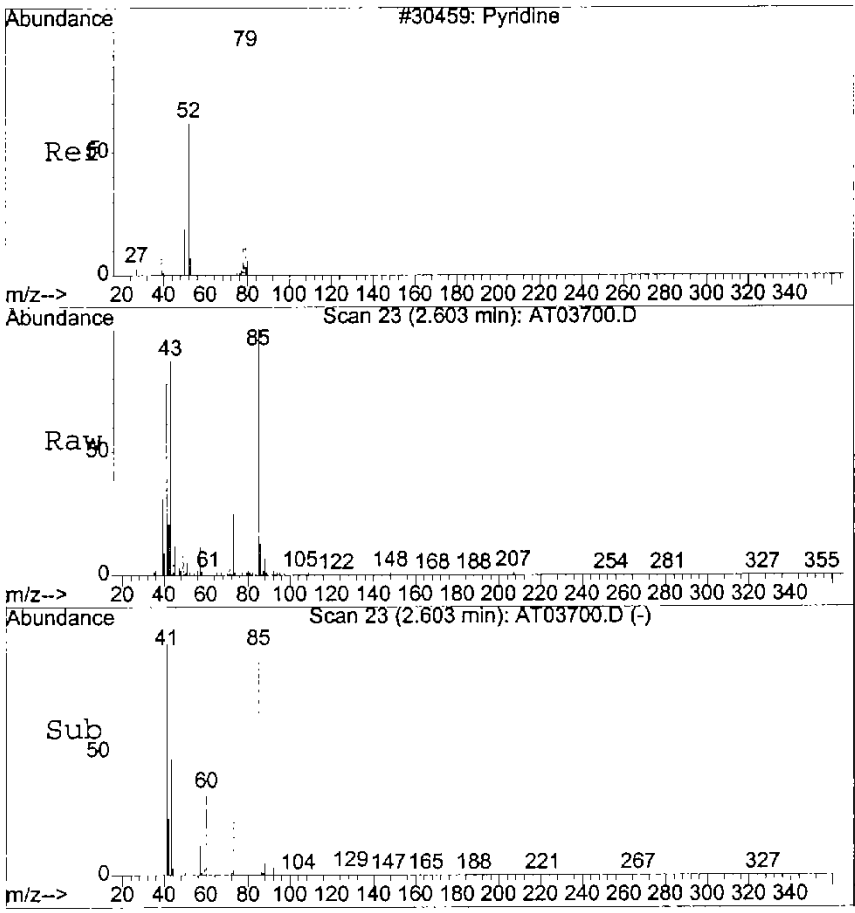
Data File : H:\DATA\030105_A\AT03700.D
Acq On : 1 Mar 2005 1:42 pm
Sample : 126377-7 &1
Misc :
MS Integration Params: Rteint.p
Quant Time: Mar 2 8:34 2005

Vial: 14
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00

Quant Results File: 8270_022505.

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Feb 28 14:16:48 2005
Response via : Initial Calibration

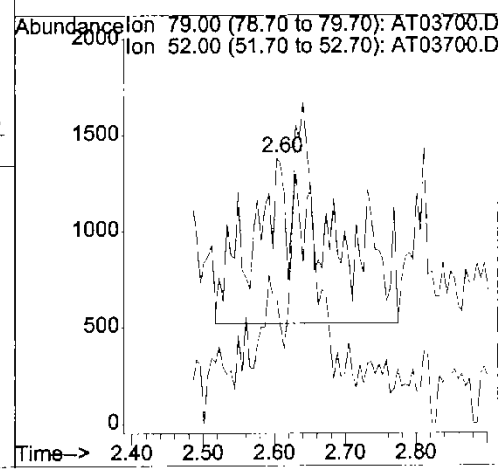


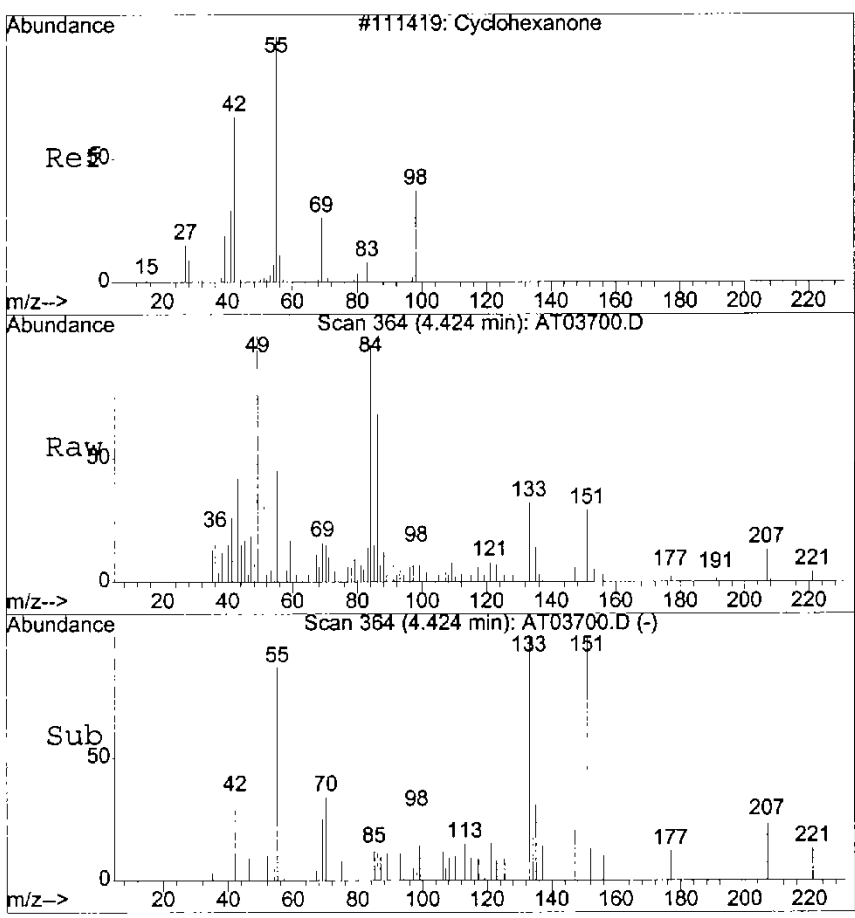


#3
Pyridine
Concen: 203.86 ug/L
RT: 2.60 min Scan# 23
Delta R.T. 0.05 min
Lab File: AT03700.D
Acq: 1 Mar 2005 1:42 pm

Tgt Ion: 79 Resp: 6683

Ion	Ratio	Lower	Upper
79	100		
52	41.8	29.7	89.7

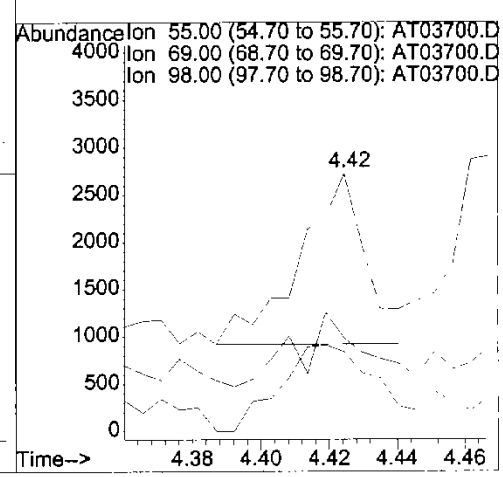




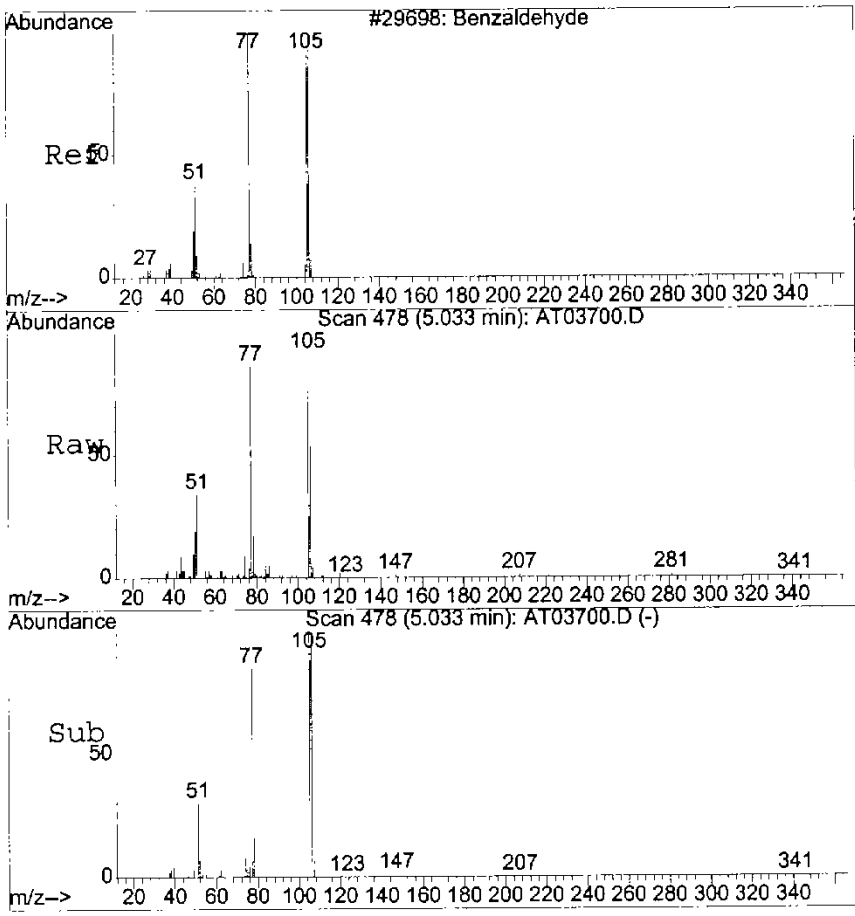
#5
Cyclohexanone
Concen: 13.81 ul/L
RT: 4.42 min Scan# 364
Delta R.T. -0.05 min
Lab File: AT03700.D
Acq: 1 Mar 2005 1:42 pm

Tgt Ion: 55 Resp: 2464

Ion	Ratio	Lower	Upper
55	100		
69	21.9	4.6	64.6
98	43.6	24.8	84.8



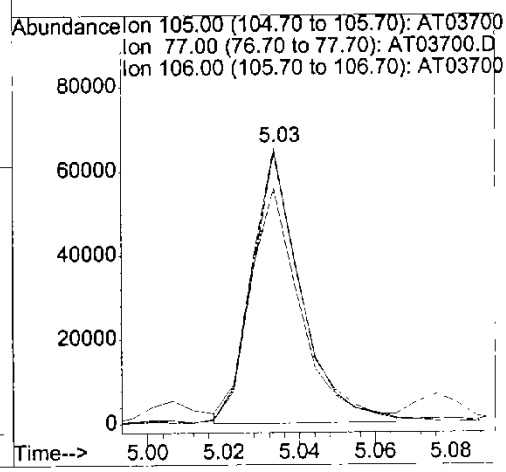
000634

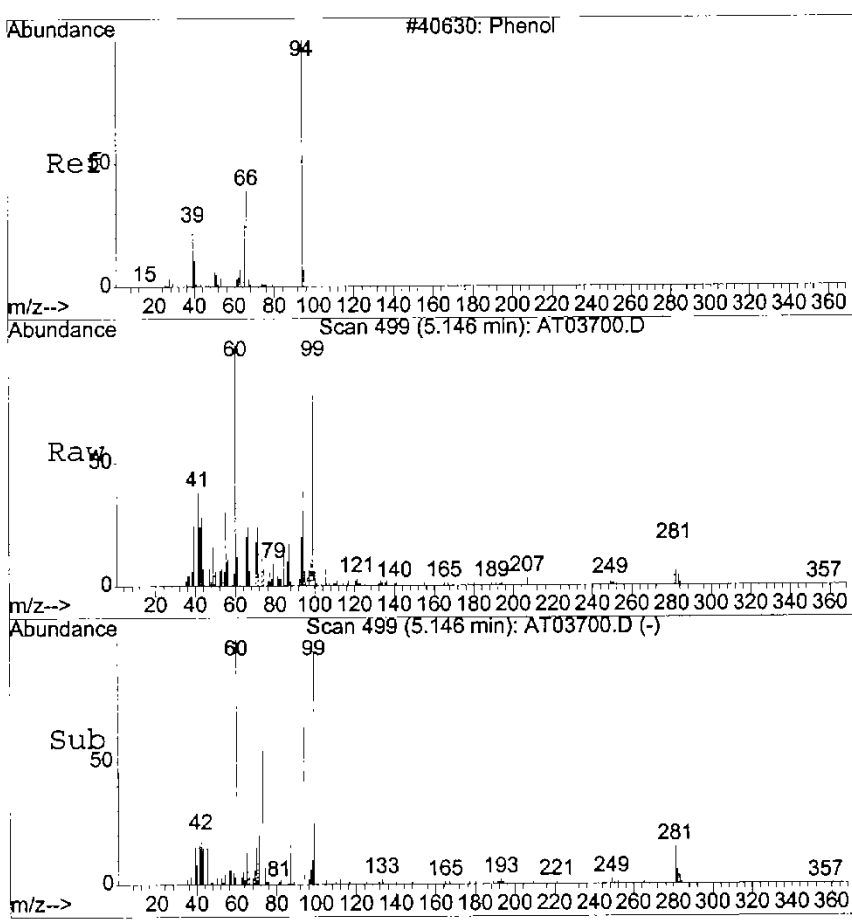


#6
Benzaldehyde
Concen: 287.34 ul/L
RT: 5.03 min Scan# 478
Delta R.T. -0.02 min
Lab File: AT03700.D
Acq: 1 Mar 2005 1:42 pm

Tgt Ion:105 Resp: 59164

Ion	Ratio	Lower	Upper
105	100		
77	87.5	63.9	123.9
106	101.2	72.0	132.0

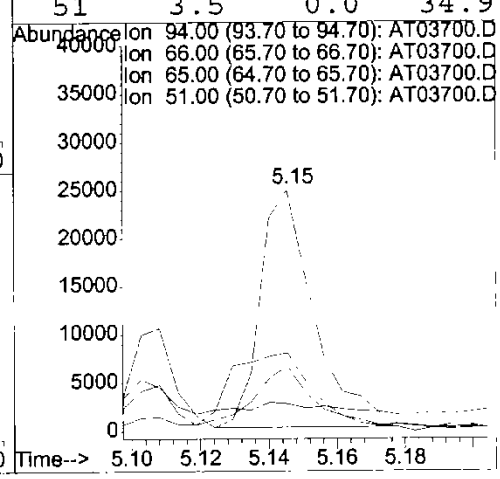




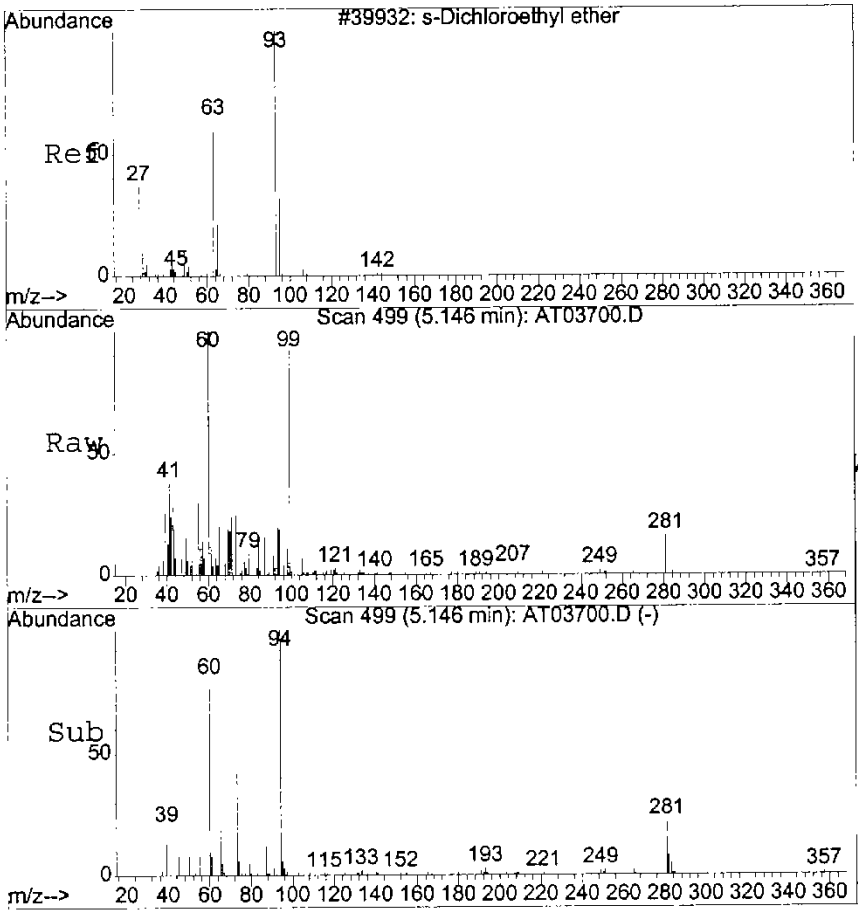
#9
Phenol
Concen: 98.21 ug/L
RT: 5.15 min Scan# 499
Delta R.T. -0.00 min
Lab File: AT03700.D
Acq: 1 Mar 2005 1:42 pm

Tgt Ion: 94 Resp: 26837

Ion	Ratio	Lower	Upper
94	100		
66	27.8	14.1	74.1
65	23.3	1.3	61.3
51	3.5	0.0	34.9



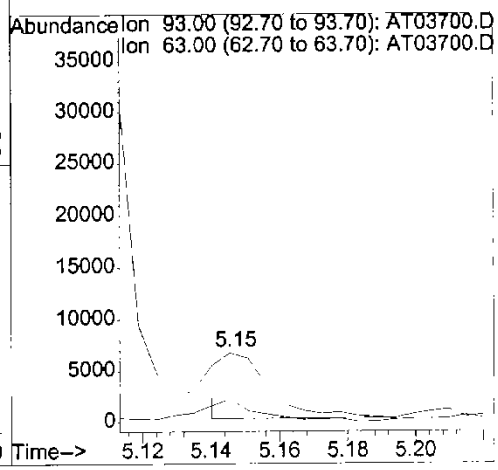
00635

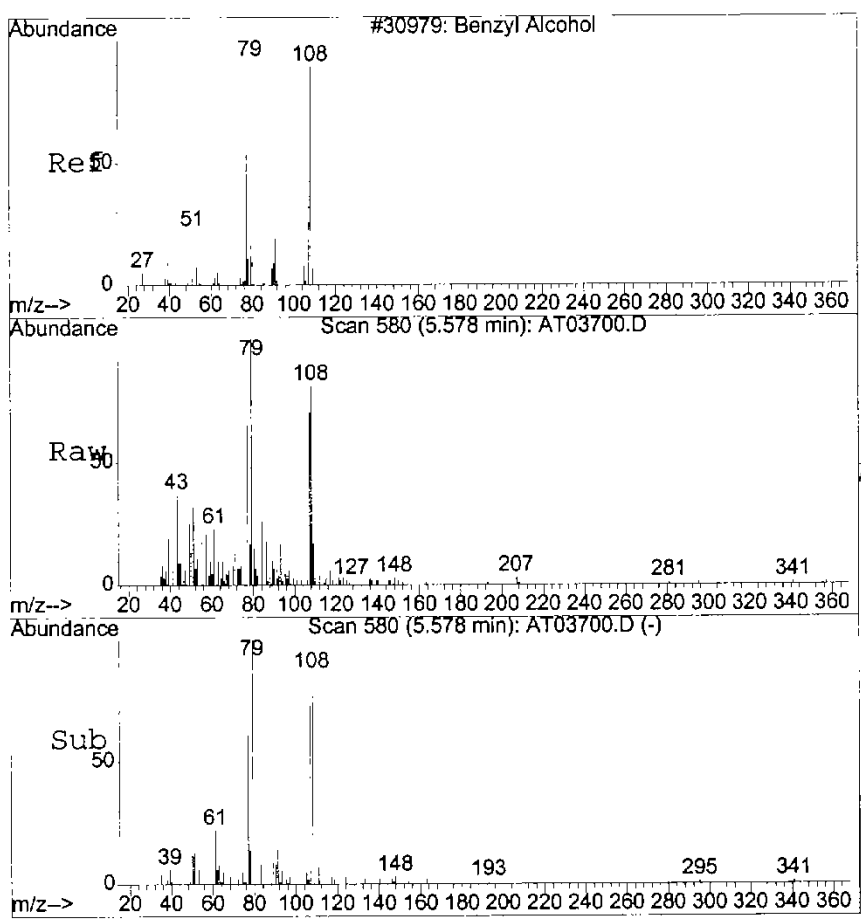


#10
bis(2-Chloroethyl)ether
Concen: 22.63 ug/L
RT: 5.15 min Scan# 499
Delta R.T. -0.08 min
Lab File: AT03700.D
Acq: 1 Mar 2005 1:42 pm

Tgt Ion: 93 Resp: 6092

Ion	Ratio	Lower	Upper
93	100		
63	35.6	29.8	89.8

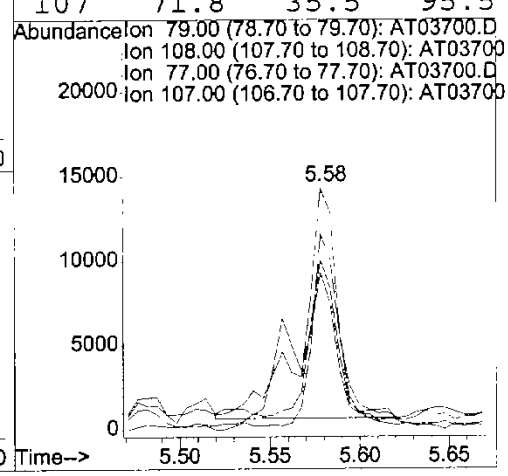




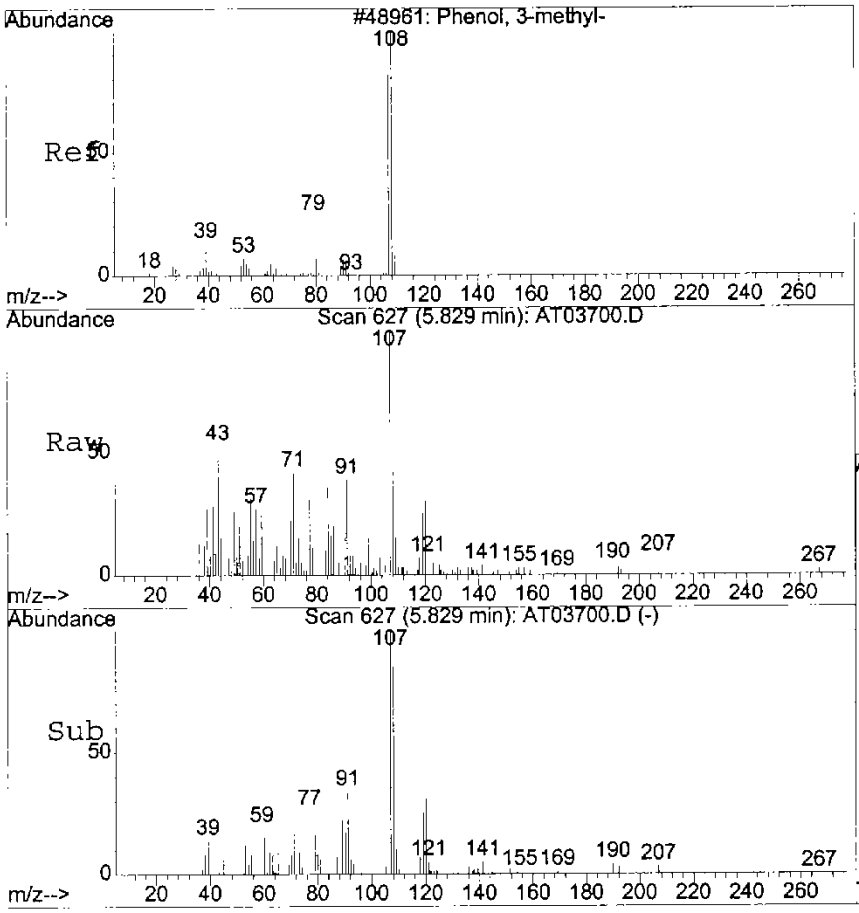
#15
Benzyl alcohol
Concen: 131.52 ug/L
RT: 5.58 min Scan# 580
Delta R.T. 0.01 min
Lab File: AT03700.D
Acq: 1 Mar 2005 1:42 pm

Tgt Ion: 79 Resp: 18596

Ion	Ratio	Lower	Upper
79	100		
108	85.1	62.2	122.2
77	63.2	29.8	89.8
107	71.8	35.5	95.5



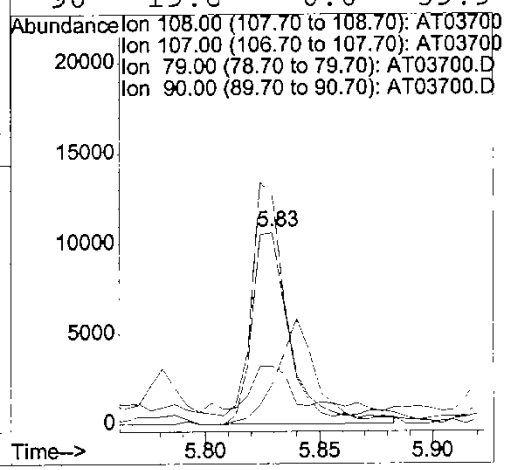
000636

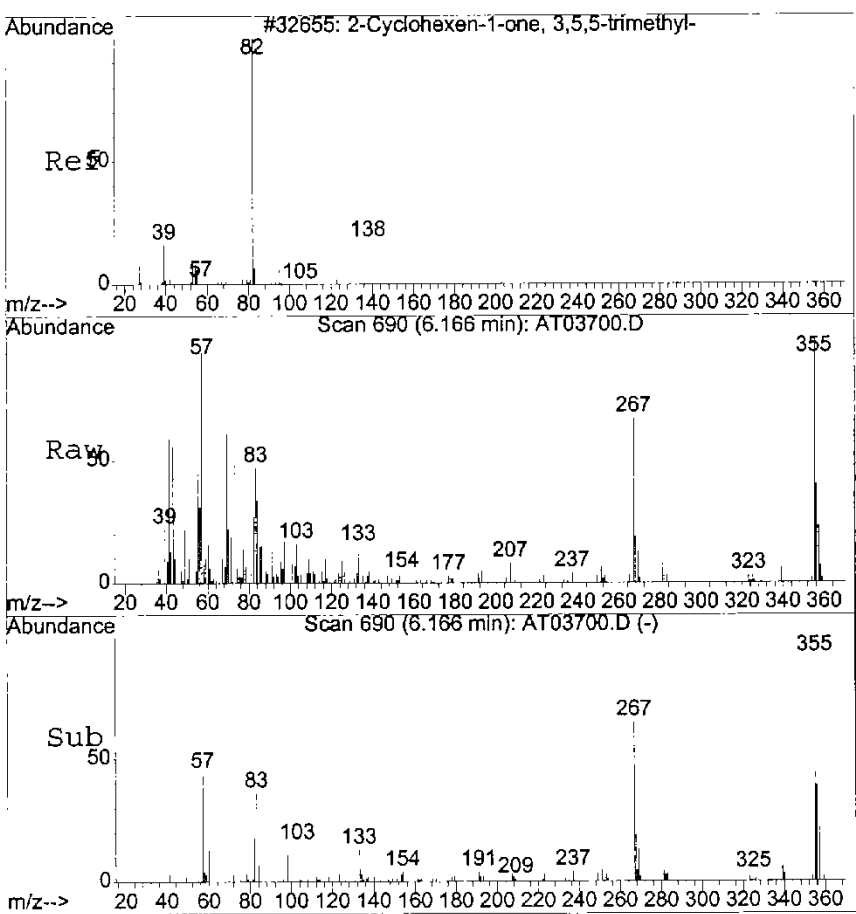


#19
3-&4-Methylphenol
Concen: 79.49 ug/L
RT: 5.83 min Scan# 627
Delta R.T. 0.03 min
Lab File: AT03700.D
Acq: 1 Mar 2005 1:42 pm

Tgt Ion:108 Resp: 12258

Ion	Ratio	Lower	Upper
108	100		
107	115.6	75.6	135.6
79	20.8	0.0	55.6
90	19.6	0.0	39.9

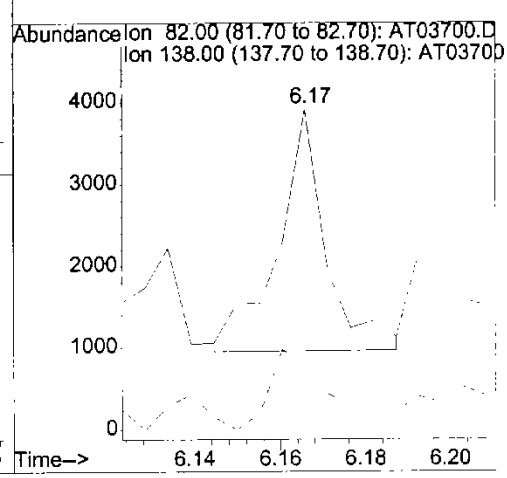




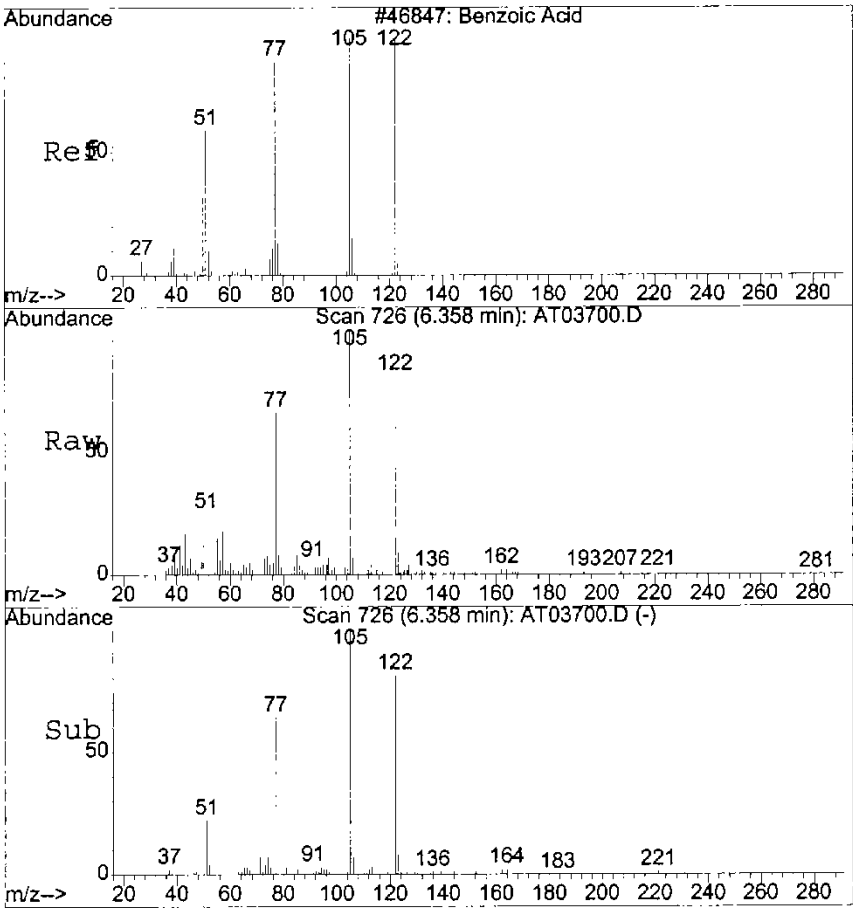
#26
Isophorone
Concen: 5.42 ug/L
RT: 6.17 min Scan# 690
Delta R.T. -0.01 min
Lab File: AT03700.D
Acq: 1 Mar 2005 1:42 pm

Tgt Ion: 82 Resp: 2314

Ion	Ratio	Lower	Upper
82	100		
138	18.9	0.0	51.7



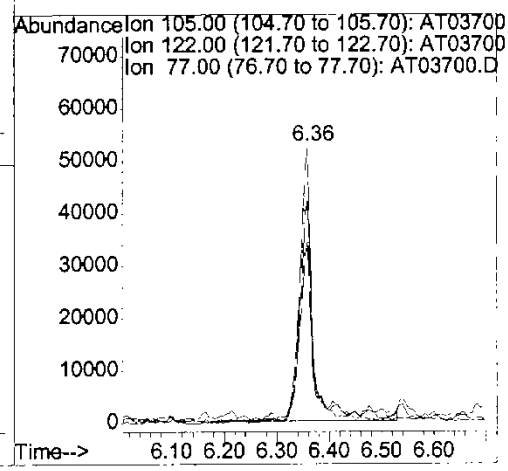
00637

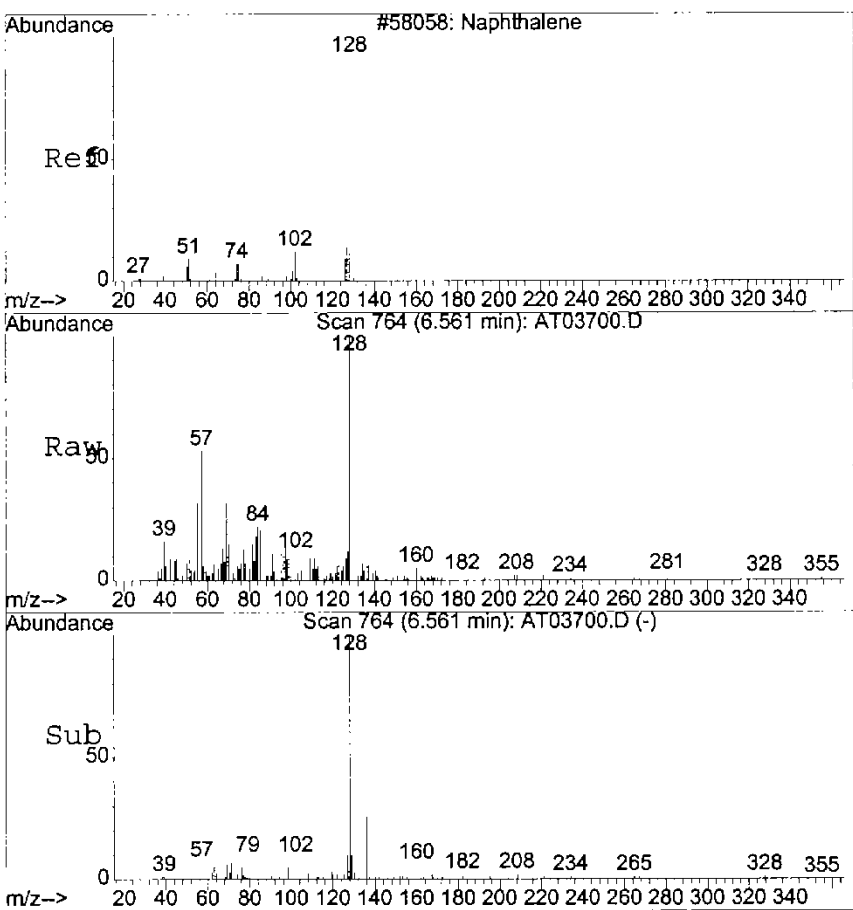


#30
Benzoic Acid
Concen: 1156.57 ug/L
RT: 6.36 min Scan# 726
Delta R.T. -0.03 min
Lab File: AT03700.D
Acq: 1 Mar 2005 1:42 pm

Tgt Ion:105 Resp: 94129

Ion	Ratio	Lower	Upper
105	100		
122	82.4	58.0	118.0
77	64.4	34.2	94.2

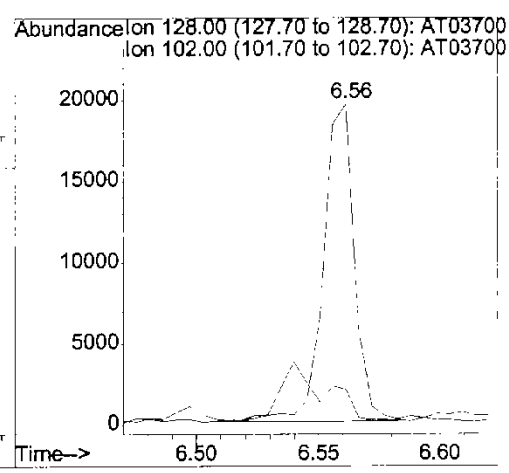




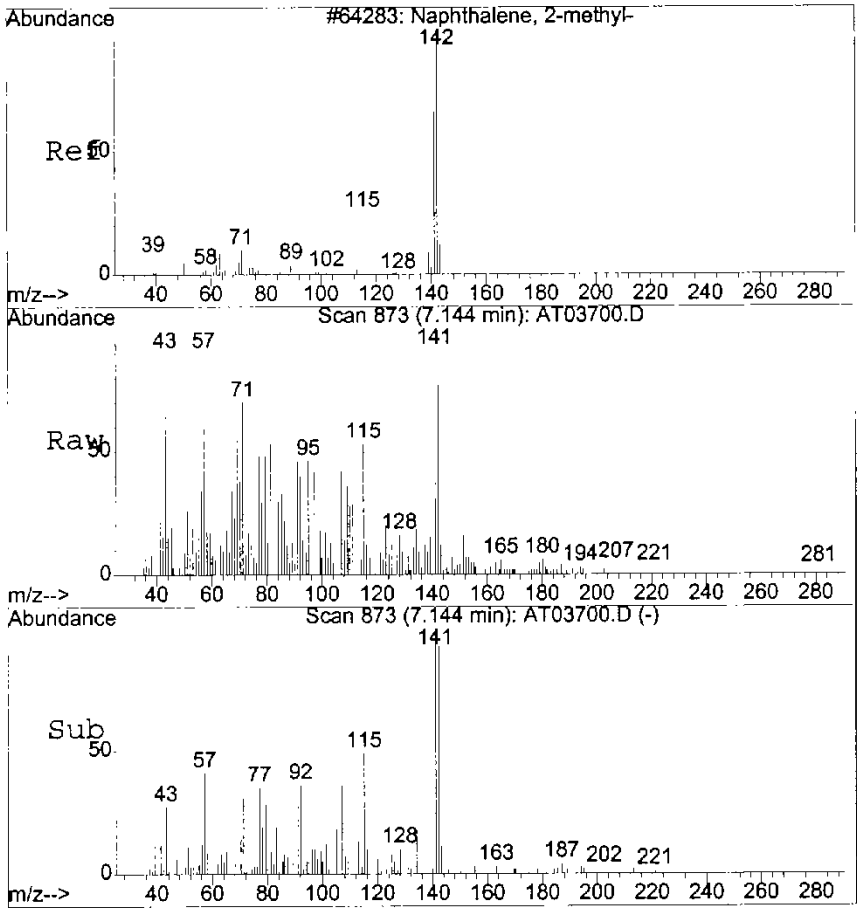
#33
Naphthalene
Concen: 21.73 ug/L
RT: 6.56 min Scan# 764
Delta R.T. 0.00 min
Lab File: AT03700.D
Acq: 1 Mar 2005 1:42 pm

Tgt Ion:128 Resp: 17369

Ion	Ratio	Lower	Upper
128	100		
102	9.5	0.0	37.8



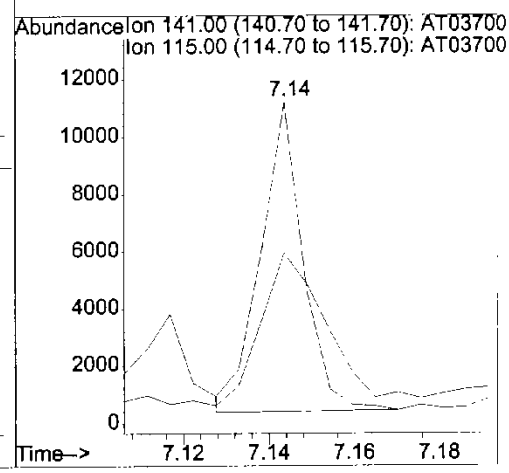
00638

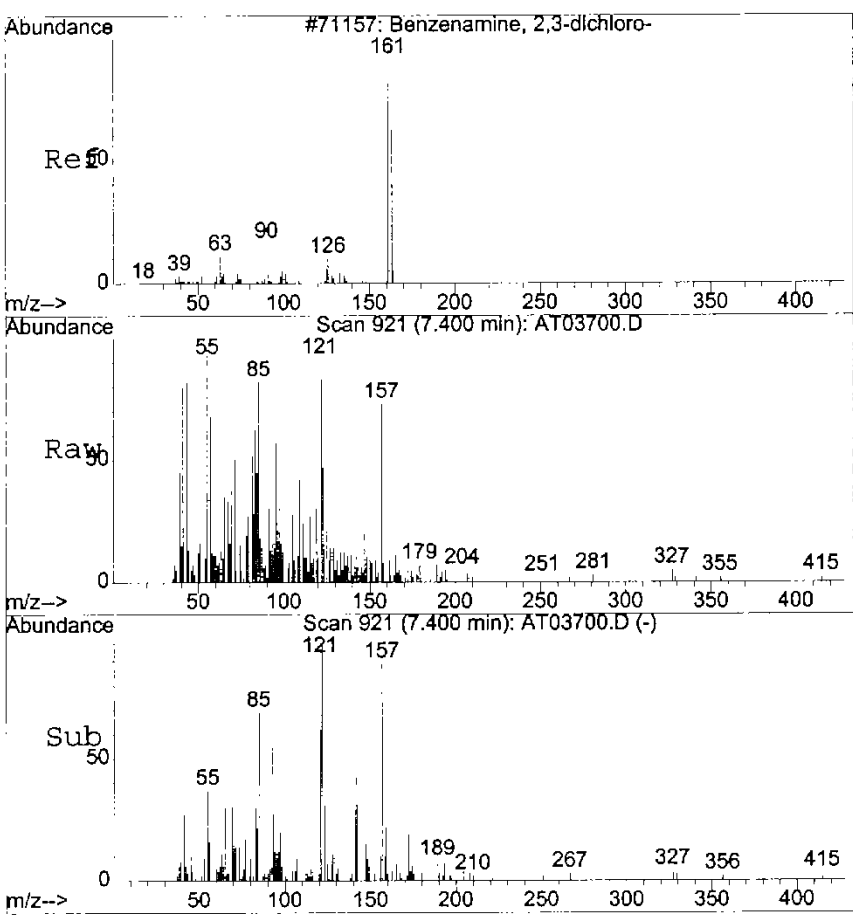


#37
2-Methylnaphthalene
Concen: 17.54 ug/L
RT: 7.14 min Scan# 873
Delta R.T. 0.02 min
Lab File: AT03700.D
Acq: 1 Mar 2005 1:42 pm

Tgt Ion:141 Resp: 7429

Ion	Ratio	Lower	Upper
141	100		
115	48.8	2.2	62.2

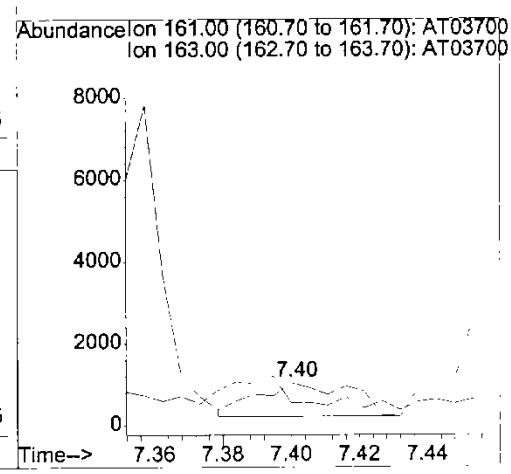




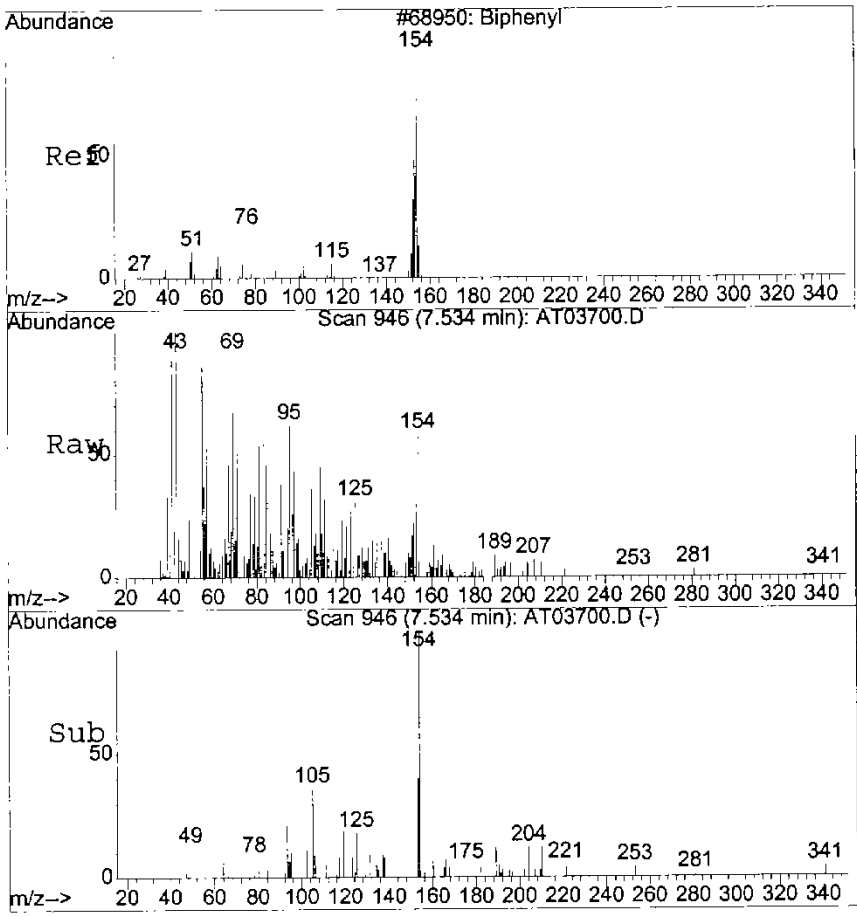
#41
2,3-Dichloroaniline
Concen: 6.72 ul/L
RT: 7.40 min Scan# 921
Delta R.T. 0.01 min
Lab File: AT03700.D
Acq: 1 Mar 2005 1:42 pm

Tgt Ion:161 Resp: 1556

Ion	Ratio	Lower	Upper
161	100		
163	62.7	35.9	95.9



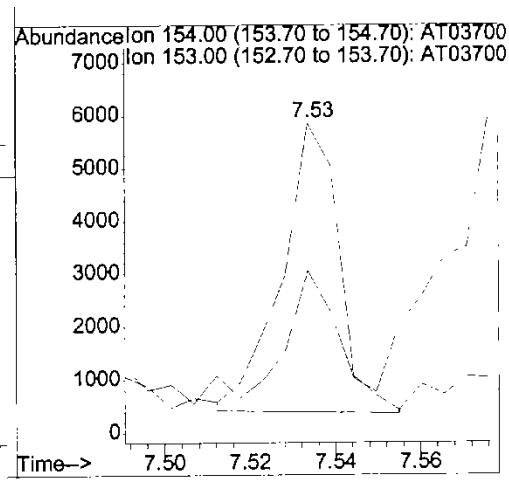
00639

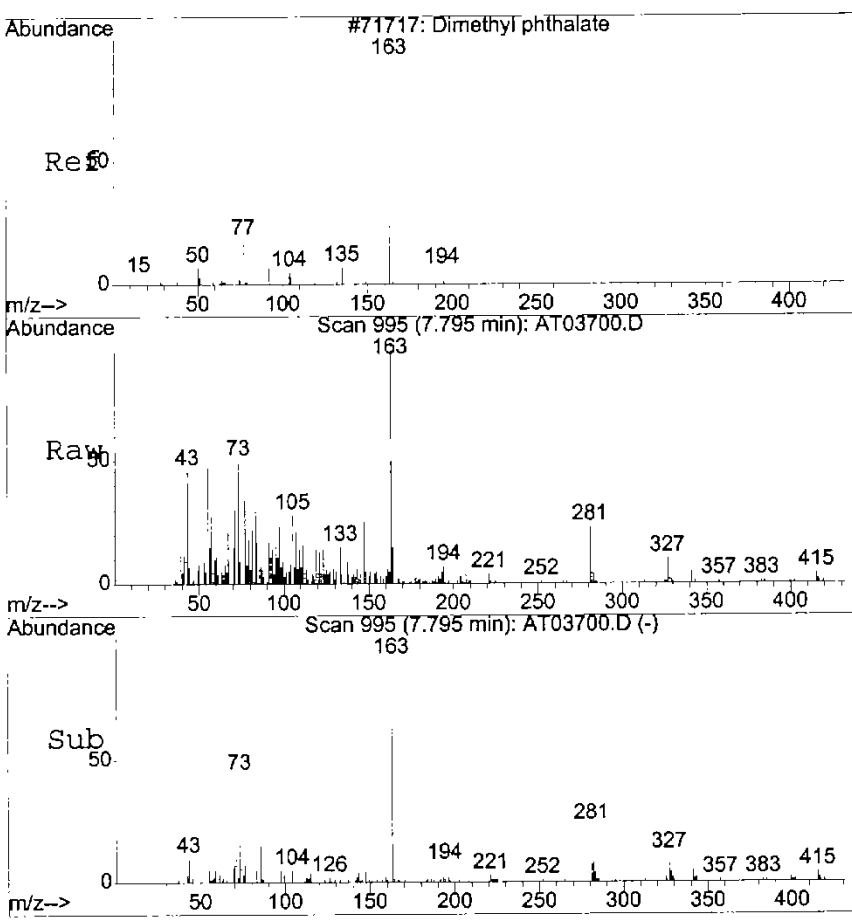


#46
Biphenyl
Concen: 8.39 ul/L
RT: 7.53 min Scan# 946
Delta R.T. -0.01 min
Lab File: AT03700.D
Acq: 1 Mar 2005 1:42 pm

Tgt Ion:154 Resp: 5046

Ion	Ratio	Lower	Upper
154	100		
153	43.5	9.4	69.4

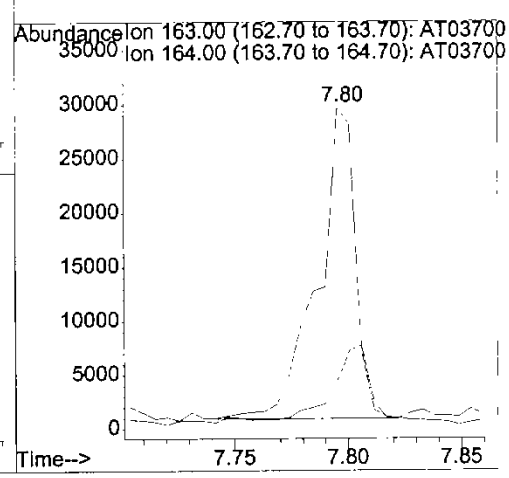


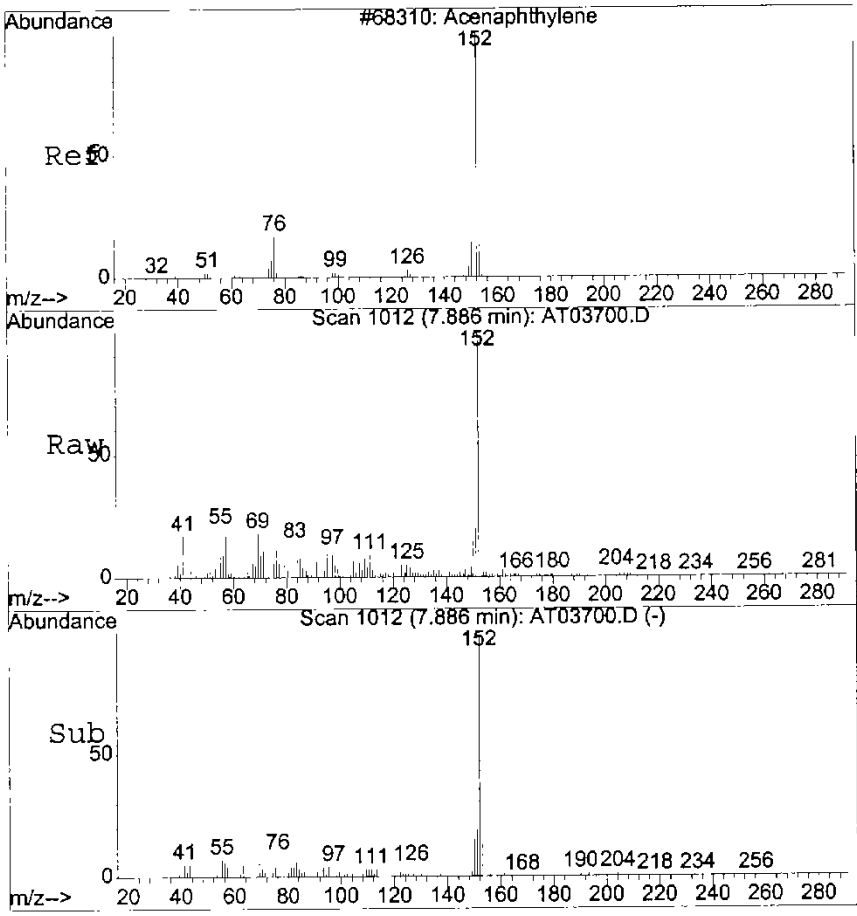


#48
Dimethylphthalate
Concen: 65.66 ug/L
RT: 7.80 min Scan# 995
Delta R.T. 0.00 min
Lab File: AT03700.D
Acq: 1 Mar 2005 1:42 pm

Tgt Ion:163 Resp: 33074

Ion	Ratio	Lower	Upper
163	100		
164	13.0	0.0	40.0

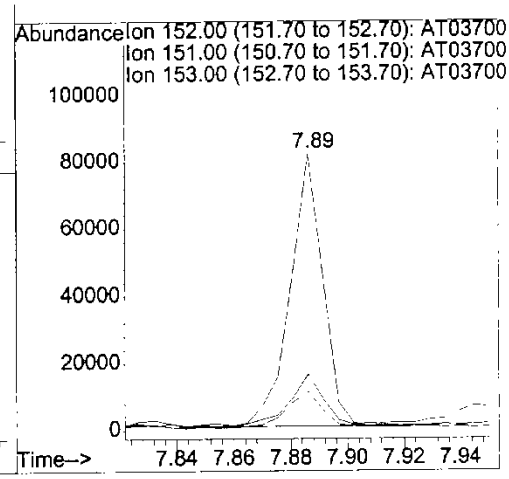


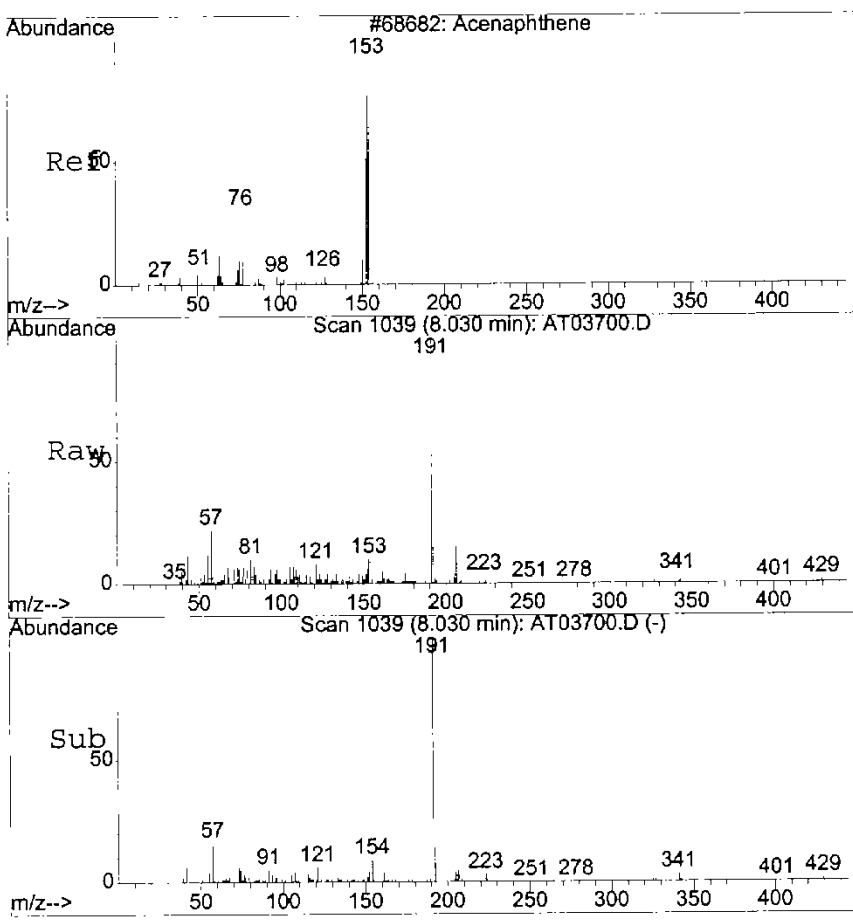


#49
Acenaphthylene
Concen: 87.01 ug/L
RT: 7.89 min Scan# 1012
Delta R.T. -0.00 min
Lab File: AT03700.D
Acq: 1 Mar 2005 1:42 pm

Tgt Ion:152 Resp: 64371

Ion	Ratio	Lower	Upper
152	100		
151	18.0	0.0	49.4
153	13.1	0.0	43.0

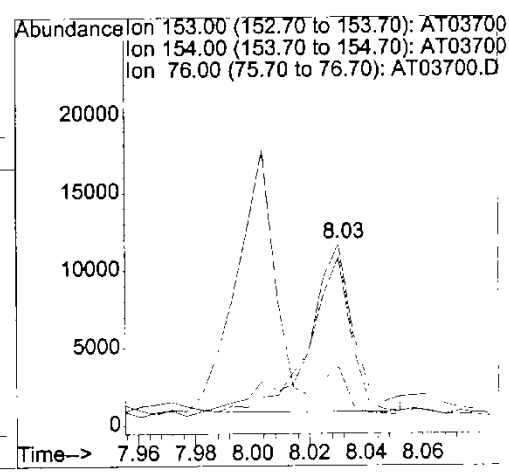


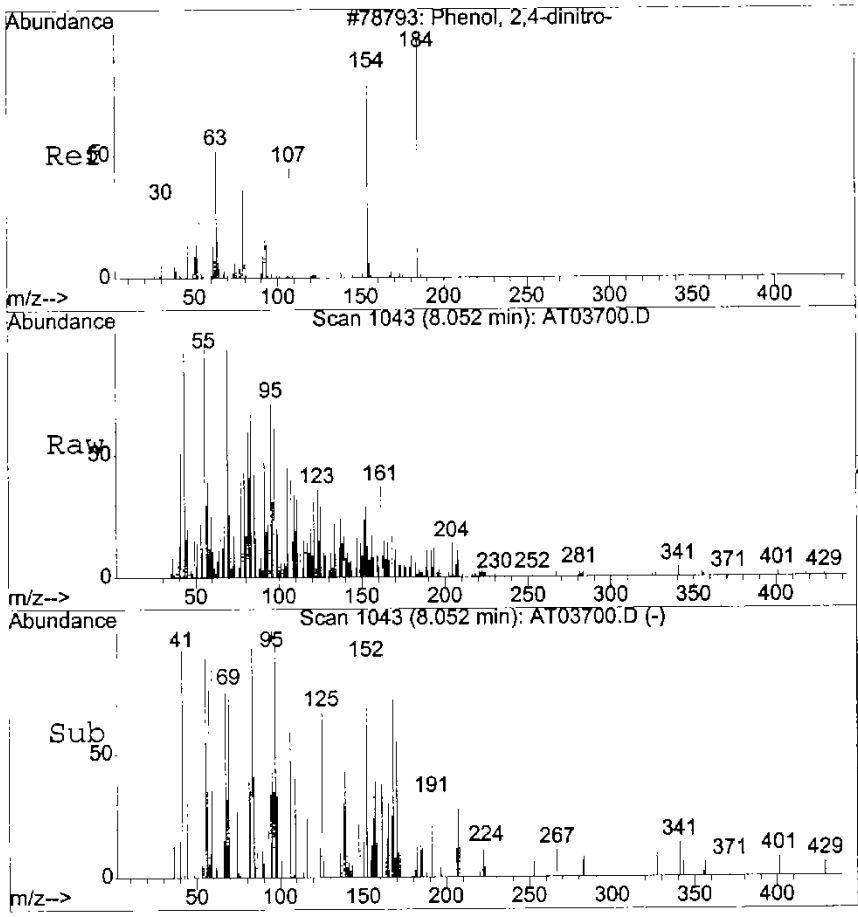


#52
Acenaphthene
Concen: 23.97 ug/L
RT: 8.03 min Scan# 1039
Delta R.T. 0.00 min
Lab File: AT03700.D
Acq: 1 Mar 2005 1:42 pm

Tgt Ion:153 Resp: 11670

Ion	Ratio	Lower	Upper
153	100		
154	94.8	53.5	113.5
76	11.4	0.0	50.2

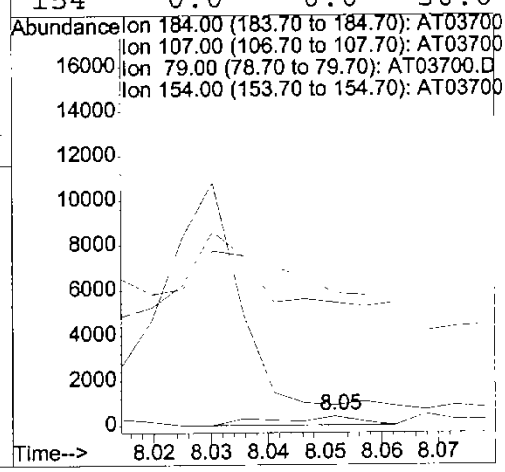


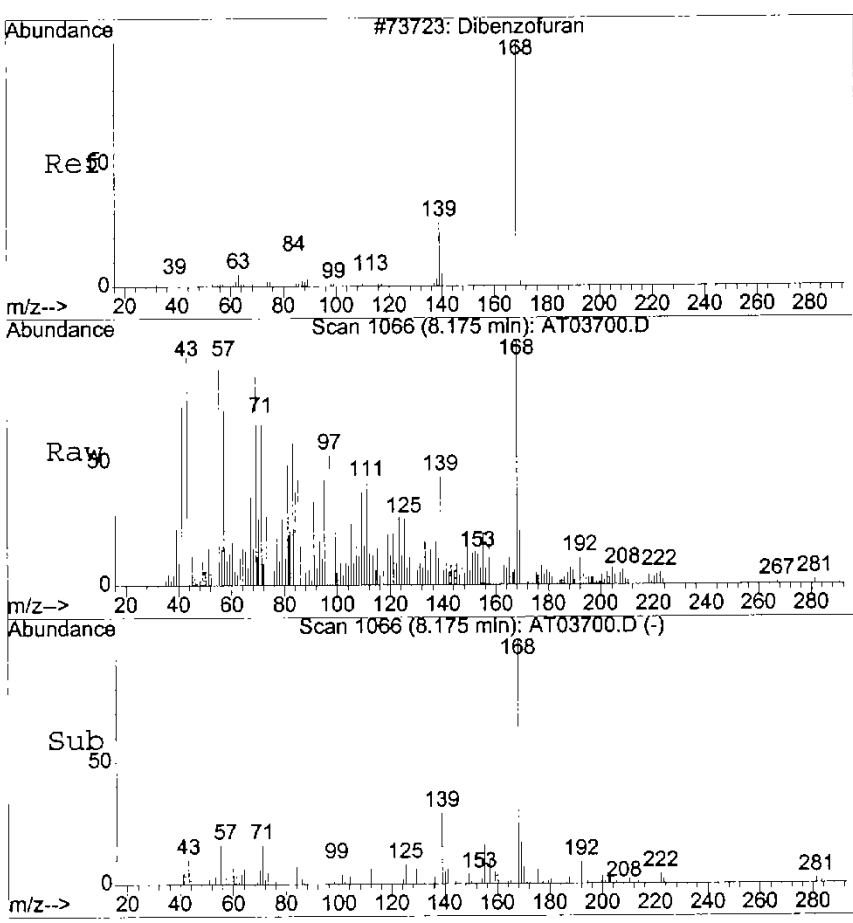


#53
2,4-Dinitrophenol
Concen: 350.73 ug/L
RT: 8.05 min Scan# 1043
Delta R.T. -0.01 min
Lab File: AT03700.D
Acq: 1 Mar 2005 1:42 pm

Tgt Ion:184 Resp: 420

Ion	Ratio	Lower	Upper
184	100		
107	0.0	0.0	58.6
79	0.0	0.0	48.2
154	0.0	0.0	30.0

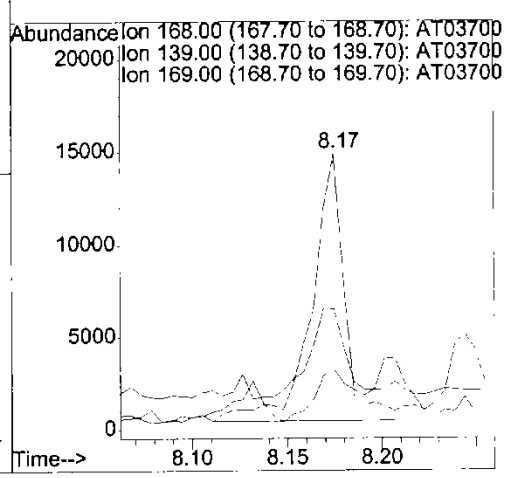


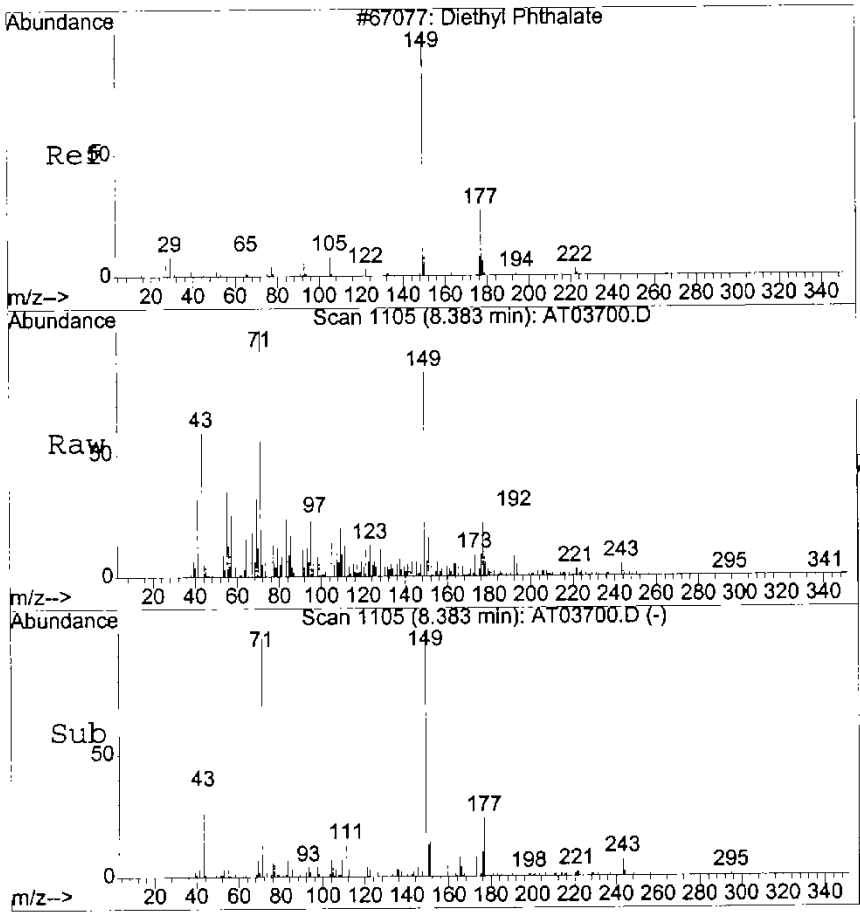


#55
Dibenzofuran
Concen: 26.80 ug/L
RT: 8.17 min Scan# 1066
Delta R.T. 0.00 min
Lab File: AT03700.D
Acq: 1 Mar 2005 1:42 pm

Tgt Ion:168 Resp: 17474

Ion	Ratio	Lower	Upper
168	100		
139	29.5	0.6	60.6
169	5.9	0.0	42.8

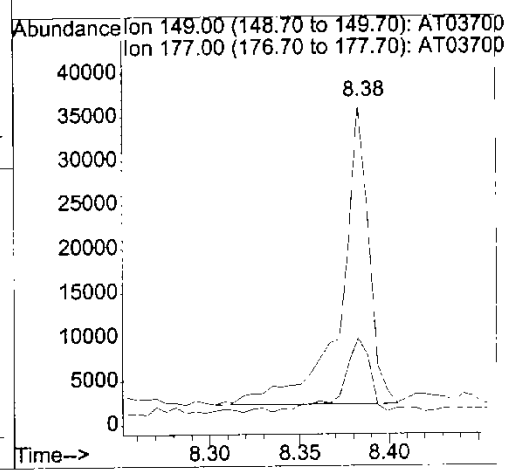


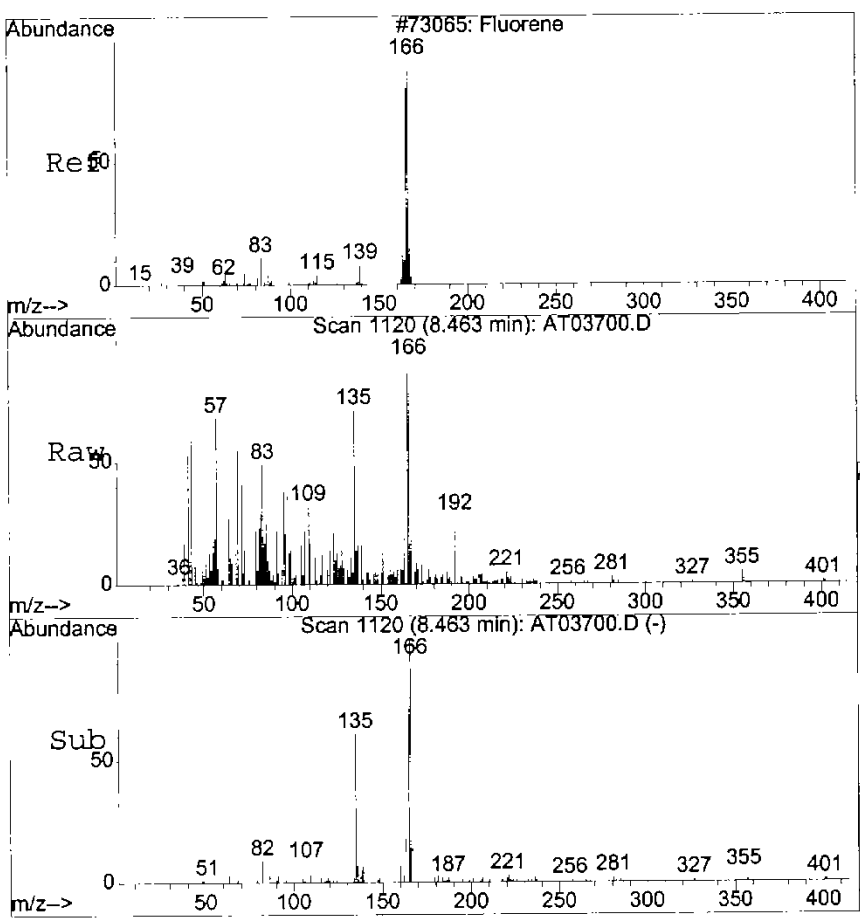


#59
Diethylphthalate
Concen: 69.59 ug/L
RT: 8.38 min Scan# 1105
Delta R.T. 0.01 min
Lab File: AT03700.D
Acq: 1 Mar 2005 1:42 pm

Tgt Ion:149 Resp: 37072

Ion	Ratio	Lower	Upper
149	100		
177	23.7	0.0	53.1

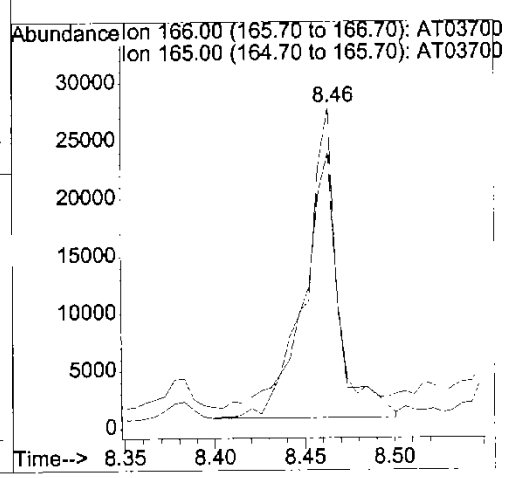


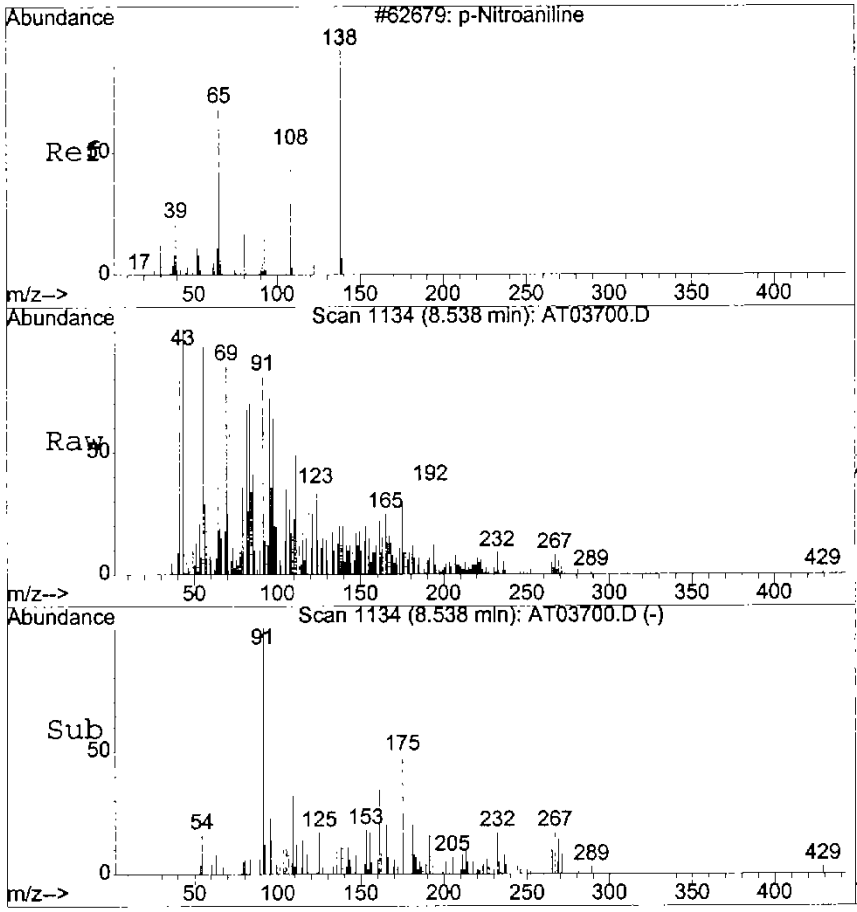


#60
Fluorene
Concen: 64.96 ug/L
RT: 8.46 min Scan# 1120
Delta R.T. 0.00 min
Lab File: AT03700.D
Acq: 1 Mar 2005 1:42 pm

Tgt Ion:166 Resp: 32601

Ion	Ratio	Lower	Upper
166	100		
165	80.5	65.1	125.1

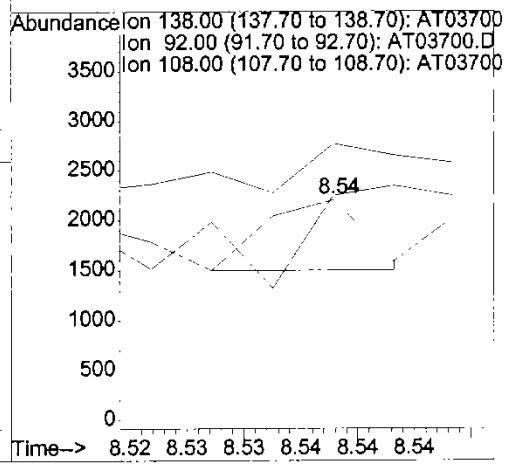


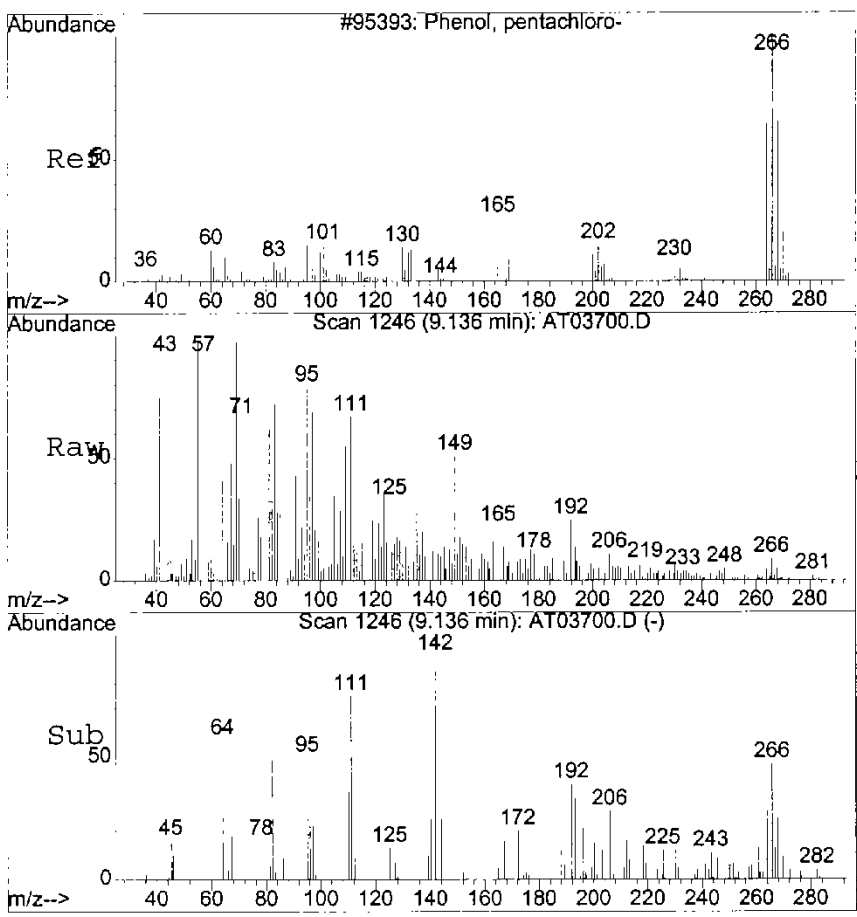


#62
4-Nitroaniline
Concen: 5.97 ug/L
RT: 8.54 min Scan# 1134
Delta R.T. 0.05 min
Lab File: AT03700.D
Acq: 1 Mar 2005 1:42 pm

Tgt Ion:138 Resp: 428

Ion	Ratio	Lower	Upper
138	100		
92	12.9	11.1	71.1
108	30.5	21.9	81.9

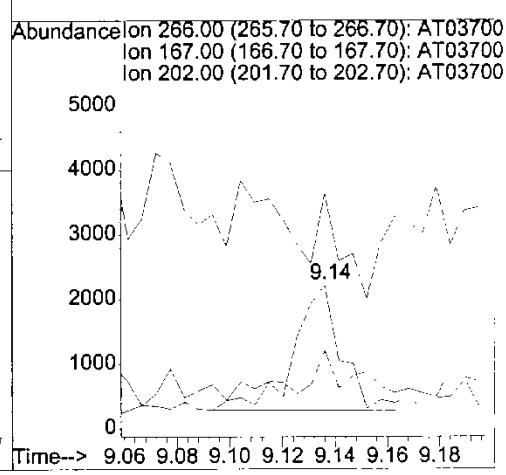


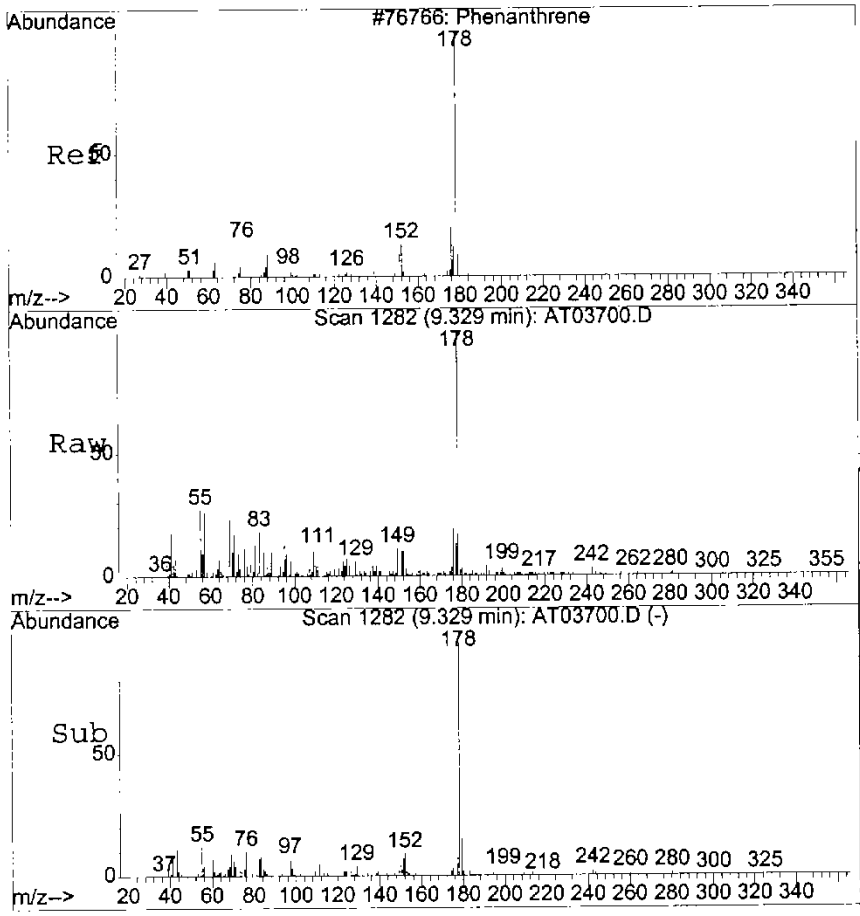


#70
Pentachlorophenol
Concen: 28.12 ug/L
RT: 9.14 min Scan# 1246
Delta R.T. 0.01 min
Lab File: AT03700.D
Acq: 1 Mar 2005 1:42 pm

Tgt Ion:266 Resp: 2424

Ion	Ratio	Lower	Upper
266	100		
167	13.5	2.3	62.3
202	23.8	0.0	49.2

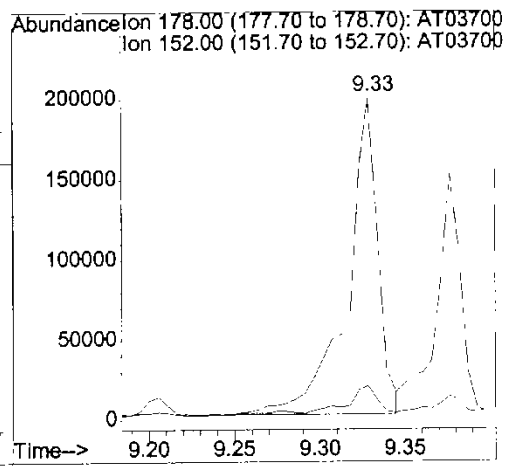


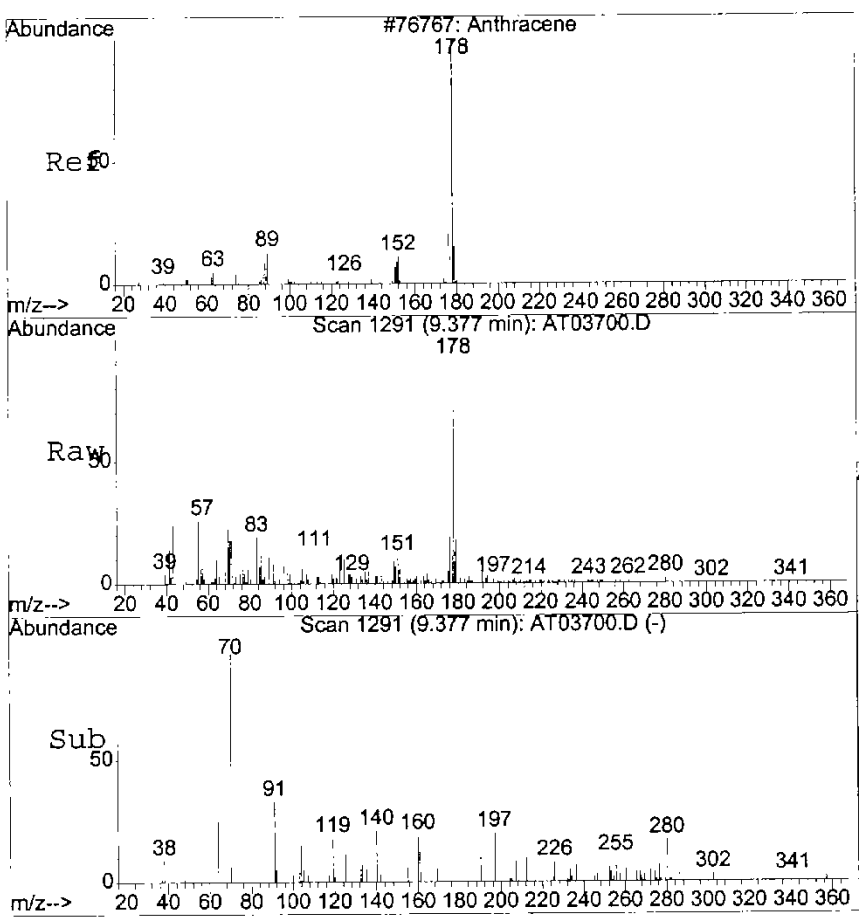


#71
Phenanthrene
Concen: 317.70 ug/L
RT: 9.33 min Scan# 1282
Delta R.T. 0.00 min
Lab File: AT03700.D
Acq: 1 Mar 2005 1:42 pm

Tgt Ion:178 Resp: 247529

Ion	Ratio	Lower	Upper
178	100		
152	8.8	0.0	38.6

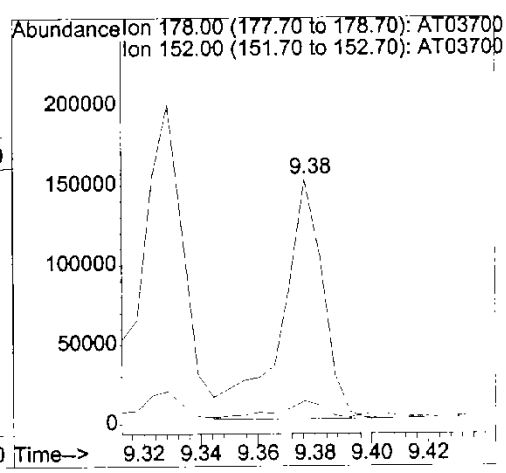


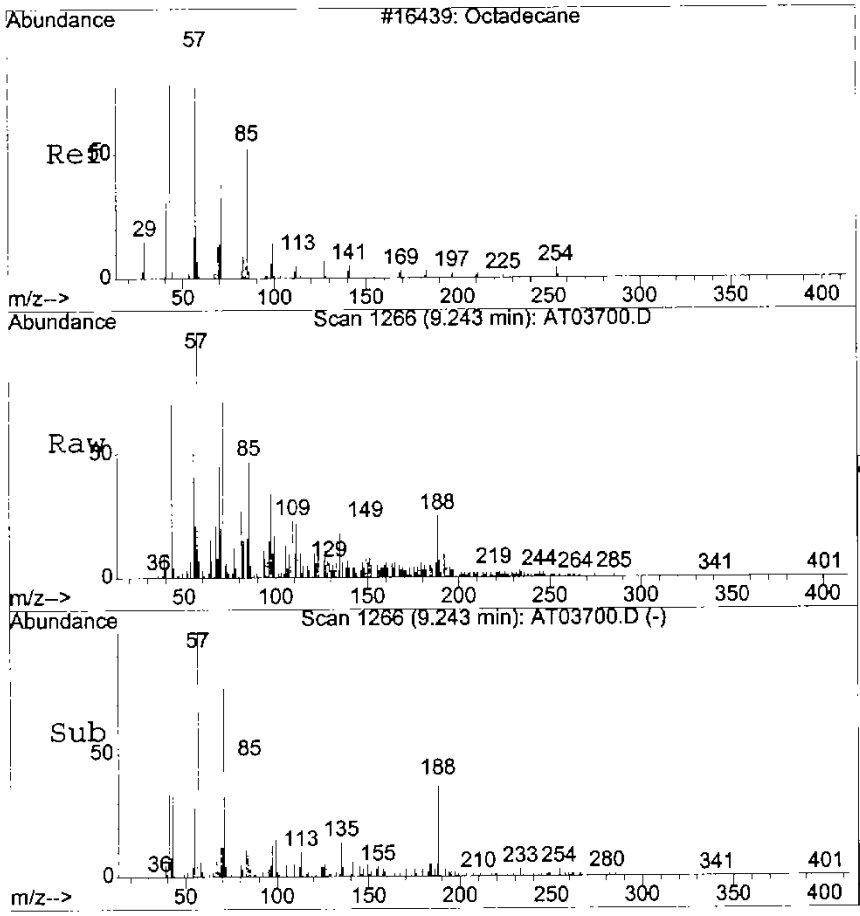


#72
Anthracene
Concen: 213.48 ug/L
RT: 9.38 min Scan# 1291
Delta R.T. 0.00 min
Lab File: AT03700.D
Acq: 1 Mar 2005 1:42 pm

Tgt Ion:178 Resp: 150854

Ion	Ratio	Lower	Upper
178	100		
152	6.7	0.0	37.1

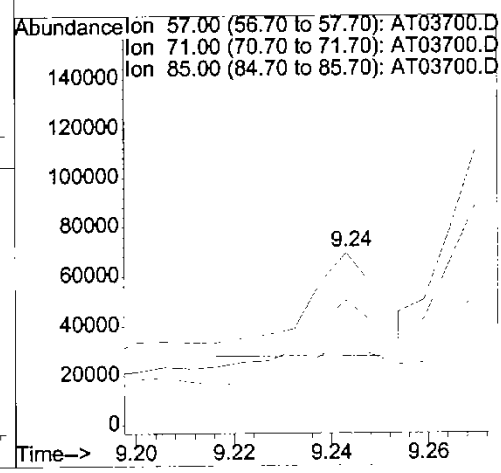


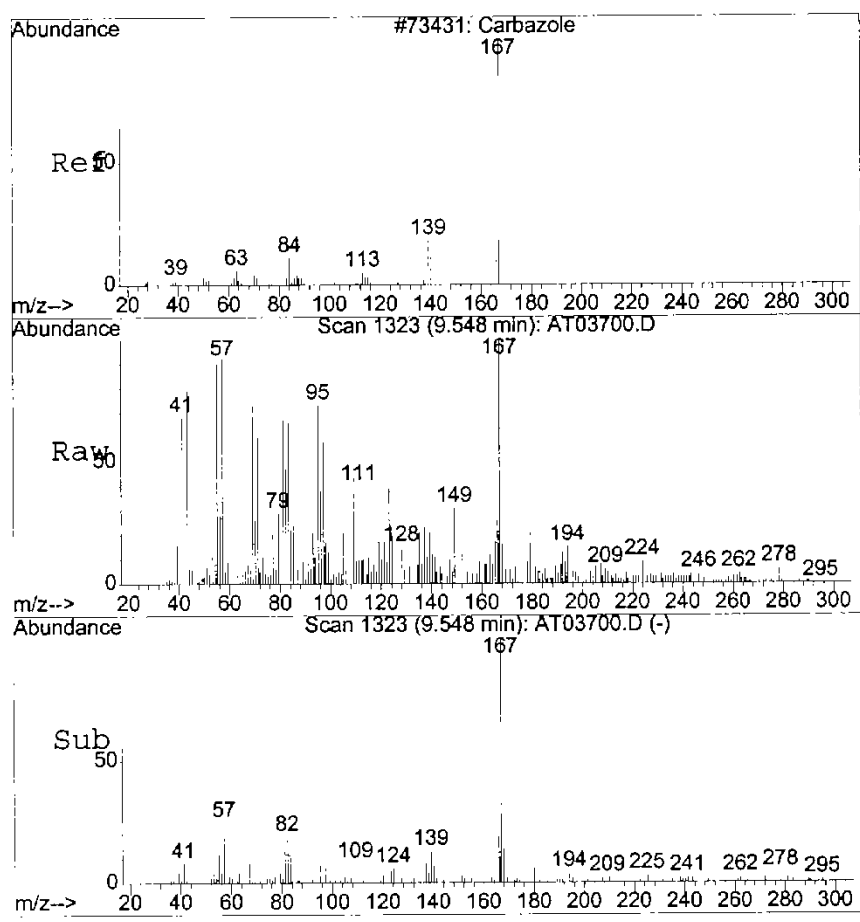


#73
Octadecane
Concen: 204.29 ul/L
RT: 9.24 min Scan# 1266
Delta R.T. 0.00 min
Lab File: AT03700.D
Acq: 1 Mar 2005 1:42 pm

Tgt Ion: 57 Resp: 46190

Ion	Ratio	Lower	Upper
57	100		
71	93.7	51.7	96.1
85	56.4	37.4	69.4

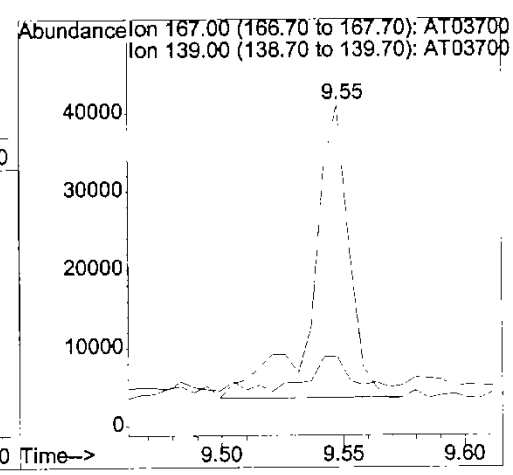


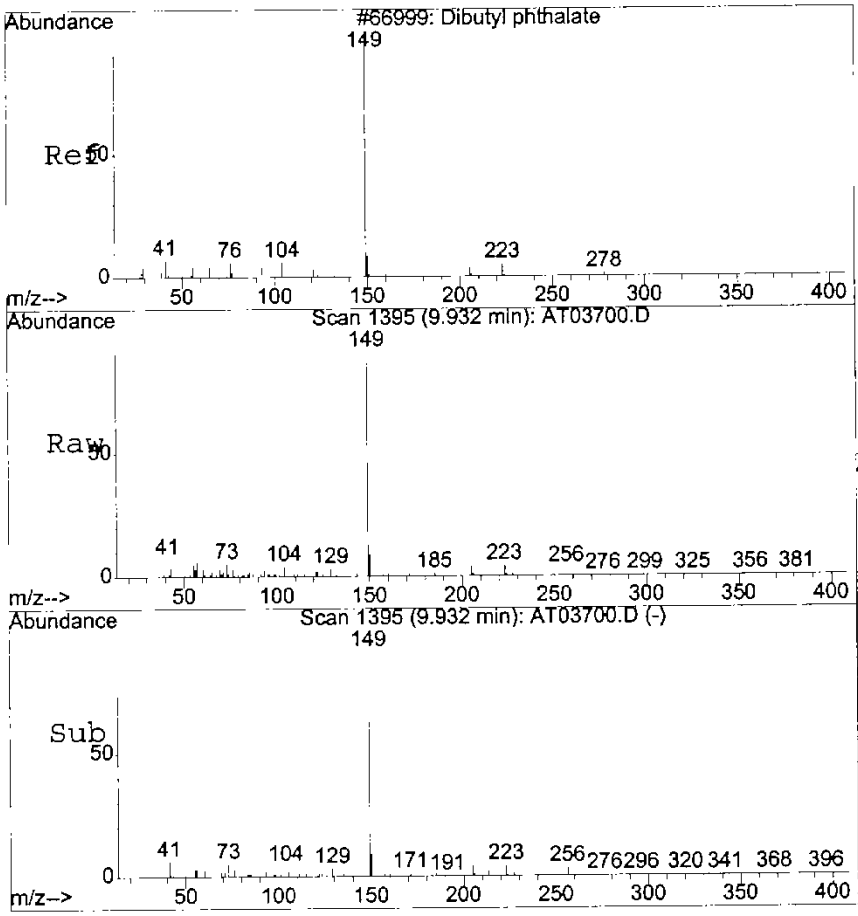


#74
Carbazole
Concen: 81.59 ug/L
RT: 9.55 min Scan# 1323
Delta R.T. 0.01 min
Lab File: AT03700.D
Acq: 1 Mar 2005 1:42 pm

Tgt Ion:167 Resp: 39032

Ion	Ratio	Lower	Upper
167	100		
139	10.6	0.0	42.1

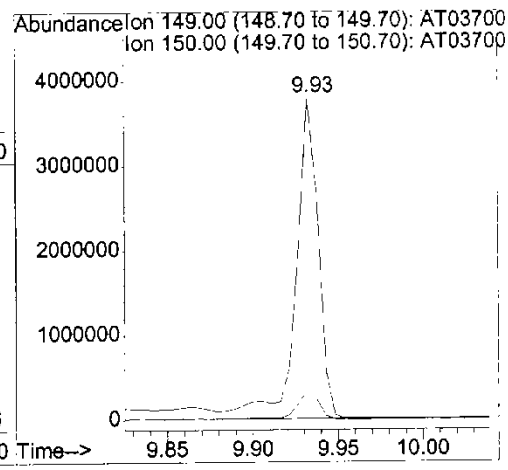


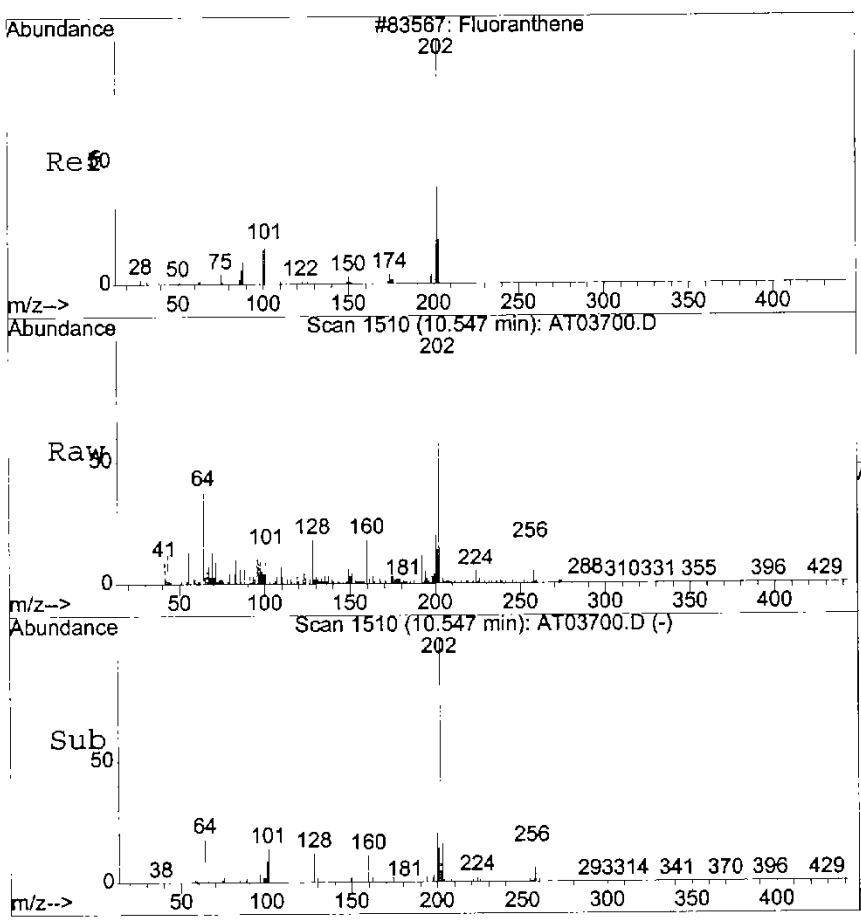


#75
Di-n-butylphthalate
Concen: 4155.65 ug/L
RT: 9.93 min Scan# 1395
Delta R.T. 0.00 min
Lab File: AT03700.D
Acq: 1 Mar 2005 1:42 pm

Tgt Ion:149 Resp: 3480369

Ion	Ratio	Lower	Upper
149	100		
150	9.3	0.0	38.8

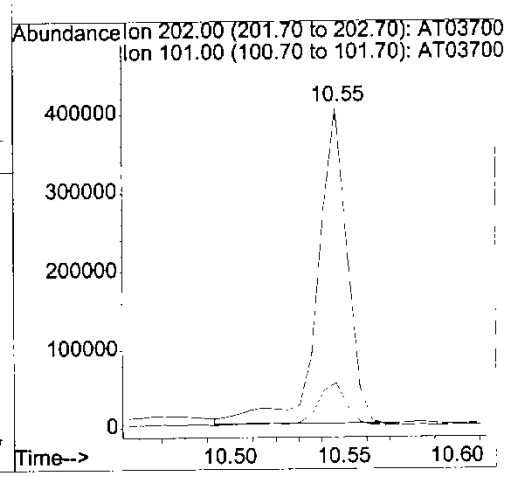


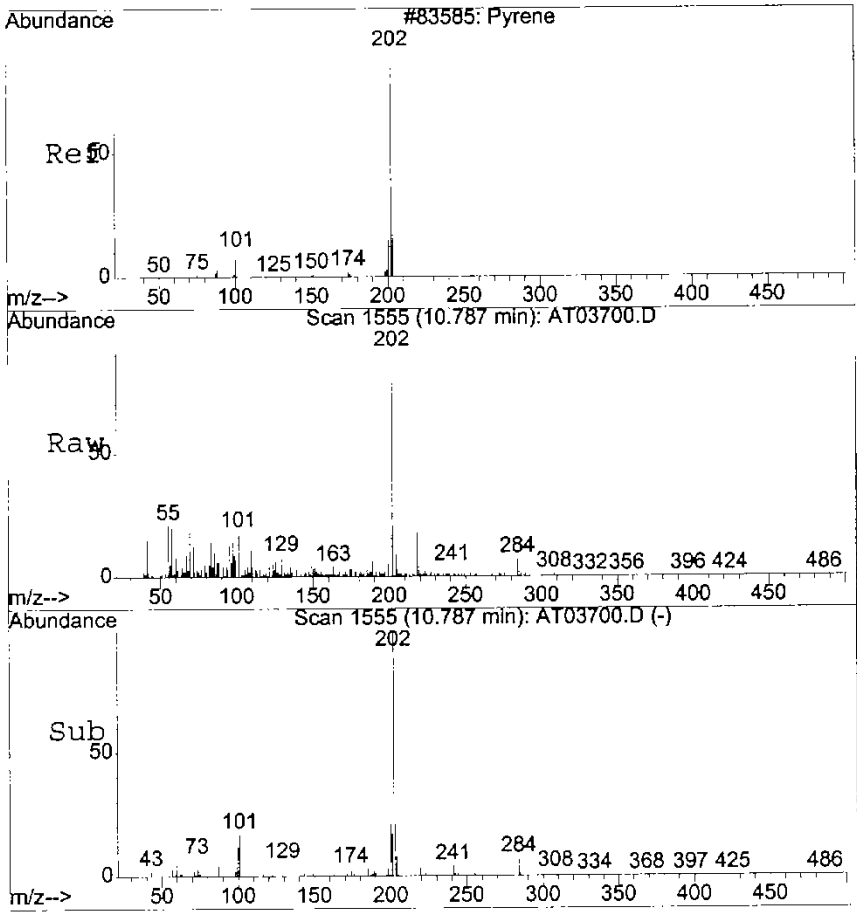


#76
Fluoranthene
Concen: 462.95 ug/L
RT: 10.55 min Scan# 1510
Delta R.T. 0.01 min
Lab File: AT03700.D
Acq: 1 Mar 2005 1:42 pm

Tgt Ion:202 Resp: 368138

Ion	Ratio	Lower	Upper
202	100		
101	13.5	0.0	43.1

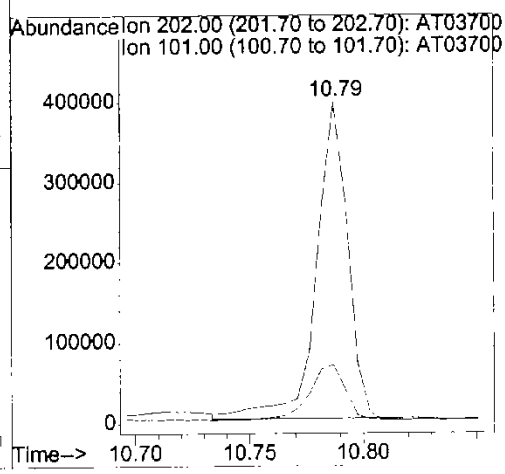


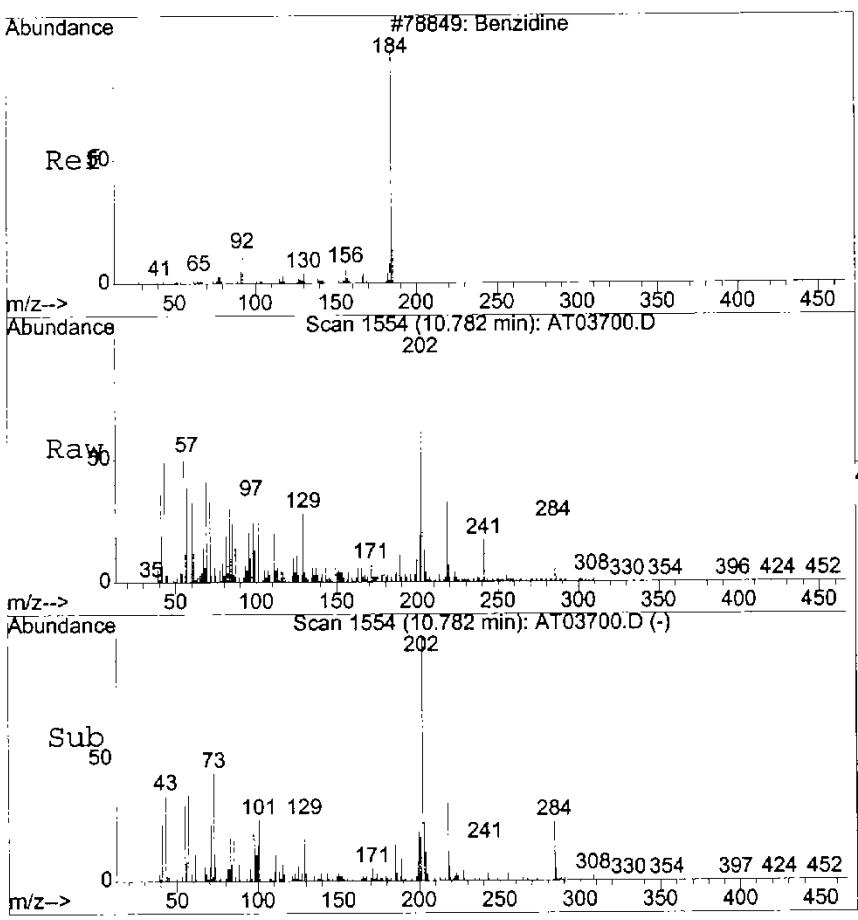


#77
Pyrene
Concen: 459.52 ug/L
RT: 10.79 min Scan# 1555
Delta R.T. 0.00 min
Lab File: AT03700.D
Acq: 1 Mar 2005 1:42 pm

Tgt Ion:202 Resp: 379012

Ion	Ratio	Lower	Upper
202	100		
101	17.5	0.0	44.9

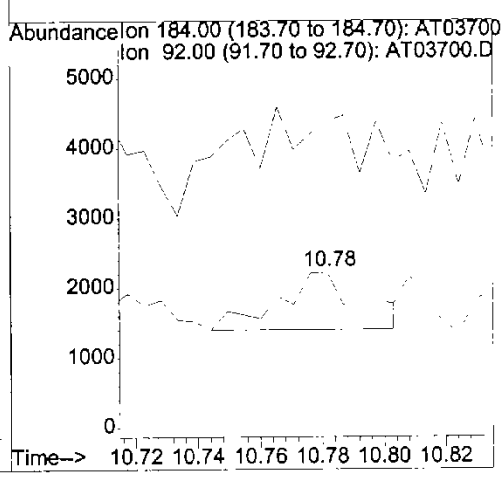


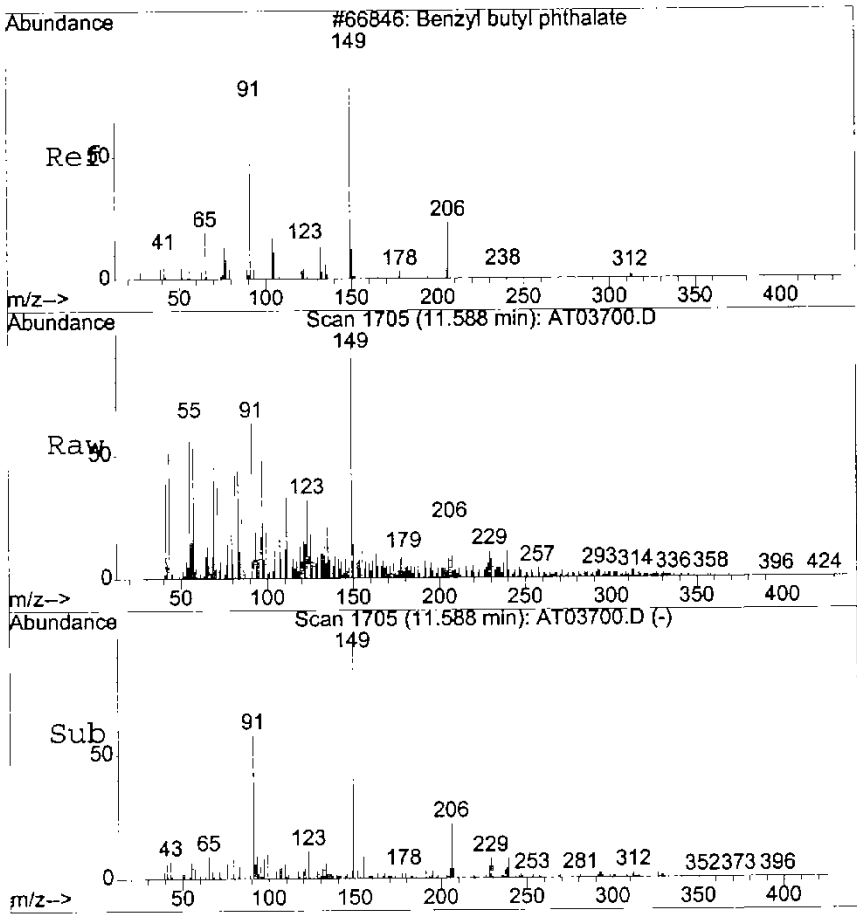


#78
Benzidine
Concen: 13.87 ul/l
RT: 10.78 min Scan# 1554
Delta R.T. 0.06 min
Lab File: AT03700.D
Acq: 1 Mar 2005 1:42 pm

Tgt Ion:184 Resp: 1568

Ion	Ratio	Lower	Upper
184	100		
92	23.6	0.0	39.3

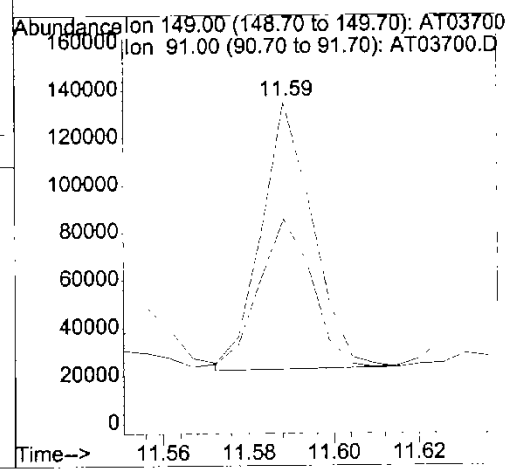


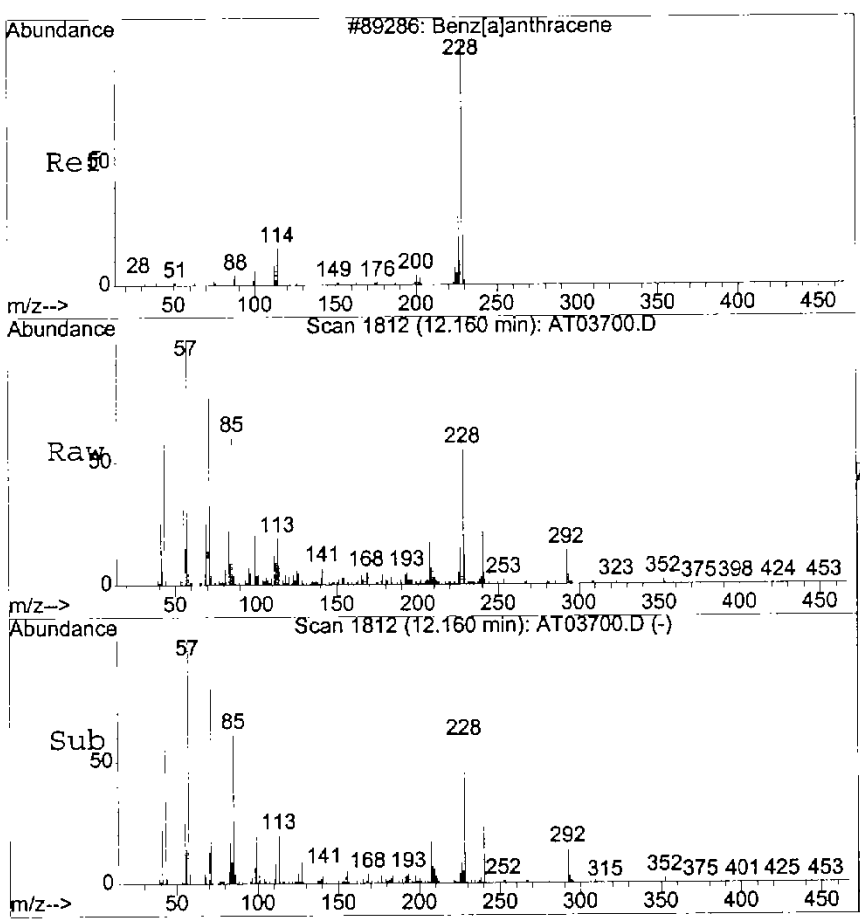


#81
Butylbenzylphthalate
Concen: 356.24 ug/L
RT: 11.59 min Scan# 1705
Delta R.T. 0.01 min
Lab File: AT03700.D
Acq: 1 Mar 2005 1:42 pm

Tgt Ion:149 Resp: 93467

Ion	Ratio	Lower	Upper
149	100		
91	55.0	30.6	90.6

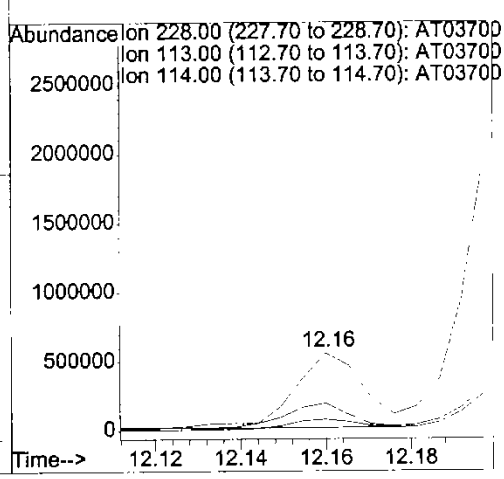


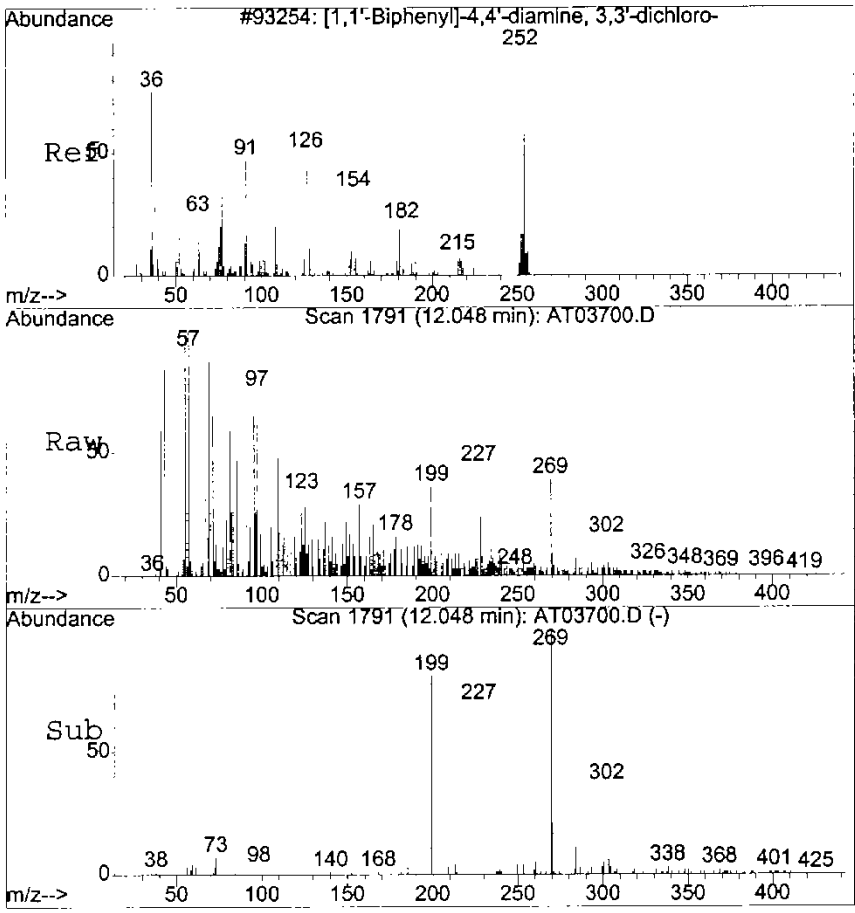


#82
Benzo(a)anthracene
Concen: 918.86 ug/L
RT: 12.16 min Scan# 1812
Delta R.T. 0.01 min
Lab File: AT03700.D
Acq: 1 Mar 2005 1:42 pm

Tgt Ion:228 Resp: 596556

Ion	Ratio	Lower	Upper
228	100		
113	31.9	0.0	41.1
114	14.0	0.0	42.7

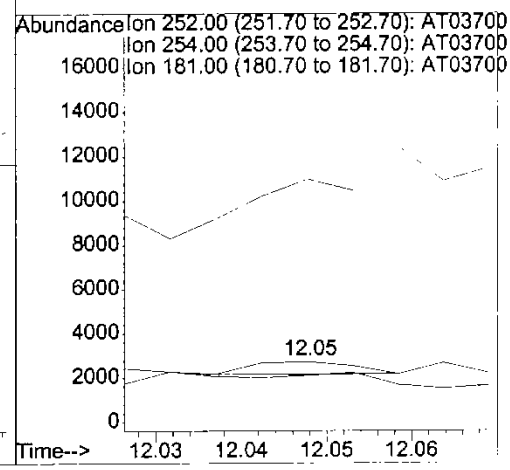


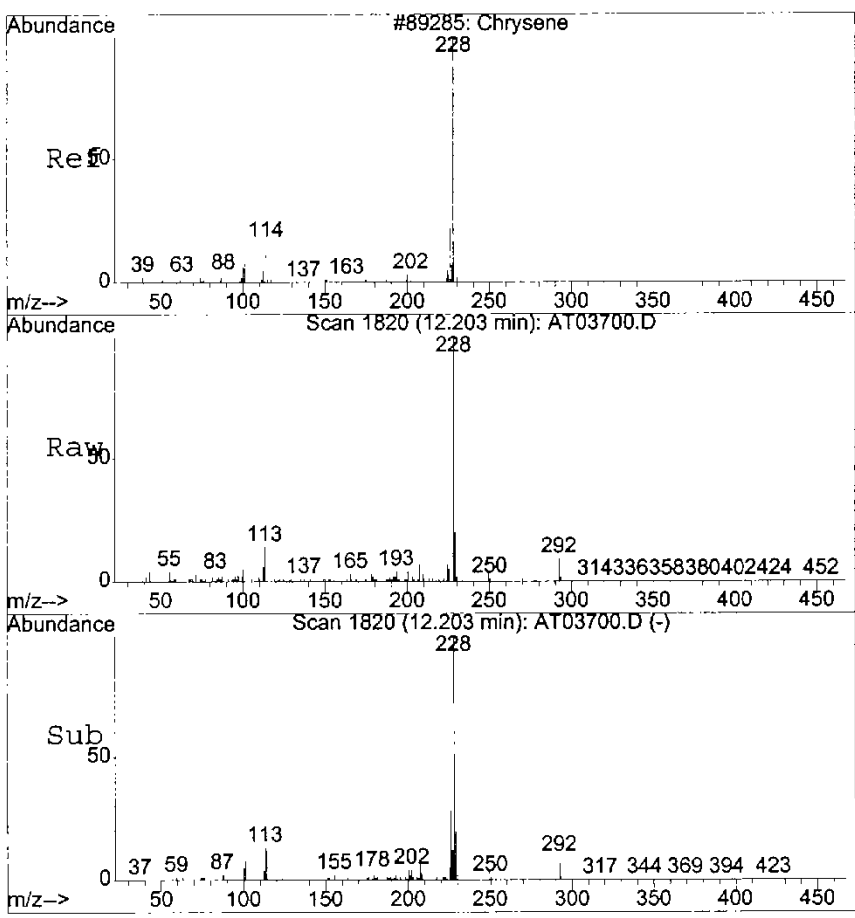


#83
3,3'-Dichlorobenzidine
Concen: 29.87 ug/L
RT: 12.05 min Scan# 1791
Delta R.T. -0.11 min
Lab File: AT03700.D
Acq: 1 Mar 2005 1:42 pm

Tgt Ion:252 Resp: 463

Ion	Ratio	Lower	Upper
252	100		
254	40.5	33.6	93.6
181	27.3	0.0	38.3

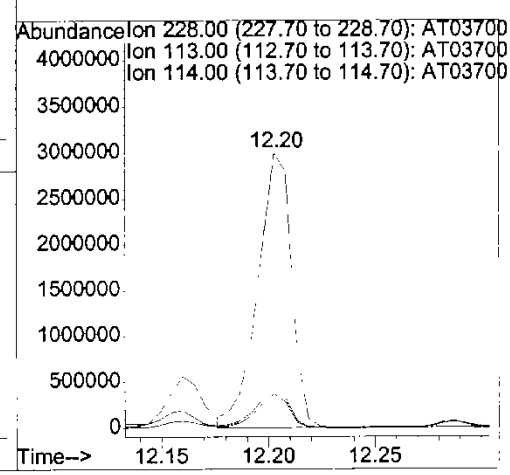


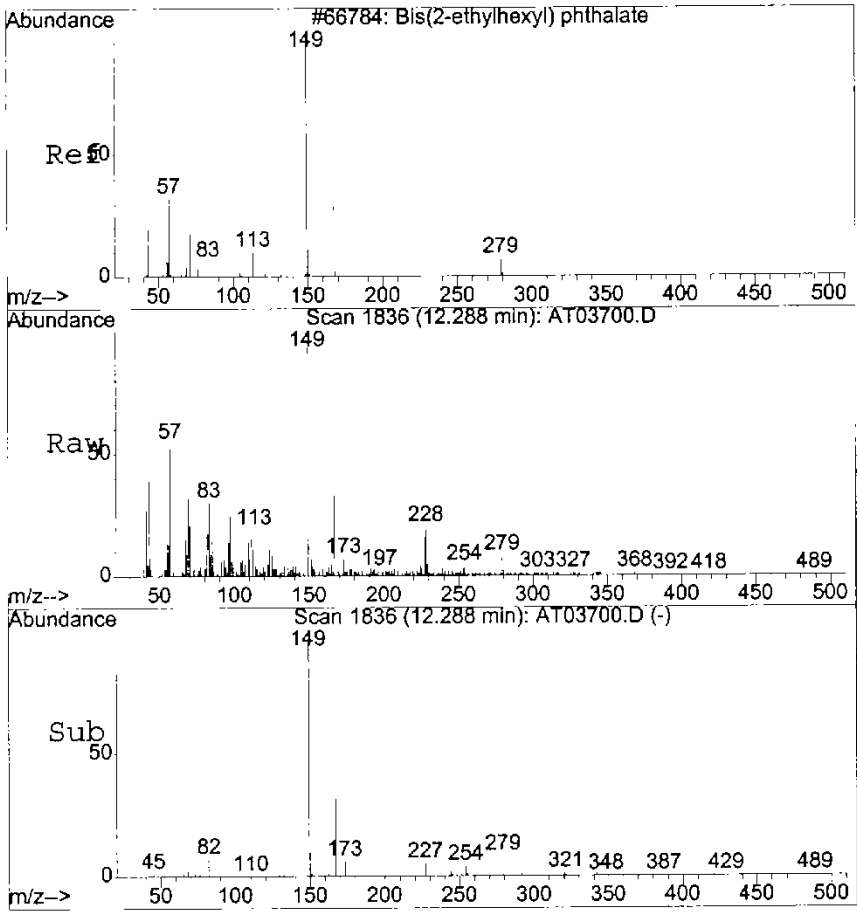


#84
Chrysene
Concen: 4828.71 ug/L
RT: 12.20 min Scan# 1820
Delta R.T. 0.01 min
Lab File: AT03700.D
Acq: 1 Mar 2005 1:42 pm

Tgt Ion:228 Resp: 3267618

Ion	Ratio	Lower	Upper
228	100		
113	13.9	0.0	42.9
114	12.2	0.0	41.2

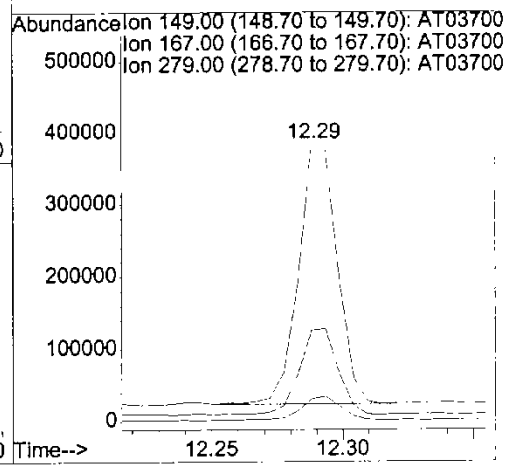


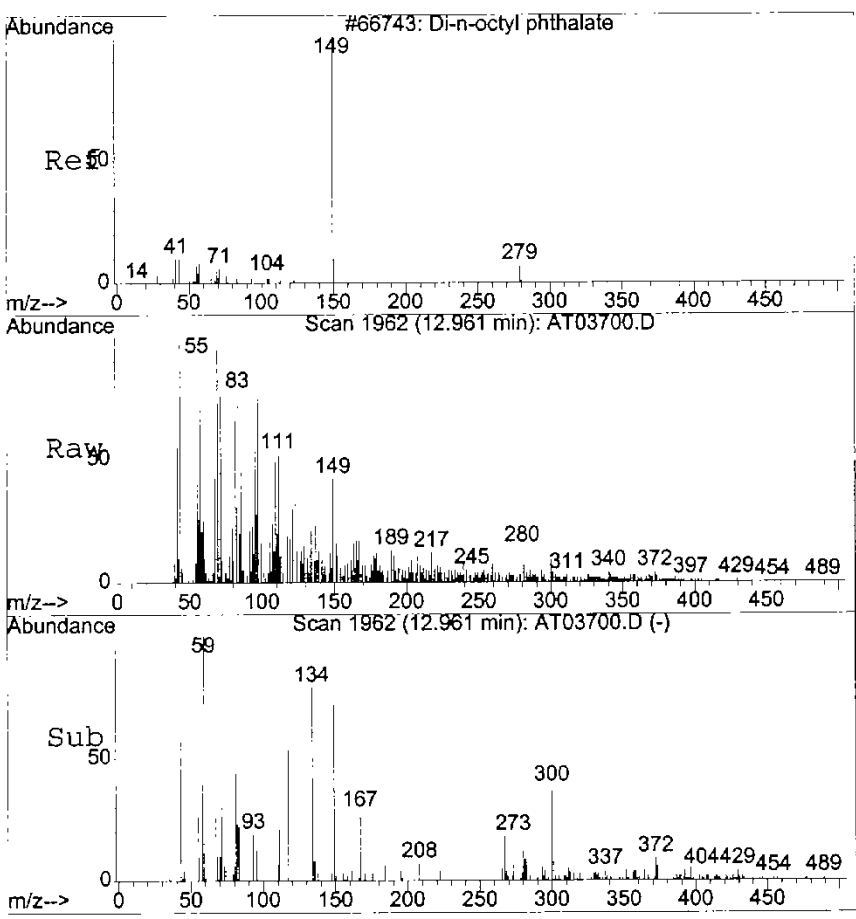


#85
bis(2-Ethylhexyl)phthalate
Concen: 873.82 ug/L
RT: 12.29 min Scan# 1836
Delta R.T. 0.00 min
Lab File: AT03700.D
Acq: 1 Mar 2005 1:42 pm

Tgt Ion:149 Resp: 366404

Ion	Ratio	Lower	Upper
149	100		
167	32.3	2.4	62.4
279	8.2	0.0	39.8

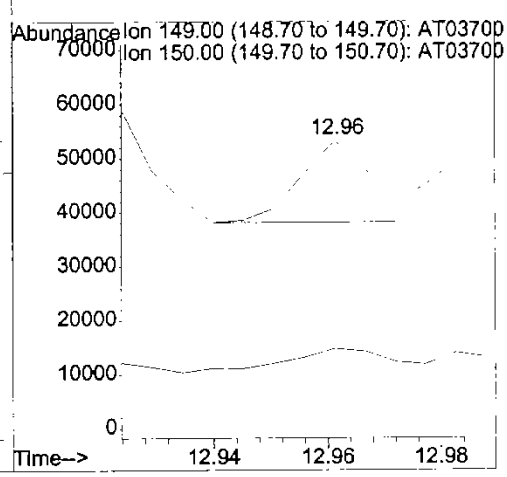


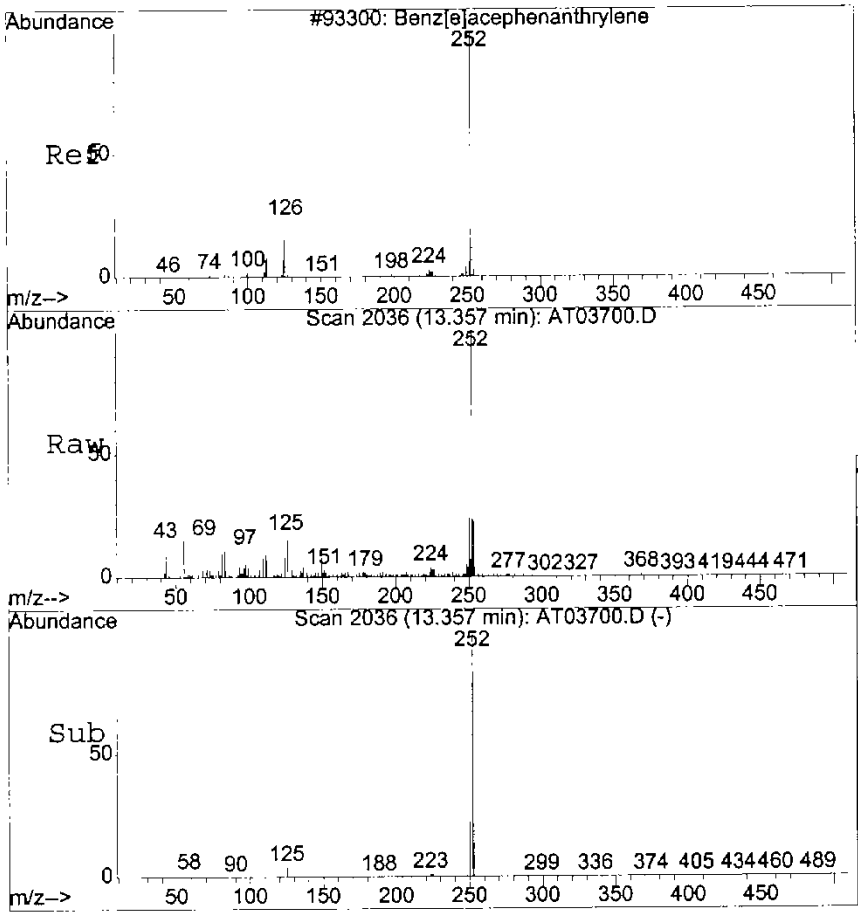


#87
Di-n-octylphthalate
Concen: 19.16 ug/L
RT: 12.96 min Scan# 1962
Delta R.T. 0.01 min
Lab File: AT03700.D
Acq: 1 Mar 2005 1:42 pm

Tgt Ion:149 Resp: 13210

Ion	Ratio	Lower	Upper
149	100		
150	22.6	0.0	39.5

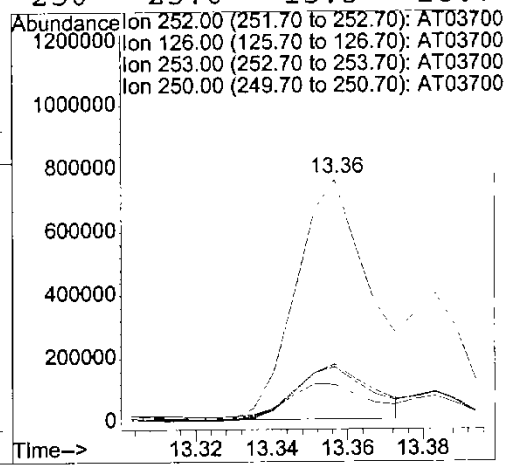


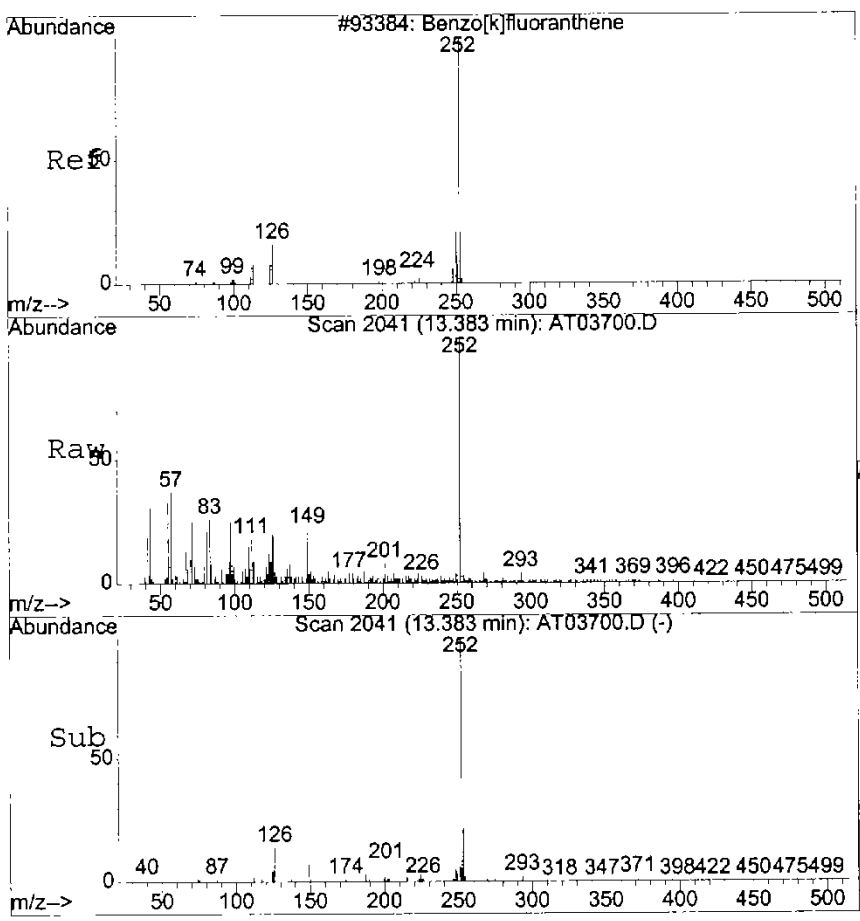


#88
Benzo(b)fluoranthene
Concen: 1321.95 ul/l
RT: 13.36 min Scan# 2036
Delta R.T. 0.02 min
Lab File: AT03700.D
Acq: 1 Mar 2005 1:42 pm

Tgt Ion:252 Resp: 1021819

Ion	Ratio	Lower	Upper
252	100		
126	13.2	11.5	21.5
253	21.8	15.2	28.2
250	23.0	15.5	28.7

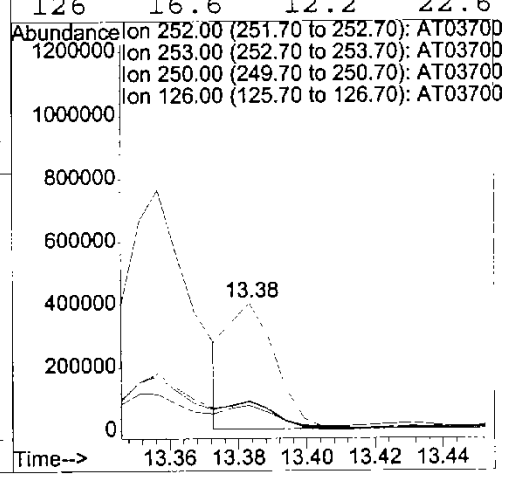


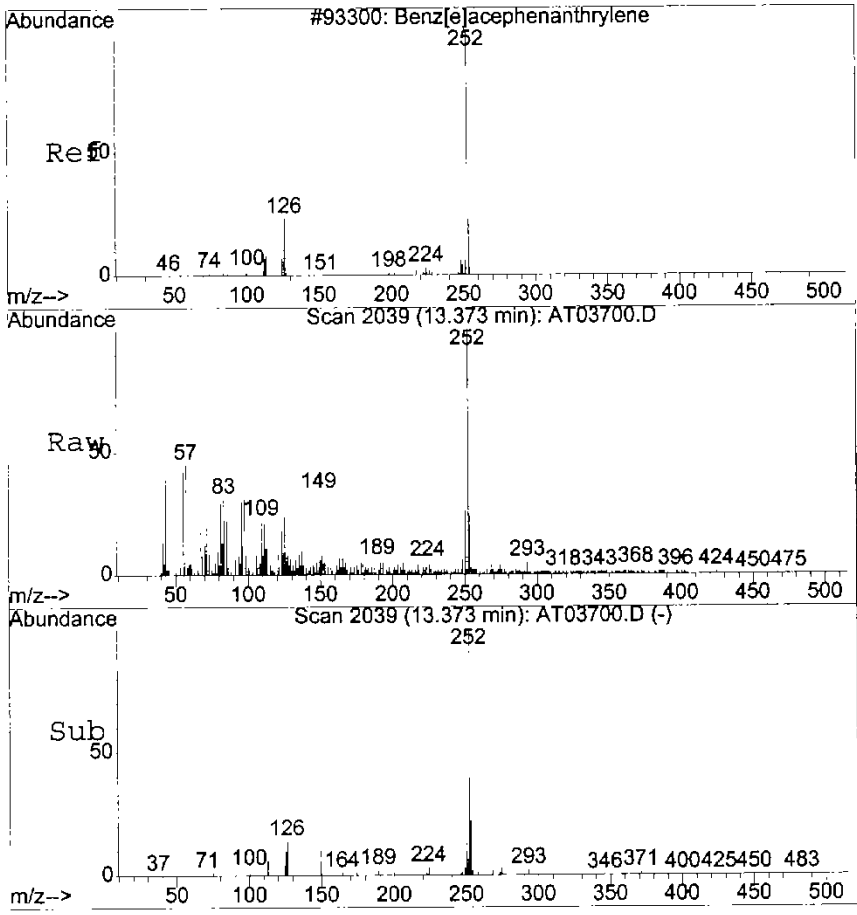


#89
benzo(k)fluoranthene
Concen: 559.80 ul/l
RT: 13.38 min Scan# 2041
Delta R.T. 0.01 min
Lab File: AT03700.D
Acq: 1 Mar 2005 1:42 pm

Tgt Ion:252 Resp: 382195

Ion	Ratio	Lower	Upper
252	100		
253	21.2	15.3	28.5
250	19.4	15.5	28.9
126	16.6	12.2	22.6

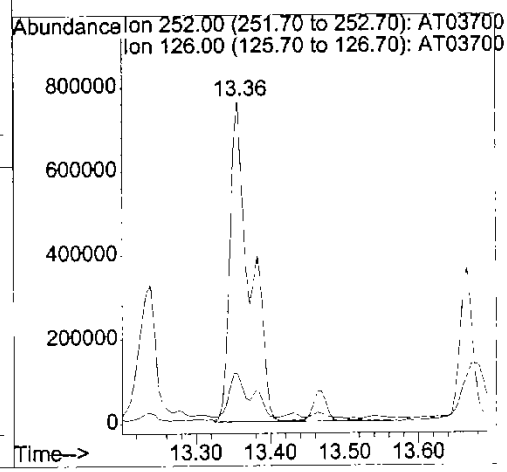


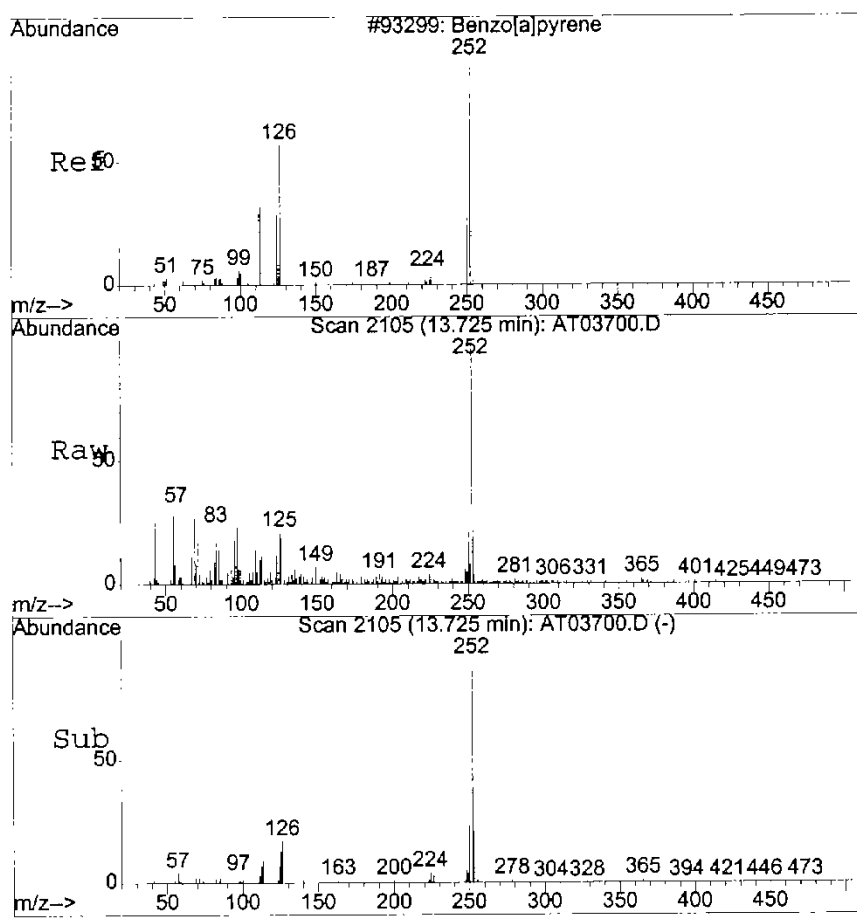


#90
Benzofluoranthenes
Concen: 2190.69 ug/L
RT: 13.37 min Scan# 2039
Delta R.T. 0.01 min
Lab File: AT03700.D
Acq: 1 Mar 2005 1:42 pm

Tgt Ion:252 Resp: 1515042

Ion	Ratio	Lower	Upper
252	100		
126	15.0	0.0	47.4

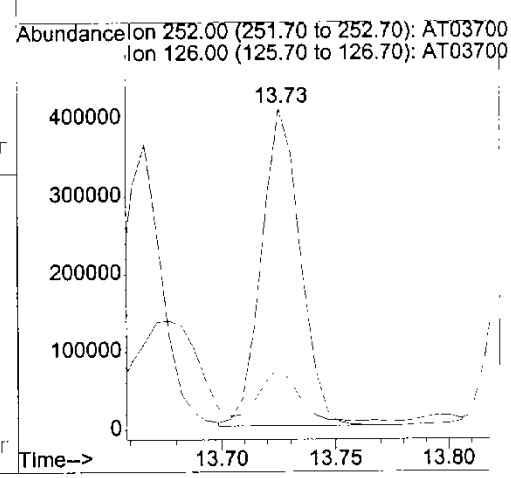


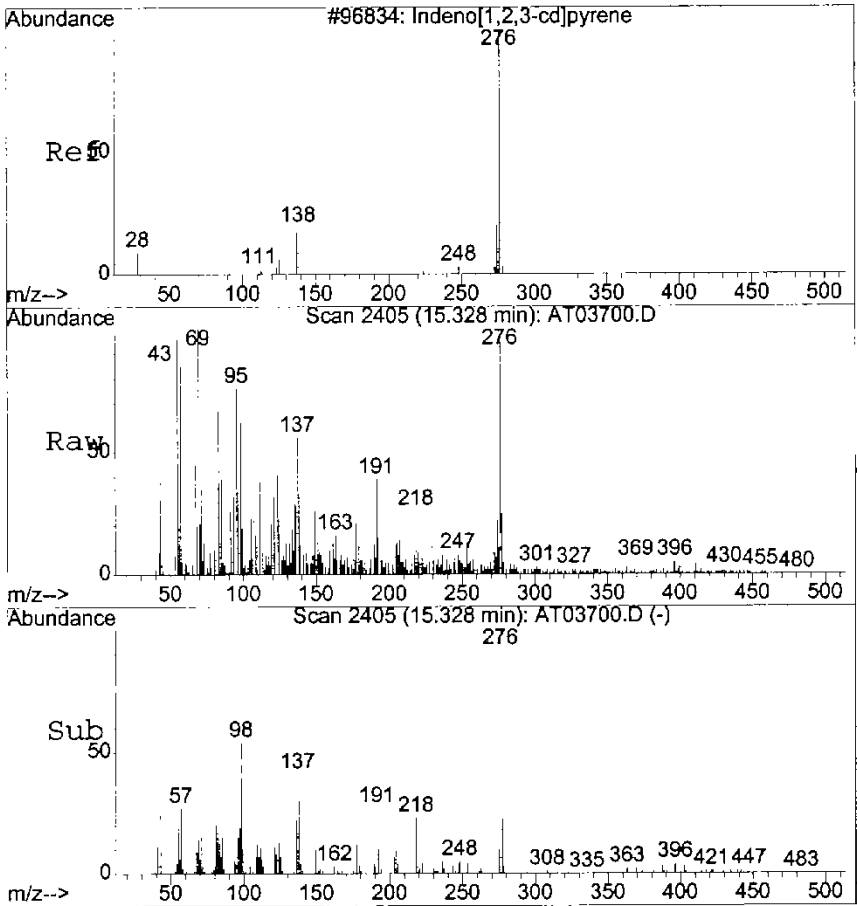


#91
Benzo(a)pyrene
Concen: 812.16 ug/L
RT: 13.73 min Scan# 2105
Delta R.T. 0.01 min
Lab File: AT03700.D
Acq: 1 Mar 2005 1:42 pm

Tgt Ion:252 Resp: 481571

Ion	Ratio	Lower	Upper
252	100		
126	15.0	0.0	45.3

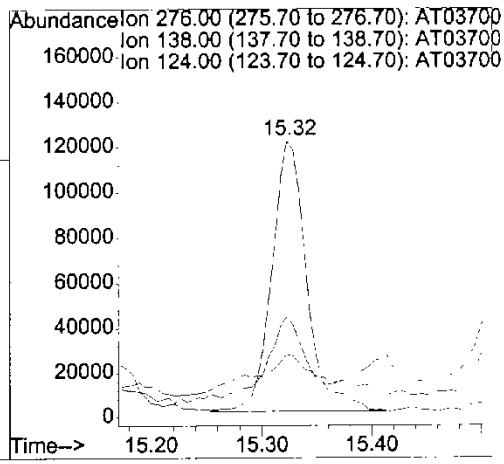


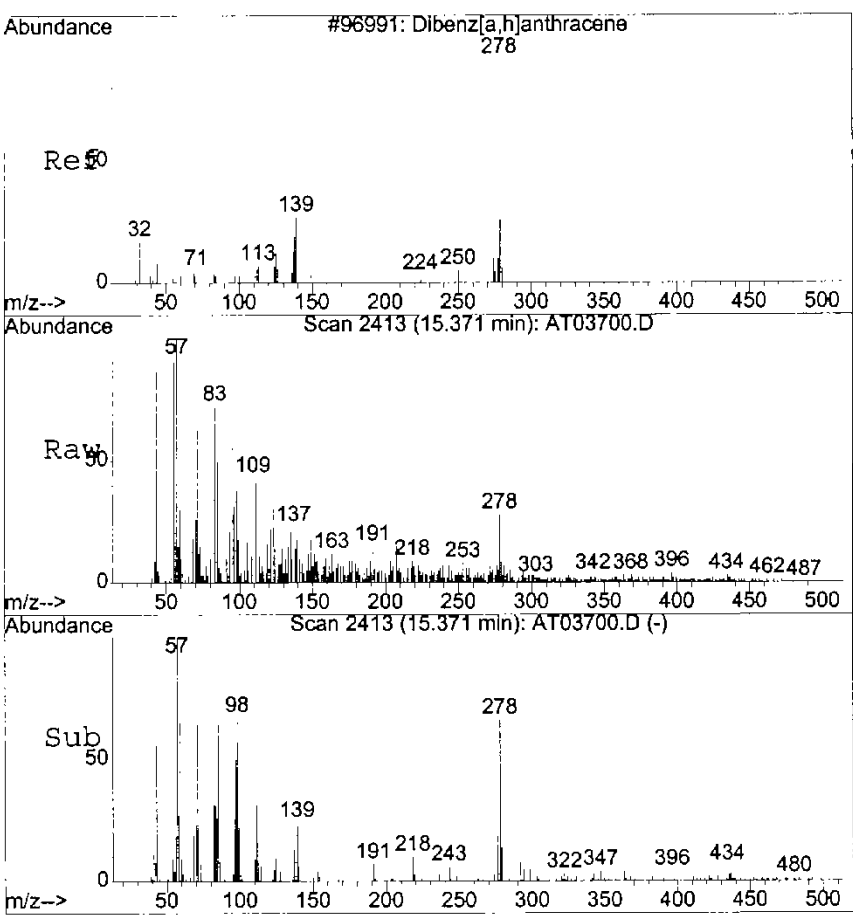


#92
Indeno(1,2,3-cd)pyrene
Concen: 422.47 ug/L
RT: 15.33 min Scan# 2405
Delta R.T. 0.03 min
Lab File: AT03700.D
Acq: 1 Mar 2005 1:42 pm

Tgt Ion:276 Resp: 265861

Ion	Ratio	Lower	Upper
276	100		
138	26.8	0.0	51.8
124	8.9	0.0	35.4

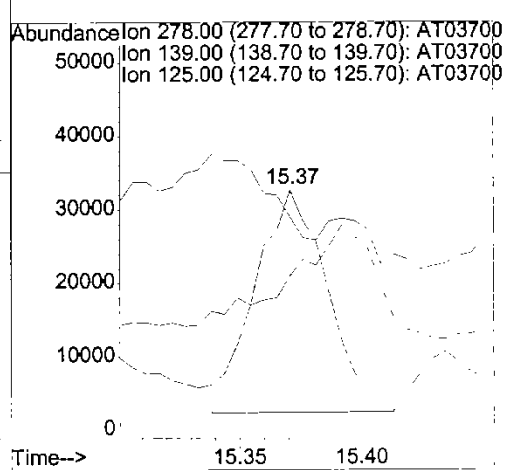


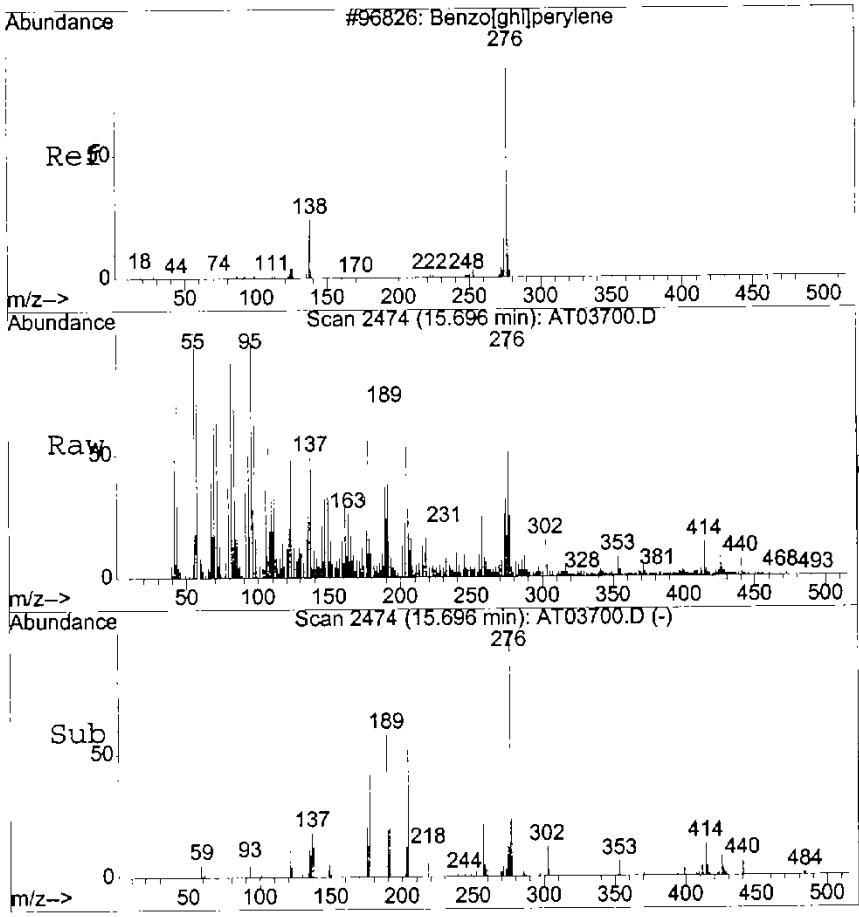


#93
Dibenz(a,h)anthracene
Concen: 102.37 ug/L
RT: 15.37 min Scan# 2413
Delta R.T. 0.02 min
Lab File: AT03700.D
Acq: 1 Mar 2005 1:42 pm

Tgt Ion:278 Resp: 62731

Ion	Ratio	Lower	Upper
278	100		
139	19.2	0.0	46.7
125	0.0	0.0	35.8

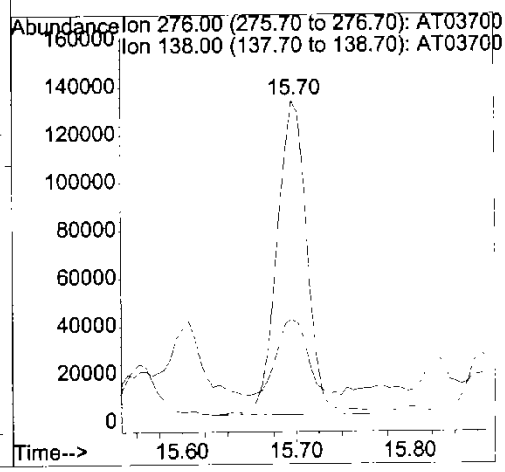




#94
Benzo(g,h,i)perylene
Concen: 366.62 ug/L
RT: 15.70 min Scan# 2474
Delta R.T. 0.04 min
Lab File: AT03700.D
Acq: 1 Mar 2005 1:42 pm

Tgt Ion:276 Resp: 242796

Ion	Ratio	Lower	Upper
276	100		
138	21.8	0.0	54.3



Quantitation Report (Not Reviewed)

Data File : H:\DATA\022505_A\AT03681.D
Acq On : 25 Feb 2005 5:38 pm
Sample : 126377-7 &1
Misc :
MS Integration Params: Rteint.p
Quant Time: Feb 28 06:58:33 2005

Vial: 22
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: 8270_022505.RES

Quant Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Fri Feb 25 12:17:02 2005
Response via : Initial Calibration
DataAcq Meth : 8270EXT

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4 (I)	5.55	152	266082	1000.000 ug/L	0.00
23) Naphthalene - d8 (I)	6.66	136	1032311	1000.000 ug/L	0.00
39) Acenaphthene - d10 (I)	8.13	162	554647	1000.000 ug/L	0.00
63) Phenanthrene - d10 (I)	9.45	188	1017302	1000.000 ug/L	0.00
80) Chrysene - d12 (I)	12.34	240	1113386	1000.000 ul/l	0.01
86) Perylene - d12 (I)	14.02	264	1070142	1000.000 ug/L	0.02
System Monitoring Compounds					
4) 2 - Fluorophenol (S)	4.30	112	83516	374.87 ug/L	-0.03
8) Phenol - d5 (S)	5.25	99	133392	531.96 ug/L	0.00
24) Nitrobenzene - d5 (S)	6.05	82	58572	276.72 ug/L	-0.01
44) 2 - Fluorobiphenyl (S)	7.58	172	227291	379.80 ug/L	0.00
66) 2,4,6 - Tribromophenol (S)	8.80	330	64701	656.92 ug/L	0.00
79) p - Terphenyl - d14 (S)	11.16	244	384789	624.73 ug/L	0.00
Target Compounds					Qvalue
5) Cyclohexanone	4.56	55	4090	23.431 ul/L	84
6) Benzaldehyde	5.16	105	137156	680.808 ul/L	99
9) Phenol	5.27	94	20302	75.934 ug/L	70
12) Decane	5.43	57	8273	30.564 ul/L	91
13) 1,3-Dichlorobenzene	5.50	146	1648	5.313 ug/L	76
15) Benzyl alcohol	5.70	79	21440	150.868 ug/L	97
17) 2-Methylphenol	5.81	108	1950	9.755 ug/L	81
19) 3-&4-Methylphenol	5.95	108	23910	132.504 ug/L	86
26) Isophorone	6.28	82	6023	14.147 ug/L	81
27) 2-Nitrophenol	6.30	139	2368	20.091 ug/L	80
28) 2,4-Dimethylphenol	6.41	107	1403	34.670 ug/L	82
30) Benzoic Acid	6.47	105	58456	853.882 ug/L	88
32) 1,2,4-Trichlorobenzene	6.62	180	2904	10.998 ug/L	88
33) Naphthalene	6.68	128	43385	54.454 ug/L	100
37) 2-Methylnaphthalene	7.27	141	15530	36.789 ug/L	93
38) 1-Methylnaphthalene	7.35	141	10128	23.028 ul/l	97
45) 2-Chloronaphthalene	7.72	162	6240	12.884 ug/L	61
46) Biphenyl	7.66	154	13201	21.231 ul/L	100
47) 2-Nitroaniline	7.78	138	1059	28.764 ug/L	70
48) Dimethylphthalate	7.92	163	3825	7.344 ug/L	45
49) Acenaphthylene	8.01	152	13617	17.801 ug/L	94
51) 3-Nitroaniline	8.09	138	1295	Below Cal #	8
52) Acenaphthene	8.15	153	18877	37.504 ug/L	97
53) 2,4-Dinitrophenol	8.21	184	1636	371.429 ug/L	51
55) Dibenzofuran	8.30	168	23176	34.370 ug/L	96
59) Diethylphthalate	8.51	149	34579	62.772 ug/L	96

(#) = qualifier out of range (m) = manual integration

00656

Quantitation Report (Not Reviewed)

Data File : H:\DATA\022505_A\AT03681.D
Acq On : 25 Feb 2005 5:38 pm
Sample : 126377-7 &1
Misc :
MS Integration Params: Rteint.p
Quant Time: Feb 28 06:58:33 2005

Vial: 22
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: 8270_022505.RES

Quant Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Fri Feb 25 12:17:02 2005
Response via : Initial Calibration
DataAcq Meth : 8270EXT

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
60)	Fluorene	8.59	166	34531	66.541 ug/L	89
62)	4-Nitroaniline	8.80	138	381	5.136 ug/L	69
70)	Pentachlorophenol	9.28	266	2782	30.314 ug/L	64
71)	Phenanthrene	9.47	178	181524	218.863 ug/L	98
72)	Anthracene	9.53	178	35257	46.869 ug/L	85
73)	Octadecane	9.38	57	62264	258.688 ul/L	88
74)	Carbazole	9.69	167	13614	26.734 ug/L	81
75)	Di-n-butylphthalate	10.08	149	3564015	3997.588 ug/L E	100
76)	Fluoranthene	10.72	202	302585	357.451 ug/L	99
77)	Pyrene	10.95	202	321376	366.026 ug/L	99
81)	Butylbenzylphthalate	11.74	149	38591	164.933 ug/L	99
82)	Benzo(a)anthracene	12.33	228	147764	182.694 ug/L	80
83)	3,3'-Dichlorobenzidine	12.14	252	1187	32.488 ug/L	90
84)	Chrysene	12.37	228	263699	312.797 ug/L	98
85)	bis(2-Ethylhexyl)phthalate	12.45	149	414794	794.050 ug/L	96
87)	Di-n-octylphthalate	13.15	149	21658	~~26.117 ug/L~~	74
88)	Benzo(b)fluoranthene	13.54	252	274337	304.828 ul/l	96
89)	benzo(k)fluoranthene	13.58	252	82774	100.776 ul/l	94
90)	Benzofluoranthenes	13.56	252	390465	469.305 ug/L	95
91)	Benzo(a)pyrene	13.94	252	148017	207.497 ug/L	91
93)	Dibenz(a,h)anthracene	15.47	278	19179	~~35.443 ug/L~~	57
94)	Benzo(g,h,i)perylene	15.97	276	132920	166.834 ug/L	68

2/28/05

(#) = qualifier out of range (m) = manual integration

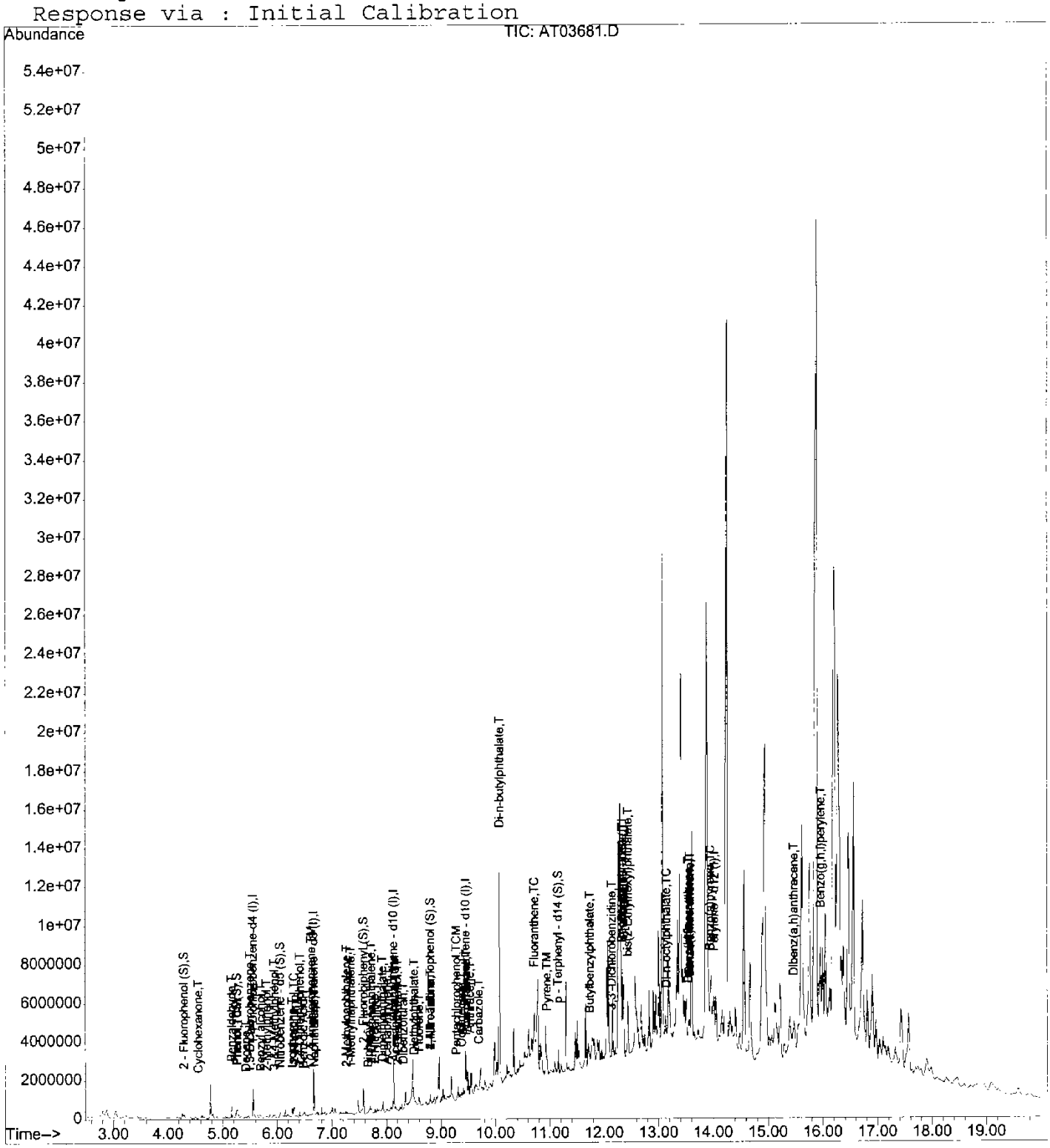
00657

Quantitation Report (Not Reviewed)

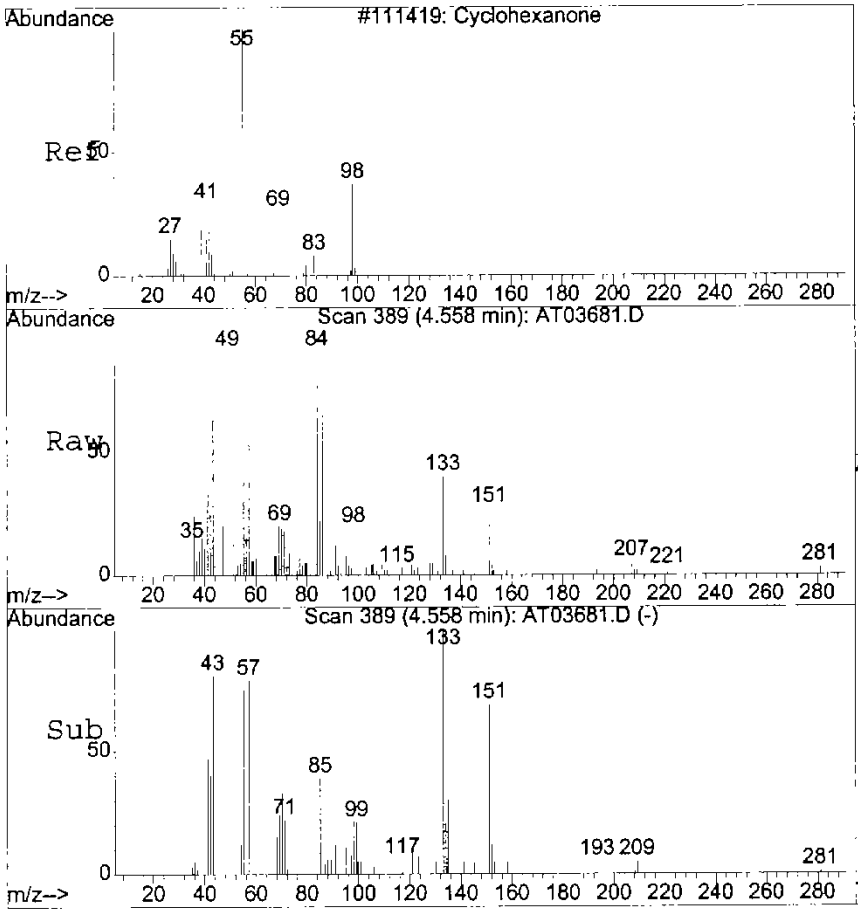
Data File : H:\DATA\022505_A\AT03681.D
Acq On : 25 Feb 2005 5:38 pm
Sample : 126377-7 &1
Misc :
MS Integration Params: Rteint.p
Quant Time: Feb 28 7:00 2005

Vial: 22
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: 8270_022505.

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Fri Feb 25 12:17:02 2005
Response via : Initial Calibration



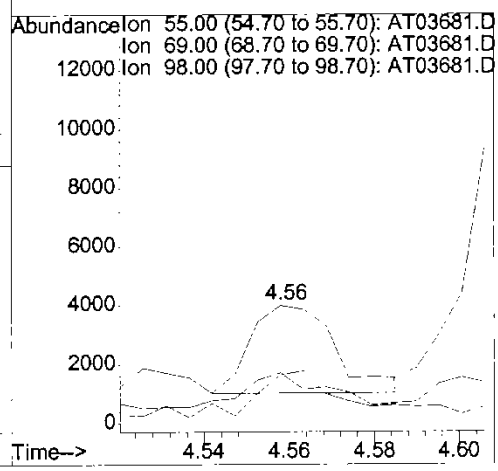
008658

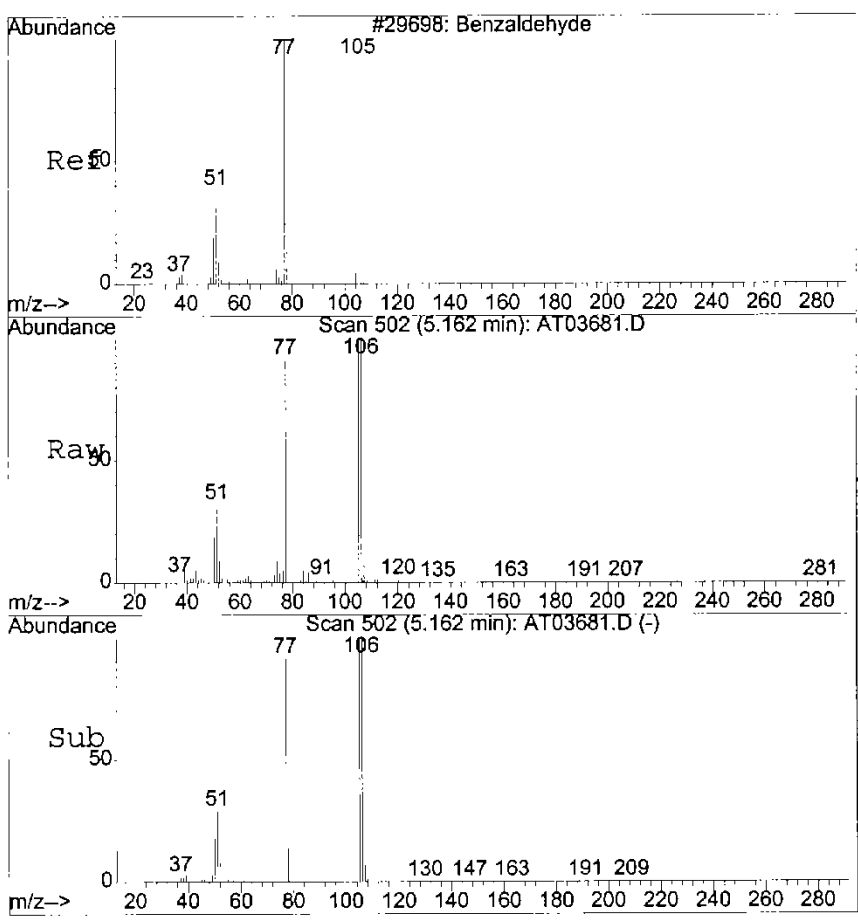


#5
Cyclohexanone
Concen: 23.43 ul/L
RT: 4.56 min Scan# 389
Delta R.T. -0.02 min
Lab File: AT03681.D
Acq: 25 Feb 2005 5:38 pm

Tgt Ion: 55 Resp: 4090

Ion	Ratio	Lower	Upper
55	100		
69	36.6	4.6	64.6
98	37.0	24.8	84.8

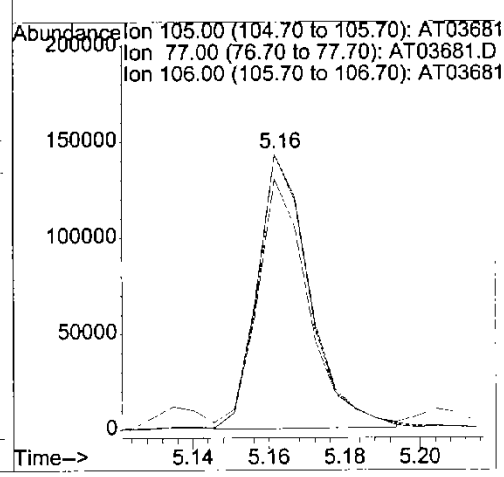




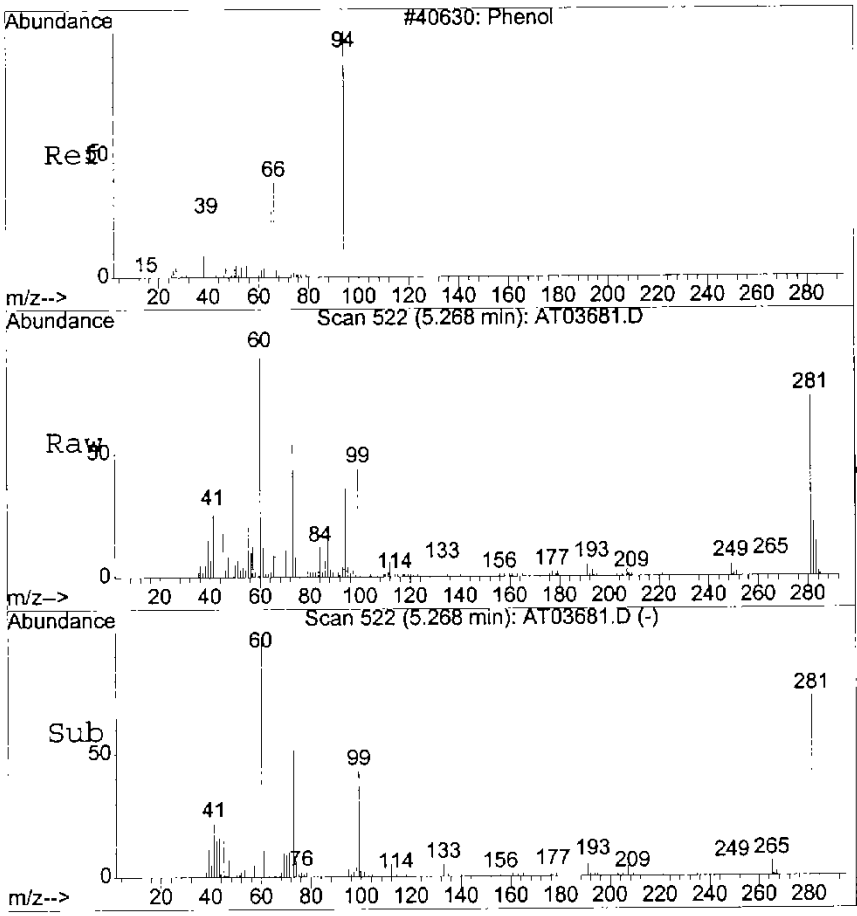
#6
Benzaldehyde
Concen: 680.81 ul/L
RT: 5.16 min Scan# 502
Delta R.T. -0.02 min
Lab File: AT03681.D
Acq: 25 Feb 2005 5:38 pm

Tgt Ion:105 Resp: 137156

Ion	Ratio	Lower	Upper
105	100		
77	91.7	63.9	123.9
106	102.2	72.0	132.0



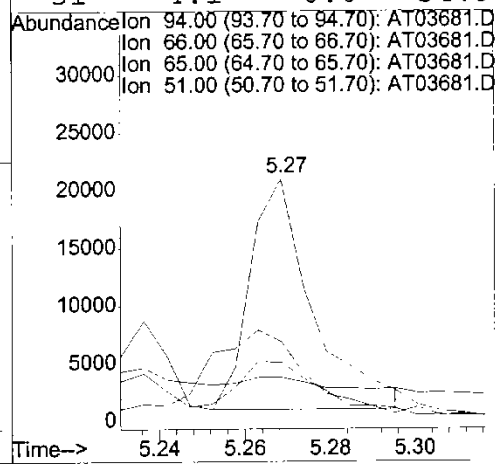
00659

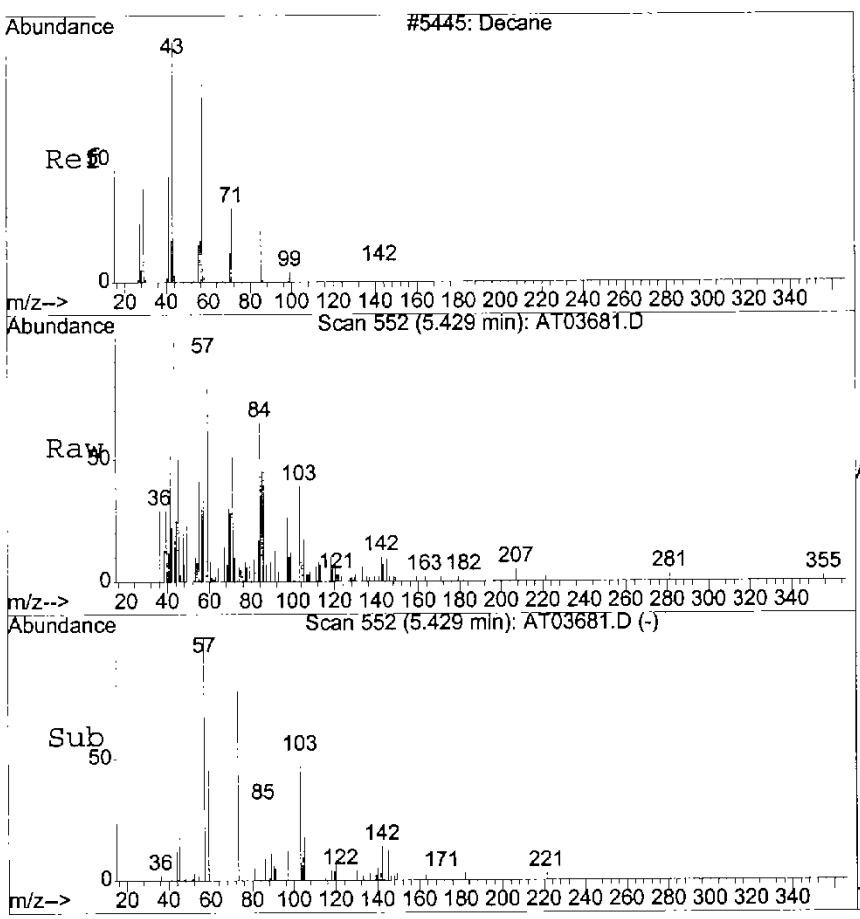


#9
Phenol
Concen: 75.93 ug/L
RT: 5.27 min Scan# 522
Delta R.T. -0.00 min
Lab File: AT03681.D
Acq: 25 Feb 2005 5:38 pm

Tgt Ion: 94 Resp: 20302

Ion	Ratio	Lower	Upper
94	100		
66	18.6	14.1	74.1
65	19.8	1.3	61.3
51	4.1	0.0	34.9

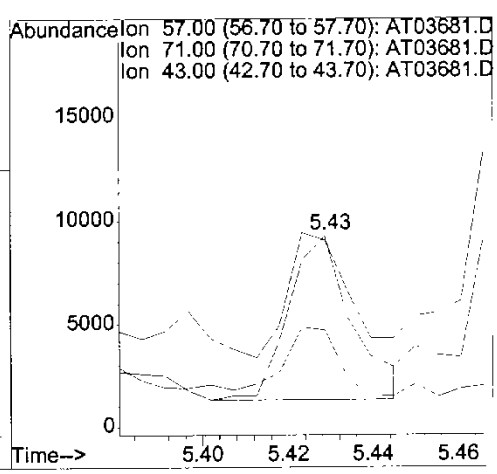


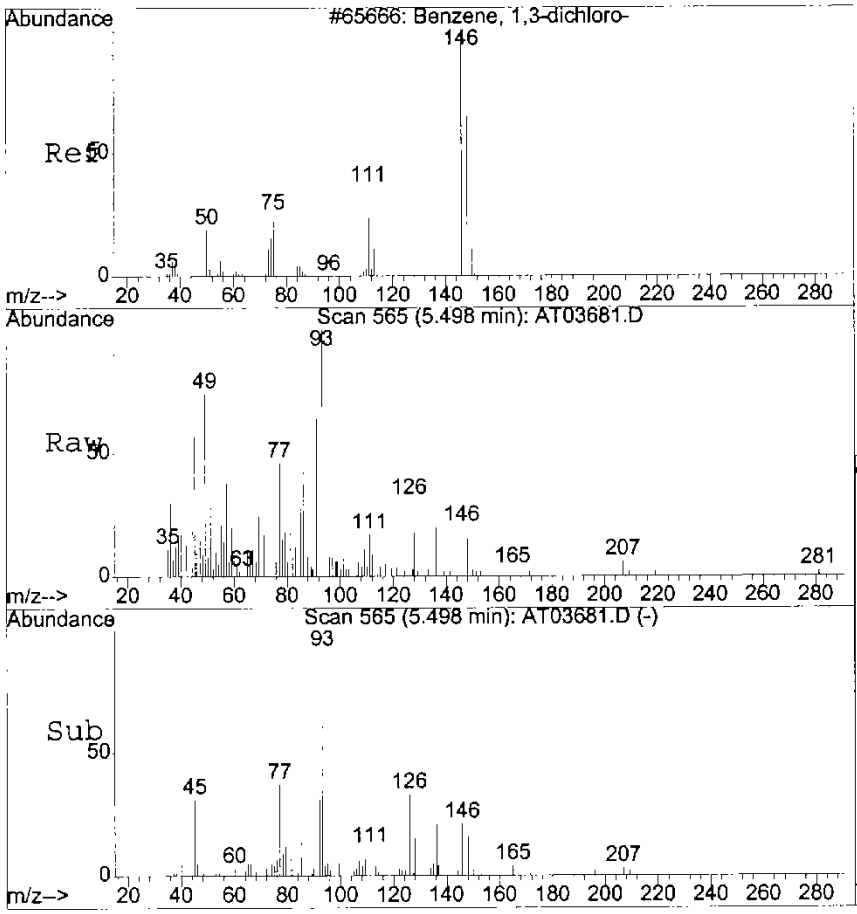


#12
Decane
Concen: 30.56 ul/L
RT: 5.43 min Scan# 552
Delta R.T. -0.00 min
Lab File: AT03681.D
Acq: 25 Feb 2005 5:38 pm

Tgt Ion: 57 Resp: 8273

Ion	Ratio	Lower	Upper
57	100		
71	37.4	13.9	73.9
43	71.3	48.7	108.7

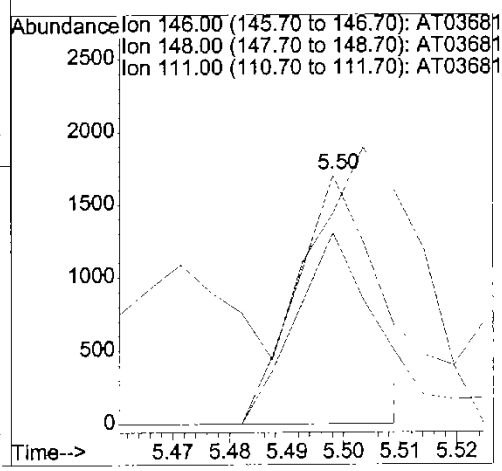


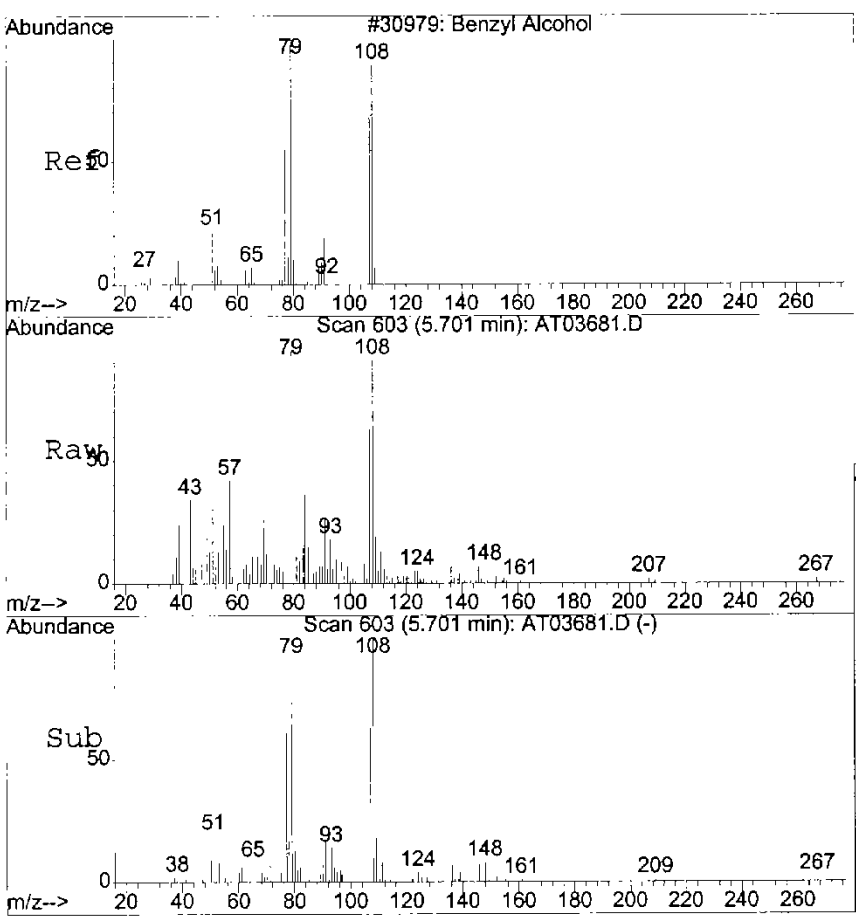


#13
1,3-Dichlorobenzene
Concen: 5.31 ug/L
RT: 5.50 min Scan# 565
Delta R.T. -0.01 min
Lab File: AT03681.D
Acq: 25 Feb 2005 5:38 pm

Tgt Ion:146 Resp: 1648

Ion	Ratio	Lower	Upper
146	100		
148	77.1	35.2	95.2
111	13.6	7.4	67.4

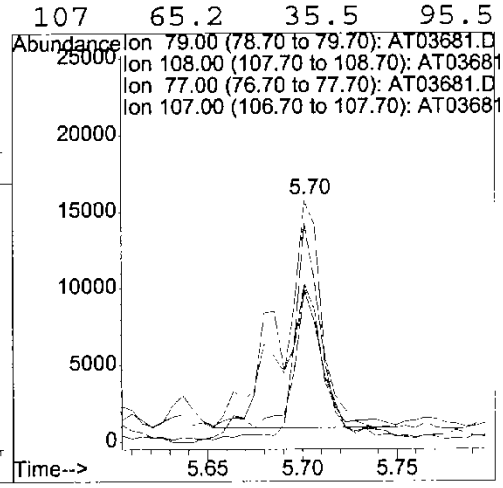




#15
Benzyl alcohol
Concen: 150.87 ug/L
RT: 5.70 min Scan# 603
Delta R.T. 0.00 min
Lab File: AT03681.D
Acq: 25 Feb 2005 5:38 pm

Tgt Ion: 79 Resp: 21440

Ion	Ratio	Lower	Upper
79	100		
108	94.8	62.2	122.2
77	63.3	29.8	89.8
107	65.2	35.5	95.5



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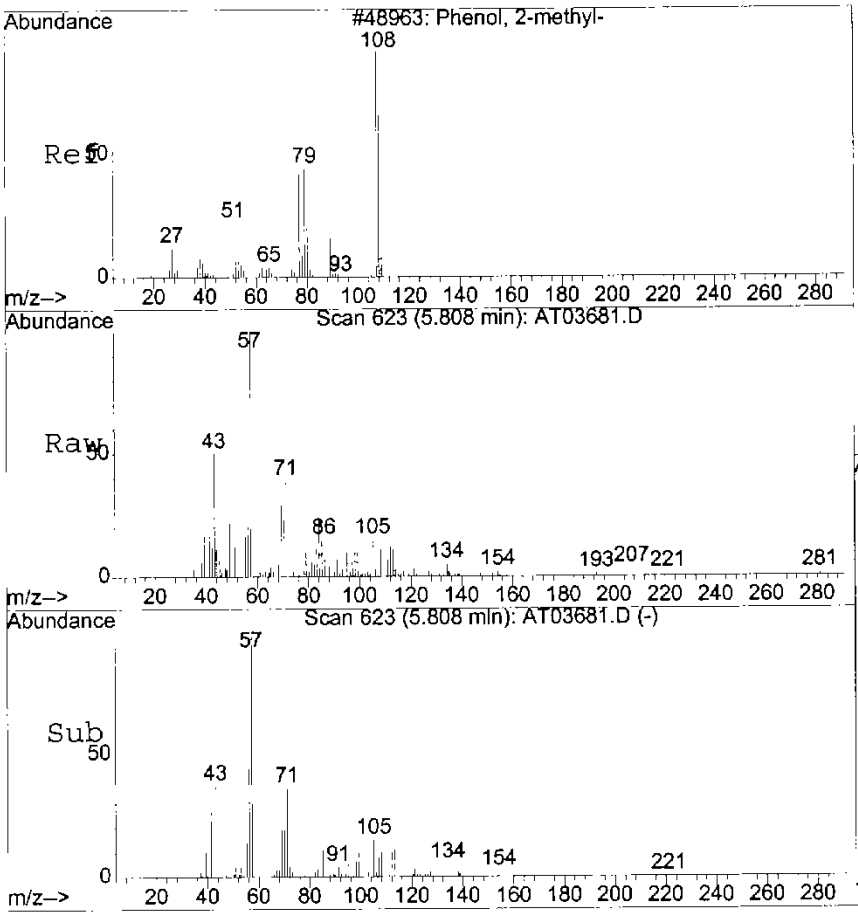
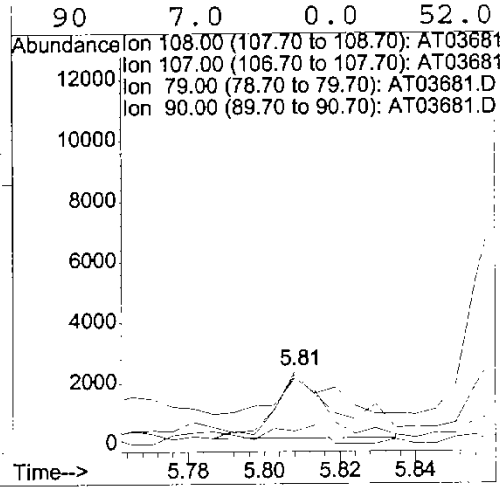
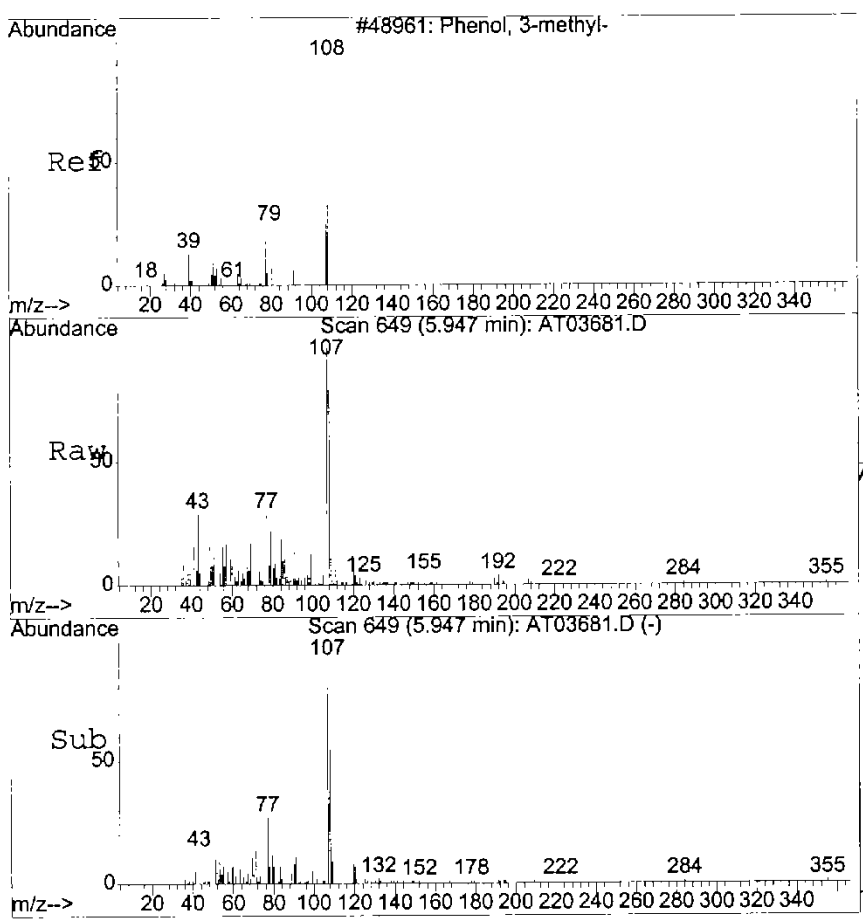


#17
2-Methylphenol
Concen: 9.75 ug/L
RT: 5.81 min Scan# 623
Delta R.T. 0.00 min
Lab File: AT03681.D
Acq: 25 Feb 2005 5:38 pm

Tgt Ion:108 Resp: 1950

Ion	Ratio	Lower	Upper
108	100		
107	81.4	58.0	118.0
79	54.8	0.4	60.4
90	7.0	0.0	52.0

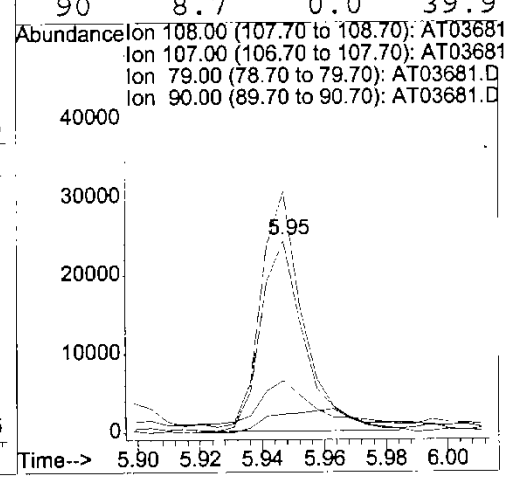


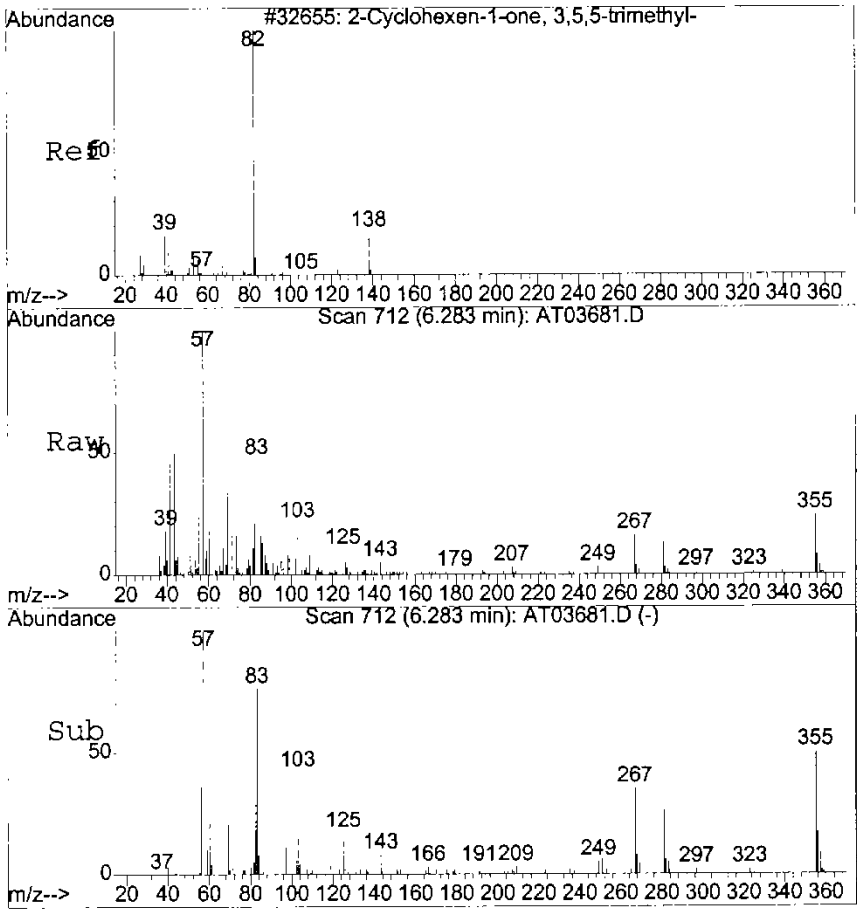


#19
3-&4-Methylphenol
Concen: 132.50 ug/L
RT: 5.95 min Scan# 649
Delta R.T. 0.01 min
Lab File: AT03681.D
Acq: 25 Feb 2005 5:38 pm

Tgt Ion:108 Resp: 23910

Ion	Ratio	Lower	Upper
108	100		
107	123.3	75.6	135.6
79	22.9	0.0	55.6
90	8.7	0.0	39.9

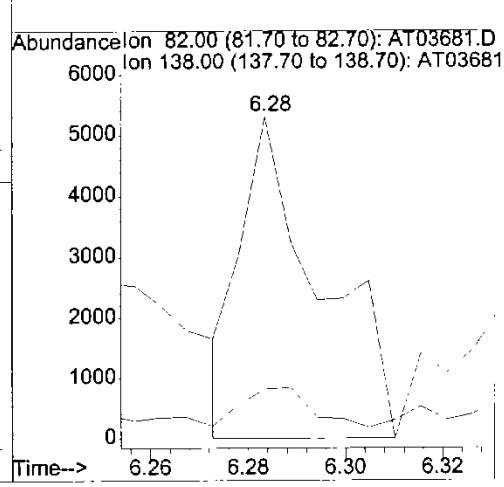


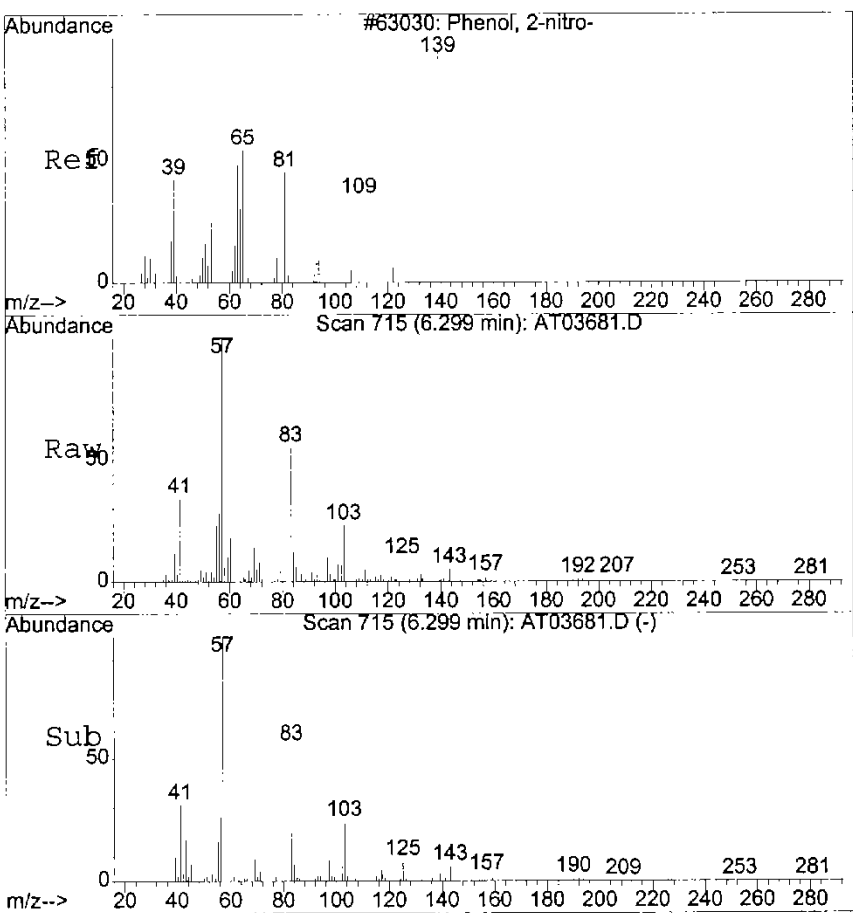


#26
Isophorone
Concen: 14.15 ug/L
RT: 6.28 min Scan# 712
Delta R.T. -0.00 min
Lab File: AT03681.D
Acq: 25 Feb 2005 5:38 pm

Tgt Ion: 82 Resp: 6023

Ion	Ratio	Lower	Upper
82	100		
138	12.7	0.0	51.7

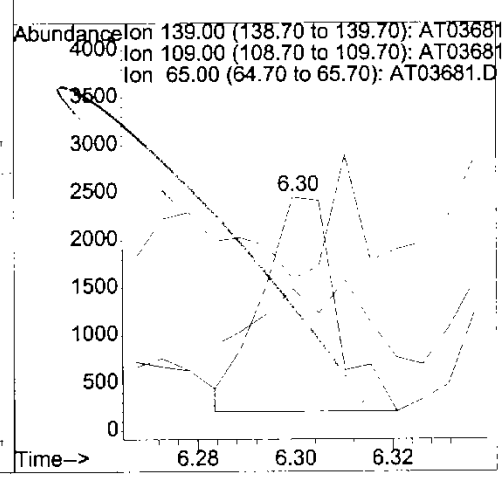




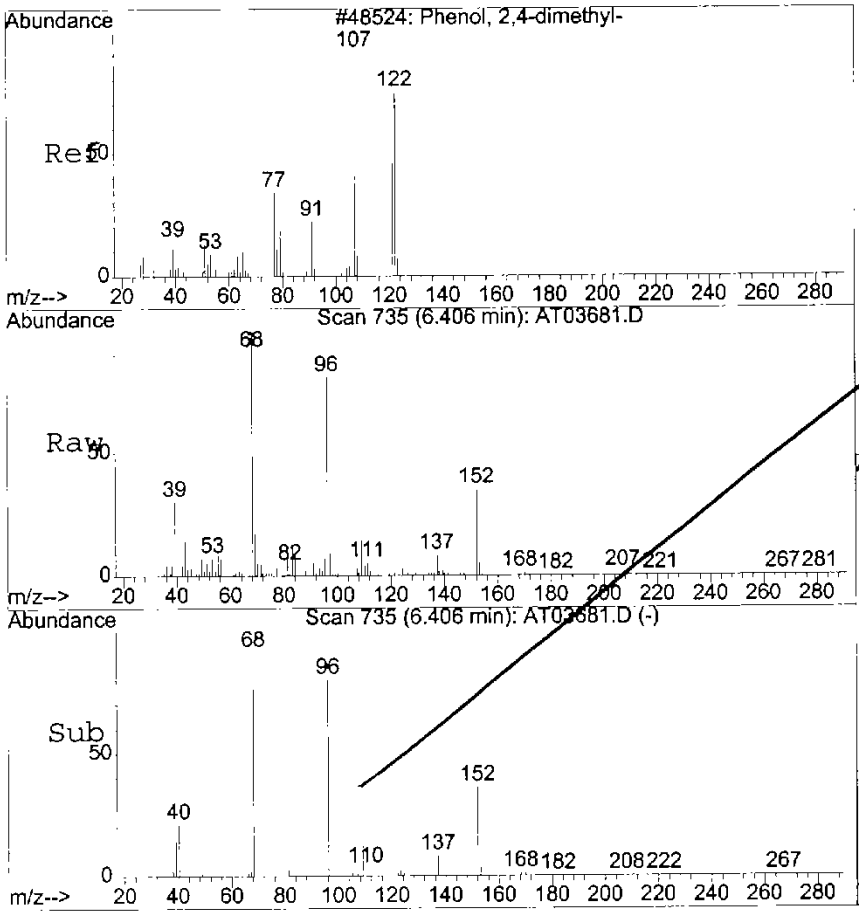
#27
2-Nitrophenol
Concen: 20.09 ug/L
RT: 6.30 min Scan# 715
Delta R.T. -0.05 min
Lab File: AT03681.D
Acq: 25 Feb 2005 5:38 pm

Tgt Ion:139 Resp: 2368

Ion	Ratio	Lower	Upper
139	100		
109	0.0	0.0	49.5
65	30.7	4.3	64.3



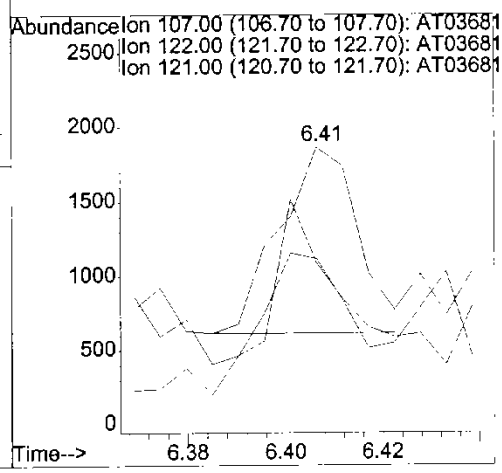
00663

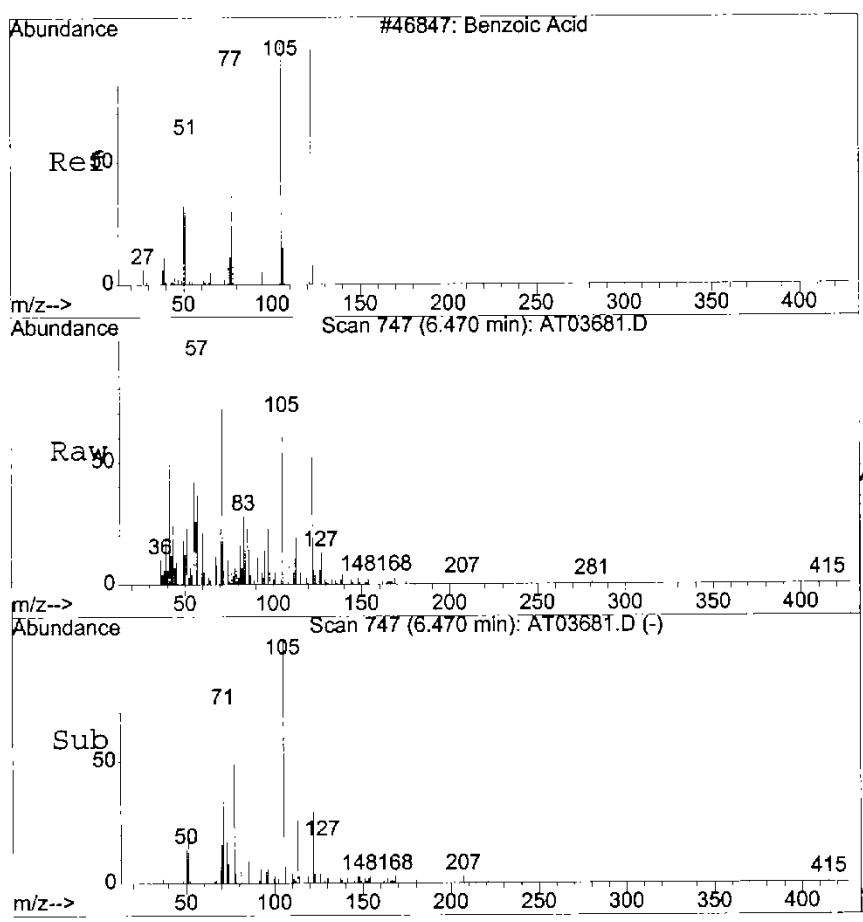


#28
2,4-Dimethylphenol
Concen: 34.67 ug/L
RT: 6.41 min Scan# 735
Delta R.T. 0.01 min
Lab File: AT03681.D
Acq: 25 Feb 2005 5:38 pm

Tgt Ion:107 Resp: 1403

Ion	Ratio	Lower	Upper
107	100		
122	59.2	55.5	115.5
121	54.5	23.6	83.6

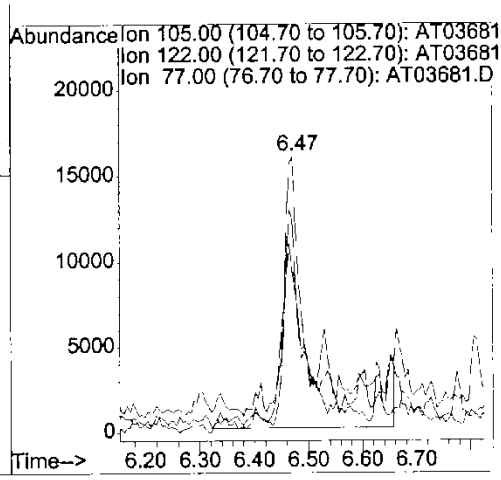


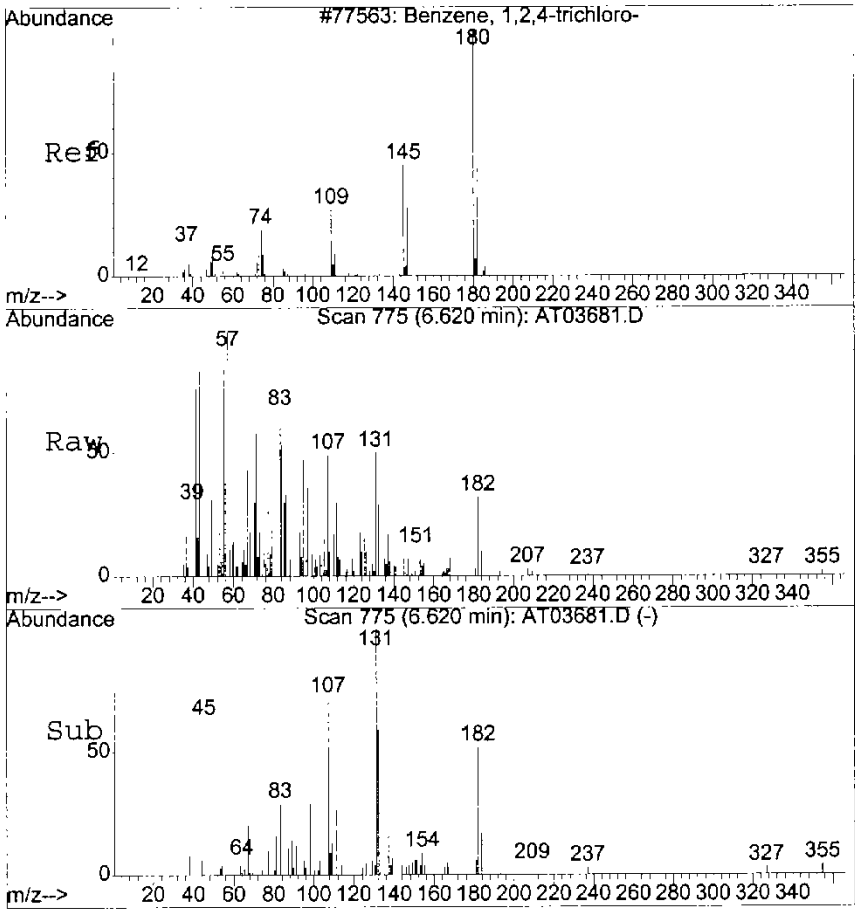


#30
Benzoic Acid
Concen: 853.88 ug/L
RT: 6.47 min Scan# 747
Delta R.T. -0.03 min
Lab File: AT03681.D
Acq: 25 Feb 2005 5:38 pm

Tgt Ion:105 Resp: 58456

Ion	Ratio	Lower	Upper
105	100		
122	83.5	58.0	118.0
77	47.5	34.2	94.2

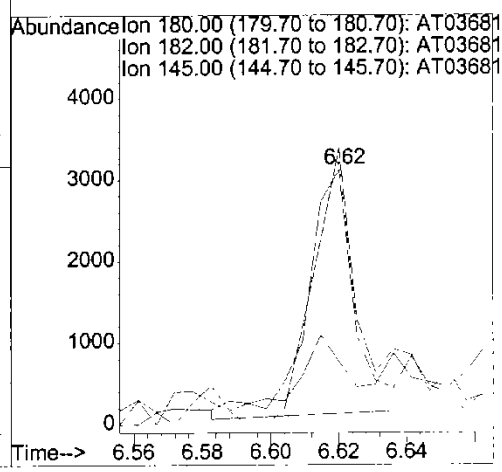


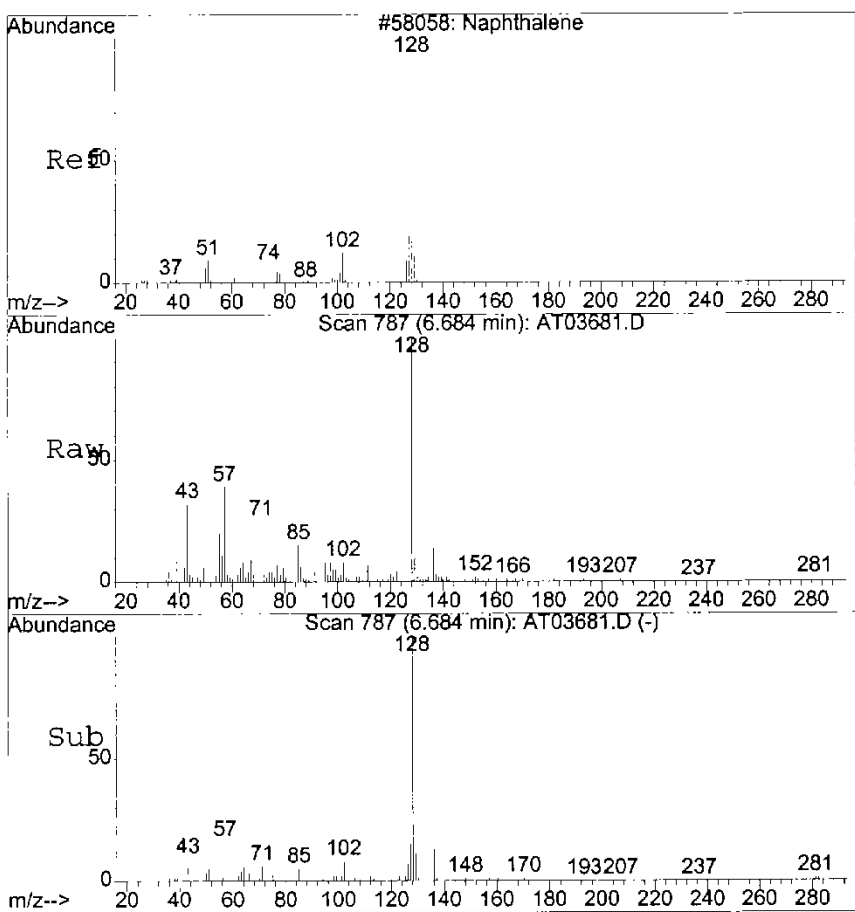


#32
1,2,4-Trichlorobenzene
Concen: 11.00 ug/L
RT: 6.62 min Scan# 775
Delta R.T. -0.00 min
Lab File: AT03681.D
Acq: 25 Feb 2005 5:38 pm

Tgt Ion:180 Resp: 2904

Ion	Ratio	Lower	Upper
180	100		
182	99.6	67.2	127.2
145	3.4	0.0	57.2

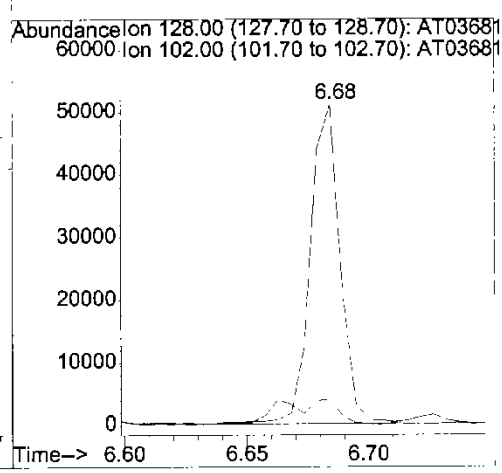


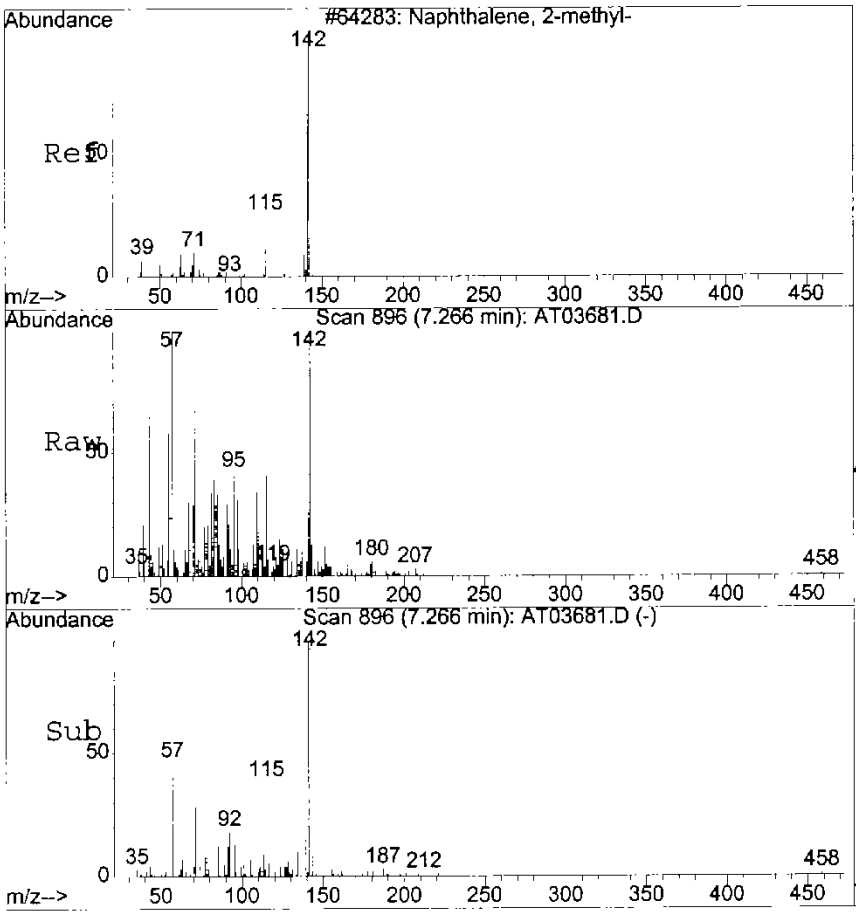


#33
Naphthalene
Concen: 54.45 ug/L
RT: 6.68 min Scan# 787
Delta R.T. 0.00 min
Lab File: AT03681.D
Acq: 25 Feb 2005 5:38 pm

Tgt Ion:128 Resp: 43385

Ion	Ratio	Lower	Upper
128	100		
102	7.7	0.0	37.8

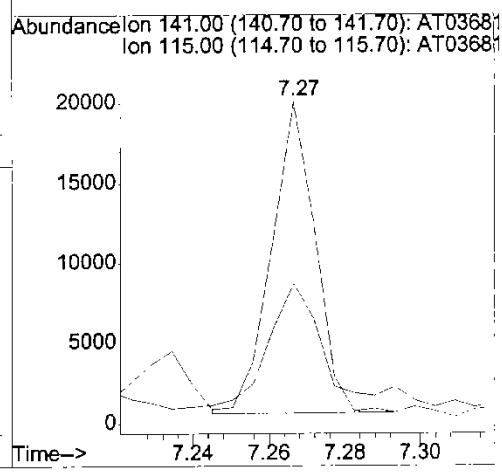


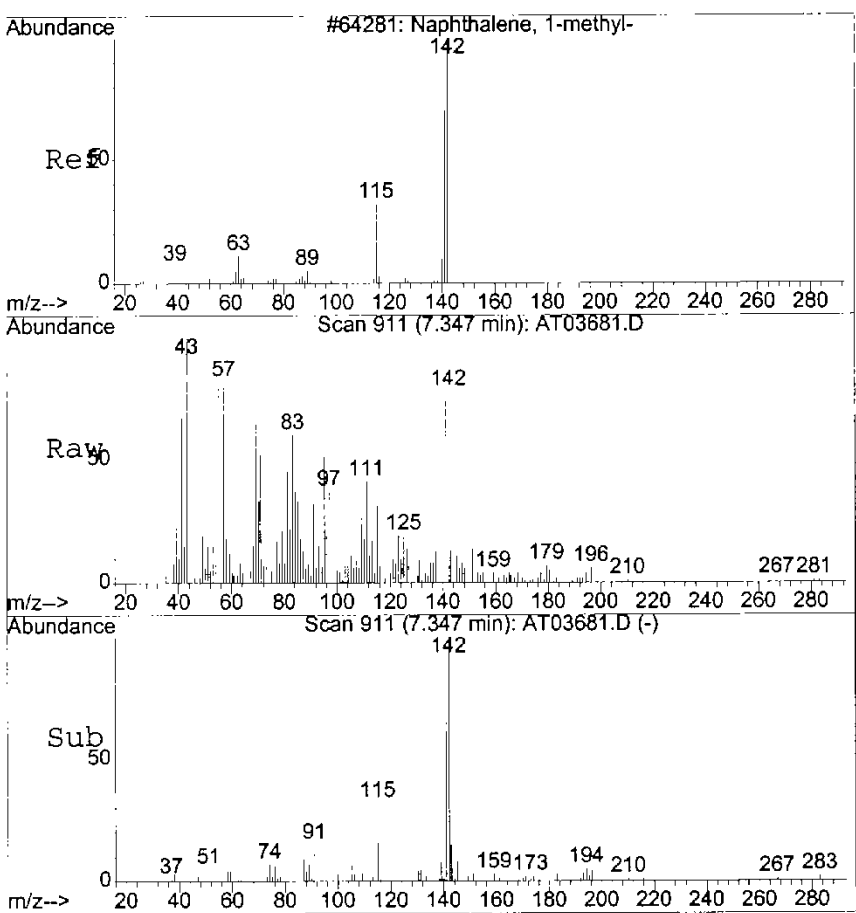


#37
2-Methylnaphthalene
Concen: 36.79 ug/L
RT: 7.27 min Scan# 896
Delta R.T. 0.01 min
Lab File: AT03681.D
Acq: 25 Feb 2005 5:38 pm

Tgt Ion:141 Resp: 15530

Ion	Ratio	Lower	Upper
141	100		
115	36.3	2.2	62.2

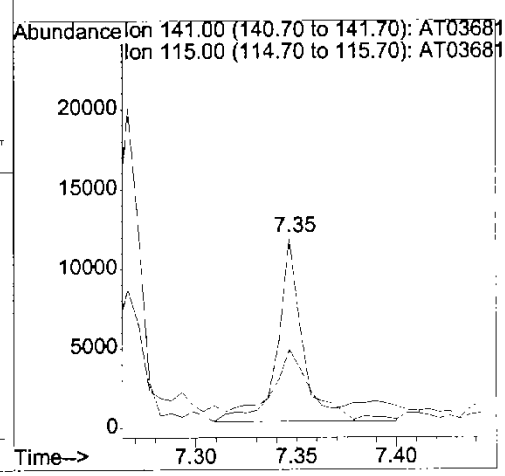


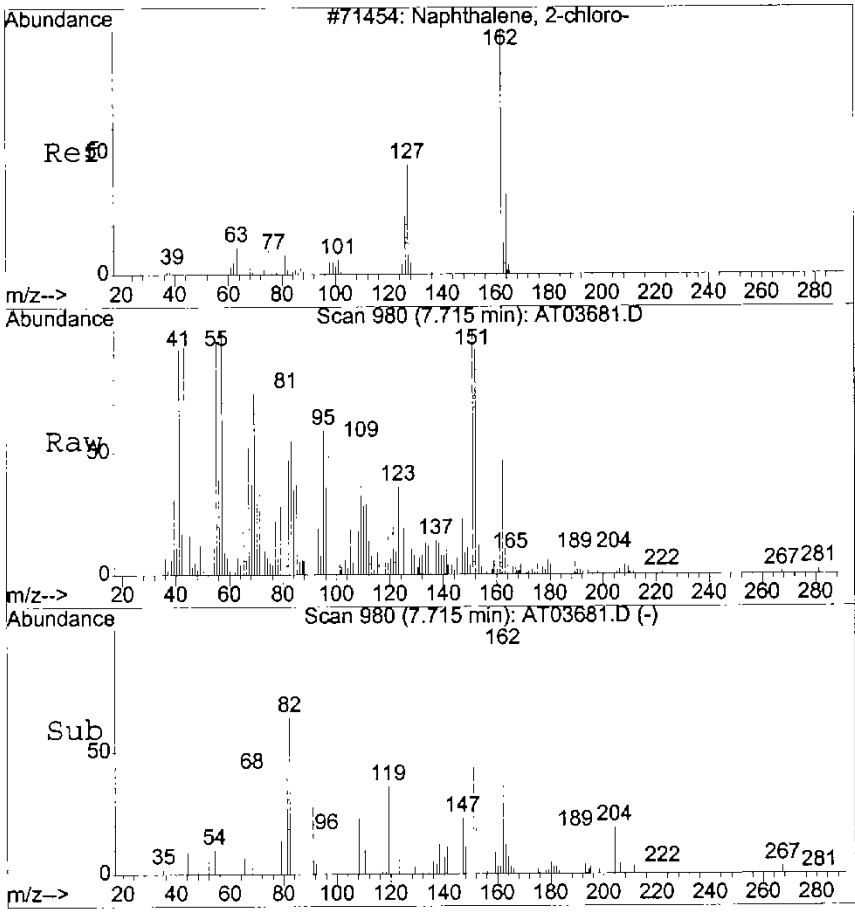


#38
1-Methylnaphthalene
Concen: 23.03 ul/l
RT: 7.35 min Scan# 911
Delta R.T. 0.00 min
Lab File: AT03681.D
Acq: 25 Feb 2005 5:38 pm

Tgt Ion:141 Resp: 10128

Ion	Ratio	Lower	Upper
141	100		
115	31.0	2.6	62.6

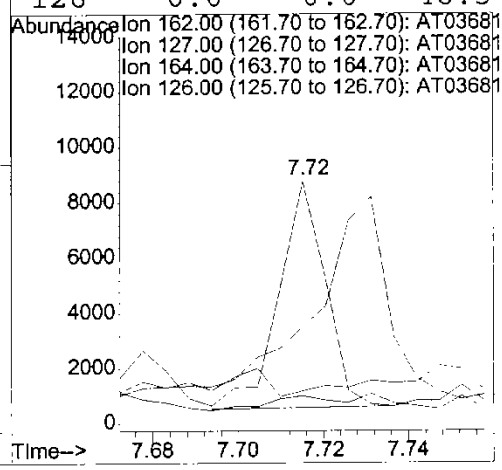


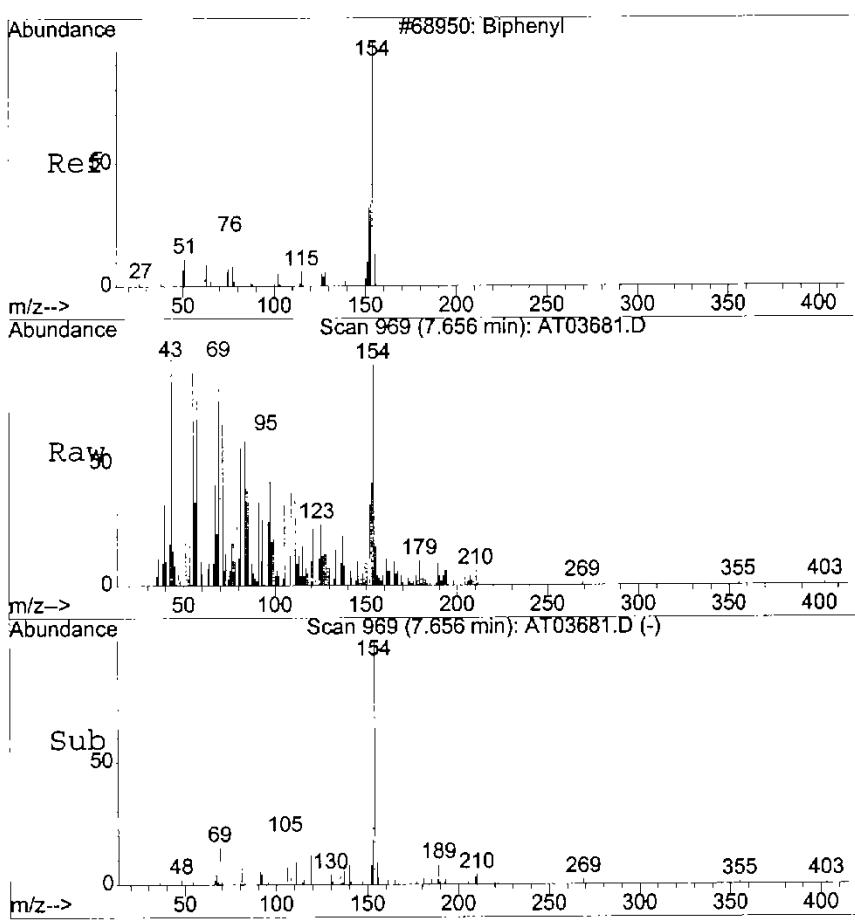


#45
2-Chloronaphthalene
Concen: 12.88 ug/L
RT: 7.72 min Scan# 980
Delta R.T. 0.04 min
Lab File: AT03681.D
Acq: 25 Feb 2005 5:38 pm

Tgt Ion:162 Resp: 6240

Ion	Ratio	Lower	Upper
162	100		
127	15.7	3.6	63.6
164	4.9	1.7	61.7
126	0.0	0.0	46.3

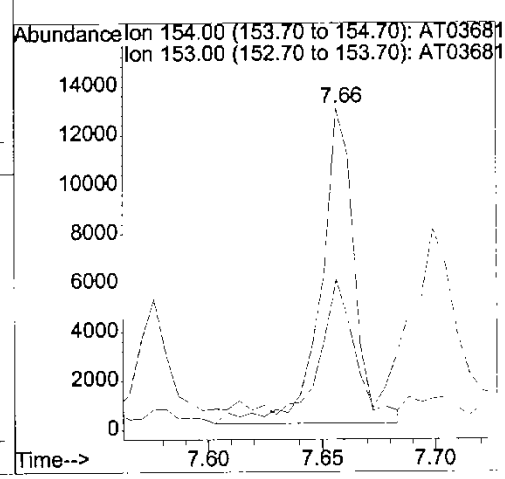


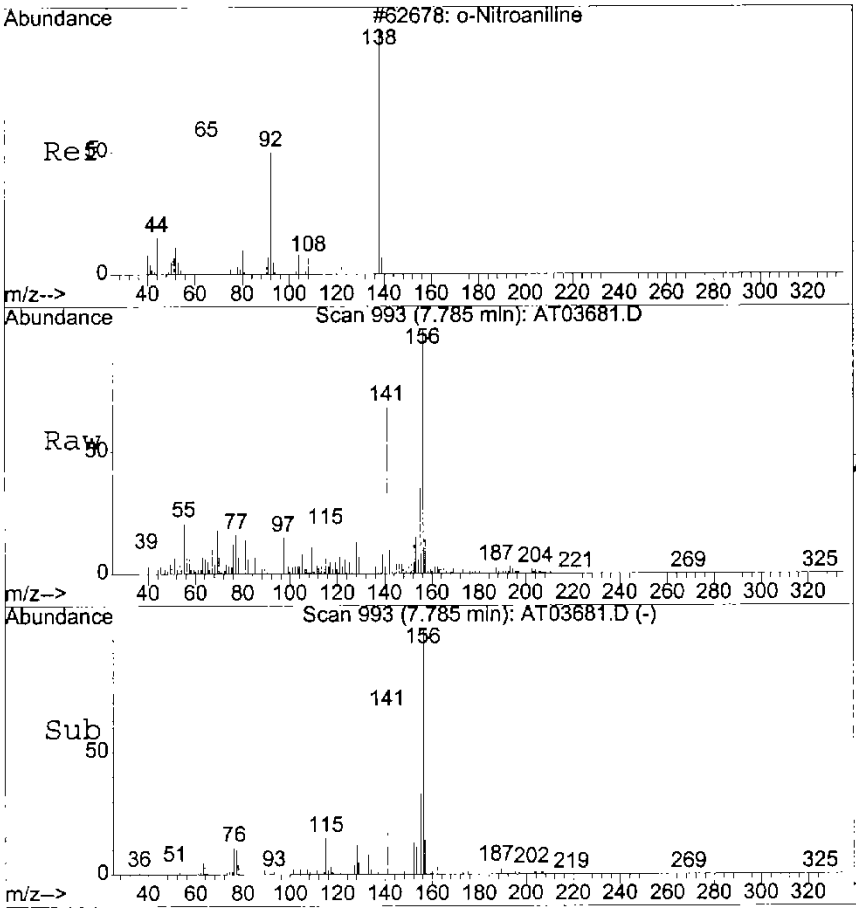


#46
Biphenyl
Concen: 21.23 ul/L
RT: 7.66 min Scan# 969
Delta R.T. -0.01 min
Lab File: AT03681.D
Acq: 25 Feb 2005 5:38 pm

Tgt Ion:154 Resp: 13201

Ion	Ratio	Lower	Upper
154	100		
153	39.1	9.4	69.4

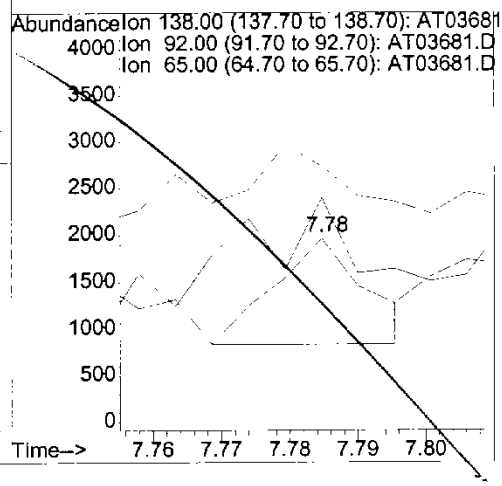


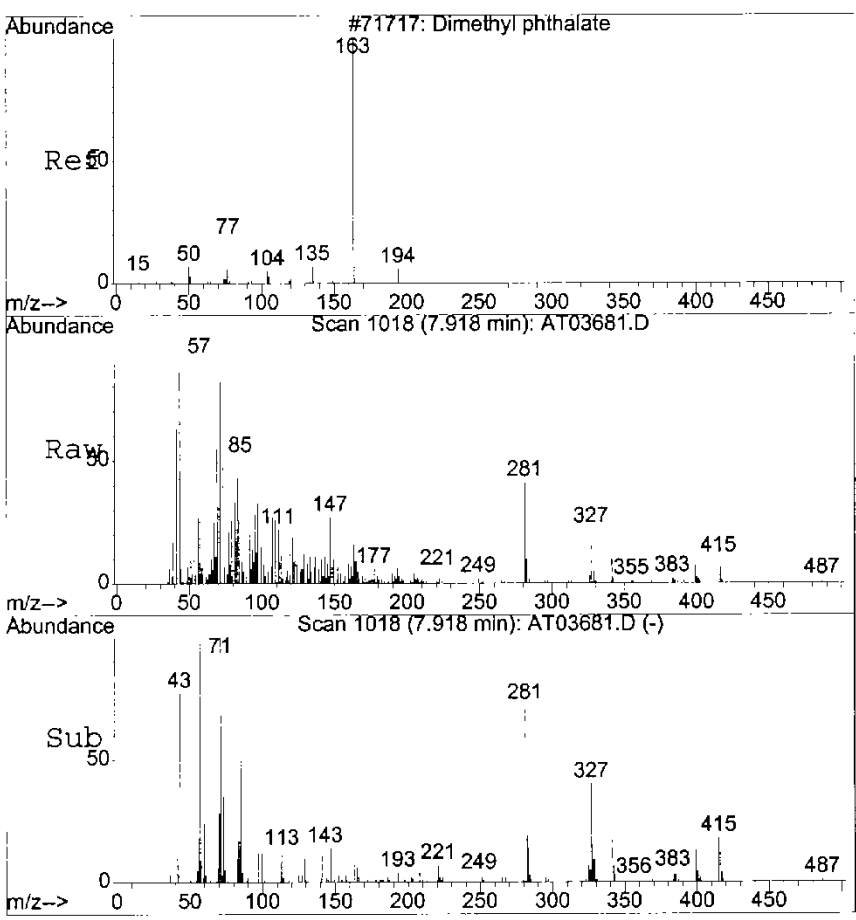


#47
2-Nitroaniline
Concen: 28.76 ug/L
RT: 7.78 min Scan# 993
Delta R.T. 0.02 min
Lab File: AT03681.D
Acq: 25 Feb 2005 5:38 pm

Tgt Ion:138 Resp: 1059

Ion	Ratio	Lower	Upper
138	100		
92	75.2	17.9	77.9
65	42.3	27.4	87.4

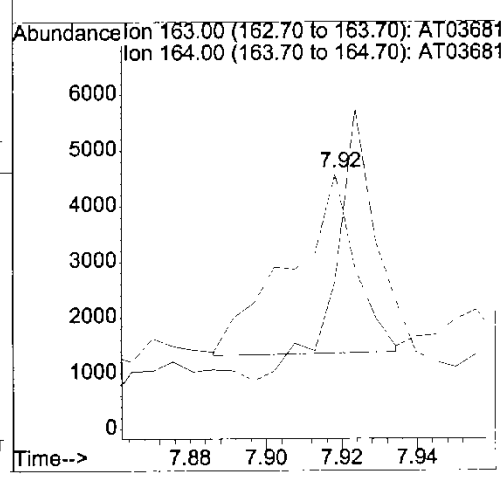


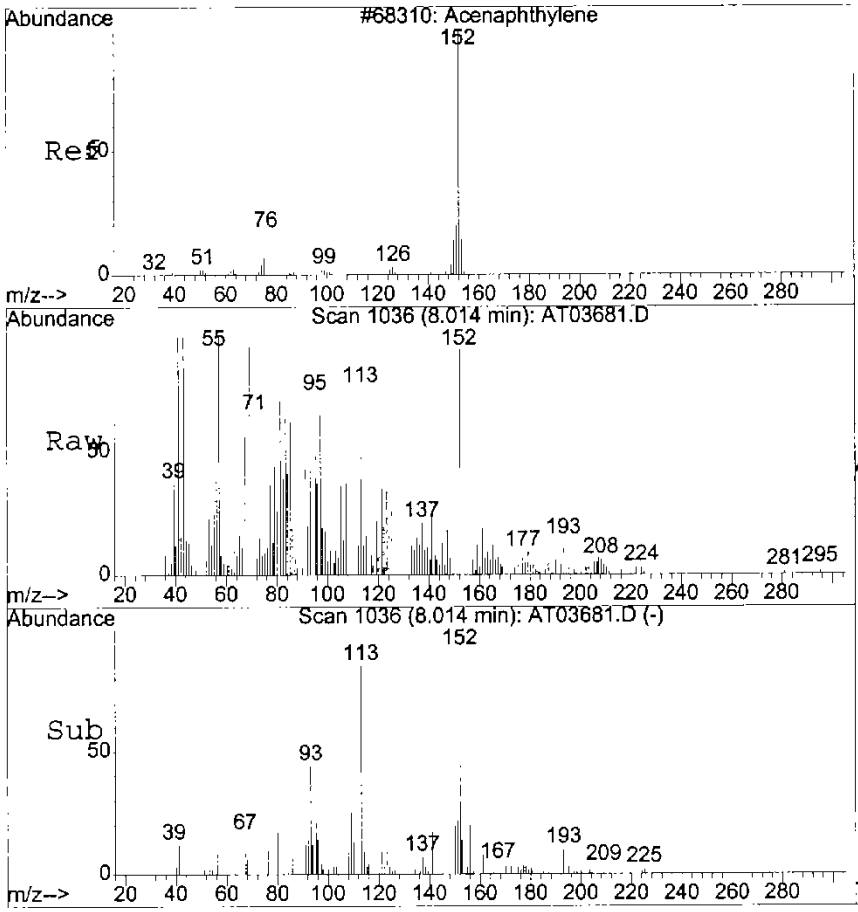


#48
Dimethylphthalate
Concen: 7.34 ug/L
RT: 7.92 min Scan# 1018
Delta R.T. -0.00 min
Lab File: AT03681.D
Acq: 25 Feb 2005 5:38 pm

Tgt Ion:163 Resp: 3825

Ion	Ratio	Lower	Upper
163	100		
164	30.5	0.0	40.0

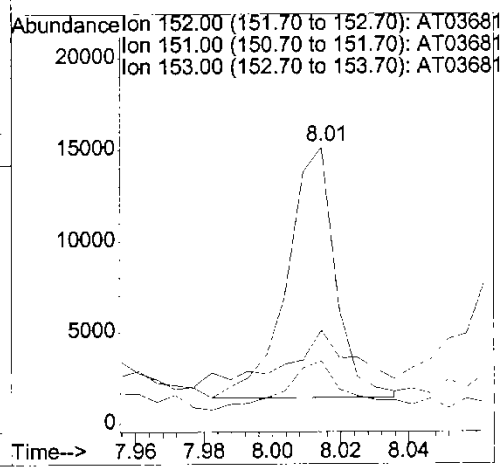


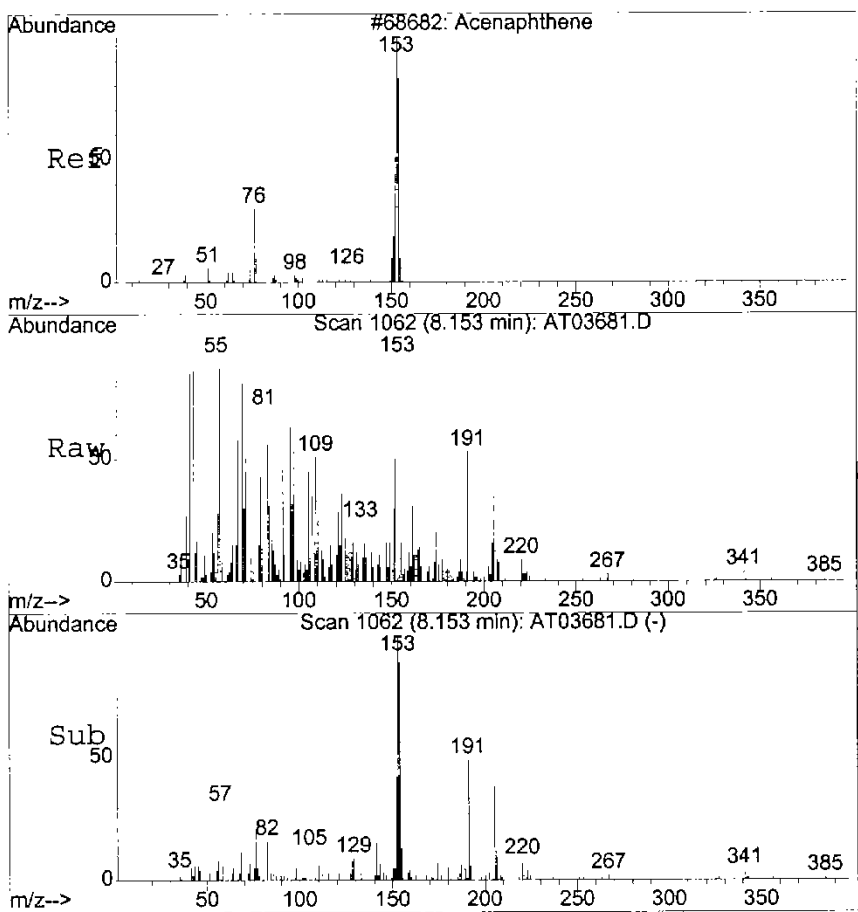


#49
Acenaphthylene
Concen: 17.80 ug/L
RT: 8.01 min Scan# 1036
Delta R.T. -0.00 min
Lab File: AT03681.D
Acq: 25 Feb 2005 5:38 pm

Tgt Ion:152 Resp: 13617

Ion	Ratio	Lower	Upper
152	100		
151	18.2	0.0	49.4
153	17.6	0.0	43.0

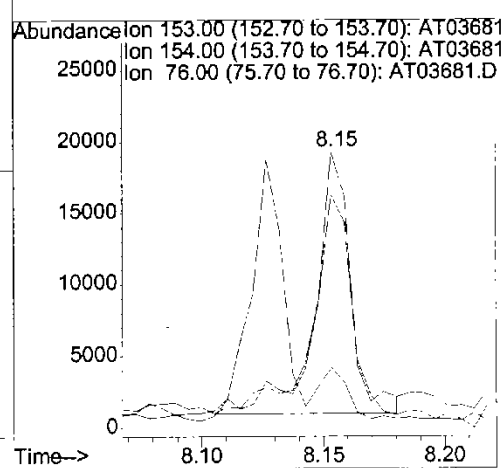


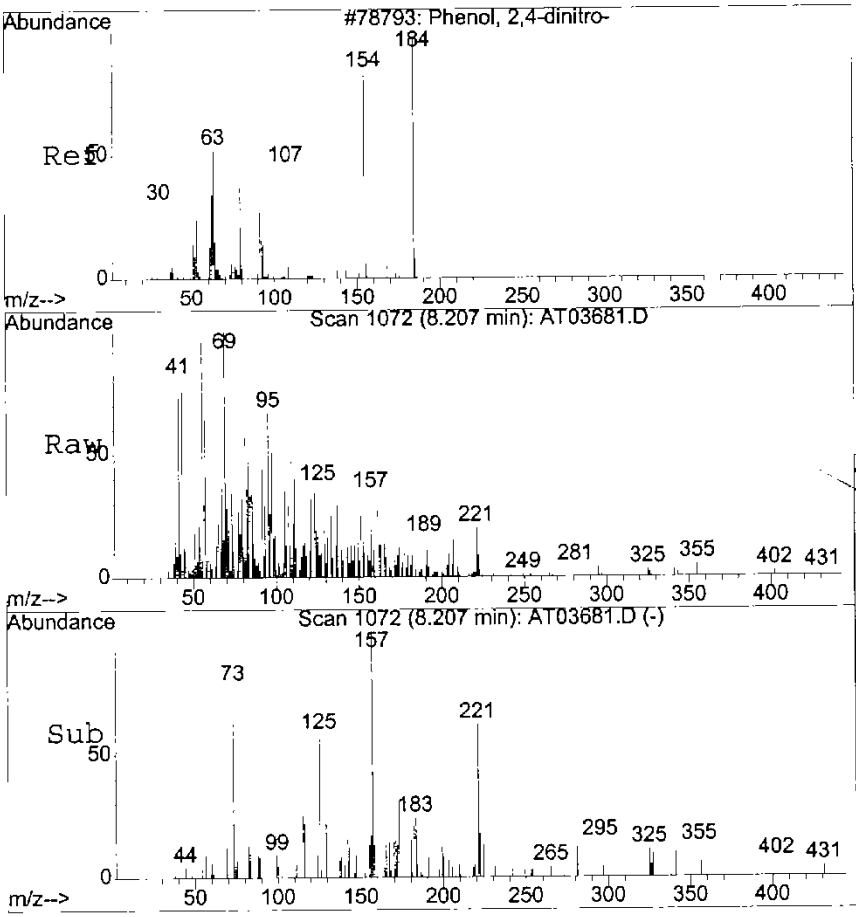


#52
Acenaphthene
Concen: 37.50 ug/L
RT: 8.15 min Scan# 1062
Delta R.T. -0.00 min
Lab File: AT03681.D
Acq: 25 Feb 2005 5:38 pm

Tgt Ion:153 Resp: 18877

Ion	Ratio	Lower	Upper
153	100		
154	86.2	53.5	113.5
76	19.5	0.0	50.2

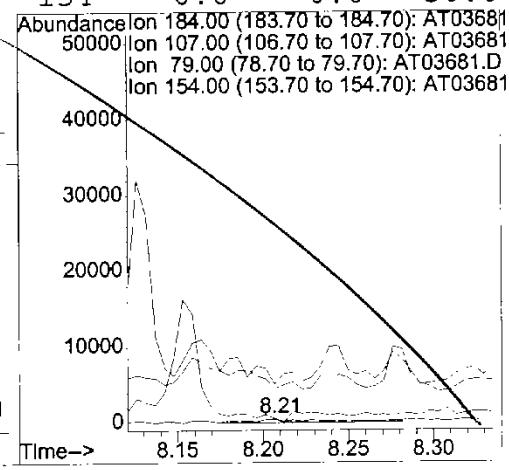


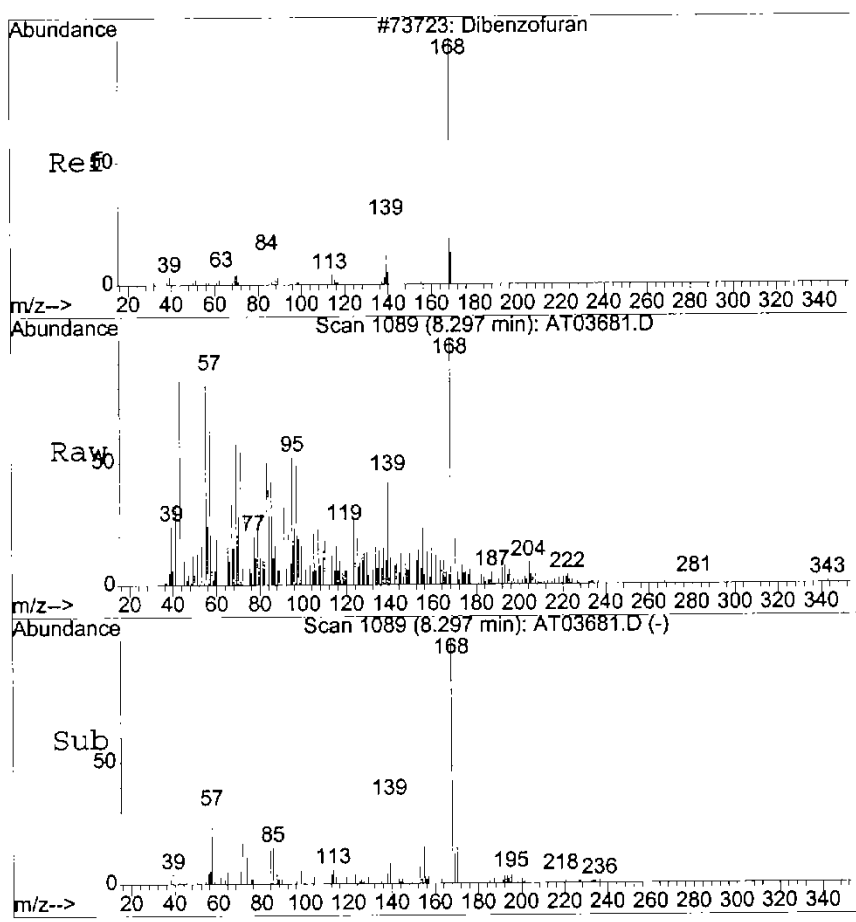


#53
2,4-Dinitrophenol
Concen: 371.43 ug/L
RT: 8.21 min Scan# 1072
Delta R.T. 0.02 min
Lab File: AT03681.D
Acq: 25 Feb 2005 5:38 pm

Tgt Ion:184 Resp: 1636

Ion	Ratio	Lower	Upper
184	100		
107	0.0	0.0	58.6
79	0.0	0.0	48.2
154	0.0	0.0	30.0

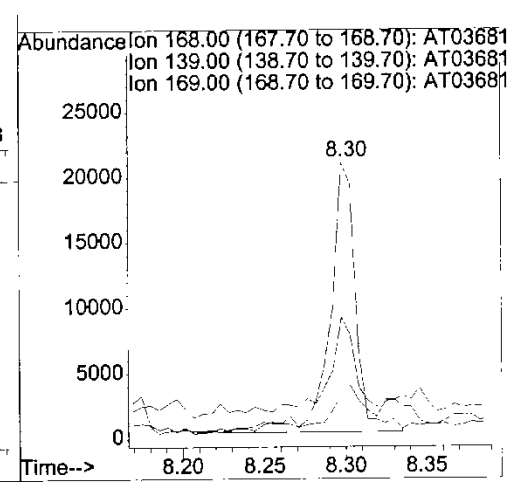


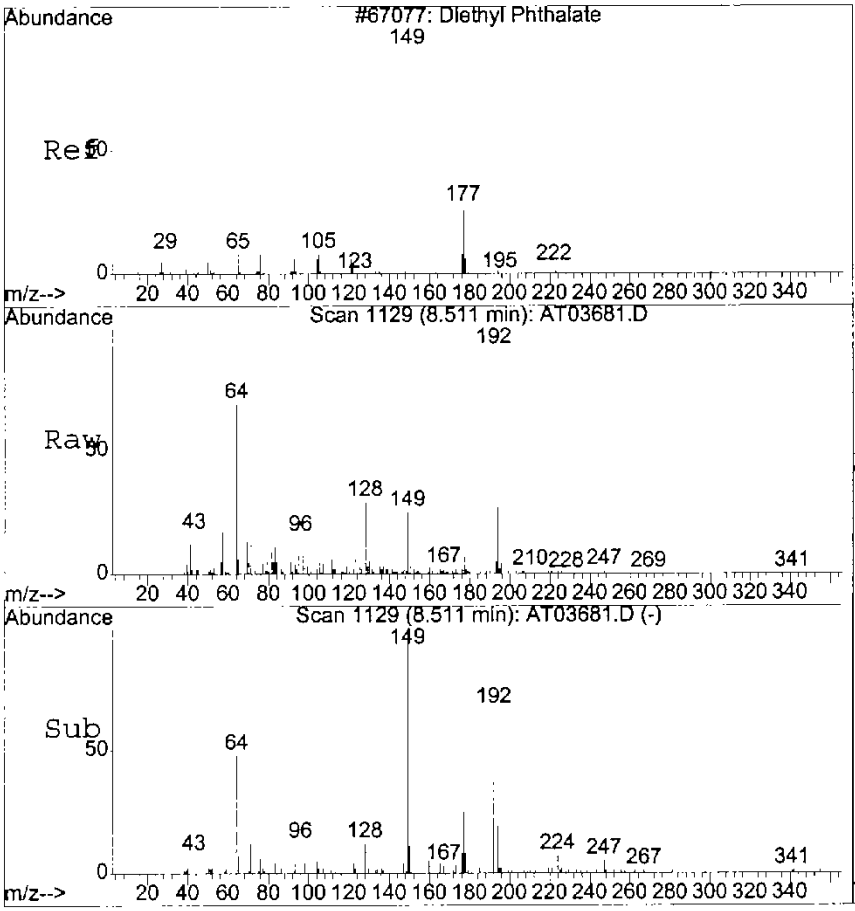


#55
Dibenzofuran
Concen: 34.37 ug/L
RT: 8.30 min Scan# 1089
Delta R.T. -0.00 min
Lab File: AT03681.D
Acq: 25 Feb 2005 5:38 pm

Tgt Ion:168 Resp: 23176

Ion	Ratio	Lower	Upper
168	100		
139	30.7	0.6	60.6
169	8.0	0.0	42.8

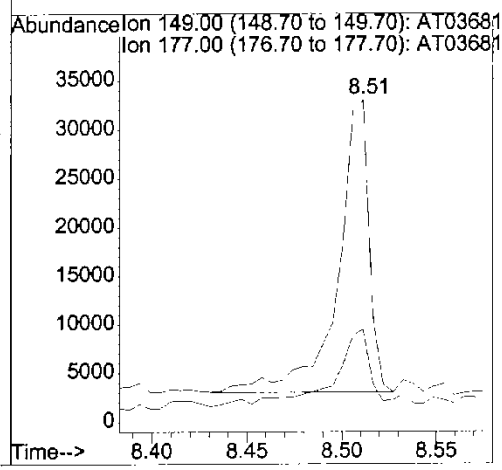


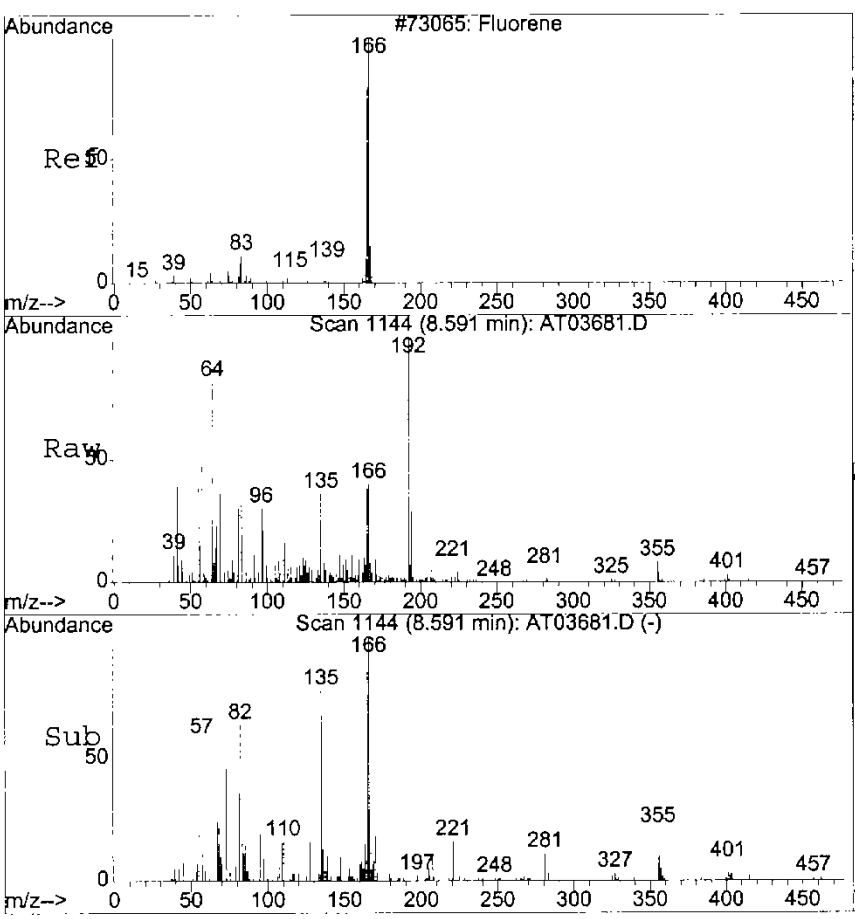


#59
Diethylphthalate
Concen: 62.77 ug/L
RT: 8.51 min Scan# 1129
Delta R.T. 0.00 min
Lab File: AT03681.D
Acq: 25 Feb 2005 5:38 pm

Tgt Ion:149 Resp: 34579

Ion	Ratio	Lower	Upper
149	100		
177	25.2	0.0	53.1

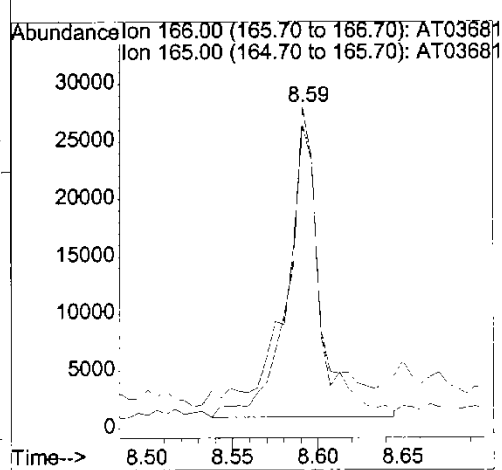


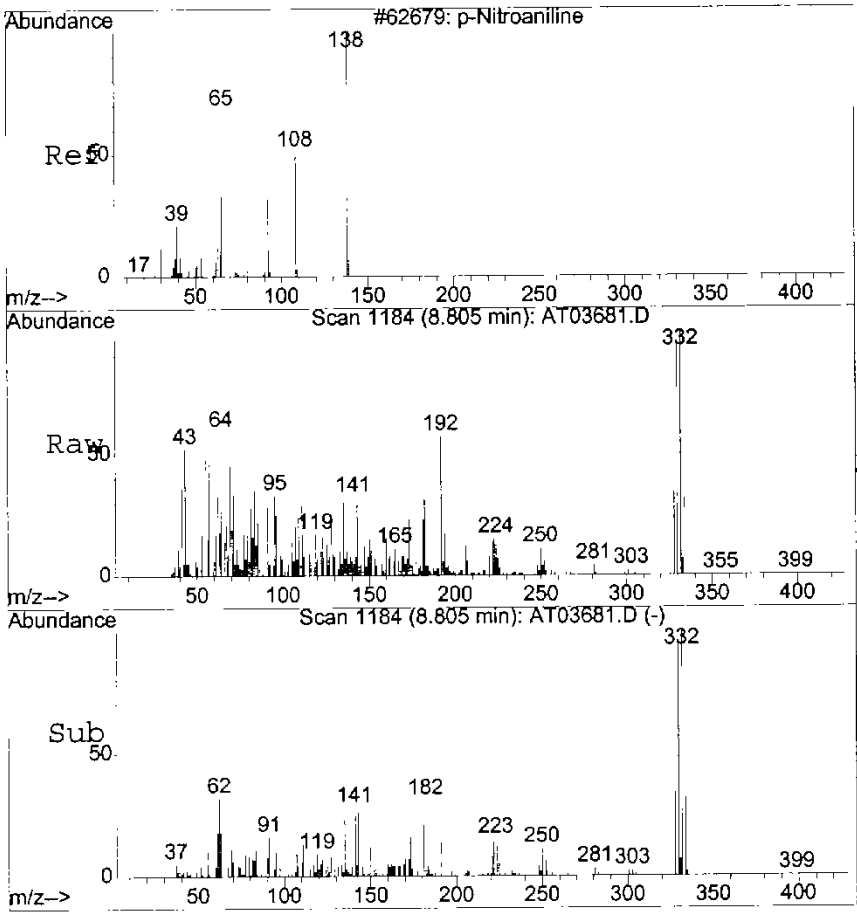


#60
Fluorene
Concen: 66.54 ug/L
RT: 8.59 min Scan# 1144
Delta R.T. -0.01 min
Lab File: AT03681.D
Acq: 25 Feb 2005 5:38 pm

Tgt Ion:166 Resp: 34531

Ion	Ratio	Lower	Upper
166	100		
165	84.1	65.1	125.1

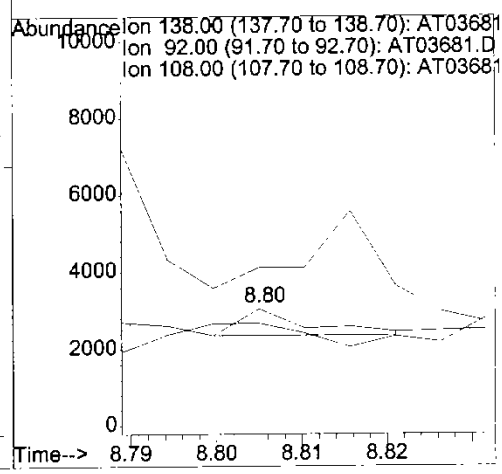


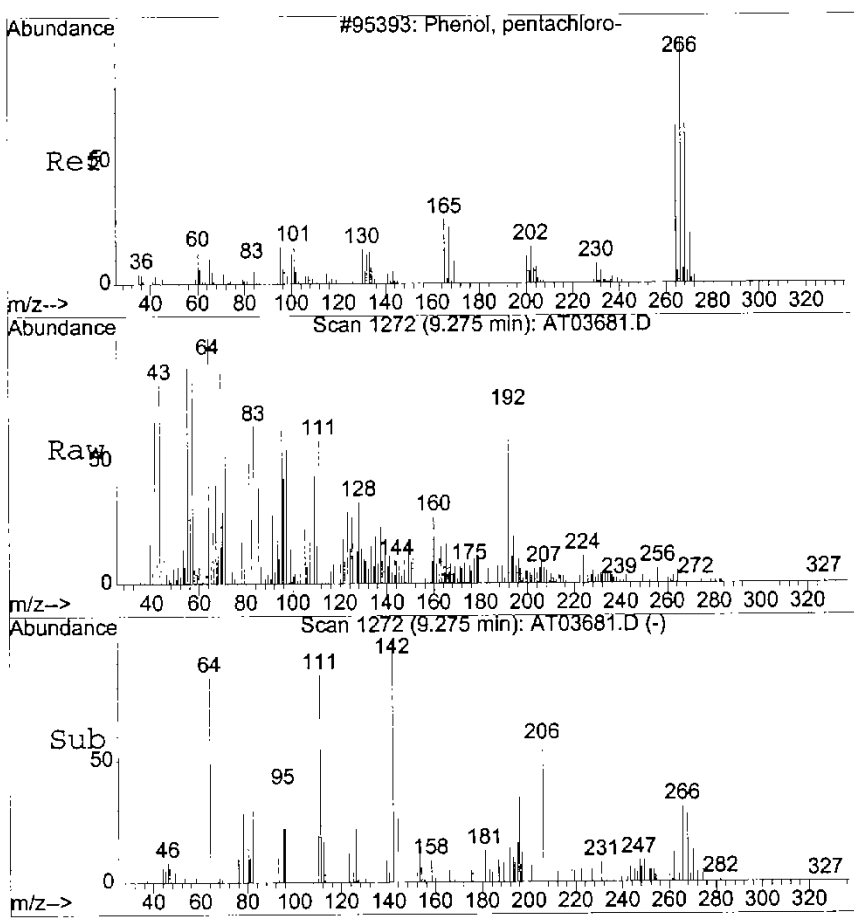


#62
4-Nitroaniline
Concen: 5.14 ug/L
RT: 8.80 min Scan# 1184
Delta R.T. 0.18 min
Lab File: AT03681.D
Acq: 25 Feb 2005 5:38 pm

Tgt Ion:138 Resp: 381

Ion	Ratio	Lower	Upper
138	100		
92	27.1	11.1	71.1
108	78.0	21.9	81.9

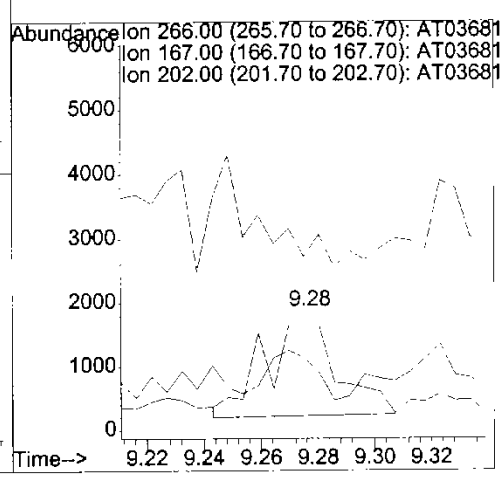


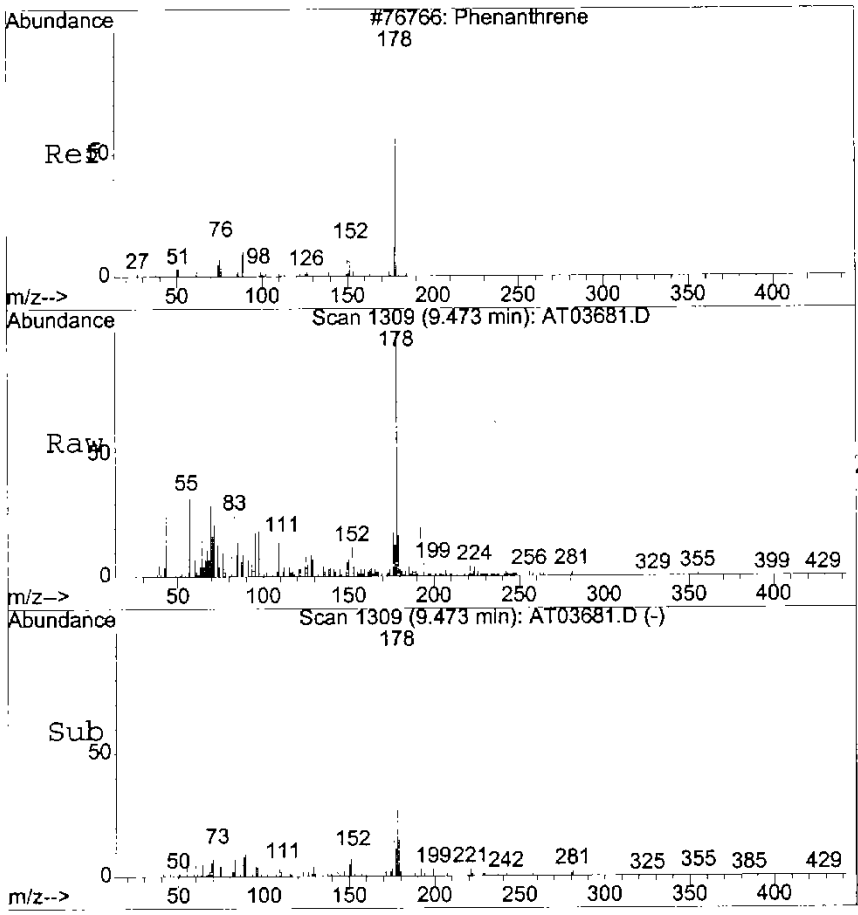


#70
Pentachlorophenol
Concen: 30.31 ug/L
RT: 9.28 min Scan# 1272
Delta R.T. 0.00 min
Lab File: AT03681.D
Acq: 25 Feb 2005 5:38 pm

Tgt Ion:266 Resp: 2782

Ion	Ratio	Lower	Upper
266	100		
167	0.0	0.0	59.5
202	15.6	0.0	48.3

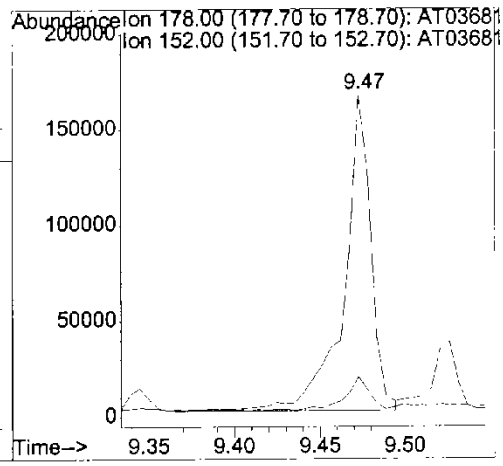


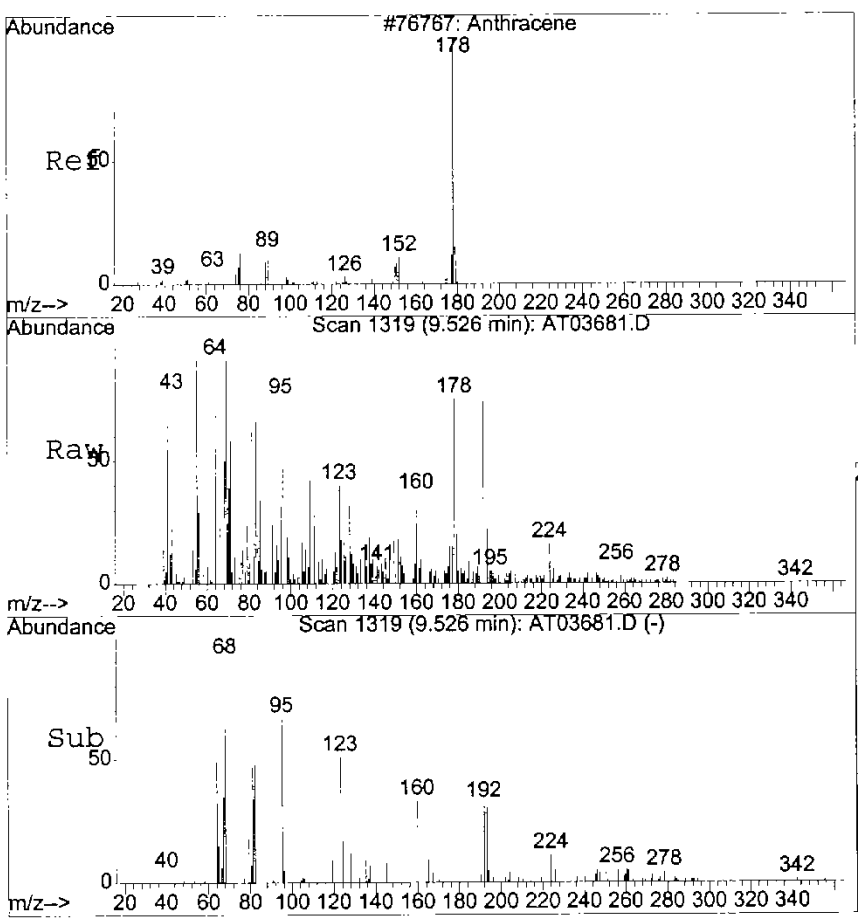


#71
Phenanthrene
Concen: 218.86 ug/L
RT: 9.47 min Scan# 1309
Delta R.T. 0.00 min
Lab File: AT03681.D
Acq: 25 Feb 2005 5:38 pm

Tgt Ion:178 Resp: 181524

Ion	Ratio	Lower	Upper
178	100		
152	9.9	0.0	39.1

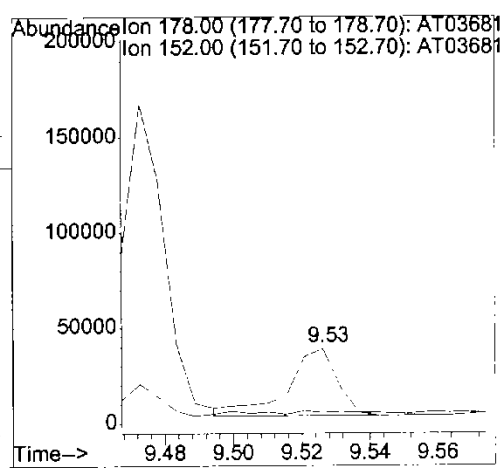


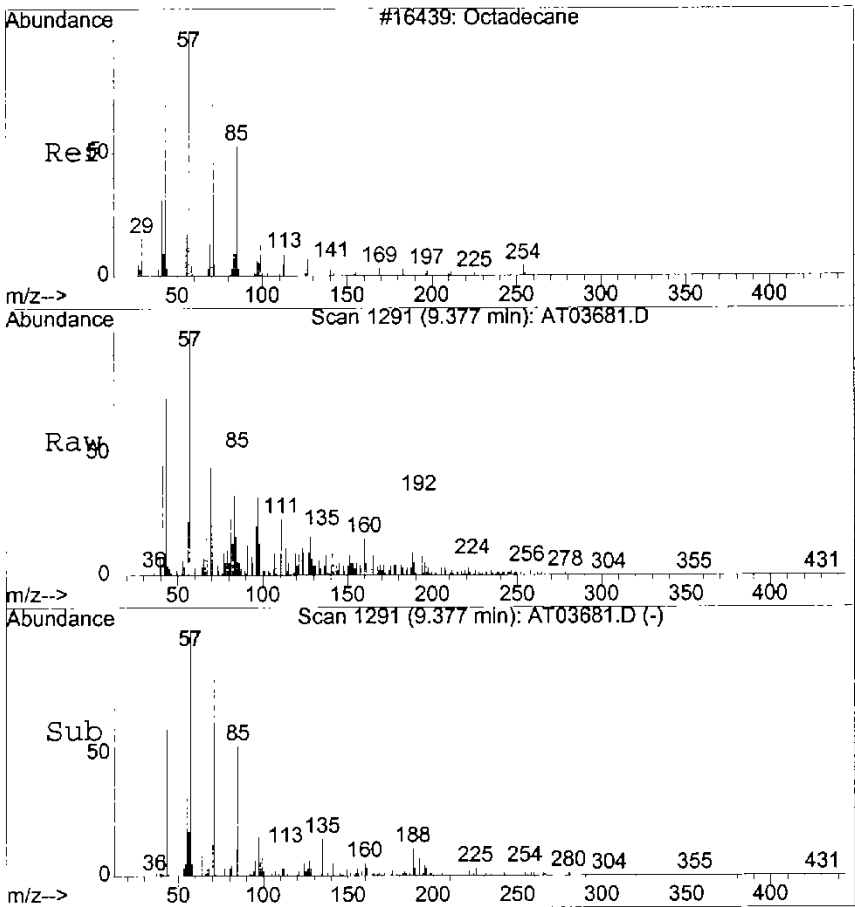


#72
Anthracene
Concen: 46.87 ug/L
RT: 9.53 min Scan# 1319
Delta R.T. 0.01 min
Lab File: AT03681.D
Acq: 25 Feb 2005 5:38 pm

Tgt Ion:178 Resp: 35257

Ion	Ratio	Lower	Upper
178	100		
152	1.9	0.0	37.3

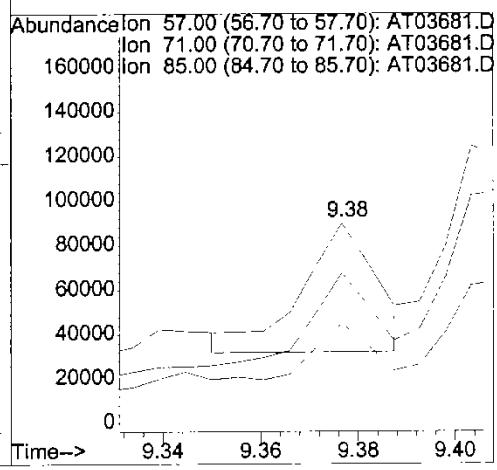


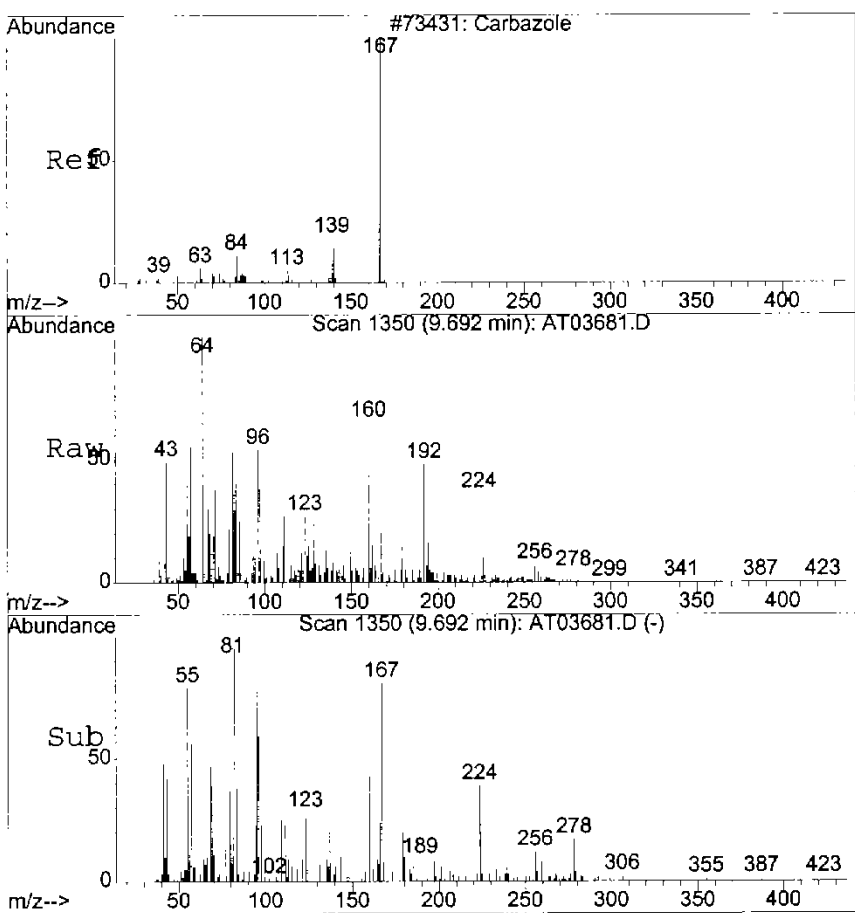


#73
Octadecane
Concen: 258.69 ul/L
RT: 9.38 min Scan# 1291
Delta R.T. 0.00 min
Lab File: AT03681.D
Acq: 25 Feb 2005 5:38 pm

Tgt Ion: 57 Resp: 62264

Ion	Ratio	Lower	Upper
57	100		
71	87.8	52.7	97.9
85	47.5	37.5	69.7

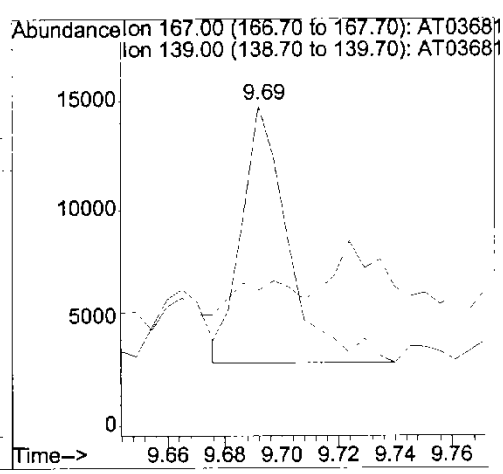


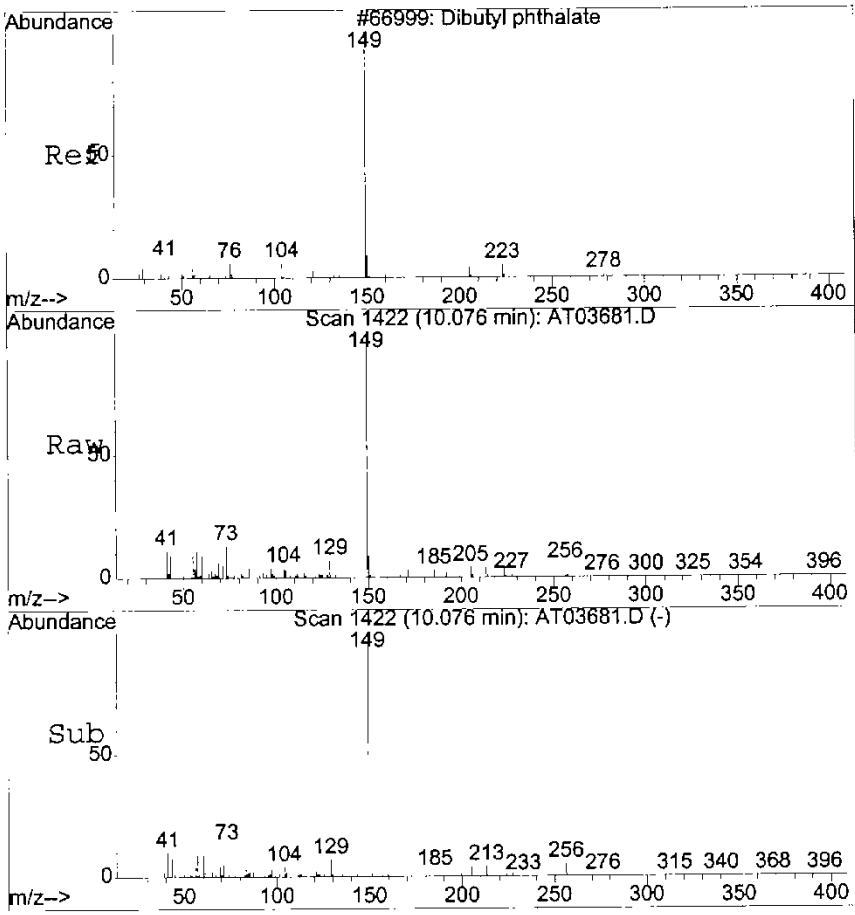


#74
Carbazole
Concen: 26.73 ug/L
RT: 9.69 min Scan# 1350
Delta R.T. 0.00 min
Lab File: AT03681.D
Acq: 25 Feb 2005 5:38 pm

Tgt Ion:167 Resp: 13614

Ion	Ratio	Lower	Upper
167	100		
139	4.3	0.0	41.5

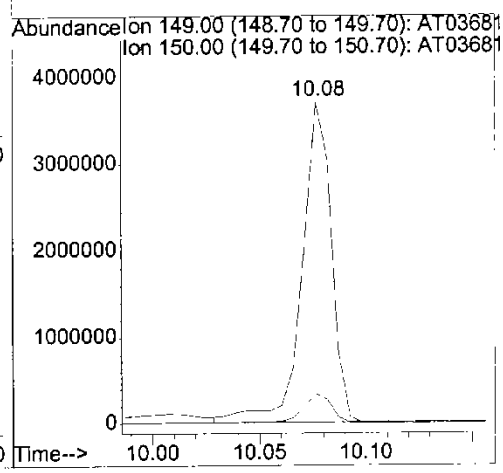


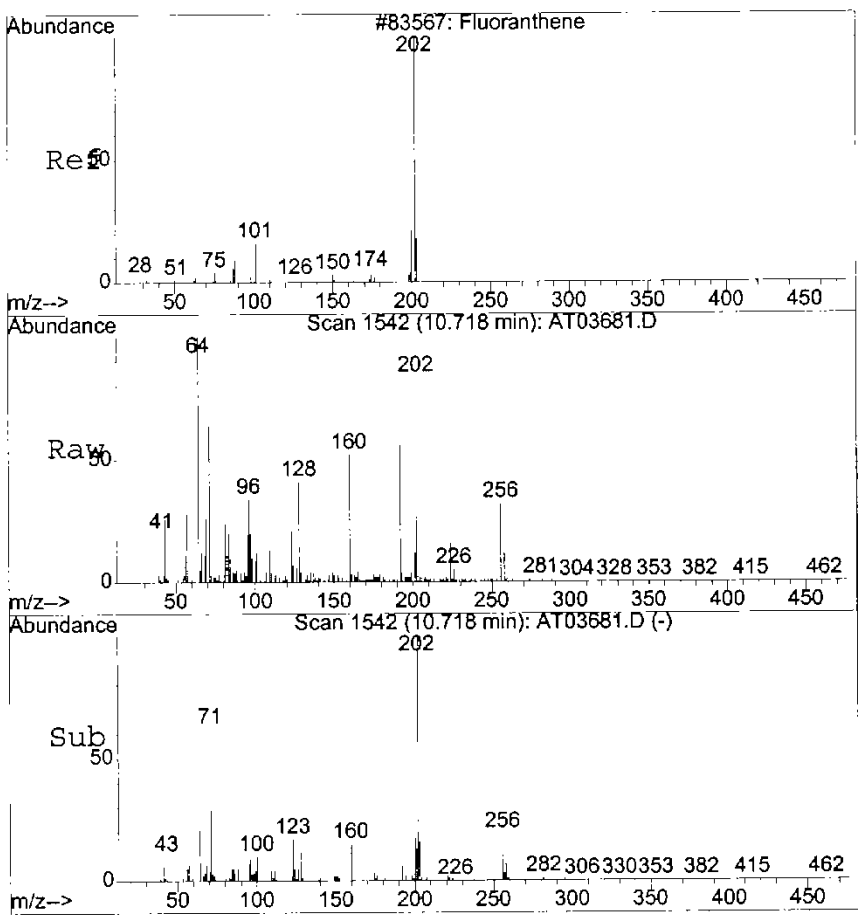


#75
Di-n-butylphthalate
Concen: 3997.59 ug/L
RT: 10.08 min Scan# 1422
Delta R.T. 0.01 min
Lab File: AT03681.D
Acq: 25 Feb 2005 5:38 pm

Tgt Ion:149 Resp: 3564015

Ion	Ratio	Lower	Upper
149	100		
150	9.0	0.0	39.0

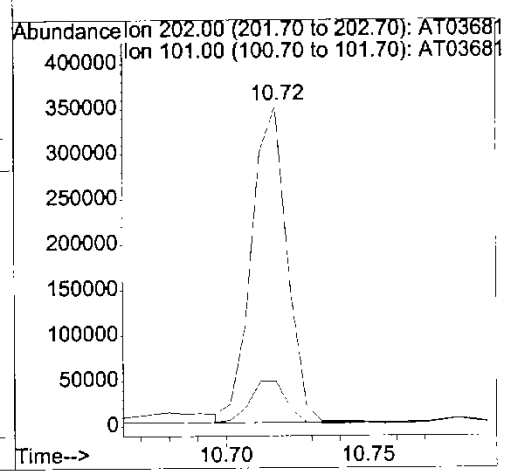


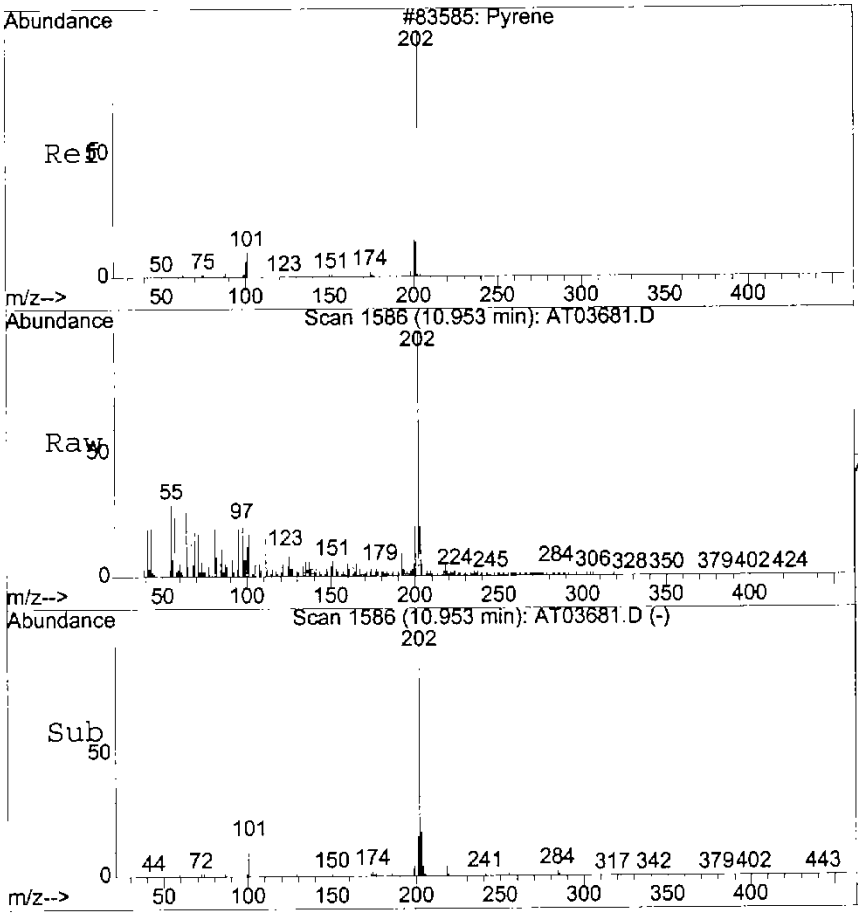


#76
Fluoranthene
Concen: 357.45 ug/L
RT: 10.72 min Scan# 1542
Delta R.T. 0.02 min
Lab File: AT03681.D
Acq: 25 Feb 2005 5:38 pm

Tgt Ion:202 Resp: 302585

Ion	Ratio	Lower	Upper
202	100		
101	13.3	0.0	43.7

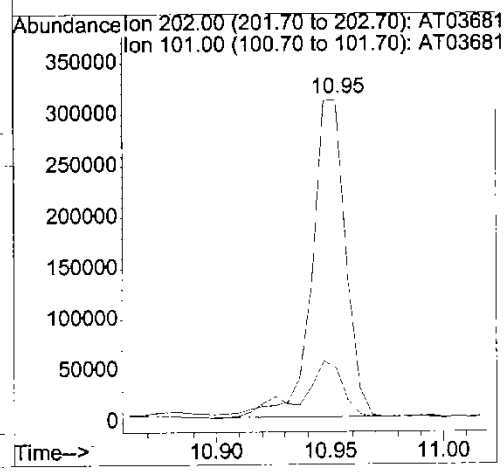


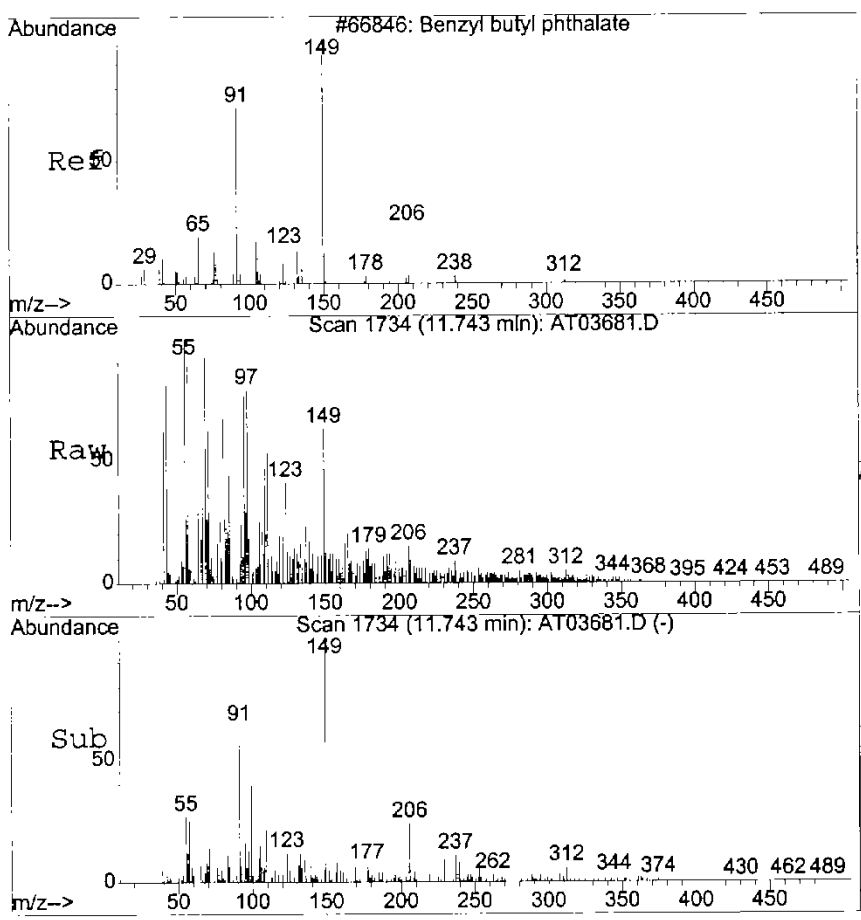


#77
Pyrene
Concen: 366.03 ug/L
RT: 10.95 min Scan# 1586
Delta R.T. 0.01 min
Lab File: AT03681.D
Acq: 25 Feb 2005 5:38 pm

Tgt Ion:202 Resp: 321376

Ion	Ratio	Lower	Upper
202	100		
101	15.5	0.0	45.3

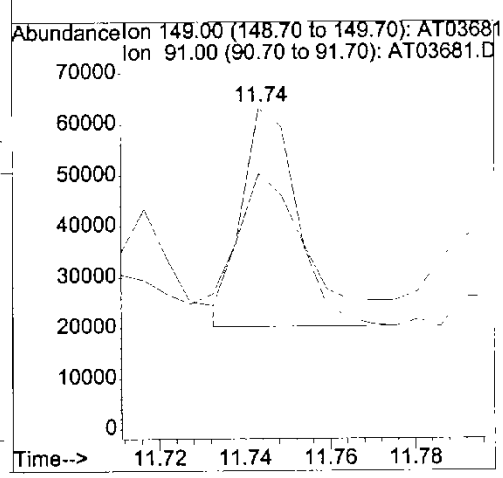


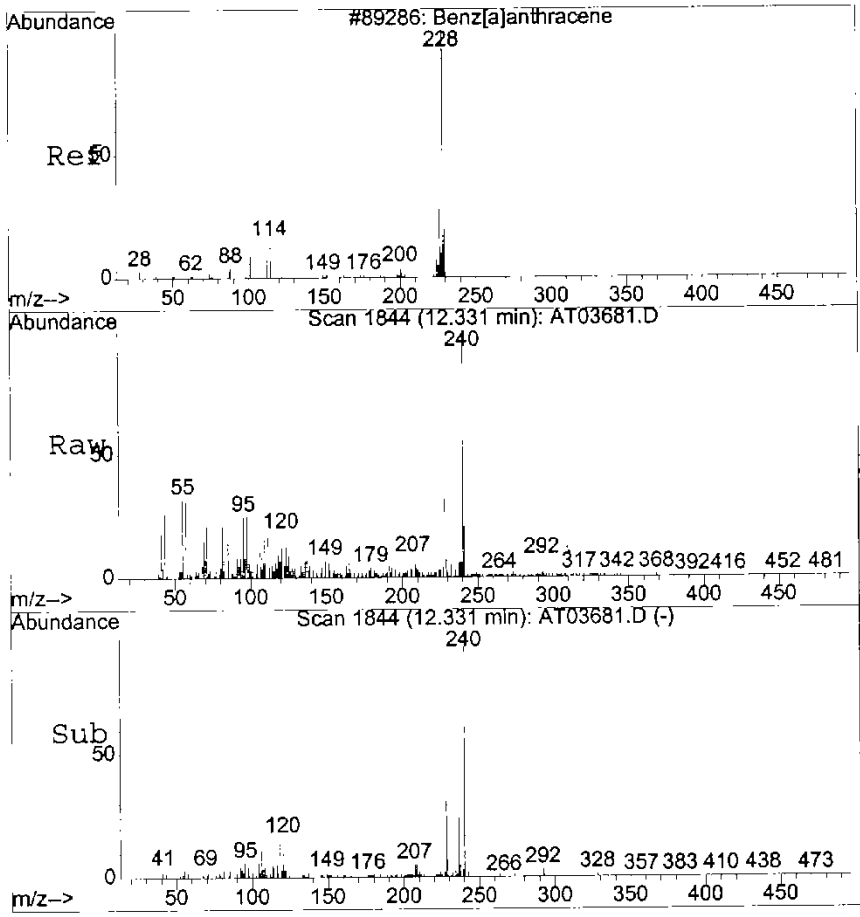


#81
Butylbenzylphthalate
Concen: 164.93 ug/L
RT: 11.74 min Scan# 1734
Delta R.T. 0.01 min
Lab File: AT03681.D
Acq: 25 Feb 2005 5:38 pm

Tgt Ion:149 Resp: 38591

Ion	Ratio	Lower	Upper
149	100		
91	59.9	30.6	90.6

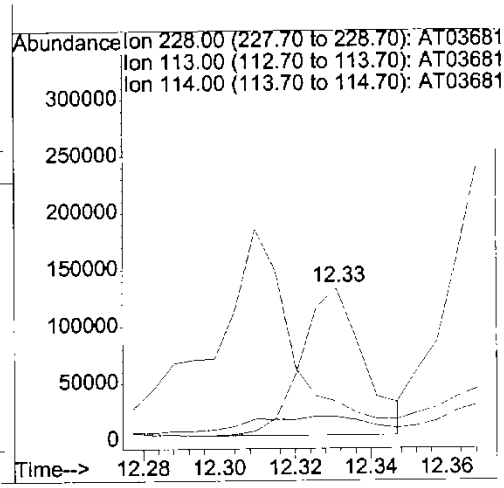


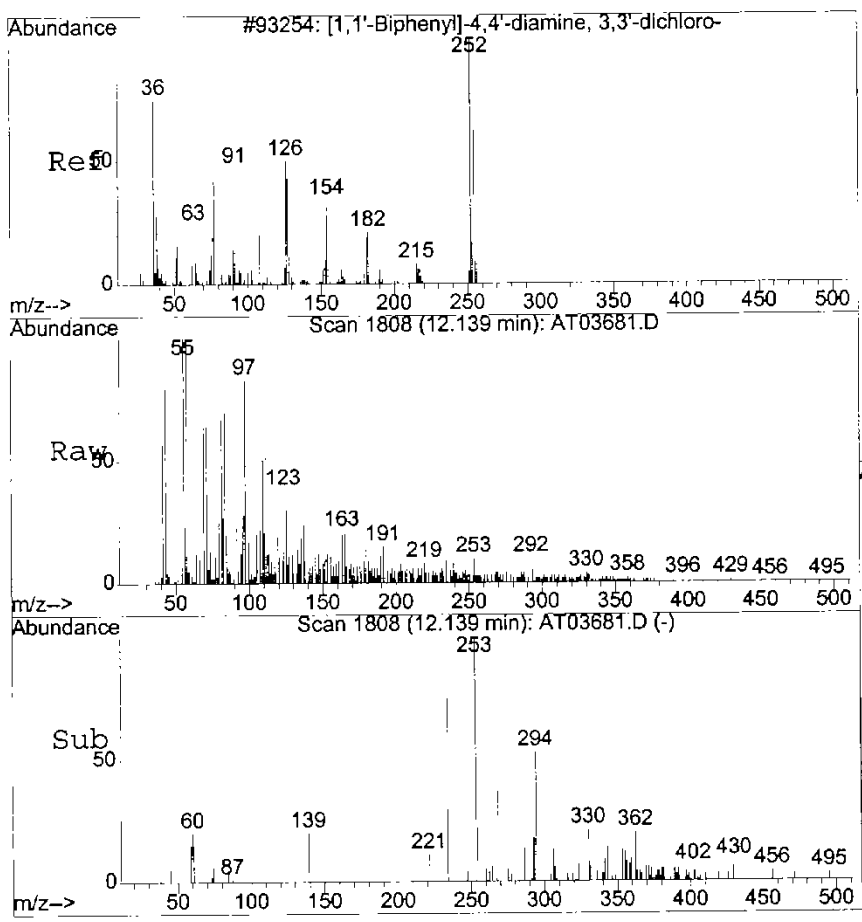


#82
Benzo(a)anthracene
Concen: 182.69 ug/L
RT: 12.33 min Scan# 1844
Delta R.T. 0.01 min
Lab File: AT03681.D
Acq: 25 Feb 2005 5:38 pm

Tgt Ion:228 Resp: 147764

Ion	Ratio	Lower	Upper
228	100		
113	0.0	0.0	41.9
114	9.3	0.0	43.6

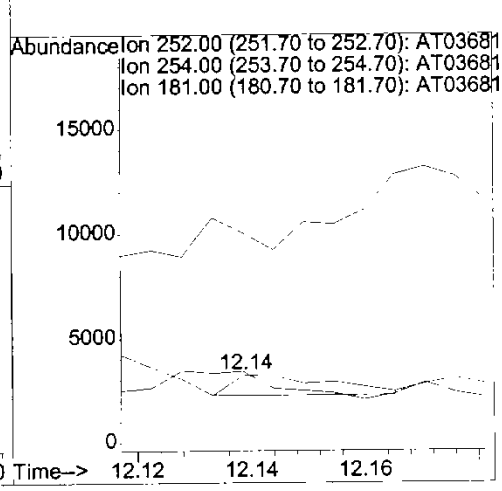


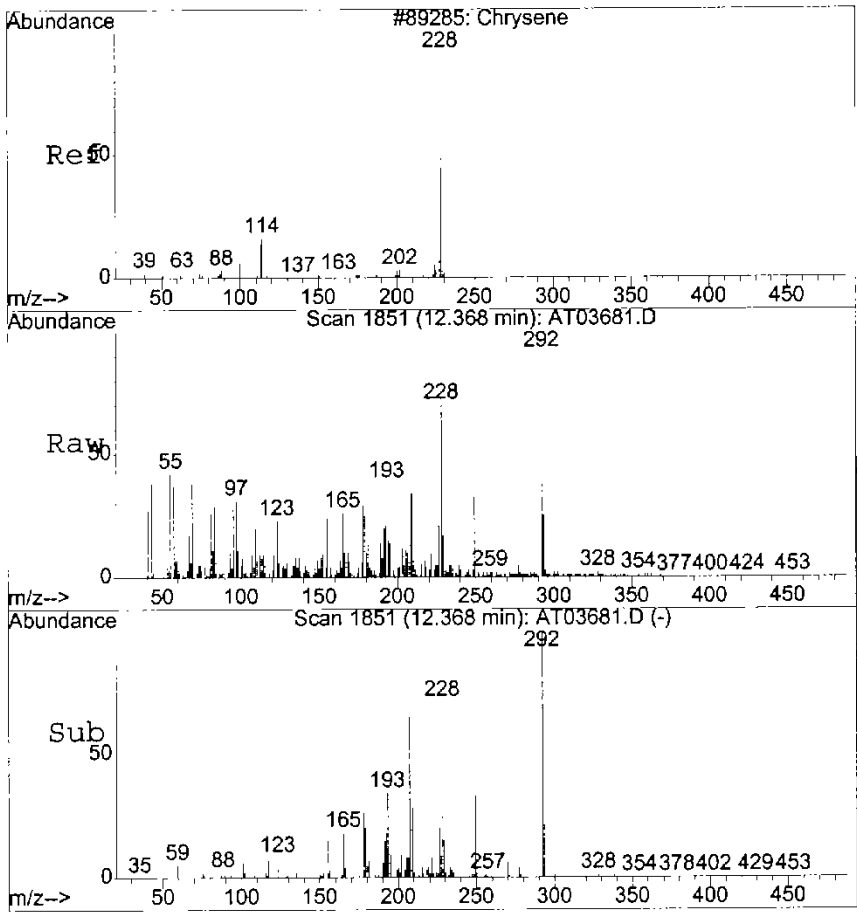


#83
3,3'-Dichlorobenzidine
Concen: 32.49 ug/L
RT: 12.14 min Scan# 1808
Delta R.T. -0.18 min
Lab File: AT03681.D
Acq: 25 Feb 2005 5:38 pm

Tgt Ion:252 Resp: 1187

Ion	Ratio	Lower	Upper
252	100		
254	68.6	32.1	92.1
181	0.0	0.0	37.0

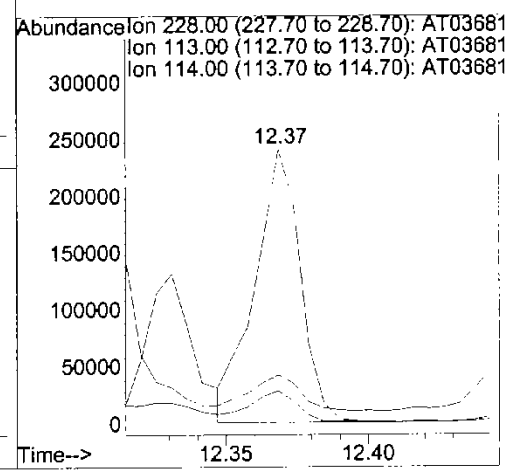


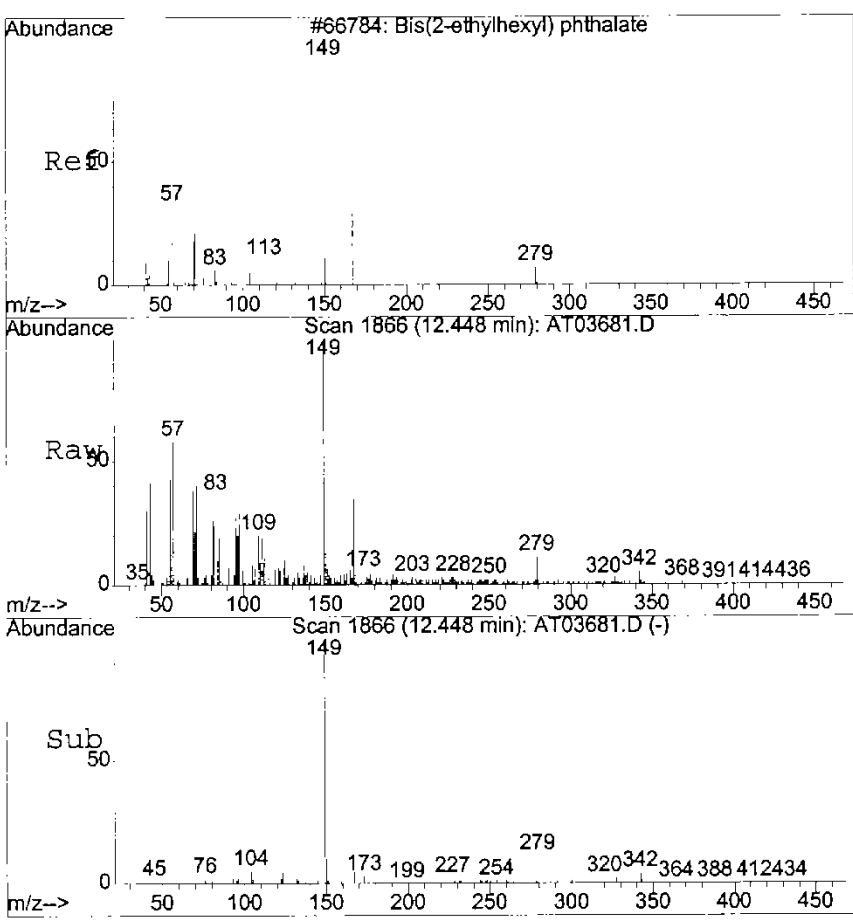


#84
Chrysene
Concen: 312.80 ug/L
RT: 12.37 min Scan# 1851
Delta R.T. 0.01 min
Lab File: AT03681.D
Acq: 25 Feb 2005 5:38 pm

Tgt Ion:228 Resp: 263699

Ion	Ratio	Lower	Upper
228	100		
113	12.8	0.0	41.9
114	10.7	0.0	40.2

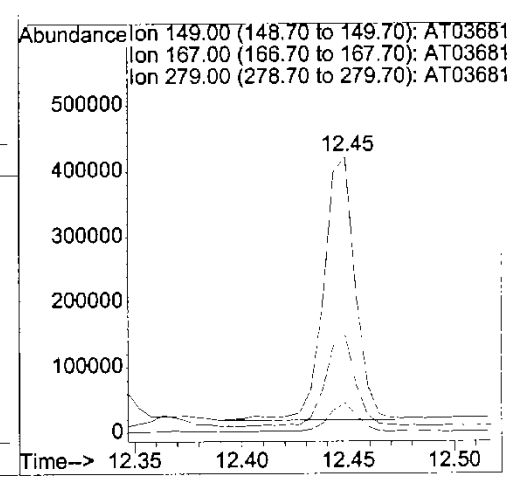


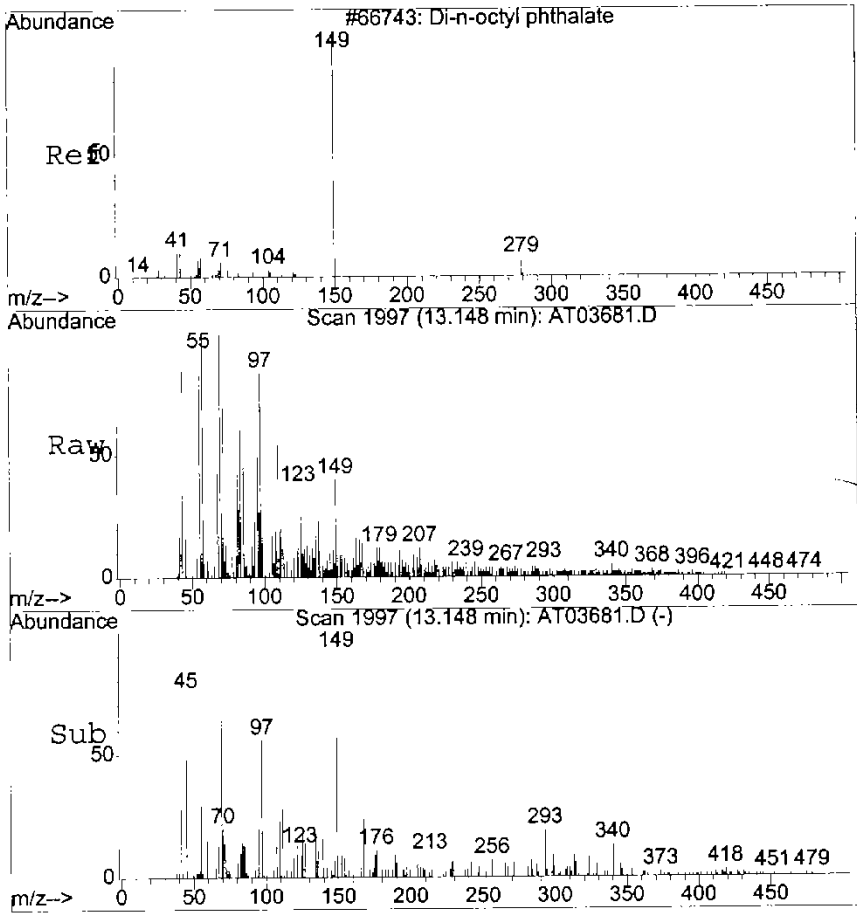


#85
bis(2-Ethylhexyl)phthalate
Concen: 794.05 ug/L
RT: 12.45 min Scan# 1866
Delta R.T. 0.02 min
Lab File: AT03681.D
Acq: 25 Feb 2005 5:38 pm

Tgt Ion:149 Resp: 414794

Ion	Ratio	Lower	Upper
149	100		
167	34.3	2.4	62.4
279	10.5	0.0	39.0

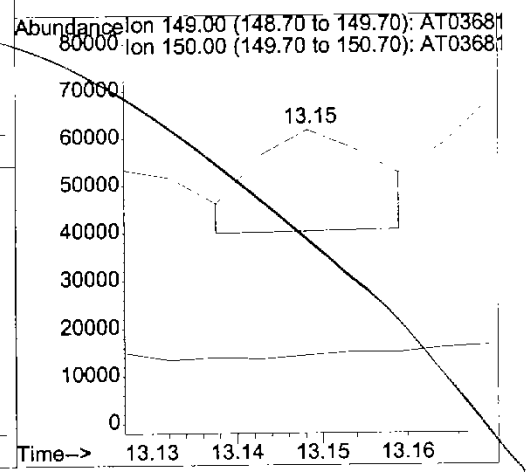


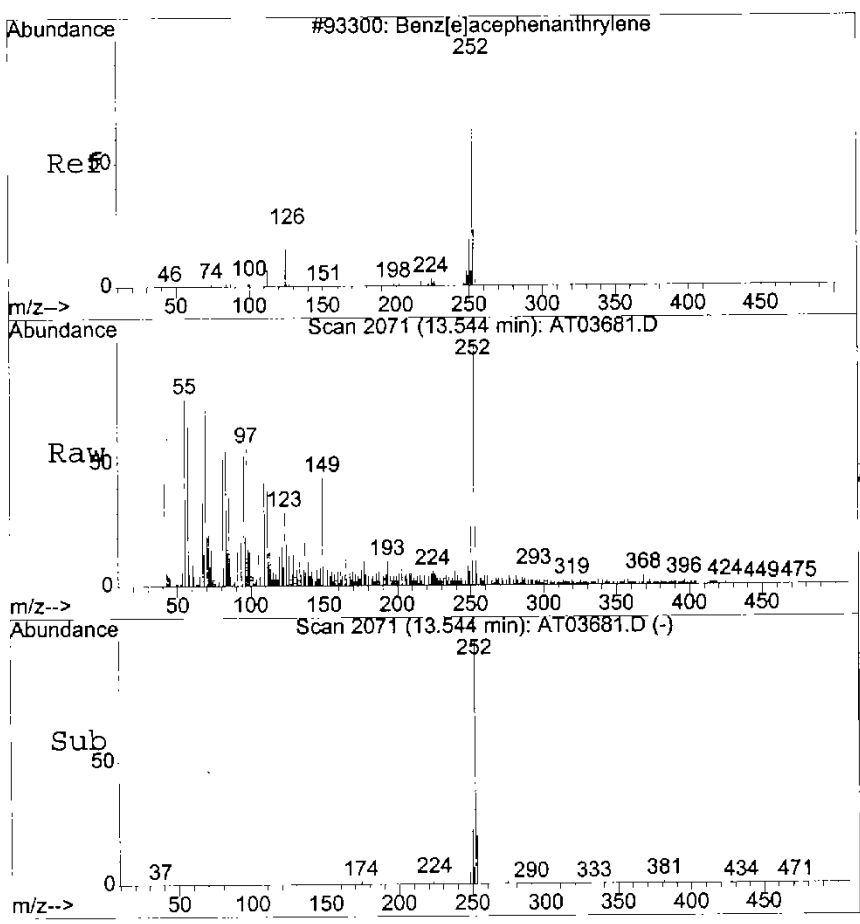


#87
Di-n-octylphthalate
Concen: 26.12 ug/L
RT: 13.15 min Scan# 1997
Delta R.T. -0.00 min
Lab File: AT03681.D
Acq: 25 Feb 2005 5:38 pm

Tgt Ion:149 Resp: 21658

Ion	Ratio	Lower	Upper
149	100		
150	0.0	0.0	39.5

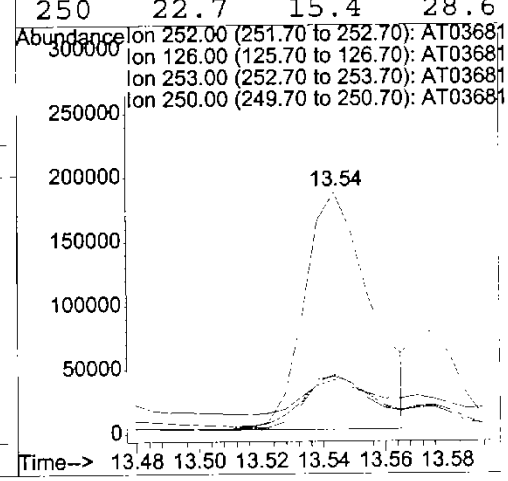


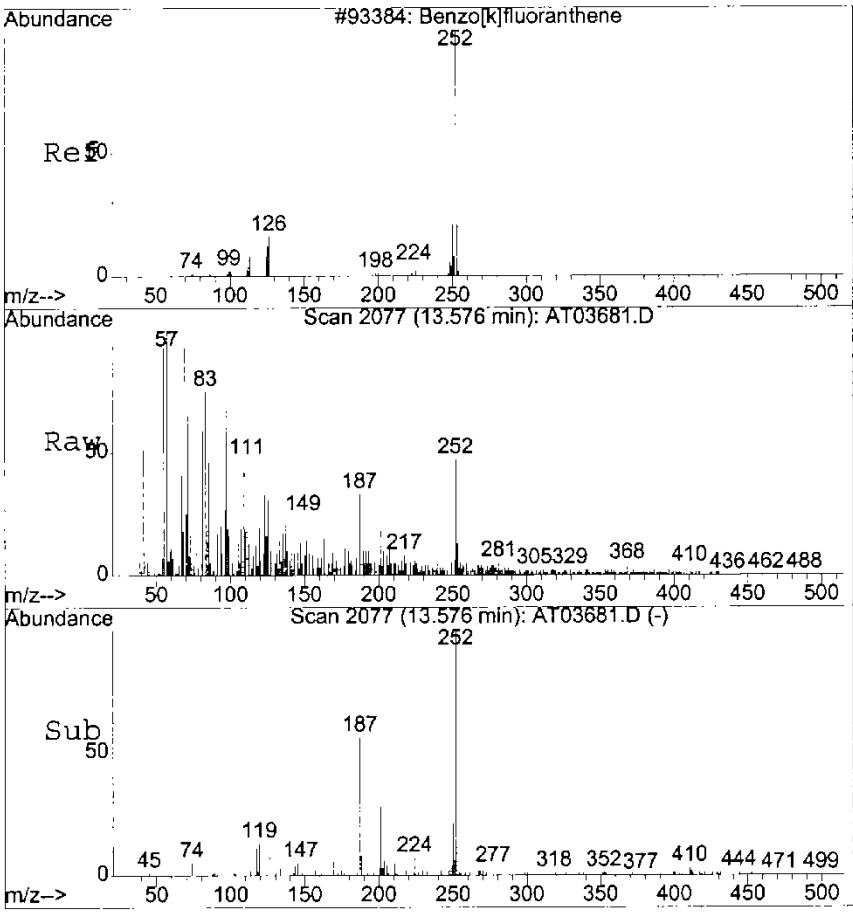


#88
Benzo(b)fluoranthene
Concen: 304.83 ul/l
RT: 13.54 min Scan# 2071
Delta R.T. 0.02 min
Lab File: AT03681.D
Acq: 25 Feb 2005 5:38 pm

Tgt Ion:252 Resp: 274337

Ion	Ratio	Lower	Upper
252	100		
126	12.9	11.5	21.5
253	20.7	15.6	29.0
250	22.7	15.4	28.6

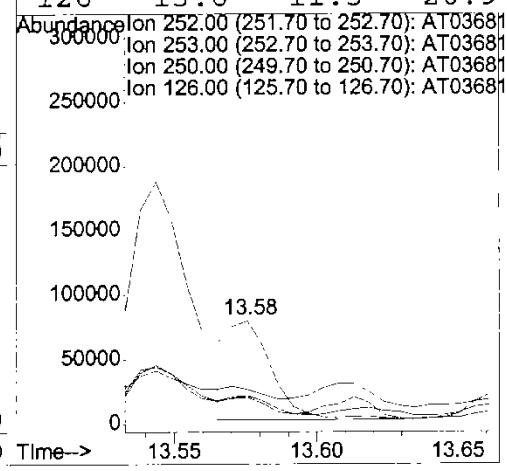


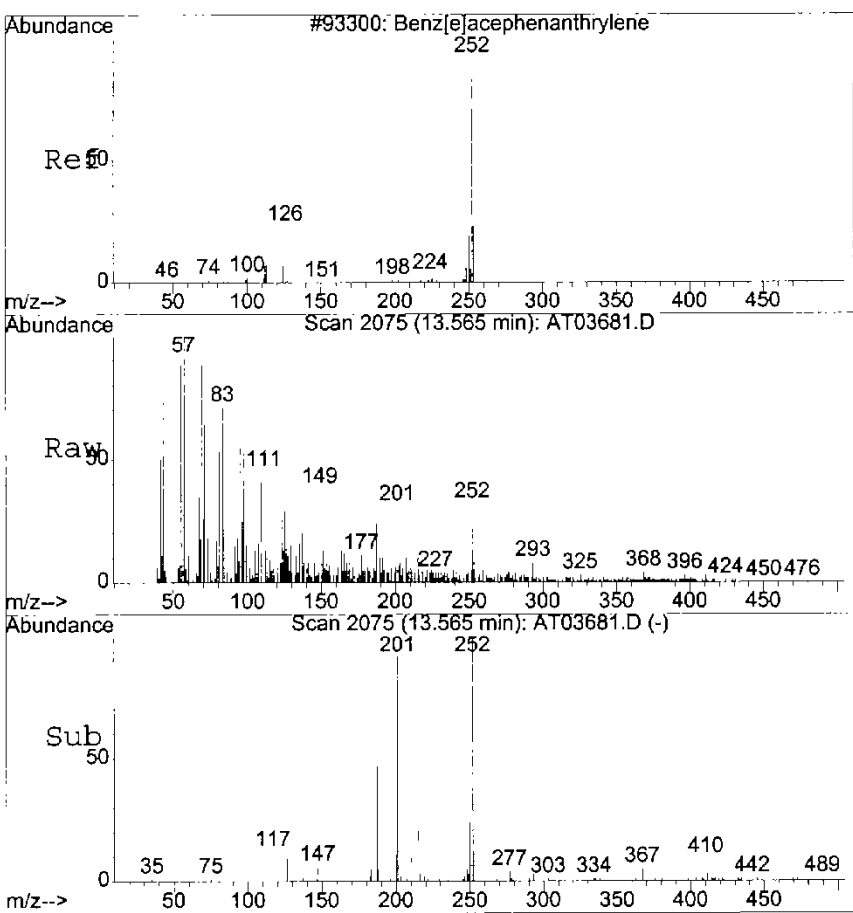


#89
benzo(k)fluoranthene
Concen: 100.78 ul/l
RT: 13.58 min Scan# 2077
Delta R.T. 0.01 min
Lab File: AT03681.D
Acq: 25 Feb 2005 5:38 pm

Tgt Ion:252 Resp: 82774

Ion	Ratio	Lower	Upper
252	100		
253	17.6	15.2	28.2
250	20.7	15.4	28.6
126	13.6	11.3	20.9

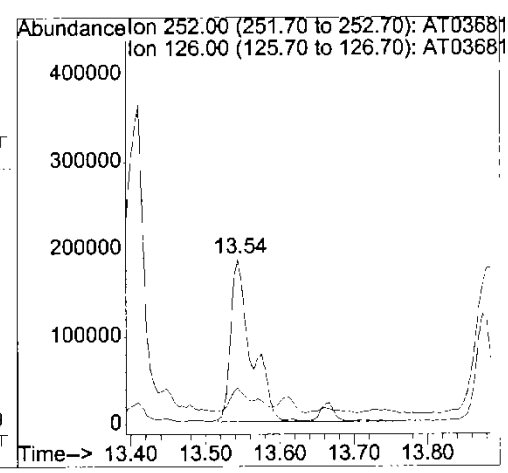


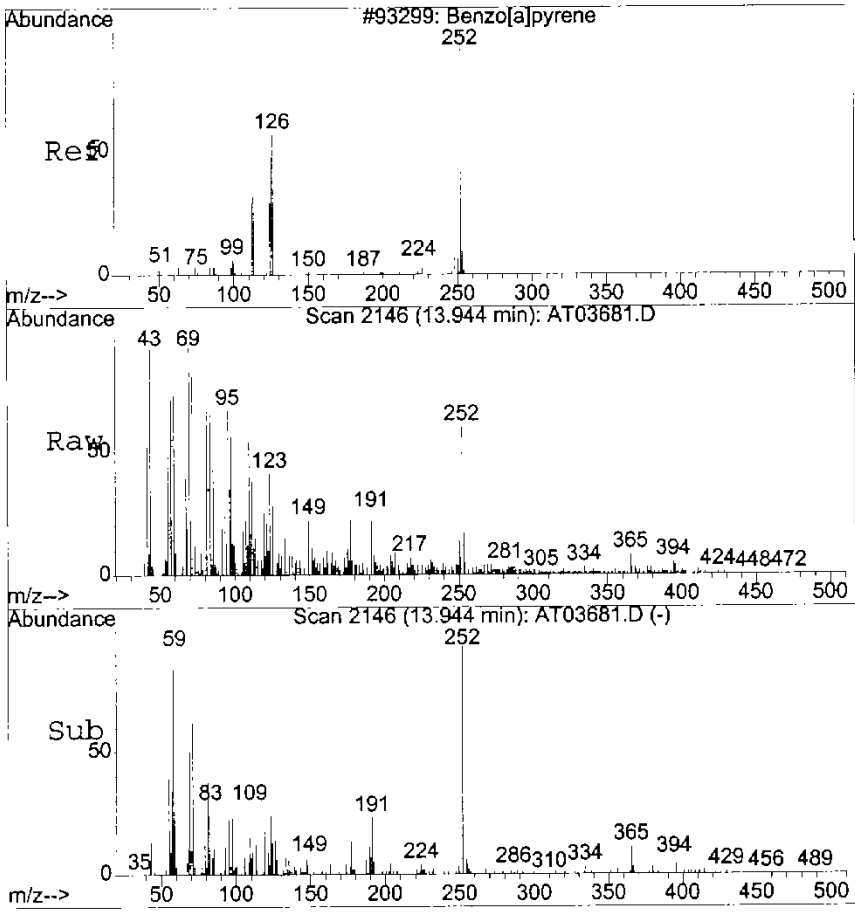


#90
Benzofluoranthenes
Concen: 469.30 ug/L
RT: 13.56 min Scan# 2075
Delta R.T. 0.01 min
Lab File: AT03681.D
Acq: 25 Feb 2005 5:38 pm

Tgt Ion:252 Resp: 390465

Ion	Ratio	Lower	Upper
252	100		
126	23.1	0.0	50.7

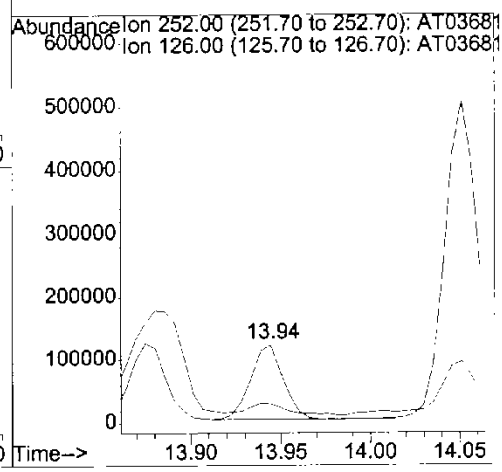


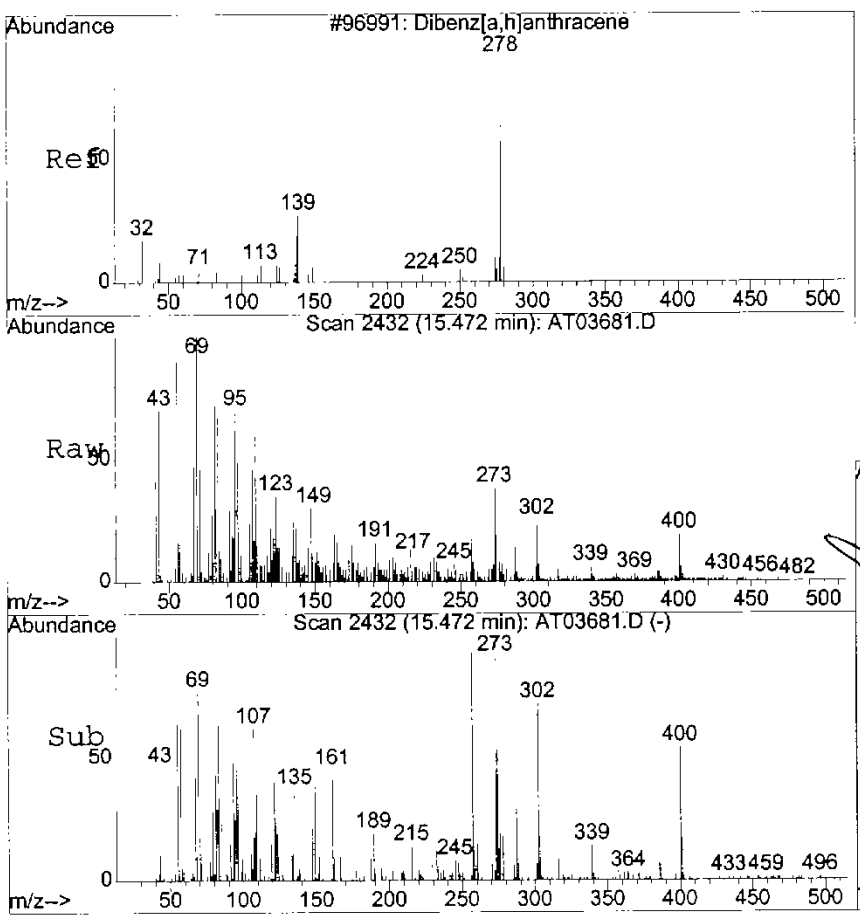


#91
Benzo(a)pyrene
Concen: 207.50 ug/L
RT: 13.94 min Scan# 2146
Delta R.T. 0.02 min
Lab File: AT03681.D
Acq: 25 Feb 2005 5:38 pm

Tgt Ion:252 Resp: 148017

Ion	Ratio	Lower	Upper
252	100		
126	10.8	0.0	44.5

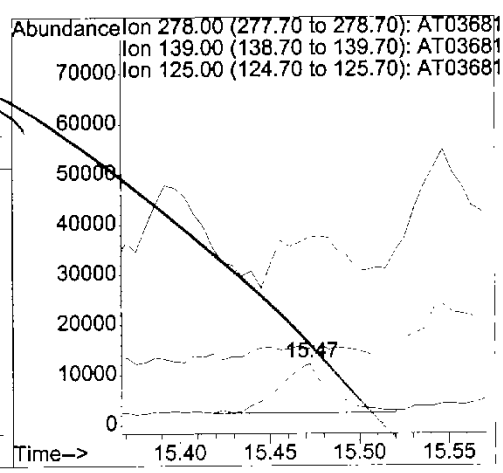


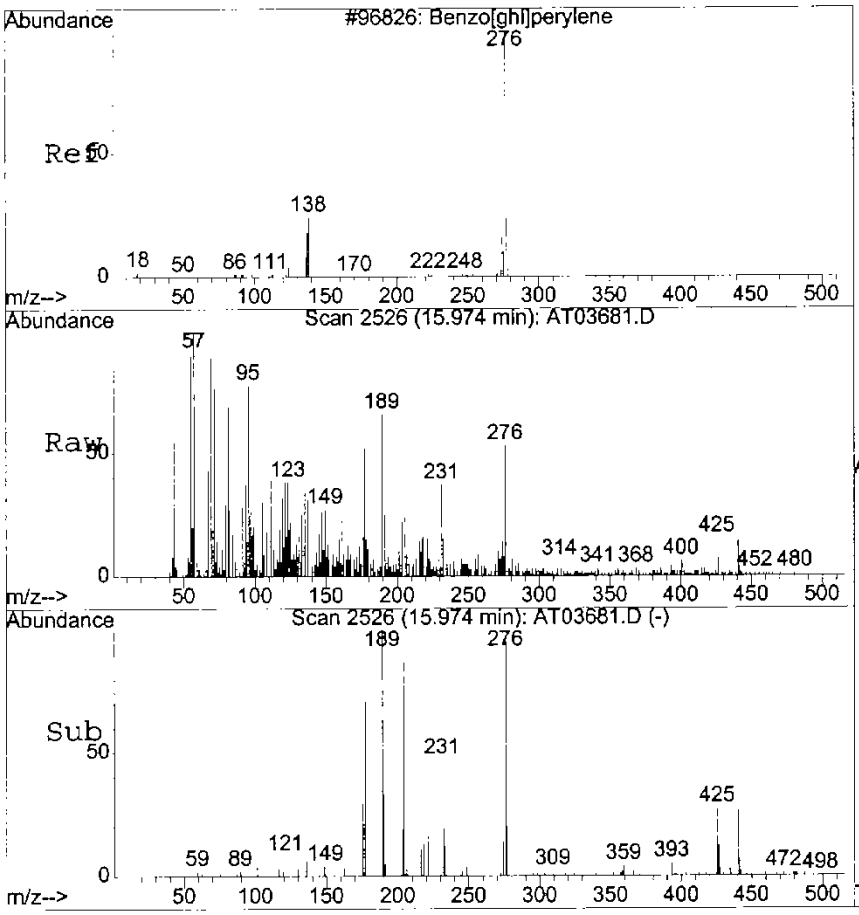


#93
Dibenz(a,h)anthracene
Concen: 35.44 ug/L
RT: 15.47 min Scan# 2432
Delta R.T. -0.14 min
Lab File: AT03681.D
Acq: 25 Feb 2005 5:38 pm

Tgt Ion:278 Resp: 19179

Ion	Ratio	Lower	Upper
278	100		
139	0.0	0.0	46.2
125	25.2	0.0	34.4

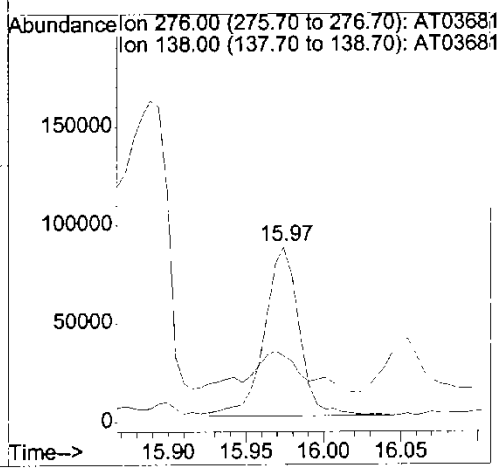




#94
Benzo(g,h,i)perylene
Concen: 166.83 ug/L
RT: 15.97 min Scan# 2526
Delta R.T. 0.07 min
Lab File: AT03681.D
Acq: 25 Feb 2005 5:38 pm

Tgt Ion:276 Resp: 132920

Ion	Ratio	Lower	Upper
276	100		
138	7.9	0.0	53.5



Quantitation Report (QT Reviewed)

Data File : H:\DATA\030105_A\AT03707.D
Acq On : 1 Mar 2005 5:06 pm
Sample : 126377-7 &1 1:5 ss1348
Misc :
MS Integration Params: Rteint.p
Quant Time: Mar 02 06:26:36 2005

Vial: 21
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: 8270_022505.RES

Quant Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Feb 28 14:16:48 2005
Response via : Initial Calibration
DataAcq Meth : 8270

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4 (I)	5.43	152	255156	1000.000 ug/L	0.00
23) Naphthalene - d8 (I)	6.55	136	943533	1000.000 ug/L	0.00
39) Acenaphthene - d10 (I)	8.00	162	498192	1000.000 ug/L	0.00
63) Phenanthrene - d10 (I)	9.31	188	897877	1000.000 ug/L	0.00
80) Chrysene - d12 (I)	12.17	240	921230	1000.000 ul/l	0.00
86) Perylene - d12 (I)	13.79	264	918513	1000.000 ug/L	0.01
System Monitoring Compounds					
4) 2 - Fluorophenol (S)	4.14	112	20863	97.66 ug/L	0.00
8) Phenol - d5 (S)	5.13	99	30464	126.69 ug/L	0.00
24) Nitrobenzene - d5 (S)	5.94	82	10501	54.28 ug/L	0.00
44) 2 - Fluorobiphenyl (S)	7.46	172	30878	57.44 ug/L	0.00
66) 2,4,6 - Tribromophenol (S)	8.68	330	15236	196.90 ug/L	0.00
79) p - Terphenyl - d14 (S)	11.00	244	92918	170.92 ug/L	0.00
Target Compounds					Qvalue
3) Pyridine	2.62	79	3918	194.786 ug/L	70
5) Cyclohexanone	4.50	55	866	5.174 ul/L	64
6) Benzaldehyde	5.04	105	11874	61.463 ul/L	95
9) Phenol	5.15	94	5531	21.573 ug/L	88
10) bis(2-Chloroethyl)ether	5.24	93	1304	5.162 ug/L	84
19) 3-&4-Methylphenol	5.83	108	2070	35.730 ug/L	87
30) Benzoic Acid	6.35	105	18203	517.796 ug/L	94
33) Naphthalene	6.56	128	3701	5.082 ug/L	83
34) 4-Chloroaniline	6.56	127	721	5.073 ug/L	69
48) Dimethylphthalate	7.80	163	6248	13.355 ug/L	97
49) Acenaphthylene	7.89	152	14276	20.778 ug/L	97
50) 2,6-Dinitrotoluene	7.83	165	2921	49.967 ug/L	59
51) 3-Nitroaniline	7.97	138	581	Below Cal #	12
52) Acenaphthene	8.03	153	3286	7.268 ug/L	83
55) Dibenzofuran	8.18	168	5177	8.547 ug/L	90
59) Diethylphthalate	8.39	149	19915	40.249 ug/L	94
60) Fluorene	8.46	166	7030	15.082 ug/L	87
71) Phenanthrene	9.33	178	50027	68.340 ug/L	93
72) Anthracene	9.38	178	32744	49.318 ug/L	94
73) Octadecane	9.24	57	9265	43.613 ul/L	84
74) Carbazole	9.55	167	7671	17.067 ug/L	91
75) Di-n-butylphthalate	9.93	149	815700	1036.626 ug/L	100
76) Fluoranthene	10.55	202	87734	117.428 ug/L	96
77) Pyrene	10.79	202	86160	111.183 ug/L	99
81) Butylbenzylphthalate	11.59	149	20335	130.495 ug/L	98
82) Benzo(a)anthracene	12.16	228	133708	199.797 ug/L	72

(#) = qualifier out of range (m) = manual integration

00683

Data File : H:\DATA\030105_A\AT03707.D
Acq On : 1 Mar 2005 5:06 pm
Sample : 126377-7 &1 1:5 ss1348
Misc :
MS Integration Params: Rteint.p
Quant Time: Mar 02 06:26:36 2005

Vial: 21
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: 8270_022505.RES

Quant Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Feb 28 14:16:48 2005
Response via : Initial Calibration
DataAcq Meth : 8270

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
83)	3,3'-Dichlorobenzidine	12.11	252	708	31.064	ug/L	63
84)	Chrysene	12.20	228	704726	1010.305	ug/L	97
85)	bis(2-Ethylhexyl)phthalate	12.29	149	80557	186.379	ug/L	99
87)	Di-n-octylphthalate	12.96	149	5956	8.368	ug/L	74
88)	Benzo(b)fluoranthene	13.35	252	225426	292.369	ul/l	98
89)	benzo(k)fluoranthene	13.38	252	81429m	115.504	ul/l	
90)	Benzofluoranthenes	13.37	252	334189	467.973	ug/L	95
91)	Benzo(a)pyrene	13.72	252	103977	169.821	ug/L	99
92)	Indeno(1,2,3-cd)pyrene	15.32	276	58275	104.903	ug/L	95
93)	Dibenz(a,h)anthracene	15.36	278	12985	30.627	ug/L	93
94)	Benzo(g,h,i)perylene	15.68	276	55872	81.704	ug/L	99

3/2/05

(#) = qualifier out of range (m) = manual integration

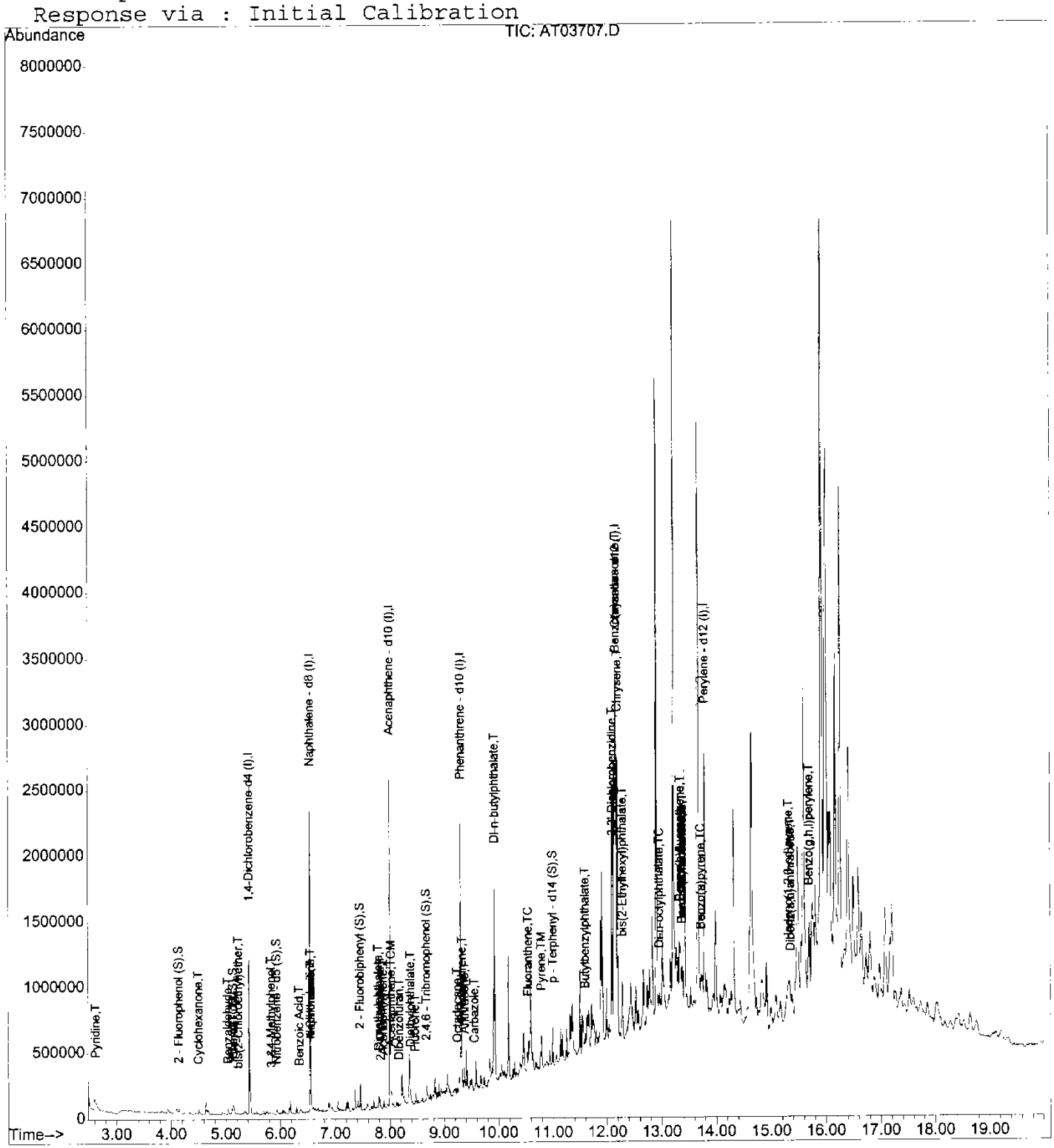
000684

Data File : H:\DATA\030105_A\AT03707.D
Acq On : 1 Mar 2005 5:06 pm
Sample : 126377-7 &1 1:5 ss1348
Misc :
MS Integration Params: Rteint.p
Quant Time: Mar 2 6:34 2005

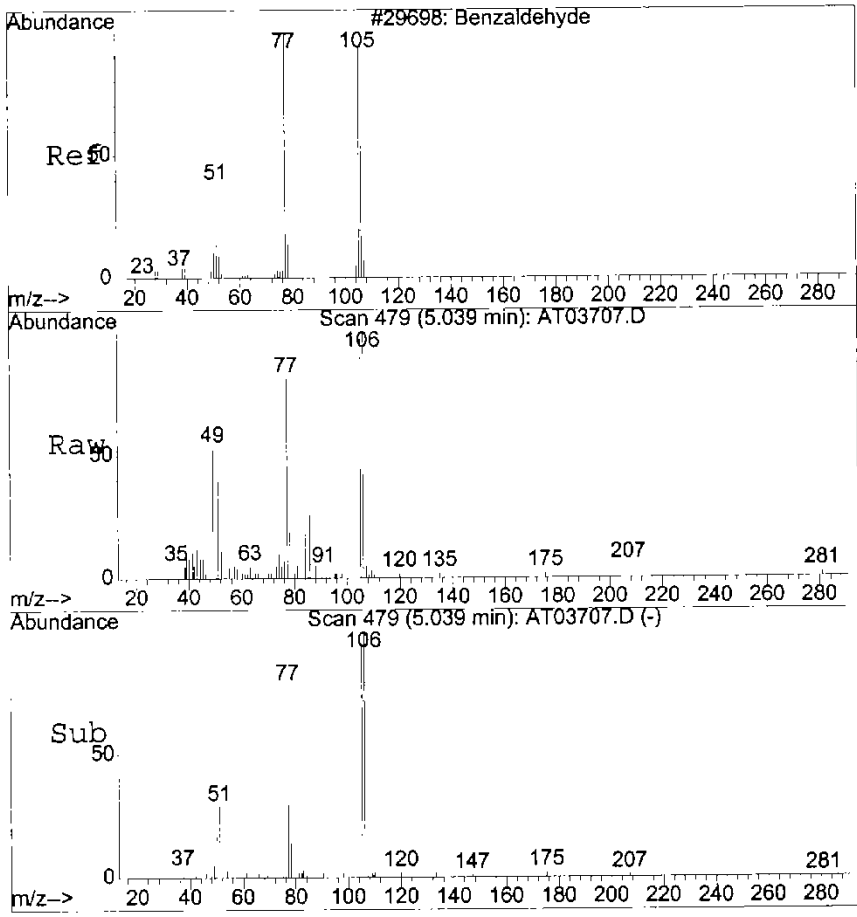
Vial: 21
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00

Quant Results File: 8270_022505.

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Feb 28 14:16:48 2005
Response via : Initial Calibration



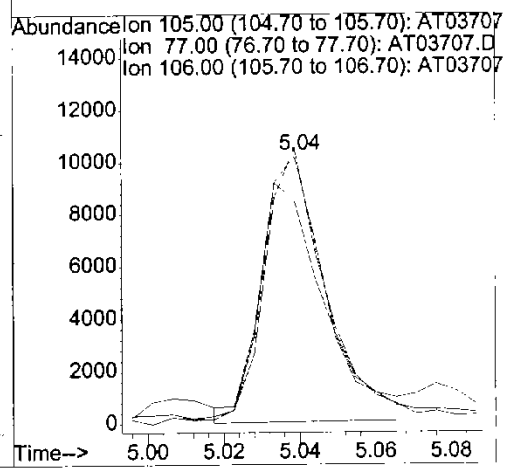
000685

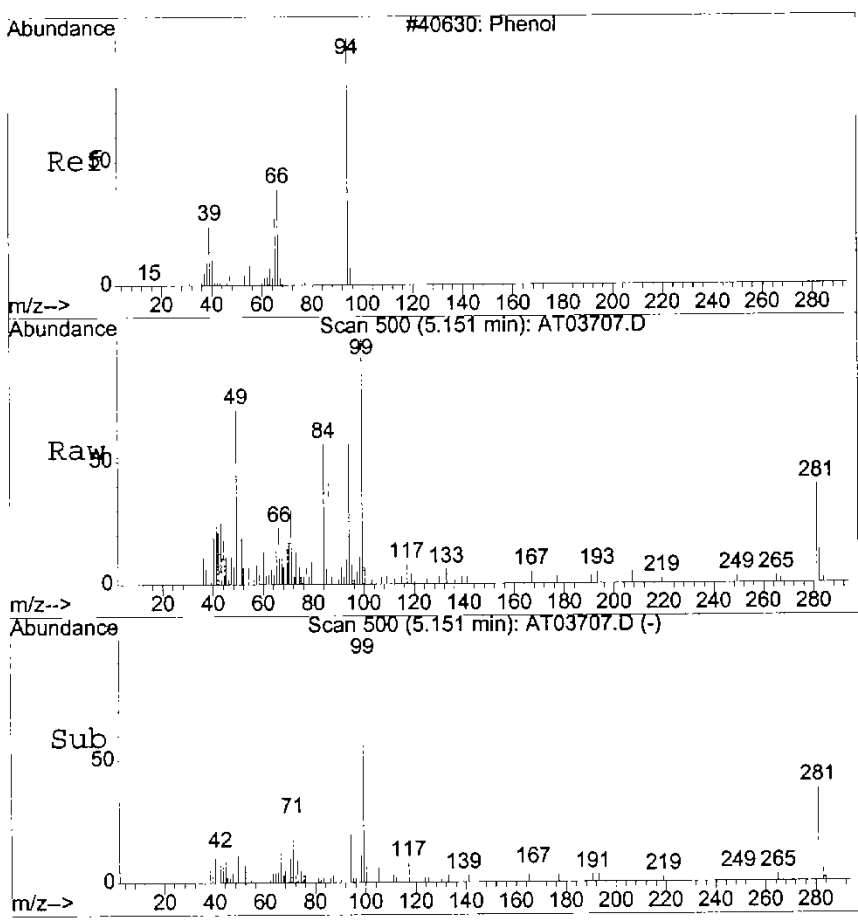


#6
Benzaldehyde
Concen: 61.46 ul/L
RT: 5.04 min Scan# 479
Delta R.T. -0.02 min
Lab File: AT03707.D
Acq: 1 Mar 2005 5:06 pm

Tgt Ion:105 Resp: 11874

Ion	Ratio	Lower	Upper
105	100		
77	90.4	63.9	123.9
106	108.0	72.0	132.0

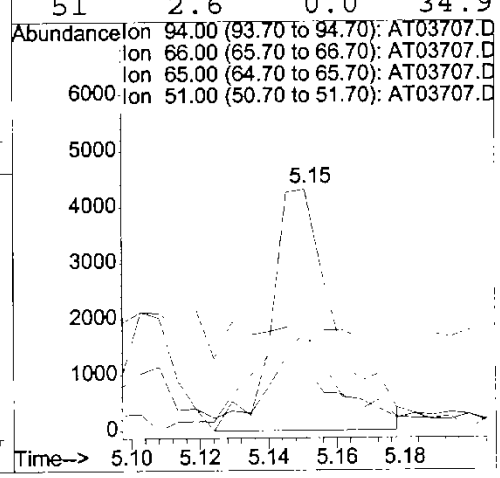


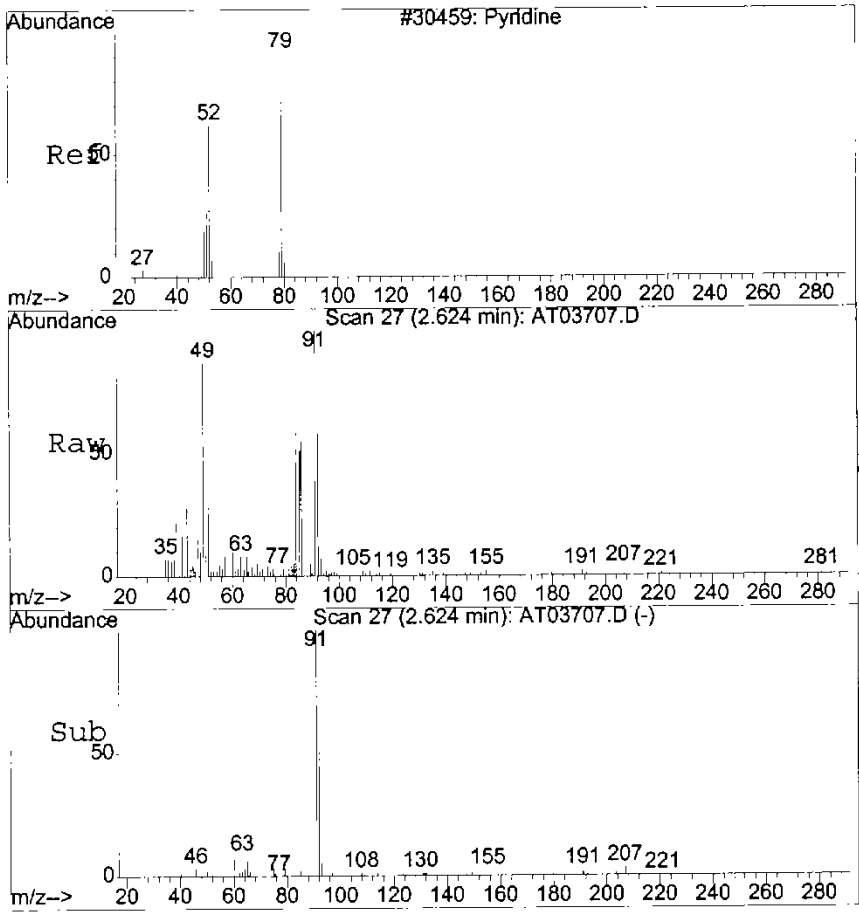


#9
Phenol
Concen: 21.57 ug/L
RT: 5.15 min Scan# 500
Delta R.T. 0.00 min
Lab File: AT03707.D
Acq: 1 Mar 2005 5:06 pm

Tgt Ion: 94 Resp: 5531

Ion	Ratio	Lower	Upper
94	100		
66	37.5	14.1	74.1
65	22.6	1.3	61.3
51	2.6	0.0	34.9

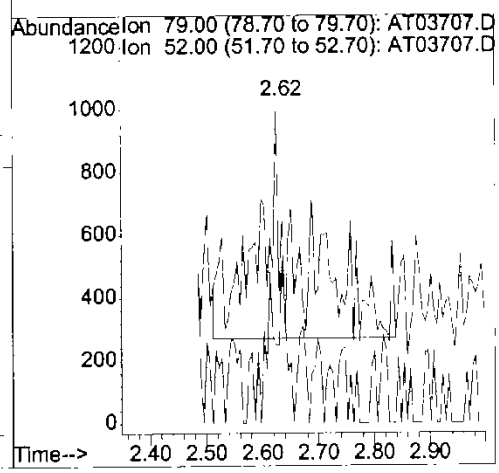


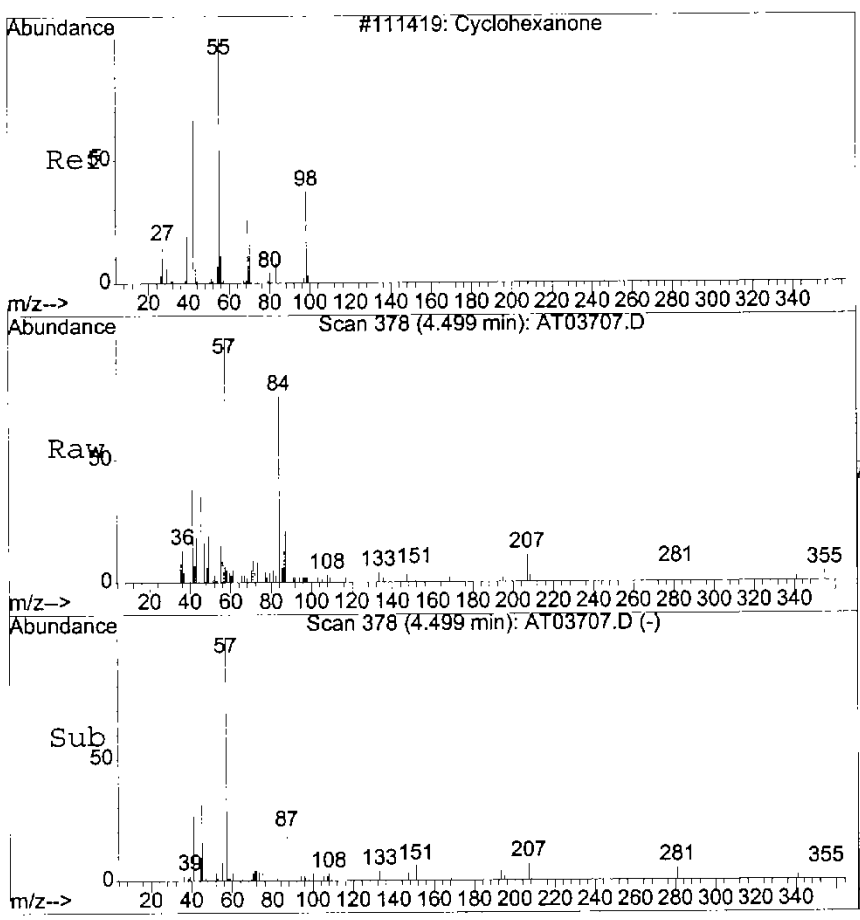


#3
Pyridine
Concen: 194.79 ug/L
RT: 2.62 min Scan# 27
Delta R.T. 0.07 min
Lab File: AT03707.D
Acq: 1 Mar 2005 5:06 pm

Tgt Ion: 79 Resp: 3918

Ion	Ratio	Lower	Upper
79	100		
52	37.4	29.7	89.7

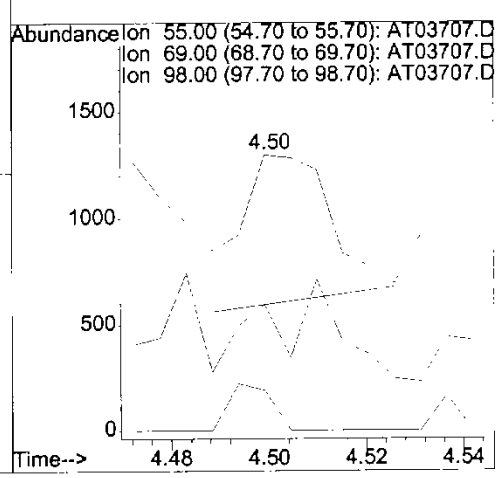




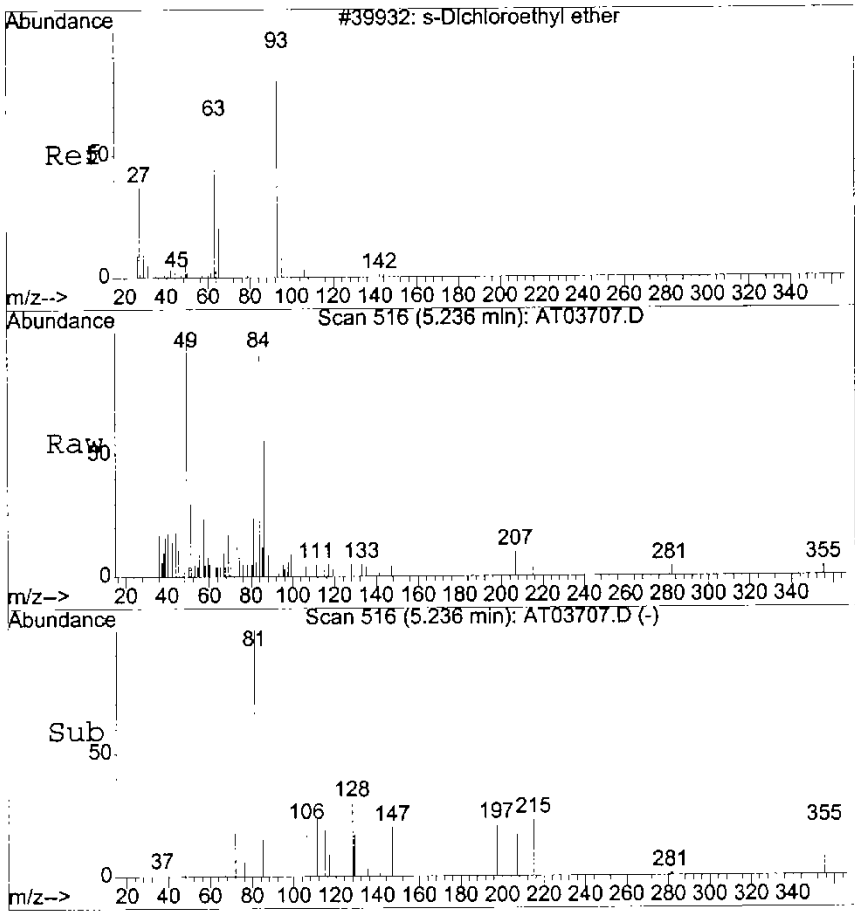
#5
Cyclohexanone
Concen: 5.17 ul/L
RT: 4.50 min Scan# 378
Delta R.T. 0.03 min
Lab File: AT03707.D
Acq: 1 Mar 2005 5:06 pm

Tgt Ion: 55 Resp: 866

Ion	Ratio	Lower	Upper
55	100		
69	64.0	4.6	64.6
98	36.1	24.8	84.8



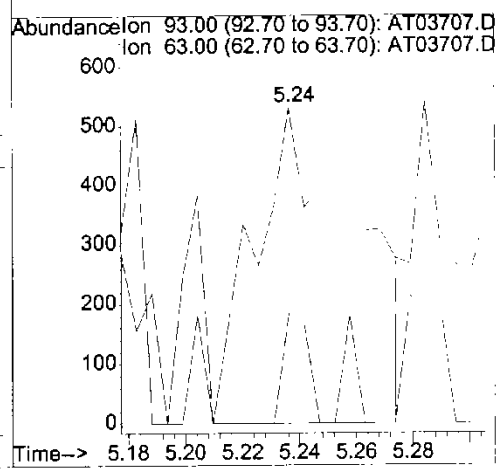
00687

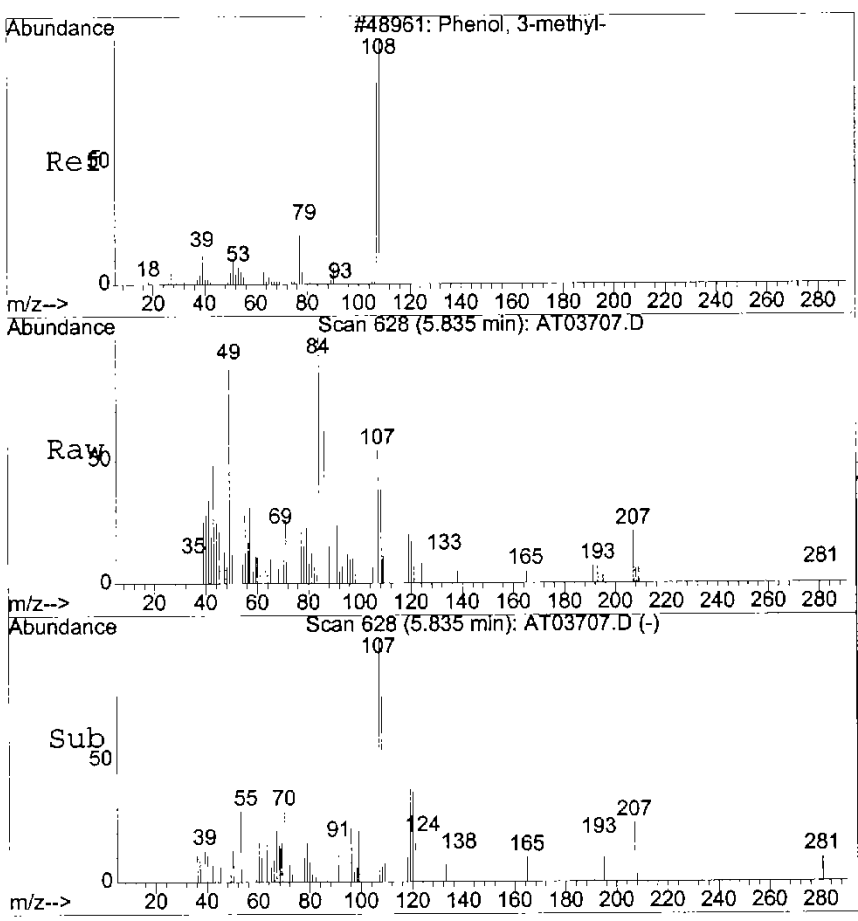


#10
bis(2-Chloroethyl)ether
Concen: 5.16 ug/L
RT: 5.24 min Scan# 516
Delta R.T. 0.01 min
Lab File: AT03707.D
Acq: 1 Mar 2005 5:06 pm

Tgt Ion: 93 Resp: 1304

Ion	Ratio	Lower	Upper
93	100		
63	47.5	29.8	89.8

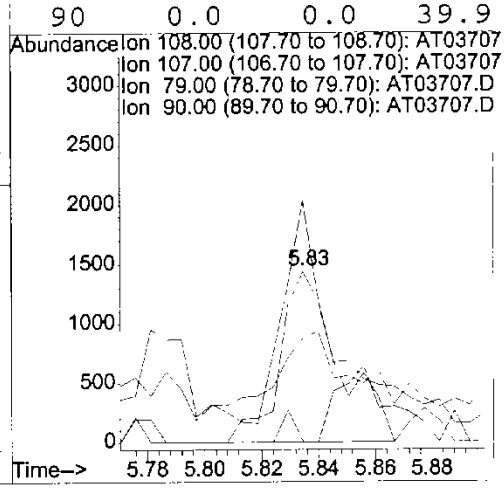


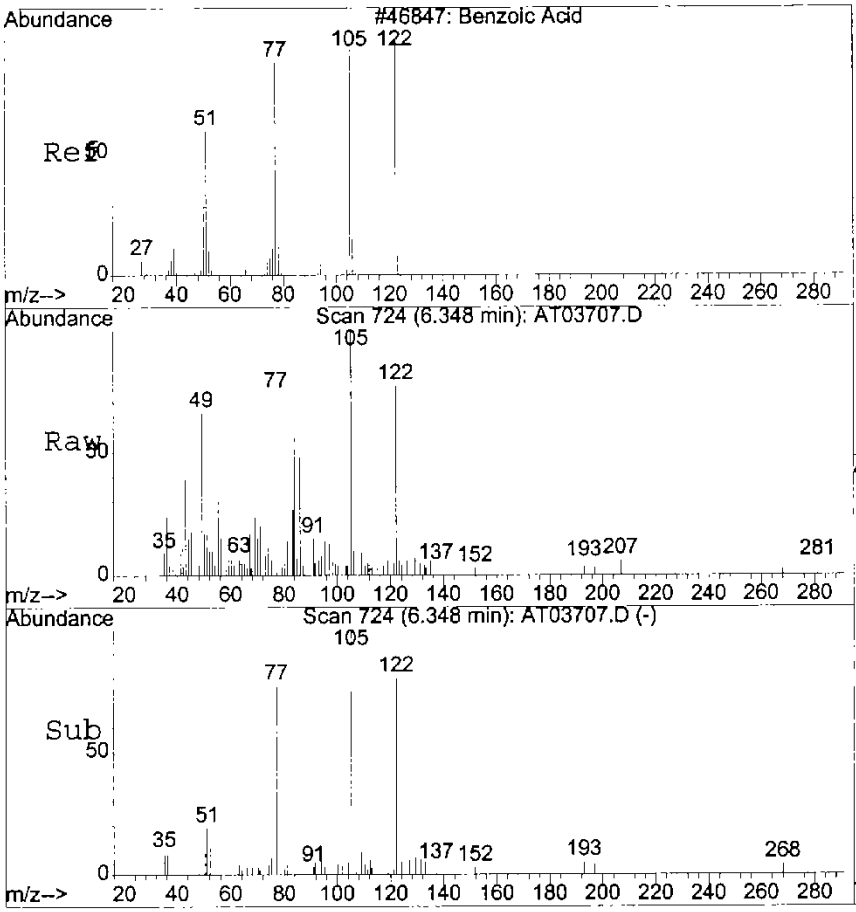


#19
3-&4-Methylphenol
Concen: 35.73 ug/L
RT: 5.83 min Scan# 628
Delta R.T. 0.03 min
Lab File: AT03707.D
Acq: 1 Mar 2005 5:06 pm

Tgt Ion:108 Resp: 2070

Ion	Ratio	Lower	Upper
108	100		
107	113.9	75.6	135.6
79	38.8	0.0	55.6
90	0.0	0.0	39.9

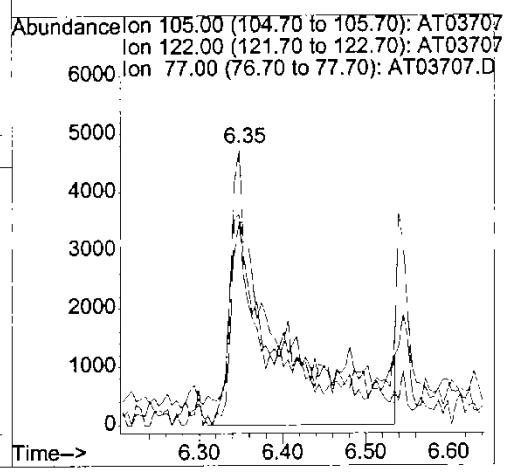


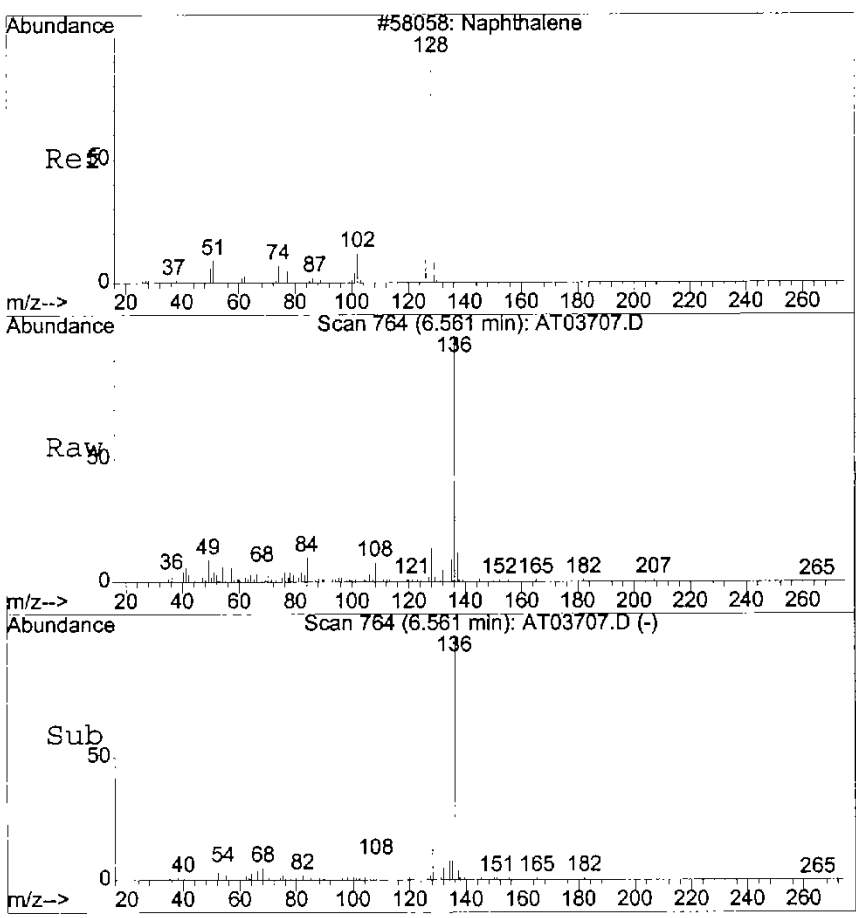


#30
Benzoic Acid
Concen: 517.80 ug/L
RT: 6.35 min Scan# 724
Delta R.T. -0.04 min
Lab File: AT03707.D
Acq: 1 Mar 2005 5:06 pm

Tgt Ion:105 Resp: 18203

Ion	Ratio	Lower	Upper
105	100		
122	80.5	58.0	118.0
77	62.1	34.2	94.2

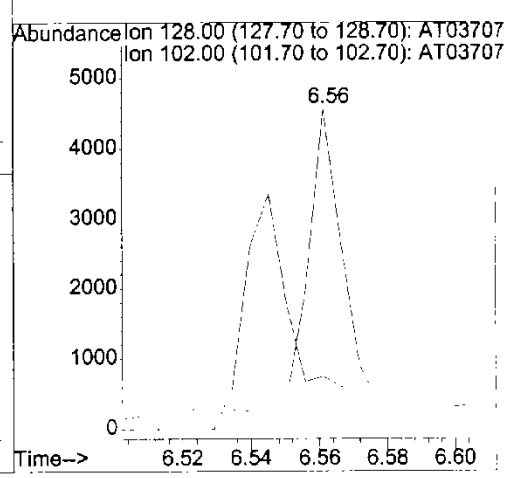




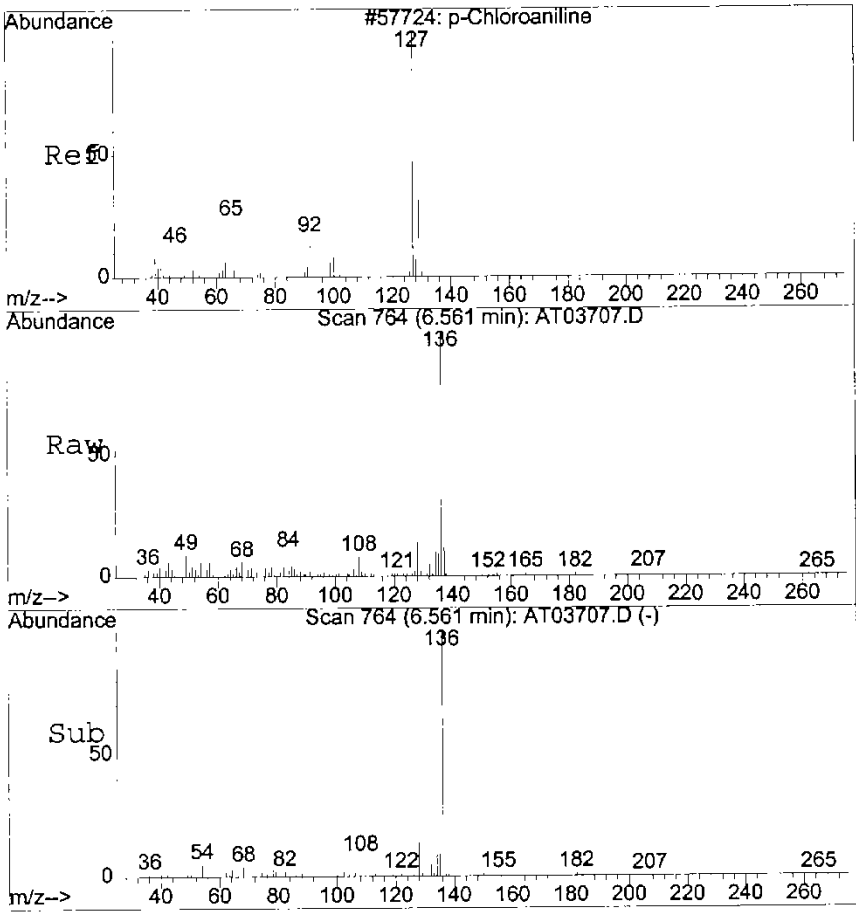
#33
Naphthalene
Concen: 5.08 ug/L
RT: 6.56 min Scan# 764
Delta R.T. 0.00 min
Lab File: AT03707.D
Acq: 1 Mar 2005 5:06 pm

Tgt Ion:128 Resp: 3701

Ion	Ratio	Lower	Upper
128	100		
102	13.6	0.0	37.8



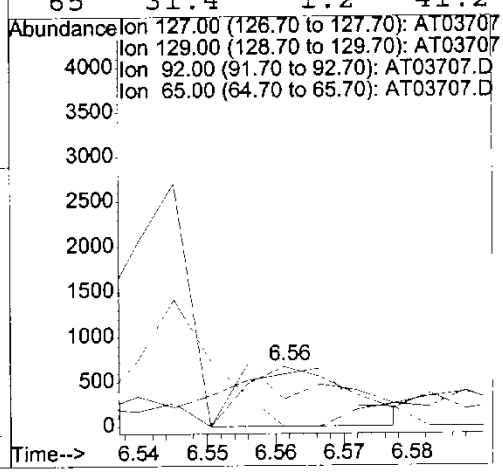
68900

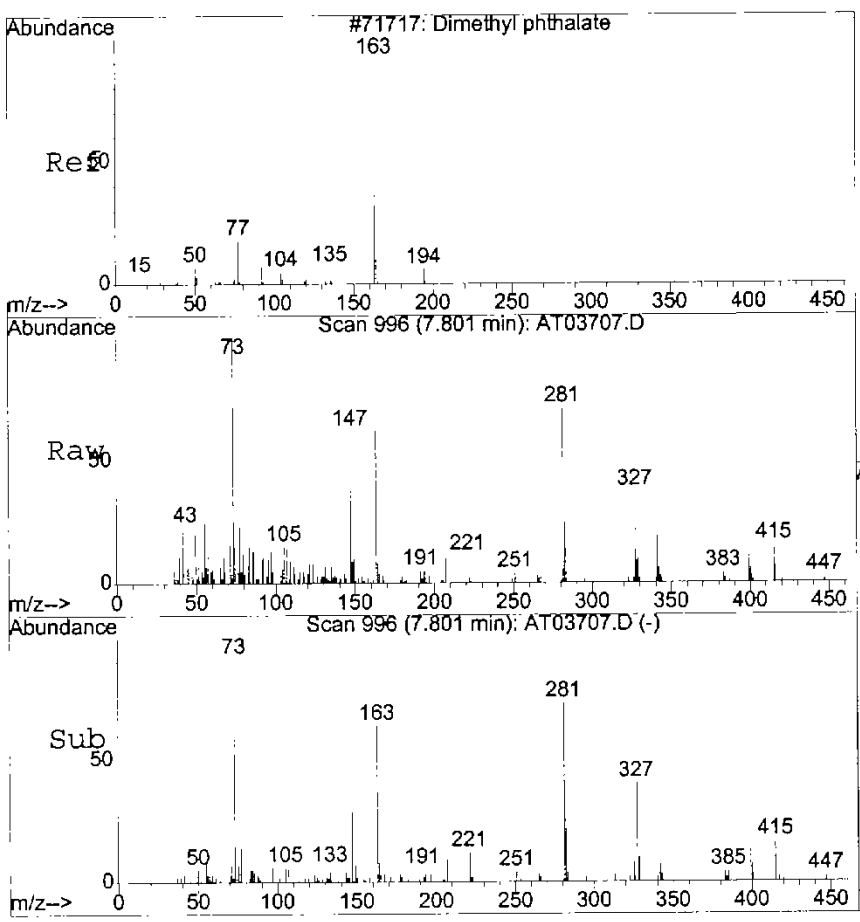


#34
4-Chloroaniline
Concen: 5.07 ug/L
RT: 6.56 min Scan# 764
Delta R.T. -0.06 min
Lab File: AT03707.D
Acq: 1 Mar 2005 5:06 pm

Tgt Ion:127 Resp: 721

Ion	Ratio	Lower	Upper
127	100		
129	53.0	3.2	63.2
92	0.0	0.0	45.6
65	31.4	1.2	41.2

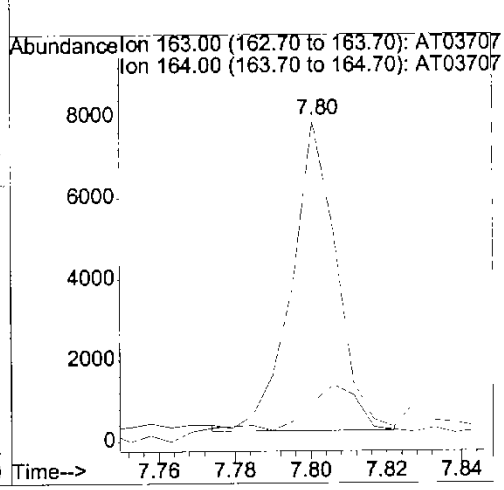


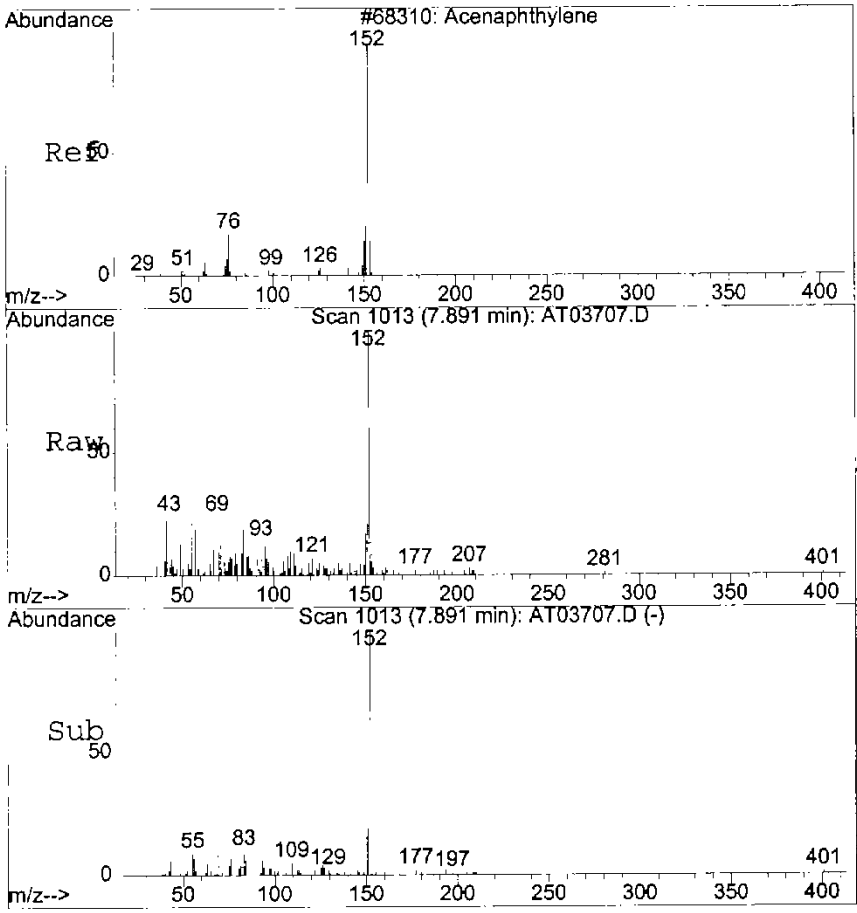


#48
Dimethylphthalate
Concen: 13.35 ug/L
RT: 7.80 min Scan# 996
Delta R.T. 0.01 min
Lab File: AT03707.D
Acq: 1 Mar 2005 5:06 pm

Tgt Ion:163 Resp: 6248

Ion	Ratio	Lower	Upper
163	100		
164	8.9	0.0	40.0

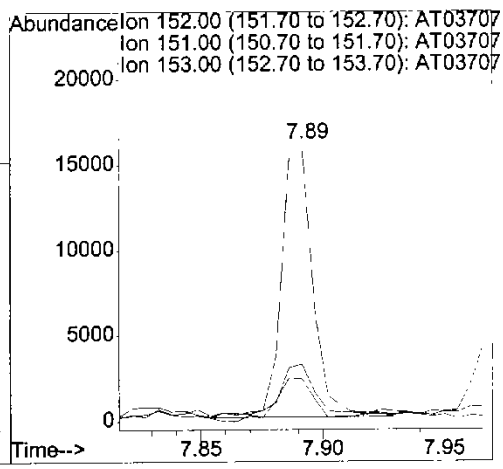


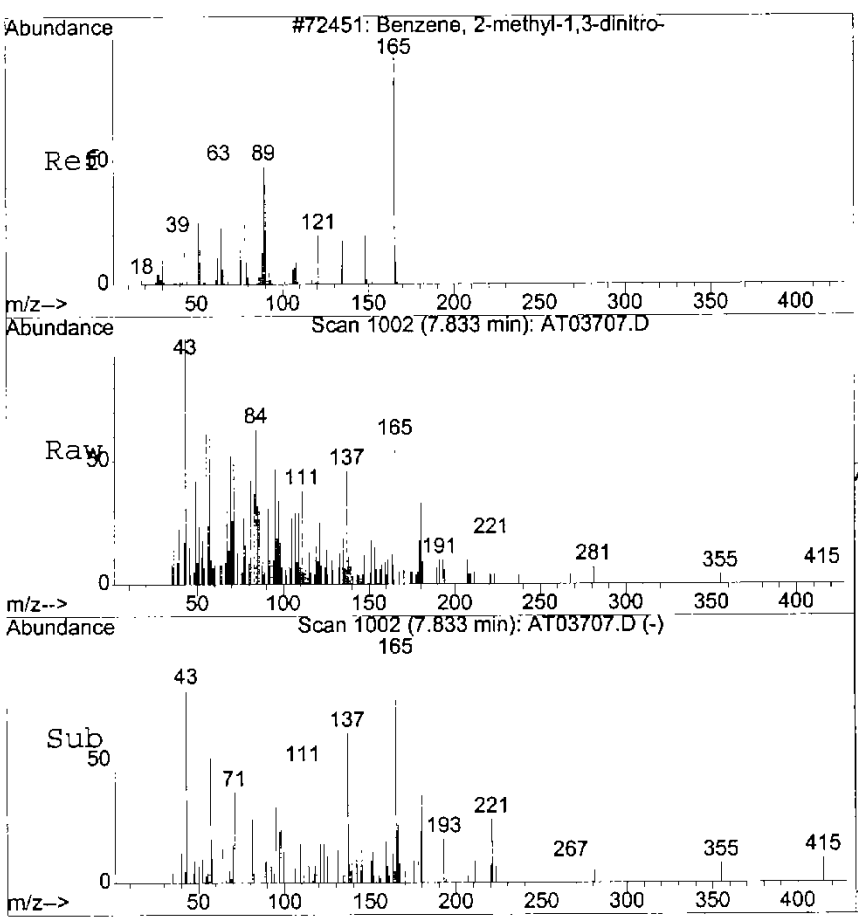


#49
Acenaphthylene
Concen: 20.78 ug/L
RT: 7.89 min Scan# 1013
Delta R.T. 0.00 min
Lab File: AT03707.D
Acq: 1 Mar 2005 5:06 pm

Tgt Ion:152 Resp: 14276

Ion	Ratio	Lower	Upper
152	100		
151	18.2	0.0	49.4
153	13.9	0.0	43.0

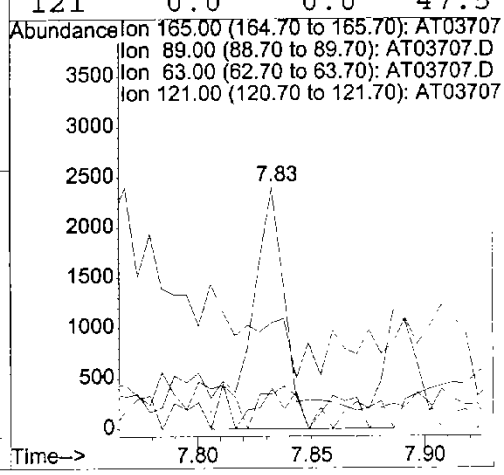


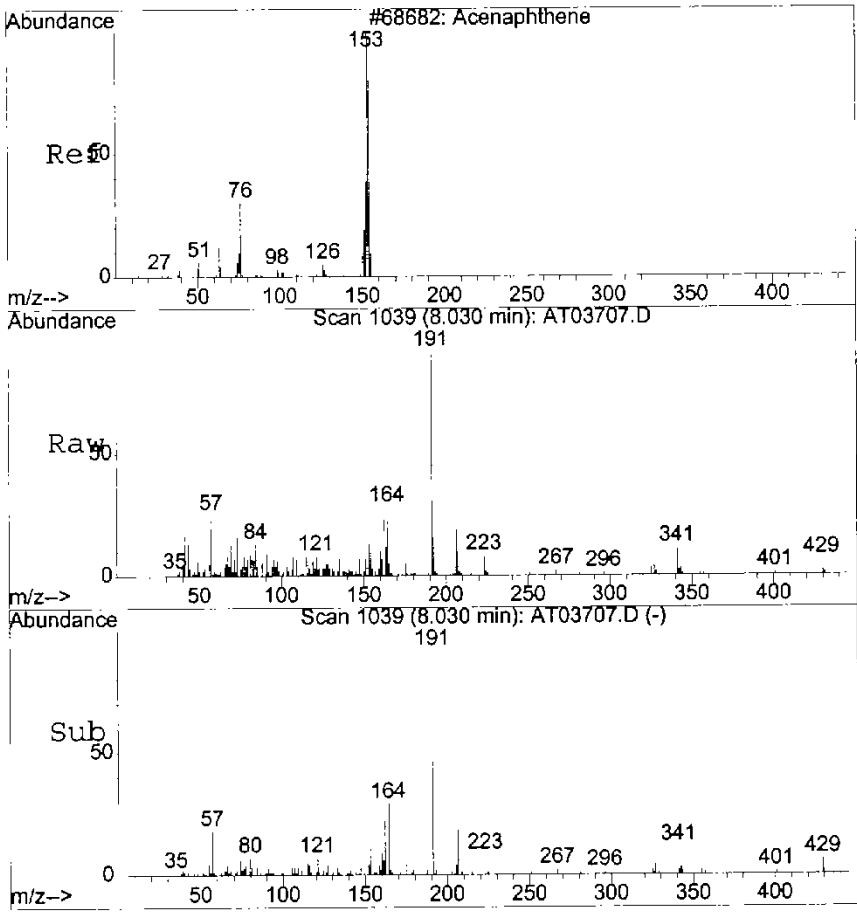


#50
2,6-Dinitrotoluene
Concen: 49.97 ug/L
RT: 7.83 min Scan# 1002
Delta R.T. -0.01 min
Lab File: AT03707.D
Acq: 1 Mar 2005 5:06 pm

Tgt Ion:165 Resp: 2921

Ion	Ratio	Lower	Upper
165	100		
89	12.2	8.4	68.4
63	0.0	0.0	45.4
121	0.0	0.0	47.5

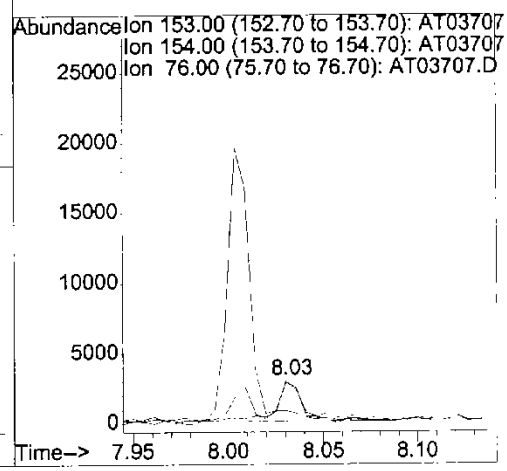


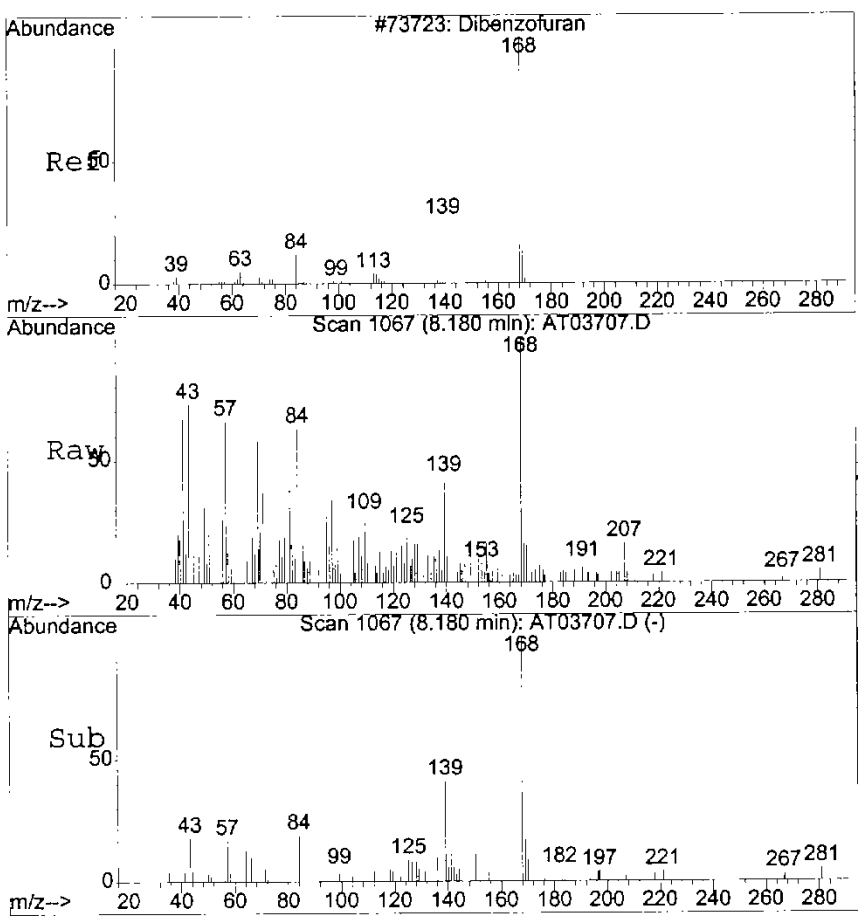


#52
Acenaphthene
Concen: 7.27 ug/L
RT: 8.03 min Scan# 1039
Delta R.T. 0.00 min
Lab File: AT03707.D
Acq: 1 Mar 2005 5:06 pm

Tgt Ion:153 Resp: 3286

Ion	Ratio	Lower	Upper
153	100		
154	97.8	53.5	113.5
76	10.8	0.0	50.2

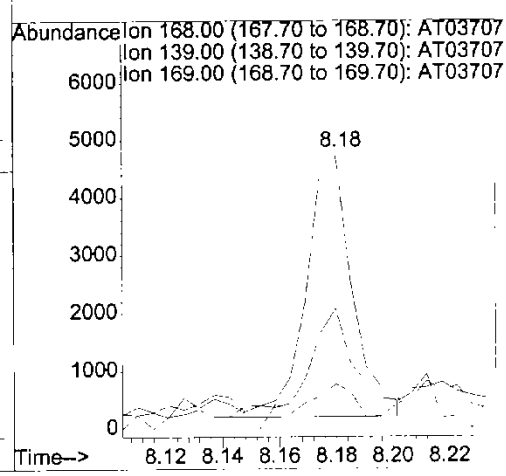


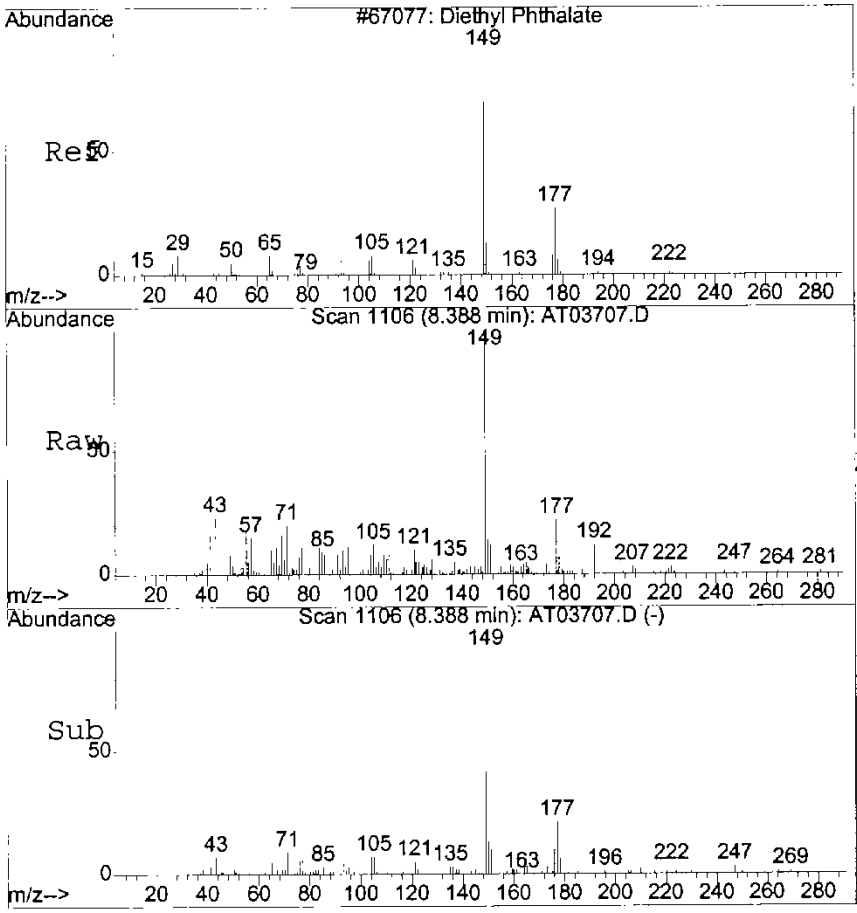


#55
Dibenzofuran
Concen: 8.55 ug/L
RT: 8.18 min Scan# 1067
Delta R.T. 0.01 min
Lab File: AT03707.D
Acq: 1 Mar 2005 5:06 pm

Tgt Ion:168 Resp: 5177

Ion	Ratio	Lower	Upper
168	100		
139	34.5	0.6	60.6
169	6.7	0.0	42.8

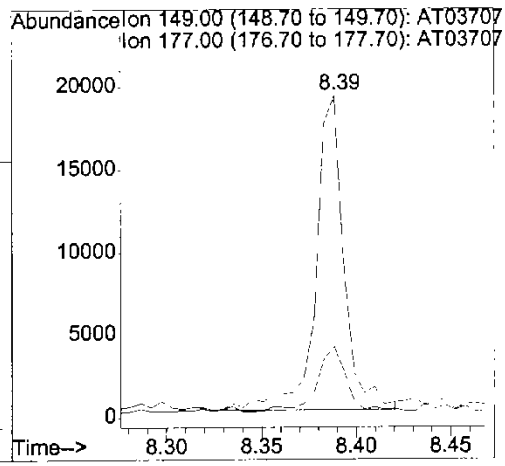


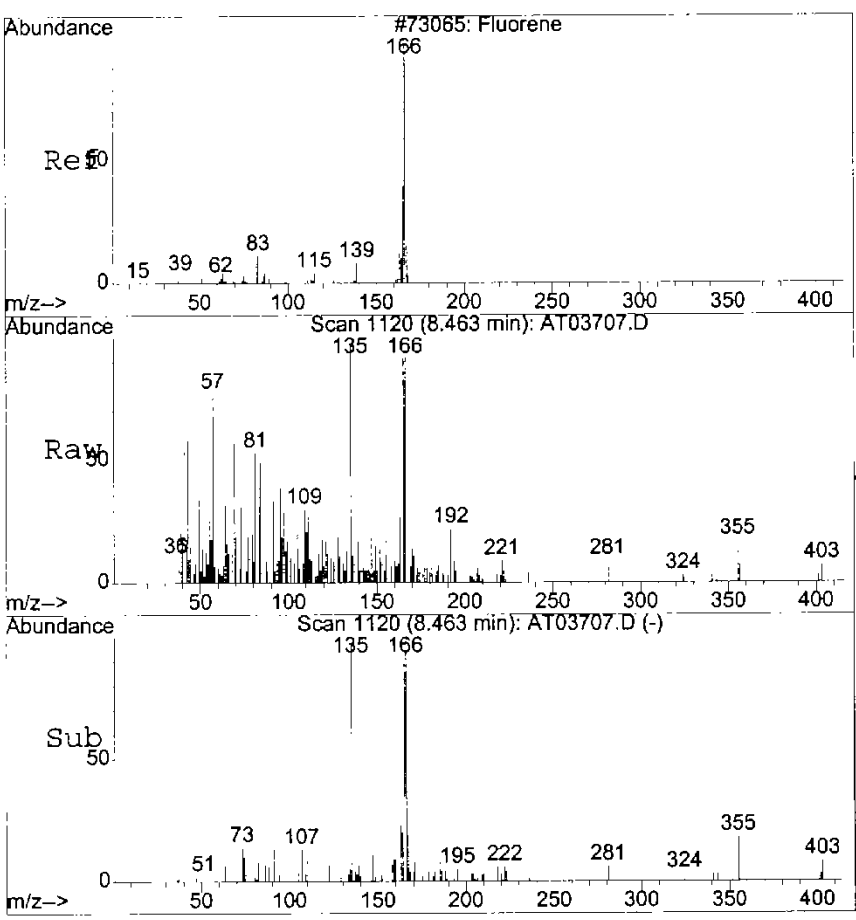


#59
Diethylphthalate
Concen: 40.25 ug/L
RT: 8.39 min Scan# 1106
Delta R.T. 0.01 min
Lab File: AT03707.D
Acq: 1 Mar 2005 5:06 pm

Tgt Ion:149 Resp: 19915

Ion	Ratio	Lower	Upper
149	100		
177	20.2	0.0	53.1

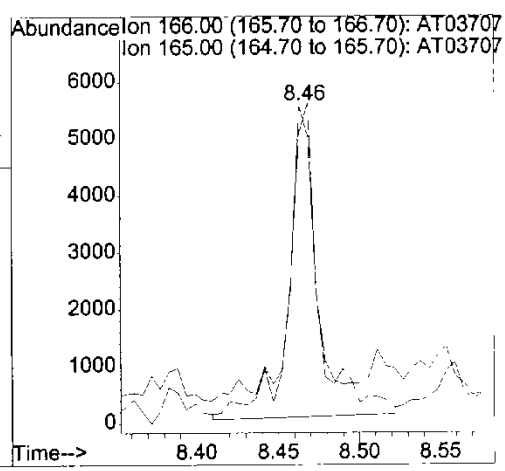


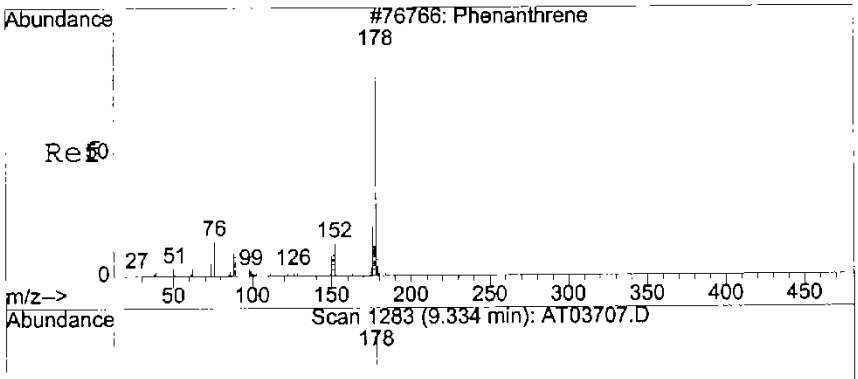


#60
Fluorene
Concen: 15.08 ug/L
RT: 8.46 min Scan# 1120
Delta R.T. 0.00 min
Lab File: AT03707.D
Acq: 1 Mar 2005 5:06 pm

Tgt Ion:166 Resp: 7030

Ion	Ratio	Lower	Upper
166	100		
165	82.7	65.1	125.1

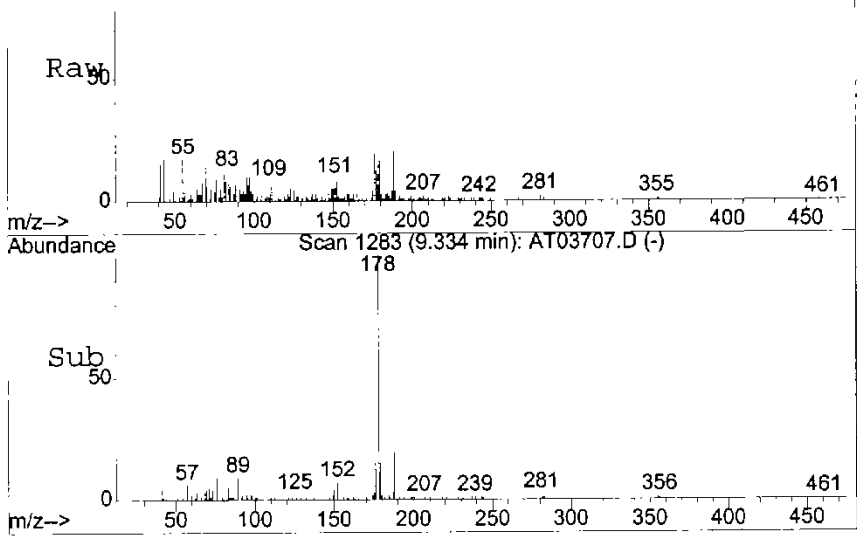


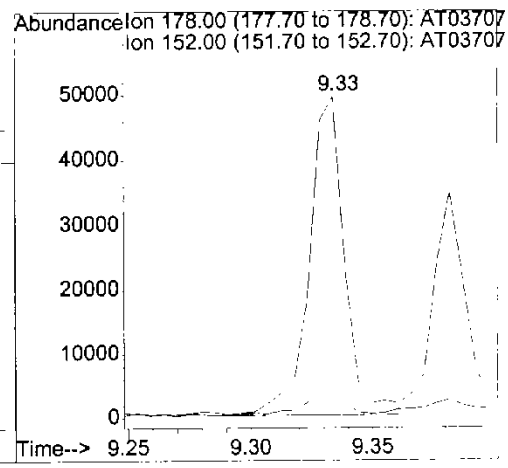


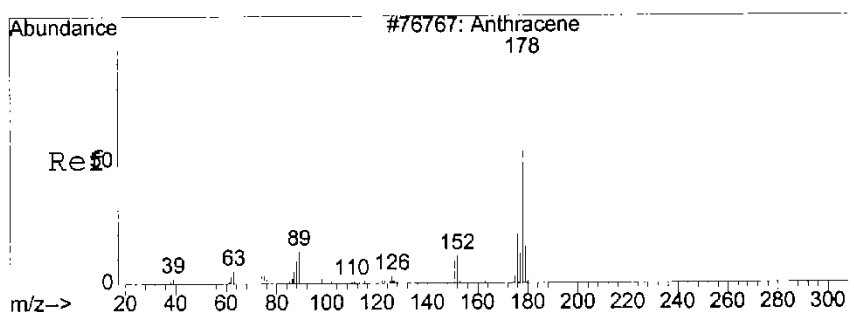
#71
Phenanthrene
Concen: 68.34 ug/L
RT: 9.33 min Scan# 1283
Delta R.T. 0.01 min
Lab File: AT03707.D
Acq: 1 Mar 2005 5:06 pm

Tgt Ion:178 Resp: 50027

Ion	Ratio	Lower	Upper
178	100		
152	6.2	0.0	38.6



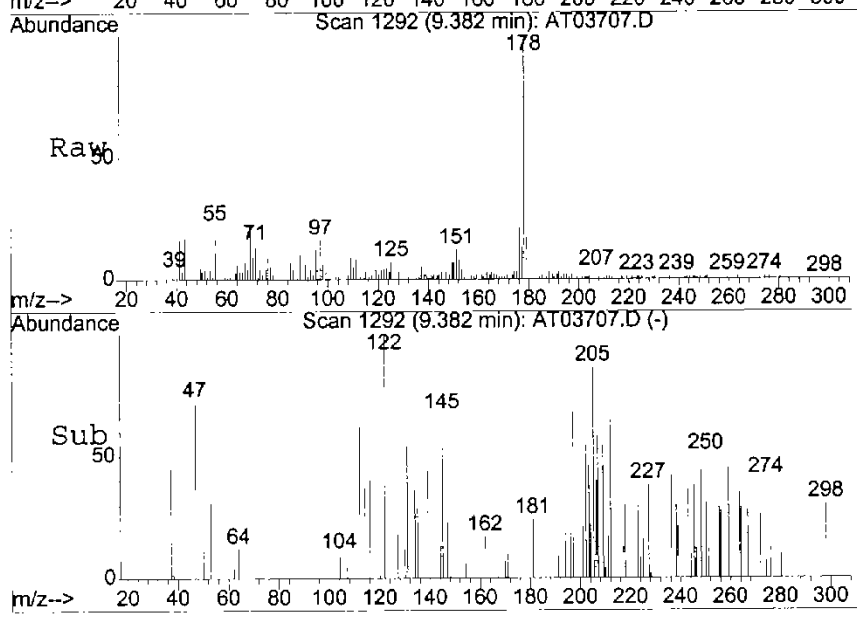


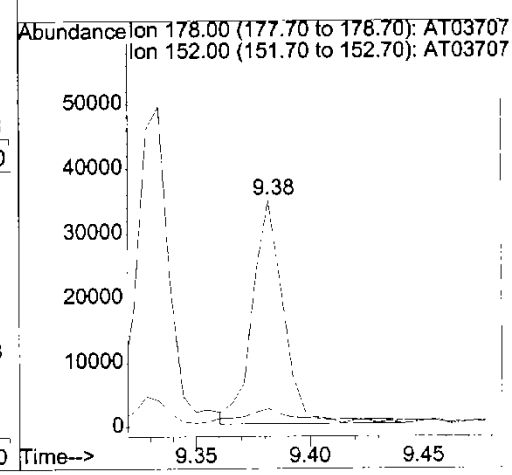


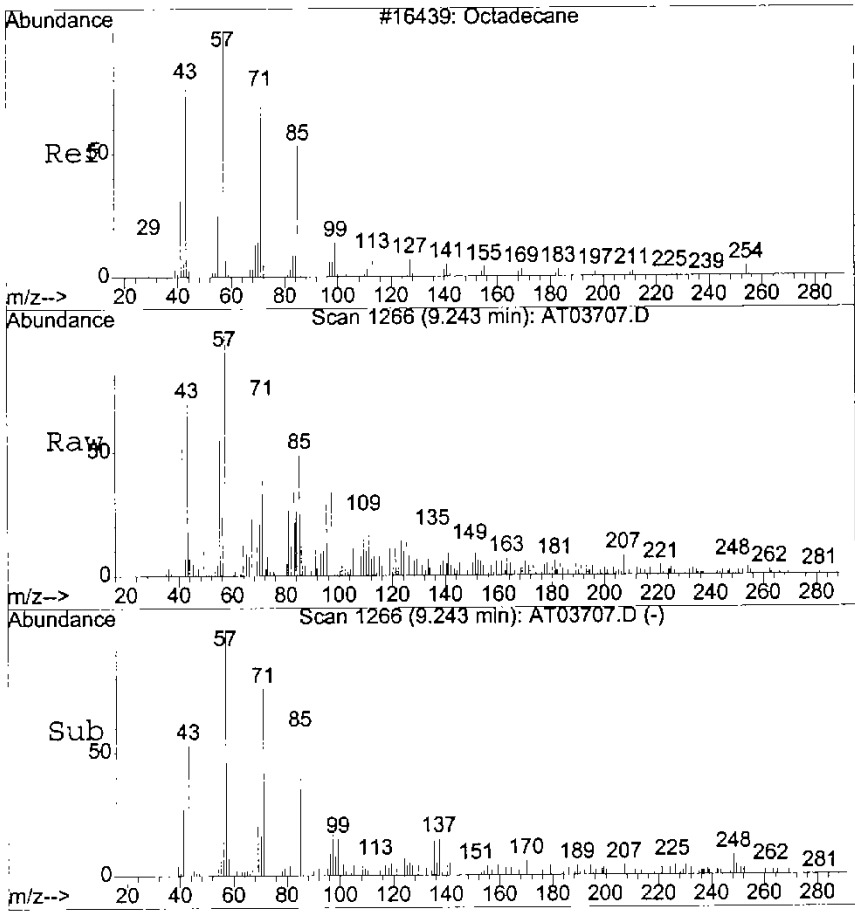
#72
Anthracene
Concen: 49.32 ug/L
RT: 9.38 min Scan# 1292
Delta R.T. 0.01 min
Lab File: AT03707.D
Acq: 1 Mar 2005 5:06 pm

Tgt Ion:178 Resp: 32744

Ion	Ratio	Lower	Upper
178	100		
152	5.0	0.0	37.1



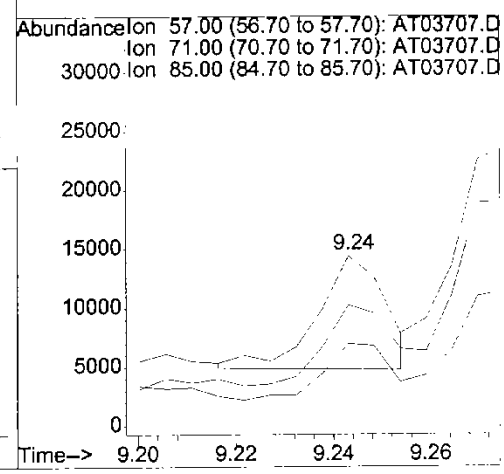


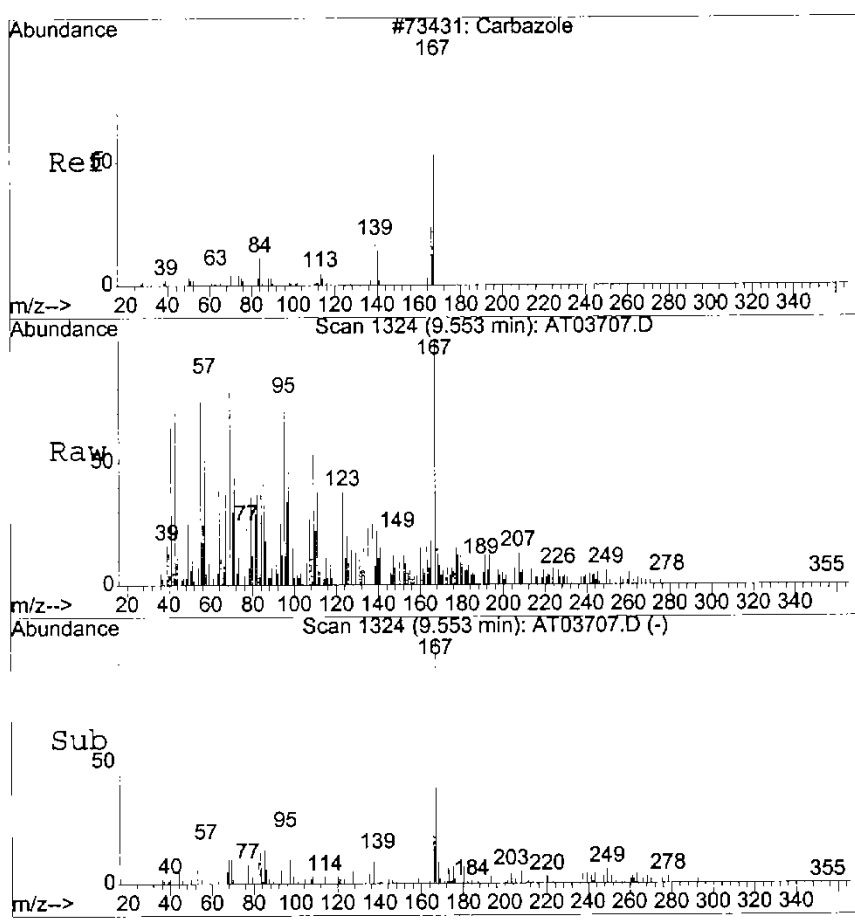


#73
Octadecane
Concen: 43.61 ul/L
RT: 9.24 min Scan# 1266
Delta R.T. 0.00 min
Lab File: AT03707.D
Acq: 1 Mar 2005 5:06 pm

Tgt Ion: 57 Resp: 9265

Ion	Ratio	Lower	Upper
57	100		
71	93.0	51.7	96.1
85	48.2	37.4	69.4

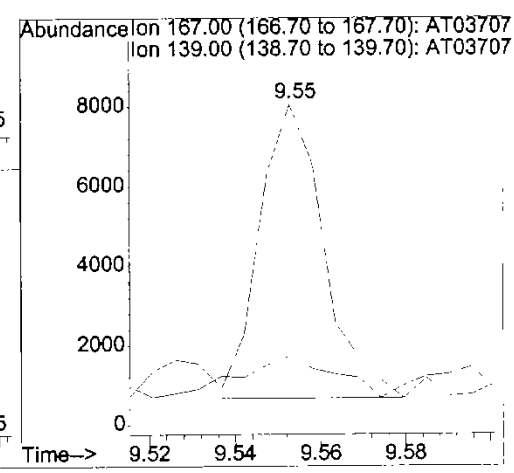


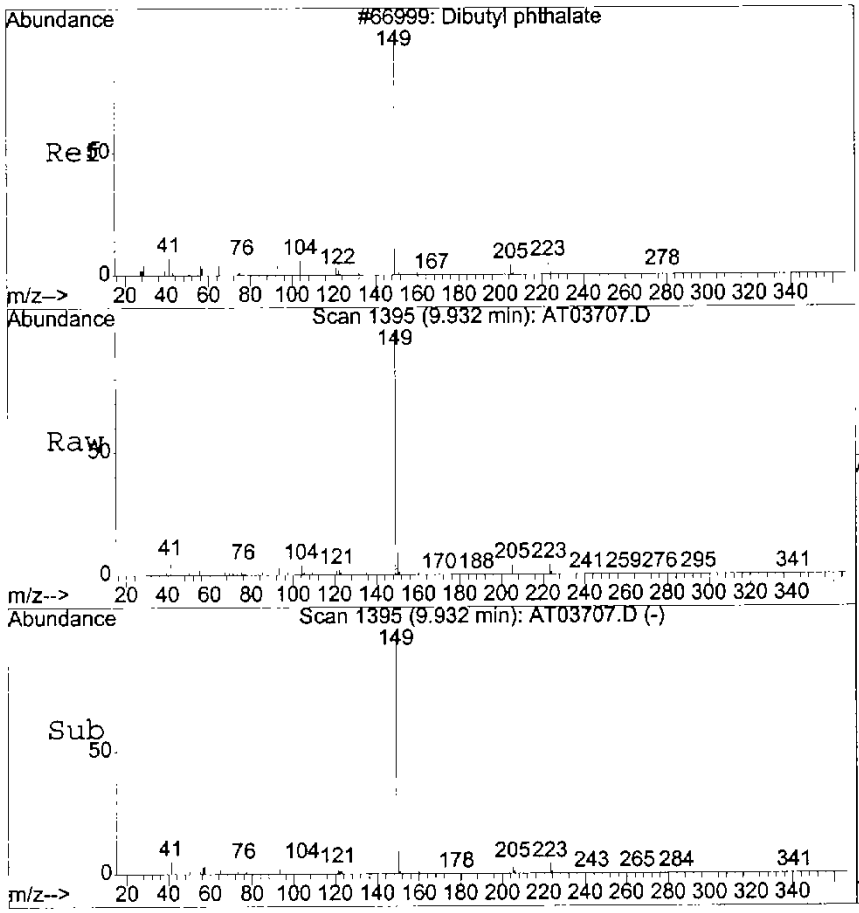


#74
Carbazole
Concen: 17.07 ug/L
RT: 9.55 min Scan# 1324
Delta R.T. 0.01 min
Lab File: AT03707.D
Acq: 1 Mar 2005 5:06 pm

Tgt Ion:167 Resp: 7671

Ion	Ratio	Lower	Upper
167	100		
139	8.6	0.0	42.1

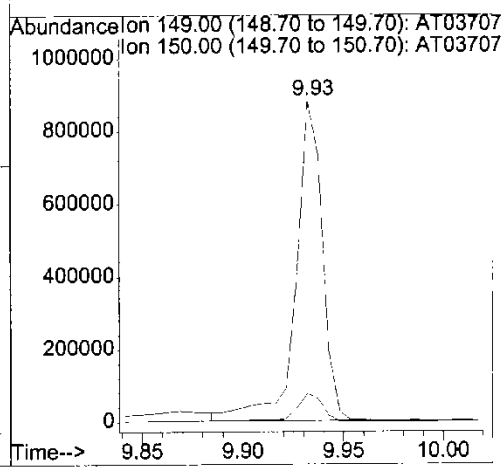


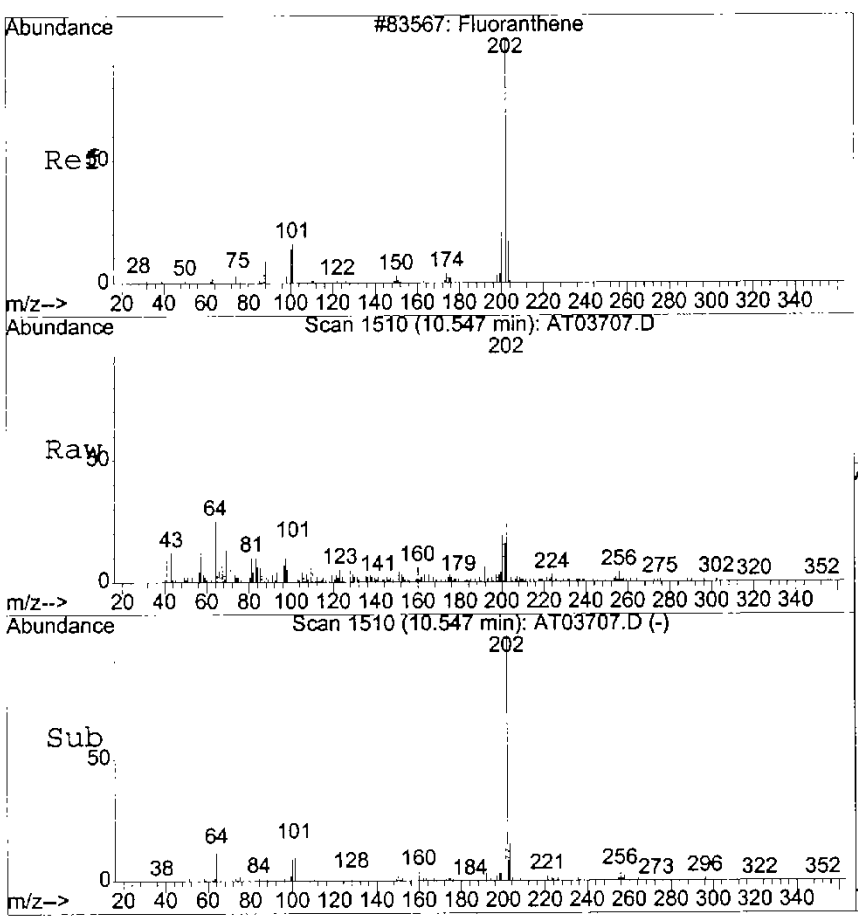


#75
Di-n-butylphthalate
Concen: 1036.63 ug/L
RT: 9.93 min Scan# 1395
Delta R.T. 0.00 min
Lab File: AT03707.D
Acq: 1 Mar 2005 5:06 pm

Tgt Ion:149 Resp: 815700

Ion	Ratio	Lower	Upper
149	100		
150	8.8	0.0	38.8

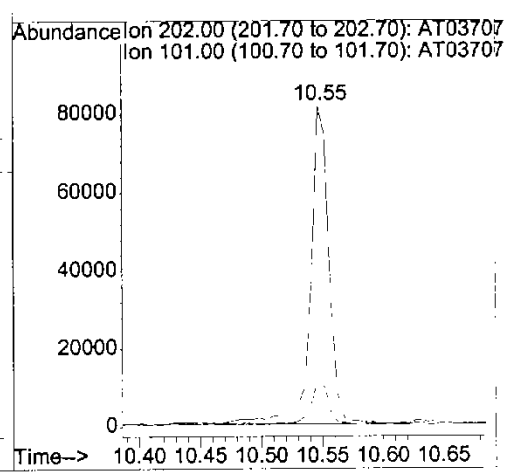


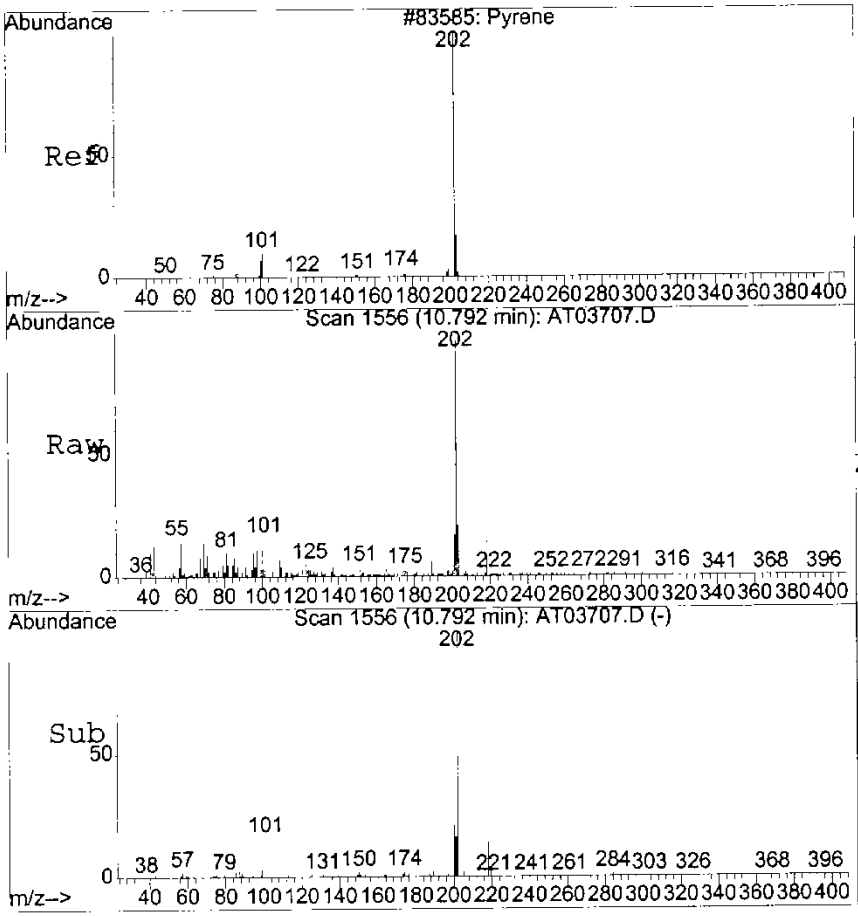


#76
Fluoranthene
Concen: 117.43 ug/L
RT: 10.55 min Scan# 1510
Delta R.T. 0.01 min
Lab File: AT03707.D
Acq: 1 Mar 2005 5:06 pm

Tgt Ion:202 Resp: 87734

Ion	Ratio	Lower	Upper
202	100		
101	14.7	0.0	43.1

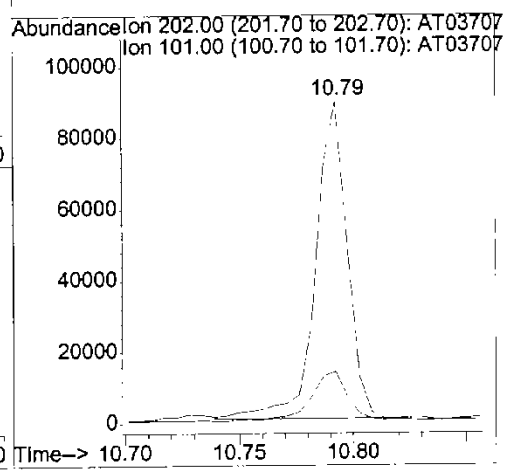


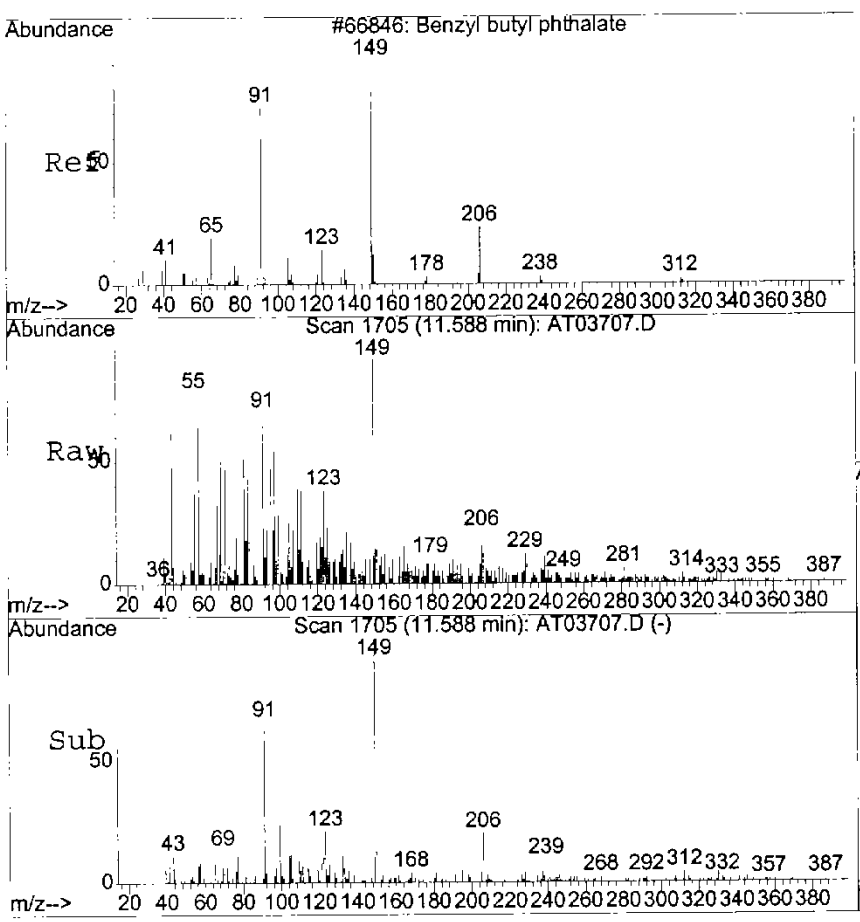


#77
Pyrene
Concen: 111.18 ug/L
RT: 10.79 min Scan# 1556
Delta R.T. 0.01 min
Lab File: AT03707.D
Acq: 1 Mar 2005 5:06 pm

Tgt Ion:202 Resp: 86160

Ion	Ratio	Lower	Upper
202	100		
101	15.5	0.0	44.9

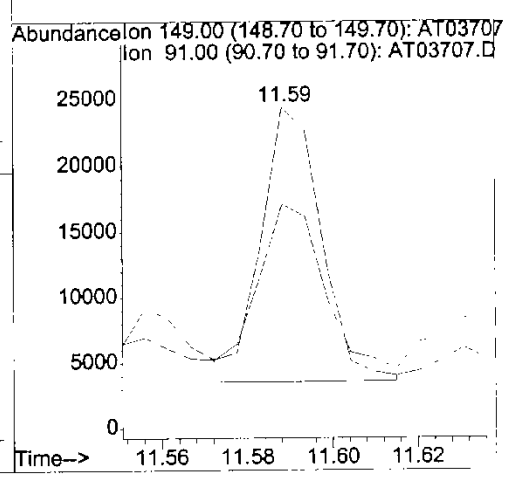


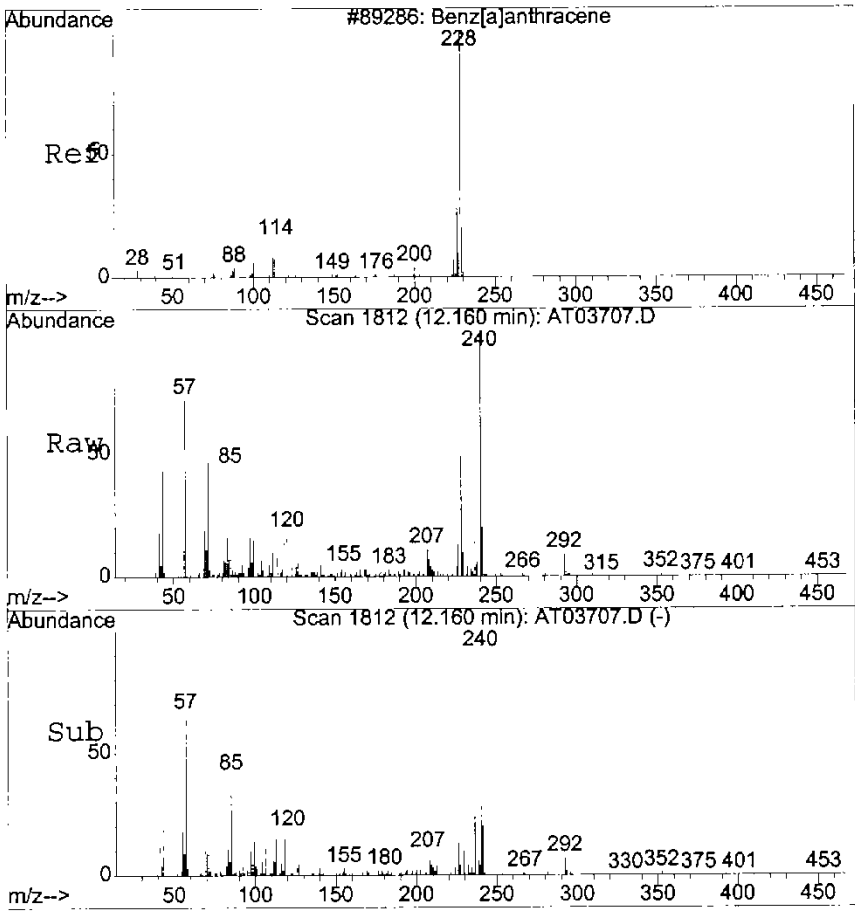


#81
Butylbenzylphthalate
Concen: 130.50 ug/L
RT: 11.59 min Scan# 1705
Delta R.T. 0.01 min
Lab File: AT03707.D
Acq: 1 Mar 2005 5:06 pm

Tgt Ion:149 Resp: 20335

Ion	Ratio	Lower	Upper
149	100		
91	62.0	30.6	90.6

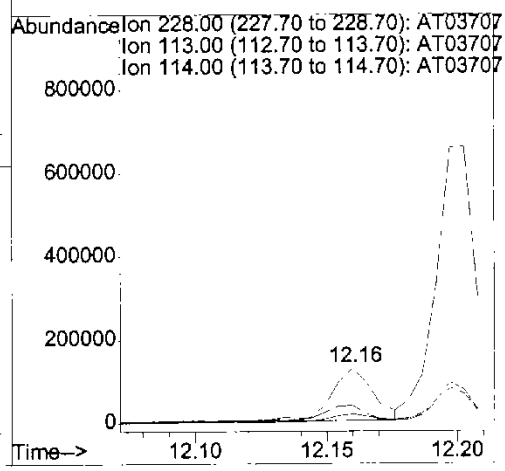


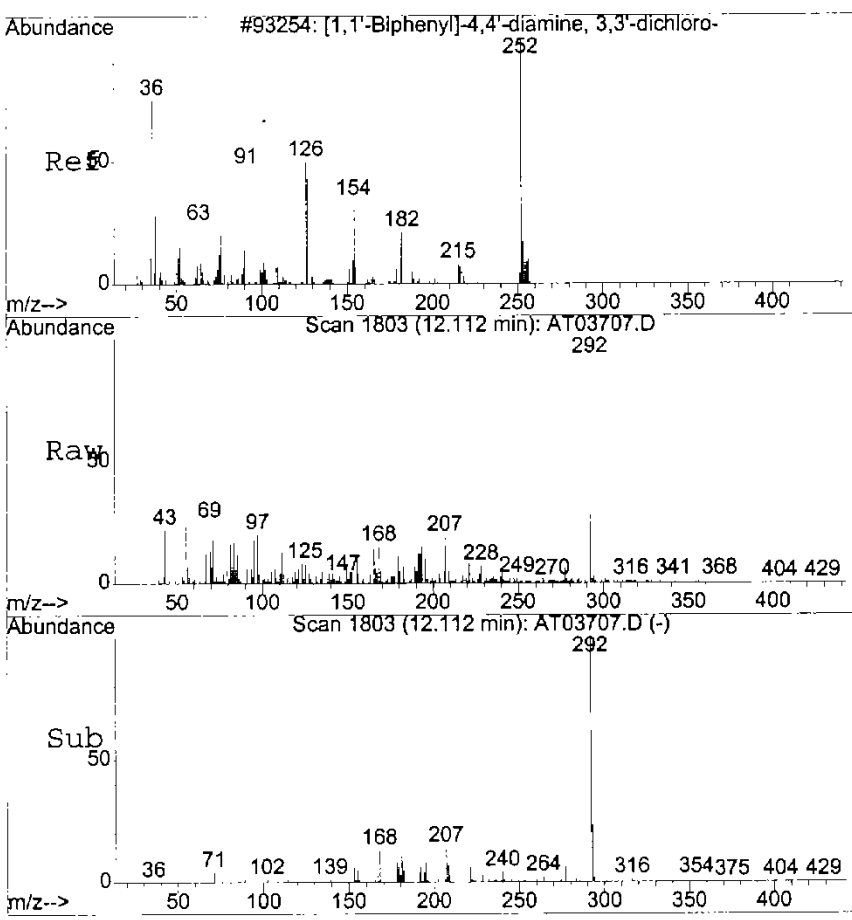


#82
Benzo(a)anthracene
Concen: 199.80 ug/L
RT: 12.16 min Scan# 1812
Delta R.T. 0.01 min
Lab File: AT03707.D
Acq: 1 Mar 2005 5:06 pm

Tgt Ion:228 Resp: 133708

Ion	Ratio	Lower	Upper
228	100		
113	31.3	0.0	41.1
114	15.3	0.0	42.7

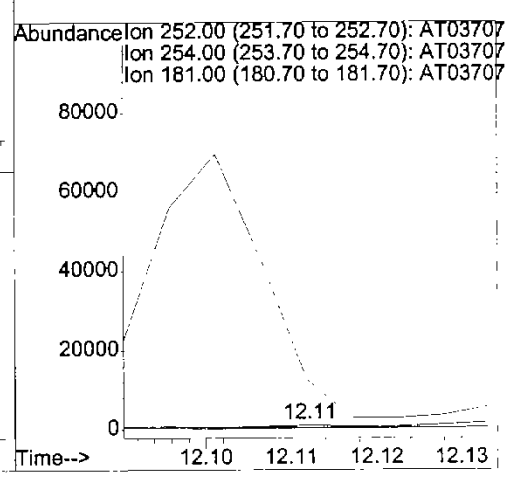


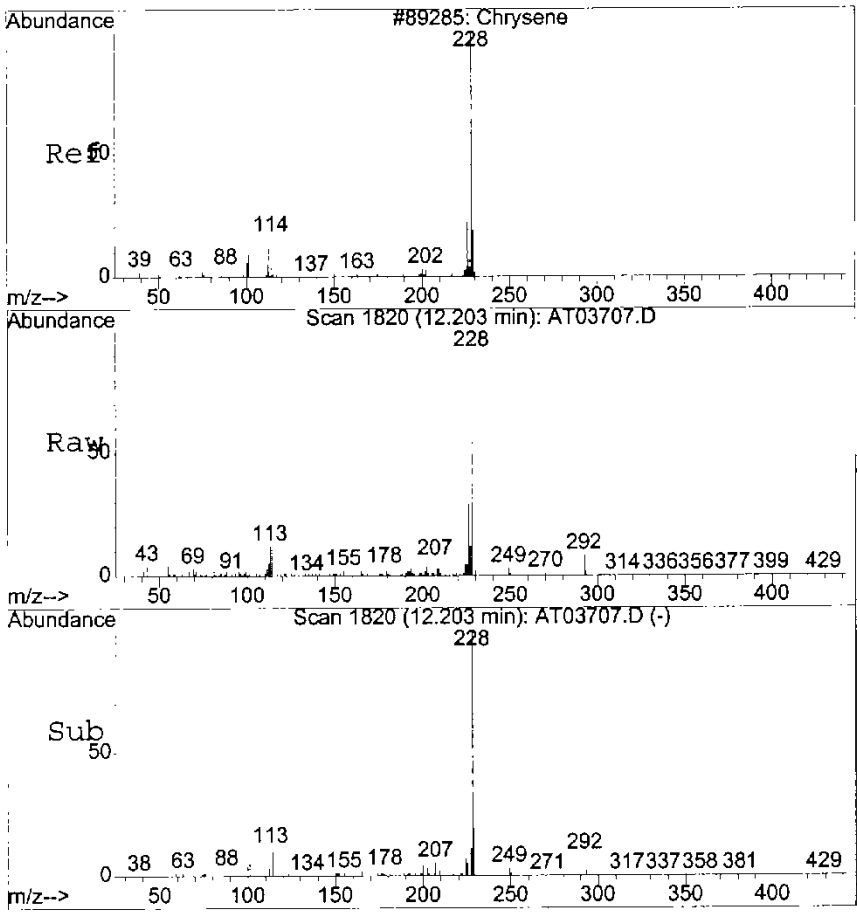


#83
3,3'-Dichlorobenzidine
Concen: 31.06 ug/L
RT: 12.11 min Scan# 1803
Delta R.T. -0.04 min
Lab File: AT03707.D
Acq: 1 Mar 2005 5:06 pm

Tgt Ion:252 Resp: 708

Ion	Ratio	Lower	Upper
252	100		
254	33.7	33.6	93.6
181	0.0	0.0	38.3

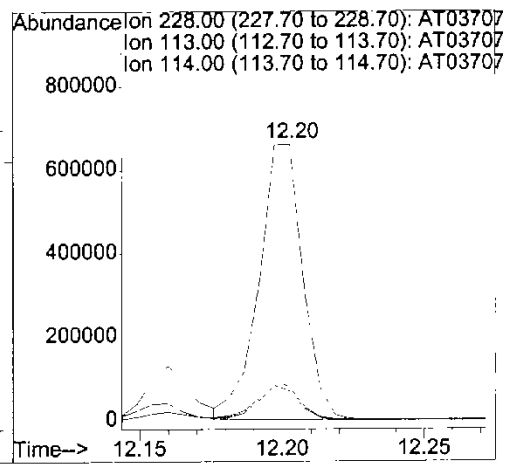


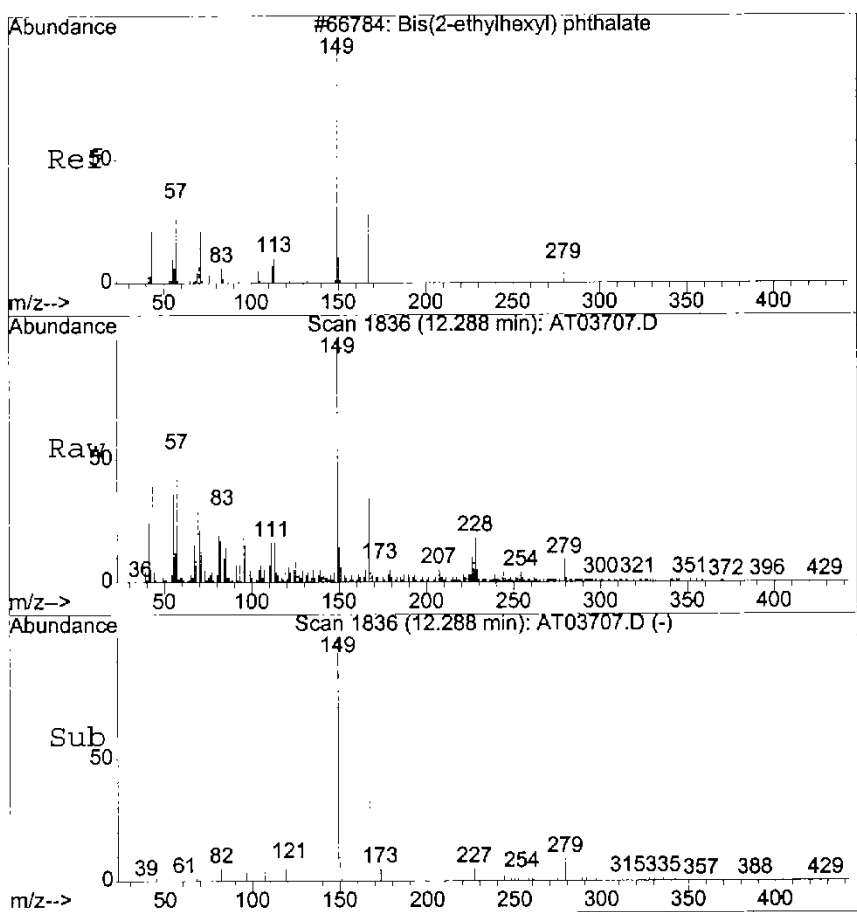


#84
Chrysene
Concen: 1010.30 ug/L
RT: 12.20 min Scan# 1820
Delta R.T. 0.01 min
Lab File: AT03707.D
Acq: 1 Mar 2005 5:06 pm

Tgt Ion:228 Resp: 704726

Ion	Ratio	Lower	Upper
228	100		
113	11.4	0.0	42.9
114	10.2	0.0	41.2

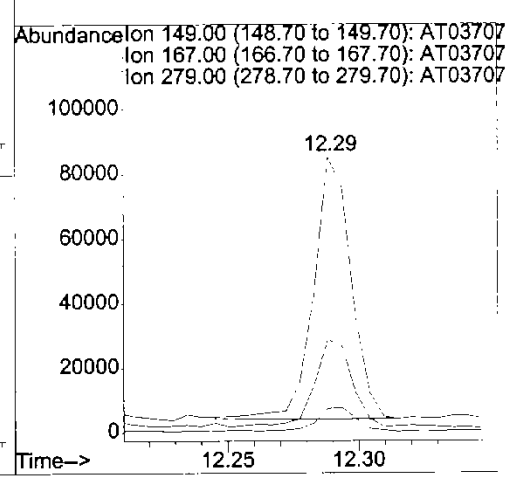


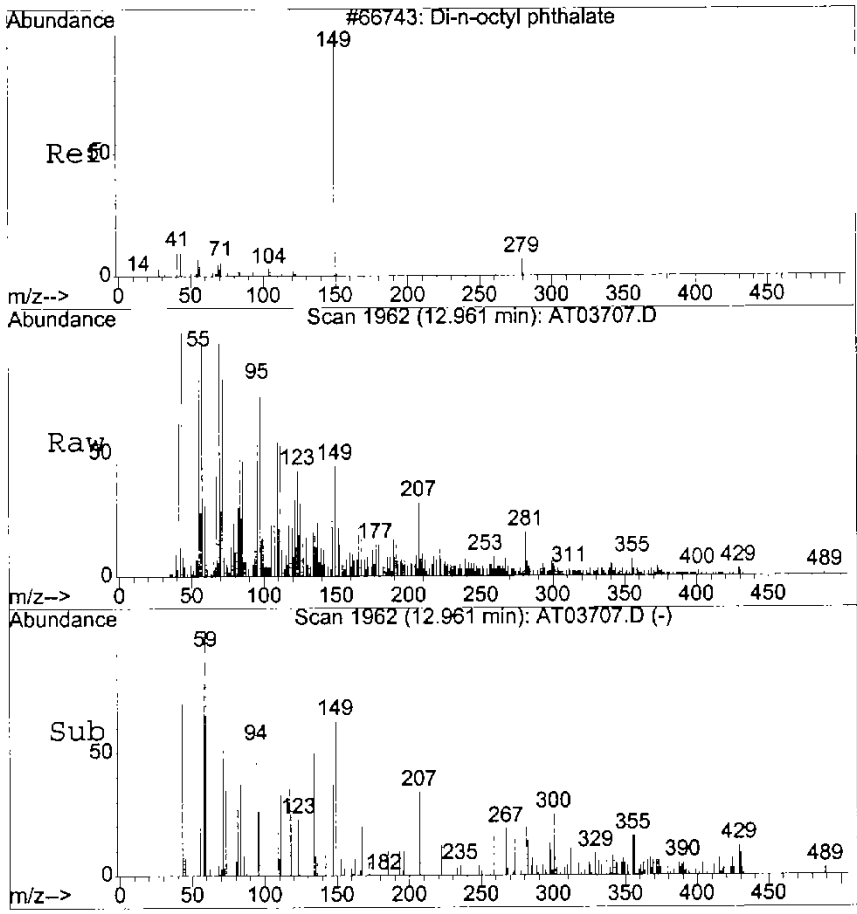


#85
bis(2-Ethylhexyl)phthalate
Concen: 186.38 ug/L
RT: 12.29 min Scan# 1836
Delta R.T. 0.00 min
Lab File: AT03707.D
Acq: 1 Mar 2005 5:06 pm

Tgt Ion:149 Resp: 80557

Ion	Ratio	Lower	Upper
149	100		
167	32.5	2.4	62.4
279	8.4	0.0	39.8

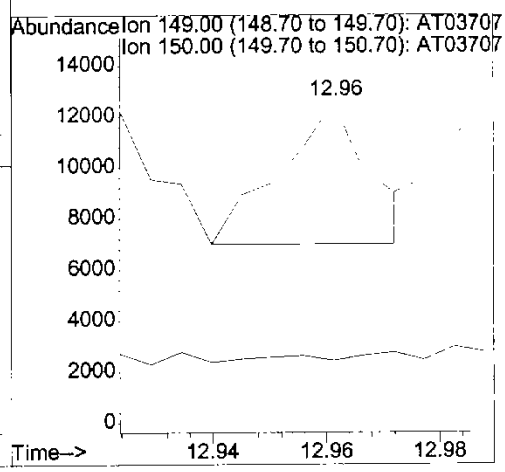


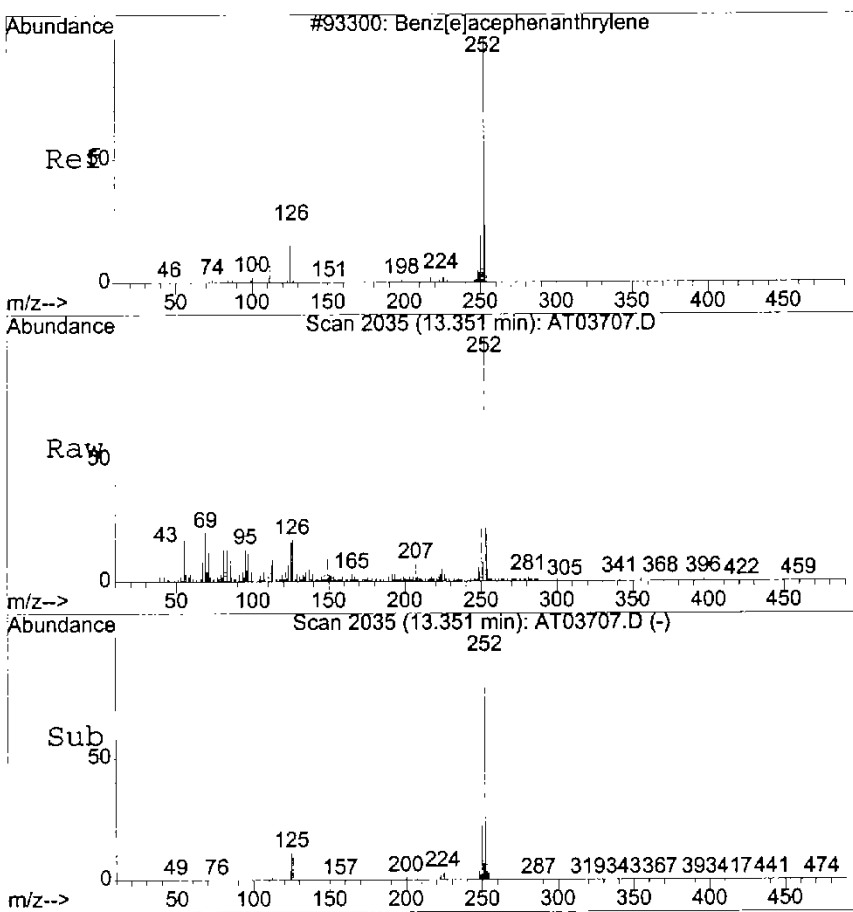


#87
Di-n-octylphthalate
Concen: 8.37 ug/L
RT: 12.96 min Scan# 1962
Delta R.T. 0.01 min
Lab File: AT03707.D
Acq: 1 Mar 2005 5:06 pm

Tgt Ion:149 Resp: 5956

Ion	Ratio	Lower	Upper
149	100		
150	0.0	0.0	39.5

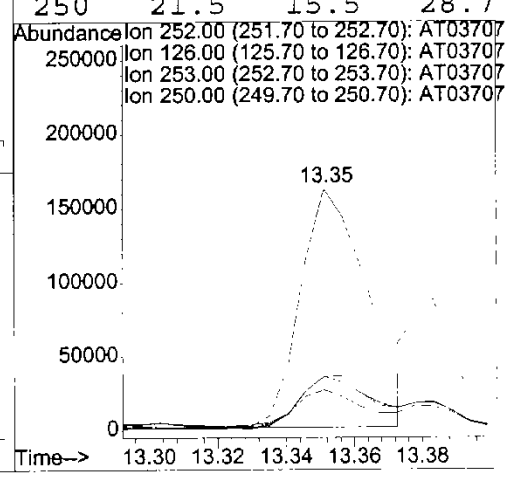


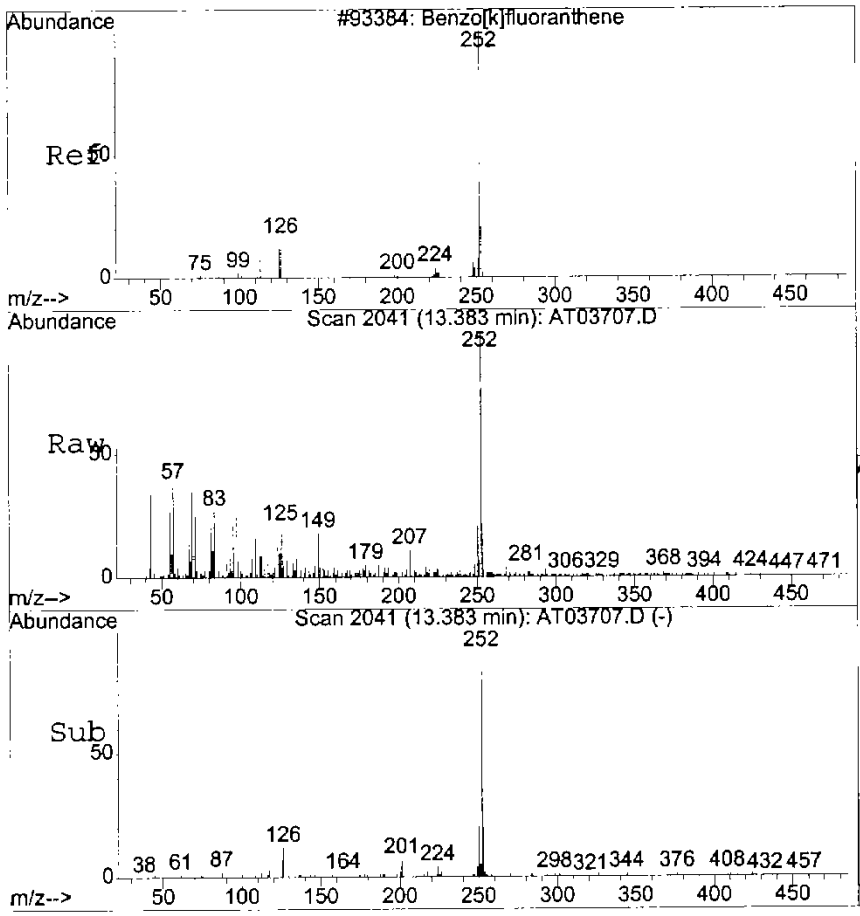


#88
Benzo(b)fluoranthene
Concen: 292.37 ul/l
RT: 13.35 min Scan# 2035
Delta R.T. 0.01 min
Lab File: AT03707.D
Acq: 1 Mar 2005 5:06 pm

Tgt Ion:252 Resp: 225426

Ion	Ratio	Lower	Upper
252	100		
126	15.1	11.5	21.5
253	20.8	15.2	28.2
250	21.5	15.5	28.7

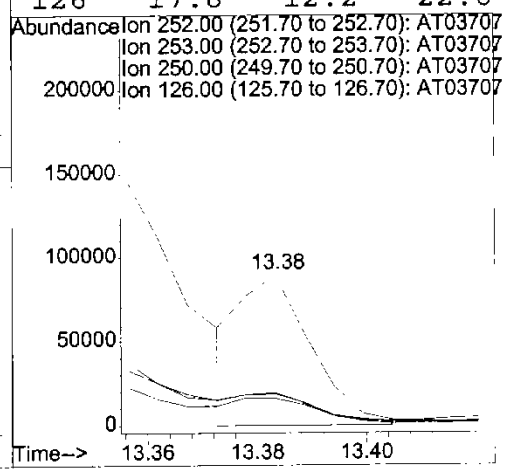


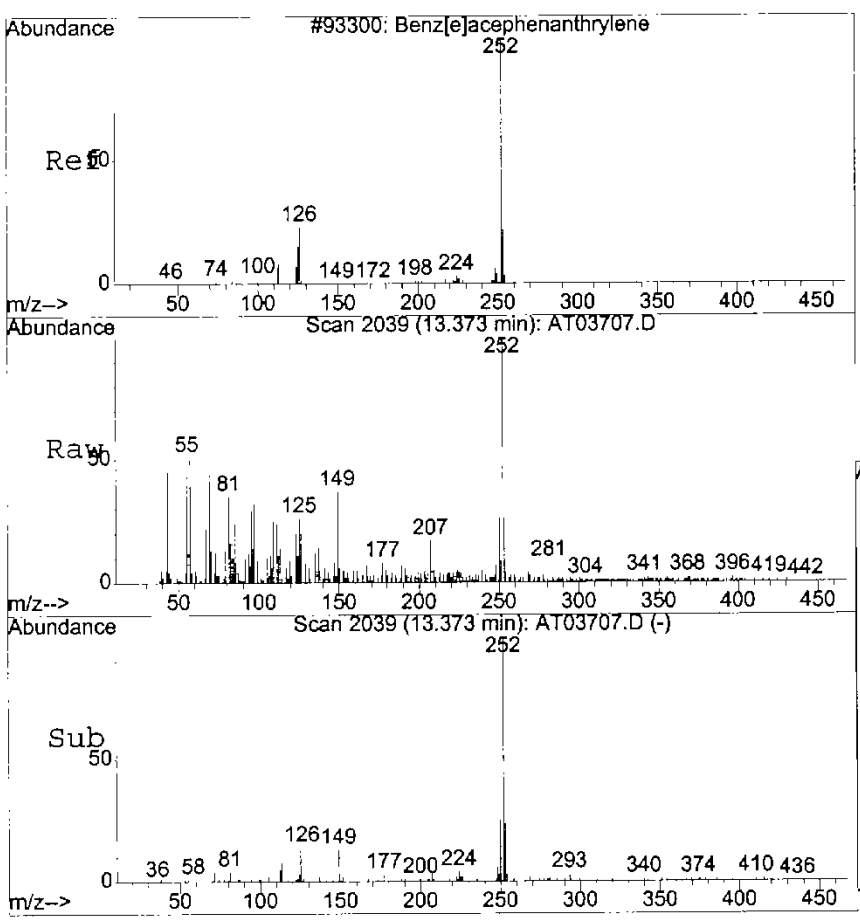


#89
benzo(k)fluoranthene
Concen: 115.50 ul/l m
RT: 13.38 min Scan# 2041
Delta R.T. 0.01 min
Lab File: AT03707.D
Acq: 1 Mar 2005 5:06 pm

Tgt Ion:252 Resp: 81429

Ion	Ratio	Lower	Upper
252	100		
253	21.7	15.3	28.5
250	20.9	15.5	28.9
126	17.8	12.2	22.6

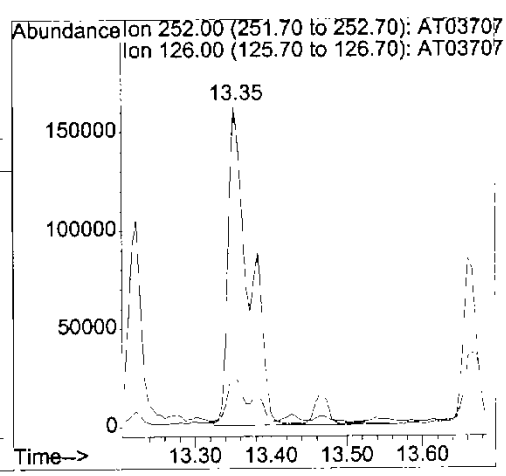


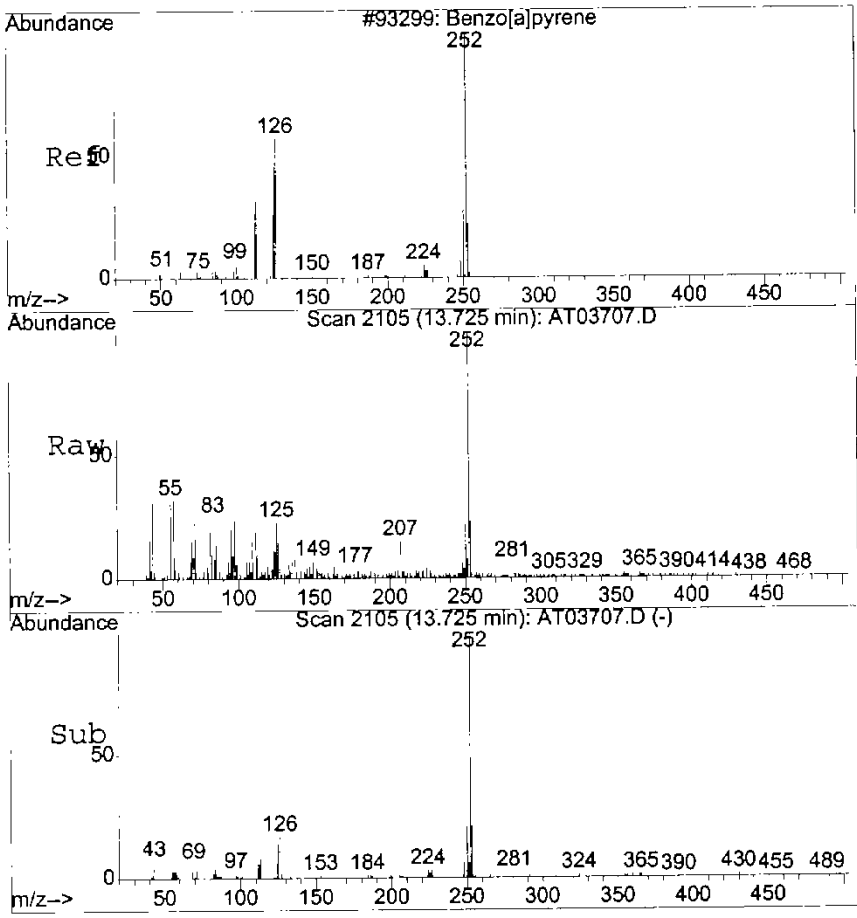


#90
Benzofluoranthenes
Concen: 467.97 ug/L
RT: 13.37 min Scan# 2039
Delta R.T. 0.01 min
Lab File: AT03707.D
Acq: 1 Mar 2005 5:06 pm

Tgt Ion:252 Resp: 334189

Ion	Ratio	Lower	Upper
252	100		
126	15.2	0.0	47.4

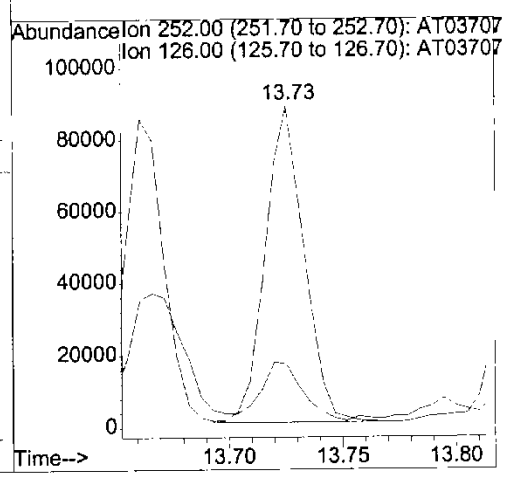


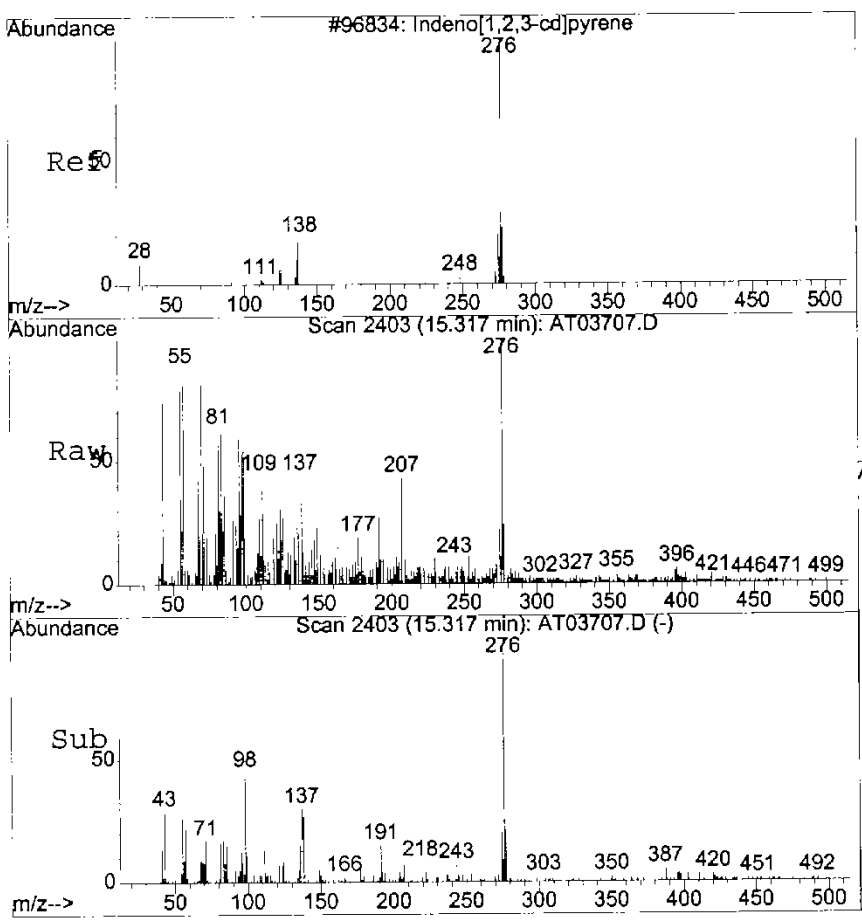


#91
Benzo(a)pyrene
Concen: 169.82 ug/L
RT: 13.72 min Scan# 2105
Delta R.T. 0.01 min
Lab File: AT03707.D
Acq: 1 Mar 2005 5:06 pm

Tgt Ion:252 Resp: 103977

Ion	Ratio	Lower	Upper
252	100		
126	15.6	0.0	45.3

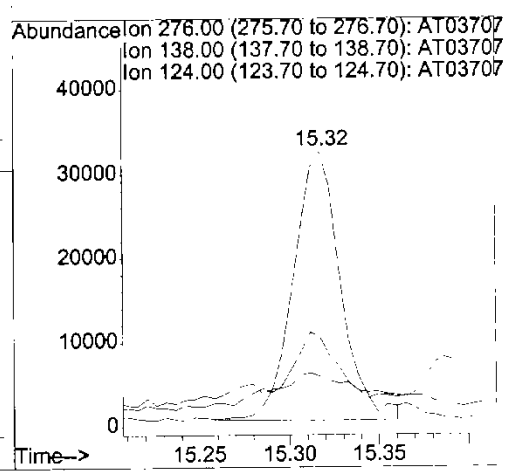


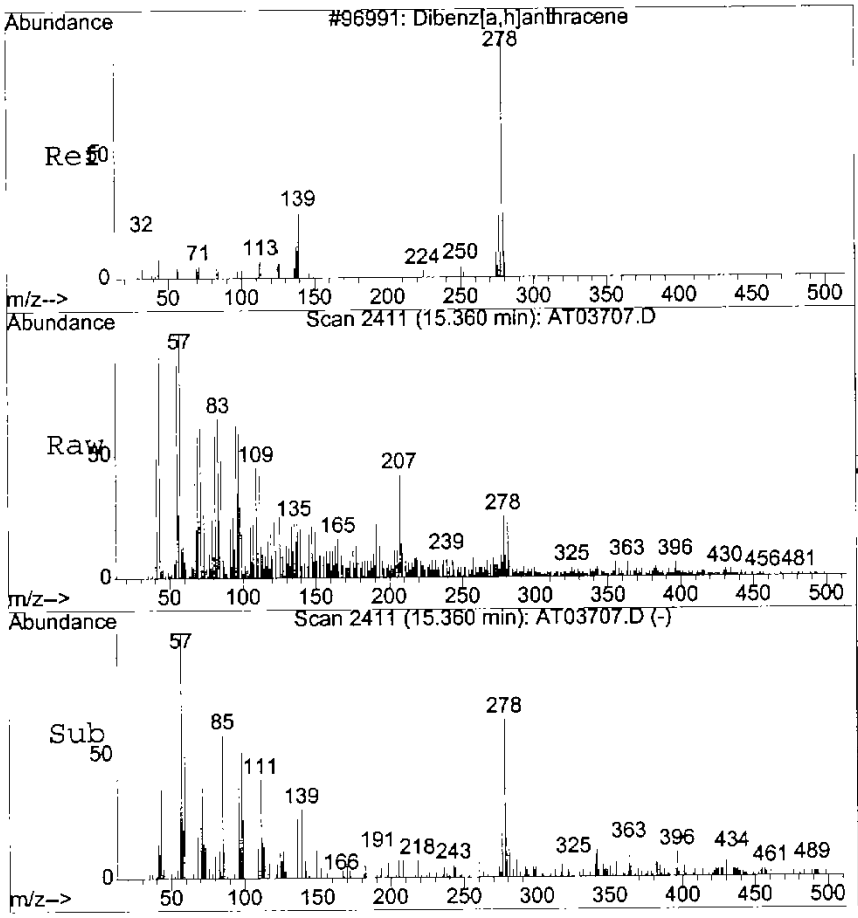


#92
Indeno(1,2,3-cd)pyrene
Concen: 104.90 ug/L
RT: 15.32 min Scan# 2403
Delta R.T. 0.02 min
Lab File: AT03707.D
Acq: 1 Mar 2005 5:06 pm

Tgt Ion:276 Resp: 58275

Ion	Ratio	Lower	Upper
276	100		
138	24.2	0.0	51.8
124	7.8	0.0	35.4

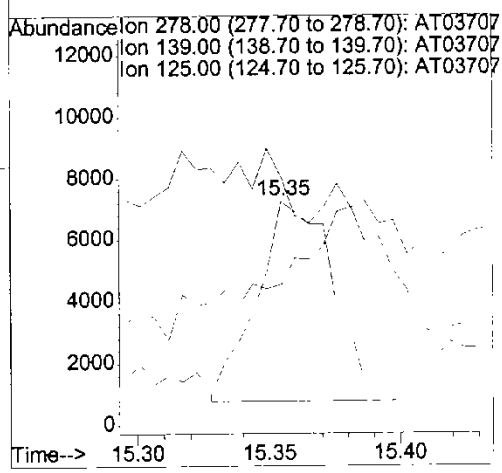


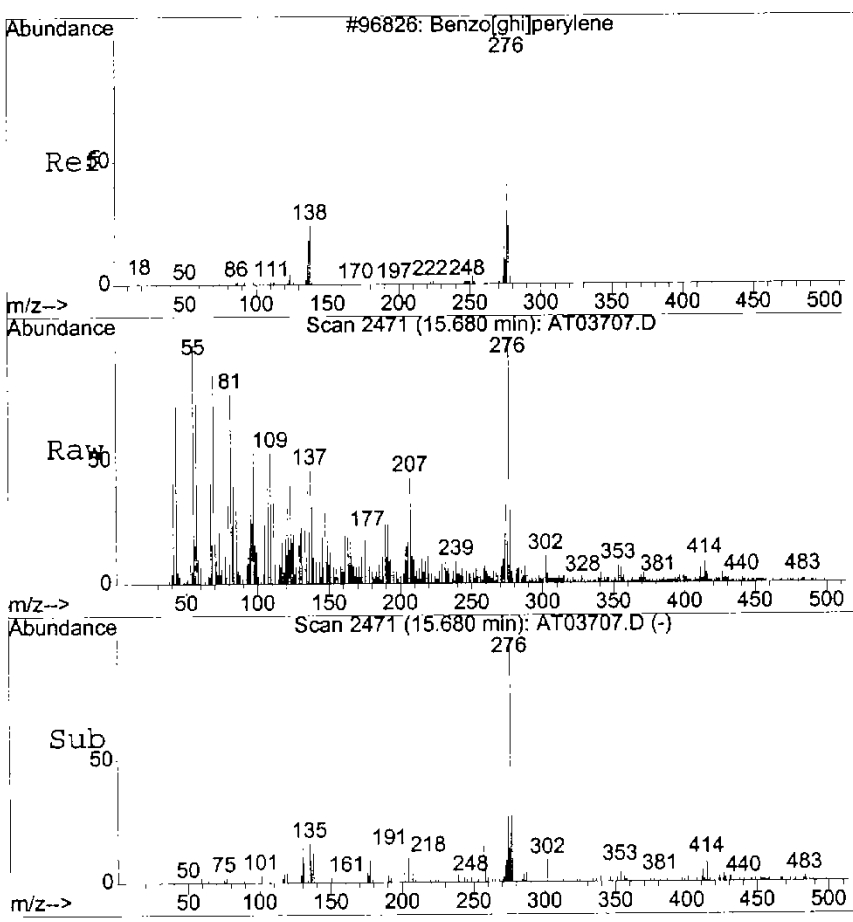


#93
Dibenz(a,h)anthracene
Concen: 30.63 ug/L
RT: 15.36 min Scan# 2411
Delta R.T. 0.01 min
Lab File: AT03707.D
Acq: 1 Mar 2005 5:06 pm

Tgt Ion:278 Resp: 12985

Ion	Ratio	Lower	Upper
278	100		
139	15.4	0.0	46.7
125	0.0	0.0	35.8

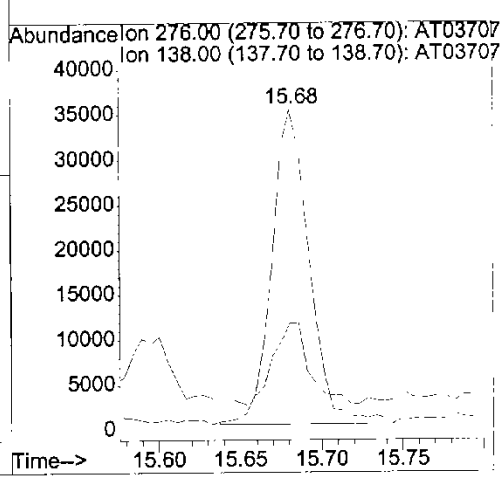




#94
Benzo(g,h,i)perylene
Concen: 81.70 ug/L
RT: 15.68 min Scan# 2471
Delta R.T. 0.02 min
Lab File: AT03707.D
Acq: 1 Mar 2005 5:06 pm

Tgt Ion:276 Resp: 55872

Ion	Ratio	Lower	Upper
276	100		
138	24.0	0.0	54.3



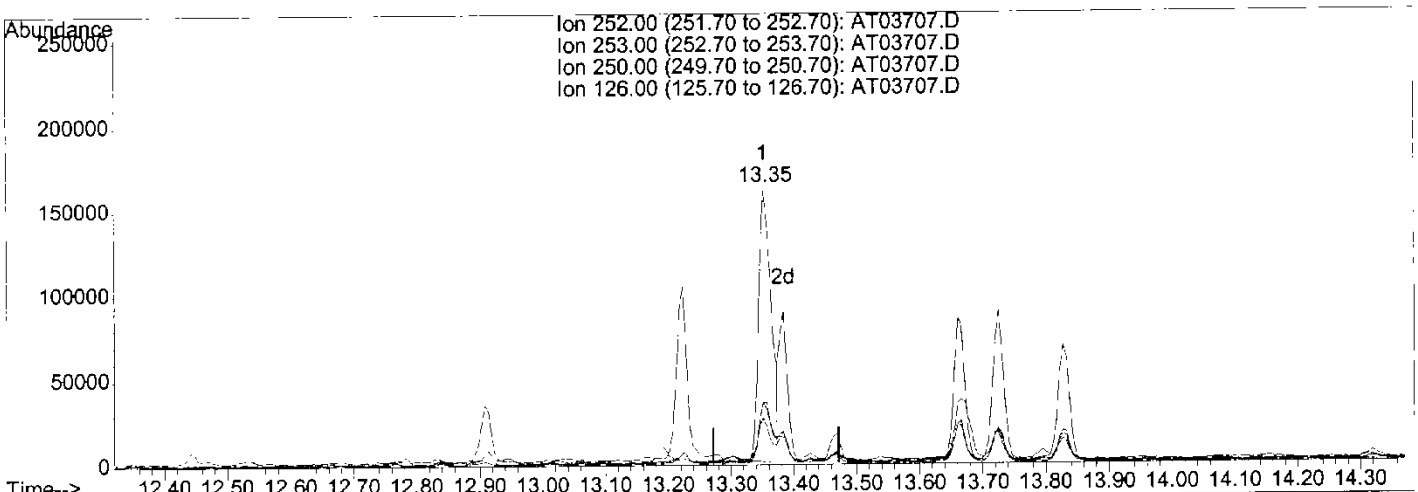
Quantitation Report (QedIt)

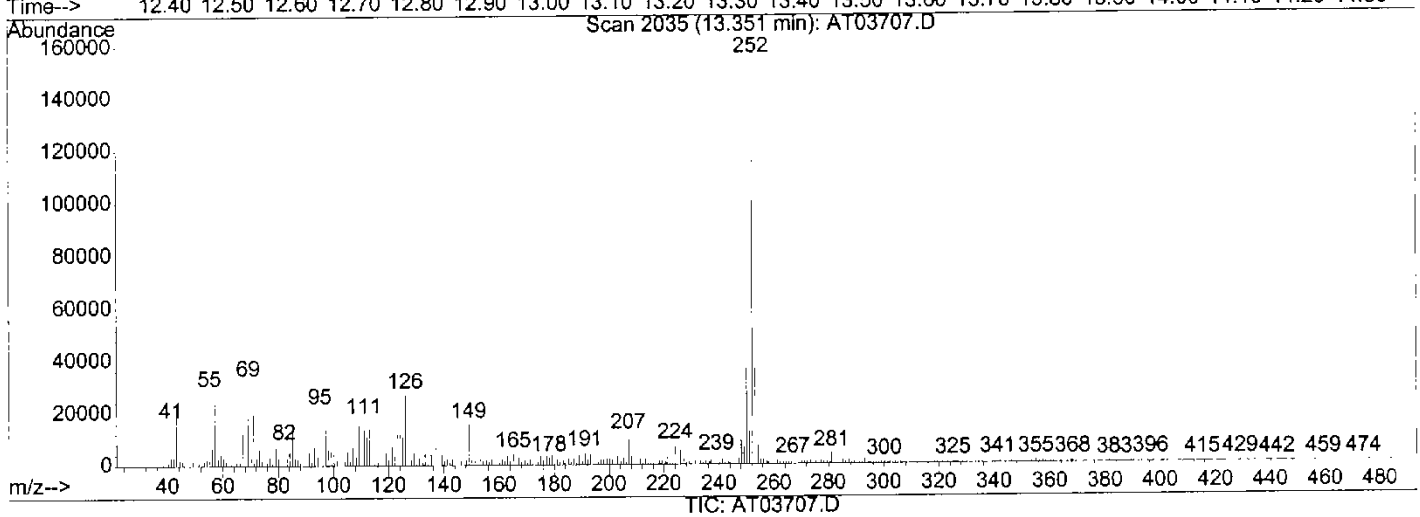
Data File : H:\DATA\030105_A\AT03707.D
Acq On : 1 Mar 2005 5:06 pm
Sample : 126377-7 &1 1:5 ss1348
Misc :
MS Integration Params: Rteint.p
Quant Time: Mar 2 6:28 2005

Vial: 21
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00

Quant Results File: temp.res

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Feb 28 14:16:48 2005
Response via : Multiple Level Calibration





(89) benzo(k)fluoranthene (T)

13.35min 320.33ul/l

response 225827

Ion	Exp%	Act%
252.00	100	100
253.00	21.90	20.85
250.00	22.20	21.54
126.00	17.40	15.06

3/2/05

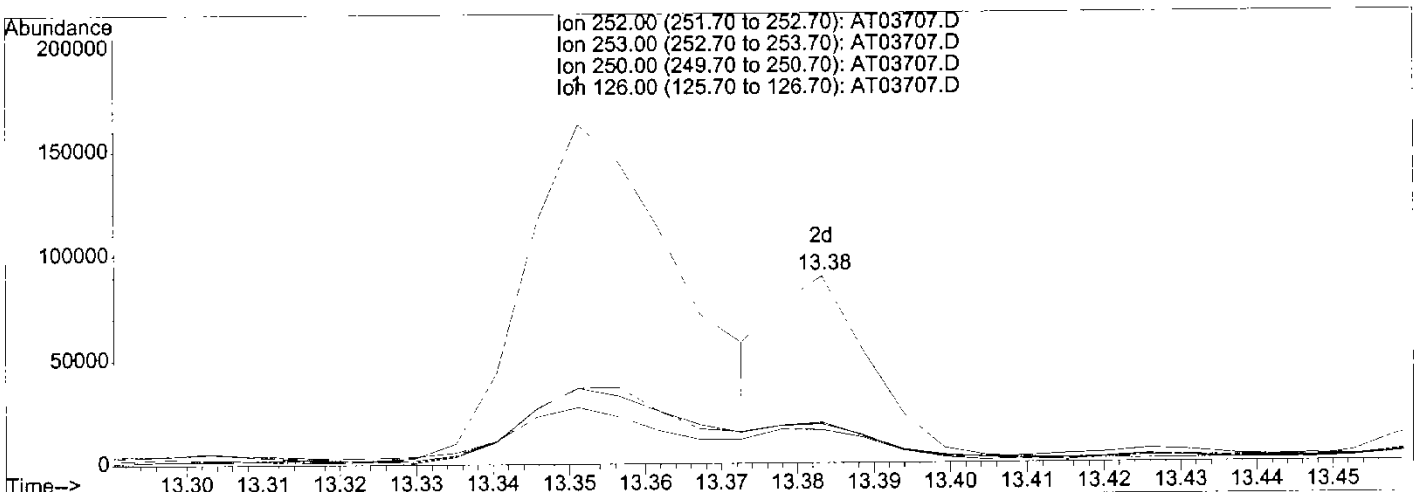
Quantitation Report (Qedit)

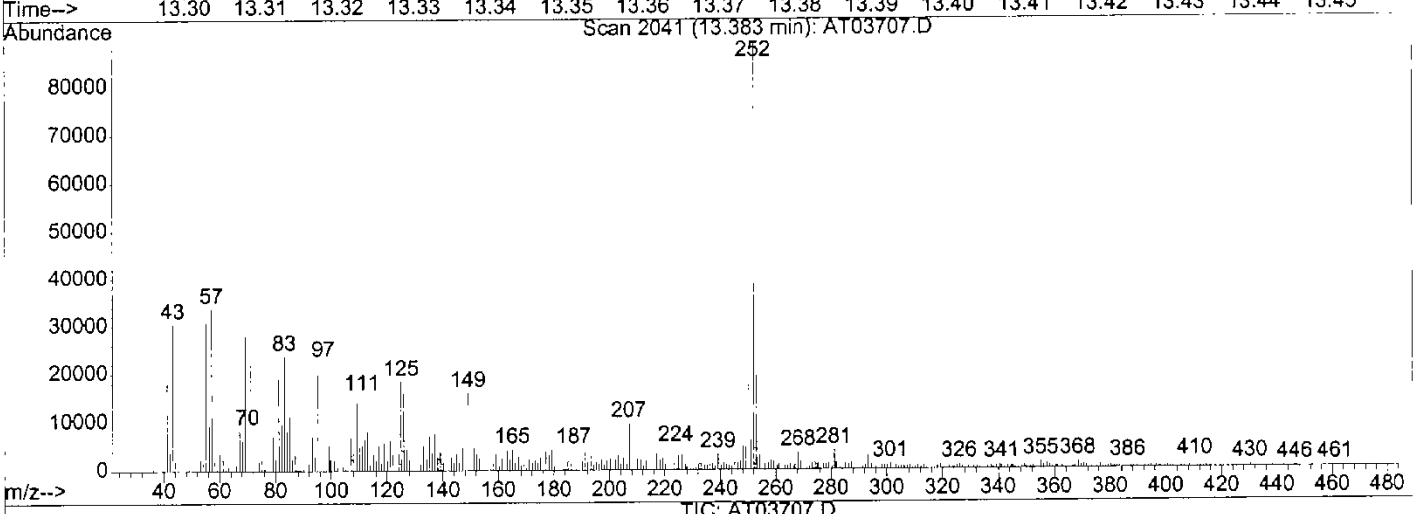
Data File : H:\DATA\030105_A\AT03707.D
Acq On : 1 Mar 2005 5:06 pm
Sample : 126377-7 &1 1:5 ss1348
Misc :
MS Integration Params: Rteint.p
Quant Time: Mar 2 6:34 2005

Vial: 21
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00

Quant Results File: temp.res

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Feb 28 14:16:48 2005
Response via : Multiple Level Calibration





(89) benzo(k)fluoranthene (T)

13.38min 115.50ul/l m

response 81429

Ion	Exp%	Act%
252.00	100	100
253.00	21.90	21.73
250.00	22.20	20.91
126.00	17.40	17.84

Quantitation Report (QT Reviewed)

Data File : H:\DATA\022505_A\AT03682.D
Acq On : 25 Feb 2005 6:10 pm
Sample : 126377-8 &1
Misc :
MS Integration Params: Rteint.p
Quant Time: Feb 28 10:48:04 2005

Vial: 23
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: 8270_022505.RES

Quant Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Fri Feb 25 12:17:02 2005
Response via : Initial Calibration
DataAcq Meth : 8270EXT

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4 (I)	5.56	152	231879	1000.000 ug/L	0.00
23) Naphthalene - d8 (I)	6.67	136	895594	1000.000 ug/L	0.00
39) Acenaphthene - d10 (I)	8.13	162	478815	1000.000 ug/L	0.00
63) Phenanthrene - d10 (I)	9.45	188	873248	1000.000 ug/L	0.00
80) Chrysene - d12 (I)	12.35	240	922986	1000.000 ul/l	0.02
86) Perylene - d12 (I)	14.02	264	890698	1000.000 ug/L	0.03
System Monitoring Compounds					
4) 2 - Fluorophenol (S)	4.29	112	77866	401.06 ug/L	-0.03
8) Phenol - d5 (S)	5.26	99	124322	568.92 ug/L	0.00
24) Nitrobenzene - d5 (S)	6.05	82	55449	301.96 ug/L	-0.01
44) 2 - Fluorobiphenyl (S)	7.58	172	200189	387.49 ug/L	0.00
66) 2,4,6 - Tribromophenol (S)	8.81	330	64567	758.91 ug/L	0.00
79) p - Terphenyl - d14 (S)	11.16	244	370718	701.18 ug/L	0.00
Target Compounds					Qvalue
5) Cyclohexanone	4.56	55	2221	14.601 ul/L	77
6) Benzaldehyde	5.17	105	127725	727.512 ul/L	98
9) Phenol	5.27	94	15684	67.314 ug/L	75
12) Decane	5.42	57	7593	32.189 ul/L	94
14) 1,4-Dichlorobenzene	5.57	146	1692	6.025 ug/L	81
15) Benzyl alcohol	5.71	79	24033	187.471 ug/L	99
16) 1,2-Dichlorobenzene	5.71	146	2064	7.330 ug/L	63
17) 2-Methylphenol	5.81	108	2687	15.424 ug/L	83
19) 3-&4-Methylphenol	5.95	108	28005	169.101 ug/L	87
26) Isophorone	6.29	82	3096	8.382 ug/L	97
27) 2-Nitrophenol	6.30	139	3864	37.788 ug/L	76
30) Benzoic Acid	6.48	105	83229	1174.564 ug/L	95
32) 1,2,4-Trichlorobenzene	6.62	180	1899	8.289 ug/L	86
33) Naphthalene	6.68	128	67853	98.165 ug/L	100
37) 2-Methylnaphthalene	7.27	141	19795	54.051 ug/L	71
38) 1-Methylnaphthalene	7.35	141	12730	33.362 ul/l	92
46) Biphenyl	7.66	154	14067	26.207 ul/L	96
48) Dimethylphthalate	7.92	163	9445	21.006 ug/L	29
49) Acenaphthylene	8.01	152	23706	35.899 ug/L	93
51) 3-Nitroaniline	8.12	138	430	Below Cal #	38
52) Acenaphthene	8.16	153	91764	211.184 ug/L	88
53) 2,4-Dinitrophenol	8.19	184	2382	~~390.753 ug/L~~	51
55) Dibenzofuran	8.30	168	47112	80.932 ug/L	95
56) 2,4-Dinitrotoluene	8.34	165	1550	41.827 ug/L	83
59) Diethylphthalate	8.51	149	55258	116.198 ug/L	99
60) Fluorene	8.59	166	81290	181.455 ug/L	92

(#) = qualifier out of range (m) = manual integration

00706

Quantitation Report (QT Reviewed)

Data File : H:\DATA\022505_A\AT03682.D
Acq On : 25 Feb 2005 6:10 pm
Sample : 126377-8 &1
Misc :
MS Integration Params: Rteint.p
Quant Time: Feb 28 10:48:04 2005

Vial: 23
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: 8270_022505.RES

Quant Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Fri Feb 25 12:17:02 2005
Response via : Initial Calibration
DataAcq Meth : 8270EXT

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
62)	4-Nitroaniline	8.85	138	812	~~12.680 ug/L~~	82
70)	Pentachlorophenol	9.28	266	1978	25.108 ug/L	50
71)	Phenanthrene	9.48	178	631430	886.902 ug/L	97
72)	Anthracene	9.53	178	140720	217.928 ug/L	95
73)	Octadecane	9.38	57	96412	466.640 ul/L	82
74)	Carbazole	9.70	167	58305	133.381 ug/L	92
75)	Di-n-butylphthalate	10.08	149	3068011	4008.923 ug/L E	100
76)	Fluoranthene	10.71	202	837775	1152.946 ug/L	100
77)	Pyrene	10.95	202	839798	1114.257 ug/L	98
78)	Benzidine	10.67	184	6406	61.990 ul/l	59
81)	Butylbenzylphthalate	11.75	149	50751	220.541 ug/L	99
82)	Benzo(a)anthracene	12.33	228	399294	595.522 ug/L	89
84)	Chrysene	12.37	228	478768	685.062 ug/L	95
85)	bis(2-Ethylhexyl)phthalate	12.45	149	325551	751.770 ug/L	99
87)	Di-n-octylphthalate	13.20	149	65815	~~95.355 ug/L~~	87
88)	Benzo(b)fluoranthene	13.55	252	653637	849.074 ul/l	98
89)	benzo(k)fluoranthene	13.58	252	212594m	310.975 ul/l	
90)	Benzofluoranthenes	13.57	252	939417	1356.570 ug/L	92
91)	Benzo(a)pyrene	13.95	252	423572	713.407 ug/L	96
92)	Indeno(1,2,3-cd)pyrene	15.61	276	274671	435.282 ug/L	78
93)	Dibenz(a,h)anthracene	15.71	278	74476	~~119.024 ug/L~~	67
94)	Benzo(g,h,i)perylene	15.96	276	286610	432.211 ug/L	99

3/1/05

(#) = qualifier out of range (m) = manual integration

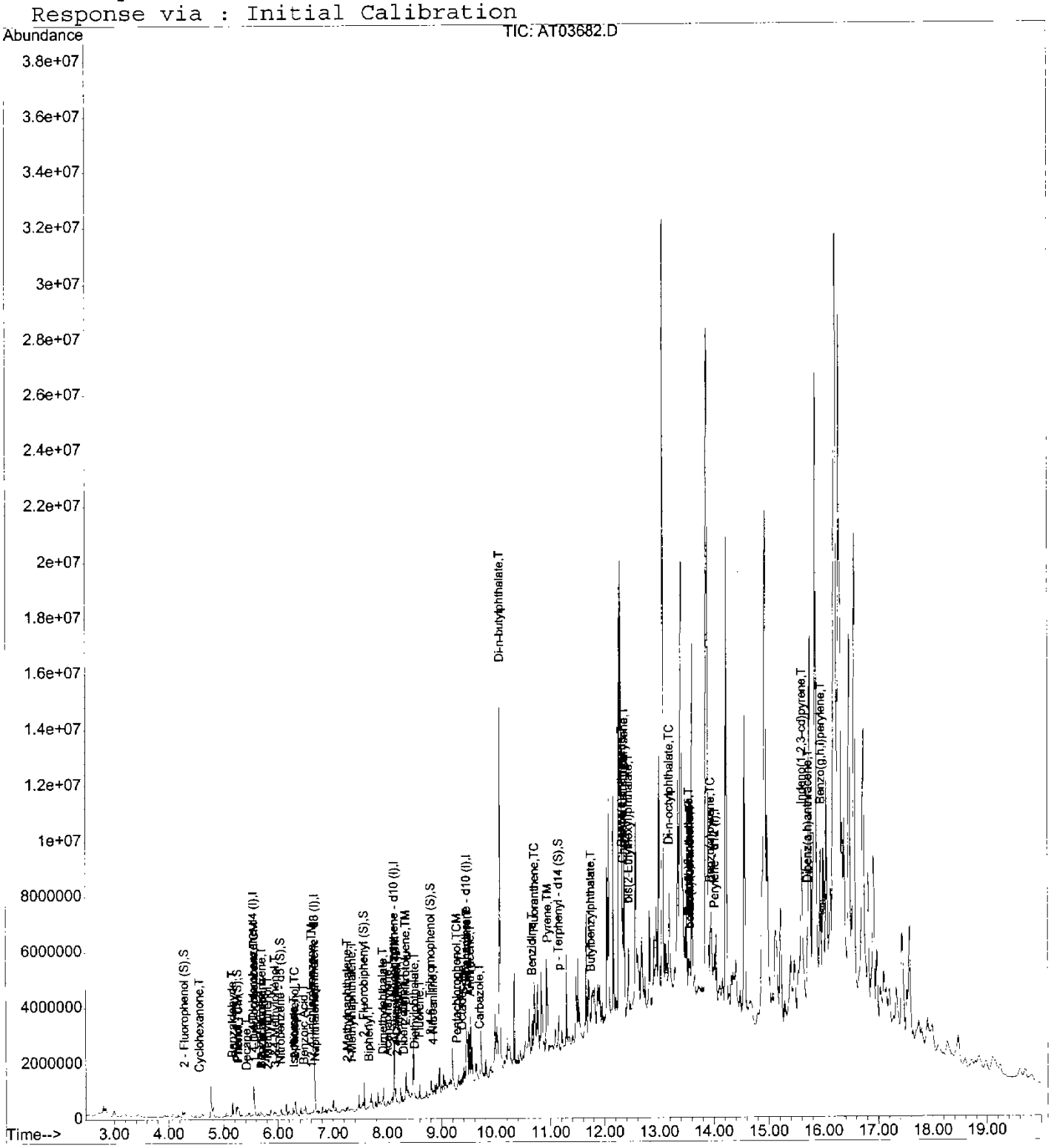
00707

Quantitation Report (QT Reviewed)

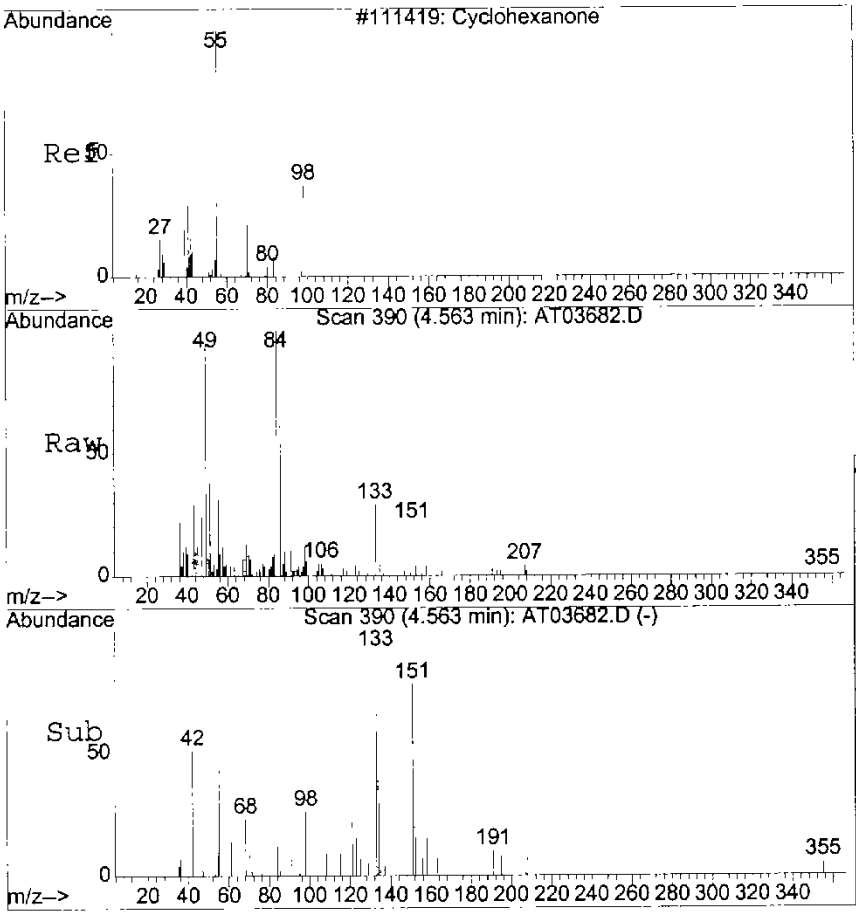
Data File : H:\DATA\022505_A\AT03682.D
Acq On : 25 Feb 2005 6:10 pm
Sample : 126377-8 &1
Misc :
MS Integration Params: Rteint.p
Quant Time: Feb 28 10:48 2005

Vial: 23
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: 8270_022505.

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Fri Feb 25 12:17:02 2005
Response via : Initial Calibration



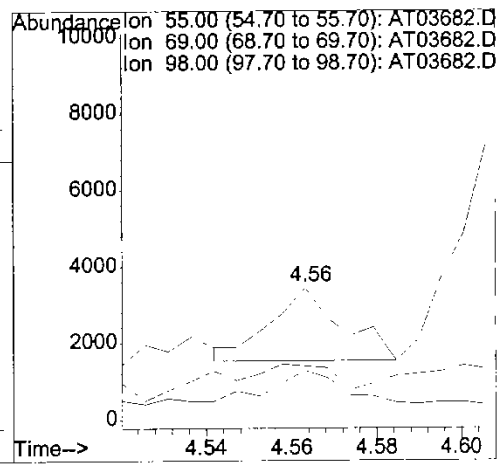
00708

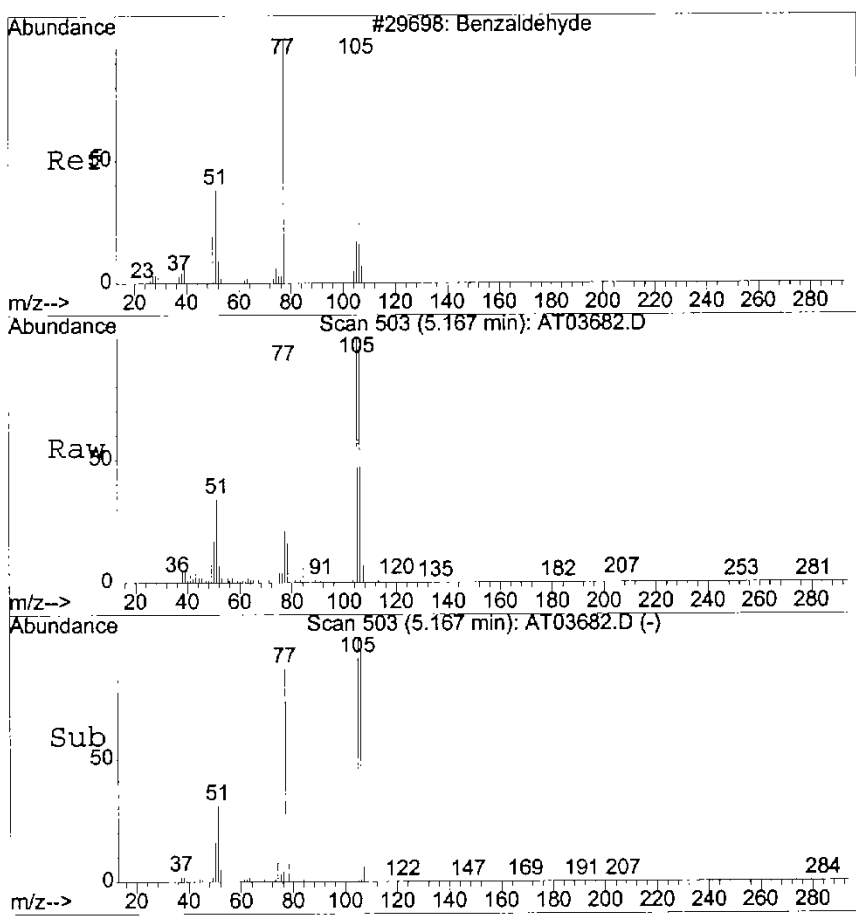


#5
Cyclohexanone
Concen: 14.60 ul/L
RT: 4.56 min Scan# 390
Delta R.T. -0.01 min
Lab File: AT03682.D
Acq: 25 Feb 2005 6:10 pm

Tgt Ion: 55 Resp: 2221

Ion	Ratio	Lower	Upper
55	100		
69	10.9	4.6	64.6
98	46.4	24.8	84.8

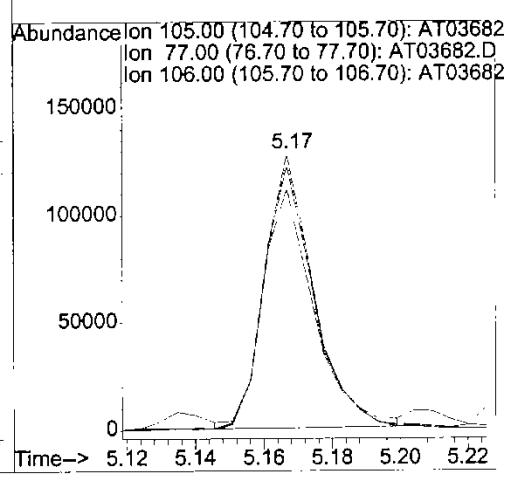


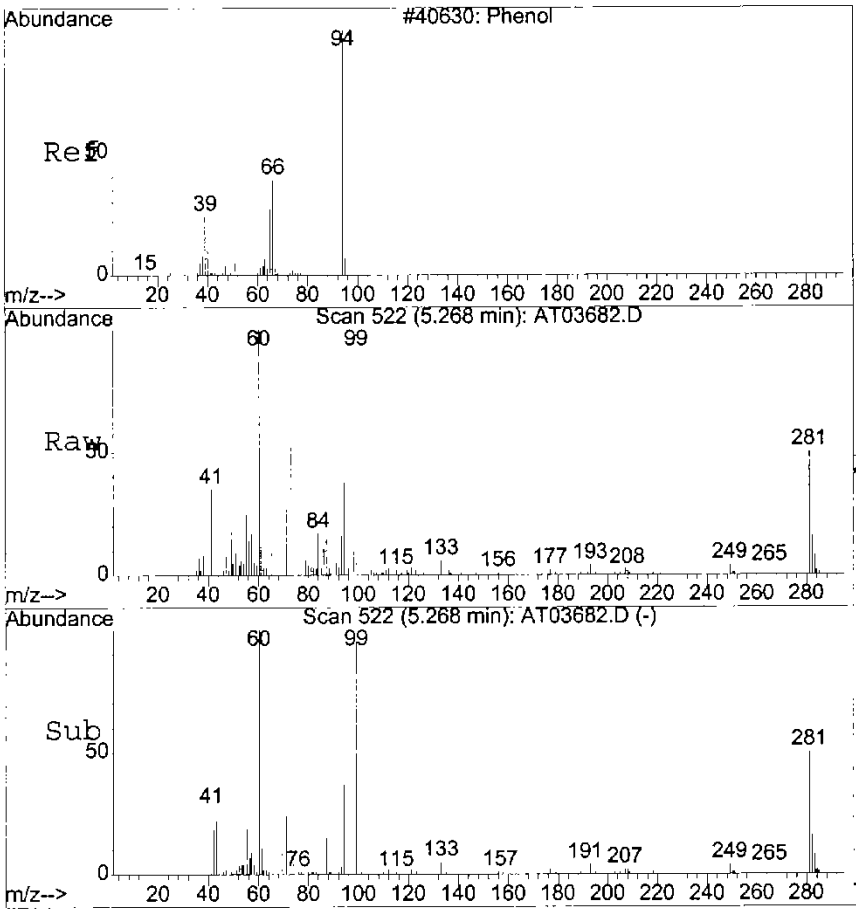


#6
Benzaldehyde
Concen: 727.51 ul/L
RT: 5.17 min Scan# 503
Delta R.T. -0.01 min
Lab File: AT03682.D
Acq: 25 Feb 2005 6:10 pm

Tgt Ion:105 Resp: 127725

Ion	Ratio	Lower	Upper
105	100		
77	92.5	63.9	123.9
106	99.3	72.0	132.0

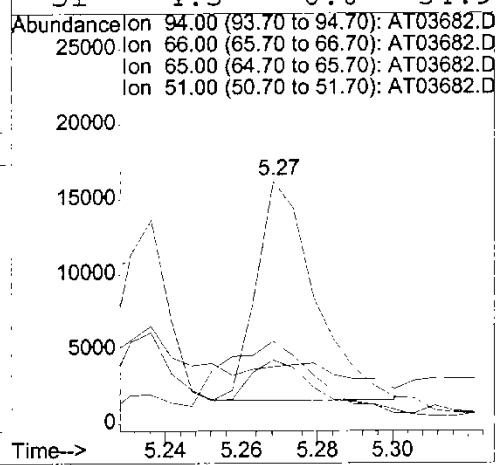


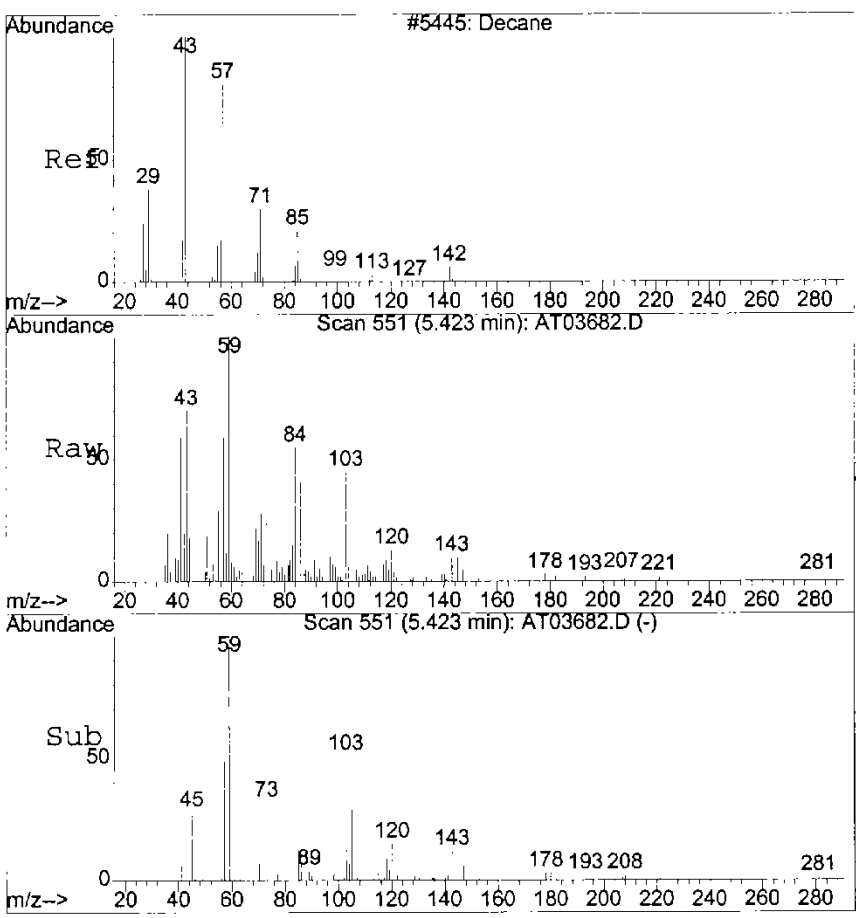


#9
Phenol
Concen: 67.31 ug/L
RT: 5.27 min Scan# 522
Delta R.T. -0.00 min
Lab File: AT03682.D
Acq: 25 Feb 2005 6:10 pm

Tgt Ion: 94 Resp: 15684

Ion	Ratio	Lower	Upper
94	100		
66	22.6	14.1	74.1
65	21.7	1.3	61.3
51	4.3	0.0	34.9

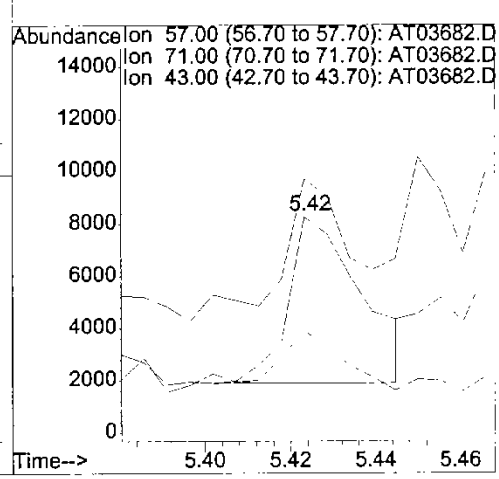


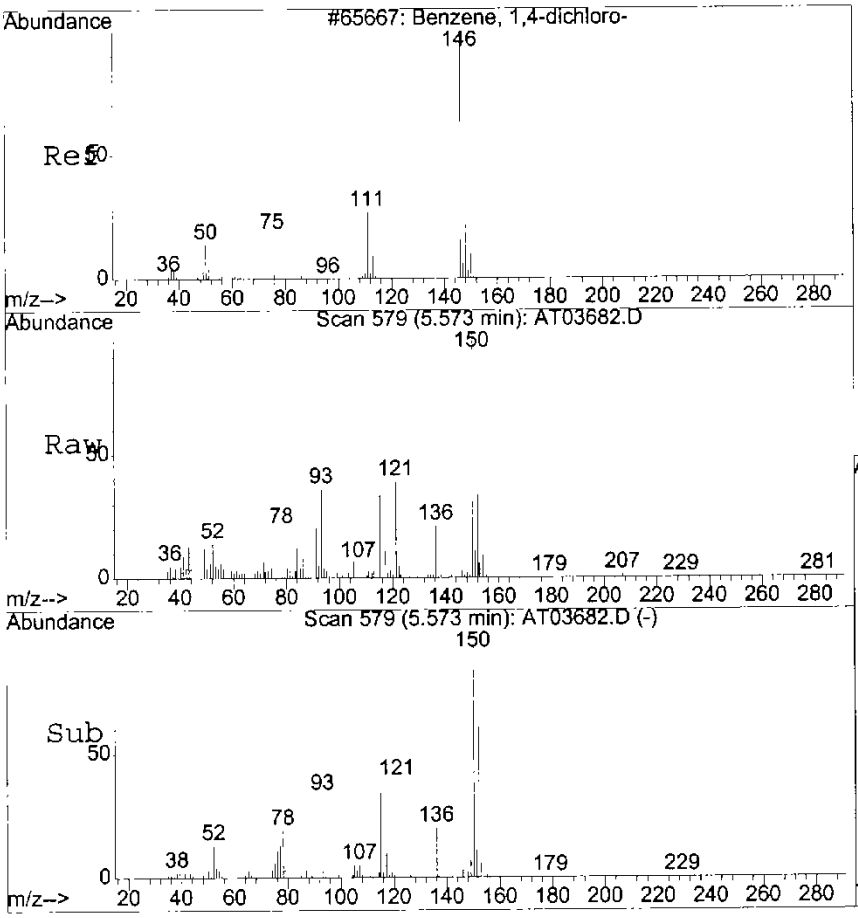


#12
Decane
Concen: 32.19 ul/L
RT: 5.42 min Scan# 551
Delta R.T. -0.01 min
Lab File: AT03682.D
Acq: 25 Feb 2005 6:10 pm

Tgt Ion: 57 Resp: 7593

Ion	Ratio	Lower	Upper
57	100		
71	34.2	13.9	73.9
43	78.3	48.7	108.7

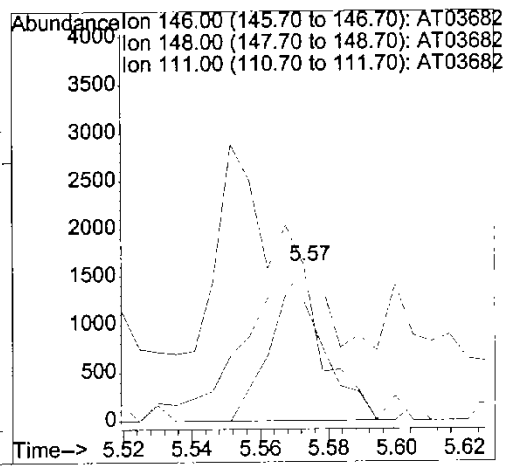


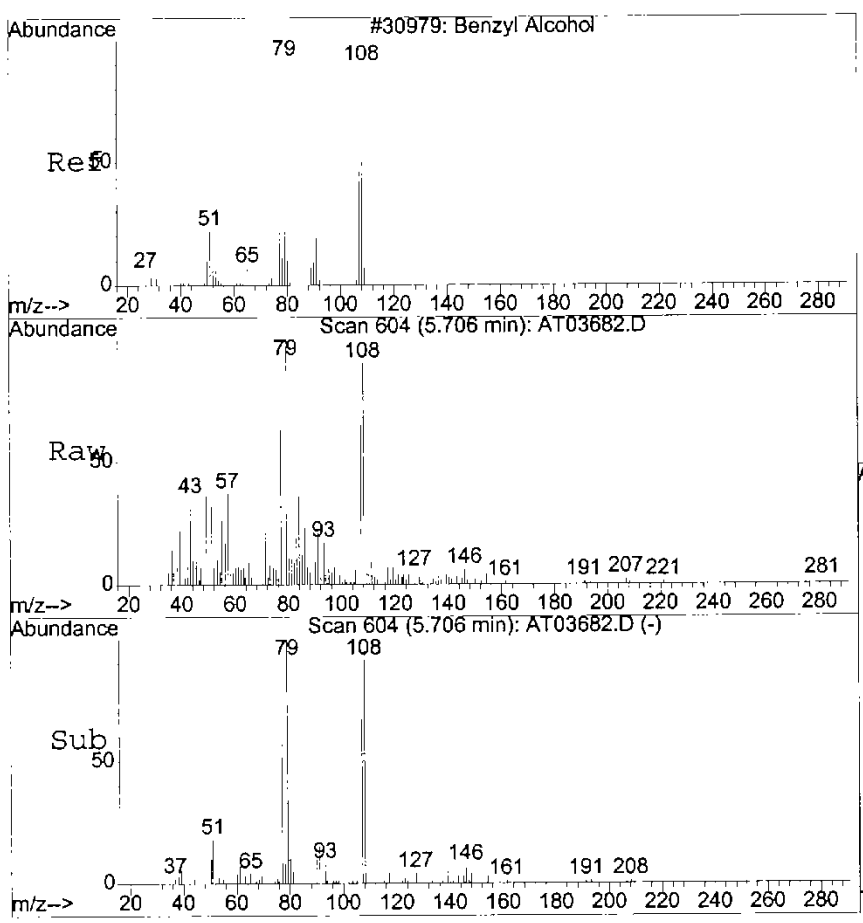


#14
1,4-Dichlorobenzene
Concen: 6.03 ug/L
RT: 5.57 min Scan# 579
Delta R.T. 0.00 min
Lab File: AT03682.D
Acq: 25 Feb 2005 6:10 pm

Tgt Ion:146 Resp: 1692

Ion	Ratio	Lower	Upper
146	100		
148	59.5	33.5	93.5
111	11.3	6.4	66.4

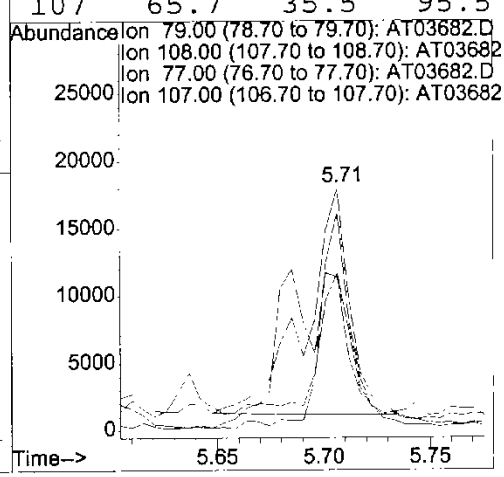


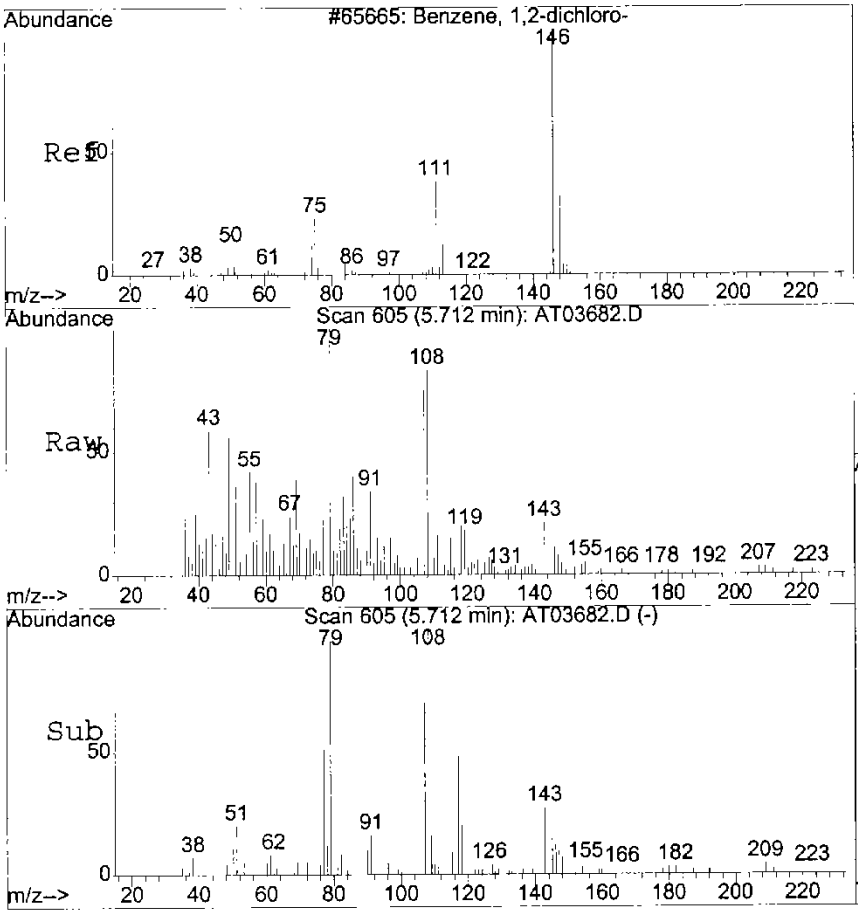


#15
Benzyl alcohol
Concen: 187.47 ug/L
RT: 5.71 min Scan# 604
Delta R.T. 0.01 min
Lab File: AT03682.D
Acq: 25 Feb 2005 6:10 pm

Tgt Ion: 79 Resp: 24033

Ion	Ratio	Lower	Upper
79	100		
108	94.7	62.2	122.2
77	59.7	29.8	89.8
107	65.7	35.5	95.5

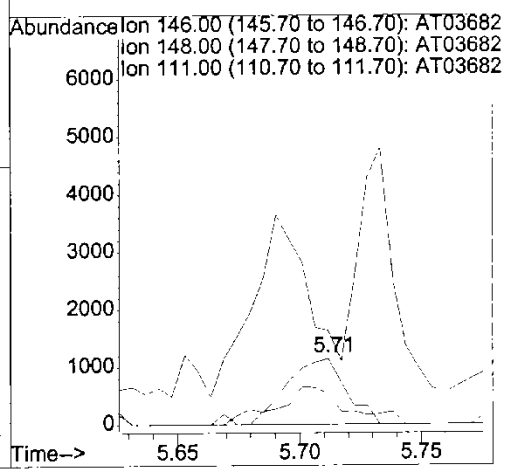


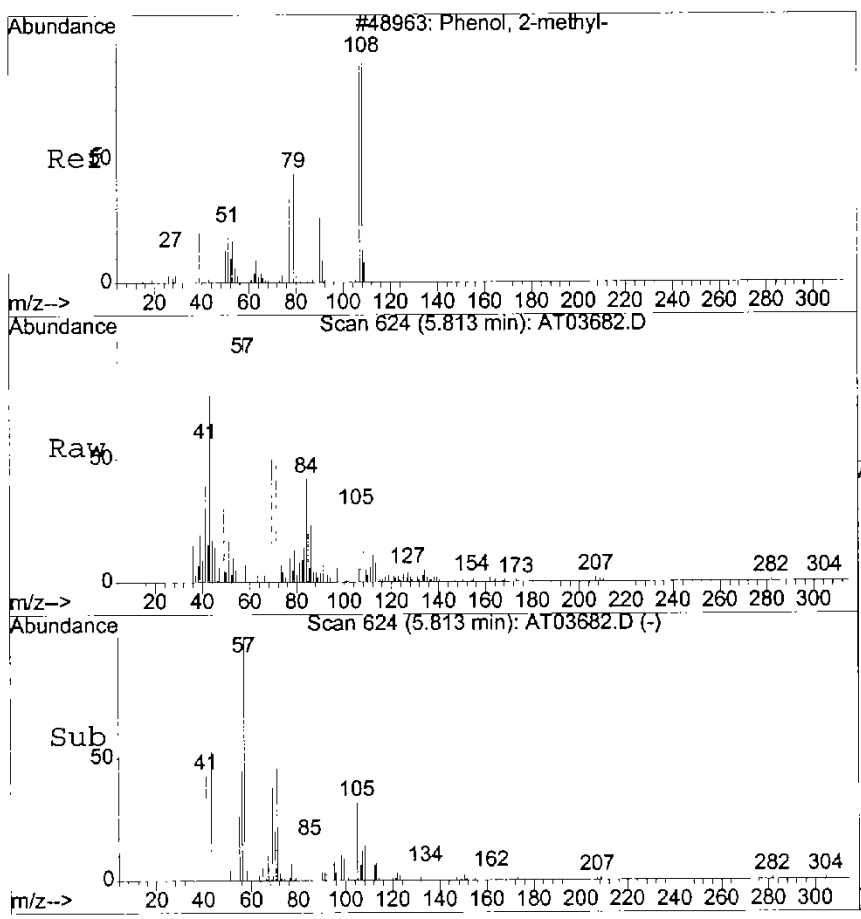


#16
1,2-Dichlorobenzene
Concen: 7.33 ug/L
RT: 5.71 min Scan# 605
Delta R.T. 0.01 min
Lab File: AT03682.D
Acq: 25 Feb 2005 6:10 pm

Tgt Ion:146 Resp: 2064

Ion	Ratio	Lower	Upper
146	100		
148	37.6	35.2	95.2
111	13.5	8.7	68.7

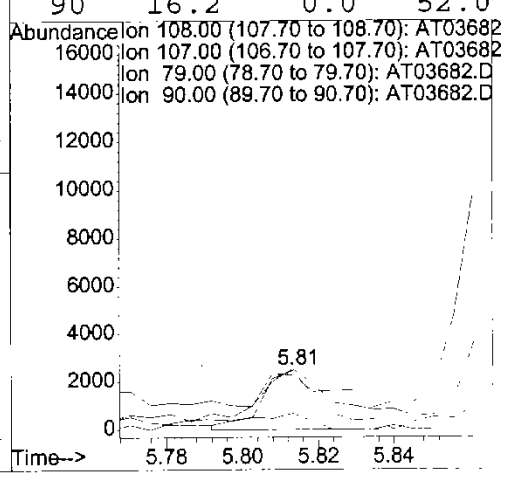


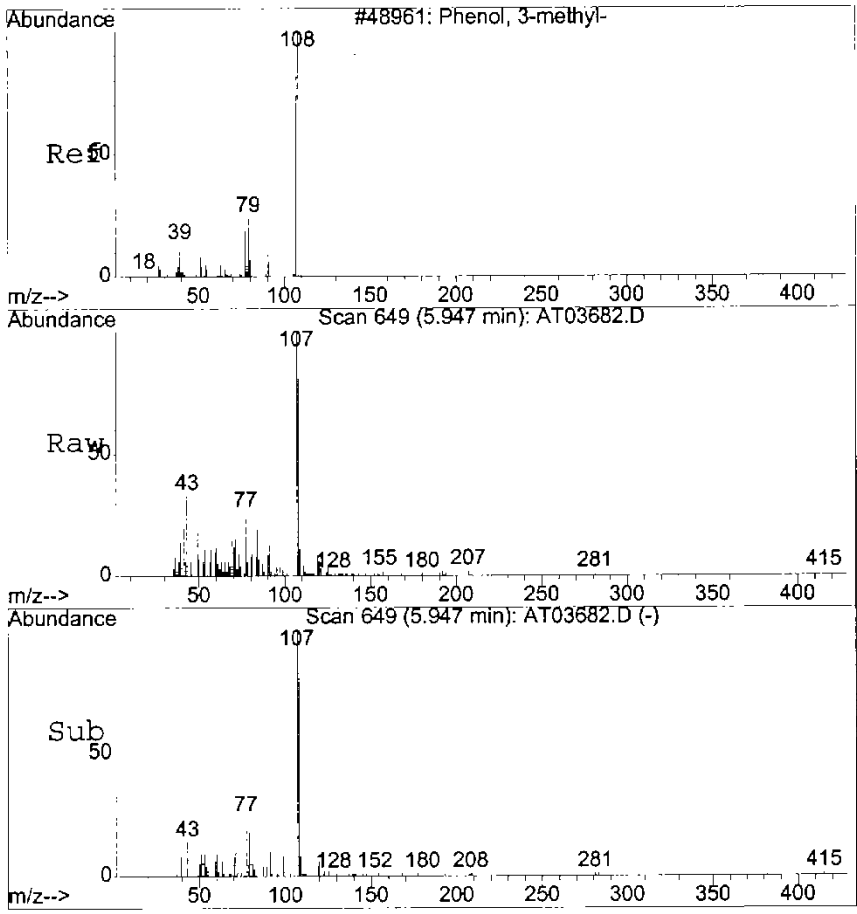


#17
2-Methylphenol
Concen: 15.42 ug/L
RT: 5.81 min Scan# 624
Delta R.T. 0.01 min
Lab File: AT03682.D
Acq: 25 Feb 2005 6:10 pm

Tgt Ion:108 Resp: 2687

Ion	Ratio	Lower	Upper
108	100		
107	75.0	58.0	118.0
79	45.3	0.4	60.4
90	16.2	0.0	52.0

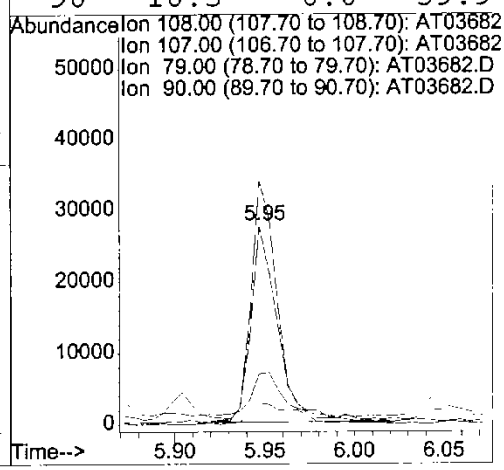


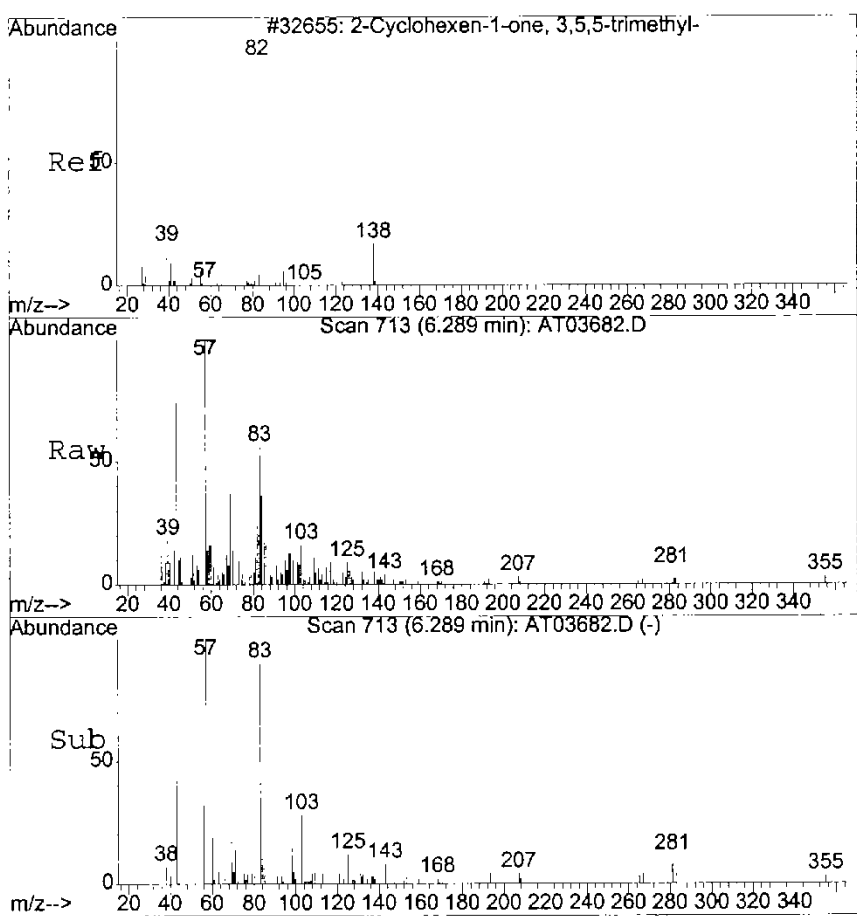


#19
3-&4-Methylphenol
Concen: 169.10 ug/L
RT: 5.95 min Scan# 649
Delta R.T. 0.01 min
Lab File: AT03682.D
Acq: 25 Feb 2005 6:10 pm

Tgt Ion:108 Resp: 28005

Ion	Ratio	Lower	Upper
108	100		
107	121.4	75.6	135.6
79	21.3	0.0	55.6
90	10.5	0.0	39.9

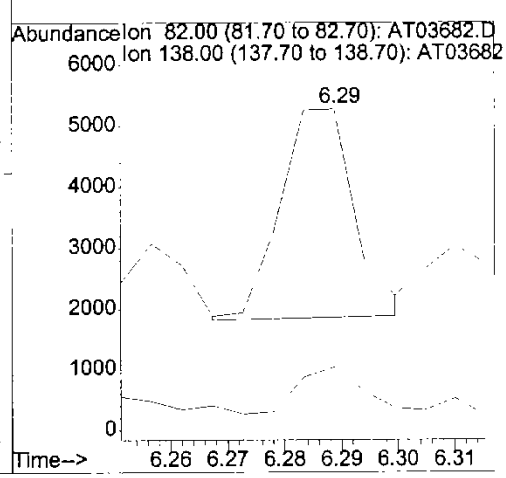




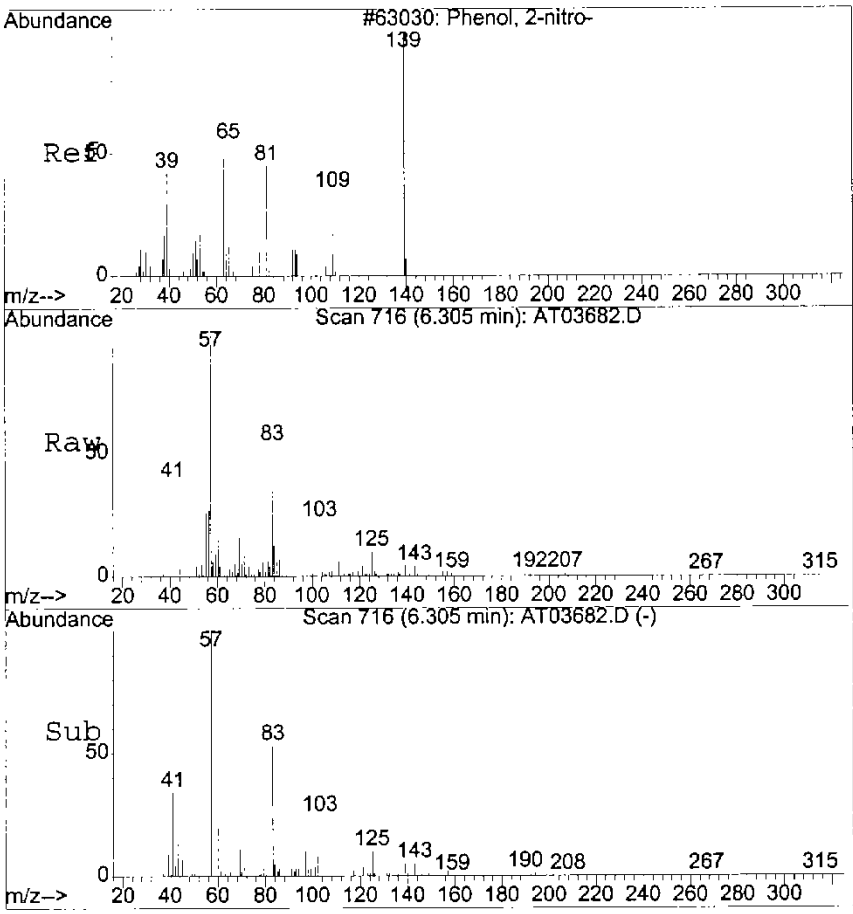
#26
Isophorone
Concen: 8.38 ug/L
RT: 6.29 min Scan# 713
Delta R.T. 0.00 min
Lab File: AT03682.D
Acq: 25 Feb 2005 6:10 pm

Tgt Ion: 82 Resp: 3096

Ion	Ratio	Lower	Upper
82	100		
138	20.3	0.0	51.7



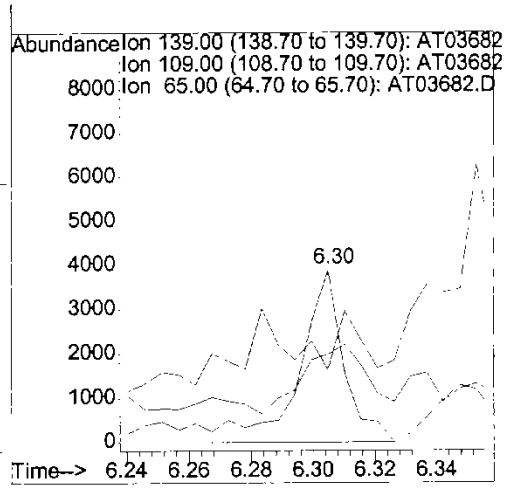
00713

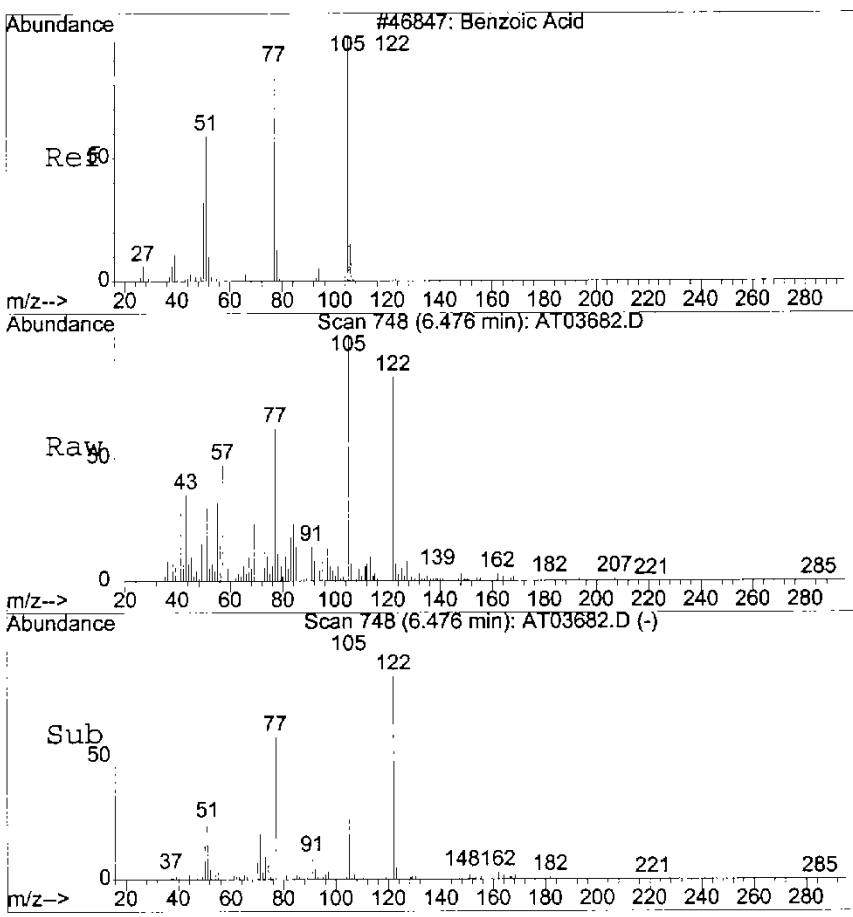


#27
2-Nitrophenol
Concen: 37.79 ug/L
RT: 6.30 min Scan# 716
Delta R.T. -0.05 min
Lab File: AT03682.D
Acq: 25 Feb 2005 6:10 pm

Tgt Ion:139 Resp: 3864

Ion	Ratio	Lower	Upper
139	100		
109	0.0	0.0	49.5
65	27.1	4.3	64.3

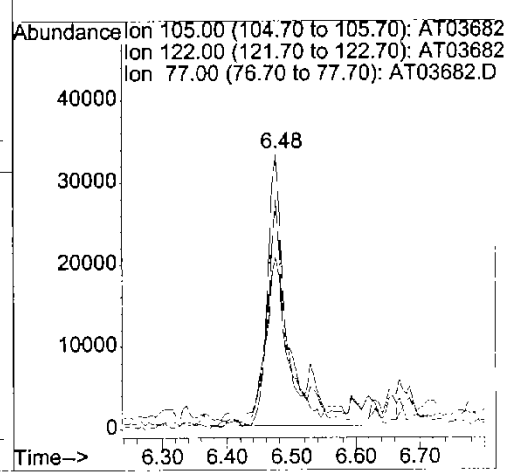




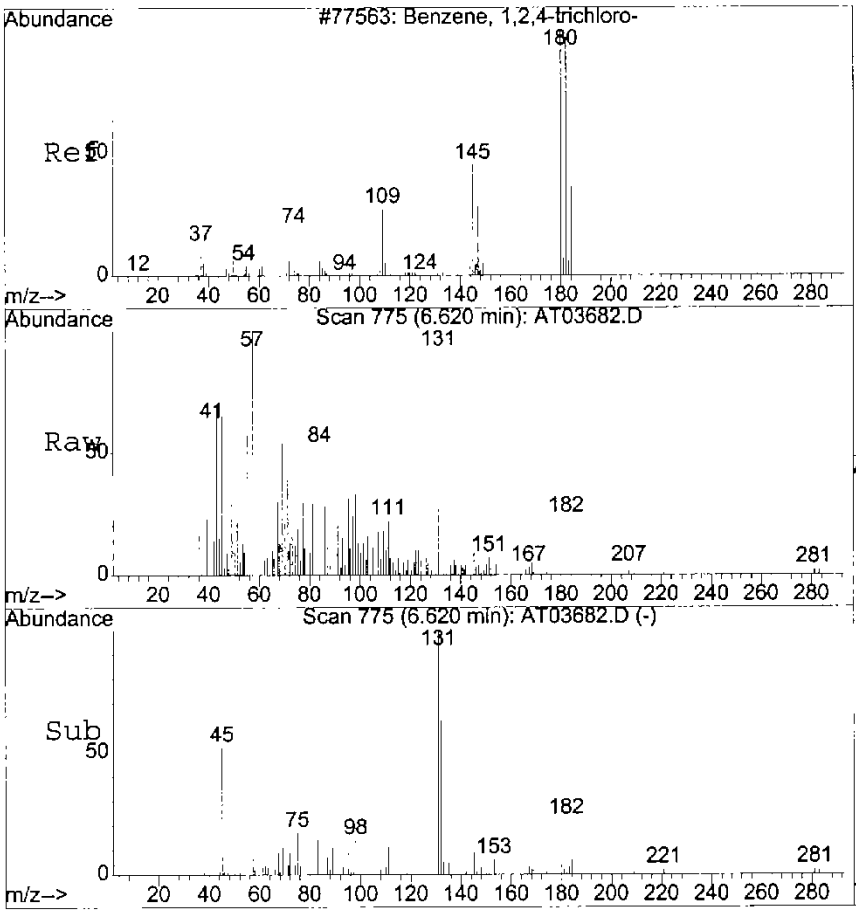
#30
Benzoic Acid
Concen: 1174.56 ug/L
RT: 6.48 min Scan# 748
Delta R.T. -0.03 min
Lab File: AT03682.D
Acq: 25 Feb 2005 6:10 pm

Tgt Ion:105 Resp: 83229

Ion	Ratio	Lower	Upper
105	100		
122	85.2	58.0	118.0
77	57.4	34.2	94.2



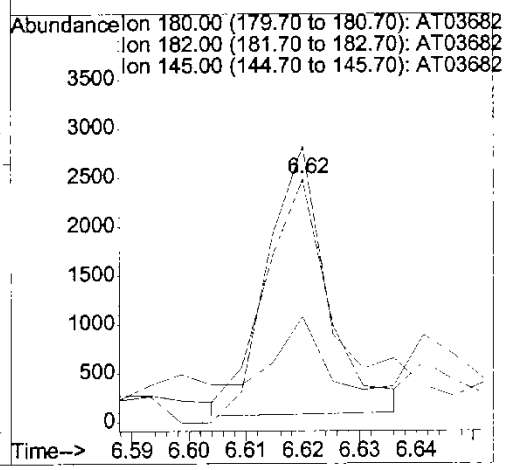
00714

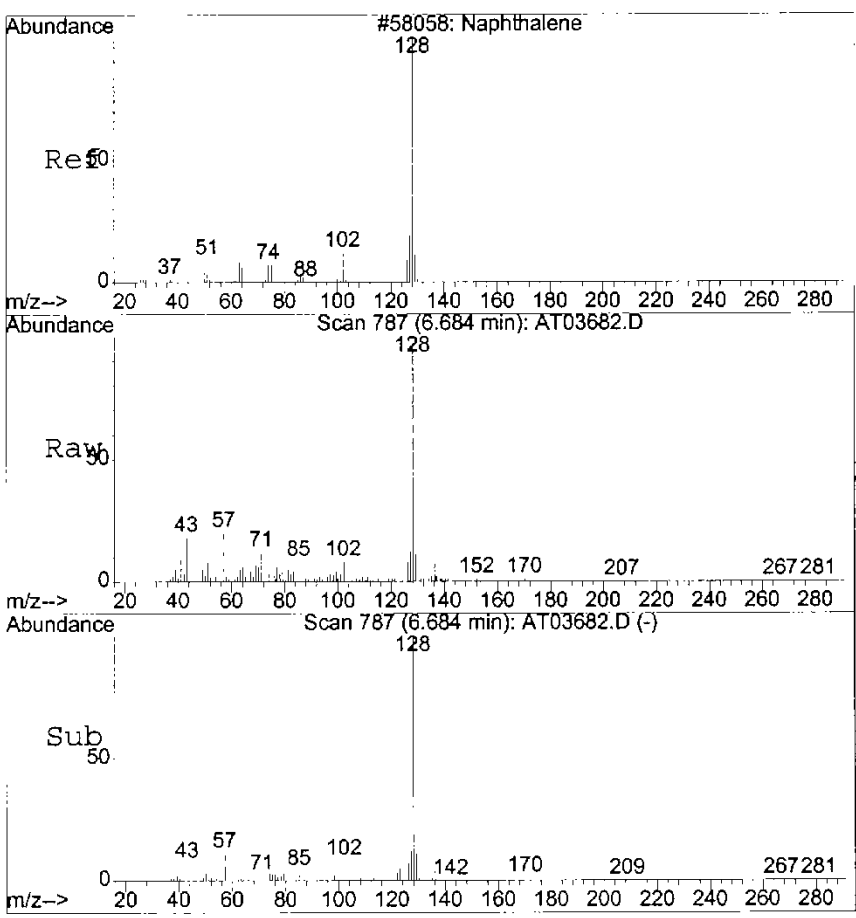


#32
1,2,4-Trichlorobenzene
Concen: 8.29 ug/L
RT: 6.62 min Scan# 775
Delta R.T. -0.00 min
Lab File: AT03682.D
Acq: 25 Feb 2005 6:10 pm

Tgt Ion:180 Resp: 1899

Ion	Ratio	Lower	Upper
180	100		
182	112.7	67.2	127.2
145	31.8	0.0	57.2

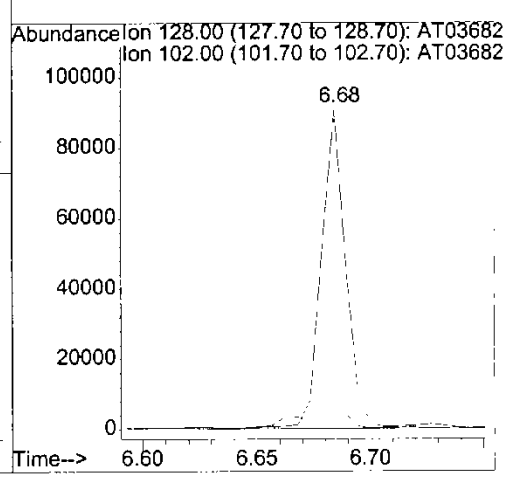


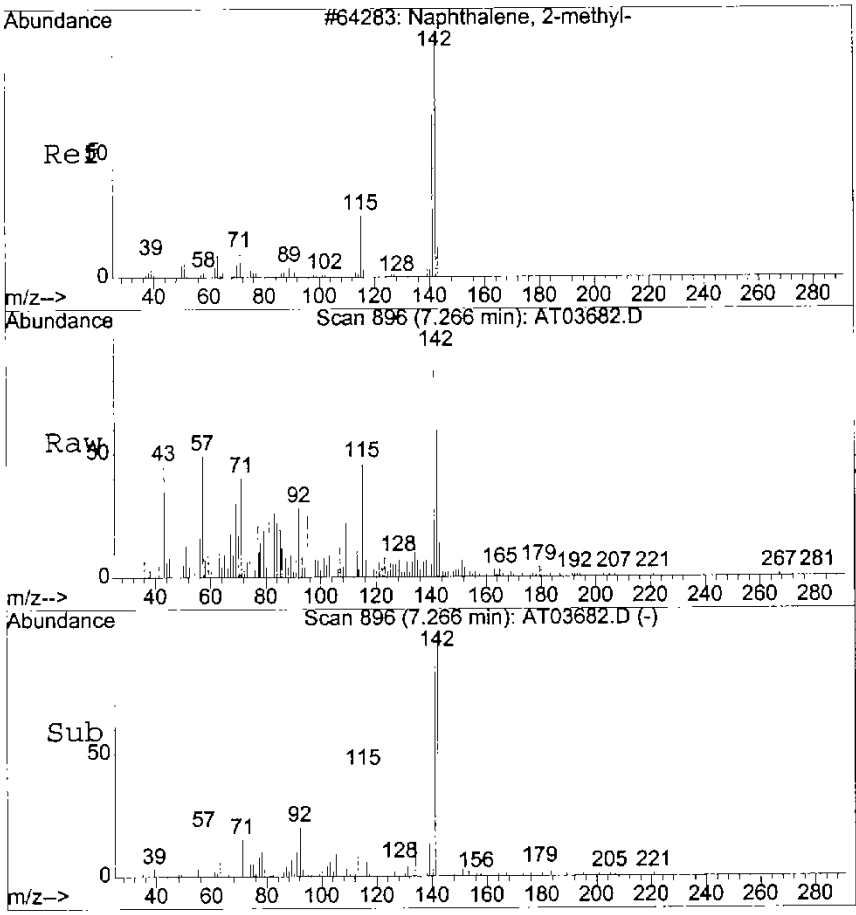


#33
Naphthalene
Concen: 98.16 ug/L
RT: 6.68 min Scan# 787
Delta R.T. 0.00 min
Lab File: AT03682.D
Acq: 25 Feb 2005 6:10 pm

Tgt Ion:128 Resp: 67853

Ion	Ratio	Lower	Upper
128	100		
102	8.0	0.0	37.8

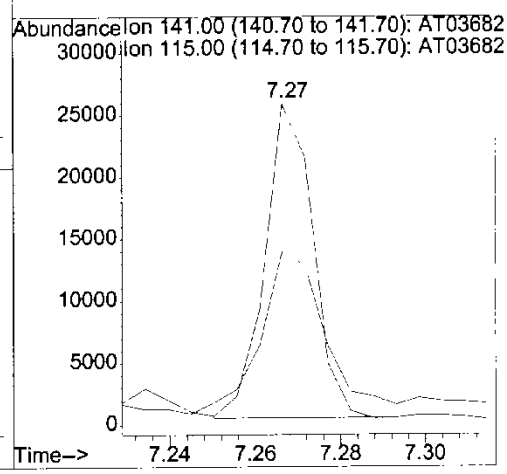


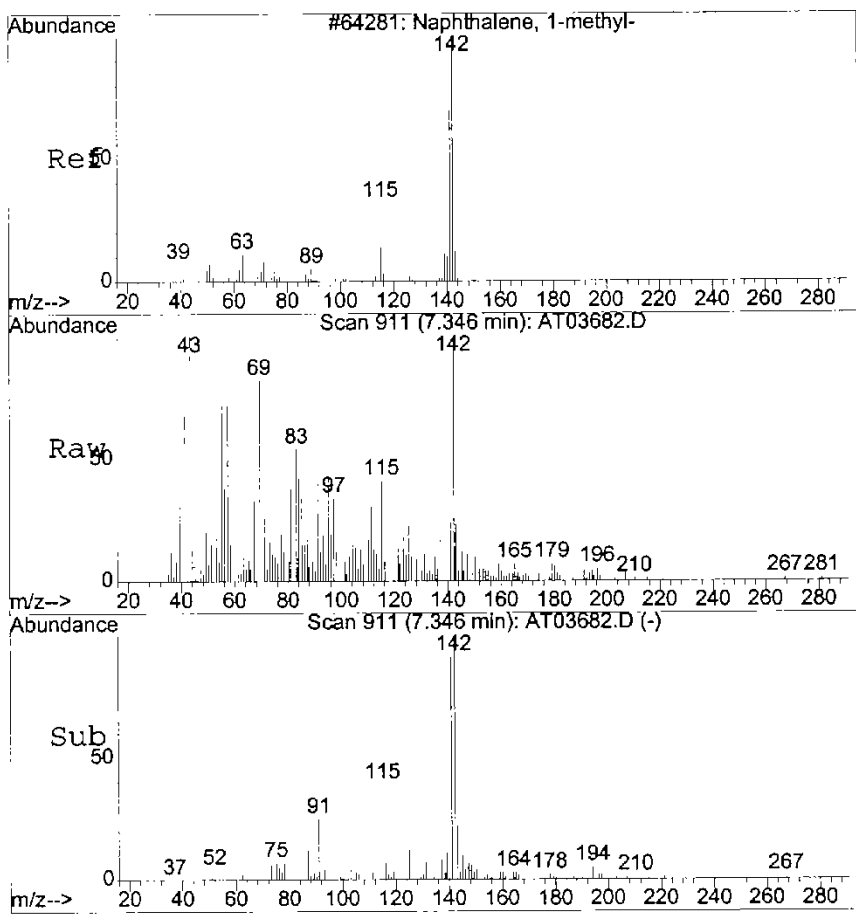


#37
2-Methylnaphthalene
Concen: 54.05 ug/L
RT: 7.27 min Scan# 896
Delta R.T. 0.01 min
Lab File: AT03682.D
Acq: 25 Feb 2005 6:10 pm

Tgt Ion:141 Resp: 19795

Ion	Ratio	Lower	Upper
141	100		
115	48.6	2.2	62.2

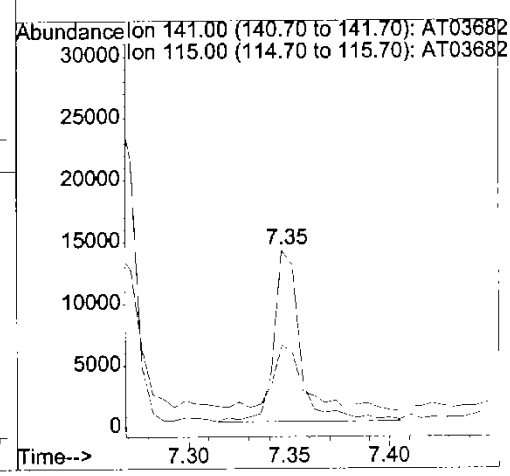


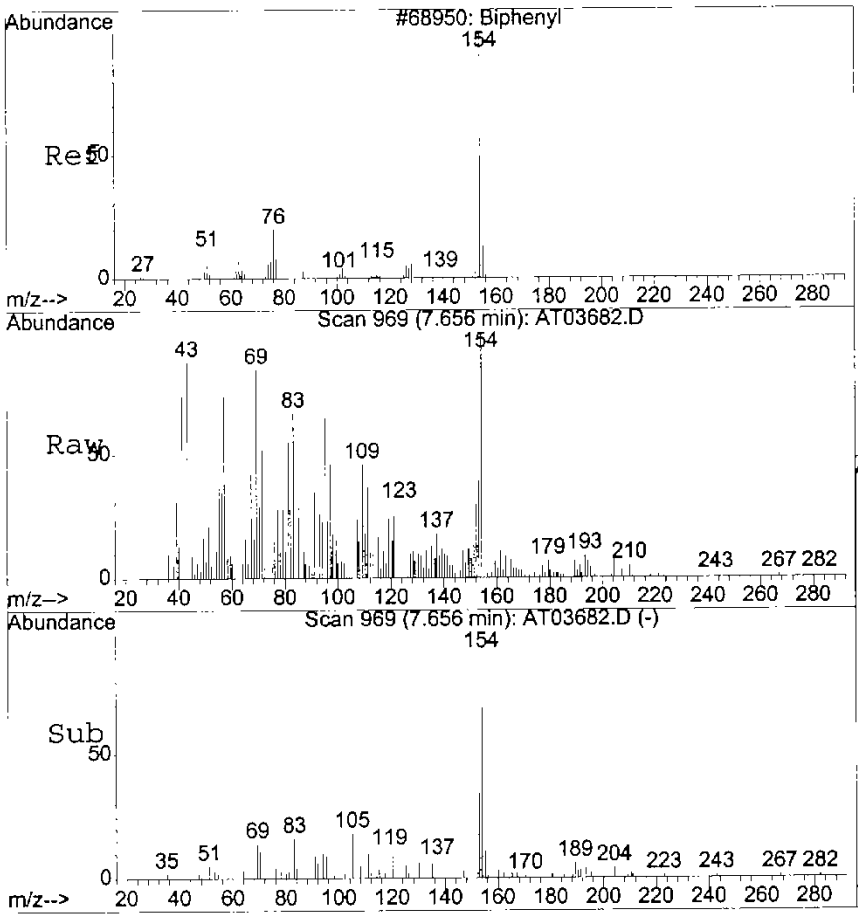


#38
1-Methylnaphthalene
Concen: 33.36 ul/l
RT: 7.35 min Scan# 911
Delta R.T. 0.00 min
Lab File: AT03682.D
Acq: 25 Feb 2005 6:10 pm

Tgt Ion:141 Resp: 12730

Ion	Ratio	Lower	Upper
141	100		
115	37.3	2.6	62.6

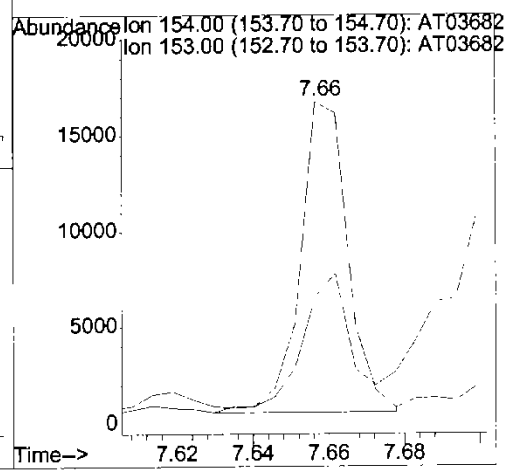


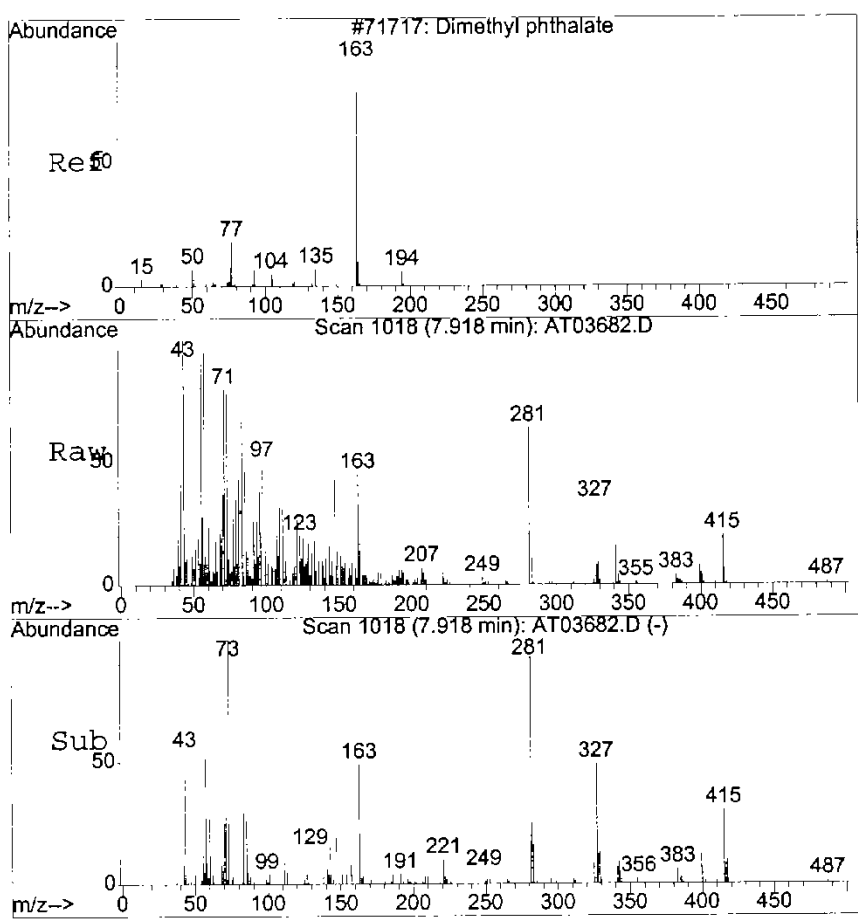


#46
Biphenyl
Concen: 26.21 ul/L
RT: 7.66 min Scan# 969
Delta R.T. -0.01 min
Lab File: AT03682.D
Acq: 25 Feb 2005 6:10 pm

Tgt Ion:154 Resp: 14067

Ion	Ratio	Lower	Upper
154	100		
153	42.1	9.4	69.4

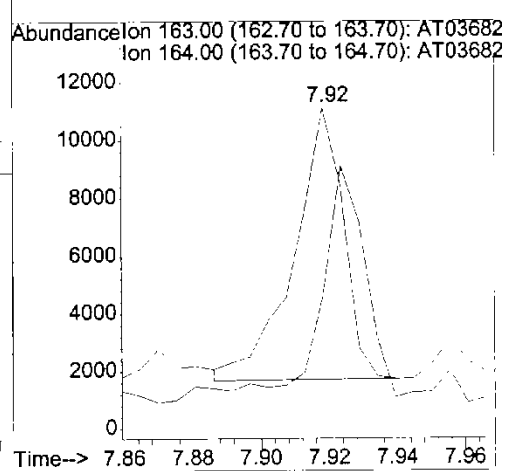


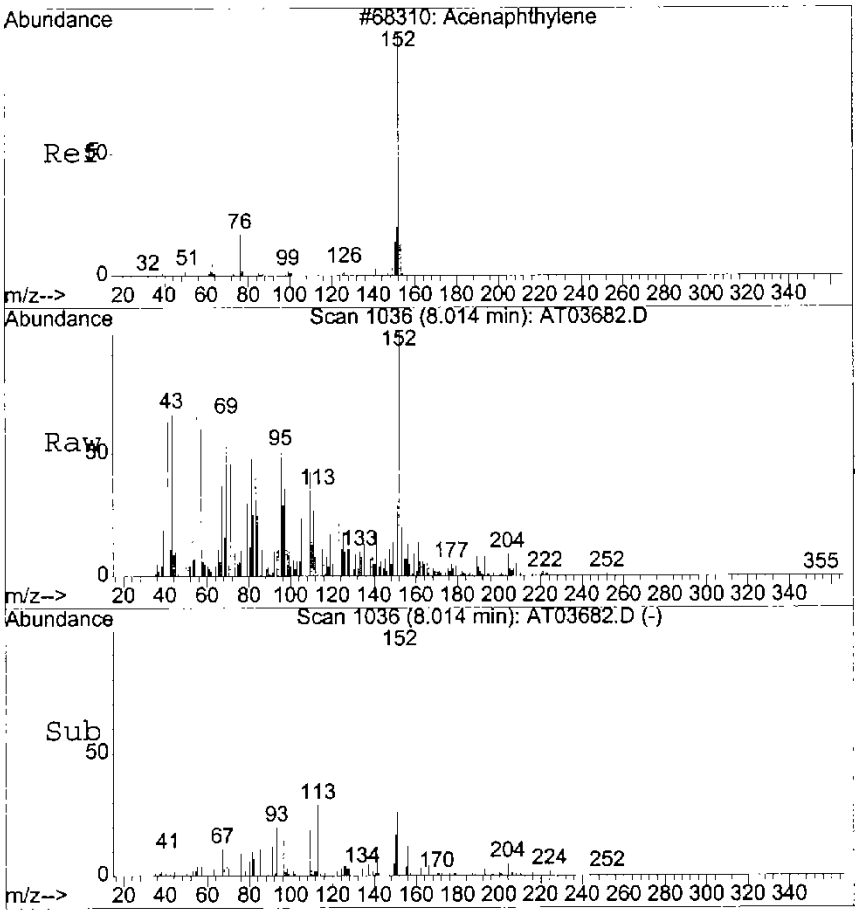


#48
Dimethylphthalate
Concen: 21.01 ug/L
RT: 7.92 min Scan# 1018
Delta R.T. -0.00 min
Lab File: AT03682.D
Acq: 25 Feb 2005 6:10 pm

Tgt Ion:163 Resp: 9445

Ion	Ratio	Lower	Upper
163	100		
164	36.2	0.0	40.0

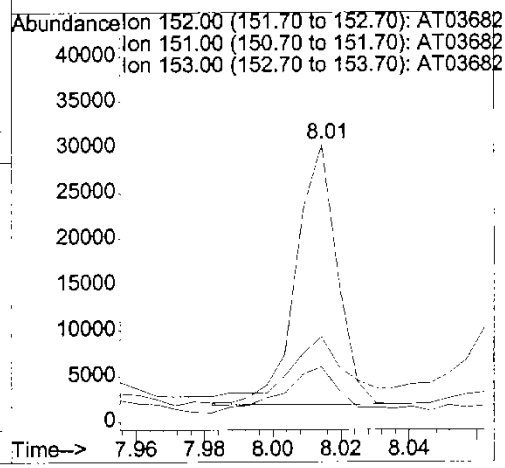


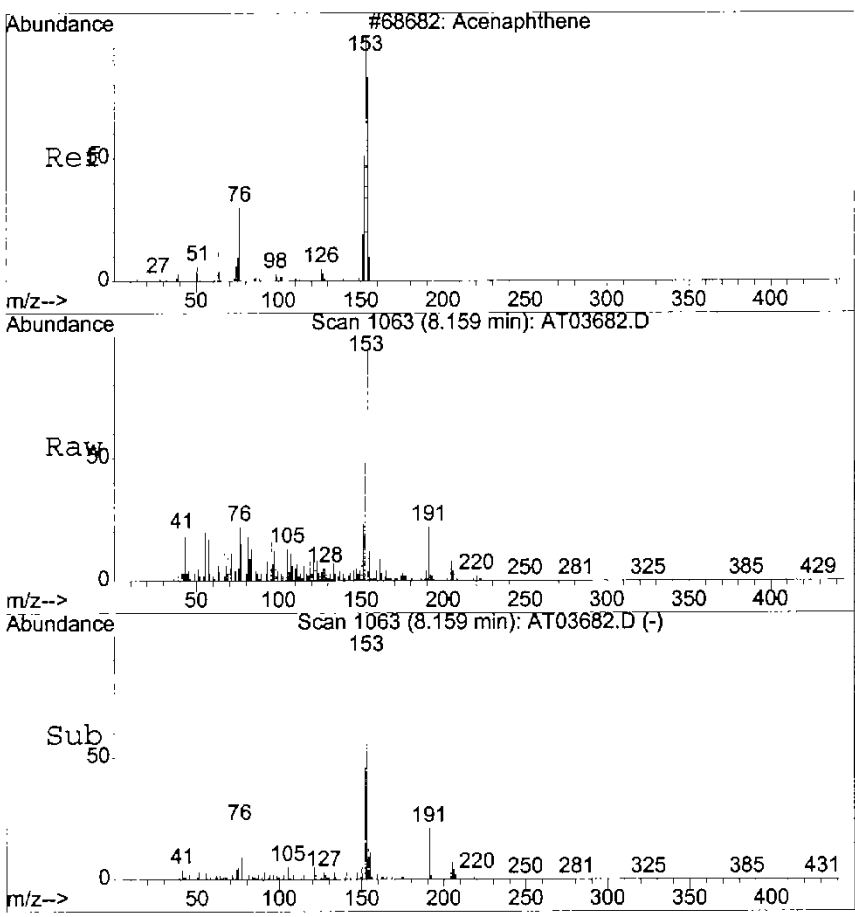


#49
Acenaphthylene
Concen: 35.90 ug/L
RT: 8.01 min Scan# 1036
Delta R.T. -0.00 min
Lab File: AT03682.D
Acq: 25 Feb 2005 6:10 pm

Tgt Ion:152 Resp: 23706

Ion	Ratio	Lower	Upper
152	100		
151	21.5	0.0	49.4
153	17.1	0.0	43.0

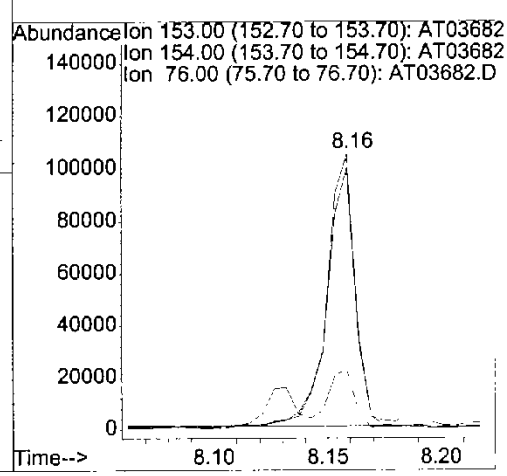


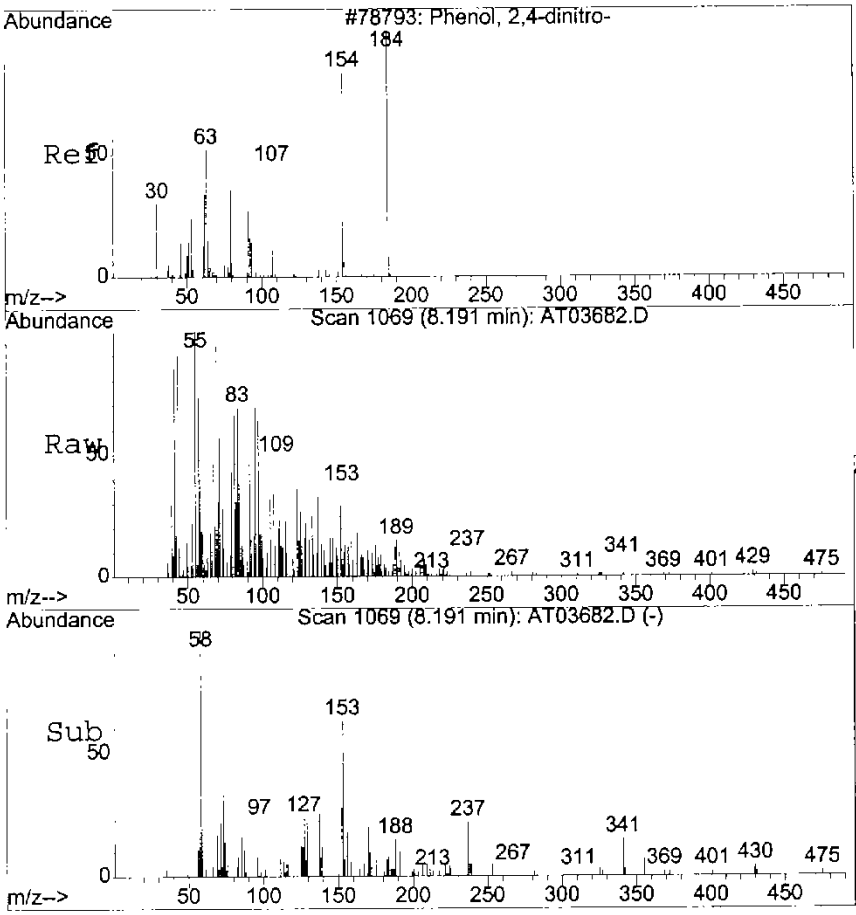


#52
Acenaphthene
Concen: 211.18 ug/L
RT: 8.16 min Scan# 1063
Delta R.T. 0.00 min
Lab File: AT03682.D
Acq: 25 Feb 2005 6:10 pm

Tgt Ion:153 Resp: 91764

Ion	Ratio	Lower	Upper
153	100		
154	96.0	53.5	113.5
76	21.7	0.0	50.2

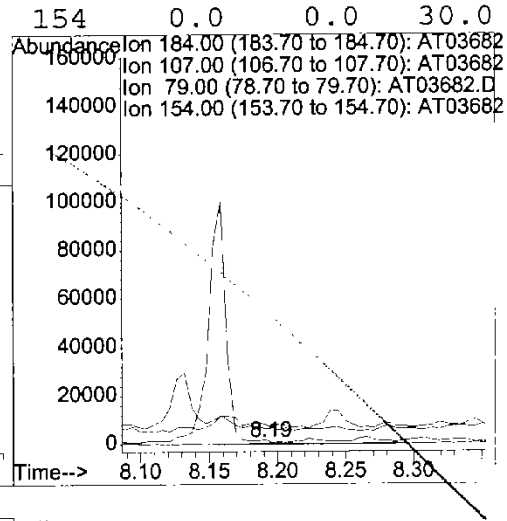


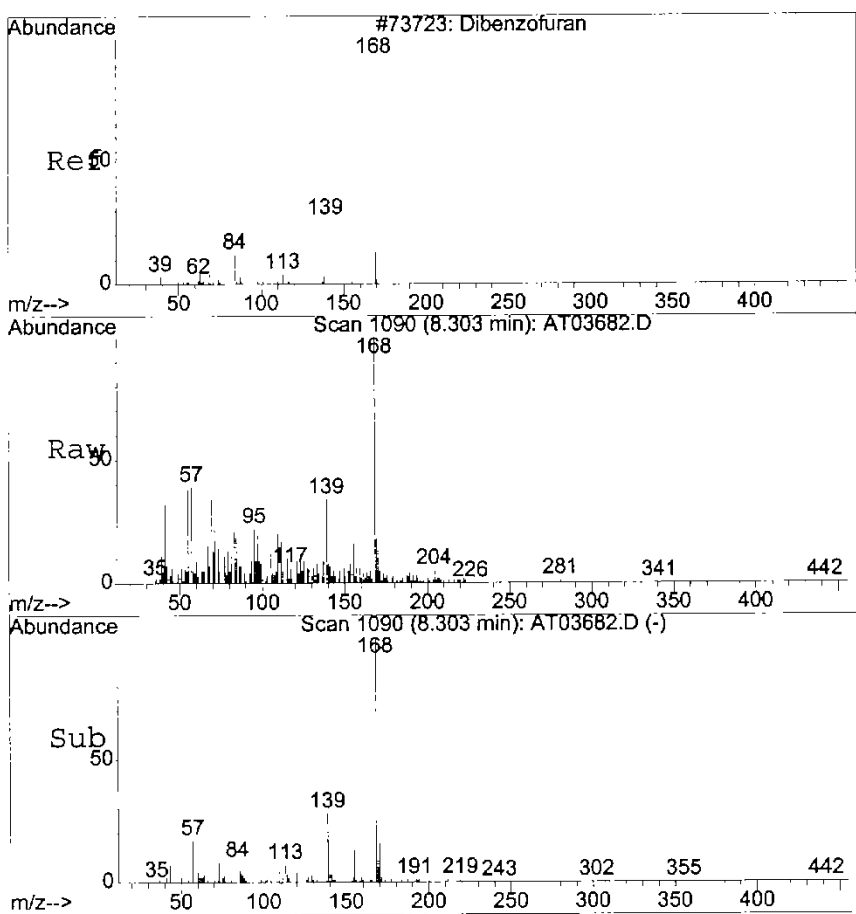


#53
2,4-Dinitrophenol
Concen: 390.75 ug/L
RT: 8.19 min Scan# 1069
Delta R.T. 0.00 min
Lab File: AT03682.D
Acq: 25 Feb 2005 6:10 pm

Tgt Ion:184 Resp: 2382

Ion	Ratio	Lower	Upper
184	100		
107	0.0	0.0	58.6
79	0.0	0.0	48.2
154	0.0	0.0	30.0

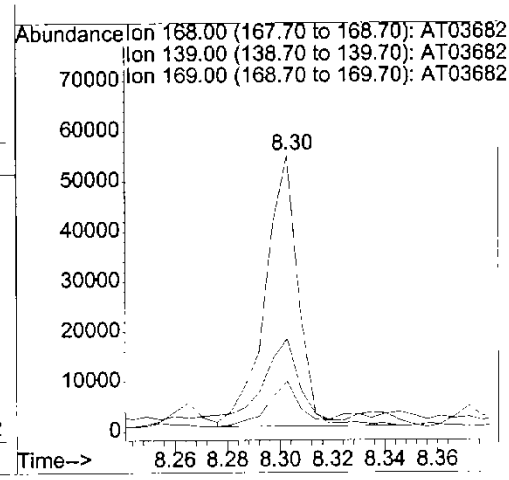


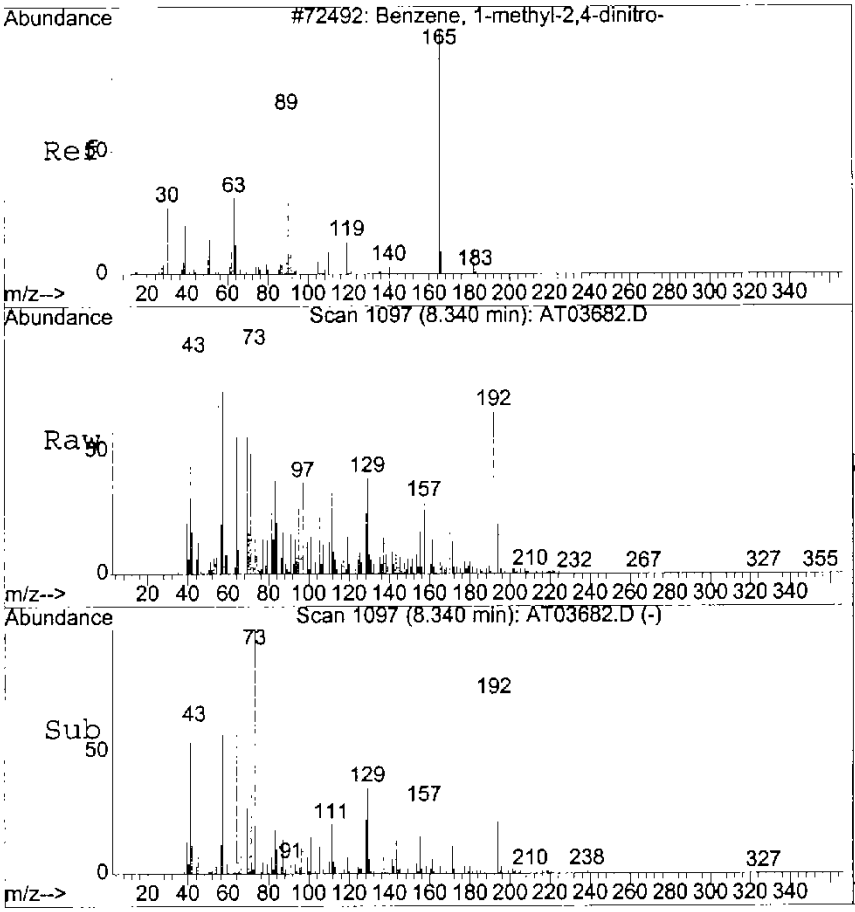


#55
Dibenzofuran
Concen: 80.93 ug/L
RT: 8.30 min Scan# 1090
Delta R.T. 0.00 min
Lab File: AT03682.D
Acq: 25 Feb 2005 6:10 pm

Tgt Ion:168 Resp: 47112

Ion	Ratio	Lower	Upper
168	100		
139	27.9	0.6	60.6
169	15.5	0.0	42.8

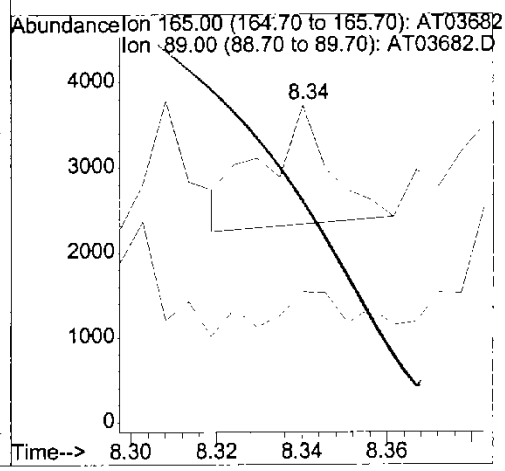


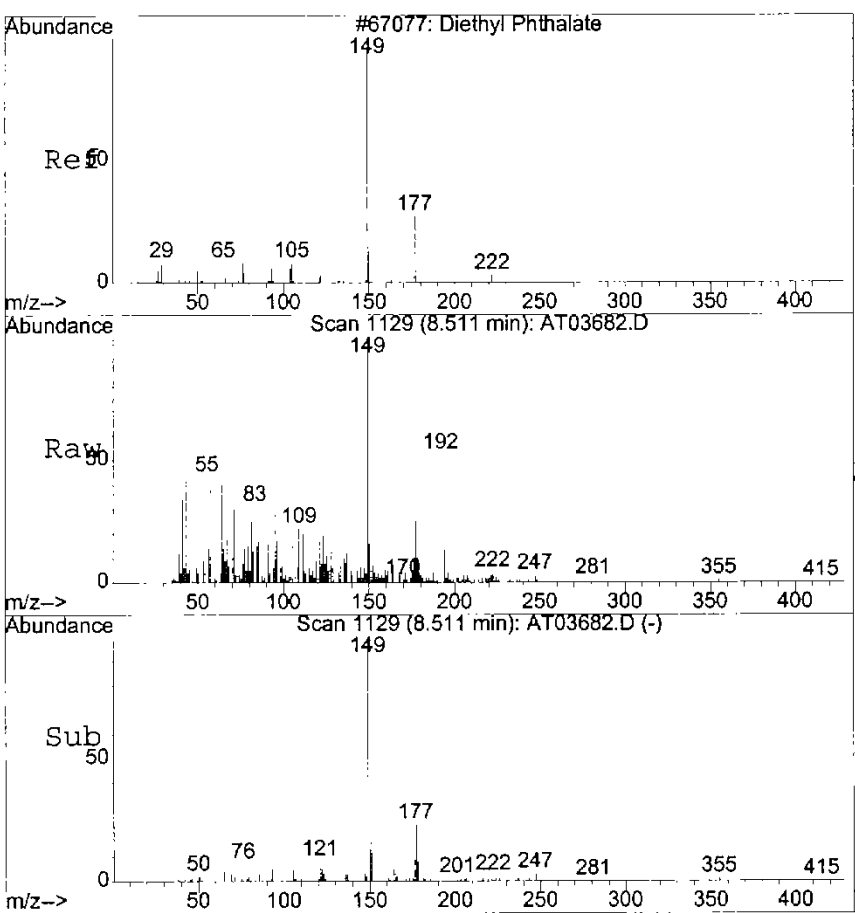


#56
2,4-Dinitrotoluene
Concen: 41.83 ug/L
RT: 8.34 min Scan# 1097
Delta R.T. 0.04 min
Lab File: AT03682.D
Acq: 25 Feb 2005 6:10 pm

Tgt Ion:165 Resp: 1550

Ion	Ratio	Lower	Upper
165	100		
89	40.0	22.1	82.1

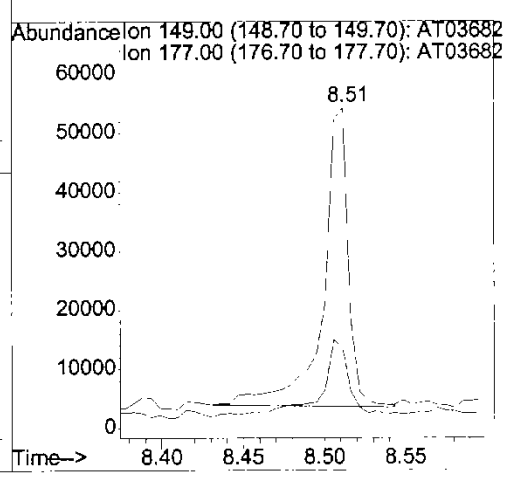


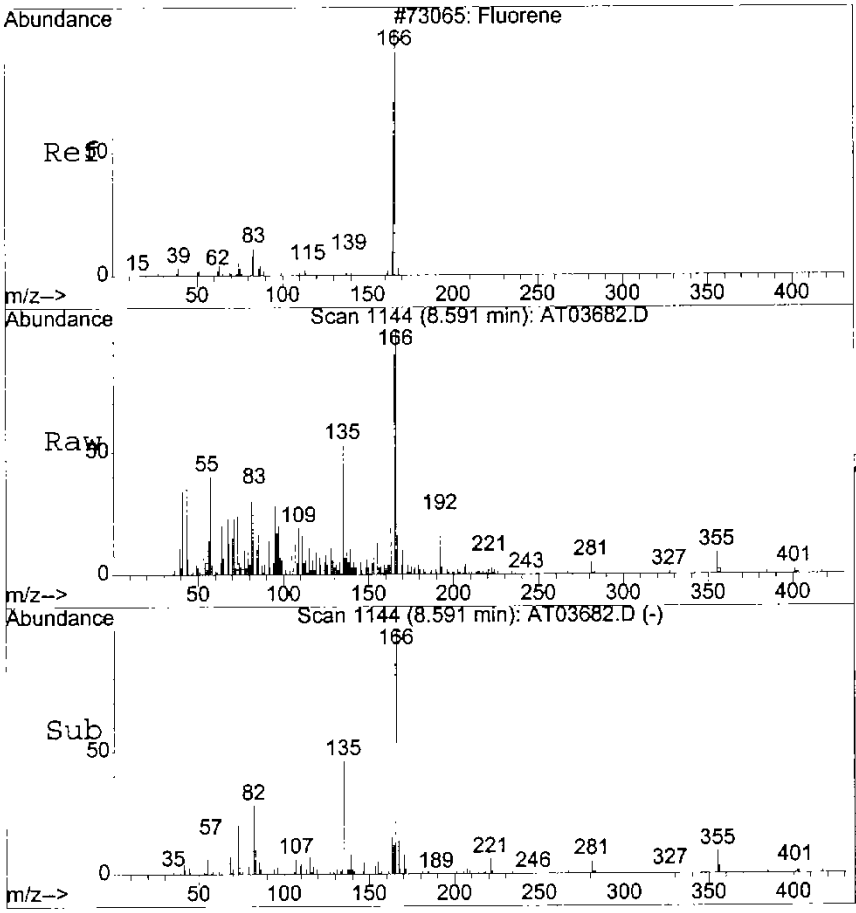


#59
Diethylphthalate
Concen: 116.20 ug/L
RT: 8.51 min Scan# 1129
Delta R.T. 0.00 min
Lab File: AT03682.D
Acq: 25 Feb 2005 6:10 pm

Tgt Ion:149 Resp: 55258

Ion	Ratio	Lower	Upper
149	100		
177	22.5	0.0	53.1

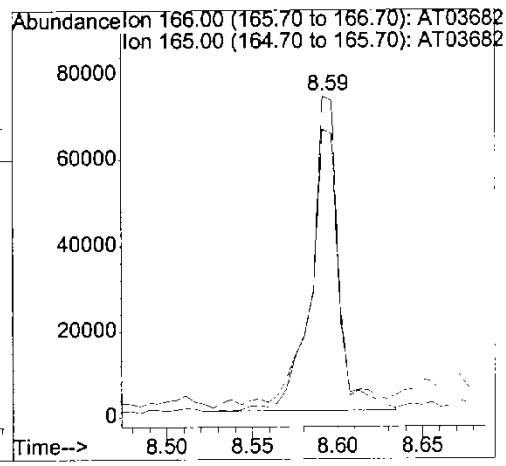


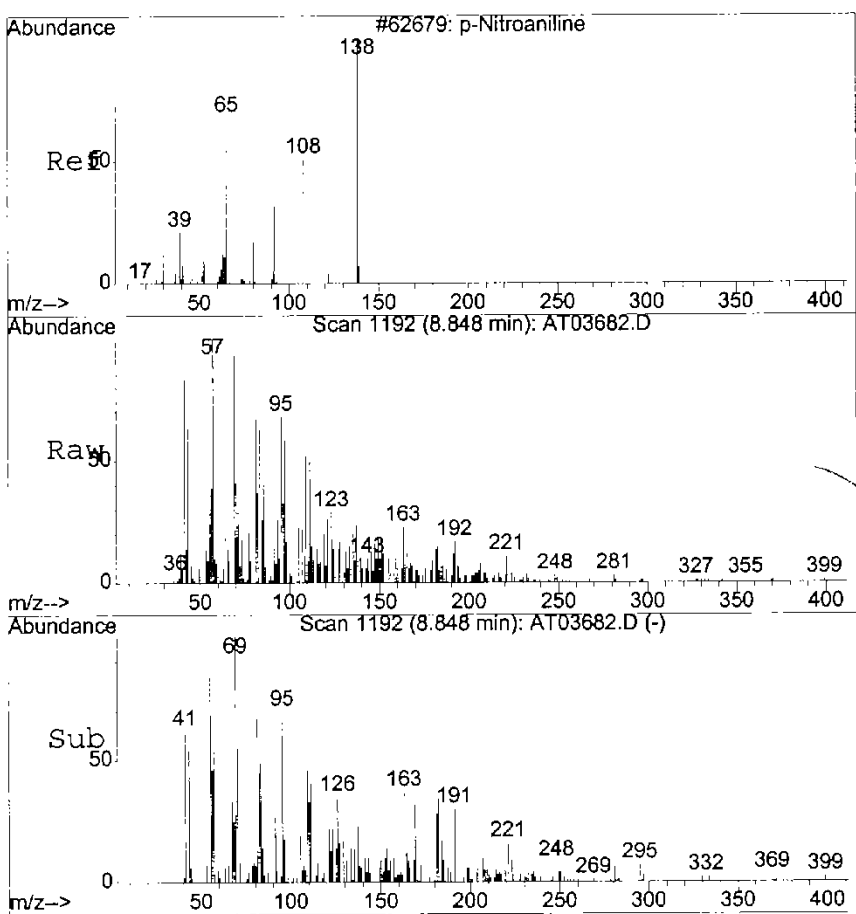


#60
Fluorene
Concen: 181.45 ug/L
RT: 8.59 min Scan# 1144
Delta R.T. -0.01 min
Lab File: AT03682.D
Acq: 25 Feb 2005 6:10 pm

Tgt Ion:166 Resp: 81290

Ion	Ratio	Lower	Upper
166	100		
165	86.9	65.1	125.1

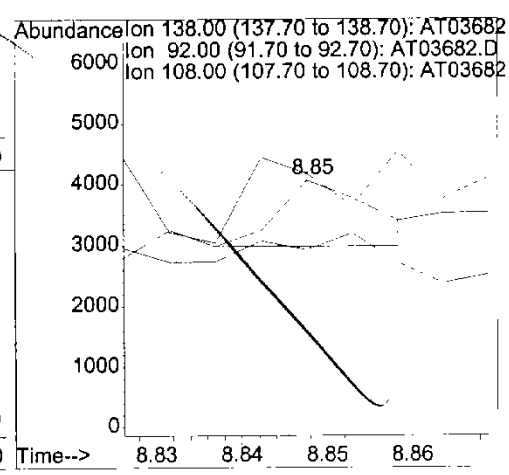


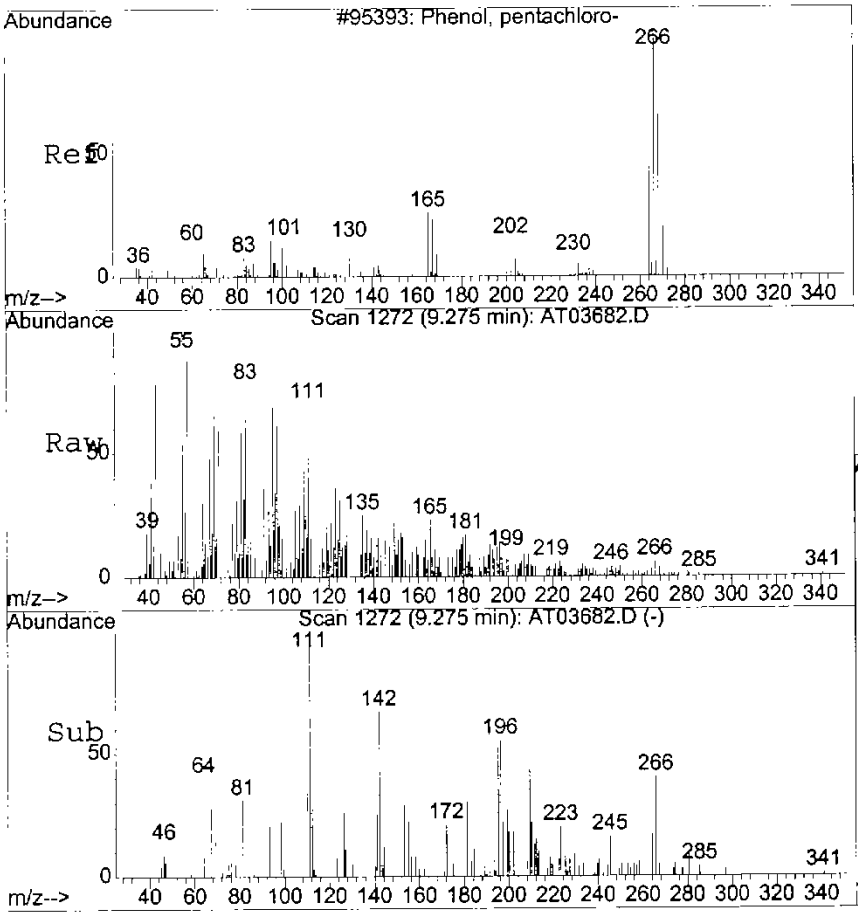


#62
4-Nitroaniline
Concen: 12.68 ug/L
RT: 8.85 min Scan# 1192
Delta R.T. 0.22 min
Lab File: AT03682.D
Acq: 25 Feb 2005 6:10 pm

Tgt Ion:138 Resp: 812

Ion	Ratio	Lower	Upper
138	100		
92	23.3	11.1	71.1
108	44.5	21.9	81.9

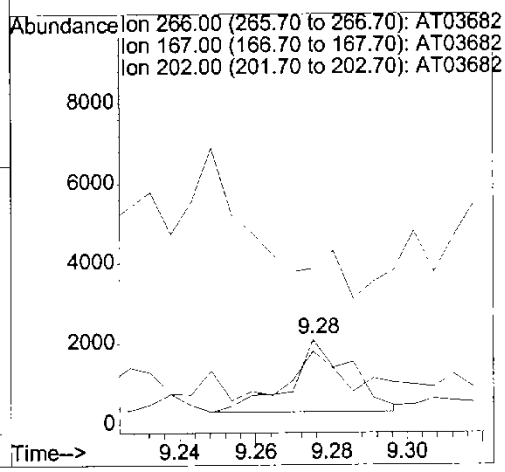


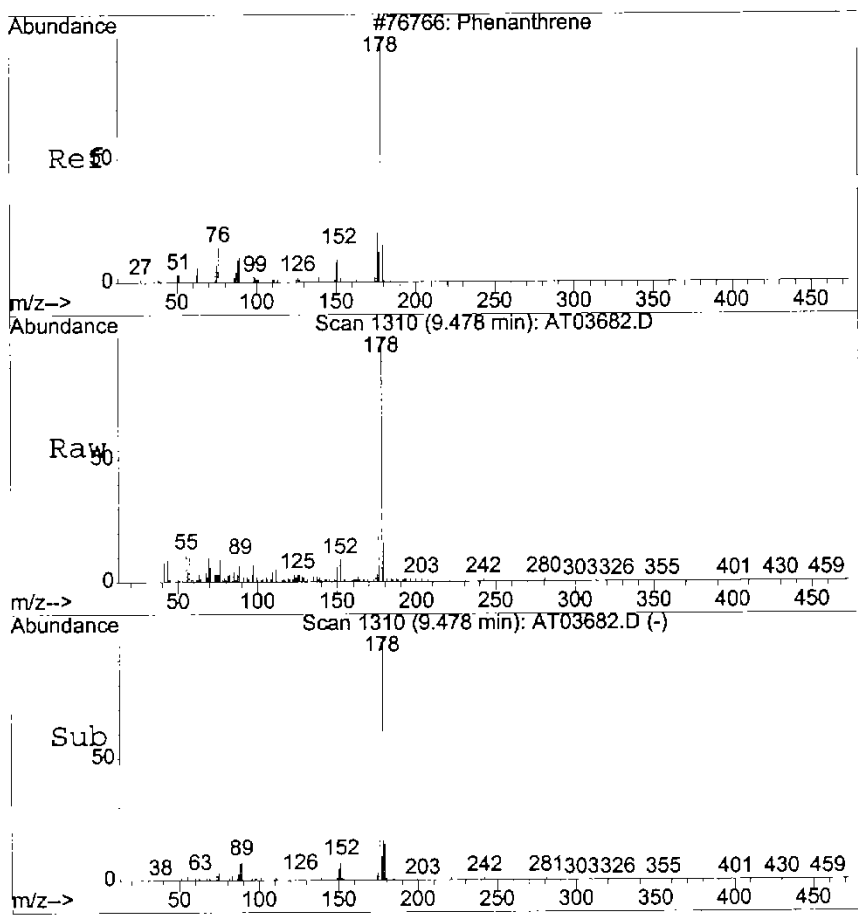


#70
Pentachlorophenol
Concen: 25.11 ug/L
RT: 9.28 min Scan# 1272
Delta R.T. 0.00 min
Lab File: AT03682.D
Acq: 25 Feb 2005 6:10 pm

Tgt Ion:266 Resp: 1978

Ion	Ratio	Lower	Upper
266	100		
167	0.0	0.0	59.5
202	36.8	0.0	48.3

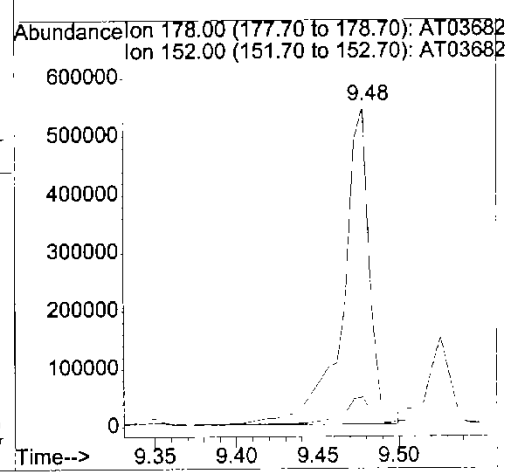


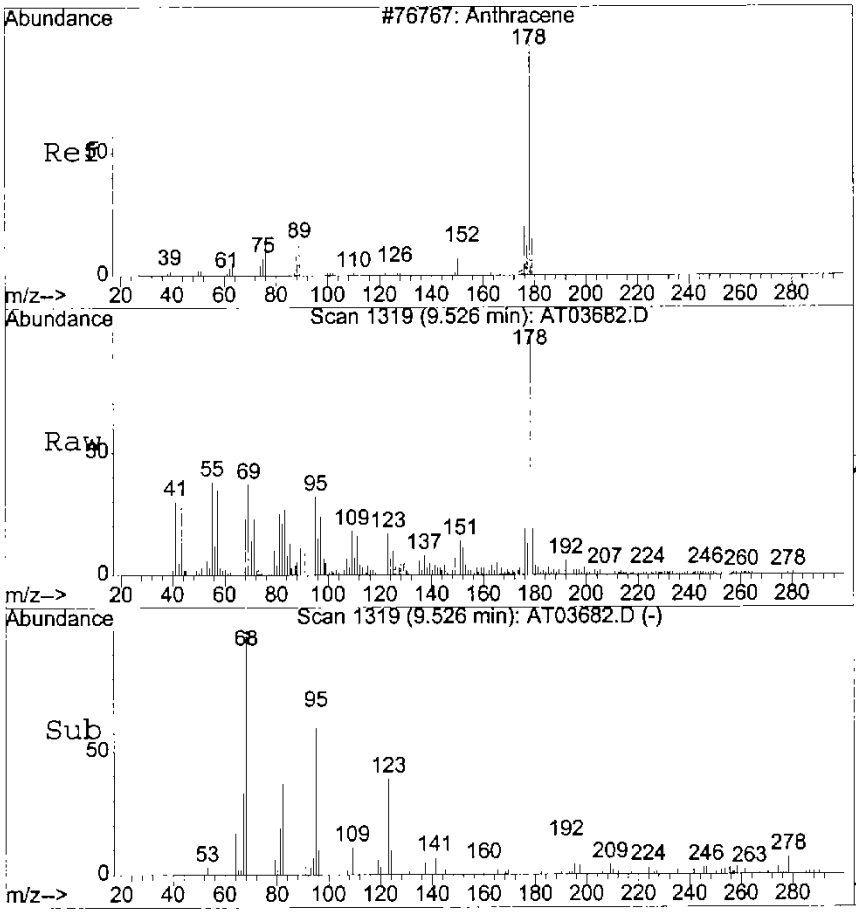


#71
Phenanthrene
Concen: 886.90 ug/L
RT: 9.48 min Scan# 1310
Delta R.T. 0.01 min
Lab File: AT03682.D
Acq: 25 Feb 2005 6:10 pm

Tgt Ion:178 Resp: 631430

Ion	Ratio	Lower	Upper
178	100		
152	8.2	0.0	39.1

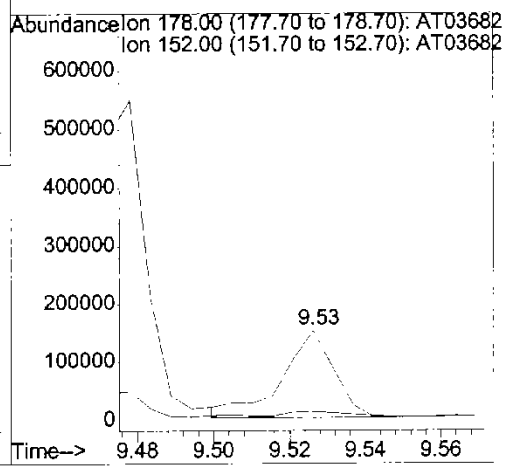


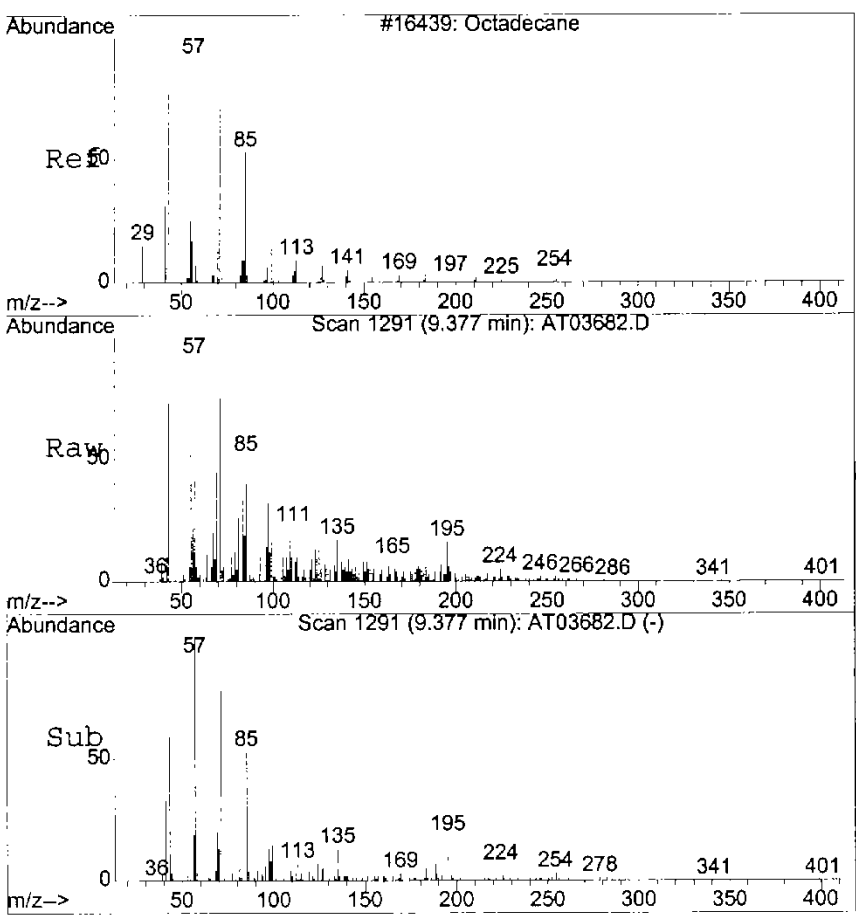


#72
Anthracene
Concen: 217.93 ug/L
RT: 9.53 min Scan# 1319
Delta R.T. 0.01 min
Lab File: AT03682.D
Acq: 25 Feb 2005 6:10 pm

Tgt Ion:178 Resp: 140720

Ion	Ratio	Lower	Upper
178	100		
152	5.6	0.0	37.3

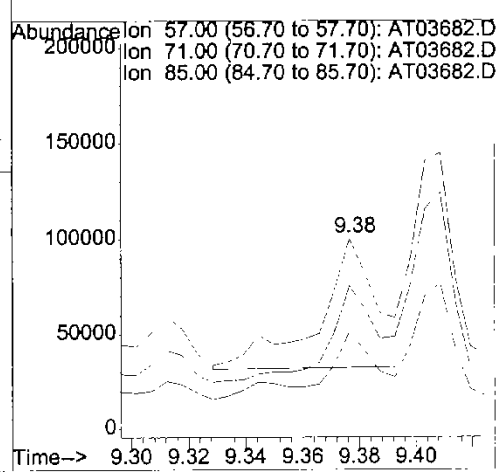


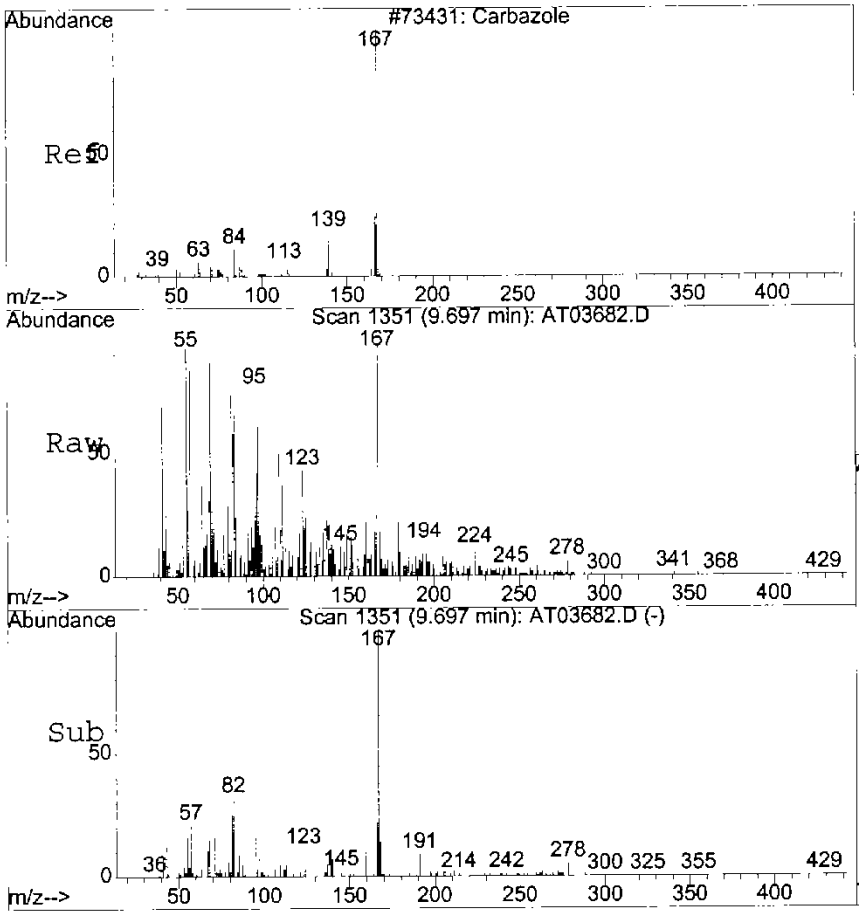


#73
Octadecane
Concen: 466.64 ul/L
RT: 9.38 min Scan# 1291
Delta R.T. 0.00 min
Lab File: AT03682.D
Acq: 25 Feb 2005 6:10 pm

Tgt Ion: 57 Resp: 96412

Ion	Ratio	Lower	Upper
57	100		
71	62.6	52.7	97.9
85	37.6	37.5	69.7

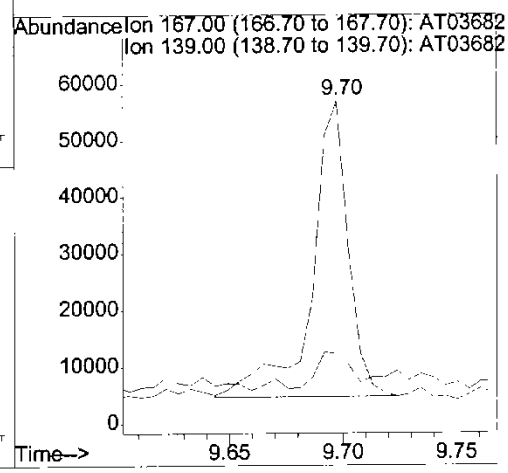


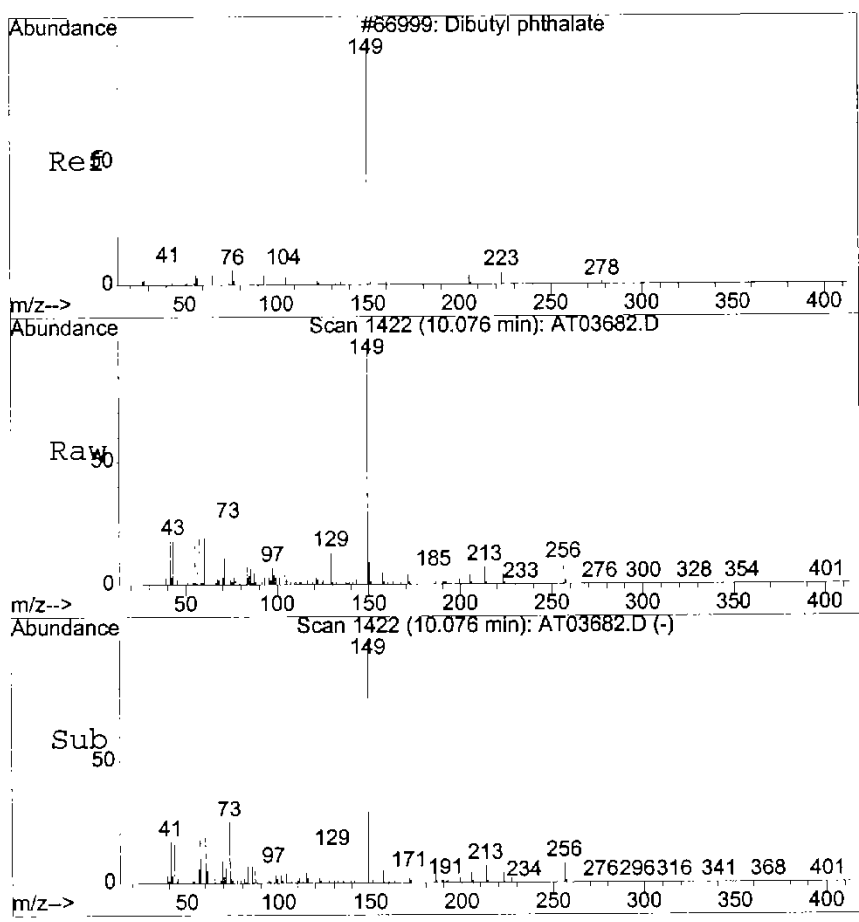


#74
Carbazole
Concen: 133.38 ug/L
RT: 9.70 min Scan# 1351
Delta R.T. 0.01 min
Lab File: AT03682.D
Acq: 25 Feb 2005 6:10 pm

Tgt Ion:167 Resp: 58305

Ion	Ratio	Lower	Upper
167	100		
139	8.3	0.0	41.5

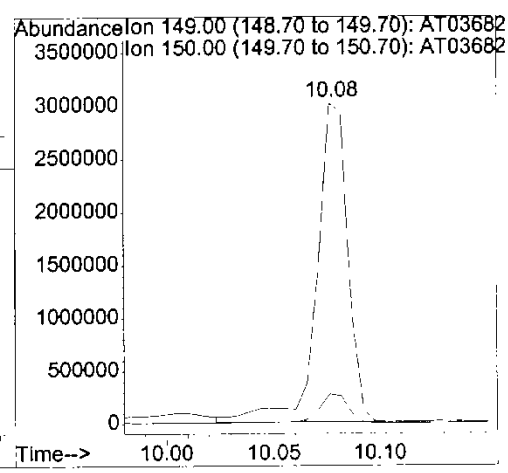


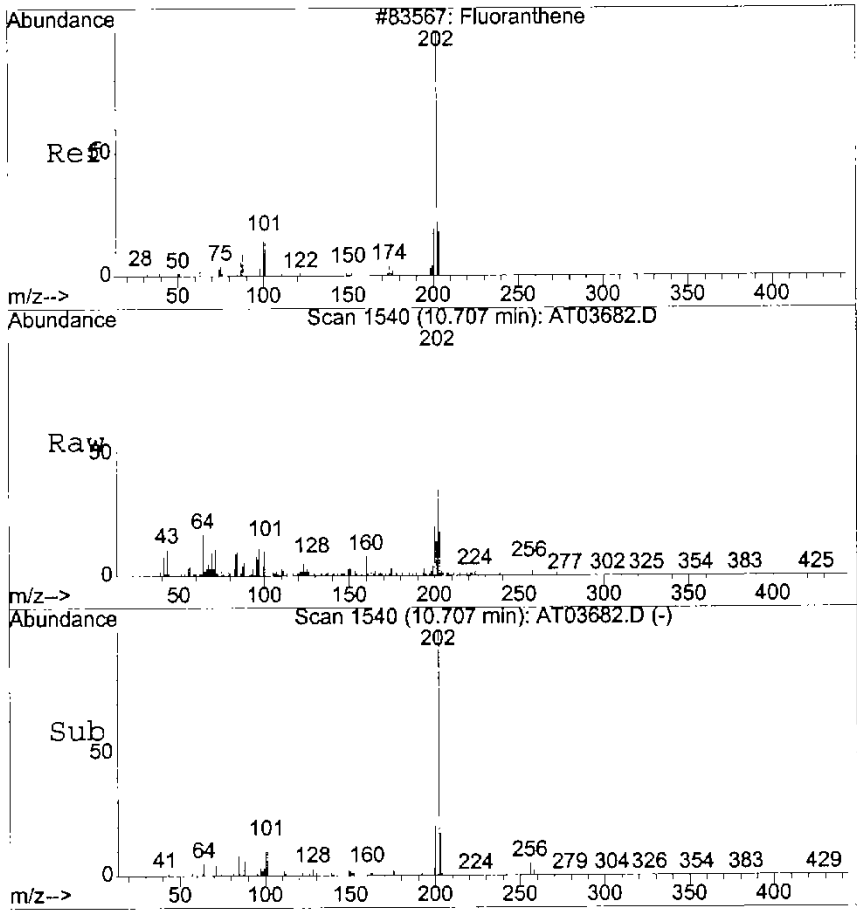


#75
Di-n-butylphthalate
Concen: 4008.92 ug/L
RT: 10.08 min Scan# 1422
Delta R.T. 0.01 min
Lab File: AT03682.D
Acq: 25 Feb 2005 6:10 pm

Tgt Ion:149 Resp: 3068011

Ion	Ratio	Lower	Upper
149	100		
150	9.1	0.0	39.0

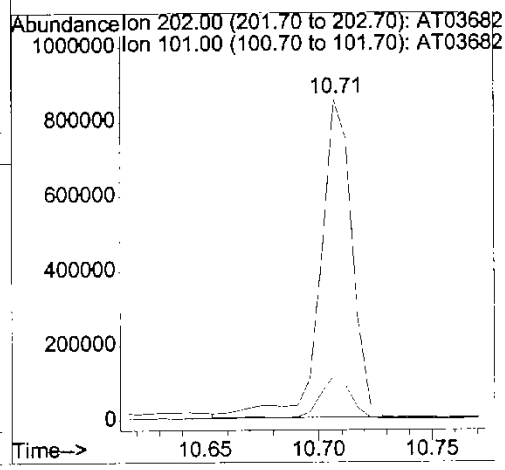


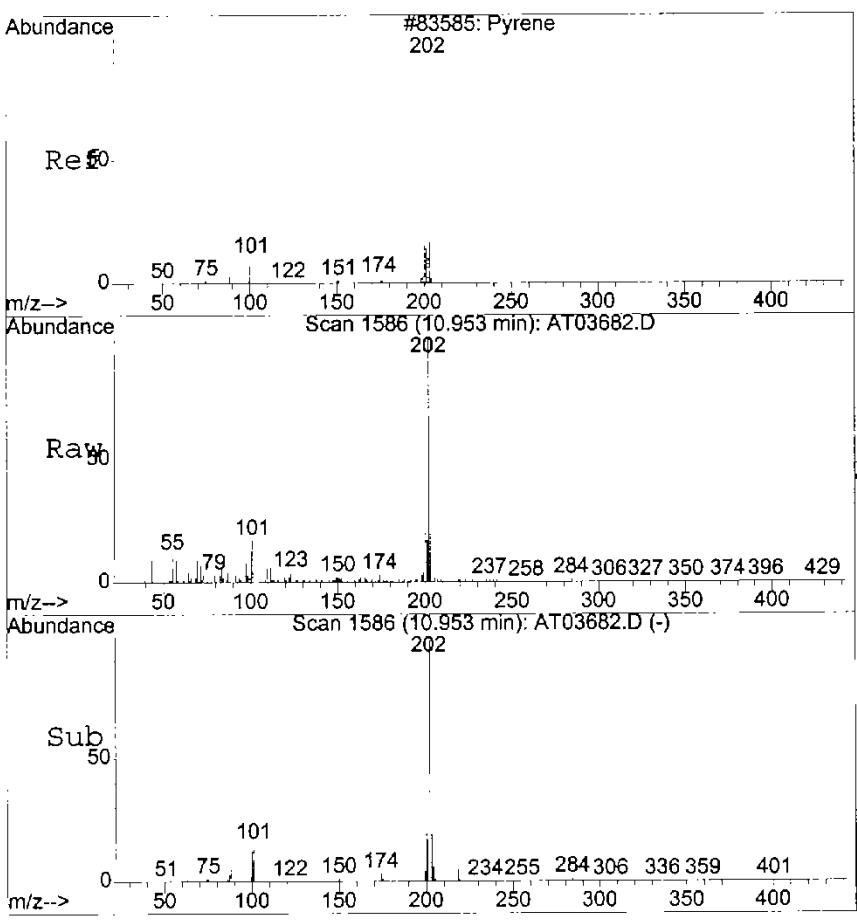


#76
Fluoranthene
Concen: 1152.95 ug/L
RT: 10.71 min Scan# 1540
Delta R.T. 0.01 min
Lab File: AT03682.D
Acq: 25 Feb 2005 6:10 pm

Tgt Ion:202 Resp: 837775

Ion	Ratio	Lower	Upper
202	100		
101	13.7	0.0	43.7

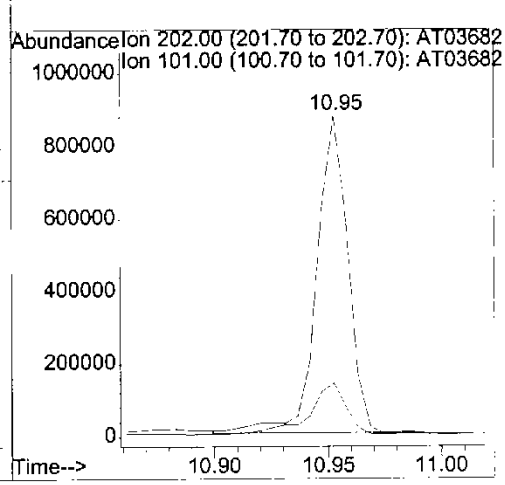


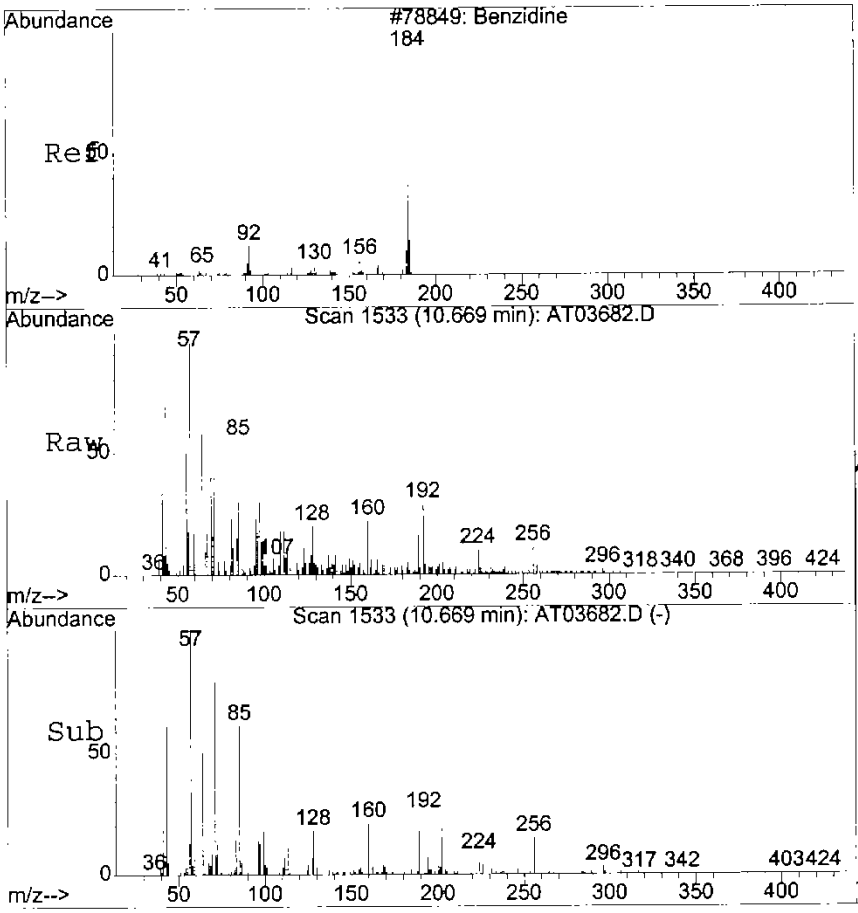


#77
Pyrene
Concen: 1114.26 ug/L
RT: 10.95 min Scan# 1586
Delta R.T. 0.01 min
Lab File: AT03682.D
Acq: 25 Feb 2005 6:10 pm

Tgt Ion:202 Resp: 839798

Ion	Ratio	Lower	Upper
202	100		
101	16.1	0.0	45.3

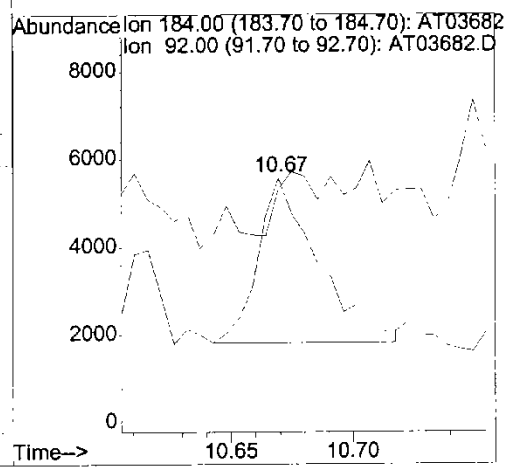


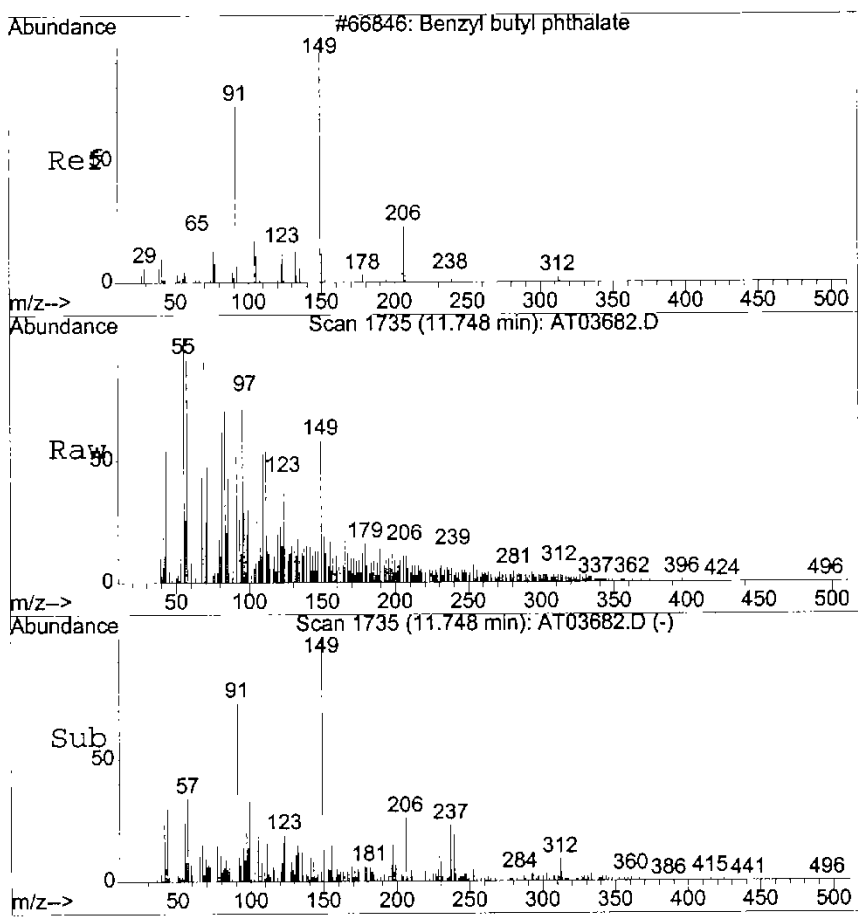


#78
Benzidine
Concen: 61.99 ul/l
RT: 10.67 min Scan# 1533
Delta R.T. -0.21 min
Lab File: AT03682.D
Acq: 25 Feb 2005 6:10 pm

Tgt Ion:184 Resp: 6406

Ion	Ratio	Lower	Upper
184	100		
92	23.2	0.0	38.7

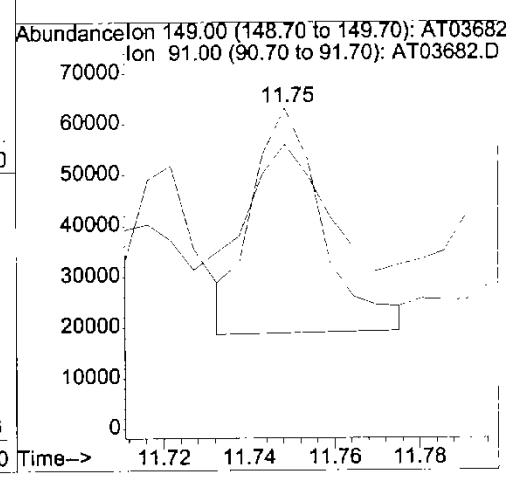


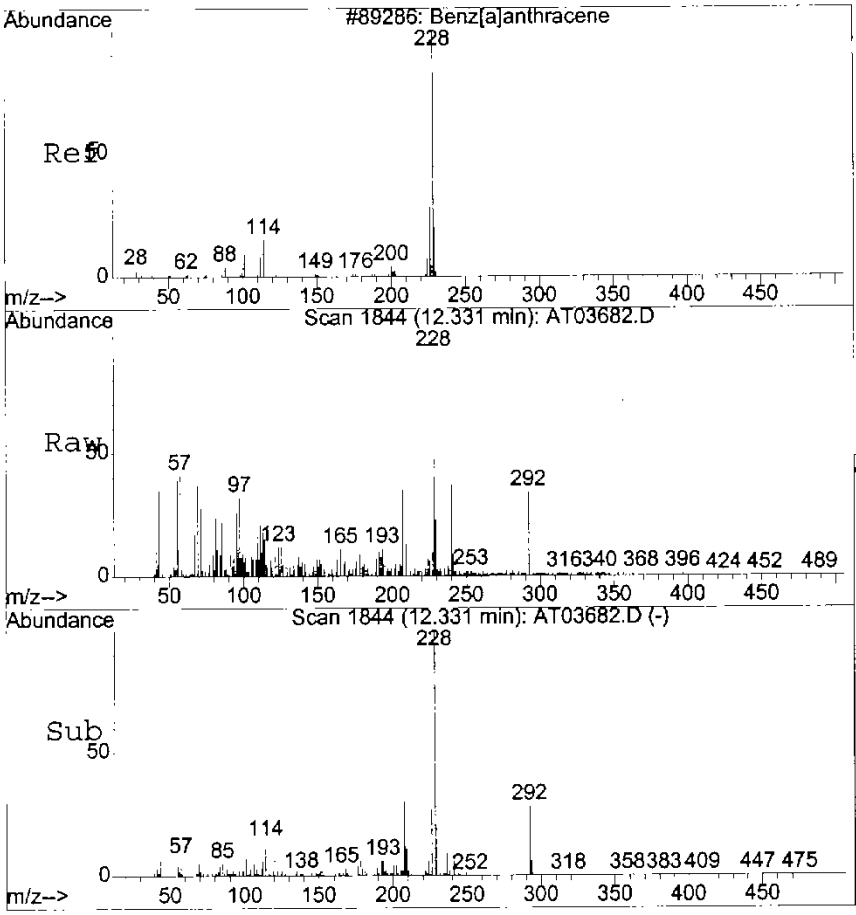


#81
Butylbenzylphthalate
Concen: 220.54 ug/L
RT: 11.75 min Scan# 1735
Delta R.T. 0.01 min
Lab File: AT03682.D
Acq: 25 Feb 2005 6:10 pm

Tgt Ion:149 Resp: 50751

Ion	Ratio	Lower	Upper
149	100		
91	61.3	30.6	90.6

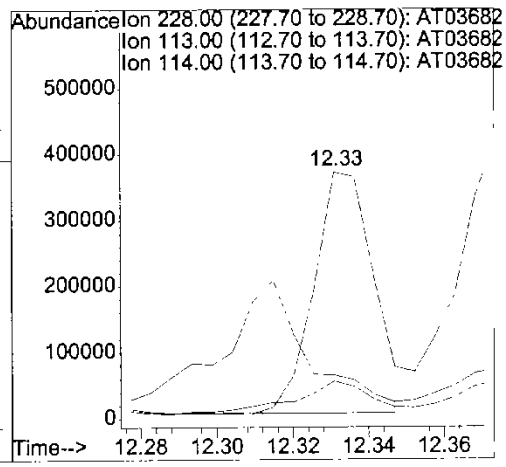


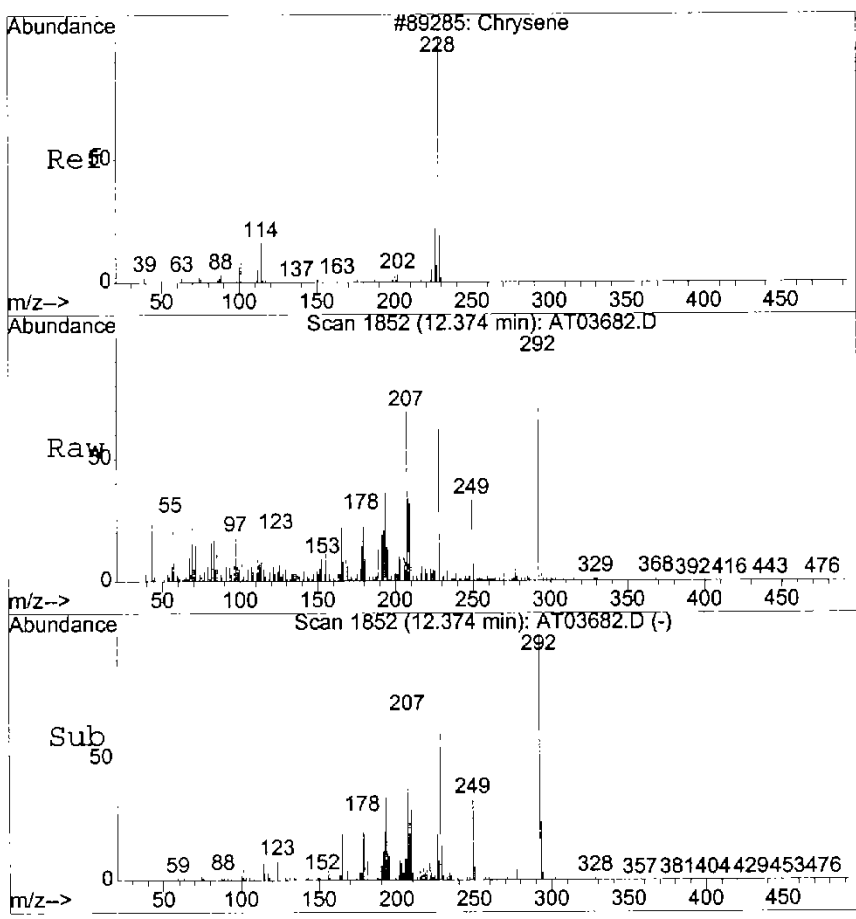


#82
Benzo(a)anthracene
Concen: 595.52 ug/L
RT: 12.33 min Scan# 1844
Delta R.T. 0.01 min
Lab File: AT03682.D
Acq: 25 Feb 2005 6:10 pm

Tgt Ion:228 Resp: 399294

Ion	Ratio	Lower	Upper
228	100		
113	3.9	0.0	41.9
114	12.8	0.0	43.6

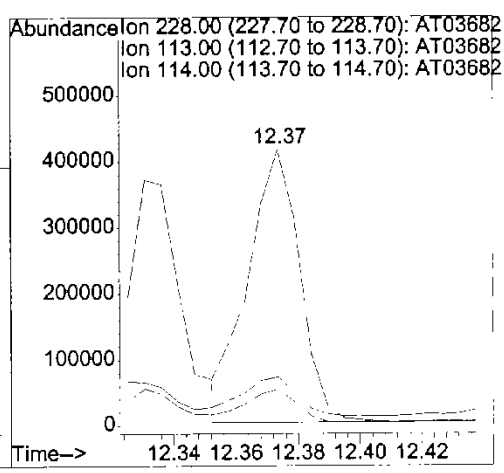


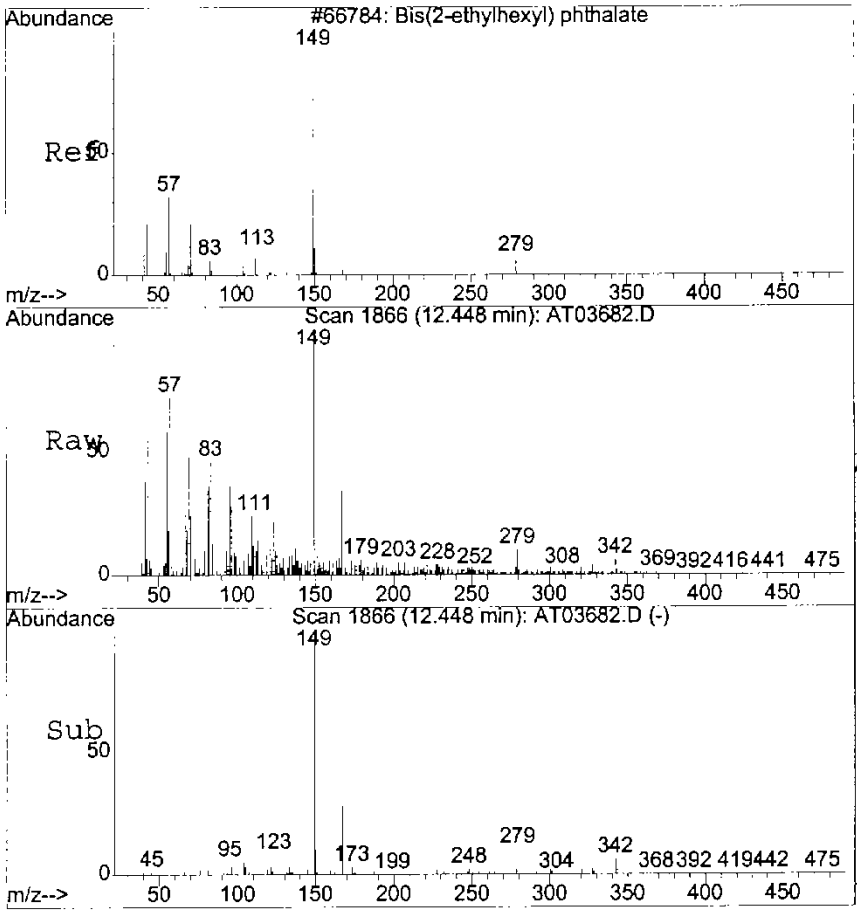


#84
Chrysene
Concen: 685.06 ug/L
RT: 12.37 min Scan# 1852
Delta R.T. 0.01 min
Lab File: AT03682.D
Acq: 25 Feb 2005 6:10 pm

Tgt Ion:228 Resp: 478768

Ion	Ratio	Lower	Upper
228	100		
113	13.9	0.0	41.9
114	11.6	0.0	40.2

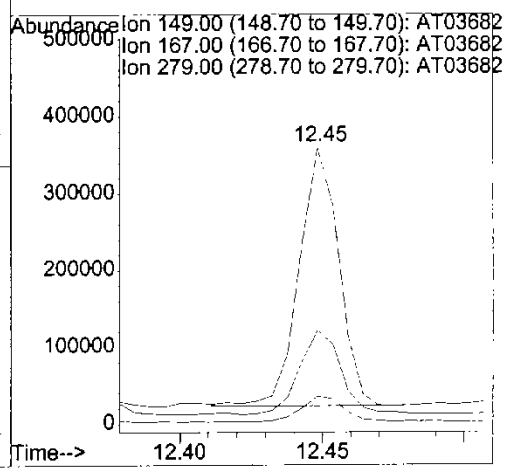


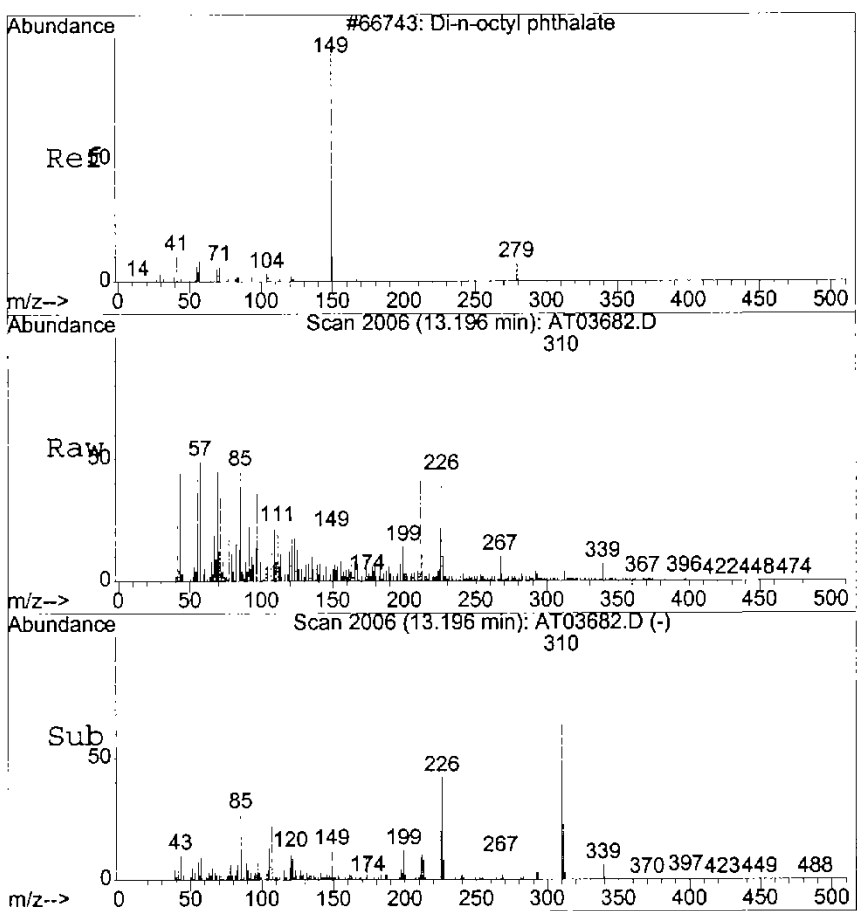


#85
bis(2-Ethylhexyl)phthalate
Concen: 751.77 ug/L
RT: 12.45 min Scan# 1866
Delta R.T. 0.02 min
Lab File: AT03682.D
Acq: 25 Feb 2005 6:10 pm

Tgt Ion:149 Resp: 325551

Ion	Ratio	Lower	Upper
149	100		
167	31.9	2.4	62.4
279	9.8	0.0	39.0

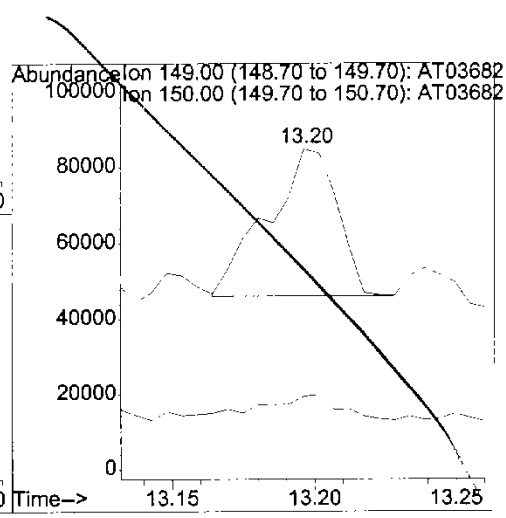


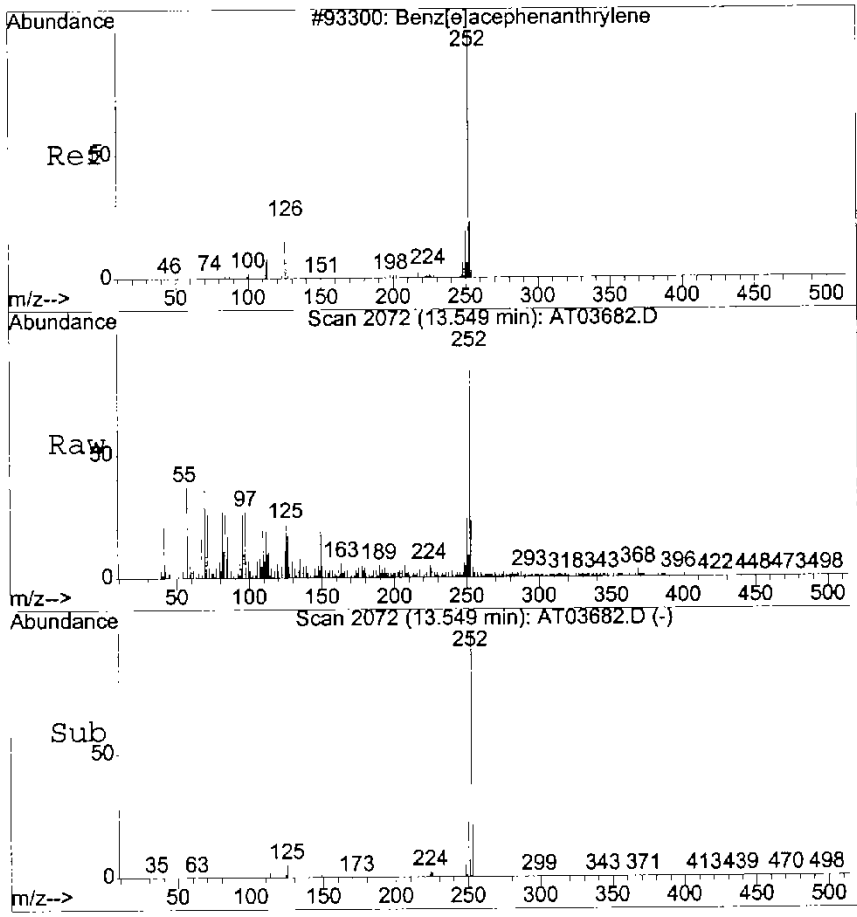


#87
Di-n-octylphthalate
Concen: 95.35 ug/L
RT: 13.20 min Scan# 2006
Delta R.T. 0.05 min
Lab File: AT03682.D
Acq: 25 Feb 2005 6:10 pm

Tgt Ion:149 Resp: 65815

Ion	Ratio	Lower	Upper
149	100		
150	14.2	0.0	39.5

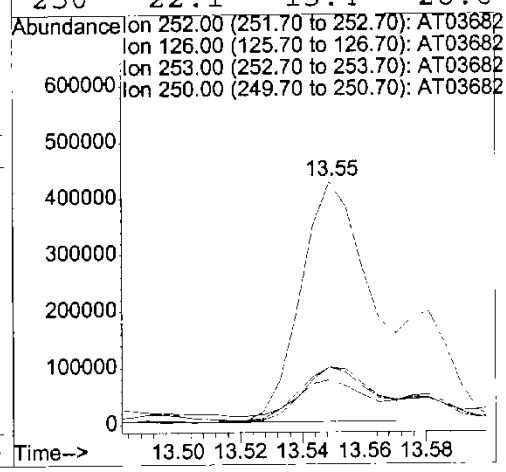


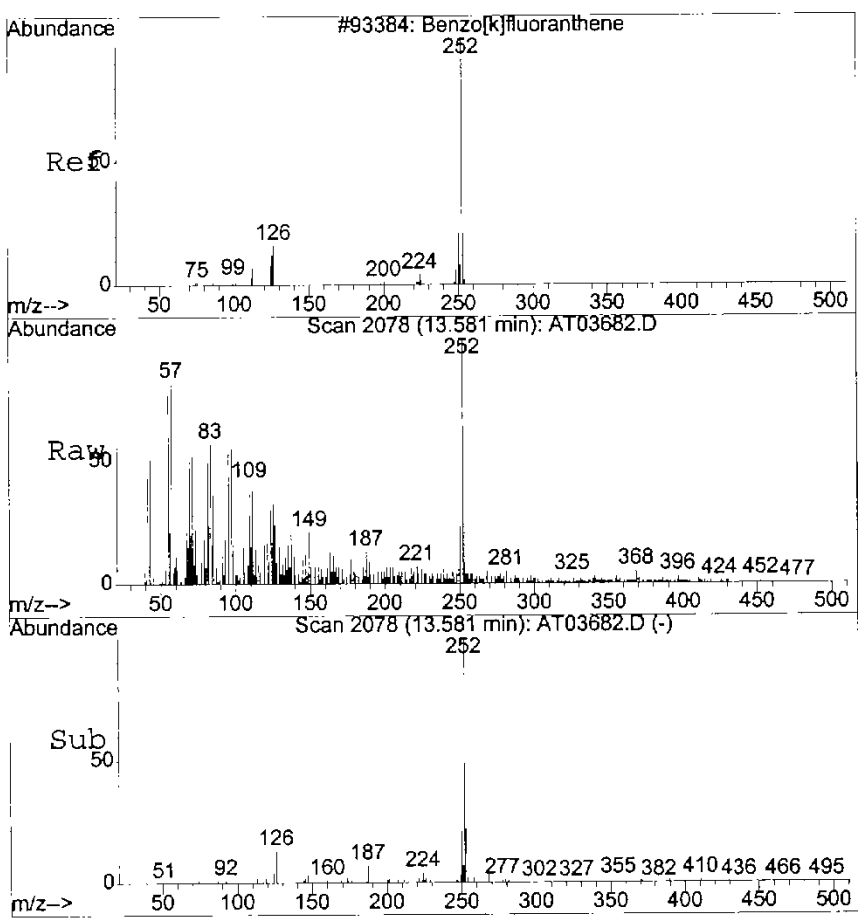


#88
Benzo(b)fluoranthene
Concen: 849.07 ul/l
RT: 13.55 min Scan# 2072
Delta R.T. 0.02 min
Lab File: AT03682.D
Acq: 25 Feb 2005 6:10 pm

Tgt Ion:252 Resp: 653637

Ion	Ratio	Lower	Upper
252	100		
126	14.1	11.5	21.5
253	21.5	15.6	29.0
250	22.1	15.4	28.6

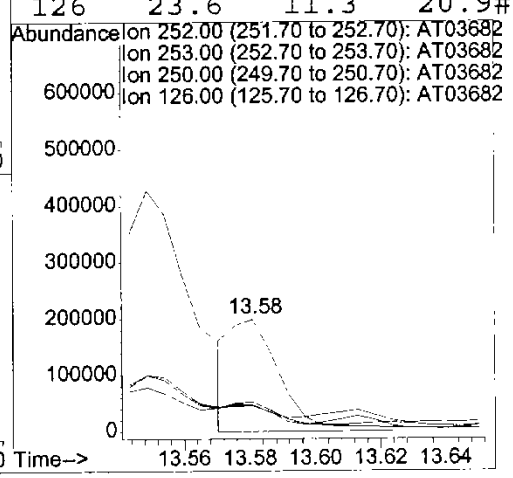


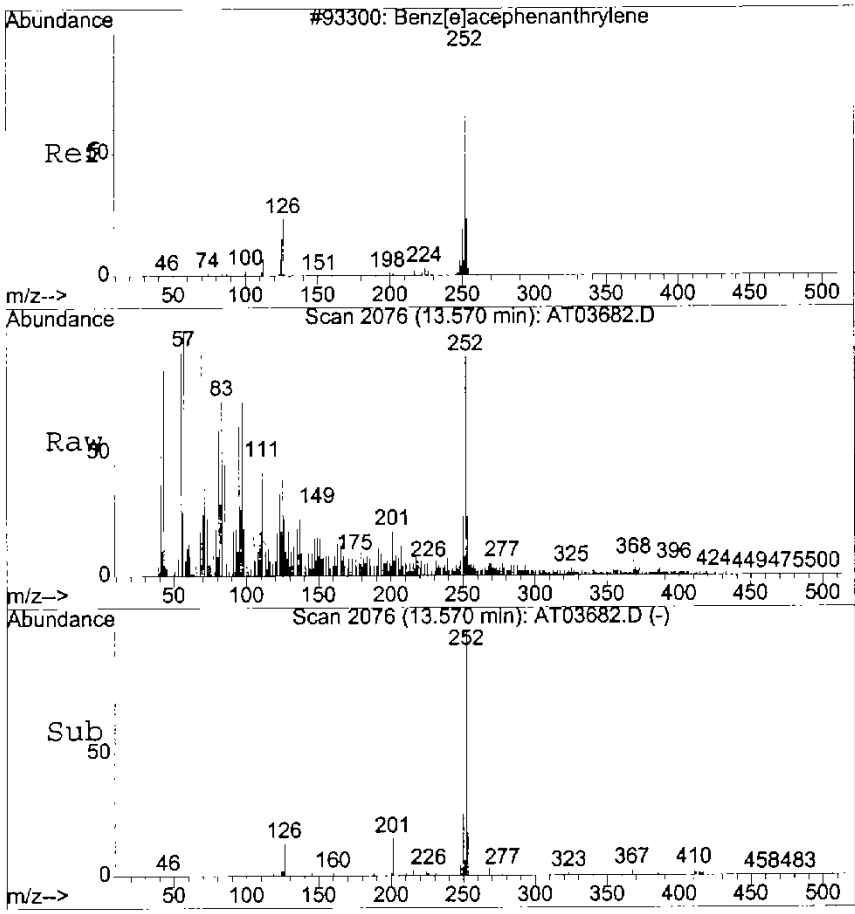


#89
benzo(k)fluoranthene
Concen: 310.97 ul/l m
RT: 13.58 min Scan# 2078
Delta R.T. 0.02 min
Lab File: AT03682.D
Acq: 25 Feb 2005 6:10 pm

Tgt Ion:252 Resp: 212594

Ion	Ratio	Lower	Upper
252	100		
253	26.1	15.2	28.2
250	22.9	15.4	28.6
126	23.6	11.3	20.9#

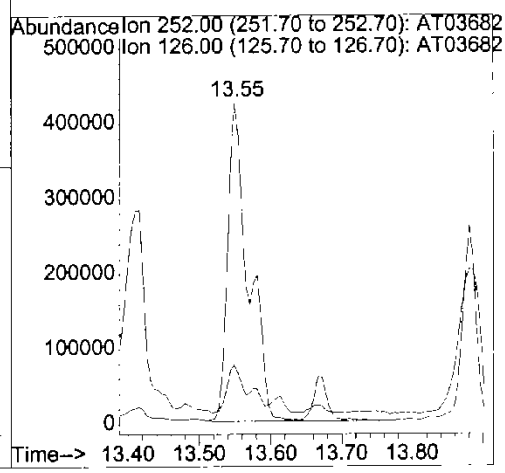


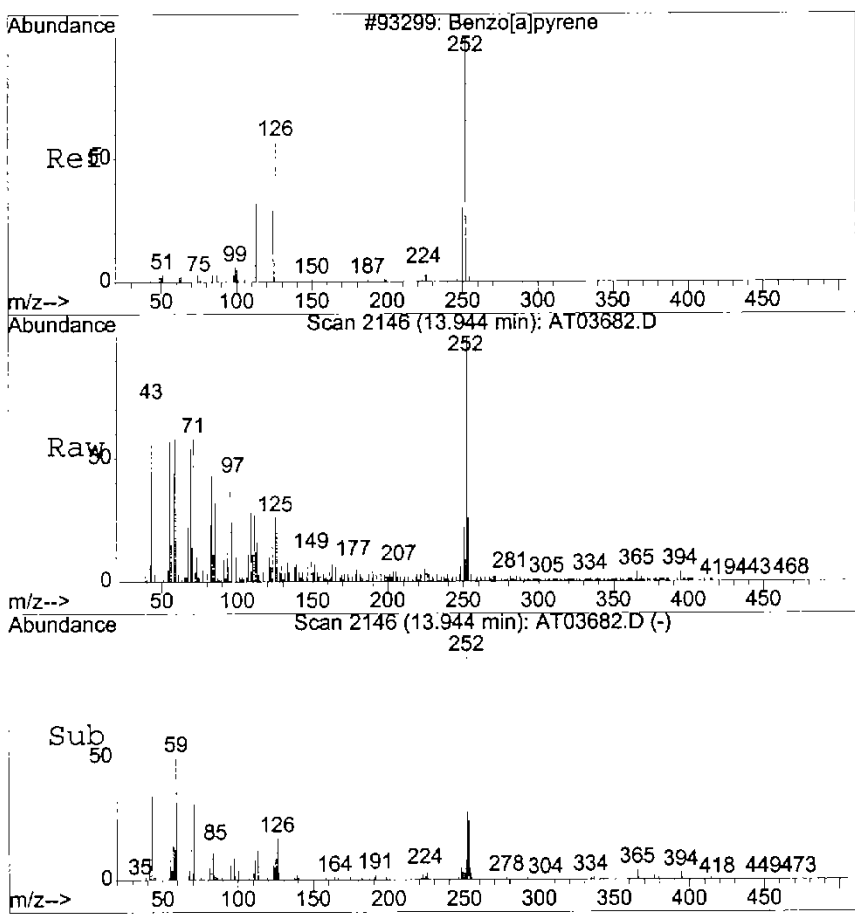


#90
Benzofluoranthenes
Concen: 1356.57 ug/L
RT: 13.57 min Scan# 2076
Delta R.T. 0.02 min
Lab File: AT03682.D
Acq: 25 Feb 2005 6:10 pm

Tgt Ion:252 Resp: 939417

Ion	Ratio	Lower	Upper
252	100		
126	16.8	0.0	50.7

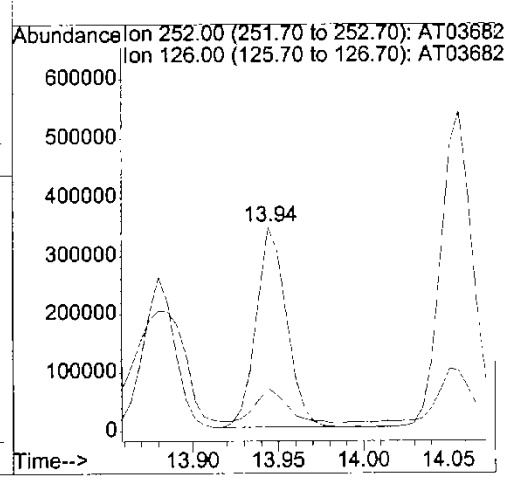


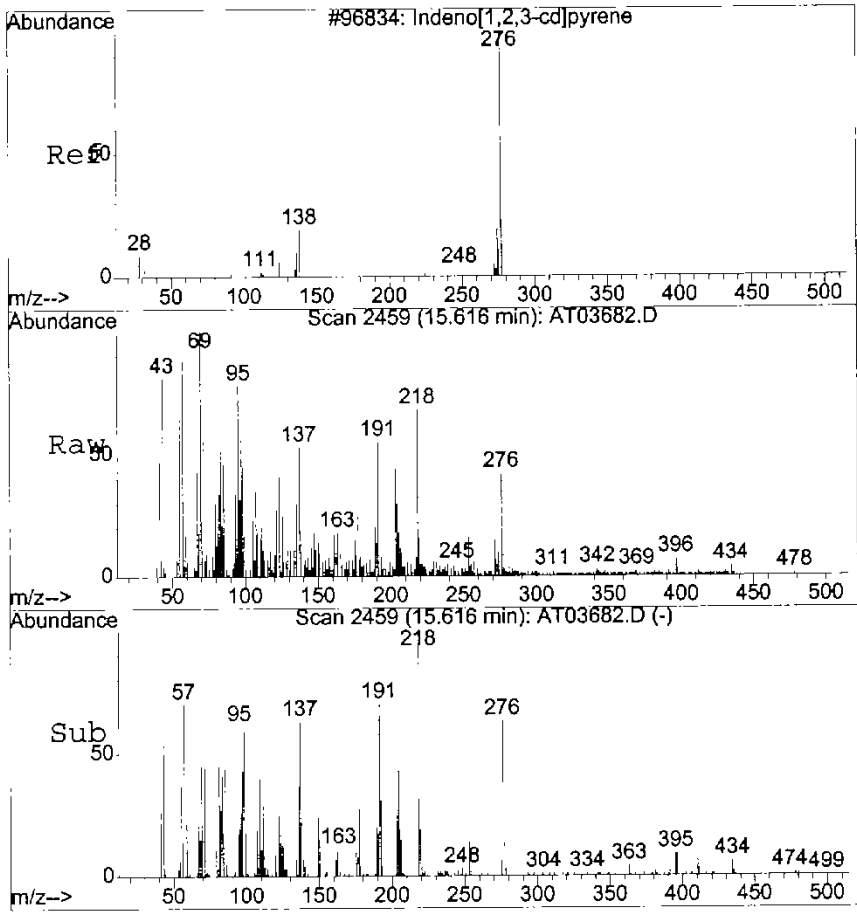


#91
Benzo(a)pyrene
Concen: 713.41 ug/L
RT: 13.95 min Scan# 2146
Delta R.T. 0.02 min
Lab File: AT03682.D
Acq: 25 Feb 2005 6:10 pm

Tgt Ion:252 Resp: 423572

Ion	Ratio	Lower	Upper
252	100		
126	16.2	0.0	44.5

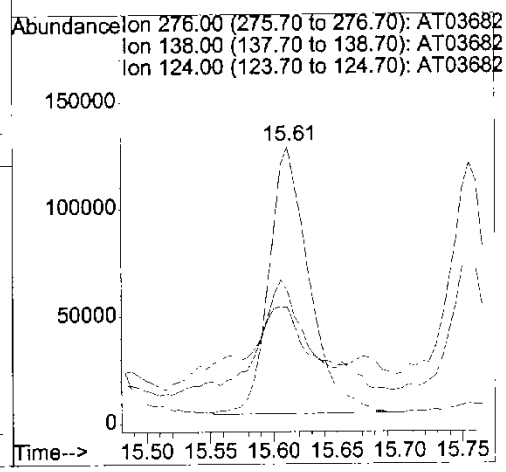


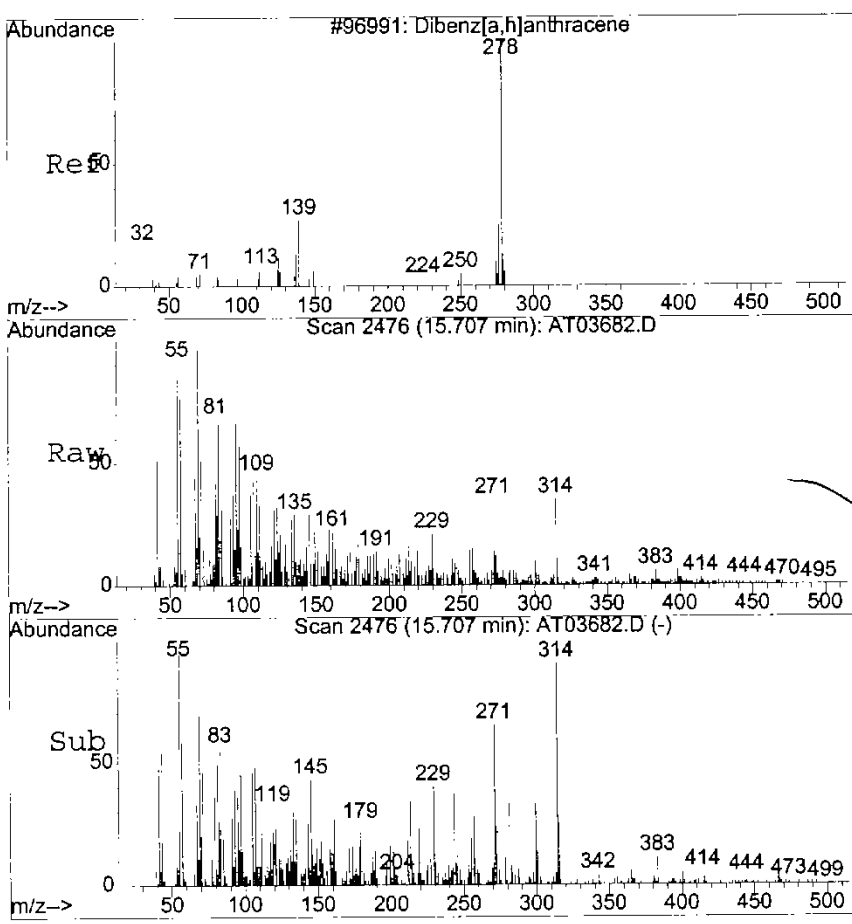


#92
Indeno(1,2,3-cd)pyrene
Concen: 435.28 ug/L
RT: 15.61 min Scan# 2459
Delta R.T. 0.05 min
Lab File: AT03682.D
Acq: 25 Feb 2005 6:10 pm

Tgt Ion:276 Resp: 274671

Ion	Ratio	Lower	Upper
276	100		
138	30.3	0.0	52.0
124	19.0	0.0	35.3

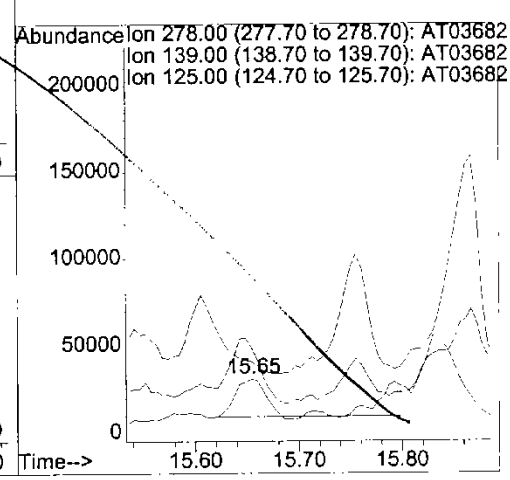


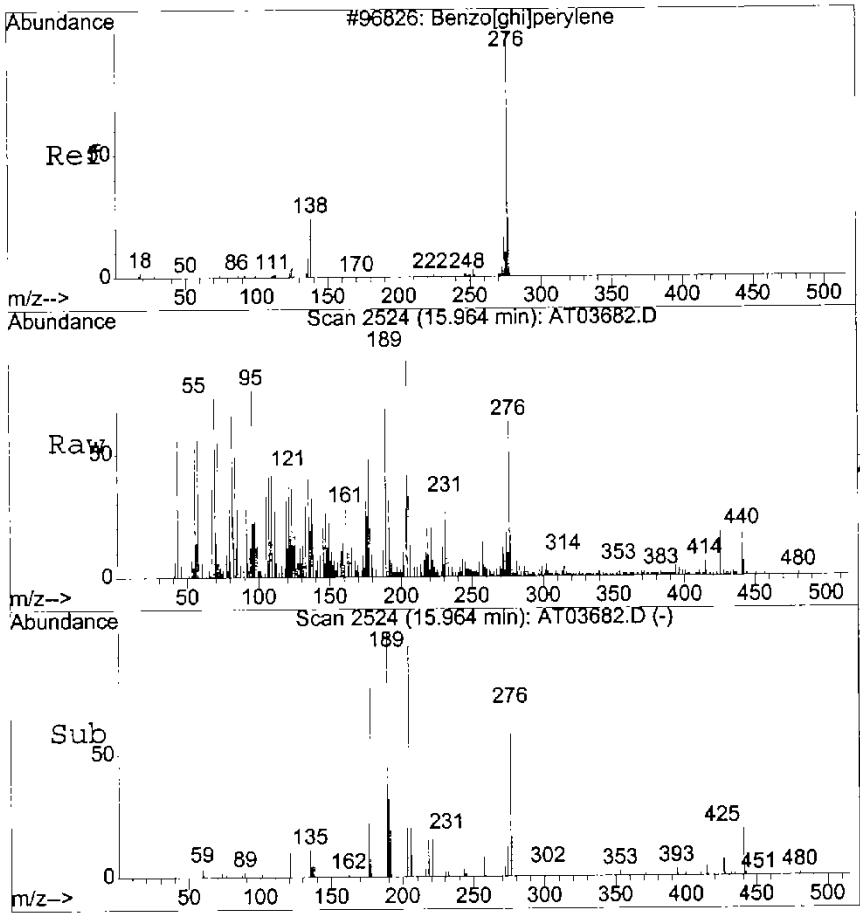


#93
Dibenz(a,h)anthracene
Concen: 119.02 ug/L
RT: 15.71 min Scan# 2476
Delta R.T. 0.10 min
Lab File: AT03682.D
Acq: 25 Feb 2005 6:10 pm

Tgt Ion:278 Resp: 74476

Ion	Ratio	Lower	Upper
278	100		
139	0.0	0.0	46.2
125	0.0	0.0	34.4

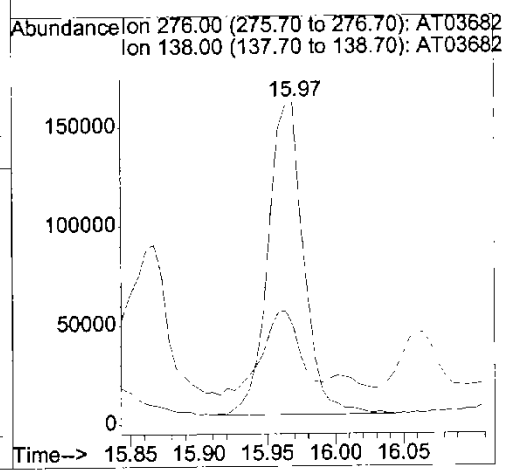




#94
Benzo(g,h,i)perylene
Concen: 432.21 ug/L
RT: 15.96 min Scan# 2524
Delta R.T. 0.06 min
Lab File: AT03682.D
Acq: 25 Feb 2005 6:10 pm

Tgt Ion:276 Resp: 286610

Ion	Ratio	Lower	Upper
276	100		
138	22.9	0.0	53.5

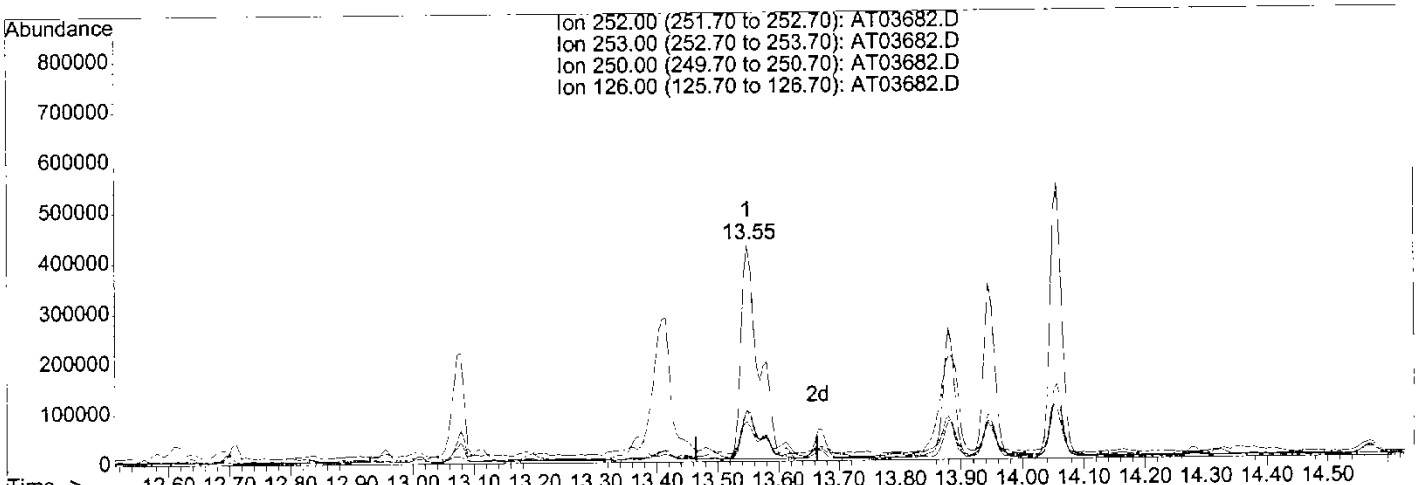


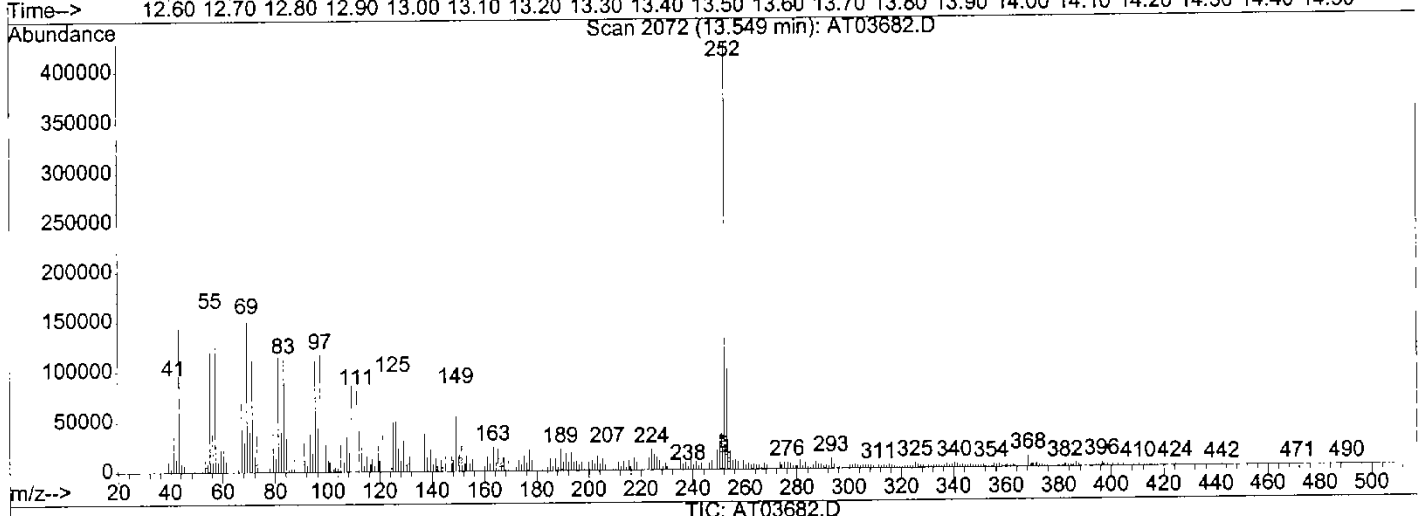
Quantitation Report (Qedit)

Data File : H:\DATA\022505_A\AT03682.D
Acq On : 25 Feb 2005 6:10 pm
Sample : 126377-8 &1
Misc :
MS Integration Params: Rteint.p
Quant Time: Feb 28 10:49 2005

Vial: 23
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: temp.res

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Fri Feb 25 12:17:02 2005
Response via : Multiple Level Calibration





(89) benzo(k)fluoranthene (T)

13.55min 1241.98ul/l

response 849062

Ion	Exp%	Act%
252.00	100	100
253.00	21.70	20.94
250.00	22.00	22.50
126.00	16.10	14.63

RW
3/1/05

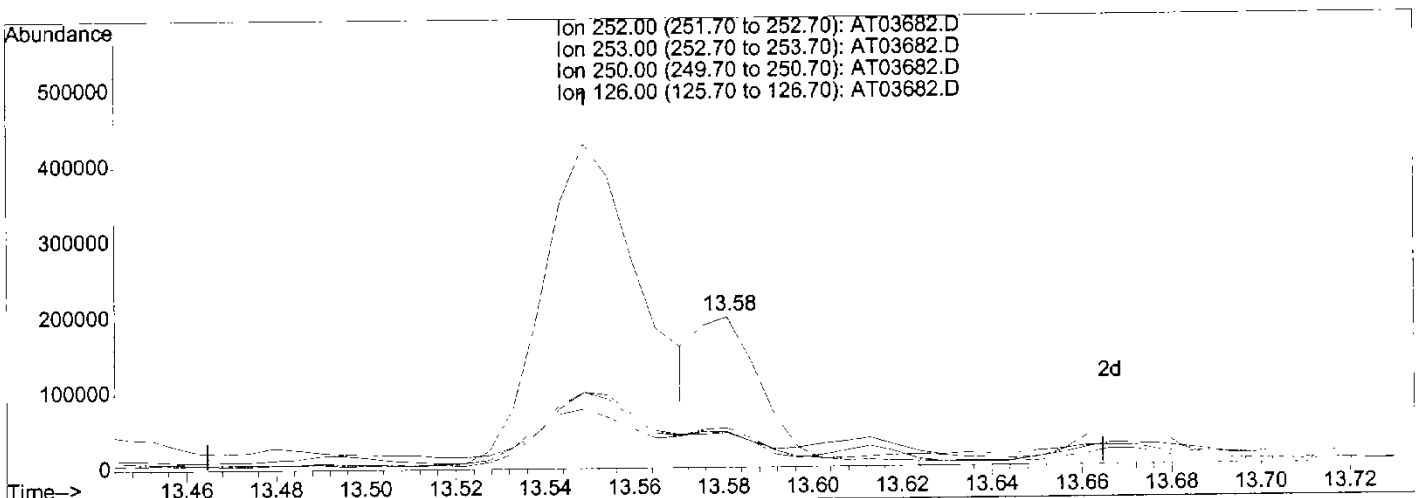
Quantitation Report (Qedit)

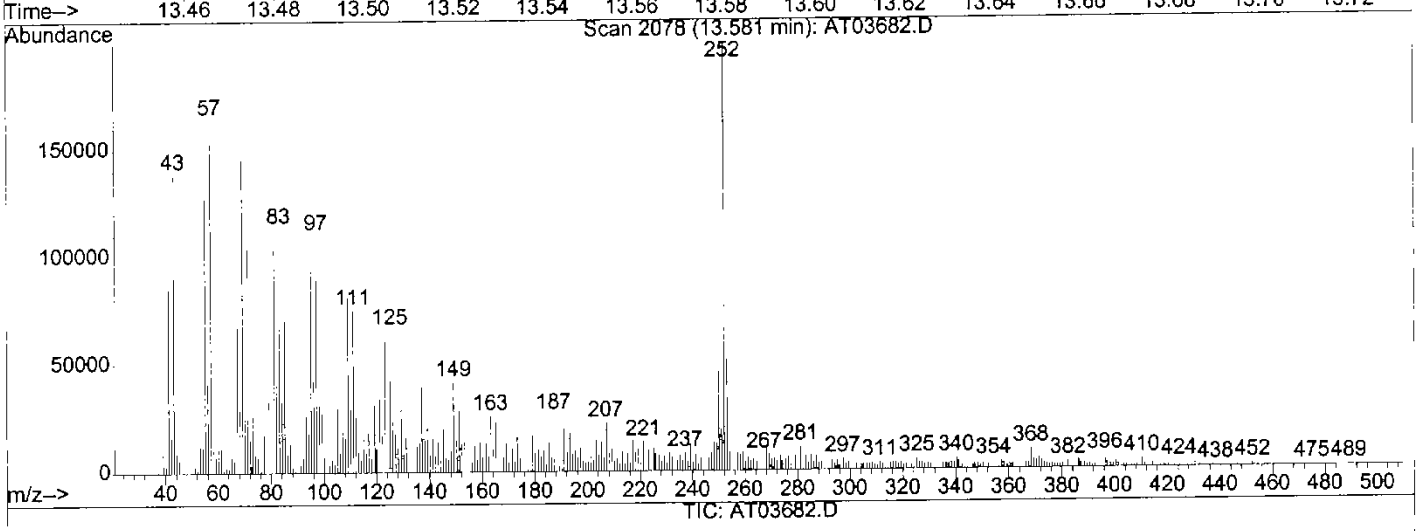
Data File : H:\DATA\022505_A\AT03682.D
Acq On : 25 Feb 2005 6:10 pm
Sample : 126377-8 &1
Misc :
MS Integration Params: Rteint.p
Quant Time: Feb 28 10:48 2005

Vial: 23
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00

Quant Results File: temp.res

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Fri Feb 25 12:17:02 2005
Response via : Multiple Level Calibration





(89) benzo(k)fluoranthene (T)

13.58min 310.97ul/l m

response 212594

Ion	Exp%	Act%
252.00	100	100
253.00	21.70	26.06
250.00	22.00	22.92
126.00	16.10	23.60#

3/1/05

Quantitation Report (QT Reviewed)

Data File : H:\DATA\030105_A\AT03702.D
Acq On : 1 Mar 2005 2:48 pm
Sample : 126377-8 &1 1:5 ss1343
Misc :
MS Integration Params: Rteint.p
Quant Time: Mar 02 06:25:06 2005

Vial: 16
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: 8270_022505.RES

Quant Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Feb 28 14:16:48 2005
Response via : Initial Calibration
DataAcq Meth : 8270

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4 (I)	5.43	152	213611	1000.000 ug/L	0.00
23) Naphthalene - d8 (I)	6.55	136	812909	1000.000 ug/L	0.00
39) Acenaphthene - d10 (I)	8.00	162	417893	1000.000 ug/L	0.00
63) Phenanthrene - d10 (I)	9.31	188	745777	1000.000 ug/L	0.00
80) Chrysene - d12 (I)	12.17	240	747106	1000.000 ul/l	0.00
86) Perylene - d12 (I)	13.79	264	748434	1000.000 ug/L	0.01
System Monitoring Compounds					
4) 2 - Fluorophenol (S)	4.14	112	18150	101.48 ug/L	-0.01
8) Phenol - d5 (S)	5.13	99	29650	147.29 ug/L	0.00
24) Nitrobenzene - d5 (S)	5.94	82	14111	84.66 ug/L	0.00
44) 2 - Fluorobiphenyl (S)	7.46	172	47495	105.33 ug/L	0.00
66) 2,4,6 - Tribromophenol (S)	8.68	330	14051	215.36 ug/L	0.00
79) p - Terphenyl - d14 (S)	11.00	244	83749	185.48 ug/L	0.00
Target Compounds					Qvalue
6) Benzaldehyde	5.04	105	35667	220.530 ul/L	87
9) Phenol	5.15	94	4349	20.262 ug/L	86
12) Decane	5.31	57	2107	9.696 ul/L	81
15) Benzyl alcohol	5.58	79	4473	56.239 ug/L	75
19) 3-&4-Methylphenol	5.83	108	6649	62.975 ug/L	81
26) Isophorone	6.17	82	1971	5.879 ug/L	97
27) 2-Nitrophenol	6.18	139	744	8.016 ug/L	84
30) Benzoic Acid	6.35	105	18067	544.438 ug/L	90
31) 2,4-Dichlorophenol	6.36	162	2116	15.528 ug/L	73
33) Naphthalene	6.56	128	17709	28.226 ug/L	98
37) 2-Methylnaphthalene	7.15	141	4975	14.966 ug/L	93
38) 1-Methylnaphthalene	7.23	141	2908	8.396 ul/l	99
46) Biphenyl	7.54	154	4194	8.953 ul/L	91
47) 2-Nitroaniline	7.69	138	801	28.792 ug/L	83
48) Dimethylphthalate	7.80	163	2711	6.908 ug/L	82
49) Acenaphthylene	7.89	152	7018	12.177 ug/L	96
50) 2,6-Dinitrotoluene	7.78	165	378	29.582 ug/L	67
51) 3-Nitroaniline	7.97	138	593	Below Cal	82
52) Acenaphthene	8.03	153	20948	55.237 ug/L	82
53) 2,4-Dinitrophenol	8.09	184	115	345.877 ug/L	51
55) Dibenzofuran	8.17	168	14655	28.845 ug/L	90
56) 2,4-Dinitrotoluene	8.18	165	229	33.031 ug/L	100
59) Diethylphthalate	8.38	149	25440	61.295 ug/L	95
60) Fluorene	8.46	166	17427	44.571 ug/L	91
70) Pentachlorophenol	9.14	266	533	7.922 ug/L	67
71) Phenanthrene	9.33	178	144012	236.852 ug/L	98

(#) = qualifier out of range (m) = manual integration

00735

Quantitation Report (QT Reviewed)

Data File : H:\DATA\030105_A\AT03702.D
Acq On : 1 Mar 2005 2:48 pm
Sample : 126377-8 &1 1:5 ss1343
Misc :
MS Integration Params: Rteint.p
Quant Time: Mar 02 06:25:06 2005

Vial: 16
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: 8270_022505.RES

Quant Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Feb 28 14:16:48 2005
Response via : Initial Calibration
DataAcq Meth : 8270

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
72)	Anthracene	9.38	178	34782	63.073	ug/L	100
73)	Octadecane	9.24	57	17841	101.111	ul/L	94
74)	Carbazole	9.55	167	15098	40.442	ug/L	85
75)	Di-n-butylphthalate	9.93	149	791430	1210.910	ug/L	99
76)	Fluoranthene	10.55	202	203232	327.493	ug/L	98
77)	Pyrene	10.79	202	202662	314.856	ug/L	93
81)	Butylbenzylphthalate	11.59	149	12558	116.090	ug/L	95
83)	3,3'-Dichlorobenzidine	12.25	252	1221	35.207	ug/L	97
84)	Chrysene	12.20	228	105799	187.025	ug/L	98
85)	bis(2-Ethylhexyl)phthalate	12.29	149	77692	221.644	ug/L	98
87)	Di-n-octylphthalate	12.96	149	4805	8.285	ug/L	69
88)	Benzo(b)fluoranthene	13.35	252	141471	228.082	ul/l	98
89)	benzo(k)fluoranthene	13.38	252	45427m	79.080	ul/l	
90)	Benzofluoranthenes	13.36	252	187086	321.516	ug/L	86
91)	Benzo(a)pyrene	13.72	252	93557	187.527	ug/L	98
92)	Indeno(1,2,3-cd)pyrene	15.32	276	71263	147.758	ug/L	93
93)	Dibenz(a,h)anthracene	15.36	278	17427	42.266	ug/L	71
94)	Benzo(g,h,i)perylene	15.69	276	79281	142.282	ug/L	88

(#) = qualifier out of range (m) = manual integration

00736

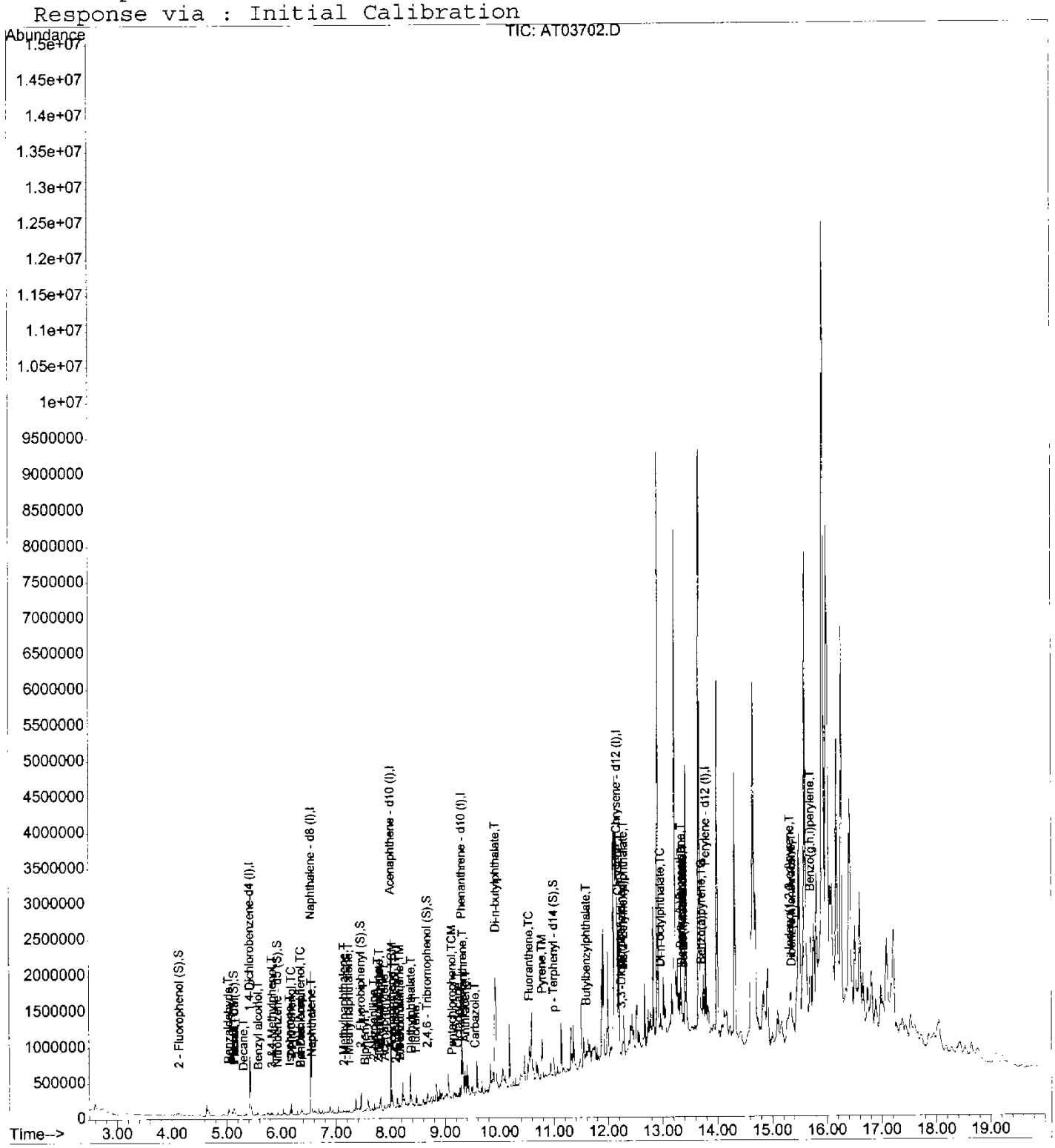
Quantification Report (QT Reviewed)

Data File : H:\DATA\030105_A\AT03702.D
Acq On : 1 Mar 2005 2:48 pm
Sample : 126377-8 &1 1:5 ss1343
Misc :
MS Integration Params: Rteint.p
Quant Time: Mar 2 6:31 2005

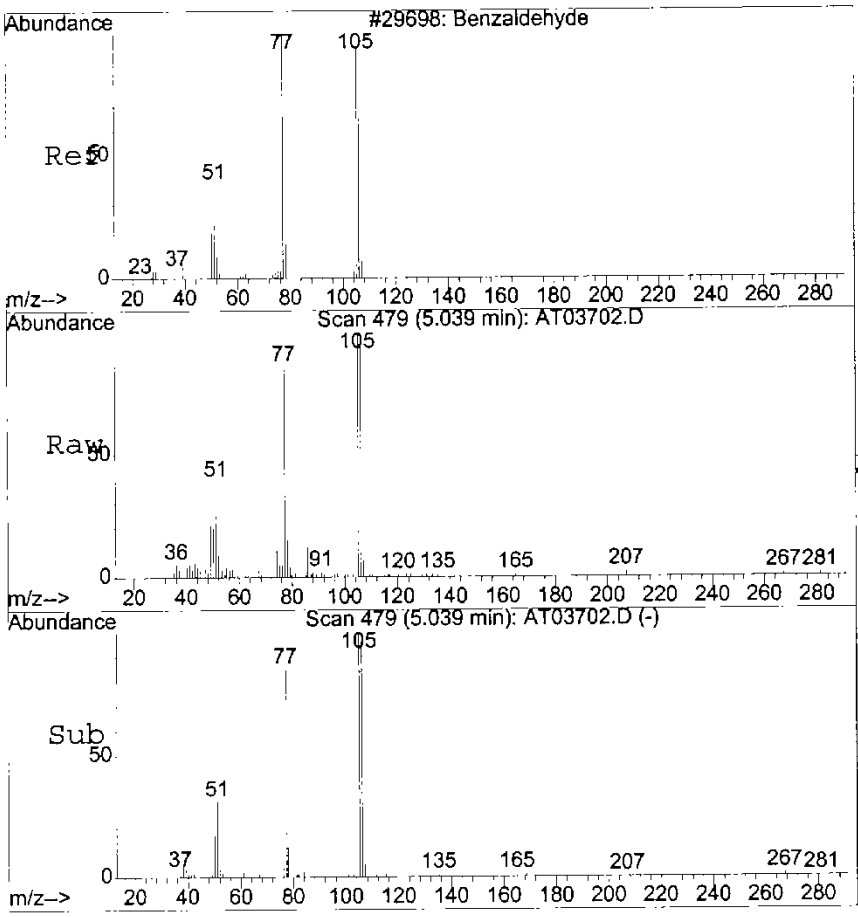
Vial: 16
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00

Quant Results File: 8270_022505.

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Feb 28 14:16:48 2005
Response via : Initial Calibration



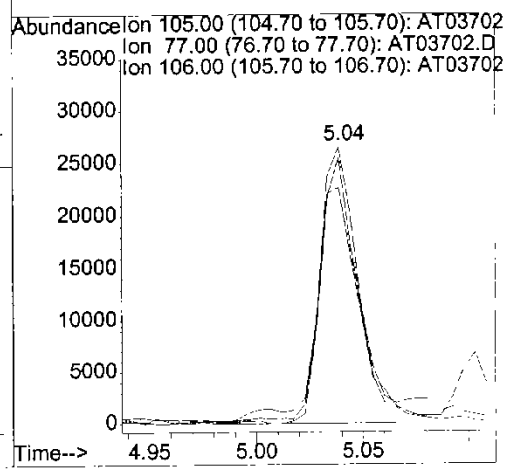
00237

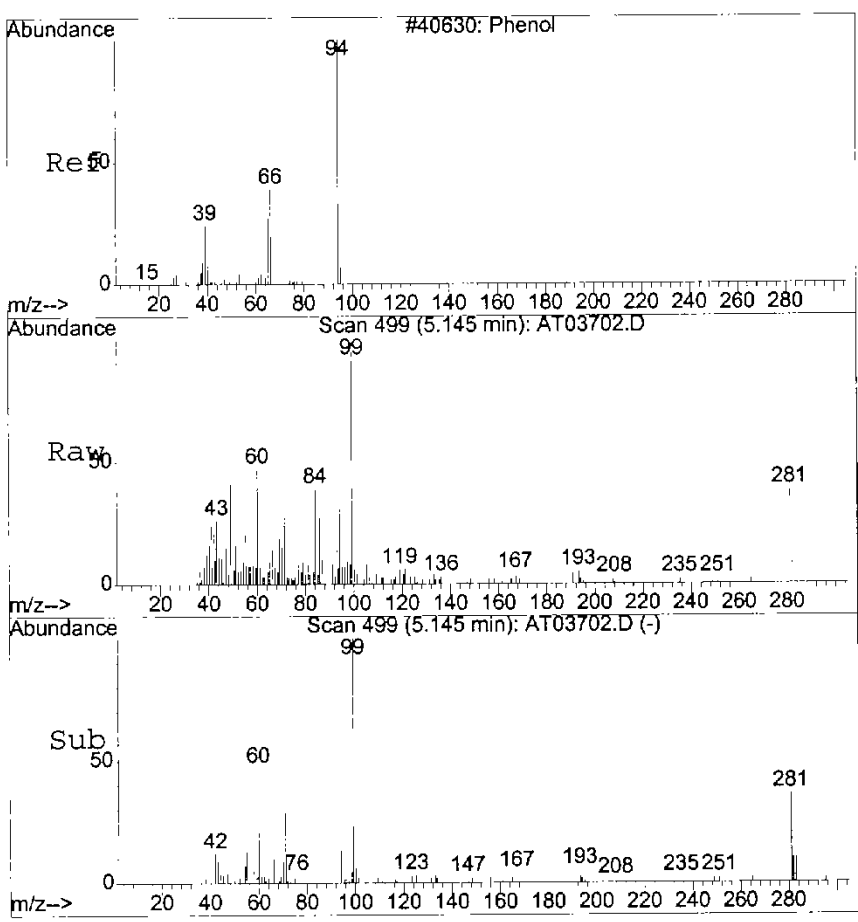


#6
Benzaldehyde
Concen: 220.53 ul/L
RT: 5.04 min Scan# 479
Delta R.T. -0.02 min
Lab File: AT03702.D
Acq: 1 Mar 2005 2:48 pm

Tgt Ion:105 Resp: 35667

Ion	Ratio	Lower	Upper
105	100		
77	84.0	63.9	123.9
106	86.6	72.0	132.0

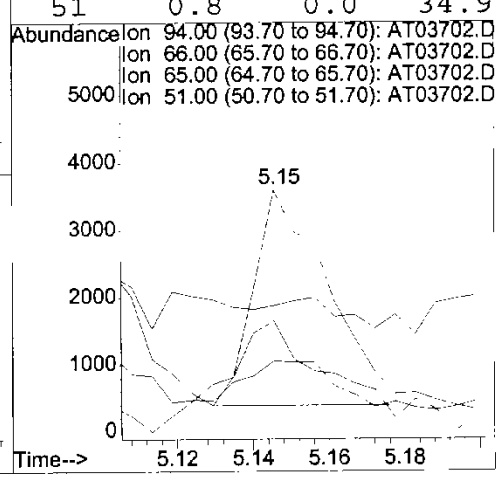


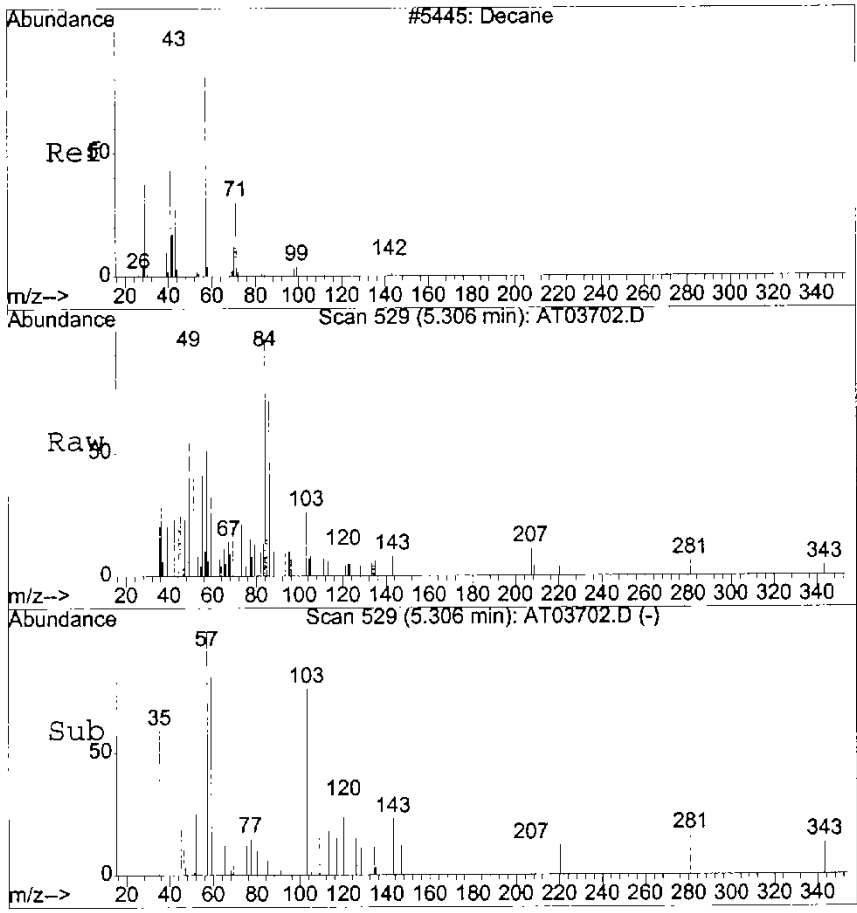


#9
Phenol
Concen: 20.26 ug/L
RT: 5.15 min Scan# 499
Delta R.T. -0.00 min
Lab File: AT03702.D
Acq: 1 Mar 2005 2:48 pm

Tgt Ion: 94 Resp: 4349

Ion	Ratio	Lower	Upper
94	100		
66	38.6	14.1	74.1
65	19.3	1.3	61.3
51	0.8	0.0	34.9

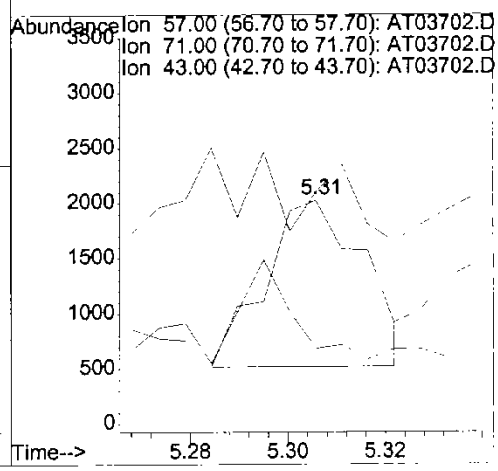


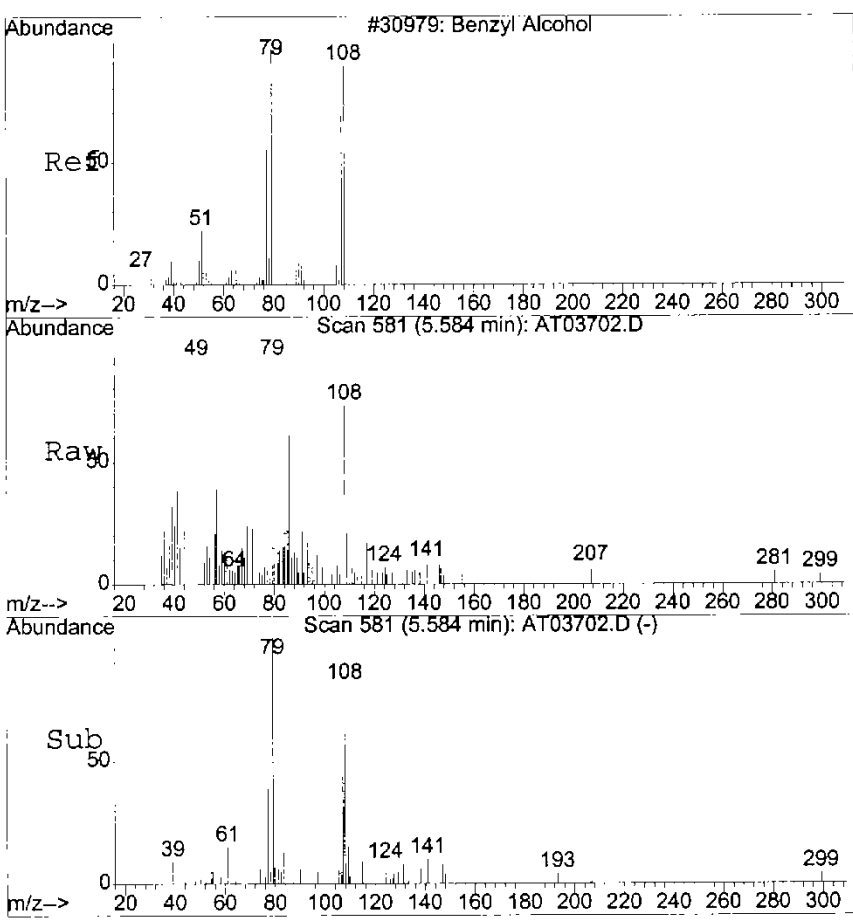


#12
Decane
Concen: 9.70 ul/L
RT: 5.31 min Scan# 529
Delta R.T. 0.00 min
Lab File: AT03702.D
Acq: 1 Mar 2005 2:48 pm

Tgt Ion: 57 Resp: 2107

Ion	Ratio	Lower	Upper
57	100		
71	40.5	13.9	73.9
43	55.0	48.7	108.7

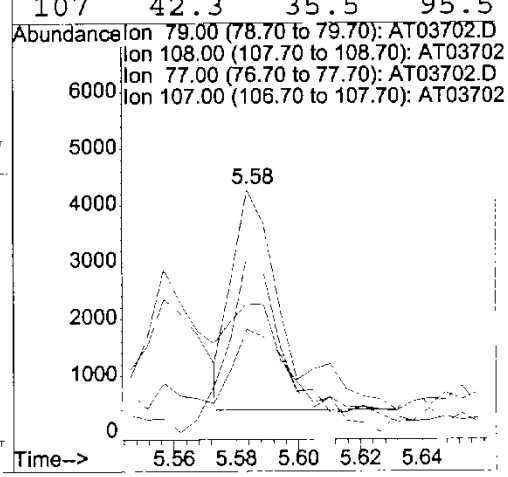


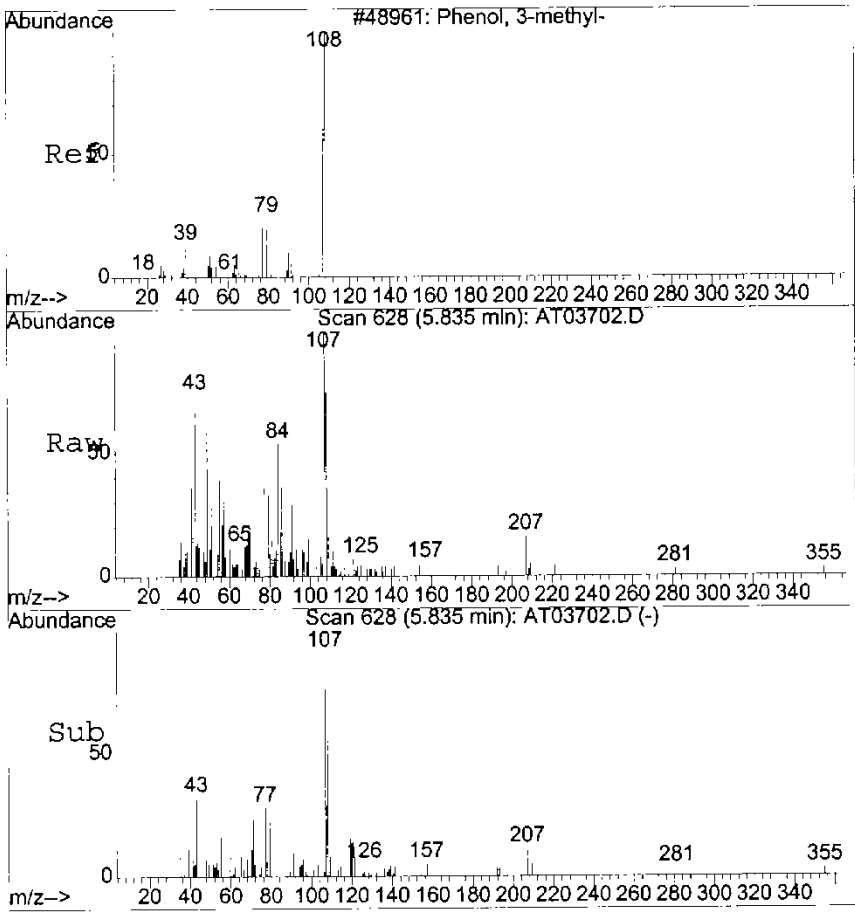


#15
Benzyl alcohol
Concen: 56.24 ug/L
RT: 5.58 min Scan# 581
Delta R.T. 0.02 min
Lab File: AT03702.D
Acq: 1 Mar 2005 2:48 pm

Tgt Ion: 79 Resp: 4473

Ion	Ratio	Lower	Upper
79	100		
108	74.1	62.2	122.2
77	37.5	29.8	89.8
107	42.3	35.5	95.5

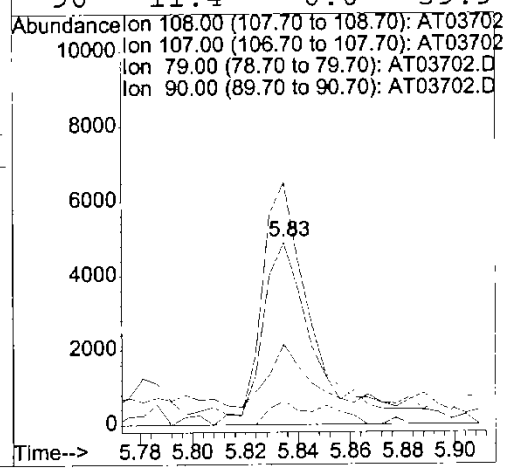


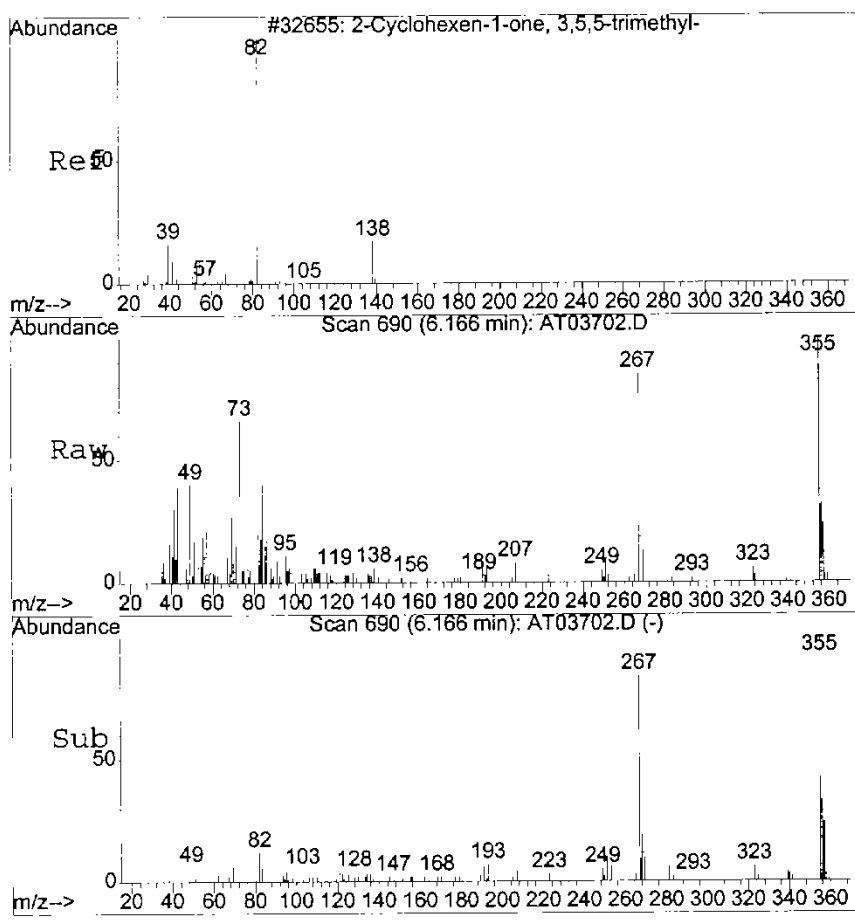


#19
3-&4-Methylphenol
Concen: 62.97 ug/L
RT: 5.83 min Scan# 628
Delta R.T. 0.03 min
Lab File: AT03702.D
Acq: 1 Mar 2005 2:48 pm

Tgt Ion:108 Resp: 6649

Ion	Ratio	Lower	Upper
108	100		
107	128.0	75.6	135.6
79	33.5	0.0	55.6
90	11.4	0.0	39.9

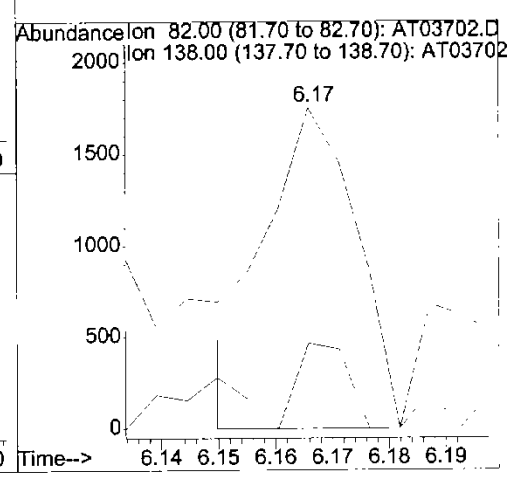


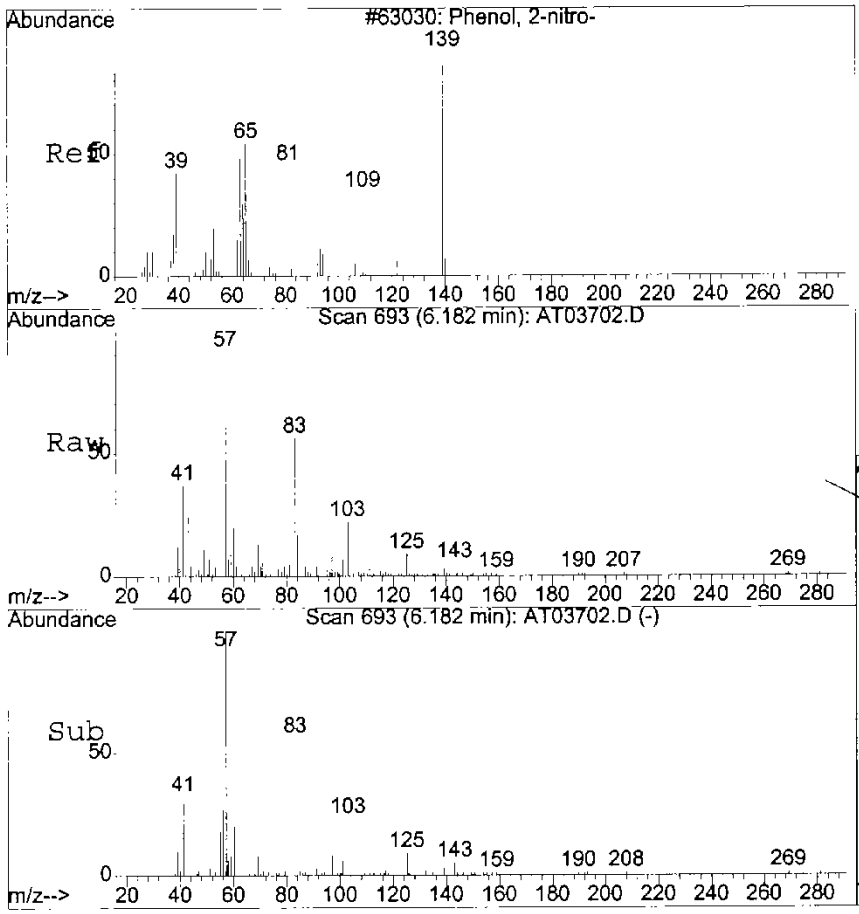


#26
Isophorone
Concen: 5.88 ug/L
RT: 6.17 min Scan# 690
Delta R.T. -0.01 min
Lab File: AT03702.D
Acq: 1 Mar 2005 2:48 pm

Tgt Ion: 82 Resp: 1971

Ion	Ratio	Lower	Upper
82	100		
138	23.1	0.0	51.7

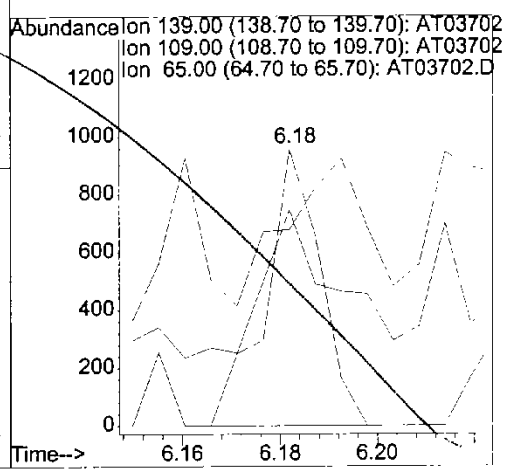


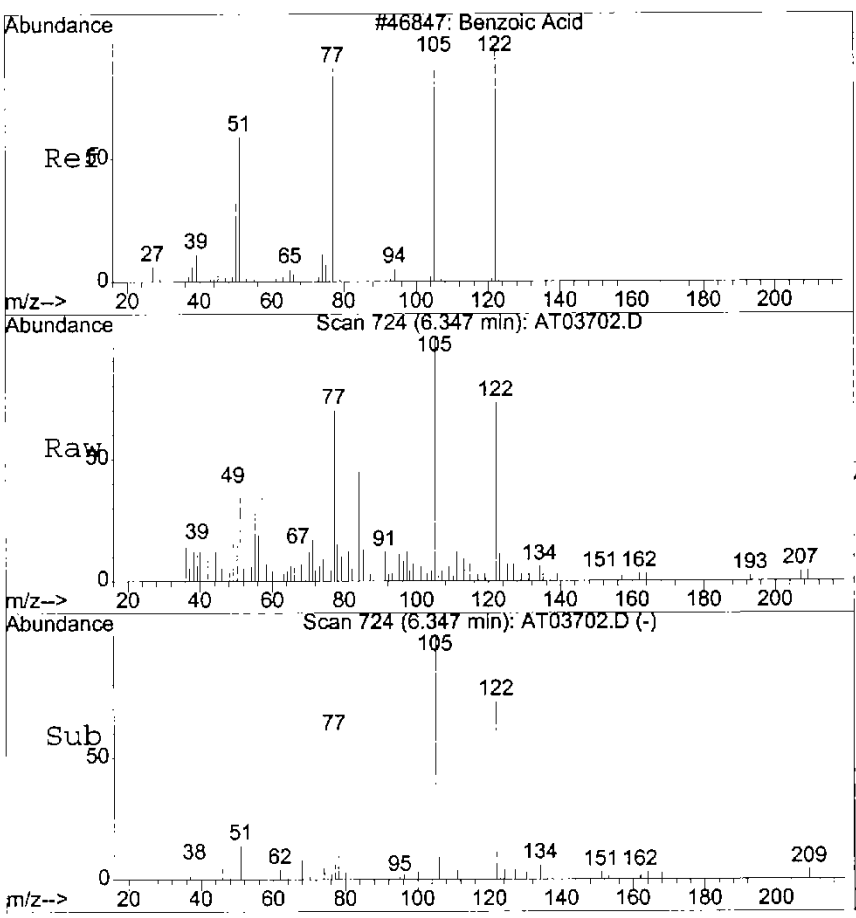


#27
2-Nitrophenol
Concen: 8.02 ug/L
RT: 6.18 min Scan# 693
Delta R.T. -0.05 min
Lab File: AT03702.D
Acq: 1 Mar 2005 2:48 pm

Tgt Ion:139 Resp: 744

Ion	Ratio	Lower	Upper
139	100		
109	19.4	0.0	49.5
65	48.5	4.3	64.3

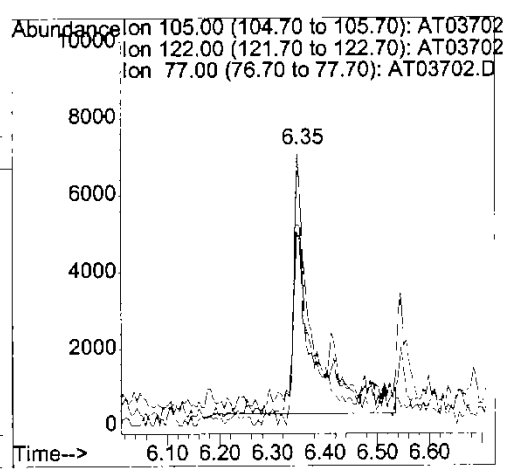




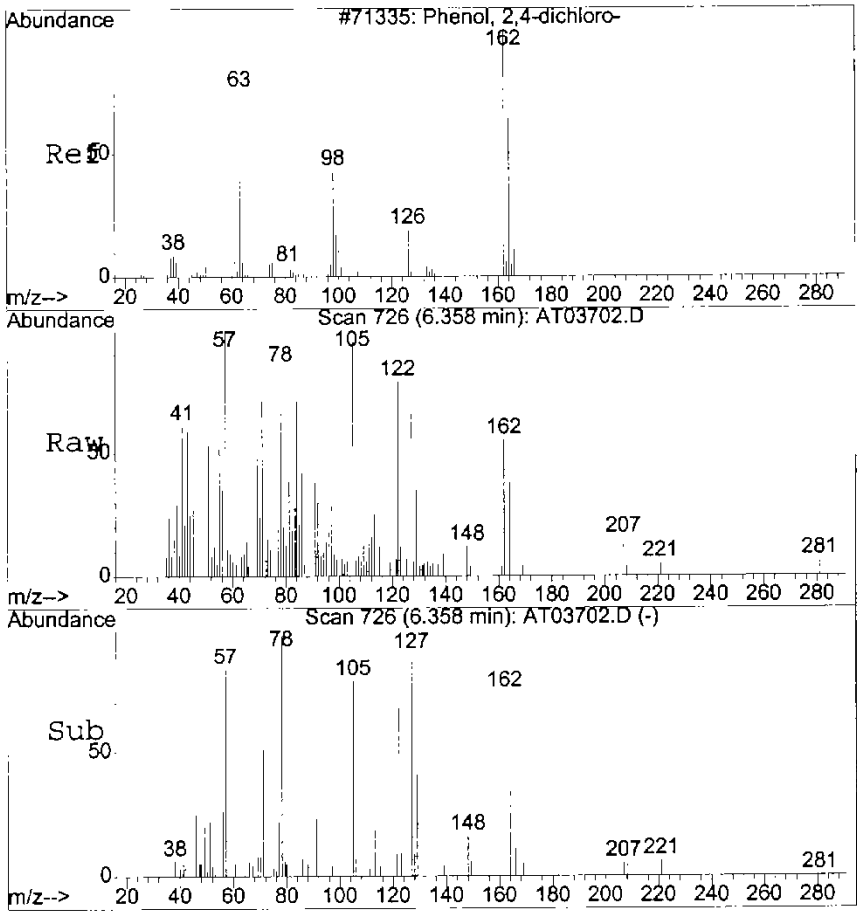
#30
Benzoic Acid
Concen: 544.44 ug/L
RT: 6.35 min Scan# 724
Delta R.T. -0.04 min
Lab File: AT03702.D
Acq: 1 Mar 2005 2:48 pm

Tgt Ion:105 Resp: 18067

Ion	Ratio	Lower	Upper
105	100		
122	74.1	58.0	118.0
77	61.6	34.2	94.2



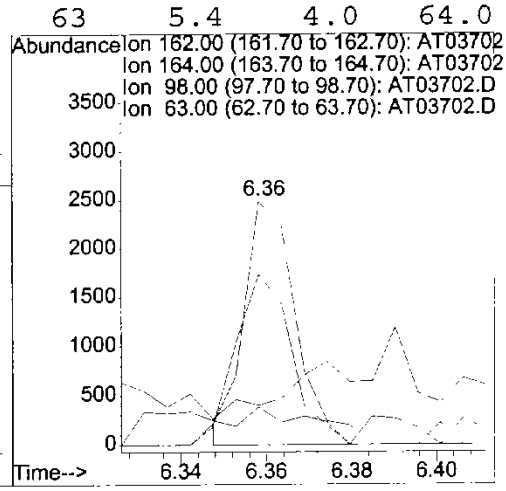
00741

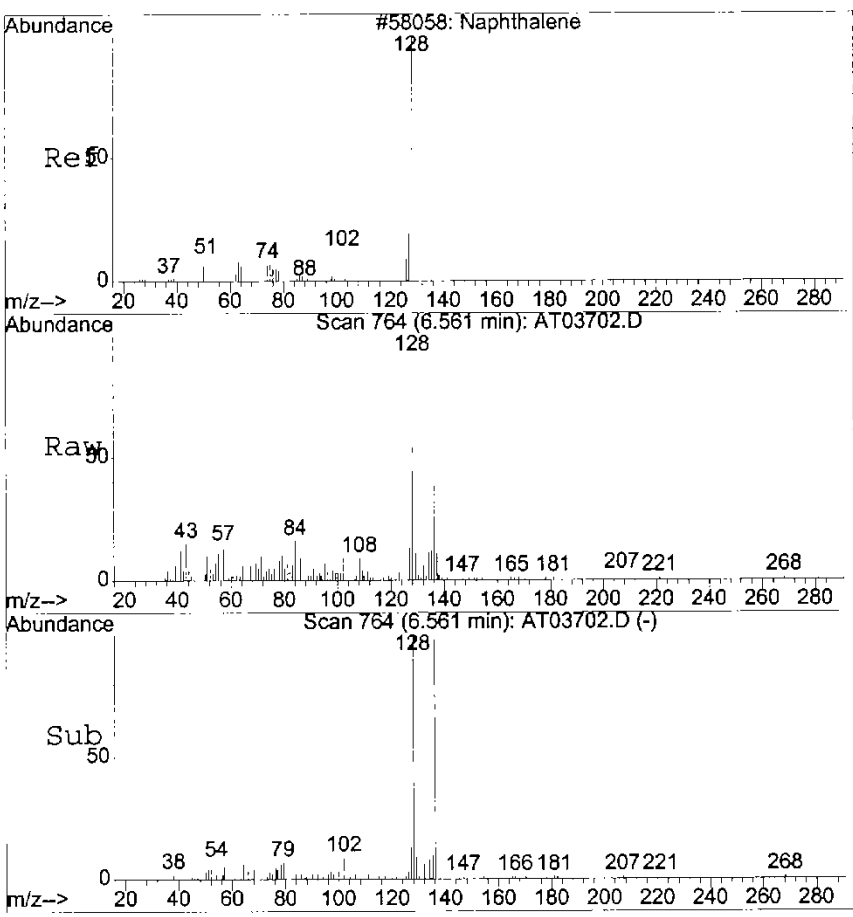


#31
2,4-Dichlorophenol
Concen: 15.53 ug/L
RT: 6.36 min Scan# 726
Delta R.T. -0.08 min
Lab File: AT03702.D
Acq: 1 Mar 2005 2:48 pm

Tgt Ion:162 Resp: 2116

Ion	Ratio	Lower	Upper
162	100		
164	69.0	35.8	95.8
98	0.0	0.0	57.5
63	5.4	4.0	64.0

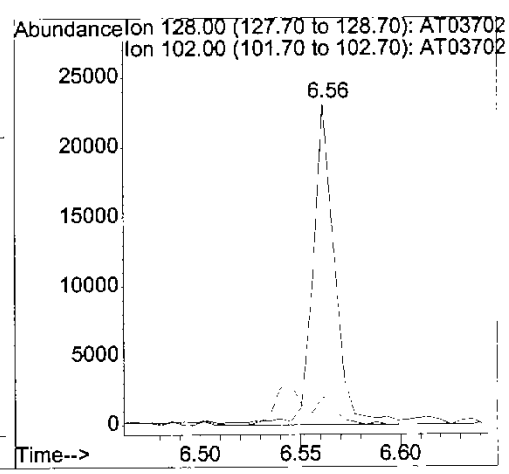




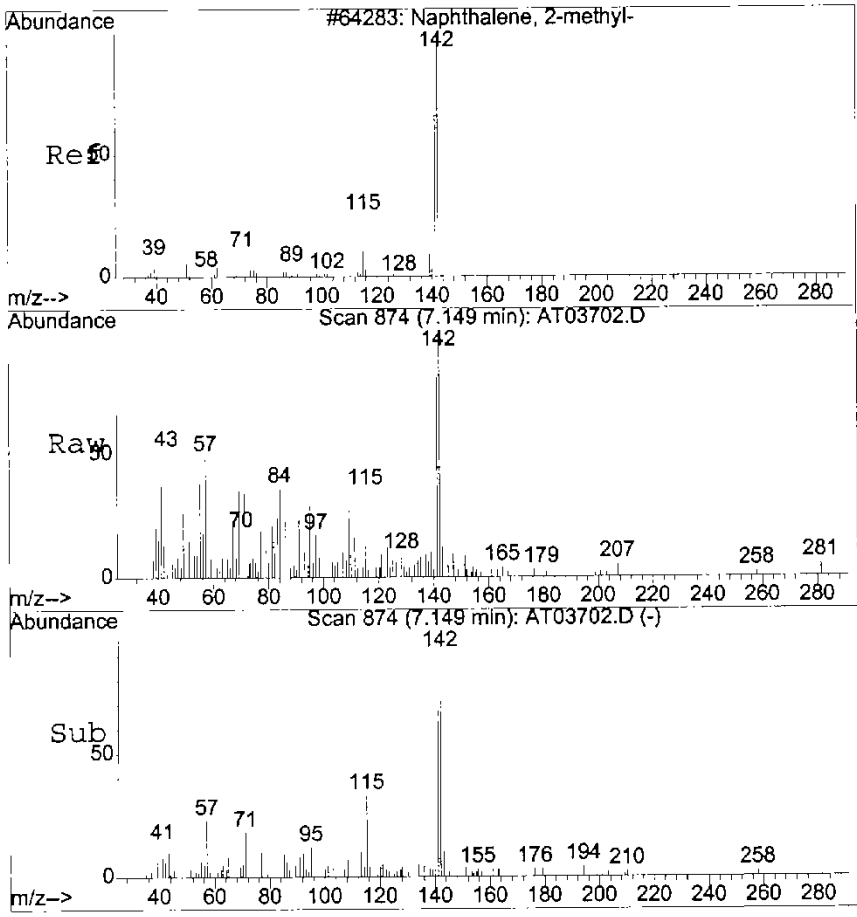
#33
Naphthalene
Concen: 28.23 ug/L
RT: 6.56 min Scan# 764
Delta R.T. 0.00 min
Lab File: AT03702.D
Acq: 1 Mar 2005 2:48 pm

Tgt Ion:128 Resp: 17709

Ion	Ratio	Lower	Upper
128	100		
102	8.6	0.0	37.8



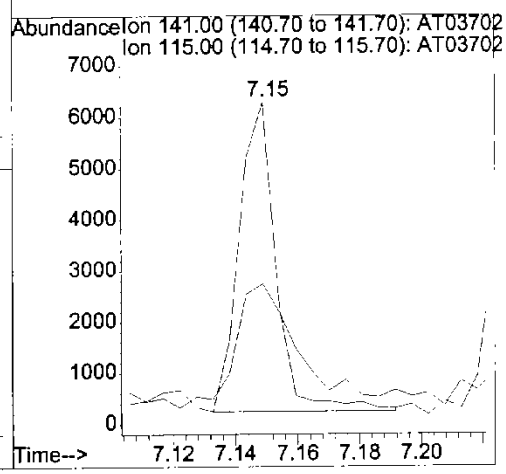
00742

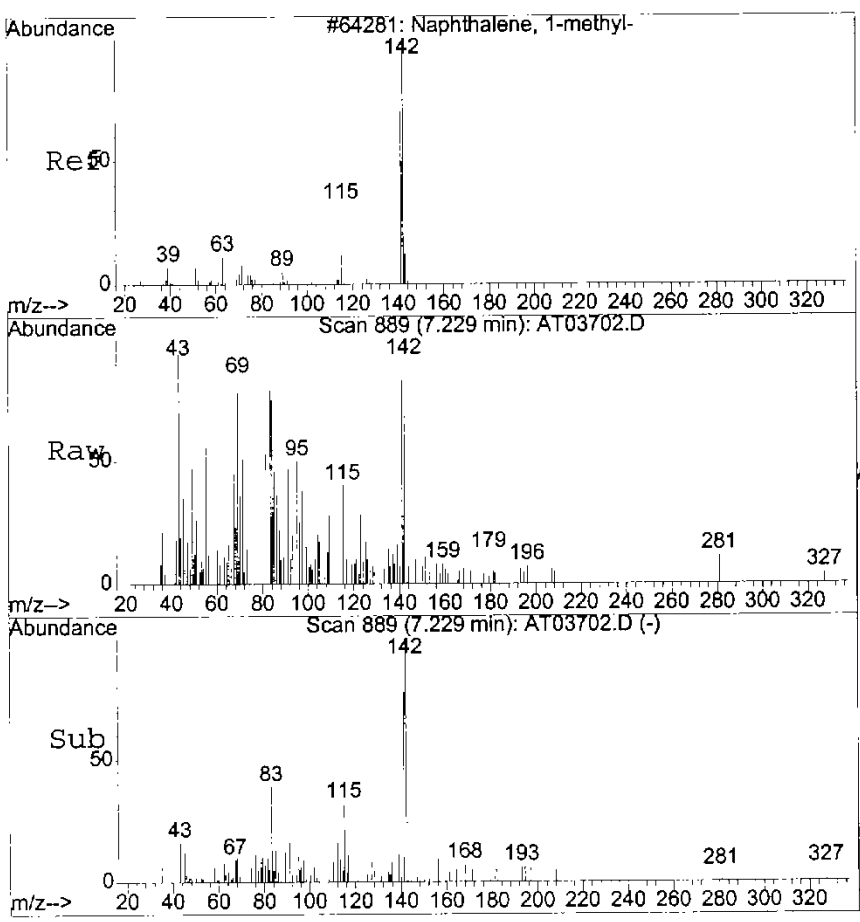


#37
2-Methylnaphthalene
Concen: 14.97 ug/L
RT: 7.15 min Scan# 874
Delta R.T. 0.02 min
Lab File: AT03702.D
Acq: 1 Mar 2005 2:48 pm

Tgt Ion:141 Resp: 4975

Ion	Ratio	Lower	Upper
141	100		
115	36.1	2.2	62.2

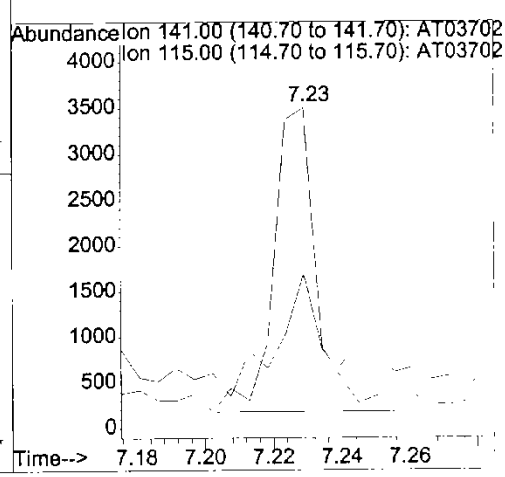


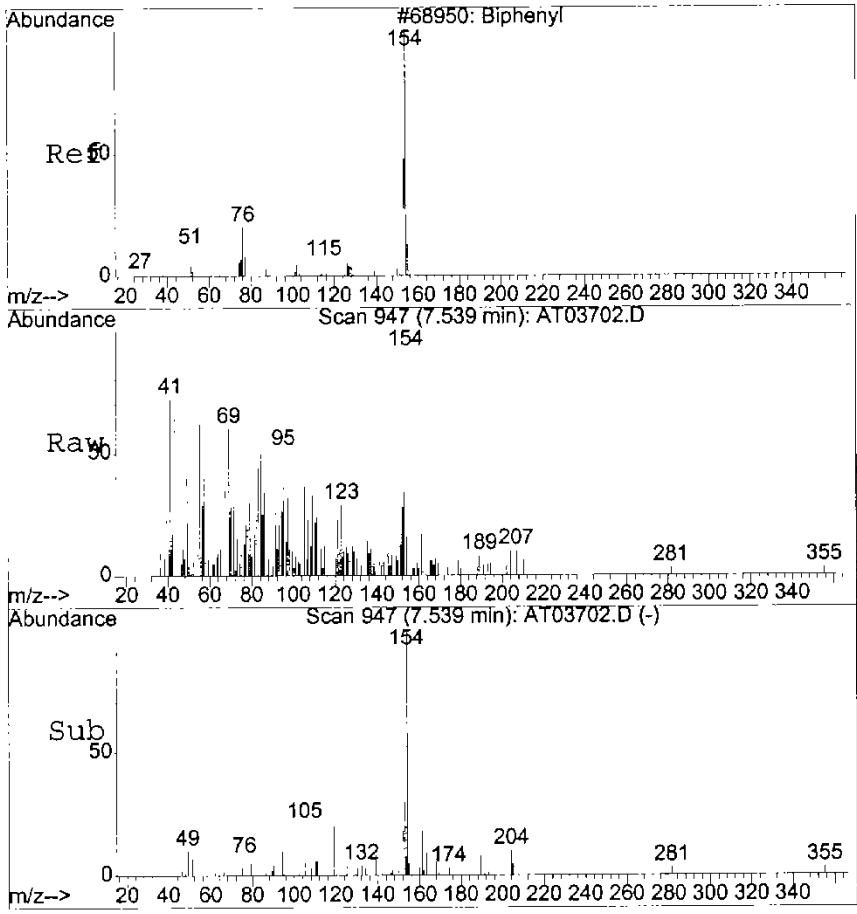


#38
1-Methylnaphthalene
Concen: 8.40 ul/l
RT: 7.23 min Scan# 889
Delta R.T. 0.02 min
Lab File: AT03702.D
Acq: 1 Mar 2005 2:48 pm

Tgt Ion:141 Resp: 2908

Ion	Ratio	Lower	Upper
141	100		
115	33.1	2.6	62.6

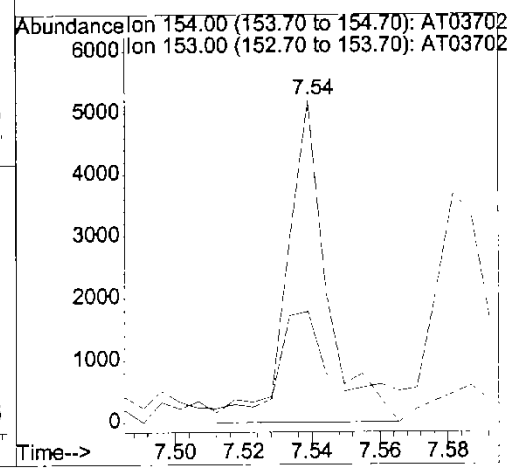


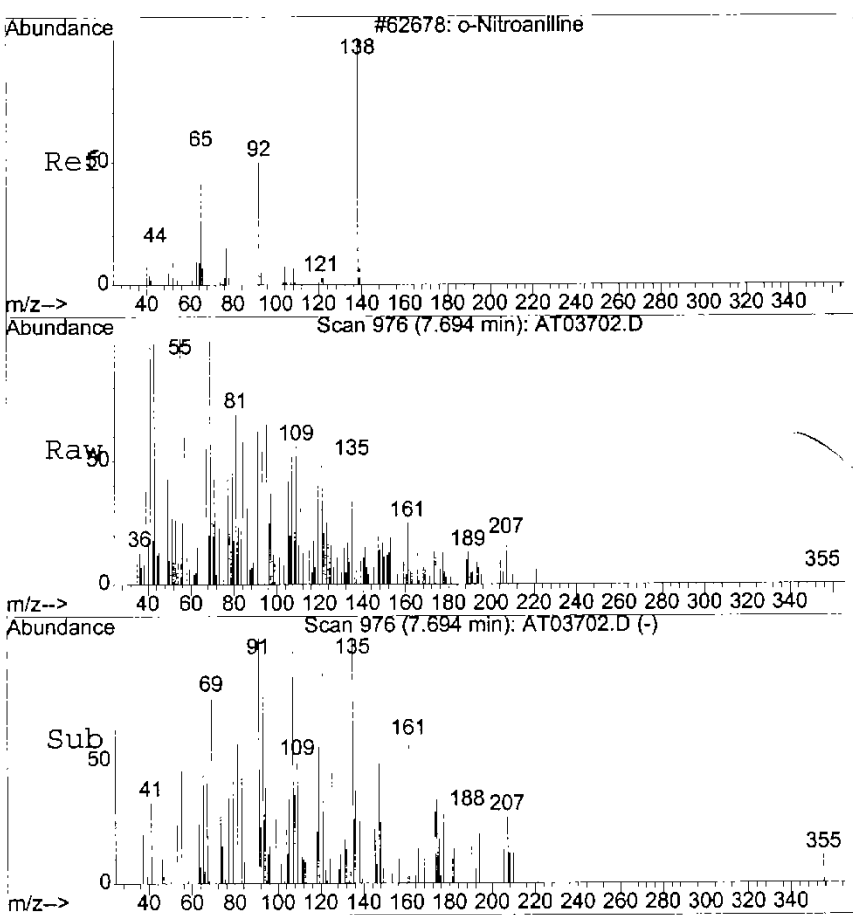


#46
Biphenyl
Concen: 8.95 ul/L
RT: 7.54 min Scan# 947
Delta R.T. -0.01 min
Lab File: AT03702.D
Acq: 1 Mar 2005 2:48 pm

Tgt Ion:154 Resp: 4194

Ion	Ratio	Lower	Upper
154	100		
153	33.8	9.4	69.4

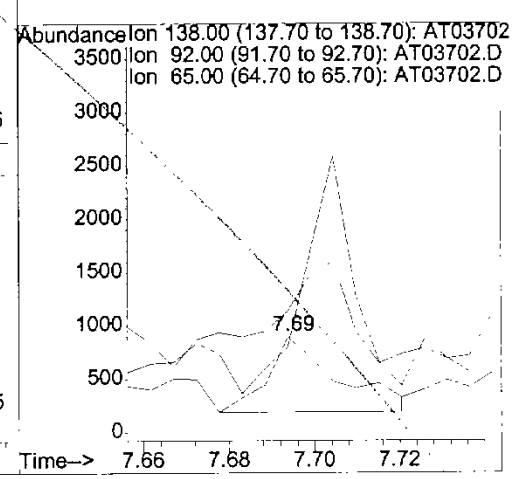


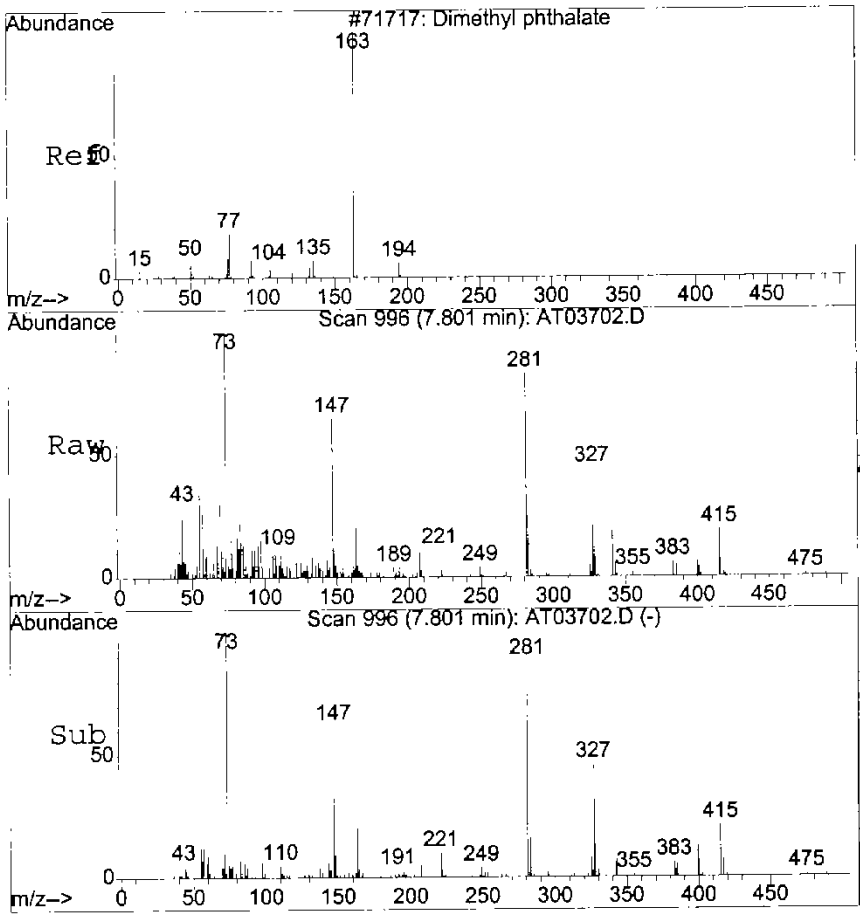


#47
2-Nitroaniline
Concen: 28.79 ug/L
RT: 7.69 min Scan# 976
Delta R.T. 0.05 min
Lab File: AT03702.D
Acq: 1 Mar 2005 2:48 pm

Tgt Ion:138 Resp: 801

Ion	Ratio	Lower	Upper
138	100		
92	33.2	17.9	77.9
65	47.9	27.4	87.4

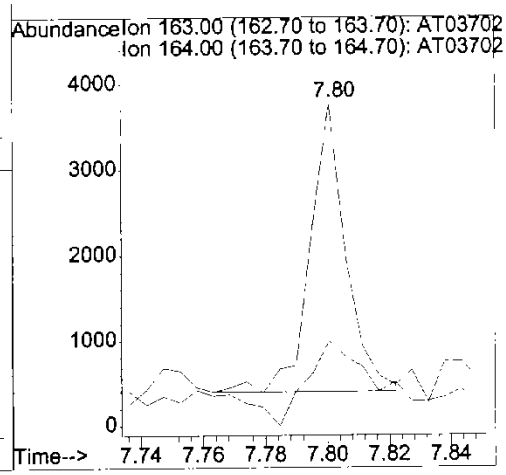


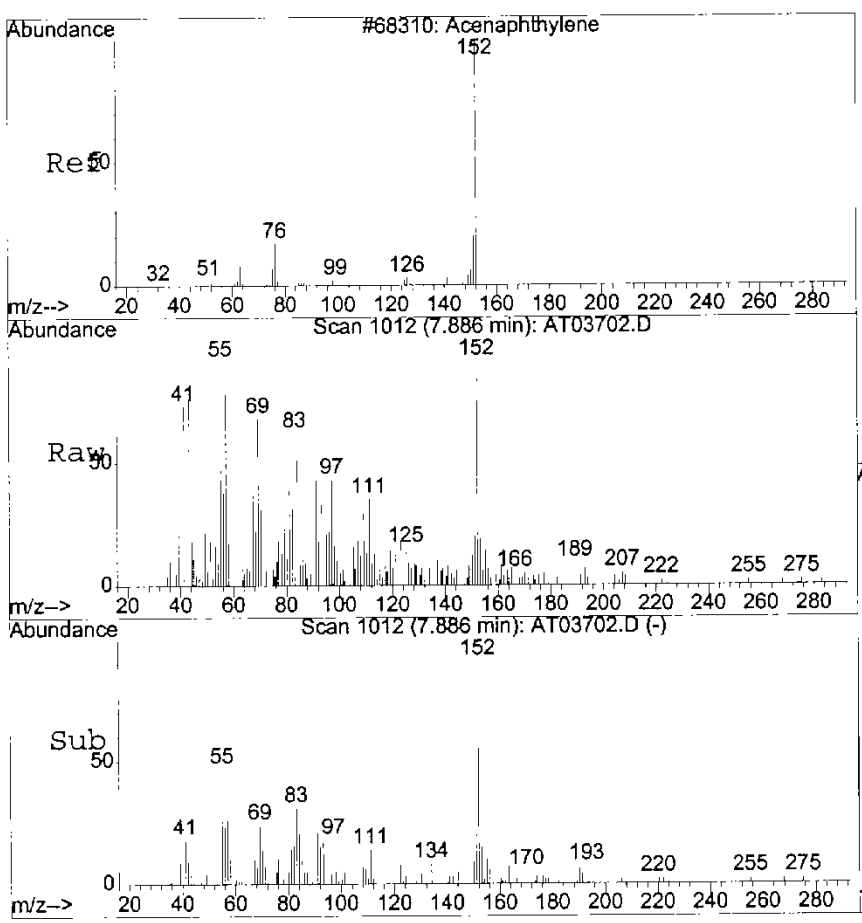


#48
Dimethylphthalate
Concen: 6.91 ug/L
RT: 7.80 min Scan# 996
Delta R.T. 0.01 min
Lab File: AT03702.D
Acq: 1 Mar 2005 2:48 pm

Tgt Ion:163 Resp: 2711

Ion	Ratio	Lower	Upper
163	100		
164	16.9	0.0	40.0

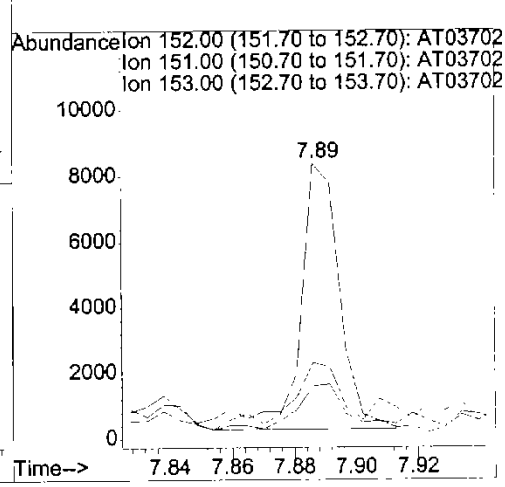


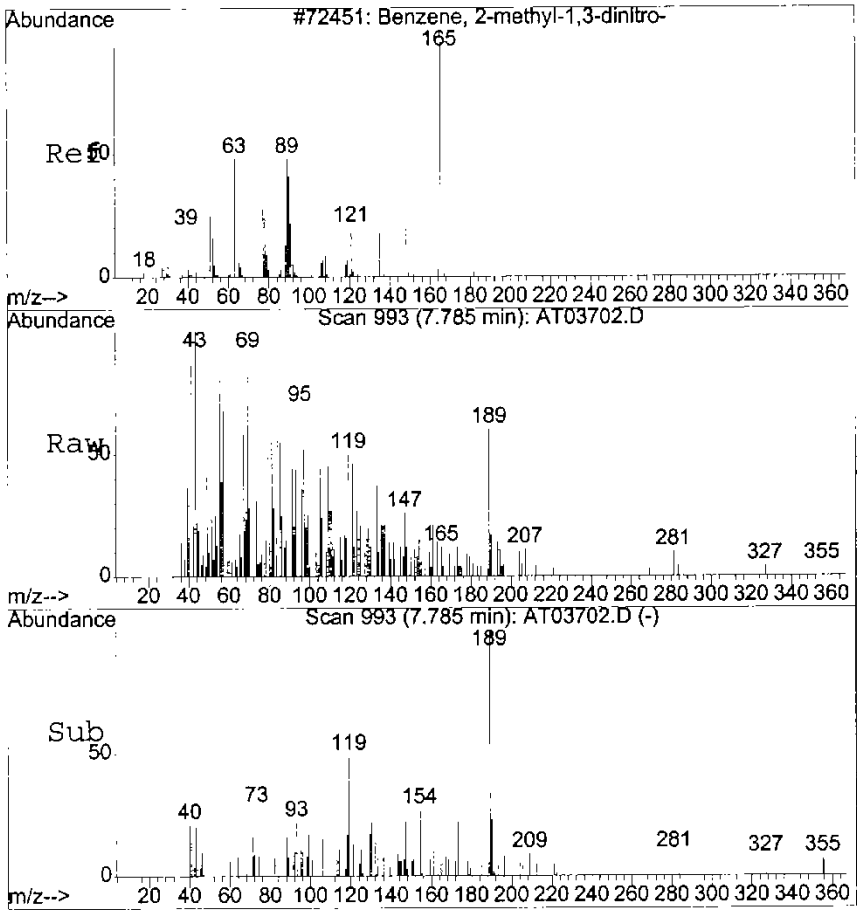


#49
Acenaphthylene
Concen: 12.18 ug/L
RT: 7.89 min Scan# 1012
Delta R.T. -0.00 min
Lab File: AT03702.D
Acq: 1 Mar 2005 2:48 pm

Tgt Ion:152 Resp: 7018

Ion	Ratio	Lower	Upper
152	100		
151	19.1	0.0	49.4
153	16.1	0.0	43.0

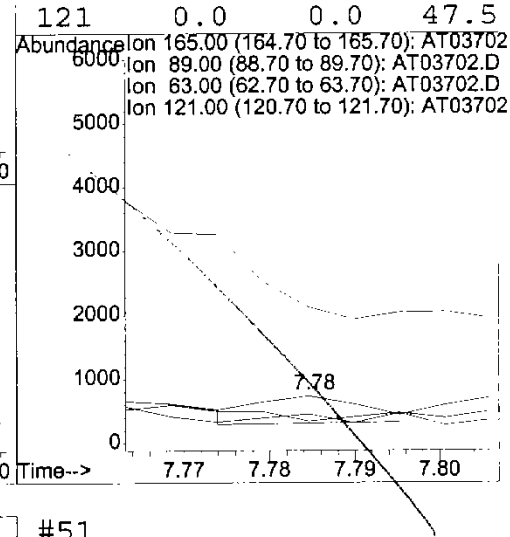


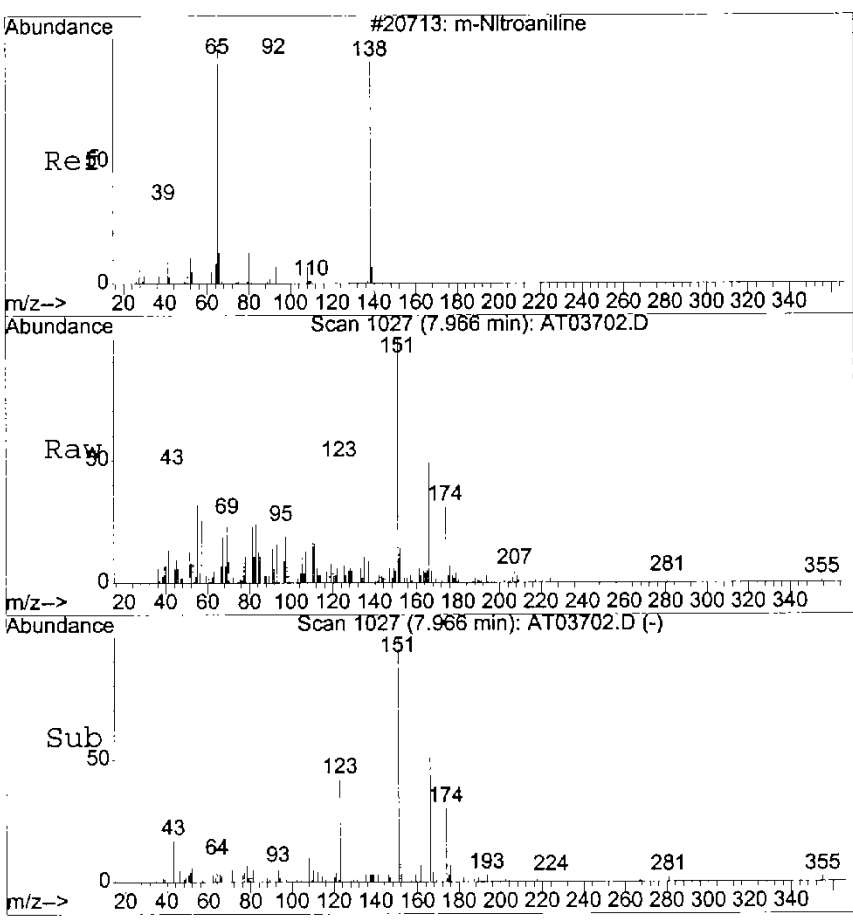


#50
2,6-Dinitrotoluene
Concen: 29.58 ug/L
RT: 7.78 min Scan# 993
Delta R.T. -0.06 min
Lab File: AT03702.D
Acq: 1 Mar 2005 2:48 pm

Tgt Ion:165 Resp: 378

Ion	Ratio	Lower	Upper
165	100		
89	21.3	8.4	68.4
63	0.0	0.0	45.4
121	0.0	0.0	47.5

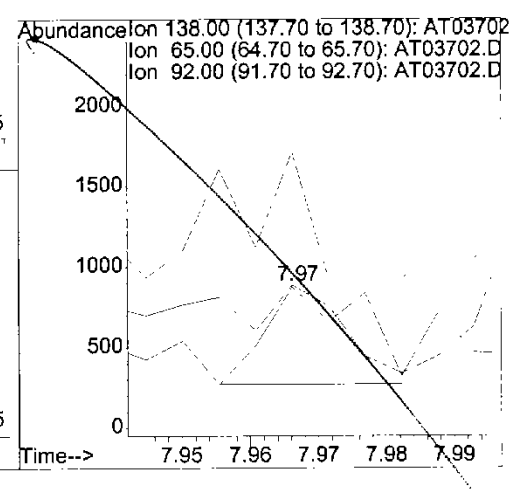


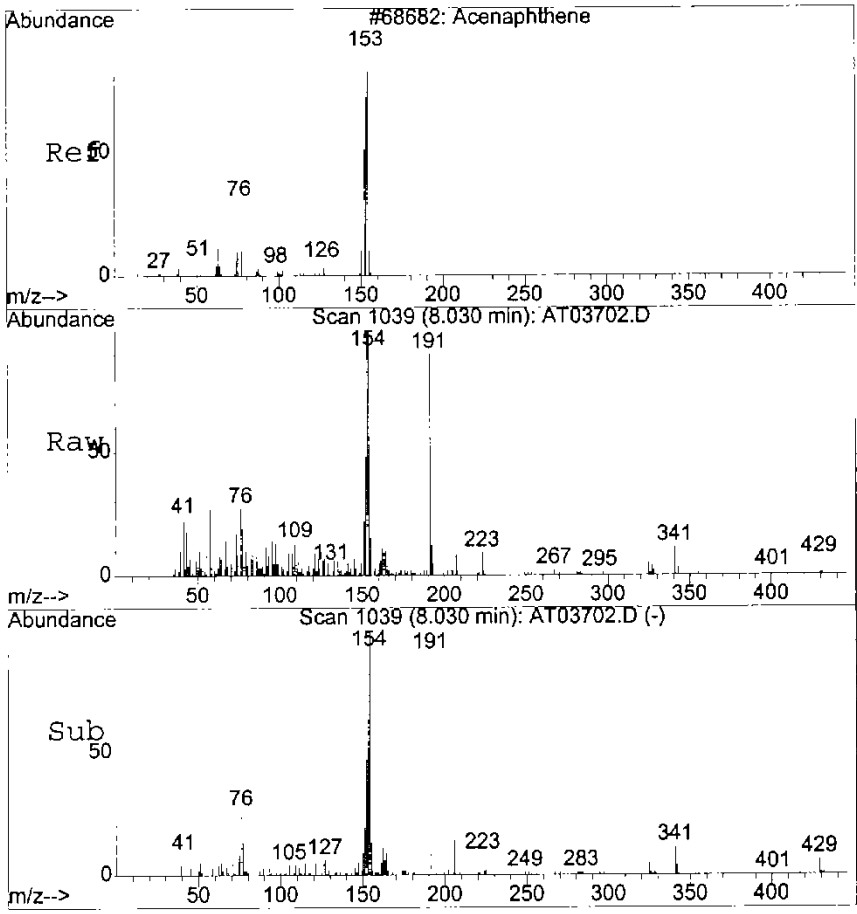


#51
3-Nitroaniline
Concen: Below Cal
RT: 7.97 min Scan# 1027
Delta R.T. -0.01 min
Lab File: AT03702.D
Acq: 1 Mar 2005 2:48 pm

Tgt Ion:138 Resp: 593

Ion	Ratio	Lower	Upper
138	100		
65	78.8	50.7	110.7
92	53.7	53.3	113.3

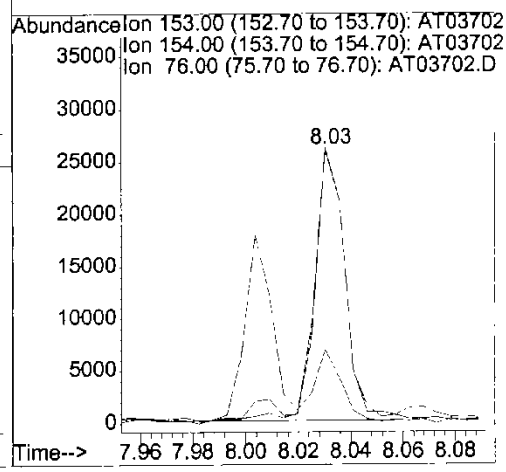


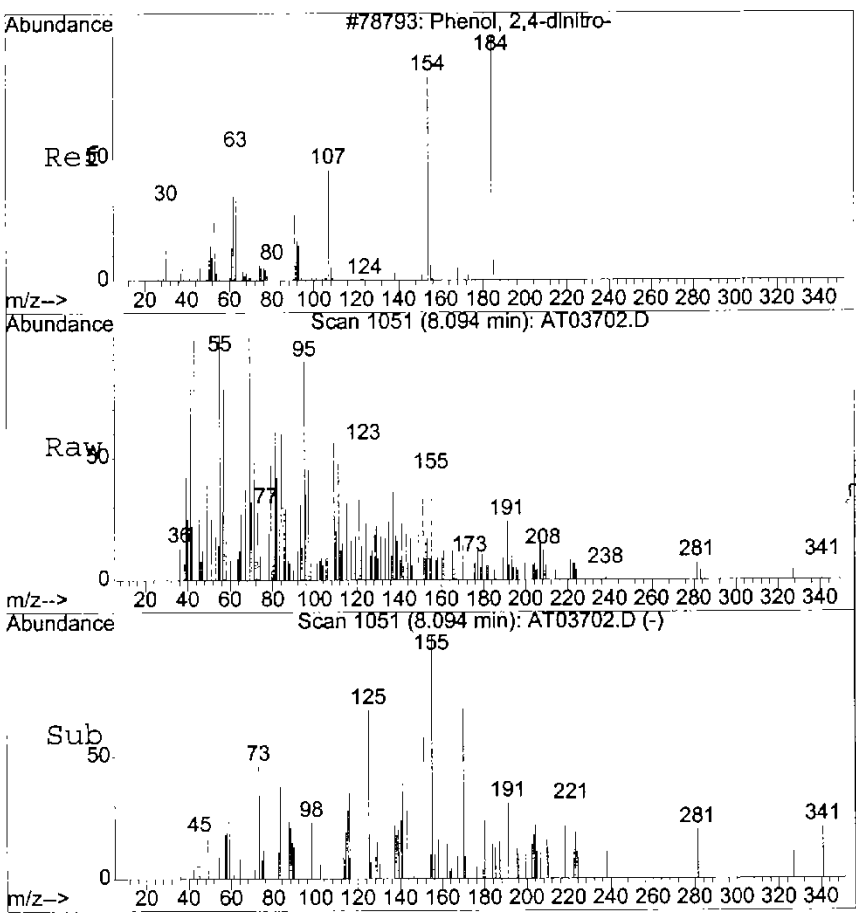


#52
Acenaphthene
Concen: 55.24 ug/L
RT: 8.03 min Scan# 1039
Delta R.T. 0.00 min
Lab File: AT03702.D
Acq: 1 Mar 2005 2:48 pm

Tgt Ion:153 Resp: 20948

Ion	Ratio	Lower	Upper
153	100		
154	101.0	53.5	113.5
76	26.0	0.0	50.2

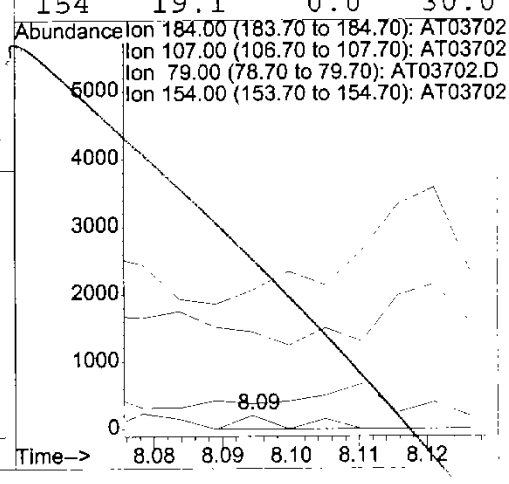


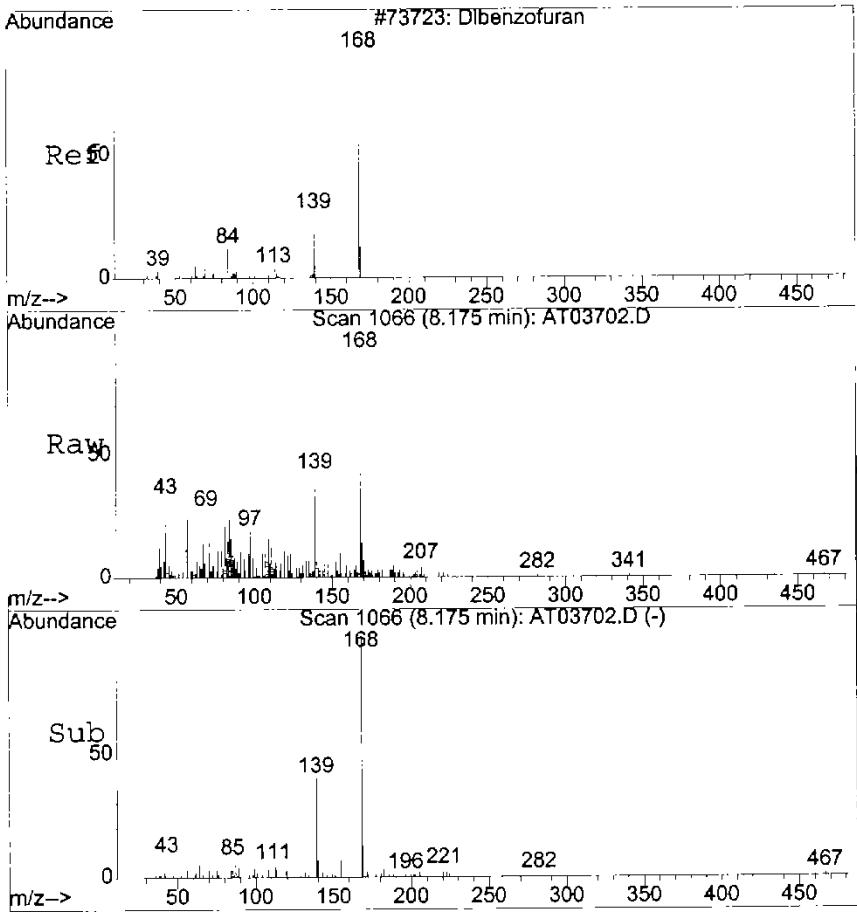


#53
2,4-Dinitrophenol
Concen: 345.88 ug/L
RT: 8.09 min Scan# 1051
Delta R.T. 0.03 min
Lab File: AT03702.D
Acq: 1 Mar 2005 2:48 pm

Tgt Ion:184 Resp: 115

Ion	Ratio	Lower	Upper
184	100		
107	0.0	0.0	58.6
79	0.0	0.0	48.2
154	19.1	0.0	30.0

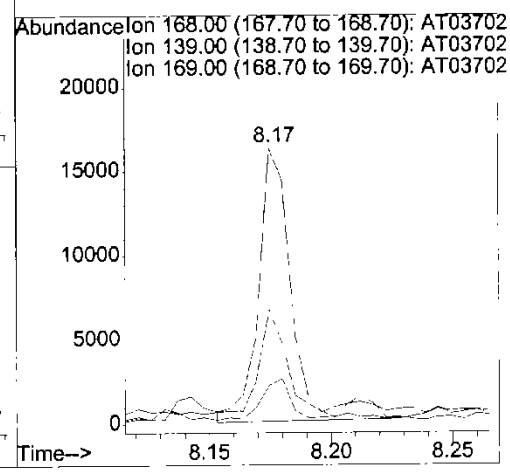


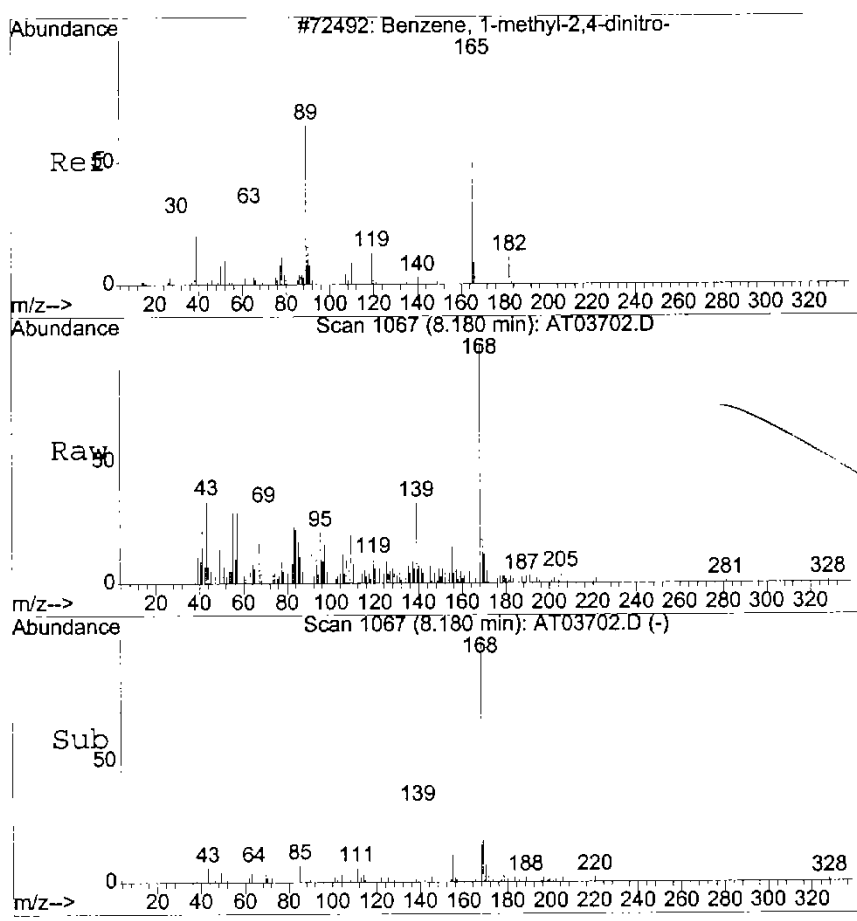


#55
Dibenzofuran
Concen: 28.85 ug/L
RT: 8.17 min Scan# 1066
Delta R.T. 0.00 min
Lab File: AT03702.D
Acq: 1 Mar 2005 2:48 pm

Tgt Ion:168 Resp: 14655

Ion	Ratio	Lower	Upper
168	100		
139	37.8	0.6	60.6
169	12.3	0.0	42.8

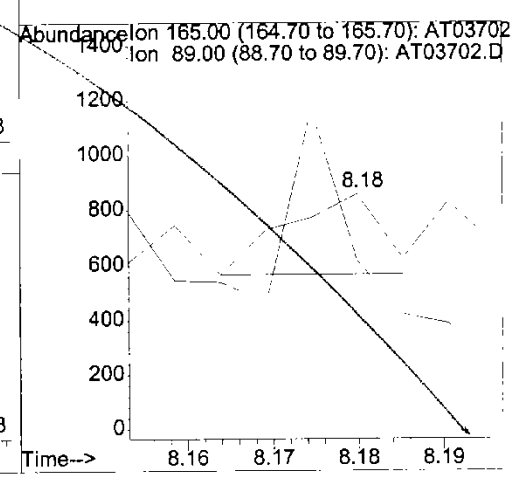


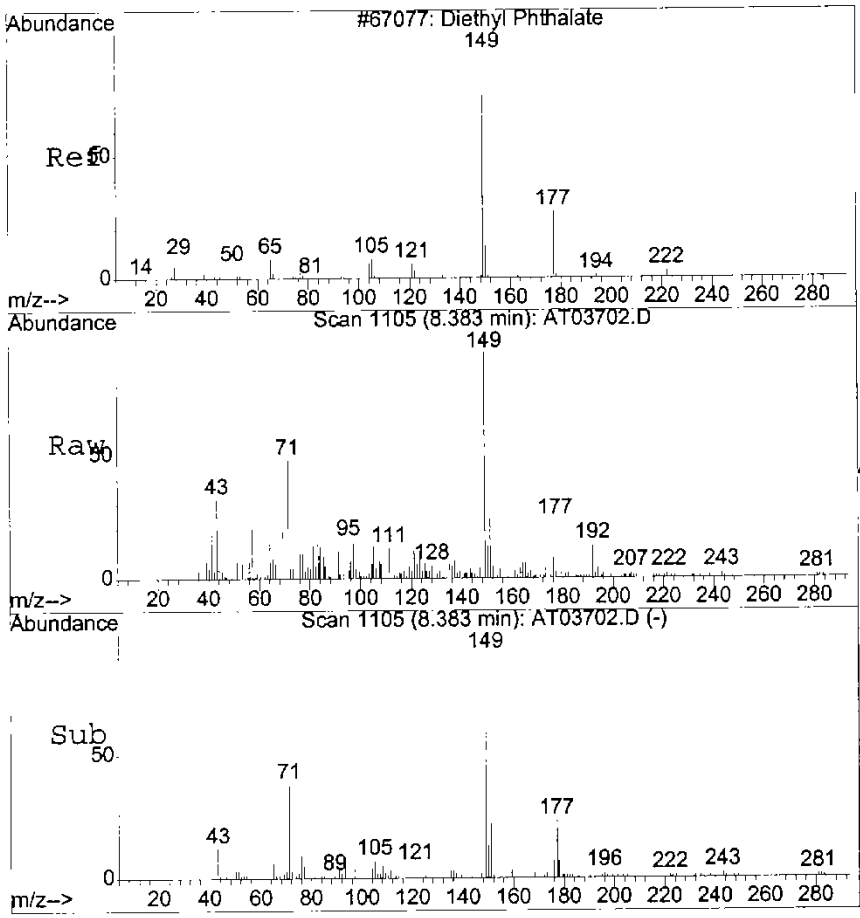


#56
2,4-Dinitrotoluene
Concen: 33.03 ug/L
RT: 8.18 min Scan# 1067
Delta R.T. 0.01 min
Lab File: AT03702.D
Acq: 1 Mar 2005 2:48 pm

Tgt Ion:165 Resp: 229

Ion	Ratio	Lower	Upper
165	100		
89	52.2	22.1	82.1

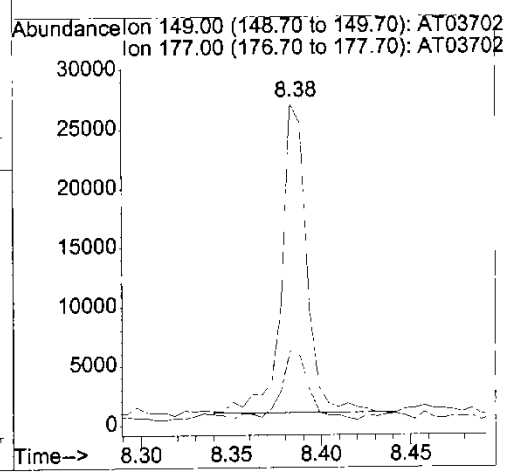


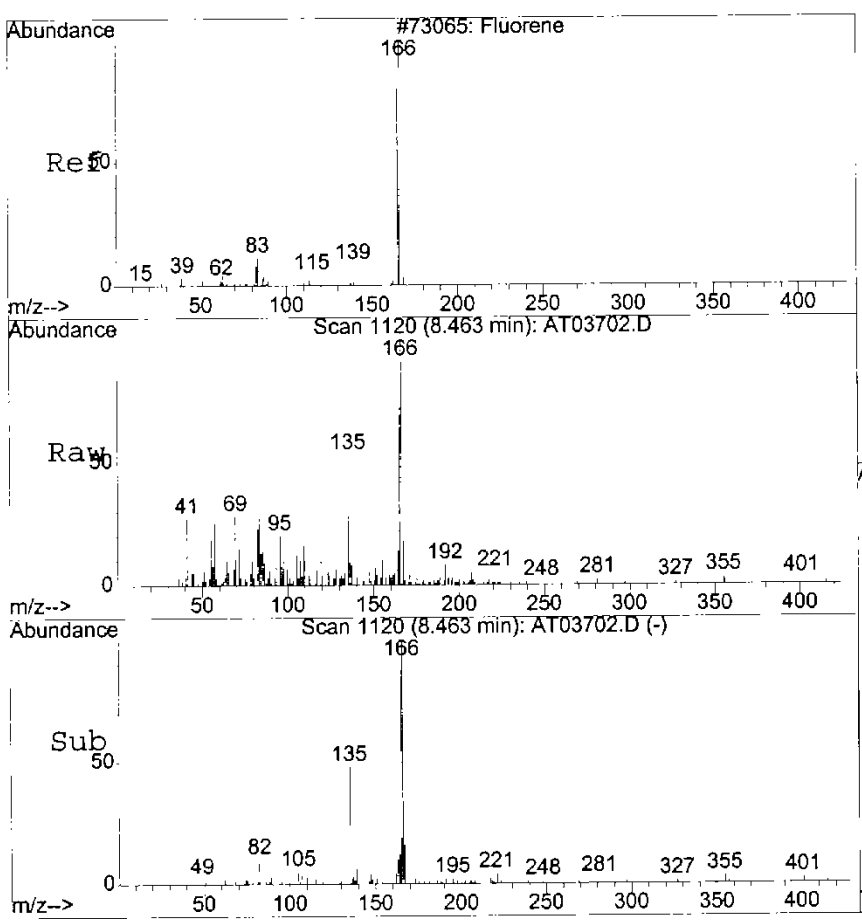


#59
Diethylphthalate
Concen: 61.29 ug/L
RT: 8.38 min Scan# 1105
Delta R.T. 0.01 min
Lab File: AT03702.D
Acq: 1 Mar 2005 2:48 pm

Tgt Ion:149 Resp: 25440

Ion	Ratio	Lower	Upper
149	100		
177	20.6	0.0	53.1

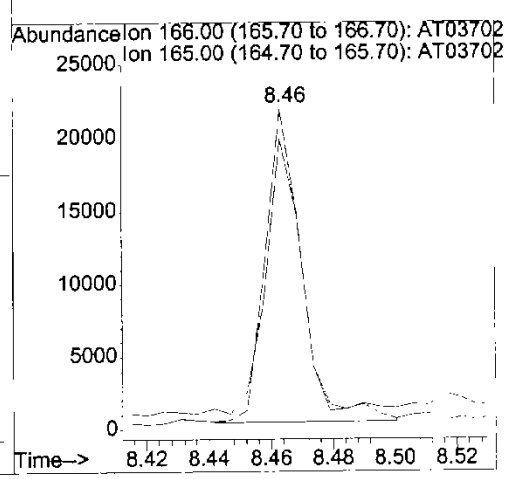


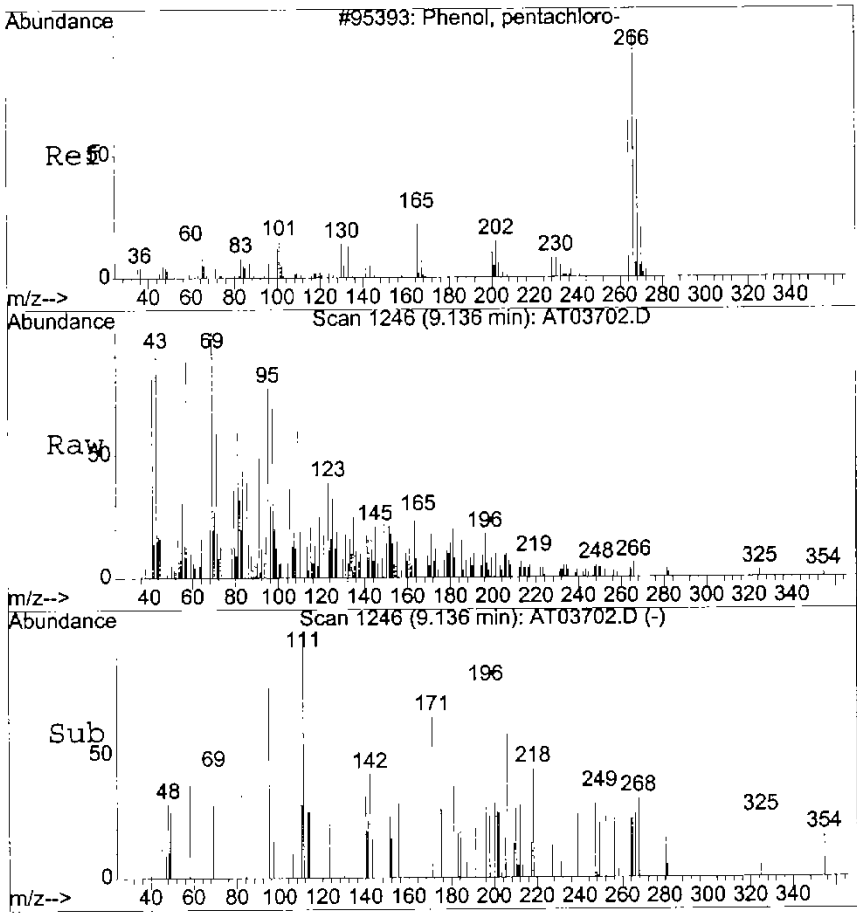


#60
Fluorene
Concen: 44.57 ug/L
RT: 8.46 min Scan# 1120
Delta R.T. 0.00 min
Lab File: AT03702.D
Acq: 1 Mar 2005 2:48 pm

Tgt Ion:166 Resp: 17427

Ion	Ratio	Lower	Upper
166	100		
165	86.7	65.1	125.1

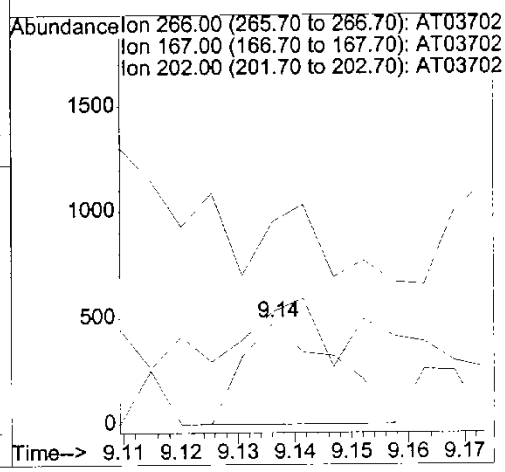


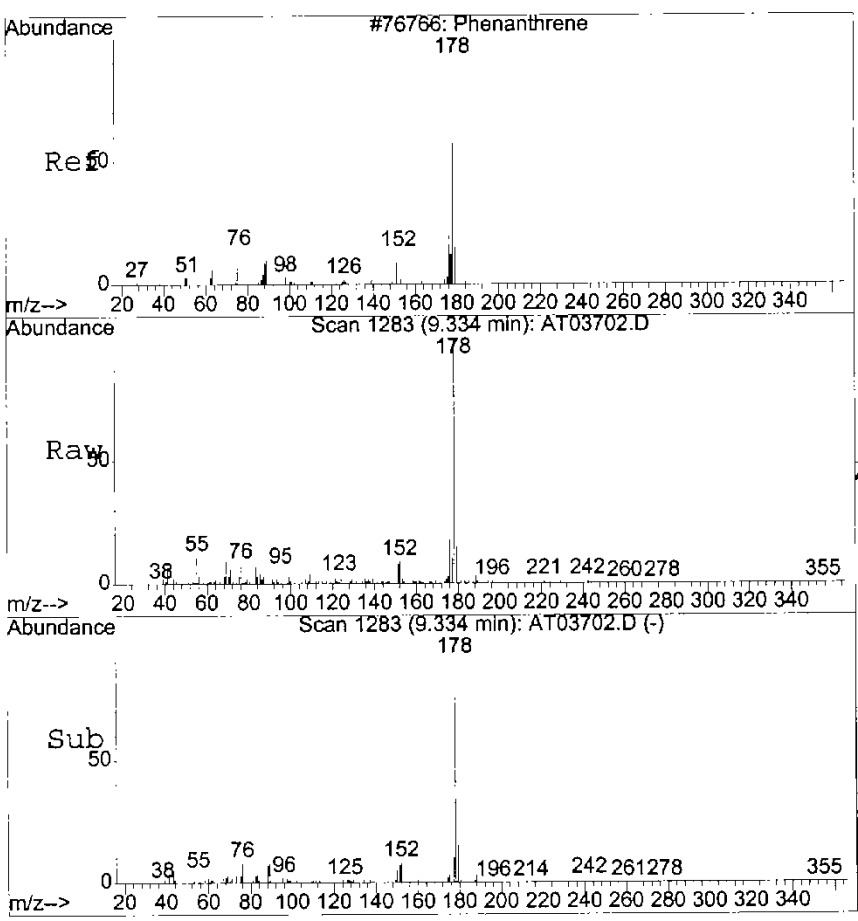


#70
Pentachlorophenol
Concen: 7.92 ug/L
RT: 9.14 min Scan# 1246
Delta R.T. 0.01 min
Lab File: AT03702.D
Acq: 1 Mar 2005 2:48 pm

Tgt Ion:266 Resp: 533

Ion	Ratio	Lower	Upper
266	100		
167	15.6	2.3	62.3
202	36.8	0.0	49.2

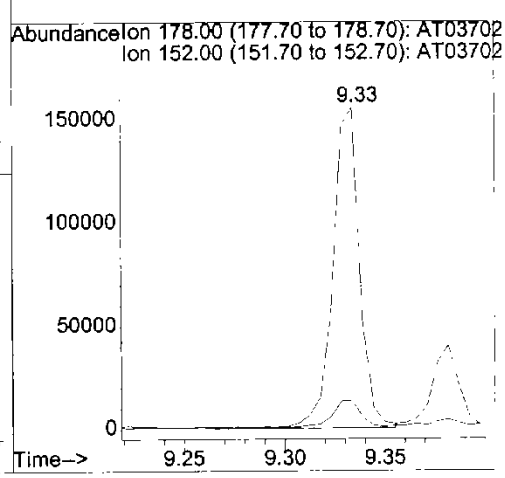


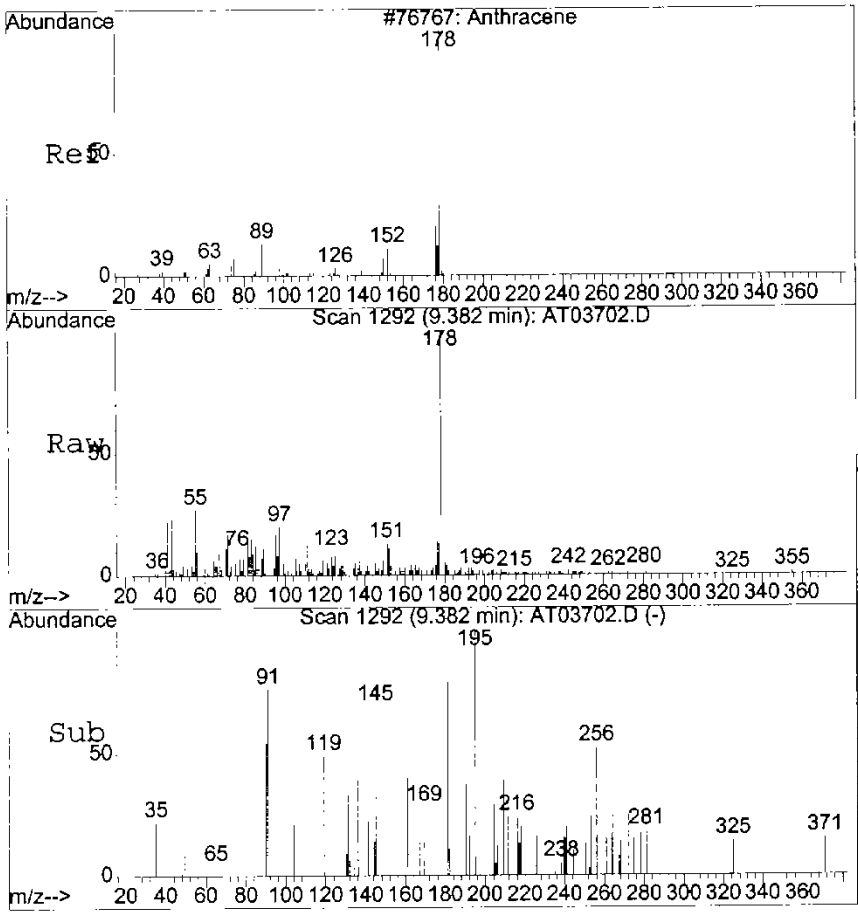


#71
Phenanthrene
Concen: 236.85 ug/L
RT: 9.33 min Scan# 1283
Delta R.T. 0.01 min
Lab File: AT03702.D
Acq: 1 Mar 2005 2:48 pm

Tgt Ion:178 Resp: 144012

Ion	Ratio	Lower	Upper
178	100		
152	7.8	0.0	38.6

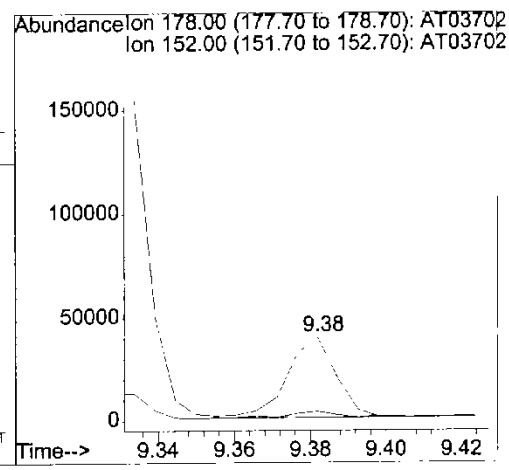


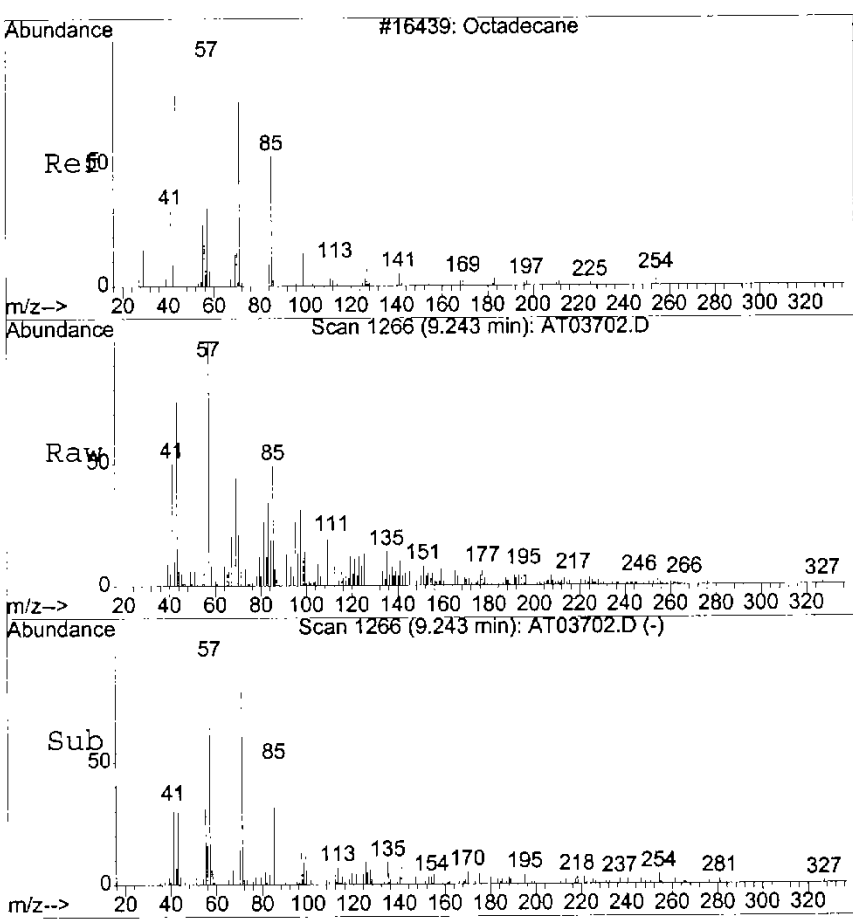


#72
Anthracene
Concen: 63.07 ug/L
RT: 9.38 min Scan# 1292
Delta R.T. 0.01 min
Lab File: AT03702.D
Acq: 1 Mar 2005 2:48 pm

Tgt Ion:178 Resp: 34782

Ion	Ratio	Lower	Upper
178	100		
152	7.0	0.0	37.1

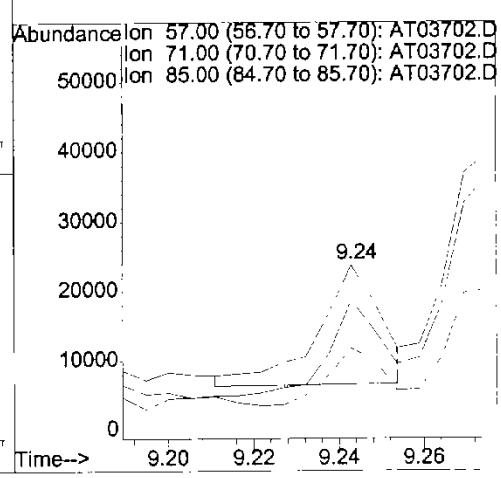


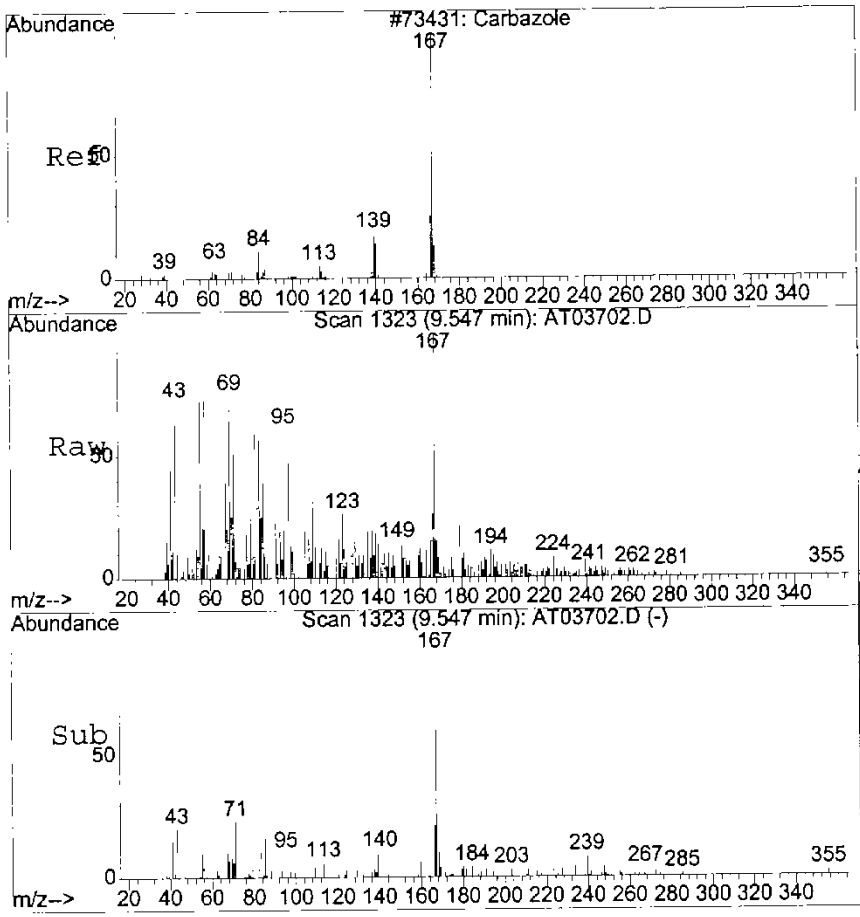


#73
Octadecane
Concen: 101.11 ul/L
RT: 9.24 min Scan# 1266
Delta R.T. 0.00 min
Lab File: AT03702.D
Acq: 1 Mar 2005 2:48 pm

Tgt Ion: 57 Resp: 17841

Ion	Ratio	Lower	Upper
57	100		
71	71.4	51.7	96.1
85	46.5	37.4	69.4

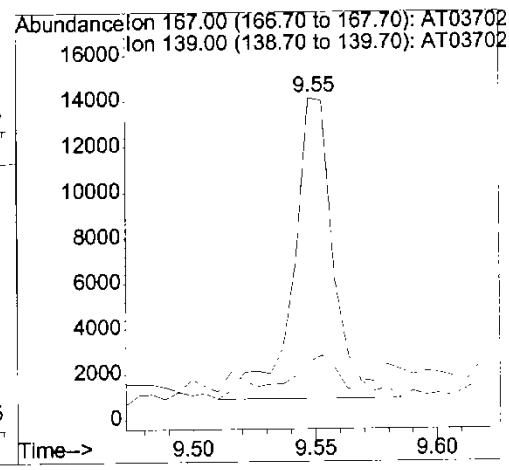


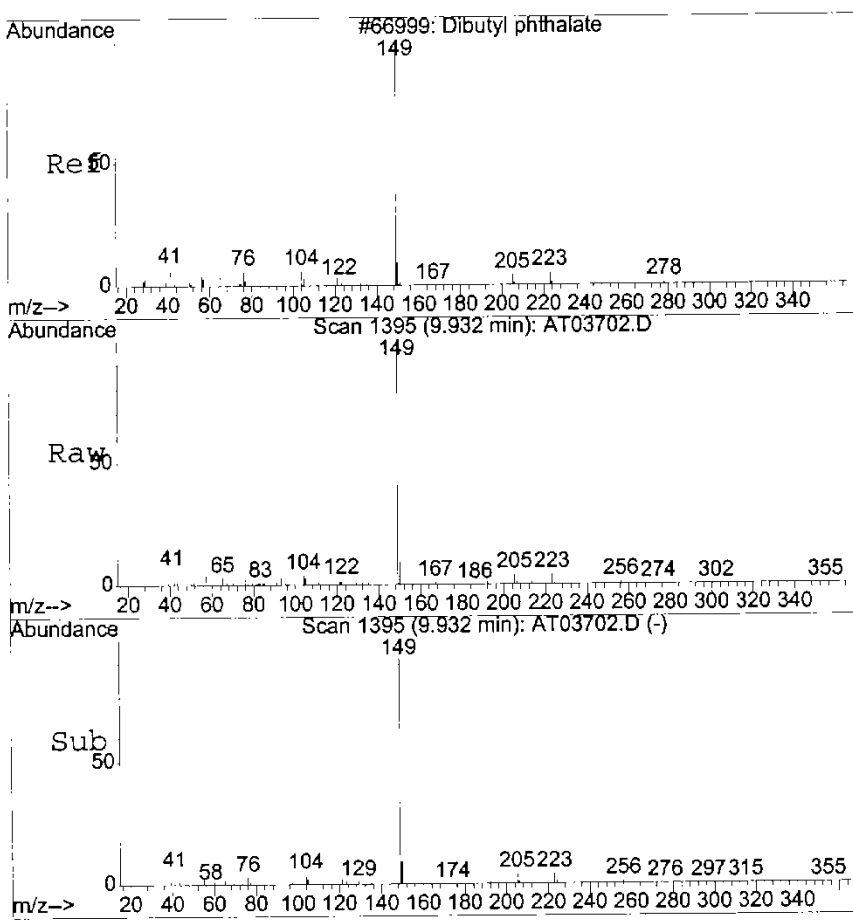


#74
Carbazole
Concen: 40.44 ug/L
RT: 9.55 min Scan# 1323
Delta R.T. 0.01 min
Lab File: AT03702.D
Acq: 1 Mar 2005 2:48 pm

Tgt Ion:167 Resp: 15098

Ion	Ratio	Lower	Upper
167	100		
139	6.2	0.0	42.1

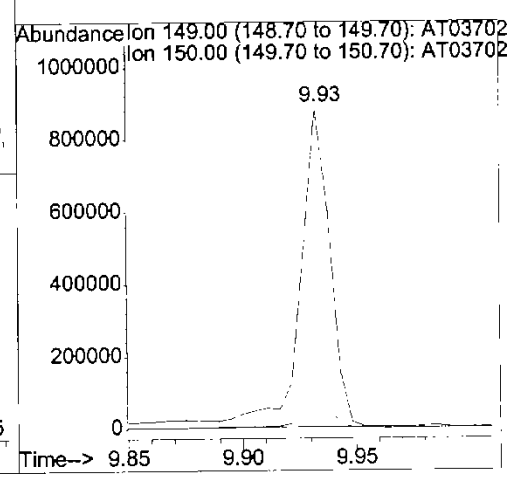


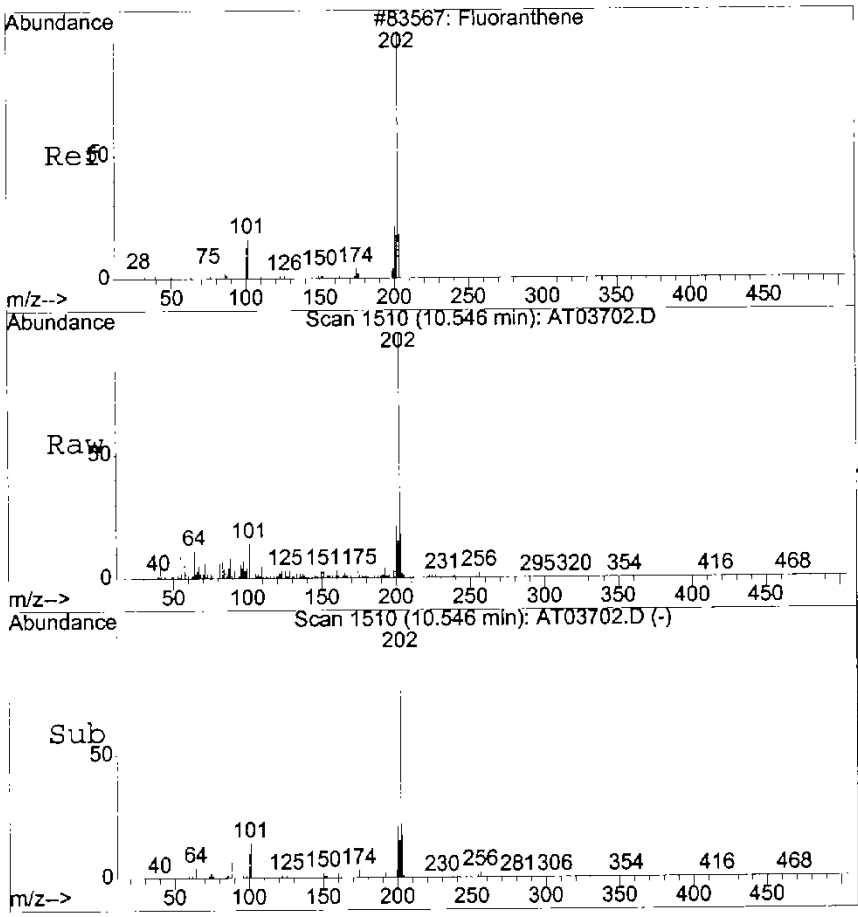


#75
Di-n-butylphthalate
Concen: 1210.91 ug/L
RT: 9.93 min Scan# 1395
Delta R.T. 0.00 min
Lab File: AT03702.D
Acq: 1 Mar 2005 2:48 pm

Tgt Ion:149 Resp: 791430

Ion	Ratio	Lower	Upper
149	100		
150	9.0	0.0	38.8

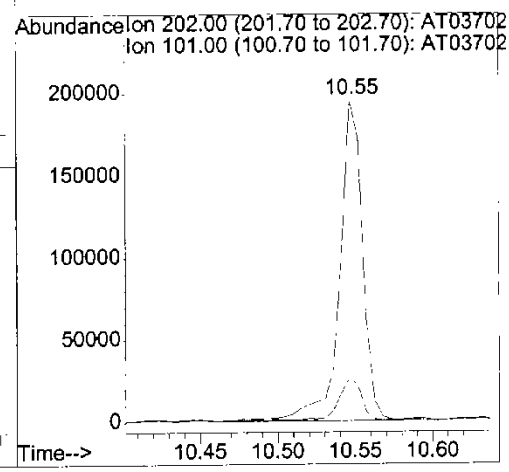


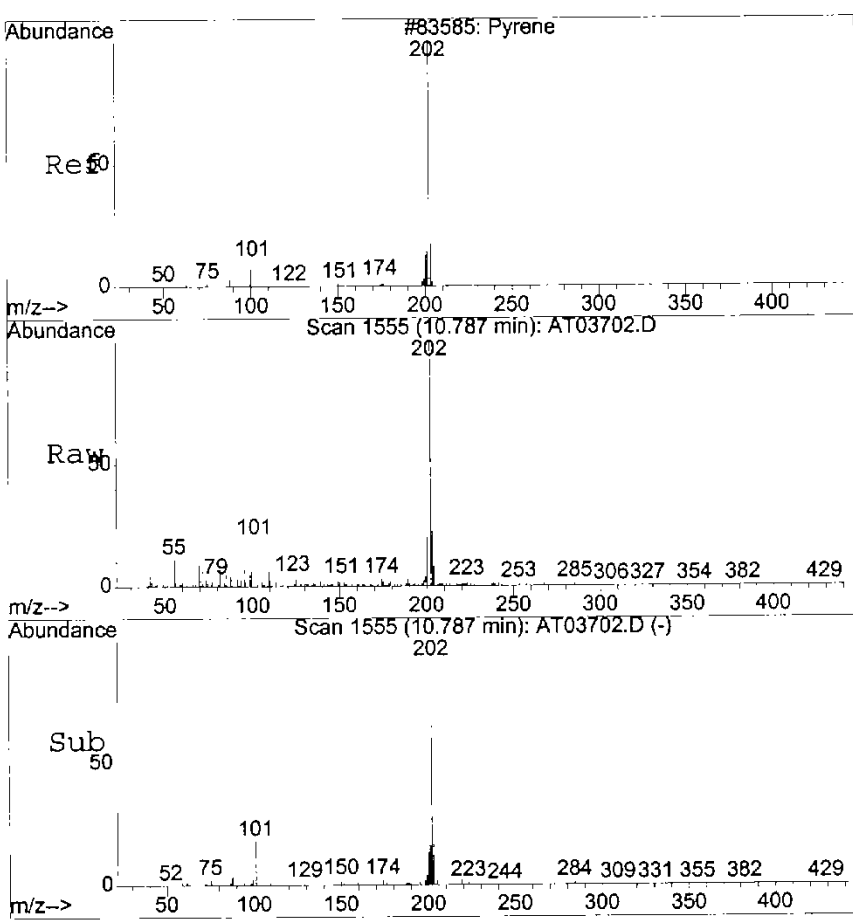


#76
Fluoranthene
Concen: 327.49 ug/L
RT: 10.55 min Scan# 1510
Delta R.T. 0.01 min
Lab File: AT03702.D
Acq: 1 Mar 2005 2:48 pm

Tgt Ion:202 Resp: 203232

Ion	Ratio	Lower	Upper
202	100		
101	13.8	0.0	43.1

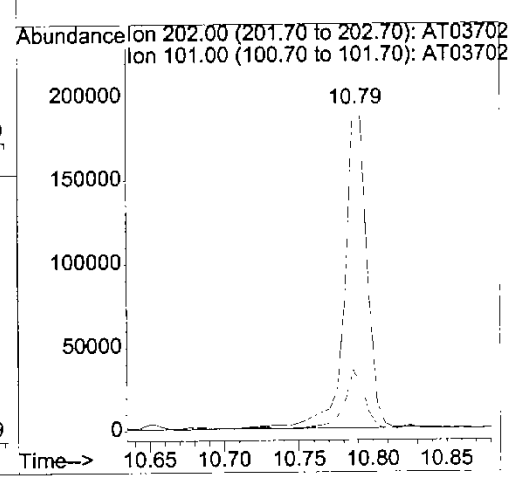


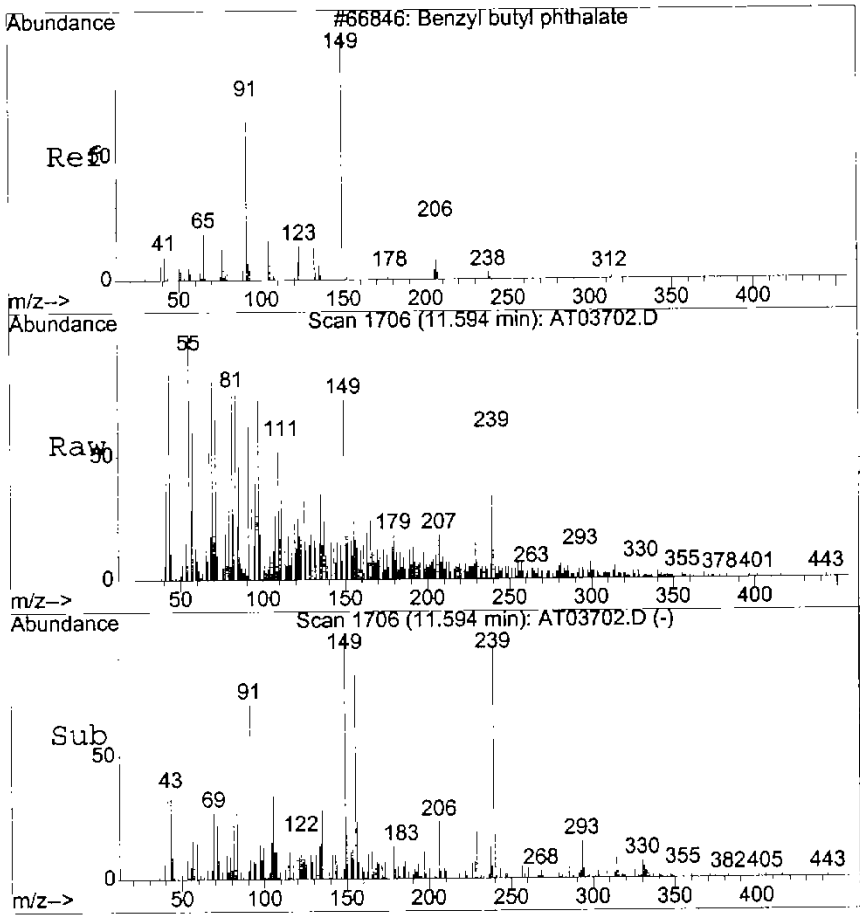


#77
Pyrene
Concen: 314.86 ug/L
RT: 10.79 min Scan# 1555
Delta R.T. 0.00 min
Lab File: AT03702.D
Acq: 1 Mar 2005 2:48 pm

Tgt Ion:202 Resp: 202662

Ion	Ratio	Lower	Upper
202	100		
101	18.0	0.0	44.9

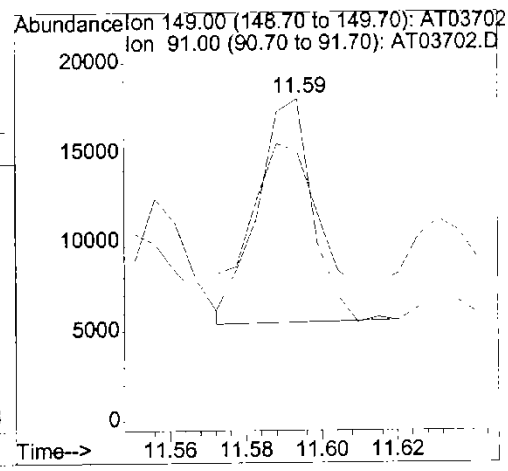


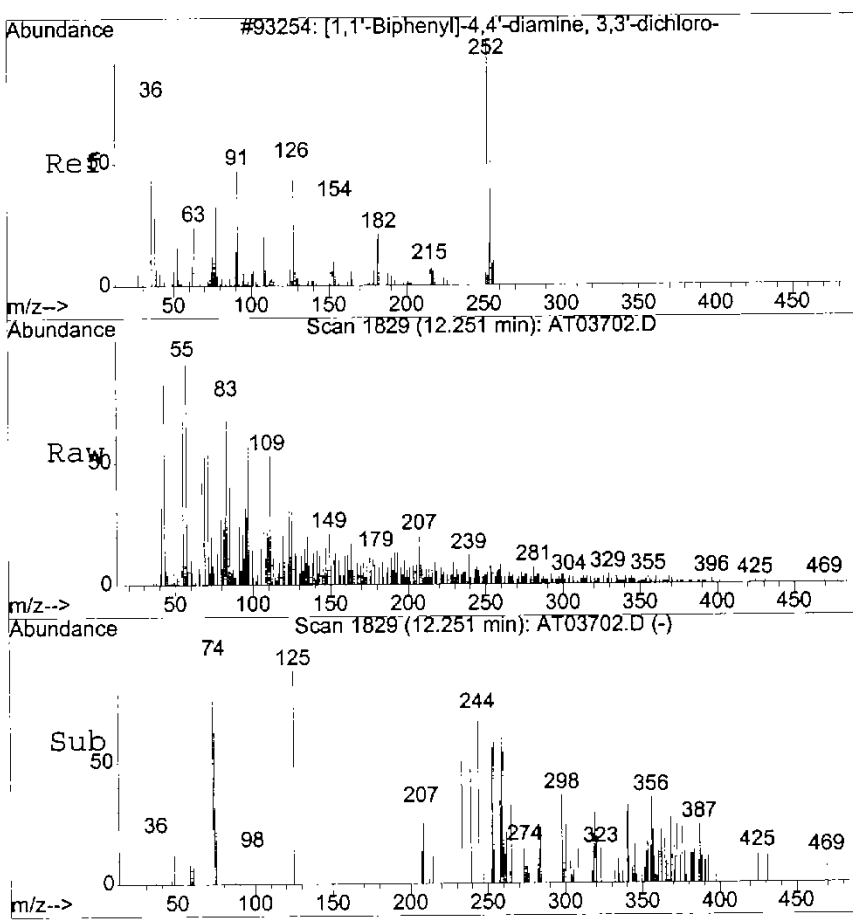


#81
Butylbenzylphthalate
Concen: 116.09 ug/L
RT: 11.59 min Scan# 1706
Delta R.T. 0.01 min
Lab File: AT03702.D
Acq: 1 Mar 2005 2:48 pm

Tgt Ion:149 Resp: 12558

Ion	Ratio	Lower	Upper
149	100		
91	56.8	30.6	90.6

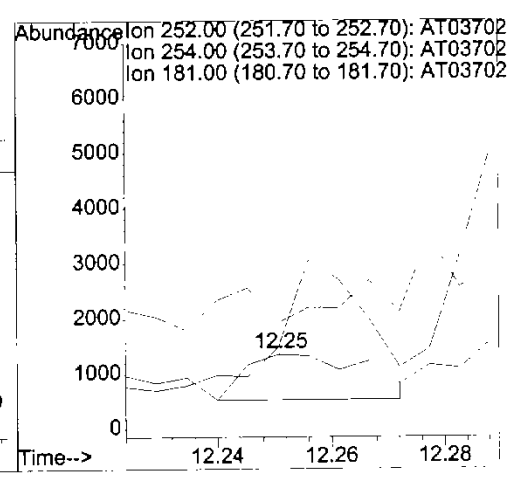


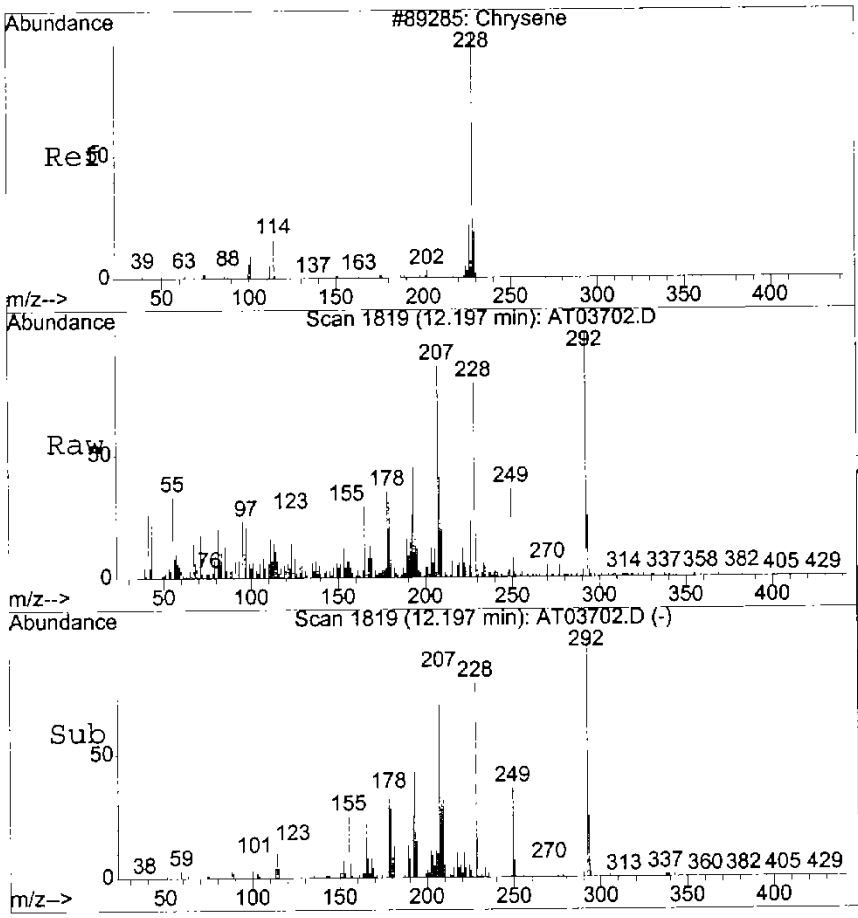


#83
3,3'-Dichlorobenzidine
Concen: 35.21 ug/L
RT: 12.25 min Scan# 1829
Delta R.T. 0.10 min
Lab File: AT03702.D
Acq: 1 Mar 2005 2:48 pm

Tgt Ion:252 Resp: 1221

Ion	Ratio	Lower	Upper
252	100		
254	63.4	33.6	93.6
181	0.0	0.0	38.3

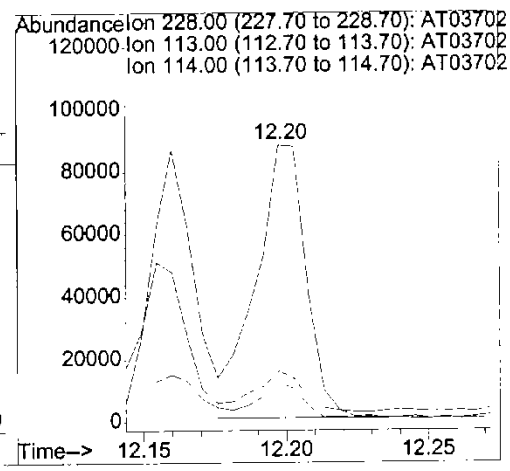


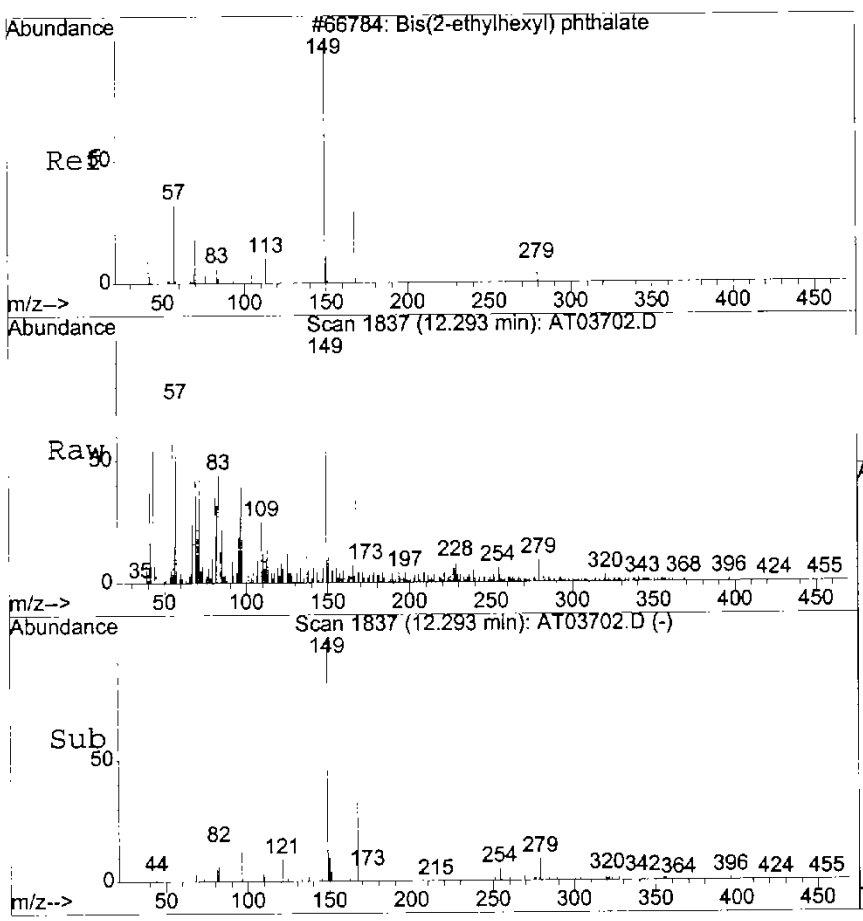


#84
Chrysene
Concen: 187.02 ug/L
RT: 12.20 min Scan# 1819
Delta R.T. 0.01 min
Lab File: AT03702.D
Acq: 1 Mar 2005 2:48 pm

Tgt Ion:228 Resp: 105799

Ion	Ratio	Lower	Upper
228	100		
113	13.9	0.0	42.9
114	11.8	0.0	41.2

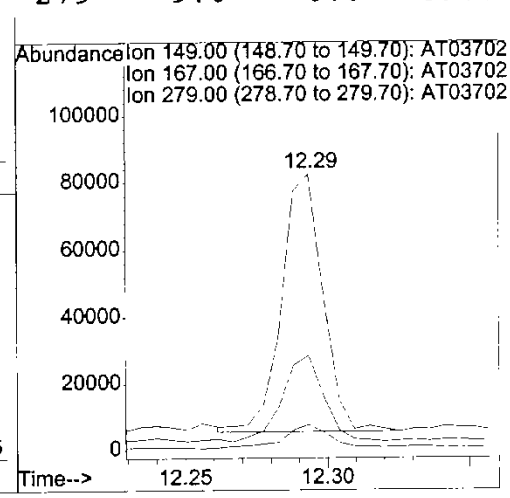


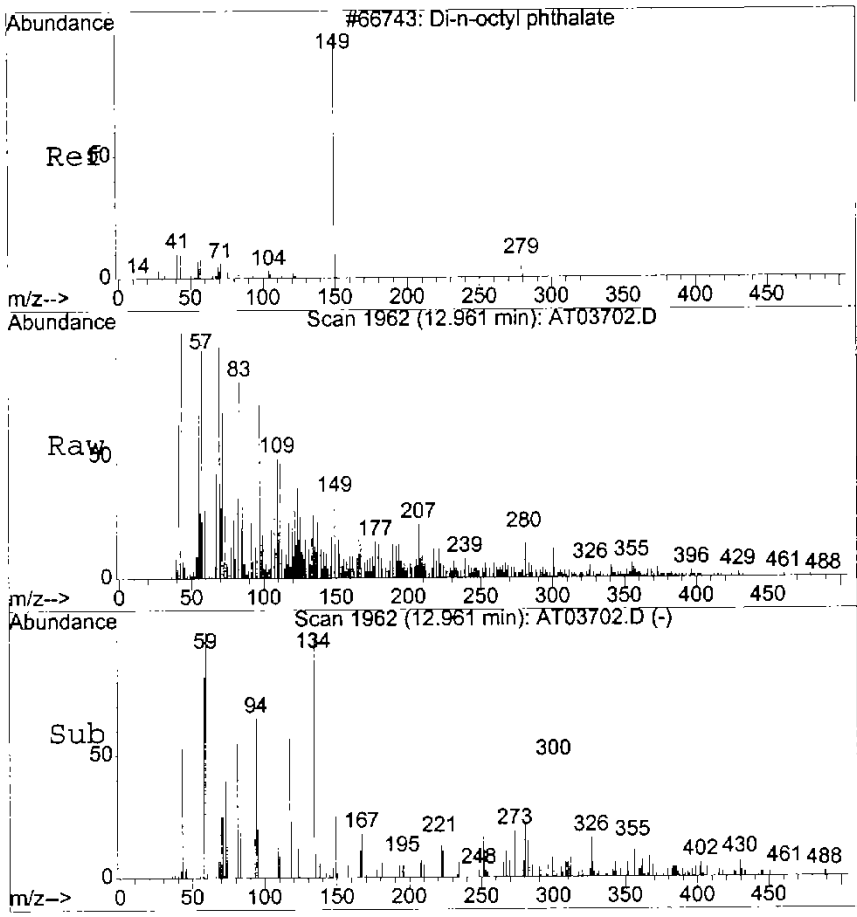


#85
bis(2-Ethylhexyl)phthalate
Concen: 221.64 ug/L
RT: 12.29 min Scan# 1837
Delta R.T. 0.01 min
Lab File: AT03702.D
Acq: 1 Mar 2005 2:48 pm

Tgt Ion:149 Resp: 77692

Ion	Ratio	Lower	Upper
149	100		
167	33.2	2.4	62.4
279	9.0	0.0	39.8

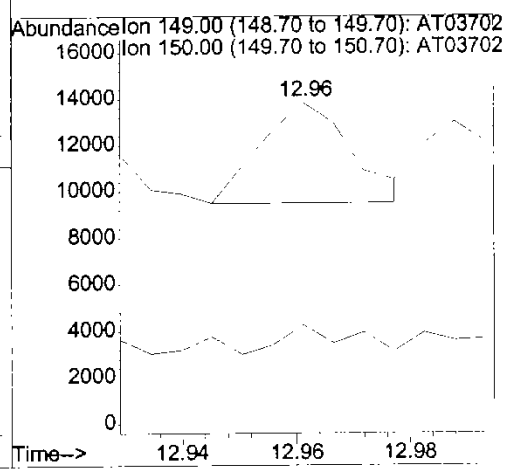


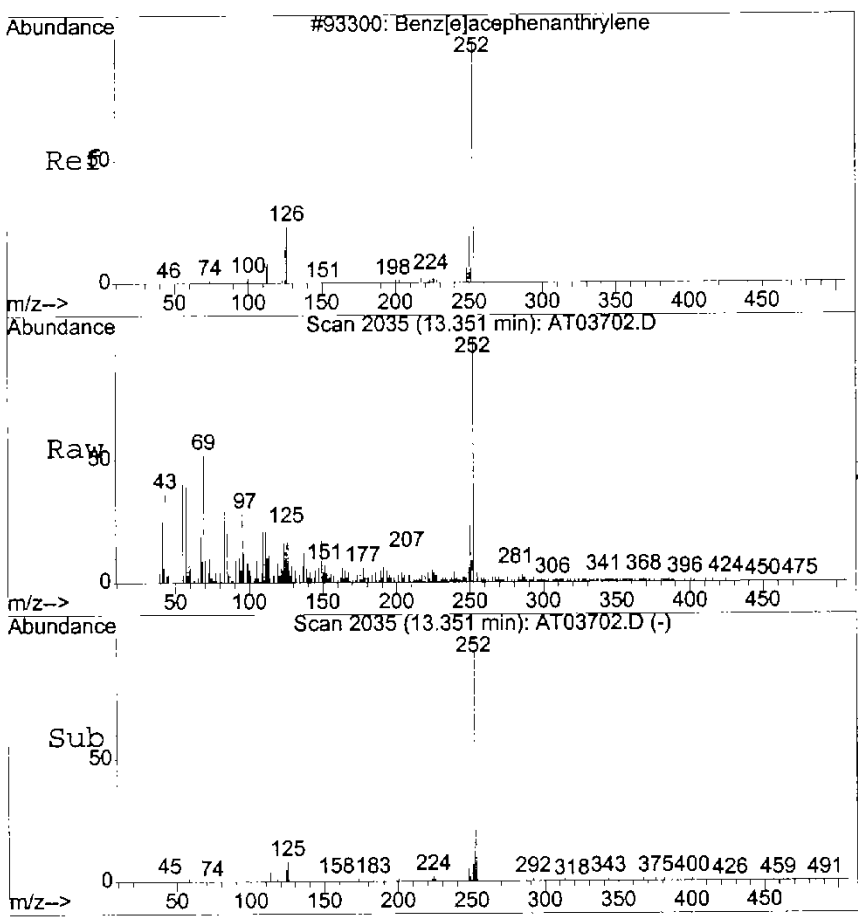


#87
Di-n-octylphthalate
Concen: 8.28 ug/L
RT: 12.96 min Scan# 1962
Delta R.T. 0.01 min
Lab File: AT03702.D
Acq: 1 Mar 2005 2:48 pm

Tgt Ion:149 Resp: 4805

Ion	Ratio	Lower	Upper
149	100		
150	21.0	0.0	39.5

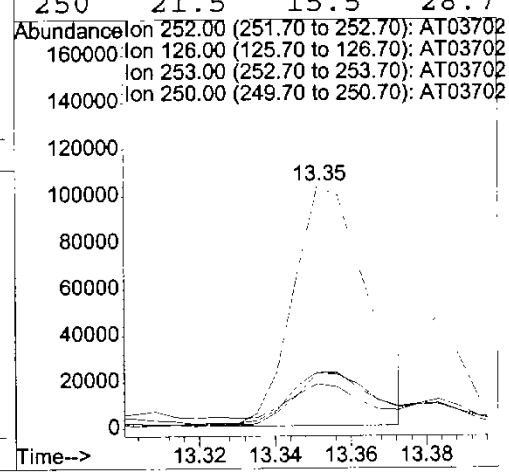


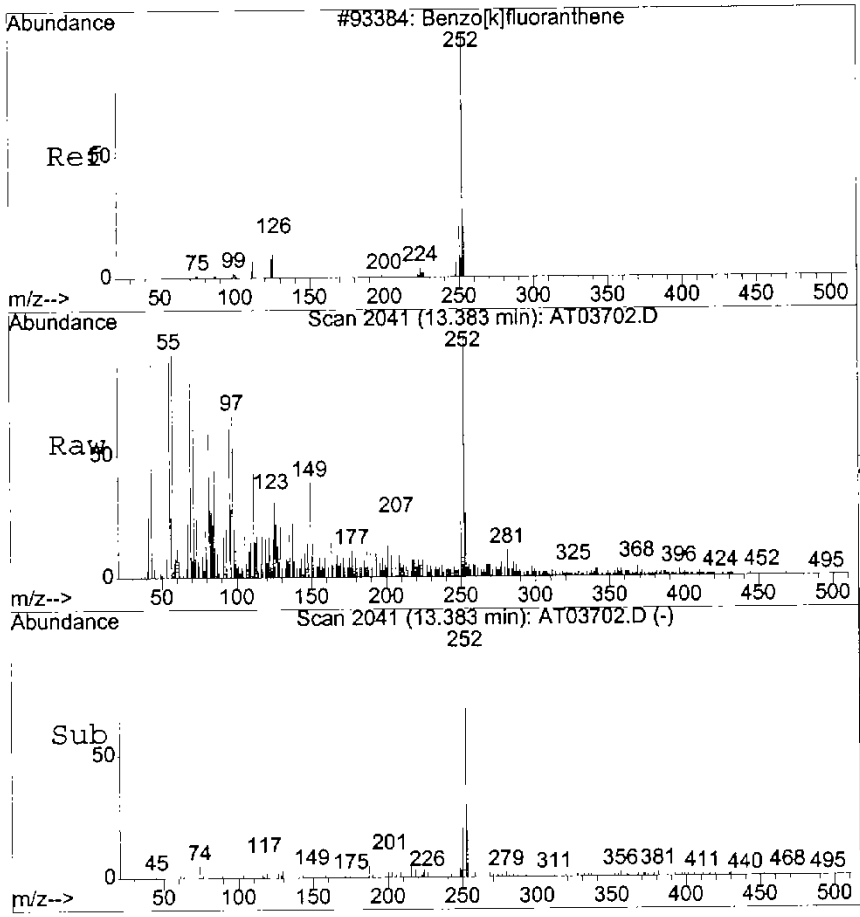


#88
Benzo(b)fluoranthene
Concen: 228.08 ul/l
RT: 13.35 min Scan# 2035
Delta R.T. 0.01 min
Lab File: AT03702.D
Acq: 1 Mar 2005 2:48 pm

Tgt Ion:252 Resp: 141471

Ion	Ratio	Lower	Upper
252	100		
126	14.8	11.5	21.5
253	21.5	15.2	28.2
250	21.5	15.5	28.7

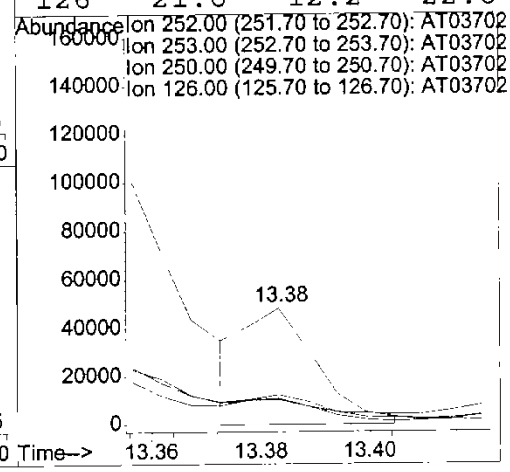


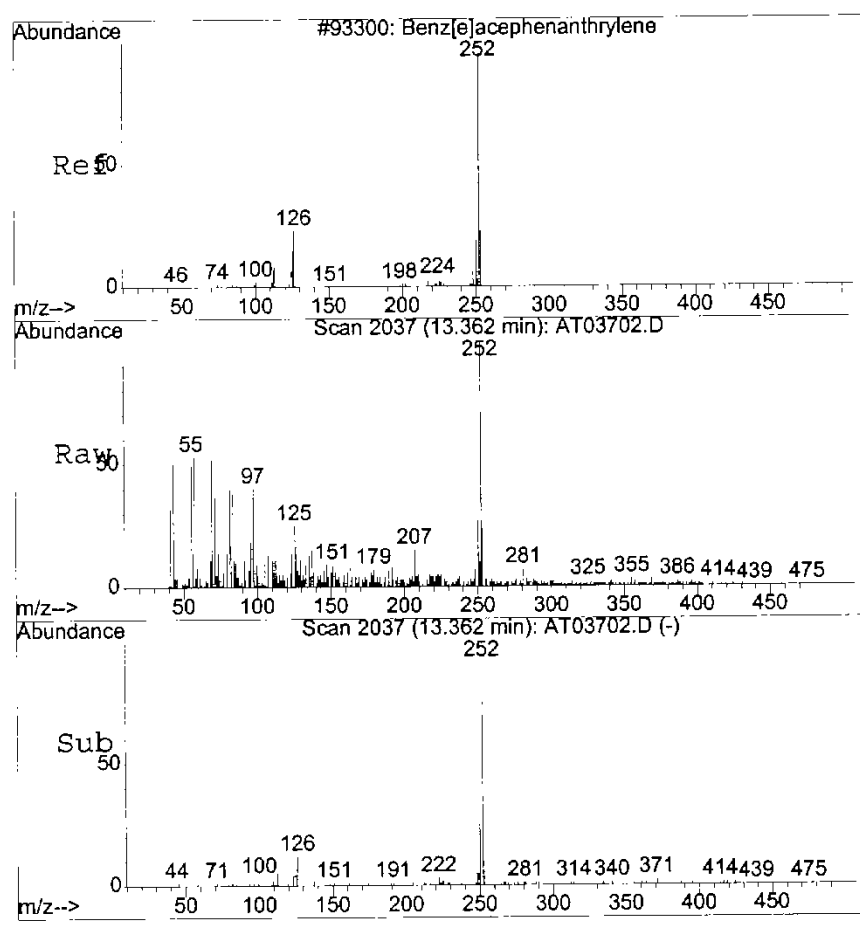


#89
benzo(k)fluoranthene
Concen: 79.08 ul/l m
RT: 13.38 min Scan# 2041
Delta R.T. 0.01 min
Lab File: AT03702.D
Acq: 1 Mar 2005 2:48 pm

Tgt Ion:252 Resp: 45427

Ion	Ratio	Lower	Upper
252	100		
253	25.7	15.3	28.5
250	22.7	15.5	28.9
126	21.6	12.2	22.6

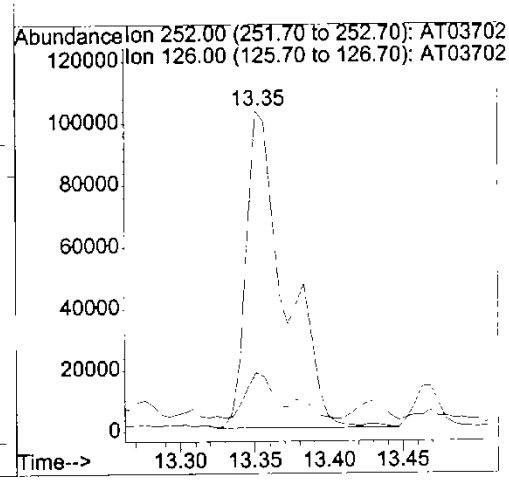


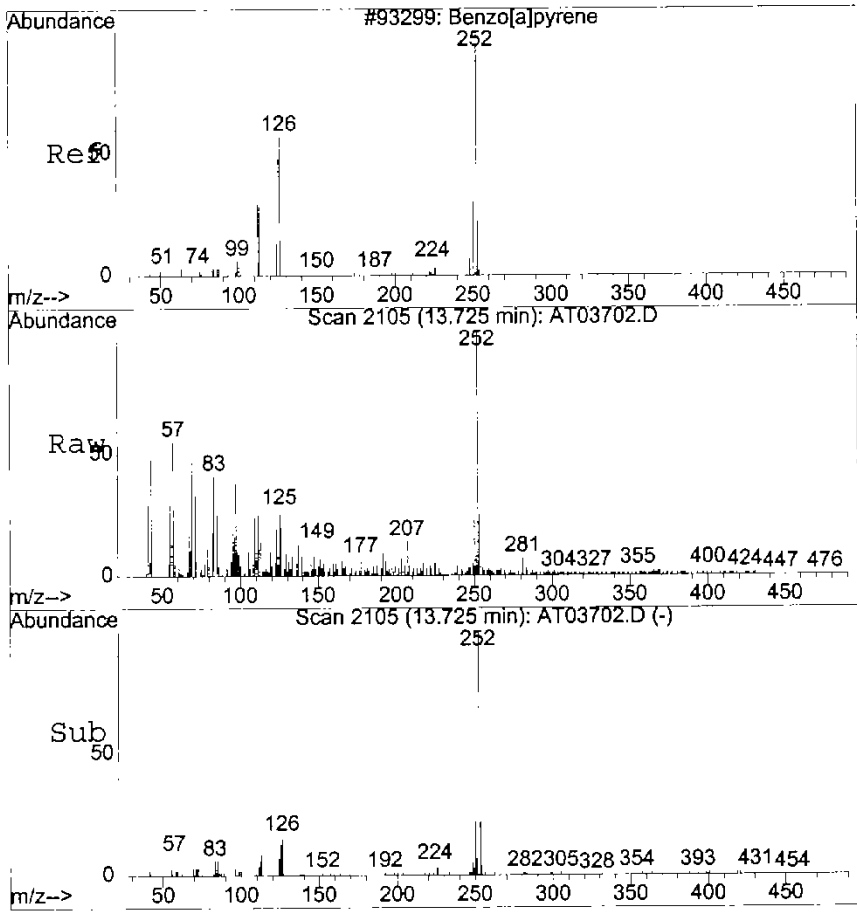


#90
Benzofluoranthenes
Concen: 321.52 ug/L
RT: 13.36 min Scan# 2037
Delta R.T. 0.01 min
Lab File: AT03702.D
Acq: 1 Mar 2005 2:48 pm

Tgt Ion:252 Resp: 187086

Ion	Ratio	Lower	Upper
252	100		
126	11.2	0.0	47.4

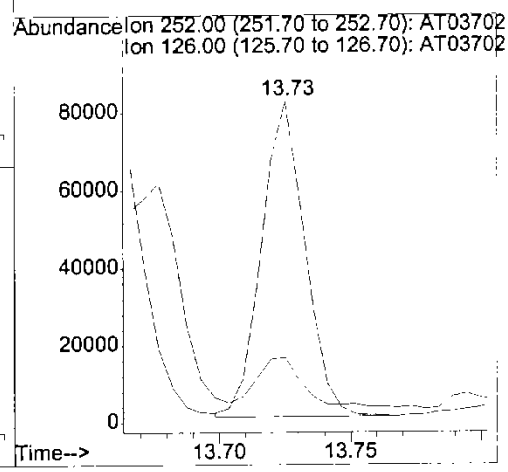


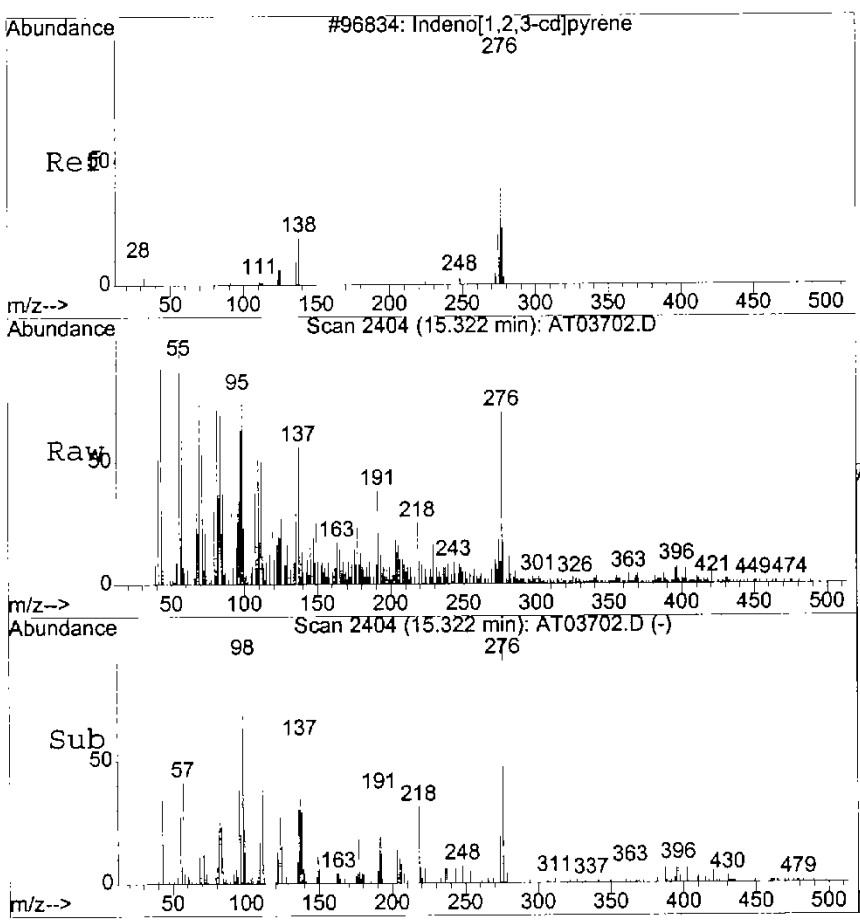


#91
Benzo(a)pyrene
Concen: 187.53 ug/L
RT: 13.72 min Scan# 2105
Delta R.T. 0.01 min
Lab File: AT03702.D
Acq: 1 Mar 2005 2:48 pm

Tgt Ion:252 Resp: 93557

Ion	Ratio	Lower	Upper
252	100		
126	14.4	0.0	45.3

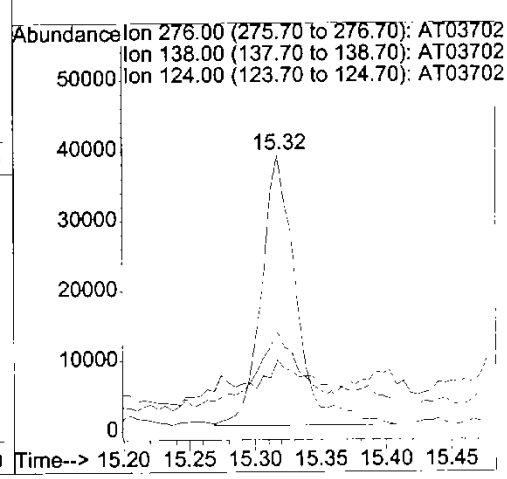


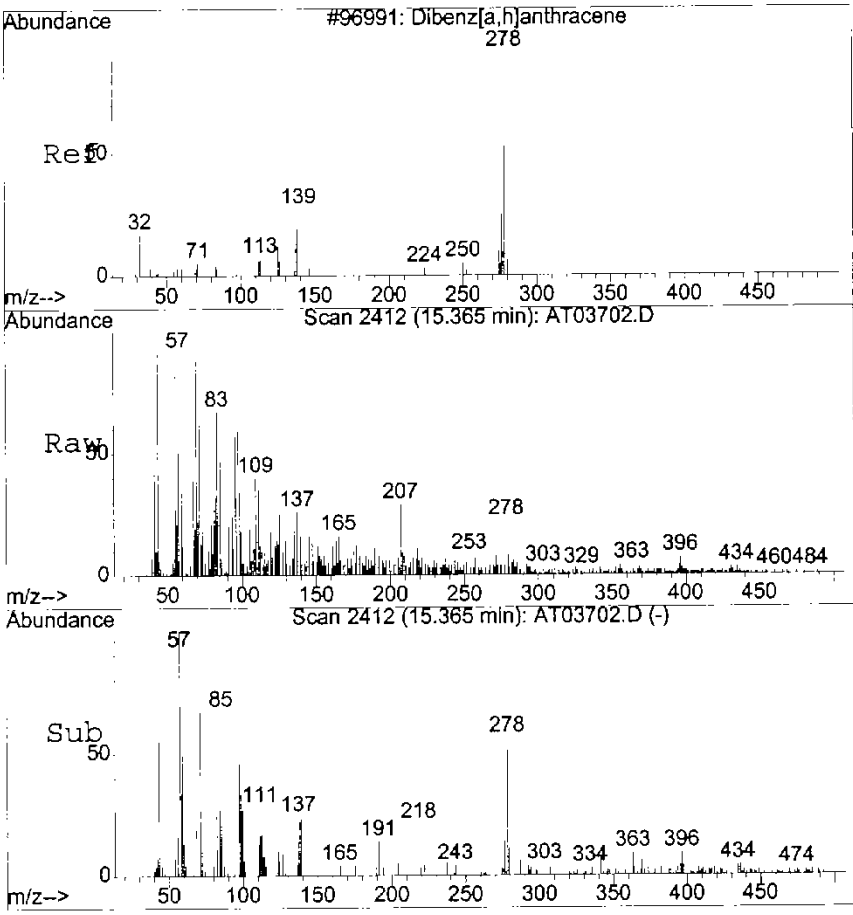


#92
Indeno(1,2,3-cd)pyrene
Concen: 147.76 ug/L
RT: 15.32 min Scan# 2404
Delta R.T. 0.03 min
Lab File: AT03702.D
Acq: 1 Mar 2005 2:48 pm

Tgt Ion:276 Resp: 71263

Ion	Ratio	Lower	Upper
276	100		
138	24.9	0.0	51.8
124	8.7	0.0	35.4

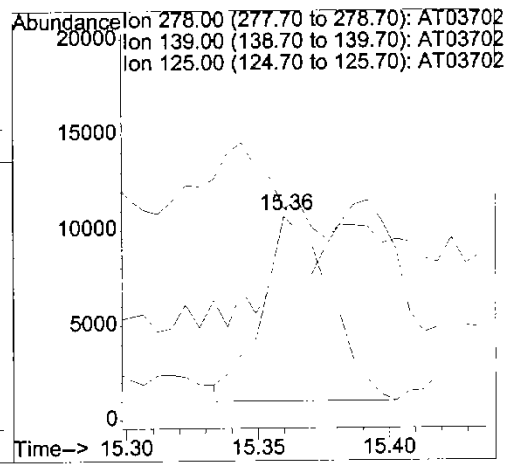


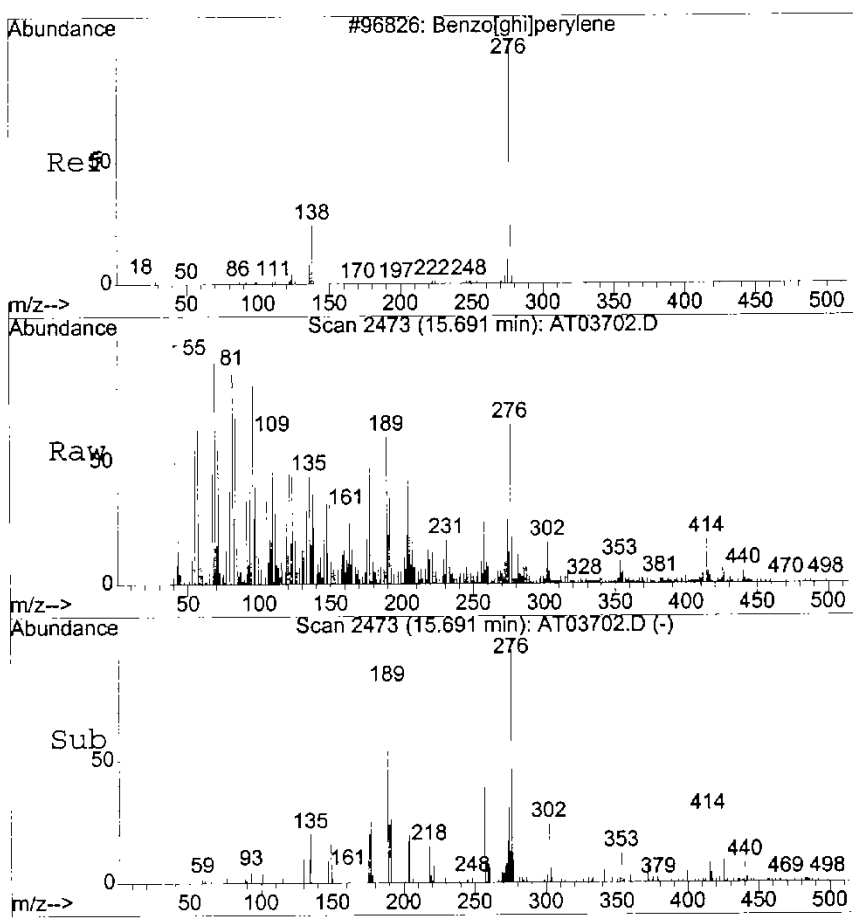


#93
Dibenz(a,h)anthracene
Concen: 42.27 ug/L
RT: 15.36 min Scan# 2412
Delta R.T. 0.02 min
Lab File: AT03702.D
Acq: 1 Mar 2005 2:48 pm

Tgt Ion:278 Resp: 17427

Ion	Ratio	Lower	Upper
278	100		
139	0.0	0.0	46.7
125	5.1	0.0	35.8

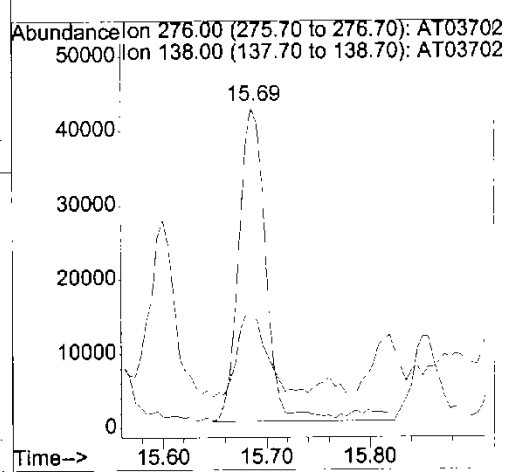




#94
Benzo(g,h,i)perylene
Concen: 142.28 ug/L
RT: 15.69 min Scan# 2473
Delta R.T. 0.03 min
Lab File: AT03702.D
Acq: 1 Mar 2005 2:48 pm

Tgt Ion:276 Resp: 79281

Ion	Ratio	Lower	Upper
276	100		
138	18.3	0.0	54.3

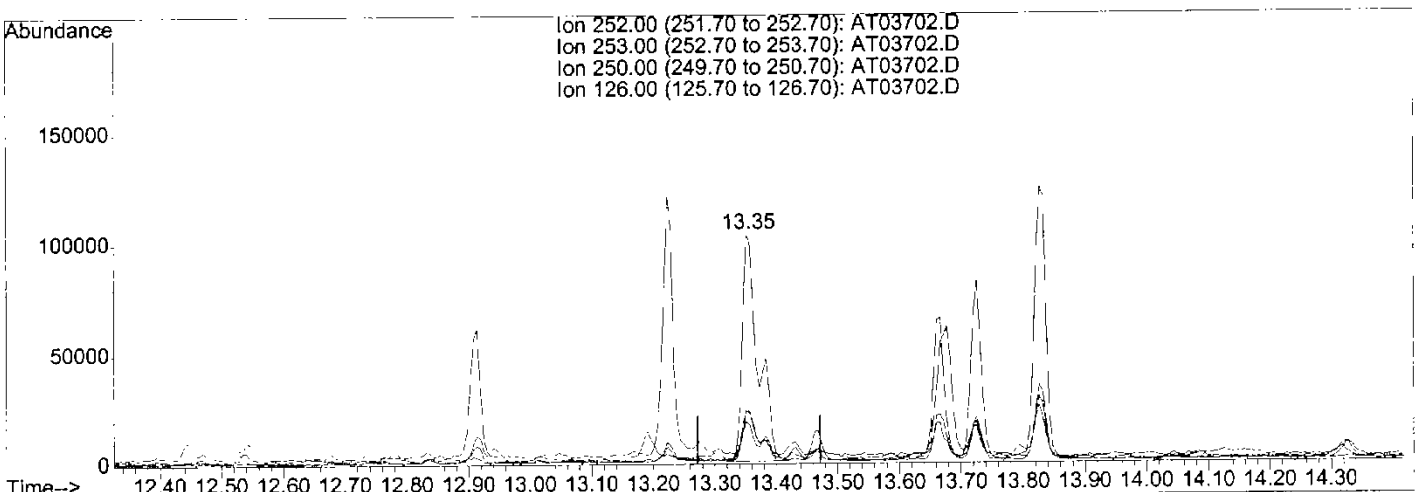


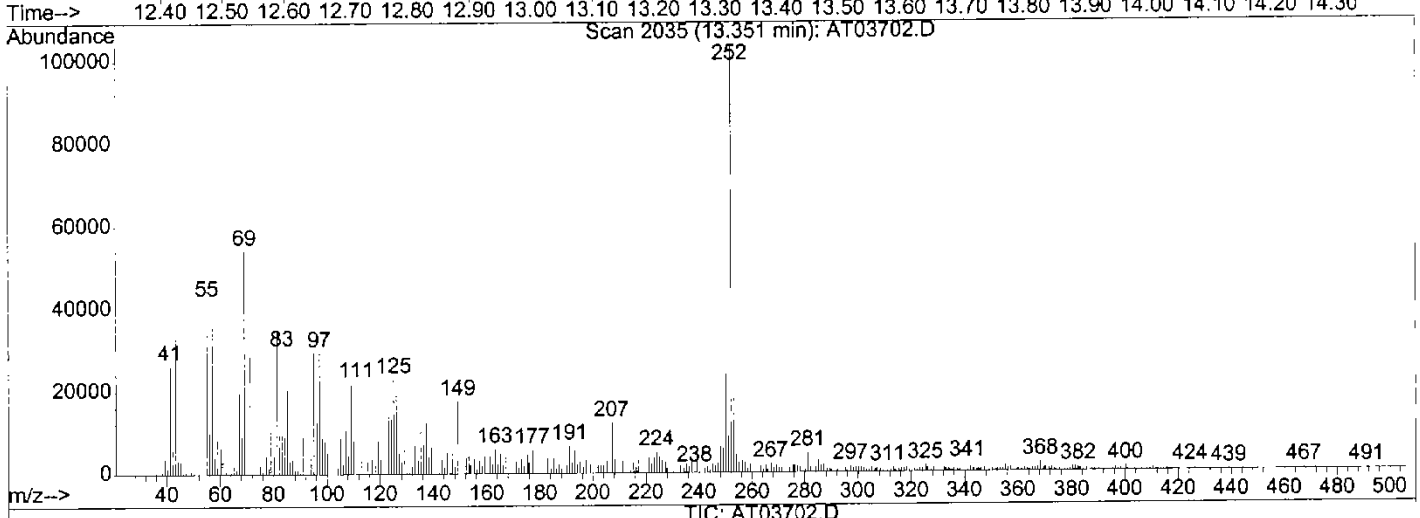
Quantitation Report (Qedit)

Data File : H:\DATA\030105_A\AT03702.D
Acq On : 1 Mar 2005 2:48 pm
Sample : 126377-8 &1 1:5 ss1343
Misc :
MS Integration Params: Rteint.p
Quant Time: Mar 2 6:26 2005

Vial: 16
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: temp.res

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Feb 28 14:16:48 2005
Response via : Multiple Level Calibration





(89) benzo(k)fluoranthene (T)

13.35min 322.08ul/l

response 185016

Ion	Exp%	Act%
252.00	100	100
253.00	21.90	20.92
250.00	22.20	20.45
126.00	17.40	12.35

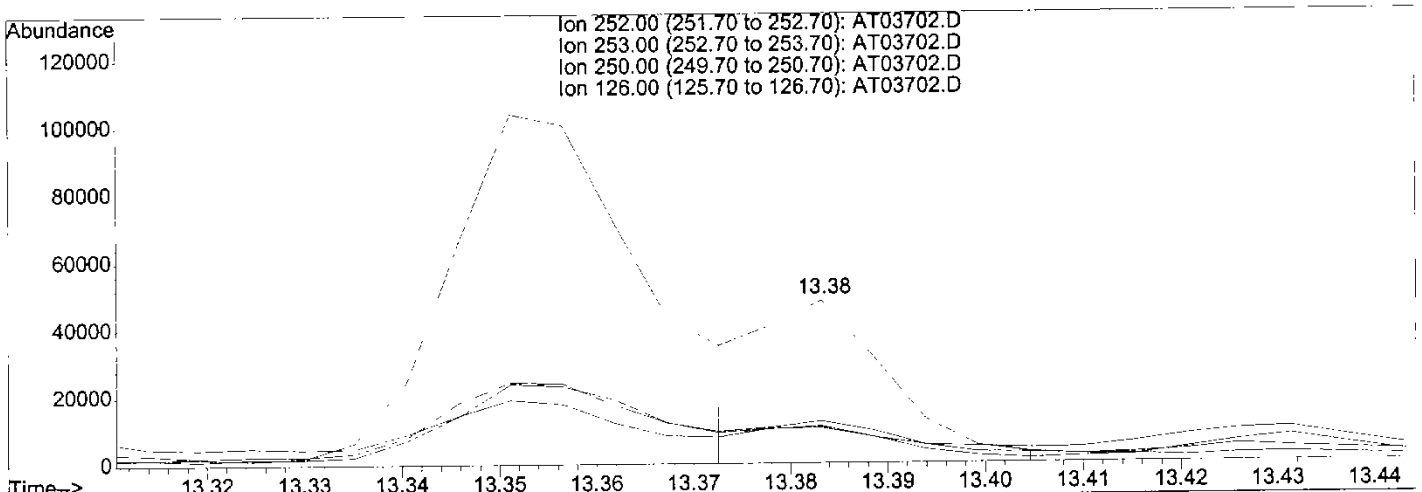
Quantitation Report (Qedit)

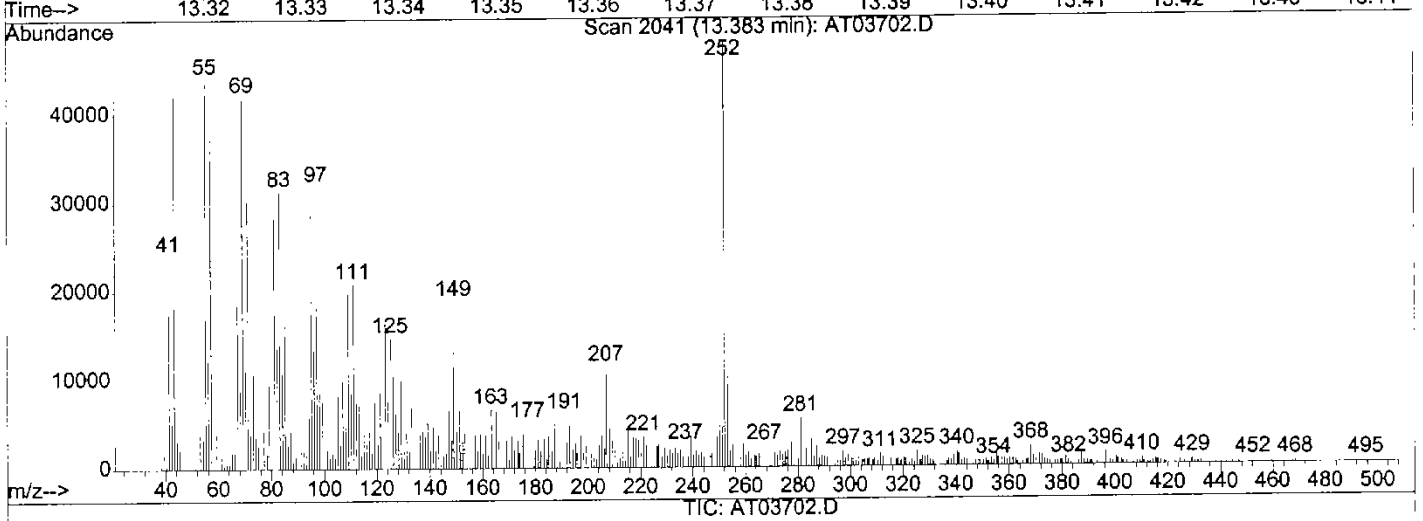
Data File : H:\DATA\030105_A\AT03702.D
Acq On : 1 Mar 2005 2:48 pm
Sample : 126377-8 &1 1:5 ss1343
Misc :
MS Integration Params: Rteint.p
Quant Time: Mar 2 6:31 2005

Vial: 16
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00

Quant Results File: temp.res

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Feb 28 14:16:48 2005
Response via : Multiple Level Calibration





(89) benzo(k)fluoranthene (T)

13.38min 79.08ul/l m

response 45427

Ion	Exp%	Act%
252.00	100	100
253.00	21.90	25.72
250.00	22.20	22.66
126.00	17.40	21.63

3/2/05

00761

INITIAL CALIBRATION

Calibration Status Report hpc890gcm

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Fri Feb 25 12:12:29 2005
Response via : Initial Calibration

#	ID	Conc	ISTD Conc	Path\File
1	20	100	1000	H:\DATA\022505_A\AT03669.D
2	50	250	1000	H:\DATA\022505_A\AT03668.D
3	100	500	1000	H:\DATA\022505_A\AT03667.D
4	200	1000	1000	H:\DATA\022505_A\AT03666.D
5	500	2500	1000	H:\DATA\022505_A\AT03665.D
6	1000	5000	1000	H:\DATA\022505_A\AT03664.D
7	2500	12500	1000	H:\DATA\022505_A\AT03662.D

2000 1
H:\Data\022505_A\AT03663
KM
2/25/05

#	ID	Update Time	Quant Time	Acquisition Time
1	20	Feb 25 12:05 2005	Feb 25 12:06 2005	25 Feb 2005 11:32 am
2	50	Feb 25 12:05 2005	Feb 25 12:06 2005	25 Feb 2005 11:04 am
3	100	Feb 25 12:05 2005	Feb 25 12:06 2005	25 Feb 2005 10:36 am
4	200	Feb 25 12:05 2005	Feb 25 12:06 2005	25 Feb 2005 10:09 am
5	500	Feb 25 12:04 2005	Feb 25 12:05 2005	25 Feb 2005 9:41 am
6	1000	Feb 25 12:04 2005	Feb 25 12:05 2005	25 Feb 2005 9:14 am
7	2500	Feb 25 12:04 2005	Feb 25 12:04 2005	25 Feb 2005 8:19 am

2000 Feb 25 KM 2/25/05

8270_022505.M Fri Feb 25 12:26:05 2005 MSD1

3-nitroaniline is ~~very poor~~ failing.
new standards are most likely ~~necessary~~ needed.
compound list reported doesn't include the anilines
KM 2/25/05

Injection Log

Directory: H:\DATA\022505_A

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	At03660.d	1.	rinse		25 Feb 2005 07:06
2	2	At03661.d	1.	dftpp		25 Feb 2005 07:30
3	3	At03662.d	1.	1281-1-9 2500 8270 ical		25 Feb 2005 08:19
4	4	At03663.d	1.	1281-1-8 2000 8270 ical		25 Feb 2005 08:46
5	5	At03664.d	1.	1281-1-6 1000 8270 ical		25 Feb 2005 09:14
6	6	At03665.d	1.	1281-1-5 500 8270 ical		25 Feb 2005 09:41
7	7	At03666.d	1.	1281-1-4 200 8270 ical		25 Feb 2005 10:09
8	8	At03667.d	1.	1281-1-3 100 8270 ical		25 Feb 2005 10:36
9	9	At03668.d	1.	1281-1-2 50 8270 ical		25 Feb 2005 11:04
10	10	At03669.d	1.	1281-1-1 20 8270 ical		25 Feb 2005 11:32
11	11	At03670.d	1.	1281-1-10 1000 8270 ocs		25 Feb 2005 11:59

00764

Response Factor Report hp6890gcm

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Fri Feb 25 12:12:29 2005
Response via : Initial Calibration

Calibration Files
20 =AT03669.D 50 =AT03668.D 100 =AT03667.D
200 =AT03666.D 500 =AT03665.D 1000 =AT03664.D

		Compound	20	50	100	200	500	1000	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------	----------	----------	ISTD	----------	----------		
2)	T	N-Nitrosodimeth		0.207	0.335	0.418	0.477	0.539	0.440	29.67
3)	T	Pyridine		0.466	0.683	0.754	0.869	1.045	0.829	25.13
4)	S	2 - Fluoropheno		0.723	0.758	0.765	0.866	0.932	0.837	10.38
5)	T	Cyclohexanone			0.630	0.624	0.637	0.688	0.656	4.73
6)	T	Benzaldehyde	0.671	0.678	0.736	0.766	0.763	0.818	0.757	7.78
7)	T	Aniline			0.698	0.896	1.002	1.071	0.941	14.25
8)	S	Phenol - d5 (S)		0.759	0.844	0.856	0.961	1.082	0.942	13.30
9)	TCM	Phenol		0.751	0.866	0.961	1.068	1.168	1.005	15.28
10)	T	bis(2-Chloroeth			0.934	0.931	0.986	1.043	0.990	4.94
11)	TM	2-Chlorophenol		0.741	0.820	0.899	0.977	1.045	0.925	12.01
12)	T	Decane		0.943	1.011	1.008	1.036	1.062	1.017	3.67
13)	T	1,3-Dichloroben		1.024	1.184	1.158	1.181	1.238	1.166	5.75
14)	TCM	1,4-Dichloroben		1.137	1.206	1.211	1.236	1.265	1.211	3.47
15)	T	Benzyl alcohol		0.419	0.455	0.515	0.567	0.640	0.550	16.32
16)	T	1,2-Dichloroben		1.114	1.263	1.227	1.221	1.266	1.214	4.19
17)	T	2-Methylphenol		0.583	0.659	0.707	0.785	0.862	0.751	13.95
18)	T	bis(2-chloroiso				1.062	1.076	1.109	1.072	2.05
19)	T	3-&4-Methylphen	0.466	0.580	0.671	0.710	0.783	0.887	0.722	20.13
20)	TPM	n-Nitroso-di-n-		0.317	0.422	0.488	0.534	0.587	0.498	19.81
21)	T	Acetophenone	0.788	0.984	1.084	1.103	1.202	1.325	1.126	15.75
22)	T	Hexachloroethan		0.441	0.465	0.463	0.470	0.479	0.465	2.51
23)	I	Naphthalene - d8 (I)	----------	----------	----------	ISTD	----------	----------		
24)	S	Nitrobenzene -		0.176	0.189	0.194	0.212	0.227	0.205	9.26
25)	T	Nitrobenzene		0.159	0.188	0.190	0.204	0.222	0.199	10.83
26)	T	Isophorone			0.338	0.374	0.413	0.453	0.412	11.50
27)	TC	2-Nitrophenol		0.072	0.095	0.107	0.125	0.135	0.114	20.88
28)	T	2,4-Dimethylphe		0.113	0.135	0.152	0.152	0.186	0.159	18.30
29)	T	bis(2-Chloroeth			0.231	0.241	0.260	0.274	0.256	6.77
30)	T	Benzoic Acid		0.001	0.028	0.041	0.082	0.130	0.080	72.19
31)	TC	2,4-Dichlorophe		0.097	0.135	0.155	0.185	0.203	0.168	24.18
32)	TM	1,2,4-Trichloro		0.242	0.261	0.255	0.258	0.265	0.256	2.87
33)	T	Naphthalene	0.725	0.769	0.784	0.777	0.781	0.807	0.772	3.15
34)	T	4-Chloroaniline			0.103	0.133	0.161	0.194	0.151	20.57
35)	TC	Hexachlorobutad		0.148	0.155	0.152	0.156	0.161	0.154	2.57
36)	TCM	4-Chloro-3-meth		0.081	0.104	0.132	0.159	0.186	0.147	28.56
37)	T	2-Methylnaphtha	0.378	0.372	0.403	0.409	0.423	0.447	0.409	6.00
38)	T	1-Methylnaphtha	0.379	0.406	0.433	0.437	0.434	0.458	0.426	5.51
39)	I	Acenaphthene - d10 (I	----------	----------	----------	ISTD	----------	----------		
40)	TP	Hexachlorocyclo		0.185	0.194	0.215	0.244	0.280	0.242	18.64
41)	T	2,3-Dichloroani	0.365	0.365	0.421	0.412	0.456	0.496	0.432	11.45

(#) = Out of Range ### Number of calibration levels exceeded format ###

00765

Response Factor Report hp6890gcm

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Fri Feb 25 12:12:29 2005
Response via : Initial Calibration

Calibration Files
20 =AT03669.D 50 =AT03668.D 100 =AT03667.D
200 =AT03666.D 500 =AT03665.D 1000 =AT03664.D

		Compound	20	50	100	200	500	1000	Avg	%RSD
42)	TC	2,4,6-Trichloro		0.128	0.179	0.216	0.253	0.288	0.235	27.07
43)	T	2,4,5-Trichloro		0.137	0.198	0.227	0.270	0.303	0.247	25.54
44)	S	2 - Fluorobiphe		1.030	1.078	1.065	1.087	1.126	1.079	2.92
45)	T	2-Chloronaphtha	0.840	0.817	0.851	0.862	0.904	0.934	0.873	4.46
46)	T	Biphenyl	1.042	1.065	1.136	1.102	1.135	1.204	1.121	4.65
47)	T	2-Nitroaniline	0.105	0.104	0.176	0.188	0.222	0.269	0.198	33.84
48)	T	Dimethylphthala			0.825	0.868	0.934	1.028	0.939	8.46
49)	T	Acenaphthylene	1.205	1.206	1.337	1.376	1.454	1.532	1.379	8.88
50)	T	2,6-Dinitrotolu		0.150	0.169	0.190	0.220	0.249	0.208	18.72
51)	T	3-Nitroaniline	0.005	0.033	0.057	0.078	0.113	0.092	0.054	68.74
52)	TCM	Acenaphthene	0.917	0.865	0.903	0.909	0.918	0.953	0.907	2.80
53)	TP	2,4-Dinitrophen		0.001	0.025	0.038	0.082	0.125	0.077	72.74
54)	TPM	4-Nitrophenol				0.034	0.088	0.146	0.116	46.55
55)	T	Dibenzofuran		1.153	1.175	1.204	1.234	1.305	1.216	4.16
56)	TM	2,4-Dinitrotolu		0.149	0.192	0.227	0.285	0.319	0.253	25.44
57)	T	2,3,4,6-Tetrach			0.139	0.176	0.224	0.259	0.216	22.52
58)	T	2,3,5,6-Tetrach			0.186	0.211	0.236	0.270	0.234	13.11
59)	T	Diethylphthalat			1.045	0.967	0.966	1.046	0.993	4.11
60)	T	Fluorene	0.815	0.829	0.907	0.931	0.972	1.060	0.936	8.96
61)	T	4-Chlorophenylp			0.464	0.488	0.499	0.529	0.492	4.42
62)	T	4-Nitroaniline			0.136	0.152	0.157	0.127	0.134	17.32
63)	I	Phenanthrene - d10 (I ----------ISTD----------								
64)	T	4,6-Dinitro-2-m			0.043	0.058	0.087	0.107	0.086	33.86
65)	T	n-Nitrosodiphen	0.213	0.311	0.328	0.344	0.370	0.399	0.338	17.02
66)	S	2,4,6 - Tribrom		0.054	0.068	0.079	0.091	0.101	0.085	21.78
67)	T	Azobenzene			0.358	0.382	0.421	0.436	0.406	7.37
68)	T	4-Bromophenylph			0.164	0.164	0.170	0.174	0.169	2.46
69)	T	Hexachlorobenze	0.211	0.221	0.217	0.223	0.220	0.224	0.219	1.87
70)	TCM	Pentachlorophen			0.057	0.063	0.085	0.107	0.090	29.10
71)	T	Phenanthrene	0.777	0.814	0.805	0.812	0.832	0.847	0.815	2.51
72)	T	Anthracene	0.589	0.666	0.704	0.722	0.792	0.829	0.739	11.38
73)	T	Octadecane	0.183	0.200	0.221	0.226	0.251	0.269	0.237	14.47
74)	T	Carbazole		0.458	0.524	0.561	0.605	0.531	0.501	17.76
75)	T	Di-n-butylphtha				0.754	0.838	0.946	0.876	9.20
76)	TC	Fluoranthene	0.689	0.702	0.793	0.808	0.869	0.940	0.832	12.11
77)	TM	Pyrene	0.737	0.751	0.837	0.847	0.910	0.955	0.863	9.83
78)	T	Benzidine	0.121	0.127	0.107	0.124	0.113		0.118	6.89
79)	S	p - Terphenyl -	0.508	0.557	0.583	0.586	0.629	0.665	0.605	9.36
80)	I	Chrysene - d12 (I) ----------ISTD----------								
81)	T	Butylbenzylphth				0.244	0.297	0.350	0.320	15.24
82)	T	Benzo(a)anthrac	0.673	0.628	0.677	0.698	0.746	0.806	0.726	9.21
83)	T	3,3'-Dichlorobe		0.113	0.132	0.148	0.207	0.242	0.177	26.33

(#) = Out of Range ### Number of calibration levels exceeded format ###

007766

Response Factor Report hp6890gcm

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Fri Feb 25 12:12:29 2005
Response via : Initial Calibration

Calibration Files
20 =AT03669.D 50 =AT03668.D 100 =AT03667.D
200 =AT03666.D 500 =AT03665.D 1000 =AT03664.D

		Compound	20	50	100	200	500	1000	Avg	%RSD
84)	T	Chrysene	0.771	0.743	0.767	0.755	0.751	0.777	0.757	1.76
85)	T	bis(2-Ethylhexy				0.360	0.443	0.511	0.469	14.65
86)	I	Perylene - d12 (I)	----------ISTD----------							
87)	TC	Di-n-octylphtha				0.522	0.702	0.875	0.775	20.90
88)	T	Benzo(b)fluoran	0.574	0.586	0.704	0.739	0.799	0.860	0.754	16.71
89)	T	benzo(k)fluoran	0.560	0.657	0.732	0.759	0.846	0.906	0.768	14.98
90)	T	Benzofluoranthe	0.603	0.648	0.738	0.769	0.835	0.893	0.777	13.91
91)	TC	Benzo(a)pyrene	0.485	0.504	0.579	0.676	0.730	0.797	0.667	19.17
92)	T	Indeno(1,2,3-cd	0.295	0.420	0.487	0.576	0.642	0.749	0.582	29.20
93)	T	Dibenz(a,h)anth	0.513	0.523	0.660	0.632	0.717	0.782	0.676	16.87
94)	T	Benzo(g,h,i)per	0.568	0.635	0.723	0.735	0.798	0.848	0.745	13.43

(#) = Out of Range ### Number of calibration levels exceeded format ###

00767

CORPS OCS and %RSD

Data File Name AT03670.D
Data File Path H:\DATA\022505_A\
Operator RBF
Date Acquired 2/25/2005 11:59
Sample Name 1281-1-10 1000 8270 ocs
Instrument Name hp6890gcm

#	Name	Amount	TrueValue (ug/L)	%Drift	70-130	%RSD
2)	N-Nitrosodimethylamine	4206.05	5000	15.90%	PASS	99.97%
3)	Pyridine	4765.33	5000	4.69%	PASS	99.87%
4)	2 - Fluorophenol (S)	964.58	1000	3.54%	PASS	10.38%
5)	Cyclohexanone	588.83	1000	41.12%	Faillow	4.73%
6)	Benzaldehyde	974.26	1000	2.57%	PASS	7.78%
7)	Aniline	1142.76	1000	-14.28%	PASS	99.63%
8)	Phenol - d5 (S)	985.88	1000	1.41%	PASS	13.30%
9)	Phenol	1098.73	1000	-9.87%	PASS	15.28%
10)	bis(2-Chloroethyl)ether	995.62	1000	0.44%	PASS	4.94%
11)	2-Chlorophenol	1089.69	1000	-8.97%	PASS	12.01%
12)	Decane	915.33	1000	8.47%	PASS	3.67%
13)	1,3-Dichlorobenzene	1035.37	1000	-3.54%	PASS	5.75%
14)	1,4-Dichlorobenzene	1047.68	1000	-4.77%	PASS	3.47%
15)	Benzyl alcohol	951.59	1000	4.84%	PASS	99.81%
16)	1,2-Dichlorobenzene	1033.77	1000	-3.38%	PASS	4.19%
17)	2-Methylphenol	1105.13	1000	-10.51%	PASS	13.95%
18)	bis(2-chloroisopropyl)ether	970.18	1000	2.98%	PASS	2.05%
19)	3-&4-Methylphenol	1010.45	1000	-1.05%	PASS	99.79%
20)	n-Nitroso-di-n-propylamine	964.25	1000	3.58%	PASS	99.91%
21)	Acetophenone	948.15	1000	5.19%	PASS	99.81%
23)	Naphthalene - d8 (I)	1000.00	1000	0.00%	PASS	0.00%
24)	Nitrobenzene - d5 (S)	964.98	1000	3.50%	PASS	9.26%
25)	Nitrobenzene	1058.17	1000	-5.82%	PASS	10.83%
26)	Isophorone	947.93	1000	5.21%	PASS	11.50%
27)	2-Nitrophenol	1087.25	1000	-8.73%	PASS	20.88%
28)	2,4-Dimethylphenol	1135.83	1000	-13.58%	PASS	99.75%
29)	bis(2-Chloroethoxy)methane	1058.18	1000	-5.82%	PASS	6.77%
30)	Benzoic Acid	3046.98	4000	23.83%	PASS	99.64%
31)	2,4-Dichlorophenol	1172.19	1000	-17.22%	PASS	24.18%
32)	1,2,4-Trichlorobenzene	1047.42	1000	-4.74%	PASS	2.87%
33)	Naphthalene	1035.50	1000	-3.55%	PASS	3.15%
34)	4-Chloroaniline	1229.14	1000	-22.91%	PASS	20.57%
35)	Hexachlorobutadiene	1030.28	1000	-3.03%	PASS	2.57%
36)	4-Chloro-3-methylphenol	952.68	1000	4.74%	PASS	99.81%
37)	2-Methylnaphthalene	1060.41	1000	-6.04%	PASS	6.00%
38)	Acenaphthene - d10 (I)	1000.00	1000	0.00%	PASS	0.00%
40)	Hexachlorocyclopentadiene	827.43	1000	17.26%	PASS	99.76%
41)	2,3-Dichloroaniline	1017.83	1000	-1.78%	PASS	11.45%
42)	2,4,6-Trichlorophenol	1145.28	1000	-14.53%	PASS	27.07%
43)	2,4,5-Trichlorophenol	981.00	1000	1.90%	PASS	99.91%
44)	2 - Fluorobiphenyl (S)	967.67	1000	3.24%	PASS	2.92%
45)	2-Chloronaphthalene	1044.32	1000	-4.43%	PASS	4.46%
46)	Biphenyl	1026.52	1000	-2.65%	PASS	4.65%
47)	2-Nitroaniline	953.93	1000	4.61%	PASS	99.58%
48)	Dimethylphthalate	1016.32	1000	-1.63%	PASS	8.46%
49)	Acenaphthylene	1006.03	1000	-0.60%	PASS	8.88%
50)	2,6-Dinitrotoluene	983.39	1000	1.66%	PASS	99.86%
51)	3-Nitroaniline	2932.85	1000	-193.28%	Failhigh	54.66%
52)	Acenaphthene	1015.73	1000	-1.57%	PASS	2.80%
53)	2,4-Dinitrophenol	5054.80	5000	-1.10%	PASS	99.83%
54)	4-Nitrophenol	4068.12	5000	18.64%	PASS	99.66%
55)	Dibenzofuran	1020.11	1000	-2.01%	PASS	4.16%
56)	2,4-Dinitrotoluene	985.94	1000	1.41%	PASS	99.81%
57)	2,3,4,6-Tetrachlorophenol	993.54	1000	0.65%	PASS	99.86%
58)	2,3,5,6-Tetrachlorophenol	1054.60	1000	-5.46%	PASS	13.11%
59)	Diethylphthalate	955.01	1000	4.50%	PASS	4.11%
60)	Fluorene	1035.51	1000	-3.55%	PASS	8.96%
61)	4-Chlorophenylphenylether	1028.38	1000	-2.84%	PASS	4.42%
63)	Phenanthrene - d10 (I)	1000.00	1000	0.00%	PASS	0.00%
64)	4,6-Dinitro-2-methylphenol	4757.92	5000	4.84%	PASS	99.80%
65)	n-Nitrosodiphenylamine	1190.60	1000	-19.06%	PASS	99.88%
66)	2,4,6 - Tribromophenol (S)	954.06	1000	4.59%	PASS	99.92%
67)	Azobenzene	1005.93	1000	-0.59%	PASS	7.37%
68)	4-Bromophenylphenylether	1030.81	1000	-3.08%	PASS	2.46%
69)	Hexachlorobenzene	1027.98	1000	-2.80%	PASS	1.87%
70)	Pentachlorophenol	1011.17	1000	-1.12%	PASS	29.10%
71)	Phenanthrene	994.11	1000	0.59%	PASS	2.51%
72)	Anthracene	1075.74	1000	-7.57%	PASS	11.38%
73)	Octadecane	1092.86	1000	-9.29%	PASS	14.47%
74)	Carbazole	984.63	1000	1.54%	PASS	17.76%
75)	Di-n-butylphthalate	1000.80	1000	-0.08%	PASS	9.20%
76)	Fluoranthene	1044.25	1000	-4.43%	PASS	12.11%
77)	Pyrene	1083.23	1000	-8.32%	PASS	9.83%
78)	Benzidine	899.40	2000	55.03%	Faillow	6.89%
80)	Chrysene - d12 (I)	1000.00	1000	0.00%	PASS	0.00%
81)	Butylbenzylphthalate	939.50	1000	6.05%	PASS	99.91%
82)	Benzo(a)anthracene	1030.97	1000	-3.10%	PASS	9.21%
83)	3,3'-Dichlorobenzidine	1962.50	2000	1.87%	PASS	99.02%
84)	Chrysene	983.22	1000	1.68%	PASS	1.76%
86)	Perylene - d12 (I)	1000.00	1000	0.00%	PASS	0.00%
87)	Di-n-octylphthalate	972.33	1000	2.77%	PASS	20.90%
88)	Benzo(b)fluoranthene	957.68	1000	4.23%	PASS	99.87%
89)	benzo(k)fluoranthene	1130.87	1000	-13.09%	PASS	14.98%
90)	Benzofluoranthenes	2209.63	2000	-10.48%	PASS	13.91%
91)	Benzo(a)pyrene	1137.61	1000	-13.76%	PASS	19.17%
92)	Indeno(1,2,3-cd)pyrene	942.67	1000	5.73%	PASS	99.74%
93)	Dibenz(a,h)anthracene	1020.10	1000	-2.01%	PASS	99.81%
94)	Benzo(g,h,i)perylene	1113.89	1000	-11.39%	PASS	13.43%

Benzidine
~~3-nitroaniline~~
Benzaldehyde
not on Corps list

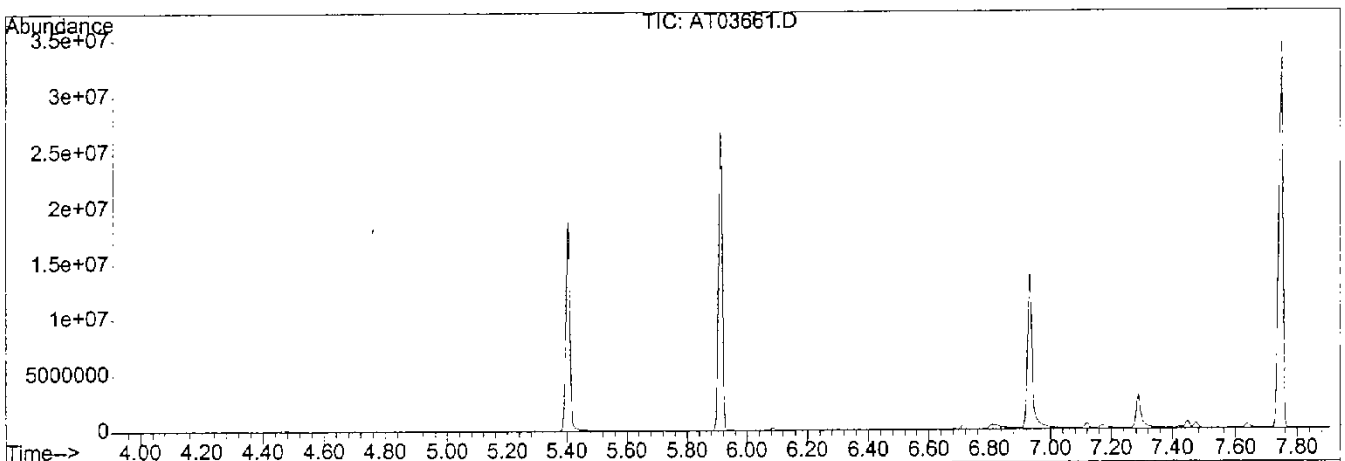
3-nitroaniline fails high
Calibration fails for lists
that include 3-nitroaniline
needs a new standard

00768

DFTPP

Data File : H:\DATA\022505_A\AT03661.D
Acq On : 25 Feb 2005 7:30 am
Sample : dftpp
Misc :
MS Integration Params: rteint.p
Method : H:\METHODSSEMI\DFTPP.M (RTE Integrator)
Title : DFTPP8270; PCP; Benzidine and DDT evaluation

Vial: 2
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00



AutoFind: Scans 529, 530, 531; Background Corrected with Scan 523

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	442	10	80	15.5	534964	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	25.4	655253	PASS
70	69	0.00	2	0.5	3363	PASS
127	442	10	80	30.4	1046378	PASS
197	198	0.00	1	0.0	0	PASS
198	442	50	100	74.8	2577408	PASS
199	198	5	9	6.7	172010	PASS
275	442	10	60	22.6	779050	PASS
365	442	1	100	3.3	114696	PASS
441	443	0.01	100	75.9	506005	PASS
442	442	50	100	100.0	3444736	PASS
443	442	15	24	19.4	667008	PASS

AT03661.D DFTPP.M Fri Feb 25 12:30:07 2005 MSD1

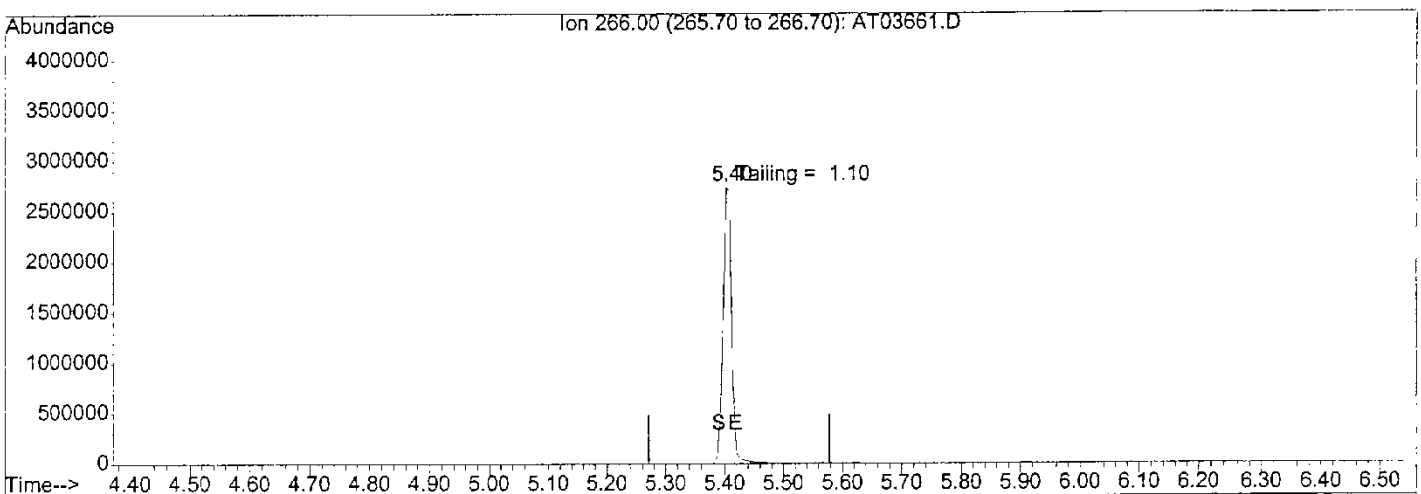
007769

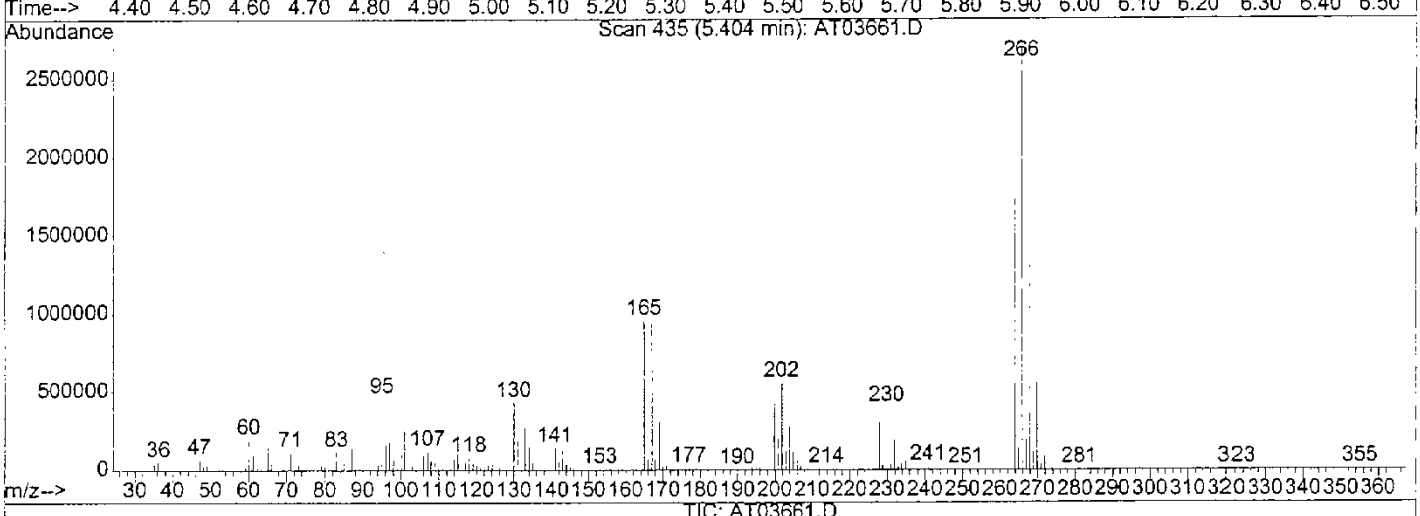
Quantitation Report (Qedit)

Data File : H:\DATA\022505_A\AT03661.D
Acq On : 25 Feb 2005 7:30 am
Sample : dftpp
Misc :
MS Integration Params: rteint.p
Quant Time: Feb 25 12:31 2005

Vial: 2
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: temp.res

Method : H:\METHODSSEMI\DFTPP.M (RTE Integrator)
Title : DFTPP8270; PCP; Benzidine and DDT evaluation
Last Update : Mon Feb 14 13:53:47 2005
Response via : Single Level Calibration





(1) Pentachlorophenol (T)

5.40min 13.09

response 2738176

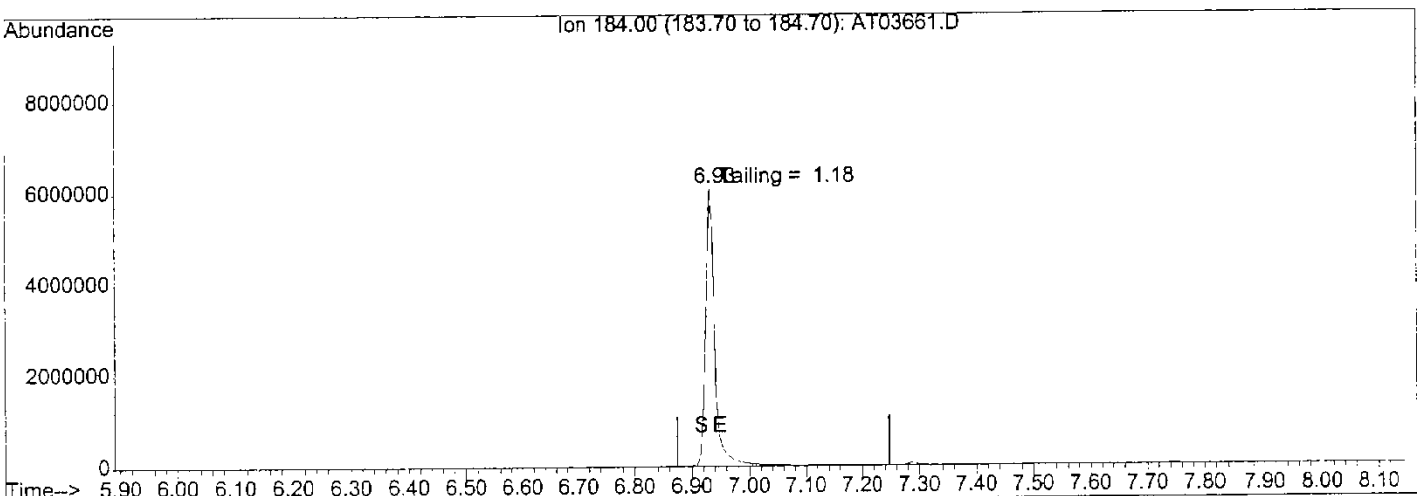
Ion	Exp%	Act%
266.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

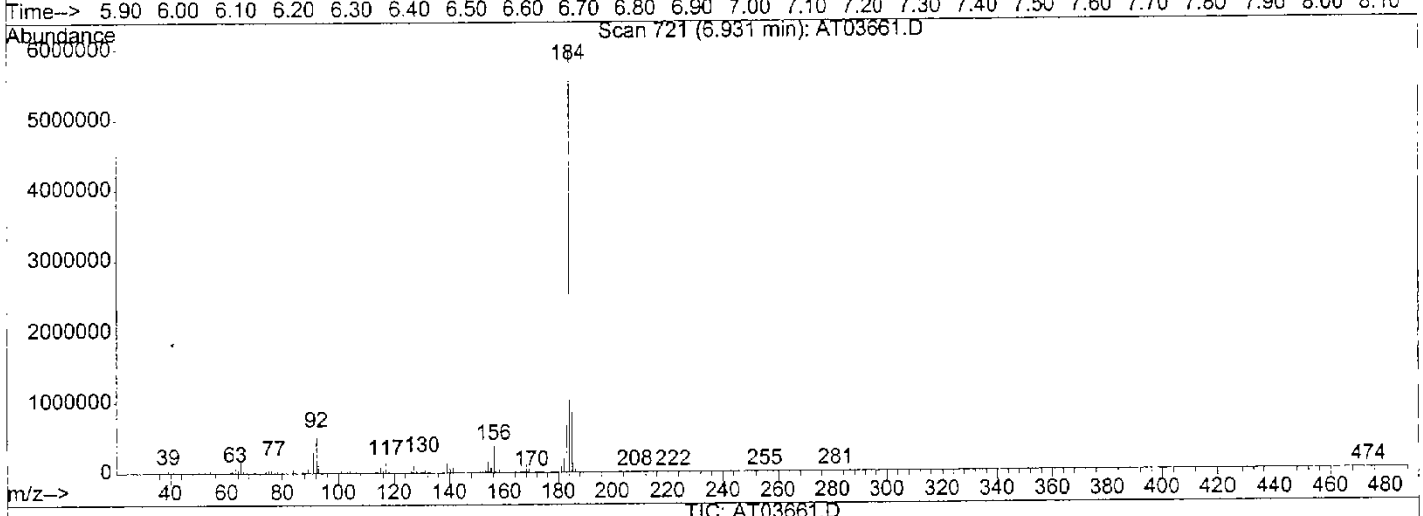
Quantitation Report (Qedit)

Data File : H:\DATA\022505_A\AT03661.D
Acq On : 25 Feb 2005 7:30 am
Sample : dftpp
Misc :
MS Integration Params: rteint.p
Quant Time: Feb 25 12:31 2005

Vial: 2
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: temp.res

Method : H:\METHODSSEMI\DFTPP.M (RTE Integrator)
Title : DFTPP8270; PCP; Benzidine and DDT evaluation
Last Update : Mon Feb 14 13:53:47 2005
Response via : Single Level Calibration





(3) Benzidine (T)

6.93min 7.82

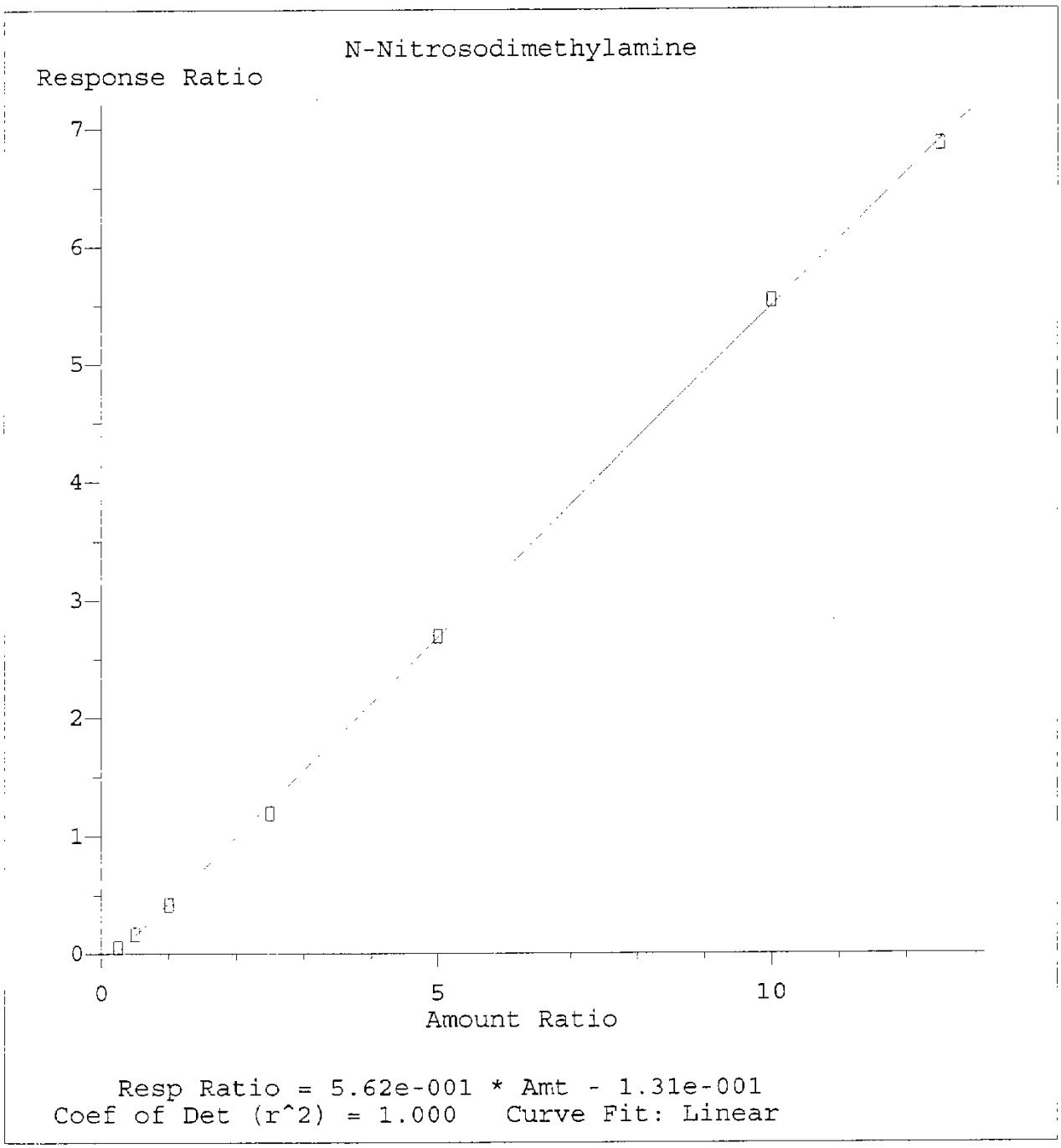
response 6063689

Ion	Exp%	Act%
184.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Data File Name **AT03661.D**
Data File Path **H:\DATA\022505_A**
Operator **RBF**
Date Aquired 2/25/2005 7:30
DFTPP1
Sample Name **dftpp**

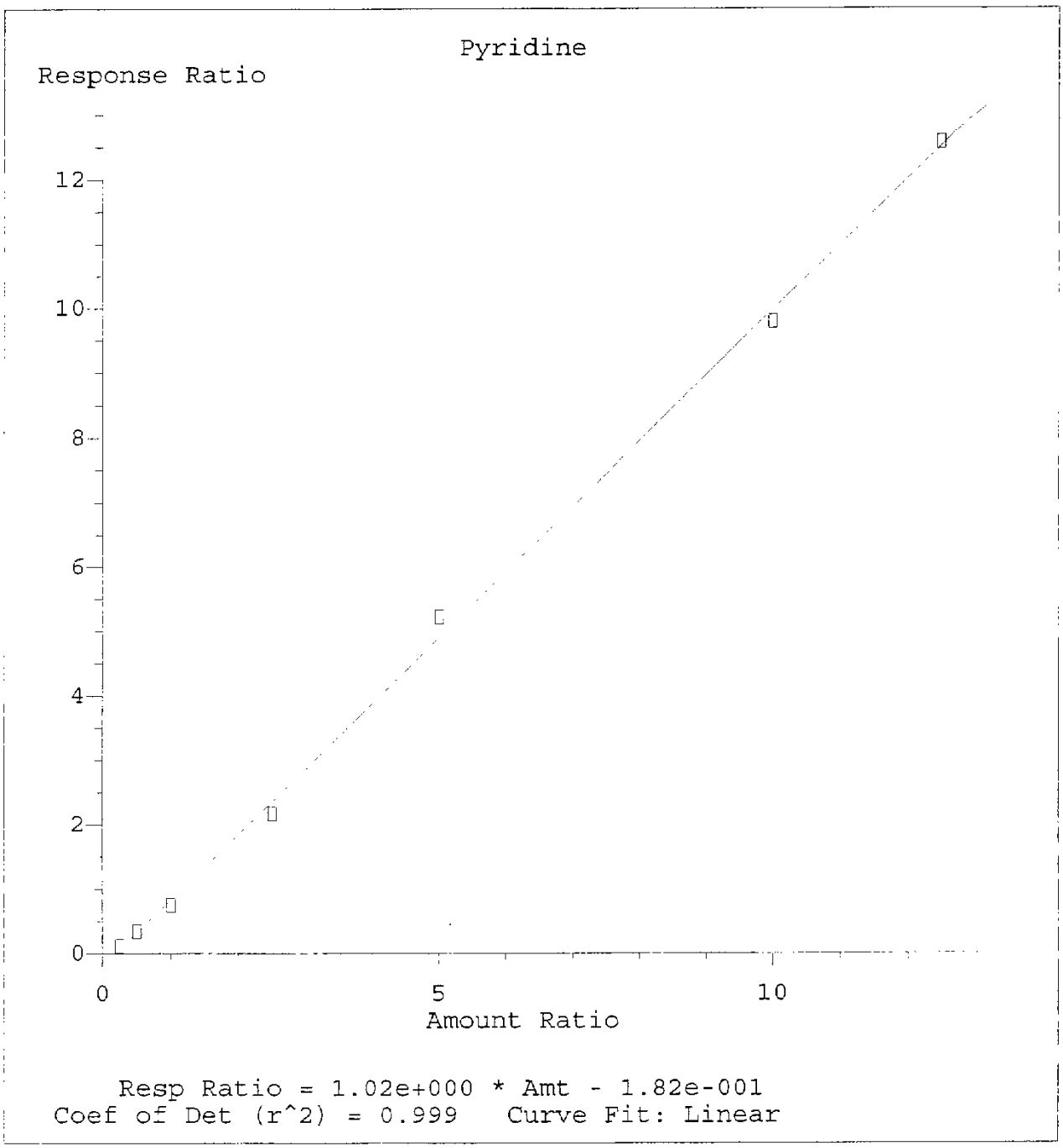
#	Name	Ret Time	Target Response	Percent Breakdown
4)	DDT	7.75	7257581	1.81%
5)	DDD	7.47	80152	Pass
6)	DDE	7.12	53259	
		SUM	7390992	

00772

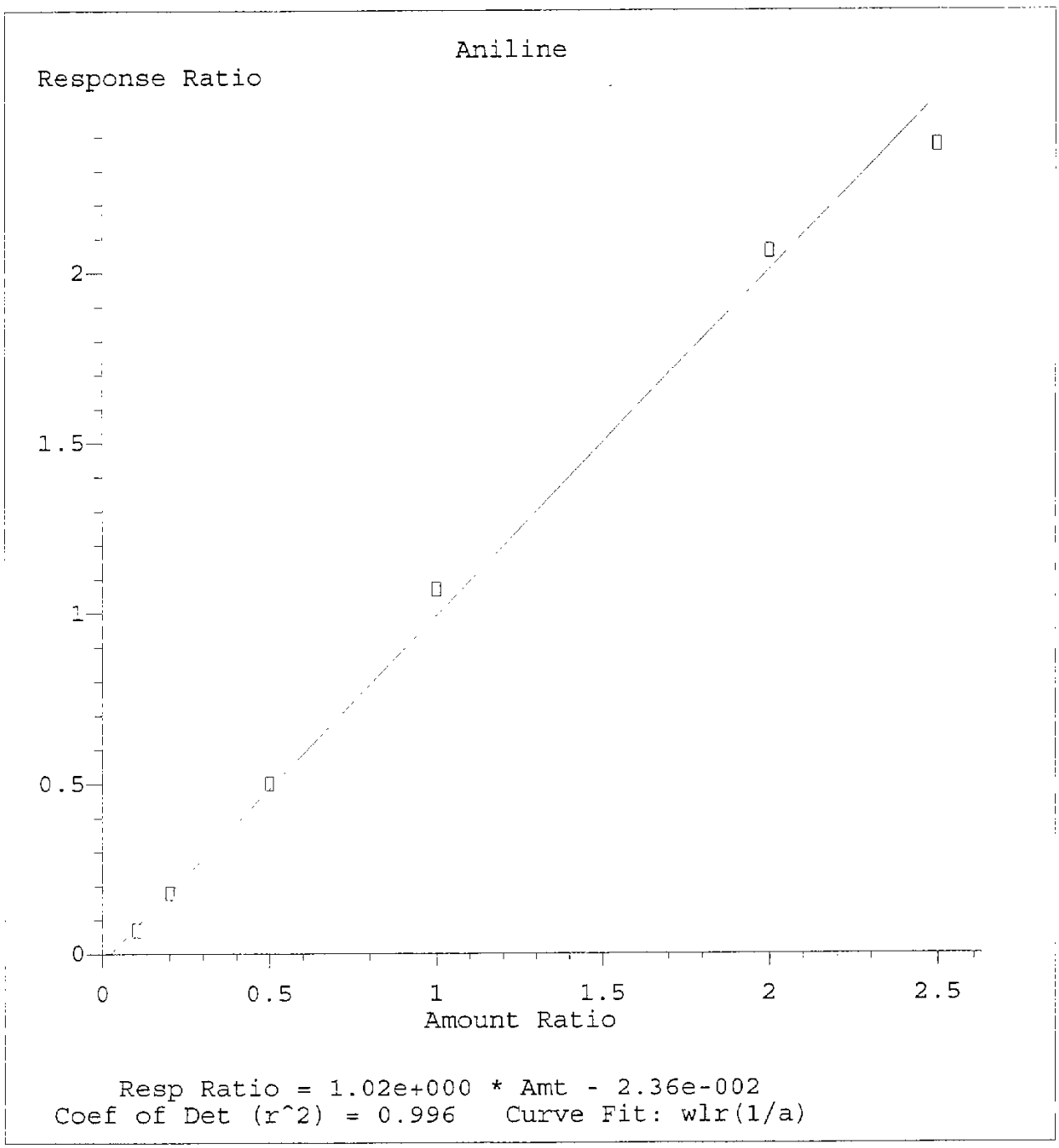


Method Name: H:\METHODSSEMI\8270_022505.M
Calibration Table Last Updated: Fri Feb 25 12:12:29 2005

00273

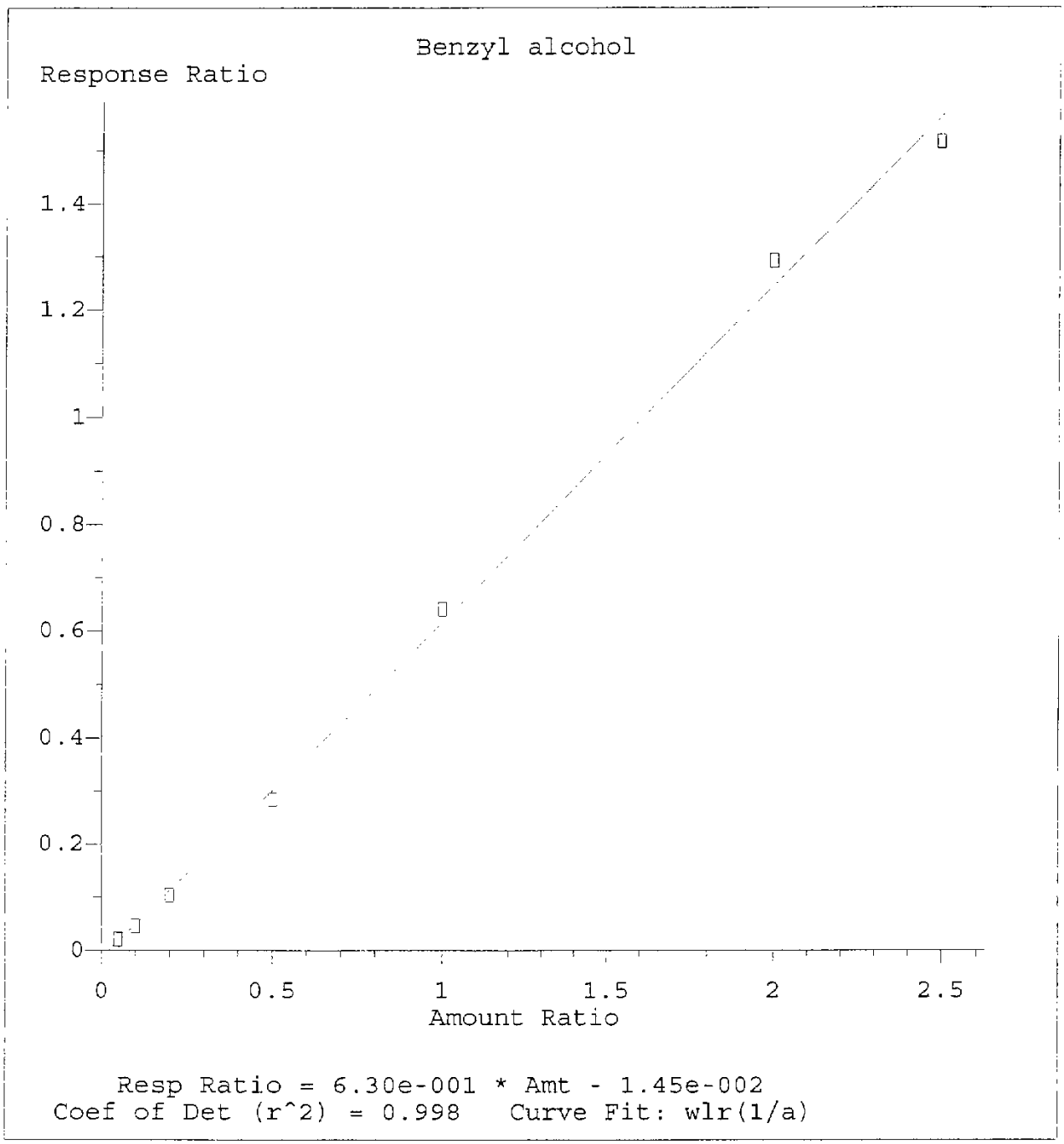


Method Name: H:\METHODSSEMI\8270_022505.M
Calibration Table Last Updated: Fri Feb 25 12:12:29 2005



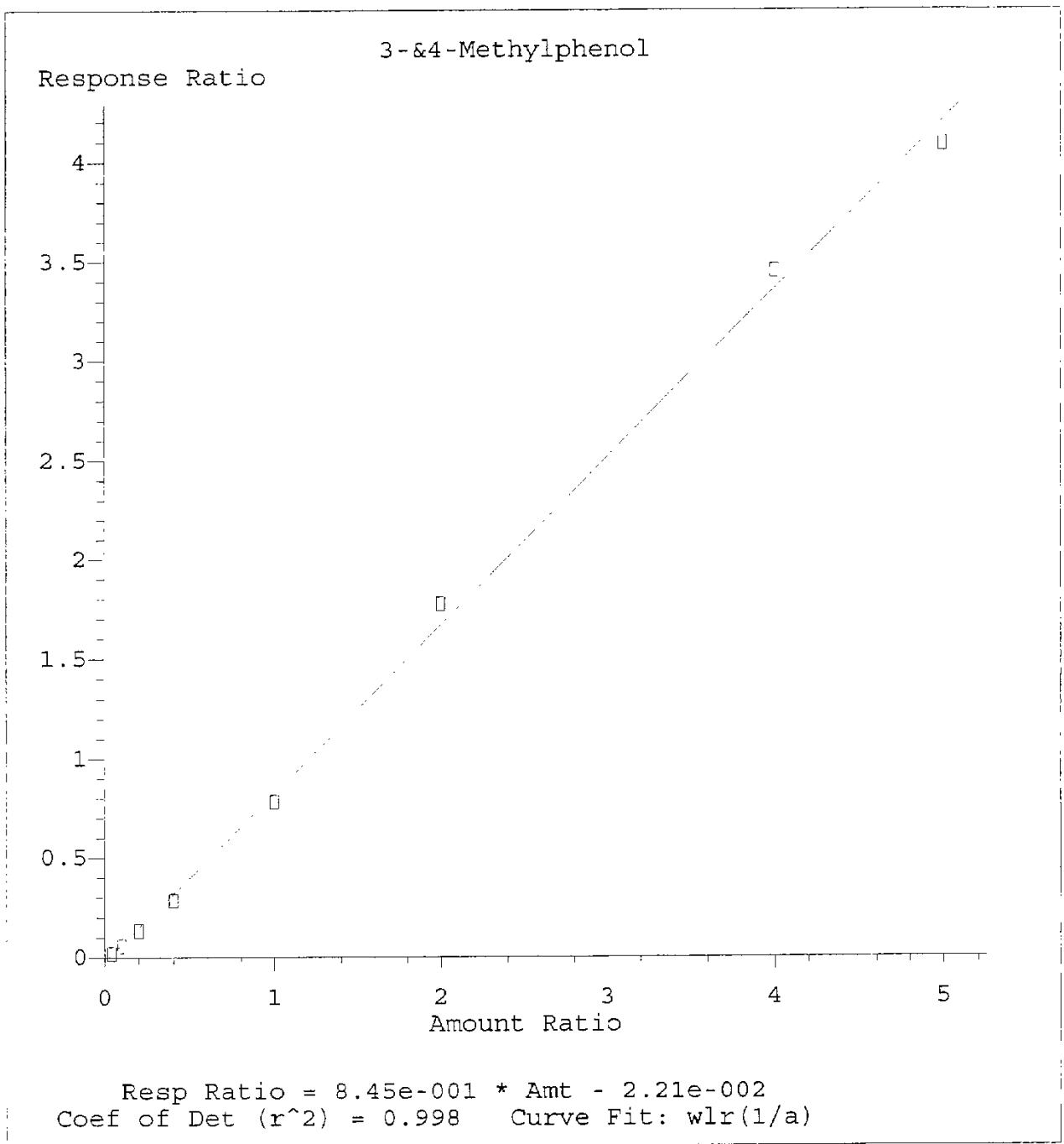
Method Name: H:\METHODSSEMI\8270_022505.M
Calibration Table Last Updated: Fri Feb 25 12:12:29 2005

00775

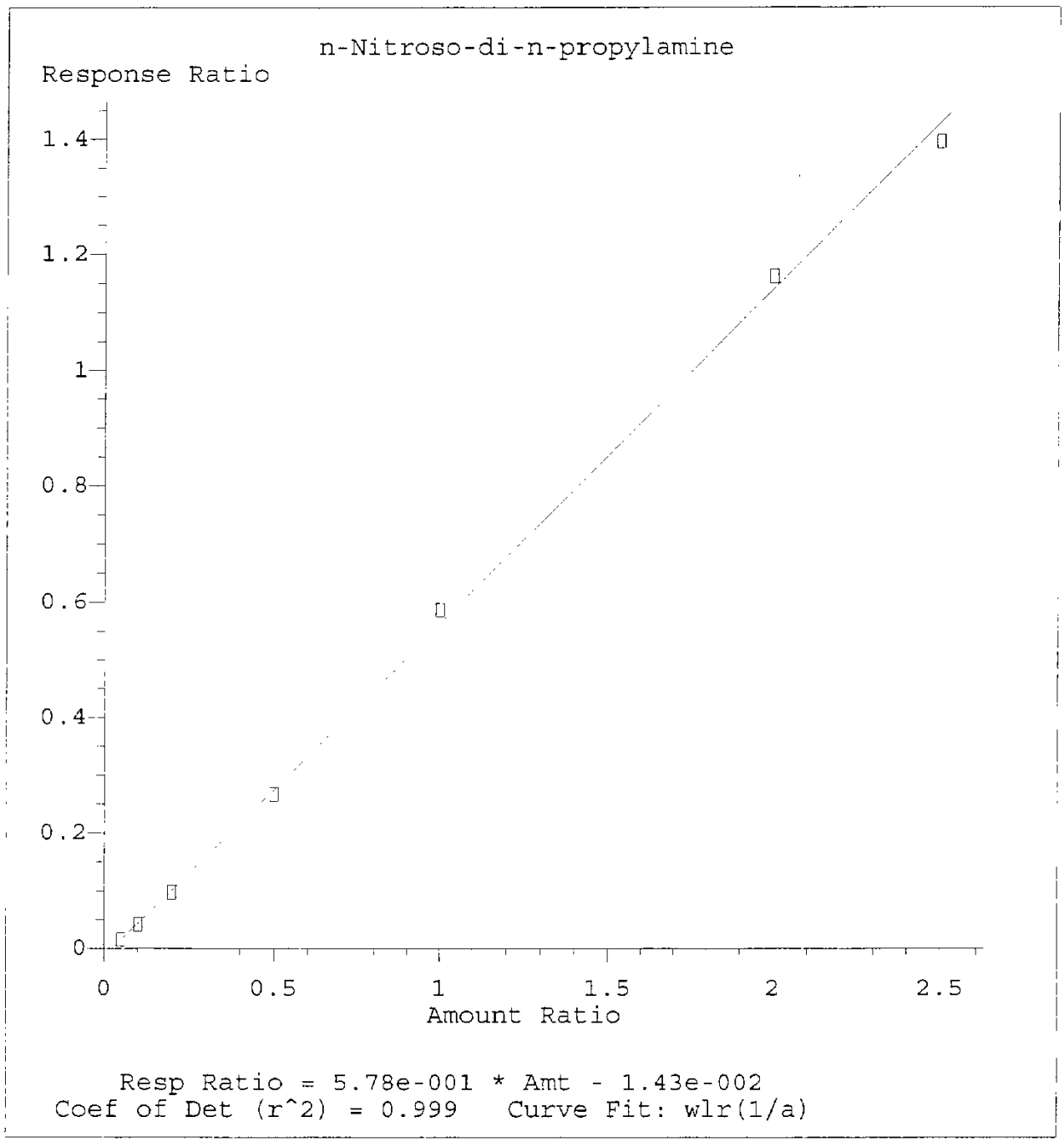


Method Name: H:\METHODSSEMI\8270_022505.M
Calibration Table Last Updated: Fri Feb 25 12:12:29 2005

00776

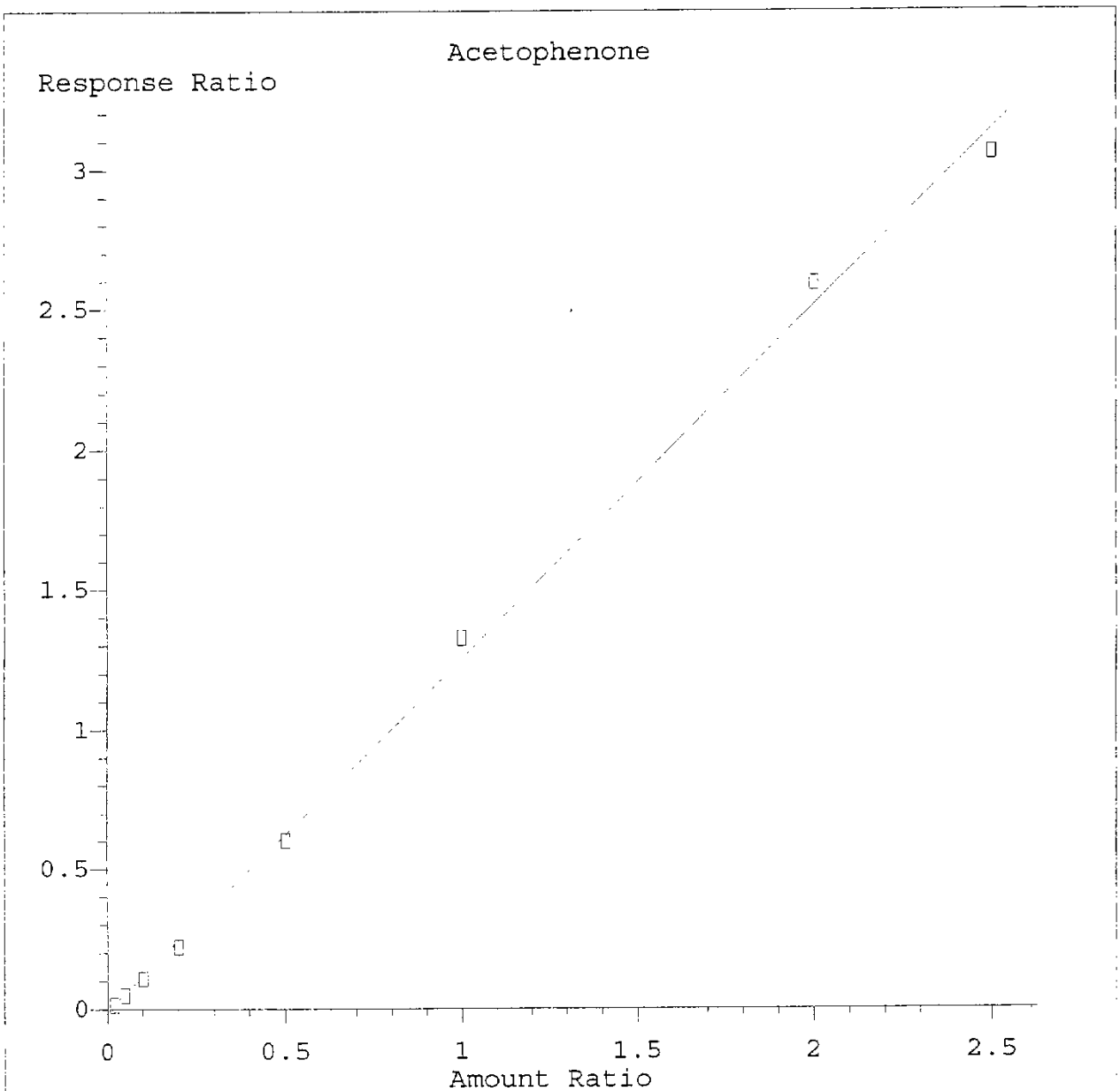


Method Name: H:\METHODSSEMI\8270_022505.M
Calibration Table Last Updated: Fri Feb 25 12:12:29 2005



Method Name: H:\METHODSSEMI\8270_022505.M
Calibration Table Last Updated: Fri Feb 25 12:12:29 2005

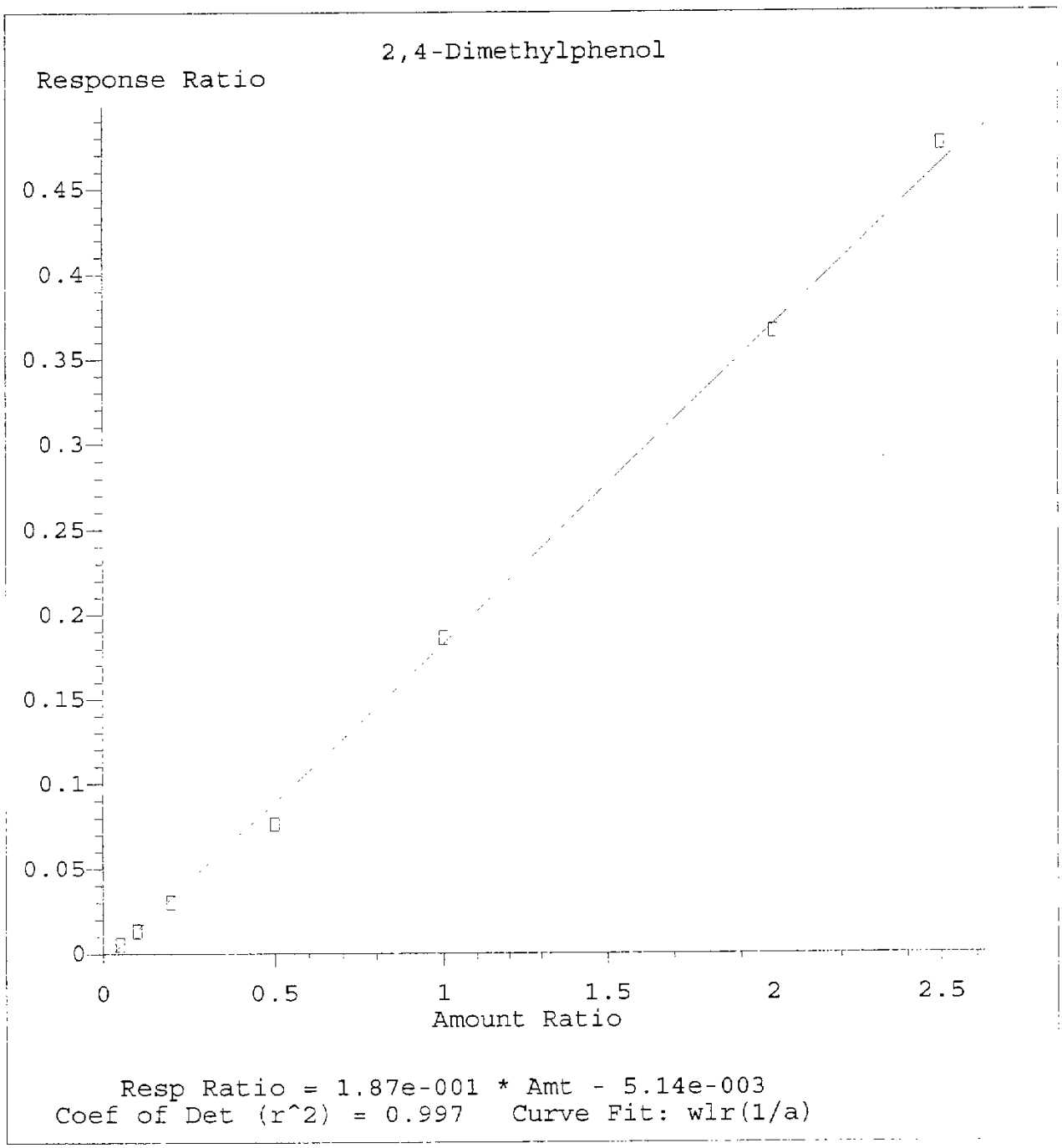
00778



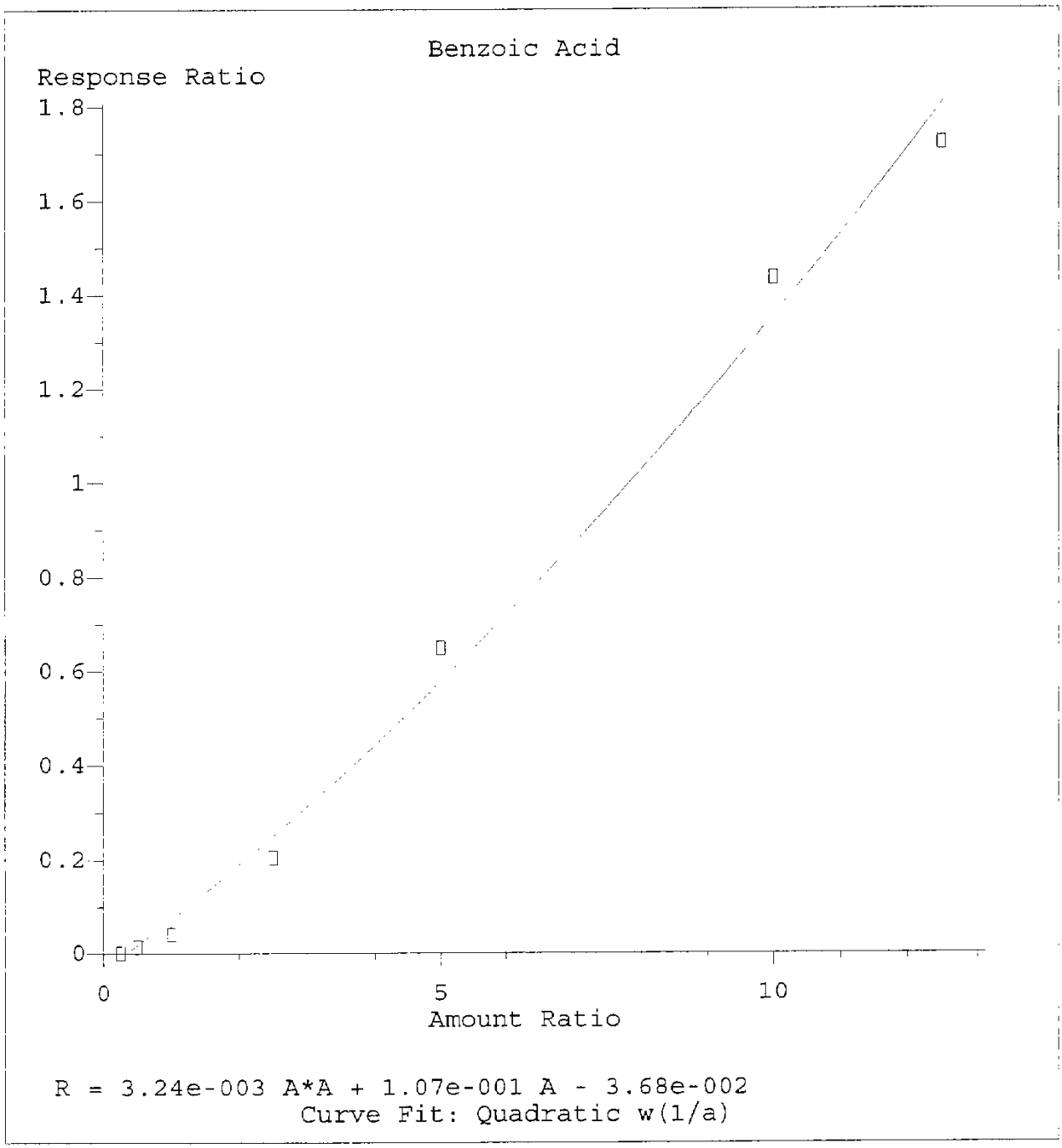
Resp Ratio = 1.26e+000 * Amt - 7.03e-003
Coef of Det (r^2) = 0.998 Curve Fit: Linear

Method Name: H:\METHODSSEMI\8270_022505.M
Calibration Table Last Updated: Fri Feb 25 12:12:29 2005

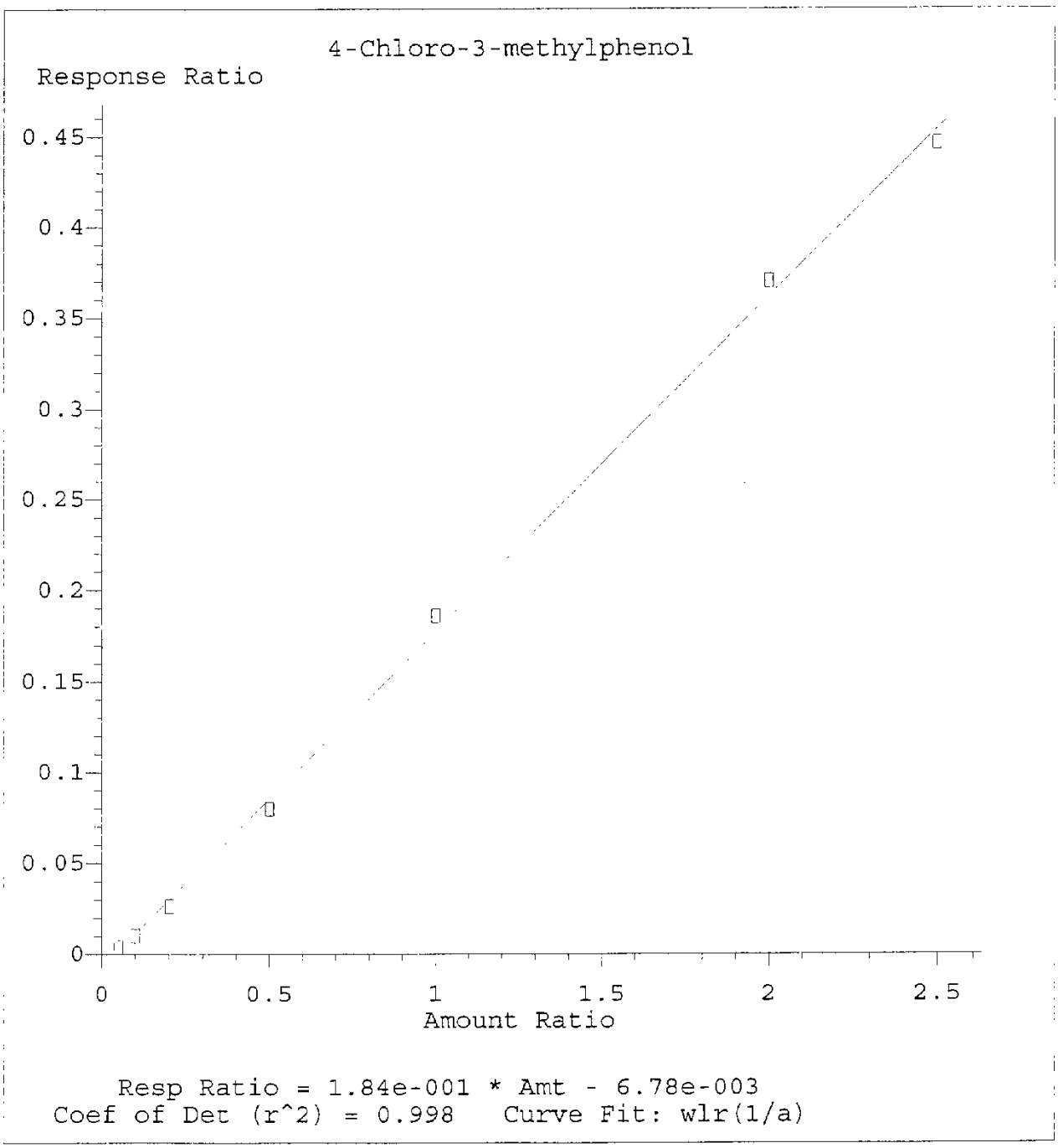
00779



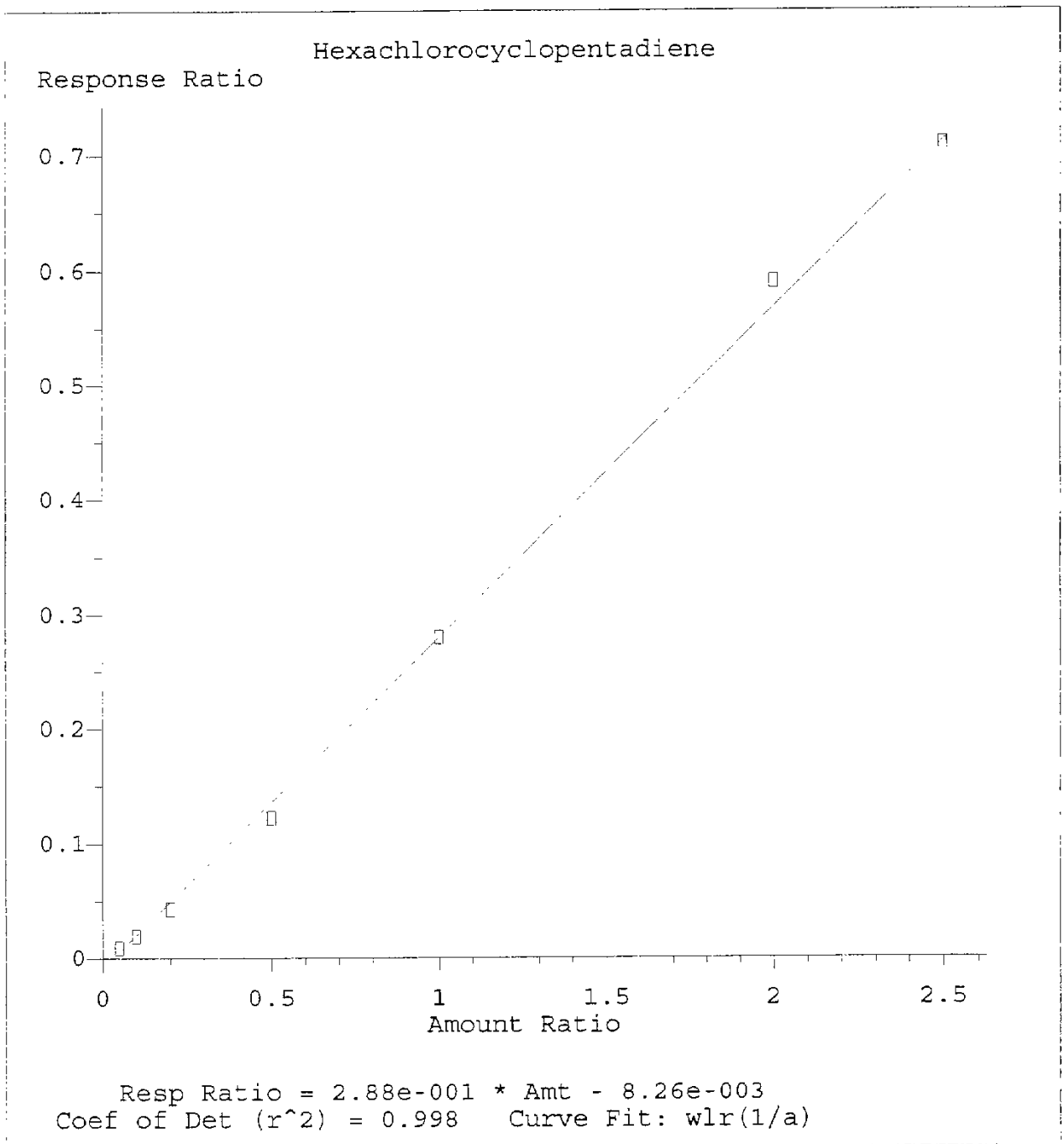
Method Name: H:\METHODSSEMI\8270_022505.M
Calibration Table Last Updated: Fri Feb 25 12:17:02 2005



Method Name: H:\METHODSSEMI\8270_022505.M
Calibration Table Last Updated: Fri Feb 25 12:17:02 2005

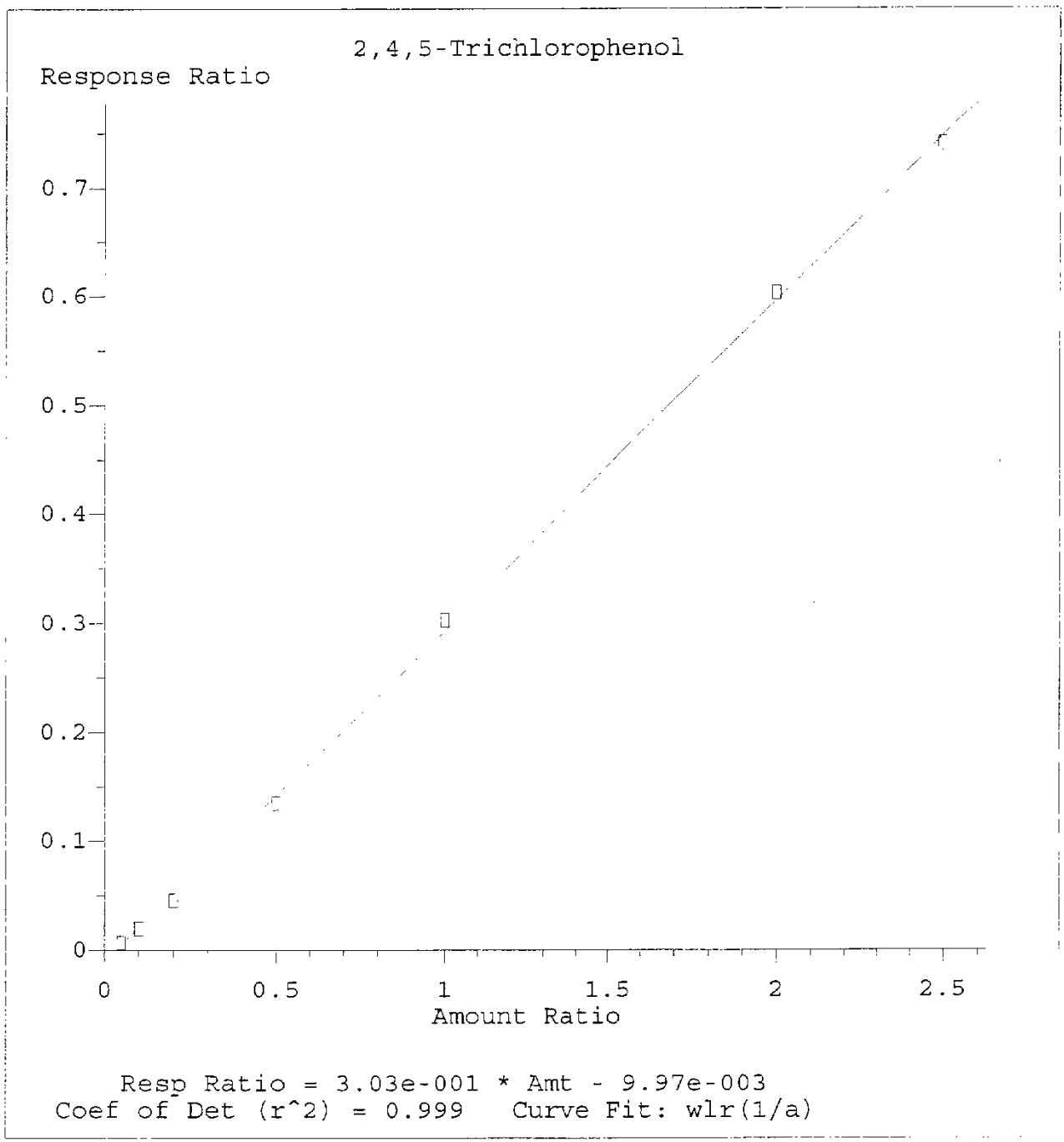


Method Name: H:\METHODSSEMI\8270_022505.M
Calibration Table Last Updated: Fri Feb 25 12:17:02 2005

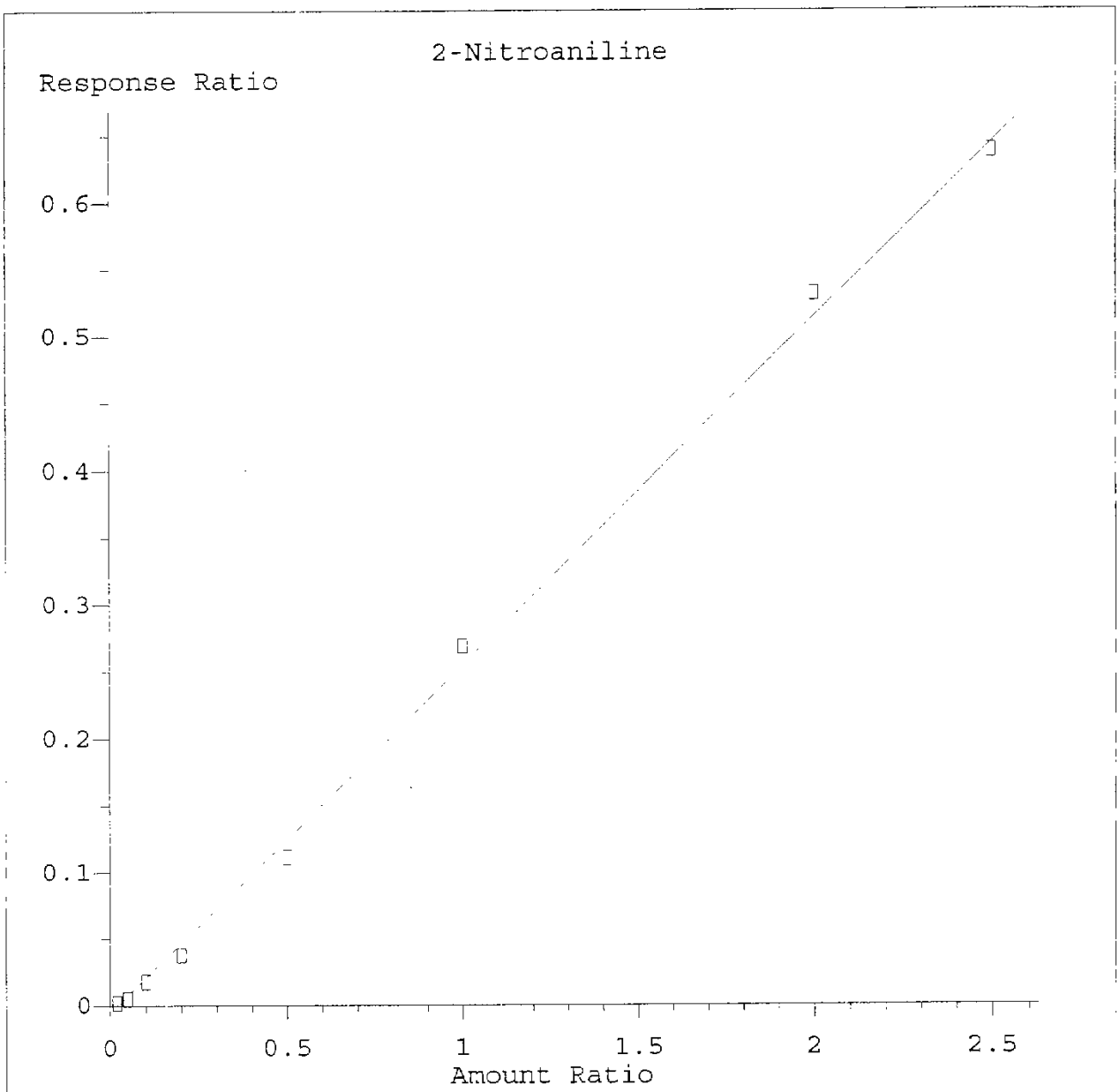


Method Name: H:\METHODSSEMI\8270_022505.M
Calibration Table Last Updated: Fri Feb 25 12:17:02 2005

00783

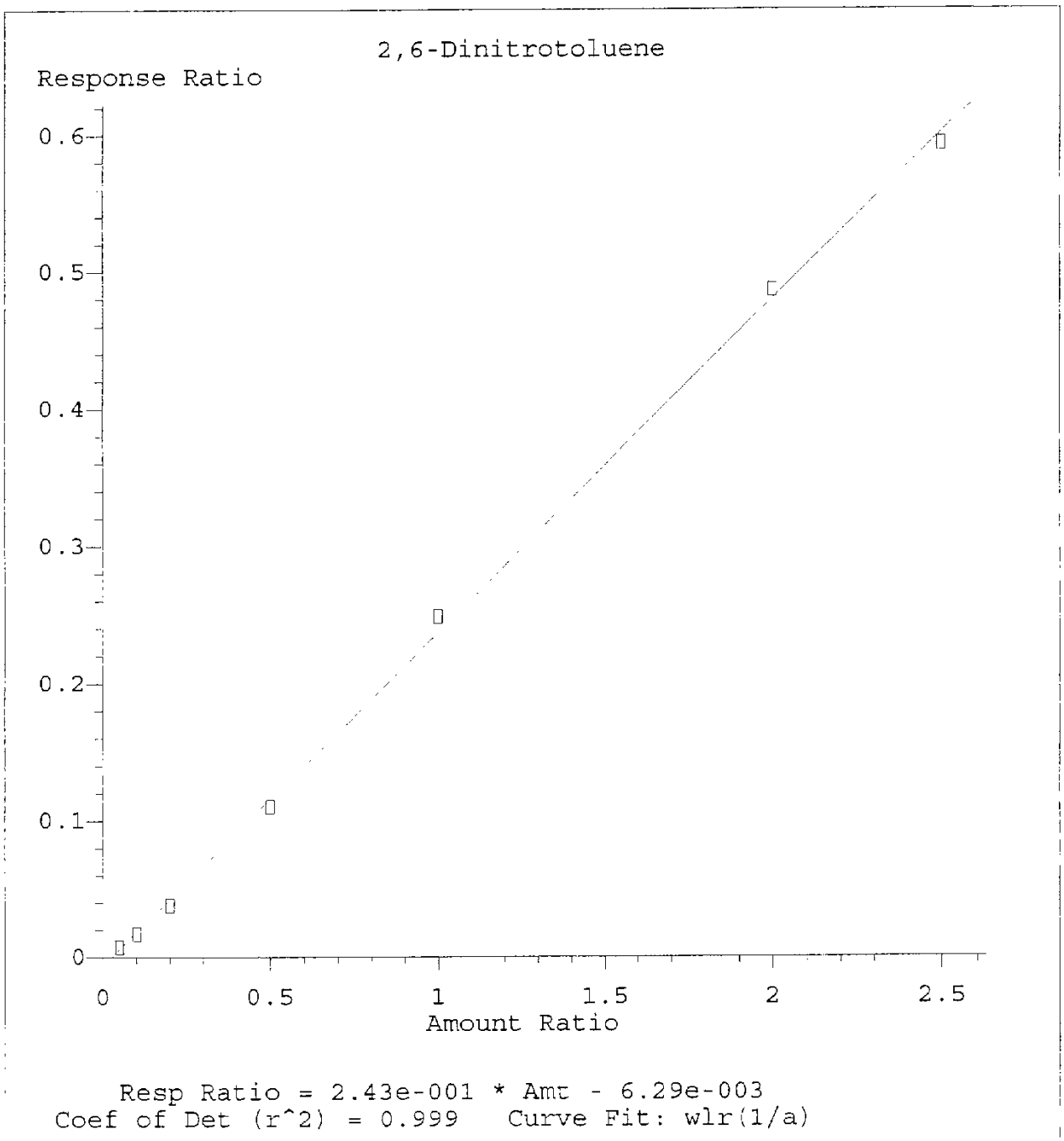


Method Name: H:\METHODSSEMI\8270_022505.M
Calibration Table Last Updated: Fri Feb 25 12:17:02 2005



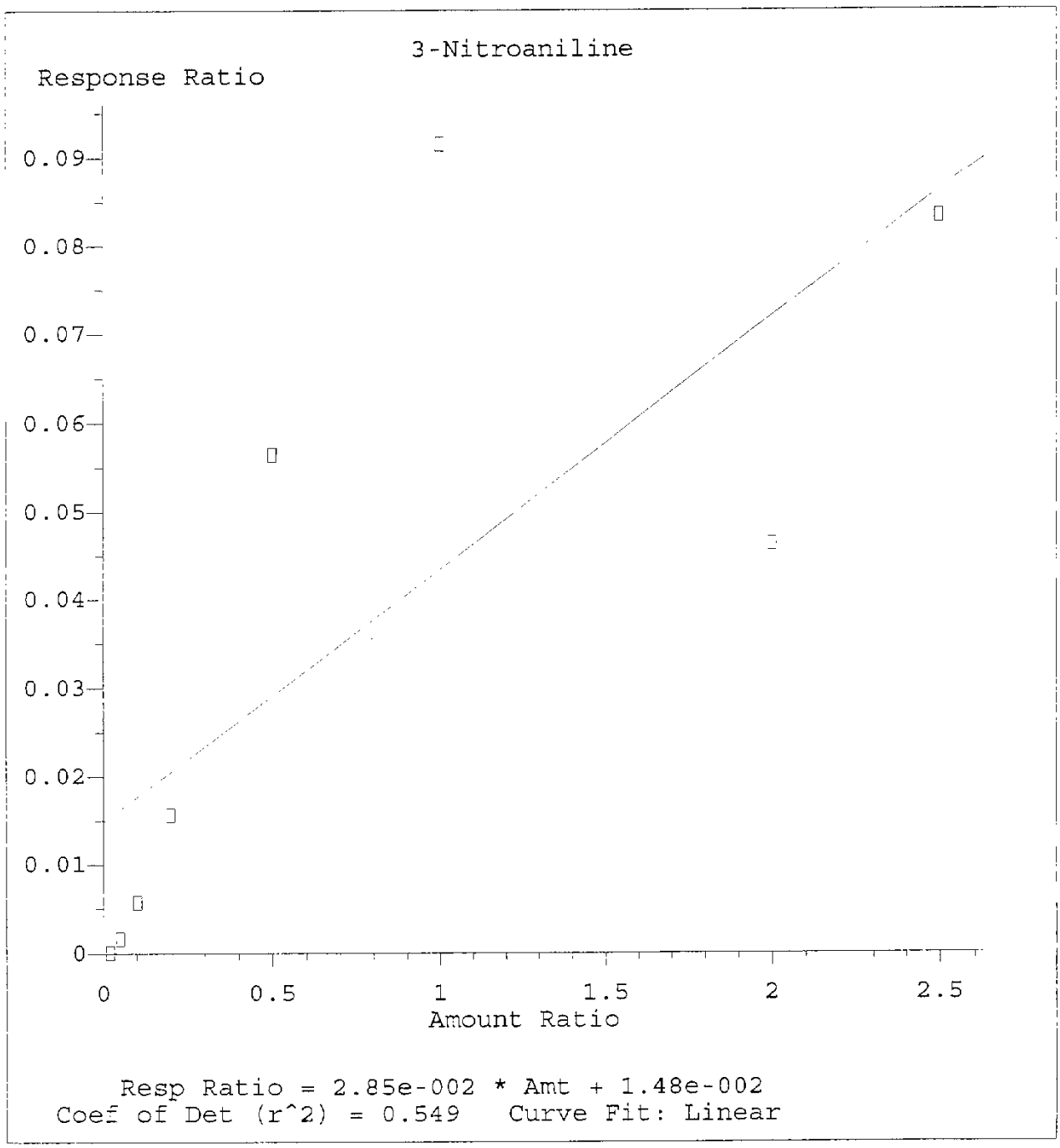
Resp Ratio = 2.60e-001 * Amt - 5.57e-003
Coef of Det (r^2) = 0.996 Curve Fit: wlr(1/a)

Method Name: H:\METHODSSEMI\8270_022505.M
Calibration Table Last Updated: Fri Feb 25 12:17:02 2005



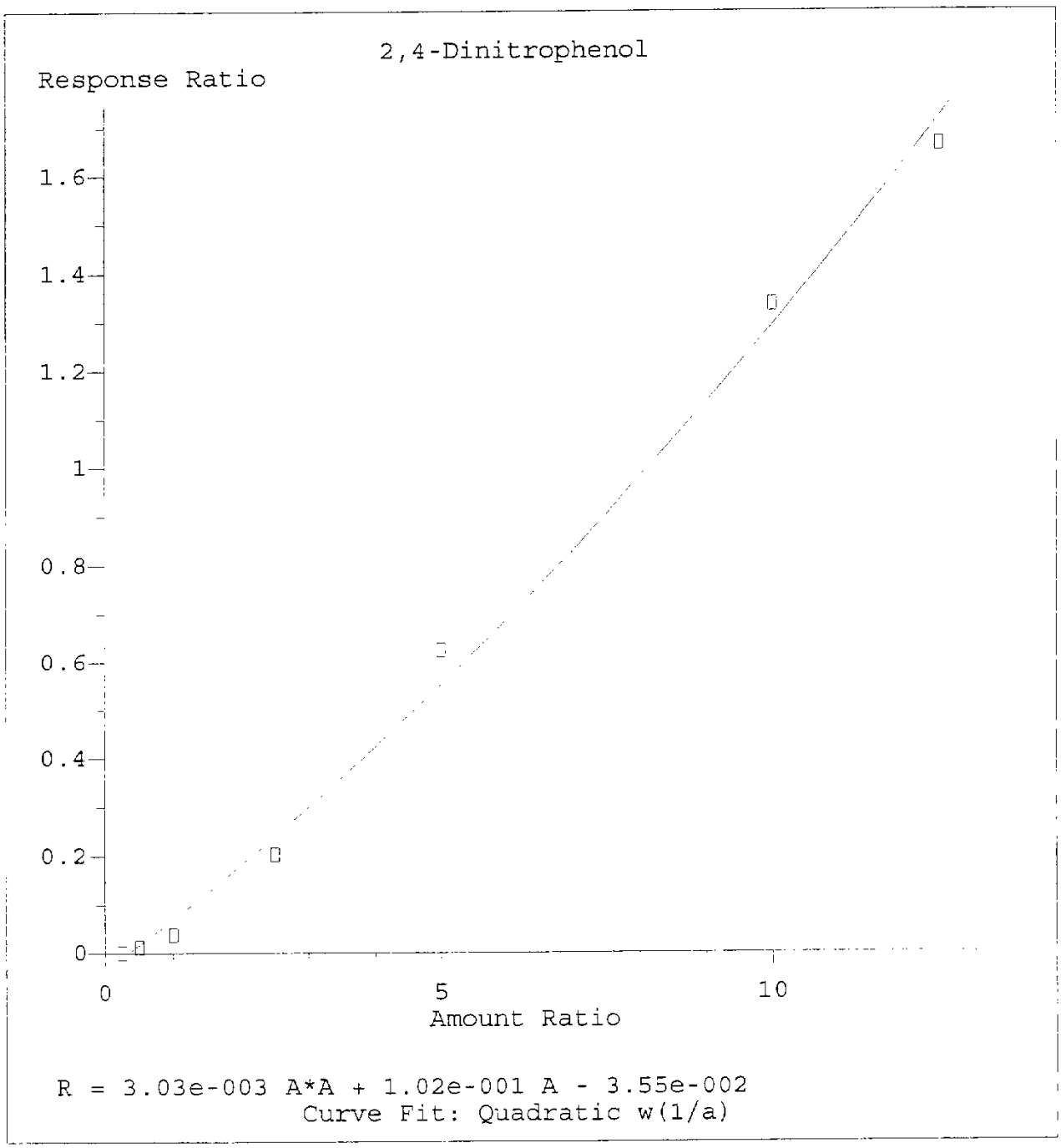
Method Name: H:\METHODSSEMI\8270_022505.M
Calibration Table Last Updated: Fri Feb 25 12:17:02 2005

00786

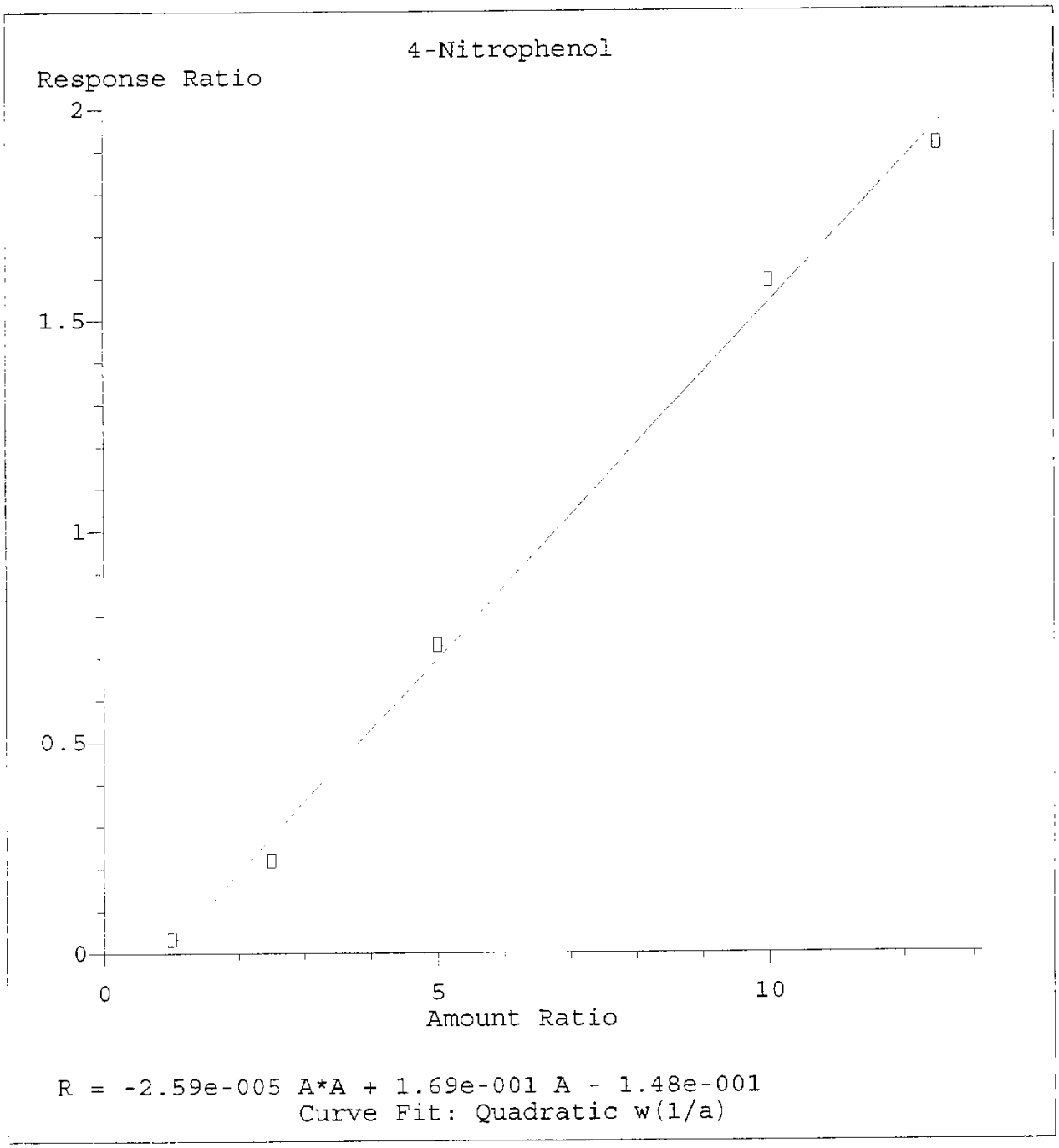


Method Name: H:\METHODSSEMI\8270_022505.M
Calibration Table Last Updated: Fri Feb 25 12:17:02 2005

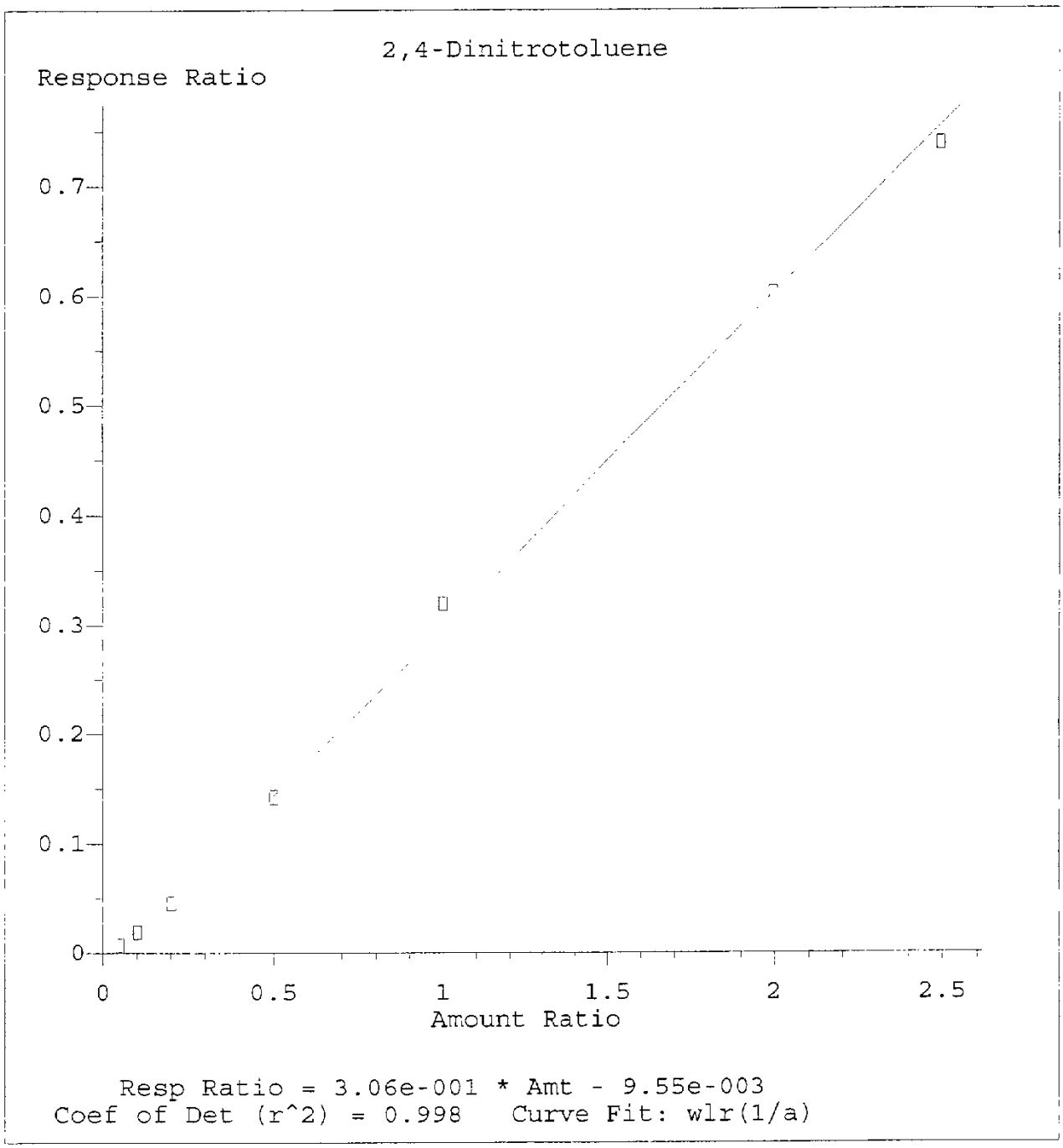
00787



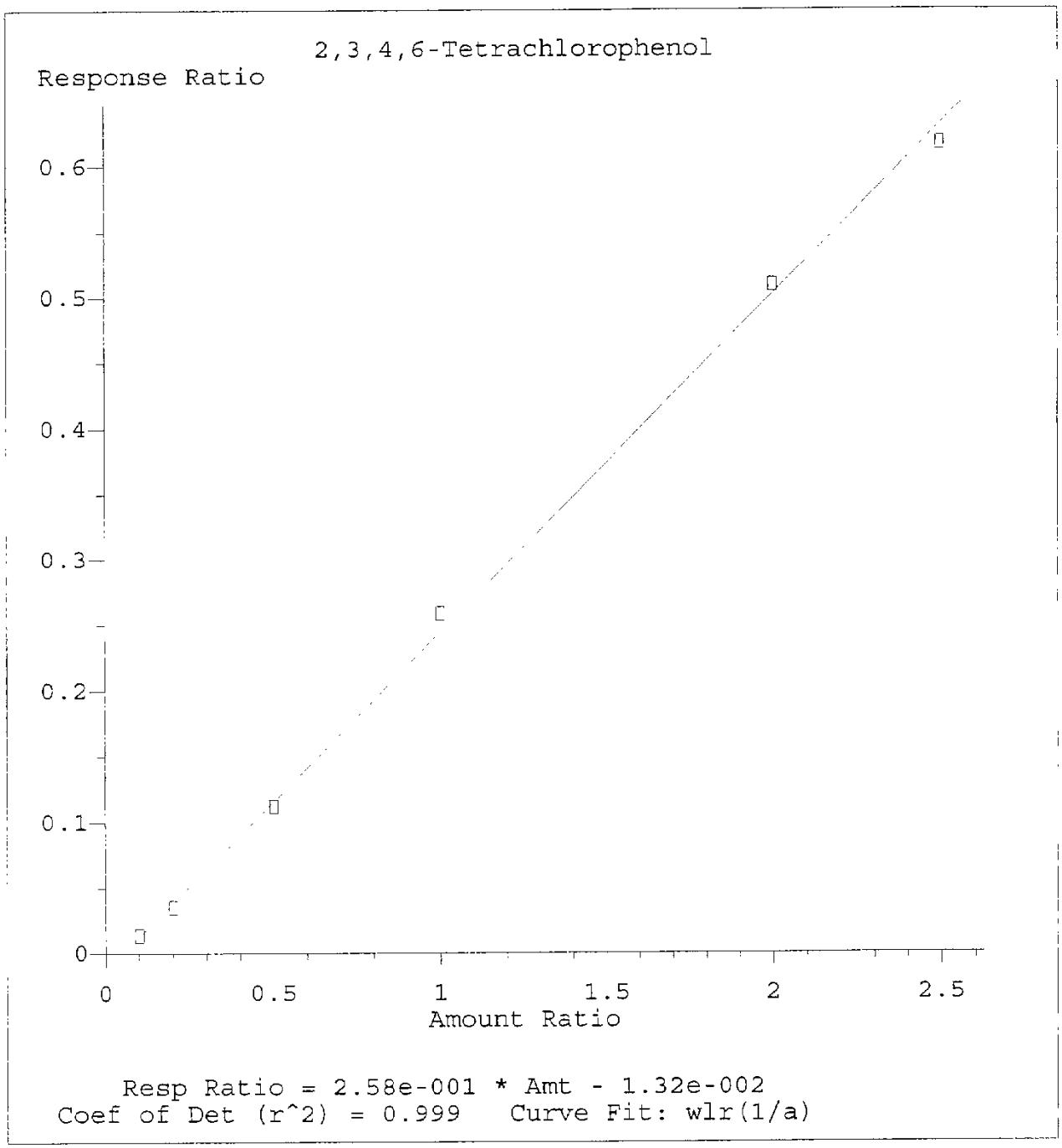
Method Name: H:\METHODSSEMI\8270_022505.M
Calibration Table Last Updated: Fri Feb 25 12:17:02 2005



Method Name: H:\METHODSSEMI\8270_022505.M
Calibration Table Last Updated: Fri Feb 25 12:17:02 2005

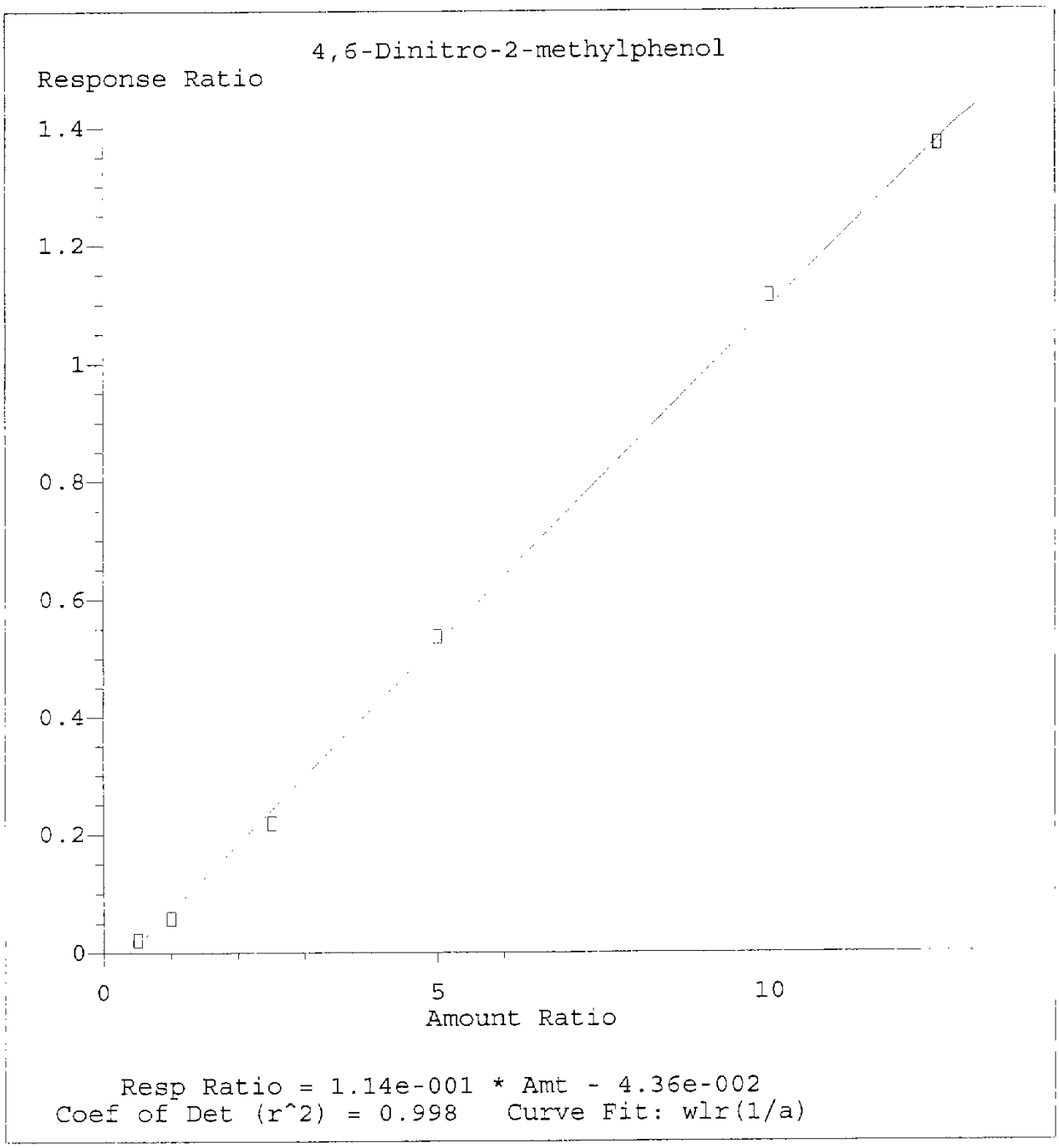


Method Name: H:\METHODSSEMI\8270_022505.M
Calibration Table Last Updated: Fri Feb 25 12:17:02 2005



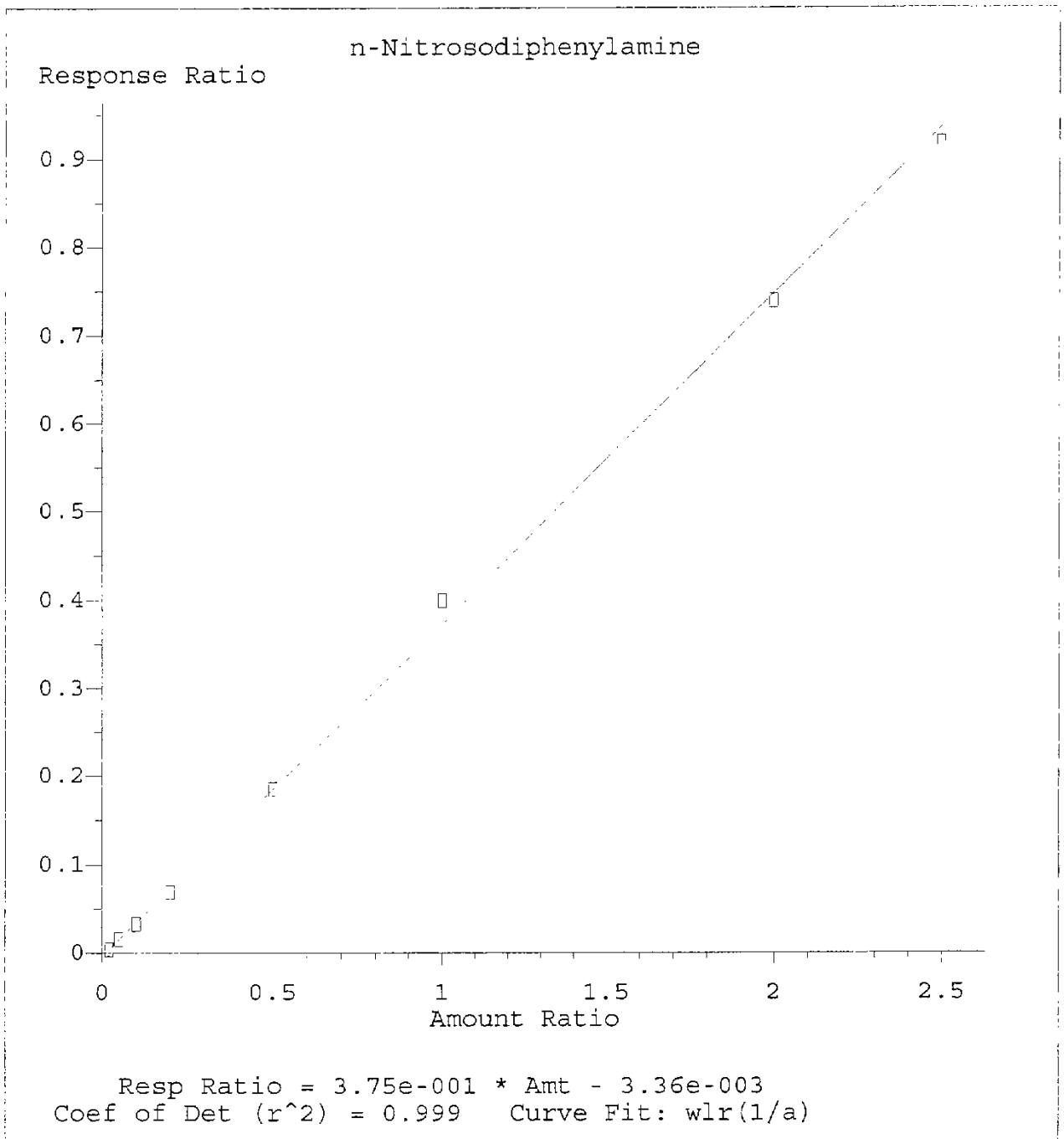
Method Name: H:\METHODSSEMI\8270_022505.M
Calibration Table Last Updated: Fri Feb 25 12:17:02 2005

00791



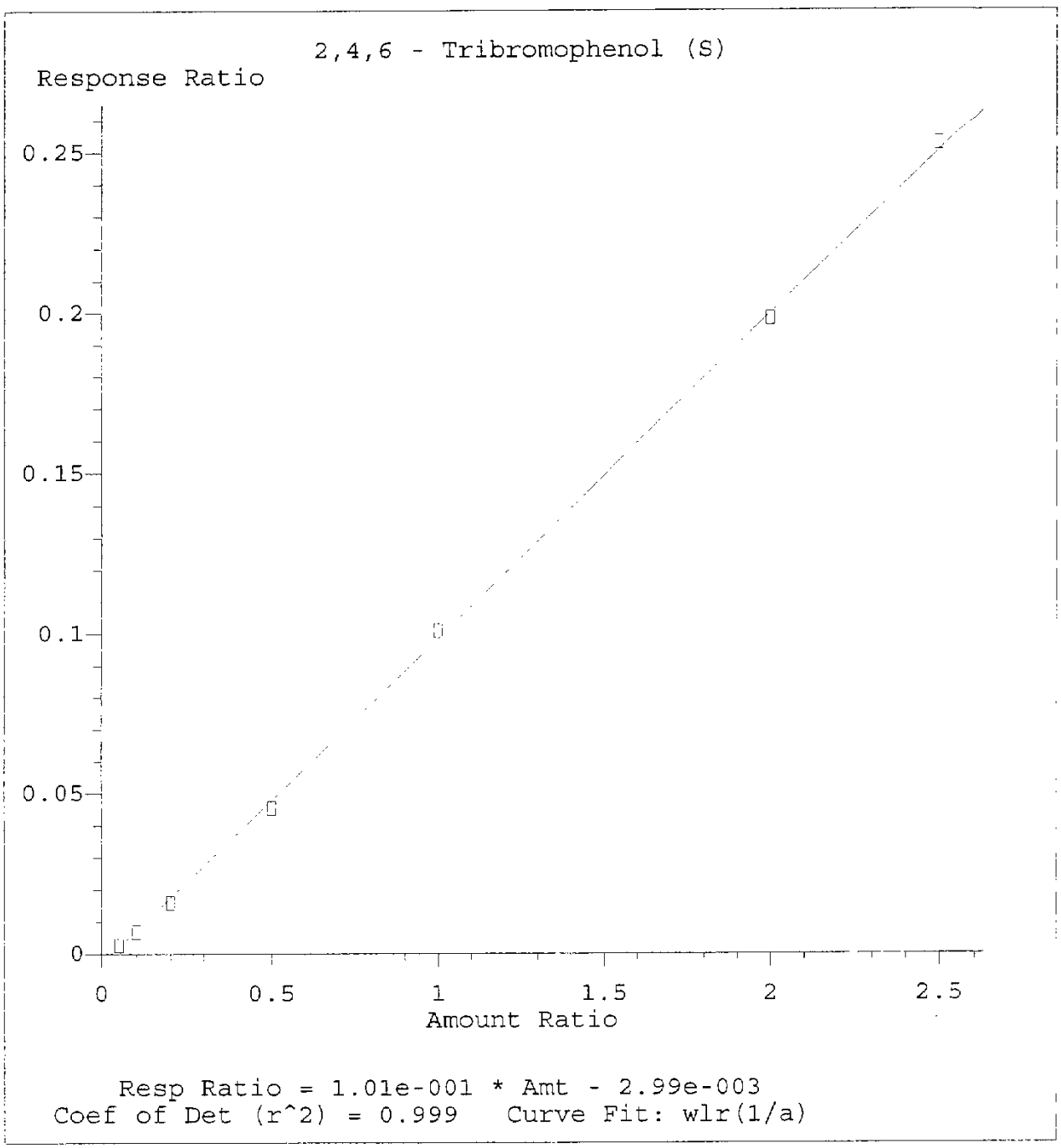
Method Name: H:\METHODSSEMI\8270_022505.M
Calibration Table Last Updated: Fri Feb 25 12:17:02 2005

00792

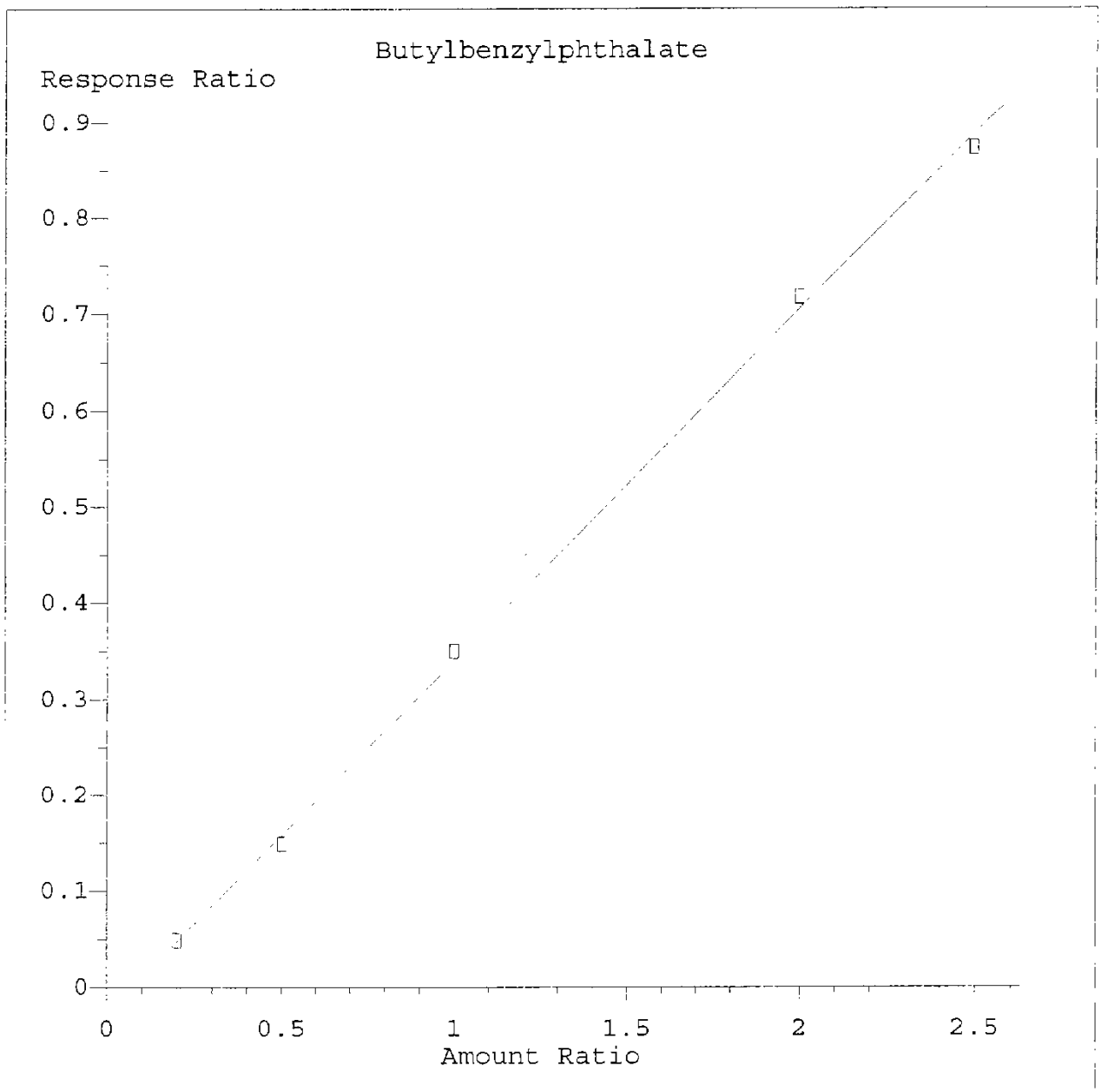


Method Name: H:\METHODSSEMI\8270_022505.M
Calibration Table Last Updated: Fri Feb 25 12:17:02 2005

00793

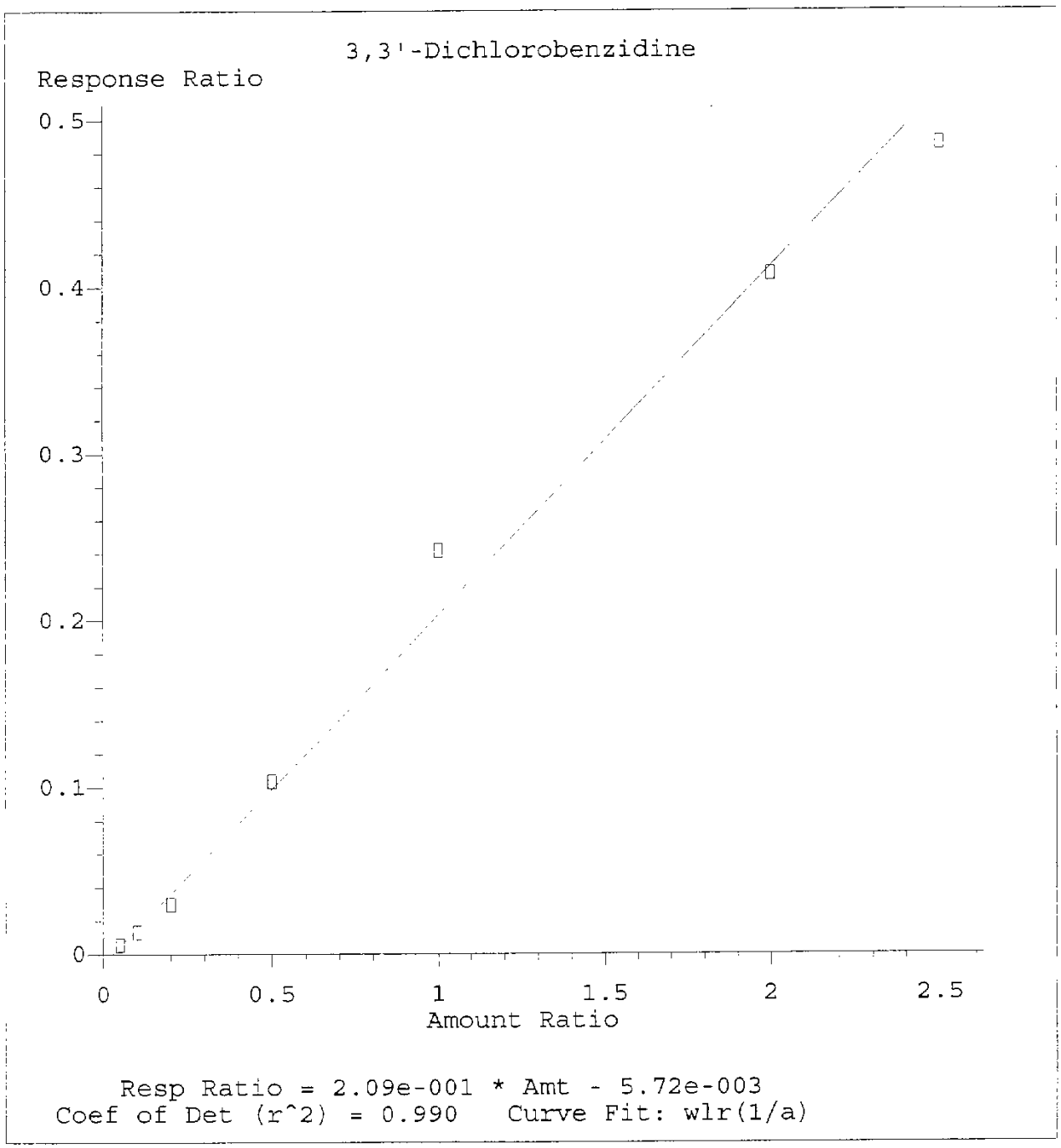


Method Name: H:\METHODSSEMI\8270_022505.M
Calibration Table Last Updated: Fri Feb 25 12:17:02 2005

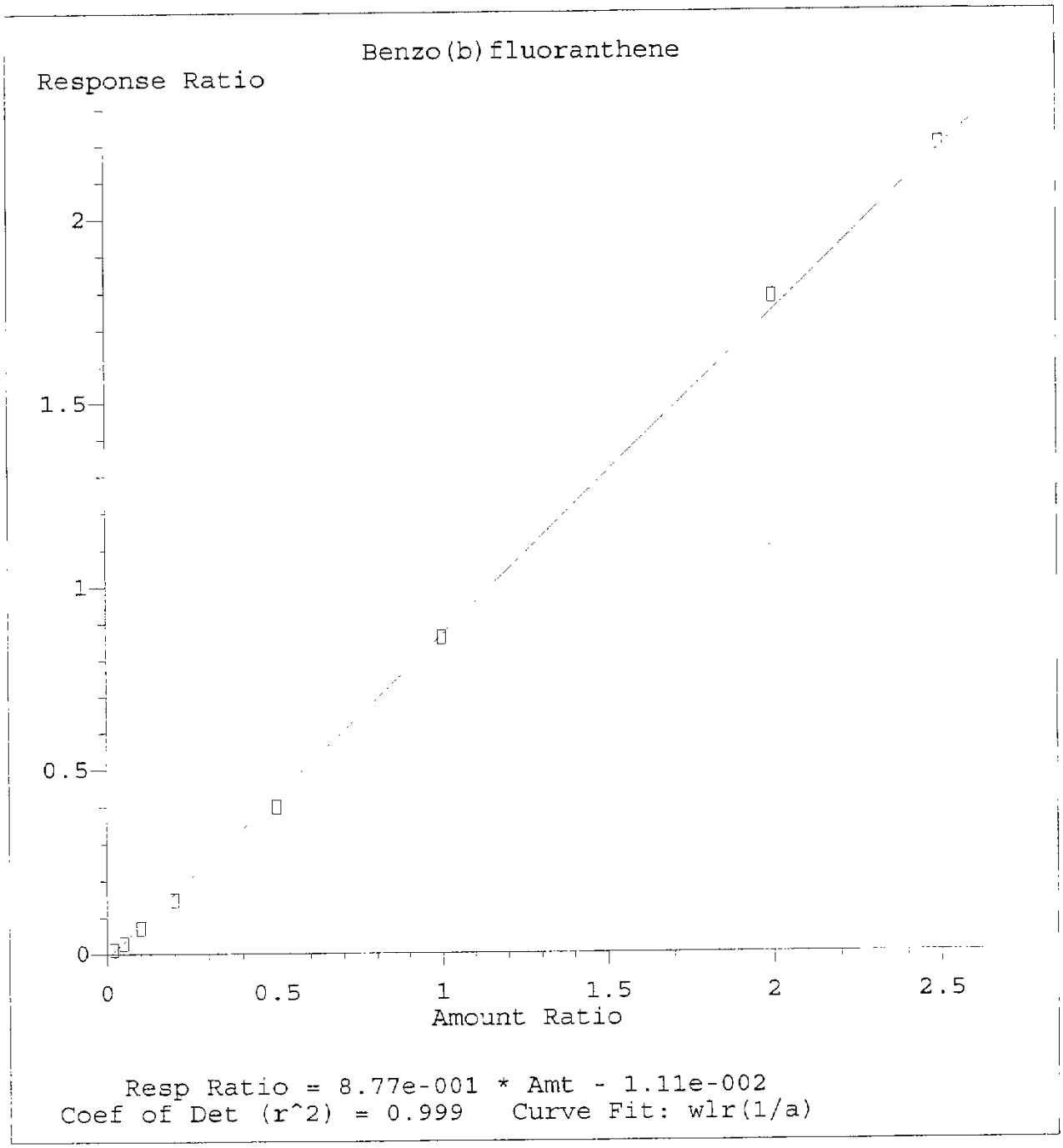


Resp Ratio = 3.66e-001 * Amt - 2.56e-002
Coef of Det (r^2) = 0.999 Curve Fit: wlr(1/a)

Method Name: H:\METHODSSEMI\8270_022505.M
Calibration Table Last Updated: Fri Feb 25 12:17:02 2005

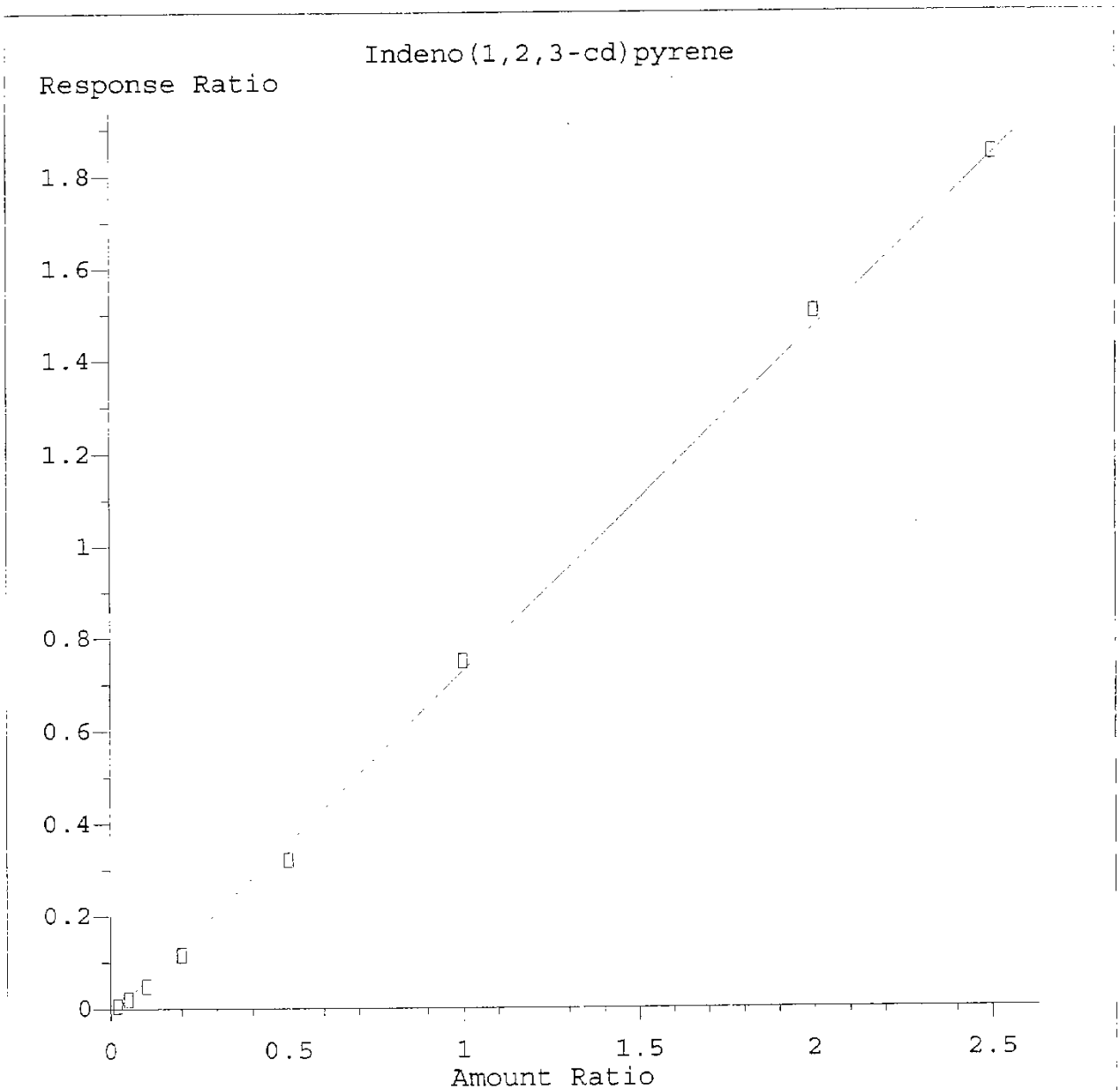


Method Name: H:\METHODSSEMI\8270_022505.M
Calibration Table Last Updated: Fri Feb 25 12:17:02 2005



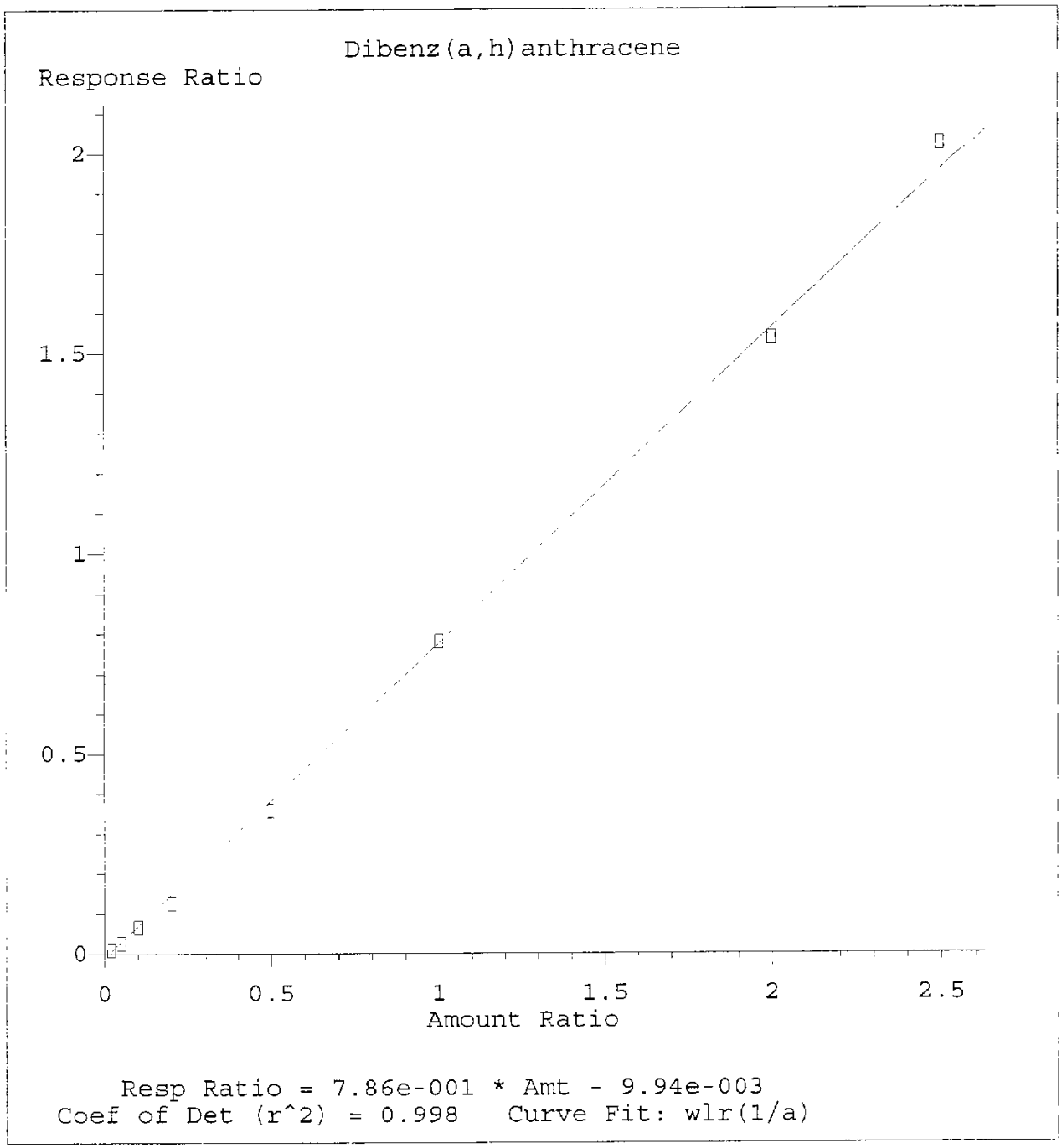
Method Name: H:\METHODSSEMI\8270_022505.M
Calibration Table Last Updated: Fri Feb 25 12:17:02 2005

00797



Resp Ratio = 7.41e-001 * Amt - 1.43e-002
Coef of Det (r^2) = 0.997 Curve Fit: wlr(1/a)

Method Name: H:\METHODSSEMI\8270_022505.M
Calibration Table Last Updated: Fri Feb 25 12:17:02 2005



Method Name: H:\METHODSSEMI\8270_022505.M
Calibration Table Last Updated: Fri Feb 25 12:17:02 2005

Quantitation Report (QT Reviewed)

Data File : H:\DATA\022505_A\AT03662.D
Acq On : 25 Feb 2005 8:19 am
Sample : 1281-1-9 2500 8270 ical
Misc :
MS Integration Params: Rteint.p
Quant Time: Feb 25 12:13:53 2005

Vial: 3
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: 8270_022505.RES

Quant Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Fri Feb 25 12:12:29 2005
Response via : Initial Calibration
DataAcq Meth : 8270

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4 (I)	5.56	152	280430	1000.000 ug/L	0.00
23) Naphthalene - d8 (I)	6.67	136	1106364	1000.000 ug/L	0.00
39) Acenaphthene - d10 (I)	8.13	162	587581	1000.000 ug/L	0.00
63) Phenanthrene - d10 (I)	9.45	188	1020200	1000.000 ug/L	0.00
80) Chrysene - d12 (I)	12.34	240	1113338	1000.000 ul/l	0.00
86) Perylene - d12 (I)	14.00	264	1078698	1000.000 ug/L	0.00
System Monitoring Compounds					
4) 2 - Fluorophenol (S)	4.31	112	622710	2652.07 ug/L	-0.02
8) Phenol - d5 (S)	5.26	99	714947	2705.30 ug/L	0.00
24) Nitrobenzene - d5 (S)	6.06	82	597728	2634.94 ug/L	0.00
44) 2 - Fluorobiphenyl (S)	7.58	172	1557131	2456.08 ug/L	0.00
66) 2,4,6 - Tribromophenol (S)	8.80	330	257819	2522.54 ug/L	0.00
79) p - Terphenyl - d14 (S)	11.16	244	1646172	2665.09 ug/L	0.00
Target Compounds					Qvalue
2) N-Nitrosodimethylamine	2.65	74	1924370	12444.204 ug/L	97
3) Pyridine	2.62	79	3524757	12556.376 ug/L	96
5) Cyclohexanone	4.56	55	488978	2658.008 ul/L	98
6) Benzaldehyde	5.17	105	567453	2672.582 ul/L	98
7) Aniline	5.27	93	665706	2360.526 ug/L	92
9) Phenol	5.27	94	751927	2668.467 ug/L	95
10) bis(2-Chloroethyl)ether	5.35	93	707021	2546.619 ug/L	100
11) 2-Chlorophenol	5.37	128	686292	2644.470 ug/L	98
12) Decane	5.43	57	719137	2520.834 ul/L	99
13) 1,3-Dichlorobenzene	5.50	146	828075	2532.856 ug/L	99
14) 1,4-Dichlorobenzene	5.57	146	828747	2440.210 ug/L	99
15) Benzyl alcohol	5.71	79	424926	2427.369 ug/L	99
16) 1,2-Dichlorobenzene	5.71	146	839659	2465.526 ug/L	99
17) 2-Methylphenol	5.81	108	567045	2691.466 ug/L	98
18) bis(2-chloroisopropyl)ethe	5.83	45	737051	2451.127 ug/L	98
19) 3-&4-Methylphenol	5.95	108	1144971	4859.538 ug/L	98
20) n-Nitroso-di-n-propylamine	5.94	70	391448	2441.272 ug/L	96
21) Acetophenone	5.93	105	857545	2716.799 ul/L	100
22) Hexachloroethane	6.00	201	327187	2511.592 ug/L	98
25) Nitrobenzene	6.08	77	582157	2649.986 ug/L	98
26) Isophorone	6.29	82	1240061	2717.704 ug/L	95
27) 2-Nitrophenol	6.35	139	359897	2849.080 ug/L	99
28) 2,4-Dimethylphenol	6.40	107	526597	2568.118 ug/L	96
29) bis(2-Chloroethoxy)methane	6.48	93	715730	2523.918 ug/L	90
30) Benzoic Acid	6.54	105	1903256	12058.239 ug/L	100
31) 2,4-Dichlorophenol	6.56	162	541655	2920.597 ug/L	98

(#) = qualifier out of range (m) = manual integration

00800

Data File : H:\DATA\022505_A\AT03662.D
Acq On : 25 Feb 2005 8:19 am
Sample : 1281-1-9 2500 8270 ical
Misc :
MS Integration Params: Rteint.p
Quant Time: Feb 25 12:13:53 2005

Vial: 3
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: 8270_022505.RES

Quant Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Fri Feb 25 12:12:29 2005
Response via : Initial Calibration
DataAcq Meth : 8270

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
32)	1,2,4-Trichlorobenzene	6.62	180	706030	2494.797 ug/L	98
33)	Naphthalene	6.68	128	2082909	2439.327 ug/L	100
34)	4-Chloroaniline	6.74	127	455180	2731.405 ug/L	98
35)	Hexachlorobutadiene	6.80	225	423447	2484.893 ug/L	99
36)	4-Chloro-3-methylphenol	7.15	107	493596	2457.095 ug/L	94
37)	2-Methylnaphthalene	7.27	141	1153251	2549.096 ug/L	96
38)	1-Methylnaphthalene	7.35	141	1186499	2517.115 ul/l	99
40)	Hexachlorocyclopentadiene	7.40	237	416882	2488.895 ug/L	100
41)	2,3-Dichloroaniline	7.51	161	683690	2694.697 ul/L	98
42)	2,4,6-Trichlorophenol	7.51	196	418488	3034.786 ug/L	99
43)	2,4,5-Trichlorophenol	7.53	196	434829	2478.049 ug/L	93
45)	2-Chloronaphthalene	7.67	162	1281514	2497.667 ug/L	99
46)	Biphenyl	7.66	154	1642730	2493.957 ul/L	100
47)	2-Nitroaniline	7.76	138	374713	2474.441 ug/L	95
48)	Dimethylphthalate	7.92	163	1434268	2599.333 ug/L	100
49)	Acenaphthylene	8.01	152	2128668	2626.828 ug/L	100
50)	2,6-Dinitrotoluene	7.97	165	348432	2463.701 ug/L	93
51)	3-Nitroaniline	8.12	138	48944	2397.942 ug/L	88
52)	Acenaphthene	8.16	153	1301710	2441.195 ug/L	97
54)	4-Nitrophenol	8.25	139	1124288	12227.872 ug/L	96
55)	Dibenzofuran	8.30	168	1753989	2455.348 ug/L	93
56)	2,4-Dinitrotoluene	8.30	165	433894	2446.605 ug/L	89
57)	2,3,4,6-Tetrachlorophenol	8.37	232	362471	2443.099 ug/L	95
58)	2,3,5,6-Tetrachlorophenol	8.40	232	361980	2634.153 ul/l	92
59)	Diethylphthalate	8.52	149	1408141	2412.959 ug/L	98
60)	Fluorene	8.60	166	1426211	2594.269 ug/L	96
61)	4-Chlorophenylphenylether	8.60	204	703092	2429.916 ug/L	99
62)	4-Nitroaniline	8.63	138	203997	2595.815 ug/L	95
64)	4,6-Dinitro-2-methylphenol	8.64	198	1397698	12439.091 ug/L	98
65)	n-Nitrosodiphenylamine	8.71	169	936663	2456.700 ug/L	100
67)	Azobenzene	8.74	77	1052209	2537.831 ug/L	98
68)	4-Bromophenylphenylether	9.04	248	433124	2515.693 ug/L	97
69)	Hexachlorobenzene	9.08	284	553767	2479.896 ug/L	94
70)	Pentachlorophenol	9.27	266	299334	3252.379 ug/L	98
71)	Phenanthrene	9.48	178	2066092	2484.003 ug/L	98
72)	Anthracene	9.53	178	2032743	2694.585 ug/L	100
73)	Octadecane	9.38	57	692235	2867.853 ul/L	99
74)	Carbazole	9.70	167	1263106	2473.322 ug/L	99
75)	Di-n-butylphthalate	10.08	149	2306186	2579.392 ug/L	100
76)	Fluoranthene	10.71	202	2335078	2750.650 ug/L	97
77)	Pyrene	10.95	202	2359833	2680.057 ug/L	97

(#) = qualifier out of range (m) = manual integration

108800

Quantitation Report (QT Reviewed)

Data File : H:\DATA\022505_A\AT03662.D
Acq On : 25 Feb 2005 8:19 am
Sample : 1281-1-9 2500 8270 ical
Misc :
MS Integration Params: Rteint.p
Quant Time: Feb 25 12:13:53 2005

Vial: 3
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: 8270_022505.RES

Quant Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Fri Feb 25 12:12:29 2005
Response via : Initial Calibration
DataAcq Meth : 8270

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
78)	Benzidine	10.88	184	224030	1855.633	ul/l	99
81)	Butylbenzylphthalate	11.75	149	972172	2459.164	ug/L	94
82)	Benzo(a)anthracene	12.33	228	2189132	2706.732	ug/L	99
83)	3,3'-Dichlorobenzidine	12.33	252	540497	2350.232	ug/L	96
84)	Chrysene	12.36	228	2060889	2444.712	ug/L	95
85)	bis(2-Ethylhexyl)phthalate	12.44	149	1434137	2745.522	ug/L	98
87)	Di-n-octylphthalate	13.19	149	2361160	2824.710	ug/L	100
88)	Benzo(b)fluoranthene	13.53	252	2369677	2516.540	ul/l	99
89)	benzo(k)fluoranthene	13.57	252	2260535	2730.335	ul/l	100
90)	Benzofluoranthenes	13.55	252	4643787	5537.155	ug/L	100
91)	Benzo(a)pyrene	13.93	252	2089276	2905.605	ug/L	98
92)	Indeno(1,2,3-cd)pyrene	15.58	276	1989310	2506.855	ug/L	99
93)	Dibenz(a,h)anthracene	15.62	278	2180517	2584.500	ug/L	97
94)	Benzo(g,h,i)perylene	15.92	276	2223244	2768.358	ug/L	96

(#) = qualifier out of range (m) = manual integration

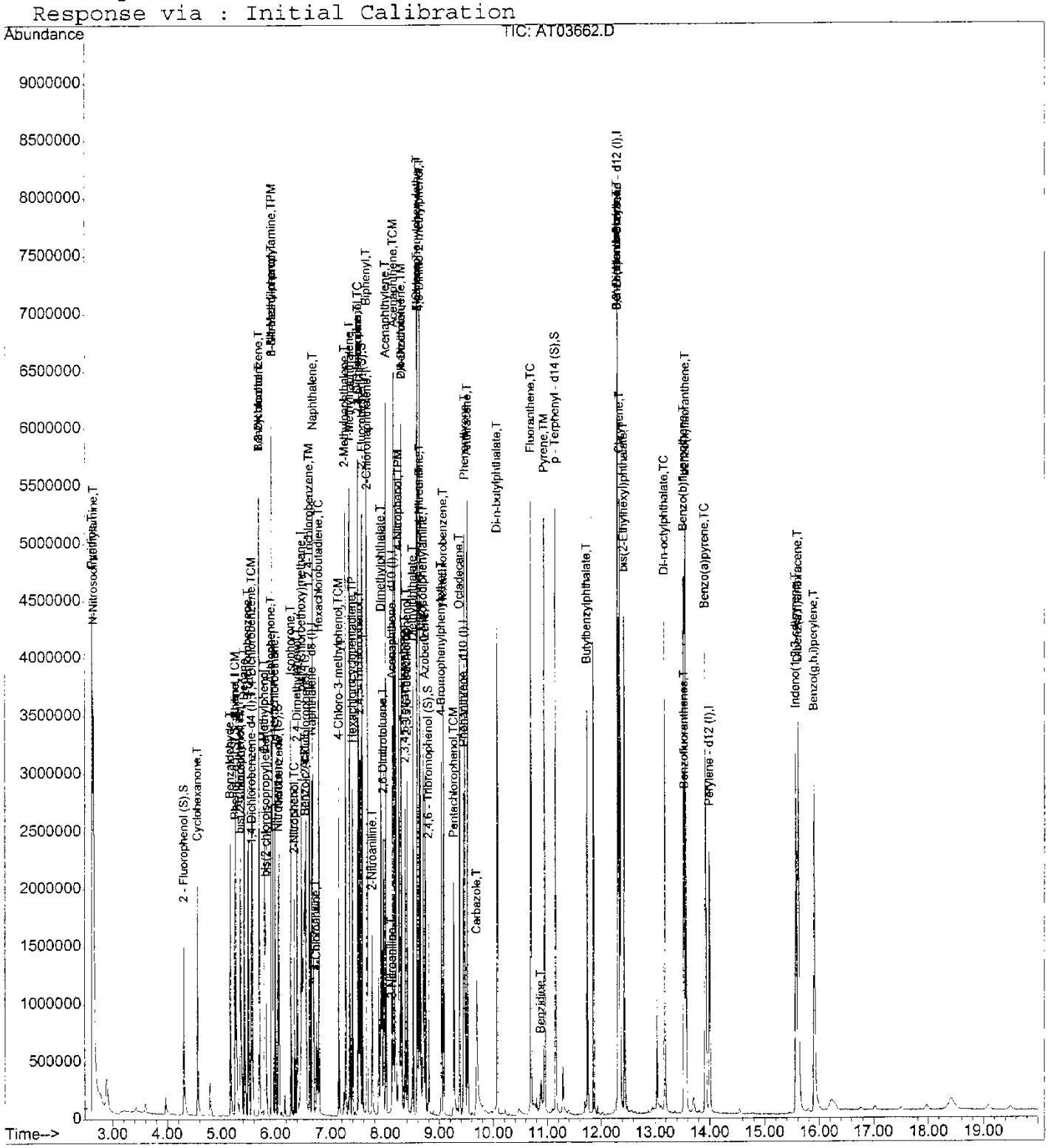
00802

Quantitation Report (QT Reviewed)

Data File : H:\DATA\022505_A\AT03662.D
Acq On : 25 Feb 2005 8:19 am
Sample : 1281-1-9 2500 8270 ical
Misc :
MS Integration Params: Rteint.p
Quant Time: Feb 25 12:14 2005

Vial: 3
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: 8270_022505.

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Fri Feb 25 12:12:29 2005
Response via : Initial Calibration



00803

Quantitation Report (Not Reviewed)

Data File : H:\DATA\022505_A\AT03663.D
Acq On : 25 Feb 2005 8:46 am
Sample : 1281-1-8 2000 8270 ical
Misc :
MS Integration Params: Rteint.p
Quant Time: Feb 25 12:14:21 2005

Vial: 4
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00

Quant Results File: 8270_022505.RES

Quant Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Fri Feb 25 12:12:29 2005
Response via : Initial Calibration
DataAcq Meth : 8270

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4 (I)	5.56	152	287919	1000.000 ug/L	0.00
23) Naphthalene - d8 (I)	6.67	136	1152567	1000.000 ug/L	0.00
39) Acenaphthene - d10 (I)	8.13	162	605375	1000.000 ug/L	0.00
63) Phenanthrene - d10 (I)	9.45	188	1070870	1000.000 ug/L	0.00
80) Chrysene - d12 (I)	12.33	240	1203614	1000.000 ul/l	0.00
86) Perylene - d12 (I)	14.00	264	1143606	1000.000 ug/L	0.00
System Monitoring Compounds					
4) 2 - Fluorophenol (S)	4.31	112	534942	2219.01 ug/L	-0.02
8) Phenol - d5 (S)	5.26	99	618922	2281.03 ug/L	0.00
24) Nitrobenzene - d5 (S)	6.05	82	512455	2168.48 ug/L	-0.01
44) 2 - Fluorobiphenyl (S)	7.58	172	1340408	2052.10 ug/L	0.00
66) 2,4,6 - Tribromophenol (S)	8.81	330	212207	1984.39 ug/L	0.00
79) p - Terphenyl - d14 (S)	11.15	244	1433621	2211.15 ug/L	0.00
Target Compounds					Qvalue
2) N-Nitrosodimethylamine	2.65	74	1595139	10091.762 ug/L	96
3) Pyridine	2.62	79	2818486	9818.978 ug/L	94
5) Cyclohexanone	4.56	55	379893	2011.326 ul/L	97
6) Benzaldehyde	5.17	105	470170	2156.802 ul/L	98
7) Aniline	5.27	93	593708	2053.523 ug/L	82
9) Phenol	5.27	94	661019	2284.832 ug/L	99
10) bis(2-Chloroethyl)ether	5.34	93	597209	2095.136 ug/L	97
11) 2-Chlorophenol	5.37	128	585842	2198.692 ug/L	98
12) Decane	5.43	57	596199	2035.532 ul/L	99
13) 1,3-Dichlorobenzene	5.50	146	687855	2049.236 ug/L	97
14) 1,4-Dichlorobenzene	5.57	146	713946	2047.504 ug/L	99
15) Benzyl alcohol	5.70	79	372068	2073.523 ug/L	97
16) 1,2-Dichlorobenzene	5.71	146	697711	1995.430 ug/L	99
17) 2-Methylphenol	5.81	108	491723	2273.244 ug/L	99
18) bis(2-chloroisopropyl)ethe	5.83	45	612423	1983.691 ug/L	99
19) 3-&4-Methylphenol	5.95	108	993258	4110.031 ug/L	99
20) n-Nitroso-di-n-propylamine	5.94	70	334746	2037.484 ug/L	98
21) Acetophenone	5.93	105	745737	2301.126 ul/L	99
22) Hexachloroethane	6.00	201	269862	2017.664 ug/L	98
25) Nitrobenzene	6.08	77	497653	2174.513 ug/L	99
26) Isophorone	6.28	82	1032727	2172.584 ug/L	99
27) 2-Nitrophenol	6.35	139	311035	2363.565 ug/L	98
28) 2,4-Dimethylphenol	6.40	107	421846	1981.130 ug/L	97
29) bis(2-Chloroethoxy)methane	6.48	93	629939	2132.340 ug/L	99
30) Benzoic Acid	6.53	105	1654397	10472.529 ug/L	99
31) 2,4-Dichlorophenol	6.55	162	466855	2416.366 ug/L	93

(#) = qualifier out of range (m) = manual integration

000804

Data File : H:\DATA\022505_A\AT03663.D
Acq On : 25 Feb 2005 8:46 am
Sample : 1281-1-8 2000 8270 ical
Misc :
MS Integration Params: Rteint.p
Quant Time: Feb 25 12:14:21 2005

Vial: 4
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: 8270_022505.RES

Quant Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Fri Feb 25 12:12:29 2005
Response via : Initial Calibration
DataAcq Meth : 8270

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
32)	1,2,4-Trichlorobenzene	6.62	180	587892	1994.075 ug/L	98
33)	Naphthalene	6.68	128	1795112	2018.009 ug/L	99
34)	4-Chloroaniline	6.75	127	343190	1976.830 ug/L	99
35)	Hexachlorobutadiene	6.79	225	355563	2002.890 ug/L	96
36)	4-Chloro-3-methylphenol	7.15	107	426652	2044.976 ug/L	98
37)	2-Methylnaphthalene	7.27	141	975988	2070.803 ug/L	96
38)	1-Methylnaphthalene	7.35	141	993825	2023.846 ul/l	97
40)	Hexachlorocyclopentadiene	7.39	237	357221	2074.836 ug/L	98
41)	2,3-Dichloroaniline	7.51	161	573105	2192.442 ul/L	98
42)	2,4,6-Trichlorophenol	7.50	196	356302	2507.879 ug/L	87
43)	2,4,5-Trichlorophenol	7.53	196	364789	2023.910 ug/L	91
45)	2-Chloronaphthalene	7.67	162	1096746	2074.725 ug/L	99
46)	Biphenyl	7.66	154	1411013	2079.204 ul/L	100
47)	2-Nitroaniline	7.76	138	321812	2066.207 ug/L	98
48)	Dimethylphthalate	7.92	163	1214500	2136.350 ug/L	100
49)	Acenaphthylene	8.01	152	1785561	2138.659 ug/L	100
50)	2,6-Dinitrotoluene	7.97	165	294476	2025.633 ug/L	92
51)	3-Nitroaniline	8.11	138	28026	1101.811 ug/L	92
52)	Acenaphthene	8.16	153	1099483	2001.336 ug/L	99
53)	2,4-Dinitrophenol	8.19	184	809040	10269.187 ug/L	97
54)	4-Nitrophenol	8.25	139	962802	10309.081 ug/L	99
55)	Dibenzofuran	8.30	168	1507941	2048.867 ug/L	100
56)	2,4-Dinitrotoluene	8.30	165	364546	2000.915 ug/L	96
57)	2,3,4,6-Tetrachlorophenol	8.37	232	308211	2025.228 ug/L	97
58)	2,3,5,6-Tetrachlorophenol	8.40	232	307775	2173.868 ul/l	99
59)	Diethylphthalate	8.51	149	1182336	1966.473 ug/L	99
60)	Fluorene	8.59	166	1210508	2137.186 ug/L	96
61)	4-Chlorophenylphenylether	8.60	204	600733	2015.134 ug/L	95
62)	4-Nitroaniline	8.63	138	111167	1372.996 ug/L	83
64)	4,6-Dinitro-2-methylphenol	8.64	198	1191917	10177.739 ug/L	97
65)	n-Nitrosodiphenylamine	8.70	169	790903	1977.998 ug/L	98
67)	Azobenzene	8.74	77	916326	2105.520 ug/L	94
68)	4-Bromophenylphenylether	9.03	248	365525	2022.604 ug/L	98
69)	Hexachlorobenzene	9.08	284	469377	2002.520 ug/L	95
70)	Pentachlorophenol	9.27	266	242176	2506.830 ug/L	99
71)	Phenanthrene	9.47	178	1766627	2023.466 ug/L	99
72)	Anthracene	9.52	178	1748102	2207.622 ug/L	99
73)	Octadecane	9.38	57	581080	2293.442 ul/L	100
74)	Carbazole	9.69	167	703921	1313.147 ug/L	99
75)	Di-n-butylphthalate	10.07	149	2011886	2143.754 ug/L	100
76)	Fluoranthene	10.70	202	2012520	2258.513 ug/L	98

(#) = qualifier out of range (m) = manual integration

00805

Quantitation Report (Not Reviewed)

Data File : H:\DATA\022505_A\AT03663.D
Acq On : 25 Feb 2005 8:46 am
Sample : 1281-1-8 2000 8270 ical
Misc :
MS Integration Params: Rteint.p
Quant Time: Feb 25 12:14:21 2005

Vial: 4
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: 8270_022505.RES

Quant Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Fri Feb 25 12:12:29 2005
Response via : Initial Calibration
DataAcq Meth : 8270

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
77)	Pyrene	10.95	202	2018861	2184.327	ug/L	99
78)	Benzidine	10.88	184	165671	1307.317	ul/l	97
81)	Butylbenzylphthalate	11.74	149	863372	2032.658	ug/L	95
82)	Benzo(a)anthracene	12.32	228	1921390	2197.499	ug/L	99
83)	3,3'-Dichlorobenzidine	12.32	252	490749	1978.248	ug/L	97
84)	Chrysene	12.36	228	1811459	1987.657	ug/L	98
85)	bis(2-Ethylhexyl)phthalate	12.44	149	1245367	2205.319	ug/L	99
87)	Di-n-octylphthalate	13.18	149	2057893	2322.174	ug/L	100
88)	Benzo(b)fluoranthene	13.53	252	2041029	2046.870	ul/l	98
89)	benzo(k)fluoranthene	13.56	252	1925934	2194.166	ul/l	99
90)	Benzofluoranthenes	13.55	252	3998118	4496.695	ug/L	96
91)	Benzo(a)pyrene	13.93	252	1799409	2360.446	ug/L	100
92)	Indeno(1,2,3-cd)pyrene	15.57	276	1719285	2047.181	ug/L	98
93)	Dibenz(a,h)anthracene	15.61	278	1757054	1967.414	ug/L	98
94)	Benzo(g,h,i)perylene	15.91	276	1884505	2213.380	ug/L	98

(#) = qualifier out of range (m) = manual integration

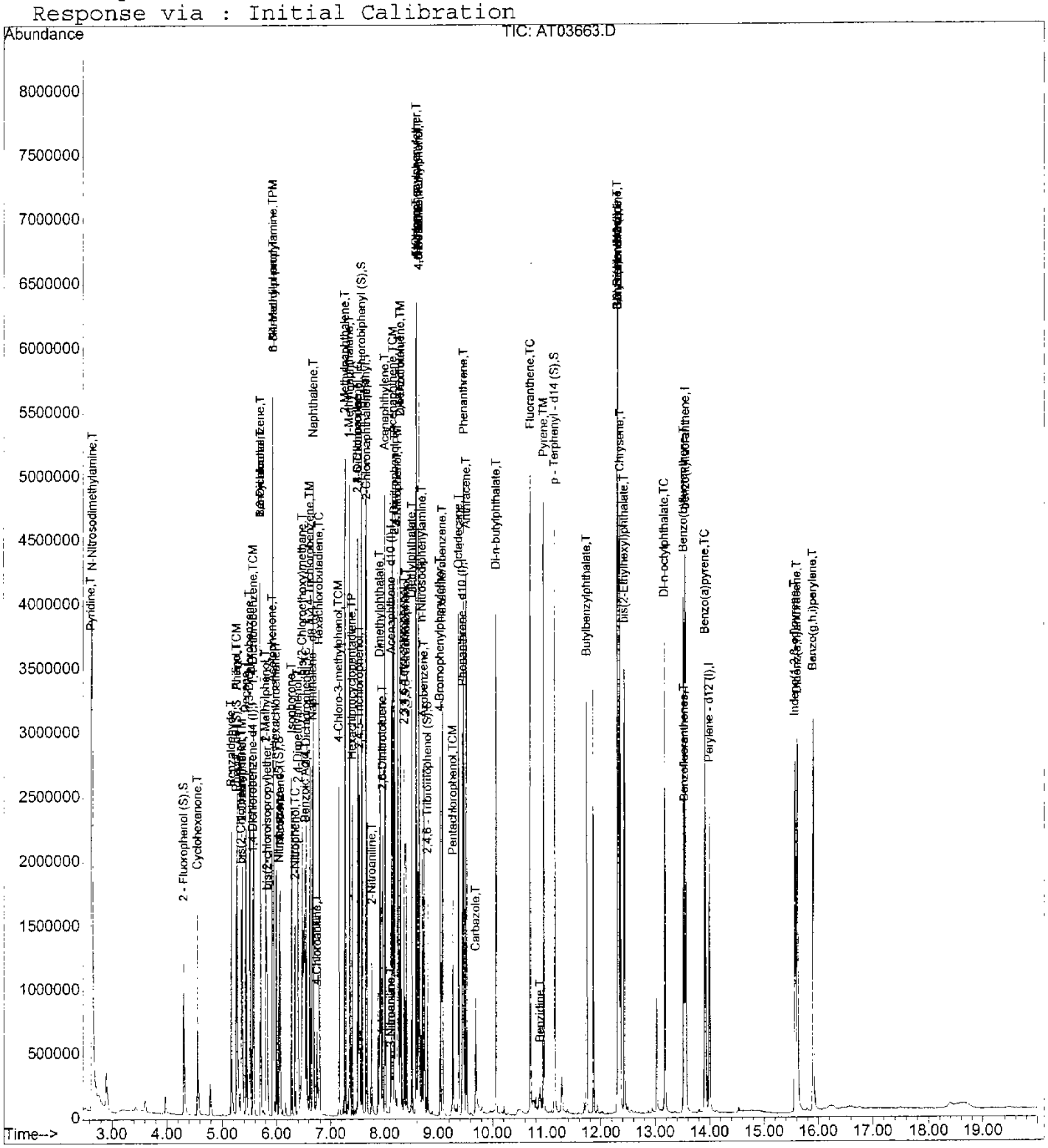
000800

Quantitation Report (Not Reviewed)

Data File : H:\DATA\022505_A\AT03663.D
Acq On : 25 Feb 2005 8:46 am
Sample : 1281-1-8 2000 8270 ical
Misc :
MS Integration Params: Rteint.p
Quant Time: Feb 25 12:15 2005

Vial: 4
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: 8270_022505.

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Fri Feb 25 12:12:29 2005
Response via : Initial Calibration



00007

Quantitation Report (Not Reviewed)

Data File : H:\DATA\022505_A\AT03664.D
Acq On : 25 Feb 2005 9:14 am
Sample : 1281-1-6 1000 8270 ical
Misc :
MS Integration Params: Rteint.p
Quant Time: Feb 25 12:14:41 2005

Vial: 5
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: 8270_022505.RES

Quant Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Fri Feb 25 12:12:29 2005
Response via : Initial Calibration
DataAcq Meth : 8270

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4 (I)	5.56	152	279421	1000.000	ug/L	0.00
23) Naphthalene - d8 (I)	6.67	136	1121338	1000.000	ug/L	0.00
39) Acenaphthene - d10 (I)	8.13	162	602982	1000.000	ug/L	0.00
63) Phenanthrene - d10 (I)	9.45	188	1113423	1000.000	ug/L	0.00
80) Chrysene - d12 (I)	12.33	240	1203489	1000.000	ul/l	0.00
86) Perylene - d12 (I)	14.00	264	1117382	1000.000	ug/L	0.00
System Monitoring Compounds						
4) 2 - Fluorophenol (S)	4.30	112	260299	1112.60	ug/L	-0.03
8) Phenol - d5 (S)	5.25	99	302381	1148.31	ug/L	0.00
24) Nitrobenzene - d5 (S)	6.05	82	254093	1105.15	ug/L	-0.01
44) 2 - Fluorobiphenyl (S)	7.58	172	678766	1043.28	ug/L	0.00
66) 2,4,6 - Tribromophenol (S)	8.80	330	112523	1026.46	ug/L	0.00
79) p - Terphenyl - d14 (S)	11.15	244	740731	1098.81	ug/L	0.00
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	2.65	74	752546	5025.554	ug/L	98
3) Pyridine	2.62	79	1459756	5323.912	ug/L	94
5) Cyclohexanone	4.56	55	192197	1048.526	ul/L	100
6) Benzaldehyde	5.17	105	228517	1080.153	ul/L	99
7) Aniline	5.27	93	299245	1077.681	ug/L	95
9) Phenol	5.27	94	326356	1162.367	ug/L	94
10) bis(2-Chloroethyl)ether	5.34	93	291432	1053.500	ug/L	97
11) 2-Chlorophenol	5.36	128	291862	1128.685	ug/L	98
12) Decane	5.43	57	296759	1044.003	ul/L	99
13) 1,3-Dichlorobenzene	5.50	146	345787	1061.488	ug/L	97
14) 1,4-Dichlorobenzene	5.57	146	353390	1044.299	ug/L	98
15) Benzyl alcohol	5.70	79	178842	1038.607	ug/L	97
16) 1,2-Dichlorobenzene	5.71	146	353793	1042.609	ug/L	97
17) 2-Methylphenol	5.81	108	240838	1147.260	ug/L	98
18) bis(2-chloroisopropyl)ethe	5.83	45	309748	1033.814	ug/L	97
19) 3-&4-Methylphenol	5.95	108	495962	2127.354	ug/L	99
20) n-Nitroso-di-n-propylamine	5.94	70	163955	1040.551	ug/L	98
21) Acetophenone	5.93	105	370348	1177.541	ul/L	98
22) Hexachloroethane	6.00	201	133708	1030.092	ug/L	95
25) Nitrobenzene	6.07	77	249359	1119.928	ug/L	95
26) Isophorone	6.28	82	508025	1098.514	ug/L	98
27) 2-Nitrophenol	6.35	139	151121	1180.355	ug/L	96
28) 2,4-Dimethylphenol	6.40	107	208549	1020.177	ug/L	96
29) bis(2-Chloroethoxy)methane	6.48	93	307013	1068.180	ug/L	97
30) Benzoic Acid	6.50	105	727193	5505.294	ug/L	99
31) 2,4-Dichlorophenol	6.55	162	228048	1213.212	ug/L	94

(#) = qualifier out of range (m) = manual integration

000800

Data File : H:\DATA\022505_A\AT03664.D
Acq On : 25 Feb 2005 9:14 am
Sample : 1281-1-6 1000 8270 ical
Misc :
MS Integration Params: Rteint.p
Quant Time: Feb 25 12:14:41 2005

Vial: 5
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: 8270_022505.RES

Quant Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Fri Feb 25 12:12:29 2005
Response via : Initial Calibration
DataAcq Meth : 8270

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
32)	1,2,4-Trichlorobenzene	6.62	180	297306	1036.519	ug/L	99
33)	Naphthalene	6.68	128	905193	1045.929	ug/L	99
34)	4-Chloroaniline	6.74	127	217665	1288.703	ug/L	99
35)	Hexachlorobutadiene	6.79	225	179977	1042.047	ug/L	98
36)	4-Chloro-3-methylphenol	7.15	107	208723	1046.576	ug/L	98
37)	2-Methylnaphthalene	7.27	141	500721	1091.993	ug/L	100
38)	1-Methylnaphthalene	7.35	141	513614	1075.063	ul/l	97
40)	Hexachlorocyclopentadiene	7.39	237	168895	999.926	ug/L	99
41)	2,3-Dichloroaniline	7.50	161	299284	1149.470	ul/L	99
42)	2,4,6-Trichlorophenol	7.50	196	173795	1228.134	ug/L	89
43)	2,4,5-Trichlorophenol	7.53	196	182570	1033.336	ug/L	93
45)	2-Chloronaphthalene	7.67	162	563138	1069.521	ug/L	96
46)	Biphenyl	7.66	154	725771	1073.707	ul/L	100
47)	2-Nitroaniline	7.76	138	161902	1054.224	ug/L	90
48)	Dimethylphthalate	7.92	163	620040	1095.002	ug/L	100
49)	Acenaphthylene	8.01	152	923479	1110.488	ug/L	100
50)	2,6-Dinitrotoluene	7.97	165	149999	1048.540	ug/L	94
51)	3-Nitroaniline	8.10	138	55185	2685.971	ug/L	89
52)	Acenaphthene	8.15	153	574636	1050.133	ug/L	98
53)	2,4-Dinitrophenol	8.19	184	377082	5540.881	ug/L	94
54)	4-Nitrophenol	8.24	139	440616	5207.470	ug/L	95
55)	Dibenzofuran	8.30	168	786726	1073.181	ug/L	97
56)	2,4-Dinitrotoluene	8.29	165	192603	1076.021	ug/L	90
57)	2,3,4,6-Tetrachlorophenol	8.37	232	155949	1053.887	ug/L	97
58)	2,3,5,6-Tetrachlorophenol	8.40	232	162649	1153.377	ul/l	99
59)	Diethylphthalate	8.51	149	630811	1053.335	ug/L	98
60)	Fluorene	8.59	166	639434	1133.419	ug/L	97
61)	4-Chlorophenylphenylether	8.60	204	318847	1073.804	ug/L	94
62)	4-Nitroaniline	8.62	138	76832	952.699	ug/L	94
64)	4,6-Dinitro-2-methylphenol	8.64	198	597793	5108.019	ug/L	96
65)	n-Nitrosodiphenylamine	8.70	169	444709	1073.801	ug/L	99
67)	Azobenzene	8.74	77	485668	1073.310	ug/L	95
68)	4-Bromophenylphenylether	9.03	248	194289	1033.996	ug/L	97
69)	Hexachlorobenzene	9.08	284	249060	1021.964	ug/L	96
70)	Pentachlorophenol	9.27	266	118972	1184.445	ug/L	97
71)	Phenanthrene	9.47	178	942542	1038.313	ug/L	99
72)	Anthracene	9.52	178	922847	1120.893	ug/L	100
73)	Octadecane	9.38	57	299674	1137.568	ul/L	99
74)	Carbazole	9.69	167	591677	1061.575	ug/L	99
75)	Di-n-butylphthalate	10.07	149	1053618	1079.770	ug/L	99
76)	Fluoranthene	10.70	202	1046640	1129.682	ug/L	96

(#) = qualifier out of range (m) = manual integration

60800

Quantitation Report (Not Reviewed)

Data File : H:\DATA\022505_A\AT03664.D
Acq On : 25 Feb 2005 9:14 am
Sample : 1281-1-6 1000 8270 ical
Misc :
MS Integration Params: Rteint.p
Quant Time: Feb 25 12:14:41 2005

Vial: 5
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: 8270_022505.RES

Quant Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Fri Feb 25 12:12:29 2005
Response via : Initial Calibration
DataAcq Meth : 8270

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
77)	Pyrene	10.95	202	1063302	1106.482	ug/L	98
78)	Benzidine	10.88	184	346344	2628.564	ul/l	97
81)	Butylbenzylphthalate	11.74	149	421195	1027.632	ug/L	98
82)	Benzo(a)anthracene	12.32	228	969700	1109.164	ug/L	99
83)	3,3'-Dichlorobenzidine	12.32	252	290948	1184.105	ug/L	100
84)	Chrysene	12.36	228	935319	1026.403	ug/L	97
85)	bis(2-Ethylhexyl)phthalate	12.44	149	614865	1088.928	ug/L	99
87)	Di-n-octylphthalate	13.18	149	977442	1128.854	ug/L	100
88)	Benzo(b)fluoranthene	13.53	252	961151	993.068	ul/l	99
89)	benzo(k)fluoranthene	13.56	252	1012188	1180.223	ul/l	97
90)	Benzofluoranthenes	13.55	252	1995493	2297.010	ug/L	98
91)	Benzo(a)pyrene	13.93	252	890445	1195.490	ug/L	100
92)	Indeno(1,2,3-cd)pyrene	15.57	276	836451	1029.053	ug/L	95
93)	Dibenz(a,h)anthracene	15.61	278	873805	1007.589	ug/L	99
94)	Benzo(g,h,i)perylene	15.91	276	947625	1139.121	ug/L	99

(#) = qualifier out of range (m) = manual integration

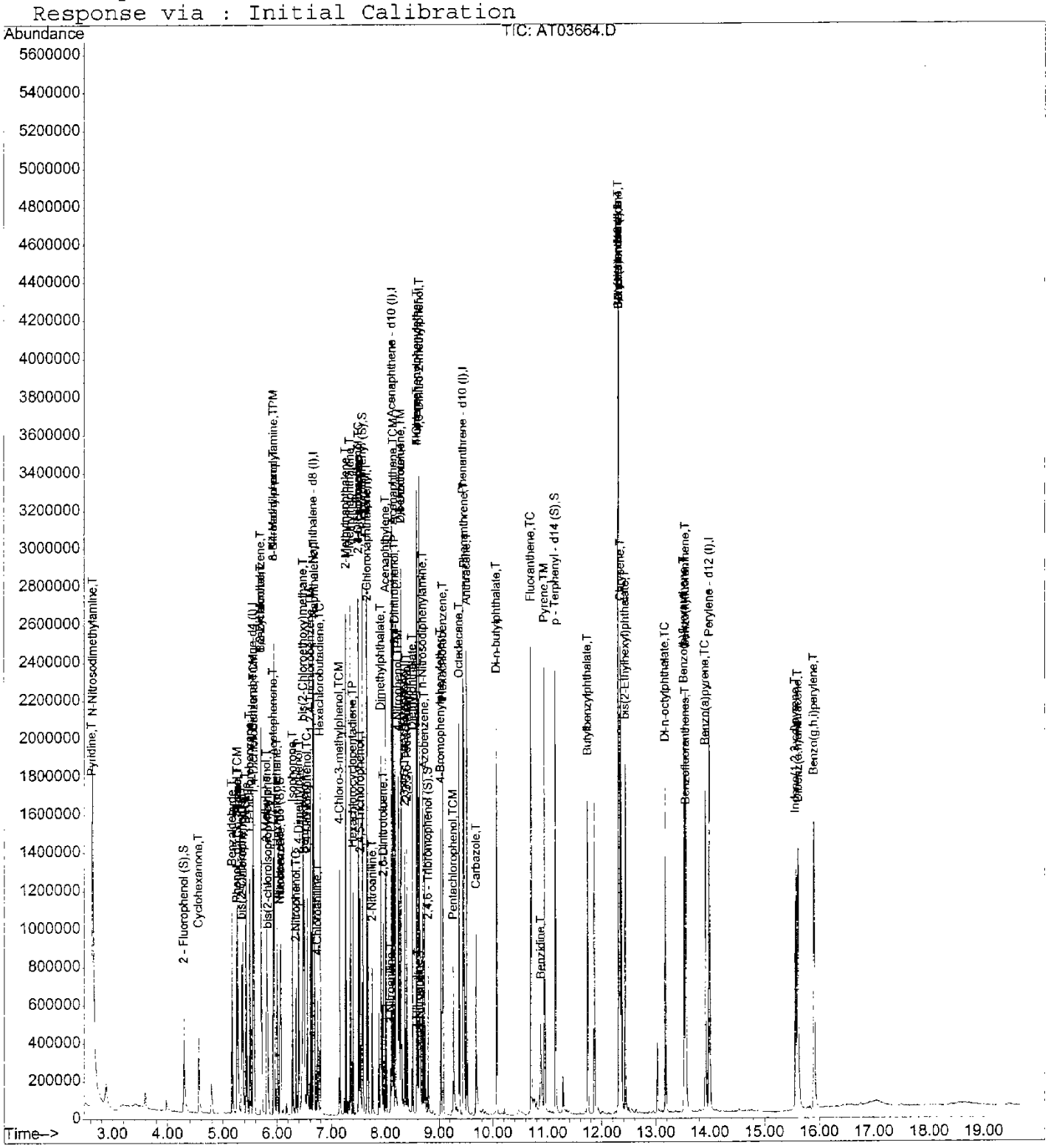
00810

Quantitation Report (Not Reviewed)

Data File : H:\DATA\022505_A\AT03664.D
Acq On : 25 Feb 2005 9:14 am
Sample : 1281-1-6 1000 8270 ical
Misc :
MS Integration Params: Rteint.p
Quant Time: Feb 25 12:15 2005

Vial: 5
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: 8270_022505.

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Fri Feb 25 12:12:29 2005
Response via : Initial Calibration



00811

Quantitation Report (Not Reviewed)

Data File : H:\DATA\022505_A\AT03665.D
Acq On : 25 Feb 2005 9:41 am
Sample : 1281-1-5 500 8270 ical
Misc :
MS Integration Params: Rteint.p
Quant Time: Feb 25 12:15:04 2005

Vial: 6
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: 8270_022505.RES

Quant Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Fri Feb 25 12:12:29 2005
Response via : Initial Calibration
DataAcq Meth : 8270

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4 (I)	5.56	152	282777	1000.000	ug/L	0.00
23) Naphthalene - d8 (I)	6.66	136	1125907	1000.000	ug/L	0.00
39) Acenaphthene - d10 (I)	8.13	162	596846	1000.000	ug/L	0.00
63) Phenanthrene - d10 (I)	9.45	188	1044678	1000.000	ug/L	0.00
80) Chrysene - d12 (I)	12.33	240	1143008	1000.000	ul/l	0.00
86) Perylene - d12 (I)	14.00	264	1072381	1000.000	ug/L	0.00
System Monitoring Compounds						
4) 2 - Fluorophenol (S)	4.30	112	122484	517.32	ug/L	-0.03
8) Phenol - d5 (S)	5.25	99	135927	510.07	ug/L	0.00
24) Nitrobenzene - d5 (S)	6.05	82	119106	515.94	ug/L	-0.01
44) 2 - Fluorobiphenyl (S)	7.58	172	324391	503.72	ug/L	0.00
66) 2,4,6 - Tribromophenol (S)	8.81	330	47496	478.01	ug/L	0.00
79) p - Terphenyl - d14 (S)	11.15	244	328441	519.27	ug/L	0.00
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	2.65	74	337483	2356.723	ug/L	98
3) Pyridine	2.64	79	613985	2317.698	ug/L	97
5) Cyclohexanone	4.56	55	90102	485.715	ul/L	98
6) Benzaldehyde	5.17	105	107940	504.155	ul/L	98
7) Aniline	5.27	93	141693	516.596	ug/L	68
9) Phenol	5.26	94	150976	531.342	ug/L	87
10) bis(2-Chloroethyl)ether	5.34	93	139425	498.027	ug/L	100
11) 2-Chlorophenol	5.36	128	138178	528.018	ug/L	98
12) Decane	5.43	57	146490	509.238	ul/L	99
13) 1,3-Dichlorobenzene	5.50	146	167034	506.671	ug/L	97
14) 1,4-Dichlorobenzene	5.57	146	174765	510.317	ug/L	97
15) Benzyl alcohol	5.70	79	80158	472.805	ug/L	99
16) 1,2-Dichlorobenzene	5.71	146	172645	502.737	ug/L	97
17) 2-Methylphenol	5.81	108	110959	522.293	ug/L	97
18) bis(2-chloroisopropyl)ethe	5.83	45	152072	501.531	ug/L	99
19) 3-&4-Methylphenol	5.95	108	221333	952.713	ug/L	97
20) n-Nitroso-di-n-propylamine	5.94	70	75499	486.966	ug/L	98
21) Acetophenone	5.93	105	169891	533.766	ul/L	98
22) Hexachloroethane	6.00	201	66429	505.698	ug/L	94
25) Nitrobenzene	6.07	77	114733	513.201	ug/L	93
26) Isophorone	6.28	82	232732	501.200	ug/L	98
27) 2-Nitrophenol	6.35	139	70324	547.048	ug/L	97
28) 2,4-Dimethylphenol	6.40	107	85757	433.990	ug/L	91
29) bis(2-Chloroethoxy)methane	6.48	93	146490	507.609	ug/L	85
30) Benzoic Acid	6.47	105	230613	2128.123	ug/L	97
31) 2,4-Dichlorophenol	6.55	162	104257	552.395	ug/L	95

(#) = qualifier out of range (m) = manual integration

00812

Data File : H:\DATA\022505_A\AT03665.D
Acq On : 25 Feb 2005 9:41 am
Sample : 1281-1-5 500 8270 ical
Misc :
MS Integration Params: Rteint.p
Quant Time: Feb 25 12:15:04 2005

Vial: 6
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: 8270_022505.RES

Quant Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Fri Feb 25 12:12:29 2005
Response via : Initial Calibration
DataAcq Meth : 8270

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
32)	1,2,4-Trichlorobenzene	6.62	180	145068	503.708	ug/L	96
33)	Naphthalene	6.68	128	439403	505.660	ug/L	98
34)	4-Chloroaniline	6.74	127	90472	533.473	ug/L	99
35)	Hexachlorobutadiene	6.79	225	87606	505.171	ug/L	98
36)	4-Chloro-3-methylphenol	7.15	107	89668	468.834	ug/L	98
37)	2-Methylnaphthalene	7.27	141	237850	516.608	ug/L	97
38)	1-Methylnaphthalene	7.35	141	244510	509.715	ul/l	99
40)	Hexachlorocyclopentadiene	7.39	237	72842	451.848	ug/L	96
41)	2,3-Dichloroaniline	7.50	161	136142	528.261	ul/L	99
42)	2,4,6-Trichlorophenol	7.50	196	75508	539.068	ug/L	89
43)	2,4,5-Trichlorophenol	7.53	196	80433	478.204	ug/L	91
45)	2-Chloronaphthalene	7.67	162	269763	517.606	ug/L	98
46)	Biphenyl	7.66	154	338650	506.150	ul/L	99
47)	2-Nitroaniline	7.76	138	66380	449.224	ug/L	92
48)	Dimethylphthalate	7.92	163	278648	497.156	ug/L	100
49)	Acenaphthylene	8.01	152	433780	526.985	ug/L	99
50)	2,6-Dinitrotoluene	7.97	165	65671	478.204	ug/L	93
51)	3-Nitroaniline	8.10	138	33689	1457.342	ug/L	86
52)	Acenaphthene	8.15	153	273956	505.795	ug/L	95
53)	2,4-Dinitrophenol	8.19	184	121609	2192.620	ug/L	95
54)	4-Nitrophenol	8.25	139	130964	2177.078	ug/L	95
55)	Dibenzofuran	8.30	168	368227	507.466	ug/L	97
56)	2,4-Dinitrotoluene	8.29	165	84992	497.021	ug/L	92
57)	2,3,4,6-Tetrachlorophenol	8.37	232	66904	485.675	ug/L	98
58)	2,3,5,6-Tetrachlorophenol	8.40	232	70446	504.683	ul/l	96
59)	Diethylphthalate	8.51	149	288381	486.492	ug/L	98
60)	Fluorene	8.59	166	290166	519.617	ug/L	96
61)	4-Chlorophenylphenylether	8.60	204	148819	506.341	ug/L	94
62)	4-Nitroaniline	8.61	138	46763	585.811	ug/L	92
64)	4,6-Dinitro-2-methylphenol	8.64	198	228321	2306.795	ug/L	94
65)	n-Nitrosodiphenylamine	8.70	169	193183	501.975	ug/L	99
67)	Azobenzene	8.74	77	219960	518.092	ug/L	96
68)	4-Bromophenylphenylether	9.03	248	88694	503.086	ug/L	99
69)	Hexachlorobenzene	9.08	284	114911	502.540	ug/L	97
70)	Pentachlorophenol	9.27	266	44156	468.530	ug/L	99
71)	Phenanthrene	9.47	178	434583	510.244	ug/L	99
72)	Anthracene	9.52	178	413944	535.863	ug/L	99
73)	Octadecane	9.38	57	130990	529.961	ul/L	100
74)	Carbazole	9.69	167	315950	604.174	ug/L	99
75)	Di-n-butylphthalate	10.07	149	437506	477.870	ug/L	100
76)	Fluoranthene	10.70	202	454024	522.295	ug/L	98

(#) = qualifier out of range (m) = manual integration

00813

Quantitation Report (Not Reviewed)

Data File : H:\DATA\022505_A\AT03665.D
Acq On : 25 Feb 2005 9:41 am
Sample : 1281-1-5 500 8270 ical
Misc :
MS Integration Params: Rteint.p
Quant Time: Feb 25 12:15:04 2005

Vial: 6
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: 8270_022505.RES

Quant Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Fri Feb 25 12:12:29 2005
Response via : Initial Calibration
DataAcq Meth : 8270

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
77)	Pyrene	10.95	202	475360	527.216	ug/L	98
78)	Benzidine	10.88	184	296094	2395.070	ul/l	99
81)	Butylbenzylphthalate	11.74	149	169900	476.784	ug/L	95
82)	Benzo(a)anthracene	12.32	228	426513	513.669	ug/L	98
83)	3,3'-Dichlorobenzidine	12.32	252	118434	523.158	ug/L	97
84)	Chrysene	12.36	228	428916	495.591	ug/L	99
85)	bis(2-Ethylhexyl)phthalate	12.44	149	253074	471.910	ug/L	99
87)	Di-n-octylphthalate	13.18	149	376652	453.252	ug/L	98
88)	Benzo(b)fluoranthene	13.53	252	428177	467.729	ul/l	97
89)	benzo(k)fluoranthene	13.56	252	453419	550.878	ul/l	99
90)	Benzofluoranthenes	13.55	252	895143	1073.637	ug/L	99
91)	Benzo(a)pyrene	13.93	252	391674	547.919	ug/L	98
92)	Indeno(1,2,3-cd)pyrene	15.56	276	344226	452.297	ug/L	99
93)	Dibenz(a,h)anthracene	15.61	278	384542	468.869	ug/L	97
94)	Benzo(g,h,i)perylene	15.91	276	427874	535.922	ug/L	94

(#) = qualifier out of range (m) = manual integration

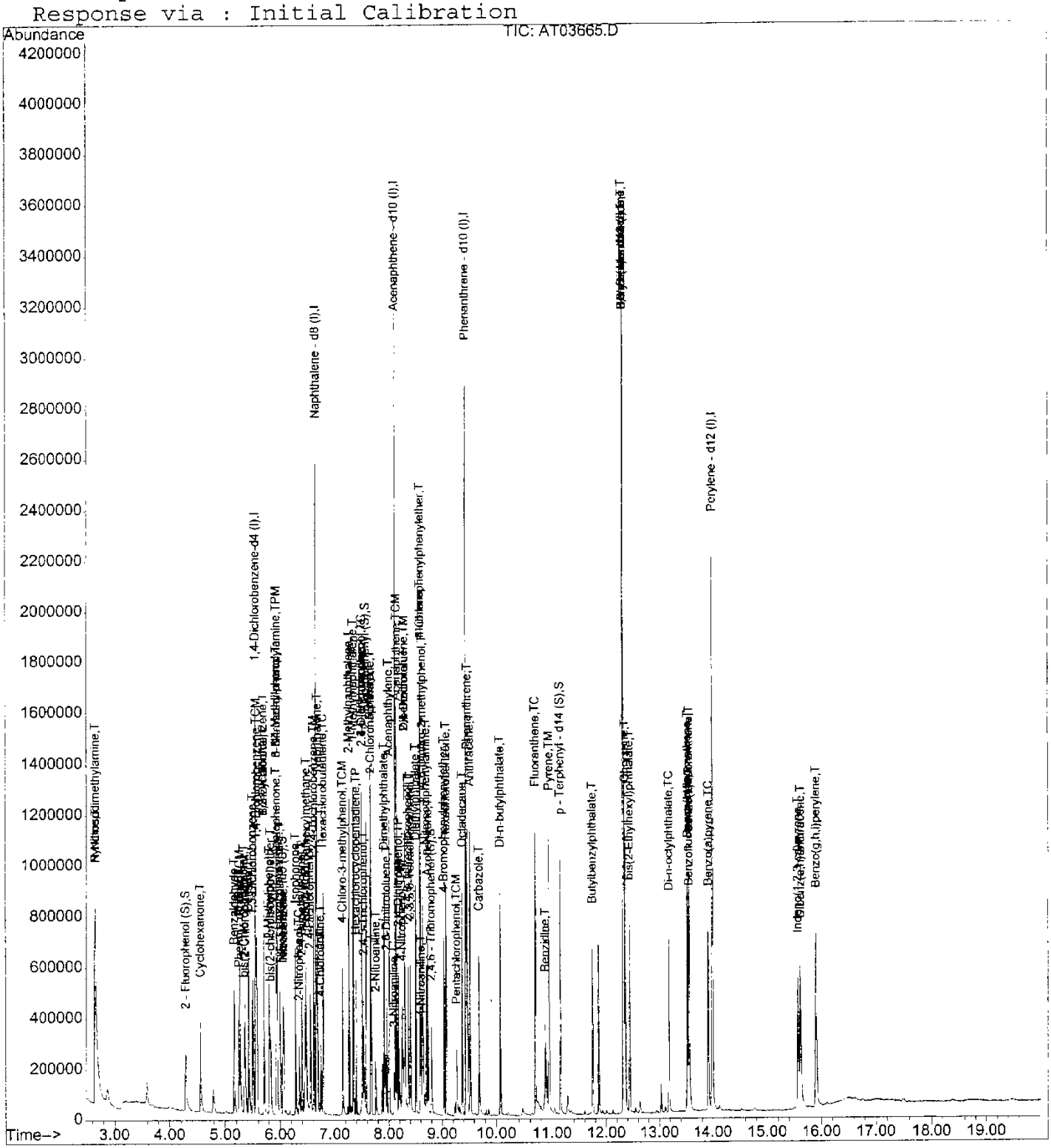
00814

Quantitation Report (Not Reviewed)

Data File : H:\DATA\022505_A\AT03665.D
Acq On : 25 Feb 2005 9:41 am
Sample : 1281-1-5 500 8270 ical
Misc :
MS Integration Params: Rteint.p
Quant Time: Feb 25 12:16 2005

Vial: 6
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: 8270_022505.

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Fri Feb 25 12:12:29 2005
Response via : Initial Calibration



00815

Quantitation Report (Not Reviewed)

Data File : H:\DATA\022505_A\AT03666.D
Acq On : 25 Feb 2005 10:09 am
Sample : 1281-1-4 200 8270 ical
Misc :
MS Integration Params: Rteint.p
Quant Time: Feb 25 12:15:15 2005

Vial: 7
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: 8270_022505.RES

Quant Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Fri Feb 25 12:12:29 2005
Response via : Initial Calibration
DataAcq Meth : 8270

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4 (I)	5.56	152	280434	1000.000	ug/L	0.00
23) Naphthalene - d8 (I)	6.66	136	1116487	1000.000	ug/L	0.00
39) Acenaphthene - d10 (I)	8.13	162	602611	1000.000	ug/L	0.00
63) Phenanthrene - d10 (I)	9.45	188	1034099	1000.000	ug/L	0.00
80) Chrysene - d12 (I)	12.33	240	1072556	1000.000	ul/l	0.00
86) Perylene - d12 (I)	14.00	264	1013360	1000.000	ug/L	0.00
System Monitoring Compounds						
4) 2 - Fluorophenol (S)	4.29	112	42885	182.64	ug/L	-0.03
8) Phenol - d5 (S)	5.25	99	48013	181.67	ug/L	0.00
24) Nitrobenzene - d5 (S)	6.05	82	43284	189.08	ug/L	-0.01
44) 2 - Fluorobiphenyl (S)	7.58	172	128357	197.41	ug/L	0.00
66) 2,4,6 - Tribromophenol (S)	8.80	330	16416	186.10	ug/L	0.00
79) p - Terphenyl - d14 (S)	11.15	244	121254	193.67	ug/L	0.00
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	2.66	74	117127	976.202	ug/L	98
3) Pyridine	2.66	79	211587	922.615	ug/L	95
5) Cyclohexanone	4.56	55	34977	190.127	ul/L	96
6) Benzaldehyde	5.17	105	42957	202.315	ul/L	98
7) Aniline	5.27	93	50264	199.716	ug/L	68
9) Phenol	5.26	94	53891	191.248	ug/L	88
10) bis(2-Chloroethyl)ether	5.35	93	52222	188.096	ug/L	99
11) 2-Chlorophenol	5.36	128	50426	194.302	ug/L	98
12) Decane	5.43	57	56526	198.141	ul/L	99
13) 1,3-Dichlorobenzene	5.50	146	64971	198.726	ug/L	96
14) 1,4-Dichlorobenzene	5.57	146	67921	199.988	ug/L	99
15) Benzyl alcohol	5.70	79	28857	186.291	ug/L	97
16) 1,2-Dichlorobenzene	5.71	146	68839	202.132	ug/L	98
17) 2-Methylphenol	5.81	108	39678	188.328	ug/L	96
18) bis(2-chloroisopropyl)ethe	5.83	45	59589	198.166	ug/L	100
19) 3-&4-Methylphenol	5.95	108	79658	362.392	ug/L	99
20) n-Nitroso-di-n-propylamine	5.94	70	27383	193.799	ug/L	98
21) Acetophenone	5.93	105	61842	195.920	ul/L	99
22) Hexachloroethane	6.00	201	25952	199.213	ug/L	97
25) Nitrobenzene	6.07	77	42443	191.449	ug/L	96
26) Isophorone	6.28	82	83471	181.276	ug/L	97
27) 2-Nitrophenol	6.35	139	23939	187.792	ug/L	98
28) 2,4-Dimethylphenol	6.40	107	33940	189.683	ug/L	96
29) bis(2-Chloroethoxy)methane	6.48	93	53878	188.270	ug/L	100
30) Benzoic Acid	6.44	105	45475	711.589	ug/L	97
31) 2,4-Dichlorophenol	6.55	162	34573	184.727	ug/L	95

(#) = qualifier out of range (m) = manual integration

008816

Quantitation Report (Not Reviewed)

Data File : H:\DATA\022505_A\AT03666.D
Acq On : 25 Feb 2005 10:09 am
Sample : 1281-1-4 200 8270 ical
Misc :
MS Integration Params: Rteint.p
Quant Time: Feb 25 12:15:15 2005

Vial: 7
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: 8270_022505.RES

Quant Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Fri Feb 25 12:12:29 2005
Response via : Initial Calibration
DataAcq Meth : 8270

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
32)	1,2,4-Trichlorobenzene	6.62	180	56911	199.275 ug/L	99
33)	Naphthalene	6.68	128	173572	201.430 ug/L	99
34)	4-Chloroaniline	6.74	127	29633	176.207 ug/L	99
35)	Hexachlorobutadiene	6.79	225	33864	196.921 ug/L	97
36)	4-Chloro-3-methylphenol	7.15	107	29577	180.499 ug/L	93
37)	2-Methylnaphthalene	7.27	141	91295	199.965 ug/L	97
38)	1-Methylnaphthalene	7.35	141	97627	205.234 ul/l	98
40)	Hexachlorocyclopentadiene	7.39	237	25910	177.735 ug/L	92
41)	2,3-Dichloroaniline	7.50	161	49665	190.867 ul/L	98
42)	2,4,6-Trichlorophenol	7.50	196	26031	184.063 ug/L	89
43)	2,4,5-Trichlorophenol	7.53	196	27314	182.697 ug/L	90
45)	2-Chloronaphthalene	7.67	162	103866	197.386 ug/L	97
46)	Biphenyl	7.66	154	132874	196.695 ul/L	98
47)	2-Nitroaniline	7.76	138	22630	165.870 ug/L	88
48)	Dimethylphthalate	7.92	163	104583	184.809 ug/L	98
49)	Acenaphthylene	8.01	152	165856	199.566 ug/L	99
50)	2,6-Dinitrotoluene	7.97	165	22855	181.782 ug/L	97
51)	3-Nitroaniline	8.10	138	9398	26.442 ug/L	85
52)	Acenaphthene	8.15	153	109563	200.347 ug/L	90
53)	2,4-Dinitrophenol	8.19	184	22716	700.038 ug/L	96
54)	4-Nitrophenol	8.27	139	20465	1078.548 ug/L	88
55)	Dibenzofuran	8.30	168	145147	198.118 ug/L	95
56)	2,4-Dinitrotoluene	8.29	165	27370	179.799 ug/L	86
57)	2,3,4,6-Tetrachlorophenol	8.37	232	21172	187.239 ug/L	91
58)	2,3,5,6-Tetrachlorophenol	8.40	232	25447	180.561 ul/l	96
59)	Diethylphthalate	8.51	149	116537	194.715 ug/L	99
60)	Fluorene	8.59	166	112156	198.923 ug/L	97
61)	4-Chlorophenylphenylether	8.60	204	58814	198.194 ug/L	93
62)	4-Nitroaniline	8.62	138	18298	227.031 ug/L	97
64)	4,6-Dinitro-2-methylphenol	8.65	198	59972	893.936 ug/L	97
65)	n-Nitrosodiphenylamine	8.70	169	71126	192.340 ug/L	94
67)	Azobenzene	8.74	77	79086	188.184 ug/L	97
68)	4-Bromophenylphenylether	9.03	248	33829	193.846 ug/L	97
69)	Hexachlorobenzene	9.08	284	46095	203.650 ug/L	99
70)	Pentachlorophenol	9.27	266	12961	138.933 ug/L	96
71)	Phenanthrene	9.47	178	167974	199.236 ug/L	99
72)	Anthracene	9.52	178	149231	195.160 ug/L	100
73)	Octadecane	9.38	57	46669	190.746 ul/L	98
74)	Carbazole	9.69	167	116070	224.225 ug/L	100
75)	Di-n-butylphthalate	10.07	149	156032	172.171 ug/L	99
76)	Fluoranthene	10.70	202	167170	194.274 ug/L	95

(#) = qualifier out of range (m) = manual integration

00817

Data File : H:\DATA\022505_A\AT03666.D
Acq On : 25 Feb 2005 10:09 am
Sample : 1281-1-4 200 8270 ical
Misc :
MS Integration Params: Rteint.p
Quant Time: Feb 25 12:15:15 2005

Vial: 7
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: 8270_022505.RES

Quant Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Fri Feb 25 12:12:29 2005
Response via : Initial Calibration
DataAcq Meth : 8270

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
77)	Pyrene	10.95	202	175212	196.313	ug/L	100
78)	Benzidine	10.88	184	127775	1044.131	ul/l	95
81)	Butylbenzylphthalate	11.74	149	52397	203.761	ug/L	89
82)	Benzo(a)anthracene	12.32	228	149643	192.060	ug/L	97
83)	3,3'-Dichlorobenzidine	12.32	252	31841	169.430	ug/L	97
84)	Chrysene	12.36	228	162000	199.478	ug/L	98
85)	bis(2-Ethylhexyl)phthalate	12.44	149	77132	153.277	ug/L	98
87)	Di-n-octylphthalate	13.18	149	105802	134.734	ug/L	99
88)	Benzo(b)fluoranthene	13.53	252	149832	181.161	ul/l	98
89)	benzo(k)fluoranthene	13.56	252	153863	197.822	ul/l	98
90)	Benzofluoranthenes	13.55	252	311571	395.465	ug/L	97
91)	Benzo(a)pyrene	13.93	252	136917	202.691	ug/L	98
92)	Indeno(1,2,3-cd)pyrene	15.57	276	116707	174.671	ug/L	92
93)	Dibenz(a,h)anthracene	15.62	278	127990	173.335	ug/L	97
94)	Benzo(g,h,i)perylene	15.91	276	148993	197.486	ug/L	93

(#) = qualifier out of range (m) = manual integration

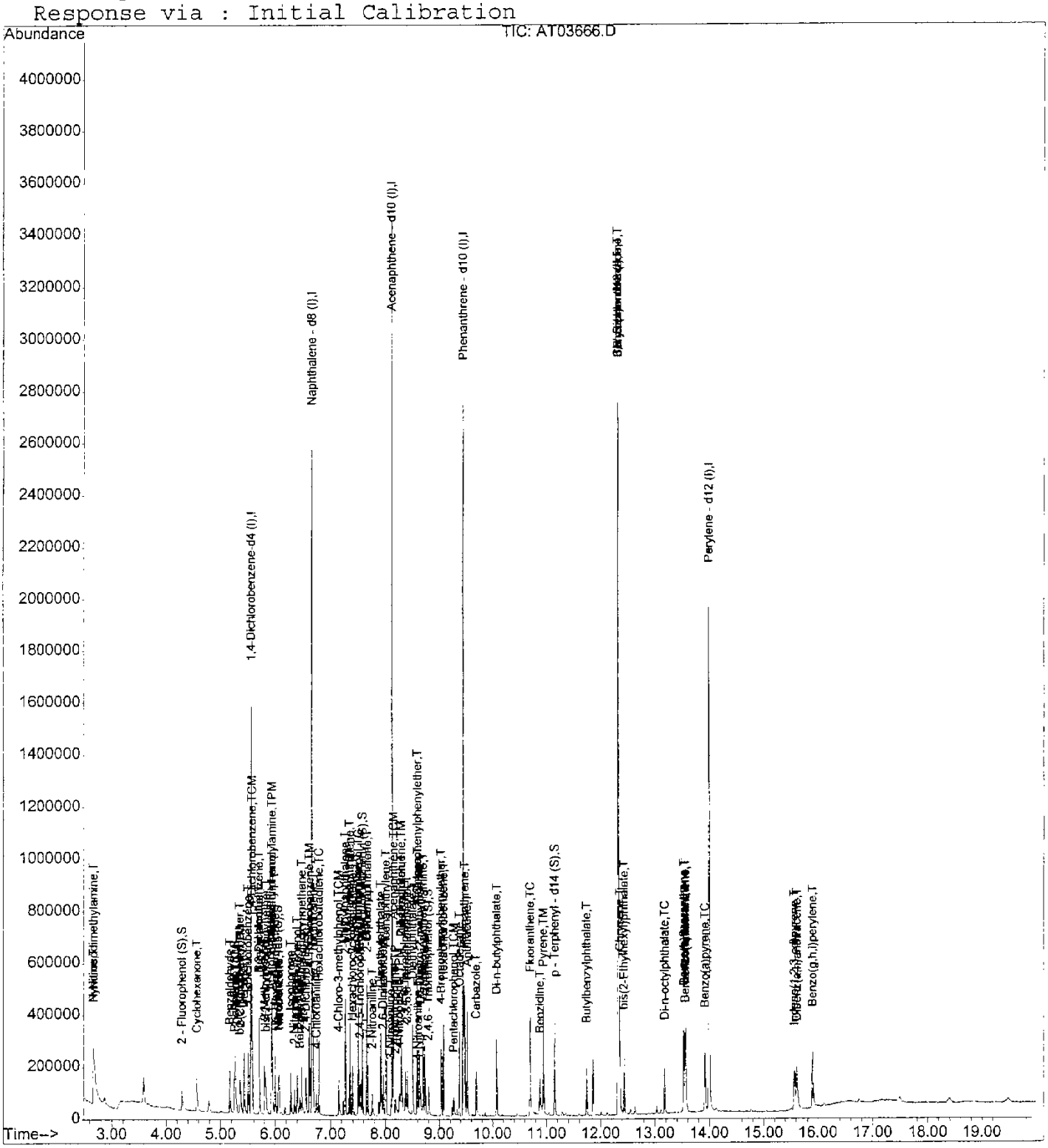
000818

Quantitation Report (Not Reviewed)

Data File : H:\DATA\022505_A\AT03666.D
Acq On : 25 Feb 2005 10:09 am
Sample : 1281-1-4 200 8270 ical
Misc :
MS Integration Params: Rteint.p
Quant Time: Feb 25 12:16 2005

Vial: 7
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: 8270_022505.

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Fri Feb 25 12:12:29 2005
Response via : Initial Calibration



000819

Quantitation Report (Not Reviewed)

Data File : H:\DATA\022505_A\AT03667.D
Acq On : 25 Feb 2005 10:36 am
Sample : 1281-1-3 100 8270 ical
Misc :
MS Integration Params: Rteint.p
Quant Time: Feb 25 12:15:39 2005

Vial: 8
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: 8270_022505.RES

Quant Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Fri Feb 25 12:12:29 2005
Response via : Initial Calibration
DataAcq Meth : 8270

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4 (I)	5.56	152	281056	1000.000	ug/L	0.00
23) Naphthalene - d8 (I)	6.66	136	1108216	1000.000	ug/L	0.00
39) Acenaphthene - d10 (I)	8.13	162	598028	1000.000	ug/L	0.00
63) Phenanthrene - d10 (I)	9.45	188	1008179	1000.000	ug/L	0.00
80) Chrysene - d12 (I)	12.33	240	1062968	1000.000	ul/l	0.00
86) Perylene - d12 (I)	14.00	264	1012188	1000.000	ug/L	0.00
System Monitoring Compounds						
4) 2 - Fluorophenol (S)	4.29	112	21309	90.55	ug/L	-0.03
8) Phenol - d5 (S)	5.25	99	23711	89.52	ug/L	0.00
24) Nitrobenzene - d5 (S)	6.05	82	20942	92.16	ug/L	-0.01
44) 2 - Fluorobiphenyl (S)	7.58	172	64461	99.90	ug/L	0.00
66) 2,4,6 - Tribromophenol (S)	8.80	330	6840	96.43	ug/L	0.00
79) p - Terphenyl - d14 (S)	11.15	244	58815	96.35	ug/L	0.00
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	2.69	74	47020	530.679	ug/L	94
3) Pyridine	2.70	79	95992	515.978	ug/L	93
5) Cyclohexanone	4.56	55	17710	96.054	ul/L	97
6) Benzaldehyde	5.17	105	20674	97.153	ul/L	98
7) Aniline	5.27	93	19615	91.957	ug/L	75
9) Phenol	5.26	94	24343	86.197	ug/L	78
10) bis(2-Chloroethyl)ether	5.35	93	26260	94.375	ug/L	90
11) 2-Chlorophenol	5.36	128	23047	88.609	ug/L	95
12) Decane	5.43	57	28401	99.334	ul/L	98
13) 1,3-Dichlorobenzene	5.50	146	33274	101.549	ug/L	96
14) 1,4-Dichlorobenzene	5.57	146	33904	99.607	ug/L	97
15) Benzyl alcohol	5.71	79	12777	95.147	ug/L	96
16) 1,2-Dichlorobenzene	5.71	146	35490	103.979	ug/L	94
17) 2-Methylphenol	5.81	108	18515	87.685	ug/L	99
18) bis(2-chloroisopropyl)ethe	5.82	45	30365	100.757	ug/L	94
19) 3-&4-Methylphenol	5.95	108	37707	184.949	ug/L	97
20) n-Nitroso-di-n-propylamine	5.94	70	11847	97.730	ug/L	92
21) Acetophenone	5.93	105	30479	96.346	ul/L	94
22) Hexachloroethane	6.00	201	13059	100.022	ug/L	91
25) Nitrobenzene	6.07	77	20865	94.819	ug/L	95
26) Isophorone	6.28	82	37448	81.933	ug/L	98
27) 2-Nitrophenol	6.35	139	10562	83.473	ug/L	89
28) 2,4-Dimethylphenol	6.40	107	14912	99.242	ug/L	83
29) bis(2-Chloroethoxy)methane	6.48	93	25551	89.951	ug/L	100
30) Benzoic Acid	6.44	105	15600	470.312	ug/L	84
31) 2,4-Dichlorophenol	6.55	162	14949	80.470	ug/L	93

(#) = qualifier out of range (m) = manual integration

00820

Data File : H:\DATA\022505_A\AT03667.D
Acq On : 25 Feb 2005 10:36 am
Sample : 1281-1-3 100 8270 ical
Misc :
MS Integration Params: Rteint.p
Quant Time: Feb 25 12:15:39 2005

Vial: 8
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: 8270_022505.RES

Quant Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Fri Feb 25 12:12:29 2005
Response via : Initial Calibration
DataAcq Meth : 8270

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
32)	1,2,4-Trichlorobenzene	6.62	180	28927	102.044 ug/L	97
33)	Naphthalene	6.68	128	86836	101.525 ug/L	99
34)	4-Chloroaniline	6.74	127	11390	68.234 ug/L	91
35)	Hexachlorobutadiene	6.79	225	17228	100.929 ug/L	96
36)	4-Chloro-3-methylphenol	7.15	107	11534	93.247 ug/L	89
37)	2-Methylnaphthalene	7.27	141	44657	98.543 ug/L	100
38)	1-Methylnaphthalene	7.35	141	47970	101.597 ul/l	99
40)	Hexachlorocyclopentadiene	7.39	237	11625	96.047 ug/L	98
41)	2,3-Dichloroaniline	7.50	161	25204	97.604 ul/L	98
42)	2,4,6-Trichlorophenol	7.51	196	10697	76.217 ug/L	93
43)	2,4,5-Trichlorophenol	7.54	196	11821	98.248 ug/L	83
45)	2-Chloronaphthalene	7.67	162	50887	97.446 ug/L	97
46)	Biphenyl	7.66	154	67965	101.380 ul/L	99
47)	2-Nitroaniline	7.76	138	10523	89.104 ug/L	99
48)	Dimethylphthalate	7.92	163	49349	87.873 ug/L	96
49)	Acenaphthylene	8.01	152	79969	96.960 ug/L	97
50)	2,6-Dinitrotoluene	7.97	165	10129	95.494 ug/L	94
51)	3-Nitroaniline	8.11	138	3403	Below Cal #	60
52)	Acenaphthene	8.15	153	54030	99.556 ug/L	91
53)	2,4-Dinitrophenol	8.20	184	7433	461.697 ug/L	98
55)	Dibenzofuran	8.30	168	70252	96.625 ug/L	96
56)	2,4-Dinitrotoluene	8.30	165	11492	94.094 ug/L	80
57)	2,3,4,6-Tetrachlorophenol	8.37	232	8308	104.871 ug/L	96
58)	2,3,5,6-Tetrachlorophenol	8.40	232	11103	79.386 ul/l	93
59)	Diethylphthalate	8.51	149	62465	105.169 ug/L	97
60)	Fluorene	8.59	166	54268	96.989 ug/L	99
61)	4-Chlorophenylphenylether	8.60	204	27771	94.301 ug/L	97
62)	4-Nitroaniline	8.63	138	8124	101.570 ug/L	84
64)	4,6-Dinitro-2-methylphenol	8.65	198	21861	574.420 ug/L	97
65)	n-Nitrosodiphenylamine	8.70	169	33082	96.451 ug/L	97
67)	Azobenzene	8.74	77	36125	88.169 ug/L	95
68)	4-Bromophenylphenylether	9.03	248	16555	97.302 ug/L	95
69)	Hexachlorobenzene	9.08	284	21880	99.152 ug/L	96
70)	Pentachlorophenol	9.27	266	5725	62.946 ug/L	86
71)	Phenanthrene	9.47	178	81195	98.782 ug/L	98
72)	Anthracene	9.52	178	71008	95.250 ug/L	97
73)	Octadecane	9.38	57	22276	93.387 ul/L	99
74)	Carbazole	9.69	167	52851	104.723 ug/L	94
75)	Di-n-butylphthalate	10.07	149	79148	89.580 ug/L	100
76)	Fluoranthene	10.70	202	79997	95.358 ug/L	96
77)	Pyrene	10.95	202	84394	96.989 ug/L	98

(#) = qualifier out of range (m) = manual integration

008821

Data File : H:\DATA\022505_A\AT03667.D
Acq On : 25 Feb 2005 10:36 am
Sample : 1281-1-3 100 8270 ical
Misc :
MS Integration Params: Rteint.p
Quant Time: Feb 25 12:15:39 2005

Vial: 8
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: 8270_022505.RES

Quant Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Fri Feb 25 12:12:29 2005
Response via : Initial Calibration
DataAcq Meth : 8270

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
78)	Benzidine	10.88	184	53914	451.892	ul/l	98
81)	Butylbenzylphthalate	11.74	149	25076	134.645	ug/L	100
82)	Benzo(a)anthracene	12.32	228	71936	93.159	ug/L	99
83)	3,3'-Dichlorobenzidine	12.33	252	13984	90.333	ug/L	92
84)	Chrysene	12.36	228	81569	101.346	ug/L	96
85)	bis(2-Ethylhexyl)phthalate	12.44	149	34497	69.171	ug/L	96
87)	Di-n-octylphthalate	13.18	149	45792	58.382	ug/L	98
88)	Benzo(b)fluoranthene	13.53	252	71257	92.874	ul/l	99
89)	benzo(k)fluoranthene	13.56	252	74141	95.434	ul/l	95
90)	Benzofluoranthenes	13.55	252	149365	189.802	ug/L	96
91)	Benzo(a)pyrene	13.92	252	58650	86.926	ug/L	95
92)	Indeno(1,2,3-cd)pyrene	15.57	276	49319	85.048	ug/L	100
93)	Dibenz(a,h)anthracene	15.63	278	66835	96.651	ug/L	98
94)	Benzo(g,h,i)perylene	15.92	276	73225	97.170	ug/L	91

(#) = qualifier out of range (m) = manual integration

00822

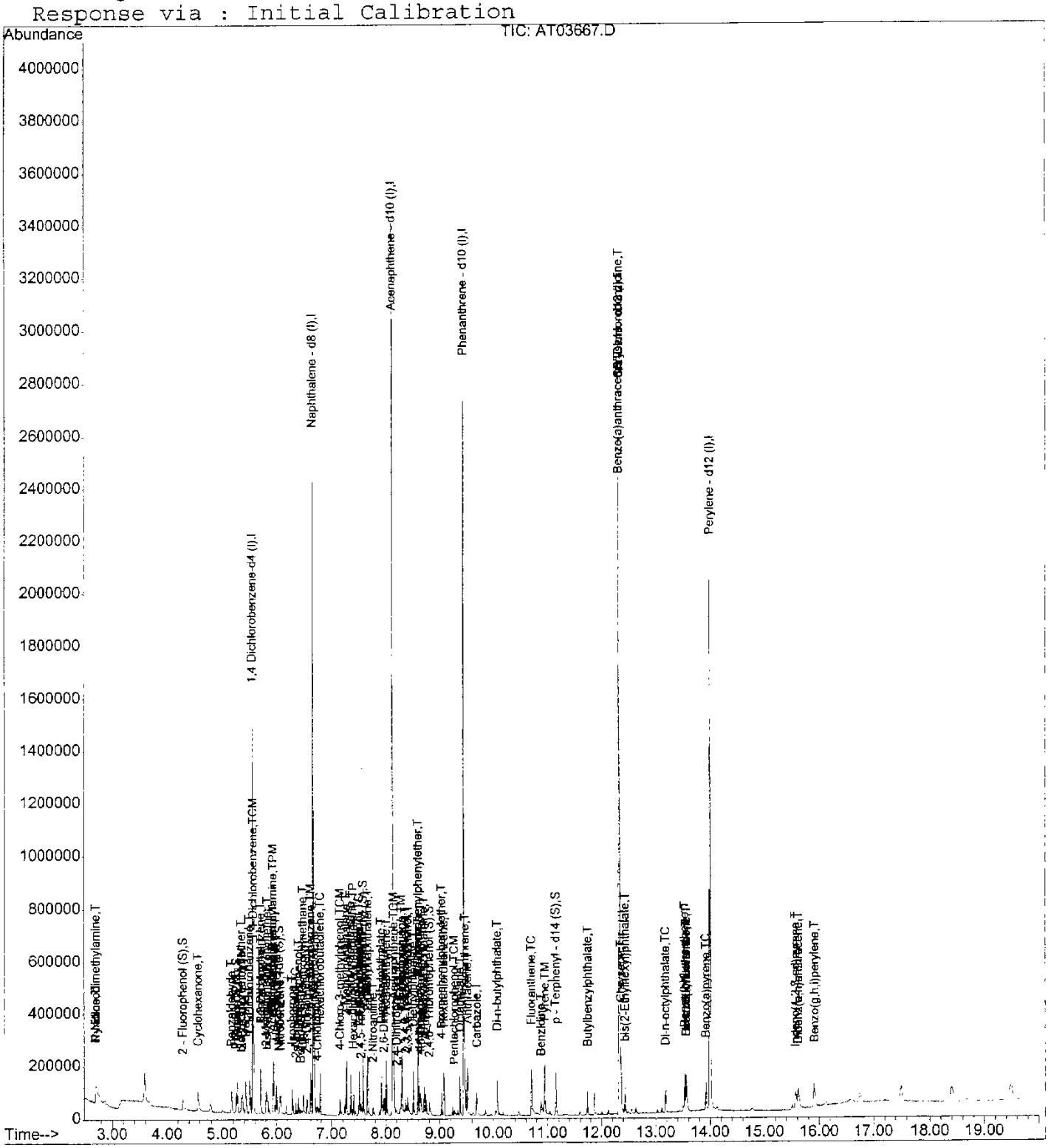
Quantitation Report (Not Reviewed)

Data File : H:\DATA\022505_A\AT03667.D
Acq On : 25 Feb 2005 10:36 am
Sample : 1281-1-3 100 8270 ical
Misc :
MS Integration Params: Rteint.p
Quant Time: Feb 25 12:16 2005

Vial: 8
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00

Quant Results File: 8270_022505.

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Fri Feb 25 12:12:29 2005
Response via : Initial Calibration



00823

Quantitation Report (Not Reviewed)

Data File : H:\DATA\022505_A\AT03668.D
Acq On : 25 Feb 2005 11:04 am
Sample : 1281-1-2 50 8270 ical
Misc :
MS Integration Params: Rteint.p
Quant Time: Feb 25 12:15:47 2005

Vial: 9
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: 8270_022505.RES

Quant Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Fri Feb 25 12:12:29 2005
Response via : Initial Calibration
DataAcq Meth : 8270

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4 (I)	5.55	152	282890	1000.000 ug/L	0.00
23) Naphthalene - d8 (I)	6.67	136	1125842	1000.000 ug/L	0.00
39) Acenaphthene - d10 (I)	8.13	162	602860	1000.000 ug/L	0.00
63) Phenanthrene - d10 (I)	9.45	188	1006539	1000.000 ug/L	0.00
80) Chrysene - d12 (I)	12.33	240	1021110	1000.000 ul/l	0.00
86) Perylene - d12 (I)	14.00	264	946595	1000.000 ug/L	0.00
System Monitoring Compounds					
4) 2 - Fluorophenol (S)	4.29	112	10229	43.19 ug/L	-0.04
8) Phenol - d5 (S)	5.25	99	10735	40.27 ug/L	0.00
24) Nitrobenzene - d5 (S)	6.05	82	9900	42.89 ug/L	-0.01
44) 2 - Fluorobiphenyl (S)	7.58	172	31052	47.74 ug/L	0.00
66) 2,4,6 - Tribromophenol (S)	8.80	330	2712	56.08 ug/L	0.00
79) p - Terphenyl - d14 (S)	11.15	244	28030	46.00 ug/L	0.00
Target Compounds					Qvalue
2) N-Nitrosodimethylamine	2.74	74	14610	324.877 ug/L	85
3) Pyridine	2.79	79	32974	294.443 ug/L	72
5) Cyclohexanone	4.56	55	8695	46.854 ul/L	90
6) Benzaldehyde	5.17	105	9587	44.760 ul/L	95
7) Aniline	5.27	93	7092	47.926 ug/L	83
9) Phenol	5.26	94	10616	37.347 ug/L	82
10) bis(2-Chloroethyl)ether	5.35	93	12573	44.893 ug/L	99
11) 2-Chlorophenol	5.36	128	10479	40.027 ug/L	96
12) Decane	5.42	57	13344	46.369 ul/L	98
13) 1,3-Dichlorobenzene	5.49	146	14483	43.914 ug/L	93
14) 1,4-Dichlorobenzene	5.57	146	16089	46.961 ug/L	88
15) Benzyl alcohol	5.71	79	5927	56.257 ug/L	98
16) 1,2-Dichlorobenzene	5.70	146	15761	45.877 ug/L	93
17) 2-Methylphenol	5.81	108	8251	38.823 ug/L	97
18) bis(2-chloroisopropyl)ethe	5.83	45	15068	49.674 ug/L	95
19) 3-&4-Methylphenol	5.95	108	16412	94.806 ug/L	96
20) n-Nitroso-di-n-propylamine	5.94	70	4484	52.199 ug/L	90
21) Acetophenone	5.93	105	13916	43.704 ul/L	96
22) Hexachloroethane	5.99	201	6234	47.438 ug/L	91
25) Nitrobenzene	6.07	77	8953	40.049 ug/L	90
26) Isophorone	6.28	82	16905	36.408 ug/L	98
27) 2-Nitrophenol	6.35	139	4052	31.522 ug/L	98
28) 2,4-Dimethylphenol	6.40	107	6379	57.660 ug/L	91
29) bis(2-Chloroethoxy)methane	6.48	93	11377	39.425 ug/L	99
31) 2,4-Dichlorophenol	6.55	162	5447	28.862 ug/L	84
32) 1,2,4-Trichlorobenzene	6.62	180	13597	47.215 ug/L	97

(#) = qualifier out of range (m) = manual integration

008824

Quantitation Report (Not Reviewed)

Data File : H:\DATA\022505_A\AT03668.D
Acq On : 25 Feb 2005 11:04 am
Sample : 1281-1-2 50 8270 ical
Misc :
MS Integration Params: Rteint.p
Quant Time: Feb 25 12:15:47 2005

Vial: 9
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: 8270_022505.RES

Quant Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Fri Feb 25 12:12:29 2005
Response via : Initial Calibration
DataAcq Meth : 8270

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
33)	Naphthalene	6.68	128	43299	49.831 ug/L	94
34)	4-Chloroaniline	6.74	127	4557	26.872 ug/L	86
35)	Hexachlorobutadiene	6.79	225	8309	47.916 ug/L	94
36)	4-Chloro-3-methylphenol	7.15	107	4563	58.773 ug/L	95
37)	2-Methylnaphthalene	7.27	141	20959	45.525 ug/L	91
38)	1-Methylnaphthalene	7.35	141	22880	47.699 ul/l	95
40)	Hexachlorocyclopentadiene	7.39	237	5576	60.713 ug/L	96
41)	2,3-Dichloroaniline	7.50	161	11000	42.257 ul/L	94
42)	2,4,6-Trichlorophenol	7.51	196	3844	27.169 ug/L	91
43)	2,4,5-Trichlorophenol	7.54	196	4127	55.556 ug/L	93
45)	2-Chloronaphthalene	7.67	162	24622	46.772 ug/L	98
46)	Biphenyl	7.66	154	32114	47.519 ul/L	96
47)	2-Nitroaniline	7.76	138	3134	41.416 ug/L	79
48)	Dimethylphthalate	7.92	163	22379	39.530 ug/L	100
49)	Acenaphthylene	8.01	152	36341	43.709 ug/L	97
50)	2,6-Dinitrotoluene	7.96	165	4514	56.645 ug/L	85
51)	3-Nitroaniline	8.11	138	986	Below Cal #	68
52)	Acenaphthene	8.15	153	26082	47.674 ug/L	88
53)	2,4-Dinitrophenol	8.21	184	186	346.196 ug/L	51
55)	Dibenzofuran	8.30	168	34758	47.423 ug/L	97
56)	2,4-Dinitrotoluene	8.30	165	4480	55.545 ug/L	68
57)	2,3,4,6-Tetrachlorophenol	8.37	232	2626	67.892 ug/L	83
58)	2,3,5,6-Tetrachlorophenol	8.41	232	1911	13.554 ul/l	85
59)	Diethylphthalate	8.51	149	33508	55.963 ug/L	96
60)	Fluorene	8.59	166	24978	44.283 ug/L	96
61)	4-Chlorophenylphenylether	8.60	204	12499	42.102 ug/L	99
65)	n-Nitrosodiphenylamine	8.70	169	15647	50.413 ug/L	95
67)	Azobenzene	8.74	77	16248	39.721 ug/L	95
68)	4-Bromophenylphenylether	9.04	248	7678	45.201 ug/L	93
69)	Hexachlorobenzene	9.08	284	11098	50.374 ug/L	99
70)	Pentachlorophenol	9.28	266	1948	21.453 ug/L	91
71)	Phenanthrene	9.47	178	40969	49.924 ug/L	98
72)	Anthracene	9.52	178	33515	45.030 ug/L	96
73)	Octadecane	9.38	57	10070	42.285 ul/L	96
74)	Carbazole	9.69	167	23072	45.791 ug/L	96
75)	Di-n-butylphthalate	10.07	149	35811	40.597 ug/L	92
76)	Fluoranthene	10.70	202	35338	42.192 ug/L	95
77)	Pyrene	10.95	202	37788	43.498 ug/L	91
78)	Benzidine	10.88	184	32023	268.845 ul/l	100
81)	Butylbenzylphthalate	11.74	149	9414	95.326 ug/L	90
82)	Benzo(a)anthracene	12.32	228	32057	43.217 ug/L	92

(#) = qualifier out of range (m) = manual integration

00825

Quantitation Report (Not Reviewed)

Data File : H:\DATA\022505_A\AT03668.D
Acq On : 25 Feb 2005 11:04 am
Sample : 1281-1-2 50 8270 ical
Misc :
MS Integration Params: Rteint.p
Quant Time: Feb 25 12:15:47 2005

Vial: 9
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: 8270_022505.RES

Quant Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Fri Feb 25 12:12:29 2005
Response via : Initial Calibration
DataAcq Meth : 8270

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
83) 3,3'-Dichlorobenzidine	12.33	252	5785	54.494 ug/L	84
84) Chrysene	12.36	228	37940	49.071 ug/L	98
85) bis(2-Ethylhexyl)phthalate	12.44	149	14611	30.498 ug/L	95
87) Di-n-octylphthalate	13.18	149	18941	25.822 ug/L	99
88) Benzo(b)fluoranthene	13.53	252	27738	46.033 ul/l	99
89) benzo(k)fluoranthene	13.56	252	31103	42.810 ul/l	98
90) Benzofluoranthenes	13.55	252	61342	83.350 ug/L	100
91) Benzo(a)pyrene	13.92	252	23863	37.818 ug/L	92
92) Indeno(1,2,3-cd)pyrene	15.57	276	19855	47.618 ug/L	80
93) Dibenz(a,h)anthracene	15.64	278	24774	45.939 ug/L	82
94) Benzo(g,h,i)perylene	15.92	276	30059	42.653 ug/L	93

(#) = qualifier out of range (m) = manual integration

00826

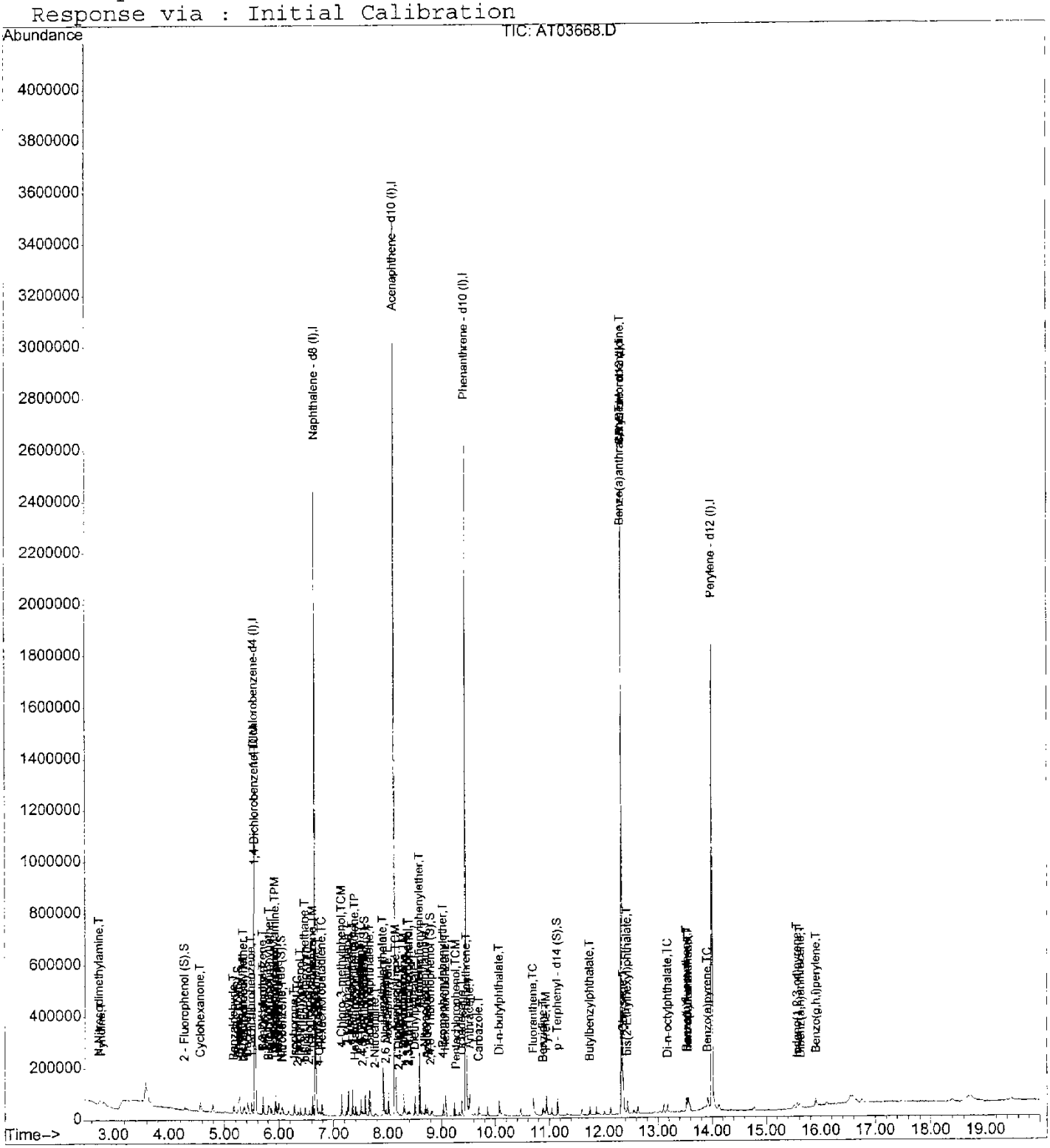
Quantitation Report (Not Reviewed)

Data File : H:\DATA\022505_A\AT03668.D
Acq On : 25 Feb 2005 11:04 am
Sample : 1281-1-2 50 8270 ical
Misc :
MS Integration Params: Rteint.p
Quant Time: Feb 25 12:16 2005

Vial: 9
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00

Quant Results File: 8270_022505.

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Fri Feb 25 12:12:29 2005
Response via : Initial Calibration



008827

Quantitation Report (Not Reviewed)

Data File : H:\DATA\022505_A\AT03669.D
Acq On : 25 Feb 2005 11:32 am
Sample : 1281-1-1 20 8270 ical
Misc :
MS Integration Params: Rteint.p
Quant Time: Feb 25 12:15:56 2005

Vial: 10
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: 8270_022505.RES

Quant Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Fri Feb 25 12:12:29 2005
Response via : Initial Calibration
DataAcq Meth : 8270

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4 (I)	5.55	152	263991	1000.000	ug/L	0.00
23) Naphthalene - d8 (I)	6.67	136	1054550	1000.000	ug/L	0.00
39) Acenaphthene - d10 (I)	8.13	162	554973	1000.000	ug/L	0.00
63) Phenanthrene - d10 (I)	9.45	188	931072	1000.000	ug/L	0.00
80) Chrysene - d12 (I)	12.33	240	940361	1000.000	ul/l	0.00
86) Perylene - d12 (I)	14.00	264	859193	1000.000	ug/L	0.00
System Monitoring Compounds						
4) 2 - Fluorophenol (S)	4.28	112	3363	15.21	ug/L	-0.04
8) Phenol - d5 (S)	5.26	99	3742	15.04	ug/L	0.00
24) Nitrobenzene - d5 (S)	6.06	82	3767	17.42	ug/L	0.00
44) 2 - Fluorobiphenyl (S)	7.58	172	10916	18.23	ug/L	0.00
66) 2,4,6 - Tribromophenol (S)	8.81	330	480	34.58	ug/L	0.00
79) p - Terphenyl - d14 (S)	11.15	244	9462	16.78	ug/L	0.00
Target Compounds						Qvalue
5) Cyclohexanone	4.57	55	3043	17.571	ul/L	91
6) Benzaldehyde	5.17	105	3541	17.716	ul/L	98
7) Aniline	5.28	93	2457	32.406	ug/L	73
9) Phenol	5.27	94	3867	14.578	ug/L	94
10) bis(2-Chloroethyl)ether	5.35	93	4381	16.763	ug/L	76
11) 2-Chlorophenol	5.38	128	3454	14.138	ug/L	94
12) Decane	5.42	57	4930	18.358	ul/L	85
13) 1,3-Dichlorobenzene	5.50	146	3973	12.909	ug/L	91
14) 1,4-Dichlorobenzene	5.57	146	6669	20.859	ug/L	92
16) 1,2-Dichlorobenzene	5.70	146	6612	20.624	ug/L	90
17) 2-Methylphenol	5.81	108	2806	14.148	ug/L	76
18) bis(2-chloroisopropyl)ethe	5.83	45	5384	19.020	ug/L	98
19) 3-&4-Methylphenol	5.95	108	4926	48.216	ug/L	81
20) n-Nitroso-di-n-propylamine	5.95	70	1164	32.392	ug/L	89
21) Acetophenone	5.94	105	4163	14.010	ul/L	87
25) Nitrobenzene	6.07	77	3396	16.218	ug/L	82
26) Isophorone	6.29	82	4993	11.480	ug/L	87
27) 2-Nitrophenol	6.35	139	789	6.553	ug/L	67
29) bis(2-Chloroethoxy)methane	6.48	93	3336	12.342	ug/L	88
31) 2,4-Dichlorophenol	6.56	162	1503	8.502	ug/L	90
32) 1,2,4-Trichlorobenzene	6.62	180	5114	18.958	ug/L	92
33) Naphthalene	6.68	128	15285	18.780	ug/L	78
35) Hexachlorobutadiene	6.80	225	2857	17.589	ug/L	94
37) 2-Methylnaphthalene	7.27	141	7969	18.480	ug/L	99
38) 1-Methylnaphthalene	7.35	141	8003	17.812	ul/l	87
40) Hexachlorocyclopentadiene	7.40	237	1072	35.338	ug/L	86

(#) = qualifier out of range (m) = manual integration

00828

Data File : H:\DATA\022505_A\AT03669.D
Acq On : 25 Feb 2005 11:32 am
Sample : 1281-1-1 20 8270 ical
Misc :
MS Integration Params: Rteint.p
Quant Time: Feb 25 12:15:56 2005

Vial: 10
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: 8270_022505.RES

Quant Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Fri Feb 25 12:12:29 2005
Response via : Initial Calibration
DataAcq Meth : 8270

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
41)	2,3-Dichloroaniline	7.50	161	4047	16.888 ul/L	98
42)	2,4,6-Trichlorophenol	7.51	196	949	7.286 ug/L	85
43)	2,4,5-Trichlorophenol	7.54	196	562	36.283 ug/L	63
45)	2-Chloronaphthalene	7.67	162	9324	19.240 ug/L	93
46)	Biphenyl	7.66	154	11561	18.583 ul/L	98
48)	Dimethylphthalate	7.92	163	8124	15.588 ug/L	81
49)	Acenaphthylene	8.01	152	13377	17.477 ug/L	99
50)	2,6-Dinitrotoluene	7.97	165	1350	35.864 ug/L	78
51)	3-Nitroaniline	8.09	138	54	Below Cal #	8
52)	Acenaphthene	8.15	153	10177	20.207 ug/L	90
53)	2,4-Dinitrophenol	8.26	184	50	344.107 ug/L	51
55)	Dibenzofuran	8.30	168	11317	16.773 ug/L	93
57)	2,3,4,6-Tetrachlorophenol	8.37	232	628	55.389 ug/L	74
59)	Diethylphthalate	8.51	149	17670	32.058 ug/L	94
60)	Fluorene	8.60	166	9044	17.418 ug/L	80
61)	4-Chlorophenylphenylether	8.60	204	4622	16.912 ug/L	97
65)	n-Nitrosodiphenylamine	8.70	169	3965	20.322 ug/L	78
67)	Azobenzene	8.74	77	5012	13.246 ug/L	97
68)	4-Bromophenylphenylether	9.04	248	2542	16.178 ug/L	93
69)	Hexachlorobenzene	9.08	284	3923	19.250 ug/L	92
71)	Phenanthrene	9.47	178	14474	19.067 ug/L	97
72)	Anthracene	9.52	178	10972	15.937 ug/L	94
73)	Octadecane	9.38	57	3416	15.507 ul/L	92
74)	Carbazole	9.69	167	8843	18.973 ug/L	98
75)	Di-n-butylphthalate	10.07	149	18835	23.083 ug/L	100
76)	Fluoranthene	10.70	202	12821	16.548 ug/L	99
77)	Pyrene	10.95	202	13717	17.070 ug/L	91
78)	Benzidine	10.88	184	11224	101.867 ul/l	99
81)	Butylbenzylphthalate	11.74	149	3852	81.309 ug/L	91
82)	Benzo(a)anthracene	12.32	228	12649	18.517 ug/L	84
84)	Chrysene	12.36	228	14503	20.369 ug/L	88
85)	bis(2-Ethylhexyl)phthalate	12.44	149	7426	16.831 ug/L	96
87)	Di-n-octylphthalate	13.18	149	7253	10.894 ug/L	99
88)	Benzo(b)fluoranthene	13.53	252	9868	25.724 ul/l	95
89)	benzo(k)fluoranthene	13.56	252	9617	14.583 ul/l	96
90)	Benzofluoranthenes	13.55	252	20710	31.003 ug/L	89
91)	Benzo(a)pyrene	13.93	252	8329	14.543 ug/L	92
92)	Indeno(1,2,3-cd)pyrene	15.57	276	5065	27.277 ug/L	89
93)	Dibenz(a,h)anthracene	15.64	278	8822	25.704 ug/L	83
94)	Benzo(g,h,i)perylene	15.92	276	9759	15.256 ug/L	85

(#) = qualifier out of range (m) = manual integration

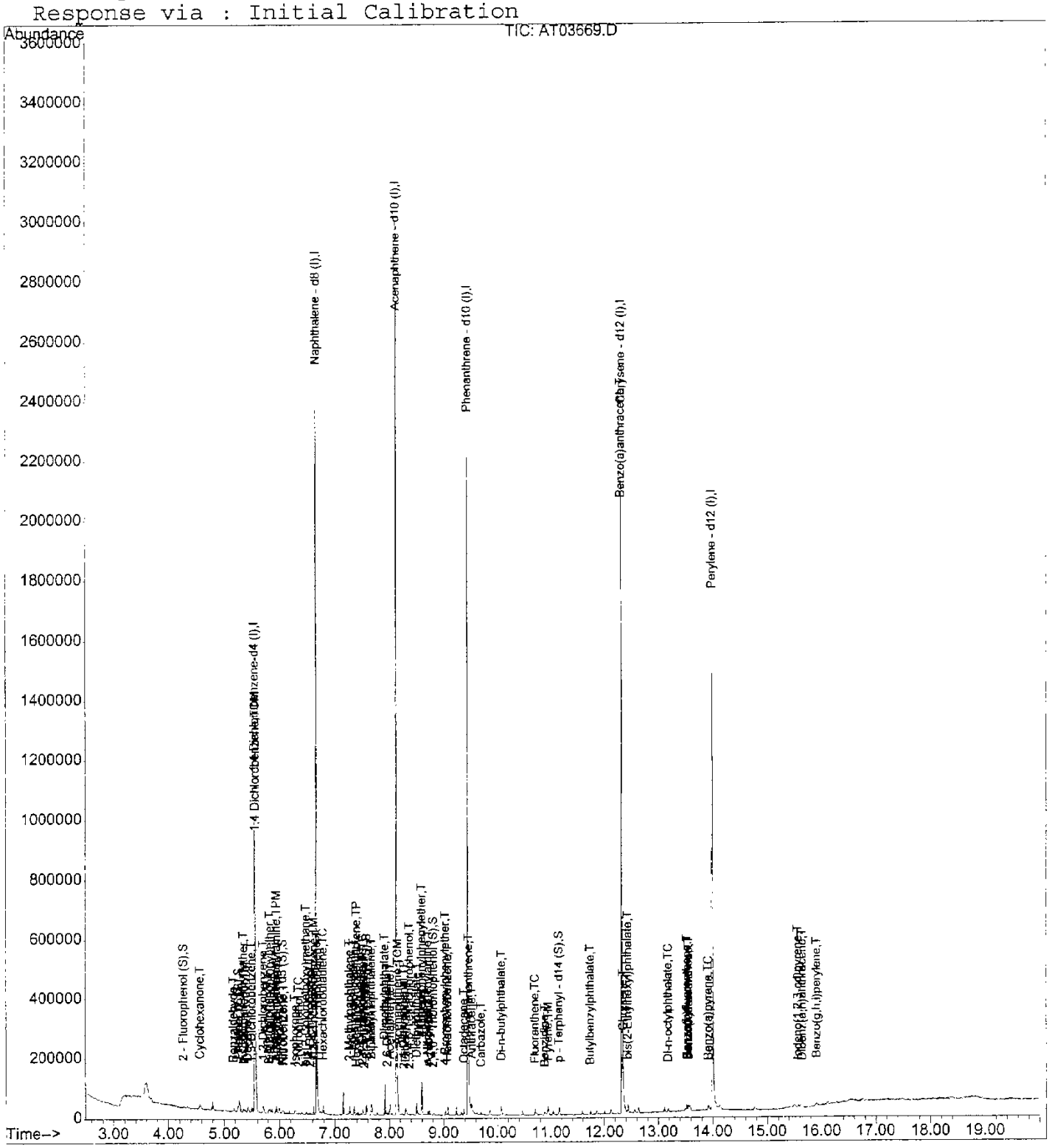
008829

Quantitation Report (Not Reviewed)

Data File : H:\DATA\022505_A\AT03669.D
Acq On : 25 Feb 2005 11:32 am
Sample : 1281-1-1 20 8270 ical
Misc :
MS Integration Params: Rteint.p
Quant Time: Feb 25 12:16 2005

Vial: 10
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: 8270_022505.

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Fri Feb 25 12:12:29 2005
Response via : Initial Calibration



008330

Evaluate Continuing Calibration Report

Data File : H:\DATA\022505_A\AT03670.D
Acq On : 25 Feb 2005 11:59 am
Sample : 1281-1-10 1000 8270 ocs
Misc :
MS Integration Params: Rteint.p

Vial: 11
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Fri Feb 25 12:17:02 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4 (I)	1.000	1.000	0.0	100	0.00
2	T	N-Nitrosodimethylamine	0.440	0.446	-1.4	83	0.00
3	T	Pyridine	0.829	0.931	-12.3	89	0.00
4	S	2 - Fluorophenol (S)	0.837	0.808	3.5	87	-0.03
5	T	Cyclohexanone	0.656	0.386	41.2#	56	-0.02
6	T	Benzaldehyde	0.757	0.738	2.5	90	0.00
7	T	Aniline	0.941	1.137	-20.8#	106	0.00
8	S	Phenol - d5 (S)	0.942	0.929	1.4	86	0.00
9	TCM	Phenol	1.005	1.104	-9.9	95	0.00
10	T	bis(2-Chloroethyl)ether	0.990	0.986	0.4	95	0.00
11	TM	2-Chlorophenol	0.925	1.008	-9.0	97	0.00
12	T	Decane	1.017	0.931	8.5	88	0.00
13	T	1,3-Dichlorobenzene	1.166	1.207	-3.5	98	0.00
14	TCM	1,4-Dichlorobenzene	1.211	1.269	-4.8	100	0.00
15	T	Benzyl alcohol	0.550	0.585	-6.4	91	0.00
16	T	1,2-Dichlorobenzene	1.214	1.255	-3.4	99	0.00
17	T	2-Methylphenol	0.751	0.830	-10.5	96	0.00
18	T	bis(2-chloroisopropyl)ether	1.072	1.040	3.0	94	0.00
19	T	3-&4-Methylphenol	0.722	0.416	42.4#	47#	0.00
20	TPM	n-Nitroso-di-n-propylamine	0.498	0.543	-9.0	93	0.00
21	T	Acetophenone	1.126	1.187	-5.4	90	0.00
22	T	Hexachloroethane	0.465	0.466	-0.2	97	0.00
23	I	Naphthalene - d8 (I)	1.000	1.000	0.0	99	0.00
24	S	Nitrobenzene - d5 (S)	0.205	0.198	3.4	86	-0.01
25	T	Nitrobenzene	0.199	0.210	-5.5	93	-0.01
26	T	Isophorone	0.412	0.391	5.1	85	0.00
27	TC	2-Nitrophenol	0.114	0.124	-8.8	91	0.00
28	T	2,4-Dimethylphenol	0.159	0.208	-30.8#	110	0.00
29	T	bis(2-Chloroethoxy)methane	0.256	0.271	-5.9	98	0.00
30	T	Benzoic Acid	0.080	0.064	20.0	49#	-0.02
31	TC	2,4-Dichlorophenol	0.168	0.196	-16.7	96	0.00
32	TM	1,2,4-Trichlorobenzene	0.256	0.268	-4.7	100	0.00
33	T	Naphthalene	0.772	0.799	-3.5	98	0.00
34	T	4-Chloroaniline	0.151	0.185	-22.5#	94	0.00
35	TC	Hexachlorobutadiene	0.154	0.159	-3.2	98	0.00
36	TCM	4-Chloro-3-methylphenol	0.147	0.169	-15.0	90	0.00
37	T	2-Methylnaphthalene	0.409	0.434	-6.1	96	0.00
38	T	1-Methylnaphthalene	0.426	0.451	-5.9	97	0.00
39	I	Acenaphthene - d10 (I)	1.000	1.000	0.0	98	0.00

(#) = Out of Range

008831

Evaluate Continuing Calibration Report

Data File : H:\DATA\022505_A\AT03670.D
Acq On : 25 Feb 2005 11:59 am
Sample : 1281-1-10 1000 8270 ocs
Misc :
MS Integration Params: Rteint.p

Vial: 11
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Fri Feb 25 12:17:02 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
40	TP	Hexachlorocyclopentadiene	0.242	0.230	5.0	81	-0.01
41	T	2,3-Dichloroaniline	0.432	0.439	-1.6	87	-0.01
42	TC	2,4,6-Trichlorophenol	0.235	0.269	-14.5	92	-0.01
43	T	2,4,5-Trichlorophenol	0.247	0.287	-16.2	93	0.00
44	S	2 - Fluorobiphenyl (S)	1.079	1.044	3.2	91	0.00
45	T	2-Chloronaphthalene	0.873	0.912	-4.5	96	0.00
46	T	Biphenyl	1.121	1.151	-2.7	94	0.00
47	T	2-Nitroaniline	0.198	0.242	-22.2#	89	0.00
48	T	Dimethylphthalate	0.939	0.954	-1.6	91	0.00
49	T	Acenaphthylene	1.379	1.387	-0.6	89	0.00
50	T	2,6-Dinitrotoluene	0.208	0.233	-12.0	92	0.00
51	T	3-Nitroaniline	0.054	0.099	-83.3#	106	0.00
52	TCM	Acenaphthene	0.907	0.922	-1.7	95	0.00
53	TP	2,4-Dinitrophenol	0.077	0.112	-45.5#	88	0.00
54	TPM	4-Nitrophenol	0.116	0.108	6.9	72	0.00
55	T	Dibenzofuran	1.216	1.240	-2.0	93	0.00
56	TM	2,4-Dinitrotoluene	0.253	0.292	-15.4	90	0.00
57	T	2,3,4,6-Tetrachlorophenol	0.216	0.243	-12.5	92	0.00
58	T	2,3,5,6-Tetrachlorophenol	0.234	0.247	-5.6	90	0.00
59	T	Diethylphthalate	0.993	0.948	4.5	89	0.00
60	T	Fluorene	0.936	0.969	-3.5	90	0.00
61	T	4-Chlorophenylphenylether	0.492	0.506	-2.8	94	0.00
62	T	4-Nitroaniline	0.134	0.091	32.1#	70	0.00
63	I	Phenanthrene - d10 (I)	1.000	1.000	0.0	92	0.00
64	T	4,6-Dinitro-2-methylphenol	0.086	0.099	-15.1	85	0.00
65	T	n-Nitrosodiphenylamine	0.338	0.443	-31.1#	102	0.00
66	S	2,4,6 - Tribromophenol (S)	0.085	0.094	-10.6	85	0.00
67	T	Azobenzene	0.406	0.409	-0.7	86	0.00
68	T	4-Bromophenylphenylether	0.169	0.174	-3.0	92	0.00
69	T	Hexachlorobenzene	0.219	0.225	-2.7	93	0.00
70	TCM	Pentachlorophenol	0.090	0.091	-1.1	79	0.00
71	T	Phenanthrene	0.815	0.810	0.6	88	0.00
72	T	Anthracene	0.739	0.795	-7.6	88	0.00
73	T	Octadecane	0.237	0.259	-9.3	88	0.00
74	T	Carbazole	0.501	0.493	1.6	85	0.00
75	T	Di-n-butylphthalate	0.876	0.877	-0.1	85	0.00
76	TC	Fluoranthene	0.832	0.869	-4.4	85	0.00
77	TM	Pyrene	0.863	0.935	-8.3	90	0.00
78	T	Benzidine	0.118	0.000	100.0#	32#	0.00
79	S	p - Terphenyl - d14 (S)	0.605	0.617	-2.0	85	0.00

(#) = Out of Range

008832

Evaluate Continuing Calibration Report

Data File : H:\DATA\022505_A\AT03670.D
Acq On : 25 Feb 2005 11:59 am
Sample : 1281-1-10 1000 8270 ocs
Misc :
MS Integration Params: Rteint.p

Vial: 11
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Fri Feb 25 12:17:02 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
80	I	Chrysene - d12 (I)	1.000	1.000	0.0	95	0.00
81	T	Butylbenzylphthalate	0.320	0.318	0.6	86	0.00
82	T	Benzo(a)anthracene	0.726	0.749	-3.2	88	0.00
83	T	3,3'-Dichlorobenzidine	0.177	0.404	-128.2#	159	0.00
84	T	Chrysene	0.757	0.744	1.7	91	0.00
85	T	bis(2-Ethylhexyl)phthalate	0.469	0.473	-0.9	88	0.00
86	I	Perylene - d12 (I)	1.000	1.000	0.0	96	0.00
87	TC	Di-n-octylphthalate	0.775	0.753	2.8	83	0.03
88	T	Benzo(b)fluoranthene	0.754	0.829	-9.9	93	0.00
89	T	benzo(k)fluoranthene	0.768	0.868	-13.0	92	0.00
90	T	Benzofluoranthenes	0.777	0.859	-10.6	93	0.00
91	TC	Benzo(a)pyrene	0.667	0.758	-13.6	92	0.00
92	T	Indeno(1,2,3-cd)pyrene	0.582	0.685	-17.7	88	0.00
93	T	Dibenz(a,h)anthracene	0.676	0.792	-17.2	98	0.00
94	T	Benzo(g,h,i)perylene	0.745	0.829	-11.3	94	0.00

008833

Evaluate Continuing Calibration Report

Data File : H:\DATA\022505_A\AT03670.D
Acq On : 25 Feb 2005 11:59 am
Sample : 1281-1-10 1000 8270 ocs
Misc :
MS Integration Params: Rteint.p

Vial: 11
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Fri Feb 25 12:17:02 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4 (I)	1000.000	1000.000	0.0	100	0.00
2	T	N-Nitrosodimethylamine	5000.000	4205.055	15.9	83	0.00
3	T	Pyridine	5000.000	4765.328	4.7	89	0.00
4	S	2 - Fluorophenol (S)	1000.000	964.584	3.5	87	-0.03
5	T	Cyclohexanone	1000.000	588.832	41.1#	56	-0.02
6	T	Benzaldehyde	1000.000	974.259	2.6	90	0.00
7	T	Aniline	1000.000	1142.756	-14.3	106	0.00
8	S	Phenol - d5 (S)	1000.000	985.879	1.4	86	0.00
9	TCM	Phenol	1000.000	1098.735	-9.9	95	0.00
10	T	bis(2-Chloroethyl)ether	1000.000	995.624	0.4	95	0.00
11	TM	2-Chlorophenol	1000.000	1089.686	-9.0	97	0.00
12	T	Decane	1000.000	915.329	8.5	88	0.00
13	T	1,3-Dichlorobenzene	1000.000	1035.371	-3.5	98	0.00
14	TCM	1,4-Dichlorobenzene	1000.000	1047.682	-4.8	100	0.00
15	T	Benzyl alcohol	1000.000	951.588	4.8	91	0.00
16	T	1,2-Dichlorobenzene	1000.000	1033.766	-3.4	99	0.00
17	T	2-Methylphenol	1000.000	1105.128	-10.5	96	0.00
18	T	bis(2-chloroisopropyl)ether	1000.000	970.180	3.0	94	0.00
19	T	3-&4-Methylphenol	2000.000	1010.450	49.5#	47	0.00
20	TPM	n-Nitroso-di-n-propylamine	1000.000	964.249	3.6	93	0.00
21	T	Acetophenone	1000.000	948.146	5.2	90	0.00
22	T	Hexachloroethane	1000.000	1002.080	-0.2	97	0.00
23	I	Naphthalene - d8 (I)	1000.000	1000.000	0.0	99	0.00
24	S	Nitrobenzene - d5 (S)	1000.000	964.975	3.5	86	-0.01
25	T	Nitrobenzene	1000.000	1058.170	-5.8	93	-0.01
26	T	Isophorone	1000.000	947.931	5.2	85	0.00
27	TC	2-Nitrophenol	1000.000	1087.252	-8.7	91	0.00
28	T	2,4-Dimethylphenol	1000.000	1135.825	-13.6	110	0.00
29	T	bis(2-Chloroethoxy)methane	1000.000	1058.180	-5.8	98	0.00
30	T	Benzoic Acid	5000.000	3046.979	39.1#	49	-0.02
31	TC	2,4-Dichlorophenol	1000.000	1172.187	-17.2	96	0.00
32	TM	1,2,4-Trichlorobenzene	1000.000	1047.417	-4.7	100	0.00
33	T	Naphthalene	1000.000	1035.495	-3.5	98	0.00
34	T	4-Chloroaniline	1000.000	1229.140	-22.9#	94	0.00
35	TC	Hexachlorobutadiene	1000.000	1030.276	-3.0	98	0.00
36	TCM	4-Chloro-3-methylphenol	1000.000	952.584	4.7	90	0.00
37	T	2-Methylnaphthalene	1000.000	1060.412	-6.0	96	0.00
38	T	1-Methylnaphthalene	1000.000	1058.665	-5.9	97	0.00
39	I	Acenaphthene - d10 (I)	1000.000	1000.000	0.0	98	0.00

(#) = Out of Range

008834

Evaluate Continuing Calibration Report

Data File : H:\DATA\022505_A\AT03670.D Vial: 11
Acq On : 25 Feb 2005 11:59 am Operator: RBF
Sample : 1281-1-10 1000 8270 ocs Inst : hp6890gcm
Misc : Multiplr: 1.00
MS Integration Params: Rteint.p

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Fri Feb 25 12:17:02 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
40	TP	Hexachlorocyclopentadiene	1000.000	827.425	17.3	81	-0.01
41	T	2,3-Dichloroaniline	1000.000	1017.828	-1.8	87	-0.01
42	TC	2,4,6-Trichlorophenol	1000.000	1145.283	-14.5	92	-0.01
43	T	2,4,5-Trichlorophenol	1000.000	980.998	1.9	93	0.00
44	S	2 - Fluorobiphenyl (S)	1000.000	967.574	3.2	91	0.00
45	T	2-Chloronaphthalene	1000.000	1044.323	-4.4	96	0.00
46	T	Biphenyl	1000.000	1026.524	-2.7	94	0.00
47	T	2-Nitroaniline	1000.000	953.931	4.6	89	0.00
48	T	Dimethylphthalate	1000.000	1016.317	-1.6	91	0.00
49	T	Acenaphthylene	1000.000	1006.032	-0.6	89	0.00
50	T	2,6-Dinitrotoluene	1000.000	983.385	1.7	92	0.00
51	T	3-Nitroaniline	1000.000	2932.846	-193.3#	106	0.00
52	TCM	Acenaphthene	1000.000	1015.726	-1.6	95	0.00
53	TP	2,4-Dinitrophenol	5000.000	5054.800	-1.1	88	0.00
54	TPM	4-Nitrophenol	5000.000	4068.121	18.6	72	0.00
55	T	Dibenzofuran	1000.000	1020.110	-2.0	93	0.00
56	TM	2,4-Dinitrotoluene	1000.000	985.937	1.4	90	0.00
57	T	2,3,4,6-Tetrachlorophenol	1000.000	993.540	0.6	92	0.00
58	T	2,3,5,6-Tetrachlorophenol	1000.000	1054.597	-5.5	90	0.00
59	T	Diethylphthalate	1000.000	955.008	4.5	89	0.00
60	T	Fluorene	1000.000	1035.508	-3.6	90	0.00
61	T	4-Chlorophenylphenylether	1000.000	1028.384	-2.8	94	0.00
62	T	4-Nitroaniline	1000.000	682.128	31.8#	70	0.00
63	I	Phenanthrene - d10 (I)	1000.000	1000.000	0.0	92	0.00
64	T	4,6-Dinitro-2-methylphenol	5000.000	4757.916	4.8	85	0.00
65	T	n-Nitrosodiphenylamine	1000.000	1190.595	-19.1	102	0.00
66	S	2,4,6 - Tribromophenol (S)	1000.000	954.062	4.6	85	0.00
67	T	Azobenzene	1000.000	1005.932	-0.6	86	0.00
68	T	4-Bromophenylphenylether	1000.000	1030.805	-3.1	92	0.00
69	T	Hexachlorobenzene	1000.000	1027.975	-2.8	93	0.00
70	TCM	Pentachlorophenol	1000.000	1011.167	-1.1	79	0.00
71	T	Phenanthrene	1000.000	994.108	0.6	88	0.00
72	T	Anthracene	1000.000	1075.744	-7.6	88	0.00
73	T	Octadecane	1000.000	1092.865	-9.3	88	0.00
74	T	Carbazole	1000.000	984.631	1.5	85	0.00
75	T	Di-n-butylphthalate	1000.000	1000.797	-0.1	85	0.00
76	TC	Fluoranthene	1000.000	1044.254	-4.4	85	0.00
77	TM	Pyrene	1000.000	1083.227	-8.3	90	0.00
78	T	Benzidine	-1.000	899.405	0.0	32	0.00
79	S	p - Terphenyl - d14 (S)	1000.000	1019.118	-1.9	85	0.00

(#) = Out of Range

000835

Evaluate Continuing Calibration Report

Data File : H:\DATA\022505_A\AT03670.D Vial: 11
Acq On : 25 Feb 2005 11:59 am Operator: RBF
Sample : 1281-1-10 1000 8270 ocs Inst : hp6890gcm
Misc : Multiplr: 1.00
MS Integration Params: Rteint.p

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Fri Feb 25 12:17:02 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
80	I	Chrysene - d12 (I)	1000.000	1000.000	0.0	95	0.00
81	T	Butylbenzylphthalate	1000.000	939.499	6.1	86	0.00
82	T	Benzo(a)anthracene	1000.000	1030.974	-3.1	88	0.00
83	T	3,3'-Dichlorobenzidine	1000.000	1962.502	-96.3#	159	0.00
84	T	Chrysene	1000.000	983.223	1.7	91	0.00
85	T	bis(2-Ethylhexyl)phthalate	1000.000	1008.697	-0.9	88	0.00
86	I	Perylene - d12 (I)	1000.000	1000.000	0.0	96	0.00
87	TC	Di-n-octylphthalate	1000.000	972.325	2.8	83	0.03
88	T	Benzo(b)fluoranthene	1000.000	957.679	4.2	93	0.00
89	T	benzo(k)fluoranthene	1000.000	1130.872	-13.1	92	0.00
90	T	Benzofluoranthenes	2000.000	2209.635	-10.5	93	0.00
91	TC	Benzo(a)pyrene	1000.000	1137.611	-13.8	92	0.00
92	T	Indeno(1,2,3-cd)pyrene	1000.000	942.667	5.7	88	0.00
93	T	Dibenz(a,h)anthracene	1000.000	1020.099	-2.0	98	0.00
94	T	Benzo(g,h,i)perylene	1000.000	1113.894	-11.4	94	0.00

000836

Quantitation Report (Not Reviewed)

Data File : H:\DATA\022505_A\AT03670.D
Acq On : 25 Feb 2005 11:59 am
Sample : 1281-1-10 1000 8270 ocs
Misc :
MS Integration Params: Rteint.p
Quant Time: Feb 25 12:28:53 2005

Vial: 11
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: 8270_022505.RES

Quant Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Fri Feb 25 12:17:02 2005
Response via : Initial Calibration
DataAcq Meth : 8270

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4 (I)	5.56	152	279612	1000.000 ug/L	0.00
23) Naphthalene - d8 (I)	6.66	136	1109182	1000.000 ug/L	0.00
39) Acenaphthene - d10 (I)	8.13	162	592302	1000.000 ug/L	0.00
63) Phenanthrene - d10 (I)	9.45	188	1025669	1000.000 ug/L	0.00
80) Chrysene - d12 (I)	12.33	240	1145845	1000.000 ul/l	0.00
86) Perylene - d12 (I)	14.00	264	1076801	1000.000 ug/L	0.00
System Monitoring Compounds					
4) 2 - Fluorophenol (S)	4.30	112	225825	964.58 ug/L	-0.03
8) Phenol - d5 (S)	5.25	99	259785	985.88 ug/L	0.00
24) Nitrobenzene - d5 (S)	6.05	82	219459	964.98 ug/L	-0.01
44) 2 - Fluorobiphenyl (S)	7.58	172	618360	967.57 ug/L	0.00
66) 2,4,6 - Tribromophenol (S)	8.80	330	96127	954.06 ug/L	0.00
79) p - Terphenyl - d14 (S)	11.15	244	632864	1019.12 ug/L	0.00
Target Compounds					Qvalue
2) N-Nitrosodimethylamine	2.64	74	624135	4205.055 ug/L	96
3) Pyridine	2.62	79	1302139	4765.328 ug/L	92
5) Cyclohexanone	4.56	55	108008	588.832 ul/L	99
6) Benzaldehyde	5.17	105	206255	974.259 ul/L	99
7) Aniline	5.27	93	317930	1142.756 ug/L	90
9) Phenol	5.26	94	308701	1098.735 ug/L	90
10) bis(2-Chloroethyl)ether	5.34	93	275610	995.624 ug/L	99
11) 2-Chlorophenol	5.36	128	281970	1089.686 ug/L	97
12) Decane	5.43	57	260361	915.329 ul/L	98
13) 1,3-Dichlorobenzene	5.50	146	337510	1035.371 ug/L	97
14) 1,4-Dichlorobenzene	5.57	146	354777	1047.682 ug/L	98
15) Benzyl alcohol	5.70	79	163630	951.588 ug/L	98
16) 1,2-Dichlorobenzene	5.71	146	351032	1033.766 ug/L	97
17) 2-Methylphenol	5.81	108	232152	1105.128 ug/L	99
18) bis(2-chloroisopropyl)ethe	5.83	45	290881	970.180 ug/L	98
19) 3-&4-Methylphenol	5.95	108	232493	1010.450 ug/L	98
20) n-Nitroso-di-n-propylamine	5.94	70	151743	964.249 ug/L	98
21) Acetophenone	5.93	105	332003	948.146 ul/L	85
22) Hexachloroethane	6.00	201	130161	1002.080 ug/L	93
25) Nitrobenzene	6.07	77	233054	1058.170 ug/L	96
26) Isophorone	6.28	82	433633	947.931 ug/L	97
27) 2-Nitrophenol	6.35	139	137692	1087.252 ug/L	95
28) 2,4-Dimethylphenol	6.40	107	230319	1135.825 ug/L	98
29) bis(2-Chloroethoxy)methane	6.48	93	300842	1058.180 ug/L	97
30) Benzoic Acid	6.48	105	352964	3046.979 ug/L	98
31) 2,4-Dichlorophenol	6.55	162	217948	1172.187 ug/L	94

(#) = qualifier out of range (m) = manual integration

008837

Data File : H:\DATA\022505_A\AT03670.D
Acq On : 25 Feb 2005 11:59 am
Sample : 1281-1-10 1000 8270 ocs
Misc :
MS Integration Params: Rteint.p
Quant Time: Feb 25 12:28:53 2005

Vial: 11
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: 8270_022505.RES

Quant Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Fri Feb 25 12:17:02 2005
Response via : Initial Calibration
DataAcq Meth : 8270

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
32)	1,2,4-Trichlorobenzene	6.62	180	297175	1047.417	ug/L	98
33)	Naphthalene	6.68	128	886448	1035.495	ug/L	99
34)	4-Chloroaniline	6.74	127	205354	1229.140	ug/L	98
35)	Hexachlorobutadiene	6.79	225	176015	1030.276	ug/L	97
36)	4-Chloro-3-methylphenol	7.15	107	187243	952.584	ug/L	99
37)	2-Methylnaphthalene	7.27	141	480969	1060.412	ug/L	98
38)	1-Methylnaphthalene	7.35	141	500297	1058.665	ul/l	97
40)	Hexachlorocyclopentadiene	7.39	237	136439	827.425	ug/L	100
41)	2,3-Dichloroaniline	7.50	161	260315	1017.828	ul/L	98
42)	2,4,6-Trichlorophenol	7.50	196	159200	1145.283	ug/L	86
43)	2,4,5-Trichlorophenol	7.53	196	169954	980.998	ug/L	92
45)	2-Chloronaphthalene	7.67	162	540131	1044.323	ug/L	97
46)	Biphenyl	7.66	154	681588	1026.524	ul/L	100
47)	2-Nitroaniline	7.76	138	143591	953.931	ug/L	88
48)	Dimethylphthalate	7.92	163	565292	1016.317	ug/L	100
49)	Acenaphthylene	8.01	152	821795	1006.032	ug/L	100
50)	2,6-Dinitrotoluene	7.97	165	137955	983.385	ug/L	97
51)	3-Nitroaniline	8.10	138	58382	2932.846	ug/L	87
52)	Acenaphthene	8.15	153	545964	1015.726	ug/L	96
53)	2,4-Dinitrophenol	8.19	184	331654	5054.800	ug/L	93
54)	4-Nitrophenol	8.24	139	318983	4068.121	ug/L	95
55)	Dibenzofuran	8.30	168	734575	1020.110	ug/L	97
56)	2,4-Dinitrotoluene	8.29	165	172879	985.937	ug/L	94
57)	2,3,4,6-Tetrachlorophenol	8.37	232	143969	993.540	ug/L	98
58)	2,3,5,6-Tetrachlorophenol	8.40	232	146085	1054.597	ul/l	99
59)	Diethylphthalate	8.51	149	561796	955.008	ug/L	96
60)	Fluorene	8.59	166	573849	1035.508	ug/L	97
61)	4-Chlorophenylphenylether	8.60	204	299952	1028.384	ug/L	93
62)	4-Nitroaniline	8.62	138	54037	682.128	ug/L	82
64)	4,6-Dinitro-2-methylphenol	8.64	198	509870	4757.916	ug/L	97
65)	n-Nitrosodiphenylamine	8.70	169	454592	1190.595	ug/L	99
67)	Azobenzene	8.74	77	419305	1005.932	ug/L	95
68)	4-Bromophenylphenylether	9.03	248	178424	1030.805	ug/L	100
69)	Hexachlorobenzene	9.08	284	230780	1027.975	ug/L	99
70)	Pentachlorophenol	9.27	266	93562	1011.167	ug/L	99
71)	Phenanthrene	9.47	178	831291	994.108	ug/L	100
72)	Anthracene	9.52	178	815871	1075.744	ug/L	99
73)	Octadecane	9.38	57	265207	1092.865	ul/L	99
74)	Carbazole	9.69	167	505539	984.631	ug/L	99
75)	Di-n-butylphthalate	10.07	149	899590	1000.797	ug/L	100
76)	Fluoranthene	10.70	202	891239	1044.254	ug/L	98

(#) = qualifier out of range (m) = manual integration

008238

Data File : H:\DATA\022505_A\AT03670.D
Acq On : 25 Feb 2005 11:59 am
Sample : 1281-1-10 1000 8270 ocs
Misc :
MS Integration Params: Rteint.p
Quant Time: Feb 25 12:28:53 2005

Vial: 11
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: 8270_022505.RES

Quant Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Fri Feb 25 12:17:02 2005
Response via : Initial Calibration
DataAcq Meth : 8270

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
77)	Pyrene	10.94	202	958912	1083.227	ug/L	99
78)	Benzidine	10.88	184	109167	899.405	ul/l	97
81)	Butylbenzylphthalate	11.74	149	364110	939.499	ug/L	91
82)	Benzo(a)anthracene	12.32	228	858170	1030.974	ug/L	98
83)	3,3'-Dichlorobenzidine	12.32	252	463424	1962.502	ug/L	97
84)	Chrysene	12.36	228	853056	983.223	ug/L	97
85)	bis(2-Ethylhexyl)phthalate	12.44	149	542282	1008.697	ug/L	99
87)	Di-n-octylphthalate	13.18	149	811332	972.325	ug/L	99
88)	Benzo(b)fluoranthene	13.53	252	892811	957.679	ul/l	98
89)	benzo(k)fluoranthene	13.56	252	934640	1130.872	ul/l	99
90)	Benzofluoranthenes	13.55	252	1849872	2209.635	ug/L	100
91)	Benzo(a)pyrene	13.93	252	816561	1137.611	ug/L	97
92)	Indeno(1,2,3-cd)pyrene	15.57	276	737110	942.667	ug/L	99
93)	Dibenz(a,h)anthracene	15.61	278	852658	1020.099	ug/L	98
94)	Benzo(g,h,i)perylene	15.91	276	892985	1113.894	ug/L	99

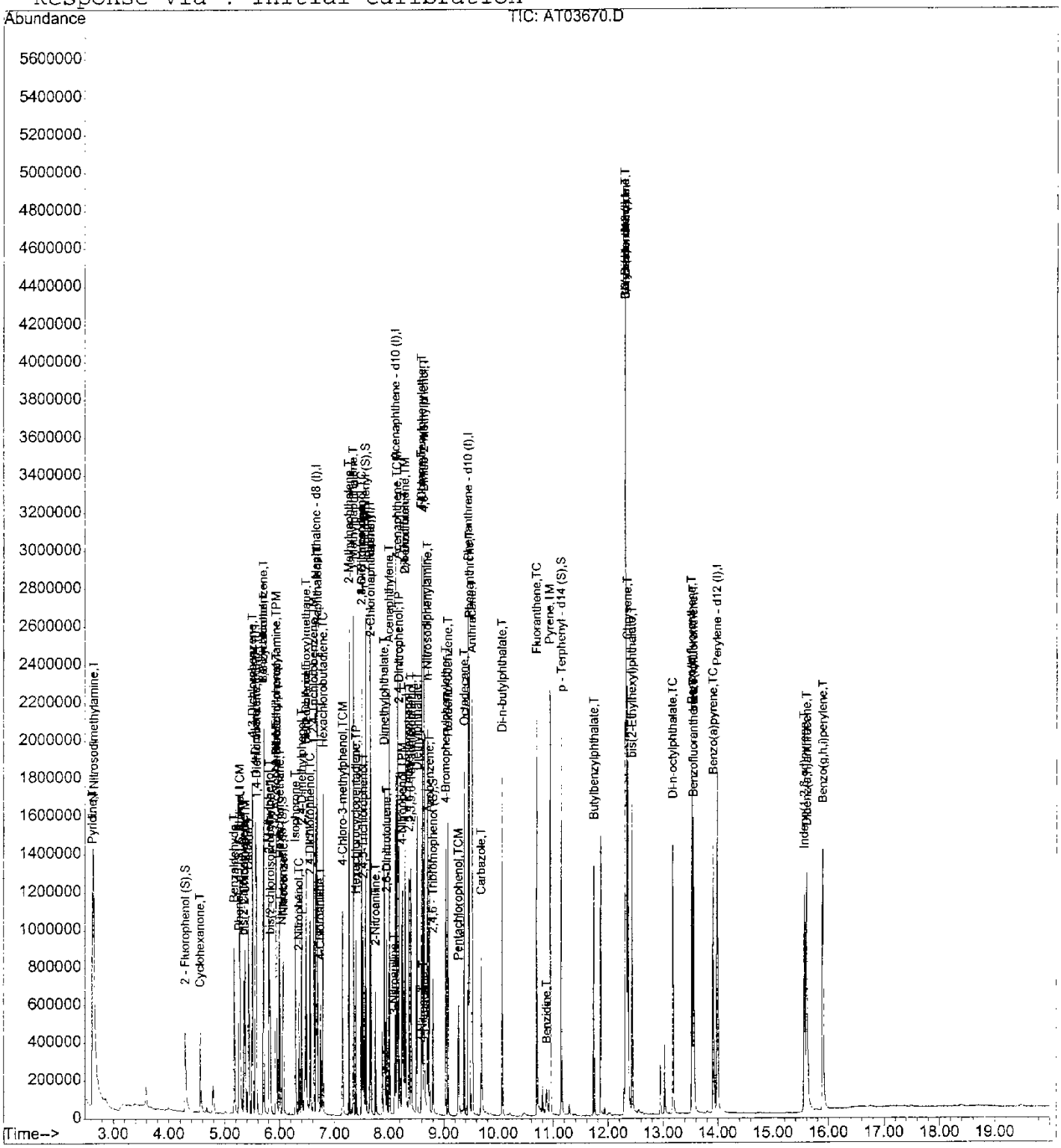
(#) = qualifier out of range (m) = manual integration

008339

Data File : H:\DATA\022505_A\AT03670.D
Acq On : 25 Feb 2005 11:59 am
Sample : 1281-1-10 1000 8270 ocs
Misc :
MS Integration Params: Rteint.p
Quant Time: Feb 25 12:29 2005

Vial: 11
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: 8270_022505.

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Fri Feb 25 12:17:02 2005
Response via : Initial Calibration



CONTINUING CALIBRATION

Injection Log

Directory: H:\DATA\022505_A

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	At03660.d	1.	rinse		25 Feb 2005 07:06
2	2	At03661.d	1.	dftpp		25 Feb 2005 07:30
3	3	At03662.d	1.	1281-1-9 2500 8270 ical		25 Feb 2005 08:19
4	4	At03663.d	1.	1281-1-8 2000 8270 ical		25 Feb 2005 08:46
5	5	At03664.d	1.	1281-1-6 1000 8270 ical		25 Feb 2005 09:14
6	6	At03665.d	1.	1281-1-5 500 8270 ical		25 Feb 2005 09:41
7	7	At03666.d	1.	1281-1-4 200 8270 ical		25 Feb 2005 10:09
8	8	At03667.d	1.	1281-1-3 100 8270 ical		25 Feb 2005 10:36
9	9	At03668.d	1.	1281-1-2 50 8270 ical		25 Feb 2005 11:04
10	10	At03669.d	1.	1281-1-1 20 8270 ical		25 Feb 2005 11:32
11	11	At03670.d	1.	1281-1-10 1000 8270 ocs		25 Feb 2005 11:59
12	12	At03671.d	1.	ss1343 mb #20 &1		25 Feb 2005 12:42
13	13	At03672.d	1.	ss1343 bs #20 &1		25 Feb 2005 13:09
14	14	At03673.d	1.	ss1343 bsd #20 &1		25 Feb 2005 13:37
15	15	At03674.d	1.	126377-6 &1		25 Feb 2005 14:04
16	16	At03675.d	1.	126377-6 &1 ms		25 Feb 2005 14:32
17	17	At03676.d	1.	126377-6 &1 msd		25 Feb 2005 14:59
18	18	At03677.d	1.	126377-2 &1		25 Feb 2005 15:27
19	19	At03678.d	1.	126377-3 &1		25 Feb 2005 15:59
20	20	At03679.d	1.	126377-4 &1		25 Feb 2005 16:32
21	21	At03680.d	1.	126377-5 &1		25 Feb 2005 17:05
22	22	At03681.d	1.	126377-7 &1		25 Feb 2005 17:38
23	23	At03682.d	1.	126377-8 &1		25 Feb 2005 18:10
24	24	At03683.d	1.	126377-1 &1		25 Feb 2005 18:43

28 Feb 2005 11:38

00842

Injection Log

Directory: H:\DATA\030405_A

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	At03709.d	1.	rinse		4 Mar 2005 11:34
2	2	At03710.d	1.	dftpp		4 Mar 2005 11:58
3	3	At03711.d	1.	1281-1-10 1000 8270 ~~ocs~~ ccal		4 Mar 2005 12:14
4	3	At03712.d	1.	1281-1-6 1000 8270 CCAL		4 Mar 2005 12:42
5	4	At03713.d	1.	126377-6 &1 1:5		4 Mar 2005 13:09

3/4/05

First CCAL failed high on several ~~CCO~~ CC compounds
2nd CCAL failed high on 3 CC compounds
that weren't on the sediment list.
This CCAL should be considered passing
A new ICAL will be prepared
3/4/05

000843

Quantitation Report (Not Reviewed)

Data File : H:\DATA\022505_A\AT03670.D
Acq On : 25 Feb 2005 11:59 am
Sample : 1281-1-10 1000 8270 ocs
Misc :
MS Integration Params: Rteint.p
Quant Time: Feb 25 12:28:53 2005

Vial: 11
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: 8270_022505.RES

Quant Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Fri Feb 25 12:17:02 2005
Response via : Initial Calibration
DataAcq Meth : 8270

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4 (I)	5.56	152	279612	1000.000	ug/L	0.00
23) Naphthalene - d8 (I)	6.66	136	1109182	1000.000	ug/L	0.00
39) Acenaphthene - d10 (I)	8.13	162	592302	1000.000	ug/L	0.00
63) Phenanthrene - d10 (I)	9.45	188	1025669	1000.000	ug/L	0.00
80) Chrysene - d12 (I)	12.33	240	1145845	1000.000	ul/l	0.00
86) Perylene - d12 (I)	14.00	264	1076801	1000.000	ug/L	0.00
System Monitoring Compounds						
4) 2 - Fluorophenol (S)	4.30	112	225825	964.58	ug/L	-0.03
8) Phenol - d5 (S)	5.25	99	259785	985.88	ug/L	0.00
24) Nitrobenzene - d5 (S)	6.05	82	219459	964.98	ug/L	-0.01
44) 2 - Fluorobiphenyl (S)	7.58	172	618360	967.57	ug/L	0.00
66) 2,4,6 - Tribromophenol (S)	8.80	330	96127	954.06	ug/L	0.00
79) p - Terphenyl - d14 (S)	11.15	244	632864	1019.12	ug/L	0.00
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	2.64	74	624135	4205.055	ug/L	96
3) Pyridine	2.62	79	1302139	4765.328	ug/L	92
5) Cyclohexanone	4.56	55	108008	588.832	ul/L	99
6) Benzaldehyde	5.17	105	206255	974.259	ul/L	99
7) Aniline	5.27	93	317930	1142.756	ug/L	90
9) Phenol	5.26	94	308701	1098.735	ug/L	90
10) bis(2-Chloroethyl)ether	5.34	93	275610	995.624	ug/L	99
11) 2-Chlorophenol	5.36	128	281970	1089.686	ug/L	97
12) Decane	5.43	57	260361	915.329	ul/L	98
13) 1,3-Dichlorobenzene	5.50	146	337510	1035.371	ug/L	97
14) 1,4-Dichlorobenzene	5.57	146	354777	1047.682	ug/L	98
15) Benzyl alcohol	5.70	79	163630	951.588	ug/L	98
16) 1,2-Dichlorobenzene	5.71	146	351032	1033.766	ug/L	97
17) 2-Methylphenol	5.81	108	232152	1105.128	ug/L	99
18) bis(2-chloroisopropyl)ethe	5.83	45	290881	970.180	ug/L	98
19) 3-&4-Methylphenol	5.95	108	232493	1010.450	ug/L	98
20) n-Nitroso-di-n-propylamine	5.94	70	151743	964.249	ug/L	98
21) Acetophenone	5.93	105	332003	948.146	ul/L	85
22) Hexachloroethane	6.00	201	130161	1002.080	ug/L	93
25) Nitrobenzene	6.07	77	233054	1058.170	ug/L	96
26) Isophorone	6.28	82	433633	947.931	ug/L	97
27) 2-Nitrophenol	6.35	139	137692	1087.252	ug/L	95
28) 2,4-Dimethylphenol	6.40	107	230319	1135.825	ug/L	98
29) bis(2-Chloroethoxy)methane	6.48	93	300842	1058.180	ug/L	97
30) Benzoic Acid	6.48	105	352964	3046.979	ug/L	98
31) 2,4-Dichlorophenol	6.55	162	217948	1172.187	ug/L	94

(#) = qualifier out of range (m) = manual integration

008844

Quantitation Report (Not Reviewed)

Data File : H:\DATA\022505_A\AT03670.D
Acq On : 25 Feb 2005 11:59 am
Sample : 1281-1-10 1000 8270 ocs
Misc :
MS Integration Params: Rteint.p
Quant Time: Feb 25 12:28:53 2005

Vial: 11
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: 8270_022505.RES

Quant Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Fri Feb 25 12:17:02 2005
Response via : Initial Calibration
DataAcq Meth : 8270

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
32)	1,2,4-Trichlorobenzene	6.62	180	297175	1047.417	ug/L	98
33)	Naphthalene	6.68	128	886448	1035.495	ug/L	99
34)	4-Chloroaniline	6.74	127	205354	1229.140	ug/L	98
35)	Hexachlorobutadiene	6.79	225	176015	1030.276	ug/L	97
36)	4-Chloro-3-methylphenol	7.15	107	187243	952.584	ug/L	99
37)	2-Methylnaphthalene	7.27	141	480969	1060.412	ug/L	98
38)	1-Methylnaphthalene	7.35	141	500297	1058.665	ul/l	97
40)	Hexachlorocyclopentadiene	7.39	237	136439	827.425	ug/L	100
41)	2,3-Dichloroaniline	7.50	161	260315	1017.828	ul/L	98
42)	2,4,6-Trichlorophenol	7.50	196	159200	1145.283	ug/L	86
43)	2,4,5-Trichlorophenol	7.53	196	169954	980.998	ug/L	92
45)	2-Chloronaphthalene	7.67	162	540131	1044.323	ug/L	97
46)	Biphenyl	7.66	154	681588	1026.524	ul/L	100
47)	2-Nitroaniline	7.76	138	143591	953.931	ug/L	88
48)	Dimethylphthalate	7.92	163	565292	1016.317	ug/L	100
49)	Acenaphthylene	8.01	152	821795	1006.032	ug/L	100
50)	2,6-Dinitrotoluene	7.97	165	137955	983.385	ug/L	97
51)	3-Nitroaniline	8.10	138	58382	2932.846	ug/L	87
52)	Acenaphthene	8.15	153	545964	1015.726	ug/L	96
53)	2,4-Dinitrophenol	8.19	184	331654	5054.800	ug/L	93
54)	4-Nitrophenol	8.24	139	318983	4068.121	ug/L	95
55)	Dibenzofuran	8.30	168	734575	1020.110	ug/L	97
56)	2,4-Dinitrotoluene	8.29	165	172879	985.937	ug/L	94
57)	2,3,4,6-Tetrachlorophenol	8.37	232	143969	993.540	ug/L	98
58)	2,3,5,6-Tetrachlorophenol	8.40	232	146085	1054.597	ul/l	99
59)	Diethylphthalate	8.51	149	561796	955.008	ug/L	96
60)	Fluorene	8.59	166	573849	1035.508	ug/L	97
61)	4-Chlorophenylphenylether	8.60	204	299952	1028.384	ug/L	93
62)	4-Nitroaniline	8.62	138	54037	682.128	ug/L	82
64)	4,6-Dinitro-2-methylphenol	8.64	198	509870	4757.916	ug/L	97
65)	n-Nitrosodiphenylamine	8.70	169	454592	1190.595	ug/L	99
67)	Azobenzene	8.74	77	419305	1005.932	ug/L	95
68)	4-Bromophenylphenylether	9.03	248	178424	1030.805	ug/L	100
69)	Hexachlorobenzene	9.08	284	230780	1027.975	ug/L	99
70)	Pentachlorophenol	9.27	266	93562	1011.167	ug/L	99
71)	Phenanthrene	9.47	178	831291	994.108	ug/L	100
72)	Anthracene	9.52	178	815871	1075.744	ug/L	99
73)	Octadecane	9.38	57	265207	1092.865	ul/L	99
74)	Carbazole	9.69	167	505539	984.631	ug/L	99
75)	Di-n-butylphthalate	10.07	149	899590	1000.797	ug/L	100
76)	Fluoranthene	10.70	202	891239	1044.254	ug/L	98

(#) = qualifier out of range (m) = manual integration

008845

Data File : H:\DATA\022505_A\AT03670.D
Acq On : 25 Feb 2005 11:59 am
Sample : 1281-1-10 1000 8270 ocs
Misc :
MS Integration Params: Rteint.p
Quant Time: Feb 25 12:28:53 2005

Vial: 11
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: 8270_022505.RES

Quant Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Fri Feb 25 12:17:02 2005
Response via : Initial Calibration
DataAcq Meth : 8270

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
77)	Pyrene	10.94	202	958912	1083.227	ug/L	99
78)	Benzidine	10.88	184	109167	899.405	ul/l	97
81)	Butylbenzylphthalate	11.74	149	364110	939.499	ug/L	91
82)	Benzo(a)anthracene	12.32	228	858170	1030.974	ug/L	98
83)	3,3'-Dichlorobenzidine	12.32	252	463424	1962.502	ug/L	97
84)	Chrysene	12.36	228	853056	983.223	ug/L	97
85)	bis(2-Ethylhexyl)phthalate	12.44	149	542282	1008.697	ug/L	99
87)	Di-n-octylphthalate	13.18	149	811332	972.325	ug/L	99
88)	Benzo(b)fluoranthene	13.53	252	892811	957.679	ul/l	98
89)	benzo(k)fluoranthene	13.56	252	934640	1130.872	ul/l	99
90)	Benzofluoranthenes	13.55	252	1849872	2209.635	ug/L	100
91)	Benzo(a)pyrene	13.93	252	816561	1137.611	ug/L	97
92)	Indeno(1,2,3-cd)pyrene	15.57	276	737110	942.667	ug/L	99
93)	Dibenz(a,h)anthracene	15.61	278	852658	1020.099	ug/L	98
94)	Benzo(g,h,i)perylene	15.91	276	892985	1113.894	ug/L	99

(#) = qualifier out of range (m) = manual integration

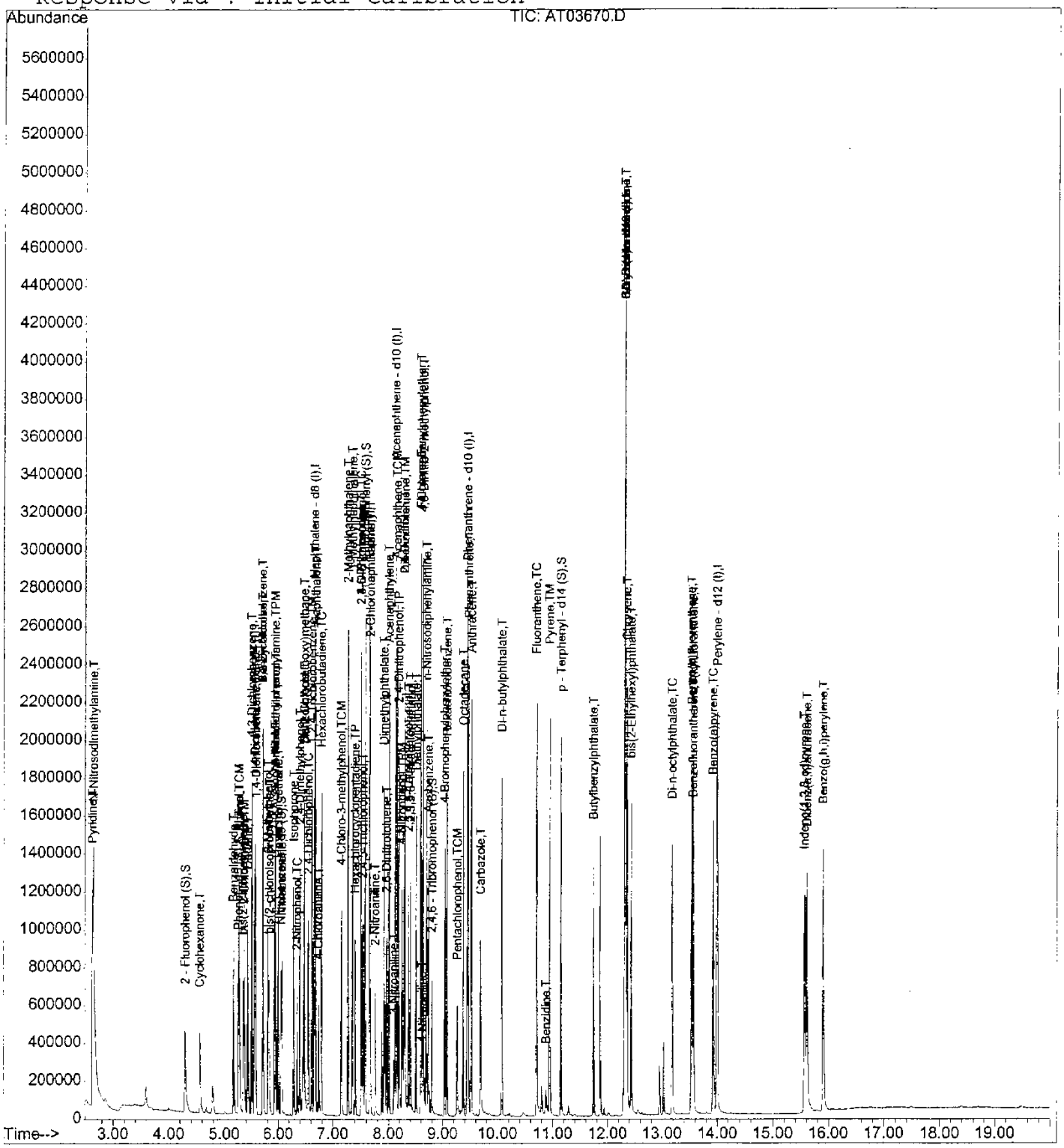
000846

Quantitation Report (Not Reviewed)

Data File : H:\DATA\022505_A\AT03670.D
Acq On : 25 Feb 2005 11:59 am
Sample : 1281-1-10 1000 8270 ocs
Misc :
MS Integration Params: Rteint.p
Quant Time: Feb 25 12:29 2005

Vial: 11
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: 8270_022505.

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Fri Feb 25 12:17:02 2005
Response via : Initial Calibration



000847

Evaluate Continuing Calibration Report

Data File : H:\DATA\022505_A\AT03670.D
Acq On : 25 Feb 2005 11:59 am
Sample : 1281-1-10 1000 8270 ocs
Misc :
MS Integration Params: Rteint.p

Vial: 11
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Fri Feb 25 12:17:02 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4 (I)	1.000	1.000	0.0	100	0.00
2	T	N-Nitrosodimethylamine	0.440	0.446	-1.4	83	0.00
3	T	Pyridine	0.829	0.931	-12.3	89	0.00
4	S	2 - Fluorophenol (S)	0.837	0.808	3.5	87	-0.03
5	T	Cyclohexanone	0.656	0.386	41.2#	56	-0.02
6	T	Benzaldehyde	0.757	0.738	2.5	90	0.00
7	T	Aniline	0.941	1.137	-20.8#	106	0.00
8	S	Phenol - d5 (S)	0.942	0.929	1.4	86	0.00
9	TCM	Phenol	1.005	1.104	-9.9	95	0.00
10	T	bis(2-Chloroethyl)ether	0.990	0.986	0.4	95	0.00
11	TM	2-Chlorophenol	0.925	1.008	-9.0	97	0.00
12	T	Decane	1.017	0.931	8.5	88	0.00
13	T	1,3-Dichlorobenzene	1.166	1.207	-3.5	98	0.00
14	TCM	1,4-Dichlorobenzene	1.211	1.269	-4.8	100	0.00
15	T	Benzyl alcohol	0.550	0.585	-6.4	91	0.00
16	T	1,2-Dichlorobenzene	1.214	1.255	-3.4	99	0.00
17	T	2-Methylphenol	0.751	0.830	-10.5	96	0.00
18	T	bis(2-chloroisopropyl)ether	1.072	1.040	3.0	94	0.00
19	T	3-&4-Methylphenol	0.722	0.416	42.4#	47#	0.00
20	TPM	n-Nitroso-di-n-propylamine	0.498	0.543	-9.0	93	0.00
21	T	Acetophenone	1.126	1.187	-5.4	90	0.00
22	T	Hexachloroethane	0.465	0.466	-0.2	97	0.00
23	I	Naphthalene - d8 (I)	1.000	1.000	0.0	99	0.00
24	S	Nitrobenzene - d5 (S)	0.205	0.198	3.4	86	-0.01
25	T	Nitrobenzene	0.199	0.210	-5.5	93	-0.01
26	T	Isophorone	0.412	0.391	5.1	85	0.00
27	TC	2-Nitrophenol	0.114	0.124	-8.8	91	0.00
28	T	2,4-Dimethylphenol	0.159	0.208	-30.8#	110	0.00
29	T	bis(2-Chloroethoxy)methane	0.256	0.271	-5.9	98	0.00
30	T	Benzoic Acid	0.080	0.064	20.0	49#	-0.02
31	TC	2,4-Dichlorophenol	0.168	0.196	-16.7	96	0.00
32	TM	1,2,4-Trichlorobenzene	0.256	0.268	-4.7	100	0.00
33	T	Naphthalene	0.772	0.799	-3.5	98	0.00
34	T	4-Chloroaniline	0.151	0.185	-22.5#	94	0.00
35	TC	Hexachlorobutadiene	0.154	0.159	-3.2	98	0.00
36	TCM	4-Chloro-3-methylphenol	0.147	0.169	-15.0	90	0.00
37	T	2-Methylnaphthalene	0.409	0.434	-6.1	96	0.00
38	T	1-Methylnaphthalene	0.426	0.451	-5.9	97	0.00
39	I	Acenaphthene - d10 (I)	1.000	1.000	0.0	98	0.00

(#) = Out of Range

008848

Evaluate Continuing Calibration Report

Data File : H:\DATA\022505_A\AT03670.D
Acq On : 25 Feb 2005 11:59 am
Sample : 1281-1-10 1000 8270 ocs
Misc :
MS Integration Params: Rteint.p

Vial: 11
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Fri Feb 25 12:17:02 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
40	TP	Hexachlorocyclopentadiene	0.242	0.230	5.0	81	-0.01
41	T	2,3-Dichloroaniline	0.432	0.439	-1.6	87	-0.01
42	TC	2,4,6-Trichlorophenol	0.235	0.269	-14.5	92	-0.01
43	T	2,4,5-Trichlorophenol	0.247	0.287	-16.2	93	0.00
44	S	2 - Fluorobiphenyl (S)	1.079	1.044	3.2	91	0.00
45	T	2-Chloronaphthalene	0.873	0.912	-4.5	96	0.00
46	T	Biphenyl	1.121	1.151	-2.7	94	0.00
47	T	2-Nitroaniline	0.198	0.242	-22.2#	89	0.00
48	T	Dimethylphthalate	0.939	0.954	-1.6	91	0.00
49	T	Acenaphthylene	1.379	1.387	-0.6	89	0.00
50	T	2,6-Dinitrotoluene	0.208	0.233	-12.0	92	0.00
51	T	3-Nitroaniline	0.054	0.099	-83.3#	106	0.00
52	TCM	Acenaphthene	0.907	0.922	-1.7	95	0.00
53	TP	2,4-Dinitrophenol	0.077	0.112	-45.5#	88	0.00
54	TPM	4-Nitrophenol	0.116	0.108	6.9	72	0.00
55	T	Dibenzofuran	1.216	1.240	-2.0	93	0.00
56	TM	2,4-Dinitrotoluene	0.253	0.292	-15.4	90	0.00
57	T	2,3,4,6-Tetrachlorophenol	0.216	0.243	-12.5	92	0.00
58	T	2,3,5,6-Tetrachlorophenol	0.234	0.247	-5.6	90	0.00
59	T	Diethylphthalate	0.993	0.948	4.5	89	0.00
60	T	Fluorene	0.936	0.969	-3.5	90	0.00
61	T	4-Chlorophenylphenylether	0.492	0.506	-2.8	94	0.00
62	T	4-Nitroaniline	0.134	0.091	32.1#	70	0.00
63	I	Phenanthrene - d10 (I)	1.000	1.000	0.0	92	0.00
64	T	4,6-Dinitro-2-methylphenol	0.086	0.099	-15.1	85	0.00
65	T	n-Nitrosodiphenylamine	0.338	0.443	-31.1#	102	0.00
66	S	2,4,6 - Tribromophenol (S)	0.085	0.094	-10.6	85	0.00
67	T	Azobenzene	0.406	0.409	-0.7	86	0.00
68	T	4-Bromophenylphenylether	0.169	0.174	-3.0	92	0.00
69	T	Hexachlorobenzene	0.219	0.225	-2.7	93	0.00
70	TCM	Pentachlorophenol	0.090	0.091	-1.1	79	0.00
71	T	Phenanthrene	0.815	0.810	0.6	88	0.00
72	T	Anthracene	0.739	0.795	-7.6	88	0.00
73	T	Octadecane	0.237	0.259	-9.3	88	0.00
74	T	Carbazole	0.501	0.493	1.6	85	0.00
75	T	Di-n-butylphthalate	0.876	0.877	-0.1	85	0.00
76	TC	Fluoranthene	0.832	0.869	-4.4	85	0.00
77	TM	Pyrene	0.863	0.935	-8.3	90	0.00
78	T	Benzidine	0.118	0.000	100.0#	32#	0.00
79	S	p - Terphenyl - d14 (S)	0.605	0.617	-2.0	85	0.00

(#) = Out of Range

008849

Evaluate Continuing Calibration Report

Data File : H:\DATA\022505_A\AT03670.D
Acq On : 25 Feb 2005 11:59 am
Sample : 1281-1-10 1000 8270 ocs
Misc :
MS Integration Params: Rteint.p

Vial: 11
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Fri Feb 25 12:17:02 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
80	I	Chrysene - d12 (I)	1.000	1.000	0.0	95	0.00
81	T	Butylbenzylphthalate	0.320	0.318	0.6	86	0.00
82	T	Benzo(a)anthracene	0.726	0.749	-3.2	88	0.00
83	T	3,3'-Dichlorobenzidine	0.177	0.404	-128.2#	159	0.00
84	T	Chrysene	0.757	0.744	1.7	91	0.00
85	T	bis(2-Ethylhexyl)phthalate	0.469	0.473	-0.9	88	0.00
86	I	Perylene - d12 (I)	1.000	1.000	0.0	96	0.00
87	TC	Di-n-octylphthalate	0.775	0.753	2.8	83	0.03
88	T	Benzo(b)fluoranthene	0.754	0.829	-9.9	93	0.00
89	T	benzo(k)fluoranthene	0.768	0.868	-13.0	92	0.00
90	T	Benzofluoranthenes	0.777	0.859	-10.6	93	0.00
91	TC	Benzo(a)pyrene	0.667	0.758	-13.6	92	0.00
92	T	Indeno(1,2,3-cd)pyrene	0.582	0.685	-17.7	88	0.00
93	T	Dibenz(a,h)anthracene	0.676	0.792	-17.2	98	0.00
94	T	Benzo(g,h,i)perylene	0.745	0.829	-11.3	94	0.00

Evaluate Continuing Calibration Report

Data File : H:\DATA\022505_A\AT03670.D Vial: 11
Acq On : 25 Feb 2005 11:59 am Operator: RBF
Sample : 1281-1-10 1000 8270 ocs Inst : hp6890gcm
Misc : Multiplr: 1.00
MS Integration Params: Rteint.p

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Fri Feb 25 12:17:02 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4 (I)	1000.000	1000.000	0.0	100	0.00
2	T	N-Nitrosodimethylamine	5000.000	4205.055	15.9	83	0.00
3	T	Pyridine	5000.000	4765.328	4.7	89	0.00
4	S	2 - Fluorophenol (S)	1000.000	964.584	3.5	87	-0.03
5	T	Cyclohexanone	1000.000	588.832	41.1#	56	-0.02
6	T	Benzaldehyde	1000.000	974.259	2.6	90	0.00
7	T	Aniline	1000.000	1142.756	-14.3	106	0.00
8	S	Phenol - d5 (S)	1000.000	985.879	1.4	86	0.00
9	TCM	Phenol	1000.000	1098.735	-9.9	95	0.00
10	T	bis(2-Chloroethyl)ether	1000.000	995.624	0.4	95	0.00
11	TM	2-Chlorophenol	1000.000	1089.686	-9.0	97	0.00
12	T	Decane	1000.000	915.329	8.5	88	0.00
13	T	1,3-Dichlorobenzene	1000.000	1035.371	-3.5	98	0.00
14	TCM	1,4-Dichlorobenzene	1000.000	1047.682	-4.8	100	0.00
15	T	Benzyl alcohol	1000.000	951.588	4.8	91	0.00
16	T	1,2-Dichlorobenzene	1000.000	1033.766	-3.4	99	0.00
17	T	2-Methylphenol	1000.000	1105.128	-10.5	96	0.00
18	T	bis(2-chloroisopropyl)ether	1000.000	970.180	3.0	94	0.00
19	T	3-&4-Methylphenol	2000.000	1010.450	49.5#	47	0.00
20	TPM	n-Nitroso-di-n-propylamine	1000.000	964.249	3.6	93	0.00
21	T	Acetophenone	1000.000	948.146	5.2	90	0.00
22	T	Hexachloroethane	1000.000	1002.080	-0.2	97	0.00
23	I	Naphthalene - d8 (I)	1000.000	1000.000	0.0	99	0.00
24	S	Nitrobenzene - d5 (S)	1000.000	964.975	3.5	86	-0.01
25	T	Nitrobenzene	1000.000	1058.170	-5.8	93	-0.01
26	T	Isophorone	1000.000	947.931	5.2	85	0.00
27	TC	2-Nitrophenol	1000.000	1087.252	-8.7	91	0.00
28	T	2,4-Dimethylphenol	1000.000	1135.825	-13.6	110	0.00
29	T	bis(2-Chloroethoxy)methane	1000.000	1058.180	-5.8	98	0.00
30	T	Benzoic Acid	5000.000	3046.979	39.1#	49	-0.02
31	TC	2,4-Dichlorophenol	1000.000	1172.187	-17.2	96	0.00
32	TM	1,2,4-Trichlorobenzene	1000.000	1047.417	-4.7	100	0.00
33	T	Naphthalene	1000.000	1035.495	-3.5	98	0.00
34	T	4-Chloroaniline	1000.000	1229.140	-22.9#	94	0.00
35	TC	Hexachlorobutadiene	1000.000	1030.276	-3.0	98	0.00
36	TCM	4-Chloro-3-methylphenol	1000.000	952.584	4.7	90	0.00
37	T	2-Methylnaphthalene	1000.000	1060.412	-6.0	96	0.00
38	T	1-Methylnaphthalene	1000.000	1058.665	-5.9	97	0.00
39	I	Acenaphthene - d10 (I)	1000.000	1000.000	0.0	98	0.00

(#) = Out of Range

00851

Evaluate Continuing Calibration Report

Data File : H:\DATA\022505_A\AT03670.D Vial: 11
Acq On : 25 Feb 2005 11:59 am Operator: RBF
Sample : 1281-1-10 1000 8270 ocs Inst : hp6890gcm
Misc : Multiplr: 1.00
MS Integration Params: Rteint.p

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Fri Feb 25 12:17:02 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
40	TP	Hexachlorocyclopentadiene	1000.000	827.425	17.3	81	-0.01
41	T	2,3-Dichloroaniline	1000.000	1017.828	-1.8	87	-0.01
42	TC	2,4,6-Trichlorophenol	1000.000	1145.283	-14.5	92	-0.01
43	T	2,4,5-Trichlorophenol	1000.000	980.998	1.9	93	0.00
44	S	2 - Fluorobiphenyl (S)	1000.000	967.574	3.2	91	0.00
45	T	2-Chloronaphthalene	1000.000	1044.323	-4.4	96	0.00
46	T	Biphenyl	1000.000	1026.524	-2.7	94	0.00
47	T	2-Nitroaniline	1000.000	953.931	4.6	89	0.00
48	T	Dimethylphthalate	1000.000	1016.317	-1.6	91	0.00
49	T	Acenaphthylene	1000.000	1006.032	-0.6	89	0.00
50	T	2,6-Dinitrotoluene	1000.000	983.385	1.7	92	0.00
51	T	3-Nitroaniline	1000.000	2932.846	-193.3#	106	0.00
52	TCM	Acenaphthene	1000.000	1015.726	-1.6	95	0.00
53	TP	2,4-Dinitrophenol	5000.000	5054.800	-1.1	88	0.00
54	TPM	4-Nitrophenol	5000.000	4068.121	18.6	72	0.00
55	T	Dibenzofuran	1000.000	1020.110	-2.0	93	0.00
56	TM	2,4-Dinitrotoluene	1000.000	985.937	1.4	90	0.00
57	T	2,3,4,6-Tetrachlorophenol	1000.000	993.540	0.6	92	0.00
58	T	2,3,5,6-Tetrachlorophenol	1000.000	1054.597	-5.5	90	0.00
59	T	Diethylphthalate	1000.000	955.008	4.5	89	0.00
60	T	Fluorene	1000.000	1035.508	-3.6	90	0.00
61	T	4-Chlorophenylphenylether	1000.000	1028.384	-2.8	94	0.00
62	T	4-Nitroaniline	1000.000	682.128	31.8#	70	0.00
63	I	Phenanthrene - d10 (I)	1000.000	1000.000	0.0	92	0.00
64	T	4,6-Dinitro-2-methylphenol	5000.000	4757.916	4.8	85	0.00
65	T	n-Nitrosodiphenylamine	1000.000	1190.595	-19.1	102	0.00
66	S	2,4,6 - Tribromophenol (S)	1000.000	954.062	4.6	85	0.00
67	T	Azobenzene	1000.000	1005.932	-0.6	86	0.00
68	T	4-Bromophenylphenylether	1000.000	1030.805	-3.1	92	0.00
69	T	Hexachlorobenzene	1000.000	1027.975	-2.8	93	0.00
70	TCM	Pentachlorophenol	1000.000	1011.167	-1.1	79	0.00
71	T	Phenanthrene	1000.000	994.108	0.6	88	0.00
72	T	Anthracene	1000.000	1075.744	-7.6	88	0.00
73	T	Octadecane	1000.000	1092.865	-9.3	88	0.00
74	T	Carbazole	1000.000	984.631	1.5	85	0.00
75	T	Di-n-butylphthalate	1000.000	1000.797	-0.1	85	0.00
76	TC	Fluoranthene	1000.000	1044.254	-4.4	85	0.00
77	TM	Pyrene	1000.000	1083.227	-8.3	90	0.00
78	T	Benzidine	-1.000	899.405	0.0	32	0.00
79	S	p - Terphenyl - d14 (S)	1000.000	1019.118	-1.9	85	0.00

(#) = Out of Range

008852

Evaluate Continuing Calibration Report

Data File : H:\DATA\022505_A\AT03670.D Vial: 11
Acq On : 25 Feb 2005 11:59 am Operator: RBF
Sample : 1281-1-10 1000 8270 ocs Inst : hp6890gcm
Misc : Multiplr: 1.00
MS Integration Params: Rteint.p

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Fri Feb 25 12:17:02 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
80	I	Chrysene - d12 (I)	1000.000	1000.000	0.0	95	0.00
81	T	Butylbenzylphthalate	1000.000	939.499	6.1	86	0.00
82	T	Benzo(a)anthracene	1000.000	1030.974	-3.1	88	0.00
83	T	3,3'-Dichlorobenzidine	1000.000	1962.502	-96.3#	159	0.00
84	T	Chrysene	1000.000	983.223	1.7	91	0.00
85	T	bis(2-Ethylhexyl)phthalate	1000.000	1008.697	-0.9	88	0.00
86	I	Perylene - d12 (I)	1000.000	1000.000	0.0	96	0.00
87	TC	Di-n-octylphthalate	1000.000	972.325	2.8	83	0.03
88	T	Benzo(b)fluoranthene	1000.000	957.679	4.2	93	0.00
89	T	benzo(k)fluoranthene	1000.000	1130.872	-13.1	92	0.00
90	T	Benzofluoranthenes	2000.000	2209.635	-10.5	93	0.00
91	TC	Benzo(a)pyrene	1000.000	1137.611	-13.8	92	0.00
92	T	Indeno(1,2,3-cd)pyrene	1000.000	942.667	5.7	88	0.00
93	T	Dibenz(a,h)anthracene	1000.000	1020.099	-2.0	98	0.00
94	T	Benzo(g,h,i)perylene	1000.000	1113.894	-11.4	94	0.00

008553

Injection Log

Directory: H:\DATA\030105_A

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	At03686.d	1.	rinse		1 Mar 2005 06:45
2	2	At03687.d	1.	dftpp		1 Mar 2005 07:09
3	3	At03688.d	1.	1281-1-6 1000 8270 ccal		1 Mar 2005 07:24
4	3	At03689.d	1.	~~1281-1-10 1000 8270 ccs~~ 1281-1-6	8270 ccal	1 Mar 2005 08:08
5	4	At03690.d	1.	ss1348 mb #20 &1		1 Mar 2005 08:46
6	5	At03691.d	1.	ss1348 bs #20 &1		1 Mar 2005 09:14
7	6	At03692.d	1.	ss1348 bsd #20 &1		1 Mar 2005 09:41
8	7	At03693.d	1.	126377-6 &1		1 Mar 2005 10:09
9	8	At03694.d	1.	126377-6 &1 ms		1 Mar 2005 10:36
10	9	At03695.d	1.	126377-6 &1 msd		1 Mar 2005 11:04
11	10	At03696.d	1.	126377-2 &1		1 Mar 2005 11:32
12	11	At03697.d	1.	126377-3 &1		1 Mar 2005 12:04
13	12	At03698.d	1.	126377-4 &1		1 Mar 2005 12:37
14	13	At03699.d	1.	126377-5 &1		1 Mar 2005 13:10
15	14	At03700.d	1.	126377-7 &1		1 Mar 2005 13:42
16	15	At03701.d	1.	126377-1 &1		1 Mar 2005 14:15
17	16	At03702.d	1.	126377-8 &1 1:5 ss1343		1 Mar 2005 14:48
18	17	At03703.d	1.	126377-2 &1 1:5 ss1348		1 Mar 2005 15:16
19	18	At03704.d	1.	126377-3 &1 1:5 ss1348		1 Mar 2005 15:43
20	19	At03705.d	1.	126377-4 &1 1:5 ss1348		1 Mar 2005 16:11
21	20	At03706.d	1.	126377-5 &1 1:5 ss1348		1 Mar 2005 16:39
22	21	At03707.d	1.	126377-7 &1 1:5 ss1348		1 Mar 2005 17:06
23	22	At03708.d	1.	126377-1 &1 1:5 ss1348		1 Mar 2005 17:34

AA 3/2/05

The 4 failing ce compounds were not associated with the compound list. The ccal should be considered passing

AA 3/2/05

00854

Quantitation Report (QT Reviewed)

Data File : H:\DATA\030105_A\AT03688.D
Acq On : 1 Mar 2005 7:24 am
Sample : 1281-1-6 1000 8270 ccal
Misc :
MS Integration Params: Rteint.p
Quant Time: Mar 01 07:48:44 2005

Vial: 3
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: 8270_022505.RES

Quant Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Feb 28 14:16:48 2005
Response via : Initial Calibration
DataAcq Meth : 8270

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4 (I)	5.43	152	267467	1000.000 ug/L	0.00
23) Naphthalene - d8 (I)	6.54	136	1087775	1000.000 ug/L	0.00
39) Acenaphthene - d10 (I)	8.00	162	579880	1000.000 ug/L	0.00
63) Phenanthrene - d10 (I)	9.31	188	1086306	1000.000 ug/L	0.00
80) Chrysene - d12 (I)	12.17	240	1146645	1000.000 ul/l	0.00
86) Perylene - d12 (I)	13.78	264	1079704	1000.000 ug/L	0.00
System Monitoring Compounds					
4) 2 - Fluorophenol (S)	4.15	112	259051	1156.75 ug/L	0.00
8) Phenol - d5 (S)	5.13	99	305819	1213.28 ug/L	0.00
24) Nitrobenzene - d5 (S)	5.93	82	242649	1087.94 ug/L	0.00
44) 2 - Fluorobiphenyl (S)	7.46	172	630689	1008.01 ug/L	0.00
66) 2,4,6 - Tribromophenol (S)	8.67	330	106469	996.37 ug/L	0.00
79) p - Terphenyl - d14 (S)	11.00	244	700624	1065.26 ug/L	0.00
Target Compounds					Qvalue
5) Cyclohexanone	4.41	55	175047	997.645 ul/L	98
6) Benzaldehyde	5.03	105	216093	1067.078 ul/L	97
7) Aniline	5.14	93	316441	1188.109 ug/L	97
9) Phenol	5.14	94	328099	1220.802 ug/L	92
10) bis(2-Chloroethyl)ether	5.22	93	267977	1012.007 ug/L	100
11) 2-Chlorophenol	5.24	128	283355	1144.761 ug/L	99
12) Decane	5.31	57	262661	965.345 ul/L	100
13) 1,3-Dichlorobenzene	5.37	146	315939	1013.207 ug/L	99
14) 1,4-Dichlorobenzene	5.44	146	326475	1007.881 ug/L	99
15) Benzyl alcohol	5.58	79	184513	1117.641 ug/L	99
16) 1,2-Dichlorobenzene	5.58	146	312289	961.430 ug/L	99
17) 2-Methylphenol	5.69	108	233564	1162.336 ug/L	98
18) bis(2-chloroisopropyl)ethe	5.71	45	274861	958.375 ug/L	98
19) 3-&4-Methylphenol	5.83	108	496515	2223.713 ug/L	98
20) n-Nitroso-di-n-propylamine	5.82	70	150259m	997.304 ug/L	
22) Hexachloroethane	5.87	201	116595	938.398 ug/L	98
25) Nitrobenzene	5.95	77	235799	1091.703 ug/L	96
26) Isophorone	6.17	82	458655	1022.361 ug/L	95
27) 2-Nitrophenol	6.22	139	152483	1227.741 ug/L	96
28) 2,4-Dimethylphenol	6.28	107	216334	1089.011 ug/L	94
29) bis(2-Chloroethoxy)methane	6.36	93	302322	1084.313 ug/L	89
30) Benzoic Acid	6.40	105	818561	6224.300 ug/L	98
31) 2,4-Dichlorophenol	6.43	162	225319	1235.679 ug/L	99
32) 1,2,4-Trichlorobenzene	6.50	180	271742	976.625 ug/L	99
33) Naphthalene	6.56	128	823536	980.937 ug/L	98
34) 4-Chloroaniline	6.62	127	242307	1478.862 ug/L	98

(#) = qualifier out of range (m) = manual integration

008855

Quantitation Report (QT Reviewed)

Data File : H:\DATA\030105_A\AT03688.D
Acq On : 1 Mar 2005 7:24 am
Sample : 1281-1-6 1000 8270 ccal
Misc :
MS Integration Params: Rteint.p
Quant Time: Mar 01 07:48:44 2005

Vial: 3
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: 8270_022505.RES

Quant Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Feb 28 14:16:48 2005
Response via : Initial Calibration
DataAcq Meth : 8270

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
35)	Hexachlorobutadiene	6.67	225	156791	935.812	ug/L	99
36)	4-Chloro-3-methylphenol	7.03	107	204755	1057.943	ug/L	100
37)	2-Methylnaphthalene	7.14	141	463276	1041.505	ug/L	98
38)	1-Methylnaphthalene	7.22	141	464008	1001.198	ul/l	98
40)	Hexachlorocyclopentadiene	7.28	237	149754	924.159	ug/L	100
41)	2,3-Dichloroaniline	7.38	161	282182	1126.963	ul/L	99
42)	2,4,6-Trichlorophenol	7.38	196	167363	1229.799	ug/L	98
43)	2,4,5-Trichlorophenol	7.41	196	179655	1056.582	ug/L	94
45)	2-Chloronaphthalene	7.54	162	527596	1041.939	ug/L	97
46)	Biphenyl	7.54	154	691842	1064.288	ul/L	99
47)	2-Nitroaniline	7.64	138	164860	1114.992	ug/L	99
48)	Dimethylphthalate	7.80	163	580414	1065.857	ug/L	99
49)	Acenaphthylene	7.89	152	855198	1069.350	ug/L	100
50)	2,6-Dinitrotoluene	7.84	165	141337	1027.874	ug/L	92
51)	3-Nitroaniline	7.98	138	58385	3006.989	ug/L	81
52)	Acenaphthene	8.03	153	529535	1006.265	ug/L	99
53)	2,4-Dinitrophenol	8.07	184	384983	5822.365	ug/L	97
54)	4-Nitrophenol	8.13	139	481870	5801.988	ug/L	94
55)	Dibenzofuran	8.17	168	760378	1078.563	ug/L	100
56)	2,4-Dinitrotoluene	8.17	165	179861	1045.771	ug/L	91
57)	2,3,4,6-Tetrachlorophenol	8.24	232	150158	1055.117	ug/L	95
58)	2,3,5,6-Tetrachlorophenol	8.28	232	153453	1131.518	ul/l	96
59)	Diethylphthalate	8.39	149	572223	993.571	ug/L	96
60)	Fluorene	8.46	166	595895	1098.324	ug/L	98
61)	4-Chlorophenylphenylether	8.47	204	306895	1074.728	ug/L	96
62)	4-Nitroaniline	8.49	138	110050	1418.958	ug/L	97
64)	4,6-Dinitro-2-methylphenol	8.51	198	533266	4703.260	ug/L	98
65)	n-Nitrosodiphenylamine	8.58	169	422649	1046.242	ug/L	99
67)	Azobenzene	8.61	77	471226	1067.390	ug/L	98
68)	4-Bromophenylphenylether	8.90	248	187992	1025.458	ug/L	99
69)	Hexachlorobenzene	8.94	284	224133	942.639	ug/L	90
70)	Pentachlorophenol	9.13	266	121484	1239.645	ug/L	97
71)	Phenanthrene	9.33	178	880313	993.969	ug/L	100
72)	Anthracene	9.38	178	871012	1084.343	ug/L	100
73)	Octadecane	9.24	57	283909	1104.627	ul/L	99
74)	Carbazole	9.54	167	641895	1180.424	ug/L	100
75)	Di-n-butylphthalate	9.93	149	989002	1038.851	ug/L	99
76)	Fluoranthene	10.54	202	951618	1052.761	ug/L	97
77)	Pyrene	10.79	202	974082	1038.942	ug/L	98
78)	Benzidine	10.72	184	443919	3453.208	ul/l	97
81)	Butylbenzylphthalate	11.58	149	403204	1032.173	ug/L	98

(#) = qualifier out of range (m) = manual integration

008856

Quantitation Report (QT Reviewed)

Data File : H:\DATA\030105_A\AT03688.D
Acq On : 1 Mar 2005 7:24 am
Sample : 1281-1-6 1000 8270 ccal
Misc :
MS Integration Params: Rteint.p
Quant Time: Mar 01 07:48:44 2005

Vial: 3
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: 8270_022505.RES

Quant Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Feb 28 14:16:48 2005
Response via : Initial Calibration
DataAcq Meth : 8270

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
82)	Benzo(a)anthracene	12.15	228	908374	1090.526	ug/L	99
83)	3,3'-Dichlorobenzidine	12.15	252	274964	1174.750	ug/L	96
84)	Chrysene	12.19	228	834537	961.207	ug/L	99
85)	bis(2-Ethylhexyl)phthalate	12.29	149	582446	1082.650	ug/L	99
87)	Di-n-octylphthalate	13.03	149	985834	1178.277	ug/L	99
88)	Benzo(b)fluoranthene	13.34	252	904336	967.305	ul/l	99
89)	benzo(k)fluoranthene	13.37	252	900509	1086.646	ul/l	99
90)	Benzofluoranthenes	13.36	252	1813442	2160.296	ug/L	99
91)	Benzo(a)pyrene	13.71	252	825694	1147.242	ug/L	97
92)	Indeno(1,2,3-cd)pyrene	15.29	276	824251	1049.048	ug/L	99
93)	Dibenz(a,h)anthracene	15.35	278	837646	999.700	ug/L	97
94)	Benzo(g,h,i)perylene	15.66	276	888755	1105.636	ug/L	93

(#) = qualifier out of range (m) = manual integration

00857

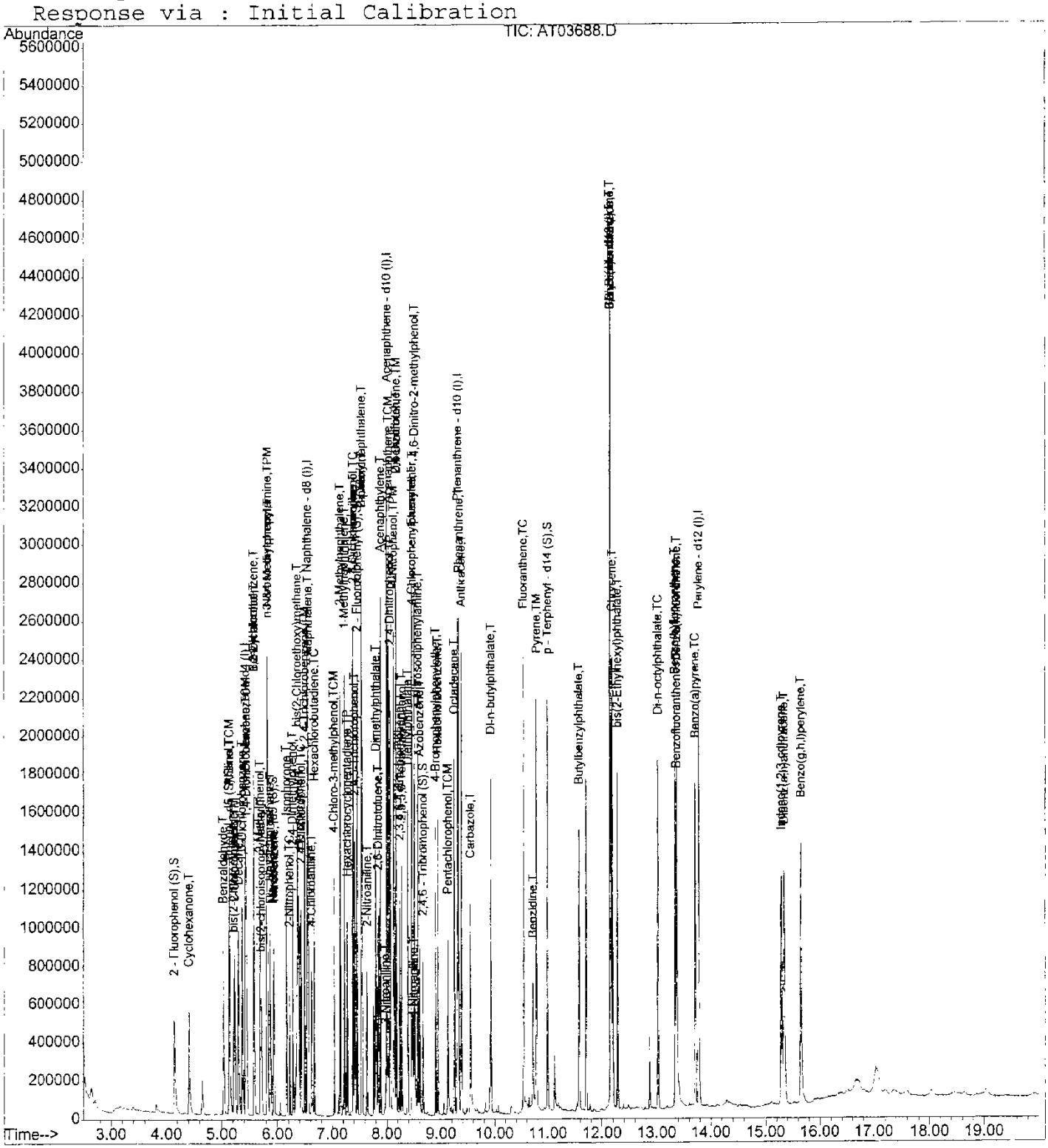
Quantitation Report (QT Reviewed)

Data File : H:\DATA\030105_A\AT03688.D
Acq On : 1 Mar 2005 7:24 am
Sample : 1281-1-6 1000 8270 ccal
Misc :
MS Integration Params: Rteint.p
Quant Time: Mar 1 7:52 2005

Vial: 3
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00

Quant Results File: 8270_022505.

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Feb 28 14:16:48 2005
Response via : Initial Calibration



85800

Evaluate Continuing Calibration Report

Data File : H:\DATA\030105_A\AT03688.D Vial: 3
Acq On : 1 Mar 2005 7:24 am Operator: RBF
Sample : 1281-1-6 1000 8270 ccal Inst : hp6890gcm
Misc : Multiplr: 1.00
MS Integration Params: Rteint.p

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Feb 28 14:16:48 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4 (I)	1.000	1.000	0.0	96	0.00
2	T	N-Nitrosodimethylamine	0.440	0.000	100.0#	0#	-2.58#
3	T	Pyridine	0.829	0.000	100.0#	0#	-2.55#
4	S	2 - Fluorophenol (S)	0.837	0.969	-15.8	100	0.00
5	T	Cyclohexanone	0.656	0.654	0.3	91	-0.06
6	T	Benzaldehyde	0.757	0.808	-6.7	95	-0.02
7	T	Aniline	0.941	1.183	-25.7#	106	0.00
8	S	Phenol - d5 (S)	0.942	1.143	-21.3#	101	0.00
9	TCM	Phenol	1.005	1.227	-22.1#	101	0.00
10	T	bis(2-Chloroethyl)ether	0.990	1.002	-1.2	92	0.00
11	TM	2-Chlorophenol	0.925	1.059	-14.5	97	-0.01
12	T	Decane	1.017	0.982	3.4	89	0.00
13	T	1,3-Dichlorobenzene	1.166	1.181	-1.3	91	0.00
14	TCM	1,4-Dichlorobenzene	1.211	1.221	-0.8	92	0.00
15	T	Benzyl alcohol	0.550	0.690	-25.5#	103	0.01
16	T	1,2-Dichlorobenzene	1.214	1.168	3.8	88	0.00
17	T	2-Methylphenol	0.751	0.873	-16.2	97	0.01
18	T	bis(2-chloroisopropyl)ether	1.072	1.028	4.1	89	0.02
19	T	3-&4-Methylphenol	0.722	0.928	-28.5#	100	0.03
20	TPM	n-Nitroso-di-n-propylamine	0.498	0.562	-12.9	92	0.02
21	T	Acetophenone	1.126	1.328	-17.9	96	0.02
22	T	Hexachloroethane	0.465	0.436	6.2	87	0.02
23	I	Naphthalene - d8 (I)	1.000	1.000	0.0	97	0.00
24	S	Nitrobenzene - d5 (S)	0.205	0.223	-8.8	95	0.00
25	T	Nitrobenzene	0.199	0.217	-9.0	95	-0.02
26	T	Isophorone	0.412	0.422	-2.4	90	0.00
27	TC	2-Nitrophenol	0.114	0.140	-22.8#	101	0.00
28	T	2,4-Dimethylphenol	0.159	0.199	-25.2#	104	0.00
29	T	bis(2-Chloroethoxy)methane	0.256	0.278	-8.6	98	0.00
30	T	Benzoic Acid	0.080	0.151	-88.8#	113	0.01
31	TC	2,4-Dichlorophenol	0.168	0.207	-23.2#	99	0.00
32	TM	1,2,4-Trichlorobenzene	0.256	0.250	2.3	91	0.00
33	T	Naphthalene	0.772	0.757	1.9	91	0.00
34	T	4-Chloroaniline	0.151	0.223	-47.7#	111	0.00
35	TC	Hexachlorobutadiene	0.154	0.144	6.5	87	0.00
36	TCM	4-Chloro-3-methylphenol	0.147	0.188	-27.9#	98	0.02
37	T	2-Methylnaphthalene	0.409	0.426	-4.2	93	0.02
38	T	1-Methylnaphthalene	0.426	0.427	-0.2	90	0.01
39	I	Acenaphthene - d10 (I)	1.000	1.000	0.0	96	0.00

(#) = Out of Range

008659

Evaluate Continuing Calibration Report

Data File : H:\DATA\030105_A\AT03688.D
Acq On : 1 Mar 2005 7:24 am
Sample : 1281-1-6 1000 8270 ccal
Misc :
MS Integration Params: Rteint.p

Vial: 3
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Feb 28 14:16:48 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
40	TP	Hexachlorocyclopentadiene	0.242	0.258	-6.6	89	-0.01
41	T	2,3-Dichloroaniline	0.432	0.487	-12.7	94	0.00
42	TC	2,4,6-Trichlorophenol	0.235	0.289	-23.0#	96	0.00
43	T	2,4,5-Trichlorophenol	0.247	0.310	-25.5#	98	0.00
44	S	2 - Fluorobiphenyl (S)	1.079	1.088	-0.8	93	0.00
45	T	2-Chloronaphthalene	0.873	0.910	-4.2	94	-0.01
46	T	Biphenyl	1.121	1.193	-6.4	95	0.00
47	T	2-Nitroaniline	0.198	0.284	-43.4#	102	0.00
48	T	Dimethylphthalate	0.939	1.001	-6.6	94	0.00
49	T	Acenaphthylene	1.379	1.475	-7.0	93	0.00
50	T	2,6-Dinitrotoluene	0.208	0.244	-17.3	94	0.00
51	T	3-Nitroaniline	0.054	0.101	-87.0#	106	0.00
52	TCM	Acenaphthene	0.907	0.913	-0.7	92	0.00
53	TP	2,4-Dinitrophenol	0.077	0.133	-72.7#	102	0.00
54	TPM	4-Nitrophenol	0.116	0.166	-43.1#	109	0.00
55	T	Dibenzofuran	1.216	1.311	-7.8	97	0.00
56	TM	2,4-Dinitrotoluene	0.253	0.310	-22.5#	93	0.00
57	T	2,3,4,6-Tetrachlorophenol	0.216	0.259	-19.9	96	0.00
58	T	2,3,5,6-Tetrachlorophenol	0.234	0.265	-13.2	94	0.00
59	T	Diethylphthalate	0.993	0.987	0.6	91	0.01
60	T	Fluorene	0.936	1.028	-9.8	93	0.00
61	T	4-Chlorophenylphenylether	0.492	0.529	-7.5	96	0.00
62	T	4-Nitroaniline	0.134	0.190	-41.8#	143	0.00
63	I	Phenanthrene - d10 (I)	1.000	1.000	0.0	98	0.00
64	T	4,6-Dinitro-2-methylphenol	0.086	0.098	-14.0	89	0.00
65	T	n-Nitrosodiphenylamine	0.338	0.389	-15.1	95	0.00
66	S	2,4,6 - Tribromophenol (S)	0.085	0.098	-15.3	95	0.00
67	T	Azobenzene	0.406	0.434	-6.9	97	0.00
68	T	4-Bromophenylphenylether	0.169	0.173	-2.4	97	0.00
69	T	Hexachlorobenzene	0.219	0.206	5.9	90	0.00
70	TCM	Pentachlorophenol	0.090	0.112	-24.4#	102	0.00
71	T	Phenanthrene	0.815	0.810	0.6	93	0.00
72	T	Anthracene	0.739	0.802	-8.5	94	0.00
73	T	Octadecane	0.237	0.261	-10.1	95	0.00
74	T	Carbazole	0.501	0.591	-18.0	108	0.00
75	T	Di-n-butylphthalate	0.876	0.910	-3.9	94	0.00
76	TC	Fluoranthene	0.832	0.876	-5.3	91	0.00
77	TM	Pyrene	0.863	0.897	-3.9	92	0.00
78	T	Benzidine	0.118	0.000	100.0#	128	0.00
79	S	p - Terphenyl - d14 (S)	0.605	0.645	-6.6	95	0.00

(#) = Out of Range

009800

Evaluate Continuing Calibration Report

Data File : H:\DATA\030105_A\AT03688.D
Acq On : 1 Mar 2005 7:24 am
Sample : 1281-1-6 1000 8270 ccal
Misc :
MS Integration Params: Rteint.p

Vial: 3
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Feb 28 14:16:48 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
80	I	Chrysene - d12 (I)	1.000	1.000	0.0	95	0.00
81	T	Butylbenzylphthalate	0.320	0.352	-10.0	96	0.00
82	T	Benzo(a)anthracene	0.726	0.792	-9.1	94	0.00
83	T	3,3'-Dichlorobenzidine	0.177	0.240	-35.6#	95	0.00
84	T	Chrysene	0.757	0.728	3.8	89	0.00
85	T	bis(2-Ethylhexyl)phthalate	0.469	0.508	-8.3	95	0.00
86	I	Perylene - d12 (I)	1.000	1.000	0.0	97	0.00
87	TC	Di-n-octylphthalate	0.775	0.913	-17.8	101	0.08
88	T	Benzo(b)fluoranthene	0.754	0.838	-11.1	94	0.00
89	T	benzo(k)fluoranthene	0.768	0.834	-8.6	89	0.00
90	T	Benzofluoranthenes	0.777	0.840	-8.1	91	0.00
91	TC	Benzo(a)pyrene	0.667	0.765	-14.7	93	0.00
92	T	Indeno(1,2,3-cd)pyrene	0.582	0.763	-31.1#	99	0.00
93	T	Dibenz(a,h)anthracene	0.676	0.776	-14.8	96	0.00
94	T	Benzo(g,h,i)perylene	0.745	0.823	-10.5	94	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

198801

Evaluate Continuing Calibration Report

Data File : H:\DATA\030105_A\AT03688.D Vial: 3
Acq On : 1 Mar 2005 7:24 am Operator: RBF
Sample : 1281-1-6 1000 8270 ccal Inst : hp6890gcm
Misc : Multiplr: 1.00
MS Integration Params: Rteint.p

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Feb 28 14:16:48 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4 (I)	1000.000	1000.000	0.0	96	0.00
2	T	N-Nitrosodimethylamine	5000.000	0.000	100.0#	0	-2.58#
3	T	Pyridine	5000.000	0.000	100.0#	0	-2.55#
4	S	2 - Fluorophenol (S)	1000.000	1156.748	-15.7	100	0.00
5	T	Cyclohexanone	1000.000	997.645	0.2	91	-0.06
6	T	Benzaldehyde	1000.000	1067.078	-6.7	95	-0.02
7	T	Aniline	1000.000	1188.109	-18.8	106	0.00
8	S	Phenol - d5 (S)	1000.000	1213.276	-21.3#	101	0.00
9	TCM	Phenol	1000.000	1220.802	-22.1#	101	0.00
10	T	bis(2-Chloroethyl)ether	1000.000	1012.007	-1.2	92	0.00
11	TM	2-Chlorophenol	1000.000	1144.761	-14.5	97	-0.01
12	T	Decane	1000.000	965.345	3.5	89	0.00
13	T	1,3-Dichlorobenzene	1000.000	1013.207	-1.3	91	0.00
14	TCM	1,4-Dichlorobenzene	1000.000	1007.881	-0.8	92	0.00
15	T	Benzyl alcohol	1000.000	1117.641	-11.8	103	0.01
16	T	1,2-Dichlorobenzene	1000.000	961.430	3.9	88	0.00
17	T	2-Methylphenol	1000.000	1162.336	-16.2	97	0.01
18	T	bis(2-chloroisopropyl)ether	1000.000	958.375	4.2	89	0.02
19	T	3-&4-Methylphenol	2000.000	2223.713	-11.2	100	0.03
20	TPM	n-Nitroso-di-n-propylamine	1000.000	997.304	0.3	92	0.02
21	T	Acetophenone	1000.000	1059.408	-5.9	96	0.02
22	T	Hexachloroethane	1000.000	938.398	6.2	87	0.02
23	I	Naphthalene - d8 (I)	1000.000	1000.000	0.0	97	0.00
24	S	Nitrobenzene - d5 (S)	1000.000	1087.940	-8.8	95	0.00
25	T	Nitrobenzene	1000.000	1091.703	-9.2	95	-0.02
26	T	Isophorone	1000.000	1022.361	-2.2	90	0.00
27	TC	2-Nitrophenol	1000.000	1227.741	-22.8#	101	0.00
28	T	2,4-Dimethylphenol	1000.000	1089.011	-8.9	104	0.00
29	T	bis(2-Chloroethoxy)methane	1000.000	1084.313	-8.4	98	0.00
30	T	Benzoic Acid	5000.000	6224.300	-24.5#	113	0.01
31	TC	2,4-Dichlorophenol	1000.000	1235.679	-23.6#	99	0.00
32	TM	1,2,4-Trichlorobenzene	1000.000	976.625	2.3	91	0.00
33	T	Naphthalene	1000.000	980.937	1.9	91	0.00
34	T	4-Chloroaniline	1000.000	1478.862	-47.9#	111	0.00
35	TC	Hexachlorobutadiene	1000.000	935.812	6.4	87	0.00
36	TCM	4-Chloro-3-methylphenol	1000.000	1057.943	-5.8	98	0.02
37	T	2-Methylnaphthalene	1000.000	1041.505	-4.2	93	0.02
38	T	1-Methylnaphthalene	1000.000	1001.198	-0.1	90	0.01
39	I	Acenaphthene - d10 (I)	1000.000	1000.000	0.0	96	0.00

(#) = Out of Range

00862

Evaluate Continuing Calibration Report

Data File : H:\DATA\030105_A\AT03688.D
Acq On : 1 Mar 2005 7:24 am
Sample : 1281-1-6 1000 8270 ccal
Misc :
MS Integration Params: Rteint.p

Vial: 3
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Feb 28 14:16:48 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
40	TP	Hexachlorocyclopentadiene	1000.000	924.159	7.6	89	-0.01
41	T	2,3-Dichloroaniline	1000.000	1126.963	-12.7	94	0.00
42	TC	2,4,6-Trichlorophenol	1000.000	1229.799	-23.0#	96	0.00
43	T	2,4,5-Trichlorophenol	1000.000	1056.582	-5.7	98	0.00
44	S	2 - Fluorobiphenyl (S)	1000.000	1008.006	-0.8	93	0.00
45	T	2-Chloronaphthalene	1000.000	1041.939	-4.2	94	-0.01
46	T	Biphenyl	1000.000	1064.288	-6.4	95	0.00
47	T	2-Nitroaniline	1000.000	1114.992	-11.5	102	0.00
48	T	Dimethylphthalate	1000.000	1065.857	-6.6	94	0.00
49	T	Acenaphthylene	1000.000	1069.350	-6.9	93	0.00
50	T	2,6-Dinitrotoluene	1000.000	1027.874	-2.8	94	0.00
51	T	3-Nitroaniline	1000.000	3006.989	-200.7#	106	0.00
52	TCM	Acenaphthene	1000.000	1006.265	-0.6	92	0.00
53	TP	2,4-Dinitrophenol	5000.000	5822.365	-16.4	102	0.00
54	TPM	4-Nitrophenol	5000.000	5801.988	-16.0	109	0.00
55	T	Dibenzofuran	1000.000	1078.563	-7.9	97	0.00
56	TM	2,4-Dinitrotoluene	1000.000	1045.771	-4.6	93	0.00
57	T	2,3,4,6-Tetrachlorophenol	1000.000	1055.117	-5.5	96	0.00
58	T	2,3,5,6-Tetrachlorophenol	1000.000	1131.518	-13.2	94	0.00
59	T	Diethylphthalate	1000.000	993.571	0.6	91	0.01
60	T	Fluorene	1000.000	1098.324	-9.8	93	0.00
61	T	4-Chlorophenylphenylether	1000.000	1074.728	-7.5	96	0.00
62	T	4-Nitroaniline	1000.000	1418.958	-41.9#	143	0.00
63	I	Phenanthrene - d10 (I)	1000.000	1000.000	0.0	98	0.00
64	T	4,6-Dinitro-2-methylphenol	5000.000	4703.260	5.9	89	0.00
65	T	n-Nitrosodiphenylamine	1000.000	1046.242	-4.6	95	0.00
66	S	2,4,6 - Tribromophenol (S)	1000.000	996.372	0.4	95	0.00
67	T	Azobenzene	1000.000	1067.390	-6.7	97	0.00
68	T	4-Bromophenylphenylether	1000.000	1025.458	-2.5	97	0.00
69	T	Hexachlorobenzene	1000.000	942.639	5.7	90	0.00
70	TCM	Pentachlorophenol	1000.000	1239.645	-24.0#	102	0.00
71	T	Phenanthrene	1000.000	993.969	0.6	93	0.00
72	T	Anthracene	1000.000	1084.343	-8.4	94	0.00
73	T	Octadecane	1000.000	1104.627	-10.5	95	0.00
74	T	Carbazole	1000.000	1180.424	-18.0	108	0.00
75	T	Di-n-butylphthalate	1000.000	1038.851	-3.9	94	0.00
76	TC	Fluoranthene	1000.000	1052.761	-5.3	91	0.00
77	TM	Pyrene	1000.000	1038.942	-3.9	92	0.00
78	T	Benzidine	-1.000	3453.208	0.0	128	0.00
79	S	p - Terphenyl - d14 (S)	1000.000	1065.256	-6.5	95	0.00

(#) = Out of Range

00863

Evaluate Continuing Calibration Report

Data File : H:\DATA\030105_A\AT03688.D
Acq On : 1 Mar 2005 7:24 am
Sample : 1281-1-6 1000 8270 ccal
Misc :
MS Integration Params: Rteint.p

Vial: 3
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Feb 28 14:16:48 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
80	I	Chrysene - d12 (I)	1000.000	1000.000	0.0	95	0.00
81	T	Butylbenzylphthalate	1000.000	1032.173	-3.2	96	0.00
82	T	Benzo(a)anthracene	1000.000	1090.526	-9.1	94	0.00
83	T	3,3'-Dichlorobenzidine	1000.000	1174.750	-17.5	95	0.00
84	T	Chrysene	1000.000	961.207	3.9	89	0.00
85	T	bis(2-Ethylhexyl)phthalate	1000.000	1082.650	-8.3	95	0.00
86	I	Perylene - d12 (I)	1000.000	1000.000	0.0	97	0.00
87	TC	Di-n-octylphthalate	1000.000	1178.277	-17.8	101	0.08
88	T	Benzo(b)fluoranthene	1000.000	967.305	3.3	94	0.00
89	T	benzo(k)fluoranthene	1000.000	1086.646	-8.7	89	0.00
90	T	Benzofluoranthenes	2000.000	2160.296	-8.0	91	0.00
91	TC	Benzo(a)pyrene	1000.000	1147.242	-14.7	93	0.00
92	T	Indeno(1,2,3-cd)pyrene	1000.000	1049.048	-4.9	99	0.00
93	T	Dibenz(a,h)anthracene	1000.000	999.700	0.0	96	0.00
94	T	Benzo(g,h,i)perylene	1000.000	1105.636	-10.6	94	0.00

Evaluate Continuing Calibration Report

Data File : H:\DATA\030105_A\AT03689.D
Acq On : 1 Mar 2005 8:08 am
Sample : 1281-1-~~10~~ 1000 8270 ~~ccs~~ ccal
Misc : C
MS Integration Params: Rteint.p

Vial: 3
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Feb 28 14:16:48 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4 (I)	1.000	1.000	0.0	97	0.00
2	T	N-Nitrosodimethylamine	0.440	0.000	100.0#	0#	-2.58#
3	T	Pyridine	0.829	0.000	100.0#	0#	-2.55#
4	S	2 - Fluorophenol (S)	0.837	0.946	-13.0	99	0.00
5	T	Cyclohexanone	0.656	0.626	4.6	88	-0.06
6	T	Benzaldehyde	0.757	0.777	-2.6	92	-0.02
7	T	Aniline	0.941	1.185	-25.9#	107	0.00
8	S	Phenol - d5 (S)	0.942	1.119	-18.8	100	0.00
9	TCM	Phenol	1.005	1.201	-19.5	100	-0.01
10	T	bis(2-Chloroethyl)ether	0.990	0.974	1.6	91	0.00
11	TM	2-Chlorophenol	0.925	1.032	-11.6	96	-0.01
12	T	Decane	1.017	0.964	5.2	88	0.00
13	T	1,3-Dichlorobenzene	1.166	1.141	2.1	89	0.00
14	TCM	1,4-Dichlorobenzene	1.211	1.194	1.4	92	0.00
15	T	Benzyl alcohol	0.550	0.669	-21.6#	101	0.01
16	T	1,2-Dichlorobenzene	1.214	1.148	5.4	88	0.00
17	T	2-Methylphenol	0.751	0.861	-14.6	97	0.02
18	T	bis(2-chloroisopropyl)ether	1.072	1.005	6.3	88	0.01
19	T	3-&4-Methylphenol	0.722	0.899	-24.5#	98	0.03
20	TPM	n-Nitroso-di-n-propylamine	0.498	0.484	2.8	80	0.02
21	T	Acetophenone	1.126	1.313	-16.6	96	0.02
22	T	Hexachloroethane	0.465	0.422	9.2	86	0.02
23	I	Naphthalene - d8 (I)	1.000	1.000	0.0	96	0.00
24	S	Nitrobenzene - d5 (S)	0.205	0.222	-8.3	94	0.00
25	T	Nitrobenzene	0.199	0.214	-7.5	93	-0.02
26	T	Isophorone	0.412	0.427	-3.6	91	0.00
27	TC	2-Nitrophenol	0.114	0.137	-20.2#	98	0.00
28	T	2,4-Dimethylphenol	0.159	0.198	-24.5#	103	0.00
29	T	bis(2-Chloroethoxy)methane	0.256	0.279	-9.0	98	0.00
30	T	Benzoic Acid	0.080	0.147	-83.7#	109	0.00
31	TC	2,4-Dichlorophenol	0.168	0.203	-20.8#	96	0.00
32	TM	1,2,4-Trichlorobenzene	0.256	0.247	3.5	90	0.00
33	T	Naphthalene	0.772	0.768	0.5	92	0.00
34	T	4-Chloroaniline	0.151	0.212	-40.4#	105	0.00
35	TC	Hexachlorobutadiene	0.154	0.145	5.8	87	0.00
36	TCM	4-Chloro-3-methylphenol	0.147	0.186	-26.5#	96	0.03
37	T	2-Methylnaphthalene	0.409	0.429	-4.9	93	0.02
38	T	1-Methylnaphthalene	0.426	0.421	1.2	89	0.01
39	I	Acenaphthene - d10 (I)	1.000	1.000	0.0	95	0.00

(#) = Out of Range

00865

Evaluate Continuing Calibration Report

Data File : H:\DATA\030105_A\AT03689.D
Acq On : 1 Mar 2005 8:08 am
Sample : 1281-1-~~10~~ 6 1000 8270 ~~oc~~ cal
Misc :
MS Integration Params: Rteint.p

Vial: 3
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Feb 28 14:16:48 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
40	TP	Hexachlorocyclopentadiene	0.242	0.249	-2.9	85	-0.01
41	T	2,3-Dichloroaniline	0.432	0.478	-10.6	92	0.00
42	TC	2,4,6-Trichlorophenol	0.235	0.296	-26.0#	98	0.00
43	T	2,4,5-Trichlorophenol	0.247	0.305	-23.5#	96	0.00
44	S	2 - Fluorobiphenyl (S)	1.079	1.101	-2.0	93	0.00
45	T	2-Chloronaphthalene	0.873	0.907	-3.9	92	0.00
46	T	Biphenyl	1.121	1.194	-6.5	94	0.00
47	T	2-Nitroaniline	0.198	0.285	-43.9#	101	0.00
48	T	Dimethylphthalate	0.939	1.006	-7.1	93	0.00
49	T	Acenaphthylene	1.379	1.490	-8.0	92	0.00
50	T	2,6-Dinitrotoluene	0.208	0.238	-14.4	91	0.00
51	T	3-Nitroaniline	0.054	0.084	-55.6#	87	0.00
52	TCM	Acenaphthene	0.907	0.914	-0.8	91	0.00
53	TP	2,4-Dinitrophenol	0.077	0.126	-63.6#	96	0.00
54	TPM	4-Nitrophenol	0.116	0.162	-39.7#	105	0.01
55	T	Dibenzofuran	1.216	1.293	-6.3	94	0.00
56	TM	2,4-Dinitrotoluene	0.253	0.312	-23.3#	93	0.00
57	T	2,3,4,6-Tetrachlorophenol	0.216	0.249	-15.3	92	0.00
58	T	2,3,5,6-Tetrachlorophenol	0.234	0.253	-8.1	89	0.00
59	T	Diethylphthalate	0.993	0.987	0.6	90	0.01
60	T	Fluorene	0.936	1.022	-9.2	92	0.00
61	T	4-Chlorophenylphenylether	0.492	0.521	-5.9	94	0.00
62	T	4-Nitroaniline	0.134	0.142	-6.0	106	0.00
63	I	Phenanthrene - d10 (I)	1.000	1.000	0.0	94	0.00
64	T	4,6-Dinitro-2-methylphenol	0.086	0.099	-15.1	87	0.00
65	T	n-Nitrosodiphenylamine	0.338	0.390	-15.4	92	0.00
66	S	2,4,6 - Tribromophenol (S)	0.085	0.097	-14.1	90	0.00
67	T	Azobenzene	0.406	0.439	-8.1	95	0.00
68	T	4-Bromophenylphenylether	0.169	0.174	-3.0	94	0.00
69	T	Hexachlorobenzene	0.219	0.208	5.0	88	0.00
70	TCM	Pentachlorophenol	0.090	0.104	-15.6	92	0.00
71	T	Phenanthrene	0.815	0.813	0.2	91	0.00
72	T	Anthracene	0.739	0.804	-8.8	92	0.00
73	T	Octadecane	0.237	0.270	-13.9	95	0.00
74	T	Carbazole	0.501	0.530	-5.8	94	0.00
75	T	Di-n-butylphthalate	0.876	0.911	-4.0	91	0.00
76	TC	Fluoranthene	0.832	0.880	-5.8	88	0.00
77	TM	Pyrene	0.863	0.891	-3.2	88	0.00
78	T	Benzidine	0.118	0.000	100.0#	116	0.00
79	S	p - Terphenyl - d14 (S)	0.605	0.651	-7.6	92	0.00

(#) = Out of Range

000866

Evaluate Continuing Calibration Report

Data File : H:\DATA\030105_A\AT03689.D Vial: 3
Acq On : 1 Mar 2005 8:08 am Operator: RBF
Sample : 1281-1-10 1000 8270 ocs Inst : hp6890gcm
Misc : Multiplr: 1.00
MS Integration Params: Rteint.p

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Feb 28 14:16:48 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
80	I	Chrysene - d12 (I)	1.000	1.000	0.0	94	0.00
81	T	Butylbenzylphthalate	0.320	0.342	-6.9	92	0.00
82	T	Benzo(a)anthracene	0.726	0.780	-7.4	91	0.00
83	T	3,3'-Dichlorobenzidine	0.177	0.241	-36.2#	94	0.00
84	T	Chrysene	0.757	0.728	3.8	88	0.00
85	T	bis(2-Ethylhexyl)phthalate	0.469	0.505	-7.7	93	0.00
86	I	Perylene - d12 (I)	1.000	1.000	0.0	95	0.00
87	TC	Di-n-octylphthalate	0.775	0.909	-17.3	98	0.08
88	T	Benzo(b)fluoranthene	0.754	0.867	-15.0	95	0.00
89	T	benzo(k)fluoranthene	0.768	0.805	-4.8	84	0.00
90	T	Benzofluoranthenes	0.777	0.840	-8.1	89	0.00
91	TC	Benzo(a)pyrene	0.667	0.769	-15.3	91	0.00
92	T	Indeno(1,2,3-cd)pyrene	0.582	0.771	-32.5#	97	0.00
93	T	Dibenz(a,h)anthracene	0.676	0.775	-14.6	94	0.00
94	T	Benzo(g,h,i)perylene	0.745	0.822	-10.3	92	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 4

00867

Evaluate Continuing Calibration Report

Data File : H:\DATA\030105_A\AT03689.D
Acq On : 1 Mar 2005 8:08 am
Sample : 1281-1-10 1000 8270 ocs
Misc :
MS Integration Params: Rteint.p

Vial: 3
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Feb 28 14:16:48 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4 (I)	1000.000	1000.000	0.0	97	0.00
2	T	N-Nitrosodimethylamine	5000.000	0.000	100.0#	0	-2.58#
3	T	Pyridine	5000.000	0.000	100.0#	0	-2.55#
4	S	2 - Fluorophenol (S)	1000.000	1129.414	-12.9	99	0.00
5	T	Cyclohexanone	1000.000	953.615	4.6	88	-0.06
6	T	Benzaldehyde	1000.000	1025.780	-2.6	92	-0.02
7	T	Aniline	1000.000	1190.308	-19.0	107	0.00
8	S	Phenol - d5 (S)	1000.000	1187.615	-18.8	100	0.00
9	TCM	Phenol	1000.000	1195.158	-19.5	100	-0.01
10	T	bis(2-Chloroethyl)ether	1000.000	984.237	1.6	91	0.00
11	TM	2-Chlorophenol	1000.000	1115.291	-11.5	96	-0.01
12	T	Decane	1000.000	947.197	5.3	88	0.00
13	T	1,3-Dichlorobenzene	1000.000	978.412	2.2	89	0.00
14	TCM	1,4-Dichlorobenzene	1000.000	986.233	1.4	92	0.00
15	T	Benzyl alcohol	1000.000	1084.384	-8.4	101	0.01
16	T	1,2-Dichlorobenzene	1000.000	944.994	5.5	88	0.00
17	T	2-Methylphenol	1000.000	1145.658	-14.6	97	0.02
18	T	bis(2-chloroisopropyl)ether	1000.000	937.596	6.2	88	0.01
19	T	3-&4-Methylphenol	2000.000	2154.022	-7.7	98	0.03
20	TPM	n-Nitroso-di-n-propylamine	1000.000	862.555	13.7	80	0.02
21	T	Acetophenone	1000.000	1048.199	-4.8	96	0.02
22	T	Hexachloroethane	1000.000	907.599	9.2	86	0.02
23	I	Naphthalene - d8 (I)	1000.000	1000.000	0.0	96	0.00
24	S	Nitrobenzene - d5 (S)	1000.000	1081.204	-8.1	94	0.00
25	T	Nitrobenzene	1000.000	1076.382	-7.6	93	-0.02
26	T	Isophorone	1000.000	1036.221	-3.6	91	0.00
27	TC	2-Nitrophenol	1000.000	1197.534	-19.8	98	0.00
28	T	2,4-Dimethylphenol	1000.000	1083.548	-8.4	103	0.00
29	T	bis(2-Chloroethoxy)methane	1000.000	1086.738	-8.7	98	0.00
30	T	Benzoic Acid	5000.000	6103.325	-22.1#	109	0.00
31	TC	2,4-Dichlorophenol	1000.000	1211.025	-21.1#	96	0.00
32	TM	1,2,4-Trichlorobenzene	1000.000	965.585	3.4	90	0.00
33	T	Naphthalene	1000.000	994.542	0.5	92	0.00
34	T	4-Chloroaniline	1000.000	1406.927	-40.7#	105	0.00
35	TC	Hexachlorobutadiene	1000.000	940.529	5.9	87	0.00
36	TCM	4-Chloro-3-methylphenol	1000.000	1043.163	-4.3	96	0.03
37	T	2-Methylnaphthalene	1000.000	1049.531	-5.0	93	0.02
38	T	1-Methylnaphthalene	1000.000	988.589	1.1	89	0.01
39	I	Acenaphthene - d10 (I)	1000.000	1000.000	0.0	95	0.00

(#) = Out of Range

000868

Evaluate Continuing Calibration Report

Data File : H:\DATA\030105_A\AT03689.D Vial: 3
Acq On : 1 Mar 2005 8:08 am Operator: RBF
Sample : 1281-1-10 1000 8270 ocs Inst : hp6890gcm
Misc : Multiplr: 1.00
MS Integration Params: Rteint.p

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Feb 28 14:16:48 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
40	TP	Hexachlorocyclopentadiene	1000.000	893.116	10.7	85	-0.01
41	T	2,3-Dichloroaniline	1000.000	1107.295	-10.7	92	0.00
42	TC	2,4,6-Trichlorophenol	1000.000	1260.224	-26.0#	98	0.00
43	T	2,4,5-Trichlorophenol	1000.000	1039.973	-4.0	96	0.00
44	S	2 - Fluorobiphenyl (S)	1000.000	1020.589	-2.1	93	0.00
45	T	2-Chloronaphthalene	1000.000	1038.802	-3.9	92	0.00
46	T	Biphenyl	1000.000	1065.491	-6.5	94	0.00
47	T	2-Nitroaniline	1000.000	1117.714	-11.8	101	0.00
48	T	Dimethylphthalate	1000.000	1071.457	-7.1	93	0.00
49	T	Acenaphthylene	1000.000	1080.352	-8.0	92	0.00
50	T	2,6-Dinitrotoluene	1000.000	1004.409	-0.4	91	0.00
51	T	3-Nitroaniline	1000.000	2415.018	-141.5#	87	0.00
52	TCM	Acenaphthene	1000.000	1006.697	-0.7	91	0.00
53	TP	2,4-Dinitrophenol	5000.000	5569.243	-11.4	96	0.00
54	TPM	4-Nitrophenol	5000.000	5676.106	-13.5	105	0.01
55	T	Dibenzofuran	1000.000	1063.853	-6.4	94	0.00
56	TM	2,4-Dinitrotoluene	1000.000	1050.846	-5.1	93	0.00
57	T	2,3,4,6-Tetrachlorophenol	1000.000	1017.228	-1.7	92	0.00
58	T	2,3,5,6-Tetrachlorophenol	1000.000	1080.347	-8.0	89	0.00
59	T	Diethylphthalate	1000.000	994.211	0.6	90	0.01
60	T	Fluorene	1000.000	1092.134	-9.2	92	0.00
61	T	4-Chlorophenylphenylether	1000.000	1059.002	-5.9	94	0.00
62	T	4-Nitroaniline	1000.000	1060.143	-6.0	106	0.00
63	I	Phenanthrene - d10 (I)	1000.000	1000.000	0.0	94	0.00
64	T	4,6-Dinitro-2-methylphenol	5000.000	4741.539	5.2	87	0.00
65	T	n-Nitrosodiphenylamine	1000.000	1049.221	-4.9	92	0.00
66	S	2,4,6 - Tribromophenol (S)	1000.000	984.177	1.6	90	0.00
67	T	Azobenzene	1000.000	1079.628	-8.0	95	0.00
68	T	4-Bromophenylphenylether	1000.000	1031.363	-3.1	94	0.00
69	T	Hexachlorobenzene	1000.000	951.501	4.8	88	0.00
70	TCM	Pentachlorophenol	1000.000	1157.750	-15.8	92	0.00
71	T	Phenanthrene	1000.000	996.580	0.3	91	0.00
72	T	Anthracene	1000.000	1087.244	-8.7	92	0.00
73	T	Octadecane	1000.000	1142.165	-14.2	95	0.00
74	T	Carbazole	1000.000	1058.149	-5.8	94	0.00
75	T	Di-n-butylphthalate	1000.000	1039.488	-3.9	91	0.00
76	TC	Fluoranthene	1000.000	1057.369	-5.7	88	0.00
77	TM	Pyrene	1000.000	1032.244	-3.2	88	0.00
78	T	Benzidine	-1.000	3233.702	0.0	116	0.00
79	S	p - Terphenyl - d14 (S)	1000.000	1075.409	-7.5	92	0.00

(#) = Out of Range

698800

Evaluate Continuing Calibration Report

Data File : H:\DATA\030105_A\AT03689.D
Acq On : 1 Mar 2005 8:08 am
Sample : 1281-1-10 1000 8270 ocs
Misc :
MS Integration Params: Rteint.p

Vial: 3
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Feb 28 14:16:48 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
80	I	Chrysene - d12 (I)	1000.000	1000.000	0.0	94	0.00
81	T	Butylbenzylphthalate	1000.000	1005.654	-0.6	92	0.00
82	T	Benzo(a)anthracene	1000.000	1074.226	-7.4	91	0.00
83	T	3,3'-Dichlorobenzidine	1000.000	1179.991	-18.0	94	0.00
84	T	Chrysene	1000.000	961.121	3.9	88	0.00
85	T	bis(2-Ethylhexyl)phthalate	1000.000	1075.481	-7.5	93	0.00
86	I	Perylene - d12 (I)	1000.000	1000.000	0.0	95	0.00
87	TC	Di-n-octylphthalate	1000.000	1172.454	-17.2	98	0.08
88	T	Benzo(b)fluoranthene	1000.000	1001.380	-0.1	95	0.00
89	T	benzo(k)fluoranthene	1000.000	1048.801	-4.9	84	0.00
90	T	Benzofluoranthenes	2000.000	2160.816	-8.0	89	0.00
91	TC	Benzo(a)pyrene	1000.000	1153.138	-15.3	91	0.00
92	T	Indeno(1,2,3-cd)pyrene	1000.000	1059.120	-5.9	97	0.00
93	T	Dibenz(a,h)anthracene	1000.000	998.455	0.2	94	0.00
94	T	Benzo(g,h,i)perylene	1000.000	1103.601	-10.4	92	0.00

Quantitation Report (Not Reviewed)

Data File : H:\DATA\030105_A\AT03689.D
Acq On : 1 Mar 2005 8:08 am
Sample : 1281 ~~1 10~~ 1000 8270 ~~ccs~~ ccc1
Misc : 1-6 RH 3/2/05
MS Integration Params: Rteint.p
Quant Time: Mar 01 08:32:58 2005

Vial: 3
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: 8270_022505.RES

Quant Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Feb 28 14:16:48 2005
Response via : Initial Calibration
DataAcq Meth : 8270

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4 (I)	5.43	152	271285	1000.000	ug/L	0.00
23) Naphthalene - d8 (I)	6.55	136	1081029	1000.000	ug/L	0.00
39) Acenaphthene - d10 (I)	8.00	162	573170	1000.000	ug/L	0.00
63) Phenanthrene - d10 (I)	9.31	188	1051595	1000.000	ug/L	0.00
80) Chrysene - d12 (I)	12.17	240	1134611	1000.000	ul/l	0.00
86) Perylene - d12 (I)	13.78	264	1056458	1000.000	ug/L	0.00
System Monitoring Compounds						
4) 2 - Fluorophenol (S)	4.14	112	256540	1129.41	ug/L	0.00
8) Phenol - d5 (S)	5.13	99	303624	1187.62	ug/L	0.00
24) Nitrobenzene - d5 (S)	5.93	82	239651	1081.20	ug/L	0.00
44) 2 - Fluorobiphenyl (S)	7.46	172	631173	1020.59	ug/L	0.00
66) 2,4,6 - Tribromophenol (S)	8.67	330	101767	984.18	ug/L	0.00
79) p - Terphenyl - d14 (S)	11.00	244	684701	1075.41	ug/L	0.00
Target Compounds						Qvalue
5) Cyclohexanone	4.41	55	169710	953.615	ul/L	98
6) Benzaldehyde	5.04	105	210695	1025.780	ul/L	100
7) Aniline	5.15	93	321564	1190.308	ug/L	91
9) Phenol	5.14	94	325792	1195.158	ug/L	90
10) bis(2-Chloroethyl)ether	5.22	93	264344	984.237	ug/L	100
11) 2-Chlorophenol	5.24	128	280001	1115.291	ug/L	97
12) Decane	5.31	57	261402	947.197	ul/L	99
13) 1,3-Dichlorobenzene	5.37	146	309444	978.412	ug/L	99
14) 1,4-Dichlorobenzene	5.44	146	324023	986.233	ug/L	98
15) Benzyl alcohol	5.58	79	181461	1084.384	ug/L	98
16) 1,2-Dichlorobenzene	5.58	146	311332	944.994	ug/L	99
17) 2-Methylphenol	5.69	108	233499	1145.658	ug/L	98
18) bis(2-chloroisopropyl)ethe	5.71	45	272740	937.596	ug/L	98
19) 3-&4-Methylphenol	5.83	108	487632	2154.022	ug/L	99
20) n-Nitroso-di-n-propylamine	5.82	70	131288	862.555	ug/L	89
22) Hexachloroethane	5.87	201	114378	907.599	ug/L	98
25) Nitrobenzene	5.95	77	231048	1076.382	ug/L	95
26) Isophorone	6.17	82	461990	1036.221	ug/L	97
27) 2-Nitrophenol	6.22	139	147809	1197.534	ug/L	98
28) 2,4-Dimethylphenol	6.28	107	213886	1083.548	ug/L	98
29) bis(2-Chloroethoxy)methane	6.36	93	301119	1086.738	ug/L	100
30) Benzoic Acid	6.39	105	794314	6103.325	ug/L	99
31) 2,4-Dichlorophenol	6.43	162	219454	1211.025	ug/L	97
32) 1,2,4-Trichlorobenzene	6.50	180	267004	965.585	ug/L	99
33) Naphthalene	6.56	128	829780	994.542	ug/L	99
34) 4-Chloroaniline	6.63	127	229091	1406.927	ug/L	98

(#) = qualifier out of range (m) = manual integration

008271

Quantitation Report (Not Reviewed)

Data File : H:\DATA\030105_A\AT03689.D
Acq On : 1 Mar 2005 8:08 am
Sample : 1281-1-~~10~~ 1000 8270 ~~ocs~~
Misc : 6 N 3/2/05 cca'
MS Integration Params: Rteint.p
Quant Time: Mar 01 08:32:58 2005

Vial: 3
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00

Quant Results File: 8270_022505.RES

Quant Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Feb 28 14:16:48 2005
Response via : Initial Calibration
DataAcq Meth : 8270

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
35)	Hexachlorobutadiene	6.67	225	156604	940.529 ug/L	99
36)	4-Chloro-3-methylphenol	7.04	107	200540	1043.163 ug/L	94
37)	2-Methylnaphthalene	7.14	141	463951	1049.531 ug/L	97
38)	1-Methylnaphthalene	7.22	141	455323	988.589 ul/l	97
40)	Hexachlorocyclopentadiene	7.28	237	142890	893.116 ug/L	99
41)	2,3-Dichloroaniline	7.38	161	274049	1107.295 ul/L	99
42)	2,4,6-Trichlorophenol	7.38	196	169519	1260.224 ug/L	98
43)	2,4,5-Trichlorophenol	7.41	196	174695	1039.973 ug/L	95
45)	2-Chloronaphthalene	7.55	162	519921	1038.802 ug/L	98
46)	Biphenyl	7.54	154	684609	1065.491 ul/L	100
47)	2-Nitroaniline	7.64	138	163358	1117.714 ug/L	99
48)	Dimethylphthalate	7.80	163	576712	1071.457 ug/L	100
49)	Acenaphthylene	7.89	152	853999	1080.352 ug/L	100
50)	2,6-Dinitrotoluene	7.85	165	136430	1004.409 ug/L	92
51)	3-Nitroaniline	7.98	138	48023	2415.018 ug/L	96
52)	Acenaphthene	8.03	153	523632	1006.697 ug/L	99
53)	2,4-Dinitrophenol	8.07	184	360652	5569.243 ug/L	99
54)	4-Nitrophenol	8.13	139	464128	5676.106 ug/L	95
55)	Dibenzofuran	8.17	168	741329	1063.853 ug/L	97
56)	2,4-Dinitrotoluene	8.17	165	178669	1050.846 ug/L	92
57)	2,3,4,6-Tetrachlorophenol	8.24	232	142820	1017.228 ug/L	98
58)	2,3,5,6-Tetrachlorophenol	8.28	232	144818	1080.347 ul/l	95
59)	Diethylphthalate	8.39	149	565966	994.211 ug/L	99
60)	Fluorene	8.46	166	585680	1092.134 ug/L	97
61)	4-Chlorophenylphenylether	8.47	204	298905	1059.002 ug/L	97
62)	4-Nitroaniline	8.50	138	81270	1060.143 ug/L	94
64)	4,6-Dinitro-2-methylphenol	8.51	198	520801	4741.539 ug/L	99
65)	n-Nitrosodiphenylamine	8.58	169	410319	1049.221 ug/L	98
67)	Azobenzene	8.61	77	461399	1079.628 ug/L	96
68)	4-Bromophenylphenylether	8.90	248	183033	1031.363 ug/L	95
69)	Hexachlorobenzene	8.94	284	219011	951.501 ug/L	96
70)	Pentachlorophenol	9.13	266	109833	1157.750 ug/L	94
71)	Phenanthrene	9.33	178	854423	996.580 ug/L	99
72)	Anthracene	9.38	178	845436	1087.244 ug/L	99
73)	Octadecane	9.24	57	284177	1142.165 ul/L	99
74)	Carbazole	9.54	167	557018	1058.149 ug/L	100
75)	Di-n-butylphthalate	9.93	149	957987	1039.488 ug/L	100
76)	Fluoranthene	10.55	202	925243	1057.369 ug/L	98
77)	Pyrene	10.79	202	936878	1032.244 ug/L	100
78)	Benzidine	10.72	184	402418	3233.702 ul/l	99
81)	Butylbenzylphthalate	11.59	149	387975	1005.654 ug/L	100

(#) = qualifier out of range (m) = manual integration

00872

Quantitation Report (Not Reviewed)

Data File : H:\DATA\030105_A\AT03689.D
Acq On : 1 Mar 2005 8:08 am
Sample : 1281-1-~~10~~ 1000 8270 ocs
Misc : 6 AV 3/2/05
MS Integration Params: Rteint.p
Quant Time: Mar 01 08:32:58 2005

Vial: 3
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: 8270_022505.RES

Quant Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Feb 28 14:16:48 2005
Response via : Initial Calibration
DataAcq Meth : 8270

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
82)	Benzo(a)anthracene	12.15	228	885406	1074.226	ug/L	98
83)	3,3'-Dichlorobenzidine	12.16	252	273321	1179.991	ug/L	99
84)	Chrysene	12.20	228	825705	961.121	ug/L	96
85)	bis(2-Ethylhexyl)phthalate	12.29	149	572517	1075.481	ug/L	98
87)	Di-n-octylphthalate	13.03	149	959842	1172.454	ug/L	99
88)	Benzo(b)fluoranthene	13.35	252	916449	1001.380	ul/l	98
89)	benzo(k)fluoranthene	13.38	252	850434	1048.801	ul/l	98
90)	Benzofluoranthenes	13.36	252	1774826	2160.816	ug/L	90
91)	Benzo(a)pyrene	13.72	252	812069	1153.138	ug/L	96
92)	Indeno(1,2,3-cd)pyrene	15.30	276	814393	1059.120	ug/L	99
93)	Dibenz(a,h)anthracene	15.35	278	818577	998.455	ug/L	98
94)	Benzo(g,h,i)perylene	15.66	276	868019	1103.601	ug/L	98

(#) = qualifier out of range (m) = manual integration

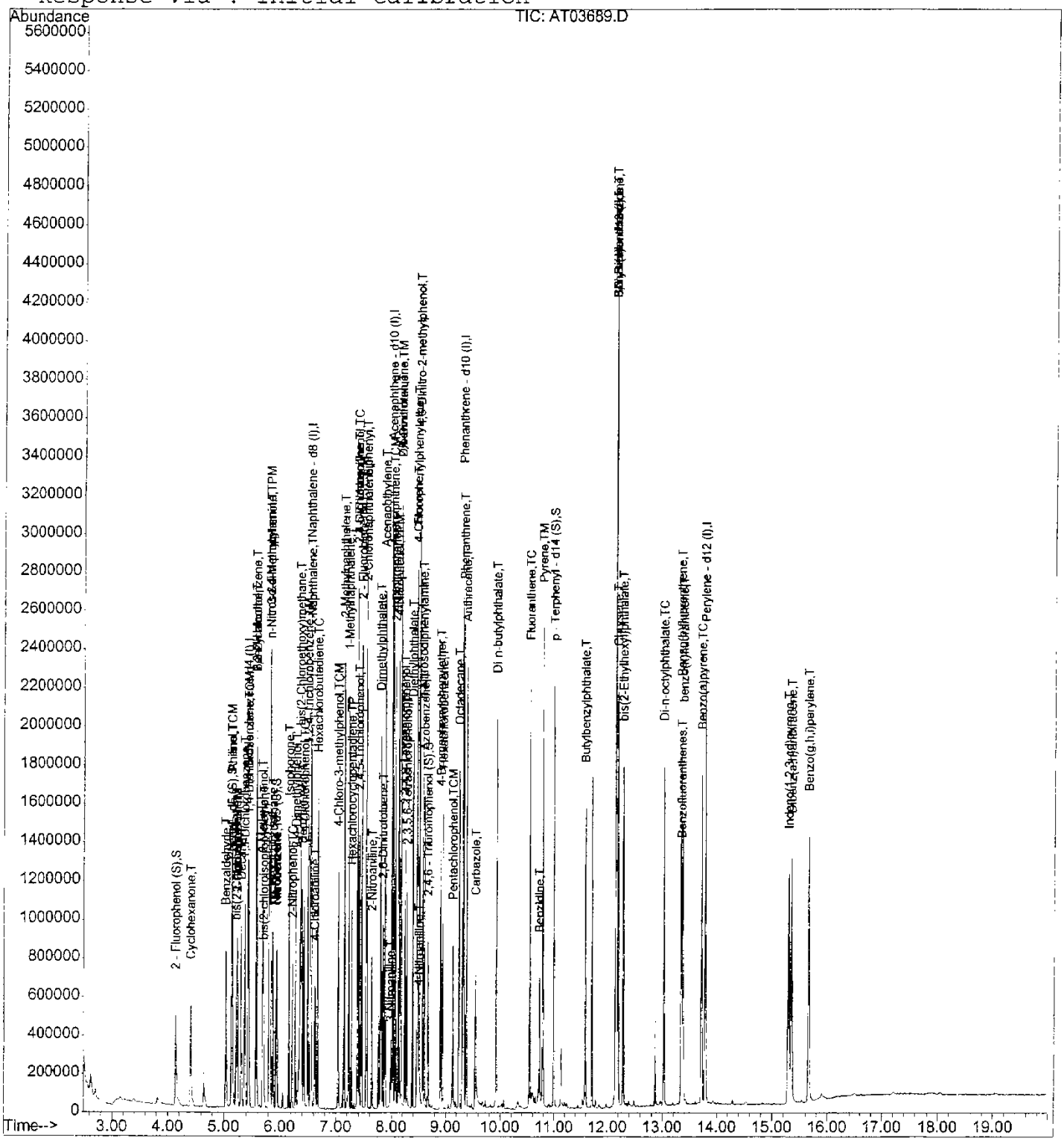
00873

Quantitation Report (Not Reviewed)

Data File : H:\DATA\030105_A\AT03689.D
Acq On : 1 Mar 2005 8:08 am
Sample : 1281-1-10 1000 8270 ocs
Misc :
MS Integration Params: Rteint.p
Quant Time: Mar 1 8:34 2005

Vial: 3
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: 8270_022505.

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Feb 28 14:16:48 2005
Response via : Initial Calibration



008874

Quantitation Report (Not Reviewed)

Data File : H:\DATA\030405_A\AT03712.D
Acq On : 4 Mar 2005 12:42 pm
Sample : 1281-1-6 1000 8270 CCAL
Misc :
MS Integration Params: Rteint.p
Quant Time: Mar 04 13:04:10 2005

Vial: 3
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: 8270_022505.RES

Quant Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Fri Mar 04 12:37:28 2005
Response via : Initial Calibration
DataAcq Meth : 8270

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4 (I)	5.35	152	264381	1000.000 ug/L	0.00
23) Naphthalene - d8 (I)	6.47	136	1043762	1000.000 ug/L	0.00
39) Acenaphthene - d10 (I)	7.94	162	533586	1000.000 ug/L	0.00
63) Phenanthrene - d10 (I)	9.22	188	916335	1000.000 ug/L	0.00
80) Chrysene - d12 (I)	12.07	240	911601	1000.000 ul/l	0.00
86) Perylene - d12 (I)	13.67	264	822169	1000.000 ug/L	0.00
System Monitoring Compounds					
4) 2 - Fluorophenol (S)	4.05	112	244781	1105.79 ug/L	-0.04
8) Phenol - d5 (S)	5.06	99	295983	1187.96 ug/L	0.00
24) Nitrobenzene - d5 (S)	5.86	82	232420	1086.02 ug/L	0.00
44) 2 - Fluorobiphenyl (S)	7.39	172	590959	1026.45 ug/L	0.00
66) 2,4,6 - Tribromophenol (S)	8.59	330	87188	968.14 ug/L	0.00
79) p - Terphenyl - d14 (S)	10.91	244	555400	1001.09 ug/L	0.00
Target Compounds					Qvalue
2) N-Nitrosodimethylamine	2.33	74	634099	4500.952 ug/L	99
3) Pyridine	2.33	79	582194	2348.059 ug/L	99
5) Cyclohexanone	4.32	55	133808	771.513 ul/L	96
6) Benzaldehyde	4.96	105	200530	1001.785 ul/L	99
7) Aniline	5.06	93	289192	1100.227 ug/L	88
9) Phenol	5.07	94	314721	1184.694 ug/L	98
10) bis(2-Chloroethyl)ether	5.14	93	255044	974.408 ug/L	98
11) 2-Chlorophenol	5.16	128	271479	1109.584 ug/L	99
12) Decane	5.23	57	250546	931.567 ul/L	99
13) 1,3-Dichlorobenzene	5.29	146	292697	949.628 ug/L	98
14) 1,4-Dichlorobenzene	5.37	146	314243	981.443 ug/L	99
15) Benzyl alcohol	5.51	79	175677	1077.386 ug/L	96
16) 1,2-Dichlorobenzene	5.50	146	299593	933.109 ug/L	98
17) 2-Methylphenol	5.62	108	203824	1026.174 ug/L	99
18) bis(2-chloroisopropyl)ethe	5.63	45	263361	928.996 ug/L	97
19) 3-&4-Methylphenol	5.76	108	467604	2119.910 ug/L	95
20) n-Nitroso-di-n-propylamine	5.75	70	143314	963.180 ug/L	96
22) Hexachloroethane	5.80	201	110864	902.688 ug/L	95
25) Nitrobenzene	5.88	77	226226	1091.547 ug/L	96
26) Isophorone	6.09	82	440178	1022.549 ug/L	100
27) 2-Nitrophenol	6.15	139	143076	1200.576 ug/L	99
28) 2,4-Dimethylphenol	6.21	107	199113	1045.706 ug/L	98
29) bis(2-Chloroethoxy)methane	6.30	93	287029	1072.873 ug/L	97
30) Benzoic Acid	6.32	105	658895	5238.888 ug/L	99
31) 2,4-Dichlorophenol	6.36	162	212609	1215.142 ug/L	96
32) 1,2,4-Trichlorobenzene	6.43	180	261267	978.573 ug/L	97

(#) = qualifier out of range (m) = manual integration

008275

Data File : H:\DATA\030405_A\AT03712.D
Acq On : 4 Mar 2005 12:42 pm
Sample : 1281-1-6 1000 8270 CCAL
Misc :
MS Integration Params: Rteint.p
Quant Time: Mar 04 13:04:10 2005

Vial: 3
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: 8270_022505.RES

Quant Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Fri Mar 04 12:37:28 2005
Response via : Initial Calibration
DataAcq Meth : 8270

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
33)	Naphthalene	6.49	128	798795	991.589	ug/L	99
34)	4-Chloroaniline	6.56	127	165833	1054.801	ug/L	99
35)	Hexachlorobutadiene	6.60	225	149945	932.690	ug/L	99
36)	4-Chloro-3-methylphenol	6.96	107	176395	953.601	ug/L	98
37)	2-Methylnaphthalene	7.08	141	432292	1012.829	ug/L	99
38)	1-Methylnaphthalene	7.16	141	432443	972.436	ul/l	99
40)	Hexachlorocyclopentadiene	7.21	237	130144	874.414	ug/L	100
41)	2,3-Dichloroaniline	7.31	161	252239	1094.778	ul/L	99
42)	2,4,6-Trichlorophenol	7.34	196	150752	1203.848	ug/L	82
43)	2,4,5-Trichlorophenol	7.34	196	159203	1018.751	ug/L	87
45)	2-Chloronaphthalene	7.48	162	496635	1065.889	ug/L	98
46)	Biphenyl	7.47	154	642710	1074.487	ul/L	100
47)	2-Nitroaniline	7.57	138	146292	1076.016	ug/L	93
48)	Dimethylphthalate	7.73	163	500984	999.813	ug/L	99
49)	Acenaphthylene	7.81	152	770362	1046.844	ug/L	99
50)	2,6-Dinitrotoluene	7.78	165	123259	975.525	ug/L	97
51)	3-Nitroaniline	7.91	138	31387	891.799	ug/L	89
52)	Acenaphthene	7.96	153	475169	981.295	ug/L	98
54)	4-Nitrophenol	8.06	139	365815	4939.761	ug/L	92
55)	Dibenzofuran	8.10	168	675620	1041.483	ug/L	95
56)	2,4-Dinitrotoluene	8.10	165	151077	957.345	ug/L	81
57)	2,3,4,6-Tetrachlorophenol	8.17	232	125496	963.010	ug/L	96
58)	2,3,5,6-Tetrachlorophenol	8.21	232	124578	998.300	ul/l	97
59)	Diethylphthalate	8.32	149	492715	929.743	ug/L	99
60)	Fluorene	8.39	166	521894	1045.387	ug/L	99
61)	4-Chlorophenylphenylether	8.40	204	270113	1027.988	ug/L	95
62)	4-Nitroaniline	8.42	138	52898	741.229	ug/L	95
64)	4,6-Dinitro-2-methylphenol	8.44	198	404639	4269.320	ug/L	99
65)	n-Nitrosodiphenylamine	8.50	169	356814	1047.102	ug/L	99
67)	Azobenzene	8.54	77	414664	1113.495	ug/L	99
68)	4-Bromophenylphenylether	8.82	248	160501	1037.897	ug/L	95
69)	Hexachlorobenzene	8.86	284	190937	951.979	ug/L	99
70)	Pentachlorophenol	9.05	266	89984	1088.533	ug/L	92
71)	Phenanthrene	9.25	178	720561	964.505	ug/L	99
72)	Anthracene	9.30	178	711289	1049.751	ug/L	99
73)	Octadecane	9.17	57	244680	1128.581	ul/L	99
74)	Carbazole	9.46	167	449565	980.086	ug/L	99
75)	Di-n-butylphthalate	9.85	149	795908	991.099	ug/L	99
76)	Fluoranthene	10.45	202	766495	1005.250	ug/L	95
77)	Pyrene	10.70	202	779758	985.947	ug/L	99
78)	Benzidine	10.63	184	173542	1600.374	ul/l	92

(#) = qualifier out of range (m) = manual integration

008276

Data File : H:\DATA\030405_A\AT03712.D
Acq On : 4 Mar 2005 12:42 pm
Sample : 1281-1-6 1000 8270 CCAL
Misc :
MS Integration Params: Rteint.p
Quant Time: Mar 04 13:04:10 2005

Vial: 3
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: 8270_022505.RES

Quant Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Fri Mar 04 12:37:28 2005
Response via : Initial Calibration
DataAcq Meth : 8270

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
81)	Butylbenzylphthalate	11.50	149	320962	1033.399	ug/L	96
82)	Benzo(a)anthracene	12.06	228	694402	1048.592	ug/L	99
83)	3,3'-Dichlorobenzidine	12.07	252	189586	1022.461	ug/L	98
84)	Chrysene	12.10	228	663025	960.562	ug/L	96
85)	bis(2-Ethylhexyl)phthalate	12.21	149	476444	1113.957	ug/L	99
87)	Di-n-octylphthalate	12.94	149	759963	1192.833	ug/L	100
88)	Benzo(b)fluoranthene	13.25	252	675108	948.558	ul/l	100
89)	benzo(k)fluoranthene	13.27	252	709814	1124.833	ul/l	98
90)	Benzofluoranthenes	13.26	252	1397607	2186.443	ug/L	95
91)	Benzo(a)pyrene	13.61	252	628361	1146.539	ug/L	95
92)	Indeno(1,2,3-cd)pyrene	15.13	276	591451	989.664	ug/L	96
93)	Dibenz(a,h)anthracene	15.19	278	606852	951.735	ug/L	96
94)	Benzo(g,h,i)perylene	15.52	276	636323	1039.565	ug/L	98

(#) = qualifier out of range (m) = manual integration

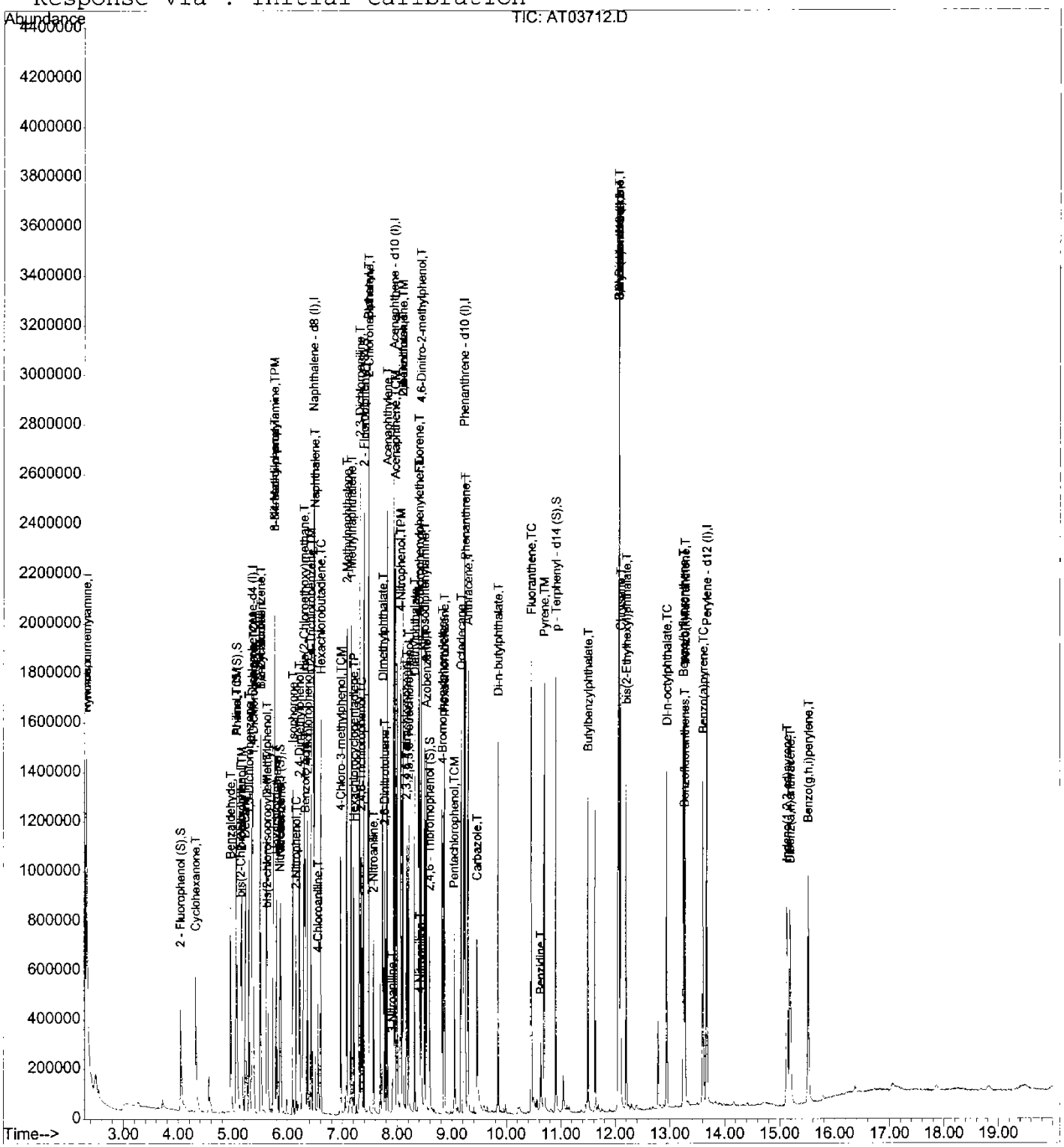
00877

Quantitation Report (Not Reviewed)

Data File : H:\DATA\030405_A\AT03712.D
Acq On : 4 Mar 2005 12:42 pm
Sample : 1281-1-6 1000 8270 CCAL
Misc :
MS Integration Params: Rteint.p
Quant Time: Mar 4 13:05 2005

Vial: 3
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: 8270_022505.

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Fri Mar 04 12:37:28 2005
Response via : Initial Calibration



00078

Evaluate Continuing Calibration Report

Data File : H:\DATA\030405_A\AT03712.D Vial: 3
Acq On : 4 Mar 2005 12:42 pm Operator: RBF
Sample : 1281-1-6 1000 8270 CCAL Inst : hp6890gcm
Misc : Multiplr: 1.00
MS Integration Params: Rteint.p

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Fri Mar 04 12:37:28 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4 (I)	1.000	1.000	0.0	95	0.00
2	T	N-Nitrosodimethylamine	0.440	0.480	-9.1	84	0.00
3	T	Pyridine	0.829	0.440	46.9#	40#	0.03
4	S	2 - Fluorophenol (S)	0.837	0.926	-10.6	94	-0.04
5	T	Cyclohexanone	0.656	0.506	22.9#	70	-0.09
6	T	Benzaldehyde	0.757	0.758	-0.1	88	-0.03
7	T	Aniline	0.941	1.094	-16.3	97	-0.01
8	S	Phenol - d5 (S)	0.942	1.120	-18.9	98	0.00
9	TCM	Phenol	1.005	1.190	-18.4	96	0.00
10	T	bis(2-Chloroethyl)ether	0.990	0.965	2.5	88	0.00
11	TM	2-Chlorophenol	0.925	1.027	-11.0	93	-0.01
12	T	Decane	1.017	0.948	6.8	84	0.00
13	T	1,3-Dichlorobenzene	1.166	1.107	5.1	85	0.00
14	TCM	1,4-Dichlorobenzene	1.211	1.189	1.8	89	0.00
15	T	Benzyl alcohol	0.550	0.664	-20.7#	98	0.02
16	T	1,2-Dichlorobenzene	1.214	1.133	6.7	85	0.00
17	T	2-Methylphenol	0.751	0.771	-2.7	85	0.03
18	T	bis(2-chloroisopropyl)ether	1.072	0.996	7.1	85	0.02
19	T	3-&4-Methylphenol	0.722	0.884	-22.4#	94	0.04
20	TPM	n-Nitroso-di-n-propylamine	0.498	0.542	-8.8	87	0.00
21	T	Acetophenone	1.126	1.289	-14.5	92	0.03
22	T	Hexachloroethane	0.465	0.419	9.9	83	0.03
23	I	Naphthalene - d8 (I)	1.000	1.000	0.0	93	0.00
24	S	Nitrobenzene - d5 (S)	0.205	0.223	-8.8	91	0.00
25	T	Nitrobenzene	0.199	0.217	-9.0	91	-0.03
26	T	Isophorone	0.412	0.422	-2.4	87	0.00
27	TC	2-Nitrophenol	0.114	0.137	-20.2#	95	-0.01
28	T	2,4-Dimethylphenol	0.159	0.191	-20.1#	95	0.00
29	T	bis(2-Chloroethoxy)methane	0.256	0.275	-7.4	93	0.00
30	T	Benzoic Acid	0.094	0.126	-34.0#	91	0.01
31	TC	2,4-Dichlorophenol	0.168	0.204	-21.4#	93	0.00
32	TM	1,2,4-Trichlorobenzene	0.256	0.250	2.3	88	0.00
33	T	Naphthalene	0.772	0.765	0.9	88	0.00
34	T	4-Chloroaniline	0.151	0.159	-5.3	76	0.01
35	TC	Hexachlorobutadiene	0.154	0.144	6.5	83	0.00
36	TCM	4-Chloro-3-methylphenol	0.147	0.169	-15.0	85	0.03
37	T	2-Methylnaphthalene	0.409	0.414	-1.2	86	0.03
38	T	1-Methylnaphthalene	0.426	0.414	2.8	84	0.03
39	I	Acenaphthene - d10 (I)	1.000	1.000	0.0	88	0.00

(#) = Out of Range

008279

Evaluate Continuing Calibration Report

Data File : H:\DATA\030405_A\AT03712.D
Acq On : 4 Mar 2005 12:42 pm
Sample : 1281-1-6 1000 8270 CCAL
Misc :
MS Integration Params: Rteint.p

Vial: 3
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Fri Mar 04 12:37:28 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
40	TP	Hexachlorocyclopentadiene	0.242	0.244	-0.8	77	-0.02
41	T	2,3-Dichloroaniline	0.432	0.473	-9.5	84	-0.02
42	TC	2,4,6-Trichlorophenol	0.235	0.283	-20.4#	87	0.02
43	T	2,4,5-Trichlorophenol	0.247	0.298	-20.6#	87	0.00
44	S	2 - Fluorobiphenyl (S)	1.079	1.108	-2.7	87	0.00
45	T	2-Chloronaphthalene	0.873	0.931	-6.6	88	0.00
46	T	Biphenyl	1.121	1.205	-7.5	89	-0.01
47	T	2-Nitroaniline	0.198	0.274	-38.4#	90	0.00
48	T	Dimethylphthalate	0.939	0.939	0.0	81	0.00
49	T	Acenaphthylene	1.379	1.444	-4.7	83	0.00
50	T	2,6-Dinitrotoluene	0.208	0.231	-11.1	82	0.00
51	T	3-Nitroaniline	0.066	0.059	10.6	57	0.00
52	TCM	Acenaphthene	0.907	0.891	1.8	83	0.00
53	TP	2,4-Dinitrophenol	0.077	0.104	-35.1#	74	0.00
54	TPM	4-Nitrophenol	0.116	0.137	-18.1	83	0.01
55	T	Dibenzofuran	1.216	1.266	-4.1	86	0.00
56	TM	2,4-Dinitrotoluene	0.253	0.283	-11.9	78	0.01
57	T	2,3,4,6-Tetrachlorophenol	0.216	0.235	-8.8	80	0.00
58	T	2,3,5,6-Tetrachlorophenol	0.234	0.233	0.4	77	0.00
59	T	Diethylphthalate	0.993	0.923	7.0	78	0.02
60	T	Fluorene	0.936	0.978	-4.5	82	0.00
61	T	4-Chlorophenylphenylether	0.492	0.506	-2.8	85	0.01
62	T	4-Nitroaniline	0.134	0.099	26.1#	69	0.01
63	I	Phenanthrene - d10 (I)	1.000	1.000	0.0	82	0.00
64	T	4,6-Dinitro-2-methylphenol	0.086	0.088	-2.3	68	0.00
65	T	n-Nitrosodiphenylamine	0.338	0.389	-15.1	80	0.00
66	S	2,4,6 - Tribromophenol (S)	0.085	0.095	-11.8	77	0.00
67	T	Azobenzene	0.406	0.453	-11.6	85	0.00
68	T	4-Bromophenylphenylether	0.169	0.175	-3.6	83	0.00
69	T	Hexachlorobenzene	0.219	0.208	5.0	77	0.00
70	TCM	Pentachlorophenol	0.090	0.098	-8.9	76	0.00
71	T	Phenanthrene	0.815	0.786	3.6	76	0.00
72	T	Anthracene	0.739	0.776	-5.0	77	0.00
73	T	Octadecane	0.237	0.267	-12.7	82	0.01
74	T	Carbazole	0.501	0.491	2.0	76	0.00
75	T	Di-n-butylphthalate	0.876	0.869	0.8	76	0.00
76	TC	Fluoranthene	0.832	0.836	-0.5	73	0.00
77	TM	Pyrene	0.863	0.851	1.4	73	0.00
78	T	Benzidine	0.118	0.000	100.0#	50	0.00
79	S	p - Terphenyl - d14 (S)	0.605	0.606	-0.2	75	0.00

(#) = Out of Range

088800

Evaluate Continuing Calibration Report

Data File : H:\DATA\030405_A\AT03712.D
Acq On : 4 Mar 2005 12:42 pm
Sample : 1281-1-6 1000 8270 CCAL
Misc :
MS Integration Params: Rteint.p

Vial: 3
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Fri Mar 04 12:37:28 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
80	I	Chrysene - d12 (I)	1.000	1.000	0.0	76	0.00
81	T	Butylbenzylphthalate	0.320	0.352	-10.0	76	0.00
82	T	Benzo(a)anthracene	0.726	0.762	-5.0	72	0.00
83	T	3,3'-Dichlorobenzidine	0.177	0.208	-17.5	65	0.00
84	T	Chrysene	0.757	0.727	4.0	71	0.00
85	T	bis(2-Ethylhexyl)phthalate	0.469	0.523	-11.5	77	0.00
86	I	Perylene - d12 (I)	1.000	1.000	0.0	74	0.00
87	TC	Di-n-octylphthalate	0.775	0.924	-19.2	78	0.00
88	T	Benzo(b)fluoranthene	0.754	0.821	-8.9	70	0.00
89	T	benzo(k)fluoranthene	0.768	0.863	-12.4	70	0.00
90	T	Benzofluoranthenes	0.777	0.850	-9.4	70	0.00
91	TC	Benzo(a)pyrene	0.667	0.764	-14.5	71	0.00
92	T	Indeno(1,2,3-cd)pyrene	0.582	0.719	-23.5#	71	0.00
93	T	Dibenz(a,h)anthracene	0.676	0.738	-9.2	69	0.00
94	T	Benzo(g,h,i)perylene	0.745	0.774	-3.9	67	0.00

Evaluate Continuing Calibration Report

Data File : H:\DATA\030405_A\AT03712.D
Acq On : 4 Mar 2005 12:42 pm
Sample : 1281-1-6 1000 8270 CCAL
Misc :
MS Integration Params: Rteint.p

Vial: 3
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Fri Mar 04 12:37:28 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4 (I)	1000.000	1000.000	0.0	95	0.00
2	T	N-Nitrosodimethylamine	5000.000	4500.952	10.0	84	0.00
3	T	Pyridine	5000.000	2348.059	53.0#	40	0.03
4	S	2 - Fluorophenol (S)	1000.000	1105.786	-10.6	94	-0.04
5	T	Cyclohexanone	1000.000	771.513	22.8#	70	-0.09
6	T	Benzaldehyde	1000.000	1001.785	-0.2	88	-0.03
7	T	Aniline	1000.000	1100.227	-10.0	97	-0.01
8	S	Phenol - d5 (S)	1000.000	1187.960	-18.8	98	0.00
9	TCM	Phenol	1000.000	1184.694	-18.5	96	0.00
10	T	bis(2-Chloroethyl)ether	1000.000	974.408	2.6	88	0.00
11	TM	2-Chlorophenol	1000.000	1109.584	-11.0	93	-0.01
12	T	Decane	1000.000	931.567	6.8	84	0.00
13	T	1,3-Dichlorobenzene	1000.000	949.628	5.0	85	0.00
14	TCM	1,4-Dichlorobenzene	1000.000	981.443	1.9	89	0.00
15	T	Benzyl alcohol	1000.000	1077.386	-7.7	98	0.02
16	T	1,2-Dichlorobenzene	1000.000	933.109	6.7	85	0.00
17	T	2-Methylphenol	1000.000	1026.174	-2.6	85	0.03
18	T	bis(2-chloroisopropyl)ether	1000.000	928.996	7.1	85	0.02
19	T	3-&4-Methylphenol	2000.000	2119.910	-6.0	94	0.04
20	TPM	n-Nitroso-di-n-propylamine	1000.000	963.180	3.7	87	0.00
21	T	Acetophenone	1000.000	1029.000	-2.9	92	0.03
22	T	Hexachloroethane	1000.000	902.688	9.7	83	0.03
23	I	Naphthalene - d8 (I)	1000.000	1000.000	0.0	93	0.00
24	S	Nitrobenzene - d5 (S)	1000.000	1086.020	-8.6	91	0.00
25	T	Nitrobenzene	1000.000	1091.547	-9.2	91	-0.03
26	T	Isophorone	1000.000	1022.549	-2.3	87	0.00
27	TC	2-Nitrophenol	1000.000	1200.576	-20.1#	95	-0.01
28	T	2,4-Dimethylphenol	1000.000	1045.706	-4.6	95	0.00
29	T	bis(2-Chloroethoxy)methane	1000.000	1072.873	-7.3	93	0.00
30	T	Benzoic Acid	5000.000	5238.888	-4.8	91	0.01
31	TC	2,4-Dichlorophenol	1000.000	1215.142	-21.5#	93	0.00
32	TM	1,2,4-Trichlorobenzene	1000.000	978.573	2.1	88	0.00
33	T	Naphthalene	1000.000	991.589	0.8	88	0.00
34	T	4-Chloroaniline	1000.000	1054.801	-5.5	76	0.01
35	TC	Hexachlorobutadiene	1000.000	932.690	6.7	83	0.00
36	TCM	4-Chloro-3-methylphenol	1000.000	953.601	4.6	85	0.03
37	T	2-Methylnaphthalene	1000.000	1012.829	-1.3	86	0.03
38	T	1-Methylnaphthalene	1000.000	972.436	2.8	84	0.03
39	I	Acenaphthene - d10 (I)	1000.000	1000.000	0.0	88	0.00

(#) = Out of Range

00882

Data File : H:\DATA\030405_A\AT03712.D Vial: 3
Acq On : 4 Mar 2005 12:42 pm Operator: RBF
Sample : 1281-1-6 1000 8270 CCAL Inst : hp6890gcm
Misc : Multiplr: 1.00
MS Integration Params: Rteint.p

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Fri Mar 04 12:37:28 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
40	TP	Hexachlorocyclopentadiene	1000.000	874.414	12.6	77	-0.02
41	T	2,3-Dichloroaniline	1000.000	1094.778	-9.5	84	-0.02
42	TC	2,4,6-Trichlorophenol	1000.000	1203.848	-20.4#	87	0.02
43	T	2,4,5-Trichlorophenol	1000.000	1018.751	-1.9	87	0.00
44	S	2 - Fluorobiphenyl (S)	1000.000	1026.452	-2.6	87	0.00
45	T	2-Chloronaphthalene	1000.000	1065.889	-6.6	88	0.00
46	T	Biphenyl	1000.000	1074.487	-7.4	89	-0.01
47	T	2-Nitroaniline	1000.000	1076.016	-7.6	90	0.00
48	T	Dimethylphthalate	1000.000	999.813	0.0	81	0.00
49	T	Acenaphthylene	1000.000	1046.844	-4.7	83	0.00
50	T	2,6-Dinitrotoluene	1000.000	975.525	2.4	82	0.00
51	T	3-Nitroaniline	1000.000	891.799	10.8	57	0.00
52	TCM	Acenaphthene	1000.000	981.295	1.9	83	0.00
53	TP	2,4-Dinitrophenol	5000.000	4753.126	4.9	74	0.00
54	TPM	4-Nitrophenol	5000.000	4939.761	1.2	83	0.01
55	T	Dibenzofuran	1000.000	1041.483	-4.1	86	0.00
56	TM	2,4-Dinitrotoluene	1000.000	957.345	4.3	78	0.01
57	T	2,3,4,6-Tetrachlorophenol	1000.000	963.010	3.7	80	0.00
58	T	2,3,5,6-Tetrachlorophenol	1000.000	998.300	0.2	77	0.00
59	T	Diethylphthalate	1000.000	929.743	7.0	78	0.02
60	T	Fluorene	1000.000	1045.387	-4.5	82	0.00
61	T	4-Chlorophenylphenylether	1000.000	1027.988	-2.8	85	0.01
62	T	4-Nitroaniline	1000.000	741.229	25.9#	69	0.01
63	I	Phenanthrene - d10 (I)	1000.000	1000.000	0.0	82	0.00
64	T	4,6-Dinitro-2-methylphenol	5000.000	4269.320	14.6	68	0.00
65	T	n-Nitrosodiphenylamine	1000.000	1047.102	-4.7	80	0.00
66	S	2,4,6 - Tribromophenol (S)	1000.000	968.143	3.2	77	0.00
67	T	Azobenzene	1000.000	1113.495	-11.3	85	0.00
68	T	4-Bromophenylphenylether	1000.000	1037.897	-3.8	83	0.00
69	T	Hexachlorobenzene	1000.000	951.979	4.8	77	0.00
70	TCM	Pentachlorophenol	1000.000	1088.533	-8.9	76	0.00
71	T	Phenanthrene	1000.000	964.505	3.5	76	0.00
72	T	Anthracene	1000.000	1049.751	-5.0	77	0.00
73	T	Octadecane	1000.000	1128.581	-12.9	82	0.01
74	T	Carbazole	1000.000	980.086	2.0	76	0.00
75	T	Di-n-butylphthalate	1000.000	991.099	0.9	76	0.00
76	TC	Fluoranthene	1000.000	1005.250	-0.5	73	0.00
77	TM	Pyrene	1000.000	985.947	1.4	73	0.00
78	T	Benzidine	-1.000	1600.374	0.0	50	0.00
79	S	p - Terphenyl - d14 (S)	1000.000	1001.089	-0.1	75	0.00

(#) = Out of Range

00883

Evaluate Continuing Calibration Report

Data File : H:\DATA\030405_A\AT03712.D
Acq On : 4 Mar 2005 12:42 pm
Sample : 1281-1-6 1000 8270 CCAL
Misc :
MS Integration Params: Rteint.p

Vial: 3
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Fri Mar 04 12:37:28 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
80	I	Chrysene - d12 (I)	1000.000	1000.000	0.0	76	0.00
81	T	Butylbenzylphthalate	1000.000	1033.399	-3.3	76	0.00
82	T	Benzo(a)anthracene	1000.000	1048.592	-4.9	72	0.00
83	T	3,3'-Dichlorobenzidine	1000.000	1022.461	-2.2	65	0.00
84	T	Chrysene	1000.000	960.562	3.9	71	0.00
85	T	bis(2-Ethylhexyl)phthalate	1000.000	1113.957	-11.4	77	0.00
86	I	Perylene - d12 (I)	1000.000	1000.000	0.0	74	0.00
87	TC	Di-n-octylphthalate	1000.000	1192.833	-19.3	78	0.00
88	T	Benzo(b)fluoranthene	1000.000	948.558	5.1	70	0.00
89	T	benzo(k)fluoranthene	1000.000	1124.833	-12.5	70	0.00
90	T	Benzofluoranthenes	2000.000	2186.443	-9.3	70	0.00
91	TC	Benzo(a)pyrene	1000.000	1146.539	-14.7	71	0.00
92	T	Indeno(1,2,3-cd)pyrene	1000.000	989.664	1.0	71	0.00
93	T	Dibenz(a,h)anthracene	1000.000	951.735	4.8	69	0.00
94	T	Benzo(g,h,i)perylene	1000.000	1039.565	-4.0	67	0.00

Quantitation Report (Not Reviewed)

Data File : H:\DATA\030405_A\AT03711.D
Acq On : 4 Mar 2005 12:14 pm
Sample : 1281-1-10 1000 8270 ~~ccs~~ ccv
Misc :
MS Integration Params: Rteint.p
Quant Time: Mar 04 12:37:30 2005

Vial: 3
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00

Quant Results File: 8270_022505.RES

Quant Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Fri Mar 04 12:37:28 2005
Response via : Initial Calibration
DataAcq Meth : 8270

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4 (I)	5.35	152	275123	1000.000 ug/L	0.00
23) Naphthalene - d8 (I)	6.47	136	1089786	1000.000 ug/L	0.00
39) Acenaphthene - d10 (I)	7.93	162	564384	1000.000 ug/L	0.00
63) Phenanthrene - d10 (I)	9.22	188	1014423	1000.000 ug/L	0.00
80) Chrysene - d12 (I)	12.07	240	1100970	1000.000 ul/l	0.00
86) Perylene - d12 (I)	13.67	264	1051391	1000.000 ug/L	0.00
System Monitoring Compounds					
4) 2 - Fluorophenol (S)	4.05	112	254334	1104.08 ug/L	-0.04
8) Phenol - d5 (S)	5.05	99	303177	1169.32 ug/L	0.00
24) Nitrobenzene - d5 (S)	5.86	82	242100	1083.48 ug/L	0.00
44) 2 - Fluorobiphenyl (S)	7.39	172	615299	1010.41 ug/L	0.00
66) 2,4,6 - Tribromophenol (S)	8.60	330	104273	1043.53 ug/L	0.00
79) p - Terphenyl - d14 (S)	10.91	244	632318	1029.53 ug/L	0.00
Target Compounds					Qvalue
2) N-Nitrosodimethylamine	2.32	74	623642	4266.676 ug/L	100
5) Cyclohexanone	4.32	55	88584	490.817 ul/L	99
6) Benzaldehyde	4.96	105	218198	1047.489 ul/L	97
7) Aniline	5.06	93	331928	1211.117 ug/L	96
9) Phenol	5.07	94	356299	1288.838 ug/L	95
10) bis(2-Chloroethyl)ether	5.14	93	277257	1017.916 ug/L	99
11) 2-Chlorophenol	5.16	128	307443	1207.513 ug/L	99
12) Decane	5.23	57	252421	901.894 ul/L	99
13) 1,3-Dichlorobenzene	5.29	146	327920	1022.366 ug/L	97
14) 1,4-Dichlorobenzene	5.37	146	355897	1068.137 ug/L	98
15) Benzyl alcohol	5.51	79	199146	1171.575 ug/L	99
16) 1,2-Dichlorobenzene	5.50	146	331264	991.468 ug/L	98
17) 2-Methylphenol	5.62	108	233725	1130.770 ug/L	99
18) bis(2-chloroisopropyl)ethe	5.63	45	290850	985.905 ug/L	97
19) 3-&4-Methylphenol	5.76	108	264799	1165.519 ug/L	96
20) n-Nitroso-di-n-propylamine	5.75	70	161460	1040.721 ug/L	100
22) Hexachloroethane	5.79	201	122571	959.044 ug/L	99
25) Nitrobenzene	5.88	77	258480	1194.503 ug/L	96
26) Isophorone	6.09	82	460694	1025.011 ug/L	99
27) 2-Nitrophenol	6.15	139	164373	1321.033 ug/L	98
28) 2,4-Dimethylphenol	6.21	107	232792	1167.666 ug/L	98
29) bis(2-Chloroethoxy)methane	6.30	93	323624	1158.573 ug/L	94
30) Benzoic Acid	6.32	105	617571	4785.816 ug/L	96
31) 2,4-Dichlorophenol	6.36	162	246096	1347.132 ug/L	96
32) 1,2,4-Trichlorobenzene	6.43	180	296050	1062.023 ug/L	99
33) Naphthalene	6.49	128	890297	1058.501 ug/L	99

(#) = qualifier out of range (m) = manual integration

00885

Data File : H:\DATA\030405_A\AT03711.D
Acq On : 4 Mar 2005 12:14 pm
Sample : 1281-1-10 1000 8270 ocs
Misc :
MS Integration Params: Rteint.p
Quant Time: Mar 04 12:37:30 2005

Vial: 3
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: 8270_022505.RES

Quant Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Fri Mar 04 12:37:28 2005
Response via : Initial Calibration
DataAcq Meth : 8270

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
34)	4-Chloroaniline	6.56	127	193601	1179.417	ug/L	97
35)	Hexachlorobutadiene	6.60	225	169290	1008.548	ug/L	99
36)	4-Chloro-3-methylphenol	6.97	107	203034	1047.492	ug/L	92
37)	2-Methylnaphthalene	7.08	141	490495	1100.662	ug/L	99
38)	1-Methylnaphthalene	7.16	141	494384	1064.773	ul/l	100
40)	Hexachlorocyclopentadiene	7.21	237	130229	828.783	ug/L	99
41)	2,3-Dichloroaniline	7.31	161	262863	1078.632	ul/L	99
42)	2,4,6-Trichlorophenol	7.31	196	177733	1341.857	ug/L	90
43)	2,4,5-Trichlorophenol	7.34	196	181604	1096.098	ug/L	88
45)	2-Chloronaphthalene	7.48	162	558276	1132.800	ug/L	100
46)	Biphenyl	7.47	154	704354	1113.286	ul/L	100
47)	2-Nitroaniline	7.57	138	166520	1156.331	ug/L	88
48)	Dimethylphthalate	7.73	163	573142	1081.401	ug/L	99
49)	Acenaphthylene	7.81	152	820375	1053.972	ug/L	99
50)	2,6-Dinitrotoluene	7.78	165	138774	1036.716	ug/L	89
51)	3-Nitroaniline	7.91	138	24619	661.329	ug/L	91
52)	Acenaphthene	7.96	153	540718	1055.728	ug/L	96
53)	2,4-Dinitrophenol	8.00	184	455109	6834.074	ug/L	91
54)	4-Nitrophenol	8.07	139	426767	5358.298	ug/L	97
55)	Dibenzofuran	8.10	168	756422	1102.411	ug/L	71
56)	2,4-Dinitrotoluene	8.10	165	181822	1084.992	ug/L	79
57)	2,3,4,6-Tetrachlorophenol	8.17	232	154984	1115.844	ug/L	97
58)	2,3,5,6-Tetrachlorophenol	8.21	232	163185	1236.317	ul/l	97
59)	Diethylphthalate	8.32	149	568216	1013.702	ug/L	99
60)	Fluorene	8.39	166	590215	1117.724	ug/L	98
61)	4-Chlorophenylphenylether	8.40	204	308736	1110.860	ug/L	98
62)	4-Nitroaniline	8.42	138	61047	808.737	ug/L	88
64)	4,6-Dinitro-2-methylphenol	8.44	198	561194	5251.612	ug/L	90
65)	n-Nitrosodiphenylamine	8.50	169	489938	1296.589	ug/L	99
67)	Azobenzene	8.54	77	465381	1128.848	ug/L	99
68)	4-Bromophenylphenylether	8.82	248	187008	1092.375	ug/L	95
69)	Hexachlorobenzene	8.86	284	223687	1007.427	ug/L	97
70)	Pentachlorophenol	9.05	266	119008	1300.432	ug/L	93
71)	Phenanthrene	9.25	178	831530	1005.418	ug/L	100
72)	Anthracene	9.30	178	848373	1131.000	ug/L	100
73)	Octadecane	9.17	57	280259	1167.694	ul/L	99
74)	Carbazole	9.47	167	549027	1081.187	ug/L	100
75)	Di-n-butylphthalate	9.85	149	934553	1051.219	ug/L	100
76)	Fluoranthene	10.46	202	905263	1072.445	ug/L	100
77)	Pyrene	10.70	202	947156	1081.809	ug/L	100
78)	Benzidine	10.64	184	62179	517.959	ul/l	84

(#) = qualifier out of range (m) = manual integration

988800

Quantitation Report (Not Reviewed)

Data File : H:\DATA\030405_A\AT03711.D
Acq On : 4 Mar 2005 12:14 pm
Sample : 1281-1-10 1000 8270 ocs
Misc :
MS Integration Params: Rteint.p
Quant Time: Mar 04 12:37:30 2005

Vial: 3
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: 8270_022505.RES

Quant Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Fri Mar 04 12:37:28 2005
Response via : Initial Calibration
DataAcq Meth : 8270

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
81)	Butylbenzylphthalate	11.50	149	391991	1044.221	ug/L	100
82)	Benzo(a)anthracene	12.06	228	873713	1092.430	ug/L	100
83)	3,3'-Dichlorobenzidine	12.07	252	431633	1903.216	ug/L	100
84)	Chrysene	12.10	228	850876	1020.683	ug/L	96
85)	bis(2-Ethylhexyl)phthalate	12.21	149	593335	1148.645	ug/L	100
87)	Di-n-octylphthalate	12.94	149	943057	1157.503	ug/L	100
88)	Benzo(b)fluoranthene	13.25	252	939998	1031.674	ul/l	100
89)	benzo(k)fluoranthene	13.28	252	907033	1123.993	ul/l	100
90)	Benzofluoranthenes	13.26	252	1858629	2273.750	ug/L	100
91)	Benzo(a)pyrene	13.61	252	848078	1210.075	ug/L	100
92)	Indeno(1,2,3-cd)pyrene	15.14	276	807551	1055.353	ug/L	98
93)	Dibenz(a,h)anthracene	15.20	278	839055	1027.986	ug/L	95
94)	Benzo(g,h,i)perylene	15.53	276	881282	1125.863	ug/L	100

(#) = qualifier out of range (m) = manual integration

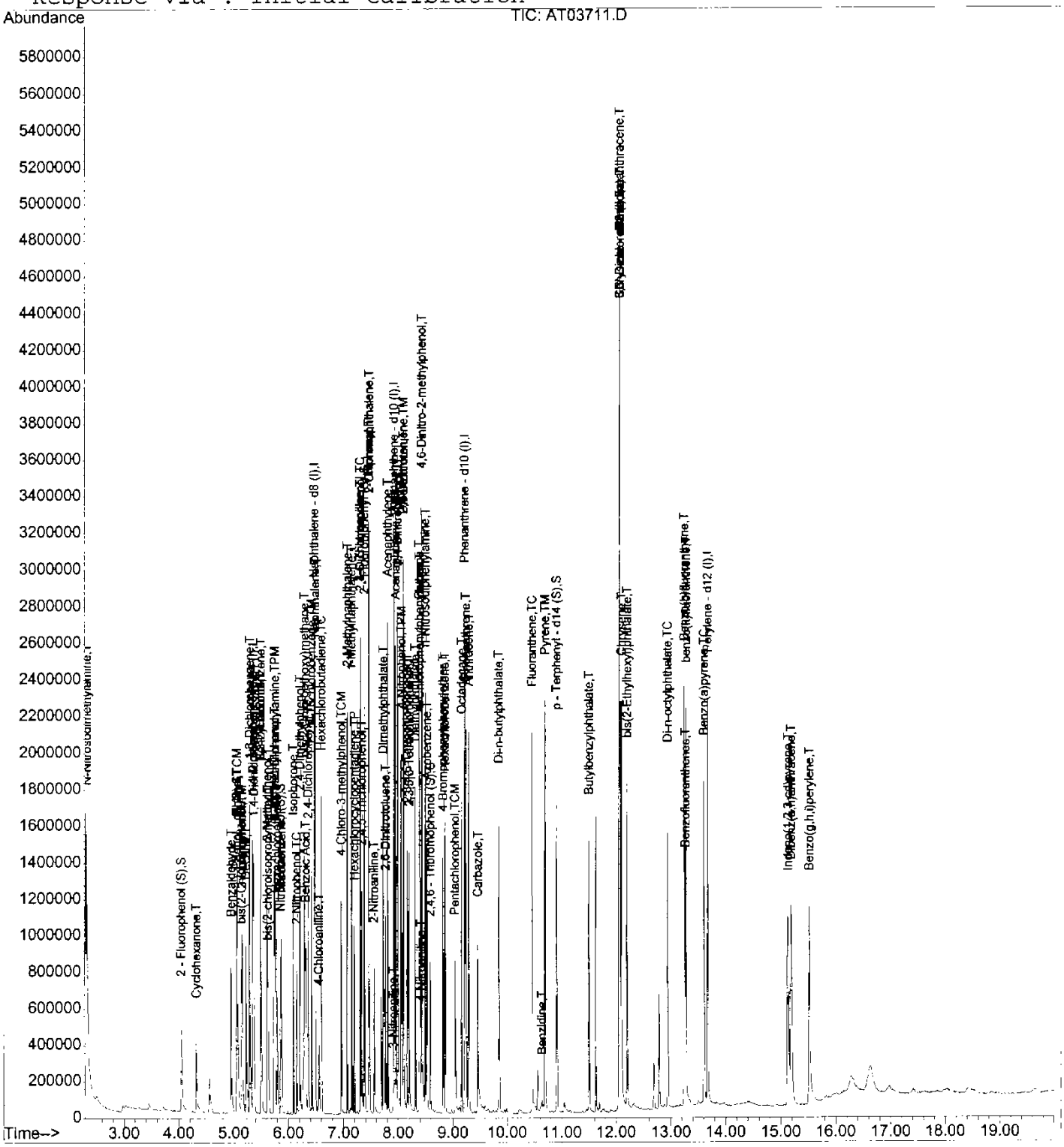
00887

Quantitation Report (Not Reviewed)

Data File : H:\DATA\030405_A\AT03711.D
Acq On : 4 Mar 2005 12:14 pm
Sample : 1281-1-10 1000 8270 ~~oes~~
Misc :
MS Integration Params: Rteint.p
Quant Time: Mar 4 12:39 2005

Vial: 3
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: 8270_022505.

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Fri Mar 04 12:37:28 2005
Response via : Initial Calibration



888800

Evaluate Continuing Calibration Report

Data File : H:\DATA\030405_A\AT03711.D Vial: 3
Acq On : 4 Mar 2005 12:14 pm Operator: RBF
Sample : 1281-1-10 1000 8270 ocs Inst : hp6890gcm
Misc : Multiplr: 1.00
MS Integration Params: Rteint.p

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Fri Mar 04 12:37:28 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4 (I)	1.000	1.000	0.0	98	0.00
2	T	N-Nitrosodimethylamine	0.440	0.453	-3.0	83	0.00
3	T	Pyridine	0.829	0.000	100.0#	0#	-2.30#
4	S	2 - Fluorophenol (S)	0.837	0.924	-10.4	98	-0.04
5	T	Cyclohexanone	0.656	0.322	50.9#	46#	-0.09
6	T	Benzaldehyde	0.757	0.793	-4.8	95	-0.03
7	T	Aniline	0.941	1.206	-28.2#	111	-0.01
8	S	Phenol - d5 (S)	0.942	1.102	-17.0	100	0.00
9	TCM	Phenol	1.005	1.295	-28.9#	109	0.00
10	T	bis(2-Chloroethyl)ether	0.990	1.008	-1.8	95	0.00
11	TM	2-Chlorophenol	0.925	1.117	-20.8#	105	-0.01
12	T	Decane	1.017	0.917	9.8	85	0.00
13	T	1,3-Dichlorobenzene	1.166	1.192	-2.2	95	0.00
14	TCM	1,4-Dichlorobenzene	1.211	1.294	-6.9	101	0.00
15	T	Benzyl alcohol	0.550	0.724	-31.6#	111	0.02
16	T	1,2-Dichlorobenzene	1.214	1.204	0.8	94	0.00
17	T	2-Methylphenol	0.751	0.850	-13.2	97	0.03
18	T	bis(2-chloroisopropyl)ether	1.072	1.057	1.4	94	0.02
19	T	3-&4-Methylphenol	0.722	0.481	33.4#	53	0.04
20	TPM	n-Nitroso-di-n-propylamine	0.498	0.587	-17.9	98	0.00
21	T	Acetophenone	1.126	1.329	-18.0	99	0.03
22	T	Hexachloroethane	0.465	0.446	4.1	92	0.02
23	I	Naphthalene - d8 (I)	1.000	1.000	0.0	97	0.00
24	S	Nitrobenzene - d5 (S)	0.205	0.222	-8.3	95	0.00
25	T	Nitrobenzene	0.199	0.237	-19.1	104	-0.03
26	T	Isophorone	0.412	0.423	-2.7	91	0.00
27	TC	2-Nitrophenol	0.114	0.151	-32.5#	109	-0.01
28	T	2,4-Dimethylphenol	0.159	0.214	-34.6#	112	0.00
29	T	bis(2-Chloroethoxy)methane	0.256	0.297	-16.0	105	0.00
30	T	Benzoic Acid	0.094	0.113	-20.2#	85	0.00
31	TC	2,4-Dichlorophenol	0.168	0.226	-34.5#	108	0.00
32	TM	1,2,4-Trichlorobenzene	0.256	0.272	-6.3	100	0.00
33	T	Naphthalene	0.772	0.817	-5.8	98	0.00
34	T	4-Chloroaniline	0.151	0.178	-17.9	89	0.01
35	TC	Hexachlorobutadiene	0.154	0.155	-0.6	94	0.00
36	TCM	4-Chloro-3-methylphenol	0.147	0.186	-26.5#	97	0.04
37	T	2-Methylnaphthalene	0.409	0.450	-10.0	98	0.03
38	T	1-Methylnaphthalene	0.426	0.454	-6.6	96	0.03
39	I	Acenaphthene - d10 (I)	1.000	1.000	0.0	94	0.00

(#) = Out of Range

68800

Data File : H:\DATA\030405_A\AT03711.D
Acq On : 4 Mar 2005 12:14 pm
Sample : 1281-1-10 1000 8270 ocs
Misc :
MS Integration Params: Rteint.p

Vial: 3
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Fri Mar 04 12:37:28 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
40	TP	Hexachlorocyclopentadiene	0.242	0.231	4.5	77	-0.02
41	T	2,3-Dichloroaniline	0.432	0.466	-7.9	88	-0.02
42	TC	2,4,6-Trichlorophenol	0.235	0.315	-34.0#	102	-0.02
43	T	2,4,5-Trichlorophenol	0.247	0.322	-30.4#	99	0.00
44	S	2 - Fluorobiphenyl (S)	1.079	1.090	-1.0	91	0.00
45	T	2-Chloronaphthalene	0.873	0.989	-13.3	99	0.00
46	T	Biphenyl	1.121	1.248	-11.3	97	-0.01
47	T	2-Nitroaniline	0.198	0.295	-49.0#	103	0.00
48	T	Dimethylphthalate	0.939	1.016	-8.2	92	0.00
49	T	Acenaphthylene	1.379	1.454	-5.4	89	0.00
50	T	2,6-Dinitrotoluene	0.208	0.246	-18.3	93	0.00
51	T	3-Nitroaniline	0.066	0.044	33.3#	45#	0.00
52	TCM	Acenaphthene	0.907	0.958	-5.6	94	0.00
53	TP	2,4-Dinitrophenol	0.077	0.161	-109.1#	121	0.00
54	TPM	4-Nitrophenol	0.116	0.151	-30.2#	97	0.02
55	T	Dibenzofuran	1.216	1.340	-10.2	96	0.00
56	TM	2,4-Dinitrotoluene	0.253	0.322	-27.3#	94	0.01
57	T	2,3,4,6-Tetrachlorophenol	0.216	0.275	-27.3#	99	0.00
58	T	2,3,5,6-Tetrachlorophenol	0.234	0.289	-23.5#	100	0.00
59	T	Diethylphthalate	0.993	1.007	-1.4	90	0.02
60	T	Fluorene	0.936	1.046	-11.8	92	0.00
61	T	4-Chlorophenylphenylether	0.492	0.547	-11.2	97	0.01
62	T	4-Nitroaniline	0.134	0.108	19.4	79	0.01
63	I	Phenanthrene - d10 (I)	1.000	1.000	0.0	91	0.00
64	T	4,6-Dinitro-2-methylphenol	0.086	0.111	-29.1#	94	0.00
65	T	n-Nitrosodiphenylamine	0.338	0.483	-42.9#	110	0.00
66	S	2,4,6 - Tribromophenol (S)	0.085	0.103	-21.2#	93	0.00
67	T	Azobenzene	0.406	0.459	-13.1	96	0.00
68	T	4-Bromophenylphenylether	0.169	0.184	-8.9	96	0.00
69	T	Hexachlorobenzene	0.219	0.221	-0.9	90	0.00
70	TCM	Pentachlorophenol	0.090	0.117	-30.0#	100	0.00
71	T	Phenanthrene	0.815	0.820	-0.6	88	0.00
72	T	Anthracene	0.739	0.836	-13.1	92	0.00
73	T	Octadecane	0.237	0.276	-16.5	94	0.01
74	T	Carbazole	0.501	0.541	-8.0	93	0.00
75	T	Di-n-butylphthalate	0.876	0.921	-5.1	89	0.00
76	TC	Fluoranthene	0.832	0.892	-7.2	86	0.00
77	TM	Pyrene	0.863	0.934	-8.2	89	0.00
78	T	Benzidine	0.118	0.000	100.0#	18#	0.00
79	S	p - Terphenyl - d14 (S)	0.605	0.623	-3.0	85	0.00

(#) = Out of Range

06800

Evaluate Continuing Calibration Report

Data File : H:\DATA\030405_A\AT03711.D
Acq On : 4 Mar 2005 12:14 pm
Sample : 1281-1-10 1000 8270 ocs
Misc :
MS Integration Params: Rteint.p

Vial: 3
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Fri Mar 04 12:37:28 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
80	I	Chrysene - d12 (I)	1.000	1.000	0.0	91	0.00
81	T	Butylbenzylphthalate	0.320	0.356	-11.2	93	0.00
82	T	Benzo(a)anthracene	0.726	0.794	-9.4	90	0.00
83	T	3,3'-Dichlorobenzidine	0.177	0.392	-121.5#	148	0.00
84	T	Chrysene	0.757	0.773	-2.1	91	0.00
85	T	bis(2-Ethylhexyl)phthalate	0.469	0.539	-14.9	96	0.00
86	I	Perylene - d12 (I)	1.000	1.000	0.0	94	0.00
87	TC	Di-n-octylphthalate	0.775	0.897	-15.7	96	0.00
88	T	Benzo(b)fluoranthene	0.754	0.894	-18.6	98	0.00
89	T	benzo(k)fluoranthene	0.768	0.863	-12.4	90	0.00
90	T	Benzofluoranthenes	0.777	0.884	-13.8	93	0.00
91	TC	Benzo(a)pyrene	0.667	0.807	-21.0#	95	0.00
92	T	Indeno(1,2,3-cd)pyrene	0.582	0.768	-32.0#	97	0.00
93	T	Dibenz(a,h)anthracene	0.676	0.798	-18.0	96	0.00
94	T	Benzo(g,h,i)perylene	0.745	0.838	-12.5	93	0.00

Evaluate Continuing Calibration Report

Data File : H:\DATA\030405_A\AT03711.D
Acq On : 4 Mar 2005 12:14 pm
Sample : 1281-1-10 1000 8270 ocs
Misc :
MS Integration Params: Rteint.p

Vial: 3
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Fri Mar 04 12:37:28 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4 (I)	1000.000	1000.000	0.0	98	0.00
2	T	N-Nitrosodimethylamine	5000.000	4266.676	14.7	83	0.00
3	T	Pyridine	5000.000	0.000	100.0#	0	-2.30#
4	S	2 - Fluorophenol (S)	1000.000	1104.082	-10.4	98	-0.04
5	T	Cyclohexanone	1000.000	490.817	50.9#	46	-0.09
6	T	Benzaldehyde	1000.000	1047.489	-4.7	95	-0.03
7	T	Aniline	1000.000	1211.117	-21.1#	111	-0.01
8	S	Phenol - d5 (S)	1000.000	1169.324	-16.9	100	0.00
9	TCM	Phenol	1000.000	1288.838	-28.9#	109	0.00
10	T	bis(2-Chloroethyl)ether	1000.000	1017.916	-1.8	95	0.00
11	TM	2-Chlorophenol	1000.000	1207.513	-20.8#	105	-0.01
12	T	Decane	1000.000	901.894	9.8	85	0.00
13	T	1,3-Dichlorobenzene	1000.000	1022.366	-2.2	95	0.00
14	TCM	1,4-Dichlorobenzene	1000.000	1068.137	-6.8	101	0.00
15	T	Benzyl alcohol	1000.000	1171.575	-17.2	111	0.02
16	T	1,2-Dichlorobenzene	1000.000	991.468	0.9	94	0.00
17	T	2-Methylphenol	1000.000	1130.770	-13.1	97	0.03
18	T	bis(2-chloroisopropyl)ether	1000.000	985.905	1.4	94	0.02
19	T	3-&4-Methylphenol	2000.000	1165.519	41.7#	53	0.04
20	TPM	n-Nitroso-di-n-propylamine	1000.000	1040.721	-4.1	98	0.00
21	T	Acetophenone	1000.000	1060.696	-6.1	99	0.03
22	T	Hexachloroethane	1000.000	959.044	4.1	92	0.02
23	I	Naphthalene - d8 (I)	1000.000	1000.000	0.0	97	0.00
24	S	Nitrobenzene - d5 (S)	1000.000	1083.476	-8.3	95	0.00
25	T	Nitrobenzene	1000.000	1194.503	-19.5	104	-0.03
26	T	Isophorone	1000.000	1025.011	-2.5	91	0.00
27	TC	2-Nitrophenol	1000.000	1321.033	-32.1#	109	-0.01
28	T	2,4-Dimethylphenol	1000.000	1167.666	-16.8	112	0.00
29	T	bis(2-Chloroethoxy)methane	1000.000	1158.573	-15.9	105	0.00
30	T	Benzoic Acid	5000.000	4785.816	4.3	85	0.00
31	TC	2,4-Dichlorophenol	1000.000	1347.132	-34.7#	108	0.00
32	TM	1,2,4-Trichlorobenzene	1000.000	1062.023	-6.2	100	0.00
33	T	Naphthalene	1000.000	1058.501	-5.9	98	0.00
34	T	4-Chloroaniline	1000.000	1179.417	-17.9	89	0.01
35	TC	Hexachlorobutadiene	1000.000	1008.548	-0.9	94	0.00
36	TCM	4-Chloro-3-methylphenol	1000.000	1047.492	-4.7	97	0.04
37	T	2-Methylnaphthalene	1000.000	1100.662	-10.1	98	0.03
38	T	1-Methylnaphthalene	1000.000	1064.773	-6.5	96	0.03
39	I	Acenaphthene - d10 (I)	1000.000	1000.000	0.0	94	0.00

(#) = Out of Range

008892

Evaluate Continuing Calibration Report

Data File : H:\DATA\030405_A\AT03711.D
Acq On : 4 Mar 2005 12:14 pm
Sample : 1281-1-10 1000 8270 ocs
Misc :
MS Integration Params: Rteint.p

Vial: 3
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Fri Mar 04 12:37:28 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
40	TP	Hexachlorocyclopentadiene	1000.000	828.783	17.1	77	-0.02
41	T	2,3-Dichloroaniline	1000.000	1078.632	-7.9	88	-0.02
42	TC	2,4,6-Trichlorophenol	1000.000	1341.857	-34.2#	102	-0.02
43	T	2,4,5-Trichlorophenol	1000.000	1096.098	-9.6	99	0.00
44	S	2 - Fluorobiphenyl (S)	1000.000	1010.409	-1.0	91	0.00
45	T	2-Chloronaphthalene	1000.000	1132.800	-13.3	99	0.00
46	T	Biphenyl	1000.000	1113.286	-11.3	97	-0.01
47	T	2-Nitroaniline	1000.000	1156.331	-15.6	103	0.00
48	T	Dimethylphthalate	1000.000	1081.401	-8.1	92	0.00
49	T	Acenaphthylene	1000.000	1053.972	-5.4	89	0.00
50	T	2,6-Dinitrotoluene	1000.000	1036.716	-3.7	93	0.00
51	T	3-Nitroaniline	1000.000	661.329	33.9#	45	0.00
52	TCM	Acenaphthene	1000.000	1055.728	-5.6	94	0.00
53	TP	2,4-Dinitrophenol	5000.000	6834.074	-36.7#	121	0.00
54	TPM	4-Nitrophenol	5000.000	5358.298	-7.2	97	0.02
55	T	Dibenzofuran	1000.000	1102.411	-10.2	96	0.00
56	TM	2,4-Dinitrotoluene	1000.000	1084.992	-8.5	94	0.01
57	T	2,3,4,6-Tetrachlorophenol	1000.000	1115.844	-11.6	99	0.00
58	T	2,3,5,6-Tetrachlorophenol	1000.000	1236.317	-23.6#	100	0.00
59	T	Diethylphthalate	1000.000	1013.702	-1.4	90	0.02
60	T	Fluorene	1000.000	1117.724	-11.8	92	0.00
61	T	4-Chlorophenylphenylether	1000.000	1110.860	-11.1	97	0.01
62	T	4-Nitroaniline	1000.000	808.737	19.1	79	0.01
63	I	Phenanthrene - d10 (I)	1000.000	1000.000	0.0	91	0.00
64	T	4,6-Dinitro-2-methylphenol	5000.000	5251.612	-5.0	94	0.00
65	T	n-Nitrosodiphenylamine	1000.000	1296.589	-29.7#	110	0.00
66	S	2,4,6 - Tribromophenol (S)	1000.000	1043.530	-4.4	93	0.00
67	T	Azobenzene	1000.000	1128.848	-12.9	96	0.00
68	T	4-Bromophenylphenylether	1000.000	1092.375	-9.2	96	0.00
69	T	Hexachlorobenzene	1000.000	1007.427	-0.7	90	0.00
70	TCM	Pentachlorophenol	1000.000	1300.432	-30.0#	100	0.00
71	T	Phenanthrene	1000.000	1005.418	-0.5	88	0.00
72	T	Anthracene	1000.000	1131.000	-13.1	92	0.00
73	T	Octadecane	1000.000	1167.694	-16.8	94	0.01
74	T	Carbazole	1000.000	1081.187	-8.1	93	0.00
75	T	Di-n-butylphthalate	1000.000	1051.219	-5.1	89	0.00
76	TC	Fluoranthene	1000.000	1072.445	-7.2	86	0.00
77	TM	Pyrene	1000.000	1081.809	-8.2	89	0.00
78	T	Benzidine	-1.000	517.959	0.0	18	0.00
79	S	p - Terphenyl - d14 (S)	1000.000	1029.527	-3.0	85	0.00

(#) = Out of Range

00893

Evaluate Continuing Calibration Report

Data File : H:\DATA\030405_A\AT03711.D
Acq On : 4 Mar 2005 12:14 pm
Sample : 1281-1-10 1000 8270 ocs
Misc :
MS Integration Params: Rteint.p

Vial: 3
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Fri Mar 04 12:37:28 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
80	I	Chrysene - d12 (I)	1000.000	1000.000	0.0	91	0.00
81	T	Butylbenzylphthalate	1000.000	1044.221	-4.4	93	0.00
82	T	Benzo(a)anthracene	1000.000	1092.430	-9.2	90	0.00
83	T	3,3'-Dichlorobenzidine	1000.000	1903.216	-90.3#	148	0.00
84	T	Chrysene	1000.000	1020.683	-2.1	91	0.00
85	T	bis(2-Ethylhexyl)phthalate	1000.000	1148.645	-14.9	96	0.00
86	I	Perylene - d12 (I)	1000.000	1000.000	0.0	94	0.00
87	TC	Di-n-octylphthalate	1000.000	1157.503	-15.8	96	0.00
88	T	Benzo(b)fluoranthene	1000.000	1031.674	-3.2	98	0.00
89	T	benzo(k)fluoranthene	1000.000	1123.993	-12.4	90	0.00
90	T	Benzofluoranthenes	2000.000	2273.750	-13.7	93	0.00
91	TC	Benzo(a)pyrene	1000.000	1210.075	-21.0#	95	0.00
92	T	Indeno(1,2,3-cd)pyrene	1000.000	1055.353	-5.5	97	0.00
93	T	Dibenz(a,h)anthracene	1000.000	1027.986	-2.8	96	0.00
94	T	Benzo(g,h,i)perylene	1000.000	1125.863	-12.6	93	0.00

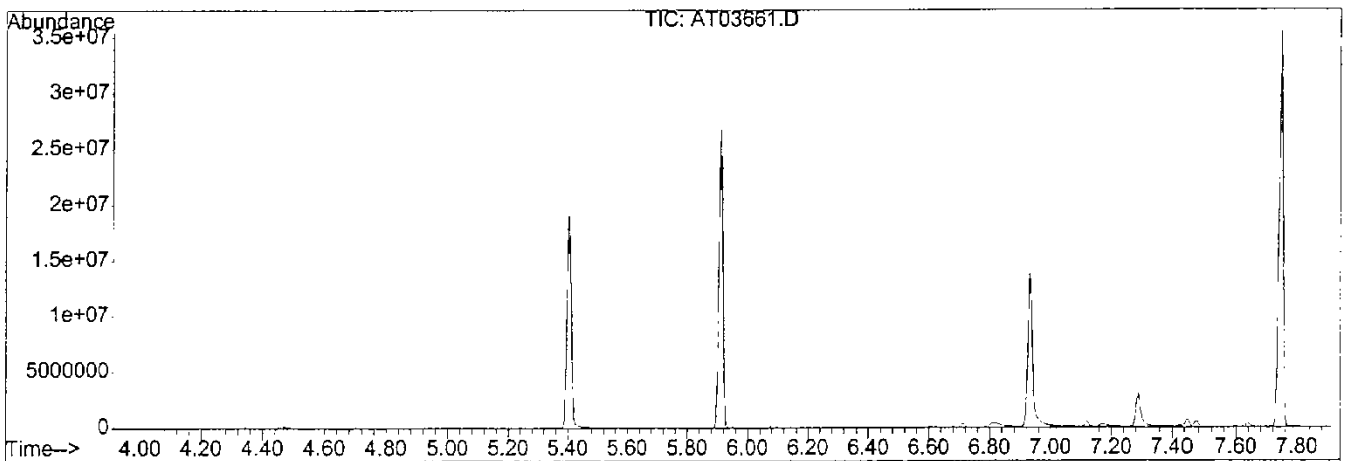
DFTPP TUNING

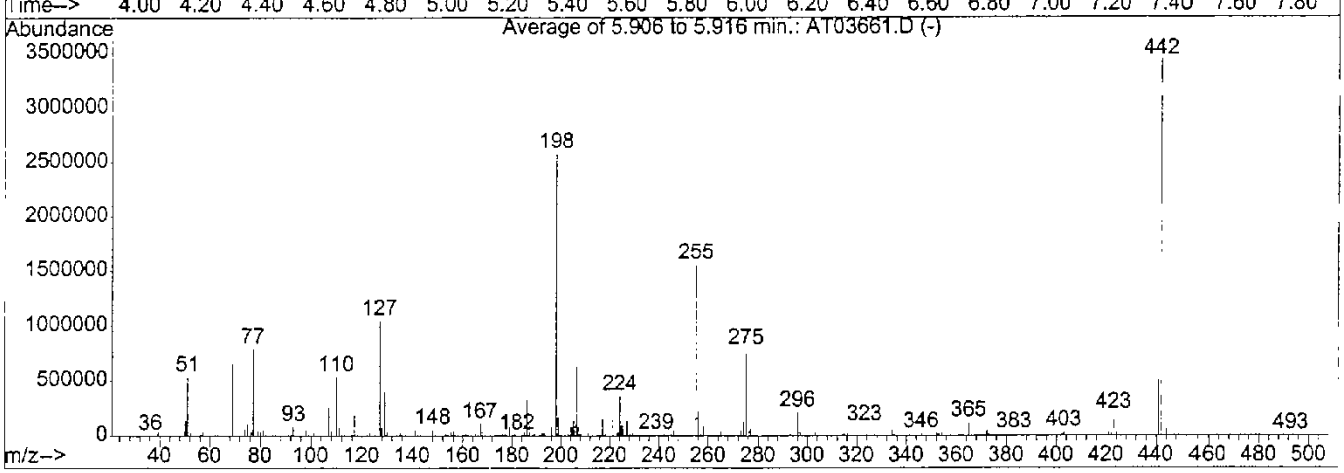
56800

DFTPP

Data File : H:\DATA\022505_A\AT03661.D
Acq On : 25 Feb 2005 7:30 am
Sample : dftpp
Misc :
MS Integration Params: rteint.p
Method : H:\METHODSSEMI\DFTPP.M (RTE Integrator)
Title : DFTPP8270; PCP; Benzidine and DDT evaluation

Vial: 2
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00





AutoFind: Scans 529, 530, 531; Background Corrected with Scan 523

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	442	10	80	15.5	534964	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	25.4	655253	PASS
70	69	0.00	2	0.5	3363	PASS
127	442	10	80	30.4	1046378	PASS
197	198	0.00	1	0.0	0	PASS
198	442	50	100	74.8	2577408	PASS
199	198	5	9	6.7	172010	PASS
275	442	10	60	22.6	779050	PASS
365	442	1	100	3.3	114696	PASS
441	443	0.01	100	75.9	506005	PASS
442	442	50	100	100.0	3444736	PASS
443	442	15	24	19.4	667008	PASS

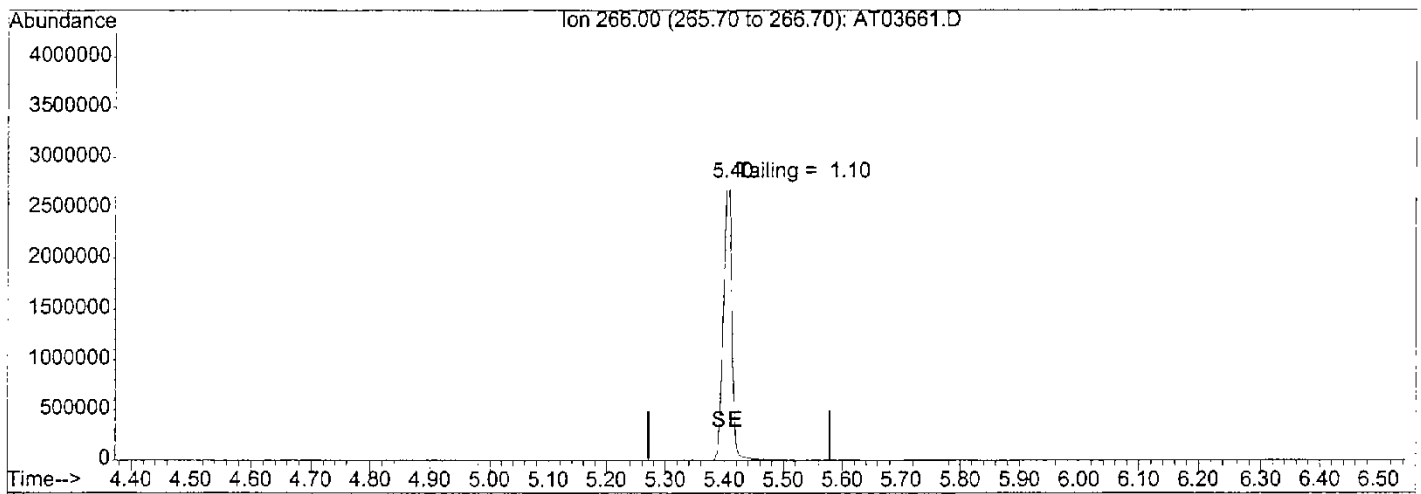
AT03661.D DFTPP.M Mon Feb 28 11:39:04 2005 MSD1

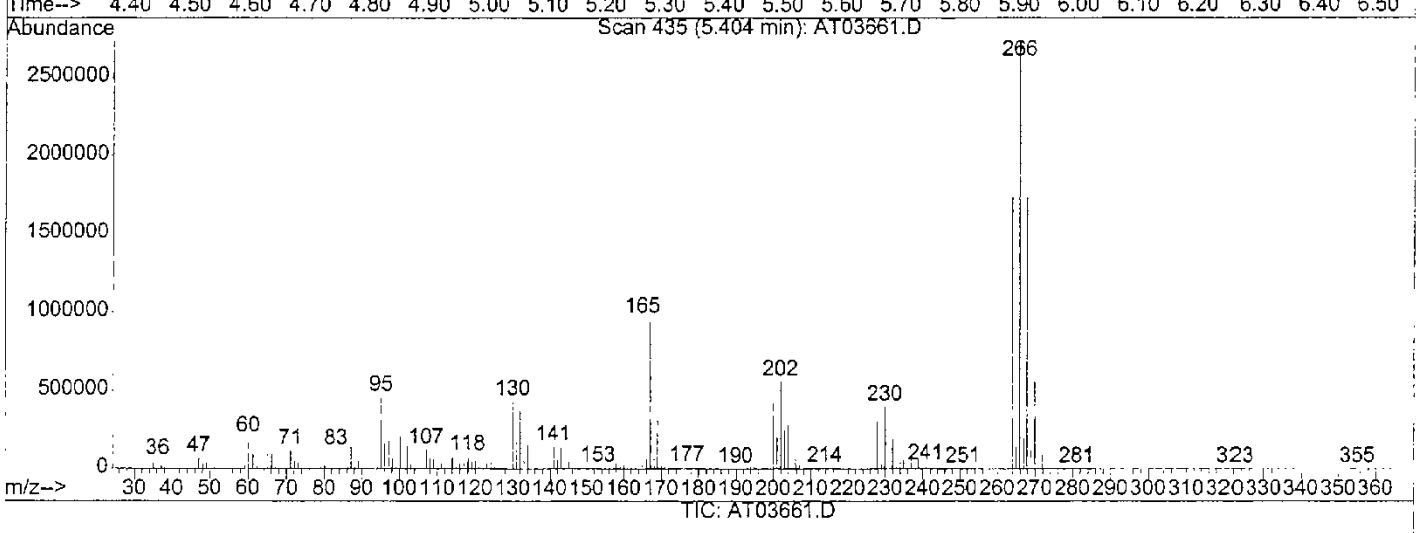
Quantitation Report (Qedit)

Data File : H:\DATA\022505_A\AT03661.D
Acq On : 25 Feb 2005 7:30 am
Sample : dftpp
Misc :
MS Integration Params: rteint.p
Quant Time: Feb 25 12:31 2005

Vial: 2
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: temp.res

Method : H:\METHODSSEMI\DFTPP.M (RTE Integrator)
Title : DFTPP8270; PCP; Benzidine and DDT evaluation
Last Update : Mon Feb 14 13:53:47 2005
Response via : Single Level Calibration





(1) Pentachlorophenol (T)

5.40min 13.09

response 2738176

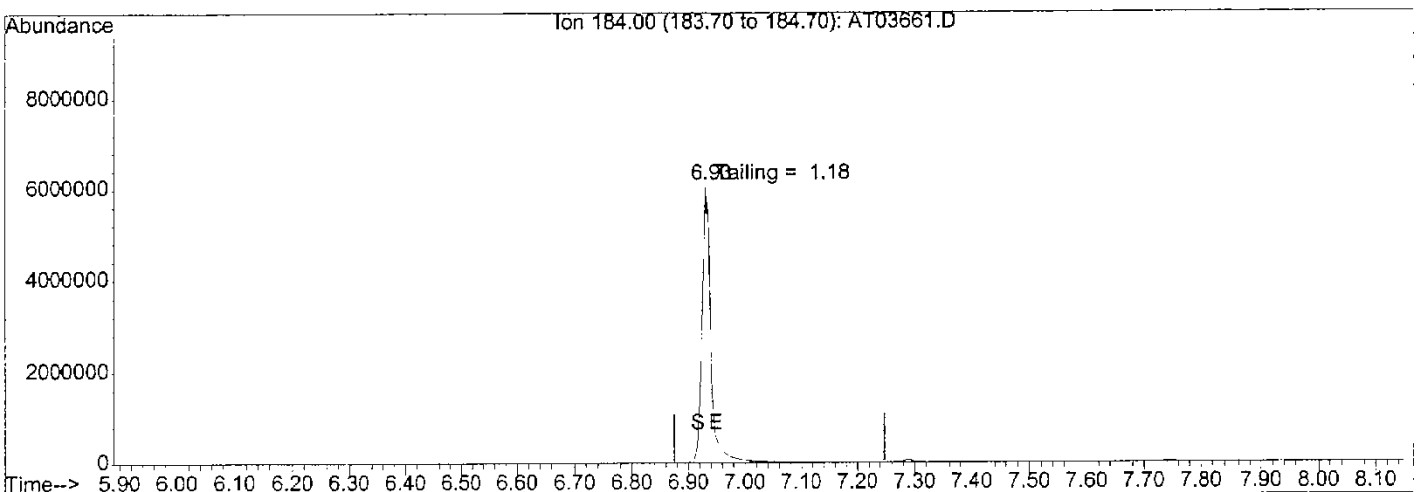
Ion	Exp%	Act%
266.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

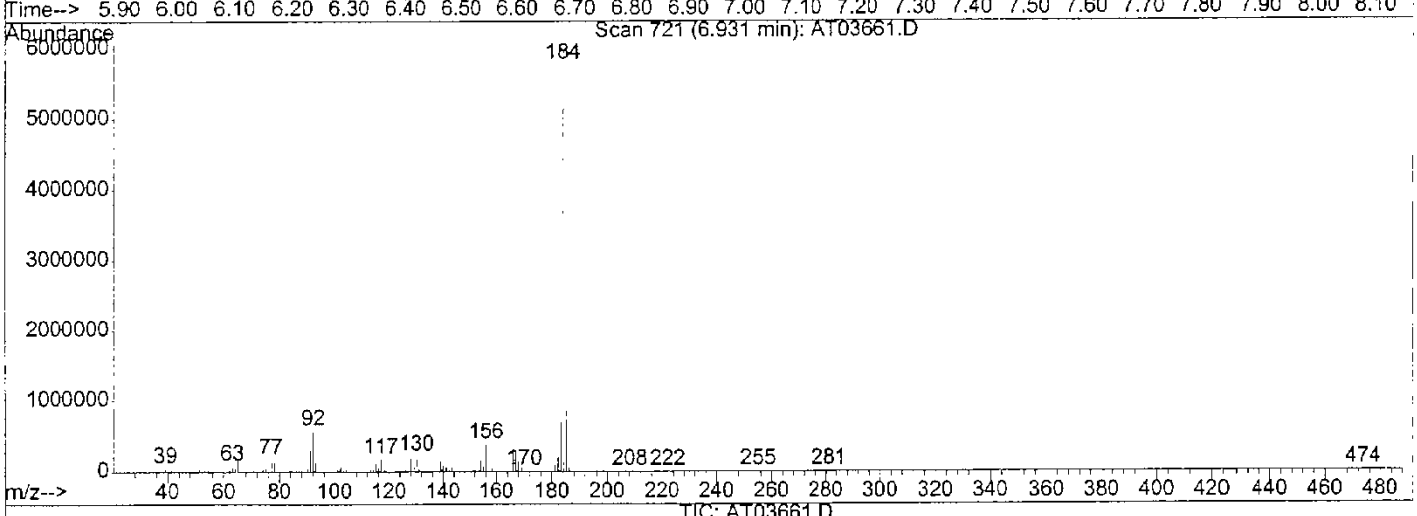
Quantitation Report (Qedit)

Data File : H:\DATA\022505_A\AT03661.D
Acq On : 25 Feb 2005 7:30 am
Sample : dftpp
Misc :
MS Integration Params: rteint.p
Quant Time: Feb 25 12:31 2005

Vial: 2
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: temp.res

Method : H:\METHODSSEMI\DFTPP.M (RTE Integrator)
Title : DFTPP8270; PCP; Benzidine and DDT evaluation
Last Update : Mon Feb 14 13:53:47 2005
Response via : Single Level Calibration





(3) Benzidine (T)

6.93min 7.82

response 6063689

Ion	Exp%	Act%
184.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

000898

Data File Name **AT03661.D**
Data File Path **H:\DATA\022505_A**
Operator **RBF**
Date Aquired 2/25/2005 7:30
DFTPP1
Sample Name **dftpp**

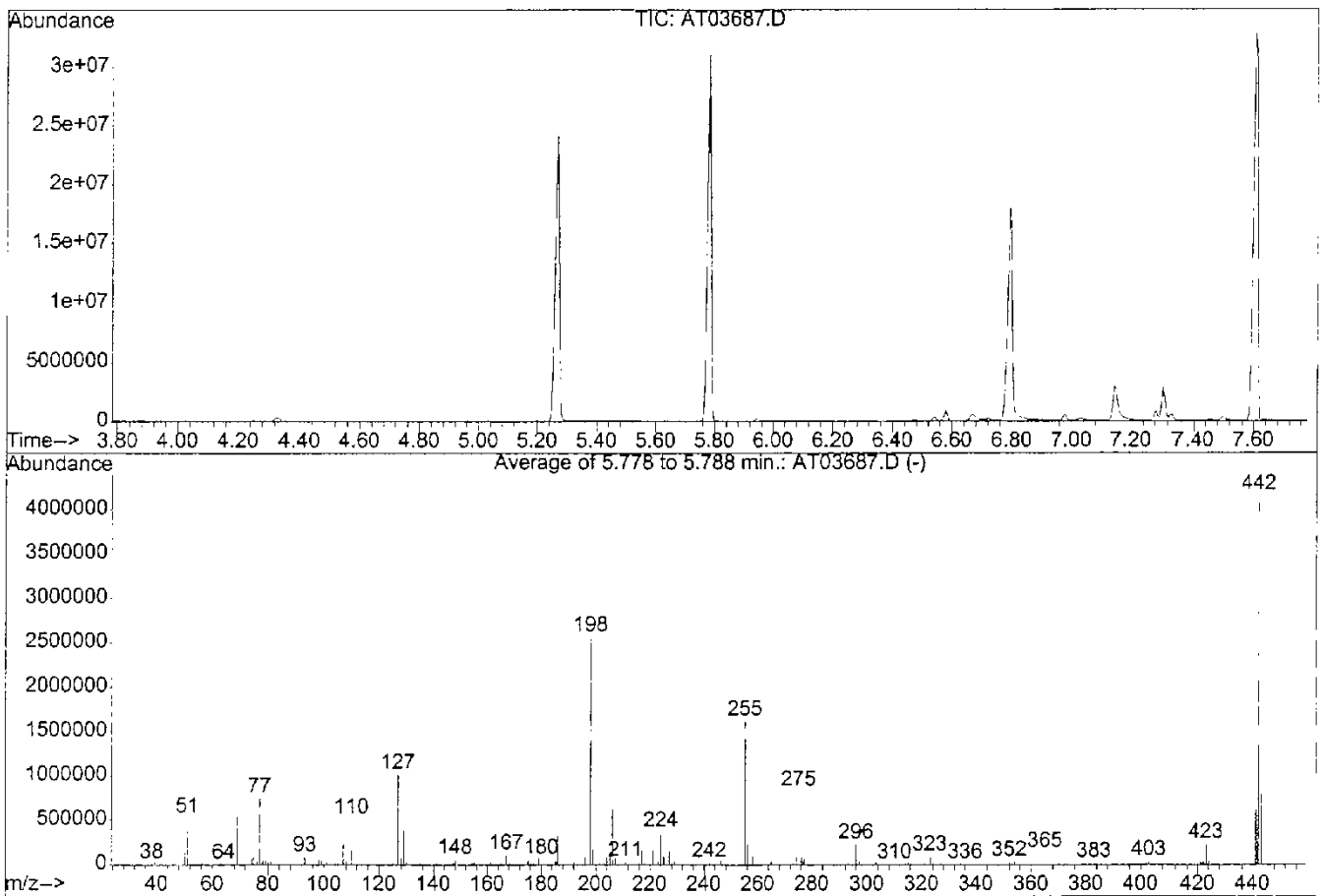
#	Name	Ret Time	Target Response	Percent Breakdown
4)	DDT	7.75	7257581	1.81%
5)	DDD	7.47	80152	Pass
6)	DDE	7.12	53259	
		SUM	7390992	

66800

DFTPP

Data File : H:\DATA\030105_A\AT03687.D
Acq On : 1 Mar 2005 7:09 am
Sample : dftpp
Misc :
MS Integration Params: rteint.p
Method : H:\METHODSSEMI\DFTPP.M (RTE Integrator)
Title : DFTPP8270; PCP; Benzidine and DDT evaluation

Vial: 2
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00



AutoFind: Scans 505, 506, 507; Background Corrected with Scan 498

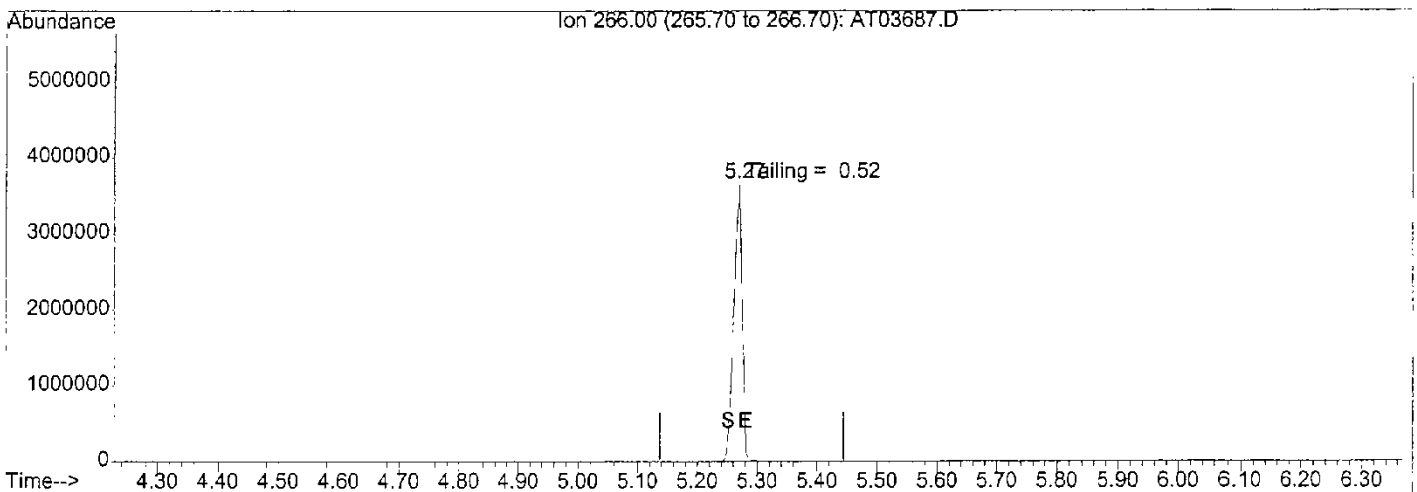
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	442	10	80	12.5	521098	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	24.9	637912	PASS
70	69	0.00	2	0.5	3138	PASS
127	442	10	80	24.2	1013845	PASS
197	198	0.00	1	0.0	0	PASS
198	442	50	100	61.2	2561194	PASS
199	198	5	9	6.7	171338	PASS
275	442	10	60	19.6	820501	PASS
365	442	1	100	3.1	128213	PASS
441	443	0.01	100	76.2	617664	PASS
442	442	50	100	100.0	4183210	PASS
443	442	15	24	19.4	811029	PASS

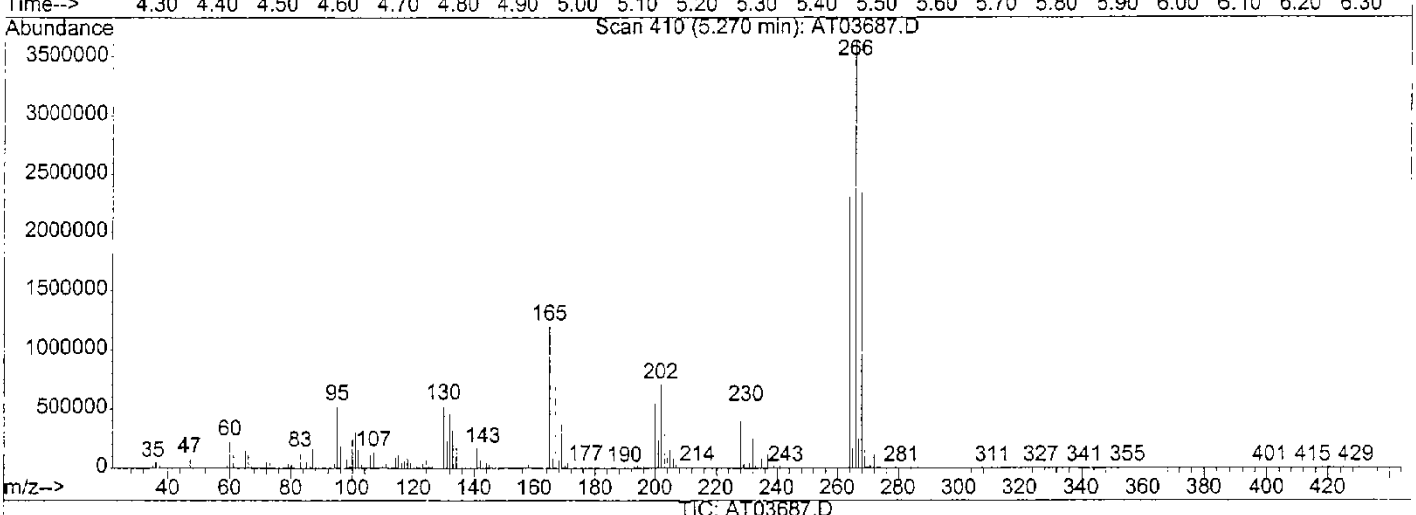
Quantitation Report (Qedit)

Data File : H:\DATA\030105_A\AT03687.D
Acq On : 1 Mar 2005 7:09 am
Sample : dftpp
Misc :
MS Integration Params: rteint.p
Quant Time: Mar 1 7:28 2005

Vial: 2
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: temp.res

Method : H:\METHODSSEMI\DFTPP.M (RTE Integrator)
Title : DFTPP8270; PCP; Benzidine and DDT evaluation
Last Update : Mon Feb 28 13:52:04 2005
Response via : Single Level Calibration





(1) Pentachlorophenol (T)

5.27min 17.41

response 3641856

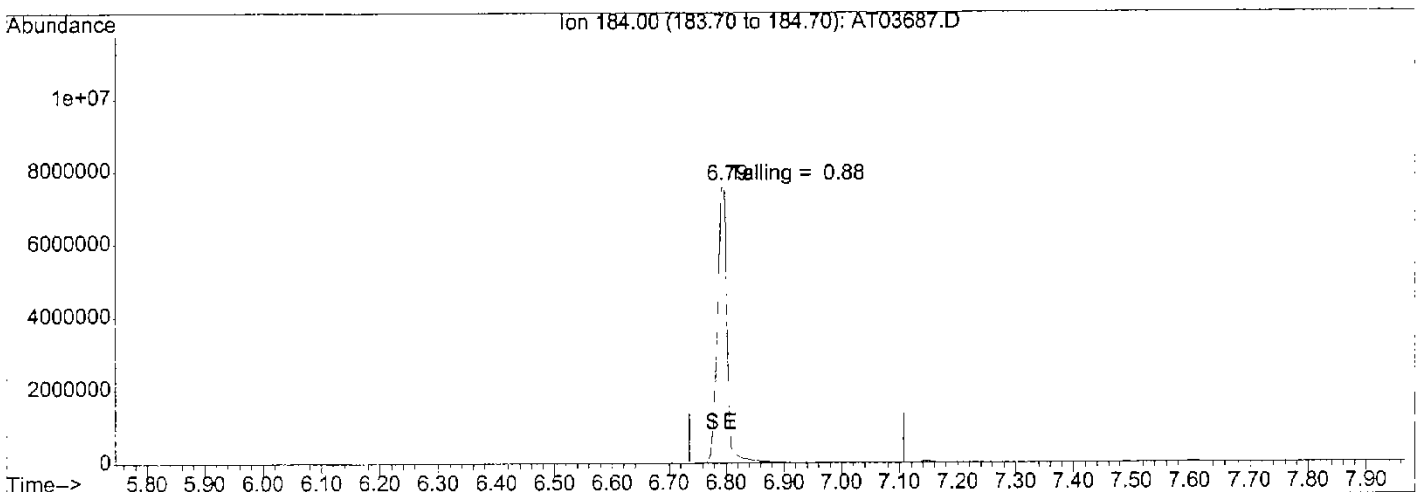
Ion	Exp%	Act%
266.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

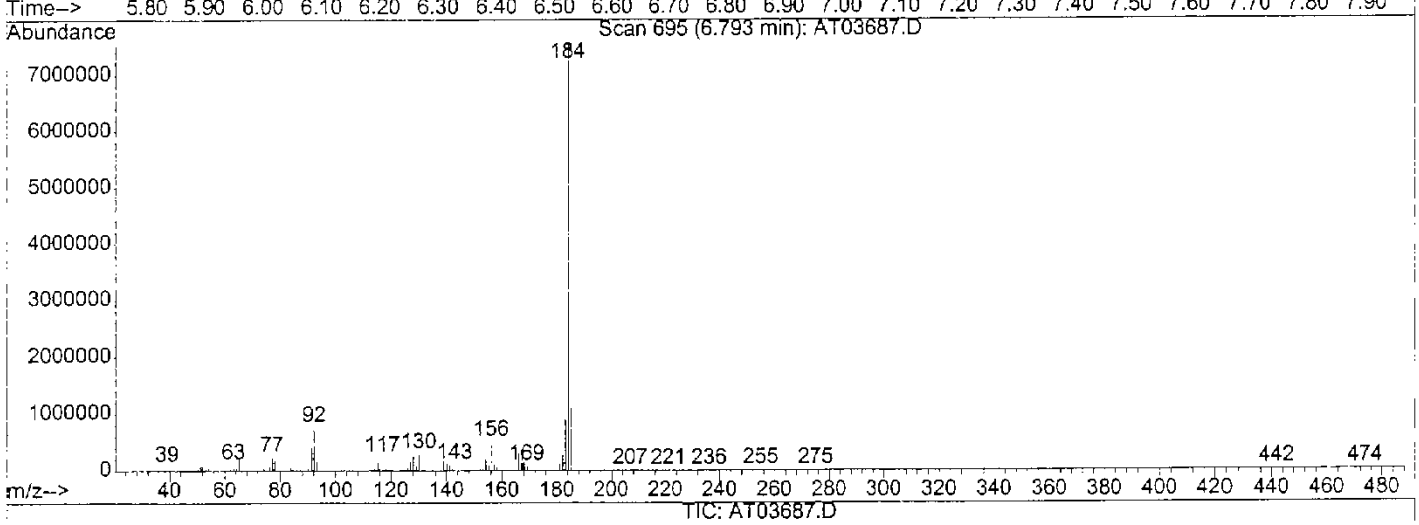
Quantitation Report (Qedit)

Data File : H:\DATA\030105_A\AT03687.D
Acq On : 1 Mar 2005 7:09 am
Sample : dftpp
Misc :
MS Integration Params: rteint.p
Quant Time: Mar 1 7:28 2005

Vial: 2
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: temp.res

Method : H:\METHODSSEMI\DFTPP.M (RTE Integrator)
Title : DFTPP8270; PCP; Benzidine and DDT evaluation
Last Update : Mon Feb 28 13:52:04 2005
Response via : Single Level Calibration





(3) Benzidine (T)

6.79min 9.77

response 7570636

Ion	Exp%	Act%
184.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Data File Name **AT03687.D**
Data File Path **H:\DATA\030105_A**
Operator **RBF**
Date Aquired 3/1/2005 7:09
DFTPP1
Sample Name **dftpp**

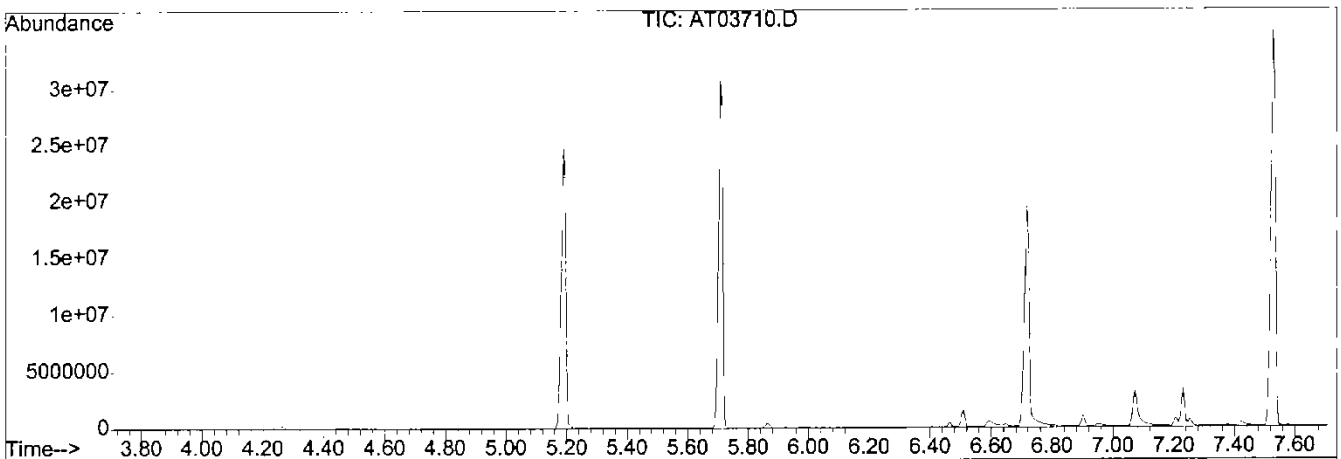
#	Name	Ret Time	Target Response	Percent Breakdown
4)	DDT	7.60	7409881	7.15%
5)	DDD	7.31	518261	Pass
6)	DDE	6.98	52215	
		SUM	7980357	

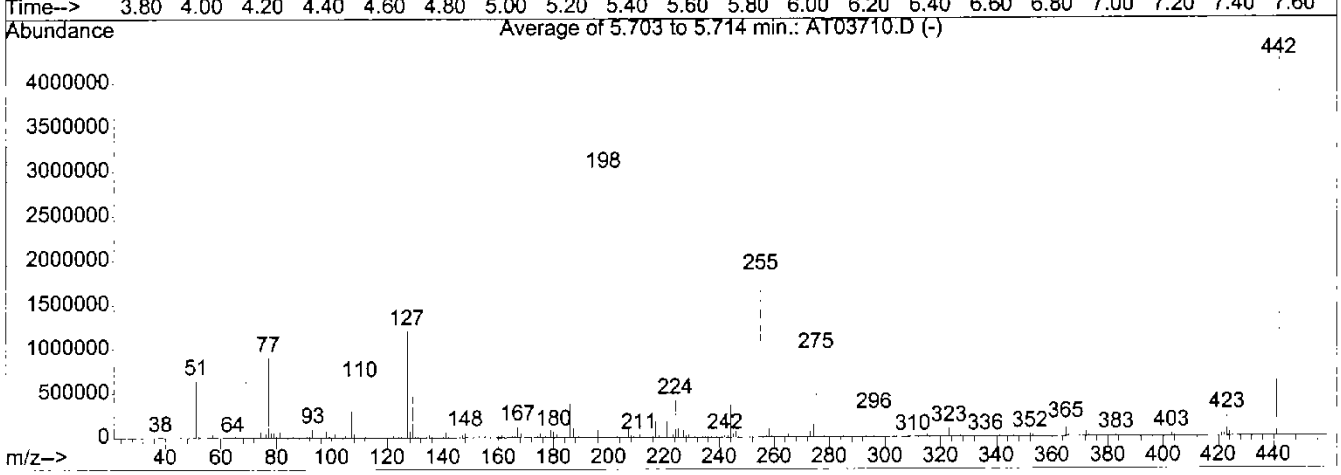
00903

DFTPP

Data File : H:\DATA\030405_A\AT03710.D
Acq On : 4 Mar 2005 11:58 am
Sample : dftpp
Misc :
MS Integration Params: rteint.p
Method : H:\METHODSSEMI\DFTPP.M (RTE Integrator)
Title : DFTPP8270; PCP; Benzidine and DDT evaluation

Vial: 2
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00





AutoFind: Scans 491, 492, 493; Background Corrected with Scan 484

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	442	10	80	15.2	645854	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	26.4	785233	PASS
70	69	0.00	2	0.4	3522	PASS
127	442	10	80	28.3	1206954	PASS
197	198	0.00	1	0.0	0	PASS
198	442	50	100	69.8	2973525	PASS
199	198	5	9	6.8	200981	PASS
275	442	10	60	21.9	931349	PASS
365	442	1	100	3.2	135440	PASS
441	443	0.01	100	75.5	630378	PASS
442	442	50	100	100.0	4261888	PASS
443	442	15	24	19.6	835370	PASS

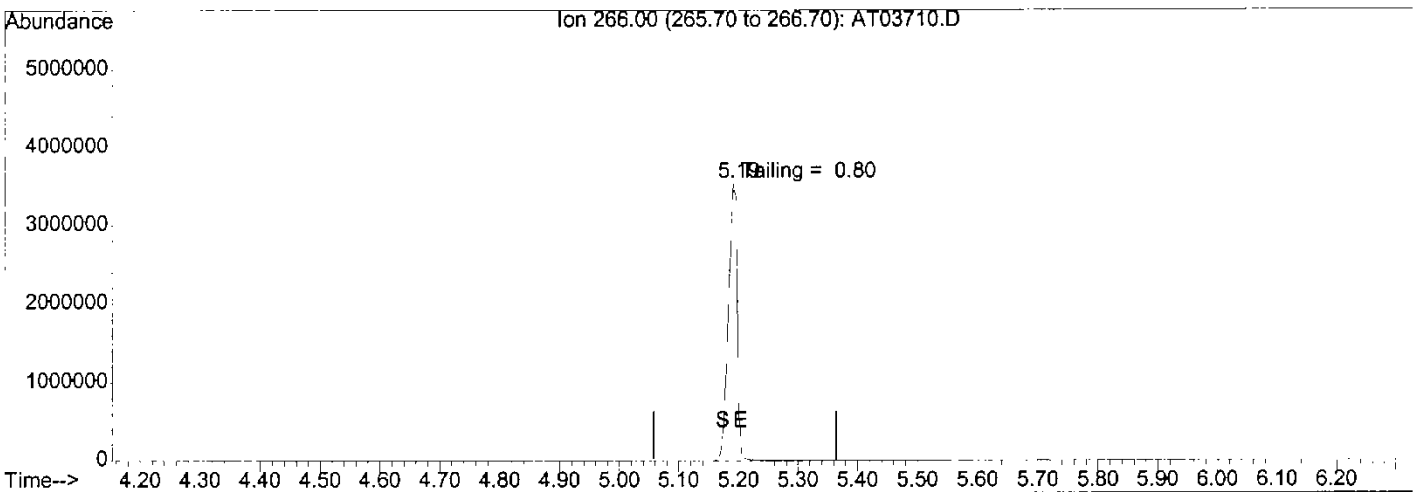
AT03710.D DFTPP.M Fri Mar 04 13:33:14 2005 MSD1

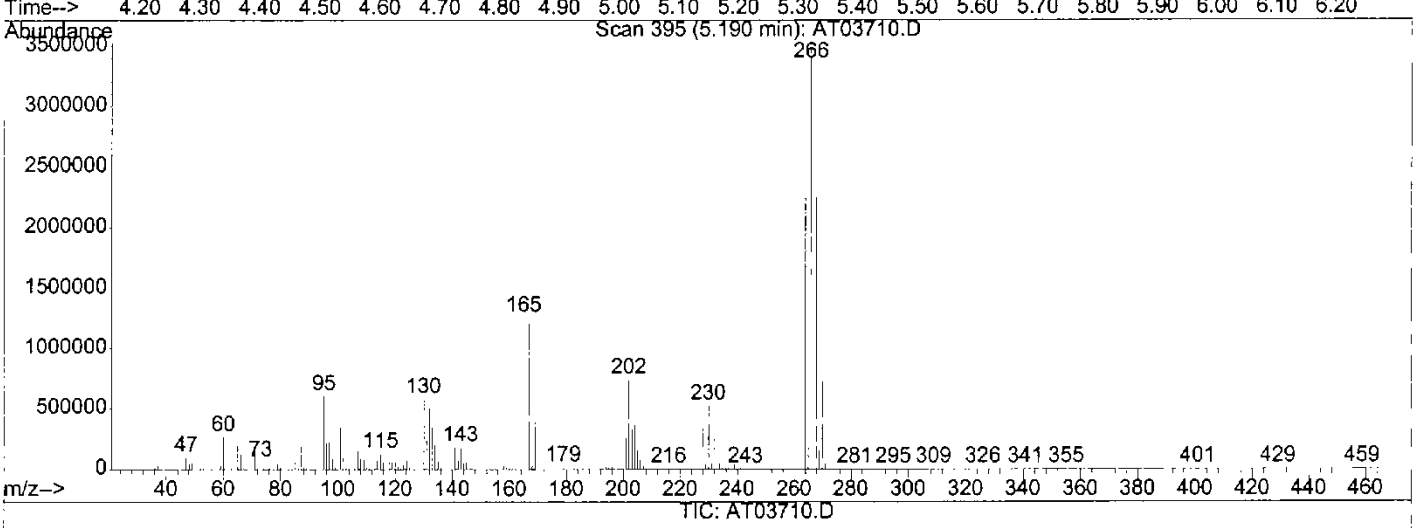
Quantitation Report (Qedit)

Data File : H:\DATA\030405_A\AT03710.D
Acq On : 4 Mar 2005 11:58 am
Sample : dftpp
Misc :
MS Integration Params: rteint.p
Quant Time: Mar 4 12:23 2005

Vial: 2
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: temp.res

Method : H:\METHODSSEMI\DFTPP.M (RTE Integrator)
Title : DFTPP8270; PCP; Benzidine and DDT evaluation
Last Update : Fri Mar 04 12:21:49 2005
Response via : Single Level Calibration





TIC: AT03710.D

(1) Pentachlorophenol (T)

5.19min 16.88

response 3530240

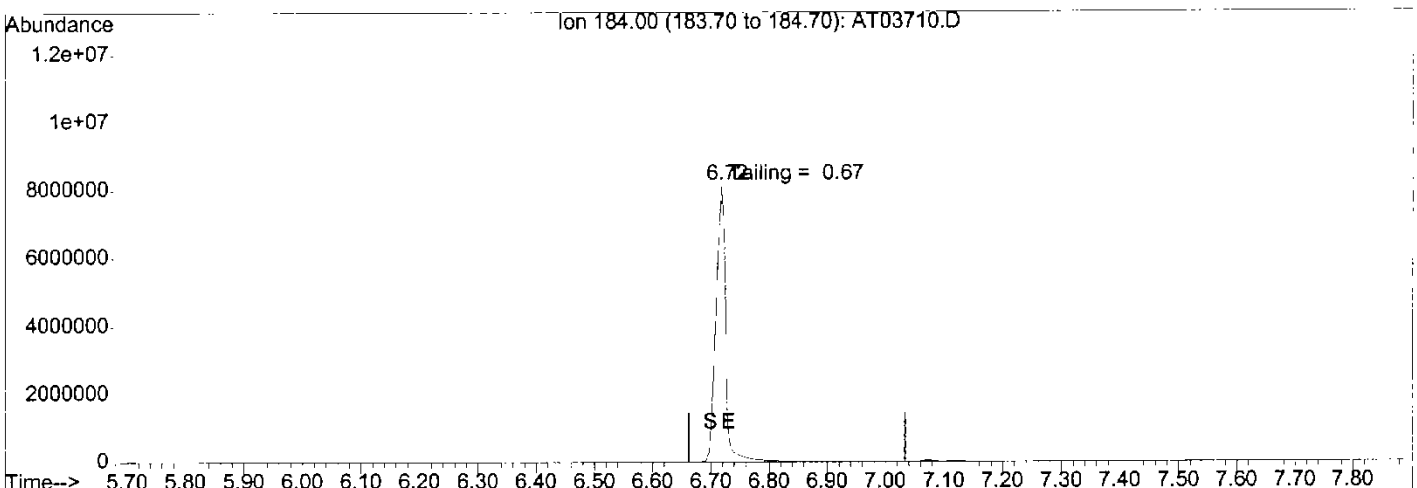
Ion	Exp%	Act%
266.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

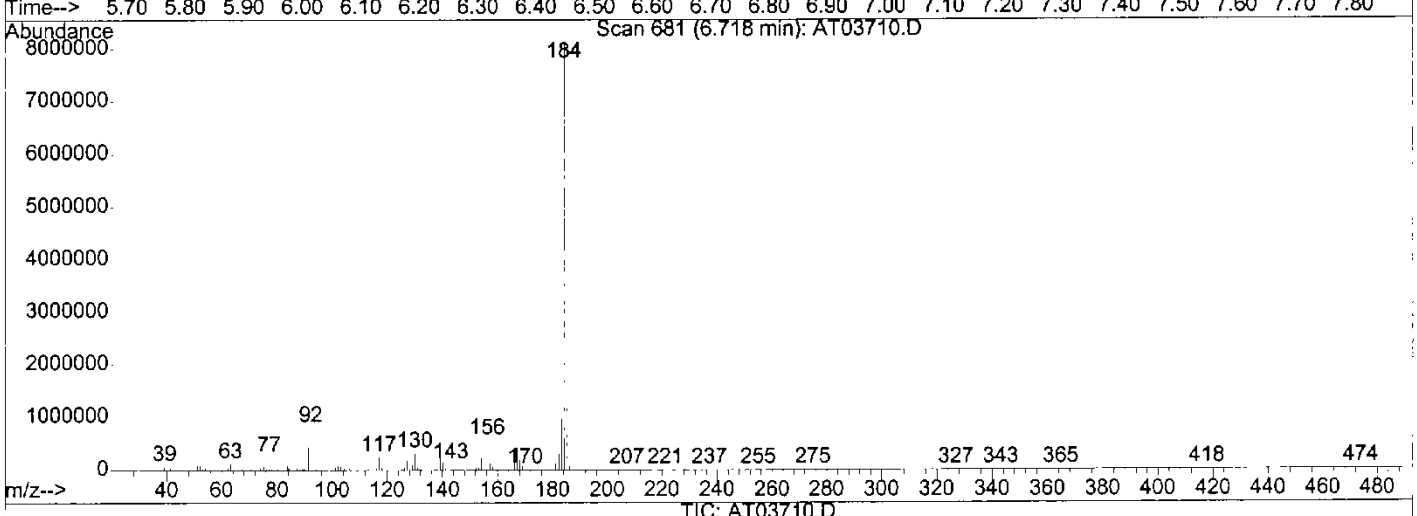
Quantitation Report (Qedit)

Data File : H:\DATA\030405_A\AT03710.D
Acq On : 4 Mar 2005 11:58 am
Sample : dftpp
Misc :
MS Integration Params: rteint.p
Quant Time: Mar 4 12:23 2005

Vial: 2
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: temp.res

Method : H:\METHODSSEMI\DFTPP.M (RTE Integrator)
Title : DFTPP8270; PCP; Benzidine and DDT evaluation
Last Update : Fri Mar 04 12:21:49 2005
Response via : Single Level Calibration





(3) Benzidine (T)

6.72min 10.48

response 8120924

Ion	Exp%	Act%
184.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

000600

Data File Name **AT03710.D**
Data File Path **H:\DATA\030405_A**
Operator **RBF**
Date Aquired 3/4/2005 11:58
DFTPP1
Sample Name **dftpp**

#	Name	Ret Time	Target Response	Percent Breakdown
4)	DDT	7.53	7825408	8.53%
5)	DDD	7.23	631842	Pass
6)	DDE	6.90	98013	
		SUM	8555263	

METHOD BLANK

00908

Quantitation Report (Not Reviewed)

Data File : H:\DATA\022505_A\AT03671.D
Acq On : 25 Feb 2005 12:42 pm
Sample : ss1343 mb #20 &1
Misc :
MS Integration Params: Rteint.p
Quant Time: Feb 25 14:30:42 2005

Vial: 12
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: 8270_022505.RES

Quant Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Fri Feb 25 12:17:02 2005
Response via : Initial Calibration
DataAcq Meth : 8270

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4 (I)	5.56	152	288007	1000.000 ug/L	0.00
23) Naphthalene - d8 (I)	6.67	136	1140223	1000.000 ug/L	0.00
39) Acenaphthene - d10 (I)	8.13	162	601892	1000.000 ug/L	0.00
63) Phenanthrene - d10 (I)	9.45	188	1064713	1000.000 ug/L	0.00
80) Chrysene - d12 (I)	12.33	240	1171204	1000.000 ul/l	0.00
86) Perylene - d12 (I)	14.00	264	1118502	1000.000 ug/L	0.00
System Monitoring Compounds					
4) 2 - Fluorophenol (S)	4.30	112	128032	530.93 ug/L	-0.03
8) Phenol - d5 (S)	5.25	99	176051	648.64 ug/L	0.00
24) Nitrobenzene - d5 (S)	6.05	82	48704	208.32 ug/L	-0.01
44) 2 - Fluorobiphenyl (S)	7.58	172	349329	537.90 ug/L	0.00
66) 2,4,6 - Tribromophenol (S)	8.80	330	58299	569.66 ug/L	0.00
79) p - Terphenyl - d14 (S)	11.15	244	549666	852.68 ug/L	0.00
Target Compounds					Qvalue
2) N-Nitrosodimethylamine	2.78	74	258	~~234.569 ug/L~~	80
5) Cyclohexanone	4.57	55	2807	~~14.857 ul/L~~	68
9) Phenol	5.29	94	1807	~~6.244 ug/L~~	57
16) 1,2-Dichlorobenzene	5.71	146	2916	8.337 ug/L	96
21) Acetophenone	5.93	105	1887	10.778 ul/L	75
22) Hexachloroethane	6.00	201	751	5.613 ug/L	93
30) Benzoic Acid	6.44	105	22169	519.162 ug/L	91
32) 1,2,4-Trichlorobenzene	6.62	180	3239	11.105 ug/L	94
36) 4-Chloro-3-methylphenol	7.15	107	415	~~38.760 ug/L~~	82
51) 3-Nitroaniline	8.11	138	48	Below Cal #	32
53) 2,4-Dinitrophenol	8.16	184	55	~~344.119 ug/L~~	51
56) 2,4-Dinitrotoluene	8.33	165	133	~~31.961 ug/L~~	74
59) Diethylphthalate	8.51	149	21418	35.829 ug/L	92
75) Di-n-butylphthalate	10.08	149	1112409	1192.176 ug/L	100
81) Butylbenzylphthalate	11.74	149	32916	146.995 ug/L	100
83) 3,3'-Dichlorobenzidine	12.32	252	387	28.968 ug/L	83
85) bis(2-Ethylhexyl)phthalate	12.44	149	177445	322.918 ug/L	98
92) Indeno(1,2,3-cd)pyrene	15.58	276	365	~~19.765 ug/L~~	60
93) Dibenz(a,h)anthracene	15.68	278	122	~~12.779 ug/L~~	67

(#) = qualifier out of range (m) = manual integration

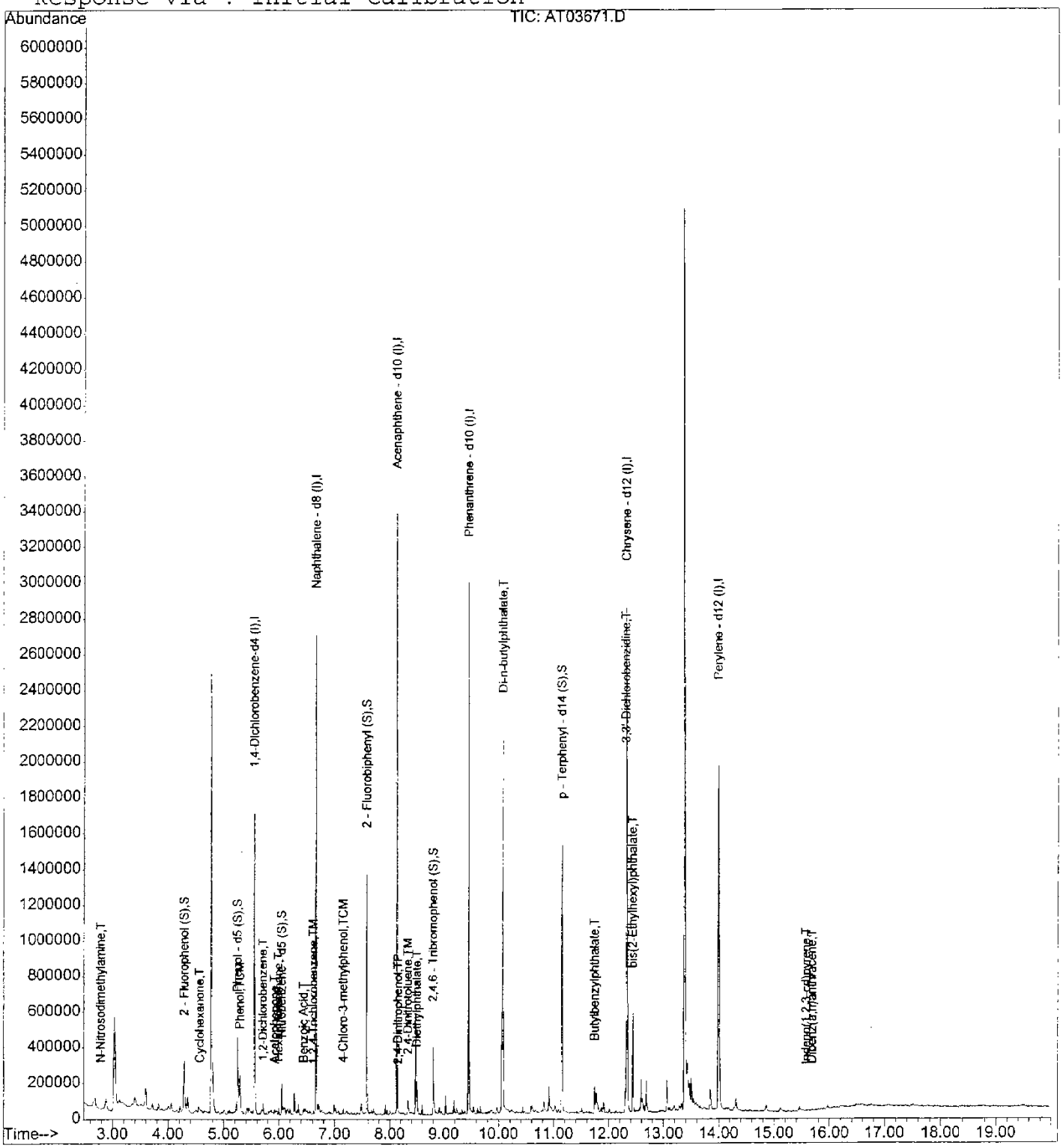
000600

Quantitation Report (Not Reviewed)

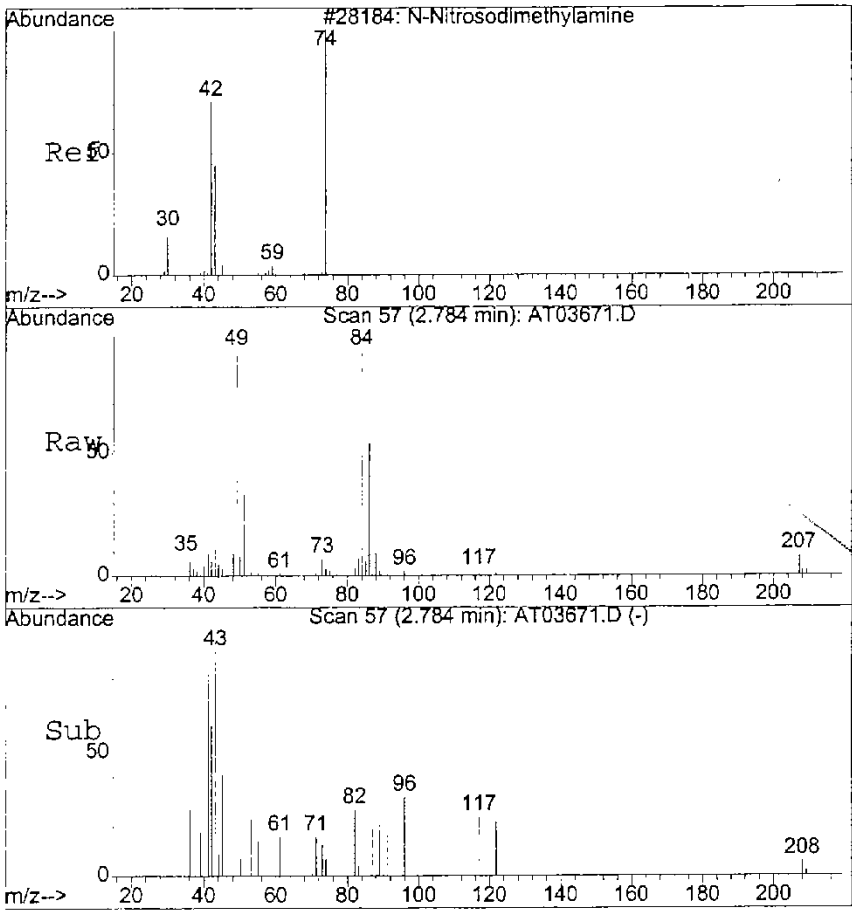
Data File : H:\DATA\022505_A\AT03671.D
Acq On : 25 Feb 2005 12:42 pm
Sample : ss1343 mb #20 &1
Misc :
MS Integration Params: Rteint.p
Quant Time: Feb 25 14:31 2005

Vial: 12
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: 8270_022505.

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Fri Feb 25 12:17:02 2005
Response via : Initial Calibration



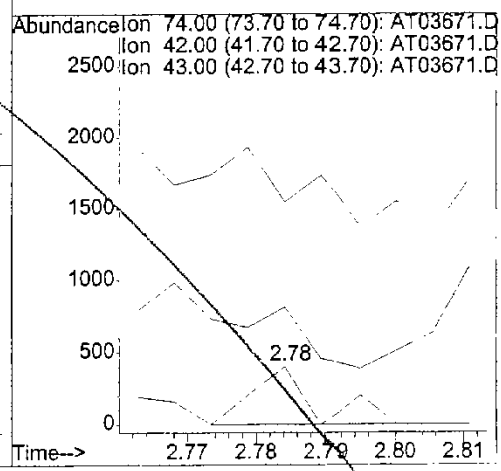
001600

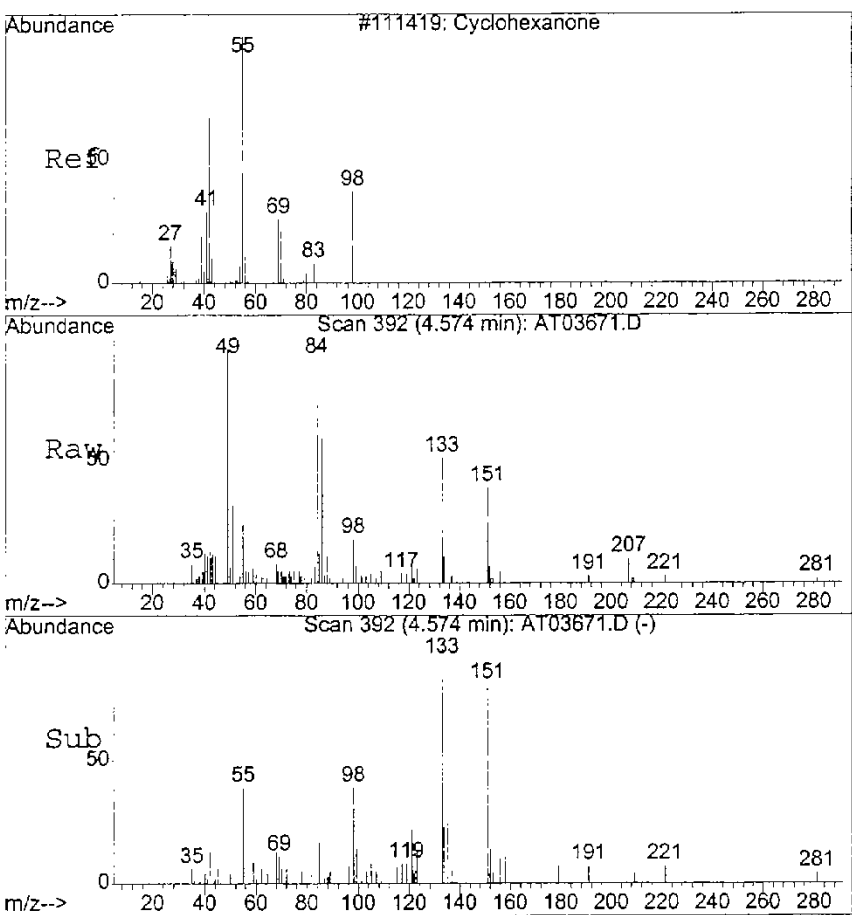


#2
N-Nitrosodimethylamine
Concen: 234.57 ug/L
RT: 2.78 min Scan# 57
Delta R.T. 0.14 min
Lab File: AT03671.D
Acq: 25 Feb 2005 12:42 pm

Tgt Ion: 74 Resp: 258

Ion	Ratio	Lower	Upper
74	100		
42	48.0	22.6	82.6
43	0.0	0.0	53.8

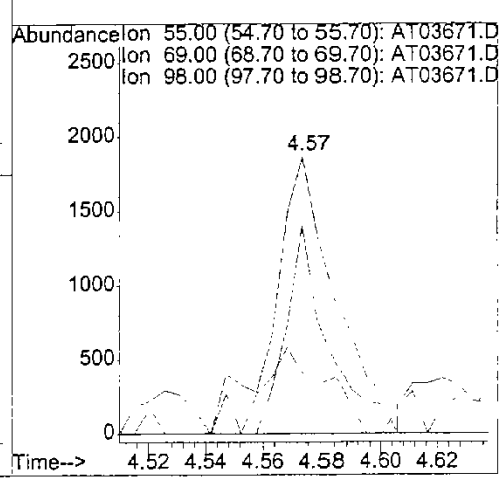




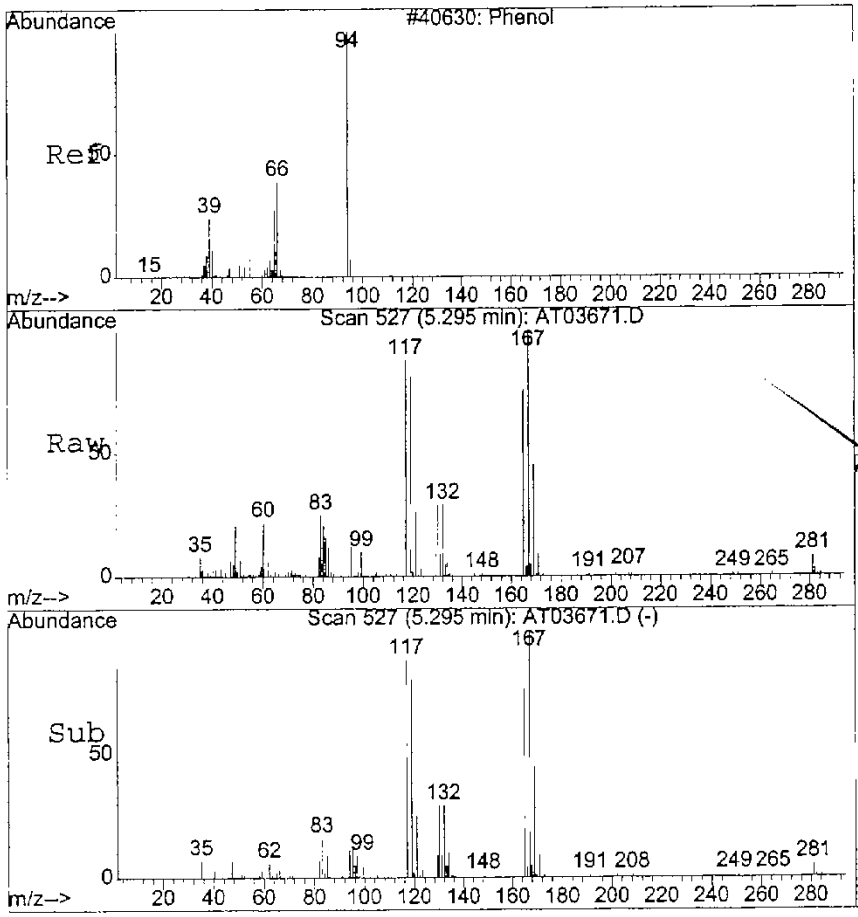
#5
Cyclohexanone
Concen: 14.86 ul/L
RT: 4.57 min Scan# 392
Delta R.T. -0.00 min
Lab File: AT03671.D
Acq: 25 Feb 2005 12:42 pm

Tgt Ion: 55 Resp: 2807

Ion	Ratio	Lower	Upper
55	100		
69	18.5	4.6	64.6
98	79.3	24.8	84.8



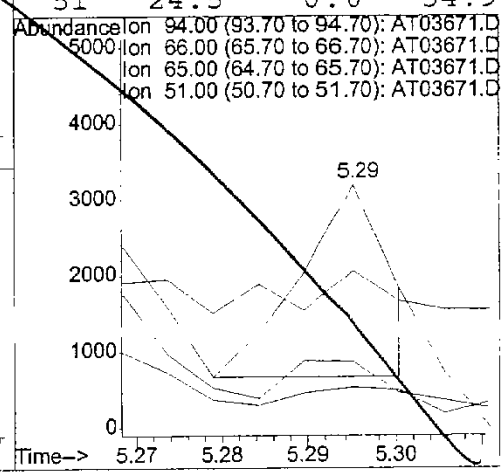
00911

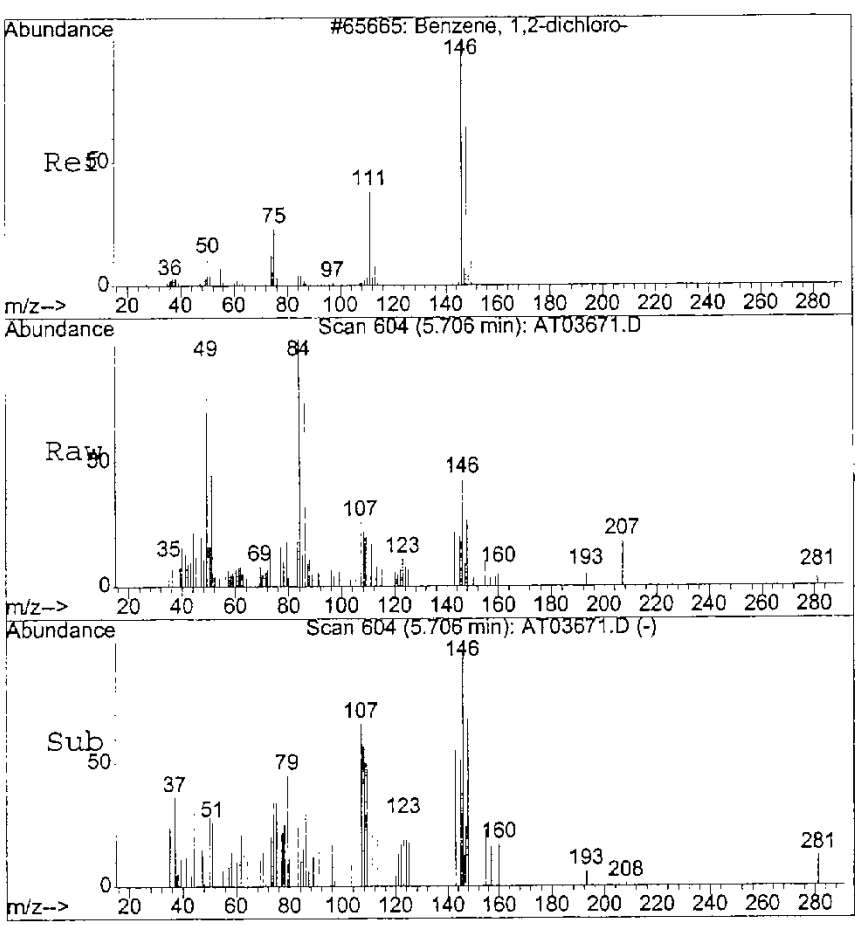


#9
Phenol
Concen: 6.24 ug/L
RT: 5.29 min Scan# 527
Delta R.T. 0.02 min
Lab File: AT03671.D
Acq: 25 Feb 2005 12:42 pm

Tgt Ion: 94 Resp: 1807

Ion	Ratio	Lower	Upper
94	100		
66	19.1	14.1	74.1
65	5.3	1.3	61.3
51	24.5	0.0	34.9

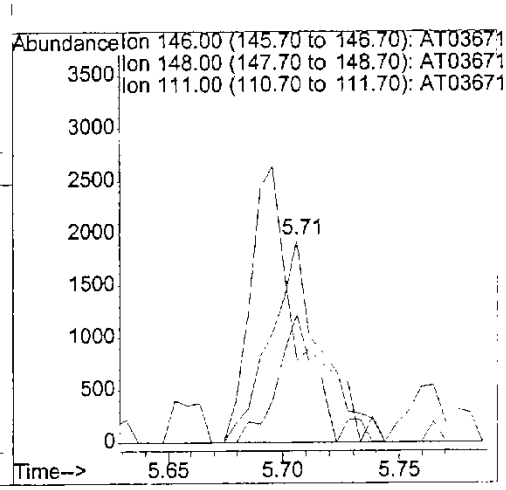




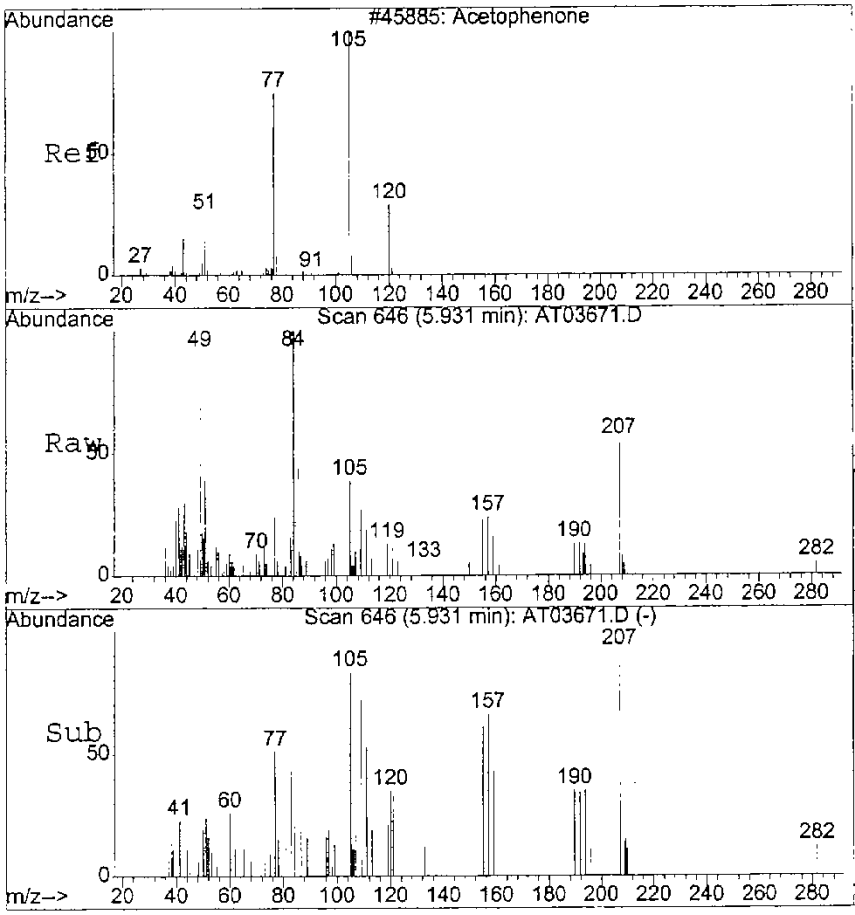
#16
1,2-Dichlorobenzene
Concen: 8.34 ug/L
RT: 5.71 min Scan# 604
Delta R.T. 0.00 min
Lab File: AT03671.D
Acq: 25 Feb 2005 12:42 pm

Tgt Ion:146 Resp: 2916

Ion	Ratio	Lower	Upper
146	100		
148	63.0	35.2	95.2
111	35.7	8.7	68.7



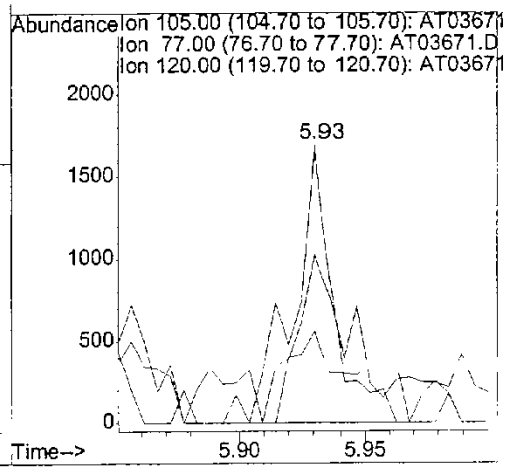
000912

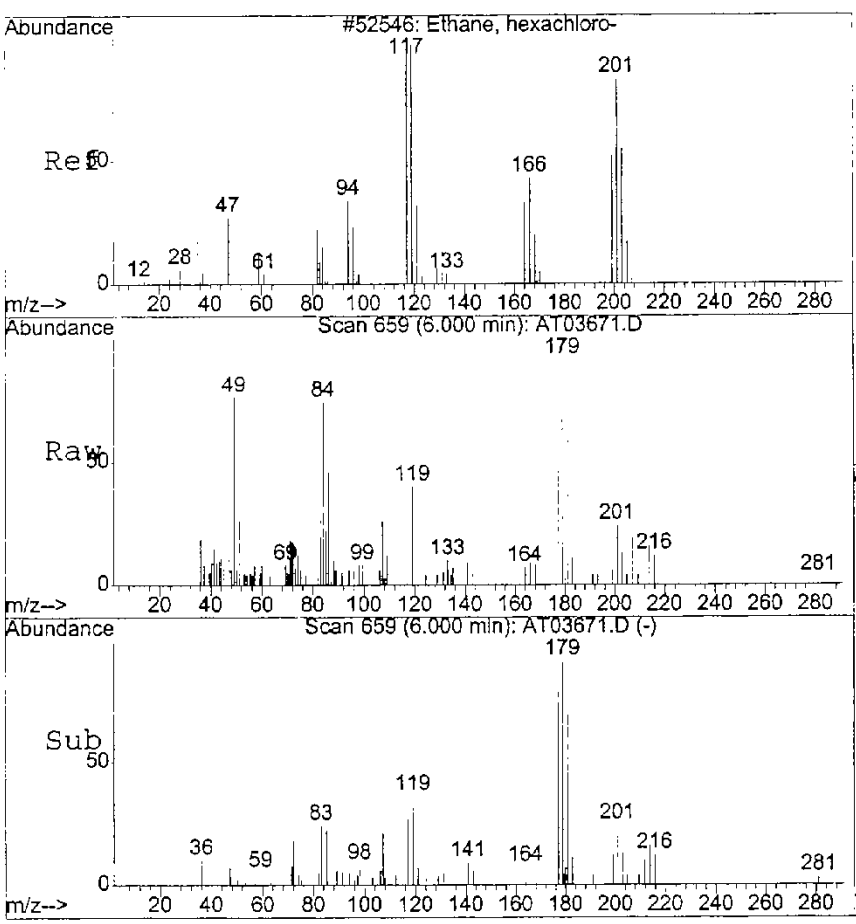


#21
Acetophenone
Concen: 10.78 ul/L
RT: 5.93 min Scan# 646
Delta R.T. 0.00 min
Lab File: AT03671.D
Acq: 25 Feb 2005 12:42 pm

Tgt Ion:105 Resp: 1887

Ion	Ratio	Lower	Upper
105	100		
77	79.2	78.1	138.1
120	38.8	0.5	60.5

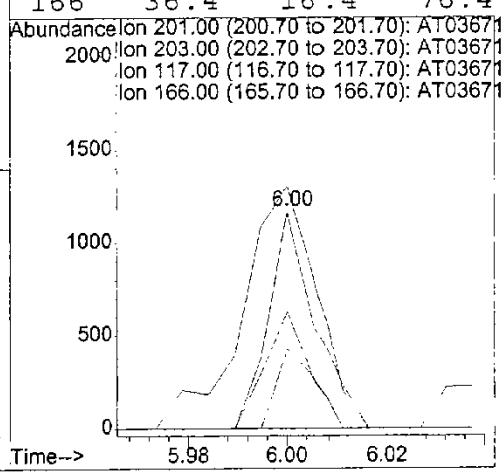




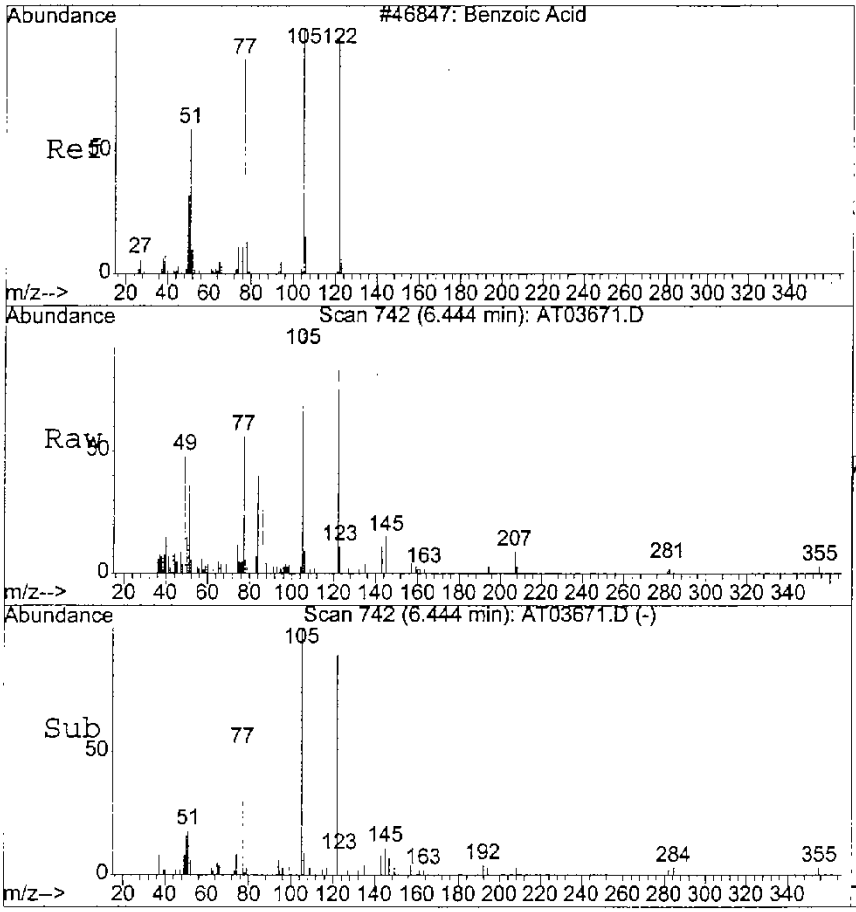
#22
Hexachloroethane
Concen: 5.61 ug/L
RT: 6.00 min Scan# 659
Delta R.T. 0.01 min
Lab File: AT03671.D
Acq: 25 Feb 2005 12:42 pm

Tgt Ion:201 Resp: 751

Ion	Ratio	Lower	Upper
201	100		
203	53.9	34.0	94.0
117	104.1	74.2	134.2
166	36.4	16.4	76.4



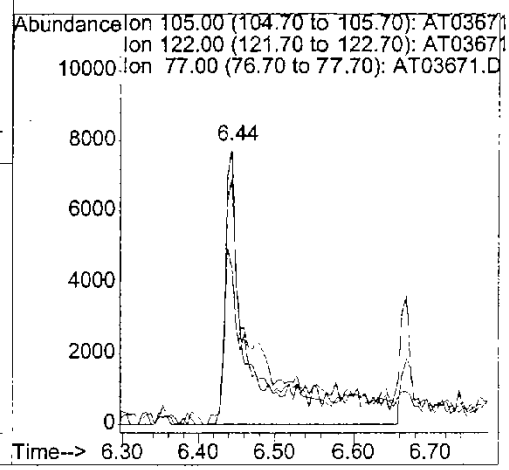
00913

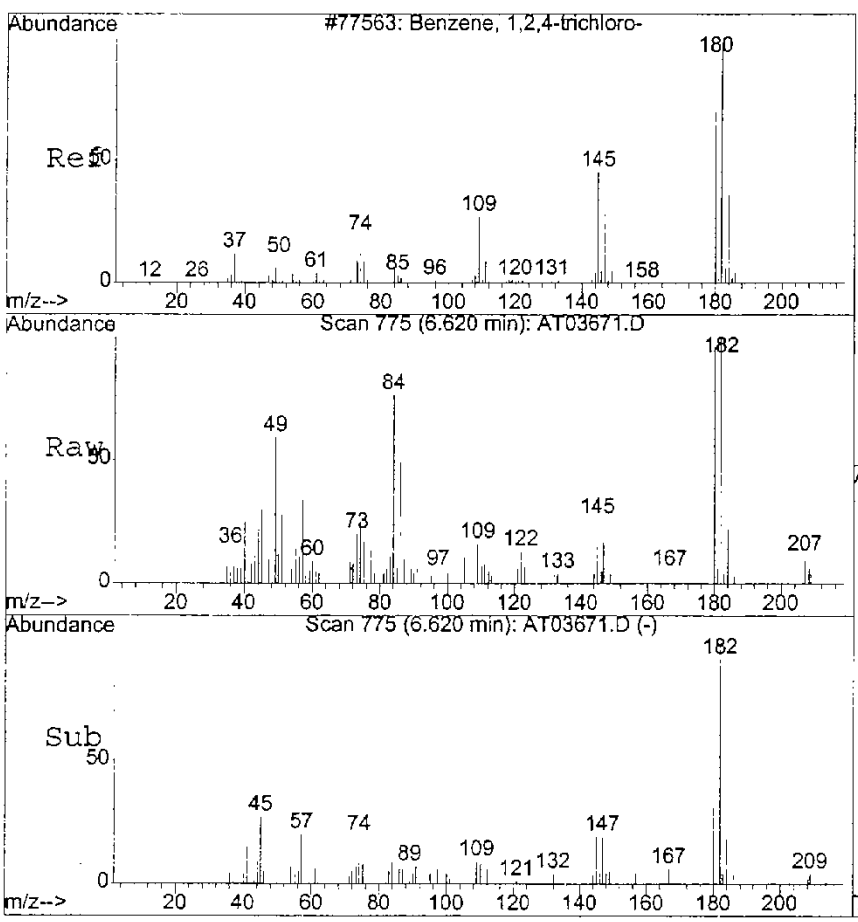


#30
Benzoic Acid
Concen: 519.16 ug/L
RT: 6.44 min Scan# 742
Delta R.T. -0.06 min
Lab File: AT03671.D
Acq: 25 Feb 2005 12:42 pm

Tgt Ion:105 Resp: 22169

Ion	Ratio	Lower	Upper
105	100		
122	86.8	58.0	118.0
77	48.0	34.2	94.2

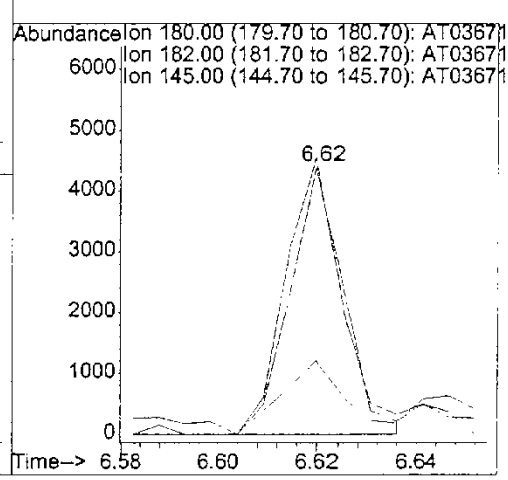




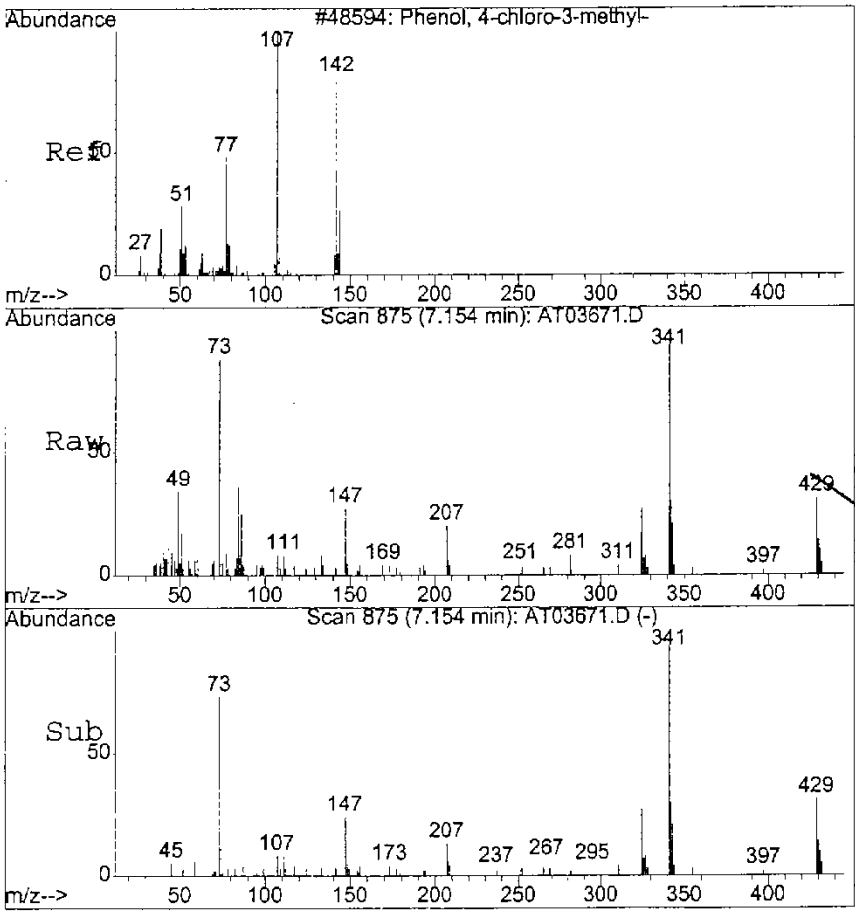
#32
1,2,4-Trichlorobenzene
Concen: 11.11 ug/L
RT: 6.62 min Scan# 775
Delta R.T. -0.00 min
Lab File: AT03671.D
Acq: 25 Feb 2005 12:42 pm

Tgt Ion:180 Resp: 3239

Ion	Ratio	Lower	Upper
180	100		
182	102.7	67.2	127.2
145	23.6	0.0	57.2



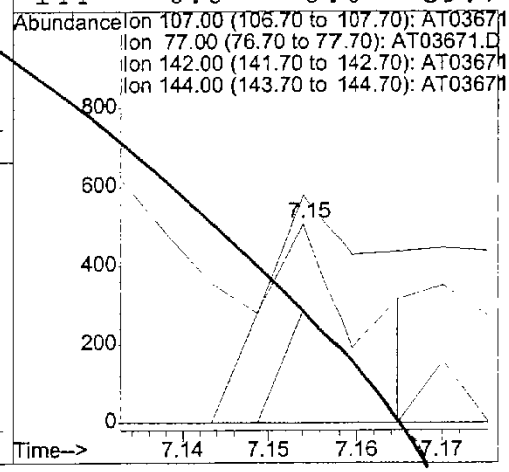
000914

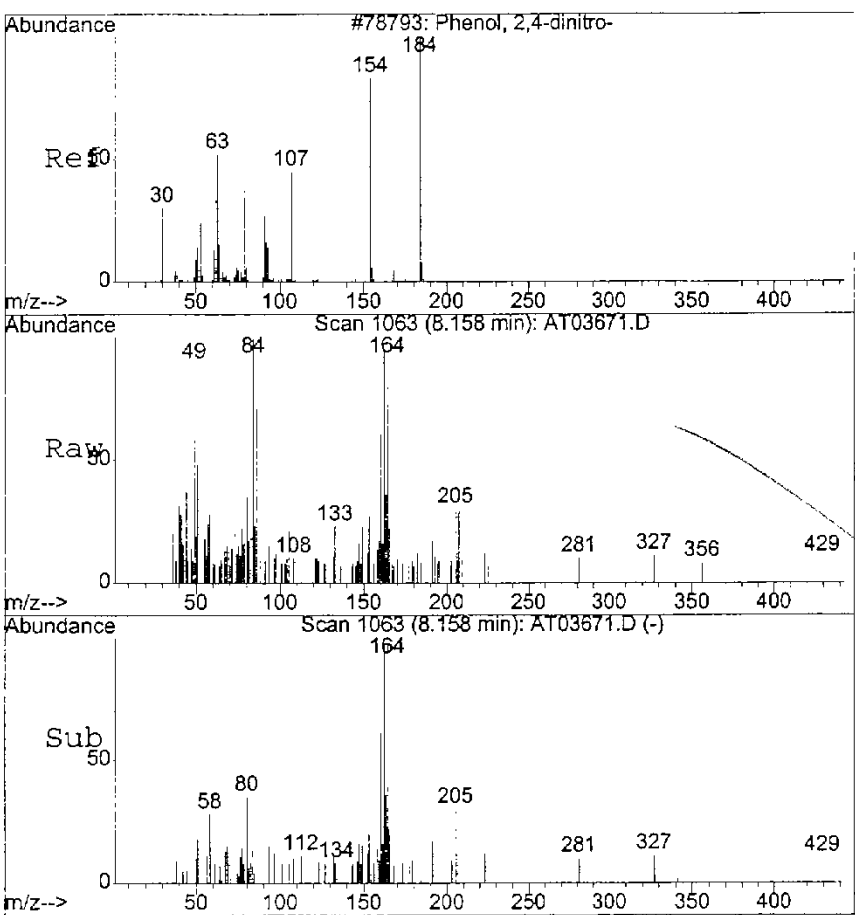


#36
4-Chloro-3-methylphenol
Concen: 38.76 ug/L
RT: 7.15 min Scan# 875
Delta R.T. 0.01 min
Lab File: AT03671.D
Acq: 25 Feb 2005 12:42 pm

Tgt Ion:107 Resp: 415

Ion	Ratio	Lower	Upper
107	100		
77	52.6	15.4	75.4
142	82.5	62.3	122.3
144	0.0	0.0	59.7

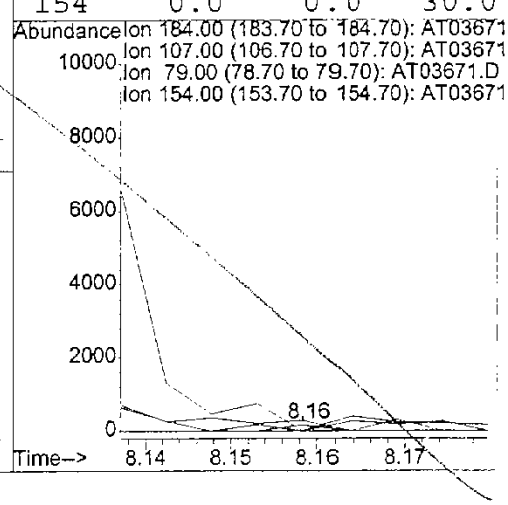




#53
2,4-Dinitrophenol
Concen: 344.12 ug/L
RT: 8.16 min Scan# 1063
Delta R.T. -0.03 min
Lab File: AT03671.D
Acq: 25 Feb 2005 12:42 pm

Tgt Ion:184 Resp: 55

Ion	Ratio	Lower	Upper
184	100		
107	0.0	0.0	58.6
79	0.0	0.0	48.2
154	0.0	0.0	30.0



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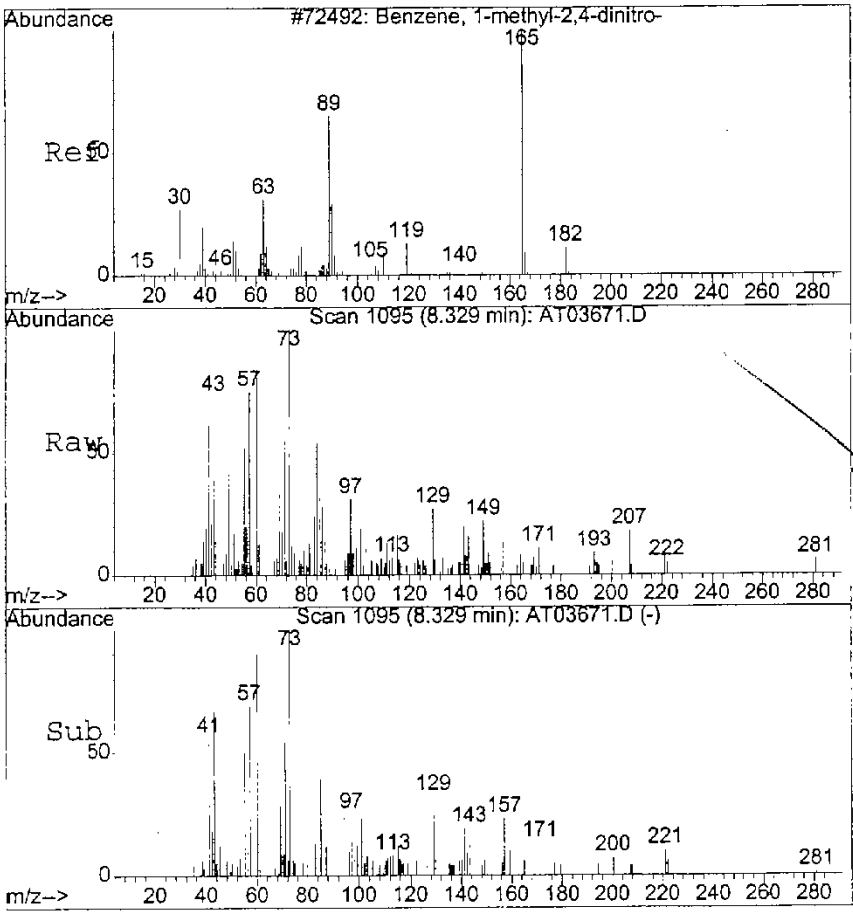
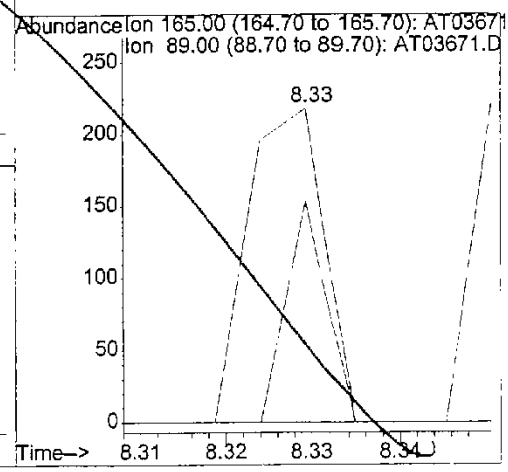
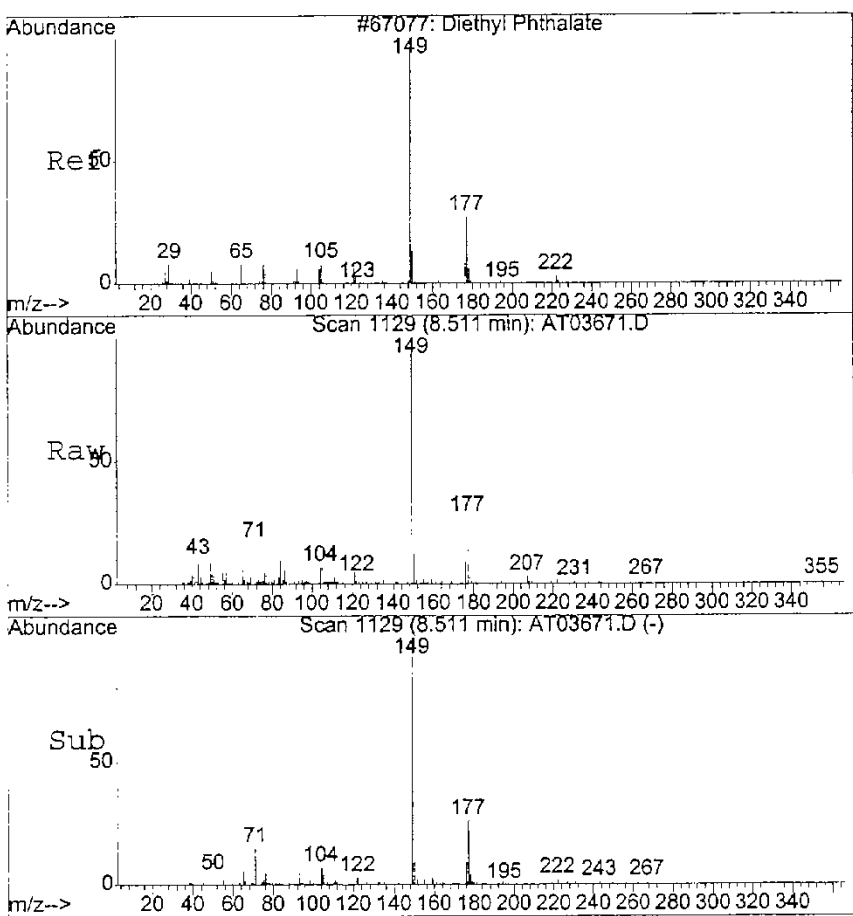


#56
2,4-Dinitrotoluene
Concen: 31.96 ug/L
RT: 8.33 min Scan# 1095
Delta R.T. 0.03 min
Lab File: AT03671.D
Acq: 25 Feb 2005 12:42 pm

Tgt Ion:165 Resp: 133

Ion	Ratio	Lower	Upper
165	100		
89	70.2	22.1	82.1

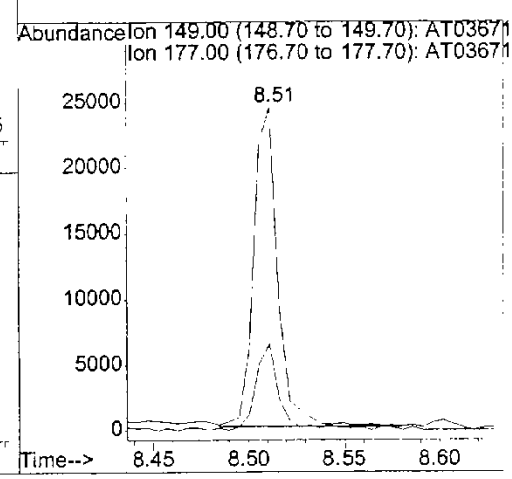


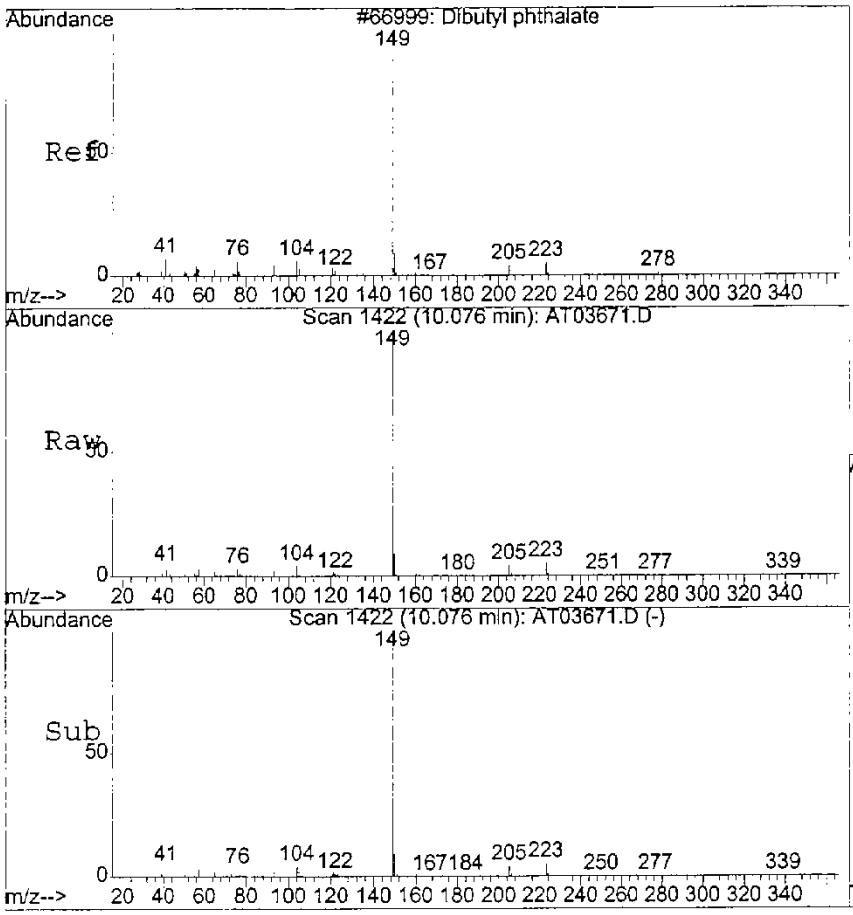


#59
Diethylphthalate
Concen: 35.83 ug/L
RT: 8.51 min Scan# 1129
Delta R.T. 0.00 min
Lab File: AT03671.D
Acq: 25 Feb 2005 12:42 pm

Tgt Ion:149 Resp: 21418

Ion	Ratio	Lower	Upper
149	100		
177	27.0	0.0	53.1

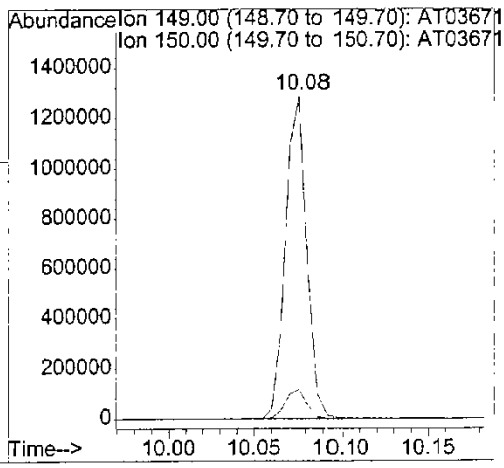


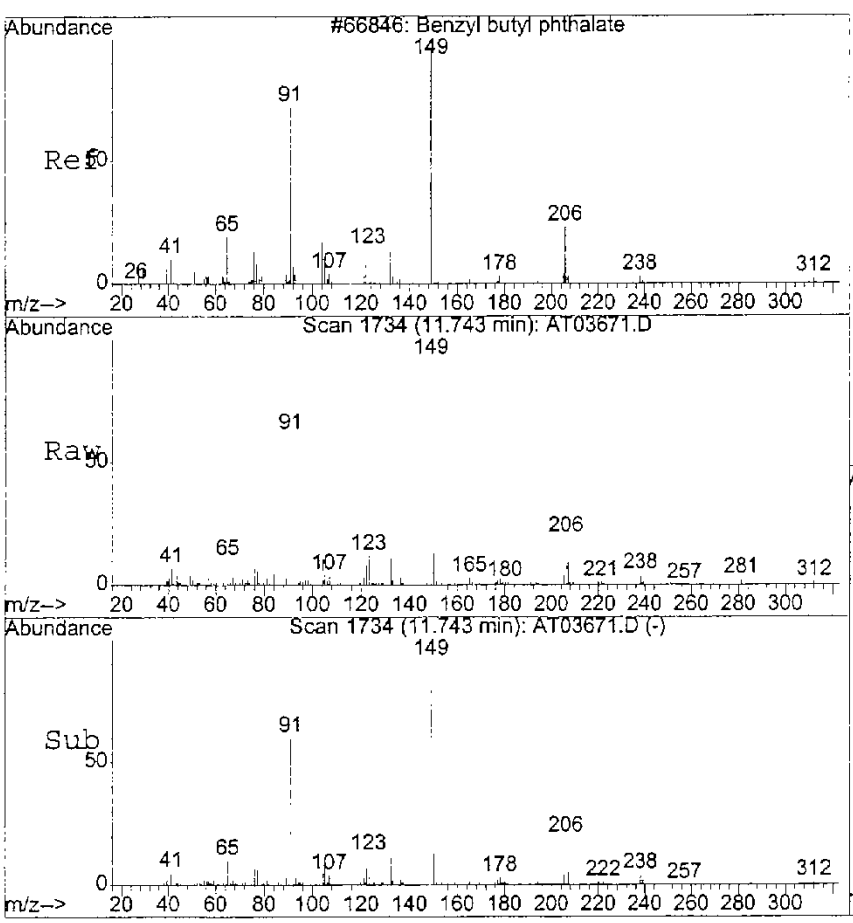


#75
Di-n-butylphthalate
Concen: 1192.18 ug/L
RT: 10.08 min Scan# 1422
Delta R.T. 0.01 min
Lab File: AT03671.D
Acq: 25 Feb 2005 12:42 pm

Tgt Ion:149 Resp: 1112409

Ion	Ratio	Lower	Upper
149	100		
150	9.0	0.0	39.0

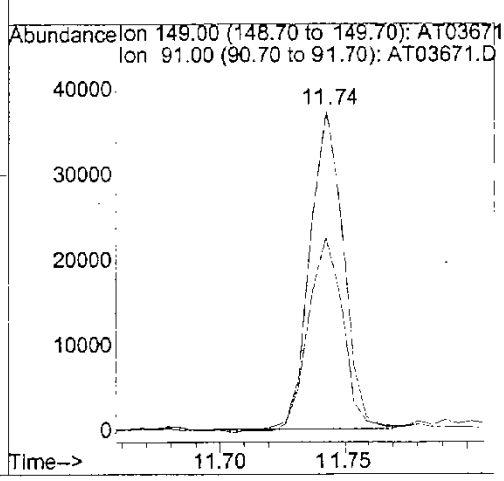




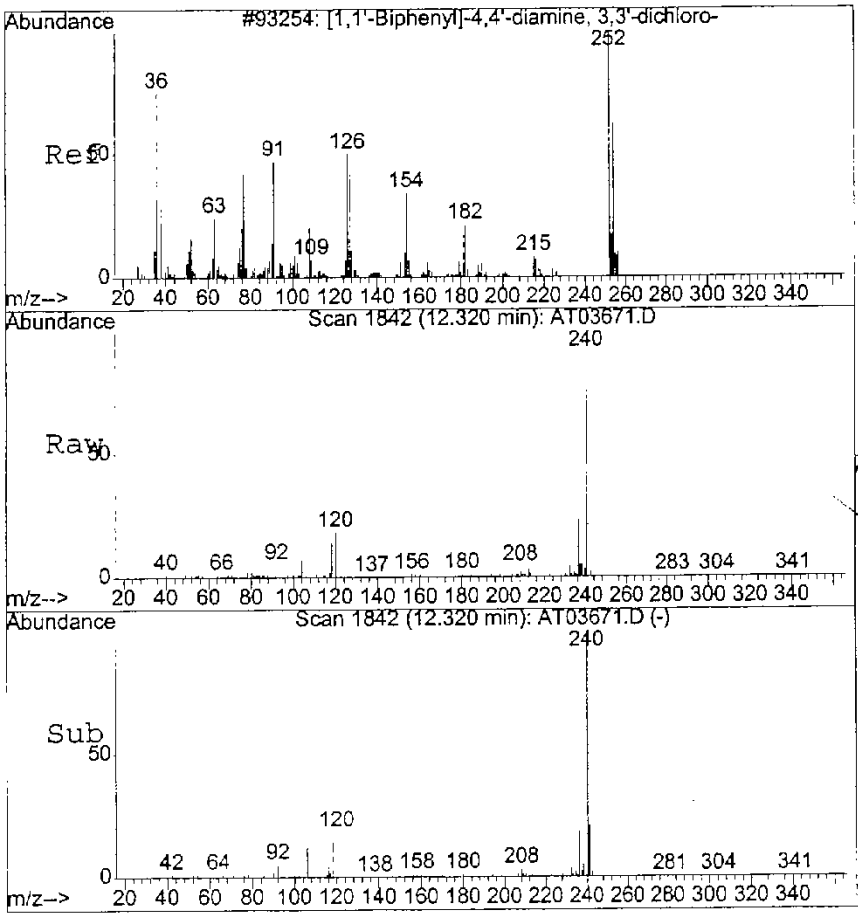
#81
Butylbenzylphthalate
Concen: 146.99 ug/L
RT: 11.74 min Scan# 1734
Delta R.T. 0.01 min
Lab File: AT03671.D
Acq: 25 Feb 2005 12:42 pm

Tgt Ion:149 Resp: 32916

Ion	Ratio	Lower	Upper
149	100		
91	60.4	30.6	90.6



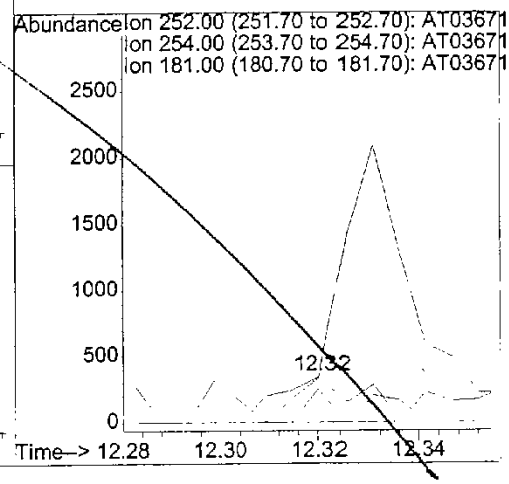
009917

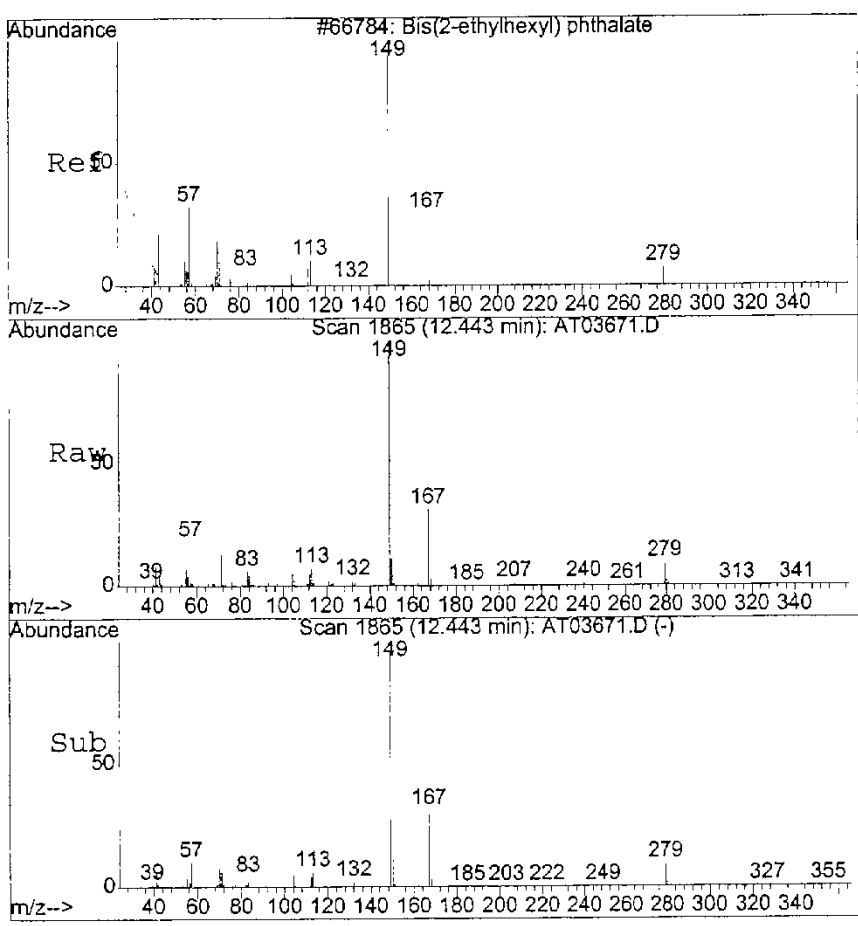


#83
3,3'-Dichlorobenzidine
Concen: 28.97 ug/L
RT: 12.32 min Scan# 1842
Delta R.T. 0.00 min
Lab File: AT03671.D
Acq: 25 Feb 2005 12:42 pm

Tgt Ion:252 Resp: 387

Ion	Ratio	Lower	Upper
252	100		
254	49.1	32.1	92.1
181	0.0	0.0	37.0

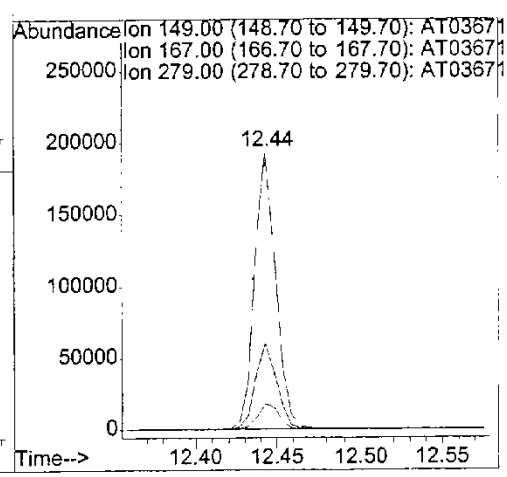


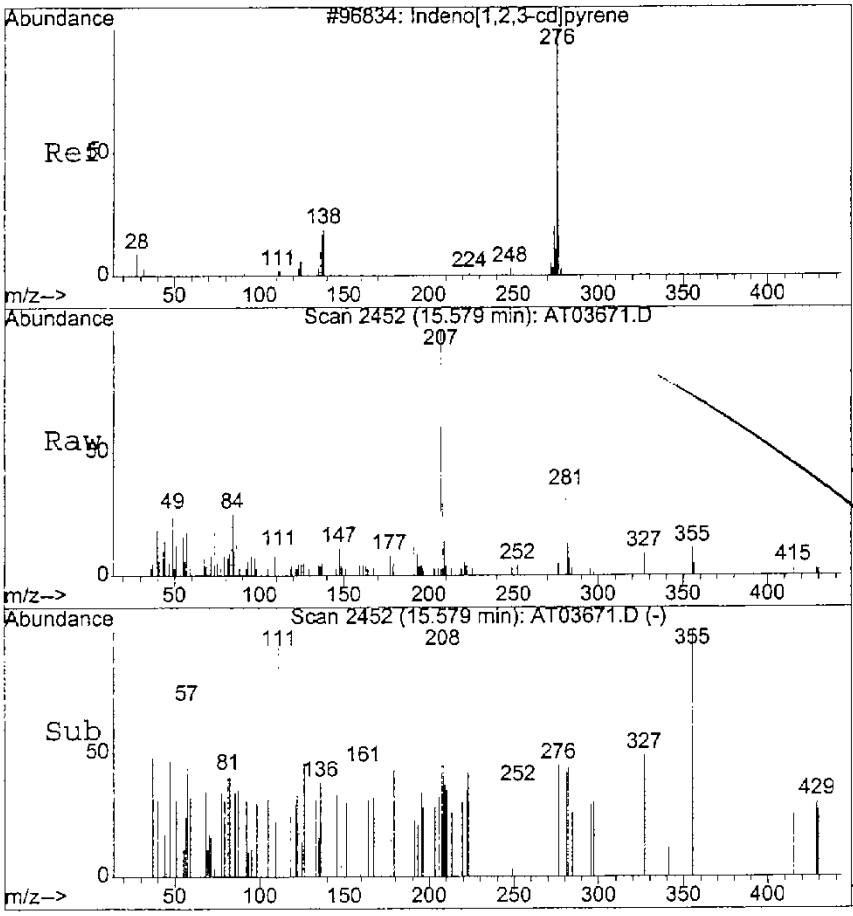


#85
bis(2-Ethylhexyl)phthalate
Concen: 322.92 ug/L
RT: 12.44 min Scan# 1865
Delta R.T. 0.01 min
Lab File: AT03671.D
Acq: 25 Feb 2005 12:42 pm

Tgt Ion:149 Resp: 177445

Ion	Ratio	Lower	Upper
149	100		
167	30.8	2.4	62.4
279	9.2	0.0	39.0

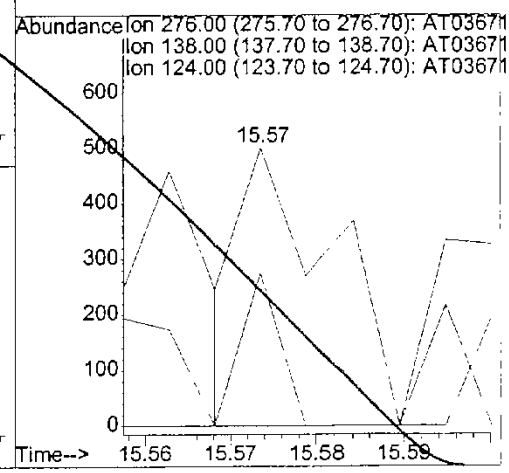


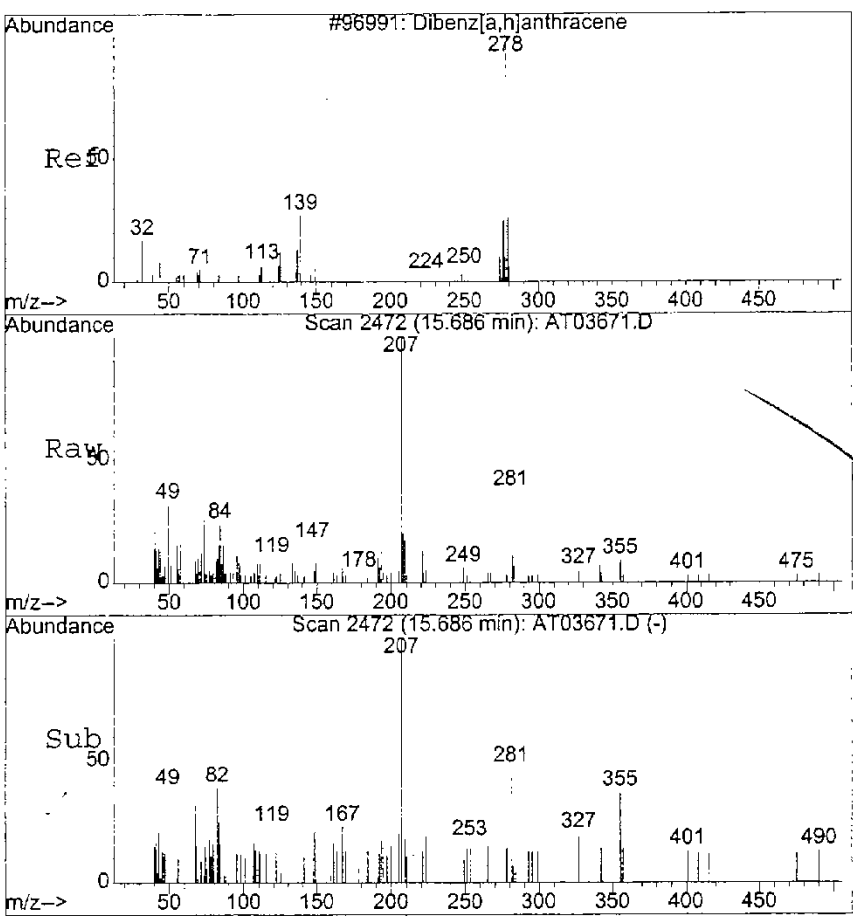


#92
Indeno(1,2,3-cd)pyrene
Concen: 19.77 ug/L
RT: 15.58 min Scan# 2452
Delta R.T. 0.01 min
Lab File: AT03671.D
Acq: 25 Feb 2005 12:42 pm

Tgt Ion:276 Resp: 365

Ion	Ratio	Lower	Upper
276	100		
138	0.0	0.0	52.0
124	0.0	0.0	35.3

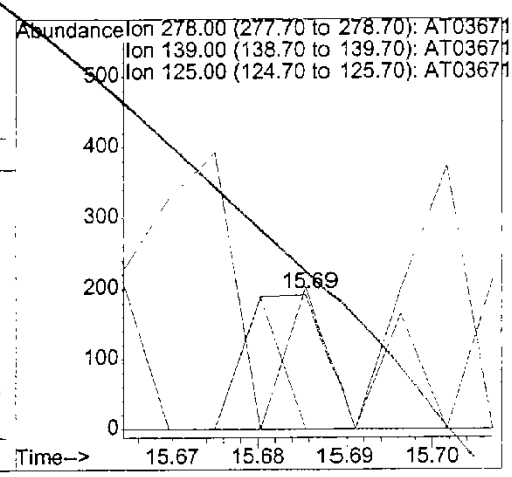




#93
Dibenz(a,h)anthracene
Concen: 12.78 ug/L
RT: 15.68 min Scan# 2472
Delta R.T. 0.07 min
Lab File: AT03671.D
Acq: 25 Feb 2005 12:42 pm

Tgt Ion:278 Resp: 122

Ion	Ratio	Lower	Upper
278	100		
139	0.0	0.0	46.2
125	0.0	0.0	34.4



Quantitation Report (Not Reviewed)

Data File : H:\DATA\030105_A\AT03690.D
Acq On : 1 Mar 2005 8:46 am
Sample : ss1348 mb #20 &1
Misc :
MS Integration Params: Rteint.p
Quant Time: Mar 01 09:53:32 2005

Vial: 4
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: 8270_022505.RES

Quant Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Feb 28 14:16:48 2005
Response via : Initial Calibration
DataAcq Meth : 8270

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4 (I)	5.42	152	288421	1000.000 ug/L	0.00
23) Naphthalene - d8 (I)	6.54	136	1165675	1000.000 ug/L	0.00
39) Acenaphthene - d10 (I)	8.00	162	601907	1000.000 ug/L	0.00
63) Phenanthrene - d10 (I)	9.31	188	1085718	1000.000 ug/L	0.00
80) Chrysene - d12 (I)	12.17	240	1153218	1000.000 ul/l	0.00
86) Perylene - d12 (I)	13.78	264	1076665	1000.000 ug/L	0.00
System Monitoring Compounds					
4) 2 - Fluorophenol (S)	4.14	112	140291	580.93 ug/L	0.00
8) Phenol - d5 (S)	5.12	99	218758	804.83 ug/L	0.00
24) Nitrobenzene - d5 (S)	5.93	82	15407	64.46 ug/L?	0.00
44) 2 - Fluorobiphenyl (S)	7.46	172	264100	406.65 ug/L	0.00
66) 2,4,6 - Tribromophenol (S)	8.67	330	79764	754.25 ug/L	0.00
79) p - Terphenyl - d14 (S)	11.00	244	550155	836.93 ug/L	0.00
Target Compounds					Qvalue
2) N-Nitrosodimethylamine	2.60	74	136	~~233.814 ug/L~~	87
5) Cyclohexanone	4.42	55	1660	~~8.773 ul/L~~	86
9) Phenol	5.13	94	6522	22.504 ug/L	69
13) 1,3-Dichlorobenzene	5.37	146	2248	6.686 ug/L	81
15) Benzyl alcohol	5.58	79	3751	43.648 ug/L	92
21) Acetophenone	5.80	105	2118	11.406 ul/L	72
30) Benzoic Acid	6.33	105	10953	427.588 ug/L	89
32) 1,2,4-Trichlorobenzene	6.50	180	3097	10.387 ug/L	83
36) 4-Chloro-3-methylphenol	7.04	107	548	~~39.336 ug/L~~	85
41) 2,3-Dichloroaniline	7.36	161	1928	~~7.418 ul/L~~	86
51) 3-Nitroaniline	7.96	138	71	Below Cal #	8
53) 2,4-Dinitrophenol	8.12	184	74	~~344.421 ug/L~~	51
54) 4-Nitrophenol	8.13	139	902	~~886.311 ug/L~~	78
56) 2,4-Dinitrotoluene	8.17	165	167	~~32.146 ug/L~~	97
59) Diethylphthalate	8.38	149	26412	44.182 ug/L	100
73) Octadecane	9.24	57	4392	17.098 ul/L	97
75) Di-n-butylphthalate	9.93	149	1922221	2020.202 ug/L	99
78) Benzidine	10.51	184	1999	15.558 ul/l	68
81) Butylbenzylphthalate	11.59	149	47737	183.356 ug/L	98
85) bis(2-Ethylhexyl)phthalate	12.29	149	97475	180.154 ug/L	98
87) Di-n-octylphthalate	12.96	149	6923	8.298 ug/L	85
92) Indeno(1,2,3-cd)pyrene	15.30	276	471	~~19.915 ug/L~~	60
93) Dibenz(a,h)anthracene	15.35	278	476	~~13.203 ug/L~~	67

3 Files

(#) = qualifier out of range (m) = manual integration

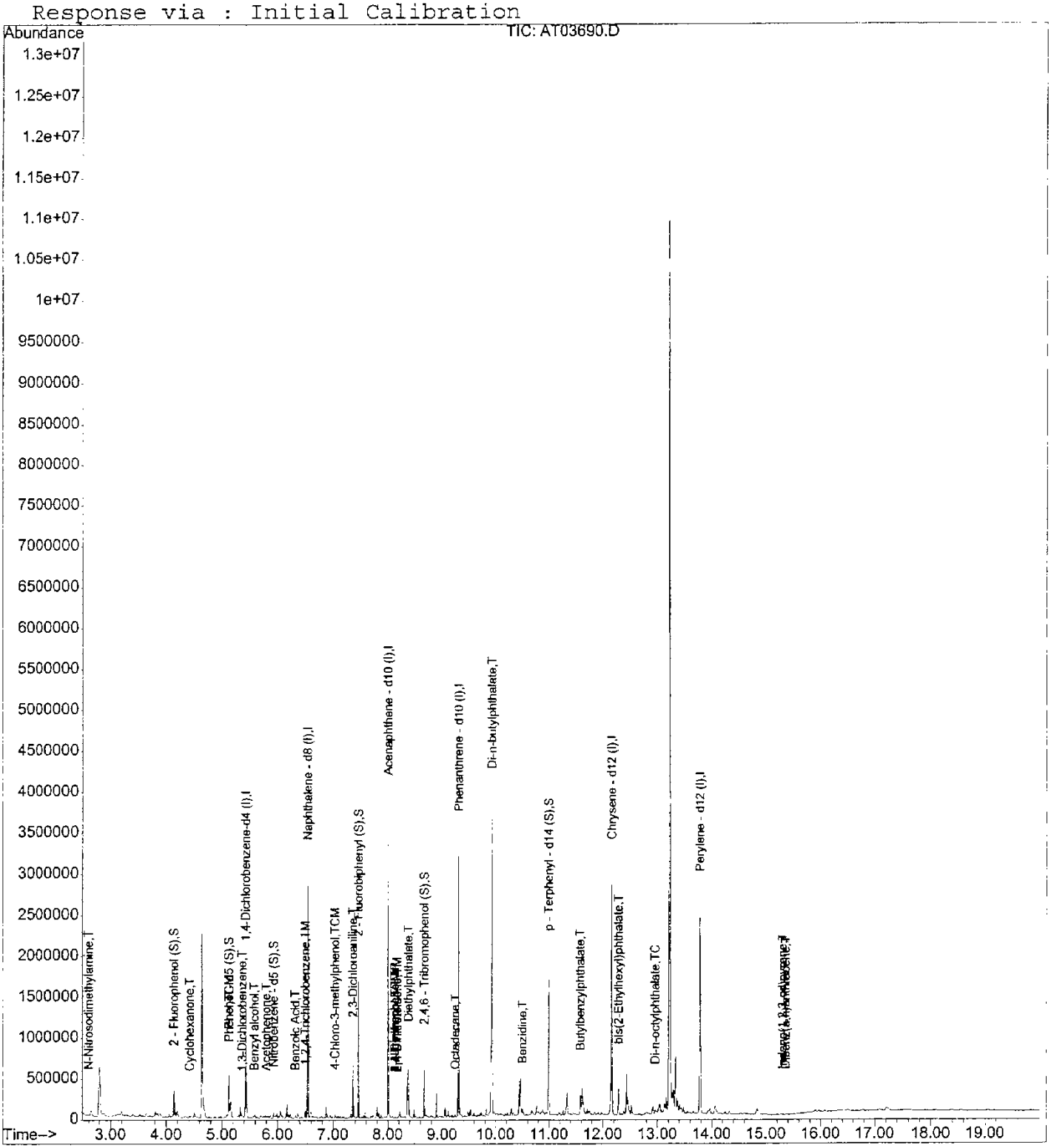
00920

Quantitation Report (Not Reviewed)

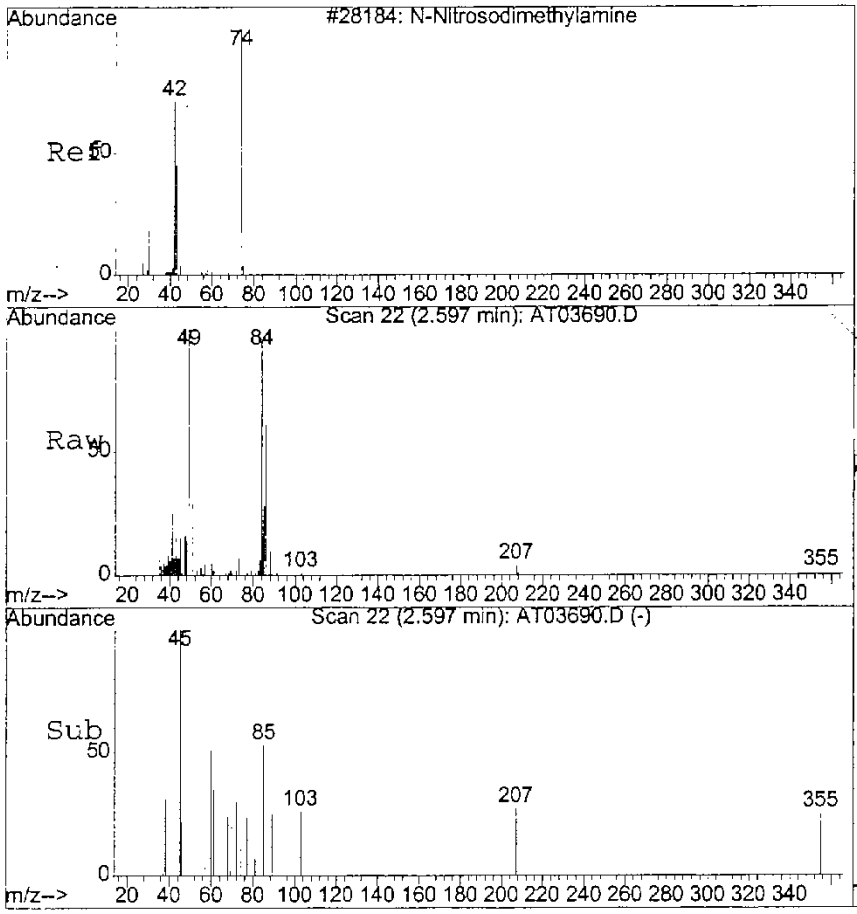
Data File : H:\DATA\030105_A\AT03690.D
Acq On : 1 Mar 2005 8:46 am
Sample : ss1348 mb #20 &1
Misc :
MS Integration Params: Rteint.p
Quant Time: Mar 1 9:55 2005

Vial: 4
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: 8270_022505.

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Feb 28 14:16:48 2005
Response via : Initial Calibration



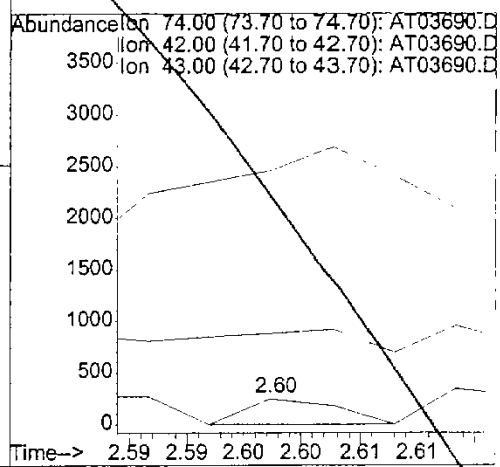
00921

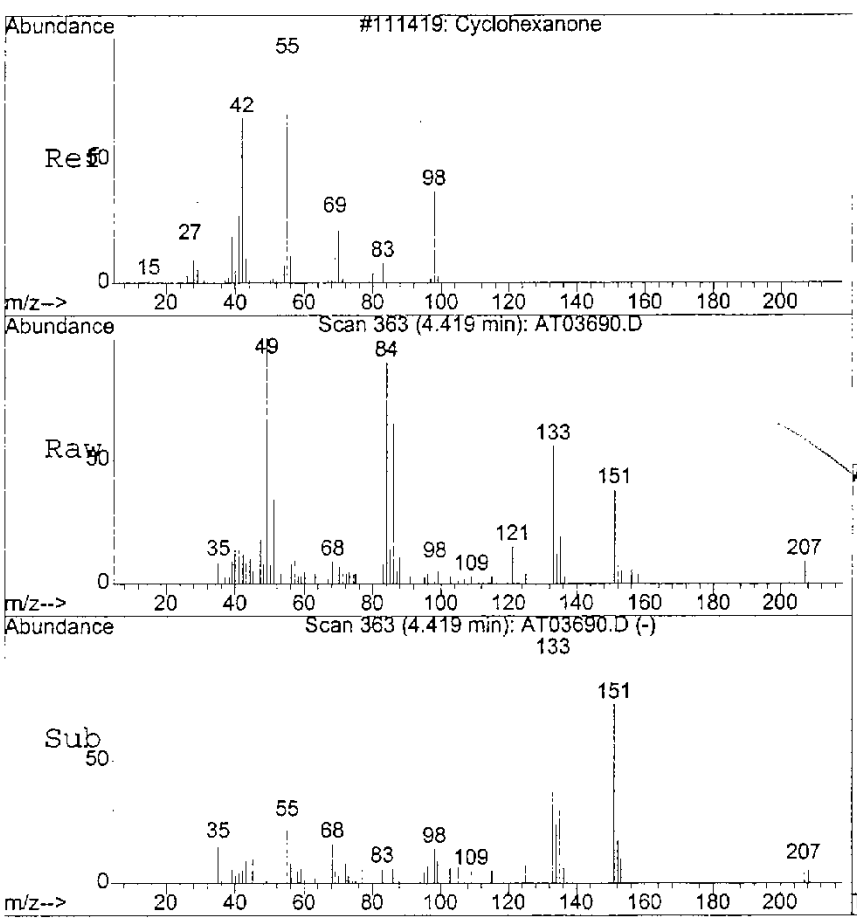


#2
N-Nitrosodimethylamine
Concen: 233.81 ug/L
RT: 2.60 min Scan# 22
Delta R.T. 0.02 min
Lab File: AT03690.D
Acq: 1 Mar 2005 8:46 am

Tgt Ion: 74 Resp: 136

Ion	Ratio	Lower	Upper
74	100		
42	44.3	22.6	82.6
43	32.0	0.0	53.8

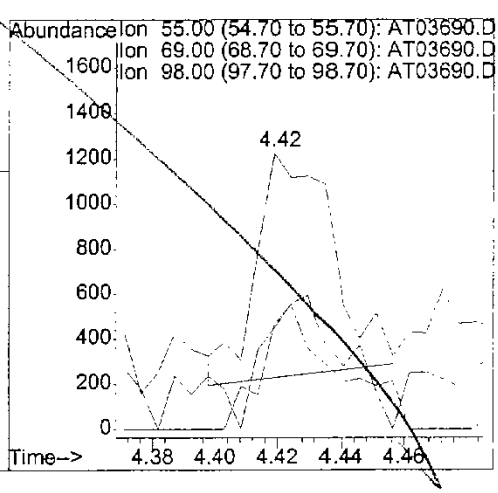




#5
Cyclohexanone
Concen: 8.77 ul/L
RT: 4.42 min Scan# 363
Delta R.T. -0.05 min
Lab File: AT03690.D
Acq: 1 Mar 2005 8:46 am

Tgt Ion: 55 Resp: 1660

Ion	Ratio	Lower	Upper
55	100		
69	36.9	4.6	64.6
98	40.0	24.8	84.8



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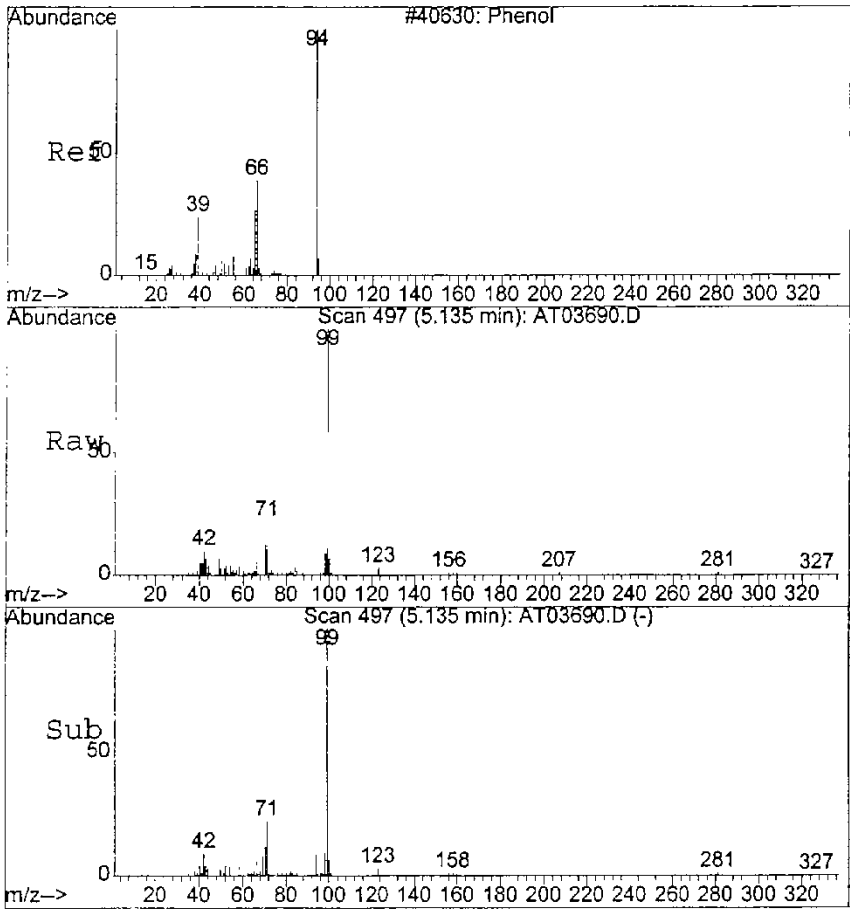
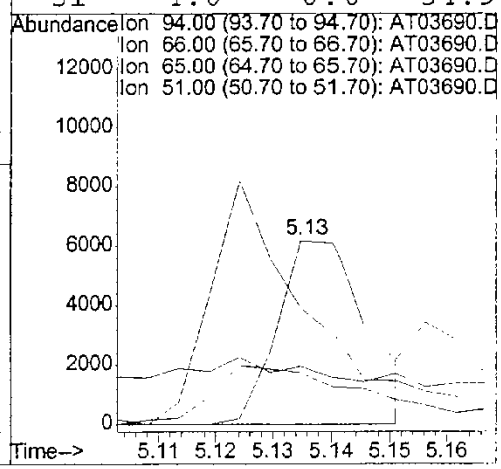
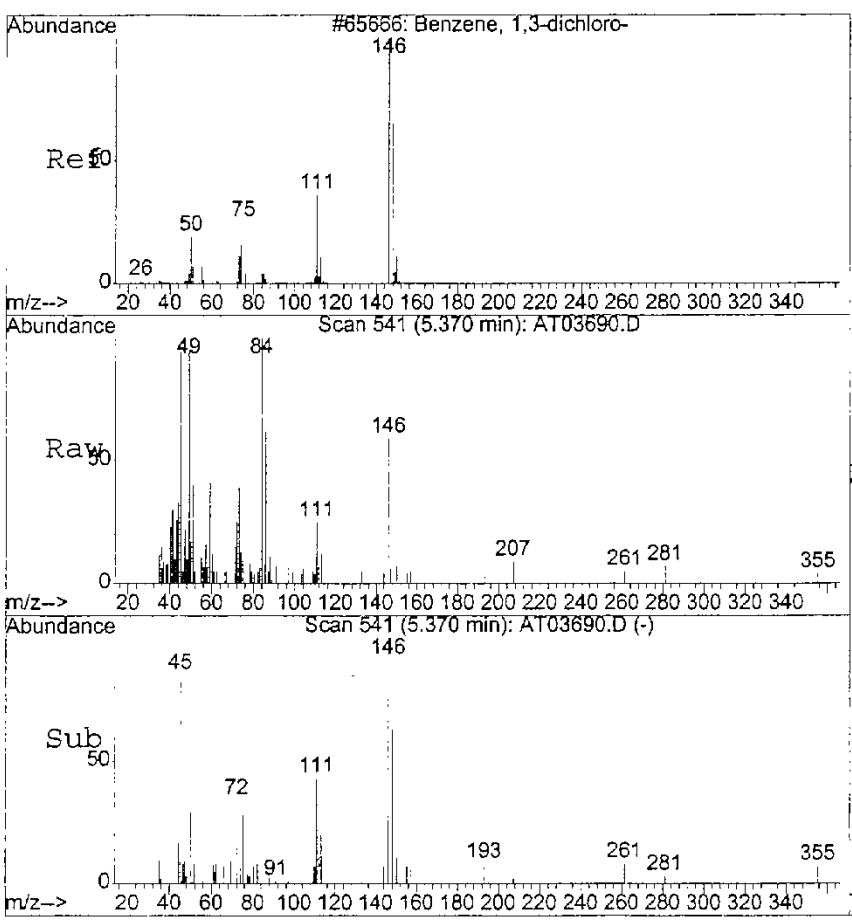


#9
Phenol
Concen: 22.50 ug/L
RT: 5.13 min Scan# 497
Delta R.T. -0.02 min
Lab File: AT03690.D
Acq: 1 Mar 2005 8:46 am

Tgt Ion: 94 Resp: 6522

Ion	Ratio	Lower	Upper
94	100		
66	19.8	14.1	74.1
65	16.8	1.3	61.3
51	4.0	0.0	34.9

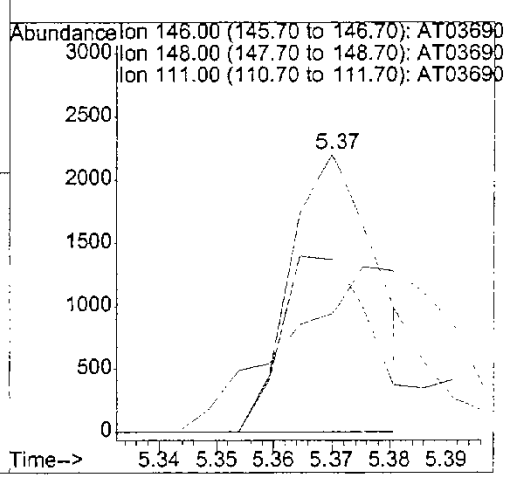




#13
1,3-Dichlorobenzene
Concen: 6.69 ug/L
RT: 5.37 min Scan# 541
Delta R.T. -0.01 min
Lab File: AT03690.D
Acq: 1 Mar 2005 8:46 am

Tgt Ion:146 Resp: 2248

Ion	Ratio	Lower	Upper
146	100		
148	69.8	35.2	95.2
111	12.3	7.4	67.4



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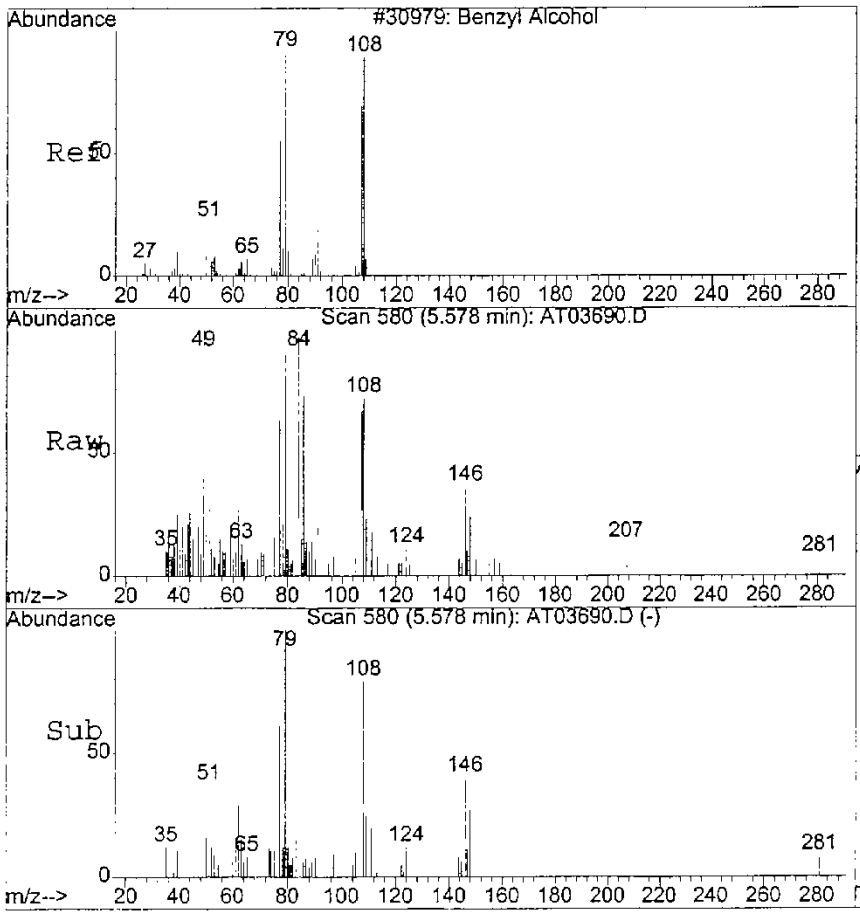
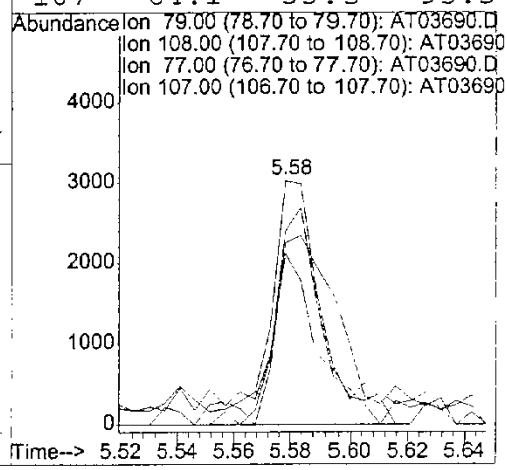
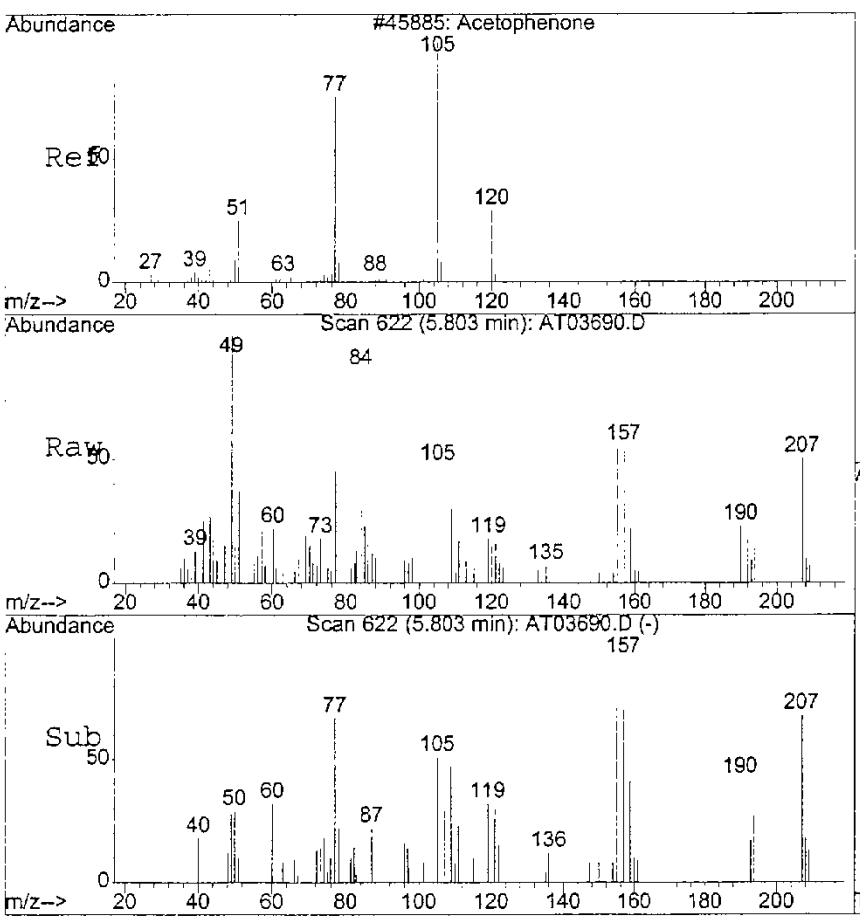


#15
Benzyl alcohol
Concen: 43.65 ug/L
RT: 5.58 min Scan# 580
Delta R.T. 0.01 min
Lab File: AT03690.D
Acq: 1 Mar 2005 8:46 am

Tgt Ion: 79 Resp: 3751

Ion	Ratio	Lower	Upper
79	100		
108	76.5	62.2	122.2
77	60.0	29.8	89.8
107	64.1	35.5	95.5

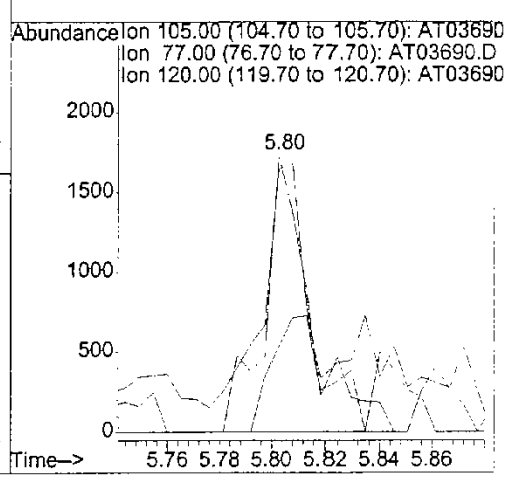




#21
Acetophenone
Concen: 11.41 ul/L
RT: 5.80 min Scan# 622
Delta R.T. 0.01 min
Lab File: AT03690.D
Acq: 1 Mar 2005 8:46 am

Tgt Ion:105 Resp: 2118

Ion	Ratio	Lower	Upper
105	100		
77	81.4	78.1	138.1
120	49.6	0.5	60.5



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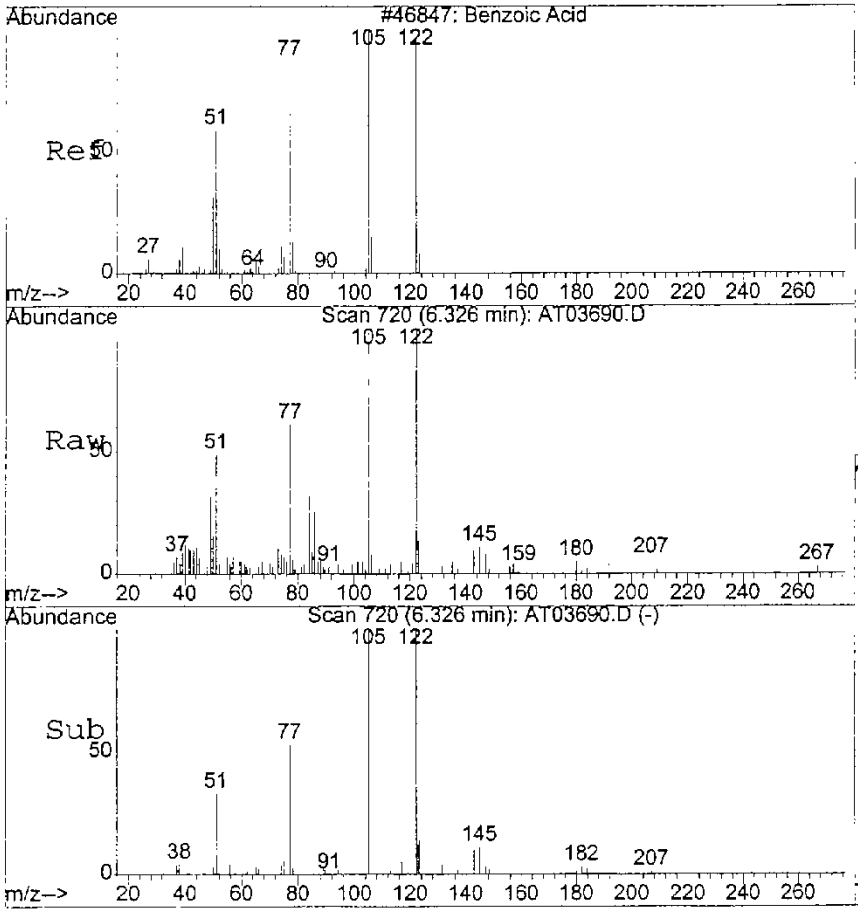
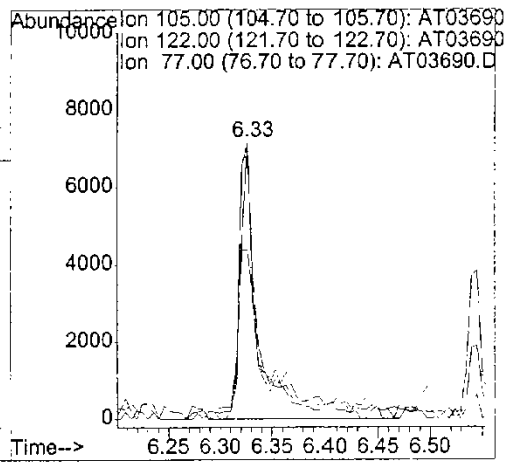
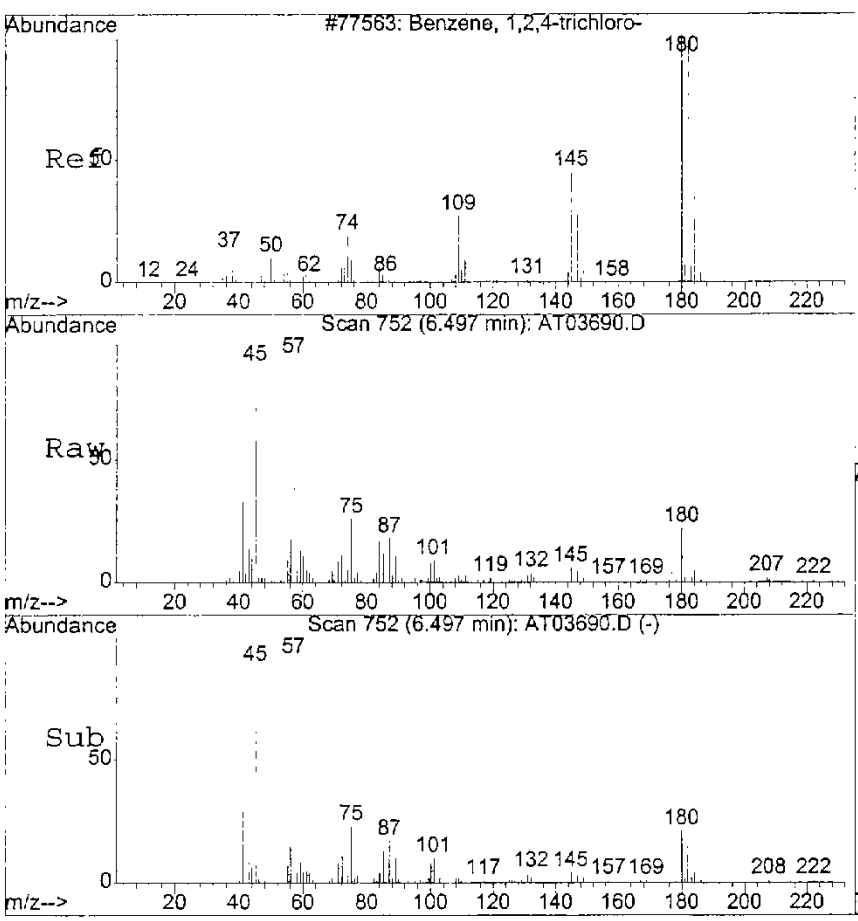


#30
Benzoic Acid
Concen: 427.59 ug/L
RT: 6.33 min Scan# 720
Delta R.T. -0.06 min
Lab File: AT03690.D
Acq: 1 Mar 2005 8:46 am

Tgt Ion:105 Resp: 10953

Ion	Ratio	Lower	Upper
105	100		
122	99.1	58.0	118.0
77	55.7	34.2	94.2

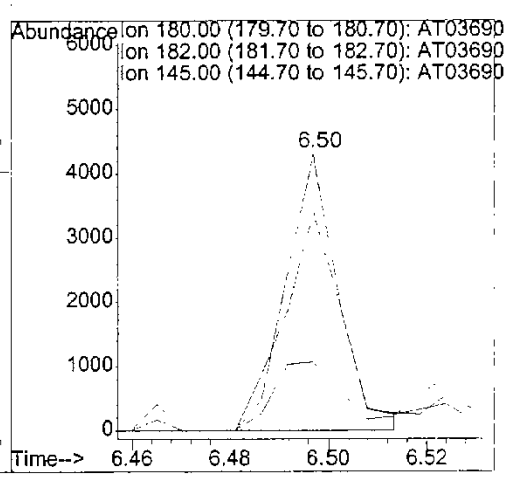




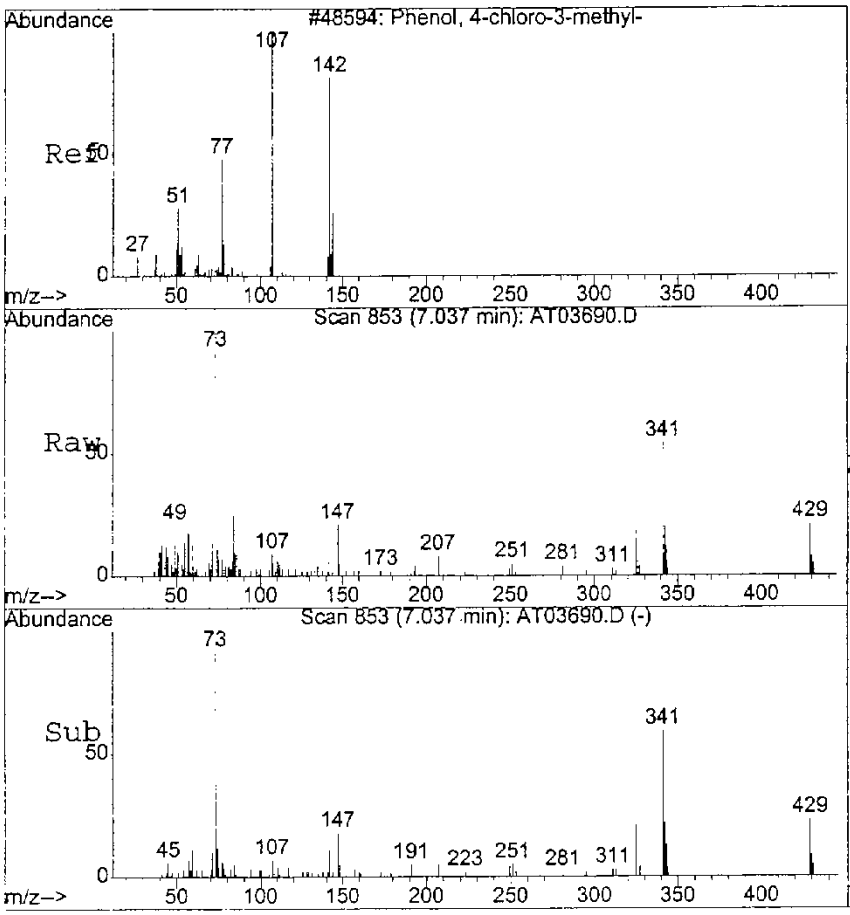
#32
1,2,4-Trichlorobenzene
Concen: 10.39 ug/L
RT: 6.50 min Scan# 752
Delta R.T. -0.00 min
Lab File: AT03690.D
Acq: 1 Mar 2005 8:46 am

Tgt Ion:180 Resp: 3097

Ion	Ratio	Lower	Upper
180	100		
182	78.7	67.2	127.2
145	22.9	0.0	57.2



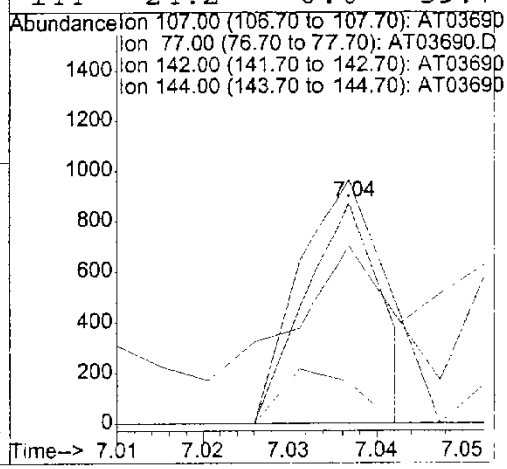
00025

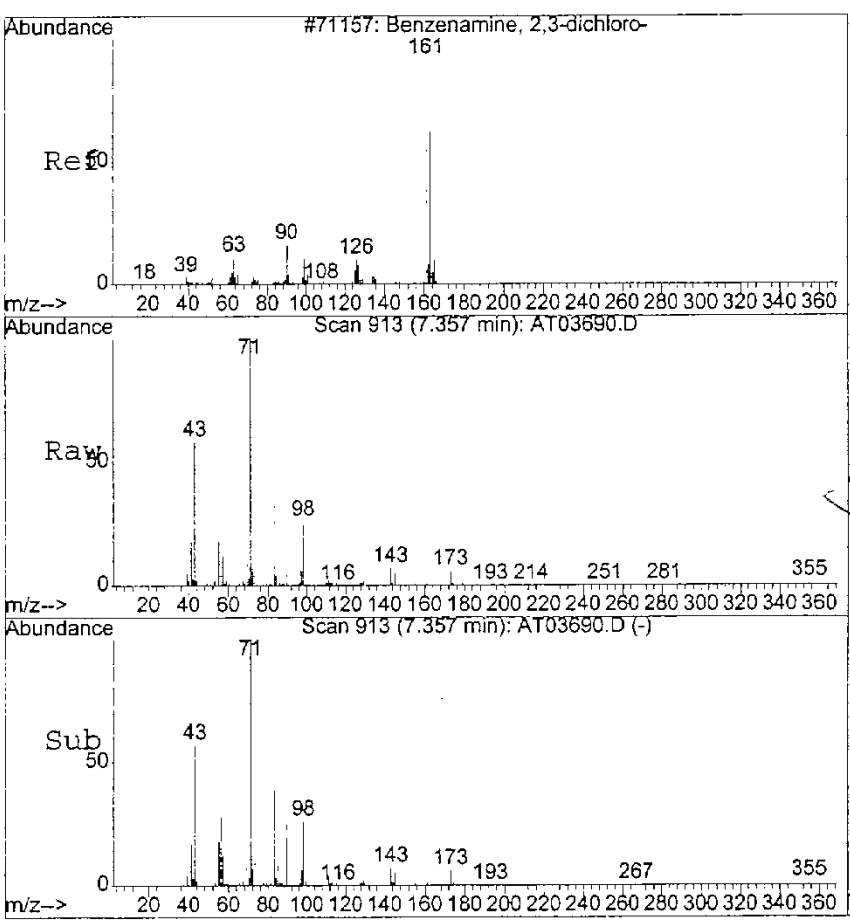


#36
4-Chloro-3-methylphenol
Concen: 39.34 ug/L
RT: 7.04 min Scan# 853
Delta R.T. 0.03 min
Lab File: AT03690.D
Acq: 1 Mar 2005 8:46 am

Tgt Ion:107 Resp: 548

Ion	Ratio	Lower	Upper
107	100		
77	58.8	15.4	75.4
142	105.7	62.3	122.3
144	24.2	0.0	59.7

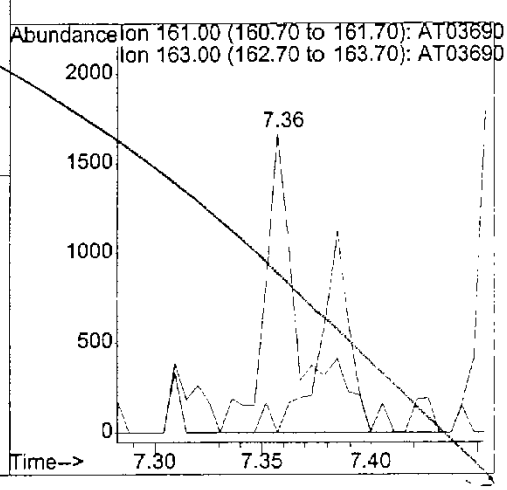




#41
2,3-Dichloroaniline
Concen: 7.42 ul/L
RT: 7.36 min Scan# 913
Delta R.T. -0.04 min
Lab File: AT03690.D
Acq: 1 Mar 2005 8:46 am

Tgt Ion:161 Resp: 1928

Ion	Ratio	Lower	Upper
161	100		
163	54.4	35.9	95.9



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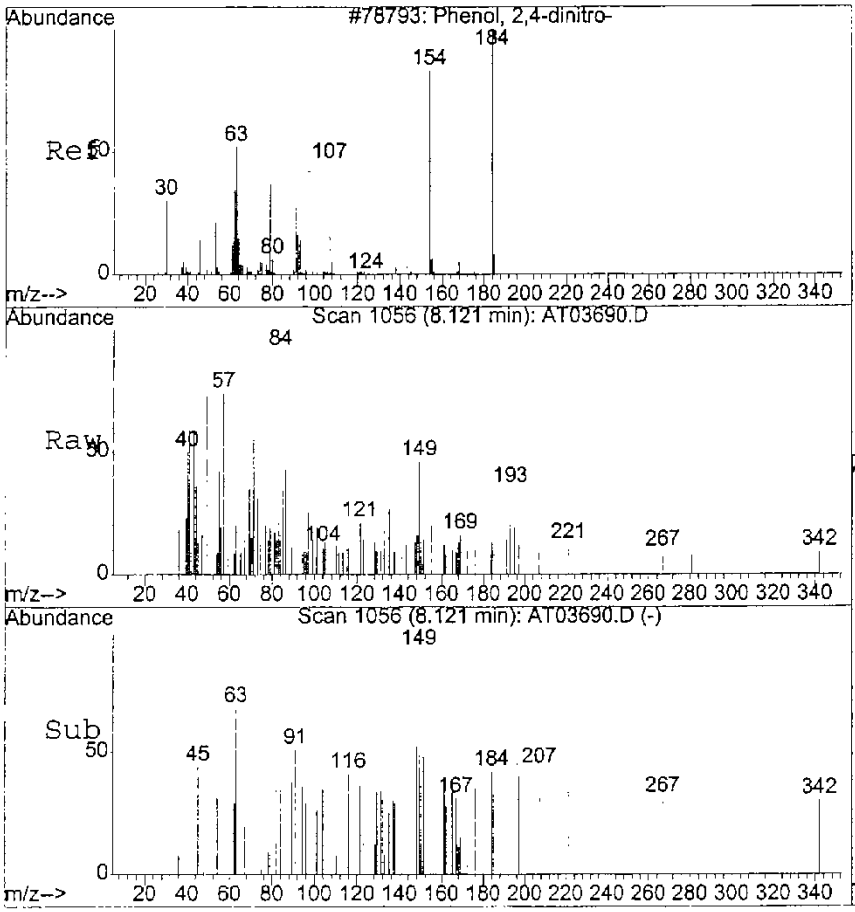
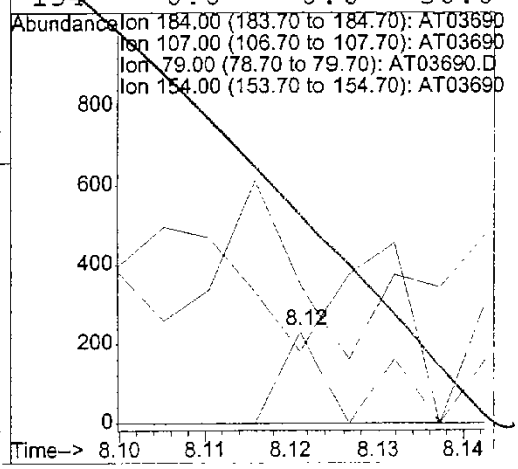
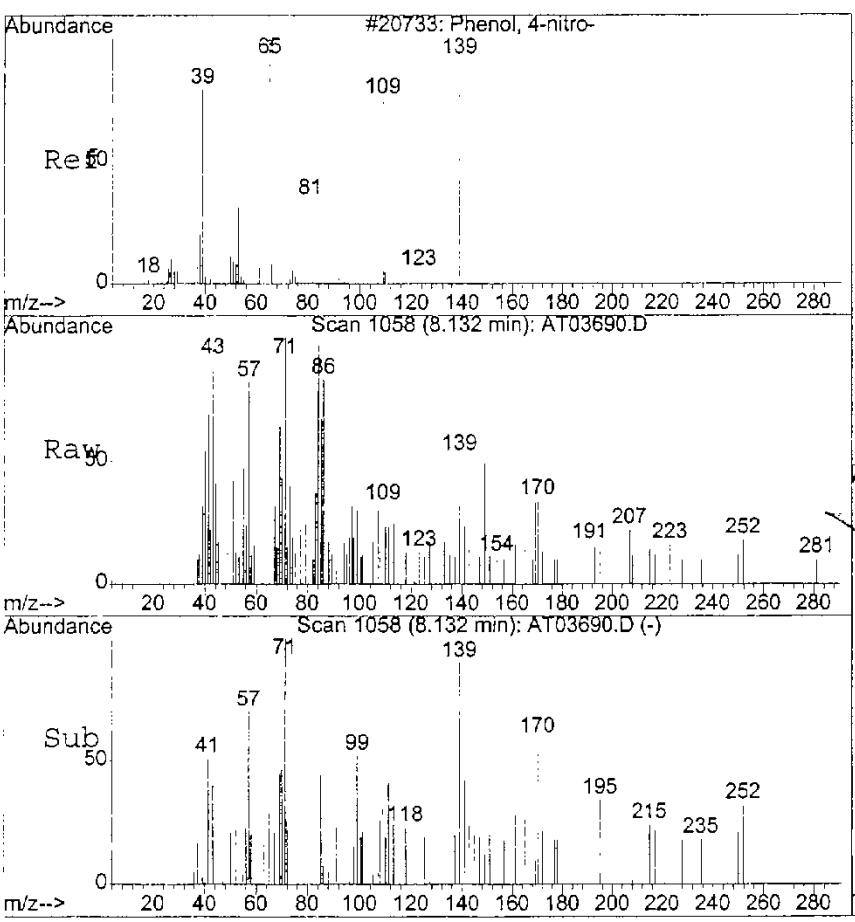


#53
2,4-Dinitrophenol
Concen: 344.42 ug/L
RT: 8.12 min Scan# 1056
Delta R.T. 0.06 min
Lab File: AT03690.D
Acq: 1 Mar 2005 8:46 am

Tgt Ion:184 Resp: 74

Ion	Ratio	Lower	Upper
184	100		
107	0.0	0.0	58.6
79	0.0	0.0	48.2
154	0.0	0.0	30.0

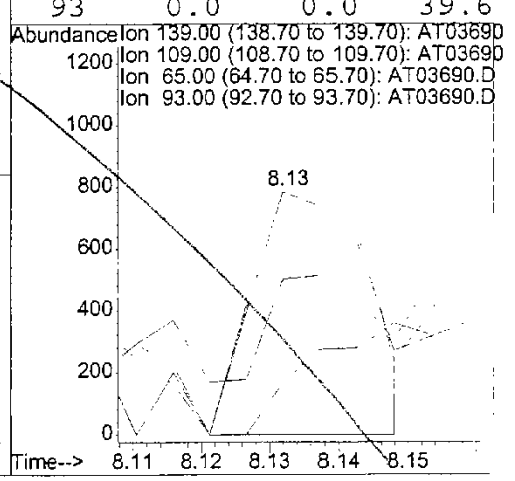




#54
4-Nitrophenol
Concen: 886.31 ug/L
RT: 8.13 min Scan# 1058
Delta R.T. 0.01 min
Lab File: AT03690.D
Acq: 1 Mar 2005 8:46 am

Tgt Ion:139 Resp: 902

Ion	Ratio	Lower	Upper
139	100		
109	51.6	16.0	76.0
65	42.6	31.6	91.6
93	0.0	0.0	39.6



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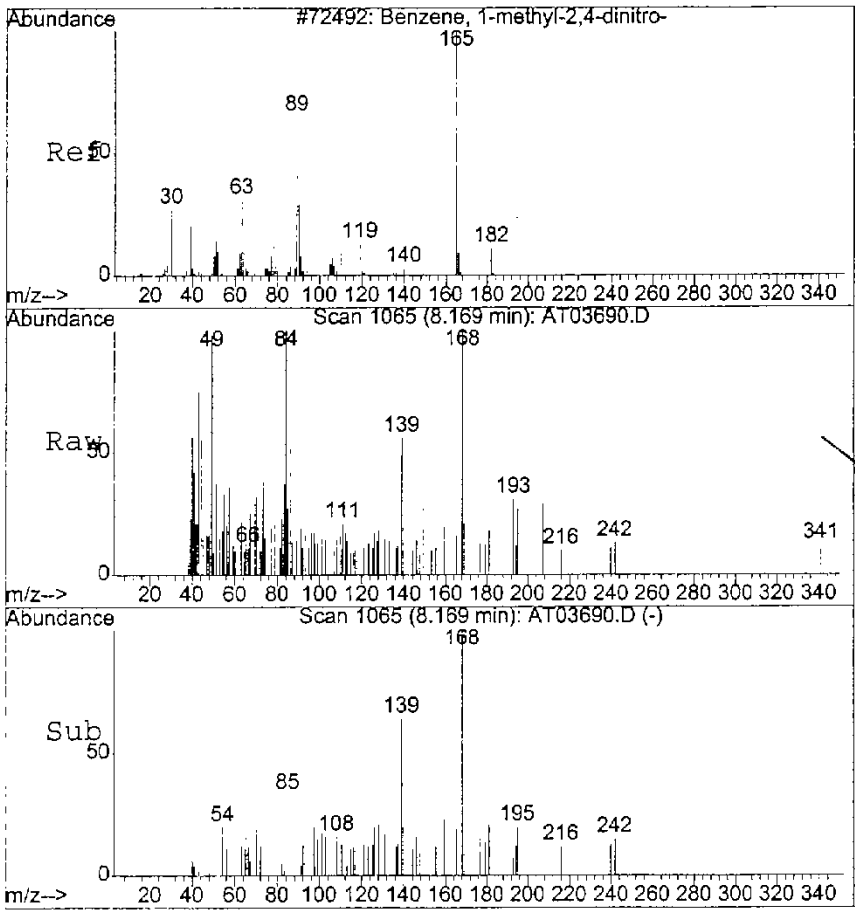
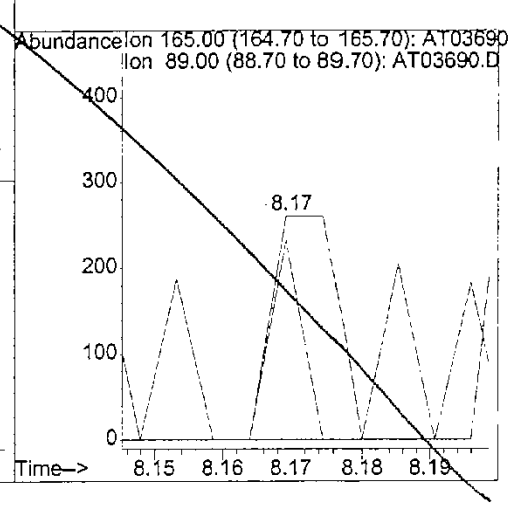
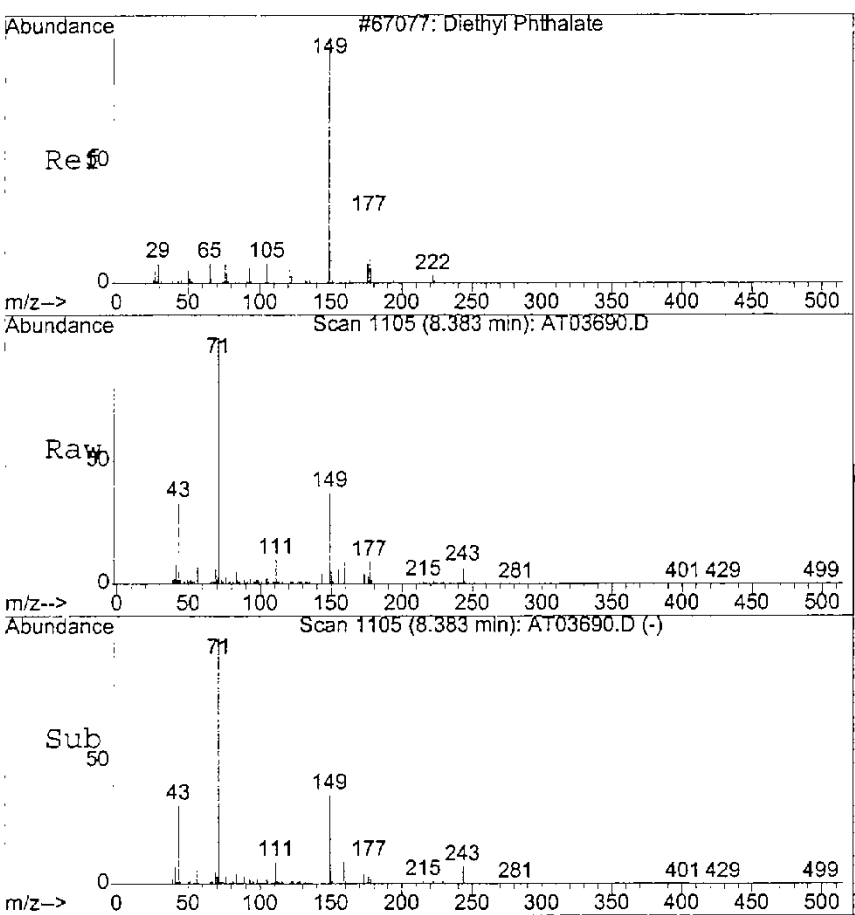


#56
2,4-Dinitrotoluene
Concen: 32.15 ug/L
RT: 8.17 min Scan# 1065
Delta R.T. 0.00 min
Lab File: AT03690.D
Acq: 1 Mar 2005 8:46 am

Tgt Ion:165 Resp: 167

Ion	Ratio	Lower	Upper
165	100		
89	49.8	22.1	82.1

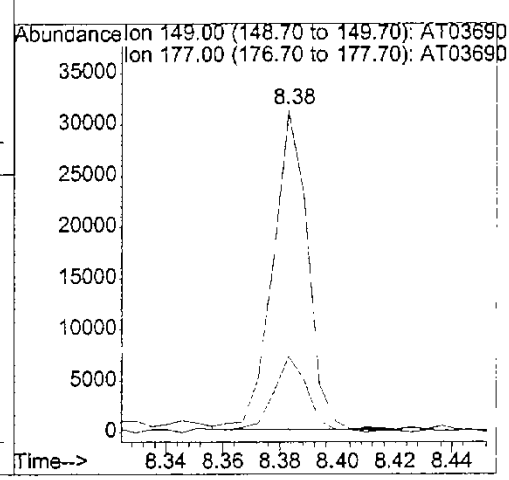




#59
Diethylphthalate
Concen: 44.18 ug/L
RT: 8.38 min Scan# 1105
Delta R.T. 0.01 min
Lab File: AT03690.D
Acq: 1 Mar 2005 8:46 am

Tgt Ion:149 Resp: 26412

Ion	Ratio	Lower	Upper
149	100		
177	23.3	0.0	53.1



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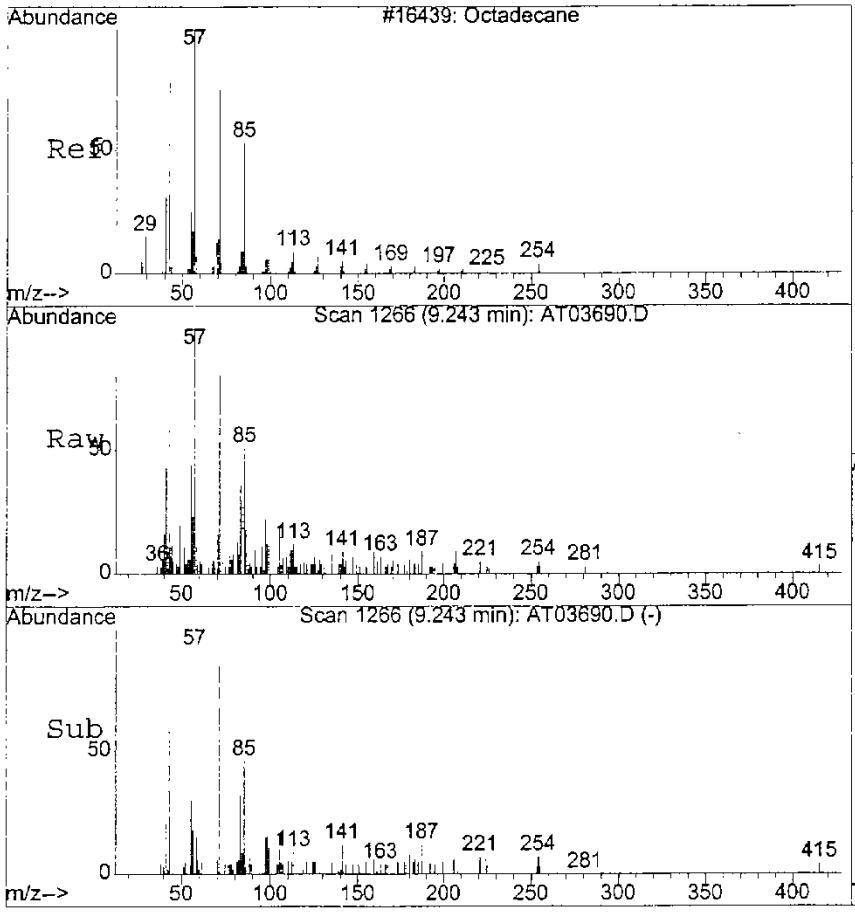
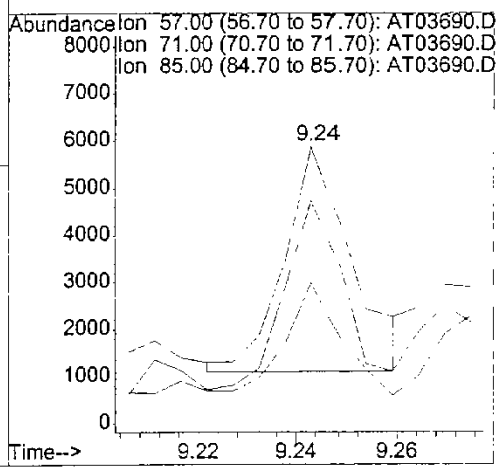
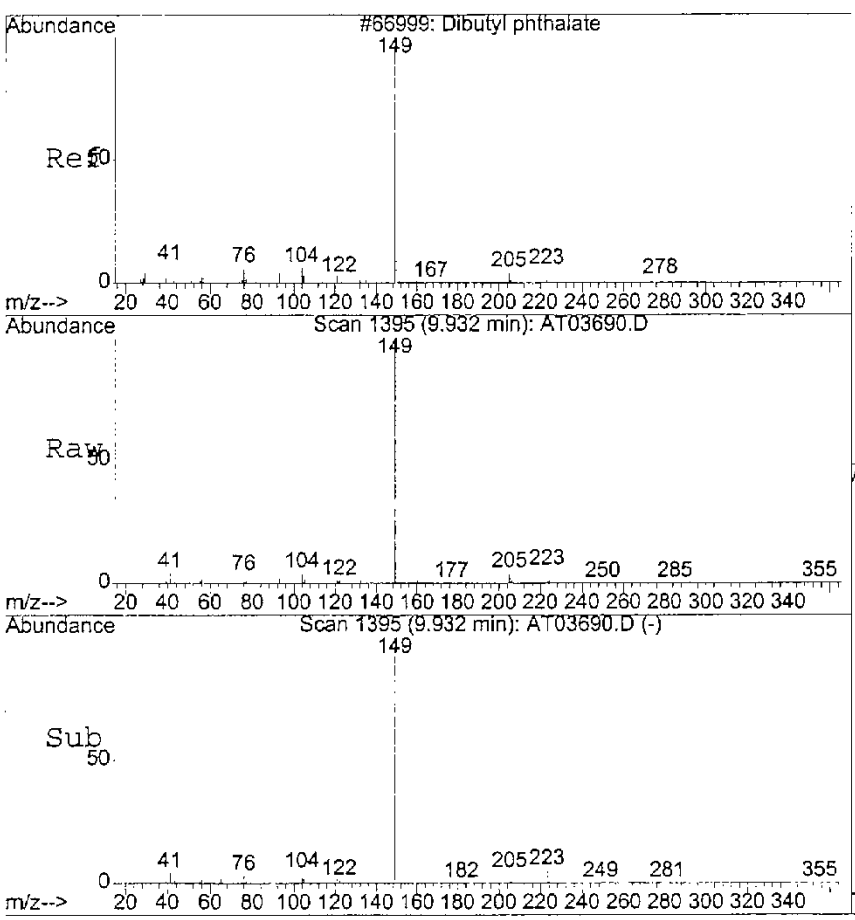


#73
Octadecane
Concen: 17.10 ul/L
RT: 9.24 min Scan# 1266
Delta R.T. 0.00 min
Lab File: AT03690.D
Acq: 1 Mar 2005 8:46 am

Tgt Ion: 57 Resp: 4392

Ion	Ratio	Lower	Upper
57	100		
71	76.5	51.7	96.1
85	50.5	37.4	69.4

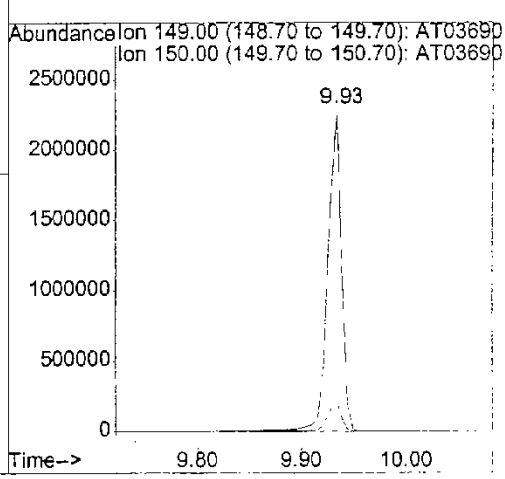


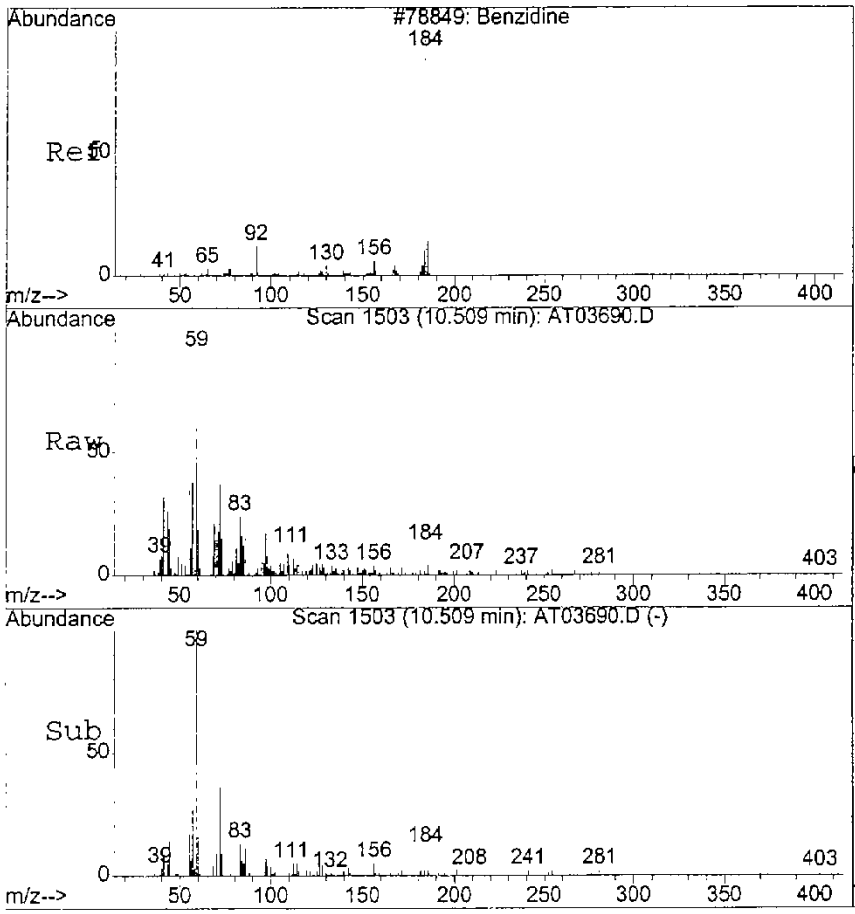


#75
Di-n-butylphthalate
Concen: 2020.20 ug/L
RT: 9.93 min Scan# 1395
Delta R.T. 0.00 min
Lab File: AT03690.D
Acq: 1 Mar 2005 8:46 am

Tgt Ion:149 Resp: 1922221

Ion	Ratio	Lower	Upper
149	100		
150	9.0	0.0	38.8

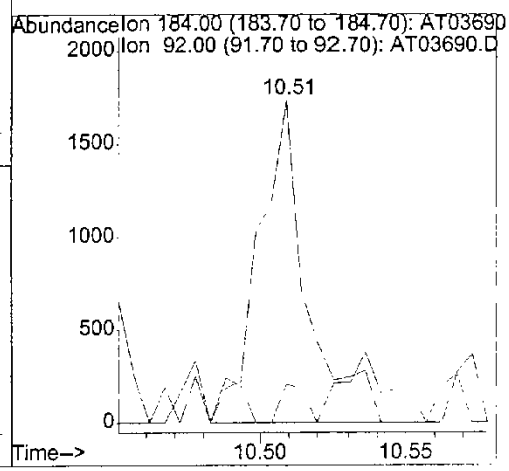


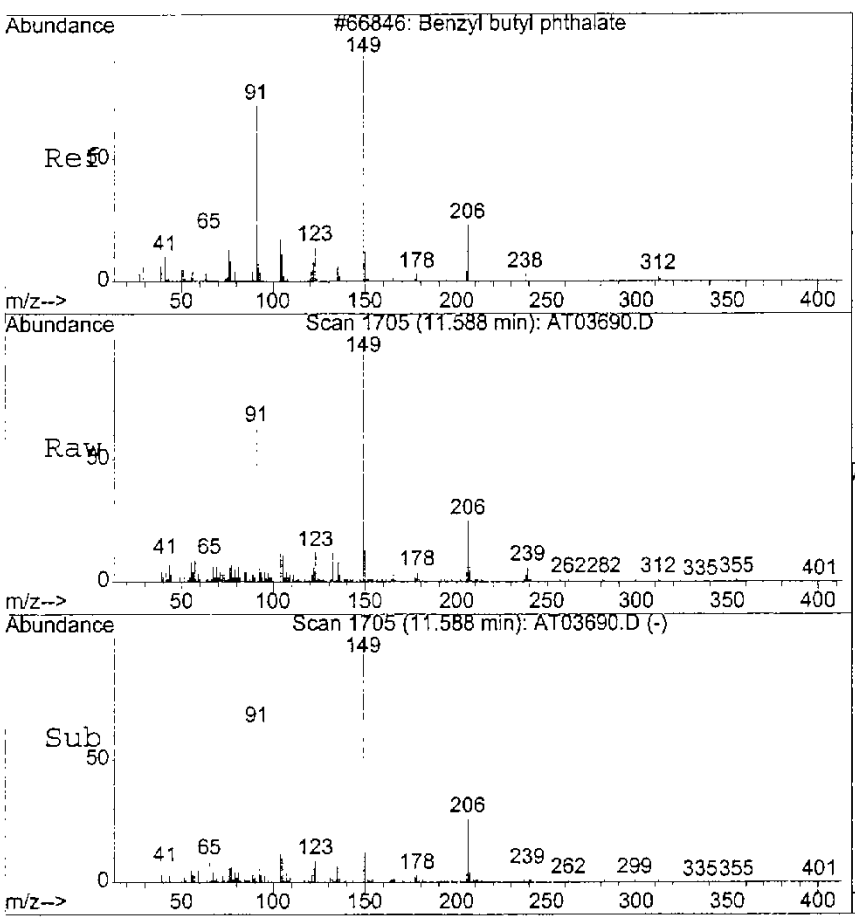


#78
Benzidine
Concen: 15.56 ul/l
RT: 10.51 min Scan# 1503
Delta R.T. -0.21 min
Lab File: AT03690.D
Acq: 1 Mar 2005 8:46 am

Tgt Ion:184 Resp: 1999

Ion	Ratio	Lower	Upper
184	100		
92	20.8	0.0	39.3

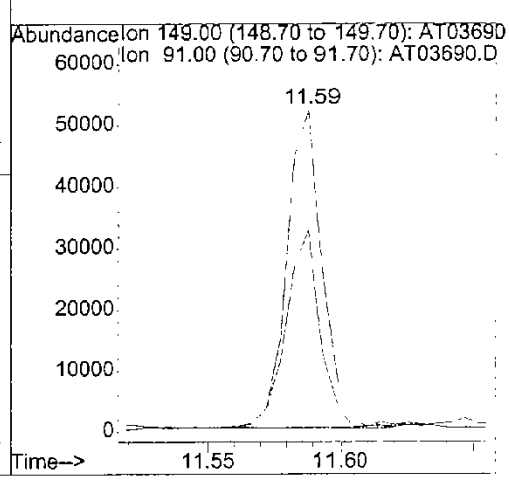


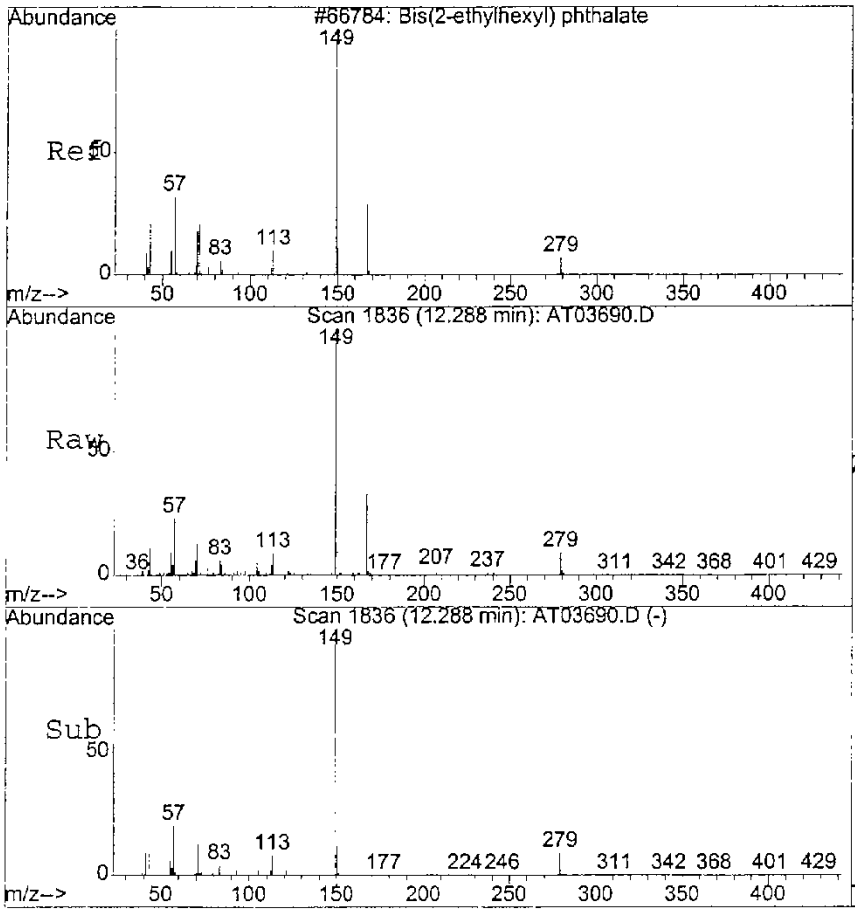


#81
Butylbenzylphthalate
Concen: 183.36 ug/L
RT: 11.59 min Scan# 1705
Delta R.T. 0.01 min
Lab File: AT03690.D
Acq: 1 Mar 2005 8:46 am

Tgt Ion:149 Resp: 47737

Ion	Ratio	Lower	Upper
149	100		
91	61.9	30.6	90.6

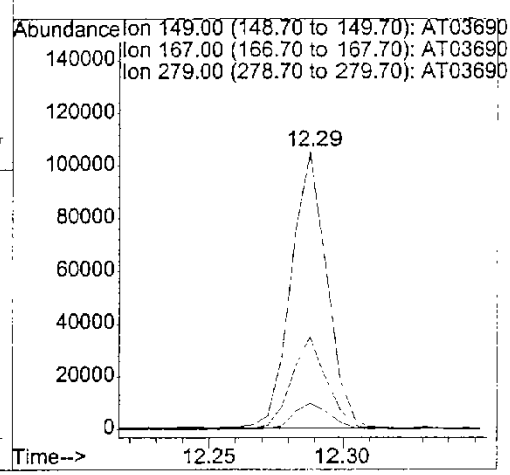


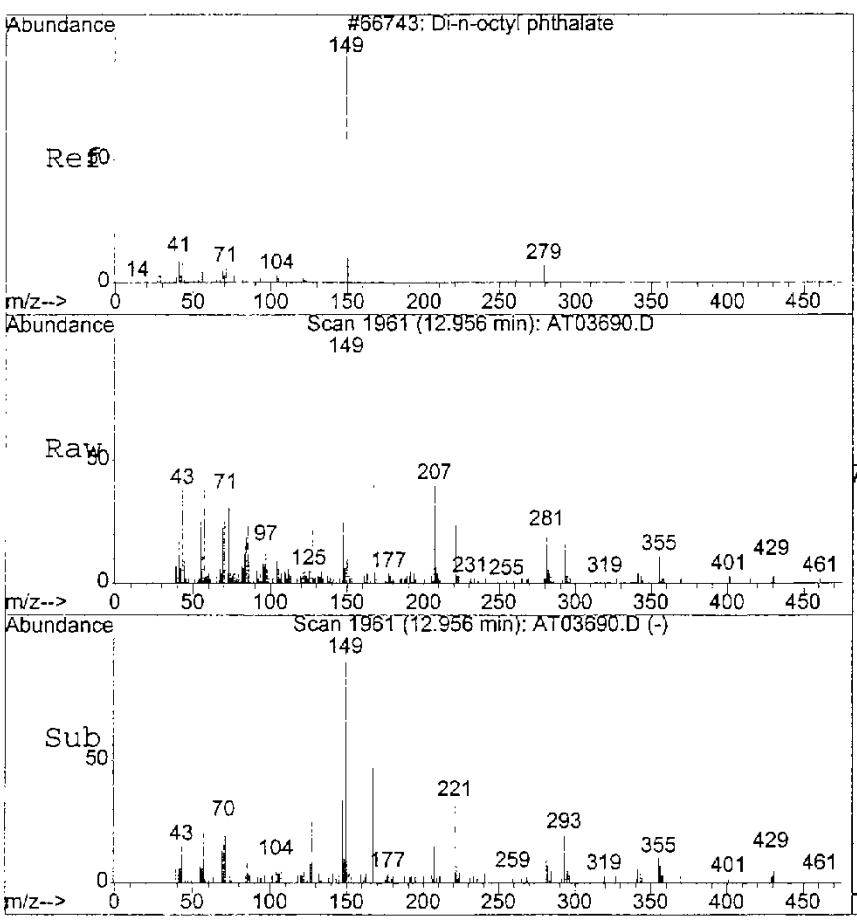


#85
bis(2-Ethylhexyl)phthalate
Concen: 180.15 ug/L
RT: 12.29 min Scan# 1836
Delta R.T. 0.00 min
Lab File: AT03690.D
Acq: 1 Mar 2005 8:46 am

Tgt Ion:149 Resp: 97475

Ion	Ratio	Lower	Upper
149	100		
167	33.4	2.4	62.4
279	9.3	0.0	39.8

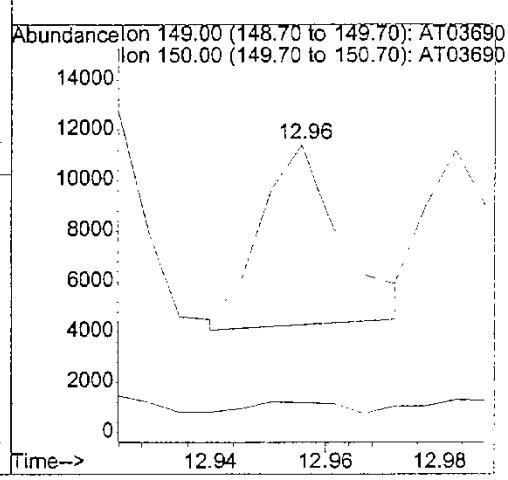


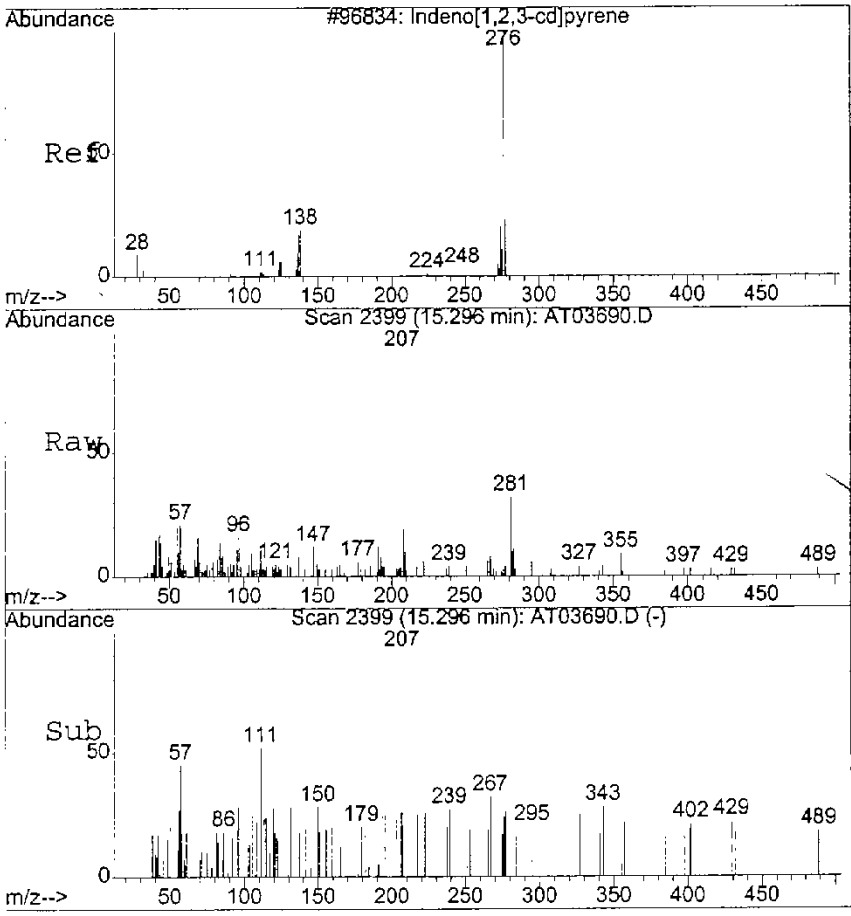


#87
Di-n-octylphthalate
Concen: 8.30 ug/L
RT: 12.96 min Scan# 1961
Delta R.T. 0.01 min
Lab File: AT03690.D
Acq: 1 Mar 2005 8:46 am

Tgt Ion:149 Resp: 6923

Ion	Ratio	Lower	Upper
149	100		
150	4.2	0.0	39.5

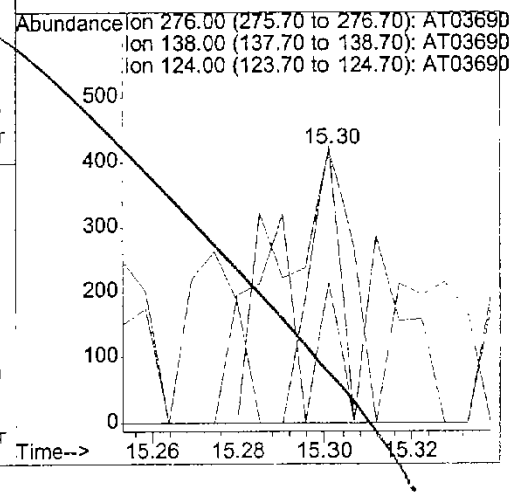


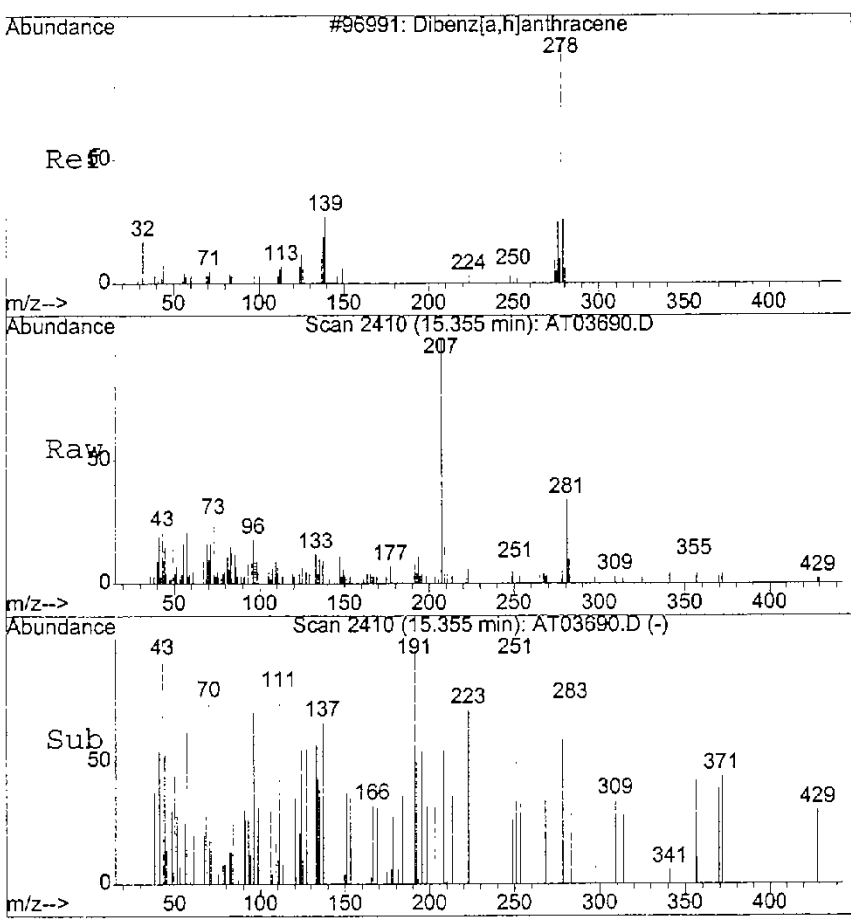


#92
Indeno(1,2,3-cd)pyrene
Concen: 19.92 ug/L
RT: 15.30 min Scan# 2399
Delta R.T. 0.00 min
Lab File: AT03690.D
Acq: 1 Mar 2005 8:46 am

Tgt Ion:276 Resp: 471

Ion	Ratio	Lower	Upper
276	100		
138	0.0	0.0	51.8
124	0.0	0.0	35.4

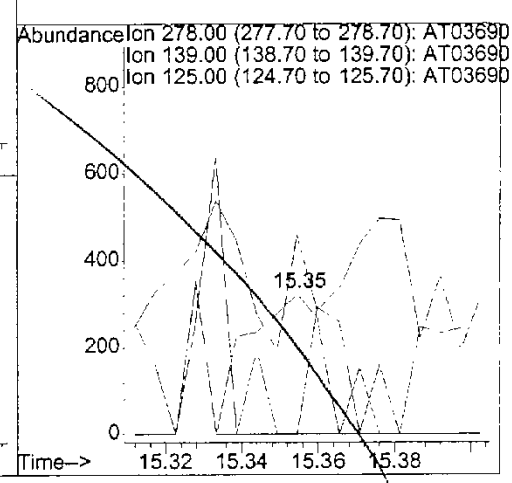




#93
Dibenz(a,h)anthracene
Concen: 13.20 ug/L
RT: 15.35 min Scan# 2410
Delta R.T. 0.01 min
Lab File: AT03690.D
Acq: 1 Mar 2005 8:46 am

Tgt Ion:278 Resp: 476

Ion	Ratio	Lower	Upper
278	100		
139	0.0	0.0	46.7
125	0.0	0.0	35.8



BLANK SPIKE

Quantitation Report (Not Reviewed)

Data File : H:\DATA\022505_A\AT03672.D
Acq On : 25 Feb 2005 1:09 pm
Sample : ss1343 bs #20 &1
Misc :
MS Integration Params: Rteint.p
Quant Time: Feb 25 14:32:54 2005

Vial: 13
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: 8270_022505.RES

Quant Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Fri Feb 25 12:17:02 2005
Response via : Initial Calibration
DataAcq Meth : 8270

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4 (I)	5.56	152	280279	1000.000	ug/L	0.00
23) Naphthalene - d8 (I)	6.67	136	1128466	1000.000	ug/L	0.00
39) Acenaphthene - d10 (I)	8.13	162	602588	1000.000	ug/L	0.00
63) Phenanthrene - d10 (I)	9.45	188	1048566	1000.000	ug/L	0.00
80) Chrysene - d12 (I)	12.33	240	1180704	1000.000	ul/l	0.00
86) Perylene - d12 (I)	14.00	264	1146786	1000.000	ug/L	0.00
System Monitoring Compounds						
4) 2 - Fluorophenol (S)	4.29	112	133814	570.21	ug/L	-0.04
8) Phenol - d5 (S)	5.25	99	187228	708.84	ug/L	0.00
24) Nitrobenzene - d5 (S)	6.05	82	41192	178.03	ug/L	-0.01
44) 2 - Fluorobiphenyl (S)	7.58	172	331345	509.62	ug/L	0.00
66) 2,4,6 - Tribromophenol (S)	8.80	330	87596	853.61	ug/L	0.00
79) p - Terphenyl - d14 (S)	11.15	244	619159	975.28	ug/L	0.00
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	2.64	74	360067	2519.037	ug/L	97
3) Pyridine	2.64	79	588633	2247.685	ug/L	95
5) Cyclohexanone	4.57	55	1450	7.886	ul/L	92
6) Benzaldehyde	5.17	105	15620	73.606	ul/L	88
7) Aniline	5.27	93	182856	665.593	ug/L	76
9) Phenol	5.26	94	260818	926.100	ug/L	83
10) bis(2-Chloroethyl)ether	5.34	93	200752	723.478	ug/L	98
11) 2-Chlorophenol	5.36	128	229824	886.052	ug/L	100
12) Decane	5.43	57	118059	414.062	ul/L	99
13) 1,3-Dichlorobenzene	5.50	146	199505	610.560	ug/L	99
14) 1,4-Dichlorobenzene	5.57	146	212148	624.997	ug/L	98
15) Benzyl alcohol	5.70	79	147609	858.677	ug/L	99
16) 1,2-Dichlorobenzene	5.70	146	220334	647.325	ug/L	97
17) 2-Methylphenol	5.81	108	192816	915.690	ug/L	97
18) bis(2-chloroisopropyl)ethe	5.83	45	218531	727.135	ug/L	99
19) 3-&4-Methylphenol	5.95	108	203394	885.202	ug/L	99
20) n-Nitroso-di-n-propylamine	5.94	70	135083	859.111	ug/L	98
21) Acetophenone	5.93	105	281071	801.649	ul/L	86
22) Hexachloroethane	6.00	201	80375	617.317	ug/L	95
25) Nitrobenzene	6.07	77	179413	800.695	ug/L	97
26) Isophorone	6.28	82	322264	692.437	ug/L	95
27) 2-Nitrophenol	6.35	139	124781	968.466	ug/L	96
28) 2,4-Dimethylphenol	6.40	107	173670	848.920	ug/L	92
29) bis(2-Chloroethoxy)methane	6.48	93	253612	876.810	ug/L	97
31) 2,4-Dichlorophenol	6.55	162	187192	989.568	ug/L	96
32) 1,2,4-Trichlorobenzene	6.62	180	227684	788.777	ug/L	99

(#) = qualifier out of range (m) = manual integration

009934

Quantitation Report (Not Reviewed)

Data File : H:\DATA\022505_A\AT03672.D
Acq On : 25 Feb 2005 1:09 pm
Sample : ss1343 bs #20 &1
Misc :
MS Integration Params: Rteint.p
Quant Time: Feb 25 14:32:54 2005

Vial: 13
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: 8270_022505.RES

Quant Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Fri Feb 25 12:17:02 2005
Response via : Initial Calibration
DataAcq Meth : 8270

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
33)	Naphthalene	6.68	128	704094	808.425	ug/L	98
34)	4-Chloroaniline	6.74	127	162841	958.024	ug/L	99
35)	Hexachlorobutadiene	6.79	225	129176	743.190	ug/L	96
36)	4-Chloro-3-methylphenol	7.15	107	172141	864.334	ug/L	99
37)	2-Methylnaphthalene	7.27	141	416785	903.200	ug/L	98
38)	1-Methylnaphthalene	7.35	141	436102	907.054	ul/l	97
40)	Hexachlorocyclopentadiene	7.40	237	73484	451.510	ug/L	97
41)	2,3-Dichloroaniline	7.50	161	244718	940.511	ul/L	98
42)	2,4,6-Trichlorophenol	7.50	196	142151	1005.176	ug/L	88
43)	2,4,5-Trichlorophenol	7.53	196	147703	842.810	ug/L	92
45)	2-Chloronaphthalene	7.67	162	469221	891.735	ug/L	97
46)	Biphenyl	7.66	154	619121	916.528	ul/L	100
47)	2-Nitroaniline	7.76	138	133932	876.357	ug/L	90
48)	Dimethylphthalate	7.92	163	535765	946.789	ug/L	100
49)	Acenaphthylene	8.01	152	735551	885.082	ug/L	100
50)	2,6-Dinitrotoluene	7.97	165	132401	929.149	ug/L	92
51)	3-Nitroaniline	8.10	138	72614	3701.217	ug/L	86
52)	Acenaphthene	8.15	153	499385	913.211	ug/L	92
53)	2,4-Dinitrophenol	8.19	184	60724	1281.414	ug/L	93
54)	4-Nitrophenol	8.25	139	299753	3824.479	ug/L	97
55)	Dibenzofuran	8.30	168	673378	919.163	ug/L	99
56)	2,4-Dinitrotoluene	8.29	165	160520	902.555	ug/L	89
57)	2,3,4,6-Tetrachlorophenol	8.37	232	105582	730.428	ug/L	98
58)	2,3,5,6-Tetrachlorophenol	8.40	232	122582	869.822	ul/l	98
59)	Diethylphthalate	8.51	149	560804	937.049	ug/L	99
60)	Fluorene	8.59	166	534155	947.427	ug/L	97
61)	4-Chlorophenylphenylether	8.60	204	281046	947.117	ug/L	94
62)	4-Nitroaniline	8.61	138	75007	930.677	ug/L	99
64)	4,6-Dinitro-2-methylphenol	8.64	198	429535	3988.233	ug/L	94
65)	n-Nitrosodiphenylamine	8.70	169	417448	1070.352	ug/L	98
67)	Azobenzene	8.74	77	396196	929.737	ug/L	94
68)	4-Bromophenylphenylether	9.03	248	177723	1004.335	ug/L	99
69)	Hexachlorobenzene	9.08	284	208495	908.430	ug/L	97
70)	Pentachlorophenol	9.27	266	36049	381.090	ug/L	87
71)	Phenanthrene	9.47	178	798566	934.120	ug/L	99
72)	Anthracene	9.52	178	755538	974.440	ug/L	99
73)	Octadecane	9.38	57	276069	1112.783	ul/L	100
74)	Carbazole	9.69	167	573465	1092.540	ug/L	99
75)	Di-n-butylphthalate	10.07	149	2117907	2304.727	ug/L	99
76)	Fluoranthene	10.70	202	891410	1021.647	ug/L	97
77)	Pyrene	10.95	202	936300	1034.588	ug/L	97

(#) = qualifier out of range (m) = manual integration

000035

Quantitation Report (Not Reviewed)

Data File : H:\DATA\022505_A\AT03672.D
Acq On : 25 Feb 2005 1:09 pm
Sample : ss1343 bs #20 &1
Misc :
MS Integration Params: Rteint.p
Quant Time: Feb 25 14:32:54 2005

Vial: 13
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: 8270_022505.RES

Quant Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Fri Feb 25 12:17:02 2005
Response via : Initial Calibration
DataAcq Meth : 8270

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
78)	Benzidine	10.89	184	19637	158.252	ul/l	88
81)	Butylbenzylphthalate	11.74	149	424395	1053.526	ug/L	93
82)	Benzo(a)anthracene	12.32	228	870784	1015.242	ug/L	98
83)	3,3'-Dichlorobenzidine	12.32	252	519907	2134.262	ug/L	97
84)	Chrysene	12.36	228	835435	934.484	ug/L	95
85)	bis(2-Ethylhexyl)phthalate	12.44	149	710954	1283.399	ug/L	99
87)	Di-n-octylphthalate	13.18	149	1016205	1143.529	ug/L	99
88)	Benzo(b)fluoranthene	13.53	252	922740	929.753	ul/l	98
89)	benzo(k)fluoranthene	13.56	252	928710	1055.121	ul/l	99
90)	Benzofluoranthenes	13.55	252	1866588	2093.536	ug/L	93
91)	Benzo(a)pyrene	13.92	252	817966	1070.024	ug/L	96
92)	Indeno(1,2,3-cd)pyrene	15.56	276	793675	952.850	ug/L	99
93)	Dibenz(a,h)anthracene	15.61	278	835535	939.620	ug/L	98
94)	Benzo(g,h,i)perylene	15.90	276	893042	1045.983	ug/L	99

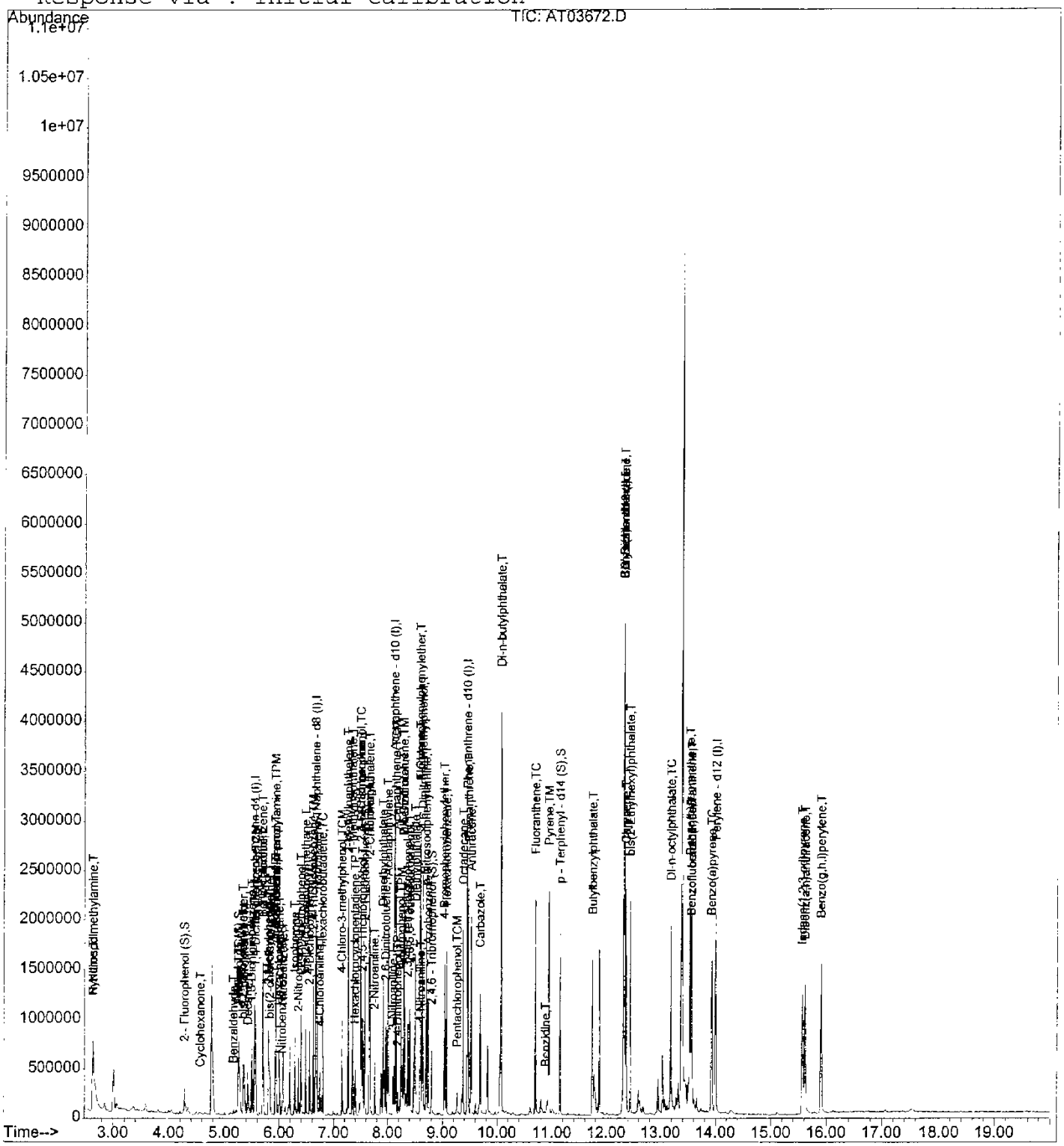
(#) = qualifier out of range (m) = manual integration

000936

Data File : H:\DATA\022505_A\AT03672.D
Acq On : 25 Feb 2005 1:09 pm
Sample : ss1343 bs #20 &1
Misc :
MS Integration Params: Rteint.p
Quant Time: Feb 25 14:33 2005

Vial: 13
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: 8270_022505.

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Fri Feb 25 12:17:02 2005
Response via : Initial Calibration



009337

Quantitation Report (Not Reviewed)

Data File : H:\DATA\022505_A\AT03673.D
Acq On : 25 Feb 2005 1:37 pm
Sample : ss1343 bsd #20 &1
Misc :
MS Integration Params: Rteint.p
Quant Time: Feb 25 14:29:56 2005

Vial: 14
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: 8270_022505.RES

Quant Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Fri Feb 25 12:17:02 2005
Response via : Initial Calibration
DataAcq Meth : 8270

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4 (I)	5.56	152	292656	1000.000	ug/L	0.00
23) Naphthalene - d8 (I)	6.67	136	1155888	1000.000	ug/L	0.00
39) Acenaphthene - d10 (I)	8.13	162	616319	1000.000	ug/L	0.00
63) Phenanthrene - d10 (I)	9.45	188	1124013	1000.000	ug/L	0.00
80) Chrysene - d12 (I)	12.33	240	1211454	1000.000	ul/l	0.00
86) Perylene - d12 (I)	14.00	264	1166345	1000.000	ug/L	0.00
System Monitoring Compounds						
4) 2 - Fluorophenol (S)	4.29	112	166482	679.41	ug/L	-0.03
8) Phenol - d5 (S)	5.25	99	217373	788.16	ug/L	0.00
24) Nitrobenzene - d5 (S)	6.05	82	88118	371.80	ug/L	-0.01
44) 2 - Fluorobiphenyl (S)	7.58	172	418660	629.57	ug/L	0.00
66) 2,4,6 - Tribromophenol (S)	8.81	330	88402	805.37	ug/L	0.00
79) p - Terphenyl - d14 (S)	11.15	244	584874	859.43	ug/L	0.00
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	2.65	74	354757	2390.067	ug/L	98
3) Pyridine	2.64	79	554770	2046.287	ug/L	97
5) Cyclohexanone	4.57	55	1806	9.407	ul/L	63
6) Benzaldehyde	5.17	105	14651	66.120	ul/L	86
7) Aniline	5.27	93	196717	685.060	ug/L	75
9) Phenol	5.26	94	285380	970.458	ug/L	82
10) bis(2-Chloroethyl)ether	5.34	93	200575	692.270	ug/L	100
11) 2-Chlorophenol	5.36	128	243260	898.189	ug/L	99
12) Decane	5.43	57	116740	392.120	ul/L	100
13) 1,3-Dichlorobenzene	5.50	146	192215	563.372	ug/L	99
14) 1,4-Dichlorobenzene	5.57	146	206493	582.609	ug/L	96
15) Benzyl alcohol	5.70	79	160966	895.756	ug/L	97
16) 1,2-Dichlorobenzene	5.70	146	214290	602.942	ug/L	99
17) 2-Methylphenol	5.81	108	210979	959.572	ug/L	97
18) bis(2-chloroisopropyl)ethe	5.83	45	222873	710.220	ug/L	100
19) 3-&4-Methylphenol	5.95	108	216253	900.886	ug/L	100
20) n-Nitroso-di-n-propylamine	5.94	70	140504	855.892	ug/L	99
21) Acetophenone	5.93	105	298036	813.999	ul/L	86
22) Hexachloroethane	6.00	201	74157	545.472	ug/L	96
25) Nitrobenzene	6.07	77	193420	842.728	ug/L	96
26) Isophorone	6.28	82	321921	675.291	ug/L	98
27) 2-Nitrophenol	6.35	139	133174	1009.086	ug/L	98
28) 2,4-Dimethylphenol	6.40	107	198214	942.776	ug/L	93
29) bis(2-Chloroethoxy)methane	6.48	93	267492	902.857	ug/L	97
31) 2,4-Dichlorophenol	6.55	162	196926	1016.329	ug/L	96
32) 1,2,4-Trichlorobenzene	6.62	180	230610	779.960	ug/L	98

(#) = qualifier out of range (m) = manual integration

009338

Quantitation Report (Not Reviewed)

Data File : H:\DATA\022505_A\AT03673.D
Acq On : 25 Feb 2005 1:37 pm
Sample : ss1343 bsd #20 &1
Misc :
MS Integration Params: Rteint.p
Quant Time: Feb 25 14:29:56 2005

Vial: 14
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: 8270_022505.RES

Quant Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Fri Feb 25 12:17:02 2005
Response via : Initial Calibration
DataAcq Meth : 8270

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
33)	Naphthalene	6.68	128	732896	821.532	ug/L	99
34)	4-Chloroaniline	6.74	127	179479	1030.858	ug/L	98
35)	Hexachlorobutadiene	6.79	225	130023	730.316	ug/L	97
36)	4-Chloro-3-methylphenol	7.15	107	182891	895.154	ug/L	98
37)	2-Methylnaphthalene	7.27	141	426221	901.736	ug/L	100
38)	1-Methylnaphthalene	7.35	141	445525	904.670	ul/l	98
40)	Hexachlorocyclopentadiene	7.39	237	78831	472.173	ug/L	100
41)	2,3-Dichloroaniline	7.50	161	251578	945.334	ul/L	99
42)	2,4,6-Trichlorophenol	7.50	196	148227	1024.789	ug/L	90
43)	2,4,5-Trichlorophenol	7.53	196	157513	877.358	ug/L	92
45)	2-Chloronaphthalene	7.67	162	491966	914.131	ug/L	98
46)	Biphenyl	7.66	154	641414	928.375	ul/L	100
47)	2-Nitroaniline	7.76	138	146374	934.962	ug/L	91
48)	Dimethylphthalate	7.92	163	552923	955.341	ug/L	100
49)	Acenaphthylene	8.01	152	753195	886.121	ug/L	100
50)	2,6-Dinitrotoluene	7.97	165	133605	917.056	ug/L	92
51)	3-Nitroaniline	8.10	138	77137	3864.241	ug/L	86
52)	Acenaphthene	8.15	153	505148	903.169	ug/L	90
53)	2,4-Dinitrophenol	8.19	184	44633	1022.410	ug/L	100
54)	4-Nitrophenol	8.25	139	300064	3761.784	ug/L	98
55)	Dibenzofuran	8.30	168	686162	915.746	ug/L	98
56)	2,4-Dinitrotoluene	8.29	165	163423	898.549	ug/L	93
57)	2,3,4,6-Tetrachlorophenol	8.37	232	106116	718.651	ug/L	99
58)	2,3,5,6-Tetrachlorophenol	8.40	232	124139	861.245	ul/l	99
59)	Diethylphthalate	8.51	149	572935	935.990	ug/L	99
60)	Fluorene	8.59	166	555657	963.608	ug/L	97
61)	4-Chlorophenylphenylether	8.60	204	278948	919.104	ug/L	96
62)	4-Nitroaniline	8.61	138	80135	972.153	ug/L	98
64)	4,6-Dinitro-2-methylphenol	8.64	198	397562	3495.976	ug/L	94
65)	n-Nitrosodiphenylamine	8.70	169	438391	1048.783	ug/L	99
67)	Azobenzene	8.74	77	404797	886.160	ug/L	96
68)	4-Bromophenylphenylether	9.03	248	182713	963.227	ug/L	98
69)	Hexachlorobenzene	9.08	284	218575	888.425	ug/L	96
70)	Pentachlorophenol	9.27	266	32379	319.317	ug/L	97
71)	Phenanthrene	9.47	178	810273	884.195	ug/L	100
72)	Anthracene	9.52	178	774116	931.385	ug/L	99
73)	Octadecane	9.38	57	281124	1057.098	ul/L	99
74)	Carbazole	9.69	167	598188	1063.145	ug/L	99
75)	Di-n-butylphthalate	10.07	149	2196922	2230.241	ug/L	99
76)	Fluoranthene	10.70	202	899027	961.215	ug/L	97
77)	Pyrene	10.95	202	936973	965.837	ug/L	98

(#) = qualifier out of range (m) = manual integration

009339

Quantitation Report (Not Reviewed)

Data File : H:\DATA\022505_A\AT03673.D Vial: 14
Acq On : 25 Feb 2005 1:37 pm Operator: RBF
Sample : ss1343 bsd #20 &1 Inst : hp6890gcm
Misc : Multiplr: 1.00
MS Integration Params: Rteint.p
Quant Time: Feb 25 14:29:56 2005 Quant Results File: 8270_022505.RES

Quant Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Fri Feb 25 12:17:02 2005
Response via : Initial Calibration
DataAcq Meth : 8270

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
78)	Benzidine	10.88	184	16843	126.625	ul/l	98
81)	Butylbenzylphthalate	11.74	149	443429	1071.550	ug/L	94
82)	Benzo(a)anthracene	12.32	228	851366	967.408	ug/L	99
83)	3,3'-Dichlorobenzidine	12.32	252	512351	2050.941	ug/L	98
84)	Chrysene	12.36	228	810860	883.973	ug/L	96
85)	bis(2-Ethylhexyl)phthalate	12.44	149	731852	1287.590	ug/L	98
87)	Di-n-octylphthalate	13.18	149	964212	1066.827	ug/L	99
88)	Benzo(b)fluoranthene	13.53	252	900319	892.462	ul/l	98
89)	benzo(k)fluoranthene	13.56	252	899803	1005.136	ul/l	99
90)	Benzofluoranthenes	13.55	252	1816201	2002.863	ug/L	92
91)	Benzo(a)pyrene	13.93	252	797590	1025.872	ug/L	99
92)	Indeno(1,2,3-cd)pyrene	15.57	276	771062	911.044	ug/L	98
93)	Dibenz(a,h)anthracene	15.61	278	807288	893.262	ug/L	96
94)	Benzo(g,h,i)perylene	15.91	276	872203	1004.444	ug/L	99

(#) = qualifier out of range (m) = manual integration

009440

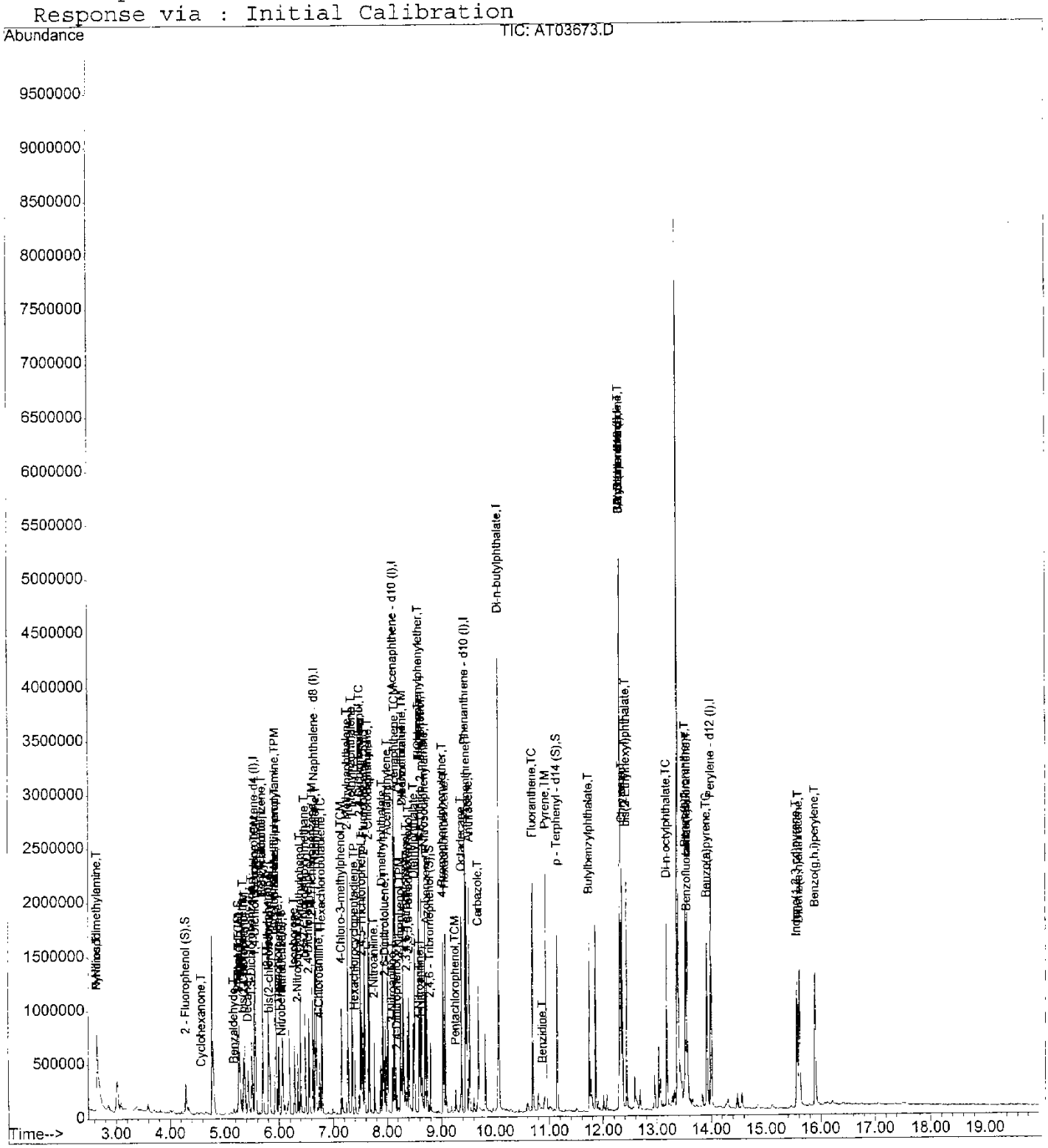
Quantitation Report (Not Reviewed)

Data File : H:\DATA\022505_A\AT03673.D
Acq On : 25 Feb 2005 1:37 pm
Sample : ss1343 bsd #20 &1
Misc :
MS Integration Params: Rteint.p
Quant Time: Feb 25 14:30 2005

Vial: 14
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00

Quant Results File: 8270_022505.

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Fri Feb 25 12:17:02 2005
Response via : Initial Calibration



009941

Quantitation Report (Not Reviewed)

Data File : H:\DATA\030105_A\AT03691.D
Acq On : 1 Mar 2005 9:14 am
Sample : ss1348 bs #20 &1
Misc :
MS Integration Params: Rteint.p
Quant Time: Mar 01 09:54:16 2005

Vial: 5
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: 8270_022505.RES

Quant Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Feb 28 14:16:48 2005
Response via : Initial Calibration
DataAcq Meth : 8270

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4 (I)	5.42	152	276939	1000.000	ug/L	0.00
23) Naphthalene - d8 (I)	6.54	136	1104944	1000.000	ug/L	0.00
39) Acenaphthene - d10 (I)	8.00	162	568932	1000.000	ug/L	0.00
63) Phenanthrene - d10 (I)	9.31	188	998273	1000.000	ug/L	0.00
80) Chrysene - d12 (I)	12.16	240	1005688	1000.000	ul/l	0.00
86) Perylene - d12 (I)	13.78	264	964202	1000.000	ug/L	0.00
System Monitoring Compounds						
4) 2 - Fluorophenol (S)	4.14	112	91783	395.82	ug/L	-0.01
8) Phenol - d5 (S)	5.12	99	151351	579.92	ug/L	0.00
24) Nitrobenzene - d5 (S)	5.93	82	28052	123.82	ug/L	0.00
44) 2 - Fluorobiphenyl (S)	7.45	172	190916	311.01	ug/L	0.00
66) 2,4,6 - Tribromophenol (S)	8.67	330	74348	764.21	ug/L	0.00
79) p - Terphenyl - d14 (S)	11.00	244	473543	783.49	ug/L	0.00
Target Compounds						Qvalue
6) Benzaldehyde	5.04	105	7818	37.285	ul/L	82
7) Aniline	5.15	93	152930	566.946	ug/L	93
9) Phenol	5.14	94	261271	938.897	ug/L	89
10) bis(2-Chloroethyl)ether	5.22	93	157665	575.052	ug/L	97
11) 2-Chlorophenol	5.23	128	221390	863.830	ug/L	95
12) Decane	5.30	57	29811	105.816	ul/L	99
13) 1,3-Dichlorobenzene	5.37	146	84947	263.105	ug/L	94
14) 1,4-Dichlorobenzene	5.44	146	104080	310.322	ug/L	98
15) Benzyl alcohol	5.58	79	151396	890.454	ug/L	99
16) 1,2-Dichlorobenzene	5.57	146	123241	366.439	ug/L	99
17) 2-Methylphenol	5.68	108	194633	935.466	ug/L	97
18) bis(2-chloroisopropyl)ethe	5.71	45	175623	591.412	ug/L	96
19) 3-&4-Methylphenol	5.83	108	203313	895.217	ug/L	99
21) Acetophenone	5.81	105	273761	790.297	ul/L	86
22) Hexachloroethane	5.87	201	37137	288.669	ug/L	93
25) Nitrobenzene	5.95	77	169071	770.603	ug/L	96
26) Isophorone	6.17	82	279537	613.418	ug/L	93
27) 2-Nitrophenol	6.22	139	127988	1014.503	ug/L	98
28) 2,4-Dimethylphenol	6.28	107	193439	961.911	ug/L	94
29) bis(2-Chloroethoxy)methane	6.36	93	249115	879.597	ug/L	97
30) Benzoic Acid	6.33	105	43111	696.176	ug/L	94
31) 2,4-Dichlorophenol	6.43	162	183891	992.812	ug/L	98
32) 1,2,4-Trichlorobenzene	6.50	180	192904	682.513	ug/L	99
33) Naphthalene	6.56	128	615294	721.506	ug/L	98
34) 4-Chloroaniline	6.63	127	135355	813.270	ug/L	97
35) Hexachlorobutadiene	6.67	225	97426	572.455	ug/L	100

(#) = qualifier out of range (m) = manual integration

00942

Quantitation Report (Not Reviewed)

Data File : H:\DATA\030105_A\AT03691.D
Acq On : 1 Mar 2005 9:14 am
Sample : ss1348 bs #20 &1
Misc :
MS Integration Params: Rteint.p
Quant Time: Mar 01 09:54:16 2005

Vial: 5
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: 8270_022505.RES

Quant Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Feb 28 14:16:48 2005
Response via : Initial Calibration
DataAcq Meth : 8270

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
36)	4-Chloro-3-methylphenol	7.03	107	163513	839.589	ug/L	98
37)	2-Methylnaphthalene	7.14	141	369141	816.982	ug/L	99
38)	1-Methylnaphthalene	7.22	141	379812	806.793	ul/l	98
40)	Hexachlorocyclopentadiene	7.28	237	63407	415.106	ug/L	99
41)	2,3-Dichloroaniline	7.38	161	220375	897.058	ul/L	96
42)	2,4,6-Trichlorophenol	7.38	196	135189	1012.497	ug/L	97
43)	2,4,5-Trichlorophenol	7.41	196	138799	839.010	ug/L	93
45)	2-Chloronaphthalene	7.54	162	422742	850.930	ug/L	98
46)	Biphenyl	7.53	154	561884	881.002	ul/L	99
47)	2-Nitroaniline	7.63	138	133907	926.763	ug/L	91
48)	Dimethylphthalate	7.80	163	467677	875.357	ug/L	100
49)	Acenaphthylene	7.89	152	636537	811.250	ug/L	100
50)	2,6-Dinitrotoluene	7.84	165	113910	848.970	ug/L	95
51)	3-Nitroaniline	7.98	138	59395	3137.041	ug/L	91
52)	Acenaphthene	8.03	153	431496	835.742	ug/L	96
53)	2,4-Dinitrophenol	8.06	184	167114	2954.618	ug/L	93
54)	4-Nitrophenol	8.13	139	335585	4372.234	ug/L	98
55)	Dibenzofuran	8.17	168	604988	874.662	ug/L	99
56)	2,4-Dinitrotoluene	8.17	165	143322	855.224	ug/L	88
57)	2,3,4,6-Tetrachlorophenol	8.24	232	108990	793.849	ug/L	96
58)	2,3,5,6-Tetrachlorophenol	8.28	232	115806	870.352	ul/l	97
59)	Diethylphthalate	8.38	149	481007	851.261	ug/L	99
60)	Fluorene	8.46	166	466459	876.299	ug/L	98
61)	4-Chlorophenylphenylether	8.47	204	247261	882.556	ug/L	92
62)	4-Nitroaniline	8.48	138	58261	765.659	ug/L	96
64)	4,6-Dinitro-2-methylphenol	8.51	198	403289	3938.483	ug/L	93
65)	n-Nitrosodiphenylamine	8.58	169	377963	1018.374	ug/L	98
67)	Azobenzene	8.61	77	361848	891.914	ug/L	99
68)	4-Bromophenylphenylether	8.90	248	152205	903.463	ug/L	99
69)	Hexachlorobenzene	8.94	284	180593	826.501	ug/L	97
70)	Pentachlorophenol	9.13	266	57232	635.507	ug/L	99
71)	Phenanthrene	9.33	178	673821	827.910	ug/L	99
72)	Anthracene	9.38	178	647911	877.730	ug/L	99
73)	Octadecane	9.24	57	238800	1011.052	ul/L	99
74)	Carbazole	9.54	167	463464	927.455	ug/L	98
75)	Di-n-butylphthalate	9.93	149	1804005	2062.039	ug/L	99
76)	Fluoranthene	10.54	202	725473	873.356	ug/L	99
77)	Pyrene	10.78	202	747076	867.089	ug/L	96
78)	Benzidine	10.71	184	2998	25.378	ul/l	68
81)	Butylbenzylphthalate	11.58	149	350972	1024.920	ug/L	97
82)	Benzo(a)anthracene	12.15	228	674684	923.501	ug/L	95

(#) = qualifier out of range (m) = manual integration

009943

Quantitation Report (Not Reviewed)

Data File : H:\DATA\030105_A\AT03691.D
Acq On : 1 Mar 2005 9:14 am
Sample : ss1348 bs #20 &1
Misc :
MS Integration Params: Rteint.p
Quant Time: Mar 01 09:54:16 2005

Vial: 5
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: 8270_022505.RES

Quant Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Feb 28 14:16:48 2005
Response via : Initial Calibration
DataAcq Meth : 8270

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
83)	3,3'-Dichlorobenzidine	12.15	252	378298	1827.189	ug/L	98
84)	Chrysene	12.19	228	645949	848.272	ug/L	99
85)	bis(2-Ethylhexyl)phthalate	12.29	149	558633	1183.926	ug/L	99
87)	Di-n-octylphthalate	12.91	149	29399	39.347	ug/L	98
88)	Benzo(b)fluoranthene	13.34	252	719151	862.755	ul/l	98
89)	benzo(k)fluoranthene	13.37	252	685518	926.308	ul/l	97
90)	Benzofluoranthenes	13.36	252	1409124	1879.730	ug/L	91
91)	Benzo(a)pyrene	13.71	252	617614	960.926	ug/L	97
92)	Indeno(1,2,3-cd)pyrene	15.29	276	632455	904.089	ug/L	99
93)	Dibenz(a,h)anthracene	15.34	278	645095	863.864	ug/L	96
94)	Benzo(g,h,i)perylene	15.66	276	685778	955.324	ug/L	98

(#) = qualifier out of range (m) = manual integration

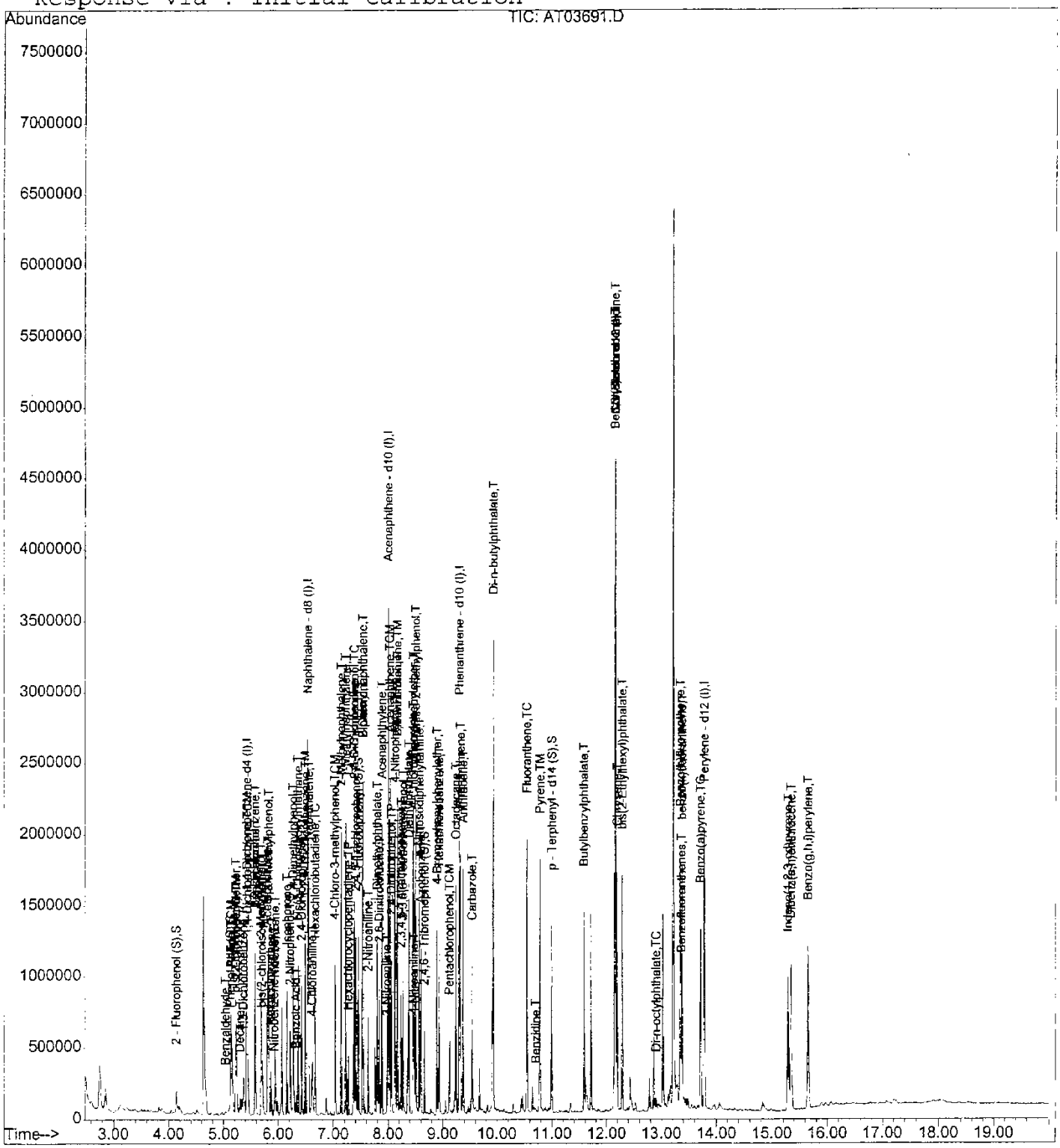
009944

Quantitation Report (Not Reviewed)

Data File : H:\DATA\030105_A\AT03691.D
Acq On : 1 Mar 2005 9:14 am
Sample : ss1348 bs #20 &1
Misc :
MS Integration Params: Rteint.p
Quant Time: Mar 1 9:56 2005

Vial: 5
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: 8270_022505.

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Feb 28 14:16:48 2005
Response via : Initial Calibration



009945

Quantitation Report (Not Reviewed)

Data File : H:\DATA\030105_A\AT03692.D
Acq On : 1 Mar 2005 9:41 am
Sample : ss1348 bsd #20 &1
Misc :
MS Integration Params: Rteint.p
Quant Time: Mar 01 10:56:30 2005

Vial: 6
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: 8270_022505.RES

Quant Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Feb 28 14:16:48 2005
Response via : Initial Calibration
DataAcq Meth : 8270

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4 (I)	5.42	152	279303	1000.000 ug/L	0.00
23) Naphthalene - d8 (I)	6.54	136	1107741	1000.000 ug/L	0.00
39) Acenaphthene - d10 (I)	8.00	162	576026	1000.000 ug/L	0.00
63) Phenanthrene - d10 (I)	9.31	188	1019632	1000.000 ug/L	0.00
80) Chrysene - d12 (I)	12.16	240	1066798	1000.000 ul/l	0.00
86) Perylene - d12 (I)	13.78	264	1010720	1000.000 ug/L	0.00
System Monitoring Compounds					
4) 2 - Fluorophenol (S)	4.14	112	160665	687.02 ug/L	-0.01
8) Phenol - d5 (S)	5.12	99	230408	875.36 ug/L	0.00
24) Nitrobenzene - d5 (S)	5.93	82	63802	280.91 ug/L	0.00
44) 2 - Fluorobiphenyl (S)	7.45	172	363000	584.05 ug/L	0.00
66) 2,4,6 - Tribromophenol (S)	8.67	330	81725	820.20 ug/L	0.00
79) p - Terphenyl - d14 (S)	11.00	244	519694	841.83 ug/L	0.00
Target Compounds					Qvalue
3) Pyridine	2.78	79	2003	186.728 ug/L	92
5) Cyclohexanone	4.43	55	1149	6.271 ul/L	92
7) Aniline	5.15	93	167979	615.394 ug/L	99
9) Phenol	5.14	94	297788	1061.066 ug/L	90
10) bis(2-Chloroethyl)ether	5.22	93	181281	655.591 ug/L	99
11) 2-Chlorophenol	5.23	128	251411	972.664 ug/L	95
12) Decane	5.30	57	45440	159.926 ul/L	95
13) 1,3-Dichlorobenzene	5.37	146	112447	345.333 ug/L	98
14) 1,4-Dichlorobenzene	5.44	146	132981	393.137 ug/L	98
15) Benzyl alcohol	5.58	79	170559	991.979 ug/L	98
16) 1,2-Dichlorobenzene	5.57	146	154649	455.935 ug/L	97
17) 2-Methylphenol	5.69	108	212716	1013.726 ug/L	99
18) bis(2-chloroisopropyl)ethe	5.71	45	200914	670.853 ug/L	98
19) 3-&4-Methylphenol	5.82	108	226000	984.019 ug/L	94
21) Acetophenone	5.81	105	296685	848.809 ul/L	88
22) Hexachloroethane	5.87	201	45503	350.705 ug/L	94
25) Nitrobenzene	5.95	77	193938	881.711 ug/L	98
26) Isophorone	6.17	82	304287	666.043 ug/L	94
27) 2-Nitrophenol	6.22	139	144312	1141.008 ug/L	96
28) 2,4-Dimethylphenol	6.28	107	207239	1026.050 ug/L	93
29) bis(2-Chloroethoxy)methane	6.36	93	266903	940.025 ug/L	94
30) Benzoic Acid	6.33	105	33875	620.109 ug/L	94
31) 2,4-Dichlorophenol	6.43	162	204813	1102.976 ug/L	95
32) 1,2,4-Trichlorobenzene	6.50	180	214046	755.403 ug/L	98
33) Naphthalene	6.56	128	689135	806.053 ug/L	98
34) 4-Chloroaniline	6.63	127	138193	828.226 ug/L	98

(#) = qualifier out of range (m) = manual integration

008946

Quantitation Report (Not Reviewed)

Data File : H:\DATA\030105_A\AT03692.D
Acq On : 1 Mar 2005 9:41 am
Sample : ss1348 bsd #20 &1
Misc :
MS Integration Params: Rteint.p
Quant Time: Mar 01 10:56:30 2005

Vial: 6
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: 8270_022505.RES

Quant Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Feb 28 14:16:48 2005
Response via : Initial Calibration
DataAcq Meth : 8270

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
35)	Hexachlorobutadiene	6.67	225	112754	660.846	ug/L	99
36)	4-Chloro-3-methylphenol	7.03	107	181073	923.559	ug/L	99
37)	2-Methylnaphthalene	7.14	141	403263	890.247	ug/L	96
38)	1-Methylnaphthalene	7.22	141	418890	887.555	ul/l	99
40)	Hexachlorocyclopentadiene	7.28	237	75768	484.759	ug/L	98
41)	2,3-Dichloroaniline	7.38	161	243829	980.306	ul/L	97
42)	2,4,6-Trichlorophenol	7.38	196	151427	1120.145	ug/L	94
43)	2,4,5-Trichlorophenol	7.41	196	156146	928.584	ug/L	90
45)	2-Chloronaphthalene	7.54	162	471024	936.440	ug/L	99
46)	Biphenyl	7.53	154	613733	950.447	ul/L	100
47)	2-Nitroaniline	7.64	138	150937	1029.335	ug/L	89
48)	Dimethylphthalate	7.80	163	508784	940.569	ug/L	100
49)	Acenaphthylene	7.89	152	698330	879.043	ug/L	100
50)	2,6-Dinitrotoluene	7.84	165	129668	951.297	ug/L	91
51)	3-Nitroaniline	7.98	138	56401	2909.938	ug/L	89
52)	Acenaphthene	8.03	153	472032	902.995	ug/L	94
53)	2,4-Dinitrophenol	8.06	184	136949	2484.027	ug/L	94
54)	4-Nitrophenol	8.13	139	402689	5019.822	ug/L	98
55)	Dibenzofuran	8.17	168	664310	948.599	ug/L	99
56)	2,4-Dinitrotoluene	8.17	165	156870	922.007	ug/L	82
57)	2,3,4,6-Tetrachlorophenol	8.24	232	123026	879.188	ug/L	94
58)	2,3,5,6-Tetrachlorophenol	8.28	232	127613	947.277	ul/l	98
59)	Diethylphthalate	8.38	149	519480	908.026	ug/L	98
60)	Fluorene	8.46	166	519984	964.821	ug/L	96
61)	4-Chlorophenylphenylether	8.47	204	268887	947.926	ug/L	94
62)	4-Nitroaniline	8.48	138	63855	828.840	ug/L	92
64)	4,6-Dinitro-2-methylphenol	8.51	198	455507	4314.660	ug/L	95
65)	n-Nitrosodiphenylamine	8.58	169	410604	1082.576	ug/L	96
67)	Azobenzene	8.61	77	394473	951.963	ug/L	99
68)	4-Bromophenylphenylether	8.90	248	166708	968.821	ug/L	98
69)	Hexachlorobenzene	8.94	284	190510	853.623	ug/L	97
70)	Pentachlorophenol	9.13	266	59114	642.654	ug/L	99
71)	Phenanthrene	9.33	178	740661	890.971	ug/L	100
72)	Anthracene	9.38	178	715199	948.589	ug/L	100
73)	Octadecane	9.24	57	255761	1060.180	ul/L	98
74)	Carbazole	9.54	167	465515	912.045	ug/L	97
75)	Di-n-butylphthalate	9.93	149	2238268	2504.823	ug/L	100
76)	Fluoranthene	10.54	202	792809	934.425	ug/L	100
77)	Pyrene	10.78	202	812804	923.614	ug/L	97
78)	Benzidine	10.72	184	4548	37.692	ul/l	70
81)	Butylbenzylphthalate	11.58	149	364740	1005.535	ug/L	99

(#) = qualifier out of range (m) = manual integration

008947

Quantitation Report (Not Reviewed)

Data File : H:\DATA\030105_A\AT03692.D
Acq On : 1 Mar 2005 9:41 am
Sample : ss1348 bsd #20 &1
Misc :
MS Integration Params: Rteint.p
Quant Time: Mar 01 10:56:30 2005

Vial: 6
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: 8270_022505.RES

Quant Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Feb 28 14:16:48 2005
Response via : Initial Calibration
DataAcq Meth : 8270

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
82)	Benzo(a)anthracene	12.15	228	747613	964.706	ug/L	96
83)	3,3'-Dichlorobenzidine	12.15	252	403226	1835.895	ug/L	99
84)	Chrysene	12.19	228	700825	867.616	ug/L	98
85)	bis(2-Ethylhexyl)phthalate	12.28	149	576056	1150.917	ug/L	97
87)	Di-n-octylphthalate	12.91	149	29383	37.516	ug/L	96
88)	Benzo(b)fluoranthene	13.34	252	788204	901.500	ul/l	98
89)	benzo(k)fluoranthene	13.37	252	746613	962.430	ul/l	98
90)	Benzofluoranthenes	13.36	252	1540776	1960.753	ug/L	89
91)	Benzo(a)pyrene	13.71	252	667032	990.049	ug/L	95
92)	Indeno(1,2,3-cd)pyrene	15.29	276	685920	934.720	ug/L	97
93)	Dibenz(a,h)anthracene	15.34	278	702854	897.393	ug/L	99
94)	Benzo(g,h,i)perylene	15.66	276	738901	981.952	ug/L	98

(#) = qualifier out of range (m) = manual integration

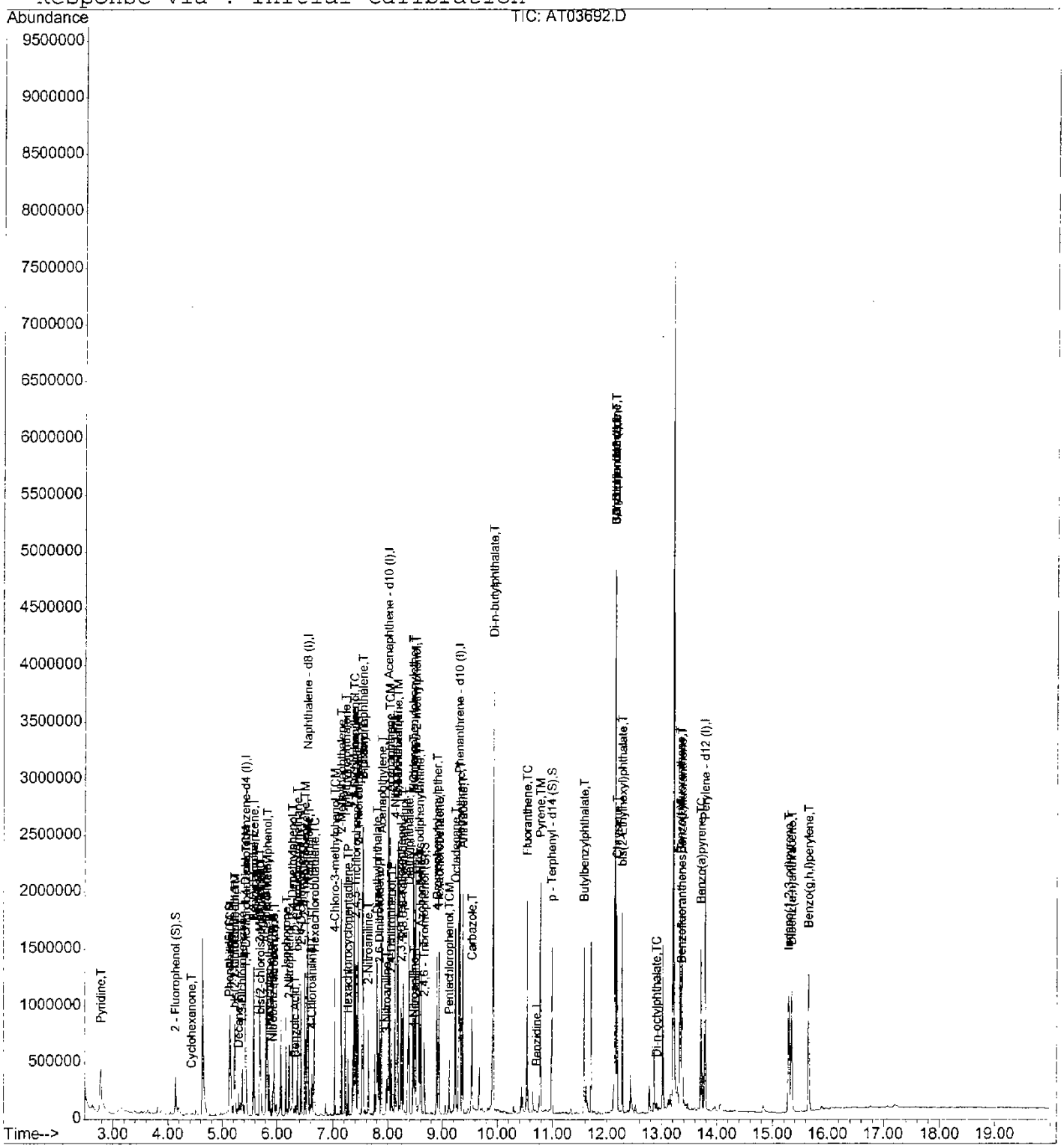
009948

Quantitation Report (Not Reviewed)

Data File : H:\DATA\030105_A\AT03692.D
Acq On : 1 Mar 2005 9:41 am
Sample : ss1348 bsd #20 &1
Misc :
MS Integration Params: Rteint.p
Quant Time: Mar 1 10:58 2005

Vial: 6
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: 8270_022505.

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Feb 28 14:16:48 2005
Response via : Initial Calibration



009949

MATIX SPIKE / MATRIX SPIKE DUPLICATE

Quantitation Report (Not Reviewed)

Data File : H:\DATA\022505_A\AT03675.D
Acq On : 25 Feb 2005 2:32 pm
Sample : 126377-6 &1 ms
Misc :
MS Integration Params: Rteint.p
Quant Time: Feb 28 06:56:37 2005

Vial: 16
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: 8270_022505.RES

Quant Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Fri Feb 25 12:17:02 2005
Response via : Initial Calibration
DataAcq Meth : 8270

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4 (I)	5.56	152	278045	1000.000 ug/L	0.00
23) Naphthalene - d8 (I)	6.66	136	1119435	1000.000 ug/L	0.00
39) Acenaphthene - d10 (I)	8.13	162	595748	1000.000 ug/L	0.00
63) Phenanthrene - d10 (I)	9.45	188	1080746	1000.000 ug/L	0.00
80) Chrysene - d12 (I)	12.33	240	1135777	1000.000 ul/l	0.00
86) Perylene - d12 (I)	14.00	264	1125444	1000.000 ug/L	0.00
System Monitoring Compounds					
4) 2 - Fluorophenol (S)	4.29	112	68798	295.52 ug/L	-0.03
8) Phenol - d5 (S)	5.25	99	147100	561.39 ug/L	0.00
24) Nitrobenzene - d5 (S)	6.05	82	56884	247.83 ug/L	-0.01
44) 2 - Fluorobiphenyl (S)	7.58	172	232983	362.45 ug/L	0.00
66) 2,4,6 - Tribromophenol (S)	8.80	330	77802	739.67 ug/L	0.00
79) p - Terphenyl - d14 (S)	11.15	244	503216	769.05 ug/L	0.00
Target Compounds					Qvalue
2) N-Nitrosodimethylamine	2.65	74	216545	1618.863 ug/L	92
3) Pyridine	2.66	79	293151	1217.856 ug/L	93
5) Cyclohexanone	4.56	55	2366	12.972 ul/L	98
6) Benzaldehyde	5.17	105	37840	179.747 ul/L	94
7) Aniline	5.28	93	22121	101.575 ug/L	79
9) Phenol	5.26	94	198473	710.390 ug/L	79
10) bis(2-Chloroethyl)ether	5.34	93	44834	162.873 ug/L	99
11) 2-Chlorophenol	5.36	128	73930	287.316 ug/L	99
12) Decane	5.43	57	11083	39.183 ul/L	91
13) 1,3-Dichlorobenzene	5.50	146	12496	38.550 ug/L	94
14) 1,4-Dichlorobenzene	5.57	146	12642	37.543 ug/L	89
15) Benzyl alcohol	5.70	79	130949	770.316 ug/L	99
16) 1,2-Dichlorobenzene	5.70	146	17376	51.460 ug/L	92
17) 2-Methylphenol	5.81	108	101167	484.306 ug/L	99
18) bis(2-chloroisopropyl)ethe	5.83	45	41505	139.212 ug/L	96
19) 3-&4-Methylphenol	5.95	108	135487	602.981 ug/L	97
20) n-Nitroso-di-n-propylamine	5.94	70	104388	674.701 ug/L	97
21) Acetophenone	5.93	105	148696	430.110 ul/L	92
22) Hexachloroethane	6.00	201	4637	35.900 ug/L	95
25) Nitrobenzene	6.07	77	57314	257.848 ug/L	98
26) Isophorone	6.28	82	275470	596.668 ug/L	98
27) 2-Nitrophenol	6.35	139	62256	487.087 ug/L	91
28) 2,4-Dimethylphenol	6.40	107	62697	326.381 ug/L	97
29) bis(2-Chloroethoxy)methane	6.48	93	175153	610.440 ug/L	100
30) Benzoic Acid	6.47	105	189521	1830.776 ug/L	96
31) 2,4-Dichlorophenol	6.55	162	139395	742.840 ug/L	96

(#) = qualifier out of range (m) = manual integration

00951

Quantitation Report (Not Reviewed)

Data File : H:\DATA\022505_A\AT03675.D
Acq On : 25 Feb 2005 2:32 pm
Sample : 126377-6 &1 ms
Misc :
MS Integration Params: Rteint.p
Quant Time: Feb 28 06:56:37 2005

Vial: 16
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: 8270_022505.RES

Quant Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Fri Feb 25 12:17:02 2005
Response via : Initial Calibration
DataAcq Meth : 8270

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
32)	1,2,4-Trichlorobenzene	6.62	180	33313	116.339	ug/L	98
33)	Naphthalene	6.68	128	147646	170.892	ug/L	99
34)	4-Chloroaniline	6.75	127	39132	232.078	ug/L	93
35)	Hexachlorobutadiene	6.79	225	10877	63.084	ug/L	92
36)	4-Chloro-3-methylphenol	7.15	107	157629	800.682	ug/L	99
37)	2-Methylnaphthalene	7.27	141	202544	442.467	ug/L	98
38)	1-Methylnaphthalene	7.35	141	228748	479.614	ul/l	99
40)	Hexachlorocyclopentadiene	7.39	237	15204	117.137	ug/L	96
41)	2,3-Dichloroaniline	7.50	161	188128	731.323	ul/L	99
42)	2,4,6-Trichlorophenol	7.50	196	135267	967.480	ug/L	93
43)	2,4,5-Trichlorophenol	7.53	196	139274	805.361	ug/L	95
45)	2-Chloronaphthalene	7.67	162	317550	610.420	ug/L	97
46)	Biphenyl	7.66	154	434390	650.441	ul/L	99
47)	2-Nitroaniline	7.76	138	131732	871.968	ug/L	88
48)	Dimethylphthalate	7.92	163	490077	875.994	ug/L	100
49)	Acenaphthylene	8.01	152	593089	721.853	ug/L	99
50)	2,6-Dinitrotoluene	7.97	165	123419	877.538	ug/L	91
51)	3-Nitroaniline	8.11	138	16212	433.382	ug/L	90
52)	Acenaphthene	8.15	153	405690	750.391	ug/L	96
54)	4-Nitrophenol	8.25	139	266770	3530.198	ug/L	98
55)	Dibenzofuran	8.30	168	573252	791.475	ug/L	92
56)	2,4-Dinitrotoluene	8.29	165	144892	826.754	ug/L	88
57)	2,3,4,6-Tetrachlorophenol	8.37	232	118281	820.886	ug/L	99
58)	2,3,5,6-Tetrachlorophenol	8.40	232	122233	877.304	ul/l	98
59)	Diethylphthalate	8.51	149	494457	835.675	ug/L	99
60)	Fluorene	8.59	166	478143	857.816	ug/L	96
61)	4-Chlorophenylphenylether	8.60	204	243712	830.732	ug/L	95
62)	4-Nitroaniline	8.62	138	25244	316.821	ug/L	94
64)	4,6-Dinitro-2-methylphenol	8.64	198	377206	3454.838	ug/L	95
65)	n-Nitrosodiphenylamine	8.70	169	359139	894.909	ug/L	99
67)	Azobenzene	8.74	77	360202	820.103	ug/L	95
68)	4-Bromophenylphenylether	9.03	248	154314	846.082	ug/L	99
69)	Hexachlorobenzene	9.08	284	185287	783.273	ug/L	93
70)	Pentachlorophenol	9.27	266	72363	742.204	ug/L	97
71)	Phenanthrene	9.47	178	710051	805.849	ug/L	98
72)	Anthracene	9.52	178	666952	834.575	ug/L	99
73)	Octadecane	9.38	57	251754	984.558	ul/L	99
74)	Carbazole	9.69	167	513134	948.491	ug/L	98
75)	Di-n-butylphthalate	10.08	149	3317933	3503.099	ug/L	100
76)	Fluoranthene	10.70	202	775597	862.446	ug/L	98
77)	Pyrene	10.95	202	806762	864.908	ug/L	99

(#) = qualifier out of range (m) = manual integration

00952

Quantitation Report (Not Reviewed)

Data File : H:\DATA\022505_A\AT03675.D
Acq On : 25 Feb 2005 2:32 pm
Sample : 126377-6 &1 ms
Misc :
MS Integration Params: Rteint.p
Quant Time: Feb 28 06:56:37 2005

Vial: 16
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: 8270_022505.RES

Quant Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Fri Feb 25 12:17:02 2005
Response via : Initial Calibration
DataAcq Meth : 8270

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
78)	Benzidine	10.94	184	3298	25.787	ul/l	91
81)	Butylbenzylphthalate	11.74	149	373778	970.495	ug/L	95
82)	Benzo(a)anthracene	12.32	228	729277	883.893	ug/L	99
83)	3,3'-Dichlorobenzidine	12.33	252	68568	316.244	ug/L	98
84)	Chrysene	12.36	228	701434	815.631	ug/L	96
85)	bis(2-Ethylhexyl)phthalate	12.44	149	694056	1302.455	ug/L	98
87)	Di-n-octylphthalate	13.18	149	890280	1020.824	ug/L	100
88)	Benzo(b)fluoranthene	13.53	252	753556	775.802	ul/l	98
89)	benzo(k)fluoranthene	13.56	252	772272	894.028	ul/l	98
90)	Benzofluoranthenes	13.55	252	1539777	1759.739	ug/L	98
91)	Benzo(a)pyrene	13.93	252	662747	883.415	ug/L	95
92)	Indeno(1,2,3-cd)pyrene	15.57	276	698145	856.059	ug/L	99
93)	Dibenz(a,h)anthracene	15.62	278	716286	822.389	ug/L	98
94)	Benzo(g,h,i)perylene	15.91	276	766655	914.979	ug/L	96

(#) = qualifier out of range (m) = manual integration

00953

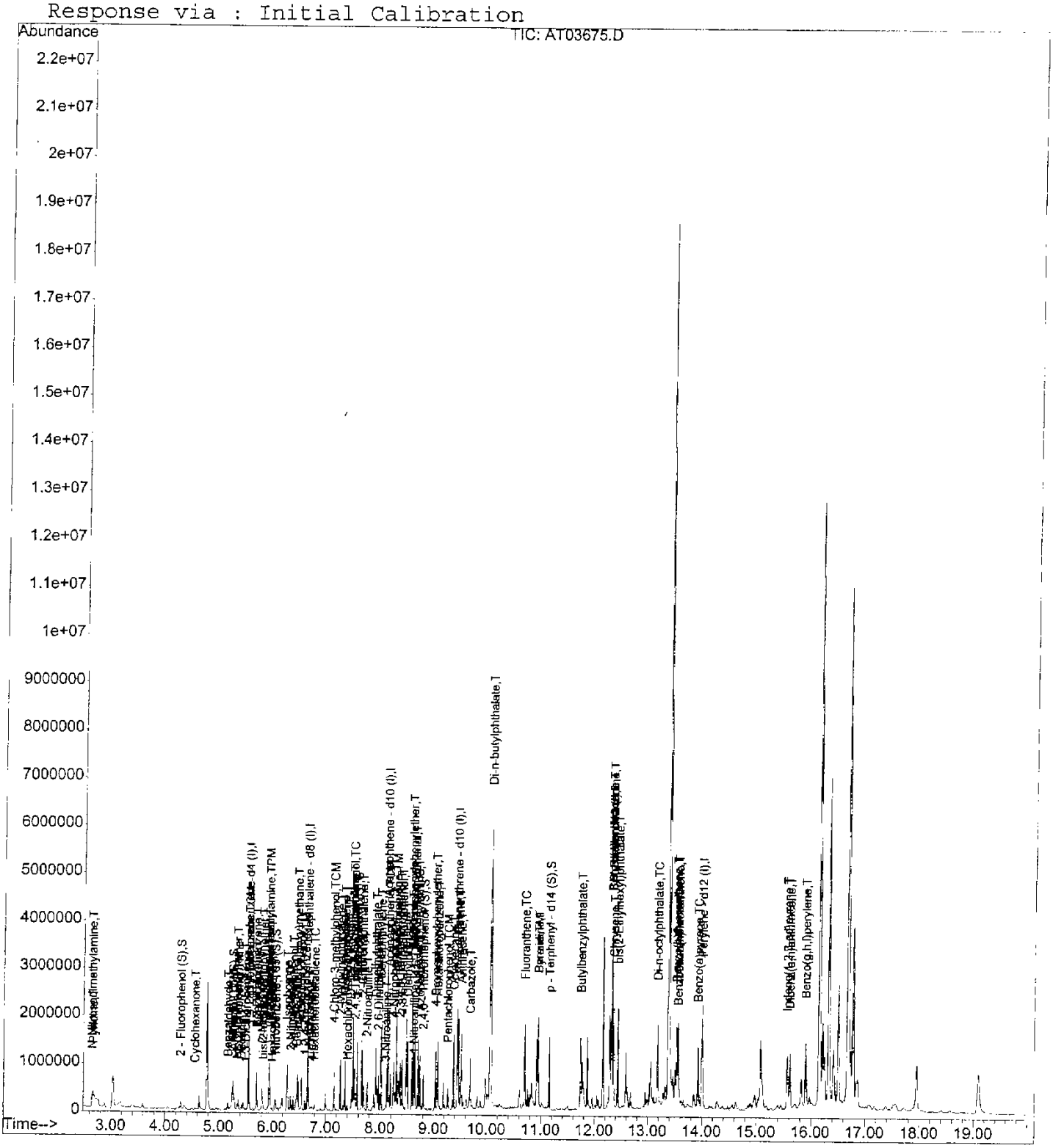
Quantitation Report (Not Reviewed)

Data File : H:\DATA\022505_A\AT03675.D
Acq On : 25 Feb 2005 2:32 pm
Sample : 126377-6 &1 ms
Misc :
MS Integration Params: Rteint.p
Quant Time: Feb 28 6:58 2005

Vial: 16
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00

Quant Results File: 8270_022505.

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Fri Feb 25 12:17:02 2005
Response via : Initial Calibration



009954

Data File : H:\DATA\022505_A\AT03676.D Vial: 17
Acq On : 25 Feb 2005 2:59 pm Operator: RBF
Sample : 126377-6 &1 msd Inst : hp6890gcm
Misc : Multiplr: 1.00
MS Integration Params: Rteint.p
Quant Time: Feb 28 06:56:51 2005 Quant Results File: 8270_022505.RES

Quant Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Fri Feb 25 12:17:02 2005
Response via : Initial Calibration
DataAcq Meth : 8270

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4 (I)	5.55	152	275030	1000.000	ug/L	0.00
23) Naphthalene - d8 (I)	6.67	136	1087337	1000.000	ug/L	0.00
39) Acenaphthene - d10 (I)	8.13	162	581531	1000.000	ug/L	0.00
63) Phenanthrene - d10 (I)	9.45	188	1055767	1000.000	ug/L	0.00
80) Chrysene - d12 (I)	12.33	240	1147618	1000.000	ul/l	0.00
86) Perylene - d12 (I)	14.00	264	1123443	1000.000	ug/L	0.00
System Monitoring Compounds						
4) 2 - Fluorophenol (S)	4.29	112	51051	221.69	ug/L	-0.04
8) Phenol - d5 (S)	5.25	99	119573	461.34	ug/L	-0.01
24) Nitrobenzene - d5 (S)	6.05	82	35707	160.16	ug/L	-0.01
44) 2 - Fluorobiphenyl (S)	7.58	172	204639	326.14	ug/L	0.00
66) 2,4,6 - Tribromophenol (S)	8.80	330	75954	739.21	ug/L	0.00
79) p - Terphenyl - d14 (S)	11.15	244	518224	810.72	ug/L	0.00
Target Compounds						Qvalue
3) Pyridine	2.66	79	226387	990.201	ug/L	92
5) Cyclohexanone	4.56	55	2509	13.906	ul/L	74
6) Benzaldehyde	5.17	105	27847	133.728	ul/L	93
7) Aniline	5.28	93	38579	161.353	ug/L	75
9) Phenol	5.26	94	156559	566.511	ug/L	77
10) bis(2-Chloroethyl)ether	5.35	93	29640	108.856	ug/L	98
11) 2-Chlorophenol	5.36	128	53850	211.573	ug/L	91
12) Decane	5.42	57	10212	36.500	ul/L	95
13) 1,3-Dichlorobenzene	5.50	146	8556	26.684	ug/L	94
14) 1,4-Dichlorobenzene	5.57	146	10211	30.656	ug/L	91
15) Benzyl alcohol	5.70	79	111665	667.251	ug/L	95
16) 1,2-Dichlorobenzene	5.70	146	12551	37.578	ug/L	93
17) 2-Methylphenol	5.81	108	84539	409.141	ug/L	97
18) bis(2-chloroisopropyl)ethe	5.82	45	31280	106.067	ug/L	92
19) 3-&4-Methylphenol	5.95	108	117291	530.984	ug/L	99
20) n-Nitroso-di-n-propylamine	5.94	70	92420	606.494	ug/L	99
21) Acetophenone	5.93	105	118847	348.609	ul/L	91
22) Hexachloroethane	5.99	201	3859	30.205	ug/L	99
25) Nitrobenzene	6.07	77	38024	176.115	ug/L	93
26) Isophorone	6.28	82	259859	579.470	ug/L	100
27) 2-Nitrophenol	6.35	139	51717	416.575	ug/L	94
28) 2,4-Dimethylphenol	6.40	107	49131	268.608	ug/L	97
29) bis(2-Chloroethoxy)methane	6.48	93	141421	507.427	ug/L	92
30) Benzoic Acid	6.45	105	102676	1187.664	ug/L	96
31) 2,4-Dichlorophenol	6.56	162	116280	637.952	ug/L	97
32) 1,2,4-Trichlorobenzene	6.62	180	24502	88.094	ug/L	99

(#) = qualifier out of range (m) = manual integration

009055

Data File : H:\DATA\022505_A\AT03676.D
Acq On : 25 Feb 2005 2:59 pm
Sample : 126377-6 &1 msd
Misc :
MS Integration Params: Rteint.p
Quant Time: Feb 28 06:56:51 2005

Vial: 17
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: 8270_022505.RES

Quant Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Fri Feb 25 12:17:02 2005
Response via : Initial Calibration
DataAcq Meth : 8270

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
33)	Naphthalene	6.68	128	105034	125.159	ug/L	97
34)	4-Chloroaniline	6.74	127	60852	371.545	ug/L	98
35)	Hexachlorobutadiene	6.80	225	9602	57.333	ug/L	94
36)	4-Chloro-3-methylphenol	7.15	107	149856	784.451	ug/L	97
37)	2-Methylnaphthalene	7.27	141	156623	352.251	ug/L	97
38)	1-Methylnaphthalene	7.35	141	178602	385.528	ul/l	98
40)	Hexachlorocyclopentadiene	7.40	237	8128	77.107	ug/L	95
41)	2,3-Dichloroaniline	7.50	161	173353	690.362	ul/L	98
42)	2,4,6-Trichlorophenol	7.50	196	125233	917.611	ug/L	89
43)	2,4,5-Trichlorophenol	7.53	196	132503	785.774	ug/L	93
45)	2-Chloronaphthalene	7.67	162	252438	497.120	ug/L	98
46)	Biphenyl	7.66	154	354126	543.220	ul/L	100
47)	2-Nitroaniline	7.76	138	121599	825.737	ug/L	86
48)	Dimethylphthalate	7.92	163	465189	851.836	ug/L	100
49)	Acenaphthylene	8.01	152	520856	649.436	ug/L	99
50)	2,6-Dinitrotoluene	7.97	165	116688	850.776	ug/L	97
51)	3-Nitroaniline	8.10	138	28205	1179.084	ug/L	81
52)	Acenaphthene	8.15	153	351913	666.835	ug/L	91
53)	2,4-Dinitrophenol	8.19	184	68722	1438.571	ug/L	93
54)	4-Nitrophenol	8.25	139	233938	3260.490	ug/L	95
55)	Dibenzofuran	8.30	168	510361	721.869	ug/L	99
56)	2,4-Dinitrotoluene	8.29	165	138623	810.942	ug/L	92
57)	2,3,4,6-Tetrachlorophenol	8.37	232	105037	751.396	ug/L	95
58)	2,3,5,6-Tetrachlorophenol	8.40	232	117293	862.429	ul/l	99
59)	Diethylphthalate	8.51	149	501802	868.823	ug/L	99
60)	Fluorene	8.59	166	437994	804.997	ug/L	96
61)	4-Chlorophenylphenylether	8.60	204	221358	772.982	ug/L	95
62)	4-Nitroaniline	8.62	138	51964	668.109	ug/L	96
64)	4,6-Dinitro-2-methylphenol	8.64	198	296983	2858.870	ug/L	94
65)	n-Nitrosodiphenylamine	8.70	169	335660	856.581	ug/L	99
67)	Azobenzene	8.74	77	346359	807.243	ug/L	95
68)	4-Bromophenylphenylether	9.03	248	150357	843.891	ug/L	99
69)	Hexachlorobenzene	9.08	284	180886	782.760	ug/L	97
70)	Pentachlorophenol	9.27	266	60251	632.596	ug/L	92
71)	Phenanthrene	9.47	178	695274	807.748	ug/L	98
72)	Anthracene	9.52	178	655591	839.768	ug/L	99
73)	Octadecane	9.38	57	251719	1007.712	ul/L	99
74)	Carbazole	9.69	167	508852	962.830	ug/L	99
75)	Di-n-butylphthalate	10.08	149	4671167	5048.539	ug/L	100
76)	Fluoranthene	10.70	202	802054	912.966	ug/L	100
77)	Pyrene	10.95	202	836874	918.417	ug/L	99

(#) = qualifier out of range (m) = manual integration

00956

Quantitation Report (QT Reviewed)

Data File : H:\DATA\022505_A\AT03676.D
Acq On : 25 Feb 2005 2:59 pm
Sample : 126377-6 &1 msd
Misc :
MS Integration Params: Rteint.p
Quant Time: Feb 28 06:56:51 2005

Vial: 17
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: 8270_022505.RES

Quant Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Fri Feb 25 12:17:02 2005
Response via : Initial Calibration
DataAcq Meth : 8270

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
78)	Benzidine	10.93	184	998	7.988	ul/l	18
81)	Butylbenzylphthalate	11.74	149	398963	1021.247	ug/L	98
82)	Benzo(a)anthracene	12.32	228	769399	922.900	ug/L	98
83)	3,3'-Dichlorobenzidine	12.32	252	96165	428.322	ug/L	99
84)	Chrysene	12.36	228	706760	813.345	ug/L	94
85)	bis(2-Ethylhexyl)phthalate	12.44	149	725912	1348.180	ug/L	99
87)	Di-n-octylphthalate	13.18	149	959401	1102.040	ug/L	99
88)	Benzo(b)fluoranthene	13.53	252	789187	813.311	ul/l	99
89)	benzo(k)fluoranthene	13.56	252	798295	925.800	ul/l	98
90)	Benzofluoranthenes	13.55	252	1596230	1827.505	ug/L	95
91)	Benzo(a)pyrene	13.93	252	689575	920.812	ug/L	95
92)	Indeno(1,2,3-cd)pyrene	15.57	276	695923	854.882	ug/L	98
93)	Dibenz(a,h)anthracene	15.61	278	719378	827.333	ug/L	95
94)	Benzo(g,h,i)perylene	15.91	276	775695	927.417	ug/L	96

(#) = qualifier out of range (m) = manual integration

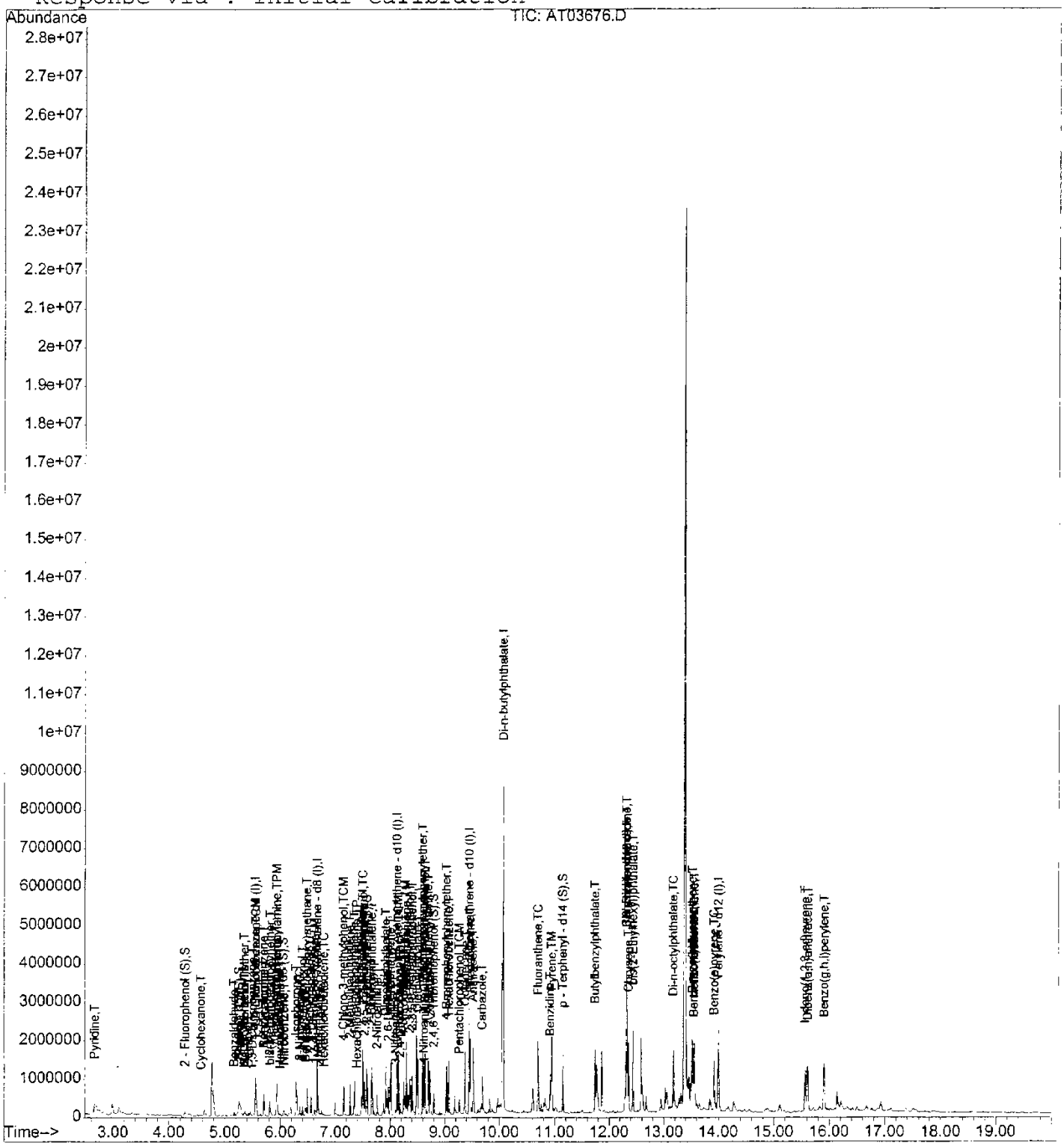
00957

Quantitation Report (QT Reviewed)

Data File : H:\DATA\022505_A\AT03676.D
Acq On : 25 Feb 2005 2:59 pm
Sample : 126377-6 &1 msd
Misc :
MS Integration Params: Rteint.p
Quant Time: Feb 28 6:58 2005

Vial: 17
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: 8270_022505.

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Fri Feb 25 12:17:02 2005
Response via : Initial Calibration



85600

Quantitation Report (Not Reviewed)

Data File : H:\DATA\030105_A\AT03694.D
Acq On : 1 Mar 2005 10:36 am
Sample : 126377-6 &1 ms
Misc :
MS Integration Params: Rteint.p
Quant Time: Mar 02 06:27:52 2005

Vial: 8
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: 8270_022505.RES

Quant Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Feb 28 14:16:48 2005
Response via : Initial Calibration
DataAcq Meth : 8270

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4 (I)	5.43	152	275157	1000.000	ug/L	0.00
23) Naphthalene - d8 (I)	6.54	136	1090607	1000.000	ug/L	0.00
39) Acenaphthene - d10 (I)	8.00	162	570994	1000.000	ug/L	0.00
63) Phenanthrene - d10 (I)	9.30	188	998371	1000.000	ug/L	0.00
80) Chrysene - d12 (I)	12.16	240	1014409	1000.000	ul/l	0.00
86) Perylene - d12 (I)	13.78	264	994790	1000.000	ug/L	0.00
System Monitoring Compounds						
4) 2 - Fluorophenol (S)	4.14	112	144845	628.70	ug/L	0.00
8) Phenol - d5 (S)	5.13	99	212590	819.84	ug/L	0.00
24) Nitrobenzene - d5 (S)	5.93	82	99380	444.42	ug/L	0.00
44) 2 - Fluorobiphenyl (S)	7.45	172	257267	417.58	ug/L	0.00
66) 2,4,6 - Tribromophenol (S)	8.67	330	78020	800.42	ug/L	0.00
79) p - Terphenyl - d14 (S)	10.99	244	500239	827.57	ug/L	0.00
Target Compounds						Qvalue
5) Cyclohexanone	4.43	55	1749	9.689	ul/L	93
6) Benzaldehyde	5.03	105	17177	82.450	ul/L	81
7) Aniline	5.15	93	93396	357.439	ug/L	96
9) Phenol	5.14	94	263948	954.659	ug/L	80
10) bis(2-Chloroethyl)ether	5.22	93	108022	396.541	ug/L	99
11) 2-Chlorophenol	5.24	128	161705	635.034	ug/L	100
12) Decane	5.23	57	3225	11.521	ul/L	87
13) 1,3-Dichlorobenzene	5.37	146	16766	52.265	ug/L	92
14) 1,4-Dichlorobenzene	5.44	146	18027	54.097	ug/L	97
15) Benzyl alcohol	5.58	79	149860	887.214	ug/L	98
16) 1,2-Dichlorobenzene	5.57	146	24776	74.145	ug/L	93
17) 2-Methylphenol	5.69	108	160735	777.545	ug/L	98
18) bis(2-chloroisopropyl)ethe	5.71	45	72882	247.020	ug/L	98
19) 3-&4-Methylphenol	5.83	108	184631	820.469	ug/L	98
20) n-Nitroso-di-n-propylamine	5.82	70	92315	605.565	ug/L	94
21) Acetophenone	5.81	105	195204	568.741	ul/L	90
22) Hexachloroethane	5.87	201	3495	27.343	ug/L	91
25) Nitrobenzene	5.95	77	101685	469.559	ug/L	95
26) Isophorone	6.17	82	251108	558.277	ug/L	95
27) 2-Nitrophenol	6.22	139	104607	840.073	ug/L	97
28) 2,4-Dimethylphenol	6.28	107	129557	661.527	ug/L	93
29) bis(2-Chloroethoxy)methane	6.36	93	200557	717.453	ug/L	100
30) Benzoic Acid	6.35	105	167249	1695.713	ug/L	97
31) 2,4-Dichlorophenol	6.43	162	166210	909.150	ug/L	91
32) 1,2,4-Trichlorobenzene	6.50	180	46431	166.437	ug/L	94
33) Naphthalene	6.56	128	192318	228.481	ug/L	98

(#) = qualifier out of range (m) = manual integration

009659

Quantitation Report (Not Reviewed)

Data File : H:\DATA\030105_A\AT03694.D
Acq On : 1 Mar 2005 10:36 am
Sample : 126377-6 &1 ms
Misc :
MS Integration Params: Rteint.p
Quant Time: Mar 02 06:27:52 2005

Vial: 8
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: 8270_022505.RES

Quant Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Feb 28 14:16:48 2005
Response via : Initial Calibration
DataAcq Meth : 8270

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
34)	4-Chloroaniline	6.63	127	81449	495.814	ug/L	98
35)	Hexachlorobutadiene	6.67	225	11519	68.573	ug/L	98
36)	4-Chloro-3-methylphenol	7.03	107	161326	839.264	ug/L	99
37)	2-Methylnaphthalene	7.14	141	177478	397.958	ug/L	98
38)	1-Methylnaphthalene	7.22	141	193480	416.391	ul/l	97
40)	Hexachlorocyclopentadiene	7.28	237	14739	118.150	ug/L	97
41)	2,3-Dichloroaniline	7.38	161	192306	779.973	ul/L	99
42)	2,4,6-Trichlorophenol	7.38	196	131780	983.401	ug/L	95
43)	2,4,5-Trichlorophenol	7.41	196	136510	822.853	ug/L	93
45)	2-Chloronaphthalene	7.54	162	262515	526.504	ug/L	97
46)	Biphenyl	7.53	154	367748	574.525	ul/L	100
47)	2-Nitroaniline	7.64	138	133218	918.852	ug/L	89
48)	Dimethylphthalate	7.80	163	471182	878.732	ug/L	99
49)	Acenaphthylene	7.89	152	491742	624.449	ug/L	99
50)	2,6-Dinitrotoluene	7.84	165	115086	854.464	ug/L	91
51)	3-Nitroaniline	7.98	138	46690	2344.427	ug/L	81
52)	Acenaphthene	8.03	153	329084	635.084	ug/L	99
53)	2,4-Dinitrophenol	8.06	184	231438	3860.853	ug/L	92
54)	4-Nitrophenol	8.13	139	359253	4605.336	ug/L	96
55)	Dibenzofuran	8.17	168	509317	733.687	ug/L	85
56)	2,4-Dinitrotoluene	8.17	165	140846	838.065	ug/L	83
57)	2,3,4,6-Tetrachlorophenol	8.24	232	114705	829.977	ug/L	94
58)	2,3,5,6-Tetrachlorophenol	8.28	232	121393	909.047	ul/l	99
59)	Diethylphthalate	8.38	149	493963	871.033	ug/L	99
60)	Fluorene	8.46	166	422312	790.498	ug/L	97
61)	4-Chlorophenylphenylether	8.47	204	216359	769.468	ug/L	95
62)	4-Nitroaniline	8.48	138	52379	685.873	ug/L	90
64)	4,6-Dinitro-2-methylphenol	8.51	198	412021	4015.096	ug/L	93
65)	n-Nitrosodiphenylamine	8.58	169	345856	932.537	ug/L	98
67)	Azobenzene	8.61	77	342645	844.498	ug/L	99
68)	4-Bromophenylphenylether	8.90	248	142367	844.983	ug/L	97
69)	Hexachlorobenzene	8.94	284	165730	758.405	ug/L	94
70)	Pentachlorophenol	9.13	266	73507	816.145	ug/L	99
71)	Phenanthrene	9.33	178	662552	813.984	ug/L	99
72)	Anthracene	9.38	178	649503	879.800	ug/L	99
73)	Octadecane	9.24	57	242683	1027.392	ul/L	99
74)	Carbazole	9.54	167	499535	999.540	ug/L	98
75)	Di-n-butylphthalate	9.93	149	3717730	4249.074	ug/L	100
76)	Fluoranthene	10.54	202	746654	898.766	ug/L	100
77)	Pyrene	10.78	202	761269	883.475	ug/L	97
81)	Butylbenzylphthalate	11.58	149	386427	1112.337	ug/L	97

(#) = qualifier out of range (m) = manual integration

009600

Quantitation Report (Not Reviewed)

Data File : H:\DATA\030105_A\AT03694.D
Acq On : 1 Mar 2005 10:36 am
Sample : 126377-6 &1 ms
Misc :
MS Integration Params: Rteint.p
Quant Time: Mar 02 06:27:52 2005

Vial: 8
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: 8270_022505.RES

Quant Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Feb 28 14:16:48 2005
Response via : Initial Calibration
DataAcq Meth : 8270

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
82)	Benzo(a)anthracene	12.15	228	715968	971.585	ug/L	97
83)	3,3'-Dichlorobenzidine	12.15	252	160602	784.903	ug/L	100
84)	Chrysene	12.19	228	666788	868.110	ug/L	99
85)	bis(2-Ethylhexyl)phthalate	12.28	149	589258	1238.094	ug/L	97
87)	Di-n-octylphthalate	13.03	149	808903	1049.333	ug/L	100
88)	Benzo(b)fluoranthene	13.34	252	744206	865.322	ul/l	99
89)	benzo(k)fluoranthene	13.37	252	709398	929.101	ul/l	99
90)	Benzofluoranthenes	13.36	252	1460170	1887.932	ug/L	97
91)	Benzo(a)pyrene	13.71	252	632990	954.566	ug/L	100
92)	Indeno(1,2,3-cd)pyrene	15.29	276	683557	946.174	ug/L	100
93)	Dibenz(a,h)anthracene	15.34	278	691637	897.215	ug/L	96
94)	Benzo(g,h,i)perylene	15.66	276	726244	980.587	ug/L	100

(#) = qualifier out of range (m) = manual integration

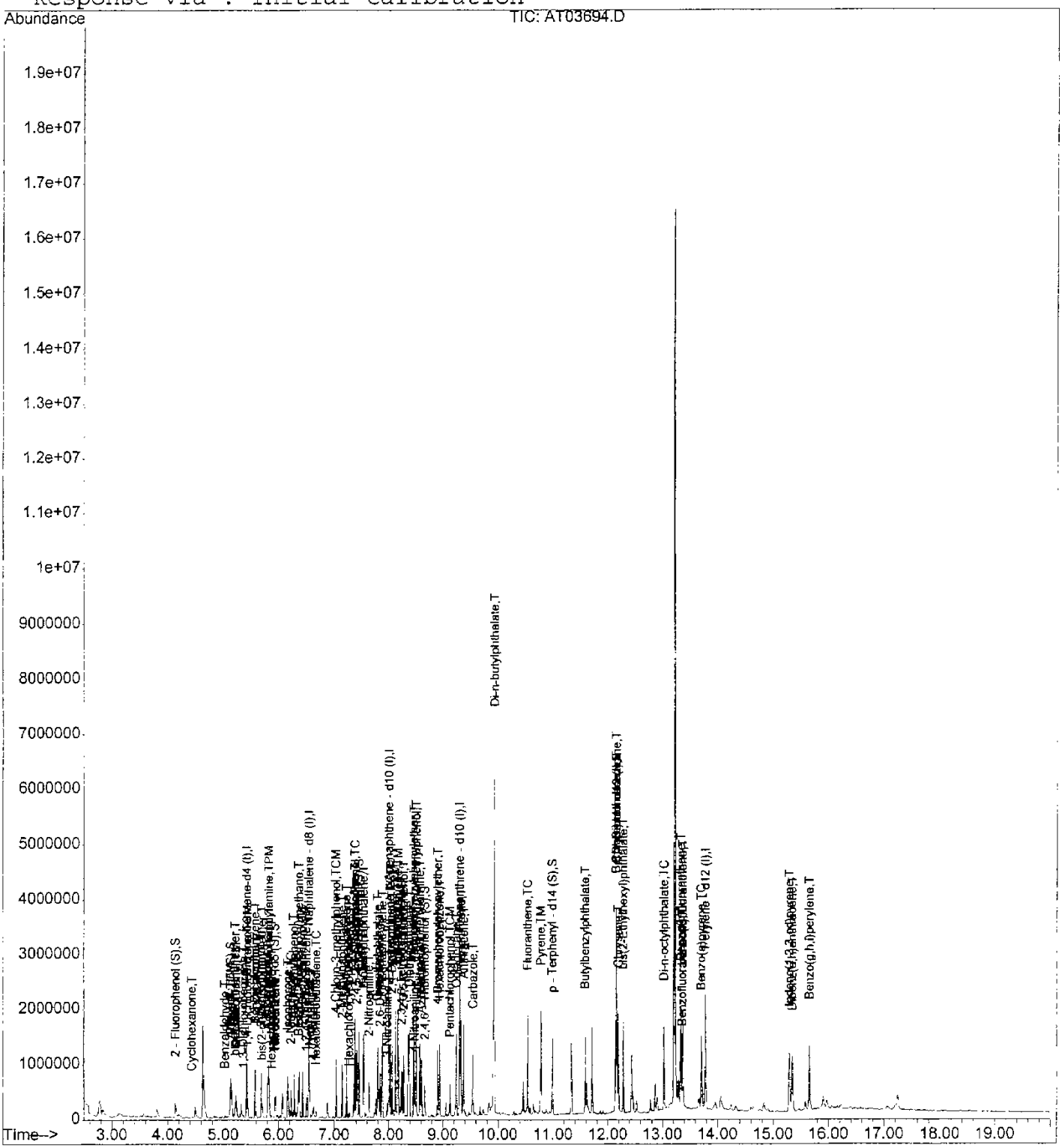
009961

Quantitation Report (Not Reviewed)

Data File : H:\DATA\030105_A\AT03694.D
Acq On : 1 Mar 2005 10:36 am
Sample : 126377-6 &1 ms
Misc :
MS Integration Params: Rteint.p
Quant Time: Mar 2 6:29 2005

Vial: 8
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: 8270_022505.

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Feb 28 14:16:48 2005
Response via : Initial Calibration



009962

Quantitation Report (Not Reviewed)

Data File : H:\DATA\030105_A\AT03695.D
Acq On : 1 Mar 2005 11:04 am
Sample : 126377-6 &1 msd
Misc :
MS Integration Params: Rteint.p
Quant Time: Mar 02 06:28:22 2005

Vial: 9
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: 8270_022505.RES

Quant Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Feb 28 14:16:48 2005
Response via : Initial Calibration
DataAcq Meth : 8270

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4 (I)	5.42	152	248559	1000.000	ug/L	-0.01
23) Naphthalene - d8 (I)	6.54	136	1008173	1000.000	ug/L	0.00
39) Acenaphthene - d10 (I)	8.00	162	553673	1000.000	ug/L	0.00
63) Phenanthrene - d10 (I)	9.30	188	1010196	1000.000	ug/L	0.00
80) Chrysene - d12 (I)	12.16	240	1069775	1000.000	ul/l	0.00
86) Perylene - d12 (I)	13.78	264	1021385	1000.000	ug/L	0.00
System Monitoring Compounds						
4) 2 - Fluorophenol (S)	4.11	112	118737	570.53	ug/L	-0.03
8) Phenol - d5 (S)	5.12	99	184137	786.10	ug/L	-0.01
24) Nitrobenzene - d5 (S)	5.93	82	68679	332.24	ug/L	0.00
44) 2 - Fluorobiphenyl (S)	7.45	172	177389	296.93	ug/L	0.00
66) 2,4,6 - Tribromophenol (S)	8.67	330	69176	705.03	ug/L	0.00
79) p - Terphenyl - d14 (S)	11.00	244	467026	763.58	ug/L	0.00
Target Compounds						Qvalue
6) Benzaldehyde	5.03	105	14959	79.487	ul/L	84
7) Aniline	5.15	93	91140	384.264	ug/L	99
9) Phenol	5.13	94	223739	895.824	ug/L	83
10) bis(2-Chloroethyl)ether	5.22	93	89663	364.368	ug/L	93
11) 2-Chlorophenol	5.23	128	132176	574.616	ug/L	96
13) 1,3-Dichlorobenzene	5.36	146	11290	38.961	ug/L	91
14) 1,4-Dichlorobenzene	5.43	146	13614	45.226	ug/L	92
15) Benzyl alcohol	5.58	79	130779	857.882	ug/L	97
16) 1,2-Dichlorobenzene	5.57	146	18721	62.020	ug/L	95
17) 2-Methylphenol	5.69	108	128883	690.179	ug/L	99
18) bis(2-chloroisopropyl)ethe	5.71	45	55166	206.983	ug/L	98
19) 3-&4-Methylphenol	5.82	108	152613	752.978	ug/L	96
22) Hexachloroethane	5.87	201	2527	21.885	ug/L	84
25) Nitrobenzene	5.95	77	79561	397.436	ug/L	98
26) Isophorone	6.16	82	201885	485.541	ug/L	100
27) 2-Nitrophenol	6.22	139	84423	733.416	ug/L	97
28) 2,4-Dimethylphenol	6.28	107	101237	563.431	ug/L	92
29) bis(2-Chloroethoxy)methane	6.36	93	162210	627.721	ug/L	97
30) Benzoic Acid	6.36	105	246266	2452.818	ug/L	98
31) 2,4-Dichlorophenol	6.43	162	135371	801.009	ug/L	95
32) 1,2,4-Trichlorobenzene	6.50	180	34745	134.731	ug/L	94
33) Naphthalene	6.56	128	142165	182.707	ug/L	99
34) 4-Chloroaniline	6.62	127	88028	579.678	ug/L	98
35) Hexachlorobutadiene	6.67	225	9516	61.281	ug/L	97
36) 4-Chloro-3-methylphenol	7.03	107	141953	800.633	ug/L	99
37) 2-Methylnaphthalene	7.14	141	119584	290.067	ug/L	99

(#) = qualifier out of range (m) = manual integration

009663

Quantitation Report (Not Reviewed)

Data File : H:\DATA\030105_A\AT03695.D
Acq On : 1 Mar 2005 11:04 am
Sample : 126377-6 &1 msd
Misc :
MS Integration Params: Rteint.p
Quant Time: Mar 02 06:28:22 2005

Vial: 9
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: 8270_022505.RES

Quant Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Feb 28 14:16:48 2005
Response via : Initial Calibration
DataAcq Meth : 8270

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
38)	1-Methylnaphthalene	7.22	141	128304	298.702	ul/l	94
40)	Hexachlorocyclopentadiene	7.27	237	7340	74.610	ug/L	96
41)	2,3-Dichloroaniline	7.38	161	159488	667.103	ul/L	97
42)	2,4,6-Trichlorophenol	7.38	196	117679	905.646	ug/L	97
43)	2,4,5-Trichlorophenol	7.41	196	121602	758.601	ug/L	95
45)	2-Chloronaphthalene	7.54	162	180771	373.899	ug/L	98
46)	Biphenyl	7.53	154	259863	418.679	ul/L	99
47)	2-Nitroaniline	7.64	138	121953	868.665	ug/L	89
48)	Dimethylphthalate	7.80	163	419587	806.990	ug/L	99
49)	Acenaphthylene	7.89	152	365586	478.771	ug/L	99
50)	2,6-Dinitrotoluene	7.84	165	99101	761.696	ug/L	90
51)	3-Nitroaniline	7.98	138	49675	2622.881	ug/L	97
52)	Acenaphthene	8.03	153	248832	495.232	ug/L	94
54)	4-Nitrophenol	8.13	139	324153	4346.201	ug/L	97
55)	Dibenzofuran	8.17	168	402124	597.394	ug/L	99
56)	2,4-Dinitrotoluene	8.17	165	128377	789.643	ug/L	92
57)	2,3,4,6-Tetrachlorophenol	8.24	232	107072	800.888	ug/L	93
58)	2,3,5,6-Tetrachlorophenol	8.28	232	113493	876.476	ul/l	98
59)	Diethylphthalate	8.38	149	445642	810.409	ug/L	99
60)	Fluorene	8.46	166	350132	675.892	ug/L	96
61)	4-Chlorophenylphenylether	8.47	204	172699	633.408	ug/L	93
62)	4-Nitroaniline	8.48	138	46409	626.710	ug/L	94
64)	4,6-Dinitro-2-methylphenol	8.51	198	366565	3576.636	ug/L	94
65)	n-Nitrosodiphenylamine	8.58	169	300382	801.714	ug/L	96
67)	Azobenzene	8.61	77	294408	717.117	ug/L	98
68)	4-Bromophenylphenylether	8.90	248	121863	714.820	ug/L	97
69)	Hexachlorobenzene	8.94	284	143868	650.654	ug/L	98
70)	Pentachlorophenol	9.13	266	71488	784.437	ug/L	98
71)	Phenanthrene	9.33	178	593961	721.174	ug/L	99
72)	Anthracene	9.38	178	579117	775.274	ug/L	100
73)	Octadecane	9.24	57	214534	897.592	ul/L	99
74)	Carbazole	9.54	167	487606	964.250	ug/L	99
75)	Di-n-butylphthalate	9.93	149	3016223	3406.954	ug/L	100
76)	Fluoranthene	10.54	202	686523	816.711	ug/L	100
77)	Pyrene	10.78	202	708846	813.007	ug/L	95
81)	Butylbenzylphthalate	11.58	149	348805	962.178	ug/L	100
82)	Benzo(a)anthracene	12.15	228	668669	860.437	ug/L	98
83)	3,3'-Dichlorobenzidine	12.15	252	158924	738.193	ug/L	96
84)	Chrysene	12.19	228	621916	767.785	ug/L	98
85)	bis(2-Ethylhexyl)phthalate	12.28	149	557221	1110.188	ug/L	98
87)	Di-n-octylphthalate	12.91	149	33231	41.986	ug/L	86

(#) = qualifier out of range (m) = manual integration

008964

Quantitation Report (Not Reviewed)

Data File : H:\DATA\030105_A\AT03695.D
Acq On : 1 Mar 2005 11:04 am
Sample : 126377-6 &1 msd
Misc :
MS Integration Params: Rteint.p
Quant Time: Mar 02 06:28:22 2005

Vial: 9
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: 8270_022505.RES

Quant Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Feb 28 14:16:48 2005
Response via : Initial Calibration
DataAcq Meth : 8270

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
88)	Benzo(b)fluoranthene	13.34	252	695926	789.242	ul/l	98
89)	benzo(k)fluoranthene	13.37	252	660608	842.673	ul/l	98
90)	Benzofluoranthenes	13.36	252	1365575	1719.651	ug/L	91
91)	Benzo(a)pyrene	13.71	252	604716	888.183	ug/L	96
92)	Indeno(1,2,3-cd)pyrene	15.29	276	630107	851.454	ug/L	99
93)	Dibenz(a,h)anthracene	15.35	278	641747	812.037	ug/L	96
94)	Benzo(g,h,i)perylene	15.66	276	675666	888.541	ug/L	97

(#) = qualifier out of range (m) = manual integration

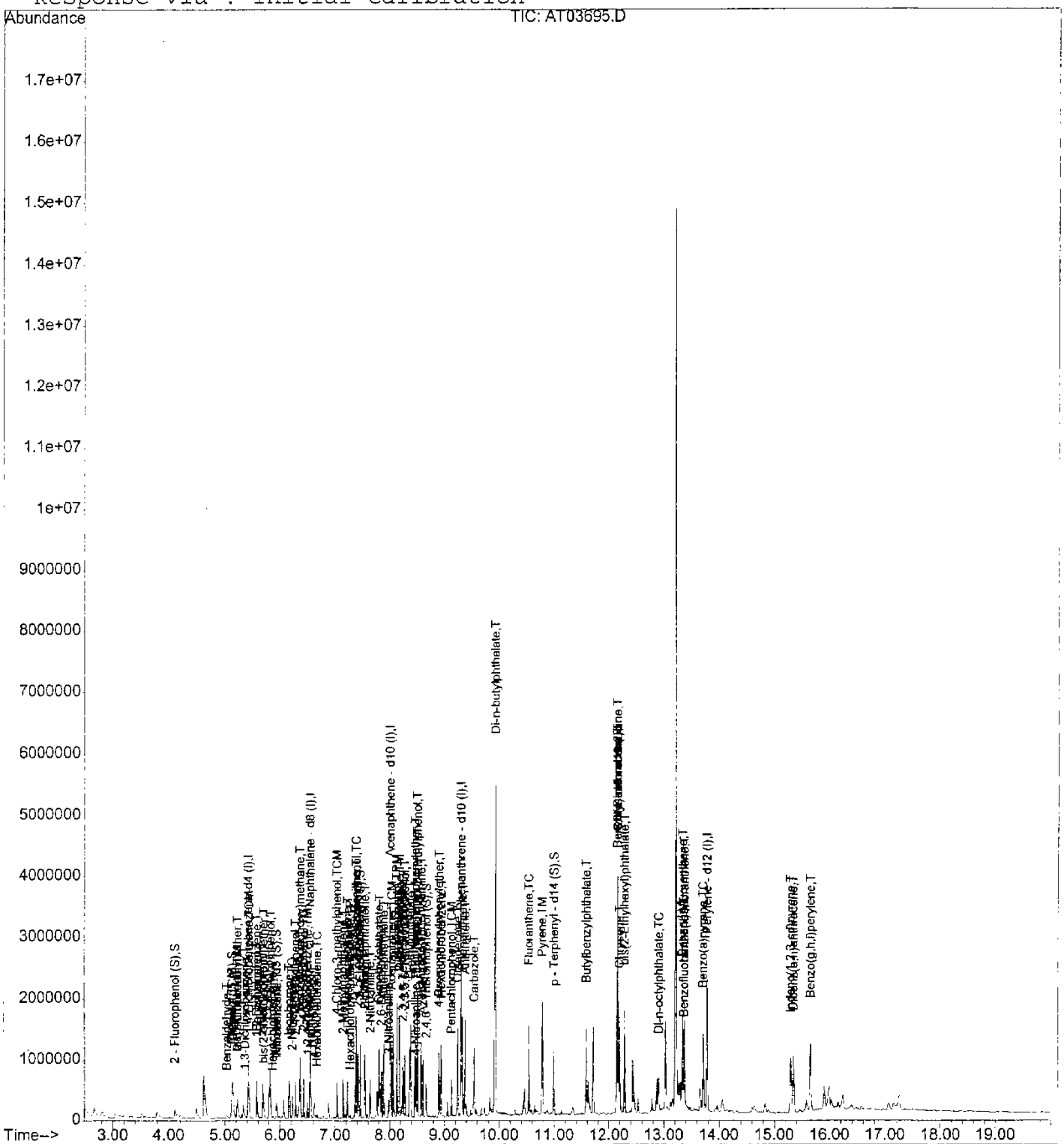
009665

Quantitation Report (Not Reviewed)

Data File : H:\DATA\030105_A\AT03695.D
Acq On : 1 Mar 2005 11:04 am
Sample : 126377-6 &1 msd
Misc :
MS Integration Params: Rteint.p
Quant Time: Mar 2 6:30 2005

Vial: 9
Operator: RBF
Inst : hp6890gcm
Multiplr: 1.00
Quant Results File: 8270_022505.

Method : H:\METHODSSEMI\8270_022505.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Feb 28 14:16:48 2005
Response via : Initial Calibration



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LABORATORY WORKSHEETS

00967

Semivolatile GCMS Worksheet - total

COE

QC ~~Level:Tier IV~~ WT COE requirements | Due: 03/02/05 | Work Order - 126377

Matrix:solid

Parametrix, Inc. | Proj. Manager:Darla Powell

Special Instructions

~~5 day TAT~~ DTP
Subbed TOC & Sulfide to STL Denver
Subbed Grain Size to STL Burlington
Subbed Dioxin to STL Sac

Proj Spec QC

~~Sample number 126377-1~~ Sample Weight/Volume	30	Client Sample ID	0205-OS-VC-01
		Date Received	2/18/2005
		Date Sampled	**2/17/2005 1:45:00 PM**
SVOC 8270			
~~Sample number 126377-2~~ Sample Weight/Volume	~~30~~ 25	Client Sample ID	0205-OS-VC-02
		Date Received	2/18/2005
		Date Sampled	**2/17/2005 8:30:00 AM**
SVOC 8270			
~~Sample number 126377-3~~ Sample Weight/Volume	~~30~~ ~~30~~ 25	Client Sample ID	0205-OS-VC-03
		Date Received	2/18/2005
		Date Sampled	**2/17/2005 9:45:00 AM**
SVOC 8270			
~~Sample number 126377-4~~ Sample Weight/Volume	25	Client Sample ID	0205-OS-VC-03A
		Date Received	2/18/2005
		Date Sampled	**2/17/2005 9:45:00 AM**
SVOC 8270			
~~Sample number 126377-5~~ Sample Weight/Volume	25	Client Sample ID	0205-OS-VC-04
		Date Received	2/18/2005
		Date Sampled	**2/17/2005 12:50:00 PM**
SVOC 8270			
~~Sample number 126377-6~~ Sample Weight/Volume	20	Client Sample ID	0205-OS-VC-05
		Date Received	2/18/2005
		Date Sampled	**2/17/2005 10:50:00 AM**
SVOC 8270			
~~Sample number 126377-7~~ Sample Weight/Volume	30	Client Sample ID	0205-OS-VC-06
		Date Received	2/18/2005
		Date Sampled	**2/17/2005 11:25:00 AM**
SVOC 8270			

See Attached Rept these only

Samples are: Low Level [X] Small Volume [ ] Normal [ ]

Analyst _____ Date 3/4/05

Reviewed by _____ Date 3/4/05

Organics worksheet v4.0
If you have suggestions for changes please bring them to me - Dennis

896608

Semivolatile GCMS Worksheet - total

QC Level:Tier IV	**Due: 03/02/05**	**Work Order - 126377**
Matrix:solid		
Parametrix, Inc.	Proj. Manager:Darla Powell	

Special Instructions

5 day TAT
Subbed TOC & Sulfide to STL Denver
Subbed Grain Size to STL Burlington
Subbed Dioxin to STL Sac

Sample number 126377-8

30

Sample Weight/Volume

SVOC 8270

Client Sample ID	0205-OS-VC-06Z
Date Received	2/18/2005
Date Sampled	**2/17/2005 11:20:00 AM**

Samples are: Low Level ☐ Small Volume ☐ Normal ☐

Analyst _____

Reviewed by _____

Date 3/4/05

Date 3/4/05

Organics worksheet v4.0
If you have suggestions for changes please bring them to me - Dennis

696608

Sample Receiving Login

Full Client Name	**Parametrix, Inc.**
Work Order	**126377**
Date Received	**2/18/05**
Date Due	
QC Level	
Date Analyzed	2/21/05

STL Work Order	Samp No.	Client Sample ID	Date Sampled	% Solids	Sample+Tin	Final Wt.	Sample Wt.
126377-8Dup	8	0205-OS-VC-06Z	2/17/05	58.79	15.3262	9.334	14.54
126377-8Trip.	8	0205-OS-VC-06Z	2/17/05	58.77	14.4122	8.7965	13.6189
126377-1	1	0205-OS-VC-01	2/17/05	55.96	12.4311	7.3056	11.6395
126377-2	2	0205-OS-VC-02	2/17/05	71.62	13.3739	9.8033	12.5799
126377-3	3	0205-OS-VC-03	2/17/05	66.38	16.8641	11.4572	16.0809
126377-4	4	0205-OS-VC-03A	2/17/05	66.44	12.4195	8.5175	11.6274
126377-5	5	0205-OS-VC-04	2/17/05	70.25	17.0283	12.1969	16.2388
126377-6	6	0205-OS-VC-05	2/17/05	85.38	8.291	7.196	7.4913
126377-7	7	0205-OS-VC-06	2/17/05	59.88	17.7522	10.9469	16.9636
126377-8	8	0205-OS-VC-06Z	2/17/05	57.85	13.2777	8.0179	12.4777
126377-9	9	0205-OS-VC-01P	2/17/05	not done			
126377-10	10	0205-OS-VC-02P	2/17/05	not done			
126377-11	11	0205-OS-VC-03P	2/17/05	not done			
126377-12	12	0205-OS-VC-03AP	2/17/05	not done			
126377-13	13	0205-OS-VC-04P	2/17/05	not done			
126377-14	14	0205-OS-VC-05P	2/17/05	not done			
126377-15	15	0205-OS-VC-06P	2/17/05	not done			
126377-16	16	0205-OS-VC-06ZP	2/17/05	not done			

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Printed - 2/21/05

Semivolaile Analysis by USEPA Method 8270

QC Batch ID	ss1343				
Sample Matrix	solid				
Surrogate Std. No.	1281-3-1				
Expiration date	10/15/05	weighed 2/21/05			
8270 Matrix Spike No.	1281-2-2	extracted 2/21/05			
Expiration date	04/12/05	8270			
Internal Standard No.	980-89-1				
Expiration date	11/14/04				
MeCl2 Lot No.	X46E04				
Na2SO4 Lot No.					
		Spike Witness NA			
Extraction Method	3550 Sonication				

QC Sample Type	QC Identifier	Sample Weight (g)	Final Volume (ml)	Surr Spike (ul)	MS/BS spike amt (ul)
Method Blank	ss1343	20.0000	1	10	NA
Duplicate					NA
Duplicate-2	none				NA
Blank Spike	sss1343	20.0000	1	10	10
Blank Spike Duplicate	dss1343	20.0000	1	10	10
Matrix Spike	126377s6	20.5677	1	10	10
Matrix Spike Duplicate	126377d6	21.8107	1	10	10
Matrix Spike-2					
Matrix Spike Duplicate-2					

Sample		SampleWeight (g)	Final Volume (ml)	Surr Spike (ul)	Comments
126377-1	0205-OS-VC-01	31.5693	1	10	
126377-2	0205-OS-VC-02	25.3850	1	10	
126377-3	0205-OS-VC-03	26.2330	1	10	
126377-4	0205-OS-VC-03A	26.7141	1	10	
126377-5	0205-OS-VC-04	25.3756	1	10	
126377-6	0205-OS-VC-05	21.2021	1	10	
126377-7	0205-OS-VC-06	31.1140	1	10	
126377-8	0205-OS-VC-06Z	33.5044	1	10	

Printed - 2/28/2005

Semivolaile Analysis by USEPA Method 8270

QC Batch ID	ss1348				
Sample Matrix	solid				
Surrogate Std. No.	1281-3-1				
Expiration date	10/15/2005	weighed 2/24/05			
8270 Matrix Spike No.	1281-2-2	extracted 2/24/05			
Expiration date	04/12/05	8270 Bottled see list			
Internal Standard No.	980-89-1	re-extract			
Expiration date	11/14/2004				
MeCl2 Lot No.	X46E04				
Na2SO4 Lot No.					
		Spike Witness NA			
Extraction Method	3550 Sonication				

QC Sample Type	QC Identifier	Sample Weight (g)	Final Volume (ml)	Surr Spike (ul)	MS/BS spike amt (ul)
Method Blank	ss1348	20.0000	1	10	NA
Duplicate					NA
Duplicate-2	none				NA
Blank Spike	sss1348	20.0000	1	10	10
Blank Spike Duplicate	dss1348	20.0000	1	10	10
Matrix Spike	126377s6	21.2092	1	10	10
Matrix Spike Duplicate	126377d6	21.0865	1	10	10
Matrix Spike-2					
Matrix Spike Duplicate-2					

Sample	sample ID	SampleWeight (g)	Final Volume (ml)	Surr Spike (ul)	Comments
126377-1	0205-OS-VC-01	31.3084	1	10	
126377-2	0205-OS-VC-02	25.4640	1	10	
126377-3	0205-OS-VC-03	27.3833	1	10	
126377-4	0205-OS-VC-03A	25.2446	1	10	
126377-5	0205-OS-VC-04	25.5510	1	10	
126377-6	0205-OS-VC-05	20.5439	1	10	
126377-7	0205-OS-VC-06	31.6752	1	10	

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6a **Sample Information**

Th Client Name	**Parametrix, Inc.**	
Work Order Number	**126377**	
Sample Number	**1**	Related Blank: ss1343
QC Batch Number	**ss1343**	
Client Sample ID	**0205-OS-VC-01**	
Date Received	**02-18-05**	
Date Prepared	**02-21-05**	
Date Analyzed	**02-25-05**	
Sample matrix type	**solid**	
QC sample type	**sample**	

Sample weight (g)	**31.5693**	=	0.03157 /kg	Calc. Fact.	0.056605332
Extract volume (ml)	**1**	=	1 ml	Dry Weight	17.66618028 g
Dilution Factor		=	1	Sample Units	ug/kg
% Solids	**55.96**	=	0.5596	Spike Factor	56.605332
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	1
Report in PPM		=	1		
mg/kg Carbon		=	1	Blk Dil. Fact	1
				Raw Dil. Fact	1

	Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	2 - Fluorophenol	471.4072		47.1	**OK**	10	120
x	Phenol - d5	669.2445		66.9	**OK**	10	102
x	Nitrobenzene - d5	399.4953		39.9	**OK**	34	146
x	2 - Fluorobiphenyl	482.8118		48.3	**OK**	35	143
x	2,4,6 - Tribromophenol	995.0105		99.5	**OK**	29	151
x	p - Terphenyl - d14	956.5705		95.7	**OK**	35	166

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Phenol	93.8782		6.244	5.31	B2	2.83
x	Benzyl Alcohol	182.5113			10.3		2.83
x	3-&4-Methylphenol	216.4361			12.3		2.83
	Isophorone	8.3378			0.472	J	5.66
	2-Nitrophenol	16.2897			0.922	J	2.83
	bis(2-Chloroethoxy)methane	13.2757			ND		5.66
x	1,2,4-Trichlorobenzene	11.5718		11.1053	0.655	J B1	2.83
x	Naphthalene	500.705			28.3		1.13
x	2-Methylnaphthalene	7146.078	E		405	E	1.13
x	Acenaphthene	453.2481			25.7		1.13
	2,4-Dinitrotoluene	708.1917			40.1		5.66
x	Diethylphthalate	80.8684		35.8288	4.58	J B1	5.66
x	Fluorene	914.746			51.8		1.13
x	Phenanthrene	4060.909	E		230	E	1.13
x	Anthracene	259.2899			14.7		1.13
x	Di-n-butylphthalate	5625.733	E	1192.18	318	B1 E	5.66
x	Fluoranthene	793.4351			44.9		1.13
x	Pyrene	823.0301			46.6		1.13
x	Butylbenzylphthalate	342.7692		146.995	19.4	B1	11.3
	3,3'-Dichlorobenzidine	40.4426		28.968	2.29	J B1	11.3

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x	Benzo(a)anthracene	306.3244		17.3		1.13
x	Chrysene	454.0545		25.7		1.13
x	bis(2-Ethylhexyl)phthalate	1030.231	322.918	58.3	B1	11.3
x	Di-n-octylphthalate	65.0537		3.68	J	11.3
	Benzofluoranthenes	912.9705		51.7		2.26
x	Benzo(b)fluoranthene	611.1711		34.6		1.13
x	Benzo(k)fluoranthene	184.867		10.5		1.13
x	Benzo(a)pyrene	416.8873		23.6		1.13
x	Indeno(1,2,3-cd)pyrene	291.1666		16.5		1.13
x	Benzo(g,h,i)perylene	283.0659		16		1.13
	Carbazole	224.1531		12.7		5.66
	Benzidine	72.4076		4.1	J	5.66
	Biphenyl	1468.233		83.1		5.66
	Benzaldehyde	890.5273		50.4		5.66
	Decane	49.3974		2.8		2.83
	1-Methylnaphthalene	4343.414		246		1.13
	2,3-Dichloroaniline	90.4569		5.12	J	5.66
	Octadecane	2300.484		130		2.83
	Cyclohexanone	19.5322	14.857	1.11	B1	0

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6a **Sample Information**

Th	Client Name	**Parametrix, Inc.**
	Work Order Number	**126377**
	Sample Number	**1**
	QC Batch Number	**ss1348**
	Client Sample ID	**0205-OS-VC-01**
	Date Received	**02-18-05**
	Date Prepared	**02-28-05**
	Date Analyzed	**03-01-05**
	Sample matrix type	**solid**
	QC sample type	**reanalys**

Related Blank: ss1348

Sample weight (g)	**31.3084**	=	0.03131 /kg	Calc. Fact.	0.057077037
Extract volume (ml)	**1**	=	1 ml	Dry Weight	17.52018064 g
Dilution Factor		=	1	Sample Units	ug/kg
% Solids	**55.96**	=	0.5596	Spike Factor	57.07703708
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	1
Report in PPM		=	1		
mg/kg Carbon		=	1	Blk Dil. Fact	1
				Raw Dil. Fact	1

	Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	2 - Fluorophenol	574.5836		57.5	**OK**	10	120
x	Phenol - d5	715.2027		71.5	**OK**	10	102
x	Nitrobenzene - d5	373.7657	N	37.4	**LOW**	34	146
x	2 - Fluorobiphenyl	350.0336	N	35	**LOW**	35	143
x	2,4,6 - Tribromophenol	702.8753		70.3	**OK**	29	151
x	p - Terphenyl - d14	716.0474		71.6	**OK**	35	166

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Phenol	125.992		22.5043	7.19	B1	2.85
x	Benzyl Alcohol	154.3323		43.6484	8.81	B1	2.85
x	3-&4-Methylphenol	80.5806			4.6		2.85
	2-Nitrophenol	20.4217			1.17	J	2.85
x	Benzoic Acid	1231.1724		427.588	70.3	B1	34.2
	2,4-Dichlorophenol	7.8242			0.447	J	2.85
x	Naphthalene	41.5186			2.37		1.14
	4-Chloroaniline	11.0156		ND			5.71
x	2-Methylnaphthalene	216.2721			12.3		1.14
x	Dimethylphthalate	13.1084			0.748	J	5.71
x	Acenaphthylene	23.8422			1.36		1.14
x	Acenaphthene	43.9337			2.51		1.14
	2,4-Dinitrophenol	371.8408			21.2	J	28.5
x	Dibenzofuran	23.1516			1.32	J	2.85
	2,4-Dinitrotoluene	49.4443			2.82	J	5.71
x	Diethylphthalate	91.0016		44.1818	5.19	J B1	5.71
x	Fluorene	66.6286			3.8		1.14
	4-Nitroaniline	133.5938			7.63	J	11.4
x	Phenanthrene	266.6086			15.2		1.14
x	Anthracene	47.1837			2.69		1.14

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x	Di-n-butylphthalate	4681.0625 E	2020.2	267	B1 E	5.71
x	Fluoranthene	454.343		25.9		1.14
x	Pyrene	424.9048		24.3		1.14
x	Butylbenzylphthalate	316.2568	183.356	18.1	B1	11.4
x	Benzo(a)anthracene	278.9003		15.9		1.14
x	Chrysene	368.6977		21		1.14
x	bis(2-Ethylhexyl)phthalate	974.5425	180.154	55.6	B1	11.4
x	Di-n-octylphthalate	19.1268	8.2978	1.09	J B1	11.4
	Benzofluoranthenes	706.2968		40.3		2.28
x	Benzo(b)fluoranthene	506.7914		28.9		1.14
x	Benzo(k)fluoranthene	155.0125		8.85		1.14
x	Benzo(a)pyrene	379.5777		21.7		1.14
x	Indeno(1,2,3-cd)pyrene	273.0897		15.6		1.14
x	Dibenz(a,h)anthracene	59.6444		3.4		1.14
x	Benzo(g,h,i)perylene	252.6764		14.4		1.14
	Carbazole	50.811		2.9	J	5.71
	Aniline	82.0765		4.68	J	5.71
	Biphenyl	45.0607		2.57	J	5.71
	Benzaldehyde	337.0415		19.2		5.71
	1-Methylnaphthalene	159.4585		9.1		1.14
	Octadecane	257.8694	17.0976	14.7	B2	2.85
	Cyclohexanone	14.6907	8.7735	0.839	B1	0

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6a **Sample Information**

Th	Client Name	**Parametrix, Inc.**
	Work Order Number	**126377**
	Sample Number	**1**
	QC Batch Number	**ss1348**
	Client Sample ID	**0205-OS-VC-01**
	Date Received	**02-18-05**
	Date Prepared	**02-28-05**
	Date Analyzed	**03-01-05**
	Sample matrix type	**solid**
	QC sample type	**dilution**

Related Blank: ss1348

Sample weight (g)	**31.6752**	=	0.03168 /kg	Calc. Fact.	0.282080414
Extract volume (ml)	**1**	=	1 ml	Dry Weight	17.72544192 g
Dilution Factor	**5**	=	5	Sample Units	ug/kg
% Solids	**55.96**	=	0.5596	Spike Factor	56.41608285
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	5
Report in PPM		=	1		
mg/kg Carbon		=	1	Blk Dil. Fact	5
				Raw Dil. Fact	5

	Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	2 - Fluorophenol	116.7225		58.4	**OK**	10	120
x	Phenol - d5	133.9955		67	**OK**	10	102
x	Nitrobenzene - d5	76.2143		38.1	**OK**	34	146
x	2 - Fluorobiphenyl	73.5089	N	36.8	**LOW**	35	143
x	2,4,6 - Tribromophenol	158.4764		79.2	**OK**	29	151
x	p - Terphenyl - d14	147.9313		74	**OK**	35	166

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Phenol	21.7349		22.5043	6.13	J B1	14.1
x	Benzyl Alcohol	39.6651		43.6484	11.2	J B1	14.1
x	3-&4-Methylphenol	38.8468			11	J	14.1
	2-Nitrophenol	5.0424			1.42	J	14.1
x	Benzoic Acid	525.9203		427.588	148	J B1	169
x	Naphthalene	8.2788			2.34	J	5.64
	4-Chloro-3-methylphenol	38.3446		39.3362	10.8	J B1	14.1
x	2-Methylnaphthalene	41.6904			11.8		5.64
x	Dimethylphthalate	5.1667			ND		28.2
x	Acenaphthylene	5.2052			1.47	J	5.64
	2,6-Dinitrotoluene	27.3694			7.72	J	14.1
x	Acenaphthene	9.9458			2.81	J	5.64
x	Dibenzofuran	7.4318			2.1	J	14.1
	2,4-Dinitrotoluene	36.2731			10.2	J	28.2
x	Diethylphthalate	35.7443		44.1818	10.1	J B1	28.2
x	Fluorene	11.2738			3.18	J	5.64
	4-Nitroaniline	13.6973			ND		56.4
x	Phenanthrene	52.8501			14.9		5.64
x	Anthracene	10.7496			3.03	J	5.64
x	Di-n-butylphthalate	1090.5967		2020.2	308	B1	28.2

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x	Fluoranthene	101.6064		28.7		5.64
x	Pyrene	91.6889		25.9		5.64
x	Butylbenzylphthalate	125.5222	183.356	35.4	J B1	56.4
x	Benzo(a)anthracene	56.5443		16		5.64
x	Chrysene	74.4291		21		5.64
x	bis(2-Ethylhexyl)phthalate	208.4643	180.154	58.8	B1	56.4
	Benzofluoranthenes	151.8862		42.8		11.3
x	Benzo(b)fluoranthene	105.2659		29.7		5.64
x	Benzo(k)fluoranthene	37.5092		10.6		5.64
x	Benzo(a)pyrene	74.2211		20.9		5.64
x	Indeno(1,2,3-cd)pyrene	77.8912		22		5.64
x	Dibenz(a,h)anthracene	24.6435		6.95		5.64
x	Benzo(g,h,i)perylene	62.6139		17.7		5.64
	Carbazole	8.4793	ND			28.2
	Pyridine	195.6856		55.2		28.2
	Benzidine	6.9923	ND			28.2
	Biphenyl	10.6443		3	J	28.2
	Acetophenone	13.2178	11.4063	3.73	J B1	28.2
	Benzaldehyde	67.9801		19.2	J	28.2
	Decane	5.4296		1.53		14.1
	1-Methylnaphthalene	32.641		9.21		5.64
	Octadecane	56.1664	17.0976	15.8	B1	14.1

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6a **Sample Information**

Th	Client Name	**Parametrix, Inc.**
	Work Order Number	**126377**
	Sample Number	**2**
	QC Batch Number	**ss1343**
	Client Sample ID	**0205-OS-VC-02**
	Date Received	**02-18-05**
	Date Prepared	**02-21-05**
	Date Analyzed	**02-25-05**
	Sample matrix type	**solid**
	QC sample type	**sample**

Related Blank: ss1343

Sample weight (g)	**25.385**	=	0.02539 /kg	Calc. Fact.	0.055003271
Extract volume (ml)	**1**	=	1 ml	Dry Weight	18.180737 g
Dilution Factor		=	1	Sample Units	ug/kg
% Solids	**71.62**	=	0.7162	Spike Factor	55.00327077
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	1
Report in PPM		=	1		
mg/kg Carbon		=	1	Blk Dil. Fact	1
				Raw Dil. Fact	1

	Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	2 - Fluorophenol	465.7301		46.6	**OK**	10	120
x	Phenol - d5	644.8919		64.5	**OK**	10	102
x	Nitrobenzene - d5	420.7868		42.1	**OK**	34	146
x	2 - Fluorobiphenyl	480.0726		48	**OK**	35	143
x	2,4,6 - Tribromophenol	814.8871		81.5	**OK**	29	151
x	p - Terphenyl - d14	754.1965		75.4	**OK**	35	166

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Phenol	117.8298		6.244	6.48	B2	2.75
x	1,3-Dichlorobenzene	5.8421			ND		2.75
x	Benzyl Alcohol	143.0975			7.87		2.75
x	1,2-Dichlorobenzene	6.9469		8.3371	0.382	J B1	2.75
x	3-&4-Methylphenol	78.6508			4.33		2.75
x	Benzoic Acid	1125.961		519.162	61.9	B1	33
x	1,2,4-Trichlorobenzene	9.902		11.1053	0.545	J B1	2.75
x	Naphthalene	53.4956			2.94		1.1
x	2-Methylnaphthalene	42.395			2.33		1.1
x	Dimethylphthalate	64.1187			3.53	J	5.5
x	Acenaphthylene	24.1574			1.33		1.1
x	Acenaphthene	24.1743			1.33		1.1
x	Dibenzofuran	18.7517			1.03	J	2.75
x	Diethylphthalate	66.8924		35.8288	3.68	J B1	5.5
x	Fluorene	51.7484			2.85		1.1
x	Pentachlorophenol	25.6674			1.41	J	5.5
x	Phenanthrene	229.1091			12.6		1.1
x	Anthracene	46.8162			2.58		1.1
x	Di-n-butylphthalate	4532.525	E	1192.18	249	B1 E	5.5
x	Fluoranthene	366.54			20.2		1.1

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x	Pyrene	367.8717		20.2		1.1
x	Butylbenzylphthalate	181.9817	146.995	10	J B1	11
x	Benzo(a)anthracene	193.6308		10.7		1.1
x	Chrysene	276.212		15.2		1.1
x	bis(2-Ethylhexyl)phthalate	500.0932	322.918	27.5	B1	11
x	Di-n-octylphthalate	10.4527		0.575	J	11
	Benzofluoranthenes	501.504		27.6		2.2
x	Benzo(b)fluoranthene	339.2201		18.7		1.1
x	Benzo(k)fluoranthene	101.3661		5.58		1.1
x	Benzo(a)pyrene	243.8421		13.4		1.1
x	Indeno(1,2,3-cd)pyrene	186.0893		10.2		1.1
x	Benzo(g,h,i)perylene	187.4804		10.3		1.1
	Carbazole	30.8993		1.7	J	5.5
	Benzidine	27.3258	ND			5.5
	Azobenzene	5.4618	ND			5.5
	Biphenyl	17.8553		0.982	J	5.5
	Acetophenone	38.0566	10.778	2.09	J B1	5.5
	Benzaldehyde	278.9961		15.3		5.5
	Decane	22.3499		1.23		2.75
	1-Methylnaphthalene	21.1221		1.16		1.1
	Octadecane	177.5737		9.77		2.75
	Cyclohexanone	16.5177	14.857	0.909	B1	0

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6a **Sample Information**

Th Client Name	**Parametrix, Inc.**
Work Order Number	**126377**
Sample Number	**2**
QC Batch Number	**ss1343**
Client Sample ID	**0205-OS-VC-02**
Date Received	**02-18-05**
Date Prepared	**02-21-05**
Date Analyzed	**02-25-05**
Sample matrix type	**solid**
QC sample type	**sample**

Related Blank: ss1343

Sample weight (g)	**25.385**	=	0.02539 /kg	Calc. Fact.	0.055003271
Extract volume (ml)	**1**	=	1 ml	Dry Weight	18.180737 g
Dilution Factor		=	1	Sample Units	ug/kg
% Solids	**71.62**	=	0.7162	Spike Factor	55.00327077
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	1
Report in PPM		=	1		
mg/kg Carbon		=	1	Blk Dil. Fact	1
				Raw Dil. Fact	1

	Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	2 - Fluorophenol	465.7301		46.6	OK	10	120
x	Phenol - d5	644.8919		64.5	OK	10	102
x	Nitrobenzene - d5	420.7868		42.1	OK	34	146
x	2 - Fluorobiphenyl	480.0726		48	OK	35	143
x	2,4,6 - Tribromophenol	814.8871		81.5	OK	29	151
x	p - Terphenyl - d14	754.1965		75.4	OK	35	166

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Phenol	117.8298		6.244	6.48	B2	2.75
x	1,3-Dichlorobenzene	5.8421			ND		2.75
x	Benzyl Alcohol	143.0975			7.87		2.75
x	1,2-Dichlorobenzene	6.9469		8.3371	0.382	J B1	2.75
x	3-&4-Methylphenol	78.6508			4.33		2.75
	~~2-Nitrophenol~~	~~12.4181~~			0.683	J	2.75
x	Benzoic Acid	1125.961		519.162	61.9	B1	33
x	1,2,4-Trichlorobenzene	9.902		11.1053	0.545	J B1	2.75
x	Naphthalene	53.4956			2.94		1.1
x	2-Methylnaphthalene	42.395			2.33		1.1
x	Dimethylphthalate	64.1187			3.53	J	5.5
x	Acenaphthylene	24.1574			1.33		1.1
x	Acenaphthene	24.1743			1.33		1.1
x	Dibenzofuran	18.7517			1.03	J	2.75
	~~2,4-Dinitrotoluene~~	~~33.8716~~			1.86	J	5.5
x	Diethylphthalate	66.8924		35.8288	3.68	J B1	5.5
x	Fluorene	51.7484			2.85		1.1
	~~4-Nitroaniline~~	~~6.3745~~			ND		11
x	Pentachlorophenol	25.6674			1.41	J	5.5
x	Phenanthrene	229.1091			12.6		1.1

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x	Anthracene	46.8162			2.58		1.1
x	Di-n-butylphthalate	4532.525	E	1192.18	249	B1	5.5
x	Fluoranthene	21.1156	3w 54		1.16		1.1
x	Pyrene	367.8717			20.2		1.1
x	Butylbenzylphthalate	181.9817		146.995	10	J B1	11
x	Benzo(a)anthracene	193.6308			10.7		1.1
x	Chrysene	276.212			15.2		1.1
x	bis(2-Ethylhexyl)phthalate	500.0932		322.918	27.5	B1	11
x	Di-n-octylphthalate	10.4527			0.575	J	11
	Benzofluoranthenes	501.504			27.6		2.2
x	Benzo(b)fluoranthene	339.2201			18.7		1.1
x	Benzo(k)fluoranthene	101.3661			5.58		1.1
x	Benzo(a)pyrene	243.8421			13.4		1.1
x	Indeno(1,2,3-cd)pyrene	186.0893			10.2		1.1
x	Benzo(g,h,i)perylene	187.4804			10.3		1.1
	Carbazole	30.8993			1.7	J	5.5
	Benzidine	27.3258		ND			5.5
	Azobenzene	5.4618		ND			5.5
	Biphenyl	17.8553			0.982	J	5.5
	Acetophenone	38.0566		10.778	2.09	J B1	5.5
	Benzaldehyde	278.9961			15.3		5.5
	Decane	22.3499			1.23		2.75
	1-Methylnaphthalene	21.1221			1.16		1.1
	Octadecane	177.5737			9.77		2.75
	Cyclohexanone	16.5177		14.857	0.909	B1	0

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6a **Sample Information**

Th Client Name	**Parametrix, Inc.**	
Work Order Number	**126377**	
Sample Number	**2**	Related Blank: ss1348
QC Batch Number	**ss1348**	
Client Sample ID	**0205-OS-VC-02**	
Date Received	**02-18-05**	
Date Prepared	**02-28-05**	
Date Analyzed	**03-01-05**	
Sample matrix type	**solid**	
QC sample type	**reanalys**	

Sample weight (g)	**25.464**	=	0.02546 /kg	Calc. Fact.	0.054832628
Extract volume (ml)	**1**	=	1 ml	Dry Weight	18.2373168 g
Dilution Factor		=	1	Sample Units	ug/kg
% Solids	**71.62**	=	0.7162	Spike Factor	54.83262757
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	1
Report in PPM		=	1		
mg/kg Carbon		=	1	Blk Dil. Fact	1
				Raw Dil. Fact	1

	Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	2 - Fluorophenol	424.8901		42.5	OK	10	120
x	Phenol - d5	564.9846		56.5	OK	10	102
x	Nitrobenzene - d5	375.0429	N	37.5	LOW	34	146
x	2 - Fluorobiphenyl	330.4196	N	33	LOW	35	143
x	2,4,6 - Tribromophenol	781.8899		78.2	OK	29	151
x	p - Terphenyl - d14	716.4889		71.6	OK	35	166

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Phenol	72.3448		22.5043	3.97	B1	2.74
x	Benzyl Alcohol	87.2664		43.6484	4.79	B1	2.74
x	3-&4-Methylphenol	46.2758			2.54	J	2.74
x	Benzoic Acid	913.8894		427.588	50.1	B1	32.9
x	Naphthalene	25.6629			1.41		1.1
	4-Chloro-3-methylphenol	43.1428		39.3362	2.37	J B1	2.74
	2,4,5-Trichlorophenol	33.5334			1.84	J	2.74
	2-Nitroaniline	23.4256			1.28		1.1
x	Dimethylphthalate	17.3824			0.953	J	5.48
x	Acenaphthylene	11.5057			0.631	J	1.1
x	Acenaphthene	17.5307			0.961	J	1.1
	2,4-Dinitrophenol	358.0308			19.6	J	27.4
x	Dibenzofuran	11.5475			0.633	J	2.74
	2,4-Dinitrotoluene	32.7924			1.8	J	5.48
x	Diethylphthalate	73.2575		44.1818	4.02	J B1	5.48
x	Fluorene	21.3906			1.17		1.1
x	Pentachlorophenol	24.6889			1.35	J	5.48
x	Phenanthrene	136.7322			7.5		1.1
x	Anthracene	37.1657			2.04		1.1
x	Di-n-butylphthalate	3817.8755	E	2020.2	209	B1 E	5.48

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x	Fluoranthene	344.0789		18.9		1.1
x	Pyrene	307.0076		16.8		1.1
x	Butylbenzylphthalate	241.6838	183.356	13.3	B1	11
	3,3'-Dichlorobenzidine	33.3258		1.83	J	11
x	Benzo(a)anthracene	167.0998		9.16		1.1
x	Chrysene	219.7079		12		1.1
x	bis(2-Ethylhexyl)phthalate	642.3851	180.154	35.2	B1	11
x	Di-n-octylphthalate	12.7907	8.2978	0.701	J B1	11
	Benzofluoranthenes	423.557		23.2		2.19
x	Benzo(b)fluoranthene	276.5911		15.2		1.1
x	Benzo(k)fluoranthene	92.517		5.07		1.1
x	Benzo(a)pyrene	208.1019		11.4		1.1
x	Indeno(1,2,3-cd)pyrene	181.3325		9.94		1.1
x	Dibenz(a,h)anthracene	41.4747		2.27		1.1
x	Benzo(g,h,i)perylene	164.9649		9.05		1.1
	Carbazole	33.2803		1.82	J	5.48
	Pyridine	195.53		10.7		5.48
	Biphenyl	5.5559		0.305	J	5.48
	Benzaldehyde	71.607		3.93	J	5.48
	Octadecane	123.2705	17.0976	6.76	B1	2.74

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6a **Sample Information**

Th Client Name	**Parametrix, Inc.**
Work Order Number	**126377**
Sample Number	**2**
QC Batch Number	**ss1348**
Client Sample ID	**0205-OS-VC-02**
Date Received	**02-18-05**
Date Prepared	**02-28-05**
Date Analyzed	**03-01-05**
Sample matrix type	**solid**
QC sample type	**dilution**

Related Blank: ss1348

Sample weight (g)	**25.464**	=	0.02546 /kg	Calc. Fact.	0.274163138
Extract volume (ml)	**1**	=	1 ml	Dry Weight	18.2373168 g
Dilution Factor	**5**	=	5	Sample Units	ug/kg
% Solids	**71.62**	=	0.7162	Spike Factor	54.83262757
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	5
Report in PPM		=	1		
mg/kg Carbon		=	1	Blk Dil. Fact	5
				Raw Dil. Fact	5

	Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	2 - Fluorophenol	83.7703		41.9	OK	10	120
x	Phenol - d5	98.3829		49.2	OK	10	102
x	Nitrobenzene - d5	74.4229	N	37.2	LOW	34	146
x	2 - Fluorobiphenyl	67.8574	N	33.9	LOW	35	143
x	2,4,6 - Tribromophenol	177.6885		88.8	OK	29	151
x	p - Terphenyl - d14	176.7873		88.4	OK	35	166

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Phenol	13.9296		22.5043	3.82	J B1	13.7
x	Benzoic Acid	474.8577		427.588	130	J B1	164
	2,4-Dichlorophenol	10.5742			2.9	J	13.7
x	Naphthalene	5.672			1.56	J	5.48
	2,6-Dinitrotoluene	29.5606			8.1	J	13.7
x	Dibenzofuran	9.5083			2.61	J	13.7
x	Diethylphthalate	40.8996		44.1818	11.2	J B1	27.4
x	N-Nitrosodiphenylamine	9.9597			2.73	J	5.48
x	Phenanthrene	29.6555			8.13		5.48
x	Anthracene	9.1602			2.51	J	5.48
x	Di-n-butylphthalate	1019.9958		2020.2	280	B1	27.4
x	Fluoranthene	81.7164			22.4		5.48
x	Pyrene	73.9637			20.3		5.48
x	Butylbenzylphthalate	109.0218		183.356	29.9	J B1	54.8
	3,3'-Dichlorobenzidine	28.7177			7.87	J	54.8
x	Benzo(a)anthracene	35.7344			9.8		5.48
x	Chrysene	47.392			13		5.48
x	bis(2-Ethylhexyl)phthalate	145.9214		180.154	40	J B1	54.8
	Benzofluoranthenes	85.0805			23.3		11
x	Benzo(b)fluoranthene	68.9348			18.9		5.48

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x	Benzo(k)fluoranthene	16.7001			4.58	J	5.48
x	Benzo(a)pyrene	45.4496			12.5		5.48
x	Indeno(1,2,3-cd)pyrene	51.9027			14.2		5.48
x	Dibenz(a,h)anthracene	15.1407			4.15	J	5.48
x	Benzo(g,h,i)perylene	34.203			9.38		5.48
	Carbazole	6.9087		ND			27.4
	N-nitrosodimethylamine	236.0007	233.814		64.7	B1	27.4
	Pyridine	199.0869			54.6		27.4
	Benzaldehyde	17.234			4.72	J	27.4
	Octadecane	40.8332	17.0976		11.2	J B1	13.7

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6a **Sample Information**

Th Client Name	**Parametrix, Inc.**
Work Order Number	**126377**
Sample Number	**3**
QC Batch Number	**ss1343**
Client Sample ID	**0205-OS-VC-03**
Date Received	**02-18-05**
Date Prepared	**02-21-05**
Date Analyzed	**02-25-05**
Sample matrix type	**solid**
QC sample type	**sample**

Related Blank: ss1343

Sample weight (g)	**26.233**	=	0.02623 /kg	Calc. Fact.	0.057426823
Extract volume (ml)	**1**	=	1 ml	Dry Weight	17.4134654 g
Dilution Factor		=	1	Sample Units	ug/kg
% Solids	**66.38**	=	0.6638	Spike Factor	57.42682327
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	1
Report in PPM		=	1		
mg/kg Carbon		=	1	Blk Dil. Fact	1
				Raw Dil. Fact	1

	Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	2 - Fluorophenol	536.7741		53.7	**OK**	10	120
x	Phenol - d5	709.2942		70.9	**OK**	10	102
x	Nitrobenzene - d5	425.4338		42.5	**OK**	34	146
x	2 - Fluorobiphenyl	524.9827		52.5	**OK**	35	143
x	2,4,6 - Tribromophenol	934.8692		93.5	**OK**	29	151
x	p - Terphenyl - d14	835.1365		83.5	**OK**	35	166

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Phenol	89.8015		6.244	5.16	B2	2.87
x	1,3-Dichlorobenzene	6.8832			ND		2.87
x	1,4-Dichlorobenzene	7.6547			0.44	J	2.87
x	Benzyl Alcohol	130.2897			7.48		2.87
x	3-&4-Methylphenol	125.5908			7.21		2.87
	Isophorone	6.4818			0.372	J	5.74
	2-Nitrophenol	~~14.652~~			0.841	J	2.87
x	Benzoic Acid	1336.491		519.162	76.8	B1	34.5
x	1,2,4-Trichlorobenzene	12.3859		11.1053	0.711	J B1	2.87
x	Naphthalene	70.1363			4.03		1.15
x	2-Methylnaphthalene	35.5995			2.04		1.15
	2-Nitroaniline	~~25.4227~~			1.46		1.15
x	Acenaphthylene	24.1923			1.39		1.15
x	Acenaphthene	51.9567			2.98		1.15
	2,4-Dinitrophenol	~~373.21~~		344.119	21.4	J B1	28.7
x	Dibenzofuran	30.5436			1.75	J	2.87
x	Diethylphthalate	54.6496		35.8288	3.14	J B1	5.74
x	Fluorene	74.8719			4.3		1.15
x	Pentachlorophenol	45.8416			2.63	J	5.74
x	Phenanthrene	291.2845			16.7		1.15

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x	Anthracene	64.3451		3.7		1.15
x	Di-n-butylphthalate	4387.6 E	1192.18	252	B1	5.74
x	Fluoranthene	610.5271		35.1		1.15
x	Pyrene	608.4331		34.9		1.15
x	Butylbenzylphthalate	181.489	146.995	10.4	J B1	11.5
x	Benzo(a)anthracene	353.4595		20.3		1.15
x	Chrysene	560.0217		32.2		1.15
x	bis(2-Ethylhexyl)phthalate	449.2889	322.918	25.8	B1	11.5
	Benzofluoranthenes	984.9684		56.6		2.3
x	Benzo(b)fluoranthene	641.6363		36.8		1.15
x	Benzo(k)fluoranthene	202.3621		11.6		1.15
x	Benzo(a)pyrene	406.4278		23.3		1.15
x	Indeno(1,2,3-cd)pyrene	75.9964		4.36		1.15
x	Benzo(g,h,i)perylene	316.0292		18.1		1.15
	Carbazole	44.5618		2.56	J	5.74
	Benzidine	44.0079		2.53	J	5.74
	Biphenyl	19.7979		1.14	J	5.74
	Acetophenone	41.5959	10.778	2.39	J B1	5.74
	Benzaldehyde	647.7635		37.2		5.74
	Decane	38.2273		2.2		2.87
	2,3,4,6-Tetrachlorophenol	55.99		3.22		5.74
	1-Methylnaphthalene	21.2266		1.22		1.15
	Octadecane	280.1893		16.1		2.87
	Cyclohexanone	19.3262	14.857	1.11	B1	0

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6a **Sample Information**

Th Client Name	**Parametrix, Inc.**	
Work Order Number	**126377**	
Sample Number	**3**	Related Blank: ss1343
QC Batch Number	**ss1343**	
Client Sample ID	**0205-OS-VC-03**	
Date Received	**02-18-05**	
Date Prepared	**02-21-05**	
Date Analyzed	**02-25-05**	
Sample matrix type	**solid**	
QC sample type	**sample**	

Sample weight (g)	**26.233**	=	0.02623 /kg	Calc. Fact.	0.057426823
Extract volume (ml)	**1**	=	1 ml	Dry Weight	17.4134654 g
Dilution Factor		=	1	Sample Units	ug/kg
% Solids	**66.38**	=	0.6638	Spike Factor	57.42682327
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	1
Report in PPM		=	1		
mg/kg Carbon		=	1	Blk Dil. Fact	1
				Raw Dil. Fact	1

	Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	2 - Fluorophenol	536.7741		53.7	**OK**	10	120
x	Phenol - d5	709.2942		70.9	**OK**	10	102
x	Nitrobenzene - d5	425.4338		42.5	**OK**	34	146
x	2 - Fluorobiphenyl	524.9827		52.5	**OK**	35	143
x	2,4,6 - Tribromophenol	934.8692		93.5	**OK**	29	151
x	p - Terphenyl - d14	835.1365		83.5	**OK**	35	166

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Phenol	89.8015		6.244	5.16	B2	2.87
x	1,3-Dichlorobenzene	6.8832			ND		2.87
x	1,4-Dichlorobenzene	7.6547			0.44	J	2.87
x	Benzyl Alcohol	130.2897			7.48		2.87
x	3-&4-Methylphenol	125.5908			7.21		2.87
	Isophorone	6.4818			0.372	J	5.74
	2-Nitrophenol	14.652			0.841	J	2.87
x	Benzoic Acid	1336.491		519.162	76.8	B1	34.5
x	1,2,4-Trichlorobenzene	12.3859		11.1053	0.711	J B1	2.87
x	Naphthalene	70.1363			4.03		1.15
x	2-Methylnaphthalene	35.5995			2.04		1.15
	2-Nitroaniline	25.4227			1.46		1.15
x	Acenaphthylene	24.1923			1.39		1.15
x	Acenaphthene	51.9567			2.98		1.15
	2,4-Dinitrophenol	373.21		344.119	21.4	J B1	28.7
x	Dibenzofuran	30.5436			1.75	J	2.87
x	Diethylphthalate	54.6496		35.8288	3.14	J B1	5.74
x	Fluorene	74.8719			4.3		1.15
x	Pentachlorophenol	45.8416			2.63	J	5.74
x	Phenanthrene	291.2845			16.7		1.15

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x	Anthracene	64.3451			3.7		1.15
x	Di-n-butylphthalate	4387.6	E	1192.18	252	B1 E	5.74
x	Fluoranthene	610.5271			35.1		1.15
x	Pyrene	608.4331			34.9		1.15
x	Butylbenzylphthalate	181.489		146.995	10.4	J B1	11.5
x	Benzo(a)anthracene	353.4595			20.3		1.15
x	Chrysene	560.0217			32.2		1.15
x	bis(2-Ethylhexyl)phthalate	449.2889		322.918	25.8	B1	11.5
	Benzofluoranthenes	984.9684			56.6		2.3
x	Benzo(b)fluoranthene	641.6363			36.8		1.15
x	Benzo(k)fluoranthene	202.3621			11.6		1.15
x	Benzo(a)pyrene	406.4278			23.3		1.15
x	Indeno(1,2,3-cd)pyrene	75.9964			4.36		1.15
x	Benzo(g,h,i)perylene	316.0292			18.1		1.15
	Carbazole	44.5618			2.56	J	5.74
	Benzidine	44.0079			2.53	J	5.74
	Biphenyl	19.7979			1.14	J	5.74
	Acetophenone	41.5959		10.778	2.39	J B1	5.74
	Benzaldehyde	647.7635			37.2		5.74
	Decane	38.2273			2.2		2.87
	2,3,4,6-Tetrachlorophenol	55.99			3.22		5.74
	1-Methylnaphthalene	21.2266			1.22		1.15
	Octadecane	280.1893			16.1		2.87
	Cyclohexanone	19.3262		14.857	1.11	B1	0

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6a **Sample Information**

Th Client Name	**Parametrix, Inc.**	
Work Order Number	**126377**	
Sample Number	**3**	Related Blank: ss1348
QC Batch Number	**ss1348**	
Client Sample ID	**0205-OS-VC-03**	
Date Received	**02-18-05**	
Date Prepared	**02-28-05**	
Date Analyzed	**03-01-05**	
Sample matrix type	**solid**	
QC sample type	**reanalys**	

Sample weight (g)	**27.3833**	=	0.02738 /kg	Calc. Fact.	0.055014474
Extract volume (ml)	**1**	=	1 ml	Dry Weight	18.17703454 g
Dilution Factor		=	1	Sample Units	ug/kg
% Solids	**66.38**	=	0.6638	Spike Factor	55.01447432
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	1
Report in PPM		=	1		
mg/kg Carbon		=	1	Blk Dil. Fact	1
				Raw Dil. Fact	1

	Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	2 - Fluorophenol	619.4722		61.9	**OK**	10	120
x	Phenol - d5	858.6528		85.9	**OK**	10	102
x	Nitrobenzene - d5	431.3166		43.1	**OK**	34	146
x	2 - Fluorobiphenyl	323.6593	N	32.4	**LOW**	35	143
x	2,4,6 - Tribromophenol	863.5027		86.4	**OK**	29	151
x	p - Terphenyl - d14	794.904		79.5	**OK**	35	166

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Phenol	156.5949		22.5043	8.61	B1	2.75
x	Benzyl Alcohol	169.1563		43.6484	9.31	B1	2.75
x	3-&4-Methylphenol	75.3174			4.14		2.75
	N-nitroso-di-n-propylamine	74.1582			4.08		2.75
	Isophorone	6.6095			0.364	J	5.5
	2-Nitrophenol	23.4378			1.29	J	2.75
x	Benzoic Acid	1311.4739		427.588	72.2	B1	33
x	Naphthalene	36.6918			2.02		1.1
	4-Chloroaniline	9.9201			ND		5.5
x	2-Methylnaphthalene	18.0102			0.991	J	1.1
x	Dimethylphthalate	16.9784			0.934	J	5.5
x	Acenaphthylene	20.7681			1.14		1.1
x	Acenaphthene	30.8368			1.7		1.1
	2,4-Dinitrophenol	344.6453			19	J	27.5
x	Dibenzofuran	17.317			0.953	J	2.75
	2,4-Dinitrotoluene	35.7134			1.96	J	5.5
x	Diethylphthalate	83.2352		44.1818	4.58	J B1	5.5
x	Fluorene	38.9769			2.14		1.1
x	Pentachlorophenol	80.1957			4.41	J	5.5
x	Phenanthrene	204.3835			11.2		1.1

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x	Anthracene	44.9312			2.47		1.1
x	Di-n-butylphthalate	4979.4591	E	2020.2	274	B1 E	5.5
x	Fluoranthene	544.2291			29.9		1.1
x	Pyrene	531.5812			29.2		1.1
x	Butylbenzylphthalate	312.8292		183.356	17.2	B1	11
x	Benzo(a)anthracene	309.8882			17		1.1
x	Chrysene	433.9385			23.9		1.1
x	bis(2-Ethylhexyl)phthalate	713.6628		180.154	39.3	B1	11
	Benzofluoranthenes	853.9435			47		2.2
x	Benzo(b)fluoranthene	539.9573			29.7		1.1
x	Benzo(k)fluoranthene	185.9175			10.2		1.1
x	Benzo(a)pyrene	413.1106			22.7		1.1
x	Indeno(1,2,3-cd)pyrene	297.3667			16.4		1.1
x	Dibenz(a,h)anthracene	66.0983			3.64		1.1
x	Benzo(g,h,i)perylene	294.5319			16.2		1.1
	Carbazole	40.9812			2.25	J	5.5
	Benzidine	36.6576			2.02	J	5.5
	Biphenyl	8.8139			0.485	J	5.5
	Acetophenone	18.7154		11.4063	1.03	J B1	5.5
	Benzaldehyde	259.0624			14.3		5.5
	1-Methylnaphthalene	11.4687			0.631		1.1
	Octadecane	345.8892		17.0976	19	B2	2.75
	Cyclohexanone	12.9609		8.7735	0.713	B1	0

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6a **Sample Information**

Th	Client Name	**Parametrix, Inc.**
	Work Order Number	**126377**
	Sample Number	**3**
	QC Batch Number	**ss1348**
	Client Sample ID	**0205-OS-VC-03**
	Date Received	**02-18-05**
	Date Prepared	**02-28-05**
	Date Analyzed	**03-01-05**
	Sample matrix type	**solid**
	QC sample type	**reanalys**

Related Blank: ss1348

Sample weight (g)	**27.3833**	=	0.02738 /kg	Calc. Fact.	0.055014474
Extract volume (ml)	**1**	=	1 ml	Dry Weight	18.17703454 g
Dilution Factor		=	1	Sample Units	ug/kg
% Solids	**66.38**	=	0.6638	Spike Factor	55.01447432
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	1
Report in PPM		=	1		
mg/kg Carbon		=	1	Blk Dil. Fact	1
				Raw Dil. Fact	1

	Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	2 - Fluorophenol	619.4722		61.9	OK	10	120
x	Phenol - d5	858.6528		85.9	OK	10	102
x	Nitrobenzene - d5	431.3166		43.1	OK	34	146
x	2 - Fluorobiphenyl	323.6593	N	32.4	LOW	35	143
x	2,4,6 - Tribromophenol	863.5027		86.4	OK	29	151
x	p - Terphenyl - d14	794.904		79.5	OK	35	166

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Phenol	156.5949		22.5043	8.61	B1	2.75
x	Benzyl Alcohol	169.1563		43.6484	9.31	B1	2.75
x	3-&4-Methylphenol	75.3174			4.14		2.75
	N-nitroso-di-n-propylamine	74.1582			4.08		2.75
	Isophorone	6.6095			0.364	J	5.5
	2-Nitrophenol	23.4378			1.29	J	2.75
x	Benzoic Acid	1311.4739		427.588	72.2	B1	33
x	Naphthalene	36.6918			2.02		1.1
	4-Chloroaniline	9.9201			ND		5.5
x	2-Methylnaphthalene	18.0102			0.991	J	1.1
x	Dimethylphthalate	16.9784			0.934	J	5.5
x	Acenaphthylene	20.7681			1.14		1.1
x	Acenaphthene	30.8368			1.7		1.1
	2,4-Dinitrophenol	344.6453			19	J	27.5
x	Dibenzofuran	17.317			0.953	J	2.75
	2,4-Dinitrotoluene	35.7134			1.96	J	5.5
x	Diethylphthalate	83.2352		44.1818	4.58	J B1	5.5
x	Fluorene	38.9769			2.14		1.1
x	Pentachlorophenol	80.1957			4.41	J	5.5
x	Phenanthrene	204.3835			11.2		1.1

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x	Anthracene	44.9312		2.47		1.1
x	Di-n-butylphthalate	4979.4591 E	2020.2	274	B1 E	5.5
x	Fluoranthene	544.2291		29.9		1.1
x	Pyrene	531.5812		29.2		1.1
x	Butylbenzylphthalate	312.8292	183.356	17.2	B1	11
x	Benzo(a)anthracene	309.8882		17		1.1
x	Chrysene	433.9385		23.9		1.1
x	bis(2-Ethylhexyl)phthalate	713.6628	180.154	39.3	B1	11
x	Di-n-octylphthalate	~~47.5324~~	8.2978	0.965	J B1	11
	Benzofluoranthenes	853.9435		47		2.2
x	Benzo(b)fluoranthene	539.9573		29.7		1.1
x	Benzo(k)fluoranthene	185.9175		10.2		1.1
x	Benzo(a)pyrene	413.1106		22.7		1.1
x	Indeno(1,2,3-cd)pyrene	297.3667		16.4		1.1
x	Dibenz(a,h)anthracene	66.0983		3.64		1.1
x	Benzo(g,h,i)perylene	294.5319		16.2		1.1
	Carbazole	40.9812		2.25	J	5.5
	Benzidine	36.6576		2.02	J	5.5
	Biphenyl	8.8139		0.485	J	5.5
	Acetophenone	18.7154	11.4063	1.03	J B1	5.5
	Benzaldehyde	259.0624		14.3		5.5
	1-Methylnaphthalene	11.4687		0.631		1.1
	Octadecane	345.8892	17.0976	19	B2	2.75
	Cyclohexanone	12.9609	8.7735	0.713	B1	0

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6a **Sample Information**

Th	Client Name	**Parametrix, Inc.**
	Work Order Number	**126377**
	Sample Number	**3**
	QC Batch Number	**ss1348**
	Client Sample ID	**0205-OS-VC-03**
	Date Received	**02-18-05**
	Date Prepared	**02-28-05**
	Date Analyzed	**03-01-05**
	Sample matrix type	**solid**
	QC sample type	**dilution**

Related Blank: ss1348

Sample weight (g)	**27.3833**	=	0.02738 /kg	Calc. Fact.	0.275072372
Extract volume (ml)	**1**	=	1 ml	Dry Weight	18.17703454 g
Dilution Factor	**5**	=	5	Sample Units	ug/kg
% Solids	**66.38**	=	0.6638	Spike Factor	55.01447432
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	5
Report in PPM		=	1		
mg/kg Carbon		=	1	Blk Dil. Fact	5
				Raw Dil. Fact	5

	Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	2 - Fluorophenol	128.1908		64.1	OK	10	120
x	Phenol - d5	159.7604		79.9	OK	10	102
x	Nitrobenzene - d5	83.1135		41.6	OK	34	146
x	2 - Fluorobiphenyl	66.2478	N	33.1	LOW	35	143
x	2,4,6 - Tribromophenol	190.1285		95.1	OK	29	151
x	p - Terphenyl - d14	174.1101		87.1	OK	35	166

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Phenol	32.6342		22.5043	8.98	J B1	13.8
x	Benzyl Alcohol	38.0177		43.6484	10.5	J B1	13.8
x	3-&4-Methylphenol	38.3363			10.5	J	13.8
	2-Nitrophenol	5.9356			1.63	J	13.8
x	2,4-Dimethylphenol	32.1758			8.85		5.5
x	Benzoic Acid	549.8895		427.588	151	J B1	165
	2,4-Dichlorophenol	8.309			2.29	J	13.8
x	Naphthalene	7.8638			2.16	J	5.5
x	2-Methylnaphthalene	5.1727			1.42	J	5.5
x	Acenaphthylene	6.3051			1.73	J	5.5
	2,6-Dinitrotoluene	28.4777			7.83	J	13.8
x	Acenaphthene	7.8979			2.17	J	5.5
	2,4-Dinitrophenol	344.3881			94.7	J	138
x	Dibenzofuran	9.5508			2.63	J	13.8
	2,4-Dinitrotoluene	33.6401			9.25	J	27.5
x	Diethylphthalate	38.6963		44.1818	10.6	J B1	27.5
x	Fluorene	5.8437			1.61	J	5.5
	4,6-Dinitro-2-methylphenol	384.1326			106		27.5
x	Pentachlorophenol	17.5595			4.83	J	27.5
x	Phenanthrene	41.6367			11.5		5.5

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x	Anthracene	11.1965			3.08	J	5.5
x	Di-n-butylphthalate	1288.57	2020.2		354	B1	27.5
x	Fluoranthene	136.2437			37.5		5.5
x	Pyrene	121.835			33.5		5.5
x	Butylbenzylphthalate	133.1118	183.356		36.6	J B1	55
	3,3'-Dichlorobenzidine	31.0523			8.54	J	55
x	Benzo(a)anthracene	68.5232			18.8		5.5
x	Chrysene	85.0405			23.4		5.5
x	bis(2-Ethylhexyl)phthalate	152.8428	180.154		42	J B1	55
x	Di-n-octylphthalate	5.5649	8.2978	ND			55
	Benzofluoranthenes	167.9749			46.2		11
x	Benzo(b)fluoranthene	121.1091			33.3		5.5
x	Benzo(k)fluoranthene	36.3235			9.99		5.5
x	Benzo(a)pyrene	84.8813			23.3		5.5
x	Indeno(1,2,3-cd)pyrene	83.4208			22.9		5.5
x	Dibenz(a,h)anthracene	25.9561			7.14		5.5
x	Benzo(g,h,i)perylene	71.3942			19.6		5.5
	Carbazole	10.0096		ND			27.5
	Pyridine	189.1979			52		27.5
	Benzidine	6.3683		ND			27.5
	Acetophenone	12.1883	11.4063		3.35	J B1	27.5
	Benzaldehyde	56.9742			15.7	J	27.5
	Decane	5.4201			1.49		13.8
	Octadecane	27.6159	17.0976		7.6	J B1	13.8

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6a **Sample Information**

Th	Client Name	**Parametrix, Inc.**
	Work Order Number	**126377**
	Sample Number	**4**
	QC Batch Number	**ss1343**
	Client Sample ID	**0205-OS-VC-03A**
	Date Received	**02-18-05**
	Date Prepared	**02-21-05**
	Date Analyzed	**02-25-05**
	Sample matrix type	**solid**
	QC sample type	**sample**

Related Blank: ss1343

Sample weight (g)	**26.7141**	=	0.02671 /kg	Calc. Fact.	0.056341685
Extract volume (ml)	**1**	=	1 ml	Dry Weight	17.74884804 g
Dilution Factor		=	1	Sample Units	ug/kg
% Solids	**66.44**	=	0.6644	Spike Factor	56.3416847
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	1
Report in PPM		=	1		
mg/kg Carbon		=	1	Blk Dil. Fact	1
				Raw Dil. Fact	1

	Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	2 - Fluorophenol	377.9662		37.8	**OK**	10	120
x	Phenol - d5	556.5384		55.7	**OK**	10	102
x	Nitrobenzene - d5	311.1217	N	31.1	**LOW**	34	146
x	2 - Fluorobiphenyl	380.6359	X9	38.1	**LOW**	35	143
x	2,4,6 - Tribromophenol	818.8395		81.9	**OK**	29	151
x	p - Terphenyl - d14	771.2491		77.1	**OK**	35	166

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Phenol	58.391		6.244	3.29	B1	2.82
x	1,4-Dichlorobenzene	5.0981			ND		2.82
x	Benzyl Alcohol	99.4395			5.6		2.82
x	2-Methylphenol	8.1391			0.459	J	2.82
x	3-&4-Methylphenol	104.7497			5.9		2.82
	Isophorone	7.9638			0.449	J	5.63
x	Benzoic Acid	917.9503		519.162	51.7	B1	33.8
x	1,2,4-Trichlorobenzene	10.8793		11.1053	0.613	J B1	2.82
x	Naphthalene	59.7765			3.37		1.13
x	2-Methylnaphthalene	33.3474			1.88		1.13
x	Acenaphthylene	23.4699			1.32		1.13
x	Acenaphthene	49.3234			2.78		1.13
	2,4-Dinitrophenol	363.5598		344.119	20.5	J B1	28.2
x	Dibenzofuran	23.7369			1.34	J	2.82
	2,4-Dinitrotoluene	36.6417			2.06	J	5.63
x	Diethylphthalate	54.392		35.8288	3.06	J B1	5.63
x	Fluorene	62.5797			3.53		1.13
x	Pentachlorophenol	28.5375			1.61	J	5.63
x	Phenanthrene	272.1398			15.3		1.13
x	Anthracene	62.606			3.53		1.13

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x	Di-n-butylphthalate	3854.236	E	1192.18	217	B1 E	5.63
x	Fluoranthene	592.9819			33.4		1.13
x	Pyrene	584.3127			32.9		1.13
x	Butylbenzylphthalate	204.6263		146.995	11.5	B1	11.3
x	Benzo(a)anthracene	336.6766			19		1.13
x	Chrysene	499.6734			28.2		1.13
x	bis(2-Ethylhexyl)phthalate	491.3323		322.918	27.7	B1	11.3
	Benzofluoranthenes	890.0005			50.1		2.25
x	Benzo(b)fluoranthene	583.367			32.9		1.13
x	Benzo(k)fluoranthene	179.2217			10.1		1.13
x	Benzo(a)pyrene	390.8808			22		1.13
x	Indeno(1,2,3-cd)pyrene	73.2813			4.13		1.13
x	Benzo(g,h,i)perylene	306.6482			17.3		1.13
	Carbazole	33.9252			1.91	J	5.63
	Benzidine	41.3937			2.33	J	5.63
	Biphenyl	16.9474			0.955	J	5.63
	Benzaldehyde	471.437			26.6		5.63
	1-Methylnaphthalene	15.6186			0.88		1.13
	Octadecane	220.0105			12.4		2.82
	Cyclohexanone	19.0469		14.857	1.07	B1	0

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6a **Sample Information**

Th Client Name	**Parametrix, Inc.**
Work Order Number	**126377**
Sample Number	**4**
QC Batch Number	**ss1343**
Client Sample ID	**0205-OS-VC-03A**
Date Received	**02-18-05**
Date Prepared	**02-21-05**
Date Analyzed	**02-25-05**
Sample matrix type	**solid**
QC sample type	**sample**

Related Blank: ss1343

Sample weight (g)	**26.7141**	=	0.02671 /kg	Calc. Fact.	0.056341685
Extract volume (ml)	**1**	=	1 ml	Dry Weight	17.74884804 g
Dilution Factor		=	1	Sample Units	ug/kg
% Solids	**66.44**	=	0.6644	Spike Factor	56.3416847
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	1
Report in PPM		=	1		
mg/kg Carbon		=	1	Blk Dil. Fact	1
				Raw Dil. Fact	1

	Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	2 - Fluorophenol	377.9662		37.8	**OK**	10	120
x	Phenol - d5	556.5384		55.7	**OK**	10	102
x	Nitrobenzene - d5	311.1217	N	31.1	**LOW**	34	146
x	2 - Fluorobiphenyl	380.6359	X9	38.1	**LOW**	35	143
x	2,4,6 - Tribromophenol	818.8395		81.9	**OK**	29	151
x	p - Terphenyl - d14	771.2491		77.1	**OK**	35	166

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Phenol	58.391		6.244	3.29	B1	2.82
x	1,4-Dichlorobenzene	5.0981			ND		2.82
x	Benzyl Alcohol	99.4395			5.6		2.82
x	2-Methylphenol	8.1391			0.459	J	2.82
x	3-&4-Methylphenol	104.7497			5.9		2.82
	Isophorone	7.9638			0.449	J	5.63
x	Benzoic Acid	917.9503		519.162	51.7	B1	33.8
x	1,2,4-Trichlorobenzene	10.8793		11.1053	0.613	J B1	2.82
x	Naphthalene	59.7765			3.37		1.13
x	2-Methylnaphthalene	33.3474			1.88		1.13
x	Acenaphthylene	23.4699			1.32		1.13
x	Acenaphthene	49.3234			2.78		1.13
	2,4-Dinitrophenol	~~863.5598~~		344.119	20.5	J B1	28.2
x	Dibenzofuran	23.7369			1.34	J	2.82
	2,4-Dinitrotoluene	~~36.6417~~			2.06	J	5.63
x	Diethylphthalate	54.392		35.8288	3.06	J B1	5.63
x	Fluorene	62.5797			3.53		1.13
x	Pentachlorophenol	28.5375			1.61	J	5.63
x	Phenanthrene	272.1398			15.3		1.13
x	Anthracene	62.606			3.53		1.13

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x	Di-n-butylphthalate	3854.236 E	1192.18	217	B1	5.63
x	Fluoranthene	592.9819		33.4		1.13
x	Pyrene	584.3127		32.9		1.13
x	Butylbenzylphthalate	204.6263	146.995	11.5	B1	11.3
x	Benzo(a)anthracene	336.6766		19		1.13
x	Chrysene	499.6734		28.2		1.13
x	bis(2-Ethylhexyl)phthalate	491.3323	322.918	27.7	B1	11.3
	Benzofluoranthenes	890.0005		50.1		2.25
x	Benzo(b)fluoranthene	583.367		32.9		1.13
x	Benzo(k)fluoranthene	179.2217		10.1		1.13
x	Benzo(a)pyrene	390.8808		22		1.13
x	Indeno(1,2,3-cd)pyrene	73.2813		4.13		1.13
x	Benzo(g,h,i)perylene	306.6482		17.3		1.13
	Carbazole	33.9252		1.91	J	5.63
	Benzidine	41.3937		2.33	J	5.63
	Biphenyl	16.9474		0.955	J	5.63
	Benzaldehyde	471.437		26.6		5.63
	1-Methylnaphthalene	15.6186		0.88		1.13
	Octadecane	220.0105		12.4		2.82
	Cyclohexanone	19.0469	14.857	1.07	B1	0

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6a **Sample Information**

Th	Client Name	**Parametrix, Inc.**
	Work Order Number	**126377**
	Sample Number	**4**
	QC Batch Number	**ss1348**
	Client Sample ID	**0205-OS-VC-03A**
	Date Received	**02-18-05**
	Date Prepared	**02-28-05**
	Date Analyzed	**03-01-05**
	Sample matrix type	**solid**
	QC sample type	**reanalys**

Related Blank: ss1348

Sample weight (g)	**25.2446**	=	0.02524 /kg	Calc. Fact.	0.059621361
Extract volume (ml)	**1**	=	1 ml	Dry Weight	16.77251224 g
Dilution Factor		=	1	Sample Units	ug/kg
% Solids	**66.44**	=	0.6644	Spike Factor	59.62136057
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	1
Report in PPM		=	1		
mg/kg Carbon		=	1	Blk Dil. Fact	1
				Raw Dil. Fact	1

	Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	2 - Fluorophenol	569.018		56.9	**OK**	10	120
x	Phenol - d5	719.1263		71.9	**OK**	10	102
x	Nitrobenzene - d5	330.8263	N	33.1	**LOW**	34	146
x	2 - Fluorobiphenyl	286.2342	N	28.6	**LOW**	35	143
x	2,4,6 - Tribromophenol	792.0871		79.2	**OK**	29	151
x	p - Terphenyl - d14	695.7979		69.6	**OK**	35	166

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Phenol	92.0034		22.5043	5.49	B1	2.98
x	Benzyl Alcohol	76.2794		43.6484	4.55	B1	2.98
x	1,2-Dichlorobenzene	5.4012			0.322	J	2.98
x	3-&4-Methylphenol	51.3983			3.06		2.98
	2-Nitrophenol	15.7778			0.941	J	2.98
x	Benzoic Acid	908.2624		427.588	54.2	B1	35.8
x	1,2,4-Trichlorobenzene	5.0808		10.3866	ND		2.98
x	Naphthalene	20.5079			1.22		1.19
x	2-Methylnaphthalene	10.7919			0.643	J	1.19
	2,4,5-Trichlorophenol	33.9385			2.02	J	2.98
x	Dimethylphthalate	19.7651			1.18	J	5.96
x	Acenaphthylene	11.7922			0.703	J	1.19
	2,6-Dinitrotoluene	29.8375			1.78	J	2.98
x	Acenaphthene	22.8002			1.36		1.19
	2,4-Dinitrophenol	345.8324			20.6	J	29.8
x	Dibenzofuran	12.5744			0.75	J	2.98
x	Diethylphthalate	61.1064		44.1818	3.64	J B1	5.96
x	Fluorene	27.4487			1.64		1.19
	4-Nitroaniline	9.2374			ND		11.9
	4,6-Dinitro-2-methylphenol	384.8748			22.9		5.96

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x	Phenanthrene	135.1895				8.06		1.19
x	Anthracene	38.0772				2.27		1.19
x	Di-n-butylphthalate	3494.3382	E	2020.2		208	B1 E	5.96
x	Fluoranthene	403.7757				24.1		1.19
x	Pyrene	360.4436				21.5		1.19
x	Butylbenzylphthalate	259.0732		183.356		15.4	B1	11.9
x	Benzo(a)anthracene	195.3038				11.6		1.19
x	Chrysene	322.0479				19.2		1.19
x	bis(2-Ethylhexyl)phthalate	474.7648		180.154		28.3	B1	11.9
x	Di-n-octylphthalate	38.6491		8.2978		2.3	J B1	11.9
	Benzofluoranthenes	568.7105				33.9		2.38
x	Benzo(b)fluoranthene	398.9207				23.8		1.19
x	Benzo(k)fluoranthene	130.1348				7.76		1.19
x	Benzo(a)pyrene	283.6208				16.9		1.19
x	Indeno(1,2,3-cd)pyrene	229.6355				13.7		1.19
x	Dibenz(a,h)anthracene	54.4835				3.25		1.19
x	Benzo(g,h,i)perylene	218.1339				13		1.19
	Carbazole	30.1654				1.8	J	5.96
	Pyridine	197.3545				11.8		5.96
	Benzidine	34.7713			ND			5.96
	Biphenyl	5.8725				0.35	J	5.96
	Acetophenone	24.8392		11.4063		1.48	J B1	5.96
	Benzaldehyde	146.9463				8.76		5.96
	Decane	11.6069				0.692		2.98
	1-Methylnaphthalene	7.764				0.463		1.19
	Octadecane	177.8288		17.0976		10.6	B2	2.98

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6a **Sample Information**

Th Client Name	**Parametrix, Inc.**
Work Order Number	**126377**
Sample Number	**4**
QC Batch Number	**ss1348**
Client Sample ID	**0205-OS-VC-03A**
Date Received	**02-18-05**
Date Prepared	**02-28-05**
Date Analyzed	**03-01-05**
Sample matrix type	**solid**
QC sample type	**dilution**

Related Blank: ss1348

Sample weight (g)	**25.2446**	=	0.02524 /kg	Calc. Fact.	0.298106803
Extract volume (ml)	**1**	=	1 ml	Dry Weight	16.77251224 g
Dilution Factor	**5**	=	5	Sample Units	ug/kg
% Solids	**66.44**	=	0.6644	Spike Factor	59.62136057
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	5
Report in PPM		=	1		
mg/kg Carbon		=	1	Blk Dil. Fact	5
				Raw Dil. Fact	5

	Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	2 - Fluorophenol	111.8565		55.9	OK	10	120
x	Phenol - d5	134.7102		67.4	OK	10	102
x	Nitrobenzene - d5	69.6271	N	34.8	LOW	34	146
x	2 - Fluorobiphenyl	62.2793	N	31.1	LOW	35	143
x	2,4,6 - Tribromophenol	187.6336		93.8	OK	29	151
x	p - Terphenyl - d14	165.2893		82.6	OK	35	166

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Phenol	17.1348		22.5043	5.11	J B1	14.9
x	3-&4-Methylphenol	26.7924			7.99	J	14.9
x	Benzoic Acid	475.6032		427.588	142	J B1	179
x	Dimethylphthalate	5.3424			ND		29.8
	2,6-Dinitrotoluene	28.0971			8.38	J	14.9
	2,4-Dinitrophenol	344.1713			103	J	149
x	Dibenzofuran	6.0038			1.79	J	14.9
x	Diethylphthalate	33.3921		44.1818	9.95	J B1	29.8
	4-Nitroaniline	14.0647			ND		59.6
x	Phenanthrene	29.2596			8.72		5.96
x	Anthracene	9.149			2.73	J	5.96
x	Di-n-butylphthalate	904.1991		2020.2	270	B1	29.8
x	Fluoranthene	94.7829			28.3		5.96
x	Pyrene	84.0667			25.1		5.96
x	Butylbenzylphthalate	112.782		183.356	33.6	J B1	59.6
x	Benzo(a)anthracene	45.0864			13.4		5.96
x	Chrysene	69.1964			20.6		5.96
x	bis(2-Ethylhexyl)phthalate	104.8274		180.154	31.2	J B1	59.6
x	Di-n-octylphthalate	7.0218		8.2978	2.09	J B1	59.6
	Benzofluoranthenes	126.9453			37.8		11.9

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x	Benzo(b)fluoranthene	91.9703			27.4		5.96
x	Benzo(k)fluoranthene	27.7778			8.28		5.96
x	Benzo(a)pyrene	56.4132			16.8		5.96
x	Indeno(1,2,3-cd)pyrene	66.749			19.9		5.96
x	Dibenz(a,h)anthracene	21.9833			6.55		5.96
x	Benzo(g,h,i)perylene	48.6194			14.5		5.96
	Carbazole	7.3939		ND			29.8
	Benzidine	12.4611		ND			29.8
	Acetophenone	9.3059	11.4063		2.77	J B1	29.8
	Benzaldehyde	32.0937			9.57	J	29.8
	Octadecane	18.9498	17.0976		5.65	J B1	14.9

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6a **Sample Information**

Th	Client Name	**Parametrix, Inc.**
	Work Order Number	**126377**
	Sample Number	**5**
	QC Batch Number	**ss1343**
	Client Sample ID	**0205-OS-VC-04**
	Date Received	**02-18-05**
	Date Prepared	**02-21-05**
	Date Analyzed	**02-25-05**
	Sample matrix type	**solid**
	QC sample type	**sample**

Related Blank: ss1343

Sample weight (g)	**25.3756**	=	0.02538 /kg	Calc. Fact.	0.056096705
Extract volume (ml)	**1**	=	1 ml	Dry Weight	17.826359 g
Dilution Factor		=	1	Sample Units	ug/kg
% Solids	**70.25**	=	0.7025	Spike Factor	56.09670489
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	1
Report in PPM		=	1		
mg/kg Carbon		=	1	Blk Dil. Fact	1
				Raw Dil. Fact	1

	Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	2 - Fluorophenol	408.149		40.8	**OK**	10	120
x	Phenol - d5	583.2008		58.3	**OK**	10	102
x	Nitrobenzene - d5	327.4618	N	32.7	**LOW**	34	146
x	2 - Fluorobiphenyl	423.2944		42.3	**OK**	35	143
x	2,4,6 - Tribromophenol	883.2612		88.3	**OK**	29	151
x	p - Terphenyl - d14	817.5358		81.8	**OK**	35	166

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Phenol	77.2908		6.244	4.34	B2	2.8
x	1,3-Dichlorobenzene	5.7451			ND		2.8
x	Benzyl Alcohol	108.4226			6.08		2.8
x	3-&4-Methylphenol	86.2051			4.84		2.8
	Isophorone	9.9483			0.558	J	5.61
x	2,4-Dimethylphenol	35.605			2		1.12
x	Benzoic Acid	1032.117		519.162	57.9	B1	33.7
x	1,2,4-Trichlorobenzene	7.3201		11.1053	0.411	J B1	2.8
x	Naphthalene	53.7311			3.01		1.12
x	2-Methylnaphthalene	34.9002			1.96		1.12
	2-Nitroaniline	25.0313			1.4		1.12
x	Dimethylphthalate	12.2436			0.687	J	5.61
x	Acenaphthylene	18.5431			1.04	J	1.12
x	Acenaphthene	100.9163			5.66		1.12
	2,4-Dinitrophenol	~~363.6701~~		344.119	20.4	J B1	28
x	Dibenzofuran	63.2549			3.55		2.8
x	Diethylphthalate	62.2663		35.8288	3.49	J B1	5.61
x	Fluorene	126.1464			7.08		1.12
x	Pentachlorophenol	28.1675			1.58	J	5.61
x	Phenanthrene	552.9434			31		1.12

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x	Anthracene	114.0133			6.4		1.12
x	Di-n-butylphthalate	3712.744	E	1192.18	208	B1 E	5.61
x	Fluoranthene	724.4611			40.6		1.12
x	Pyrene	668.4751			37.5		1.12
x	Butylbenzylphthalate	163.3717		146.995	9.16	J B1	11.2
	3,3'-Dichlorobenzidine	41.3184		28.968	2.32	J B1	11.2
x	Benzo(a)anthracene	324.437			18.2		1.12
x	Chrysene	538.2344			30.2		1.12
x	bis(2-Ethylhexyl)phthalate	547.9911		322.918	30.7	B1	11.2
	Benzofluoranthenes	803.5257			45.1		2.24
x	Benzo(b)fluoranthene	524.1617			29.4		1.12
x	Benzo(k)fluoranthene	182.1855			10.2		1.12
x	Benzo(a)pyrene	323.7553			18.2		1.12
x	Indeno(1,2,3-cd)pyrene	66.6322			3.74		1.12
x	Benzo(g,h,i)perylene	256.0705			14.4		1.12
	Carbazole	28.6245			1.61	J	5.61
	Benzidine	23.3987		ND			5.61
	Biphenyl	20.1639			1.13	J	5.61
	Acetophenone	28.1904		10.778	1.58	J B1	5.61
	Benzaldehyde	426.0523			23.9		5.61
	Decane	34.6617			1.94		2.8
	2,3,4,6-Tetrachlorophenol	51.8634			2.91		5.61
	1-Methylnaphthalene	17.9029			1		1.12
	Octadecane	208.275			11.7		2.8
	Cyclohexanone	11.2134		14.857	0.629	B1	0

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6a **Sample Information**

Th	Client Name	**Parametrix, Inc.**
	Work Order Number	**126377**
	Sample Number	**5**
	QC Batch Number	**ss1348**
	Client Sample ID	**0205-OS-VC-04**
	Date Received	**02-18-05**
	Date Prepared	**02-28-05**
	Date Analyzed	**03-01-05**
	Sample matrix type	**solid**
	QC sample type	**reanalys**

Related Blank: ss1348

Sample weight (g)	**25.551**	=	0.02555	/kg	Calc. Fact.	0.055711618
Extract volume (ml)	**1**	=	1	ml	Dry Weight	17.9495775 g
Dilution Factor		=	1		Sample Units	ug/kg
% Solids	**70.25**	=	0.7025		Spike Factor	55.71161772
GPC (Enter 2 if GPC'd)		=	1		Rept. Dil. Fact.	1
Report in PPM		=	1			
mg/kg Carbon		=	1		Blk Dil. Fact	1
					Raw Dil. Fact	1

	Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	2 - Fluorophenol	514.2987		51.4	**OK**	10	120
x	Phenol - d5	707.2784		70.7	**OK**	10	102
x	Nitrobenzene - d5	333.7015	N	33.4	**LOW**	34	146
x	2 - Fluorobiphenyl	258.9275	N	25.9	**LOW**	35	143
x	2,4,6 - Tribromophenol	752.2625		75.2	**OK**	29	151
x	p - Terphenyl - d14	672.629		67.3	**OK**	35	166

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Phenol	81.2604		22.5043	4.53	B1	2.79
x	Benzyl Alcohol	110.4237		43.6484	6.15	B1	2.79
x	3-&4-Methylphenol	51.0825			2.85		2.79
	2-Nitrophenol	14.0356			0.782	J	2.79
x	Benzoic Acid	1037.9449		427.588	57.8	B1	33.4
x	Naphthalene	23.9211			1.33		1.11
x	2-Methylnaphthalene	12.3767			0.69	J	1.11
	Hexachlorocyclopentadiene	29.9114			1.67	J	2.79
	2-Nitroaniline	30.7781			1.71		1.11
x	Dimethylphthalate	9.7313			0.542	J	5.57
x	Acenaphthylene	9.258			0.516	J	1.11
x	Acenaphthene	64.4485			3.59		1.11
	2,4-Dinitrophenol	344.8905			19.2	J	27.9
x	Dibenzofuran	26.1482			1.46	J	2.79
	2,4-Dinitrotoluene	38.0526			2.12	J	5.57
x	Diethylphthalate	78.9256		44.1818	4.4	J B1	5.57
x	Fluorene	54.7744			3.05		1.11
	4-Nitroaniline	23.7178		ND			11.1
x	Pentachlorophenol	7.4465		ND			5.57
x	Phenanthrene	255.6477			14.2		1.11

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x	Anthracene	51.3104			2.86		1.11
x	Di-n-butylphthalate	3242.4636	E	2020.2	181	B1 E	5.57
x	Fluoranthene	406.2342			22.6		1.11
x	Pyrene	365.2883			20.4		1.11
x	Butylbenzylphthalate	264.3755		183.356	14.7	B1	11.1
	3,3'-Dichlorobenzidine	37.4857			2.09	J	11.1
x	Benzo(a)anthracene	199.5052			11.1		1.11
x	Chrysene	316.7834			17.6		1.11
x	bis(2-Ethylhexyl)phthalate	632.0679		180.154	35.2	B1	11.1
x	Di-n-octylphthalate	13.9662		8.2978	0.778	J B1	11.1
	Benzofluoranthenes	487.1497			27.1		2.23
x	Benzo(b)fluoranthene	342.2795			19.1		1.11
x	Benzo(k)fluoranthene	114.0249			6.35		1.11
x	Benzo(a)pyrene	242.7228			13.5		1.11
x	Indeno(1,2,3-cd)pyrene	187.065			10.4		1.11
x	Dibenz(a,h)anthracene	49.8428			2.78		1.11
x	Benzo(g,h,i)perylene	191.369			10.7		1.11
	Carbazole	28.1796			1.57	J	5.57
	Pyridine	181.2608			10.1		5.57
	Benzidine	10.7796		ND			5.57
	Biphenyl	9.1385			0.509	J	5.57
	Acetophenone	23.2067		11.4063	1.29	J B1	5.57
	Benzaldehyde	177.1786			9.87		5.57
	Decane	26.5144			1.48		2.79
	Octadecane	742.7335		17.0976	41.4	B2	2.79
	Cyclohexanone	7.5796		8.7735	0.422	B1	0

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6a **Sample Information**

Th	Client Name	**Parametrix, Inc.**
	Work Order Number	**126377**
	Sample Number	**5**
	QC Batch Number	**ss1348**
	Client Sample ID	**0205-OS-VC-04**
	Date Received	**02-18-05**
	Date Prepared	**02-28-05**
	Date Analyzed	**03-01-05**
	Sample matrix type	**solid**
	QC sample type	**dilution**

Related Blank: ss1348

Sample weight (g)	**25.551**	=	0.02555 /kg	Calc. Fact.	0.278558089
Extract volume (ml)	**1**	=	1 ml	Dry Weight	17.9495775 g
Dilution Factor	**5**	=	5	Sample Units	ug/kg
% Solids	**70.25**	=	0.7025	Spike Factor	55.71161772
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	5
Report in PPM		=	1		
mg/kg Carbon		=	1	Blk Dil. Fact	5
				Raw Dil. Fact	5

	Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	2 - Fluorophenol	100.3461		50.2	OK	10	120
x	Phenol - d5	136.7419		68.4	OK	10	102
x	Nitrobenzene - d5	65.9841	N	33	LOW	34	146
x	2 - Fluorobiphenyl	53.2918	N	26.6	LOW	35	143
x	2,4,6 - Tribromophenol	167.0686		83.5	OK	29	151
x	p - Terphenyl - d14	156.2578		78.1	OK	35	166

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Phenol	16.1267		22.5043	4.49	J B1	13.9
x	3-&4-Methylphenol	30.4138			8.47	J	13.9
x	Benzoic Acid	504.4404		427.588	141	J B1	167
x	Naphthalene	6.3103			1.76	J	5.57
x	Acenaphthene	12.5768			3.5	J	5.57
x	Dibenzofuran	10.6228			2.96	J	13.9
	2,4-Dinitrotoluene	32.7129			9.11	J	27.9
x	Diethylphthalate	38.0562		44.1818	10.6	J B1	27.9
x	Fluorene	10.2832			2.86	J	5.57
x	Phenanthrene	52.1222			14.5		5.57
x	Anthracene	11.9718			3.33	J	5.57
x	Di-n-butylphthalate	827.5041		2020.2	231	B1	27.9
x	Fluoranthene	96.3799			26.8		5.57
x	Pyrene	84.1581			23.4		5.57
x	Butylbenzylphthalate	123.389		183.356	34.4	J B1	55.7
	3,3'-Dichlorobenzidine	27.7978			7.74	J	55.7
x	Benzo(a)anthracene	44.7946			12.5		5.57
x	Chrysene	63.6639			17.7		5.57
x	bis(2-Ethylhexyl)phthalate	137.8513		180.154	38.4	J B1	55.7
	Benzofluoranthenes	98.4706			27.4		11.1

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x	Benzo(b)fluoranthene	77.8417		21.7		5.57
x	Benzo(k)fluoranthene	22.2518		6.2		5.57
x	Benzo(a)pyrene	50.5512		14.1		5.57
x	Indeno(1,2,3-cd)pyrene	57.4206		16		5.57
x	Dibenz(a,h)anthracene	22.837		6.36		5.57
x	Benzo(g,h,i)perylene	46.5777		13		5.57
	N-nitrosodimethylamine	241.8681	233.814	67.4	B1	27.9
	Pyridine	196.0097		54.6		27.9
	Benzidine	7.6423	ND			27.9
	Acetophenone	12.1351	11.4063	3.38	J B1	27.9
	Benzaldehyde	40.3741		11.2	J	27.9
	Octadecane	170.3449	17.0976	47.5	B1	13.9

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6a **Sample Information**

Th Client Name	**Parametrix, Inc.**
Work Order Number	**126377**
Sample Number	**6**
QC Batch Number	**ss1343**
Client Sample ID	**0205-OS-VC-05**
Date Received	**02-18-05**
Date Prepared	**02-21-05**
Date Analyzed	**02-25-05**
Sample matrix type	**solid**
QC sample type	**sample**

Related Blank: ss1343

Sample weight (g)	**21.2021**	=	0.0212 /kg	Calc. Fact.	0.055241437
Extract volume (ml)	**1**	=	1 ml	Dry Weight	18.10235298 g
Dilution Factor		=	1	Sample Units	ug/kg
% Solids	**85.38**	=	0.8538	Spike Factor	55.24143746
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	1
Report in PPM		=	1		
mg/kg Carbon		=	1	Blk Dil. Fact	1
				Raw Dil. Fact	1

	Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	2 - Fluorophenol	182.2398	X9	18.2	**LOW**	10	120
x	Phenol - d5	398.6023		39.9	**OK**	10	102
x	Nitrobenzene - d5	133.4206	N	13.3	**LOW**	34	146
x	2 - Fluorobiphenyl	246.7707	X9	24.7	**LOW**	35	143
x	2,4,6 - Tribromophenol	595.0398		59.5	**OK**	29	151
x	p - Terphenyl - d14	711.011		71.1	**OK**	35	166

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Phenol	95.2403		6.244	5.26	B2	2.76
x	1,3-Dichlorobenzene	8.7316			0.482	J	2.76
x	Benzyl Alcohol	81.7939			4.52		2.76
x	3-&4-Methylphenol	35.1303			1.94	J	2.76
x	Hexachloroethane	5.6011			ND		2.76
x	Benzoic Acid	626.6809		519.162	34.6	B1	33.1
x	1,2,4-Trichlorobenzene	11.7336		11.1053	0.648	J B1	2.76
x	Naphthalene	7.6824			0.424	J	1.1
x	2-Methylnaphthalene	6.512			0.36	J	1.1
	Hexachlorocyclopentadiene	30.1083			1.66	J	2.76
	2,4,5-Trichlorophenol	~~35.7853~~			1.98	J	2.76
	2-Nitroaniline	~~21.6411~~			1.21		1.1
	2,4-Dinitrophenol	~~352.2007~~		344.119	19.5	J B1	27.6
	2,4-Dinitrotoluene	~~32.6074~~			1.8	J	5.52
x	Diethylphthalate	42.4159		35.8288	2.34	J B1	5.52
x	Phenanthrene	6.8987			0.381	J	1.1
x	Di-n-butylphthalate	2669.768		1192.18	147	B1	5.52
x	Fluoranthene	5.8075			0.321	J	1.1
x	Pyrene	6.5568			0.362	J	1.1
x	Butylbenzylphthalate	136.1403		146.995	7.52	J B1	11

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	3,3'-Dichlorobenzidine	~~28.0346~~	28.968	1.55	J B1	11
x	bis(2-Ethylhexyl)phthalate	235.5379	322.918	13	B1	11
x	Di-n-octylphthalate	~~7.7497~~		0.428	J	11
	Benzofluoranthenes	9.8827		0.546	J	2.21
	Pyridine	180.1017		9.95		5.52
	Benzidine	12.635	ND			5.52
	Benzaldehyde	48.0144		2.65	J	5.52
	Decane	29.3397		1.62		2.76
	1-Methylnaphthalene	5.9318		0.328		1.1
	Octadecane	26.9685		1.49	J	2.76
	Cyclohexanone	18.4132	14.857	1.02	B1	0

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6a **Sample Information**

Th Client Name	**Parametrix, Inc.**
Work Order Number	**126377**
Sample Number	**6**
QC Batch Number	**ss1343**
Client Sample ID	**0205-OS-VC-05**
Date Received	**02-18-05**
Date Prepared	**02-21-05**
Date Analyzed	**02-25-05**
Sample matrix type	**solid**
QC sample type	**sample**

Related Blank: ss1343

Sample weight (g)	**21.2021**	=	0.0212 /kg	Calc. Fact.	0.055241437
Extract volume (ml)	**1**	=	1 ml	Dry Weight	18.10235298 g
Dilution Factor		=	1	Sample Units	ug/kg
% Solids	**85.38**	=	0.8538	Spike Factor	55.24143746
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	1
Report in PPM		=	1		
mg/kg Carbon		=	1	Blk Dil. Fact	1
				Raw Dil. Fact	1

	Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	2 - Fluorophenol	182.2398	X9	18.2	**LOW**	10	120
x	Phenol - d5	398.6023		39.9	**OK**	10	102
x	Nitrobenzene - d5	133.4206	N	13.3	**LOW**	34	146
x	2 - Fluorobiphenyl	246.7707	X9	24.7	**LOW**	35	143
x	2,4,6 - Tribromophenol	595.0398		59.5	**OK**	29	151
x	p - Terphenyl - d14	711.011		71.1	**OK**	35	166

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Phenol	95.2403		6.244	5.26	B2	2.76
x	1,3-Dichlorobenzene	8.7316			0.482	J	2.76
x	Benzyl Alcohol	81.7939			4.52		2.76
x	3-&4-Methylphenol	35.1303			1.94	J	2.76
x	Hexachloroethane	5.6011			ND		2.76
x	Benzoic Acid	626.6809		519.162	34.6	B1	33.1
x	1,2,4-Trichlorobenzene	11.7336		11.1053	0.648	J B1	2.76
x	Naphthalene	7.6824			0.424	J	1.1
x	2-Methylnaphthalene	6.512			0.36	J	1.1
	Hexachlorocyclopentadiene	30.1083			1.66	J	2.76
x	Diethylphthalate	42.4159		35.8288	2.34	J B1	5.52
x	Phenanthrene	6.8987			0.381	J	1.1
x	Di-n-butylphthalate	2669.768		1192.18	147	B1	5.52
x	Fluoranthene	5.8075			0.321	J	1.1
x	Pyrene	6.5568			0.362	J	1.1
x	Butylbenzylphthalate	136.1403		146.995	7.52	J B1	11
x	bis(2-Ethylhexyl)phthalate	235.5379		322.918	13	B1	11
	Benzofluoranthenes	9.8827			0.546	J	2.21
	Pyridine	180.1017			9.95		5.52
	Benzidine	12.635			ND		5.52

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Benzaldehyde	48.0144		2.65	J	5.52
Decane	29.3397		1.62		2.76
1-Methylnaphthalene	5.9318		0.328		1.1
Octadecane	26.9685		1.49	J	2.76
Cyclohexanone	18.4132	14.857	1.02	B1	0

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6a **Sample Information**

Th Client Name	**Parametrix, Inc.**
Work Order Number	**126377**
Sample Number	**6**
QC Batch Number	**ss1348**
Client Sample ID	**0205-OS-VC-05**
Date Received	**02-18-05**
Date Prepared	**02-28-05**
Date Analyzed	**03-01-05**
Sample matrix type	**solid**
QC sample type	**reanalys**

Related Blank: ss1348

Sample weight (g)	**20.5439**	=	0.02054 /kg	Calc. Fact.	0.057011302
Extract volume (ml)	**1**	=	1 ml	Dry Weight	17.54038182 g
Dilution Factor		=	1	Sample Units	ug/kg
% Solids	**85.38**	=	0.8538	Spike Factor	57.01130171
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	1
Report in PPM		=	1		
mg/kg Carbon		=	1	Blk Dil. Fact	1
				Raw Dil. Fact	1

	Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	2 - Fluorophenol	629.3312		62.9	**OK**	10	120
x	Phenol - d5	815.4184		81.5	**OK**	10	102
x	Nitrobenzene - d5	362.4831	N	36.2	**LOW**	34	146
x	2 - Fluorobiphenyl	352.7887	N	35.3	**LOW**	35	143
x	2,4,6 - Tribromophenol	680.7539		68.1	**OK**	29	151
x	p - Terphenyl - d14	785.318		78.5	**OK**	35	166

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Phenol	92.1123		22.5043	5.25	B1	2.85
x	Benzyl Alcohol	78.9153		43.6484	4.5	B1	2.85
x	1,2-Dichlorobenzene	6.0933			0.347	J	2.85
x	3-&4-Methylphenol	32.8846			1.87	J	2.85
	2-Nitrophenol	13.2712			0.757	J	2.85
x	Benzoic Acid	535.0593		427.588	30.5	J B1	34.2
x	1,2,4-Trichlorobenzene	7.3828		10.3866	0.421	J B1	2.85
	2,4-Dinitrophenol	351.339			20	J	28.5
x	Dibenzofuran	5.5722			0.318	J	2.85
	2,4-Dinitrotoluene	33.1337			1.89	J	5.7
x	Diethylphthalate	52.2791		44.1818	2.98	J B1	5.7
x	Di-n-butylphthalate	3169.1366	E	2020.2	181	B1 E	5.7
x	Butylbenzylphthalate	201.7044		183.356	11.5	B1	11.4
	3,3'-Dichlorobenzidine	27.7213			1.58	J	11.4
x	bis(2-Ethylhexyl)phthalate	436.4444		180.154	24.9	B1	11.4
	Pyridine	180.2716			10.3		5.7
	Benzidine	23.4018		ND			5.7
	2,3,4,6-Tetrachlorophenol	52.6692			3		5.7
	Octadecane	12.772		17.0976	0.728	J B1	2.85
	Cyclohexanone	10.4783		8.7735	0.597	B1	0

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6a **Sample Information**

Th	Client Name	**Parametrix, Inc.**
	Work Order Number	**126377**
	Sample Number	**6**
	QC Batch Number	**ss1348**
	Client Sample ID	**0205-OS-VC-05**
	Date Received	**02-18-05**
	Date Prepared	**02-28-05**
	Date Analyzed	**03-04-05**
	Sample matrix type	**solid**
	QC sample type	**dilution**

Related Blank: ss1348

Sample weight (g)	**20.5439**	=	0.02054 /kg	Calc. Fact.	0.285056509
Extract volume (ml)	**1**	=	1 ml	Dry Weight	17.54038182 g
Dilution Factor	**5**	=	5	Sample Units	ug/kg
% Solids	**85.38**	=	0.8538	Spike Factor	57.01130171
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	5
Report in PPM		=	1		
mg/kg Carbon		=	1	Blk Dil. Fact	5
				Raw Dil. Fact	5

	Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	2 - Fluorophenol	114.0348		57	**OK**	10	120
x	Phenol - d5	144.8264		72.4	**OK**	10	102
x	Nitrobenzene - d5	67.9307	N	34	**LOW**	34	146
x	2 - Fluorobiphenyl	69.0612	N	34.5	**LOW**	35	143
x	2,4,6 - Tribromophenol	135.7174		67.9	**OK**	29	151
x	p - Terphenyl - d14	148.9442		74.5	**OK**	35	166

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Phenol	20.5763		22.5043	5.87	J B1	14.3
x	Benzoic Acid	561.8561		427.588	160	J B1	171
	2,6-Dinitrotoluene	35.0917			10	J	14.3
	2,4-Dinitrotoluene	32.9113			9.38	J	28.5
x	Diethylphthalate	26.2631		44.1818	7.49	J B1	28.5
x	Di-n-butylphthalate	601.8216		2020.2	172	B1	28.5
x	Butylbenzylphthalate	99.658		183.356	28.4	J B1	57
x	bis(2-Ethylhexyl)phthalate	92.6347		180.154	26.4	J B1	57
	Pyridine	181.5744			51.8		28.5
	Octadecane	5.542		17.0976	1.58	J B1	14.3

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6a **Sample Information**

Th	Client Name	**Parametrix, Inc.**
	Work Order Number	**126377**
	Sample Number	**7**
	QC Batch Number	**ss1343**
	Client Sample ID	**0205-OS-VC-06**
	Date Received	**02-18-05**
	Date Prepared	**02-21-05**
	Date Analyzed	**02-25-05**
	Sample matrix type	**solid**
	QC sample type	**sample**

Related Blank: ss1343

Sample weight (g)	**31.114**	=	0.03111 /kg	Calc. Fact.	0.053673802
Extract volume (ml)	**1**	=	1 ml	Dry Weight	18.6310632 g
Dilution Factor		=	1	Sample Units	ug/kg
% Solids	**59.88**	=	0.5988	Spike Factor	53.67380215
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	1
Report in PPM		=	1		
mg/kg Carbon		=	1	Blk Dil. Fact	1
				Raw Dil. Fact	1

	Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	2 - Fluorophenol	374.8676		37.5	OK	10	120
x	Phenol - d5	531.9609		53.2	OK	10	102
x	Nitrobenzene - d5	276.7229	N	27.7	LOW	34	146
x	2 - Fluorobiphenyl	379.7969	X9	38	LOW	35	143
x	2,4,6 - Tribromophenol	656.92		65.7	OK	29	151
x	p - Terphenyl - d14	624.7324		62.5	OK	35	166

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Phenol	75.9336		6.244	4.08	B2	2.68
x	1,3-Dichlorobenzene	5.3126			ND		2.68
x	Benzyl Alcohol	150.8677			8.1		2.68
x	2-Methylphenol	9.7547			0.524	J	2.68
x	3-&4-Methylphenol	132.5036			7.11		2.68
	Isophorone	14.1468			0.759	J	5.37
	2-Nitrophenol	~~20.0907~~			1.08	J	2.68
x	2,4-Dimethylphenol	~~34.67~~			1.86		1.07
x	Benzoic Acid	853.8825		519.162	45.8	B1	32.2
x	1,2,4-Trichlorobenzene	10.9976		11.1053	0.59	J B1	2.68
x	Naphthalene	54.4536			2.92		1.07
x	2-Methylnaphthalene	36.7893			1.97		1.07
	2-Chloronaphthalene	12.8839			0.692	J	1.07
	2-Nitroaniline	~~28.7637~~			1.54		1.07
x	Dimethylphthalate	7.3437			ND		5.37
x	Acenaphthylene	17.8015			0.955	J	1.07
x	Acenaphthene	37.5035			2.01		1.07
	2,4-Dinitrophenol	~~374.4292~~		344.119	19.9	J B1	26.8
x	Dibenzofuran	34.3697			1.84	J	2.68
x	Diethylphthalate	62.7722		35.8288	3.37	J B1	5.37

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x	Fluorene	66.5413			3.57		1.07
	4-Nitroaniline	5.136		ND			10.7
x	Pentachlorophenol	30.3136			1.63	J	5.37
x	Phenanthrene	218.8628			11.7		1.07
x	Anthracene	46.8695			2.52		1.07
x	Di-n-butylphthalate	3997.588	E	1192.18	215	B1 E	5.37
x	Fluoranthene	357.4511			19.2		1.07
x	Pyrene	366.0257			19.6		1.07
x	Butylbenzylphthalate	164.9332		146.995	8.85	J B1	10.7
	3,3'-Dichlorobenzidine	~~32.4881~~		28.968	1.74	J B1	10.7
x	Benzo(a)anthracene	182.6935			9.81		1.07
x	Chrysene	312.7972			16.8		1.07
x	bis(2-Ethylhexyl)phthalate	794.0503		322.918	42.6	B1	10.7
	Benzofluoranthenes	469.3048			25.2		2.15
x	Benzo(b)fluoranthene	304.8278			16.4		1.07
x	Benzo(k)fluoranthene	100.776			5.41		1.07
x	Benzo(a)pyrene	207.4965			11.1		1.07
x	Benzo(g,h,i)perylene	166.8338			8.95		1.07
	Carbazole	26.7339			1.43	J	5.37
	Biphenyl	21.2315			1.14	J	5.37
	Benzaldehyde	680.8085			36.5		5.37
	Decane	30.5636			1.64		2.68
	1-Methylnaphthalene	23.0275			1.24		1.07
	Octadecane	258.6877			13.9		2.68
	Cyclohexanone	23.4315		14.857	1.26	B1	0

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6a **Sample Information**

Th Client Name	**Parametrix, Inc.**
Work Order Number	**126377**
Sample Number	**7**
QC Batch Number	**ss1348**
Client Sample ID	**0205-OS-VC-06**
Date Received	**02-18-05**
Date Prepared	**02-28-05**
Date Analyzed	**03-01-05**
Sample matrix type	**solid**
QC sample type	**reanalys**

Related Blank: ss1348

Sample weight (g)	**31.6752**	=	0.03168 /kg	Calc. Fact.	0.052722846
Extract volume (ml)	**1**	=	1 ml	Dry Weight	18.96710976 g
Dilution Factor		=	1	Sample Units	ug/kg
% Solids	**59.88**	=	0.5988	Spike Factor	52.72284563
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	1
Report in PPM		=	1		
mg/kg Carbon		=	1	Blk Dil. Fact	1
				Raw Dil. Fact	1

	Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	2 - Fluorophenol	479.6989		48	OK	10	120
x	Phenol - d5	654.4391		65.4	OK	10	102
x	Nitrobenzene - d5	264.8697	N	26.5	LOW	34	146
x	2 - Fluorobiphenyl	258.6128	N	25.9	LOW	35	143
x	2,4,6 - Tribromophenol	853.7232		85.4	OK	29	151
x	p - Terphenyl - d14	721.0807		72.1	OK	35	166

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Phenol	98.2118		22.5043	5.18	B1	2.64
	bis(2-Chloroethyl)ether	22.6274			1.19	J	5.27
x	Benzyl Alcohol	131.5169		43.6484	6.93	B1	2.64
x	3-&4-Methylphenol	79.4874			4.19		2.64
	Isophorone	5.4169			0.286	J	5.27
x	Benzoic Acid	1156.5686		427.588	61	B1	31.6
x	Naphthalene	21.7271			1.15		1.05
x	2-Methylnaphthalene	17.5396			0.925	J	1.05
x	Dimethylphthalate	65.6596			3.46	J	5.27
x	Acenaphthylene	87.0149			4.59		1.05
x	Acenaphthene	23.9739			1.26		1.05
	2,4-Dinitrophenol	350.7315			18.5	J	26.4
x	Dibenzofuran	26.7953			1.41	J	2.64
x	Diethylphthalate	69.5872		44.1818	3.67	J B1	5.27
x	Fluorene	64.9594			3.42		1.05
	4-Nitroaniline	5.9659			ND		10.5
x	Pentachlorophenol	28.1169			1.48	J	5.27
x	Phenanthrene	317.701			16.8		1.05
x	Anthracene	213.4796			11.3		1.05
x	Di-n-butylphthalate	4155.6454	E	2020.2	219	B1 E	5.27

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x	Fluoranthene	462.9506			24.4		1.05
x	Pyrene	459.5214			24.2		1.05
x	Butylbenzylphthalate	356.2358		183.356	18.8	B1	10.5
	3,3'-Dichlorobenzidine	29.8658			1.57	J	10.5
x	Benzo(a)anthracene	918.8636			48.4		1.05
x	Chrysene	4828.7081	E		255	E	1.05
x	bis(2-Ethylhexyl)phthalate	873.8181		180.154	46.1	B1	10.5
x	Di-n-octylphthalate	19.1643		8.2978	1.01	J B1	10.5
	Benzofluoranthenes	2190.6868			115		2.11
x	Benzo(b)fluoranthene	1321.9484			69.7		1.05
x	Benzo(k)fluoranthene	559.7975			29.5		1.05
x	Benzo(a)pyrene	812.1614			42.8		1.05
x	Indeno(1,2,3-cd)pyrene	422.4704			22.3		1.05
x	Dibenz(a,h)anthracene	102.3652			5.4		1.05
x	Benzo(g,h,i)perylene	366.6215			19.3		1.05
	Carbazole	81.5928			4.3	J	5.27
	Pyridine	203.8647			10.7		5.27
	Benzidine	13.8651		ND			5.27
	Biphenyl	8.3917			0.442	J	5.27
	Benzaldehyde	287.344			15.1		5.27
	2,3-Dichloroaniline	6.718		7.4182	0.354	J B1	5.27
	Octadecane	204.2873		17.0976	10.8	B2	2.64
	Cyclohexanone	13.8118		8.7735	0.728	B1	0

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6a **Sample Information**

Th	Client Name	**Parametrix, Inc.**
	Work Order Number	**126377**
	Sample Number	**7**
	QC Batch Number	**ss1348**
	Client Sample ID	**0205-OS-VC-06**
	Date Received	**02-18-05**
	Date Prepared	**02-28-05**
	Date Analyzed	**03-01-05**
	Sample matrix type	**solid**
	QC sample type	**dilution**

Related Blank: ss1348

Sample weight (g)	**31.6752**	=	0.03168 /kg	Calc. Fact.	0.263614228
Extract volume (ml)	**1**	=	1 ml	Dry Weight	18.96710976 g
Dilution Factor	**5**	=	5	Sample Units	ug/kg
% Solids	**59.88**	=	0.5988	Spike Factor	52.72284563
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	5
Report in PPM		=	1		
mg/kg Carbon		=	1	Blk Dil. Fact	5
				Raw Dil. Fact	5

	Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	2 - Fluorophenol	97.6551		48.8	OK	10	120
x	Phenol - d5	126.6912		63.3	OK	10	102
x	Nitrobenzene - d5	54.2799	N	27.1	LOW	34	146
x	2 - Fluorobiphenyl	57.4432	N	28.7	LOW	35	143
x	2,4,6 - Tribromophenol	196.8961		98.4	OK	29	151
x	p - Terphenyl - d14	170.9245		85.5	OK	35	166

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Phenol	21.5729		22.5043	5.69	J B1	13.2
	bis(2-Chloroethyl)ether	5.1621			ND		26.4
x	3-&4-Methylphenol	35.7305			9.42	J	13.2
x	Benzoic Acid	517.796		427.588	136	J B1	158
x	Naphthalene	5.0823			1.34	J	5.27
	4-Chloroaniline	5.0732			ND		26.4
x	Dimethylphthalate	13.355			3.52	J	26.4
x	Acenaphthylene	20.7779			5.48		5.27
	2,6-Dinitrotoluene	49.9672			13.2	J	13.2
x	Acenaphthene	7.2682			1.92	J	5.27
x	Dibenzofuran	8.5474			2.25	J	13.2
x	Diethylphthalate	40.249		44.1818	10.6	J B1	26.4
x	Fluorene	15.082			3.98	J	5.27
x	Phenanthrene	68.3401			18		5.27
x	Anthracene	49.3185			13		5.27
x	Di-n-butylphthalate	1036.6258		2020.2	273	B1	26.4
x	Fluoranthene	117.4276			31		5.27
x	Pyrene	111.1826			29.3		5.27
x	Butylbenzylphthalate	130.4951		183.356	34.4	J B1	52.7
	3,3'-Dichlorobenzidine	31.0642			8.19	J	52.7

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x	Benzo(a)anthracene	199.7973		52.7		5.27
x	Chrysene	1010.3048		266		5.27
x	bis(2-Ethylhexyl)phthalate	186.3788	180.154	49.1	J B1	52.7
x	Di-n-octylphthalate	8.3679	8.2978	2.21	J B1	52.7
	Benzofluoranthenes	467.9733		123		10.5
x	Benzo(b)fluoranthene	292.3689		77.1		5.27
x	Benzo(k)fluoranthene	115.5044		30.4		5.27
x	Benzo(a)pyrene	169.8215		44.8		5.27
x	Indeno(1,2,3-cd)pyrene	104.9032		27.7		5.27
x	Dibenz(a,h)anthracene	30.627		8.07		5.27
x	Benzo(g,h,i)perylene	81.7041		21.5		5.27
	Carbazole	17.0672		4.5	J	26.4
	Pyridine	194.7863		51.3		26.4
	Benzaldehyde	61.4634		16.2	J	26.4
	Octadecane	43.6131	17.0976	11.5	J B1	13.2
	Cyclohexanone	5.1737	8.7735	1.36	B1	0

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6a **Sample Information**

Th Client Name	**Parametrix, Inc.**
Work Order Number	**126377**
Sample Number	**8**
QC Batch Number	**ss1343**
Client Sample ID	**0205-OS-VC-06Z**
Date Received	**02-18-05**
Date Prepared	**02-21-05**
Date Analyzed	**02-25-05**
Sample matrix type	**solid**
QC sample type	**sample**

Related Blank: ss1343

Sample weight (g)	**33.5044**	=	0.0335 /kg	Calc. Fact.	0.051593476
Extract volume (ml)	**1**	=	1 ml	Dry Weight	19.3822954 g
Dilution Factor		=	1	Sample Units	ug/kg
% Solids	**57.85**	=	0.5785	Spike Factor	51.59347638
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	1
Report in PPM		=	1		
mg/kg Carbon		=	1	Blk Dil. Fact	1
				Raw Dil. Fact	1

	Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	2 - Fluorophenol	401.0608		40.1	**OK**	10	120
x	Phenol - d5	568.9211		56.9	**OK**	10	102
x	Nitrobenzene - d5	301.9591	N	30.2	**LOW**	34	146
x	2 - Fluorobiphenyl	387.4881	X9	38.7	**LOW**	35	143
x	2,4,6 - Tribromophenol	758.9081		75.9	**OK**	29	151
x	p - Terphenyl - d14	701.1765		70.1	**OK**	35	166

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Phenol	67.3141		6.244	3.47	B2	2.58
x	1,4-Dichlorobenzene	6.0252			ND		2.58
x	Benzyl Alcohol	187.4708			9.67		2.58
x	1,2-Dichlorobenzene	7.3296		8.3371	0.378	J B1	2.58
x	2-Methylphenol	15.4242			0.796	J	2.58
x	3-&4-Methylphenol	169.1009			8.72		2.58
	Isophorone	~~8.382~~			0.432	J	5.16
	2-Nitrophenol	~~37.7877~~			1.95	J	2.58
x	Benzoic Acid	1174.564		519.162	60.6	B1	31
x	1,2,4-Trichlorobenzene	8.2894		11.1053	0.428	J B1	2.58
x	Naphthalene	98.1648			5.06		1.03
x	2-Methylnaphthalene	54.0511			2.79		1.03
x	Dimethylphthalate	21.0055			1.08	J	5.16
x	Acenaphthylene	35.899			1.85		1.03
x	Acenaphthene	211.1838			10.9		1.03
	2,4-Dinitrophenol	~~390.7531~~		344.119	20.2	J B1	25.8
x	Dibenzofuran	80.9315			4.18		2.58
	2,4-Dinitrotoluene	~~41.8268~~			2.16	J	5.16
x	Diethylphthalate	116.1981		35.8288	6	B1	5.16
x	Fluorene	181.4548			9.36		1.03

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	4-Nitroaniline	~~12.6798~~			ND		10.3
x	Pentachlorophenol	25.1084			1.3	J	5.16
x	Phenanthrene	886.9015			45.8		1.03
x	Anthracene	217.9279			11.2		1.03
x	Di-n-butylphthalate	4008.923	E	1192.18	207	B1 E	5.16
x	Fluoranthene	1152.946			59.5		1.03
x	Pyrene	1114.257			57.5		1.03
x	Butylbenzylphthalate	220.5411		146.995	11.4	B1	10.3
x	Benzo(a)anthracene	595.5222			30.7		1.03
x	Chrysene	685.0625			35.3		1.03
x	bis(2-Ethylhexyl)phthalate	751.7705		322.918	38.8	B1	10.3
	Benzofluoranthenes	1356.57			70		2.06
x	Benzo(b)fluoranthene	849.0738			43.8		1.03
x	Benzo(k)fluoranthene	310.9747			16		1.03
x	Benzo(a)pyrene	713.4071			36.8		1.03
x	Indeno(1,2,3-cd)pyrene	435.2817			22.5		1.03
x	Benzo(g,h,i)perylene	432.2111			22.3		1.03
	Carbazole	133.3811			6.88		5.16
	Benzidine	61.9898			3.2	J	5.16
	Biphenyl	26.2074			1.35	J	5.16
	Benzaldehyde	727.5119			37.5		5.16
	Decane	32.1891			1.66		2.58
	1-Methylnaphthalene	33.3619			1.72		1.03
	Octadecane	466.6401			24.1		2.58
	Cyclohexanone	14.6009		14.857	0.753	B1	0

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6a **Sample Information**

Th Client Name	**Parametrix, Inc.**
Work Order Number	**126377**
Sample Number	**8**
QC Batch Number	**ss1343**
Client Sample ID	**0205-OS-VC-06Z**
Date Received	**02-18-05**
Date Prepared	**02-21-05**
Date Analyzed	**03-01-05**
Sample matrix type	**solid**
QC sample type	**dilution**

Related Blank: ss1343

Sample weight (g)	**33.5044**	=	0.0335 /kg	Calc. Fact.	0.257967382
Extract volume (ml)	**1**	=	1 ml	Dry Weight	19.3822954 g
Dilution Factor	**5**	=	5	Sample Units	ug/kg
% Solids	**57.85**	=	0.5785	Spike Factor	51.59347638
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	5
Report in PPM		=	1		
mg/kg Carbon		=	1	Blk Dil. Fact	5
				Raw Dil. Fact	5

	Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	2 - Fluorophenol	101.4791		50.7	**OK**	10	120
x	Phenol - d5	147.2877		73.6	**OK**	10	102
x	Nitrobenzene - d5	84.6606		42.3	**OK**	34	146
x	2 - Fluorobiphenyl	105.334		52.7	**OK**	35	143
x	2,4,6 - Tribromophenol	215.3618		108	**OK**	29	151
x	p - Terphenyl - d14	185.4778		92.7	**OK**	35	166

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Phenol	20.2617		6.244	5.23	J B1	12.9
x	Benzyl Alcohol	56.2387			14.5		12.9
x	3-&4-Methylphenol	62.9748			16.2		12.9
	Isophorone	5.879			1.52	J	25.8
	2-Nitrophenol	8.016			2.07	J	12.9
x	Benzoic Acid	544.4375		519.162	140	J B1	155
	2,4-Dichlorophenol	15.5282			4.01	J	12.9
x	Naphthalene	28.226			7.28		5.16
x	2-Methylnaphthalene	14.9662			3.86	J	5.16
	2-Nitroaniline	~~28.7923~~			7.43		5.16
x	Dimethylphthalate	6.9082			ND		25.8
x	Acenaphthylene	12.177			3.14	J	5.16
	2,6-Dinitrotoluene	~~29.5818~~			7.63	J	12.9
x	Acenaphthene	55.2374			14.2		5.16
	2,4-Dinitrophenol	~~345.8709~~		344.119	89.2	J B1	129
x	Dibenzofuran	28.8453			7.44	J	12.9
	2,4-Dinitrotoluene	~~33.0308~~			8.52	J	25.8
x	Diethylphthalate	61.2948		35.8288	15.8	J B1	25.8
x	Fluorene	44.5714			11.5		5.16
x	Pentachlorophenol	7.9223			ND		25.8

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x	Phenanthrene	236.8522		61.1		5.16
x	Anthracene	63.0725		16.3		5.16
x	Di-n-butylphthalate	1210.9102	1192.18	312	B1	25.8
x	Fluoranthene	327.4932		84.5		5.16
x	Pyrene	314.8556		81.2		5.16
x	Butylbenzylphthalate	116.0905	146.995	29.9	J B1	51.6
	3,3'-Dichlorobenzidine	35.2067	28.968	9.08	J B1	51.6
x	Chrysene	187.0249		48.2		5.16
x	bis(2-Ethylhexyl)phthalate	221.6437	322.918	57.2	B1	51.6
x	Di-n-octylphthalate	8.2849		2.14	J	51.6
	Benzofluoranthenes	321.5156		82.9		10.3
x	Benzo(b)fluoranthene	228.0816		58.8		5.16
x	Benzo(k)fluoranthene	79.0797		20.4		5.16
x	Benzo(a)pyrene	187.5268		48.4		5.16
x	Indeno(1,2,3-cd)pyrene	147.758		38.1		5.16
x	Dibenz(a,h)anthracene	42.2655		10.9		5.16
x	Benzo(g,h,i)perylene	142.2822		36.7		5.16
	Carbazole	40.4424		10.4	J	25.8
	Biphenyl	8.9527		2.31	J	25.8
	Benzaldehyde	220.5305		56.9		25.8
	Decane	9.6961		2.5		12.9
	1-Methylnaphthalene	8.3963		2.17		5.16
	Octadecane	101.1111		26.1		12.9

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6a **Sample Information**

Th Client Name	
Work Order Number	
Sample Number	
QC Batch Number	**ss1343**
Client Sample ID	
Date Received	
Date Prepared	**02-21-05**
Date Analyzed	**02-25-05**
Sample matrix type	**solid**
QC sample type	**blank**

Related Blank: noblank

Sample weight (g)	**20**	=	0.02 /kg	Calc. Fact.	0.05
Extract volume (ml)	**1**	=	1 ml	Dry Weight	20 g
Dilution Factor		=	1	Sample Units	ug/kg
% Solids		=	1	Spike Factor	50
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	1
Report in PPM		=	1		
mg/kg Carbon		=	1	Blk Dil. Fact	1
				Raw Dil. Fact	1

	Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	2 - Fluorophenol	530.9324		53.1	**OK**	10	120
x	Phenol - d5	648.6358		64.9	**OK**	10	102
x	Nitrobenzene - d5	208.3246	N	20.8	**LOW**	34	146
x	2 - Fluorobiphenyl	537.9005		53.8	**OK**	35	143
x	2,4,6 - Tribromophenol	569.6638		57	**OK**	29	151
x	p - Terphenyl - d14	852.683		85.3	**OK**	35	166

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Phenol	6.244			0.312	J	2.5
x	1,2-Dichlorobenzene	8.3371			0.417	J	2.5
x	Hexachloroethane	5.6133			ND		2.5
x	Benzoic Acid	519.1624			26	J	30
x	1,2,4-Trichlorobenzene	11.1053			0.555	J	2.5
	4-Chloro-3-methylphenol	38.7603			1.94	J	2.5
	2,4-Dinitrophenol	344.1193			17.2	J	25
x	Diethylphthalate	35.8288			1.79	J	5
x	Di-n-butylphthalate	1192.176			59.6		5
x	Butylbenzylphthalate	146.9948			7.35	J	10
	3,3'-Dichlorobenzidine	28.968			1.45	J	10
x	bis(2-Ethylhexyl)phthalate	322.9182			16.1		10
	N-nitrosodimethylamine	234.5687			11.7		5
	Acetophenone	10.778			0.539	J	5
	Cyclohexanone	14.857			0.743		0

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6a **Sample Information**

Th Client Name	
Work Order Number	
Sample Number	
QC Batch Number	**ss1348**
Client Sample ID	
Date Received	
Date Prepared	**02-28-05**
Date Analyzed	**03-01-05**
Sample matrix type	**solid**
QC sample type	**blank**

Related Blank: noblank

Sample weight (g)	**20**	=	0.02 /kg	Calc. Fact.	0.05
Extract volume (ml)	**1**	=	1 ml	Dry Weight	20 g
Dilution Factor		=	1	Sample Units	ug/kg
% Solids		=	1	Spike Factor	50
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	1
Report in PPM		=	1		
mg/kg Carbon		=	1	Blk Dil. Fact	1
				Raw Dil. Fact	1

	Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	2 - Fluorophenol	580.9339		58.1	**OK**	10	120
x	Phenol - d5	804.827		80.5	**OK**	10	102
x	Nitrobenzene - d5	64.4624	N	6.45	**LOW**	34	146
x	2 - Fluorobiphenyl	406.6538	N	40.7	**LOW**	35	143
x	2,4,6 - Tribromophenol	754.2487		75.4	**OK**	29	151
x	p - Terphenyl - d14	836.9303		83.7	**OK**	35	166

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Phenol	22.5043			1.13	J	2.5
x	1,3-Dichlorobenzene	6.6855			ND		2.5
x	Benzyl Alcohol	43.6484			2.18	J	2.5
x	Benzoic Acid	427.5878			21.4	J	30
x	1,2,4-Trichlorobenzene	10.3866			0.519	J	2.5
	4-Chloro-3-methylphenol	39.3362			1.97	J	2.5
x	Diethylphthalate	44.1818			2.21	J	5
x	Di-n-butylphthalate	2020.202			101		5
x	Butylbenzylphthalate	183.3563			9.17	J	10
x	bis(2-Ethylhexyl)phthalate	180.1537			9.01	J	10
x	Di-n-octylphthalate	8.2978			0.415	J	10
	N-nitrosodimethylamine	233.8137			11.7		5
	Benzidine	15.5585			ND		5
	Acetophenone	11.4063			0.57	J	5
	2,3-Dichloroaniline	7.4182			0.371	J	5
	Octadecane	17.0976			0.855	J	2.5
	Cyclohexanone	8.7735			0.439		0

STL Seattle

6a **Sample Information**

Th Client Name	
Work Order Number	
Sample Number	Related Blank: ss1343
QC Batch Number	**ss1343**
Client Sample ID	
Date Received	
Date Prepared	**02-21-05**
Date Analyzed	**02-25-05**
Sample matrix type	**solid**
QC sample type	**bs**

Sample weight (g)	**20**	=	0.02 /kg	Calc. Fact.	0.05
Extract volume (ml)	**1**	=	1 ml	Dry Weight	20 g
Dilution Factor		=	1	Sample Units	ug/kg
% Solids		=	1	Spike Factor	50
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	1
Report in PPM		=	1		
mg/kg Carbon		=	1	Blk Dil. Fact	1
				Raw Dil. Fact	1

	Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	2 - Fluorophenol	570.2099		57	**OK**	10	120
x	Phenol - d5	708.8359		70.9	**OK**	10	102
x	Nitrobenzene - d5	178.0287	N	17.8	**LOW**	34	146
x	2 - Fluorobiphenyl	509.6192		51	**OK**	35	143
x	2,4,6 - Tribromophenol	853.6121		85.4	**OK**	29	151
x	p - Terphenyl - d14	975.2764		97.5	**OK**	35	166

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Phenol	926.0996		6.244	46.3	B2	2.5
	bis(2-Chloroethyl)ether	723.4783			36.2		5
	2-Chlorophenol	886.0517			44.3		2.5
x	1,3-Dichlorobenzene	610.5603			30.5		2.5
x	1,4-Dichlorobenzene	624.9971			31.2		2.5
x	Benzyl Alcohol	858.6774			42.9		2.5
x	1,2-Dichlorobenzene	647.3246		8.3371	32.4	B2	2.5
x	2-Methylphenol	915.6898			45.8		2.5
	bis(2-Chloroisopropyl)ether	727.1354			36.4		12.5
x	3-&4-Methylphenol	885.2021			44.3		2.5
	N-nitroso-di-n-propylamine	859.1111			43		2.5
x	Hexachloroethane	617.3166			30.9		2.5
	Nitrobenzene	800.6948			40		5
	Isophorone	692.4374			34.6		5
	2-Nitrophenol	968.4662			48.4		2.5
x	2,4-Dimethylphenol	848.9195			42.4		1
	bis(2-Chloroethoxy)methane	876.8098			43.8		5
	2,4-Dichlorophenol	989.5682			49.5		2.5
x	1,2,4-Trichlorobenzene	788.7767		11.1053	39.4	B2	2.5
x	Naphthalene	808.4252			40.4		1

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	4-Chloroaniline	958.0236		47.9		5
x	Hexachlorobutadiene	743.1903		37.2		2.5
	4-Chloro-3-methylphenol	864.3335	38.7603	43.2	B2	2.5
x	2-Methylnaphthalene	903.2003		45.2		1
	Hexachlorocyclopentadiene	451.5099		22.6		2.5
	2,4,6-Trichlorophenol	1005.177		50.3		2.5
	2,4,5-Trichlorophenol	842.8102		42.1		2.5
	2-Chloronaphthalene	891.7353		44.6		1
	2-Nitroaniline	876.3567		43.8		1
x	Dimethylphthalate	946.7891		47.3		5
x	Acenaphthylene	885.0824		44.3		1
	2,6-Dinitrotoluene	929.1494		46.5		2.5
	3-Nitroaniline	3701.218		185		5
x	Acenaphthene	913.2106		45.7		1
	2,4-Dinitrophenol	1281.414	344.119	64.1	B1	25
	4-Nitrophenol	3824.479		191		25
x	Dibenzofuran	919.1627		46		2.5
	2,4-Dinitrotoluene	902.5547		45.1		5
x	Diethylphthalate	937.0488	35.8288	46.9	B2	5
	4-Chlorophenylphenylether	947.1174		47.4		5
x	Fluorene	947.4272		47.4		1
	4-Nitroaniline	930.6772		46.5		10
	4,6-Dinitro-2-methylphenol	3988.233		199		5
x	N-Nitrosodiphenylamine	1070.352		53.5		1
	4-Bromophenylphenylether	1004.335		50.2		5
x	Hexachlorobenzene	908.4303		45.4		1
x	Pentachlorophenol	381.0903		19.1		5
x	Phenanthrene	934.1204		46.7		1
x	Anthracene	974.4403		48.7		1
x	Di-n-butylphthalate	2304.727	1192.18	115	B1	5
x	Fluoranthene	1021.647		51.1		1
x	Pyrene	1034.588		51.7		1
x	Butylbenzylphthalate	1053.526	146.995	52.7	B1	10
	3,3'-Dichlorobenzidine	2134.262	28.968	107	B2	10
x	Benzo(a)anthracene	1015.242		50.8		1
x	Chrysene	934.4839		46.7		1
x	bis(2-Ethylhexyl)phthalate	1283.399	322.918	64.2	B1	10
x	Di-n-octylphthalate	1143.529		57.2		10
	Benzofluoranthenes	2093.536		105		2
x	Benzo(b)fluoranthene	929.7526		46.5		1
x	Benzo(k)fluoranthene	1055.121		52.8		1
x	Benzo(a)pyrene	1070.024		53.5		1
x	Indeno(1,2,3-cd)pyrene	952.8502		47.6		1
x	Dibenz(a,h)anthracene	939.6197		47		1
x	Benzo(g,h,i)perylene	1045.983		52.3		1
	Carbazole	1092.54		54.6		5
	N-nitrosodimethylamine	2519.037	234.569	126	B2	5
	Pyridine	2247.685		112		5
	Benzidine	158.2525		7.91		5
	Aniline	665.5933		33.3		5
	Azobenzene	929.7375		46.5		5

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Biphenyl	916.5276		45.8		5
Acetophenone	801.6493	10.778	40.1	B2	5
Benzaldehyde	73.6065		3.68	J	5
Decane	414.0622		20.7		2.5
2,3,4,6-Tetrachlorophenol	730.4282		36.5		5
2,3,5,6-Tetrachlorophenol	869.8221		43.5		5
1-Methylnaphthalene	907.0543		45.4		1
2,3-Dichloroaniline	940.5109		47		5
Octadecane	1112.783		55.6		2.5
Cyclohexanone	7.8862	14.857	0.394	B1	0

STL Seattle

6a **Sample Information**

Th Client Name	
Work Order Number	
Sample Number	
QC Batch Number	**ss1343**
Client Sample ID	
Date Received	
Date Prepared	**02-21-05**
Date Analyzed	**02-25-05**
Sample matrix type	**solid**
QC sample type	**bsd**

Related Blank: ss1343

Sample weight (g)	**20**	=	0.02 /kg	Calc. Fact.	0.05
Extract volume (ml)	**1**	=	1 ml	Dry Weight	20 g
Dilution Factor		=	1	Sample Units	ug/kg
% Solids		=	1	Spike Factor	50
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	1
Report in PPM		=	1		
mg/kg Carbon		=	1	Blk Dil. Fact	1
				Raw Dil. Fact	1

	Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	2 - Fluorophenol	679.4126		67.9	**OK**	10	120
x	Phenol - d5	788.1586		78.8	**OK**	10	102
x	Nitrobenzene - d5	371.8044	N	37.2	**LOW**	34	146
x	2 - Fluorobiphenyl	629.5668		63	**OK**	35	143
x	2,4,6 - Tribromophenol	805.3691		80.5	**OK**	29	151
x	p - Terphenyl - d14	859.4335		85.9	**OK**	35	166

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Phenol	970.4581		6.244	48.5	B2	2.5
	bis(2-Chloroethyl)ether	692.27			34.6		5
	2-Chlorophenol	898.1885			44.9		2.5
x	1,3-Dichlorobenzene	563.3719			28.2		2.5
x	1,4-Dichlorobenzene	582.6095			29.1		2.5
x	Benzyl Alcohol	895.756			44.8		2.5
x	1,2-Dichlorobenzene	602.9421		8.3371	30.1	B2	2.5
x	2-Methylphenol	959.5722			48		2.5
	bis(2-Chloroisopropyl)ether	710.2198			35.5		12.5
x	3-&4-Methylphenol	900.8857			45		2.5
	N-nitroso-di-n-propylamine	855.8919			42.8		2.5
x	Hexachloroethane	545.4717			27.3		2.5
	Nitrobenzene	842.7276			42.1		5
	Isophorone	675.2907			33.8		5
	2-Nitrophenol	1009.086			50.5		2.5
x	2,4-Dimethylphenol	942.7755			47.1		1
	bis(2-Chloroethoxy)methane	902.8573			45.1		5
	2,4-Dichlorophenol	1016.329			50.8		2.5
x	1,2,4-Trichlorobenzene	779.9601		11.1053	39	B2	2.5
x	Naphthalene	821.5316			41.1		1

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	4-Chloroaniline	1030.858		51.5		5
x	Hexachlorobutadiene	730.3165		36.5		2.5
	4-Chloro-3-methylphenol	895.1544	38.7603	44.8	B2	2.5
x	2-Methylnaphthalene	901.7363		45.1		1
	Hexachlorocyclopentadiene	472.173		23.6		2.5
	2,4,6-Trichlorophenol	1024.789		51.2		2.5
	2,4,5-Trichlorophenol	877.358		43.9		2.5
	2-Chloronaphthalene	914.1312		45.7		1
	2-Nitroaniline	934.9619		46.7		1
x	Dimethylphthalate	955.3412		47.8		5
x	Acenaphthylene	886.1215		44.3		1
	2,6-Dinitrotoluene	917.0561		45.9		2.5
	3-Nitroaniline	3864.241		193		5
x	Acenaphthene	903.169		45.2		1
	2,4-Dinitrophenol	1022.41	344.119	51.1	B1	25
	4-Nitrophenol	3761.784		188		25
x	Dibenzofuran	915.7461		45.8		2.5
	2,4-Dinitrotoluene	898.5492		44.9		5
x	Diethylphthalate	935.9904	35.8288	46.8	B2	5
	4-Chlorophenylphenylether	919.1038		46		5
x	Fluorene	963.6077		48.2		1
	4-Nitroaniline	972.1526		48.6		10
	4,6-Dinitro-2-methylphenol	3495.976		175		5
x	N-Nitrosodiphenylamine	1048.783		52.4		1
	4-Bromophenylphenylether	963.2272		48.2		5
x	Hexachlorobenzene	888.4252		44.4		1
x	Pentachlorophenol	319.3174		16		5
x	Phenanthrene	884.1945		44.2		1
x	Anthracene	931.3853		46.6		1
x	Di-n-butylphthalate	2230.241	1192.18	112	B1	5
x	Fluoranthene	961.2151		48.1		1
x	Pyrene	965.8368		48.3		1
x	Butylbenzylphthalate	1071.55	146.995	53.6	B1	10
	3,3'-Dichlorobenzidine	2050.941	28.968	103	B2	10
x	Benzo(a)anthracene	967.408		48.4		1
x	Chrysene	883.9733		44.2		1
x	bis(2-Ethylhexyl)phthalate	1287.59	322.918	64.4	B1	10
x	Di-n-octylphthalate	1066.827		53.3		10
	Benzofluoranthenes	2002.863		100		2
x	Benzo(b)fluoranthene	892.4623		44.6		1
x	Benzo(k)fluoranthene	1005.136		50.3		1
x	Benzo(a)pyrene	1025.872		51.3		1
x	Indeno(1,2,3-cd)pyrene	911.0439		45.6		1
x	Dibenz(a,h)anthracene	893.2618		44.7		1
x	Benzo(g,h,i)perylene	1004.444		50.2		1
	Carbazole	1063.145		53.2		5
	N-nitrosodimethylamine	2390.067	234.569	120	B2	5
	Pyridine	2046.287		102		5
	Benzidine	126.6249		6.33		5
	Aniline	685.0597		34.3		5
	Azobenzene	886.1597		44.3		5

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Biphenyl	928.3748		46.4		5
Acetophenone	813.9994	10.778	40.7	B2	5
Benzaldehyde	66.1204		3.31	J	5
Decane	392.1203		19.6		2.5
2,3,4,6-Tetrachlorophenol	718.651		35.9		5
2,3,5,6-Tetrachlorophenol	861.2454		43.1		5
1-Methylnaphthalene	904.6696		45.2		1
2,3-Dichloroaniline	945.3345		47.3		5
Octadecane	1057.098		52.9		2.5
Cyclohexanone	9.407	14.857	0.47	B1	0

STL Seattle

6a **Sample Information**

Th Client Name	
Work Order Number	
Sample Number	
QC Batch Number	**ss1348**
Client Sample ID	
Date Received	
Date Prepared	**02-28-05**
Date Analyzed	**03-01-05**
Sample matrix type	**solid**
QC sample type	**bs**

Related Blank: ss1348

Sample weight (g)	**20**	=	0.02 /kg	Calc. Fact.	0.05
Extract volume (ml)	**1**	=	1 ml	Dry Weight	20 g
Dilution Factor		=	1	Sample Units	ug/kg
% Solids		=	1	Spike Factor	50
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	1
Report in PPM		=	1		
mg/kg Carbon		=	1	Blk Dil. Fact	1
				Raw Dil. Fact	1

	Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	2 - Fluorophenol	395.8238		39.6	**OK**	10	120
x	Phenol - d5	579.9181		58	**OK**	10	102
x	Nitrobenzene - d5	123.8195	N	12.4	**LOW**	34	146
x	2 - Fluorobiphenyl	311.0053	N	31.1	**LOW**	35	143
x	2,4,6 - Tribromophenol	764.2127		76.4	**OK**	29	151
x	p - Terphenyl - d14	783.4862		78.3	**OK**	35	166

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Phenol	938.8966		22.5043	46.9	B2	2.5
	bis(2-Chloroethyl)ether	575.0523			28.8		5
	2-Chlorophenol	863.8297			43.2		2.5
x	1,3-Dichlorobenzene	263.1051			13.2		2.5
x	1,4-Dichlorobenzene	310.3222			15.5		2.5
x	Benzyl Alcohol	890.454		43.6484	44.5	B2	2.5
x	1,2-Dichlorobenzene	366.4395			18.3		2.5
x	2-Methylphenol	935.4664			46.8		2.5
	bis(2-Chloroisopropyl)ether	591.4119			29.6		12.5
x	3-&4-Methylphenol	895.2167			44.8		2.5
x	Hexachloroethane	288.669			14.4		2.5
	Nitrobenzene	770.6025			38.5		5
	Isophorone	613.4176			30.7		5
	2-Nitrophenol	1014.503			50.7		2.5
x	2,4-Dimethylphenol	961.9109			48.1		1
x	Benzoic Acid	696.1761		427.588	34.8	B1	30
	bis(2-Chloroethoxy)methane	879.5969			44		5
	2,4-Dichlorophenol	992.8122			49.6		2.5
x	1,2,4-Trichlorobenzene	682.5131		10.3866	34.1	B2	2.5
x	Naphthalene	721.5063			36.1		1

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	4-Chloroaniline	813.2703		40.7		5
x	Hexachlorobutadiene	572.4549		28.6		2.5
	4-Chloro-3-methylphenol	839.5893	39.3362	42	B2	2.5
x	2-Methylnaphthalene	816.982		40.8		1
	Hexachlorocyclopentadiene	415.106		20.8		2.5
	2,4,6-Trichlorophenol	1012.497		50.6		2.5
	2,4,5-Trichlorophenol	839.0096		42		2.5
	2-Chloronaphthalene	850.9304		42.5		1
	2-Nitroaniline	926.7627		46.3		1
x	Dimethylphthalate	875.3567		43.8		5
x	Acenaphthylene	811.2499		40.6		1
	2,6-Dinitrotoluene	848.9697		42.4		2.5
	3-Nitroaniline	3137.041		157		5
x	Acenaphthene	835.7422		41.8		1
	2,4-Dinitrophenol	2954.618		148		25
	4-Nitrophenol	4372.234		219		25
x	Dibenzofuran	874.6622		43.7		2.5
	2,4-Dinitrotoluene	855.224		42.8		5
x	Diethylphthalate	851.2608	44.1818	42.6	B2	5
	4-Chlorophenylphenylether	882.5557		44.1		5
x	Fluorene	876.2987		43.8		1
	4-Nitroaniline	765.6589		38.3		10
	4,6-Dinitro-2-methylphenol	3938.483		197		5
x	N-Nitrosodiphenylamine	1018.374		50.9		1
	4-Bromophenylphenylether	903.4627		45.2		5
x	Hexachlorobenzene	826.5009		41.3		1
x	Pentachlorophenol	635.5066		31.8		5
x	Phenanthrene	827.9098		41.4		1
x	Anthracene	877.7295		43.9		1
x	Di-n-butylphthalate	2062.039	2020.2	103	B1	5
x	Fluoranthene	873.3556		43.7		1
x	Pyrene	867.0886		43.4		1
x	Butylbenzylphthalate	1024.92	183.356	51.2	B1	10
	3,3'-Dichlorobenzidine	1827.19		91.4		10
x	Benzo(a)anthracene	923.5012		46.2		1
x	Chrysene	848.272		42.4		1
x	bis(2-Ethylhexyl)phthalate	1183.926	180.154	59.2	B1	10
x	Di-n-octylphthalate	39.3471	8.2978	1.97	J B1	10
	Benzofluoranthenes	1879.73		94		2
x	Benzo(b)fluoranthene	862.7547		43.1		1
x	Benzo(k)fluoranthene	926.308		46.3		1
x	Benzo(a)pyrene	960.9256		48		1
x	Indeno(1,2,3-cd)pyrene	904.0888		45.2		1
x	Dibenz(a,h)anthracene	863.8635		43.2		1
x	Benzo(g,h,i)perylene	955.3237		47.8		1
	Carbazole	927.4549		46.4		5
	Benzidine	25.3778	ND			5
	Aniline	566.9461		28.3		5
	Azobenzene	891.9138		44.6		5
	Biphenyl	881.0018		44.1		5
	Acetophenone	790.2966	11.4063	39.5	B2	5
	Benzaldehyde	37.2853		1.86	J	5

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Decane	105.8155		5.29		2.5
2,3,4,6-Tetrachlorophenol	793.8488		39.7		5
2,3,5,6-Tetrachlorophenol	870.352		43.5		5
1-Methylnaphthalene	806.7929		40.3		1
2,3-Dichloroaniline	897.0577	7.4182	44.9	B2	5
Octadecane	1011.052	17.0976	50.6	B2	2.5

STL Seattle

6a **Sample Information**

Th Client Name	
Work Order Number	
Sample Number	
QC Batch Number	**ss1348**
Client Sample ID	
Date Received	
Date Prepared	**02-28-05**
Date Analyzed	**03-01-05**
Sample matrix type	**solid**
QC sample type	**bsd**

Related Blank: ss1348

Sample weight (g)	**20**	=	0.02 /kg	Calc. Fact.	0.05
Extract volume (ml)	**1**	=	1 ml	Dry Weight	20 g
Dilution Factor		=	1	Sample Units	ug/kg
% Solids		=	1	Spike Factor	50
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	1
Report in PPM		=	1		
mg/kg Carbon		=	1	Blk Dil. Fact	1
				Raw Dil. Fact	1

	Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	2 - Fluorophenol	687.0201		68.7	**OK**	10	120
x	Phenol - d5	875.3614		87.5	**OK**	10	102
x	Nitrobenzene - d5	280.9064	N	28.1	**LOW**	34	146
x	2 - Fluorobiphenyl	584.0505		58.4	**OK**	35	143
x	2,4,6 - Tribromophenol	820.1953		82	**OK**	29	151
x	p - Terphenyl - d14	841.8322		84.2	**OK**	35	166

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Phenol	1061.066		22.5043	53.1	B2	2.5
	bis(2-Chloroethyl)ether	655.5908			32.8		5
	2-Chlorophenol	972.6642			48.6		2.5
x	1,3-Dichlorobenzene	345.3326			17.3		2.5
x	1,4-Dichlorobenzene	393.1368			19.7		2.5
x	Benzyl Alcohol	991.9794		43.6484	49.6	B2	2.5
x	1,2-Dichlorobenzene	455.9347			22.8		2.5
x	2-Methylphenol	1013.726			50.7		2.5
	bis(2-Chloroisopropyl)ether	670.853			33.5		12.5
x	3-&4-Methylphenol	984.0187			49.2		2.5
x	Hexachloroethane	350.705			17.5		2.5
	Nitrobenzene	881.711			44.1		5
	Isophorone	666.0432			33.3		5
	2-Nitrophenol	1141.008			57.1		2.5
x	2,4-Dimethylphenol	1026.05			51.3		1
x	Benzoic Acid	620.109		427.588	31	B1	30
	bis(2-Chloroethoxy)methane	940.0248			47		5
	2,4-Dichlorophenol	1102.976			55.1		2.5
x	1,2,4-Trichlorobenzene	755.4034		10.3866	37.8	B2	2.5
x	Naphthalene	806.0533			40.3		1

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	4-Chloroaniline	828.2257		41.4		5
x	Hexachlorobutadiene	660.8462		33		2.5
	4-Chloro-3-methylphenol	923.5593	39.3362	46.2	B2	2.5
x	2-Methylnaphthalene	890.2472		44.5		1
	Hexachlorocyclopentadiene	484.7591		24.2		2.5
	2,4,6-Trichlorophenol	1120.145		56		2.5
	2,4,5-Trichlorophenol	928.5842		46.4		2.5
	2-Chloronaphthalene	936.4399		46.8		1
	2-Nitroaniline	1029.335		51.5		1
x	Dimethylphthalate	940.5692		47		5
x	Acenaphthylene	879.0428		44		1
	2,6-Dinitrotoluene	951.2969		47.6		2.5
	3-Nitroaniline	2909.938		145		5
x	Acenaphthene	902.9949		45.1		1
	2,4-Dinitrophenol	2484.027		124		25
	4-Nitrophenol	5019.822		251		25
x	Dibenzofuran	948.599		47.4		2.5
	2,4-Dinitrotoluene	922.0071		46.1		5
x	Diethylphthalate	908.0261	44.1818	45.4	B2	5
	4-Chlorophenylphenylether	947.9263		47.4		5
x	Fluorene	964.8214		48.2		1
	4-Nitroaniline	828.8398		41.4		10
	4,6-Dinitro-2-methylphenol	4314.66		216		5
x	N-Nitrosodiphenylamine	1082.576		54.1		1
	4-Bromophenylphenylether	968.8212		48.4		5
x	Hexachlorobenzene	853.6229		42.7		1
x	Pentachlorophenol	642.6542		32.1		5
x	Phenanthrene	890.9715		44.5		1
x	Anthracene	948.5891		47.4		1
x	Di-n-butylphthalate	2504.823	2020.2	125	B1	5
x	Fluoranthene	934.4247		46.7		1
x	Pyrene	923.6138		46.2		1
x	Butylbenzylphthalate	1005.535	183.356	50.3	B1	10
	3,3'-Dichlorobenzidine	1835.895		91.8		10
x	Benzo(a)anthracene	964.706		48.2		1
x	Chrysene	867.616		43.4		1
x	bis(2-Ethylhexyl)phthalate	1150.917	180.154	57.5	B1	10
x	Di-n-octylphthalate	37.5157	8.2978	1.88	J B1	10
	Benzofluoranthenes	1960.753		98		2
x	Benzo(b)fluoranthene	901.5		45.1		1
x	Benzo(k)fluoranthene	962.4303		48.1		1
x	Benzo(a)pyrene	990.0485		49.5		1
x	Indeno(1,2,3-cd)pyrene	934.7196		46.7		1
x	Dibenz(a,h)anthracene	897.3934		44.9		1
x	Benzo(g,h,i)perylene	981.9523		49.1		1
	Carbazole	912.0451		45.6		5
	Pyridine	186.7277		9.34		5
	Benzidine	37.6919		1.88	J	5
	Aniline	615.3942		30.8		5
	Azobenzene	951.9625		47.6		5
	Biphenyl	950.4469		47.5		5
	Acetophenone	848.8089	11.4063	42.4	B2	5

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Decane	159.9263		8		2.5
2,3,4,6-Tetrachlorophenol	879.1879		44		5
2,3,5,6-Tetrachlorophenol	947.2771		47.4		5
1-Methylnaphthalene	887.5553		44.4		1
2,3-Dichloroaniline	980.306	7.4182	49	B2	5
Octadecane	1060.18	17.0976	53	B2	2.5
Cyclohexanone	6.271	8.7735	0.314	B1	0

STL Seattle

6a **Sample Information**

Th Client Name	**Parametrix, Inc.**	
Work Order Number	**126377**	
Sample Number	**6**	Related Blank: ss1343
QC Batch Number	**ss1343**	
Client Sample ID	**0205-OS-VC-05**	
Date Received	**02-18-05**	
Date Prepared	**02-21-05**	
Date Analyzed	**02-25-05**	
Sample matrix type	**solid**	
QC sample type	**ms**	

Sample weight (g)	**20.5677**	=	0.02057 /kg	Calc. Fact.	0.056945331
Extract volume (ml)	**1**	=	1 ml	Dry Weight	17.56070226 g
Dilution Factor		=	1	Sample Units	ug/kg
% Solids	**85.38**	=	0.8538	Spike Factor	56.94533084
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	1
Report in PPM		=	1		
mg/kg Carbon		=	1	Blk Dil. Fact	1
				Raw Dil. Fact	1

	Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	2 - Fluorophenol	295.5184	X9	29.6	**LOW**	10	120
x	Phenol - d5	561.3879		56.1	**OK**	10	102
x	Nitrobenzene - d5	247.8317	N	24.8	**LOW**	34	146
x	2 - Fluorobiphenyl	362.4495	X9	36.2	**LOW**	35	143
x	2,4,6 - Tribromophenol	739.6738		74	**OK**	29	151
x	p - Terphenyl - d14	769.0456		76.9	**OK**	35	166

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Phenol	710.3903		6.244	40.5	B2	2.85
	bis(2-Chloroethyl)ether	162.8728			9.27		5.69
	2-Chlorophenol	287.316			16.4		2.85
x	1,3-Dichlorobenzene	38.5497			2.2	J	2.85
x	1,4-Dichlorobenzene	37.5431			2.14	J	2.85
x	Benzyl Alcohol	770.3159			43.9		2.85
x	1,2-Dichlorobenzene	51.4595		8.3371	2.93	B1	2.85
x	2-Methylphenol	484.3058			27.6		2.85
	bis(2-Chloroisopropyl)ether	139.2125			7.93	J	14.2
x	3-&4-Methylphenol	602.9811			34.3		2.85
	N-nitroso-di-n-propylamine	674.701			38.4		2.85
x	Hexachloroethane	35.9004			2.04	J	2.85
	Nitrobenzene	257.8478			14.7		5.69
	Isophorone	596.6679			34		5.69
	2-Nitrophenol	487.0873			27.7		2.85
x	2,4-Dimethylphenol	326.381			18.6		1.14
x	Benzoic Acid	1830.776		519.162	104	B1	34.2
	bis(2-Chloroethoxy)methane	610.4397			34.8		5.69
	2,4-Dichlorophenol	742.8399			42.3		2.85
x	1,2,4-Trichlorobenzene	116.3389		11.1053	6.62	B2	2.85

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x	Naphthalene	170.8915		9.73		1.14
	4-Chloroaniline	232.078		13.2		5.69
x	Hexachlorobutadiene	63.0837		3.59		2.85
	4-Chloro-3-methylphenol	800.6822	38.7603	45.6	B2	2.85
x	2-Methylnaphthalene	442.4671		25.2		1.14
	Hexachlorocyclopentadiene	117.137		6.67		2.85
	2,4,6-Trichlorophenol	967.4803		55.1		2.85
	2,4,5-Trichlorophenol	805.3608		45.9		2.85
	2-Chloronaphthalene	610.4196		34.8		1.14
	2-Nitroaniline	871.9679		49.7		1.14
x	Dimethylphthalate	875.994		49.9		5.69
x	Acenaphthylene	721.8528		41.1		1.14
	2,6-Dinitrotoluene	877.5384		50		2.85
	3-Nitroaniline	433.3816		24.7		5.69
x	Acenaphthene	750.391		42.7		1.14
	4-Nitrophenol	3530.198		201		28.5
x	Dibenzofuran	791.4745		45.1		2.85
	2,4-Dinitrotoluene	826.7545		47.1		5.69
x	Diethylphthalate	835.6752	35.8288	47.6	B2	5.69
	4-Chlorophenylphenylether	830.7325		47.3		5.69
x	Fluorene	857.8162		48.8		1.14
	4-Nitroaniline	316.8205		18		11.4
	4,6-Dinitro-2-methylphenol	3454.838		197		5.69
x	N-Nitrosodiphenylamine	894.9093		51		1.14
	4-Bromophenylphenylether	846.0817		48.2		5.69
x	Hexachlorobenzene	783.2728		44.6		1.14
x	Pentachlorophenol	742.2041		42.3		5.69
x	Phenanthrene	805.849		45.9		1.14
x	Anthracene	834.5755		47.5		1.14
x	Di-n-butylphthalate	3503.099	1192.18	199	B1	5.69
x	Fluoranthene	862.4455		49.1		1.14
x	Pyrene	864.9078		49.3		1.14
x	Butylbenzylphthalate	970.4949	146.995	55.3	B1	11.4
	3,3'-Dichlorobenzidine	316.2437	28.968	18	B2	11.4
x	Benzo(a)anthracene	883.8931		50.3		1.14
x	Chrysene	815.6314		46.4		1.14
x	bis(2-Ethylhexyl)phthalate	1302.455	322.918	74.2	B1	11.4
x	Di-n-octylphthalate	1020.824		58.1		11.4
	Benzofluoranthenes	1759.739		100		2.28
x	Benzo(b)fluoranthene	775.802		44.2		1.14
x	Benzo(k)fluoranthene	894.0277		50.9		1.14
x	Benzo(a)pyrene	883.4145		50.3		1.14
x	Indeno(1,2,3-cd)pyrene	856.0591		48.7		1.14
x	Dibenz(a,h)anthracene	822.3893		46.8		1.14
x	Benzo(g,h,i)perylene	914.9789		52.1		1.14
	Carbazole	948.4911		54		5.69
	N-nitrosodimethylamine	1618.863	234.569	92.2	B1	5.69
	Pyridine	1217.856		69.4		5.69
	Benzidine	25.7868	ND			5.69
	Aniline	101.5755		5.78		5.69
	Azobenzene	820.1032		46.7		5.69

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Biphenyl	650.4407		37		5.69
Acetophenone	430.1097	10.778	24.5	B2	5.69
Benzaldehyde	179.747		10.2		5.69
Decane	39.1831		2.23		2.85
2,3,4,6-Tetrachlorophenol	820.8861		46.7		5.69
2,3,5,6-Tetrachlorophenol	877.304		50		5.69
1-Methylnaphthalene	479.6143		27.3		1.14
2,3-Dichloroaniline	731.323		41.6		5.69
Octadecane	984.5581		56.1		2.85
Cyclohexanone	12.9715	14.857	0.739	B1	0

STL Seattle

6a **Sample Information**

Th	Client Name	**Parametrix, Inc.**
	Work Order Number	**126377**
	Sample Number	**6**
	QC Batch Number	**ss1343**
	Client Sample ID	**0205-OS-VC-05**
	Date Received	**02-18-05**
	Date Prepared	**02-21-05**
	Date Analyzed	**02-25-05**
	Sample matrix type	**solid**
	QC sample type	**msd**

Related Blank: ss1343

Sample weight (g)	**21.8107**	=	0.02181 /kg	Calc. Fact.	0.053699995
Extract volume (ml)	**1**	=	1 ml	Dry Weight	18.62197566 g
Dilution Factor		=	1	Sample Units	ug/kg
% Solids	**85.38**	=	0.8538	Spike Factor	53.69999501
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	1
Report in PPM		=	1		
mg/kg Carbon		=	1	Blk Dil. Fact	1
				Raw Dil. Fact	1

	Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	2 - Fluorophenol	221.6909	X9	22.2	**LOW**	10	120
x	Phenol - d5	461.3372		46.1	**OK**	10	102
x	Nitrobenzene - d5	160.1603	N	16	**LOW**	34	146
x	2 - Fluorobiphenyl	326.138	X9	32.6	**LOW**	35	143
x	2,4,6 - Tribromophenol	739.2086		73.9	**OK**	29	151
x	p - Terphenyl - d14	810.7197		81.1	**OK**	35	166

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Phenol	566.5114		6.244	30.4	B2	2.68
	bis(2-Chloroethyl)ether	108.8565			5.85		5.37
	2-Chlorophenol	211.5728			11.4		2.68
x	1,3-Dichlorobenzene	26.6843			1.43	J	2.68
x	1,4-Dichlorobenzene	30.6562			1.65	J	2.68
x	Benzyl Alcohol	667.2513			35.8		2.68
x	1,2-Dichlorobenzene	37.5776		8.3371	2.02	J B1	2.68
x	2-Methylphenol	409.1409			22		2.68
	bis(2-Chloroisopropyl)ether	106.0668			5.7	J	13.4
x	3-&4-Methylphenol	530.9836			28.5		2.68
	N-nitroso-di-n-propylamine	606.4937			32.6		2.68
x	Hexachloroethane	30.2045			1.62	J	2.68
	Nitrobenzene	176.1145			9.46		5.37
	Isophorone	579.4698			31.1		5.37
	2-Nitrophenol	416.5754			22.4		2.68
x	2,4-Dimethylphenol	268.6084			14.4		1.07
x	Benzoic Acid	1187.664		519.162	63.8	B1	32.2
	bis(2-Chloroethoxy)methane	507.4273			27.2		5.37
	2,4-Dichlorophenol	637.9517			34.3		2.68
x	1,2,4-Trichlorobenzene	88.0942		11.1053	4.73	B1	2.68

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x	Naphthalene	125.1594		6.72		1.07
	4-Chloroaniline	371.5451		20		5.37
x	Hexachlorobutadiene	57.3329		3.08		2.68
	4-Chloro-3-methylphenol	784.451	38.7603	42.1	B2	2.68
x	2-Methylnaphthalene	352.2507		18.9		1.07
	Hexachlorocyclopentadiene	77.1066		4.14		2.68
	2,4,6-Trichlorophenol	917.6114		49.3		2.68
	2,4,5-Trichlorophenol	785.7742		42.2		2.68
	2-Chloronaphthalene	497.1195		26.7		1.07
	2-Nitroaniline	825.7369		44.3		1.07
x	Dimethylphthalate	851.8359		45.7		5.37
x	Acenaphthylene	649.4357		34.9		1.07
	2,6-Dinitrotoluene	850.7757		45.7		2.68
	3-Nitroaniline	1179.084		63.3		5.37
x	Acenaphthene	666.835		35.8		1.07
	2,4-Dinitrophenol	1438.571	344.119	77.3	B1	26.8
	4-Nitrophenol	3260.49		175		26.8
x	Dibenzofuran	721.8693		38.8		2.68
	2,4-Dinitrotoluene	810.9421		43.5		5.37
x	Diethylphthalate	868.8226	35.8288	46.7	B2	5.37
	4-Chlorophenylphenylether	772.9817		41.5		5.37
x	Fluorene	804.9971		43.2		1.07
	4-Nitroaniline	668.1092		35.9		10.7
	4,6-Dinitro-2-methylphenol	2858.87		154		5.37
x	N-Nitrosodiphenylamine	856.5808		46		1.07
	4-Bromophenylphenylether	843.8907		45.3		5.37
x	Hexachlorobenzene	782.76		42		1.07
x	Pentachlorophenol	632.5963		34		5.37
x	Phenanthrene	807.7476		43.4		1.07
x	Anthracene	839.7685		45.1		1.07
x	Di-n-butylphthalate	5048.539	1192.18	271	B1	5.37
x	Fluoranthene	912.9663		49		1.07
x	Pyrene	918.4172		49.3		1.07
x	Butylbenzylphthalate	1021.247	146.995	54.8	B1	10.7
	3,3'-Dichlorobenzidine	428.3218	28.968	23	B2	10.7
x	Benzo(a)anthracene	922.8999		49.6		1.07
x	Chrysene	813.345		43.7		1.07
x	bis(2-Ethylhexyl)phthalate	1348.18	322.918	72.4	B1	10.7
x	Di-n-octylphthalate	1102.04		59.2		10.7
	Benzofluoranthenes	1827.506		98.1		2.15
x	Benzo(b)fluoranthene	813.3111		43.7		1.07
x	Benzo(k)fluoranthene	925.7995		49.7		1.07
x	Benzo(a)pyrene	920.8123		49.4		1.07
x	Indeno(1,2,3-cd)pyrene	854.8816		45.9		1.07
x	Dibenz(a,h)anthracene	827.3332		44.4		1.07
x	Benzo(g,h,i)perylene	927.4168		49.8		1.07
	Carbazole	962.8298		51.7		5.37
	Pyridine	990.2013		53.2		5.37
	Benzidine	7.9879	ND			5.37
	Aniline	161.3525		8.66		5.37
	Azobenzene	807.2432		43.3		5.37

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Biphenyl	543.2196		29.2		5.37
Acetophenone	348.6094	10.778	18.7	B2	5.37
Benzaldehyde	133.7285		7.18		5.37
Decane	36.4996		1.96		2.68
2,3,4,6-Tetrachlorophenol	751.3959		40.3		5.37
2,3,5,6-Tetrachlorophenol	862.4292		46.3		5.37
1-Methylnaphthalene	385.5279		20.7		1.07
2,3-Dichloroaniline	690.362		37.1		5.37
Octadecane	1007.712		54.1		2.68
Cyclohexanone	13.9063	14.857	0.747	B1	0

STL Seattle

6a **Sample Information**

Th Client Name	**Parametrix, Inc.**
Work Order Number	**126377**
Sample Number	**6**
QC Batch Number	**ss1348**
Client Sample ID	**0205-OS-VC-05**
Date Received	**02-18-05**
Date Prepared	**02-28-05**
Date Analyzed	**03-01-05**
Sample matrix type	**solid**
QC sample type	**ms**

Related Blank: ss1348

Sample weight (g)	**21.2092**	=	0.02121	/kg	Calc. Fact.	0.055222945
Extract volume (ml)	**1**	=	1	ml	Dry Weight	18.10841496 g
Dilution Factor		=	1		Sample Units	ug/kg
% Solids	**85.38**	=	0.8538		Spike Factor	55.22294481
GPC (Enter 2 if GPC'd)		=	1		Rept. Dil. Fact.	1
Report in PPM		=	1			
mg/kg Carbon		=	1		Blk Dil. Fact	1
					Raw Dil. Fact	1

	Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	2 - Fluorophenol	628.7047		62.9	OK	10	120
x	Phenol - d5	819.8374		82	OK	10	102
x	Nitrobenzene - d5	444.4228		44.4	OK	34	146
x	2 - Fluorobiphenyl	417.5788	N	41.8	LOW	35	143
x	2,4,6 - Tribromophenol	800.4242		80	OK	29	151
x	p - Terphenyl - d14	827.5741		82.8	OK	35	166

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Phenol	954.6595		22.5043	52.7	B2	2.76
	bis(2-Chloroethyl)ether	396.5407			21.9		5.52
	2-Chlorophenol	635.0342			35.1		2.76
x	1,3-Dichlorobenzene	52.2654			2.89		2.76
x	1,4-Dichlorobenzene	54.0969			2.99		2.76
x	Benzyl Alcohol	887.2141		43.6484	49	B2	2.76
x	1,2-Dichlorobenzene	74.145			4.09		2.76
x	2-Methylphenol	777.5454			42.9		2.76
	bis(2-Chloroisopropyl)ether	247.0202			13.6	J	13.8
x	3-&4-Methylphenol	820.4691			45.3		2.76
	N-nitroso-di-n-propylamine	605.5646			33.4		2.76
x	Hexachloroethane	27.3429			1.51	J	2.76
	Nitrobenzene	469.559			25.9		5.52
	Isophorone	558.2767			30.8		5.52
	2-Nitrophenol	840.0729			46.4		2.76
x	2,4-Dimethylphenol	661.5274			36.5		1.1
x	Benzoic Acid	1695.713		427.588	93.6	B1	33.1
	bis(2-Chloroethoxy)methane	717.4533			39.6		5.52
	2,4-Dichlorophenol	909.1505			50.2		2.76
x	1,2,4-Trichlorobenzene	166.437		10.3866	9.19	B2	2.76

STL Seattle

x	Naphthalene	228.4806		12.6		1.1
	4-Chloroaniline	495.8135		27.4		5.52
x	Hexachlorobutadiene	68.573		3.79		2.76
	4-Chloro-3-methylphenol	839.2641	39.3362	46.3	B2	2.76
x	2-Methylnaphthalene	397.9575		22		1.1
	Hexachlorocyclopentadiene	118.1496		6.52		2.76
	2,4,6-Trichlorophenol	983.4014		54.3		2.76
	2,4,5-Trichlorophenol	822.8534		45.4		2.76
	2-Chloronaphthalene	526.5039		29.1		1.1
	2-Nitroaniline	918.8518		50.7		1.1
x	Dimethylphthalate	878.7322		48.5		5.52
x	Acenaphthylene	624.4492		34.5		1.1
	2,6-Dinitrotoluene	854.4643		47.2		2.76
	3-Nitroaniline	2344.427		129		5.52
x	Acenaphthene	635.084		35.1		1.1
	2,4-Dinitrophenol	3860.853		213		27.6
	4-Nitrophenol	4605.336		254		27.6
x	Dibenzofuran	733.6866		40.5		2.76
	2,4-Dinitrotoluene	838.0648		46.3		5.52
x	Diethylphthalate	871.0327	44.1818	48.1	B2	5.52
	4-Chlorophenylphenylether	769.4675		42.5		5.52
x	Fluorene	790.4983		43.7		1.1
	4-Nitroaniline	685.8726		37.9		11
	4,6-Dinitro-2-methylphenol	4015.096		222		5.52
x	N-Nitrosodiphenylamine	932.537		51.5		1.1
	4-Bromophenylphenylether	844.9831		46.7		5.52
x	Hexachlorobenzene	758.4045		41.9		1.1
x	Pentachlorophenol	816.1447		45.1		5.52
x	Phenanthrene	813.9839		45		1.1
x	Anthracene	879.7998		48.6		1.1
x	Di-n-butylphthalate	4249.074	2020.2	235	B1	5.52
x	Fluoranthene	898.766		49.6		1.1
x	Pyrene	883.4749		48.8		1.1
x	Butylbenzylphthalate	1112.337	183.356	61.4	B1	11
	3,3'-Dichlorobenzidine	784.9032		43.3		11
x	Benzo(a)anthracene	971.5851		53.7		1.1
x	Chrysene	868.1102		47.9		1.1
x	bis(2-Ethylhexyl)phthalate	1238.094	180.154	68.4	B1	11
x	Di-n-octylphthalate	1049.333	8.2978	57.9	B2	11
	Benzofluoranthenes	1887.932		104		2.21
x	Benzo(b)fluoranthene	865.3222		47.8		1.1
x	Benzo(k)fluoranthene	929.1015		51.3		1.1
x	Benzo(a)pyrene	954.5663		52.7		1.1
x	Indeno(1,2,3-cd)pyrene	946.1741		52.3		1.1
x	Dibenz(a,h)anthracene	897.2152		49.5		1.1
x	Benzo(g,h,i)perylene	980.5871		54.2		1.1
	Carbazole	999.5398		55.2		5.52
	Aniline	357.4387		19.7		5.52
	Azobenzene	844.4977		46.6		5.52
	Biphenyl	574.5254		31.7		5.52
	Acetophenone	568.7413	11.4063	31.4	B2	5.52
	Benzaldehyde	82.4503		4.55	J	5.52

STL Seattle

Decane	11.5214		0.636		2.76
2,3,4,6-Tetrachlorophenol	829.9775		45.8		5.52
2,3,5,6-Tetrachlorophenol	909.0469		50.2		5.52
1-Methylnaphthalene	416.3911		23		1.1
2,3-Dichloroaniline	779.9732	7.4182	43.1	B2	5.52
Octadecane	1027.392	17.0976	56.7	B2	2.76
Cyclohexanone	9.6895	8.7735	0.535	B1	0

STL Seattle

6a **Sample Information**

Th Client Name	**Parametrix, Inc.**
Work Order Number	**126377**
Sample Number	**6**
QC Batch Number	**ss1348**
Client Sample ID	**0205-OS-VC-05**
Date Received	**02-18-05**
Date Prepared	**02-28-05**
Date Analyzed	**03-01-05**
Sample matrix type	**solid**
QC sample type	**msd**

Related Blank: ss1348

Sample weight (g)	**21.0865**	=	0.02109 /kg	Calc. Fact.	0.055544281
Extract volume (ml)	**1**	=	1 ml	Dry Weight	18.0036537 g
Dilution Factor		=	1	Sample Units	ug/kg
% Solids	**85.38**	=	0.8538	Spike Factor	55.54428099
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	1
Report in PPM		=	1		
mg/kg Carbon		=	1	Blk Dil. Fact	1
				Raw Dil. Fact	1

	Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	2 - Fluorophenol	570.5324		57.1	**OK**	10	120
x	Phenol - d5	786.0986		78.6	**OK**	10	102
x	Nitrobenzene - d5	332.242	N	33.2	**LOW**	34	146
x	2 - Fluorobiphenyl	296.9335	N	29.7	**LOW**	35	143
x	2,4,6 - Tribromophenol	705.034		70.5	**OK**	29	151
x	p - Terphenyl - d14	763.5838		76.4	**OK**	35	166

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Phenol	895.8244		22.5043	49.8	B2	2.78
	bis(2-Chloroethyl)ether	364.3678			20.2		5.55
	2-Chlorophenol	574.6155			31.9		2.78
x	1,3-Dichlorobenzene	38.961			2.16	J	2.78
x	1,4-Dichlorobenzene	45.2258			2.51	J	2.78
x	Benzyl Alcohol	857.8816		43.6484	47.7	B2	2.78
x	1,2-Dichlorobenzene	62.0198			3.44		2.78
x	2-Methylphenol	690.1794			38.3		2.78
	bis(2-Chloroisopropyl)ether	206.983			11.5	J	13.9
x	3-&4-Methylphenol	752.9783			41.8		2.78
x	Hexachloroethane	21.8853			1.22	J	2.78
	Nitrobenzene	397.4356			22.1		5.55
	Isophorone	485.5413			27		5.55
	2-Nitrophenol	733.4157			40.7		2.78
x	2,4-Dimethylphenol	563.4312			31.3		1.11
x	Benzoic Acid	2452.818		427.588	136	B1	33.3
	bis(2-Chloroethoxy)methane	627.721			34.9		5.55
	2,4-Dichlorophenol	801.0092			44.5		2.78
x	1,2,4-Trichlorobenzene	134.7309		10.3866	7.48	B2	2.78
x	Naphthalene	182.7071			10.1		1.11

STL Seattle

	4-Chloroaniline	579.6778		32.2		5.55
x	Hexachlorobutadiene	61.281		3.4		2.78
	4-Chloro-3-methylphenol	800.6334	39.3362	44.5	B2	2.78
x	2-Methylnaphthalene	290.0671		16.1		1.11
	Hexachlorocyclopentadiene	74.61		4.14		2.78
	2,4,6-Trichlorophenol	905.646		50.3		2.78
	2,4,5-Trichlorophenol	758.601		42.1		2.78
	2-Chloronaphthalene	373.8991		20.8		1.11
	2-Nitroaniline	868.6654		48.2		1.11
x	Dimethylphthalate	806.9898		44.8		5.55
x	Acenaphthylene	478.7707		26.6		1.11
	2,6-Dinitrotoluene	761.6962		42.3		2.78
	3-Nitroaniline	2622.881		146		5.55
x	Acenaphthene	495.2321		27.5		1.11
	4-Nitrophenol	4346.201		241		27.8
x	Dibenzofuran	597.3936		33.2		2.78
	2,4-Dinitrotoluene	789.6431		43.9		5.55
x	Diethylphthalate	810.4092	44.1818	45	B2	5.55
	4-Chlorophenylphenylether	633.4077		35.2		5.55
x	Fluorene	675.8923		37.5		1.11
	4-Nitroaniline	626.71		34.8		11.1
	4,6-Dinitro-2-methylphenol	3576.636		199		5.55
x	N-Nitrosodiphenylamine	801.7144		44.5		1.11
	4-Bromophenylphenylether	714.8203		39.7		5.55
x	Hexachlorobenzene	650.6543		36.1		1.11
x	Pentachlorophenol	784.4368		43.6		5.55
x	Phenanthrene	721.174		40.1		1.11
x	Anthracene	775.2742		43.1		1.11
x	Di-n-butylphthalate	3406.954	2020.2	189	B1	5.55
x	Fluoranthene	816.7115		45.4		1.11
x	Pyrene	813.007		45.2		1.11
x	Butylbenzylphthalate	962.1775	183.356	53.4	B1	11.1
	3,3'-Dichlorobenzidine	738.1931		41		11.1
x	Benzo(a)anthracene	860.437		47.8		1.11
x	Chrysene	767.7847		42.6		1.11
x	bis(2-Ethylhexyl)phthalate	1110.188	180.154	61.7	B1	11.1
x	Di-n-octylphthalate	41.9858	8.2978	2.33	J B1	11.1
	Benzofluoranthenes	1719.651		95.5		2.22
x	Benzo(b)fluoranthene	789.2424		43.8		1.11
x	Benzo(k)fluoranthene	842.6727		46.8		1.11
x	Benzo(a)pyrene	888.1834		49.3		1.11
x	Indeno(1,2,3-cd)pyrene	851.4538		47.3		1.11
x	Dibenz(a,h)anthracene	812.0367		45.1		1.11
x	Benzo(g,h,i)perylene	888.5413		49.4		1.11
	Carbazole	964.2497		53.6		5.55
	Aniline	384.2642		21.3		5.55
	Azobenzene	717.117		39.8		5.55
	Biphenyl	418.6794		23.3		5.55
	Benzaldehyde	79.4875		4.42	J	5.55
	2,3,4,6-Tetrachlorophenol	800.8885		44.5		5.55
	2,3,5,6-Tetrachlorophenol	876.4758		48.7		5.55
	1-Methylnaphthalene	298.7025		16.6		1.11

STL Seattle

2,3-Dichloroaniline	667.1033	7.4182	37.1	B2	5.55
Octadecane	897.5922	17.0976	49.9	B2	2.78

TRIBUTYLTIN DATA PACKAGE

SAMPLE DATA

01054

Quantitation Report (Not Reviewed)

Data File : T:\DATA\02232005\L15245.D Vial: 0
Acq On : 23 Feb 2005 18:26 Operator:
Sample : 126377-1 &20 SOIL ORGTIN Inst :
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 24 13:32:15 2005 Quant Results File: ORGTIN02232005.RI

Quant Method : T:\METHODS\ORGTIN02232005.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Thu Feb 24 13:30:28 2005
Response via : Initial Calibration
DataAcq Meth :

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Phenanthrene D10 (I)	9.57	188	266824+	100.00 pg/ul	0.01
System Monitoring Compounds					
2) Tripentyltin (S)	10.71	347	178872+	66.38 PG/UL	0.01
Target Compounds					Qvalue

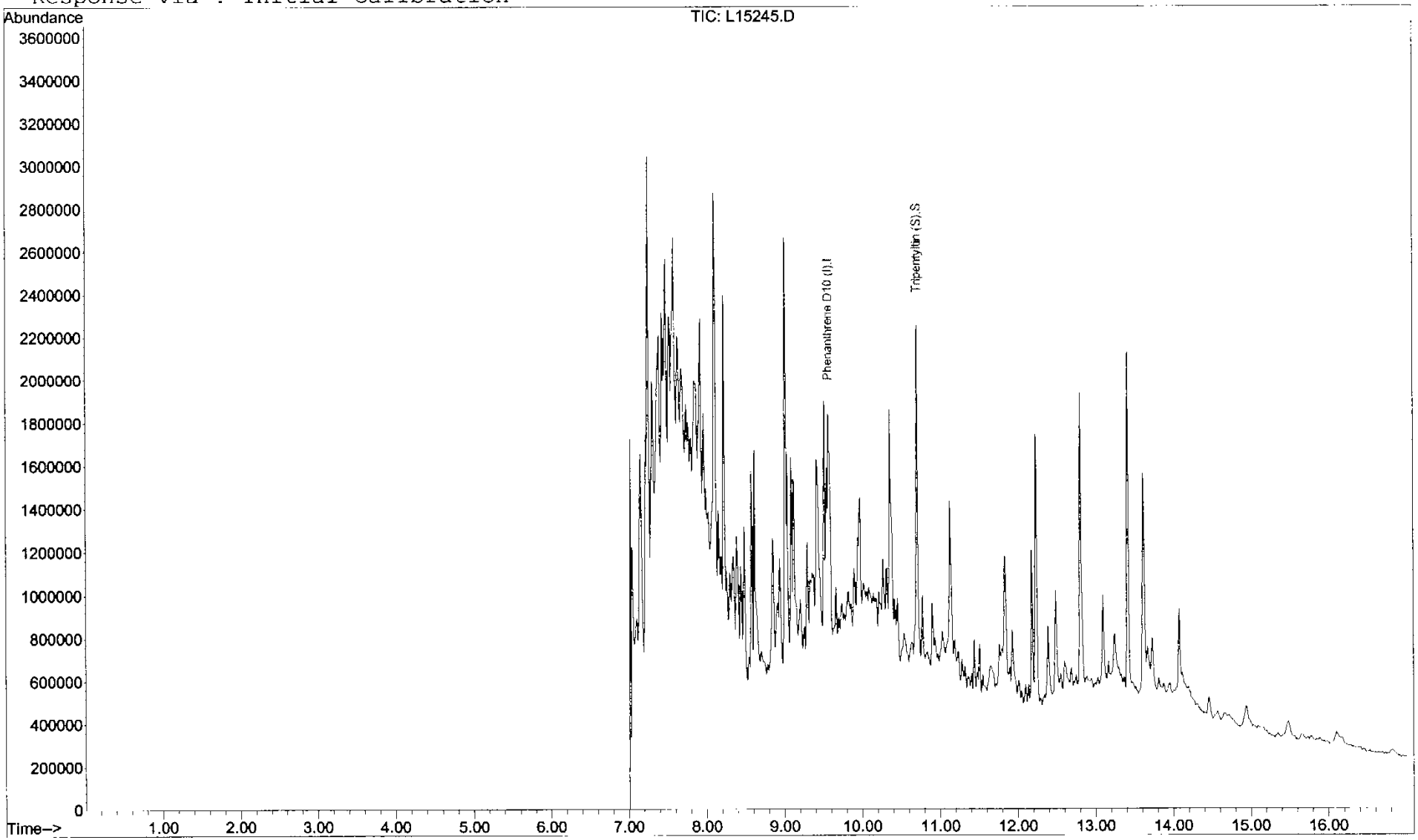
(#) = qualifier out of range (m) = manual integration (+) = signals summed

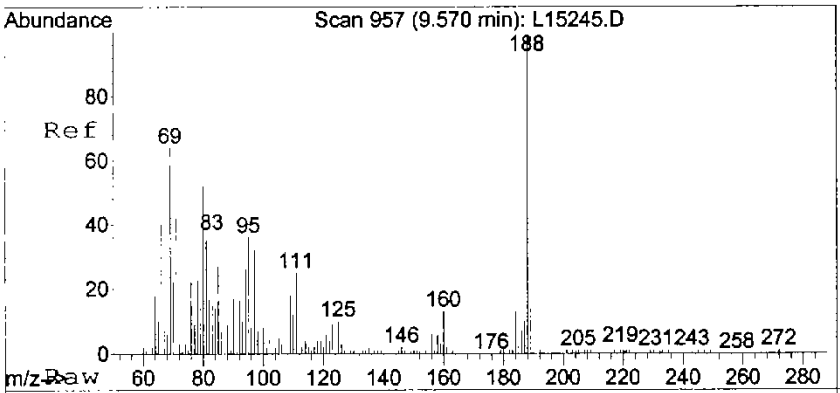
01055

Quantitation Report (Not Reviewed)

Data File : T:\DATA\02232005\L15245.D Vial: 0
Acq On : 23 Feb 2005 18:26 Operator:
Sample : 126377-1 &20 SOIL ORGTIN Inst :
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 24 13:32 2005 Quant Results File: ORGTIN02232005.RES

Method : T:\METHODS\ORGTIN02232005.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Thu Feb 24 13:30:28 2005
Response via : Initial Calibration

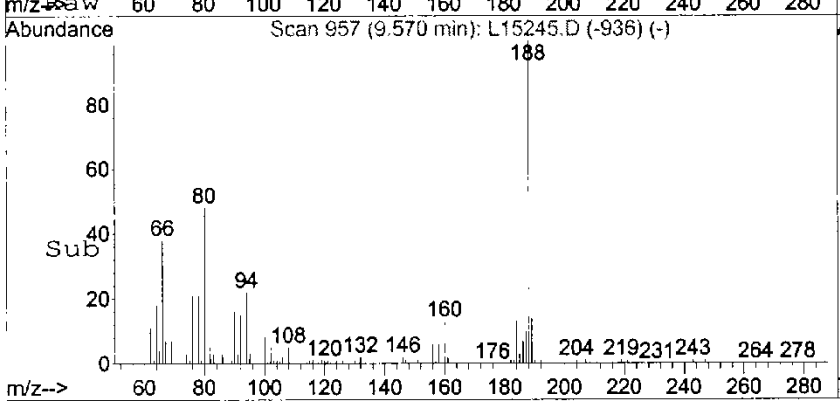


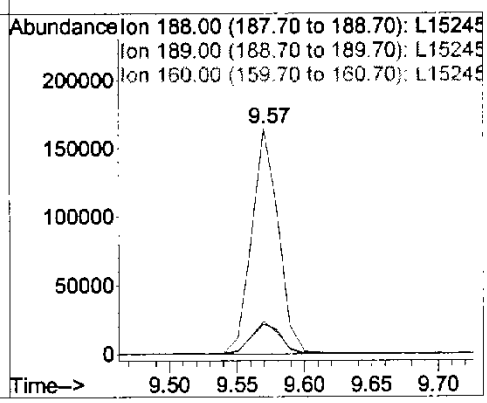


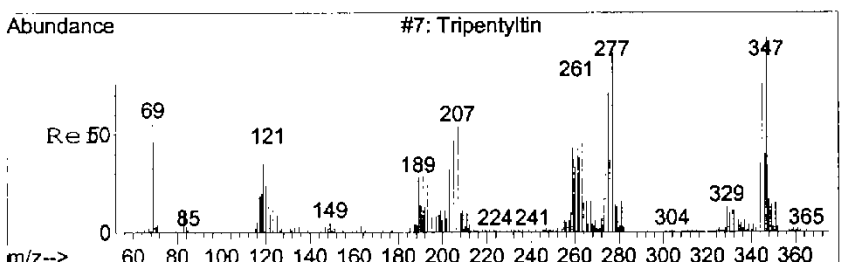
#1
Phenanthrene D10 (I)
Concen: 100.00 pg/ul
RT: 9.57 min Scan# 957
Delta R.T. 0.01 min
Lab File: L15245.D
Acq: 23 Feb 2005 18:26

Tgt Ion:188 Resp: 266824

Ion	Ratio	Lower	Upper
188	100		
189	13.1	7.6	17.8
160	12.7	8.2	19.2



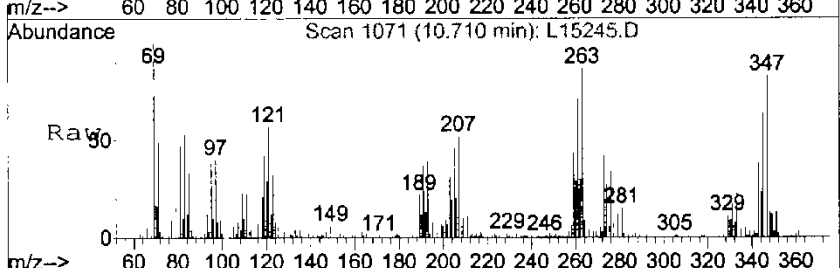


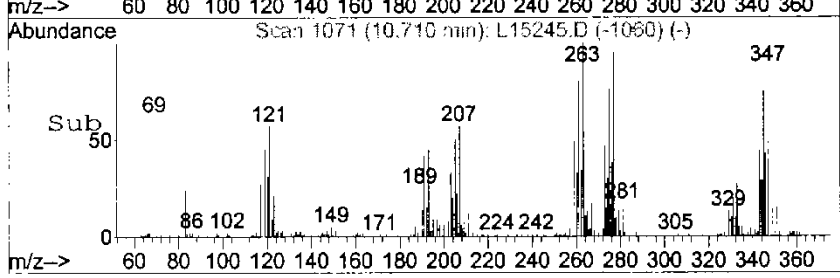


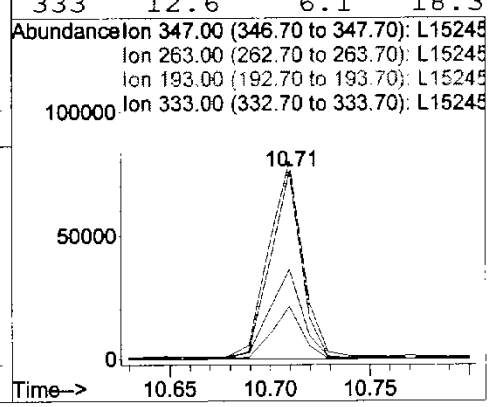
#2
Tripentyltin (S)
Concen: 66.38 PG/UL
RT: 10.71 min Scan# 1071
Delta R.T. 0.01 min
Lab File: L15245.D
Acq: 23 Feb 2005 18:26

Tgt Ion:347 Resp: 178872

Ion	Ratio	Lower	Upper
347	100		
263	54.3	22.8	91.2
193	24.3	12.0	36.0
333	12.6	6.1	18.3







01057

Quantitation Report (QT Reviewed)

Data File : T:\DATA\02232005\L15245.D Vial: 0
Acq On : 23 Feb 2005 18:26 Operator:
Sample : 126377-1 &20 SOIL ORGTIN Inst :
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 24 13:46:47 2005 Quant Results File: ORGTIN02232005.RI

Quant Method : T:\METHODS\ORGTIN02232005.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Thu Feb 24 13:30:28 2005
Response via : Initial Calibration
DataAcq Meth :

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Phenanthrene D10 (I)	9.57	188	266824+	100.00 pg/ul	0.01
System Monitoring Compounds					
2) Tripentyltin (S)	10.71	347	178872+	66.38 PG/UL	0.01

Target Compounds Qvalue

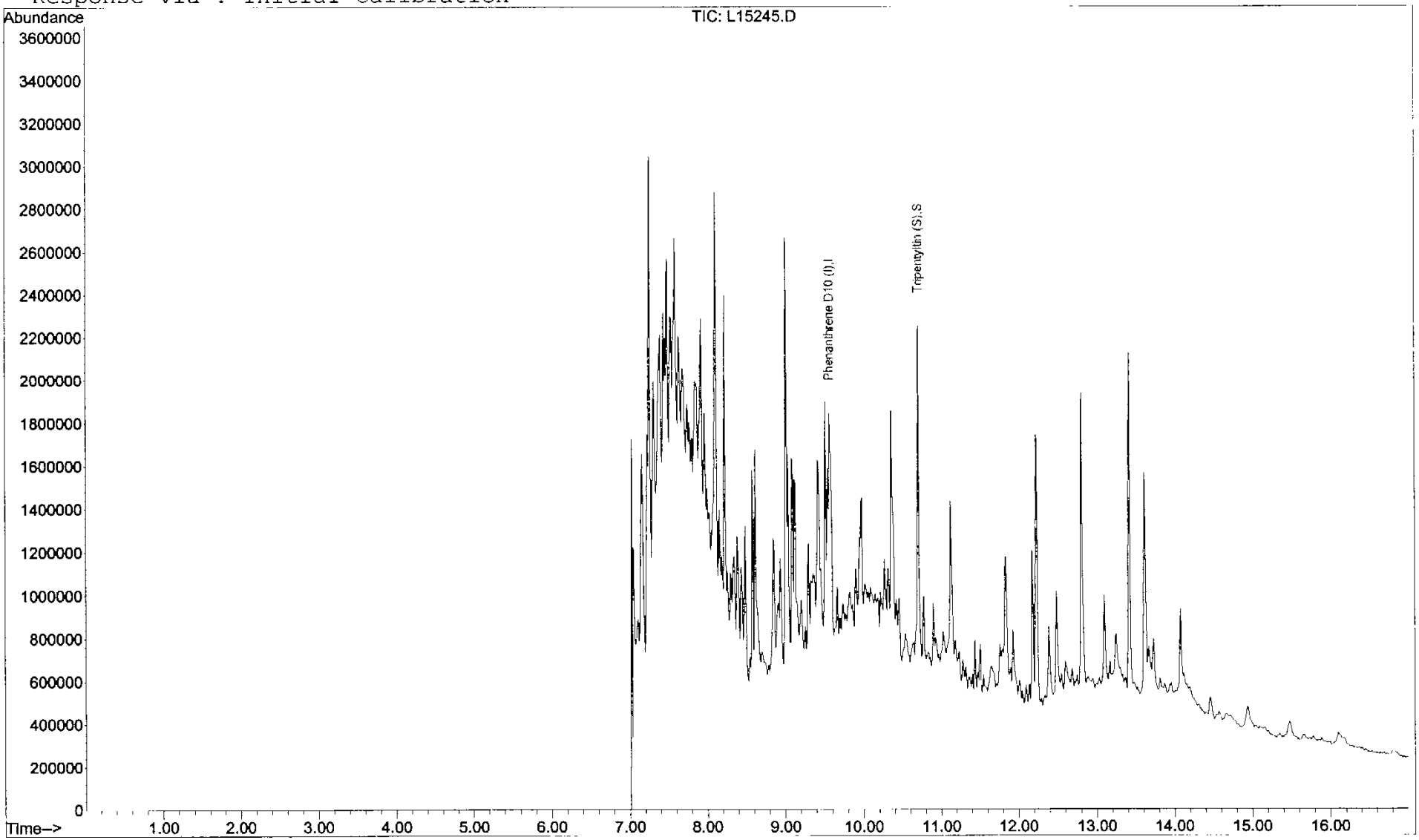
(#) = qualifier out of range (m) = manual integration (+) = signals summed

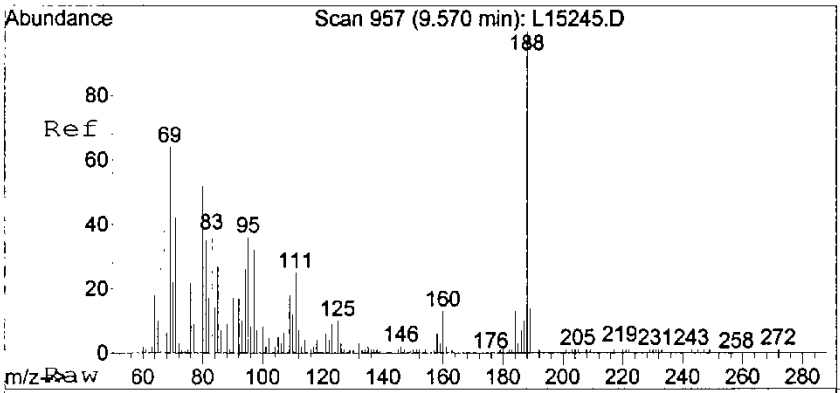
01058

Quantitation Report (QT Reviewed)

Data File : T:\DATA\02232005\L15245.D Vial: 0
Acq On : 23 Feb 2005 18:26 Operator:
Sample : 126377-1 &20 SOIL ORGTIN Inst :
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 24 13:47 2005 Quant Results File: ORGTIN02232005.RES

Method : T:\METHODS\ORGTIN02232005.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Thu Feb 24 13:30:28 2005
Response via : Initial Calibration

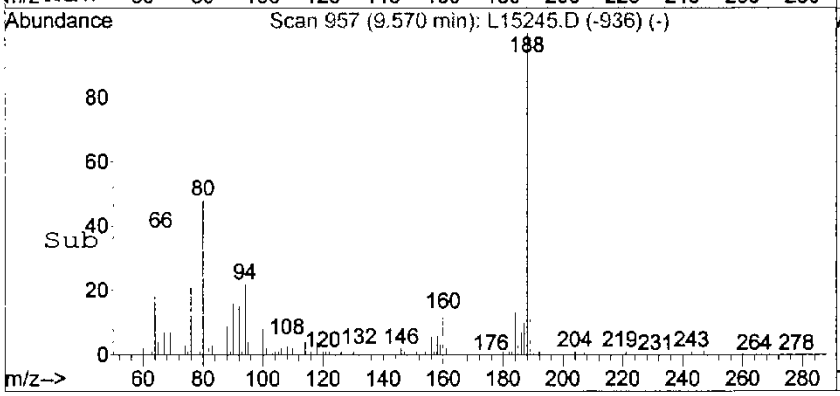


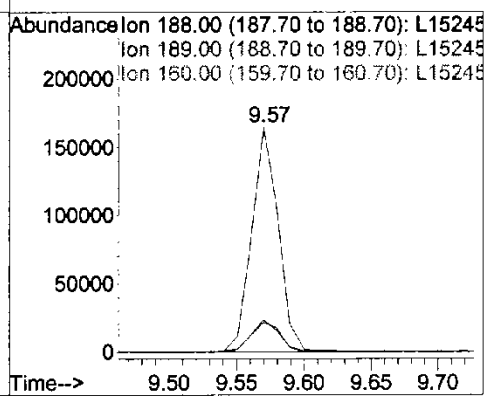


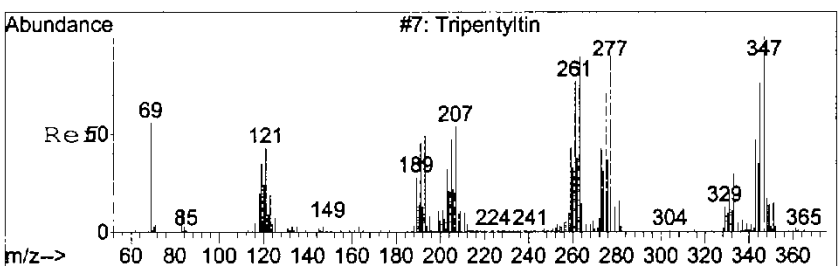
#1
Phenanthrene D10 (I)
Concen: 100.00 pg/ul
RT: 9.57 min Scan# 957
Delta R.T. 0.01 min
Lab File: L15245.D
Acq: 23 Feb 2005 18:26

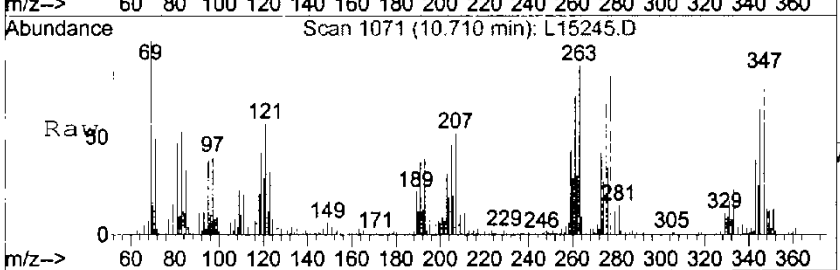
Tgt Ion:188 Resp: 266824

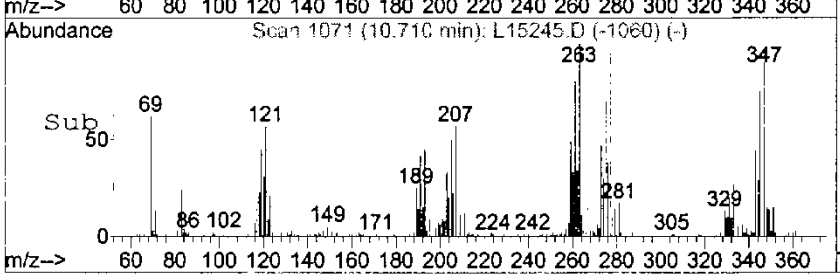
Ion	Ratio	Lower	Upper
188	100		
189	13.1	7.6	17.8
160	12.7	8.2	19.2







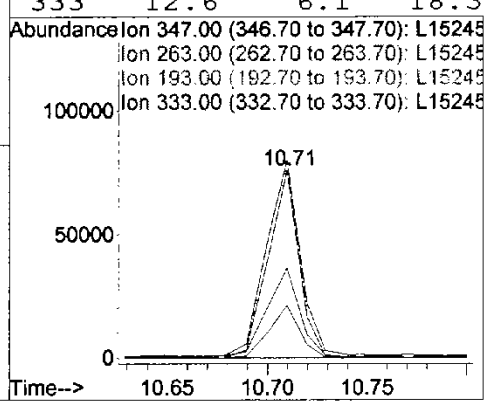




#2
Tripentyltin (S)
Concen: 66.38 PG/UL
RT: 10.71 min Scan# 1071
Delta R.T. 0.01 min
Lab File: L15245.D
Acq: 23 Feb 2005 18:26

Tgt Ion:347 Resp: 178872

Ion	Ratio	Lower	Upper
347	100		
263	54.3	22.8	91.2
193	24.3	12.0	36.0
333	12.6	6.1	18.3



01060

Quantitation Report (QT Reviewed)

Data File : T:\DATA\02232005\L15246.D Vial: 0
Acq On : 23 Feb 2005 18:50 Operator:
Sample : 126377-2 &20 SOIL ORGTIN Inst :
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 24 13:45:43 2005 Quant Results File: ORGTIN02232005.RE

Quant Method : T:\METHODS\ORGTIN02232005.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Thu Feb 24 13:30:28 2005
Response via : Initial Calibration
DataAcq Meth :

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Phenanthrene D10 (I)	9.57	188	251698+	100.00	pg/ul	0.01
System Monitoring Compounds						
2) Tripentyltin (S)	10.70	347	154117+	60.63	PG/UL	0.00
Target Compounds						Qvalue
4) Tributyltin	9.70	319	126437+	43.07	PG/UL	98
5) Dibutyltin	10.40	347	3931+	0.66	PG/UL	92
6) Monobutyltin	11.02	291	5584+	1.34	PG/UL	87

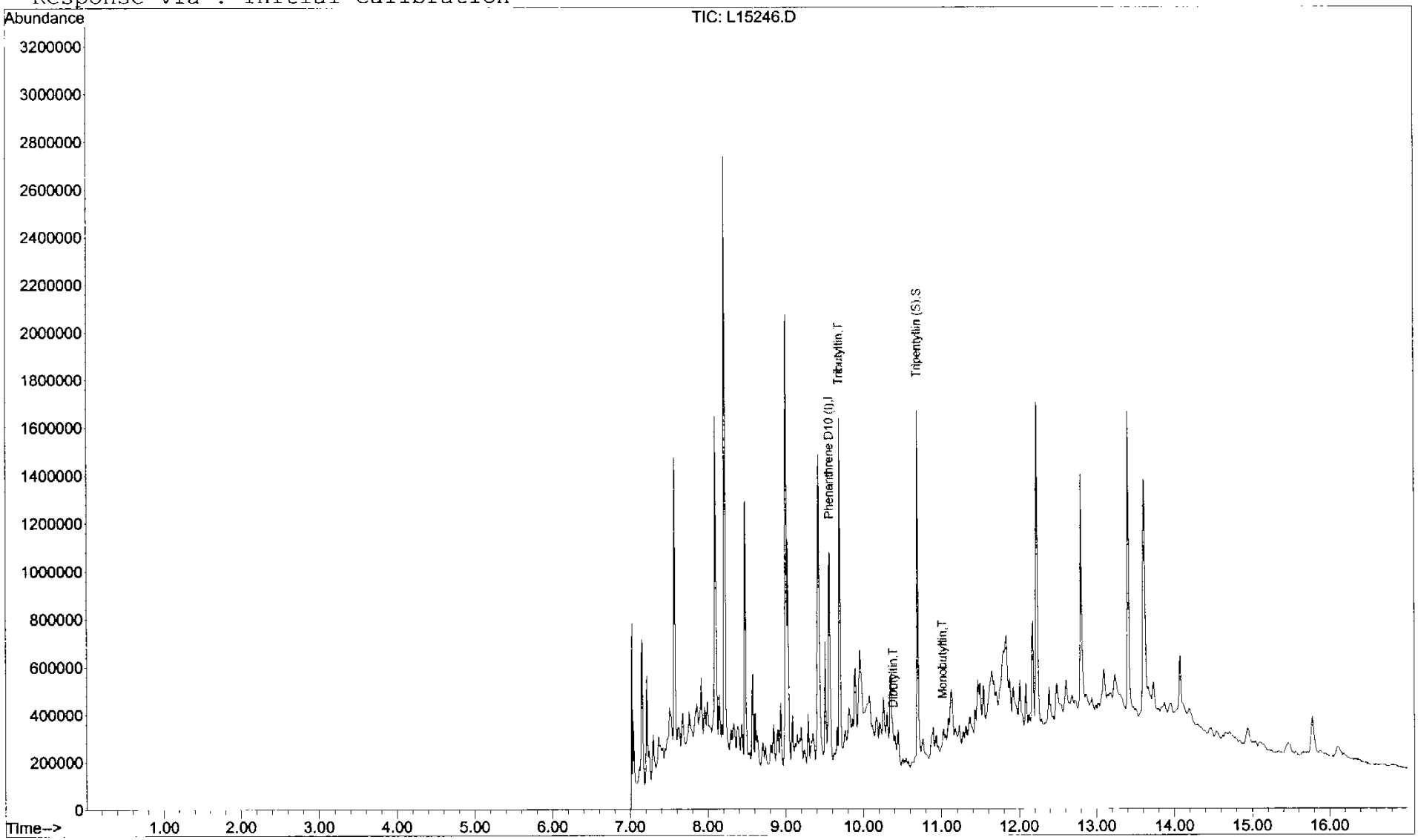
(#) = qualifier out of range (m) = manual integration (+) = signals summed

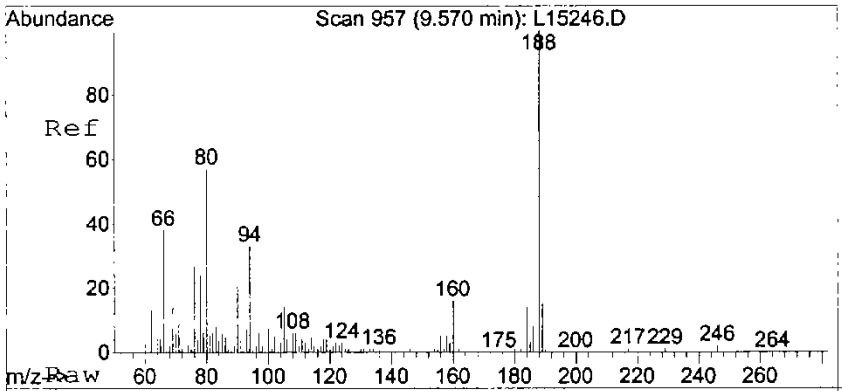
01061

Quantitation Report (QT Reviewed)

Data File : T:\DATA\02232005\L15246.D Vial: 0
Acq On : 23 Feb 2005 18:50 Operator:
Sample : 126377-2 &20 SOIL ORGTIN Inst :
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 24 13:46 2005 Quant Results File: ORGTIN02232005.RES

Method : T:\METHODS\ORGTIN02232005.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Thu Feb 24 13:30:28 2005
Response via : Initial Calibration

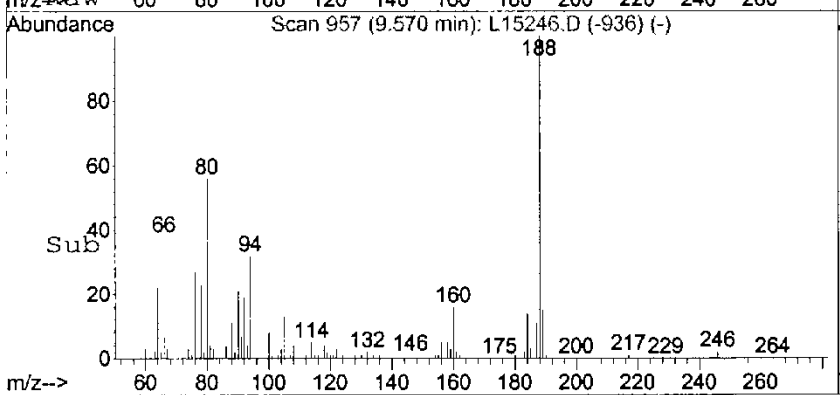


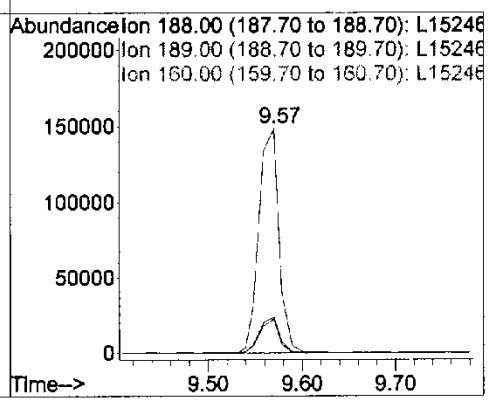


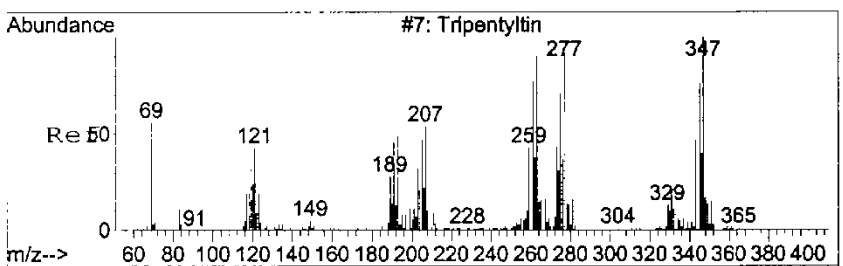
#1
Phenanthrene D10 (I)
Concen: 100.00 pg/ul
RT: 9.57 min Scan# 957
Delta R.T. 0.01 min
Lab File: L15246.D
Acq: 23 Feb 2005 18:50

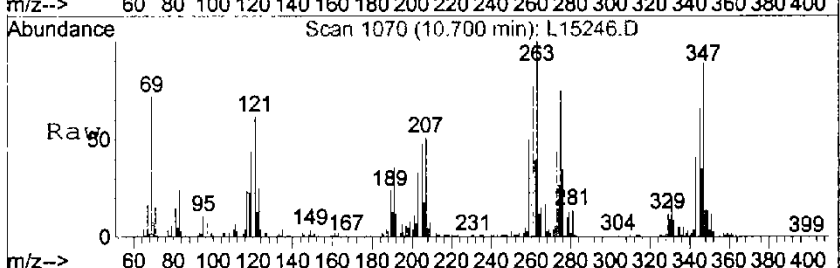
Tgt Ion:188 Resp: 251698

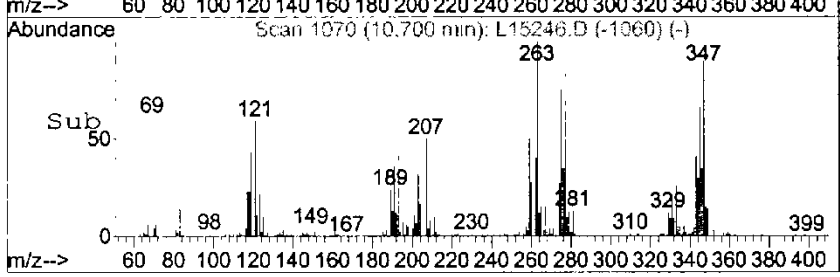
Ion	Ratio	Lower	Upper
188	100		
189	12.8	7.6	17.8
160	14.2	8.2	19.2







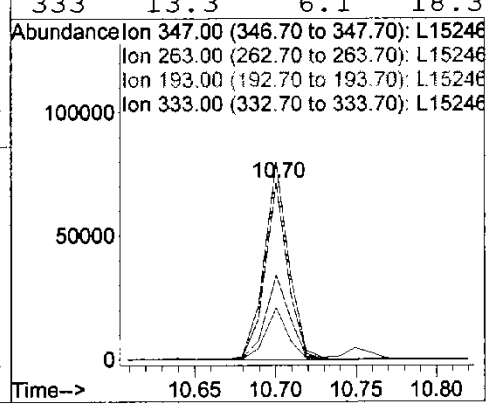




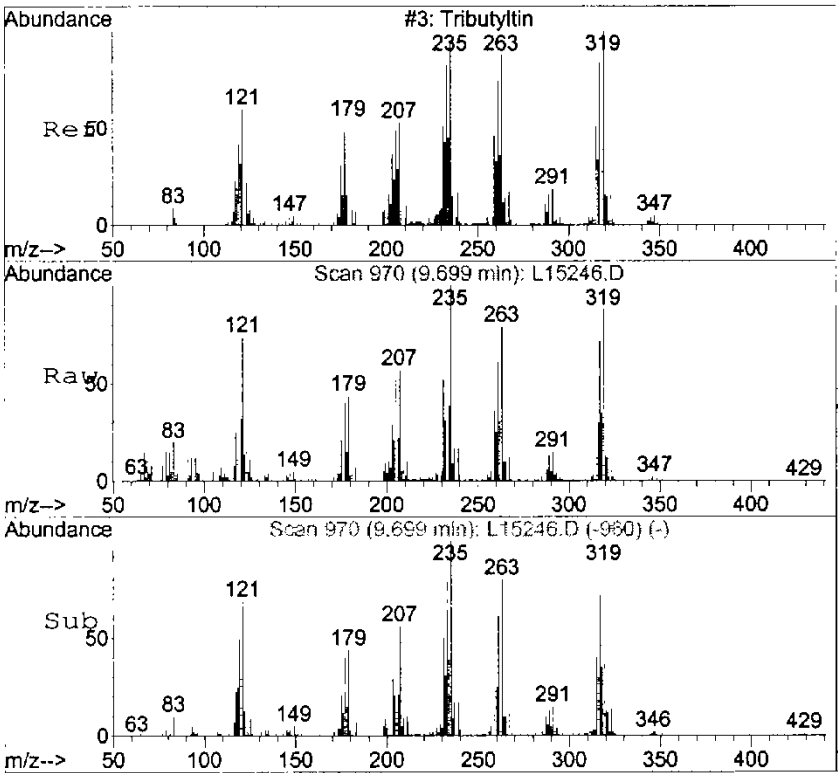
#2
Tripentyltin (S)
Concen: 60.63 PG/UL
RT: 10.70 min Scan# 1070
Delta R.T. 0.00 min
Lab File: L15246.D
Acq: 23 Feb 2005 18:50

Tgt Ion:347 Resp: 154117

Ion	Ratio	Lower	Upper
347	100		
263	54.1	22.8	91.2
193	22.8	12.0	36.0
333	13.3	6.1	18.3



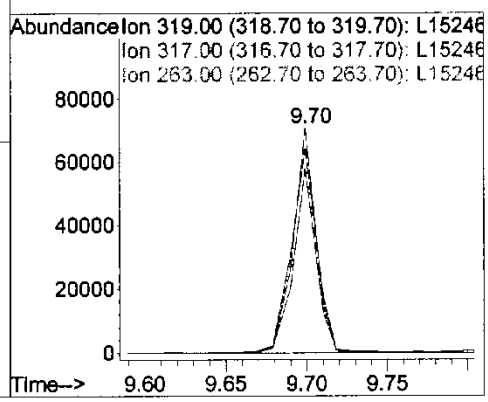
010963

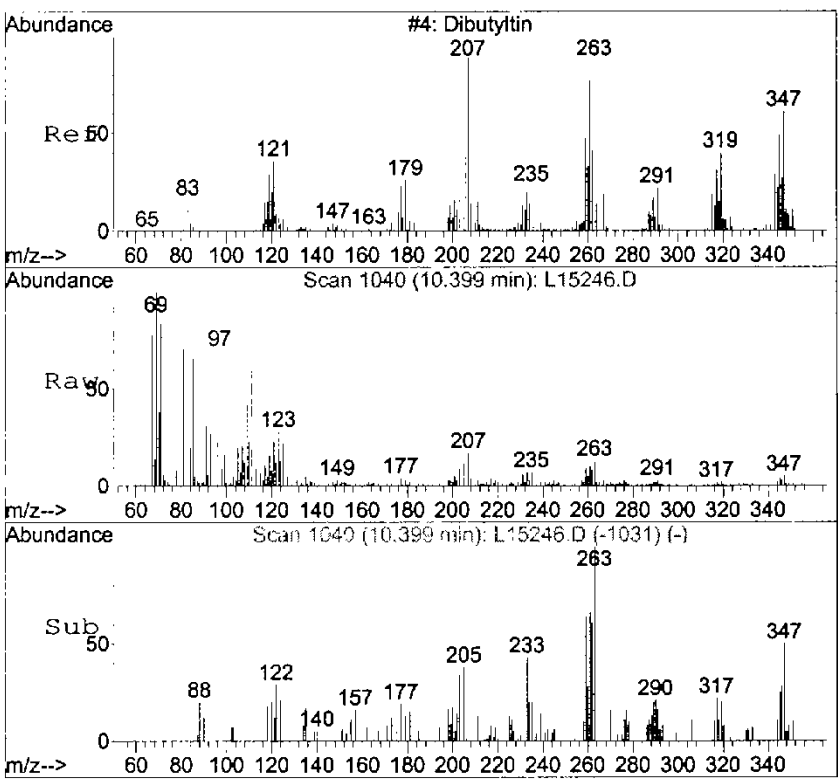


#4
Tributyltin
Concen: 43.07 PG/UL
RT: 9.70 min Scan# 970
Delta R.T. -0.00 min
Lab File: L15246.D
Acq: 23 Feb 2005 18:50

Tgt Ion:319 Resp: 126437

Ion	Ratio	Lower	Upper
319	100		
317	45.3	30.7	56.9
263	57.0	38.9	72.2

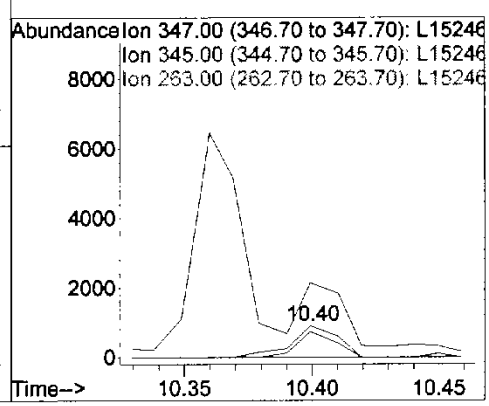




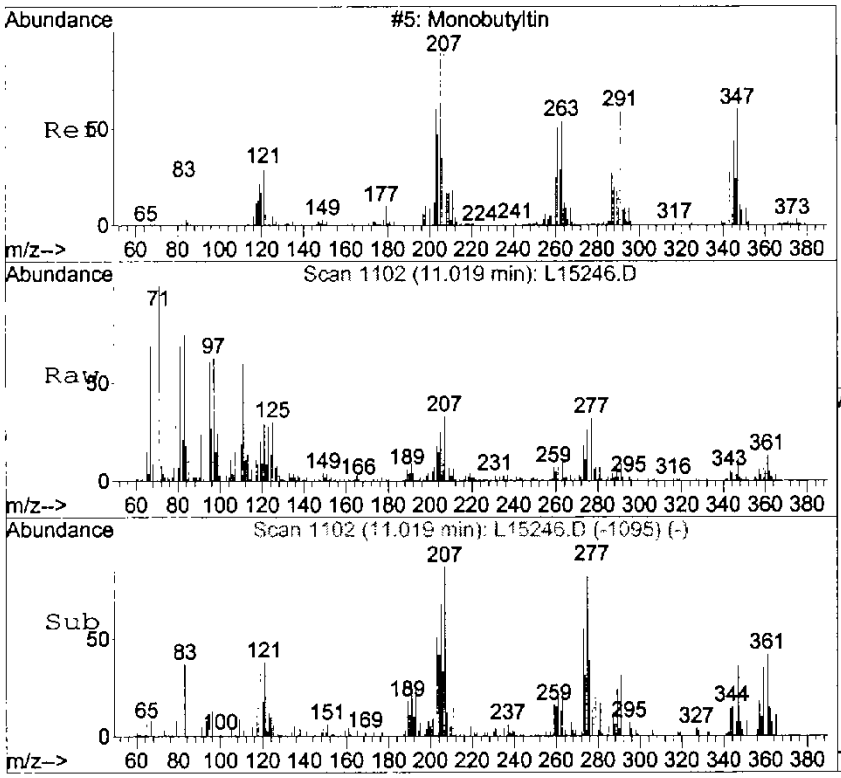
#5
Dibutyltin
Concen: 0.66 PG/UL
RT: 10.40 min Scan# 1040
Delta R.T. -0.01 min
Lab File: L15246.D
Acq: 23 Feb 2005 18:50

Tgt Ion:347 Resp: 3931

Ion	Ratio	Lower	Upper
347	100		
345	19.5	18.5	34.3
263	71.2	46.9	87.1



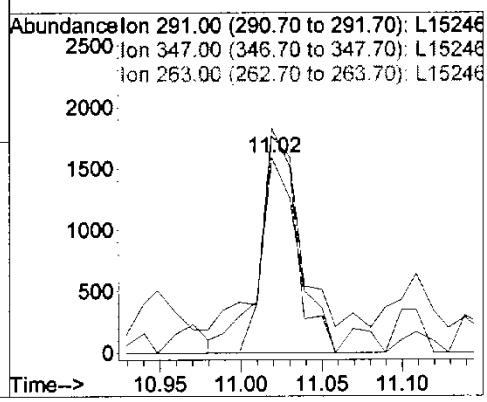
01064



#6
Monobutyltin
Concen: 1.34 PG/UL
RT: 11.02 min Scan# 1102
Delta R.T. -0.03 min
Lab File: L15246.D
Acq: 23 Feb 2005 18:50

Tgt Ion:291 Resp: 5584

Ion	Ratio	Lower	Upper
291	100		
347	46.8	17.9	71.7
263	48.0	25.7	102.7



01065

Quantitation Report (QT Reviewed)

Data File : T:\DATA\02232005\L15247.D Vial: 0
Acq On : 23 Feb 2005 19:14 Operator:
Sample : 126377-3 &20 SOIL ORGTIN Inst :
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 24 13:52:01 2005 Quant Results File: ORGTIN02232005.RI

Quant Method : T:\METHODS\ORGTIN02232005.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Thu Feb 24 13:30:28 2005
Response via : Initial Calibration
DataAcq Meth :

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Phenanthrene D10 (I)	9.57	188	238986+	100.00 pg/ul	0.00
System Monitoring Compounds					
2) Tripentyltin (S)	10.70	347	156648+	64.91 PG/UL	0.00

Target Compounds Qvalue

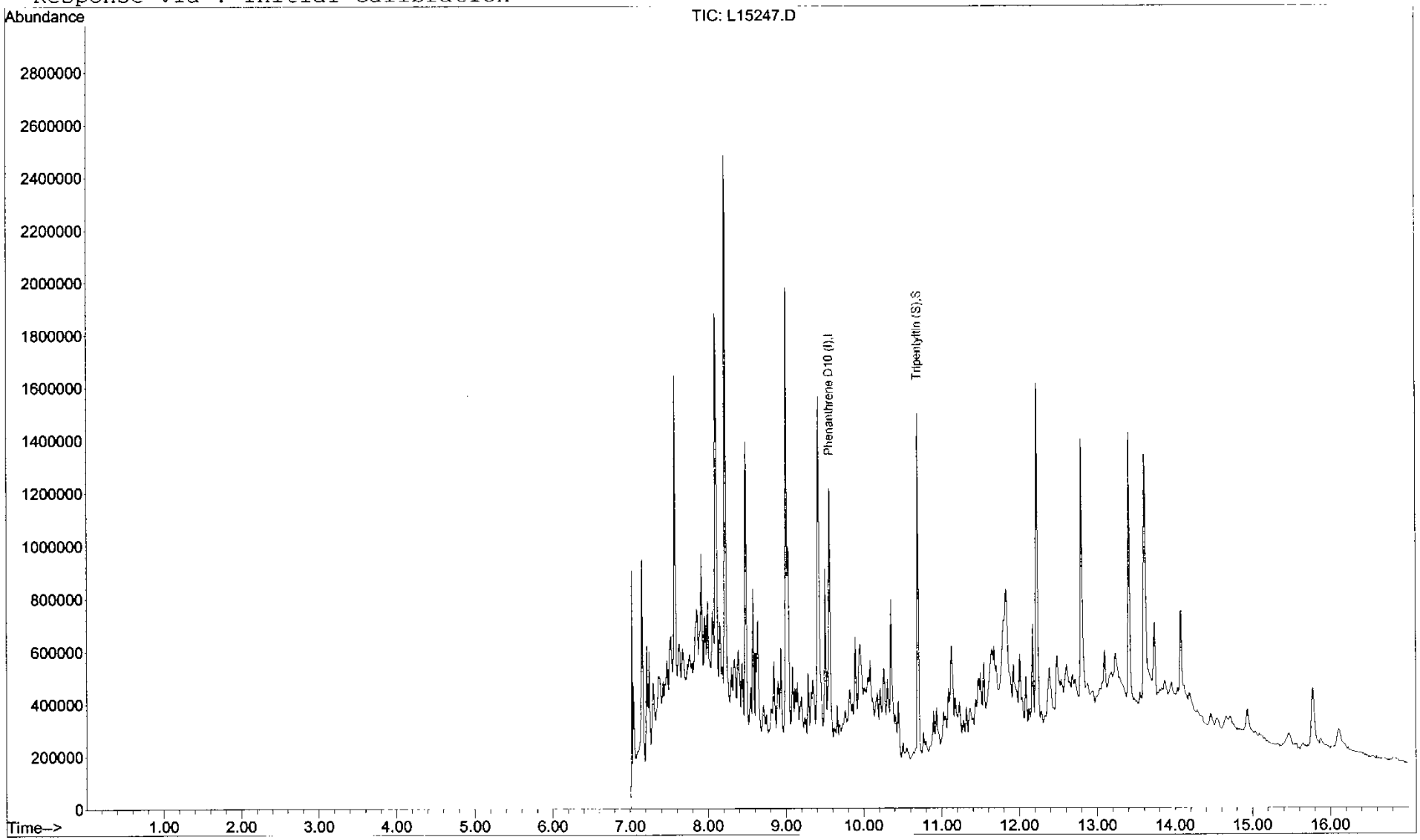
(#) = qualifier out of range (m) = manual integration (+) = signals summed

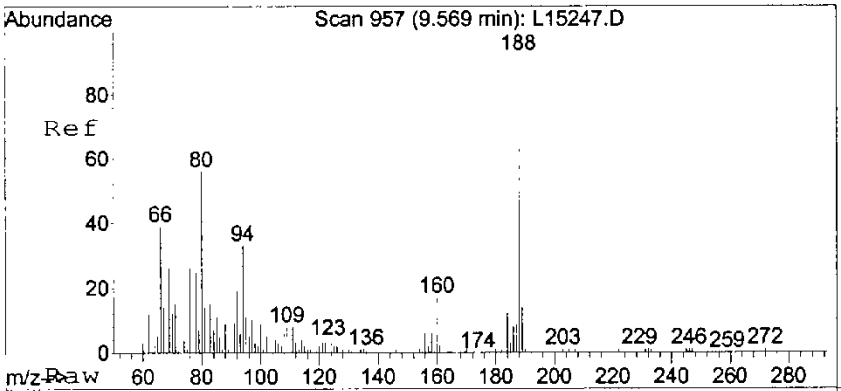
01066

Quantitation Report (QT Reviewed)

Data File : T:\DATA\02232005\L15247.D Vial: 0
Acq On : 23 Feb 2005 19:14 Operator:
Sample : 126377-3 &20 SOIL ORGTIN Inst :
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 24 13:52 2005 Quant Results File: ORGTIN02232005.RES

Method : T:\METHODS\ORGTIN02232005.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Thu Feb 24 13:30:28 2005
Response via : Initial Calibration

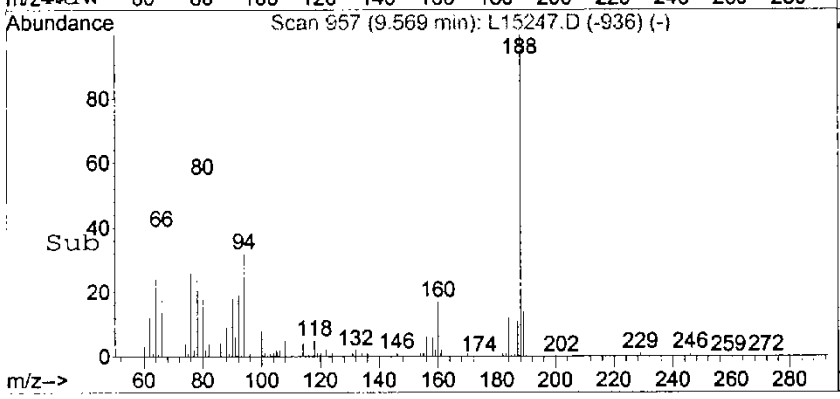


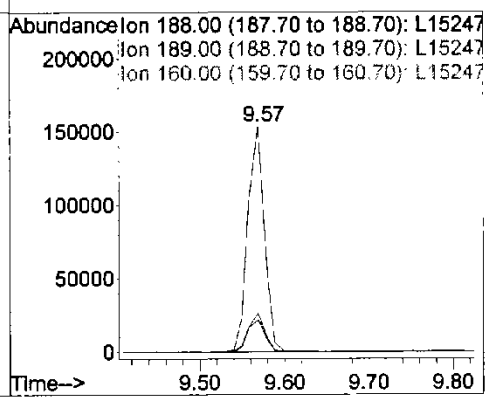


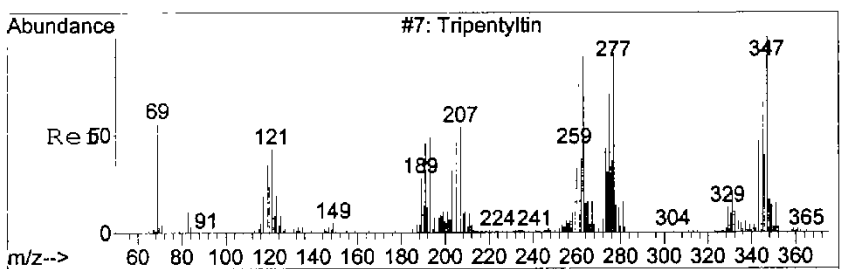
#1
Phenanthrene D10 (I)
Concen: 100.00 pg/ul
RT: 9.57 min Scan# 957
Delta R.T. 0.01 min
Lab File: L15247.D
Acq: 23 Feb 2005 19:14

Tgt Ion:188 Resp: 238986

Ion	Ratio	Lower	Upper
188	100		
189	13.2	7.6	17.8
160	15.6	8.2	19.2



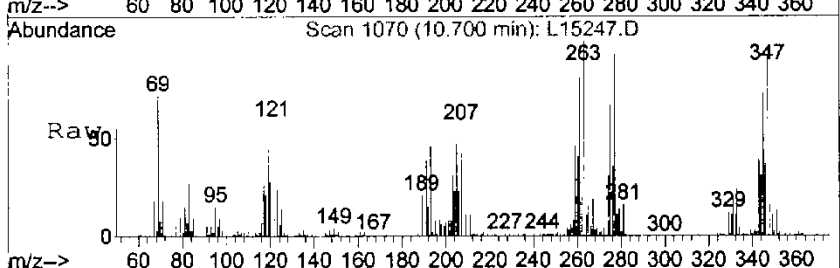


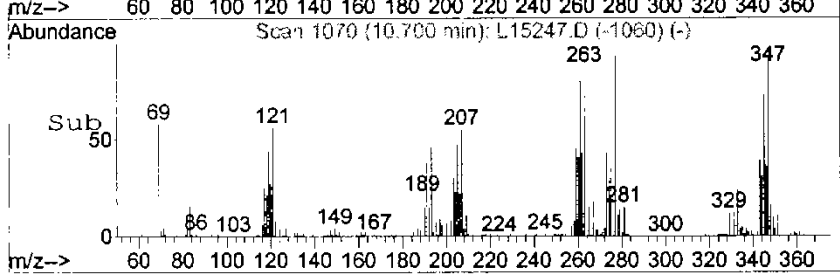


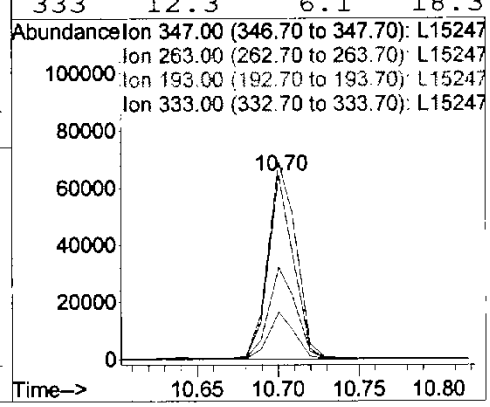
#2
Tripentyltin (S)
Concen: 64.91 PG/UL
RT: 10.70 min Scan# 1070
Delta R.T. 0.00 min
Lab File: L15247.D
Acq: 23 Feb 2005 19:14

Tgt Ion:347 Resp: 156648

Ion	Ratio	Lower	Upper
347	100		
263	54.3	22.8	91.2
193	24.6	12.0	36.0
333	12.3	6.1	18.3







01068

Quantitation Report (QT Reviewed)

Data File : T:\DATA\02232005\L15248.D Vial: 0
Acq On : 23 Feb 2005 19:38 Operator:
Sample : 126377-4 &20 SOIL ORGTIN Inst :
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 24 13:52:44 2005 Quant Results File: ORGTIN02232005.RE

Quant Method : T:\METHODS\ORGTIN02232005.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Thu Feb 24 13:30:28 2005
Response via : Initial Calibration
DataAcq Meth :

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Phenanthrene D10 (I)	9.56	188	230655+	100.00	pg/ul	0.00
System Monitoring Compounds						
2) Tripentyltin (S)	10.70	347	167419+	71.88	PG/UL	0.00
Target Compounds						Qvalue
6) Monobutyltin	11.02	291	5708+	1.49	PG/UL	92

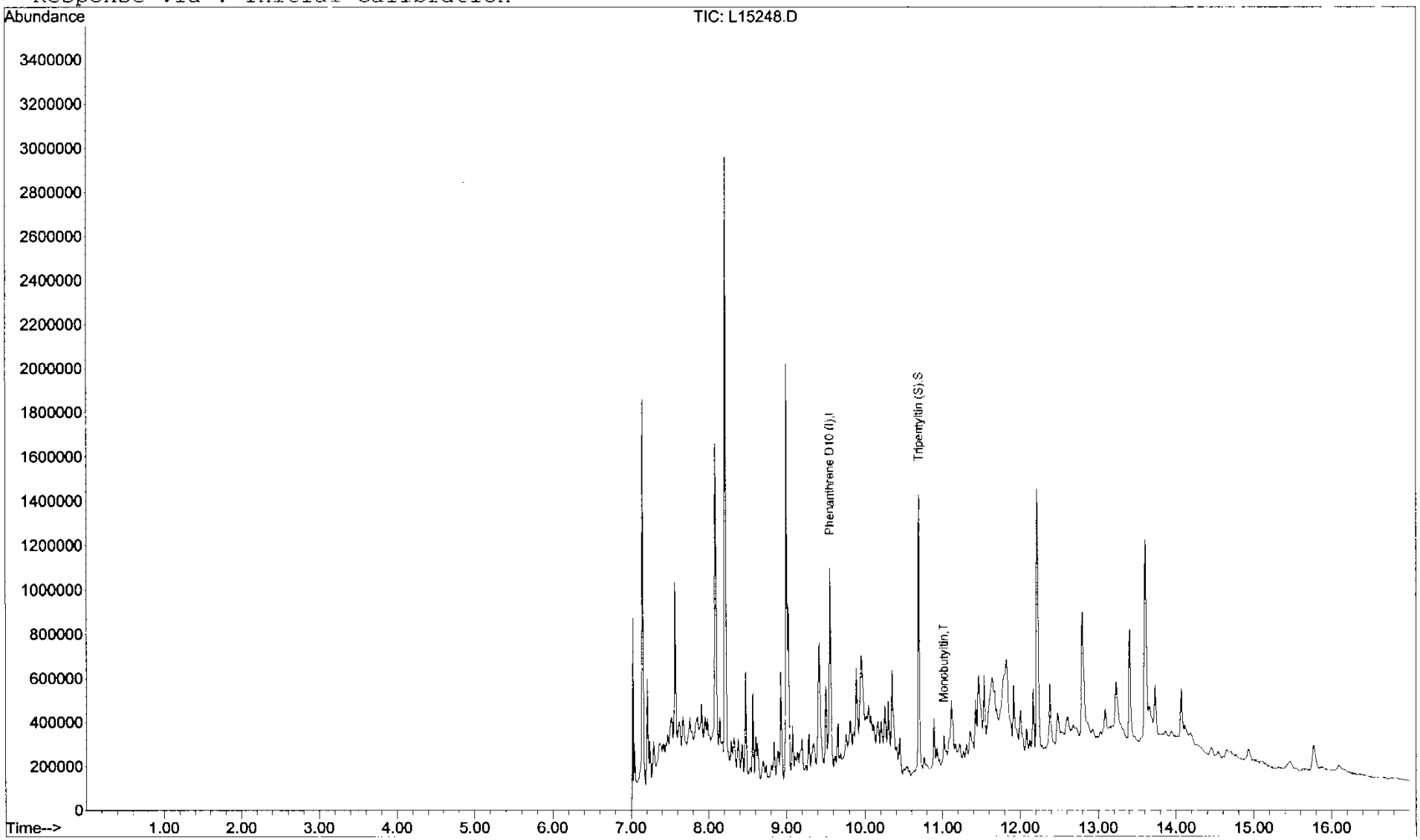
(#) = qualifier out of range (m) = manual integration (+) = signals summed

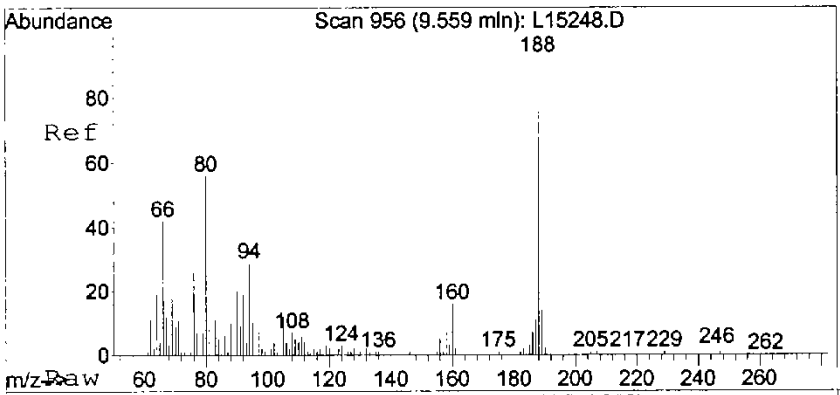
01069

Quantitation Report (QT Reviewed)

Data File : T:\DATA\02232005\L15248.D Vial: 0
Acq On : 23 Feb 2005 19:38 Operator:
Sample : 126377-4 &20 SOIL ORGTIN Inst :
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 24 13:52 2005 Quant Results File: ORGTIN02232005.RES

Method : T:\METHODS\ORGTIN02232005.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Thu Feb 24 13:30:28 2005
Response via : Initial Calibration

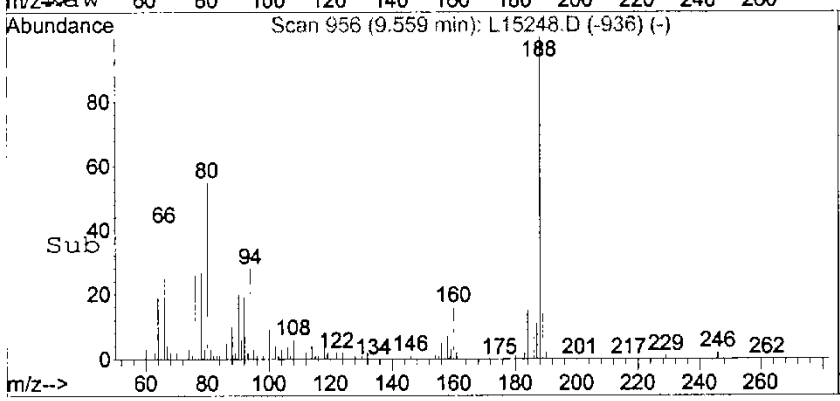


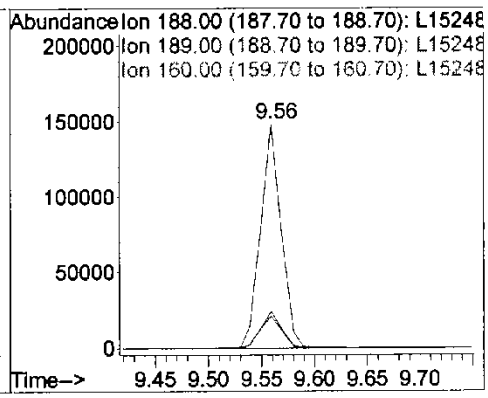


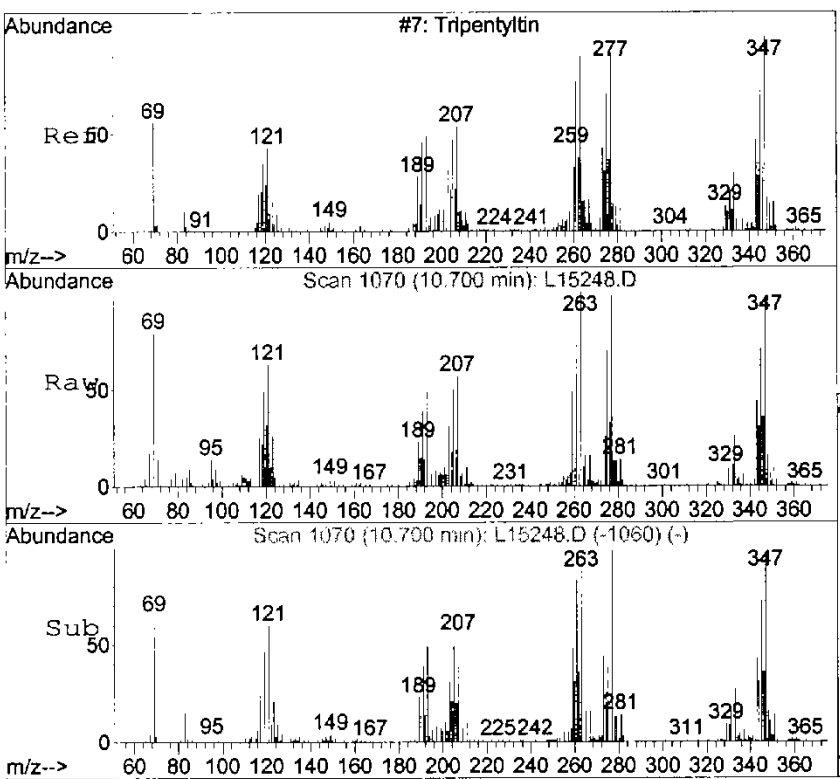
#1
Phenanthrene D10 (I)
Concen: 100.00 pg/ul
RT: 9.56 min Scan# 956
Delta R.T. -0.00 min
Lab File: L15248.D
Acq: 23 Feb 2005 19:38

Tgt Ion:188 Resp: 230655

Ion	Ratio	Lower	Upper
188	100		
189	13.8	7.6	17.8
160	14.6	8.2	19.2



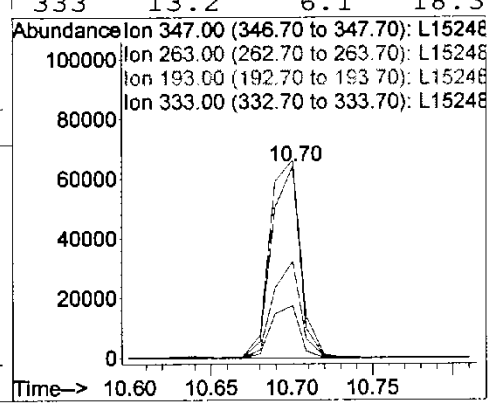




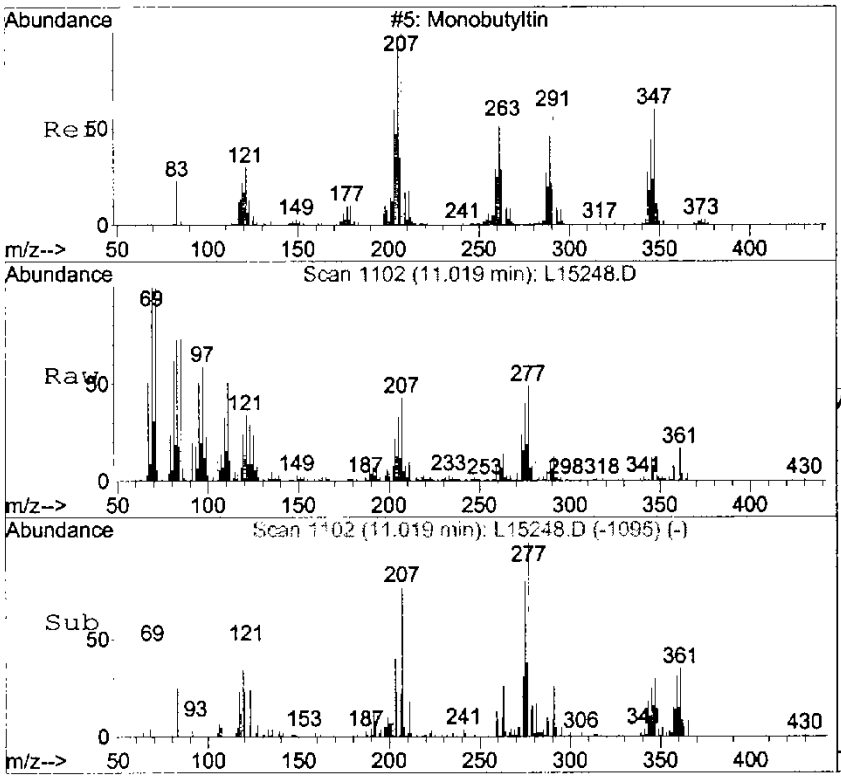
#2
Tripentyltin (S)
Concen: 71.88 PG/UL
RT: 10.70 min Scan# 1070
Delta R.T. 0.00 min
Lab File: L15248.D
Acq: 23 Feb 2005 19:38

Tgt Ion:347 Resp: 167419

Ion	Ratio	Lower	Upper
347	100		
263	53.1	22.8	91.2
193	23.7	12.0	36.0
333	13.2	6.1	18.3



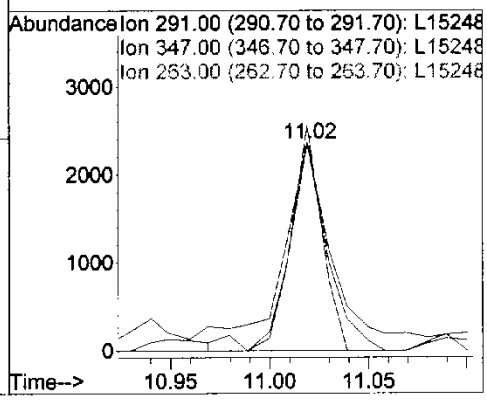
01071



#6
Monobutyltin
Concen: 1.49 PG/UL
RT: 11.02 min Scan# 1102
Delta R.T. -0.03 min
Lab File: L15248.D
Acq: 23 Feb 2005 19:38

Tgt Ion:291 Resp: 5708

Ion	Ratio	Lower	Upper
291	100		
347	46.5	17.9	71.7
263	54.7	25.7	102.7



01072

Quantitation Report (QT Reviewed)

Data File : T:\DATA\02232005\L15249.D Vial: 0
Acq On : 23 Feb 2005 20:02 Operator:
Sample : 126377-5 &20 SOIL ORGTIN Inst :
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 24 13:53:18 2005 Quant Results File: ORGTIN02232005.RE

Quant Method : T:\METHODS\ORGTIN02232005.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Thu Feb 24 13:30:28 2005
Response via : Initial Calibration
DataAcq Meth :

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Phenanthrene D10 (I)	9.56	188	218476+	100.00	pg/ul	0.00
System Monitoring Compounds						
2) Tripentyltin (S)	10.70	347	146133+	66.24	PG/UL	0.00
Target Compounds						Qvalue
6) Monobutyltin	11.02	291	5074+	1.40	PG/UL	86

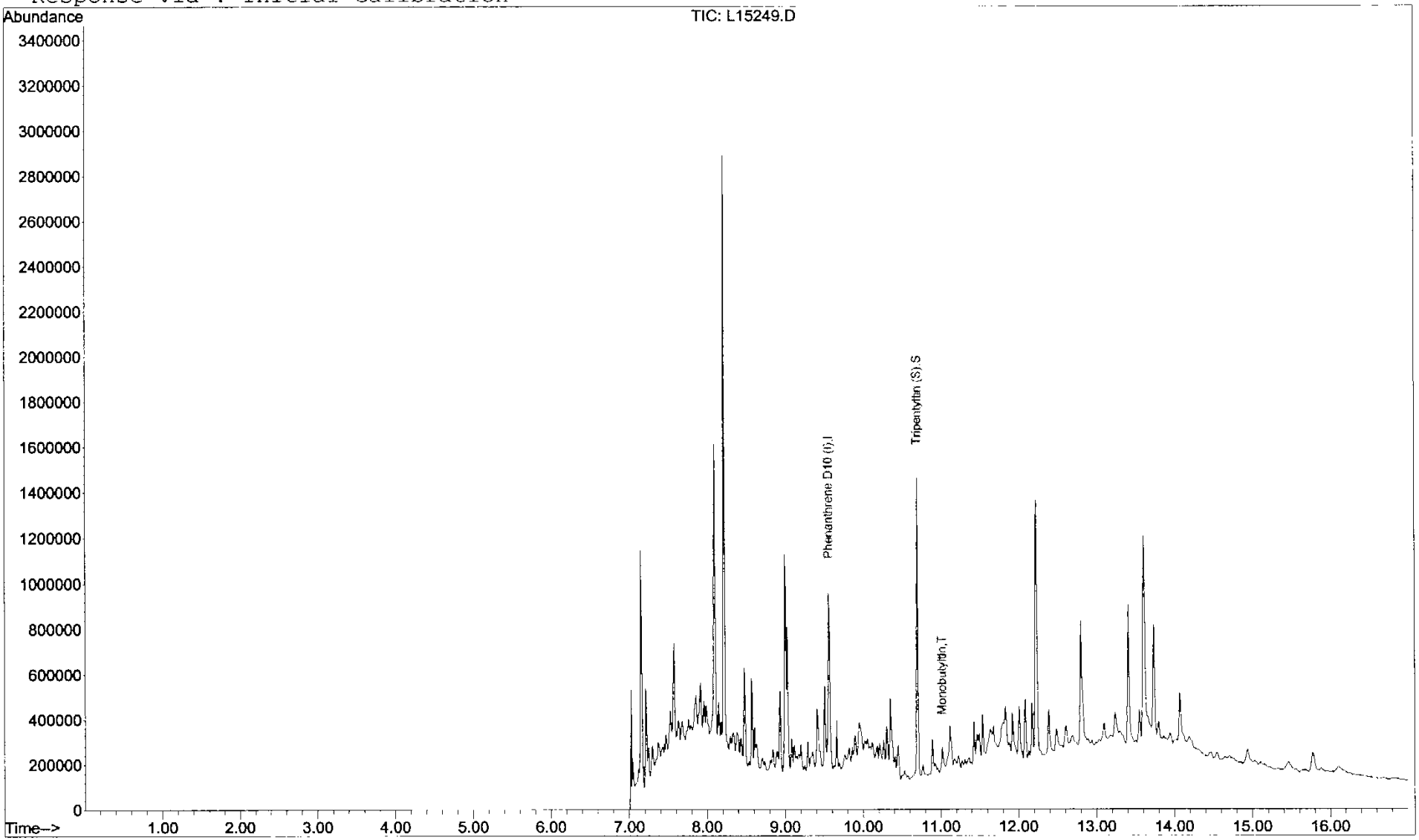
(#) = qualifier out of range (m) = manual integration (+) = signals summed

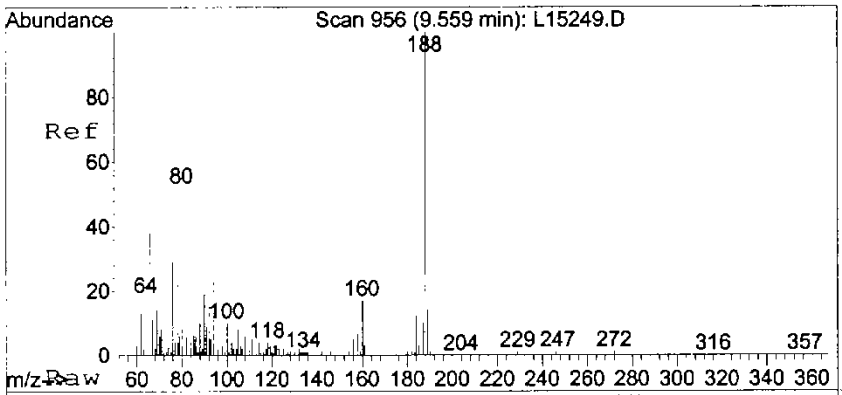
01073

Quantitation Report (QT Reviewed)

Data File : T:\DATA\02232005\L15249.D Vial: 0
Acq On : 23 Feb 2005 20:02 Operator:
Sample : 126377-5 &20 SOIL ORGTIN Inst :
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 24 13:53 2005 Quant Results File: ORGTIN02232005.RES

Method : T:\METHODS\ORGTIN02232005.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Thu Feb 24 13:30:28 2005
Response via : Initial Calibration

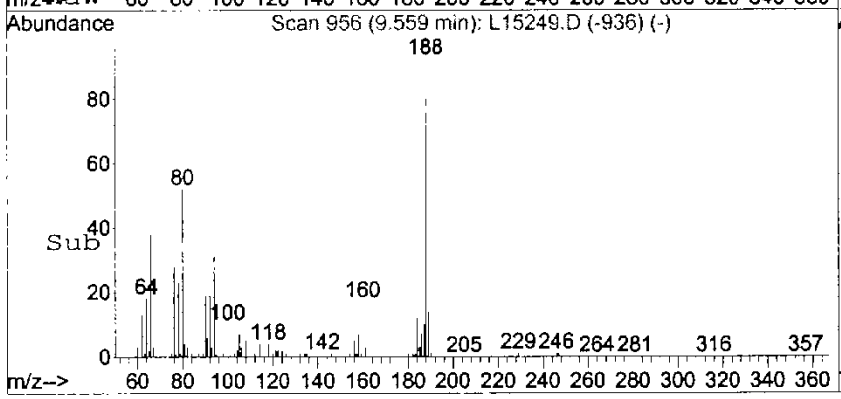


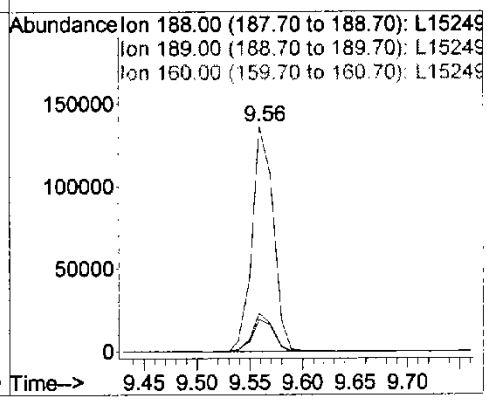


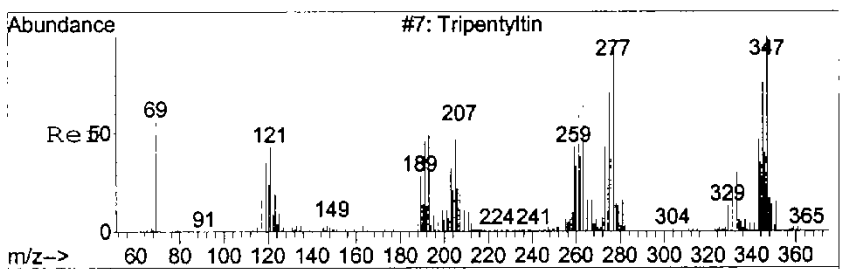
#1
Phenanthrene D10 (I)
Concen: 100.00 pg/ul
RT: 9.56 min Scan# 956
Delta R.T. -0.00 min
Lab File: L15249.D
Acq: 23 Feb 2005 20:02

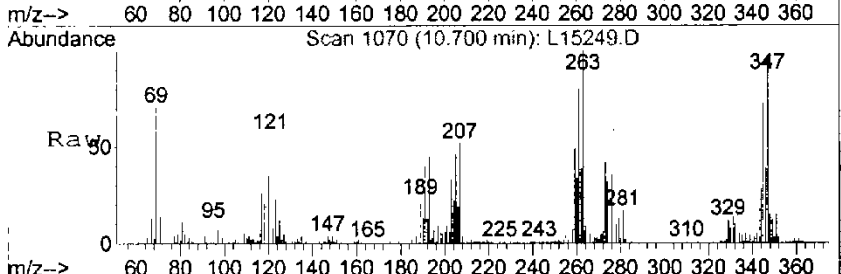
Tgt Ion:188 Resp: 218476

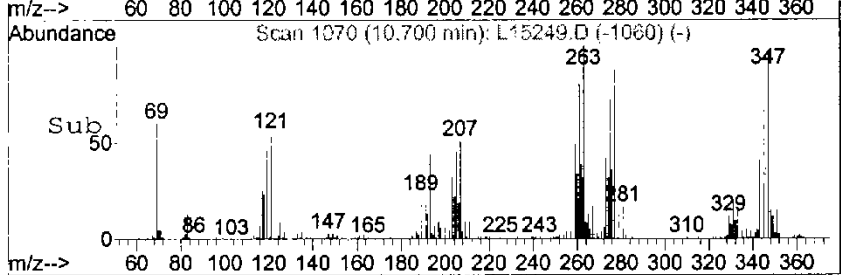
Ion	Ratio	Lower	Upper
188	100		
189	13.4	7.6	17.8
160	14.7	8.2	19.2







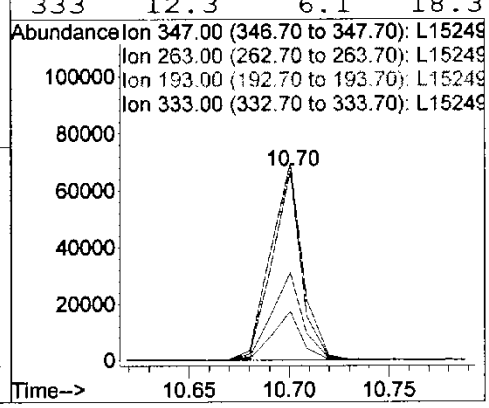




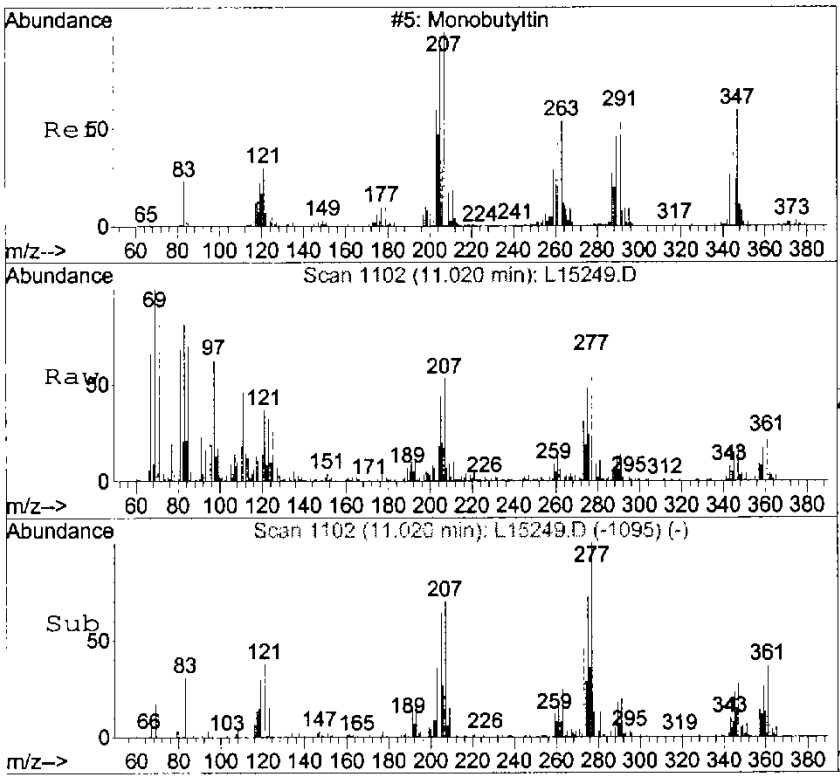
#2
Tripentyltin (S)
Concen: 66.24 PG/UL
RT: 10.70 min Scan# 1070
Delta R.T. 0.00 min
Lab File: L15249.D
Acq: 23 Feb 2005 20:02

Tgt Ion:347 Resp: 146133

Ion	Ratio	Lower	Upper
347	100		
263	53.4	22.8	91.2
193	23.5	12.0	36.0
333	12.3	6.1	18.3



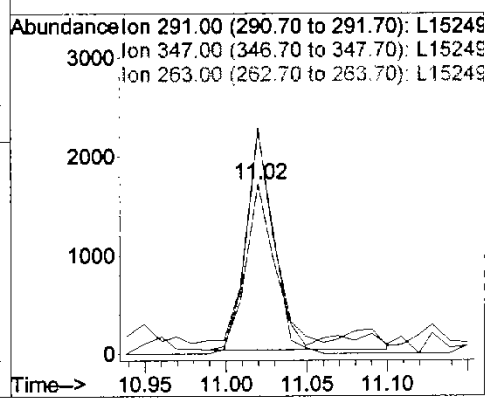
01075



#6
Monobutyltin
Concen: 1.40 PG/UL
RT: 11.02 min Scan# 1102
Delta R.T. -0.03 min
Lab File: L15249.D
Acq: 23 Feb 2005 20:02

Tgt Ion:291 Resp: 5074

Ion	Ratio	Lower	Upper
291	100		
347	52.5	17.9	71.7
263	51.5	25.7	102.7



01076

Quantitation Report (QT Reviewed)

Data File : T:\DATA\02232005\L15250.D Vial: 0
Acq On : 23 Feb 2005 20:26 Operator:
Sample : 126377-6 &20 SOIL ORGTIN Inst :
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 24 13:53:59 2005 Quant Results File: ORGTIN02232005.RE

Quant Method : T:\METHODS\ORGTIN02232005.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Thu Feb 24 13:30:28 2005
Response via : Initial Calibration
DataAcq Meth :

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Phenanthrene D10 (I)	9.55	188	233695+	100.00	pg/ul	-0.01
System Monitoring Compounds						
2) Tripentyltin (S)	10.69	347	138267+	58.59	PG/UL	0.00
Target Compounds						Qvalue
6) Monobutyltin	11.01	291	5530+	1.43	PG/UL	88

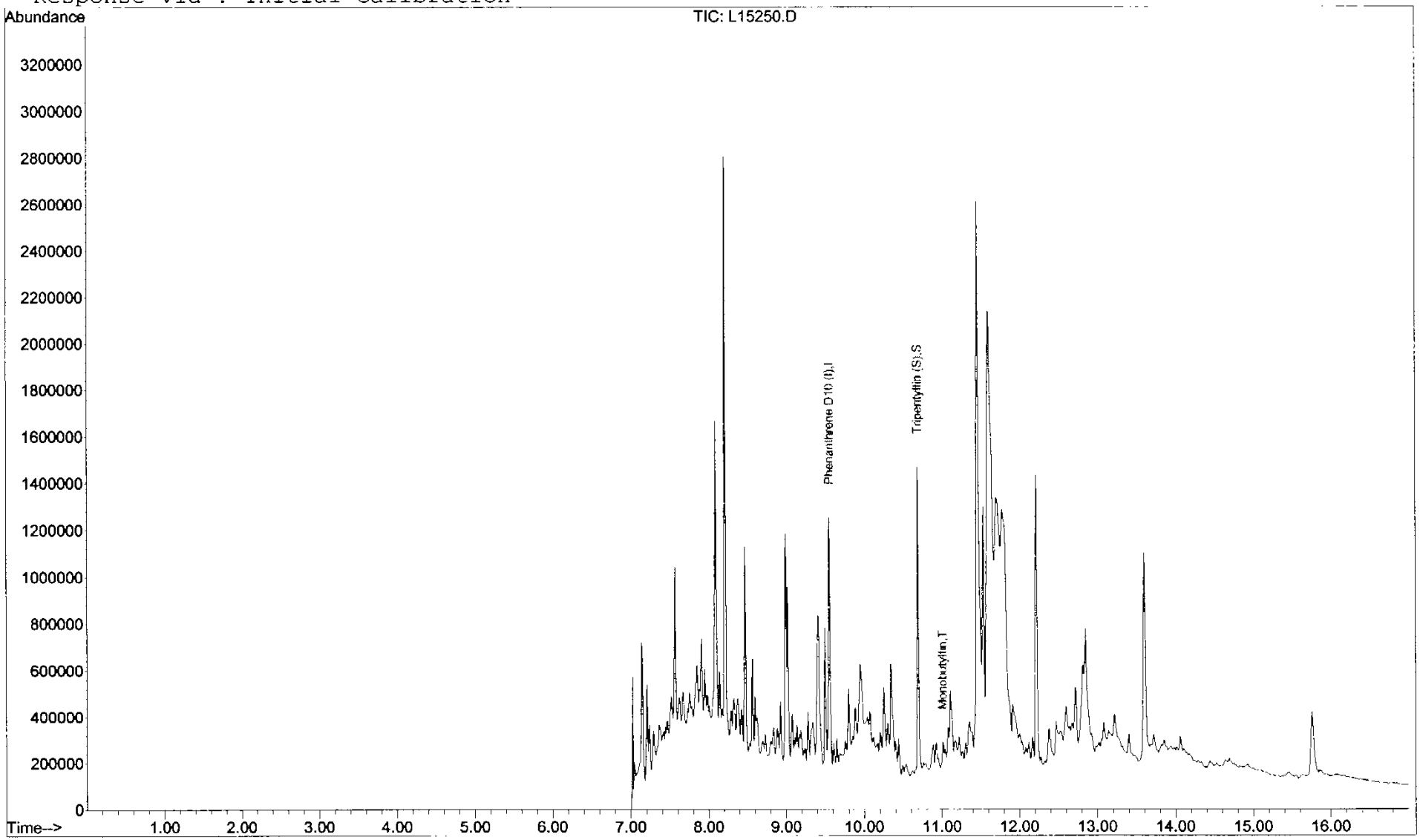
(#) = qualifier out of range (m) = manual integration (+) = signals summed

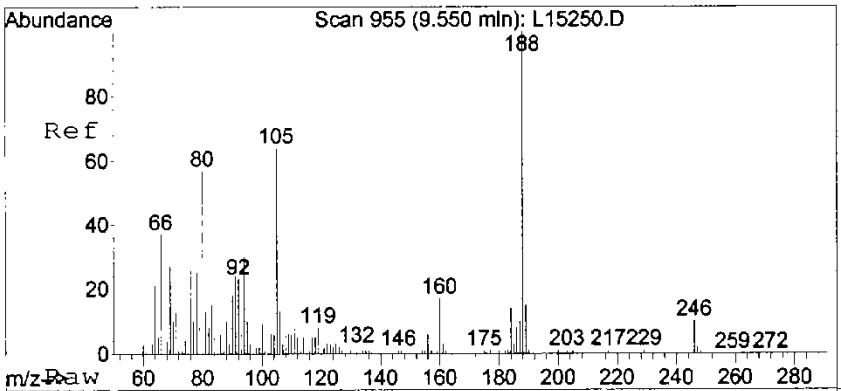
01077

Quantitation Report (QT Reviewed)

Data File : T:\DATA\02232005\L15250.D Vial: 0
Acq On : 23 Feb 2005 20:26 Operator:
Sample : 126377-6 &20 SOIL ORGTIN Inst :
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 24 13:54 2005 Quant Results File: ORGTIN02232005.RES

Method : T:\METHODS\ORGTIN02232005.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Thu Feb 24 13:30:28 2005
Response via : Initial Calibration

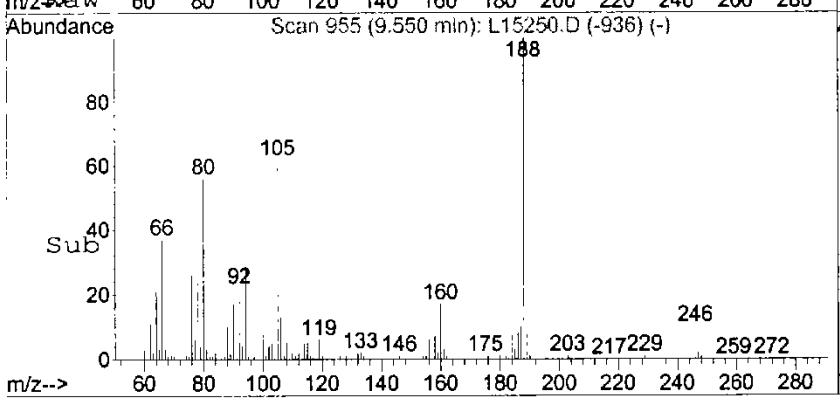


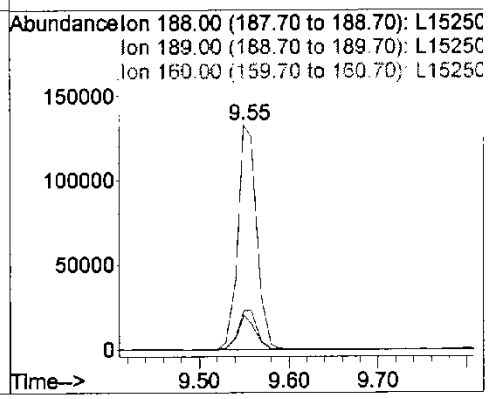


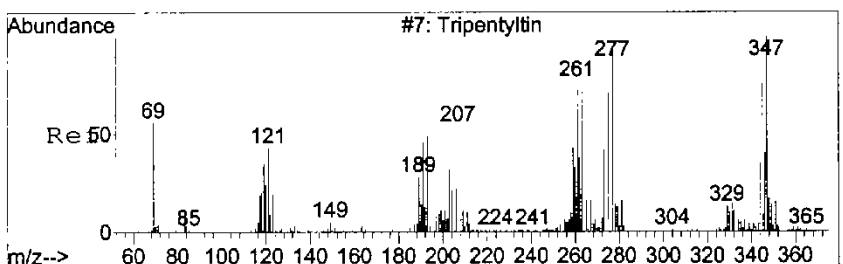
#1
Phenanthrene D10 (I)
Concen: 100.00 pg/ul
RT: 9.55 min Scan# 955
Delta R.T. -0.01 min
Lab File: L15250.D
Acq: 23 Feb 2005 20:26

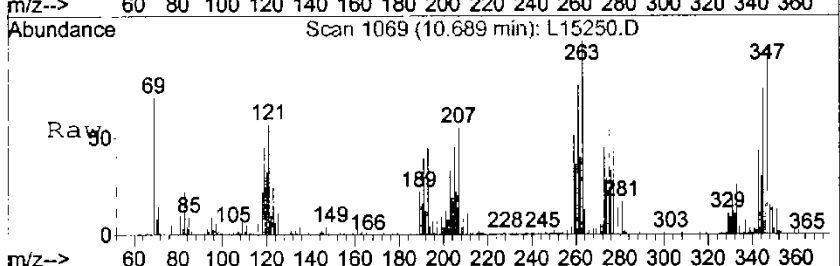
Tgt Ion:188 Resp: 233695

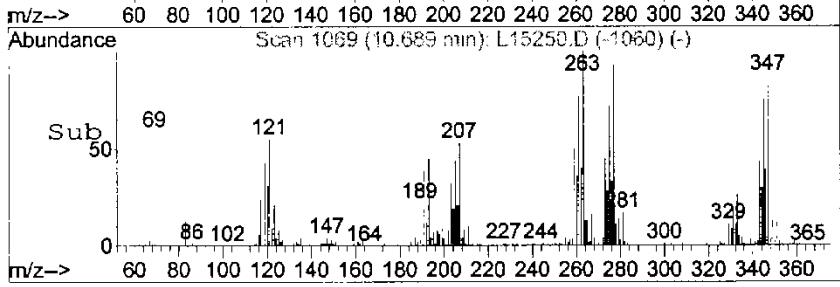
Ion	Ratio	Lower	Upper
188	100		
189	12.8	7.6	17.8
160	15.7	8.2	19.2







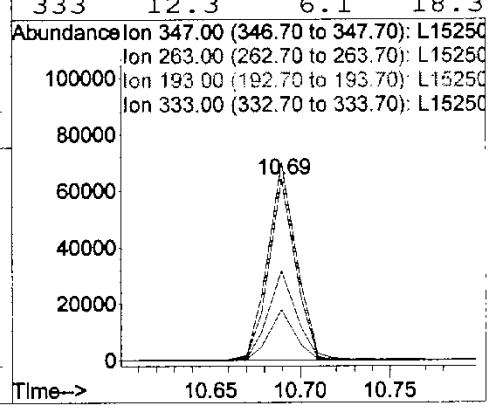




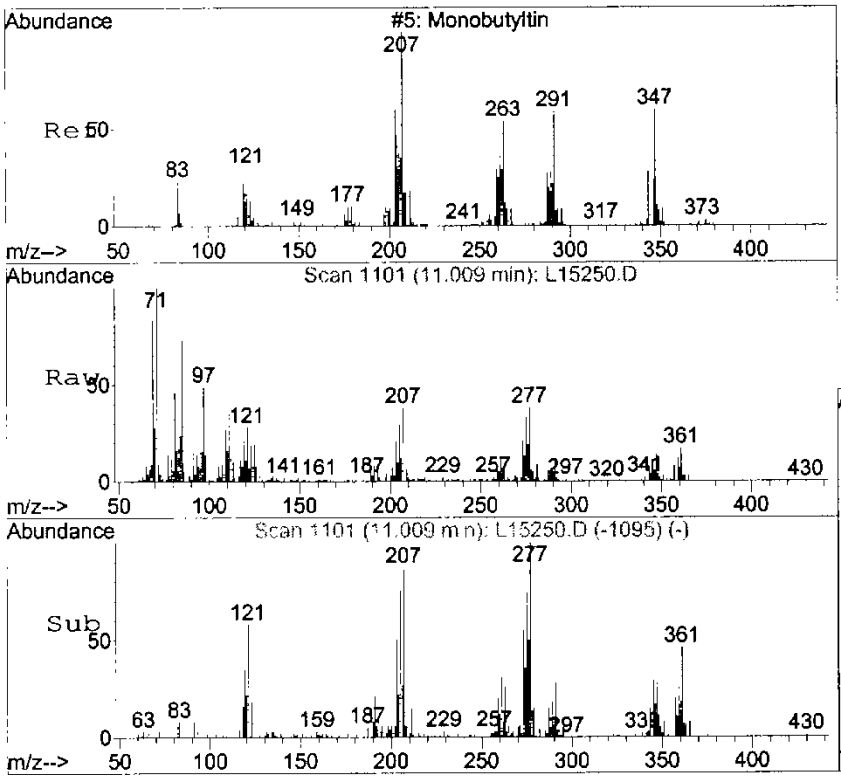
#2
Tripentyltin (S)
Concen: 58.59 PG/UL
RT: 10.69 min Scan# 1069
Delta R.T. -0.01 min
Lab File: L15250.D
Acq: 23 Feb 2005 20:26

Tgt Ion:347 Resp: 138267

Ion	Ratio	Lower	Upper
347	100		
263	54.5	22.8	91.2
193	24.1	12.0	36.0
333	12.3	6.1	18.3



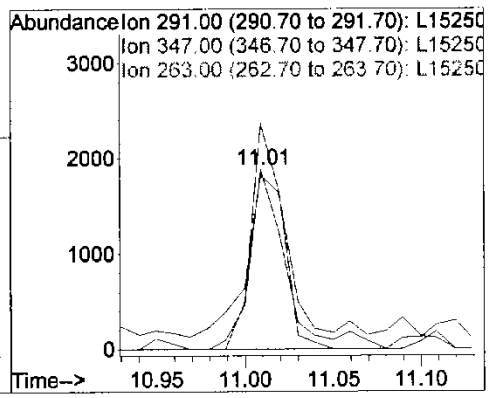
010079



#6
Monobutyltin
Concen: 1.43 PG/UL
RT: 11.01 min Scan# 1101
Delta R.T. -0.04 min
Lab File: L15250.D
Acq: 23 Feb 2005 20:26

Tgt Ion:291 Resp: 5530

Ion	Ratio	Lower	Upper
291	100		
347	51.2	17.9	71.7
263	53.2	25.7	102.7



Quantitation Report (QT Reviewed)

Data File : T:\DATA\02232005\L15251.D Vial: 0
Acq On : 23 Feb 2005 20:51 Operator:
Sample : 126377-7 &20 SOIL ORGTIN Inst :
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 24 13:54:38 2005 Quant Results File: ORGTIN02232005.RE

Quant Method : T:\METHODS\ORGTIN02232005.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Thu Feb 24 13:30:28 2005
Response via : Initial Calibration
DataAcq Meth :

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Phenanthrene D10 (I)	9.55	188	227359+	100.00	pg/ul	0.00
System Monitoring Compounds						
2) Tripentyltin (S)	10.69	347	152237+	66.31	PG/UL	0.00

Target Compounds Qvalue

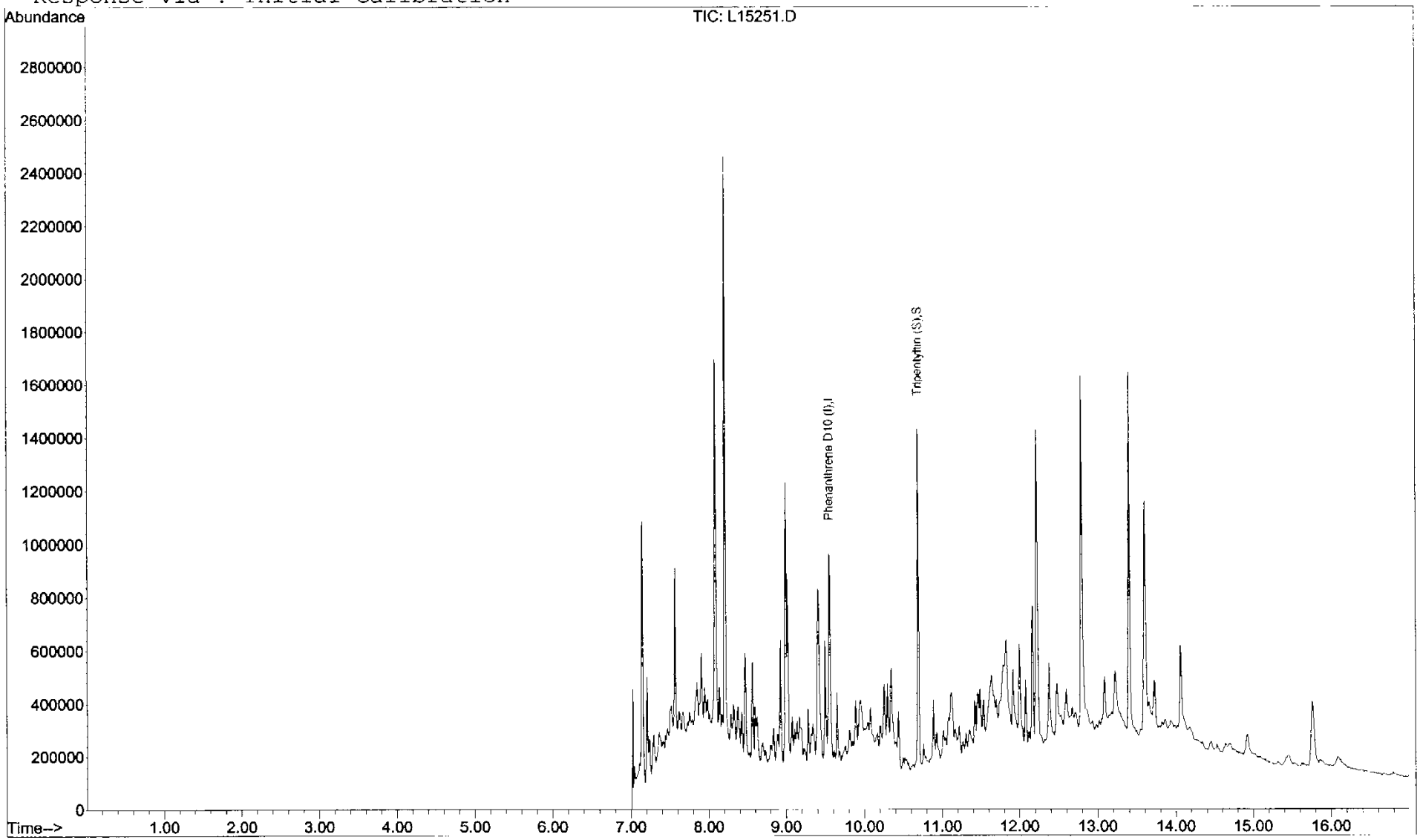
(#) = qualifier out of range (m) = manual integration (+) = signals summed

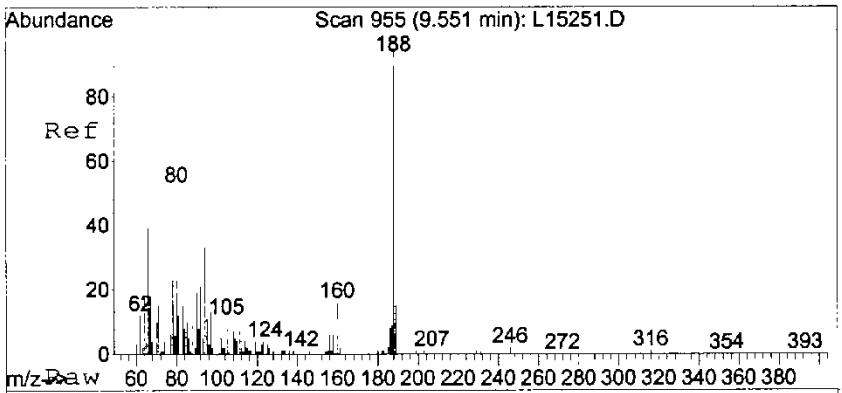
01081

Quantitation Report (QT Reviewed)

Data File : T:\DATA\02232005\L15251.D Vial: 0
Acq On : 23 Feb 2005 20:51 Operator:
Sample : 126377-7 &20 SOIL ORGTIN Inst :
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 24 13:55 2005 Quant Results File: ORGTIN02232005.RES

Method : T:\METHODS\ORGTIN02232005.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Thu Feb 24 13:30:28 2005
Response via : Initial Calibration

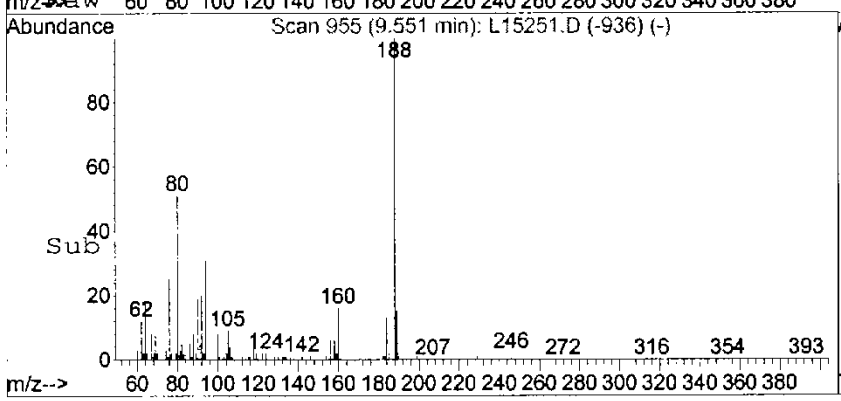


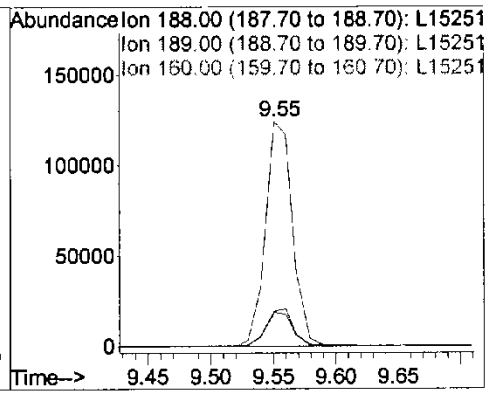


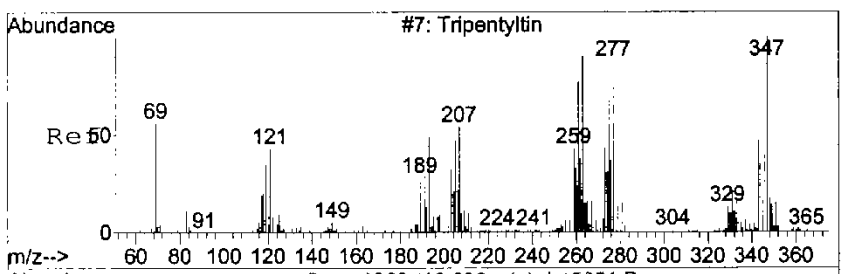
#1
Phenanthrene D10 (I)
Concen: 100.00 pg/ul
RT: 9.55 min Scan# 955
Delta R.T. -0.01 min
Lab File: L15251.D
Acq: 23 Feb 2005 20:51

Tgt Ion:188 Resp: 227359

Ion	Ratio	Lower	Upper
188	100		
189	13.2	7.6	17.8
160	14.3	8.2	19.2



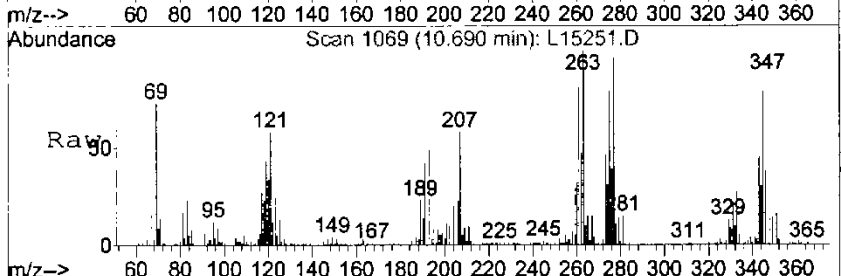


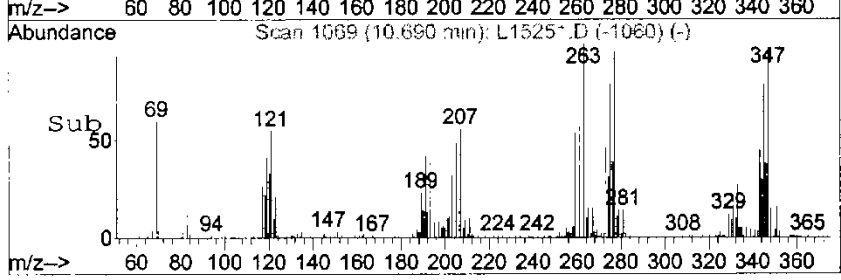


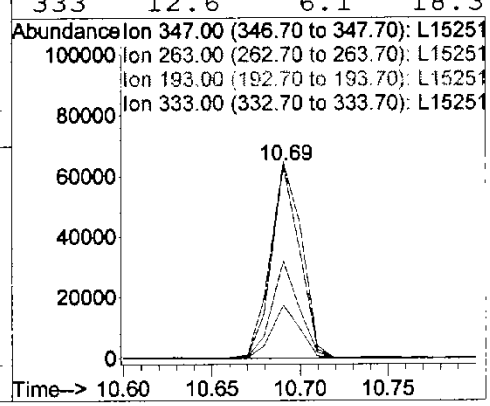
#2
Tripentyltin (S)
Concen: 66.31 PG/UL
RT: 10.69 min Scan# 1069
Delta R.T. -0.01 min
Lab File: L15251.D
Acq: 23 Feb 2005 20:51

Tgt Ion:347 Resp: 152237

Ion	Ratio	Lower	Upper
347	100		
263	53.2	22.8	91.2
193	22.8	12.0	36.0
333	12.6	6.1	18.3







01083

Quantitation Report (QT Reviewed)

Data File : T:\DATA\02232005\L15252.D Vial: 0
Acq On : 23 Feb 2005 21:15 Operator:
Sample : 126377-8 &20 SOIL ORGTIN Inst :
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 24 13:55:34 2005 Quant Results File: ORGTIN02232005.RE

Quant Method : T:\METHODS\ORGTIN02232005.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Thu Feb 24 13:30:28 2005
Response via : Initial Calibration
DataAcq Meth :

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Phenanthrene D10 (I)	9.56	188	207425+	100.00	pg/ul	0.00
System Monitoring Compounds						
2) Tripentyltin (S)	10.70	347	133770+	63.86	PG/UL	0.00
Target Compounds						Qvalue
4) Tributyltin	9.69	319	3274+	1.35	PG/UL	83
5) Dibutyltin	10.39	347	8580+	1.74	PG/UL	60
6) Monobutyltin	11.02	291	4555+	1.32	PG/UL	93

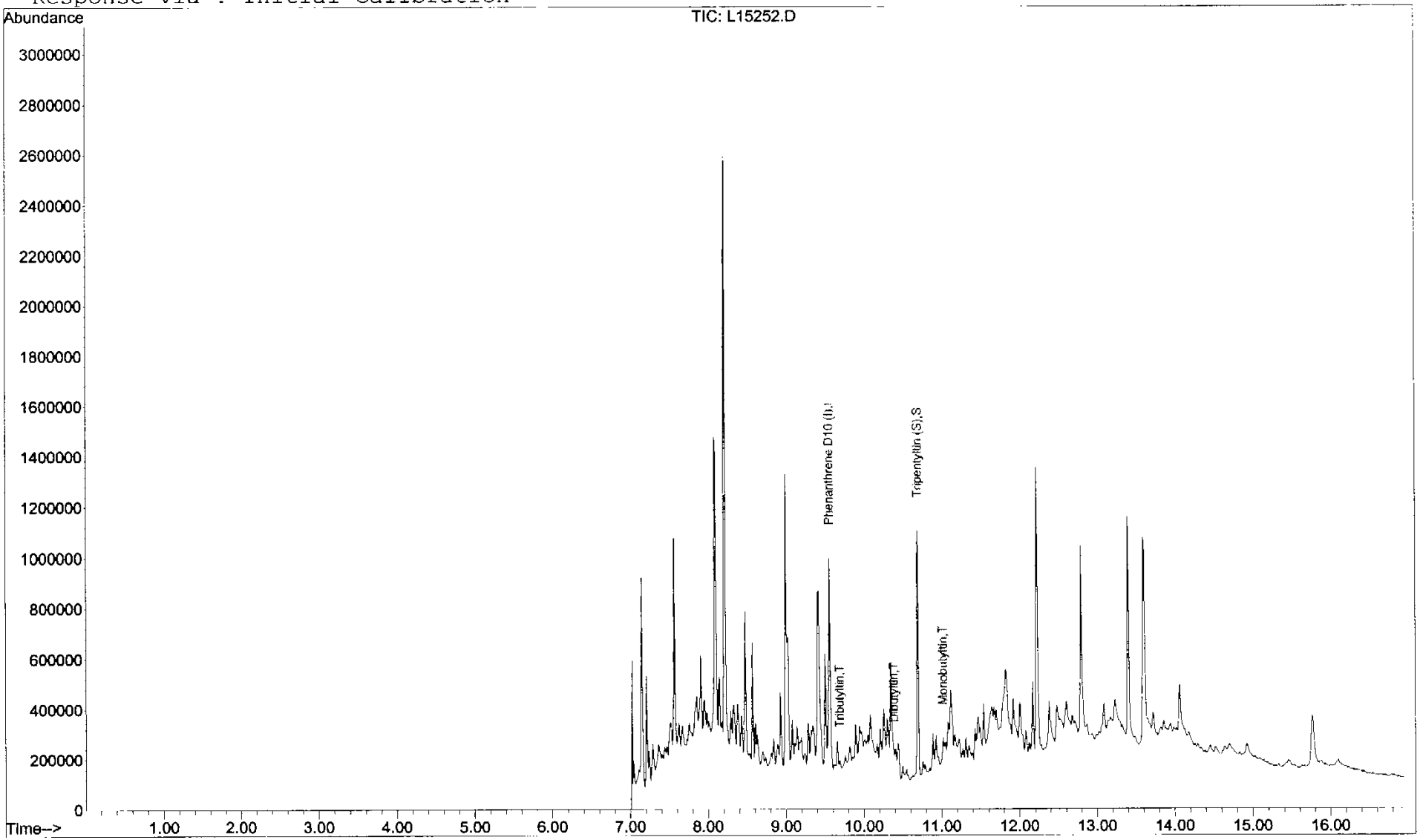
(#) = qualifier out of range (m) = manual integration (+) = signals summed

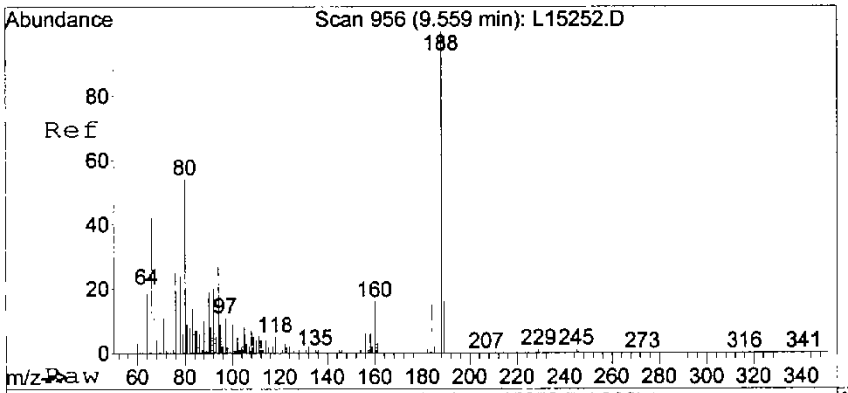
01084

Quantitation Report (QT Reviewed)

Data File : T:\DATA\02232005\L15252.D Vial: 0
Acq On : 23 Feb 2005 21:15 Operator:
Sample : 126377-8 &20 SOIL ORGTIN Inst :
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 24 13:55 2005 Quant Results File: ORGTIN02232005.RES

Method : T:\METHODS\ORGTIN02232005.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Thu Feb 24 13:30:28 2005
Response via : Initial Calibration

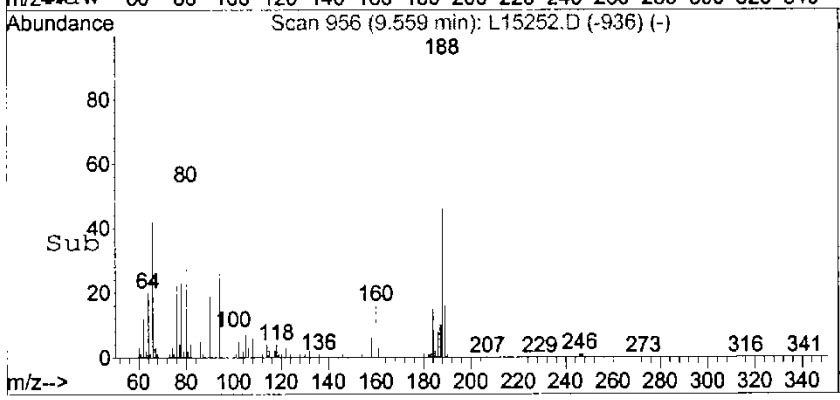


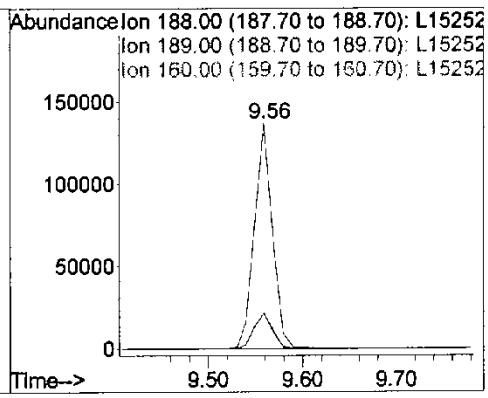


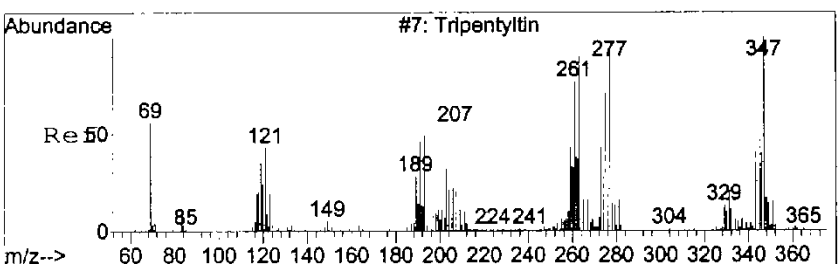
#1
Phenanthrene D10 (I)
Concen: 100.00 pg/ul
RT: 9.56 min Scan# 956
Delta R.T. -0.00 min
Lab File: L15252.D
Acq: 23 Feb 2005 21:15

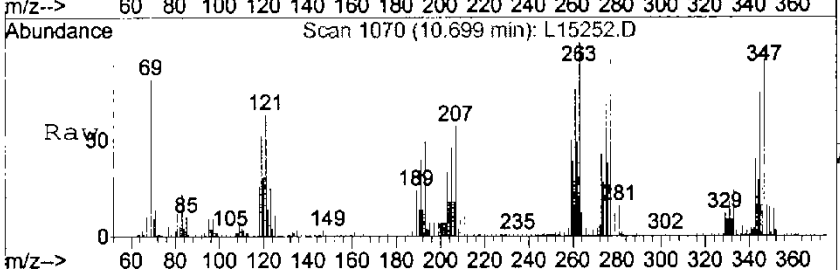
Tgt Ion:188 Resp: 207425

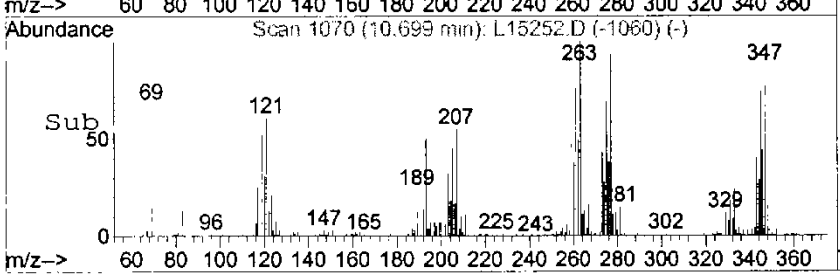
Ion	Ratio	Lower	Upper
188	100		
189	14.1	7.6	17.8
160	14.5	8.2	19.2







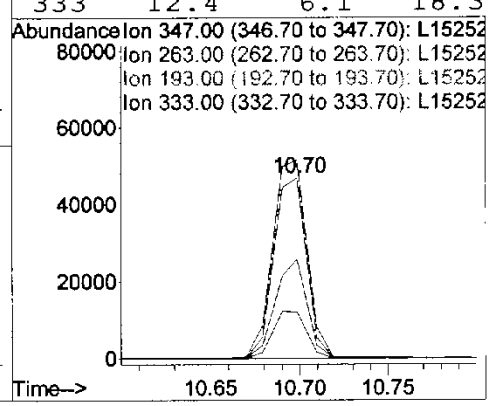




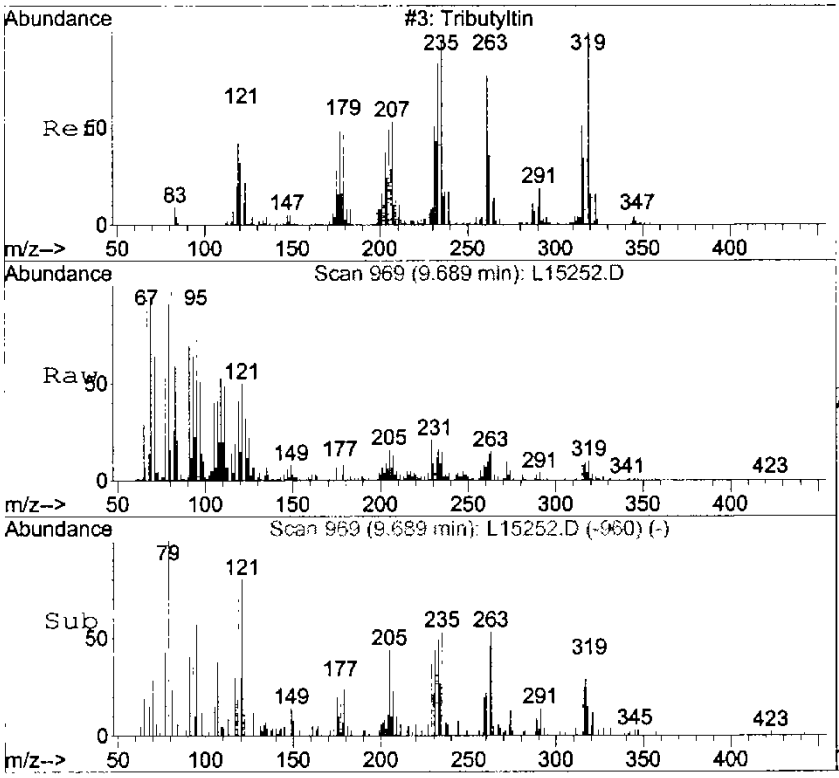
#2
Tripentyltin (S)
Concen: 63.86 PG/UL
RT: 10.70 min Scan# 1070
Delta R.T. -0.00 min
Lab File: L15252.D
Acq: 23 Feb 2005 21:15

Tgt Ion:347 Resp: 133770

Ion	Ratio	Lower	Upper
347	100		
263	53.9	22.8	91.2
193	24.3	12.0	36.0
333	12.4	6.1	18.3



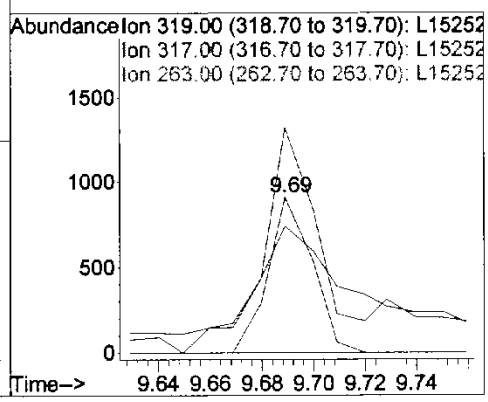
01086

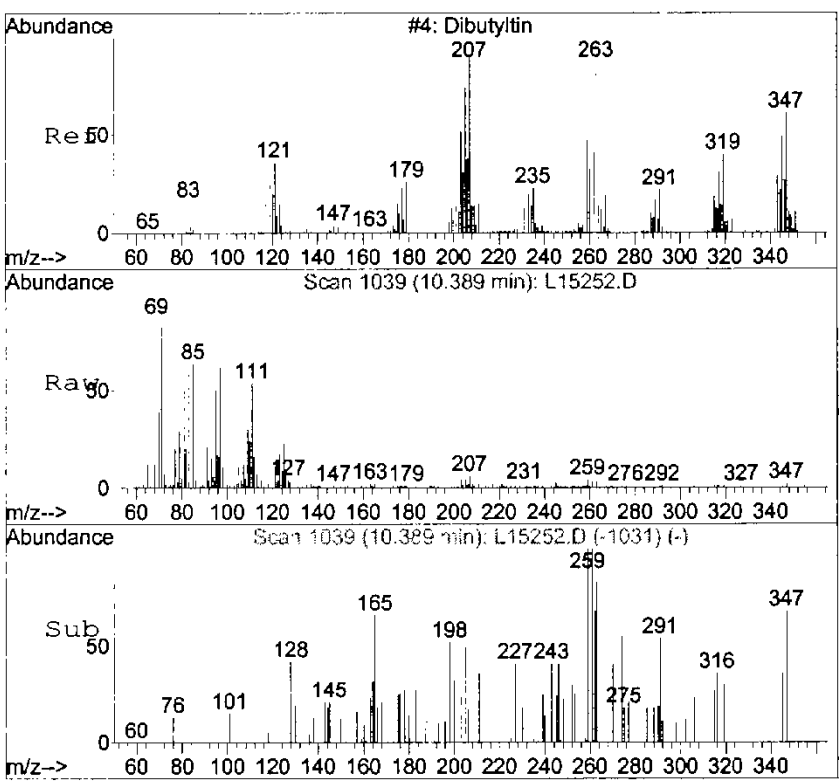


#4
Tributyltin
Concen: 1.35 PG/UL
RT: 9.69 min Scan# 969
Delta R.T. -0.01 min
Lab File: L15252.D
Acq: 23 Feb 2005 21:15

Tgt Ion:319 Resp: 3274

Ion	Ratio	Lower	Upper
319	100		
317	67.8	30.7	56.9#
263	55.0	38.9	72.2

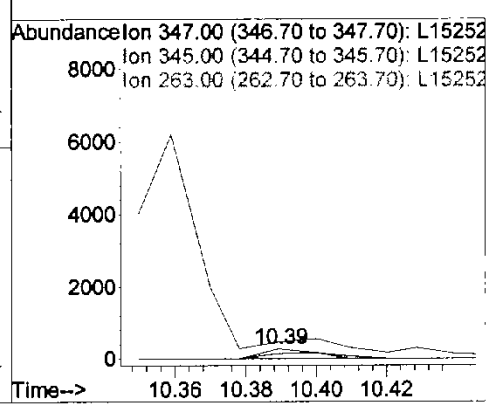




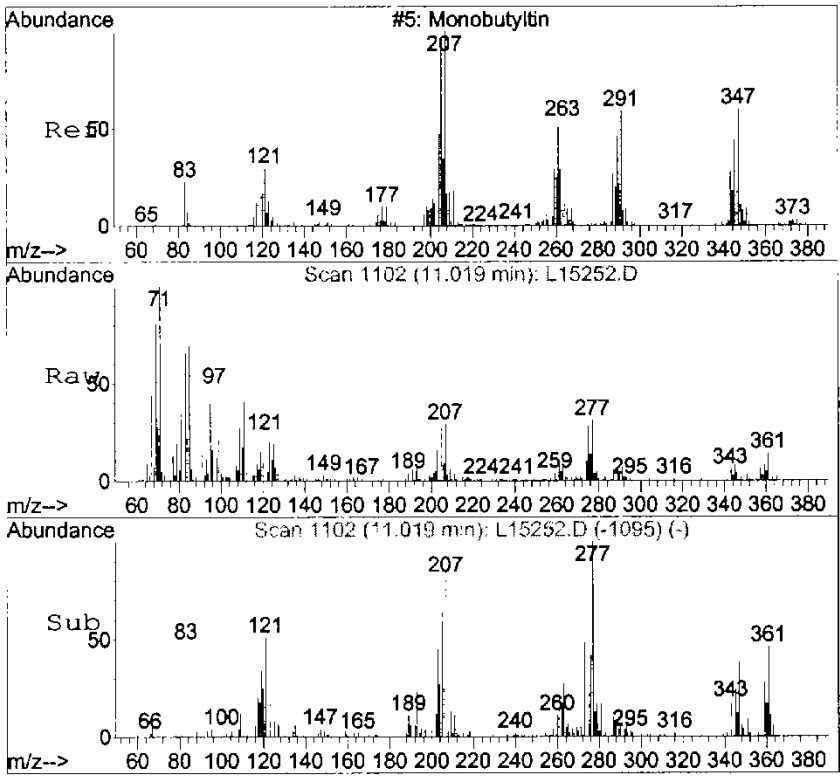
#5
Dibutyltin
Concen: 1.74 PG/UL
RT: 10.39 min Scan# 1039
Delta R.T. -0.02 min
Lab File: L15252.D
Acq: 23 Feb 2005 21:15

Tgt Ion:347 Resp: 8580

Ion	Ratio	Lower	Upper
347	100		
345	2.6	18.5	34.3#
263	96.9	46.9	87.1#



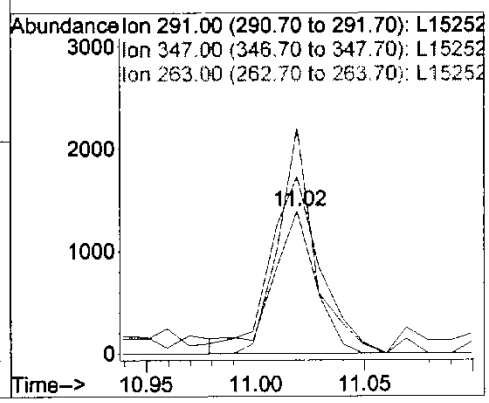
01087



#6
Monobutyltin
Concen: 1.32 PG/UL
RT: 11.02 min Scan# 1102
Delta R.T. -0.03 min
Lab File: L15252.D
Acq: 23 Feb 2005 21:15

Tgt Ion:291 Resp: 4555

Ion	Ratio	Lower	Upper
291	100		
347	53.3	17.9	71.7
263	62.0	25.7	102.7



01088

Quantitation Report (QT Reviewed)

Data File : T:\DATA\02232005\L15256.D Vial: 0
Acq On : 23 Feb 2005 23:14 Operator:
Sample : 126377-9 &2 WATER ORGTIN Inst :
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 24 14:08:58 2005 Quant Results File: ORGTIN02232005.RE

Quant Method : T:\METHODS\ORGTIN02232005.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Thu Feb 24 13:30:28 2005
Response via : Initial Calibration
DataAcq Meth :

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Phenanthrene D10 (I)	9.57	188	217884+	100.00	pg/ul	0.01
System Monitoring Compounds						
2) Tripentyltin (S)	10.70	347	99996+	45.45	PG/UL	0.00
Target Compounds						Qvalue
4) Tributyltin	9.70	319	10113+	3.98	PG/UL	75

(#) = qualifier out of range (m) = manual integration (+) = signals summed

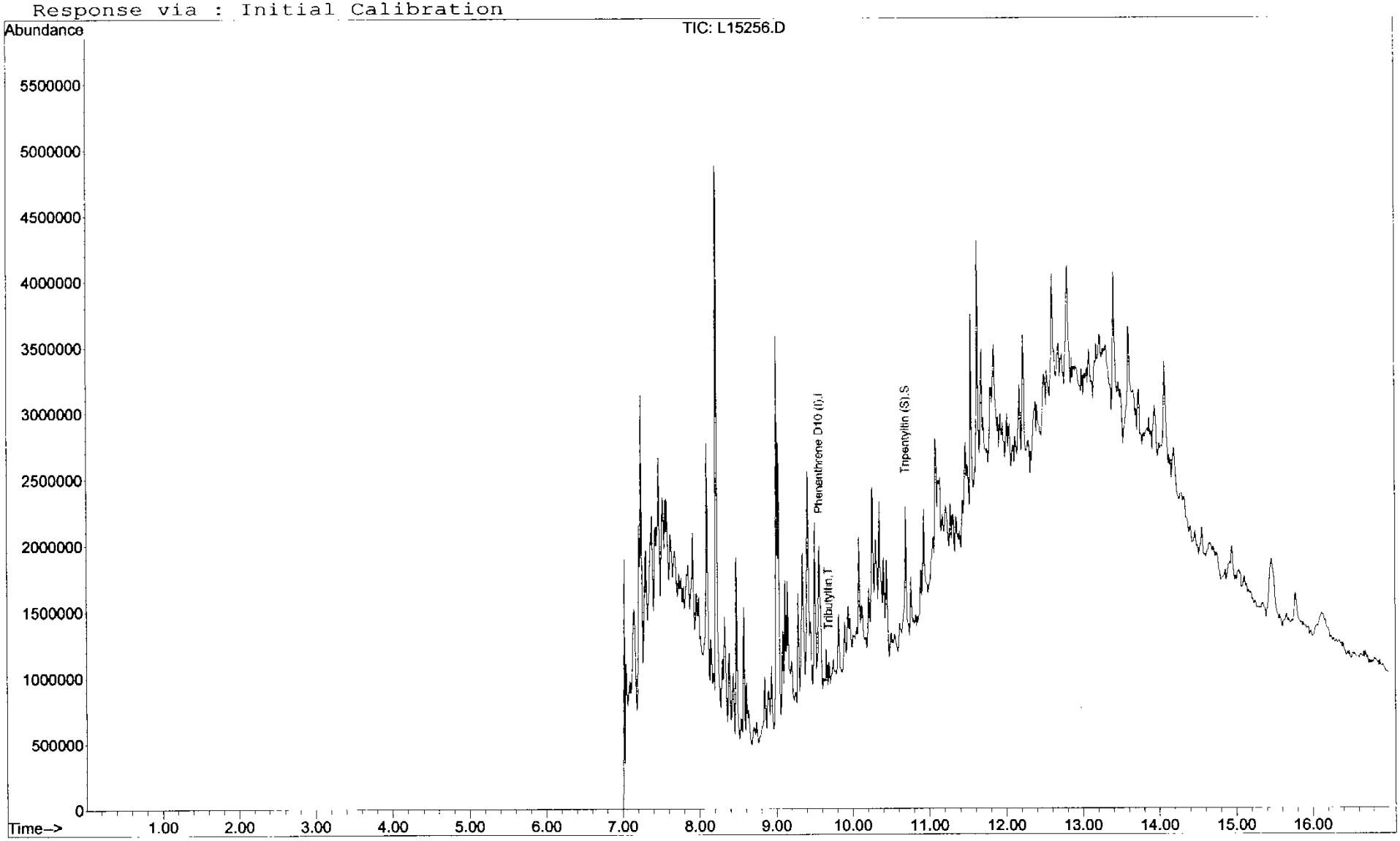
01089

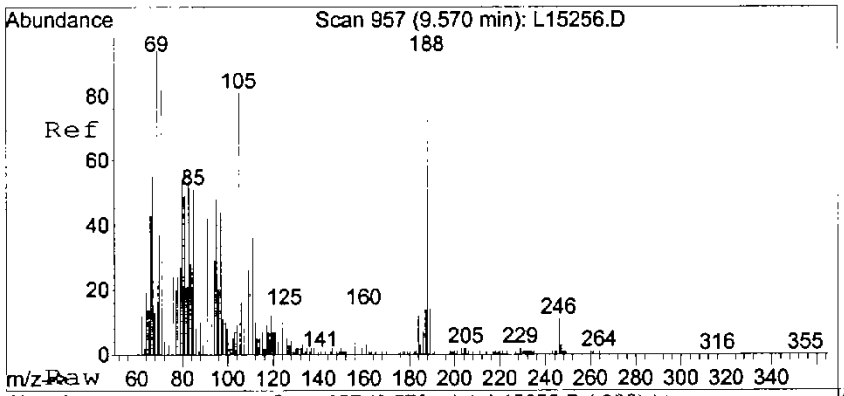
Quantitation Report (QT Reviewed)

Data File : T:\DATA\02232005\L15256.D
Acq On : 23 Feb 2005 23:14
Sample : 126377-9 &2 WATER ORGTIN
Misc :
MS Integration Params: rteint.p
Quant Time: Feb 24 14:09 2005

Vial: 0
Operator:
Inst :
Multiplr: 1.00
Quant Results File: ORGTIN02232005.RES

Method : T:\METHODS\ORGTIN02232005.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Thu Feb 24 13:30:28 2005
Response via : Initial Calibration

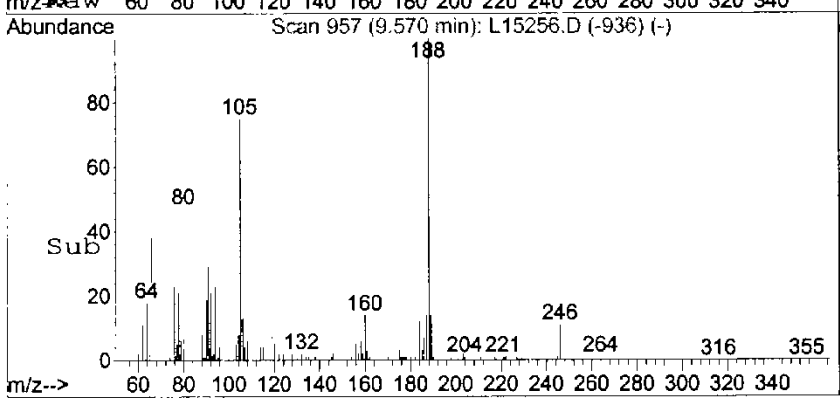


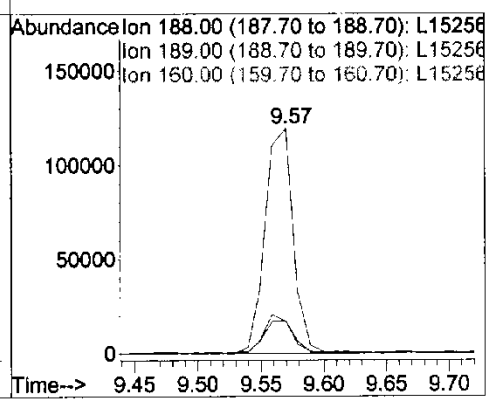


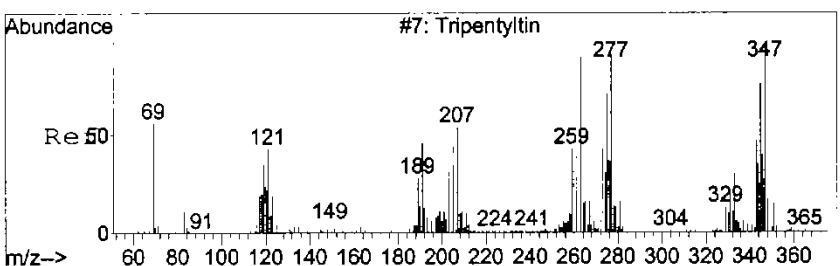
#1
Phenanthrene D10 (I)
Concen: 100.00 pg/ul
RT: 9.57 min Scan# 957
Delta R.T. 0.01 min
Lab File: L15256.D
Acq: 23 Feb 2005 23:14

Tgt Ion:188 Resp: 217884

Ion	Ratio	Lower	Upper
188	100		
189	14.8	7.6	17.8
160	14.4	8.2	19.2



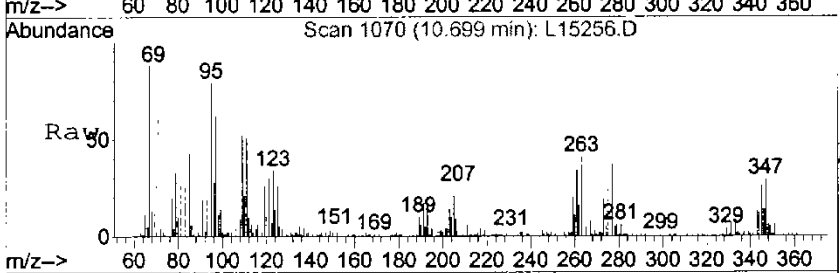


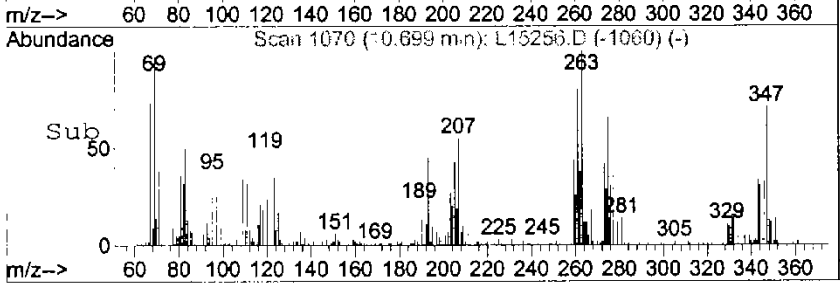


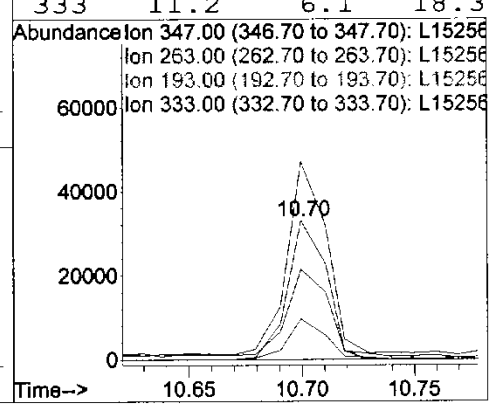
#2
Tripentyltin (S)
Concen: 45.45 PG/UL
RT: 10.70 min Scan# 1070
Delta R.T. 0.00 min
Lab File: L15256.D
Acq: 23 Feb 2005 23:14

Tgt Ion:347 Resp: 99996

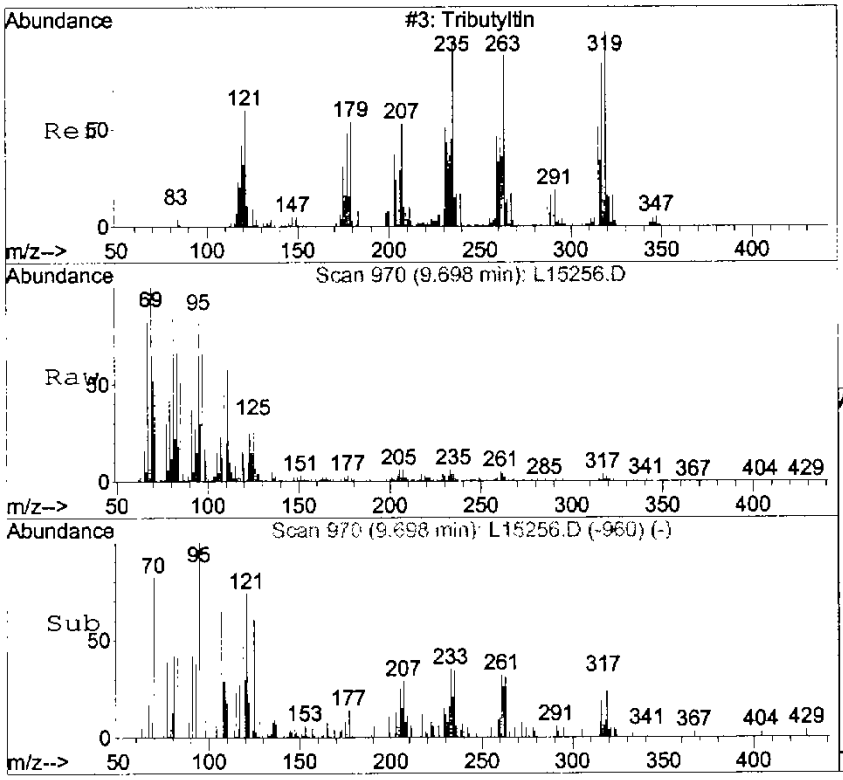
Ion	Ratio	Lower	Upper
347	100		
263	60.8	22.8	91.2
193	28.2	12.0	36.0
333	11.2	6.1	18.3







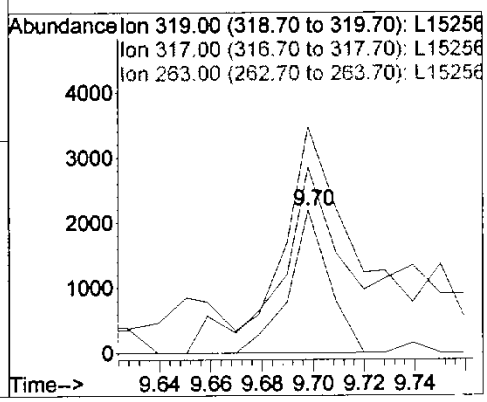
01091



#4
Tributyltin
Concen: 3.98 PG/UL
RT: 9.70 min Scan# 970
Delta R.T. -0.00 min
Lab File: L15256.D
Acq: 23 Feb 2005 23:14

Tgt Ion:319 Resp: 10113

Ion	Ratio	Lower	Upper
319	100		
317	76.1	30.7	56.9#
263	59.9	38.9	72.2



01092

Quantitation Report (QT Reviewed)

Data File : T:\DATA\02232005\L15257.D
Acq On : 23 Feb 2005 23:38
Sample : 126377-10 &2 WATER ORGTIN
Misc :
MS Integration Params: rteint.p
Quant Time: Feb 24 14:09:35 2005

Vial: 0
Operator:
Inst :
Multiplr: 1.00
Quant Results File: ORGTIN02232005.RE

Quant Method : T:\METHODS\ORGTIN02232005.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Thu Feb 24 13:30:28 2005
Response via : Initial Calibration
DataAcq Meth :

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Phenanthrene D10 (I)	9.56	188	234315+	100.00	pg/ul	0.00
System Monitoring Compounds						
2) Tripentyltin (S)	10.69	347	145624+	61.54	PG/UL	-0.01
Target Compounds						Qvalue
4) Tributyltin	9.69	319	6864+	2.51	PG/UL	66

(#) = qualifier out of range (m) = manual integration (+) = signals summed

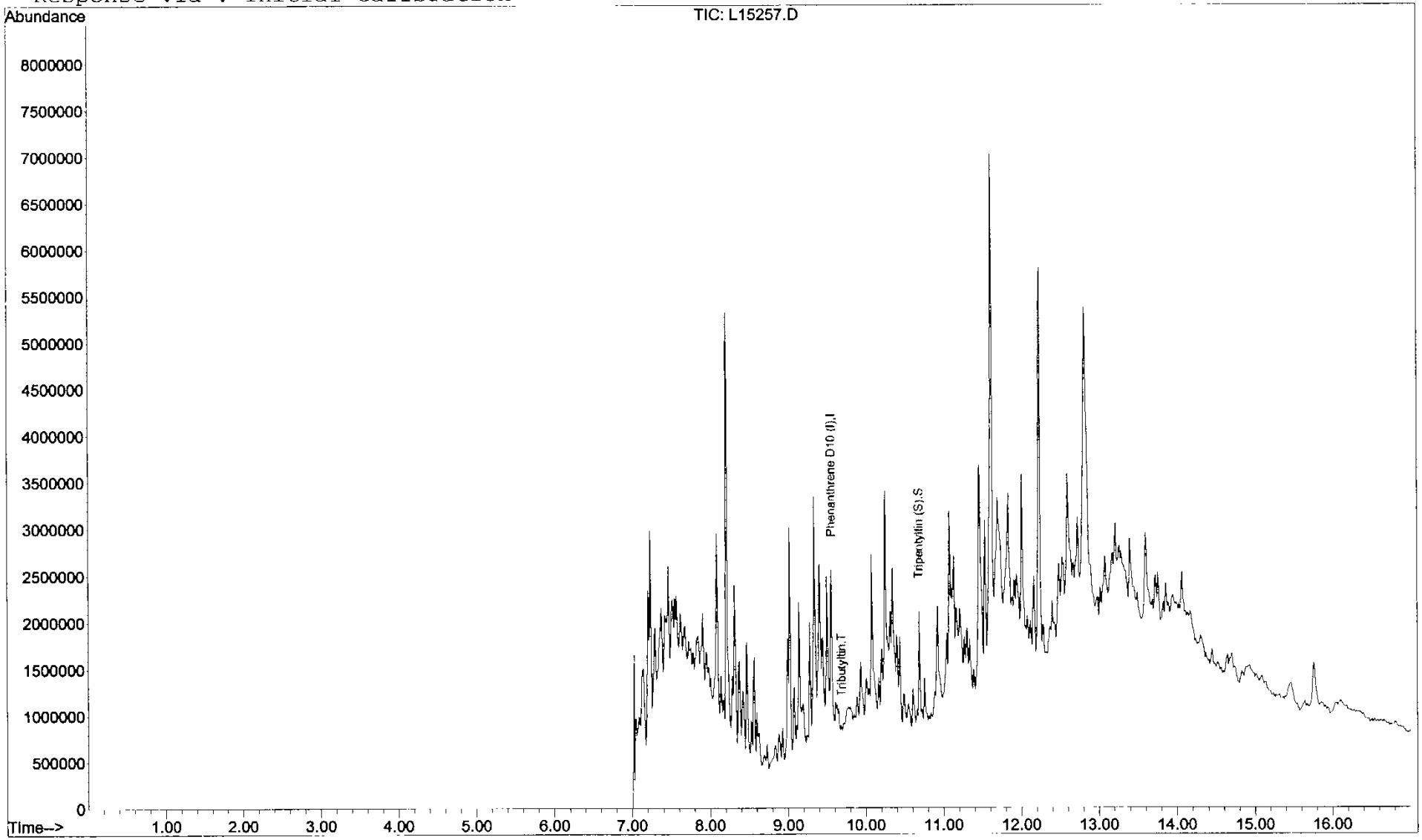
01093

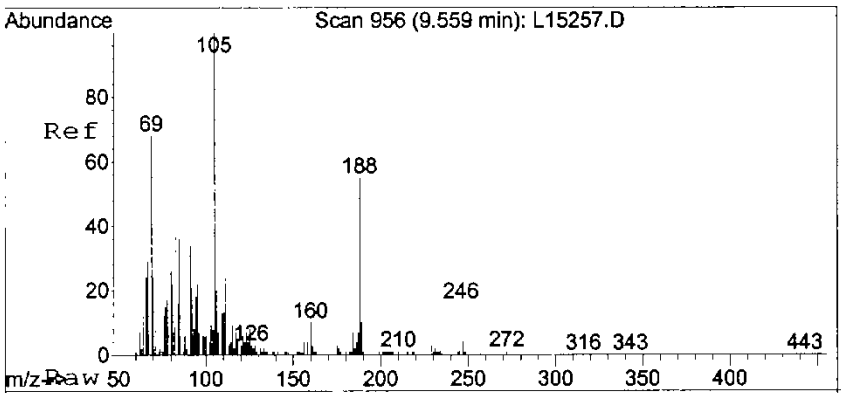
Quantitation Report (QT Reviewed)

Data File : T:\DATA\02232005\L15257.D
Acq On : 23 Feb 2005 23:38
Sample : 126377-10 &2 WATER ORGTIN
Misc :
MS Integration Params: rteint.p
Quant Time: Feb 24 14:15 2005

Vial: 0
Operator:
Inst :
Multiplr: 1.00
Quant Results File: ORGTIN02232005.RES

Method : T:\METHODS\ORGTIN02232005.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Thu Feb 24 13:30:28 2005
Response via : Initial Calibration

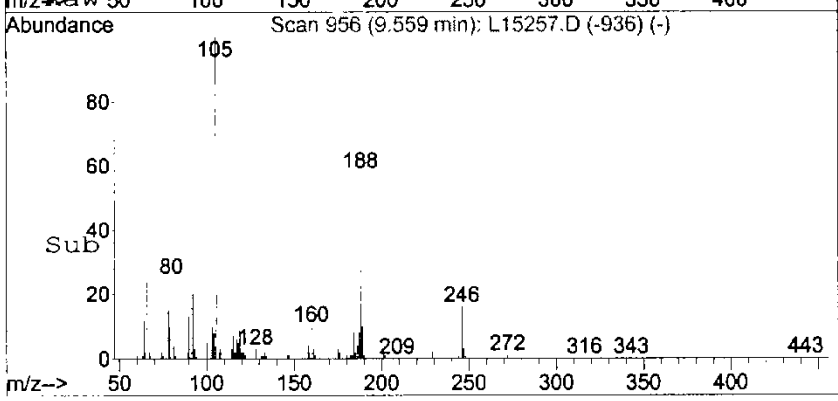


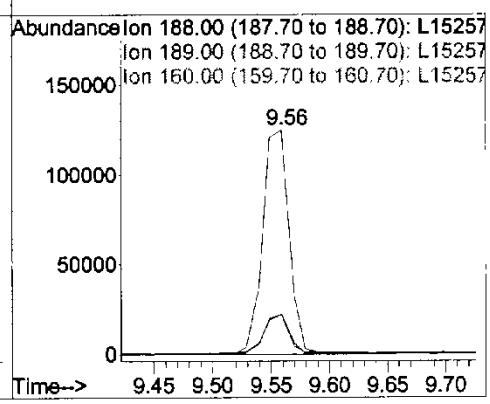


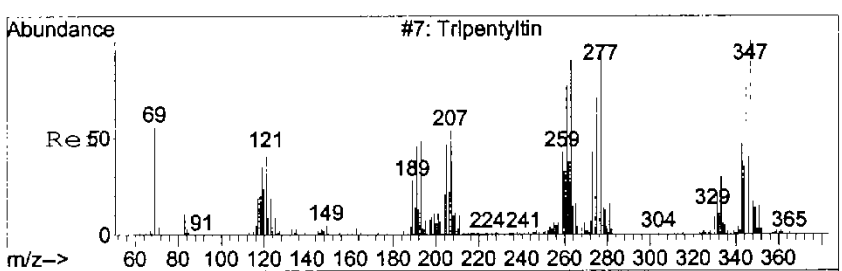
#1
Phenanthrene D10 (I)
Concen: 100.00 pg/ul
RT: 9.56 min Scan# 956
Delta R.T. -0.00 min
Lab File: L15257.D
Acq: 23 Feb 2005 23:38

Tgt Ion:188 Resp: 234315

Ion	Ratio	Lower	Upper
188	100		
189	14.9	7.6	17.8
160	14.9	8.2	19.2



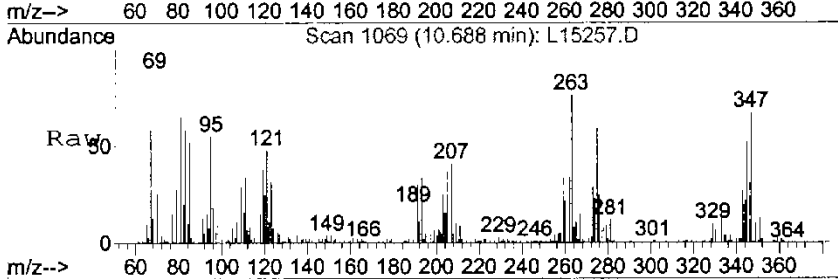


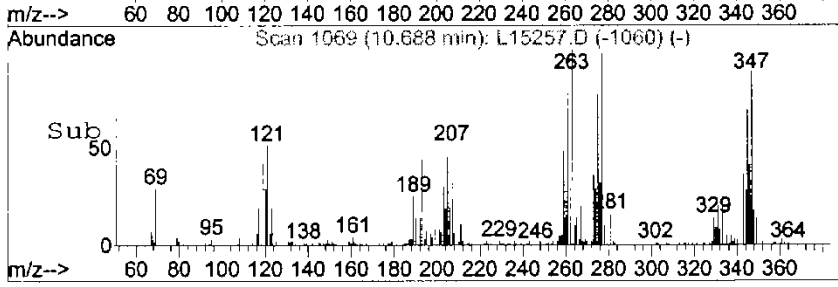


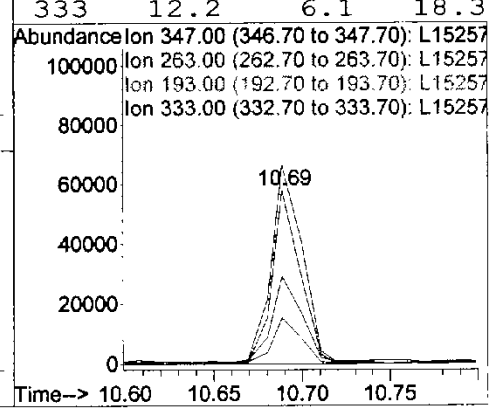
#2
Tripentyltin (S)
Concen: 61.54 PG/UL
RT: 10.69 min Scan# 1069
Delta R.T. -0.01 min
Lab File: L15257.D
Acq: 23 Feb 2005 23:38

Tgt Ion:347 Resp: 145624

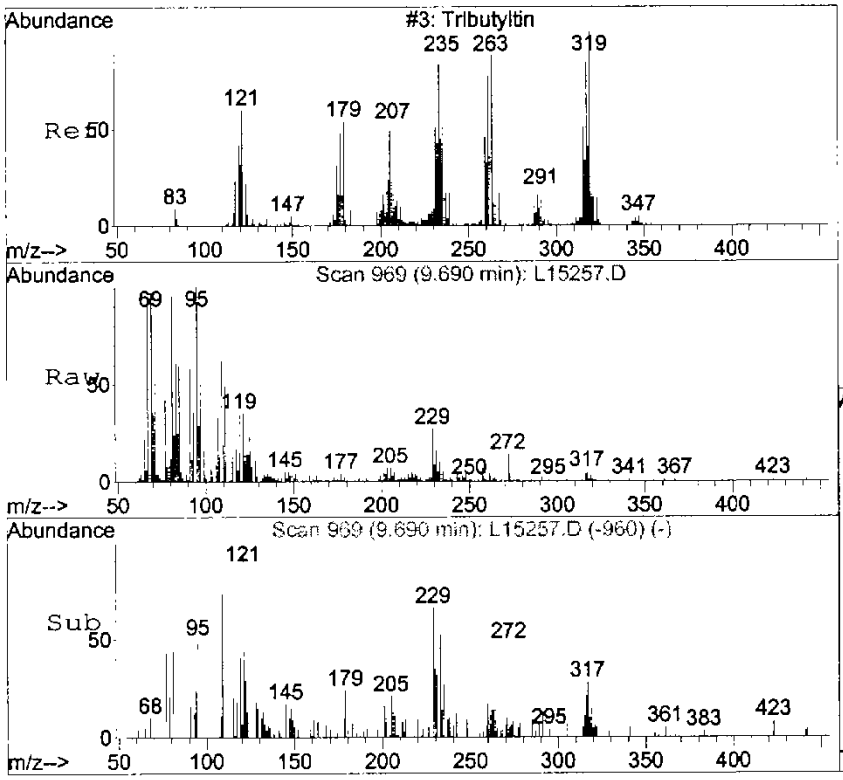
Ion	Ratio	Lower	Upper
347	100		
263	55.6	22.8	91.2
193	24.6	12.0	36.0
333	12.2	6.1	18.3







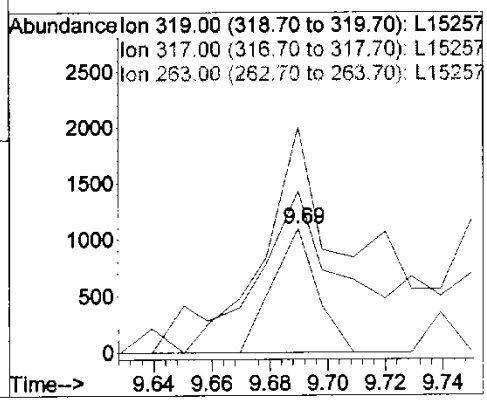
01095



#4
Tributyltin
Concen: 2.51 PG/UL
RT: 9.69 min Scan# 969
Delta R.T. -0.01 min
Lab File: L15257.D
Acq: 23 Feb 2005 23:38

Tgt Ion:319 Resp: 6864

Ion	Ratio	Lower	Upper
319	100		
317	81.9	30.7	56.9#
263	65.6	38.9	72.2



01096

Quantitation Report (QT Reviewed)

Data File : T:\DATA\02232005\L15258.D Vial: 0
Acq On : 24 Feb 2005 0:02 Operator:
Sample : 126377-11 &2 WATER ORGTIN Inst :
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 24 14:12:20 2005 Quant Results File: ORGTIN02232005.RI

Quant Method : T:\METHODS\ORGTIN02232005.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Thu Feb 24 13:30:28 2005
Response via : Initial Calibration
DataAcq Meth :

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Phenanthrene D10 (I)	9.55	188	229846+	100.00	pg/ul	-0.01
System Monitoring Compounds						
2) Tripentyltin (S)	10.69	347	114019+	49.12	PG/UL	0.00

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

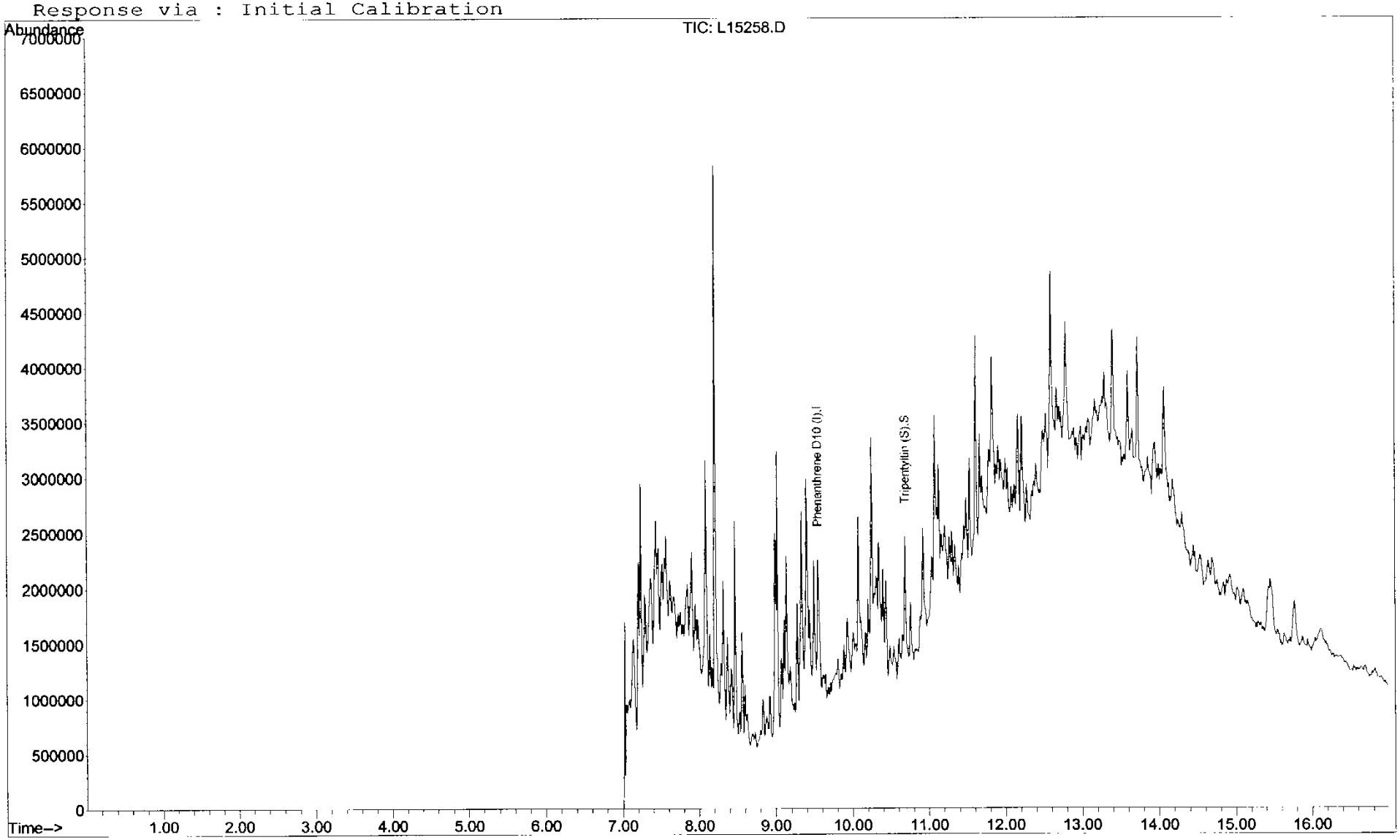
01097

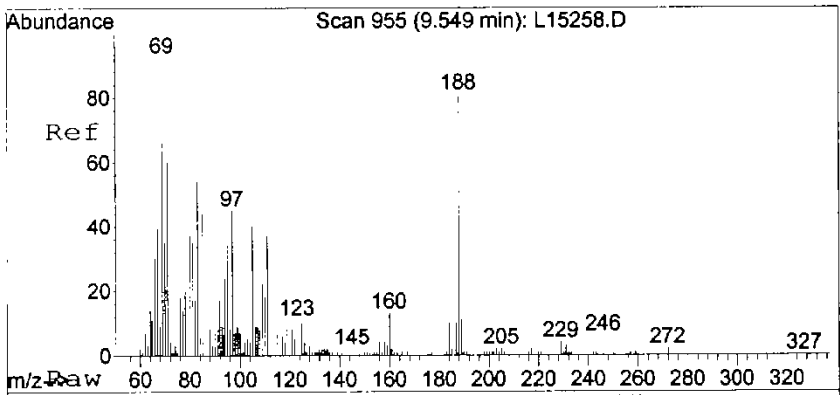
Quantitation Report (QT Reviewed)

Data File : T:\DATA\02232005\L15258.D
Acq On : 24 Feb 2005 0:02
Sample : 126377-11 &2 WATER ORGTIN
Misc :
MS Integration Params: rteint.p
Quant Time: Feb 24 14:13 2005

Vial: 0
Operator:
Inst :
Multiplr: 1.00
Quant Results File: ORGTIN02232005.RES

Method : T:\METHODS\ORGTIN02232005.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Thu Feb 24 13:30:28 2005
Response via : Initial Calibration

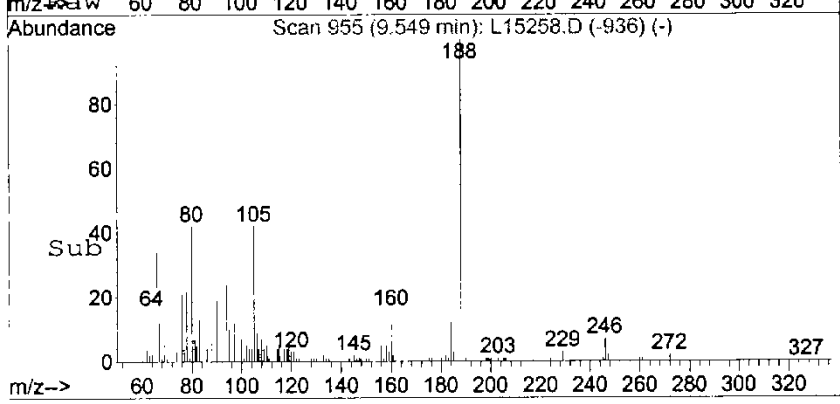


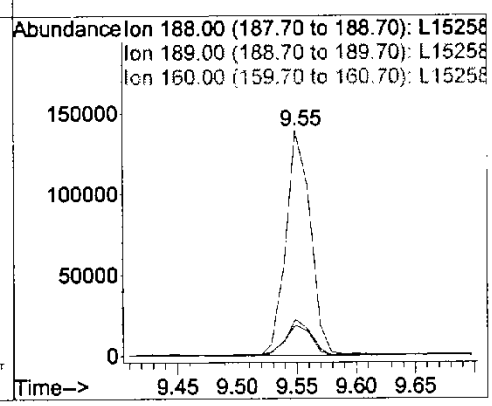


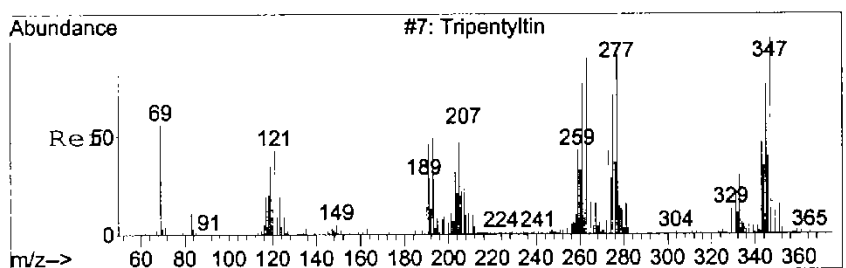
#1
Phenanthrene D10 (I)
Concen: 100.00 pg/ul
RT: 9.55 min Scan# 955
Delta R.T. -0.01 min
Lab File: L15258.D
Acq: 24 Feb 2005 0:02

Tgt Ion:188 Resp: 229846

Ion	Ratio	Lower	Upper
188	100		
189	13.0	7.6	17.8
160	14.2	8.2	19.2



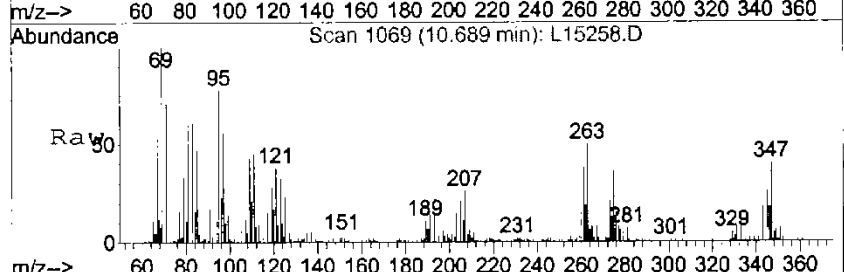


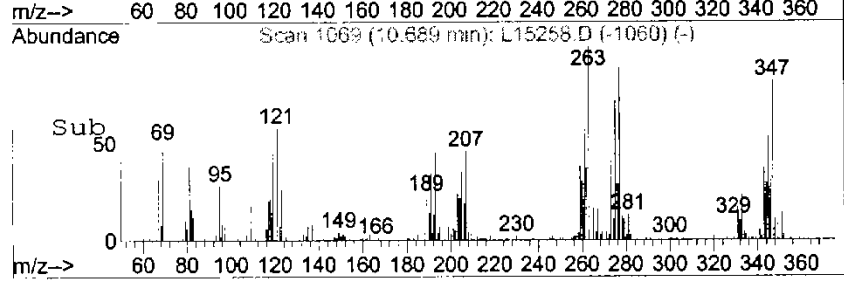


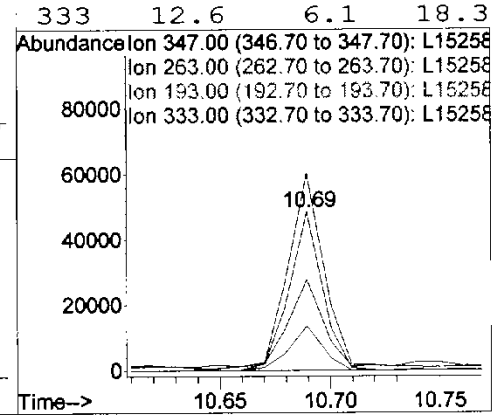
#2
Tripentyltin (S)
Concen: 49.12 PG/UL
RT: 10.69 min Scan# 1069
Delta R.T. -0.01 min
Lab File: L15258.D
Acq: 24 Feb 2005 0:02

Tgt Ion:347 Resp: 114019

Ion	Ratio	Lower	Upper
347	100		
263	56.1	22.8	91.2
193	27.5	12.0	36.0
333	12.6	6.1	18.3







Quantitation Report (QT Reviewed)

Data File : T:\DATA\02232005\L15259.D
Acq On : 24 Feb 2005 0:26
Sample : 126377-12 &2 WATER ORGTIN
Misc :
MS Integration Params: rteint.p
Quant Time: Feb 24 14:13:19 2005

Vial: 0
Operator:
Inst :
Multiplr: 1.00
Quant Results File: ORGTIN02232005.RE

Quant Method : T:\METHODS\ORGTIN02232005.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Thu Feb 24 13:30:28 2005
Response via : Initial Calibration
DataAcq Meth :

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Phenanthrene D10 (I)	9.57	188	244735+	100.00 pg/ul	0.01
System Monitoring Compounds					
2) Tripentyltin (S)	10.71	347	139031+	56.26 PG/UL	0.01

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

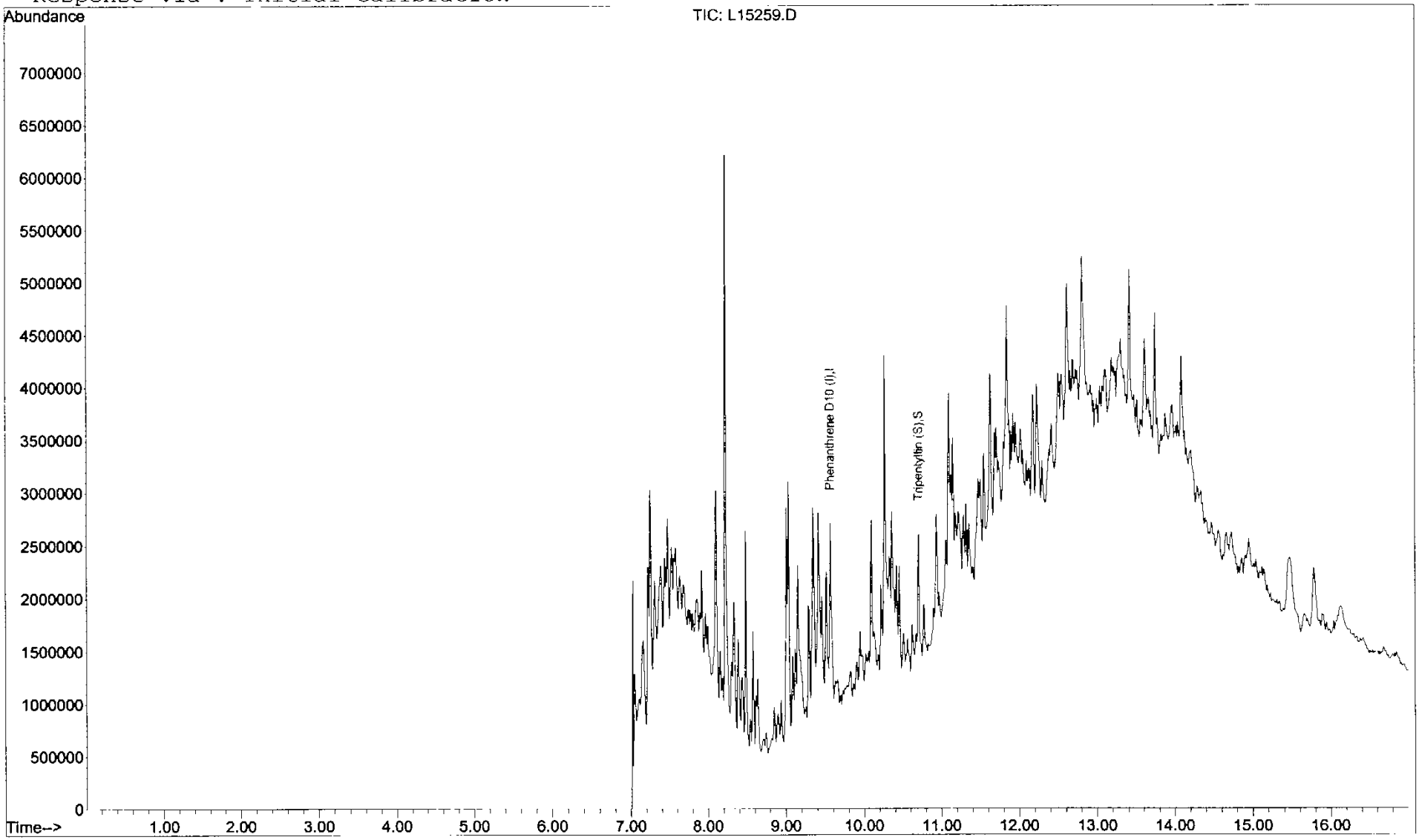
00100

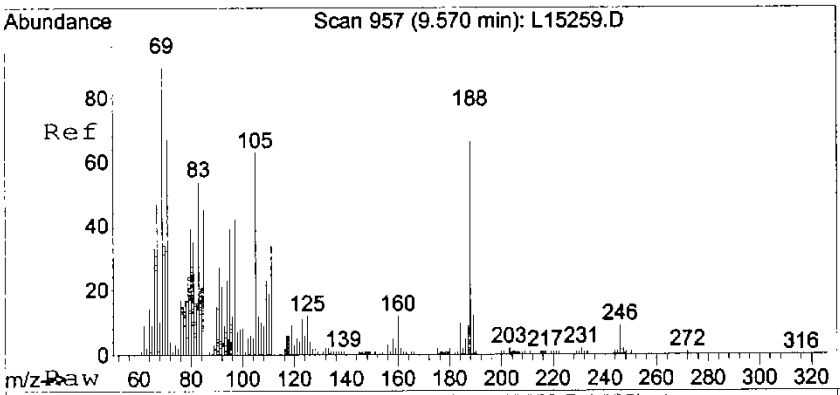
Quantitation Report (QT Reviewed)

Data File : T:\DATA\02232005\L15259.D
Acq On : 24 Feb 2005 0:26
Sample : 126377-12 &2 WATER ORGTIN
Misc :
MS Integration Params: rteint.p
Quant Time: Feb 24 14:13 2005

Vial: 0
Operator:
Inst :
Multiplr: 1.00
Quant Results File: ORGTIN02232005.RES

Method : T:\METHODS\ORGTIN02232005.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Thu Feb 24 13:30:28 2005
Response via : Initial Calibration

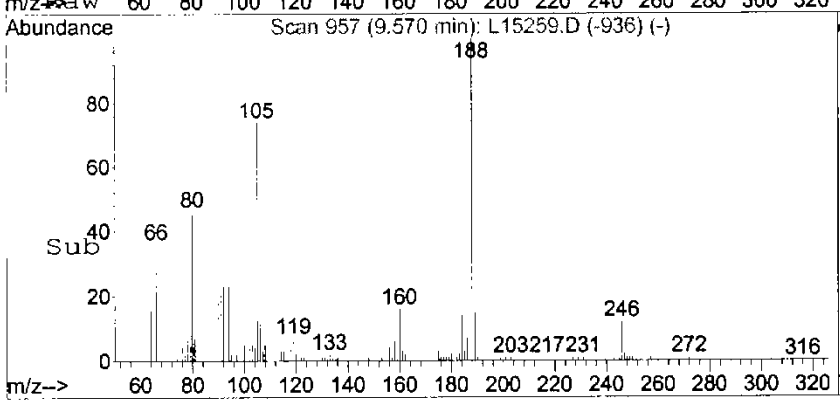


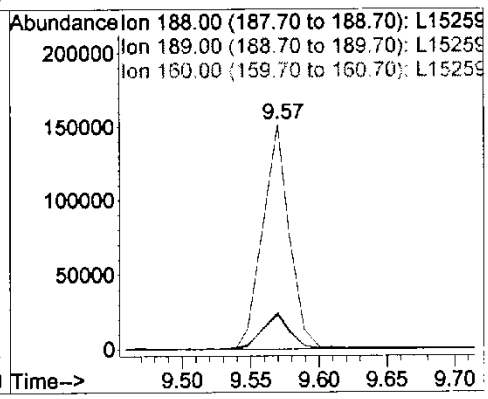


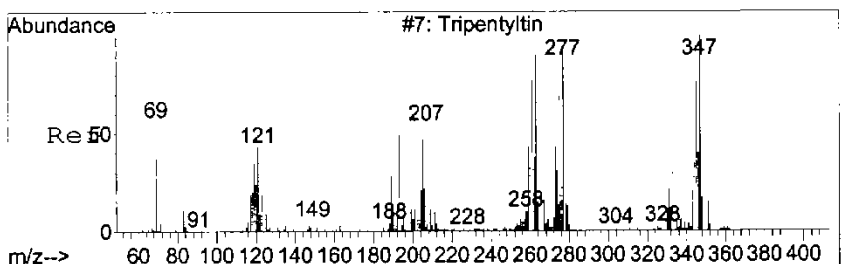
#1
Phenanthrene D10 (I)
Concen: 100.00 pg/ul
RT: 9.57 min Scan# 957
Delta R.T. 0.01 min
Lab File: L15259.D
Acq: 24 Feb 2005 0:26

Tgt Ion:188 Resp: 244735

Ion	Ratio	Lower	Upper
188	100		
189	16.0	7.6	17.8
160	14.7	8.2	19.2



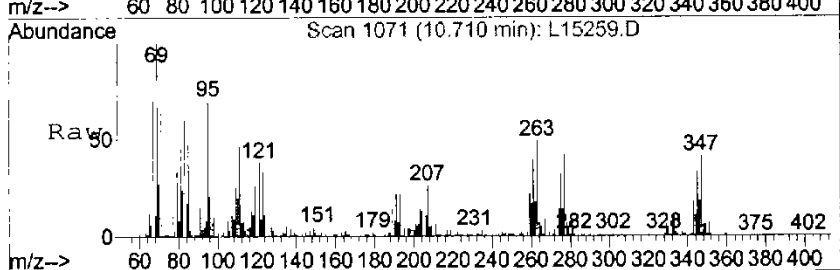


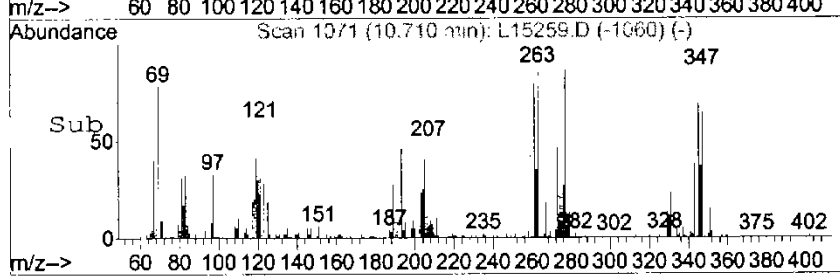


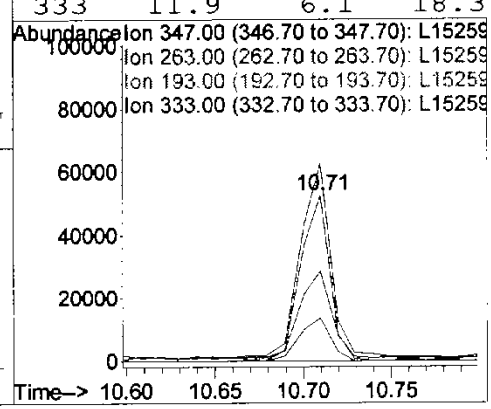
#2
Tripentyltin (S)
Concen: 56.26 PG/UL
RT: 10.71 min Scan# 1071
Delta R.T. 0.01 min
Lab File: L15259.D
Acq: 24 Feb 2005 0:26

Tgt Ion:347 Resp: 139031

Ion	Ratio	Lower	Upper
347	100		
263	55.6	22.8	91.2
193	25.9	12.0	36.0
333	11.9	6.1	18.3







01102

Quantitation Report (QT Reviewed)

Data File : T:\DATA\02232005\L15260.D
Acq On : 24 Feb 2005 0:49
Sample : 126377-13 &2 WATER ORGTIN
Misc :
MS Integration Params: rteint.p
Quant Time: Feb 24 14:13:40 2005

Vial: 0
Operator:
Inst :
Multiplr: 1.00
Quant Results File: ORGTIN02232005.RI

Quant Method : T:\METHODS\ORGTIN02232005.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Thu Feb 24 13:30:28 2005
Response via : Initial Calibration
DataAcq Meth :

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Phenanthrene D10 (I)	9.57	188	255604+	100.00	pg/ul	0.00
System Monitoring Compounds						
2) Tripentyltin (S)	10.71	347	122685+	47.53	PG/UL	0.01
Target Compounds						Qvalue
4) Tributyltin	9.70	319	13240+	4.44	PG/UL	70

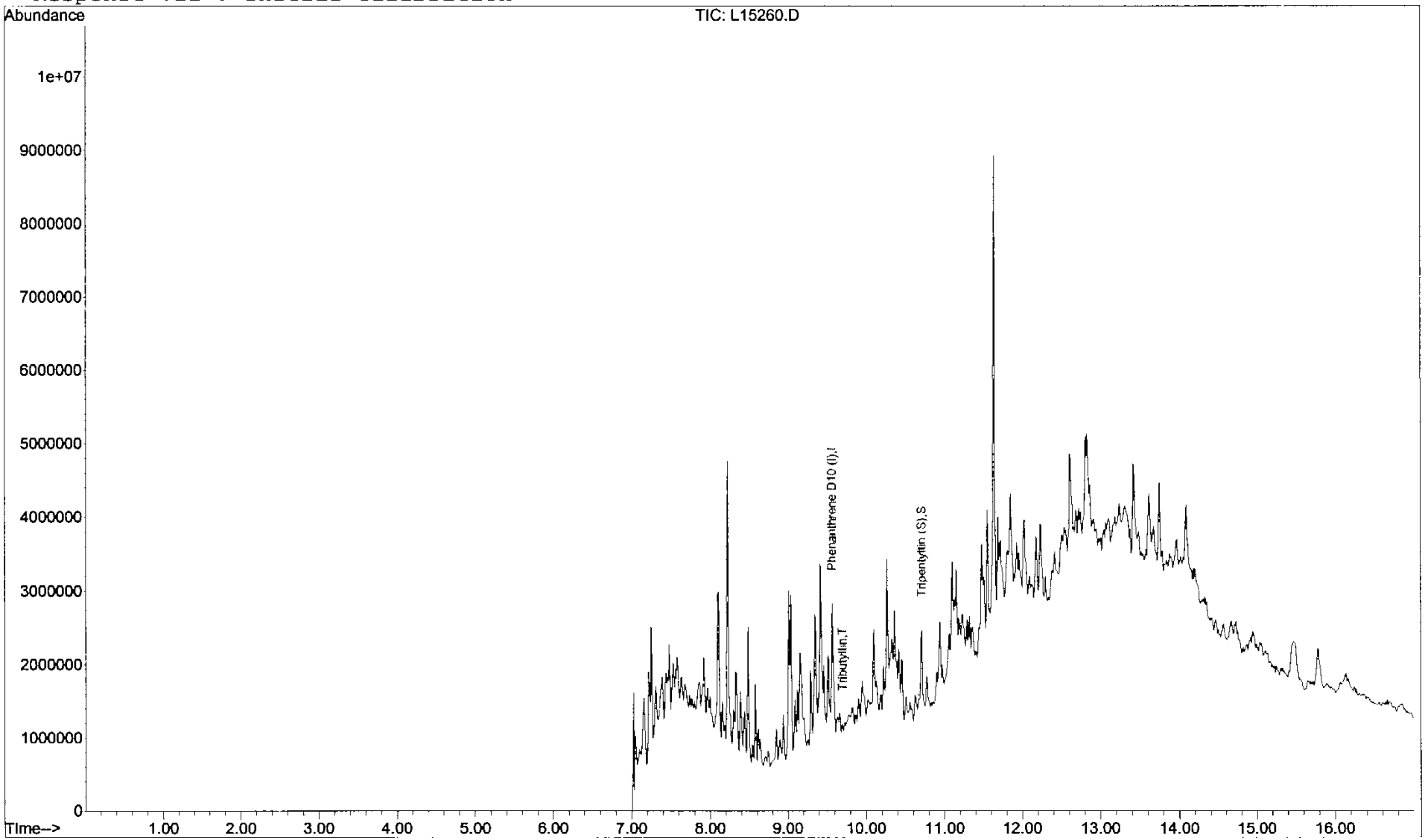
(#) = qualifier out of range (m) = manual integration (+) = signals summed

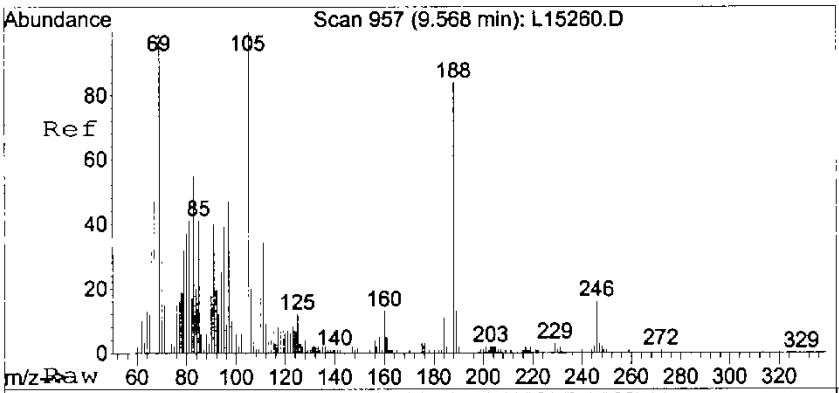
01103

Quantitation Report (QT Reviewed)

Data File : T:\DATA\02232005\L15260.D Vial: 0
Acq On : 24 Feb 2005 0:49 Operator:
Sample : 126377-13 &2 WATER ORGTIN Inst :
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 24 14:13 2005 Quant Results File: ORGTIN02232005.RES

Method : T:\METHODS\ORGTIN02232005.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Thu Feb 24 13:30:28 2005
Response via : Initial Calibration

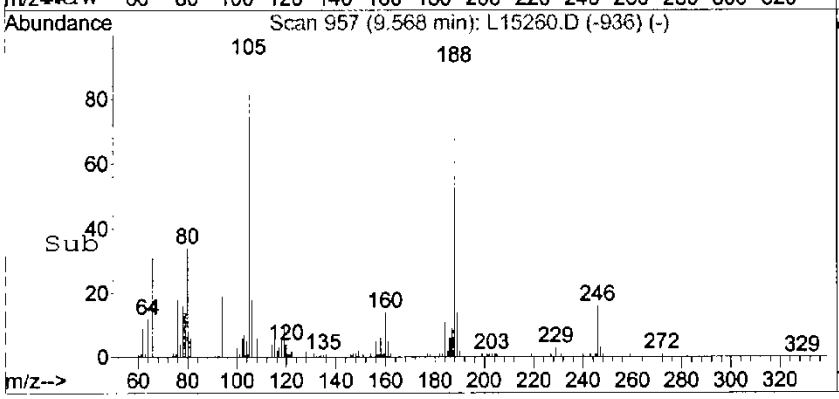


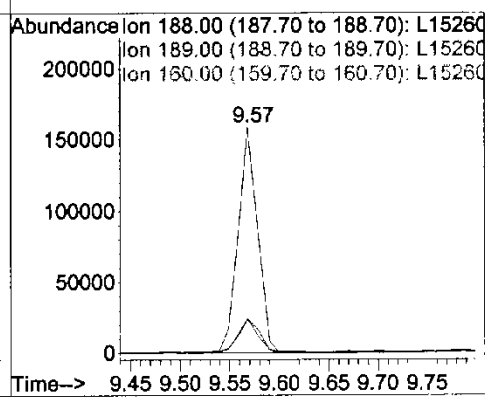


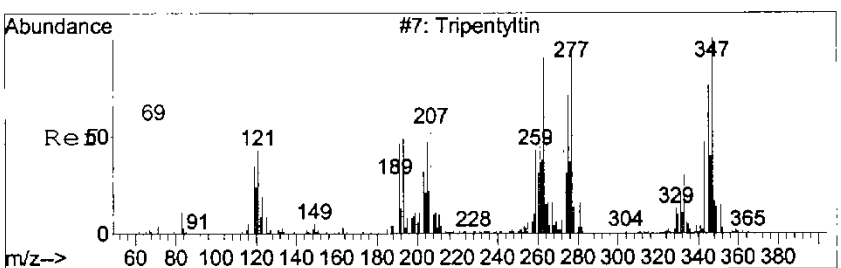
#1
Phenanthrene D10 (I)
Concen: 100.00 pg/ul
RT: 9.57 min Scan# 957
Delta R.T. 0.01 min
Lab File: L15260.D
Acq: 24 Feb 2005 0:49

Tgt Ion:188 Resp: 255604

Ion	Ratio	Lower	Upper
188	100		
189	13.5	7.6	17.8
160	15.3	8.2	19.2



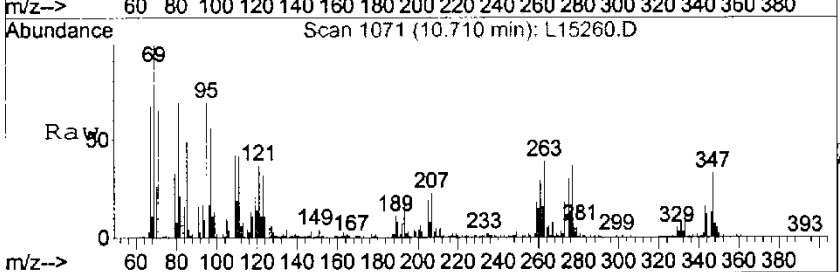


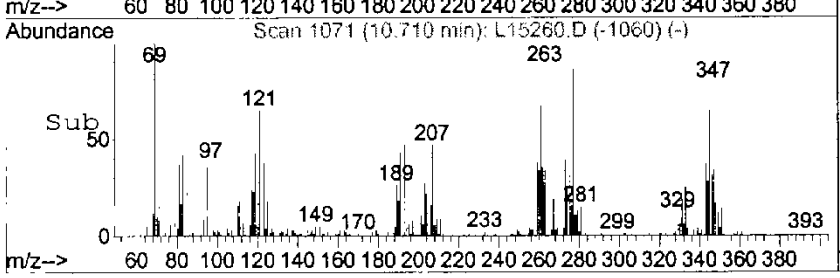


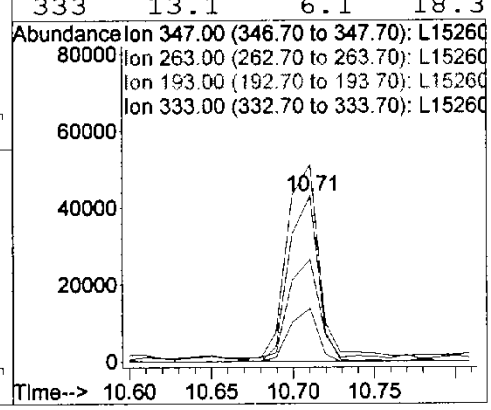
#2
Tripentyltin (S)
Concen: 47.53 PG/UL
RT: 10.71 min Scan# 1071
Delta R.T. 0.01 min
Lab File: L15260.D
Acq: 24 Feb 2005 0:49

Tgt Ion:347 Resp: 122685

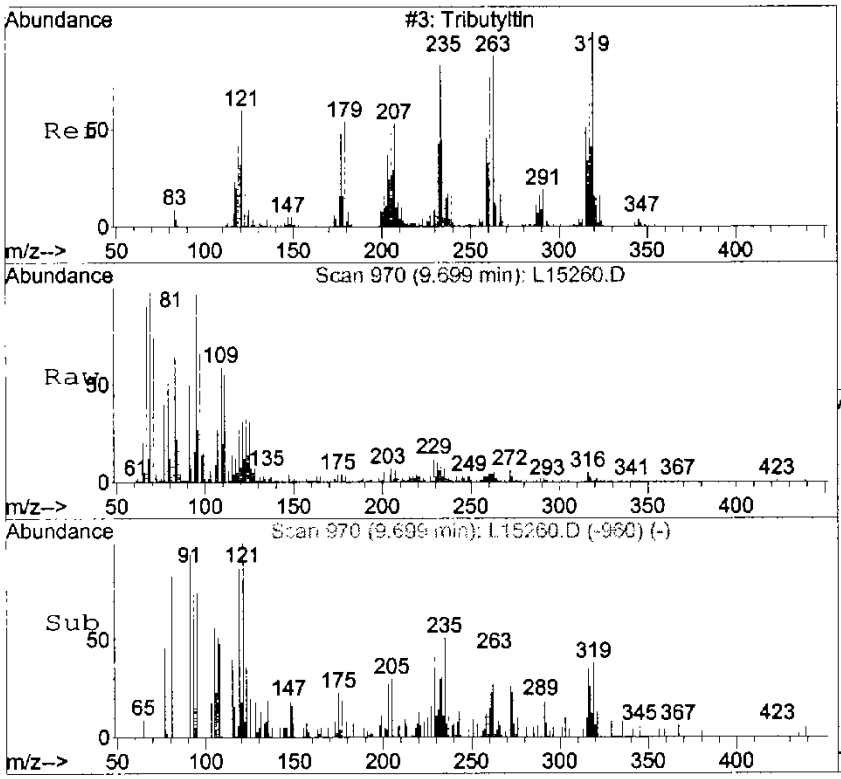
Ion	Ratio	Lower	Upper
347	100		
263	56.9	22.8	91.2
193	27.6	12.0	36.0
333	13.1	6.1	18.3







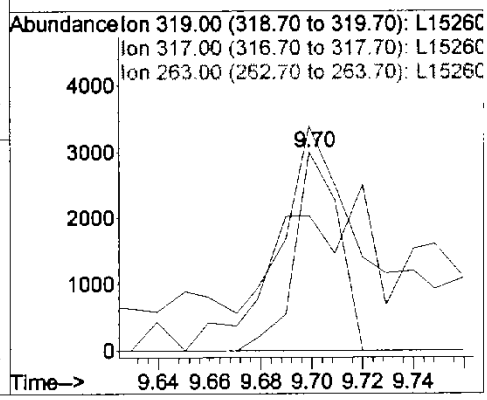
01105



#4
Tributyltin
Concen: 4.44 PG/UL
RT: 9.70 min Scan# 970
Delta R.T. -0.00 min
Lab File: L15260.D
Acq: 24 Feb 2005 0:49

Tgt Ion:319 Resp: 13240

Ion	Ratio	Lower	Upper
319	100		
317	72.9	30.7	56.9#
263	42.4	38.9	72.2



01106

Quantitation Report (QT Reviewed)

Data File : T:\DATA\02232005\L15261.D
Acq On : 24 Feb 2005 1:13
Sample : 126377-15 &2 WATER ORGTIN
Misc :
MS Integration Params: rteint.p
Quant Time: Feb 24 14:14:05 2005

Vial: 0
Operator:
Inst :
Multiplr: 1.00
Quant Results File: ORGTIN02232005.RI

Quant Method : T:\METHODS\ORGTIN02232005.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Thu Feb 24 13:30:28 2005
Response via : Initial Calibration
DataAcq Meth :

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Phenanthrene D10 (I)	9.56	188	236049+	100.00	pg/ul	0.00
System Monitoring Compounds						
2) Tripentyltin (S)	10.70	347	111956+	46.97	PG/UL	0.00
Target Compounds						Qvalue
4) Tributyltin	9.70	319	13506+	4.91	PG/UL	81

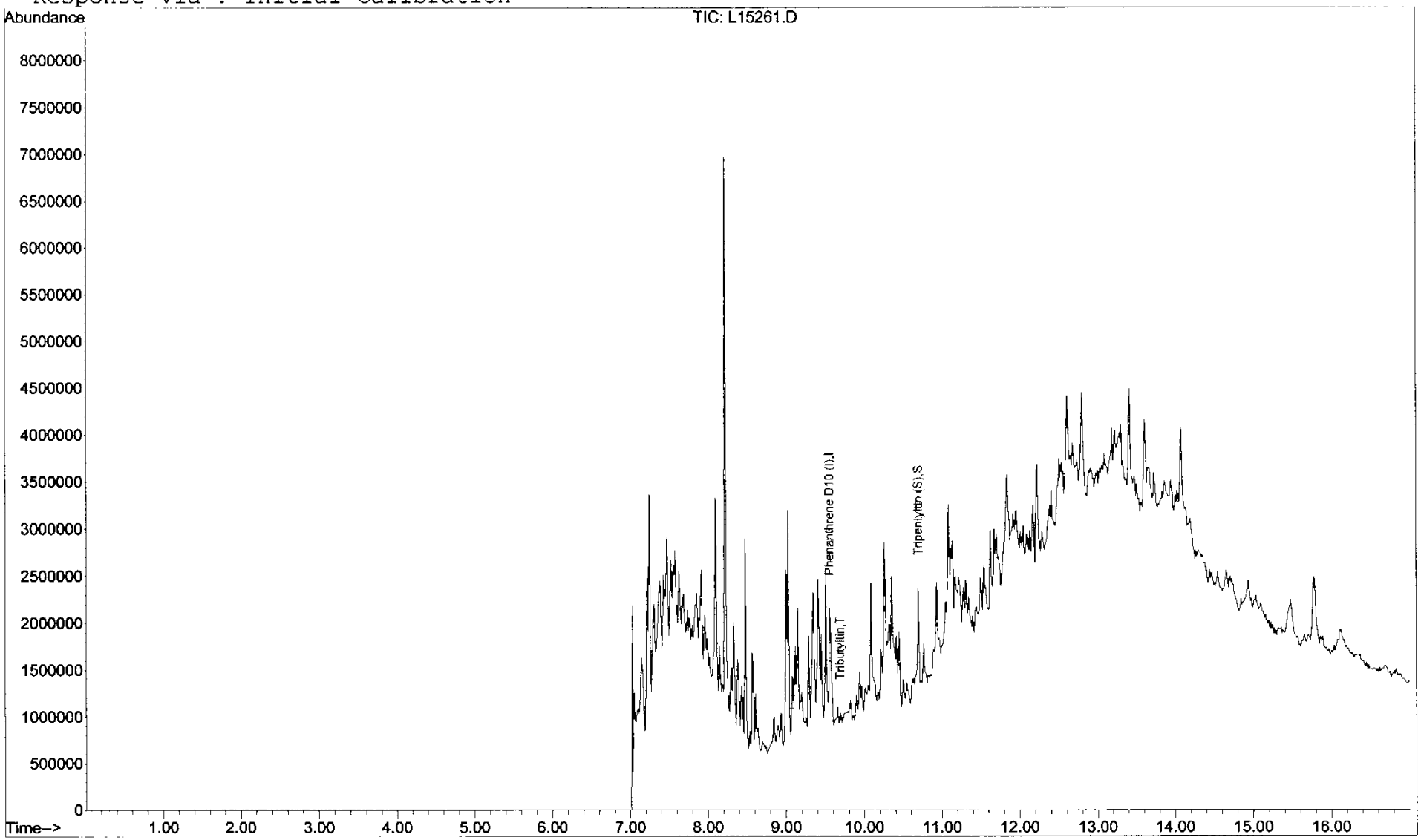
(#) = qualifier out of range (m) = manual integration (+) = signals summed

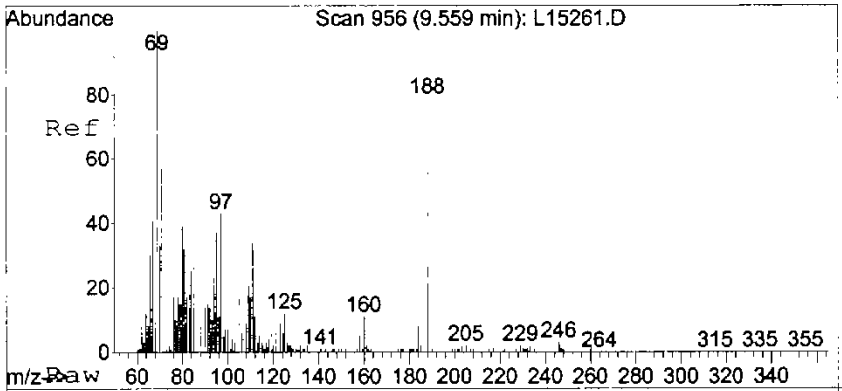
01107

Quantitation Report (QT Reviewed)

Data File : T:\DATA\02232005\L15261.D Vial: 0
Acq On : 24 Feb 2005 1:13 Operator:
Sample : 126377-15 &2 WATER ORGTIN Inst :
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 24 14:14 2005 Quant Results File: ORGTIN02232005.RES

Method : T:\METHODS\ORGTIN02232005.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Thu Feb 24 13:30:28 2005
Response via : Initial Calibration

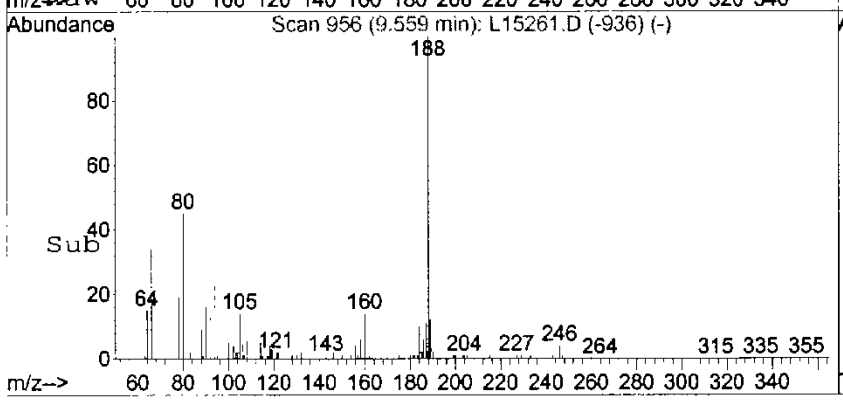


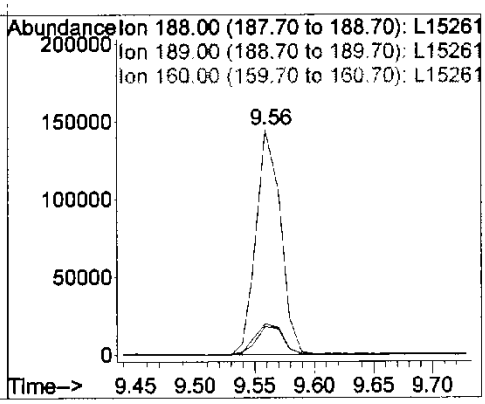


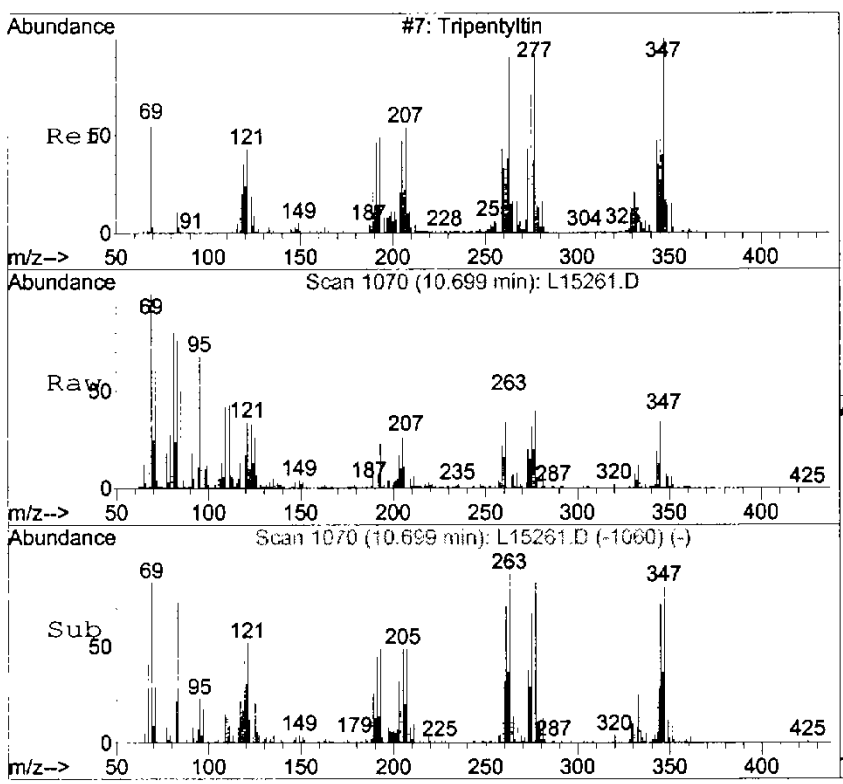
#1
Phenanthrene D10 (I)
Concen: 100.00 pg/ul
RT: 9.56 min Scan# 956
Delta R.T. -0.00 min
Lab File: L15261.D
Acq: 24 Feb 2005 1:13

Tgt Ion:188 Resp: 236049

Ion	Ratio	Lower	Upper
188	100		
189	14.4	7.6	17.8
160	13.9	8.2	19.2



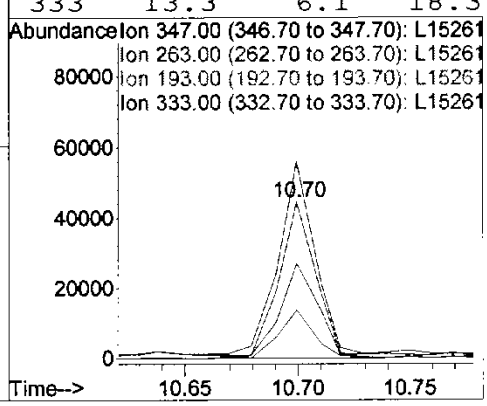




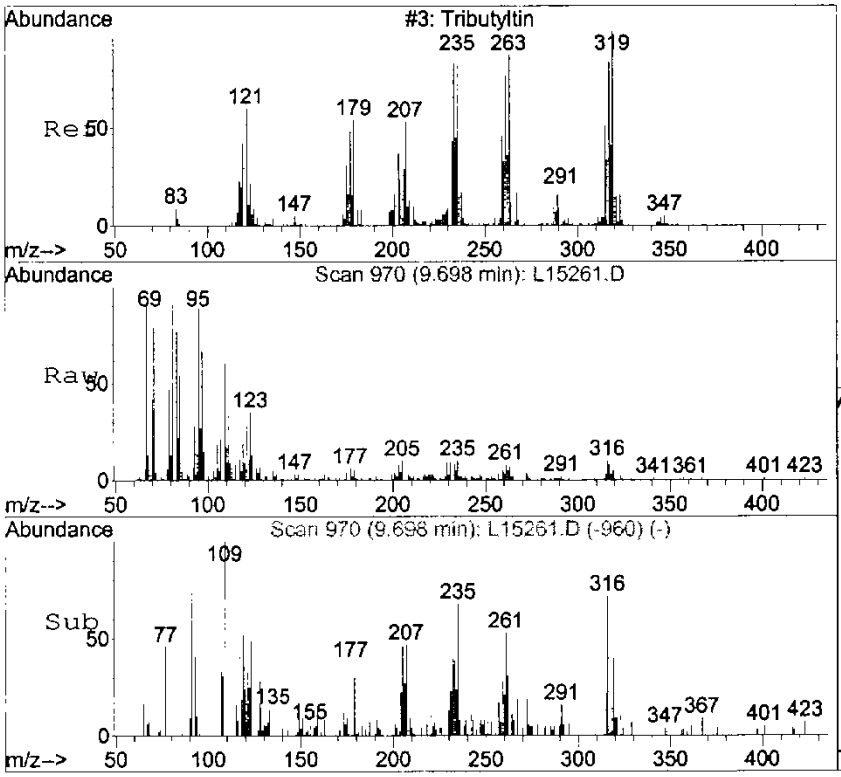
#2
Tripentyltin (S)
Concen: 46.97 PG/UL
RT: 10.70 min Scan# 1070
Delta R.T. 0.00 min
Lab File: L15261.D
Acq: 24 Feb 2005 1:13

Tgt Ion:347 Resp: 111956

Ion	Ratio	Lower	Upper
347	100		
263	55.6	22.8	91.2
193	27.1	12.0	36.0
333	13.3	6.1	18.3



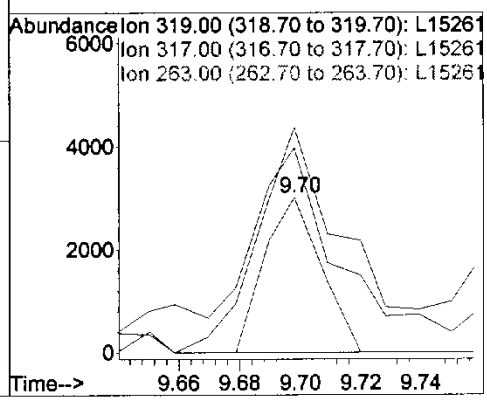
01109



#4
Tributyltin
Concen: 4.91 PG/UL
RT: 9.70 min Scan# 970
Delta R.T. -0.00 min
Lab File: L15261.D
Acq: 24 Feb 2005 1:13

Tgt Ion:319 Resp: 13506

Ion	Ratio	Lower	Upper
319	100		
317	71.5	30.7	56.9#
263	55.0	38.9	72.2



01110

Quantitation Report (QT Reviewed)

Data File : T:\DATA\02232005\L15262.D Vial: 0
Acq On : 24 Feb 2005 1:37 Operator:
Sample : 126377-16 &2 WATER ORGTIN Inst :
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 24 14:14:33 2005 Quant Results File: ORGTIN02232005.RE

Quant Method : T:\METHODS\ORGTIN02232005.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Thu Feb 24 13:30:28 2005
Response via : Initial Calibration
DataAcq Meth :

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Phenanthrene D10 (I)	9.56	188	245962+	100.00	pg/ul	0.00
System Monitoring Compounds						
2) Tripentyltin (S)	10.70	347	86681+	34.90	PG/UL	0.00

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

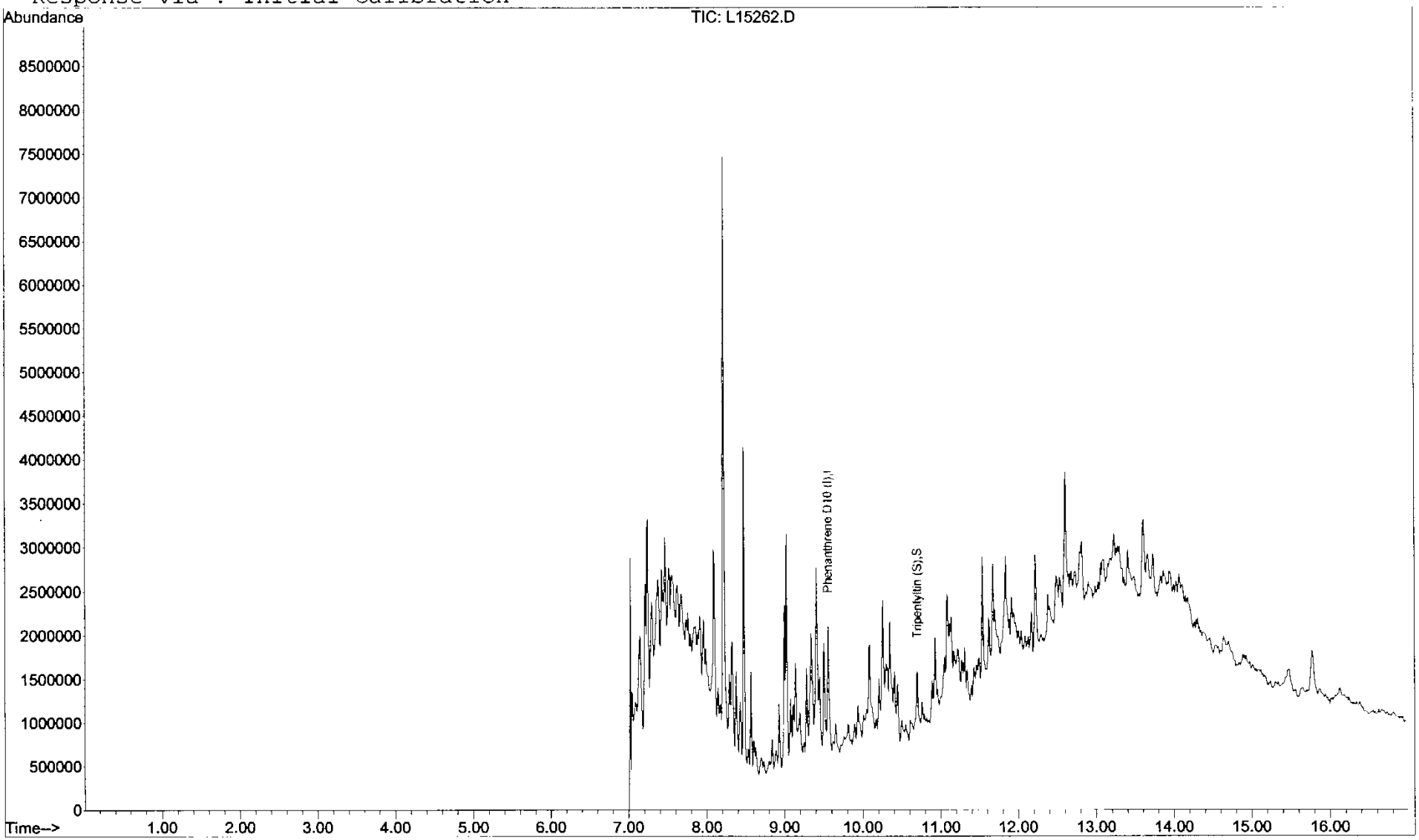
01111

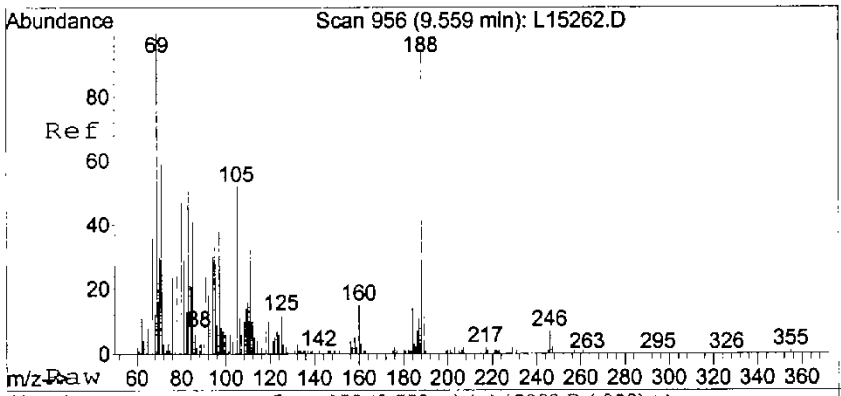
Quantitation Report (QT Reviewed)

Data File : T:\DATA\02232005\L15262.D
Acq On : 24 Feb 2005 1:37
Sample : 126377-16 &2 WATER ORGTIN
Misc :
MS Integration Params: rteint.p
Quant Time: Feb 24 14:14 2005

Vial: 0
Operator:
Inst :
Multiplr: 1.00
Quant Results File: ORGTIN02232005.RES

Method : T:\METHODS\ORGTIN02232005.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Thu Feb 24 13:30:28 2005
Response via : Initial Calibration

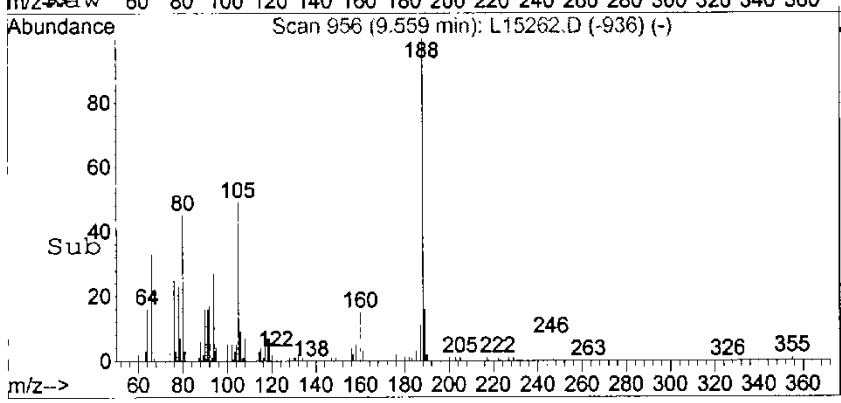


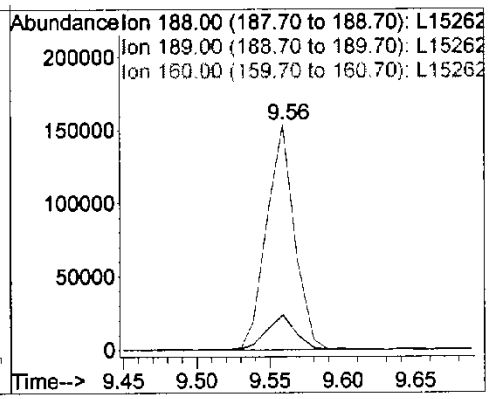


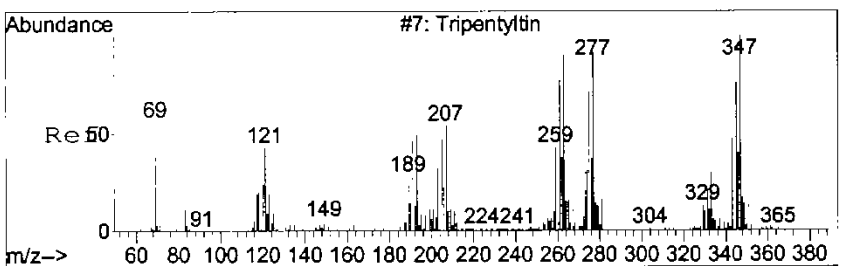
#1
Phenanthrene D10 (I)
Concen: 100.00 pg/ul
RT: 9.56 min Scan# 956
Delta R.T. -0.00 min
Lab File: L15262.D
Acq: 24 Feb 2005 1:37

Tgt Ion:188 Resp: 245962

Ion	Ratio	Lower	Upper
188	100		
189	14.7	7.6	17.8
160	13.8	8.2	19.2



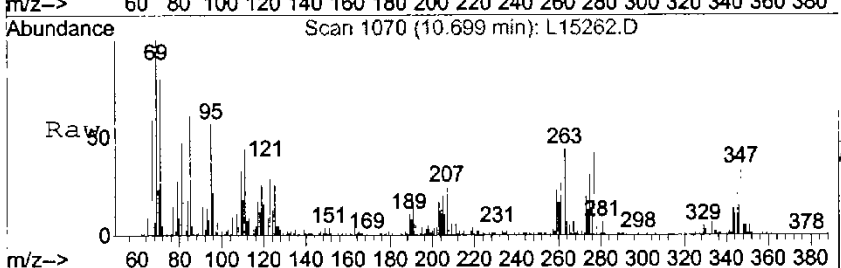


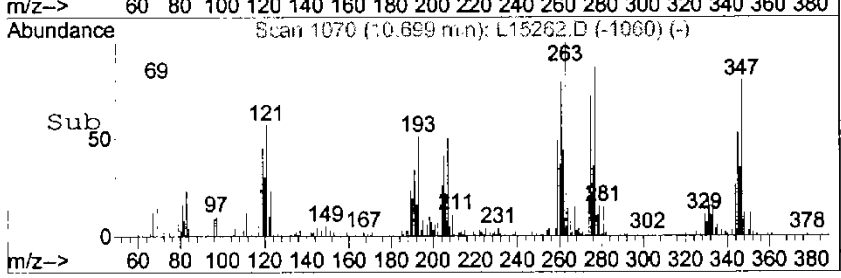


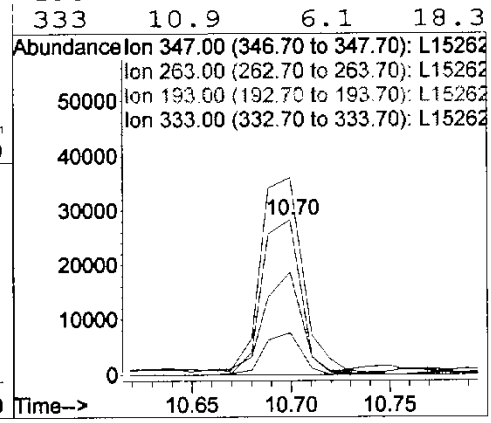
#2
Tripentyltin (S)
Concen: 34.90 PG/UL
RT: 10.70 min Scan# 1070
Delta R.T. 0.00 min
Lab File: L15262.D
Acq: 24 Feb 2005 1:37

Tgt Ion:347 Resp: 86681

Ion	Ratio	Lower	Upper
347	100		
263	57.2	22.8	91.2
193	27.5	12.0	36.0
333	10.9	6.1	18.3







01113

INITIAL CALIBRATION

Response Factor Report

Method : T:\METHODS\ORGTIN02232005.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Thu Feb 24 13:26:24 2005
Response via : Initial Calibration

Calibration Files

200	=L15232.D	100	=L15233.D	50	=L15234.D
10	=L15235.D	5	=L15236.D	1	=L15237.D

		Compound	200	100	50	10	5	1	Avg	%RSD
1)	I	Phenanthrene D10 (I)	----------ISTD----------							
2)	S	Tripentyltin (S	0.916	1.076	0.964	0.978	1.010	1.115	1.010	7.32
3)	T	Tetrabutyltin	0.667	0.719	0.697	0.712	0.776	0.974	0.758	14.78
4)	T	Tributyltin	1.309	1.358	1.128	1.045	1.151	1.007	1.166	12.06
5)	T	Dibutyltin	2.102	2.544	2.371	2.255	2.362	2.604	2.373	7.78
6)	T	Monobutyltin	1.631	1.706	1.716	1.593	1.615	1.700	1.660	3.20

(#) = Out of Range

Quantitation Report (Not Reviewed)

Data File : T:\DATA\02232005\L15232.D
Acq On : 23 Feb 2005 12:07
Sample : 200 PG/UL ORGTIN ICAL 979-37-3A
Misc :
MS Integration Params: rteint.p
Quant Time: Feb 24 13:24:22 2005

Vial: 0
Operator:
Inst :
Multiplr: 1.00

Quant Results File: ORGTIN02232005.RI

Quant Method : T:\METHODS\ORGTIN02232005.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Thu Feb 24 13:24:02 2005
Response via : Initial Calibration
DataAcq Meth :

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Phenanthrene D10 (I)	9.56	188	309400+	100.00	pg/ul	0.00
System Monitoring Compounds						
2) Tripentyltin (S)	10.70	347	450707+	159.00	PG/UL	0.00
Target Compounds						Qvalue
3) Tetrabutyltin	8.91	235	413044+	200.00	PG/UL	92
4) Tributyltin	9.70	319	593555+	146.60	PG/UL	76
5) Dibutyltin	10.41	347	750420+	115.40	PG/UL	93
6) Monobutyltin	11.05	291	410843+	81.40	PG/UL	68

(#) = qualifier out of range (m) = manual integration (+) = signals summed

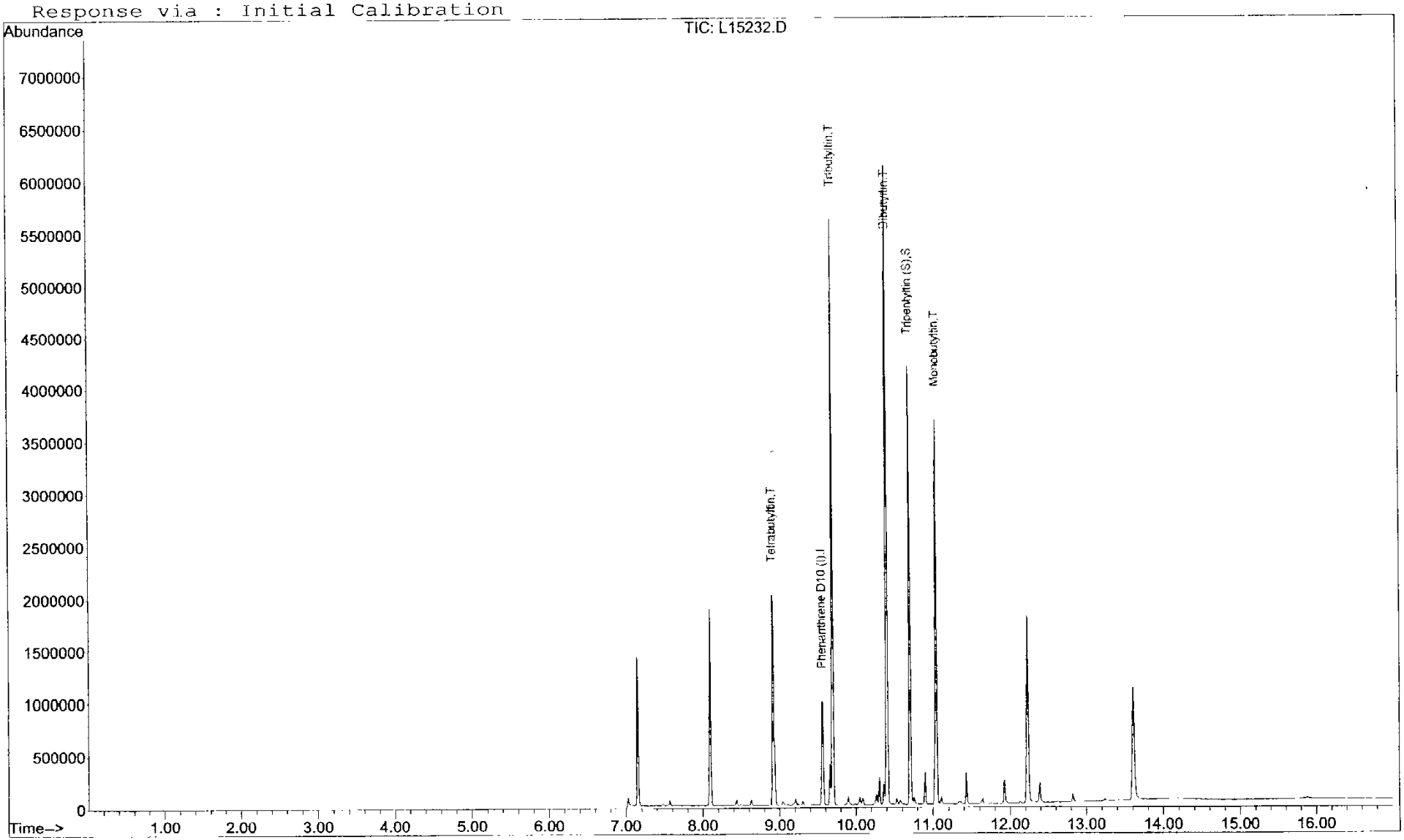
Quantitation Report (Not Reviewed)

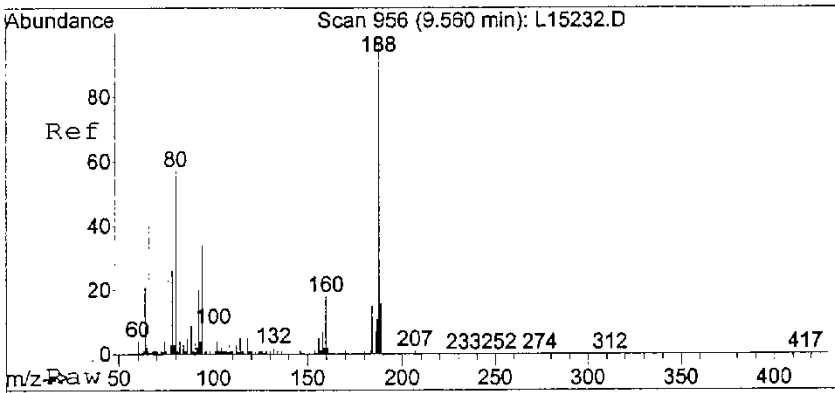
Data File : T:\DATA\02232005\L15232.D
Acq On : 23 Feb 2005 12:07
Sample : 200 PG/UL ORGTIN ICAL 979-37-3A
Misc :
MS Integration Params: rteint.p
Quant Time: Feb 24 13:24 2005

Vial: 0
Operator:
Inst :
Multiplr: 1.00

Quant Results File: ORGTIN02232005.RES

Method : T:\METHODS\ORGTIN02232005.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Thu Feb 24 13:26:24 2005
Response via : Initial Calibration

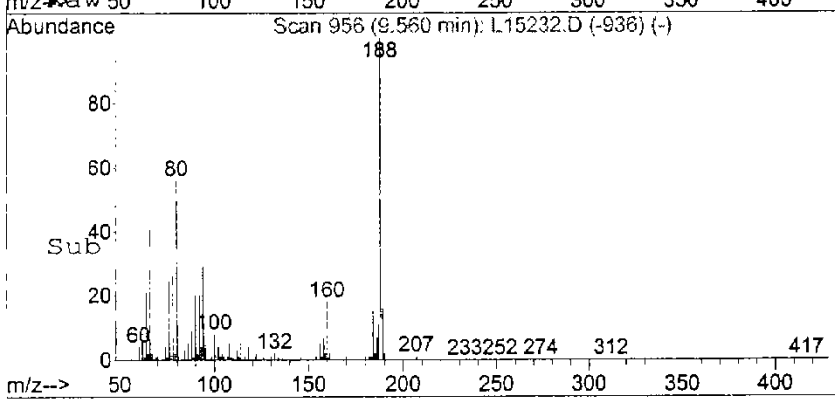


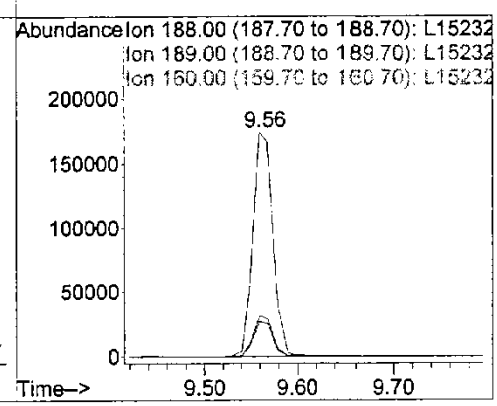


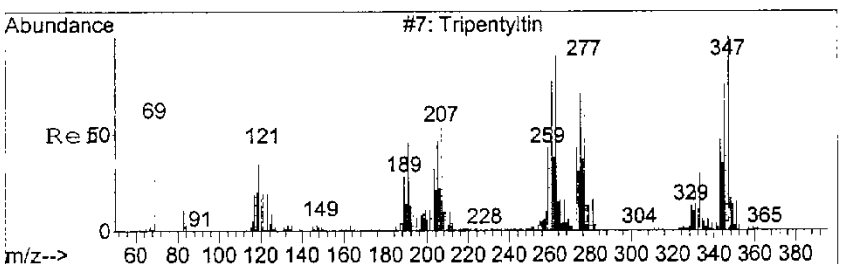
#1
Phenanthrene D10 (I)
Concen: 100.00 pg/ul
RT: 9.56 min Scan# 956
Delta R.T. 0.00 min
Lab File: L15232.D
Acq: 23 Feb 2005 12:07

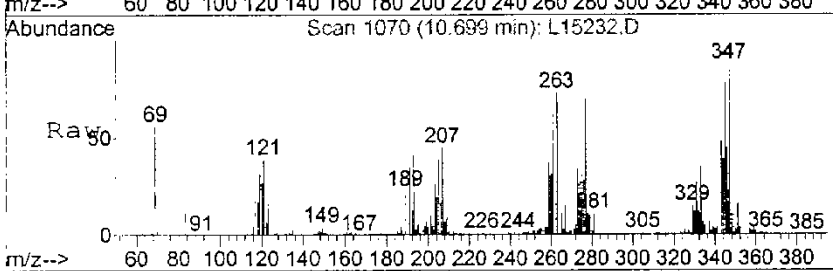
Tgt Ion:188 Resp: 309400

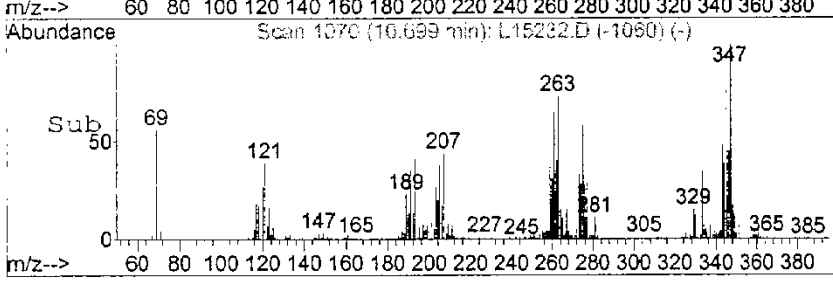
Ion	Ratio	Lower	Upper
188	100		
189	13.1	8.1	18.9
160	15.4	9.4	22.0







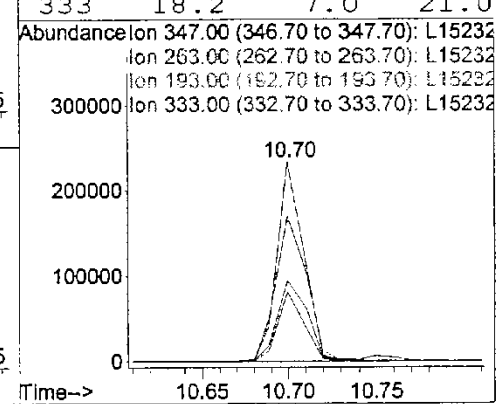




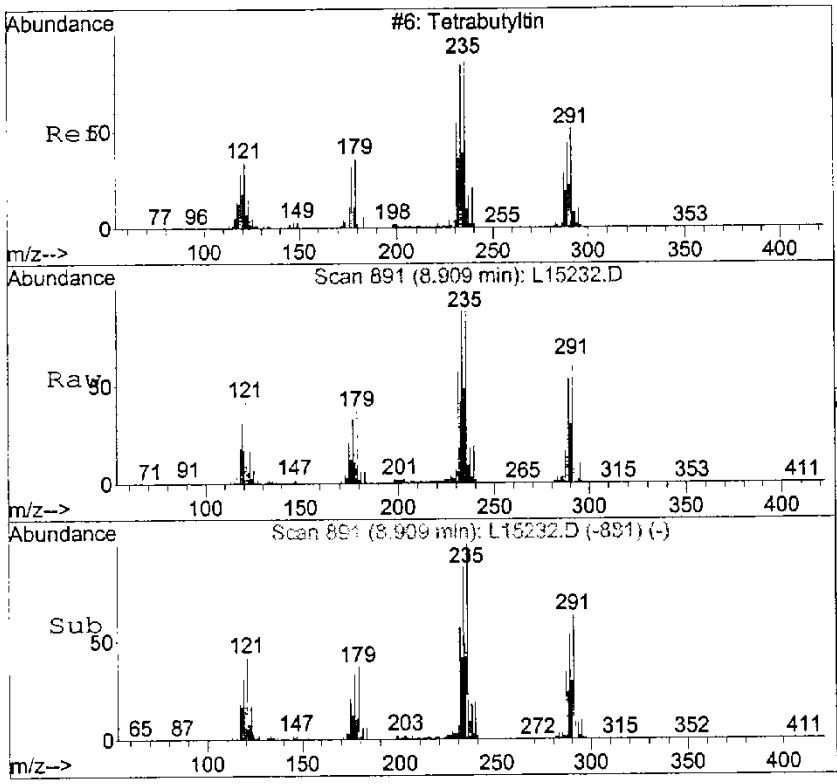
#2
Tripentyltin (S)
Concen: 159.00 PG/UL
RT: 10.70 min Scan# 1070
Delta R.T. 0.00 min
Lab File: L15232.D
Acq: 23 Feb 2005 12:07

Tgt Ion:347 Resp: 450707

Ion	Ratio	Lower	Upper
347	100		
263	45.9	11.8	47.0
193	24.2	8.2	24.6
333	18.2	7.0	21.0



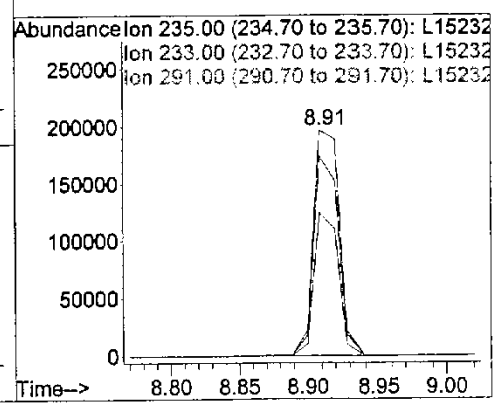
01118

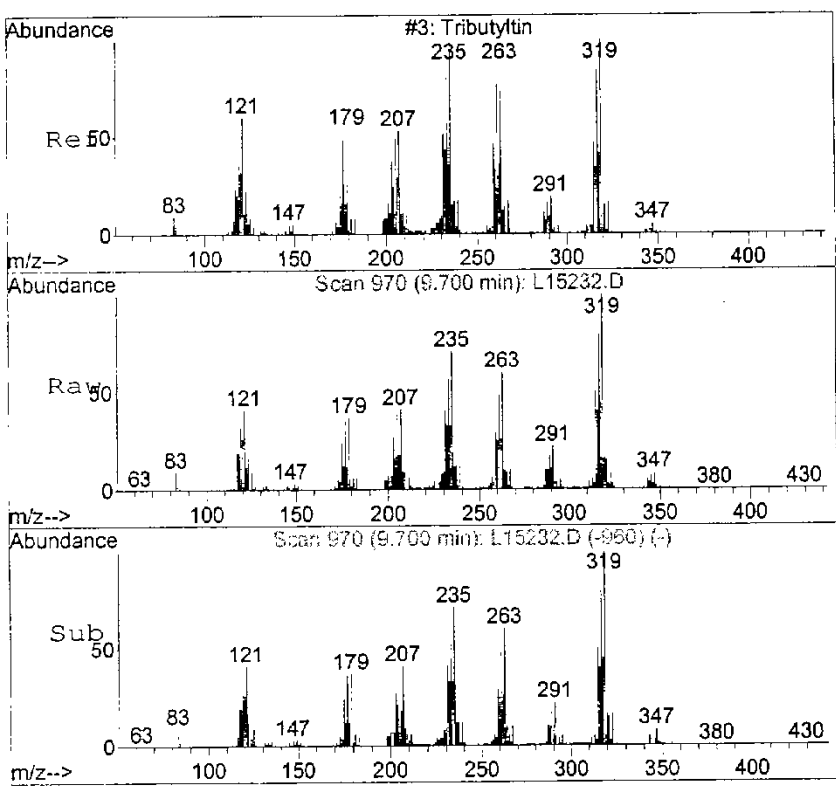


#3
Tetrabutyltin
Concen: 200.00 PG/UL
RT: 8.91 min Scan# 891
Delta R.T. 0.00 min
Lab File: L15232.D
Acq: 23 Feb 2005 12:07

Tgt Ion:235 Resp: 413044

Ion	Ratio	Lower	Upper
235	100		
233	52.5	32.8	61.0
291	37.1	23.5	43.7

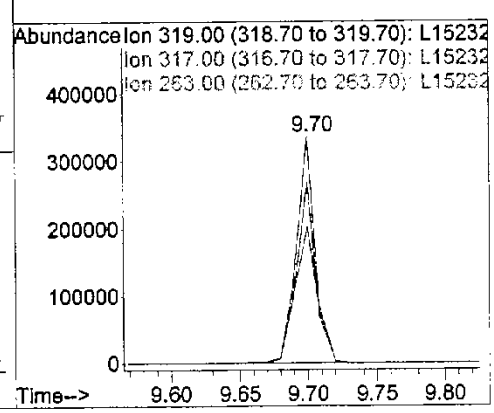




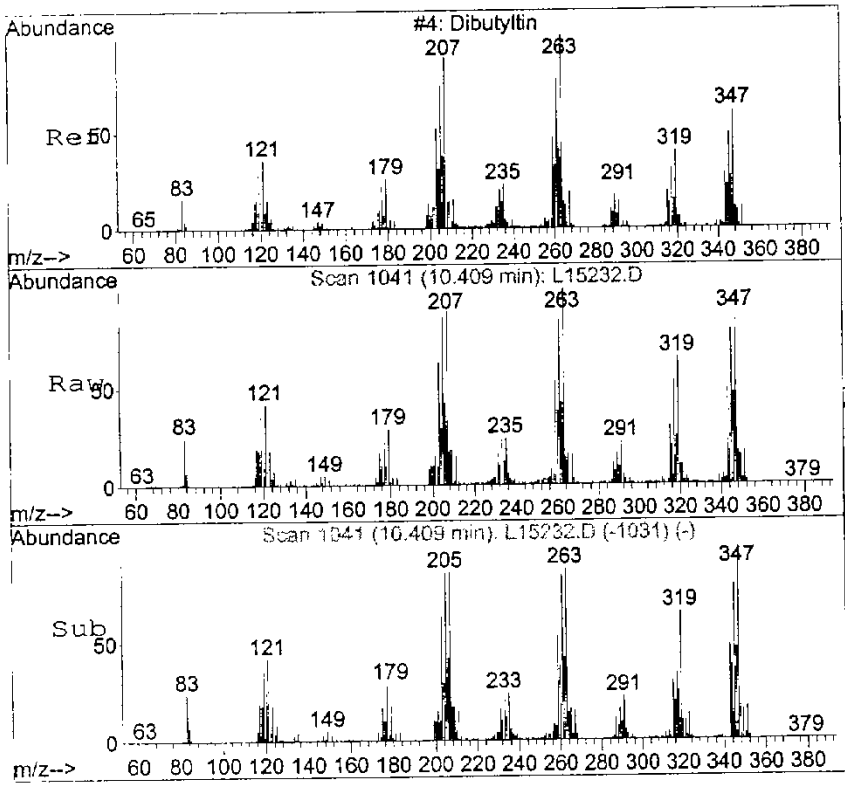
#4
Tributyltin
Concen: 146.60 PG/UL
RT: 9.70 min Scan# 970
Delta R.T. 0.00 min
Lab File: L15232.D
Acq: 23 Feb 2005 12:07

Tgt Ion:319 Resp: 593555

Ion	Ratio	Lower	Upper
319	100		
317	44.9	23.3	43.3#
263	39.3	17.6	32.6#



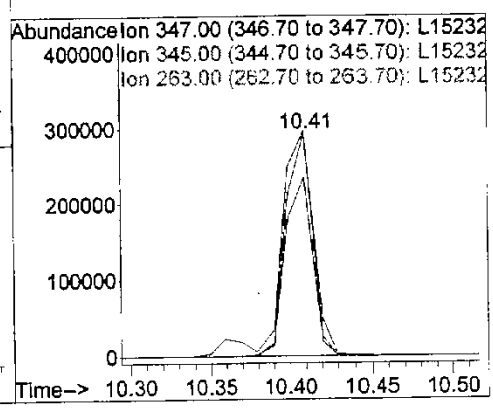
01119

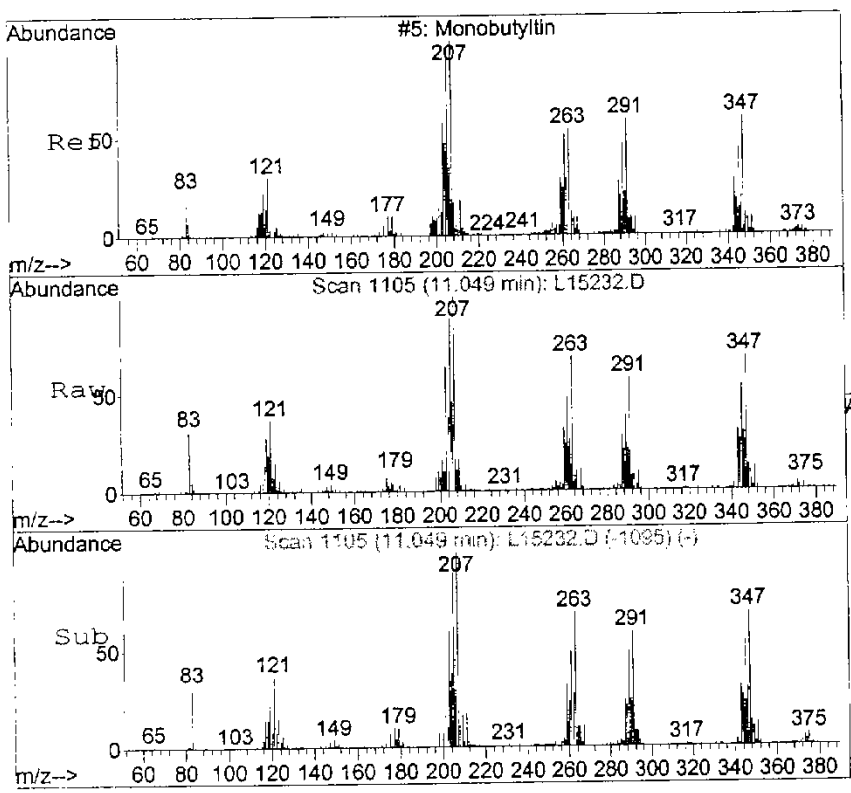


#5
Dibutyltin
Concen: 115.40 PG/UL
RT: 10.41 min Scan# 1041
Delta R.T. 0.00 min
Lab File: L15232.D
Acq: 23 Feb 2005 12:07

Tgt Ion:347 Resp: 750420

Ion	Ratio	Lower	Upper
347	100		
345	36.6	27.9	51.7
263	55.5	35.2	65.4

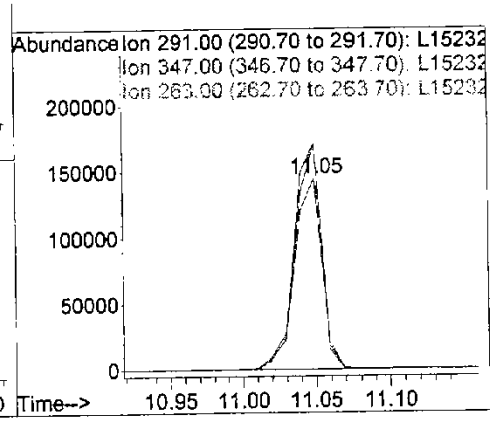




#6
Monobutyltin
Concen: 81.40 PG/UL
RT: 11.05 min Scan# 1105
Delta R.T. 0.00 min
Lab File: L15232.D
Acq: 23 Feb 2005 12:07

Tgt Ion:291 Resp: 410843

Ion	Ratio	Lower	Upper
291	100		
347	53.8	14.1	56.3
263	53.2	14.0	56.2



01120

Quantitation Report (Not Reviewed)

Data File : T:\DATA\02232005\L15233.D
Acq On : 23 Feb 2005 12:31
Sample : 100 PG/UL ORGTIN ICAL 979-37-3B
Misc :
MS Integration Params: rteint.p
Quant Time: Feb 24 13:24:39 2005

Vial: 0
Operator:
Inst :
Multiplr: 1.00

Quant Results File: ORGTIN02232005.RI

Quant Method : T:\METHODS\ORGTIN02232005.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Thu Feb 24 13:24:31 2005
Response via : Initial Calibration
DataAcq Meth :

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Phenanthrene D10 (I)	9.57	188	296619+	100.00	pg/ul	0.00
System Monitoring Compounds						
2) Tripentyltin (S)	10.70	347	253734+	93.37	PG/UL	0.00
Target Compounds						Qvalue
3) Tetrabutyltin	8.91	235	213197+	107.68	PG/UL	93
4) Tributyltin	9.70	319	295322+	76.08	PG/UL	68
5) Dibutyltin	10.41	347	435462+	69.85	PG/UL	85
6) Monobutyltin	11.05	291	205961+	42.57	PG/UL	68

(#) = qualifier out of range (m) = manual integration (+) = signals summed

01121

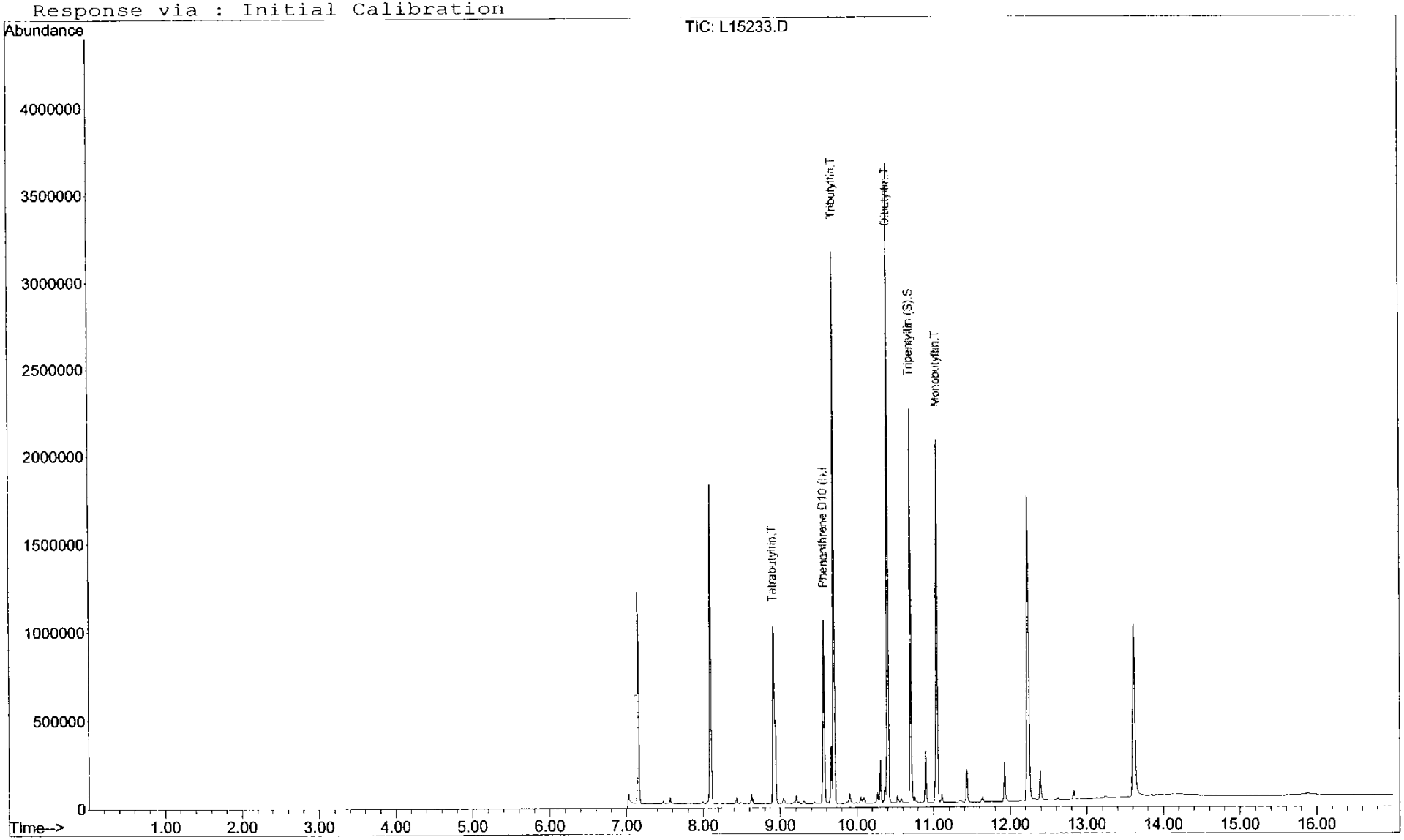
Quantitation Report (Not Reviewed)

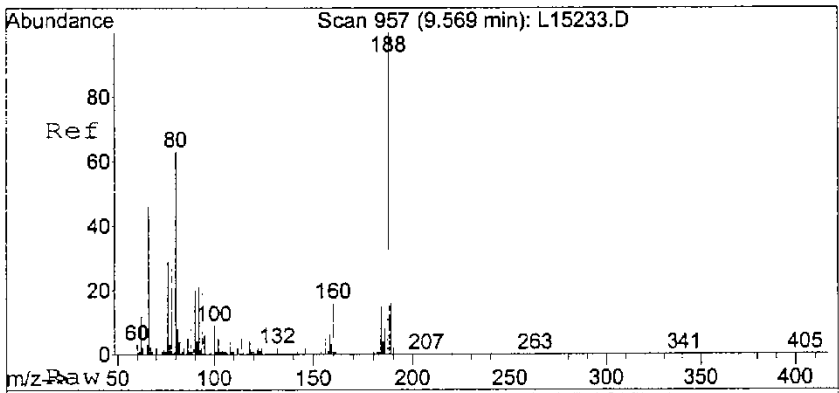
Data File : T:\DATA\02232005\L15233.D
Acq On : 23 Feb 2005 12:31
Sample : 100 PG/UL ORGTIN ICAL 979-37-3B
Misc :
MS Integration Params: rteint.p
Quant Time: Feb 24 13:24 2005

Vial: 0
Operator:
Inst :
Multiplr: 1.00

Quant Results File: ORGTIN02232005.RES

Method : T:\METHODS\ORGTIN02232005.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Thu Feb 24 13:26:24 2005
Response via : Initial Calibration

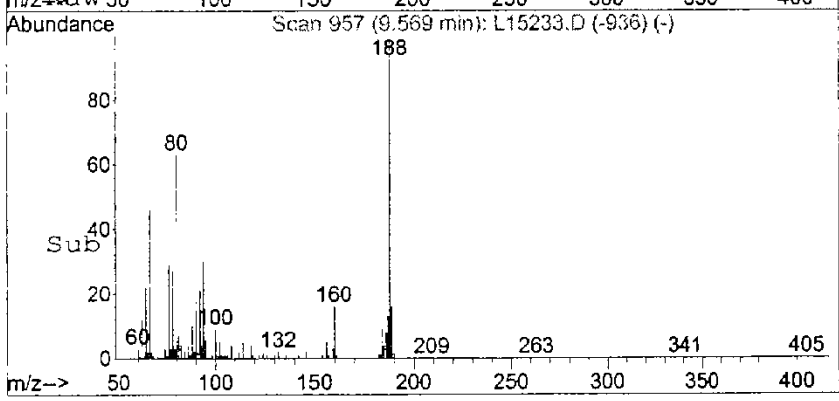


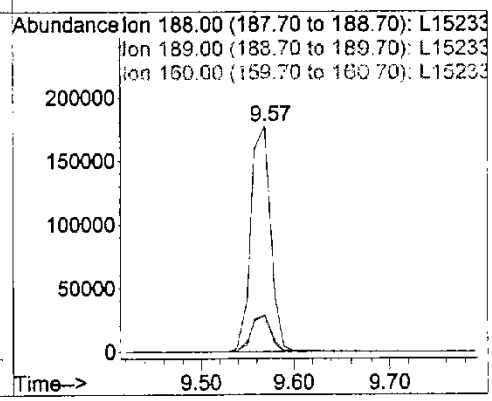


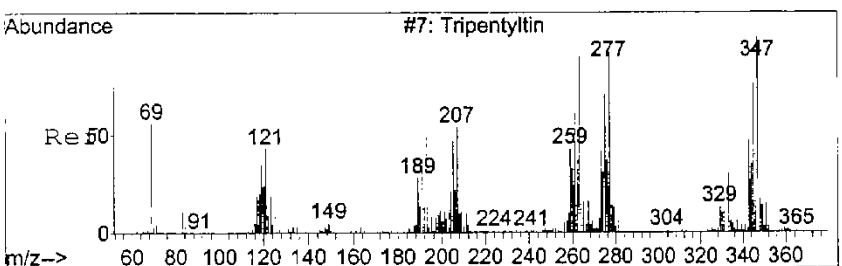
#1
Phenanthrene D10 (I)
Concen: 100.00 pg/ul
RT: 9.57 min Scan# 957
Delta R.T. 0.01 min
Lab File: L15233.D
Acq: 23 Feb 2005 12:31

Tgt Ion:188 Resp: 296619

Ion	Ratio	Lower	Upper
188	100		
189	13.3	8.1	18.9
160	14.2	9.4	22.0



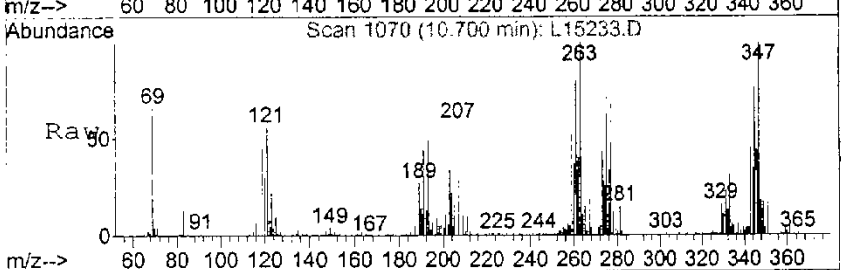


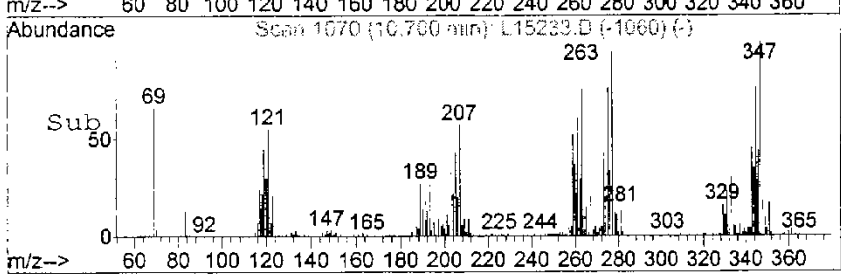


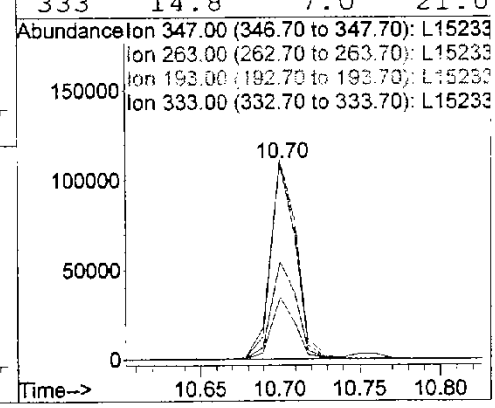
#2
Tripentyltin (S)
Concen: 93.37 PG/UL
RT: 10.70 min Scan# 1070
Delta R.T. 0.00 min
Lab File: L15233.D
Acq: 23 Feb 2005 12:31

Tgt Ion:347 Resp: 253734

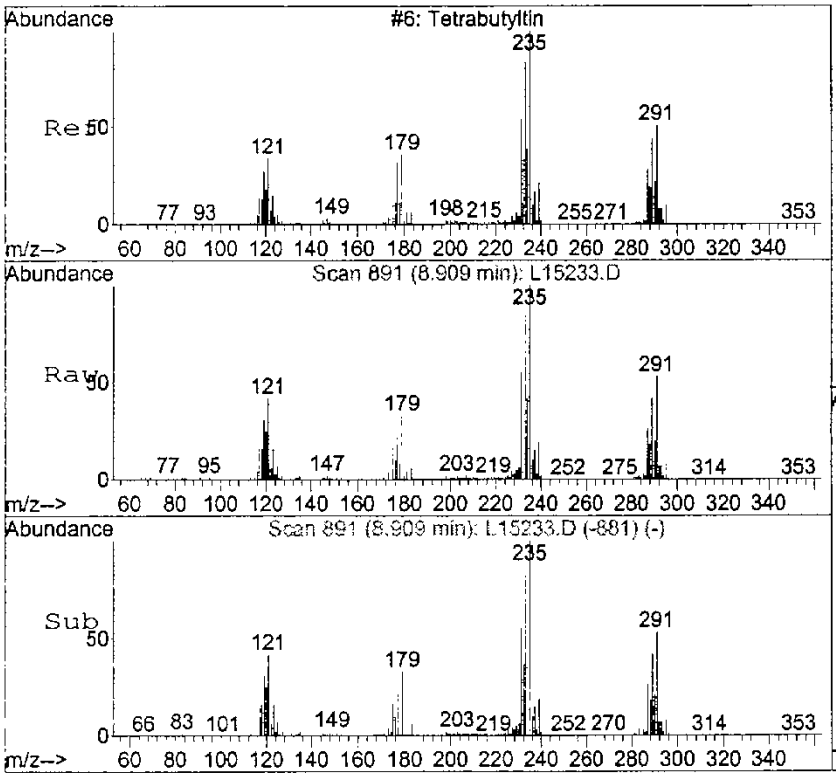
Ion	Ratio	Lower	Upper
347	100		
263	52.0	11.8	47.0#
193	24.6	8.2	24.6#
333	14.8	7.0	21.0







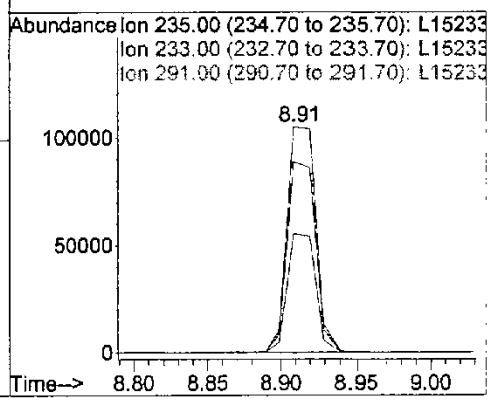
01123

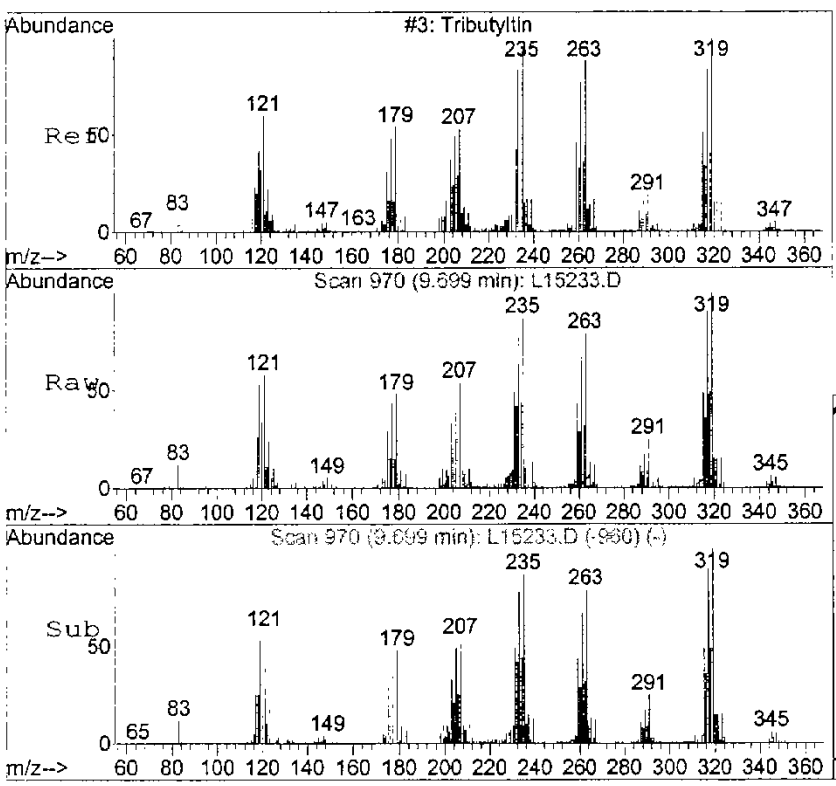


#3
Tetrabutyltin
Concen: 107.68 PG/UL
RT: 8.91 min Scan# 891
Delta R.T. 0.00 min
Lab File: L15233.D
Acq: 23 Feb 2005 12:31

Tgt Ion:235 Resp: 213197

Ion	Ratio	Lower	Upper
235	100		
233	55.0	32.8	61.0
291	33.6	23.5	43.7

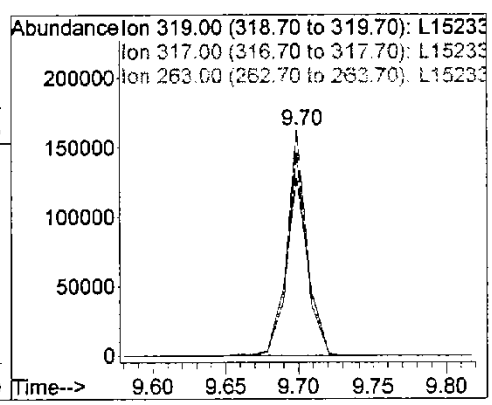




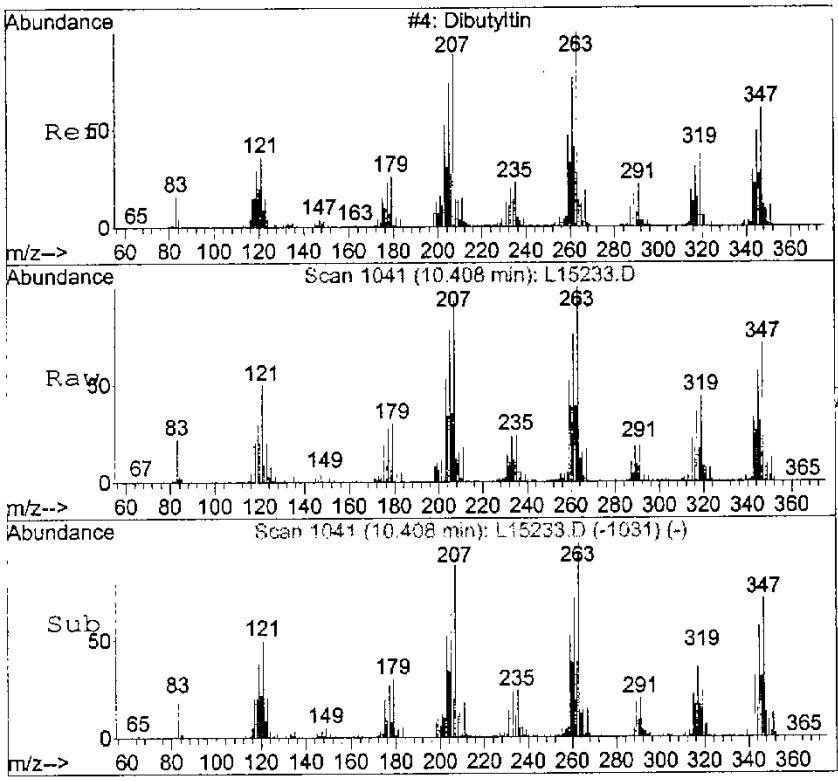
#4
Tributyltin
Concen: 76.08 PG/UL
RT: 9.70 min Scan# 970
Delta R.T. -0.00 min
Lab File: L15233.D
Acq: 23 Feb 2005 12:31

Tgt Ion:319 Resp: 295322

Ion	Ratio	Lower	Upper
319	100		
317	46.2	23.3	43.3#
263	47.3	17.6	32.6#



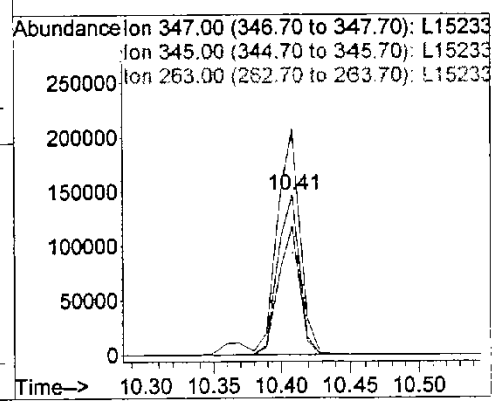
01124

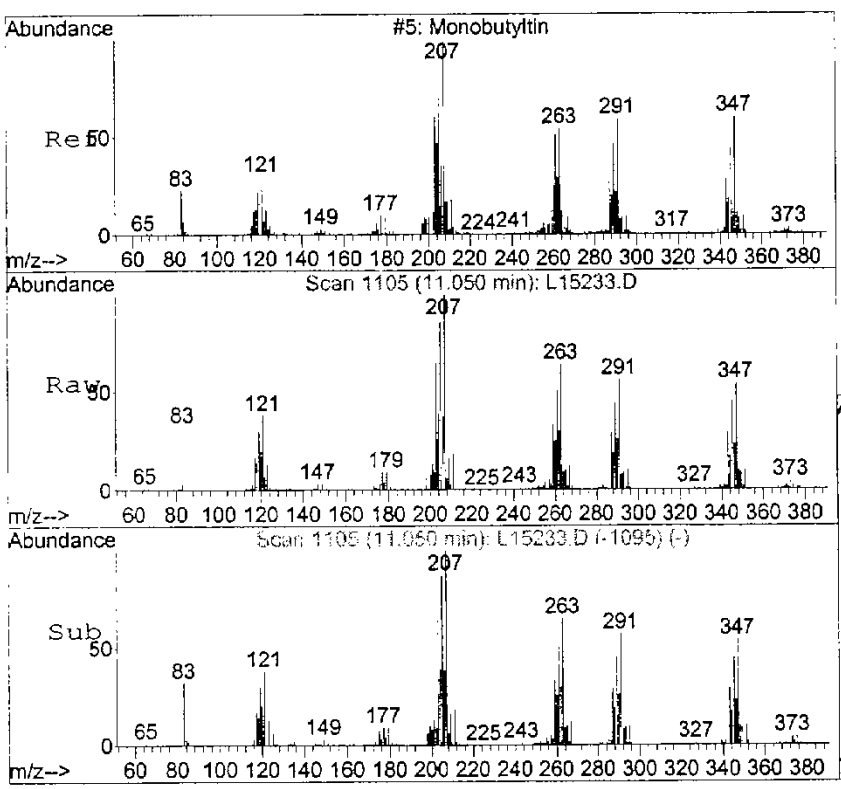


#5
Dibutyltin
Concen: 69.85 PG/UL
RT: 10.41 min Scan# 1041
Delta R.T. -0.00 min
Lab File: L15233.D
Acq: 23 Feb 2005 12:31

Tgt Ion:347 Resp: 435462

Ion	Ratio	Lower	Upper
347	100		
345	30.4	27.9	51.7
263	60.9	35.2	65.4

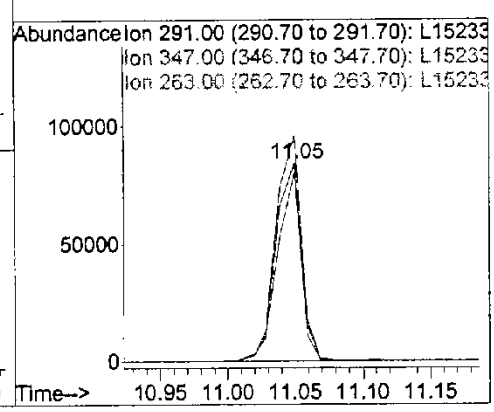




#6
Monobutyltin
Concen: 42.57 PG/UL
RT: 11.05 min Scan# 1105
Delta R.T. 0.00 min
Lab File: L15233.D
Acq: 23 Feb 2005 12:31

Tgt Ion:291 Resp: 205961

Ion	Ratio	Lower	Upper
291	100		
347	46.7	14.1	56.3
263	60.5	14.0	56.2#



01125

Quantitation Report (Not Reviewed)

Data File : T:\DATA\02232005\L15234.D
Acq On : 23 Feb 2005 12:55
Sample : 50 PG/UL ORGTIN ICAL 979-37-3C
Misc :
MS Integration Params: rteint.p
Quant Time: Feb 24 13:25:03 2005

Vial: 0
Operator:
Inst :
Multiplr: 1.00

Quant Results File: ORGTIN02232005.RI

Quant Method : T:\METHODS\ORGTIN02232005.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Thu Feb 24 13:24:52 2005
Response via : Initial Calibration
DataAcq Meth :

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Phenanthrene D10 (I)	9.56	188	301360+	100.00	pg/ul	0.00
System Monitoring Compounds						
2) Tripentyltin (S)	10.70	347	115468+	38.47	PG/UL	0.00
Target Compounds						Qvalue
3) Tetrabutyltin	8.91	235	105000+	50.27	PG/UL	97
4) Tributyltin	9.69	319	124590+	31.00	PG/UL	92
5) Dibutyltin	10.40	347	206141+	29.45	PG/UL	92
6) Monobutyltin	11.04	291	105245+	20.93	PG/UL	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

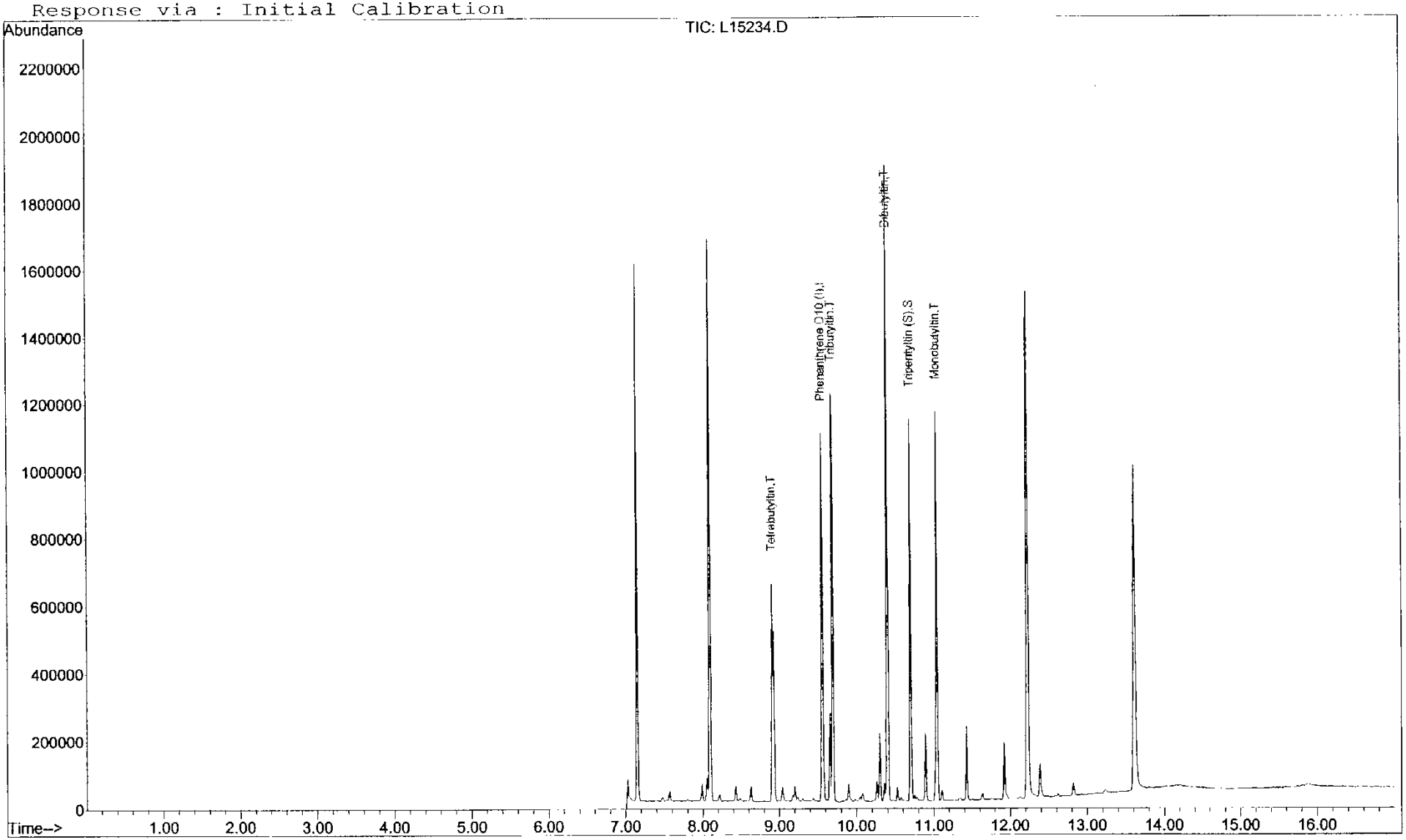
01126

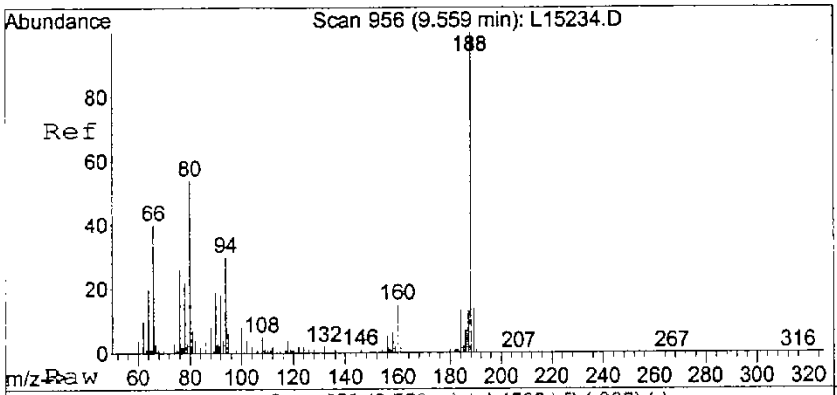
Data File : T:\DATA\02232005\L15234.D
Acq On : 23 Feb 2005 12:55
Sample : 50 PG/UL ORGTIN ICAL 979-37-3C
Misc :
MS Integration Params: rteint.p
Quant Time: Feb 24 13:25 2005

Vial: 0
Operator:
Inst :
Multiplr: 1.00

Quant Results File: ORGTIN02232005.RES

Method : T:\METHODS\ORGTIN02232005.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Thu Feb 24 13:26:24 2005
Response via : Initial Calibration

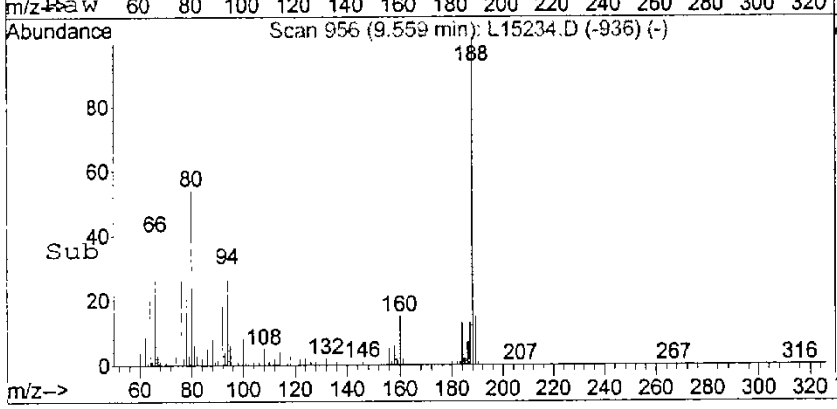


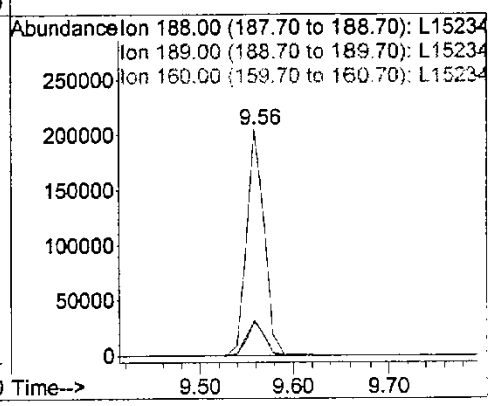


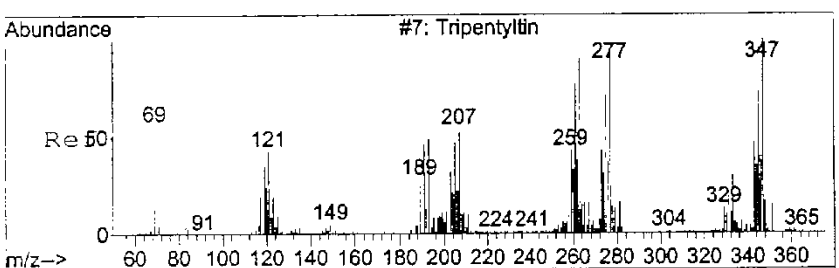
#1
Phenanthrene D10 (I)
Concen: 100.00 pg/ul
RT: 9.56 min Scan# 956
Delta R.T. -0.00 min
Lab File: L15234.D
Acq: 23 Feb 2005 12:55

Tgt Ion:188 Resp: 301360

Ion	Ratio	Lower	Upper
188	100		
189	12.7	8.0	18.6
160	13.7	8.5	19.9



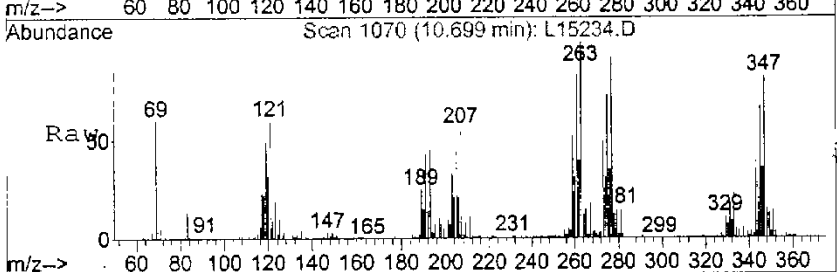


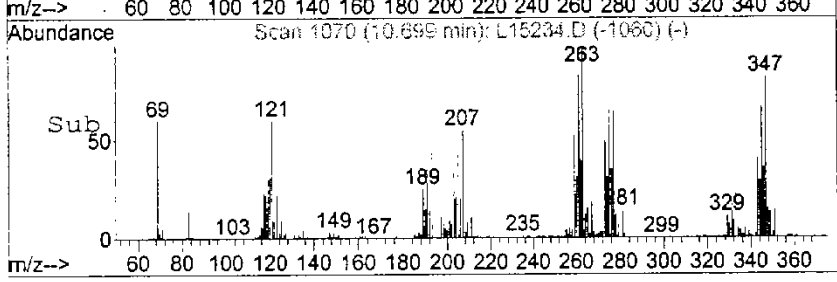


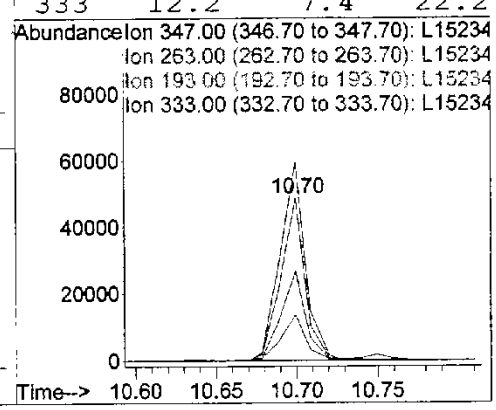
#2
Tripentyltin (S)
Concen: 38.47 PG/UL
RT: 10.70 min Scan# 1070
Delta R.T. 0.00 min
Lab File: L15234.D
Acq: 23 Feb 2005 12:55

Tgt Ion:347 Resp: 115468

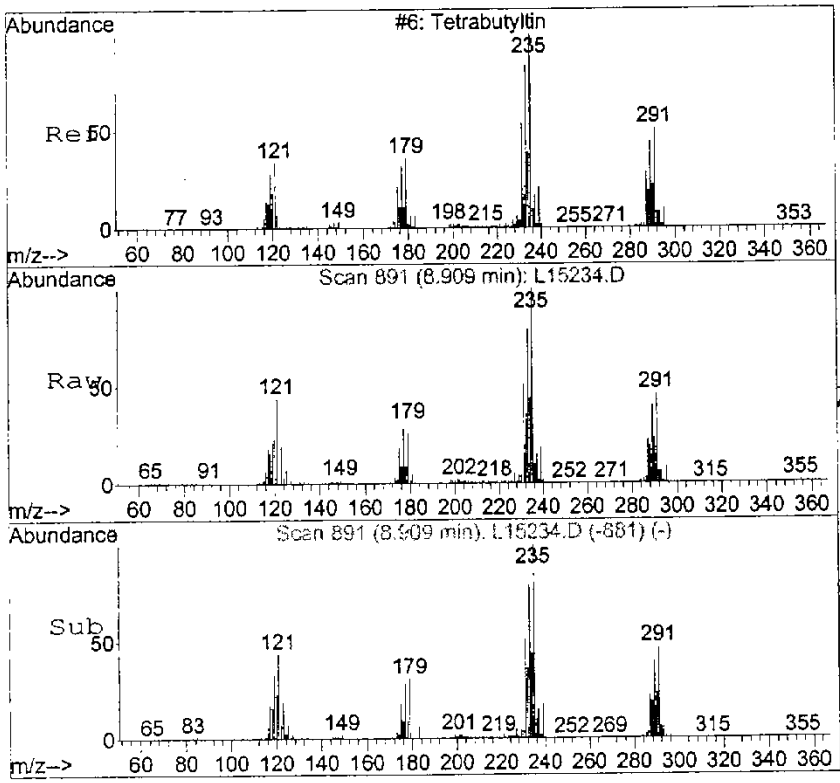
Ion	Ratio	Lower	Upper
347	100		
263	57.0	20.8	83.2
193	24.0	12.3	36.9
333	12.2	7.4	22.2







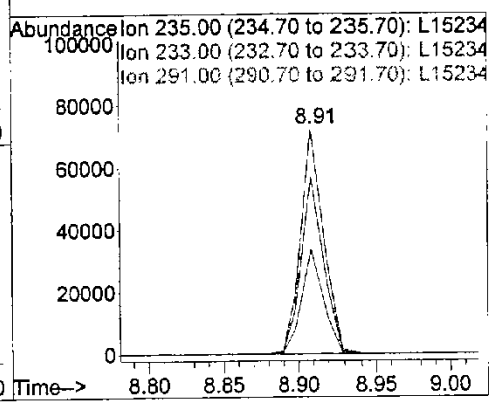
01128

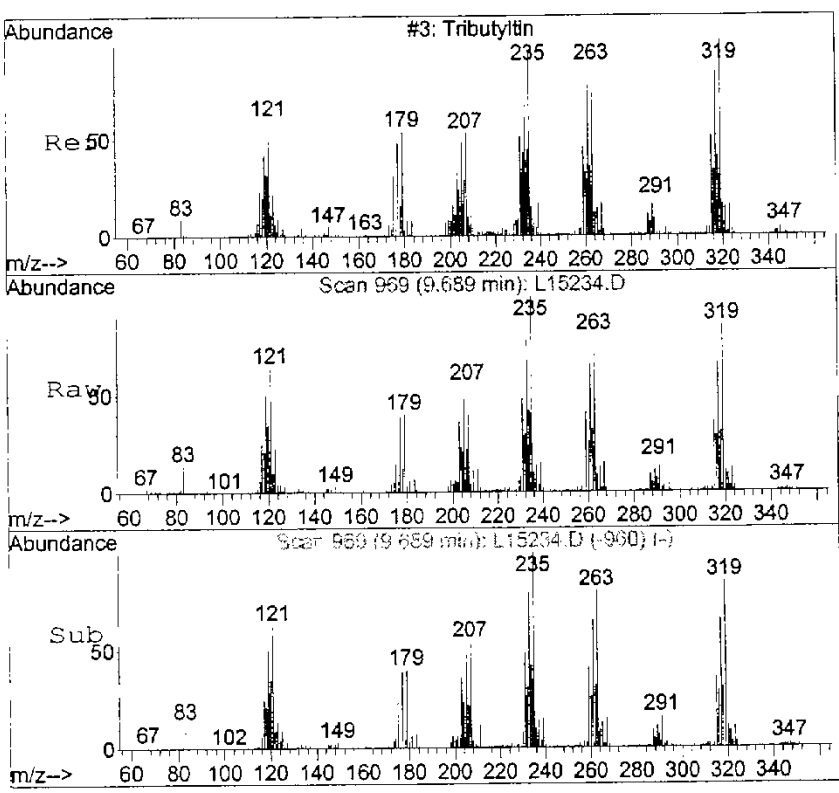


#3
Tetrabutyltin
Concen: 50.27 PG/UL
RT: 8.91 min Scan# 891
Delta R.T. 0.00 min
Lab File: L15234.D
Acq: 23 Feb 2005 12:55

Tgt Ion:235 Resp: 105000

Ion	Ratio	Lower	Upper
235	100		
233	53.6	38.5	71.5
291	30.7	23.5	43.7

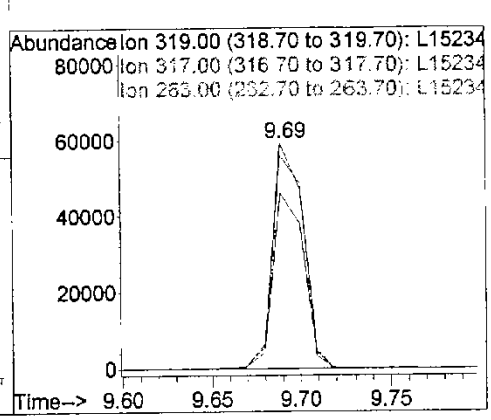




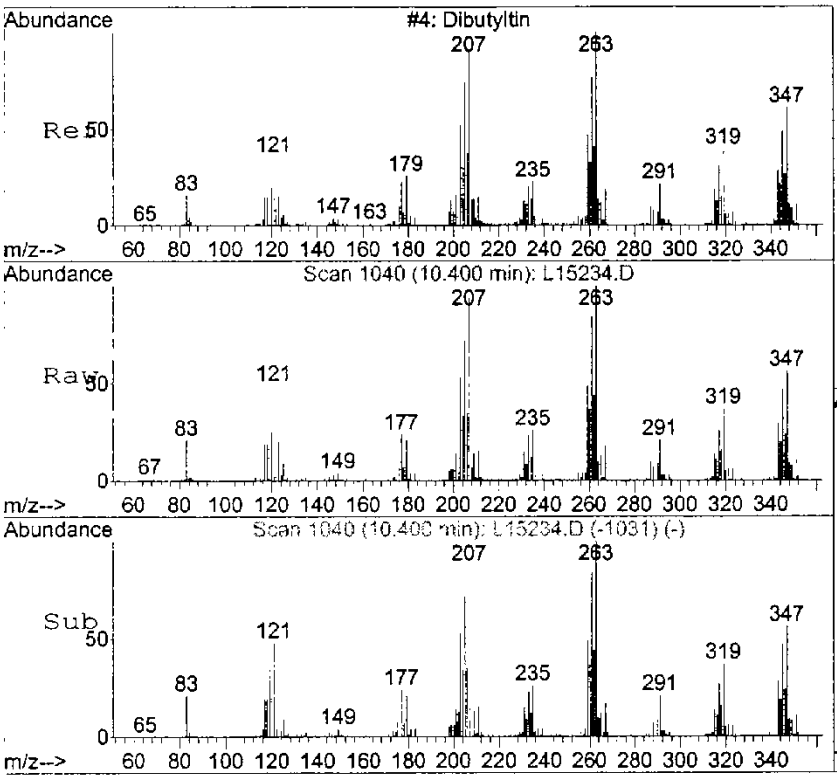
#4
Tributyltin
Concen: 31.00 PG/UL
RT: 9.69 min Scan# 969
Delta R.T. -0.01 min
Lab File: L15234.D
Acq: 23 Feb 2005 12:55

Tgt Ion:319 Resp: 124590

Ion	Ratio	Lower	Upper
319	100		
317	43.8	32.3	60.1
263	55.5	33.1	61.5



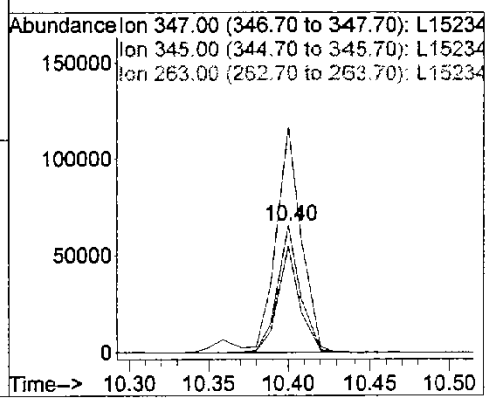
01129

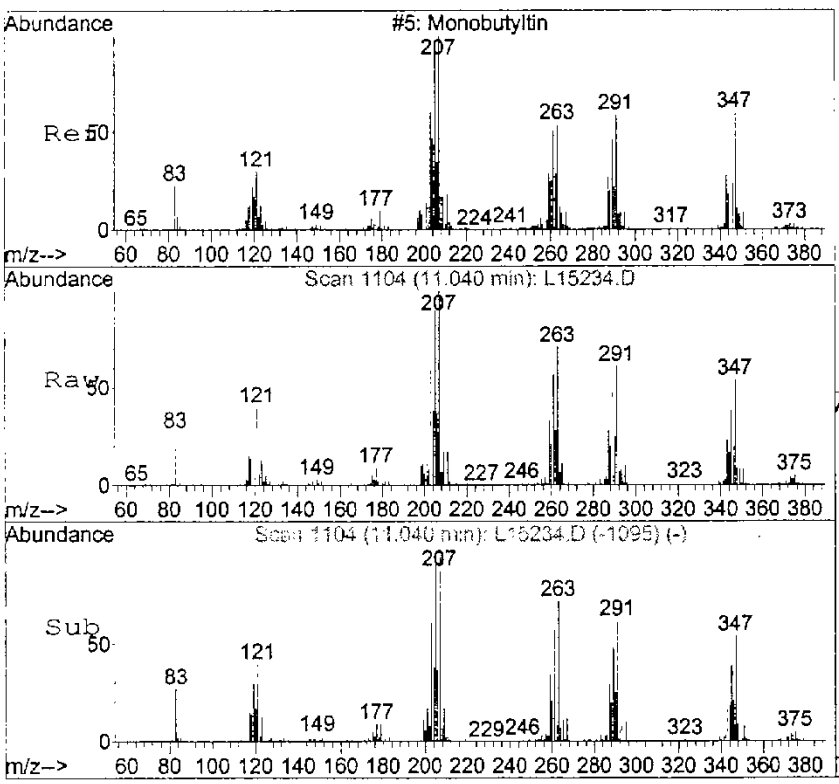


#5
Dibutyltin
Concen: 29.45 PG/UL
RT: 10.40 min Scan# 1040
Delta R.T. -0.01 min
Lab File: L15234.D
Acq: 23 Feb 2005 12:55

Tgt Ion:347 Resp: 206141

Ion	Ratio	Lower	Upper
347	100		
345	26.4	21.3	39.5
263	67.0	42.6	79.2

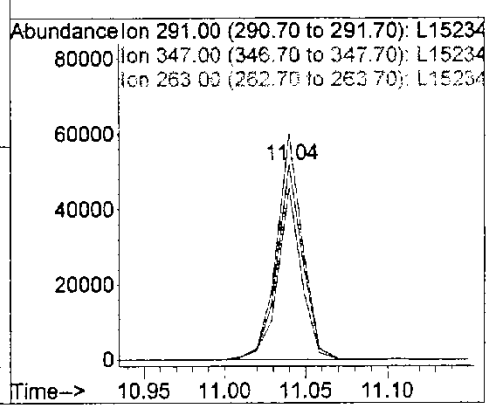




#6
Monobutyltin
Concen: 20.93 PG/UL
RT: 11.04 min Scan# 1104
Delta R.T. -0.01 min
Lab File: L15234.D
Acq: 23 Feb 2005 12:55

Tgt Ion:291 Resp: 105245

Ion	Ratio	Lower	Upper
291	100		
347	44.8	18.7	74.7
263	64.2	24.2	96.8



01130

Quantitation Report (Not Reviewed)

Data File : T:\DATA\02232005\L15235.D
Acq On : 23 Feb 2005 13:19
Sample : 10 PG/UL ORGTIN ICAL 979-37-3D
Misc :
MS Integration Params: rteint.p
Quant Time: Feb 24 13:25:21 2005

Vial: 0
Operator:
Inst :
Multiplr: 1.00
Quant Results File: ORGTIN02232005.RE

Quant Method : T:\METHODS\ORGTIN02232005.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Thu Feb 24 13:25:12 2005
Response via : Initial Calibration
DataAcq Meth :

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Phenanthrene D10 (I)	9.56	188	298112+	100.00	pg/ul	0.00
System Monitoring Compounds						
2) Tripentyltin (S)	10.70	347	23174+	7.89	PG/UL	0.00
Target Compounds						Qvalue
3) Tetrabutyltin	8.91	235	21232+	10.26	PG/UL	98
4) Tributyltin	9.69	319	22826+	6.05	PG/UL	91
5) Dibutyltin	10.40	347	38796+	5.56	PG/UL	94
6) Monobutyltin	11.04	291	19334+	3.85	PG/UL	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

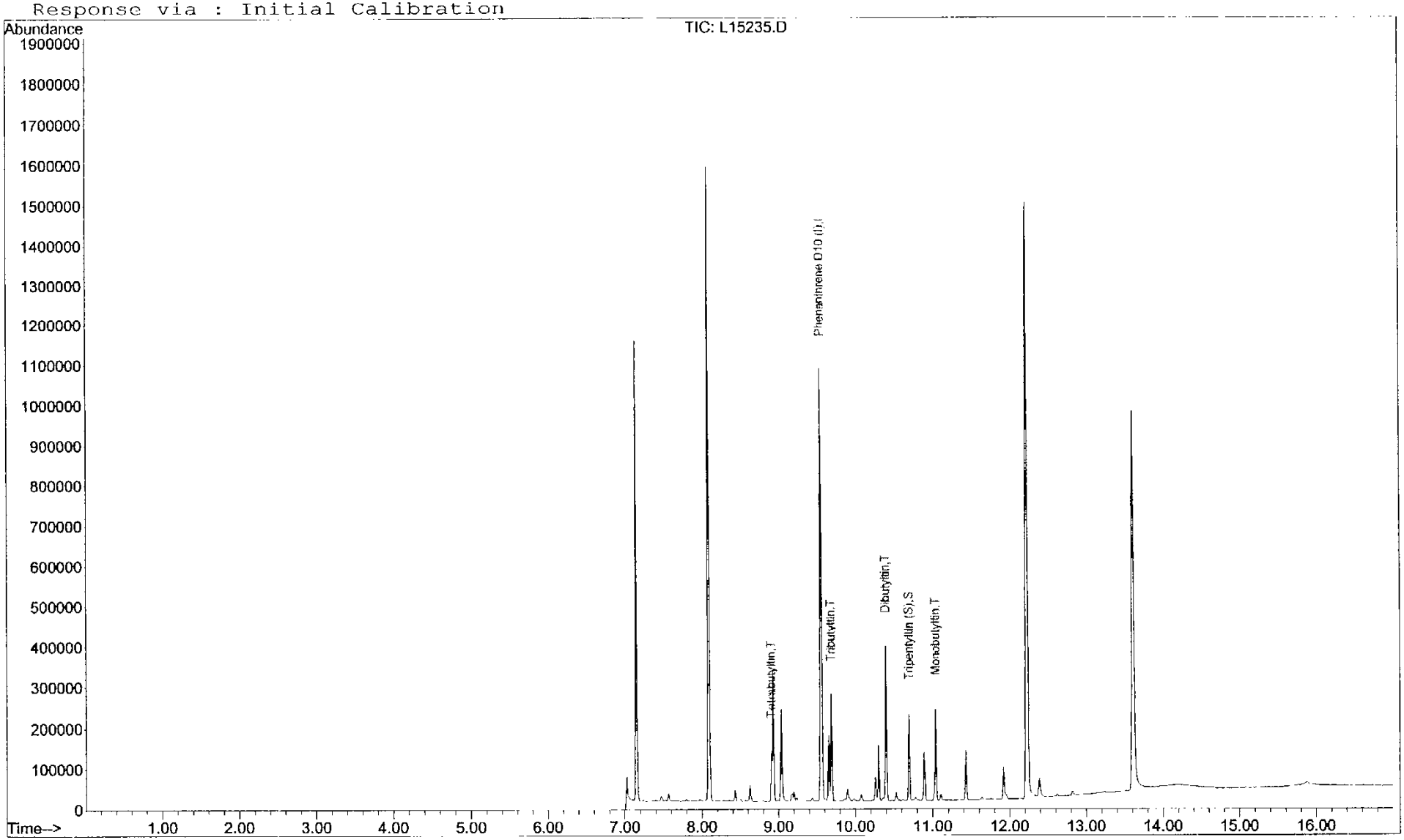
01131

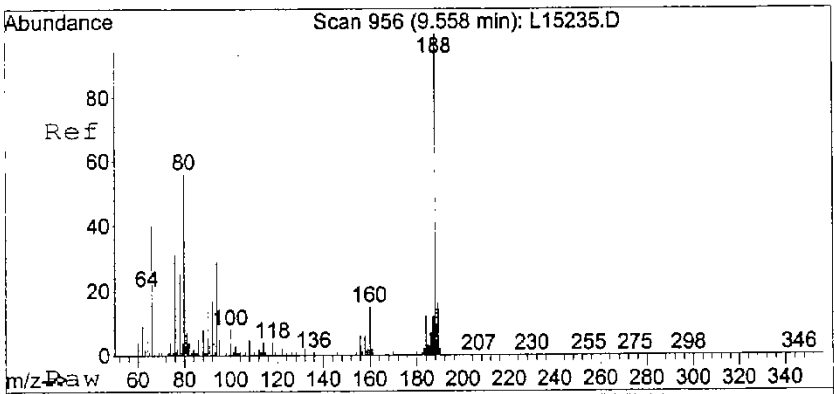
Data File : T:\DATA\02232005\L15235.D
Acq On : 23 Feb 2005 13:19
Sample : 10 PG/UL ORGTIN ICAL 979-37-3D
Misc :
MS Integration Params: rteint.p
Quant Time: Feb 24 13:25 2005

Vial: 0
Operator:
Inst :
Multiplr: 1.00

Quant Results File: ORGTIN02232005.RES

Method : T:\METHODS\ORGTIN02232005.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Thu Feb 24 13:26:24 2005
Response via : Initial Calibration

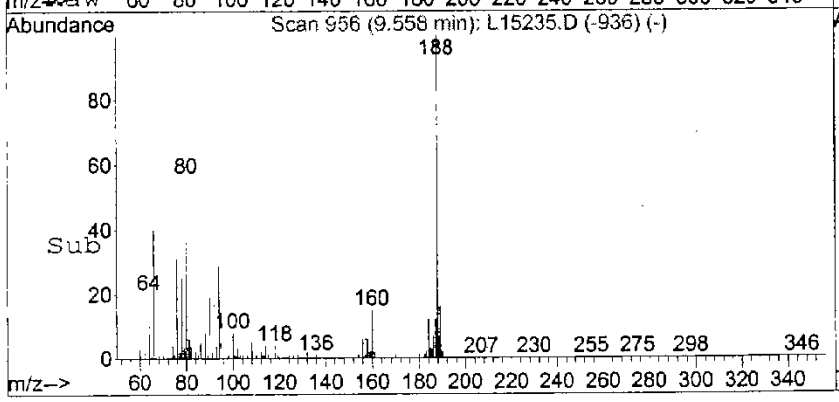


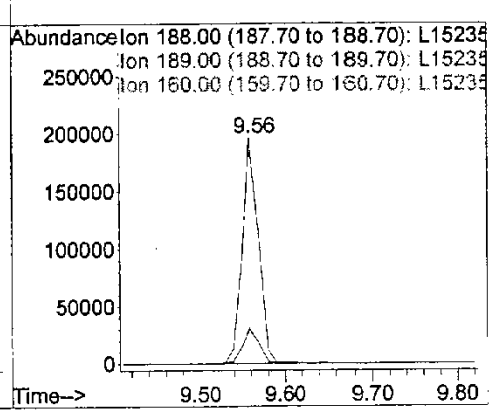


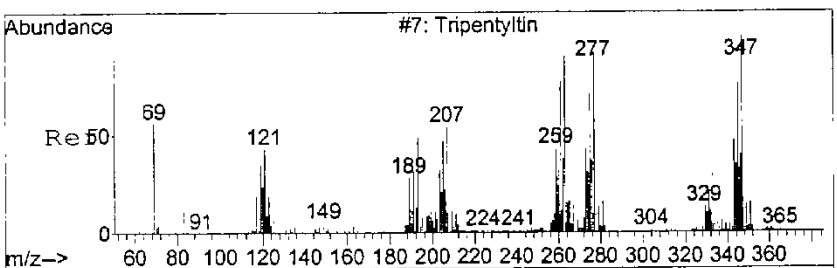
#1
Phenanthrene D10 (I)
Concen: 100.00 pg/ul
RT: 9.56 min Scan# 956
Delta R.T. -0.00 min
Lab File: L15235.D
Acq: 23 Feb 2005 13:19

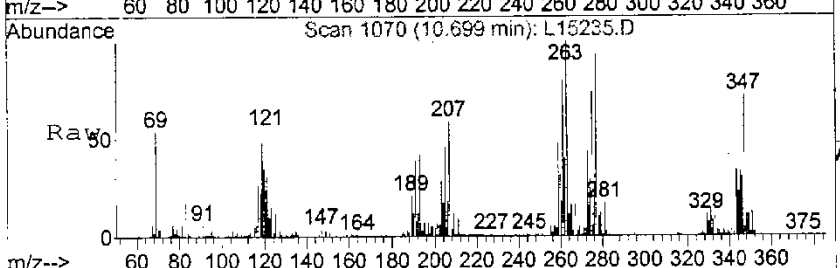
Tgt Ion:188 Resp: 298112

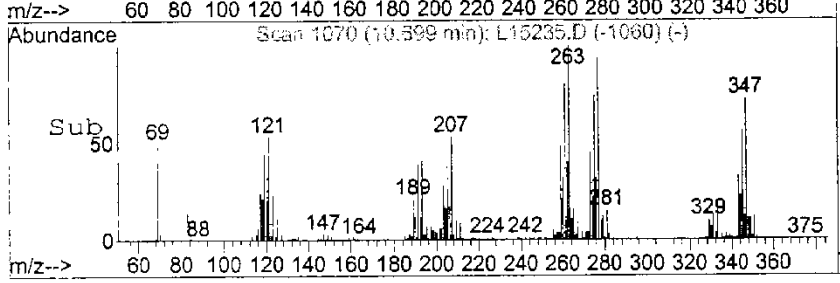
Ion	Ratio	Lower	Upper
188	100		
189	13.8	7.6	17.8
160	13.8	8.2	19.2







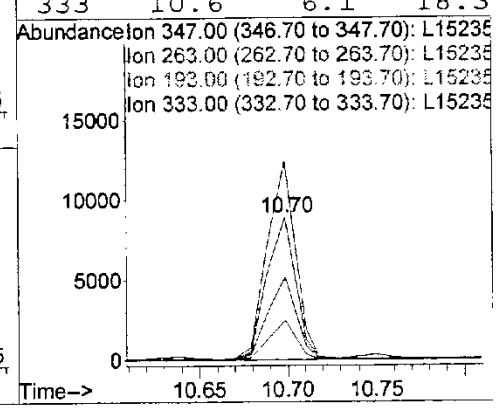




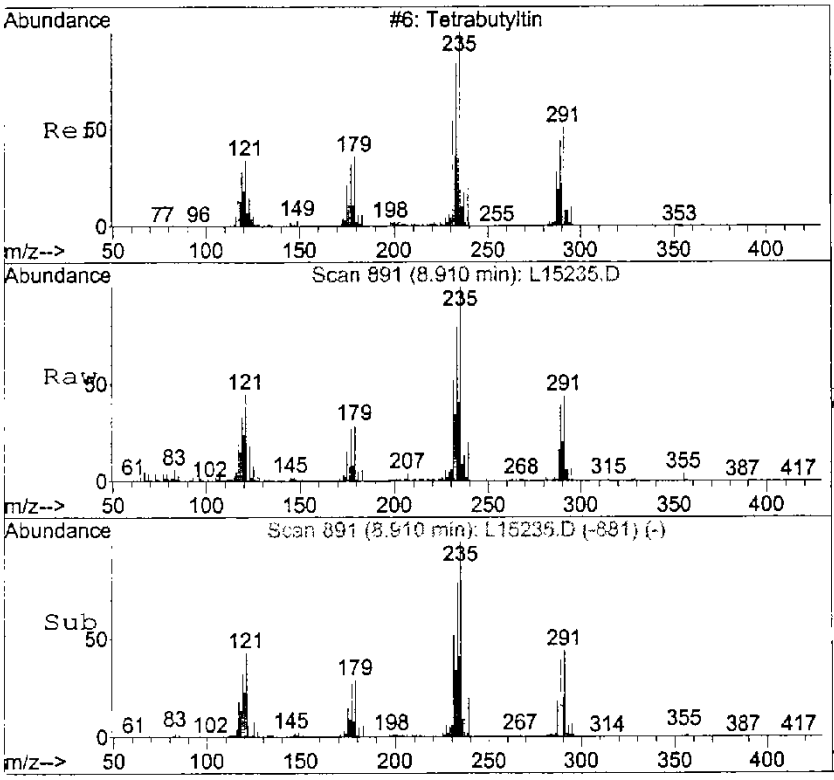
#2
Tripentyltin (S)
Concen: 7.89 PG/UL
RT: 10.70 min Scan# 1070
Delta R.T. -0.00 min
Lab File: L15235.D
Acq: 23 Feb 2005 13:19

Tgt Ion:347 Resp: 23174

Ion	Ratio	Lower	Upper
347	100		
263	58.3	22.8	91.2
193	23.6	12.0	36.0
333	10.6	6.1	18.3



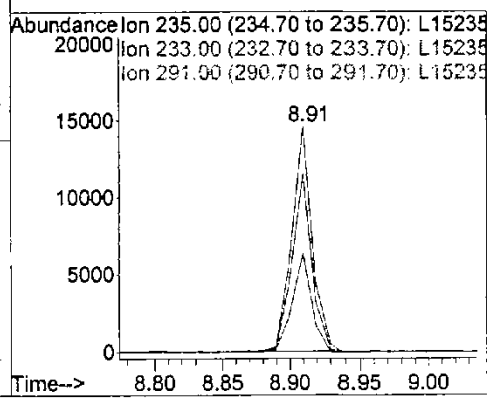
01133

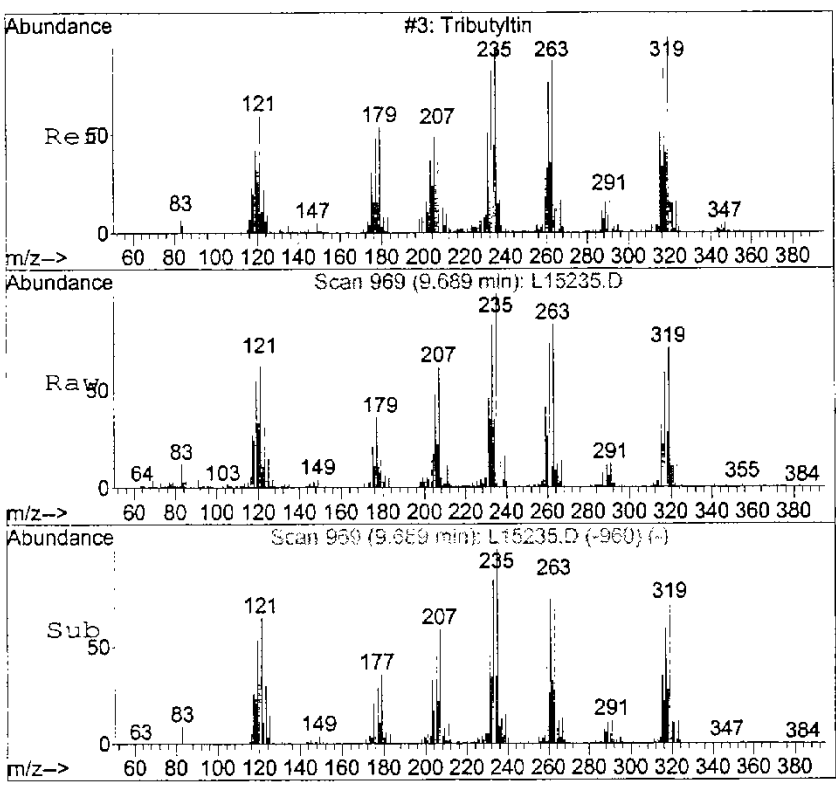


#3
Tetrabutyltin
Concen: 10.26 PG/UL
RT: 8.91 min Scan# 891
Delta R.T. 0.00 min
Lab File: L15235.D
Acq: 23 Feb 2005 13:19

Tgt Ion:235 Resp: 21232

Ion	Ratio	Lower	Upper
235	100		
233	54.8	37.5	69.7
291	28.7	21.5	39.9

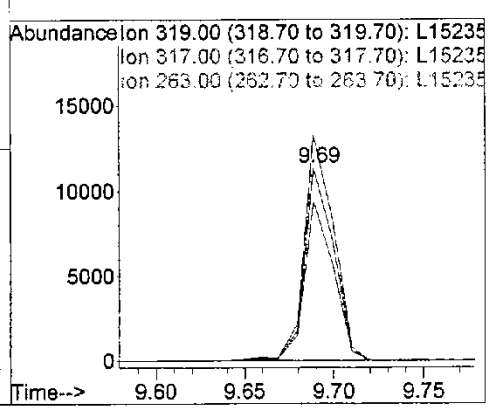




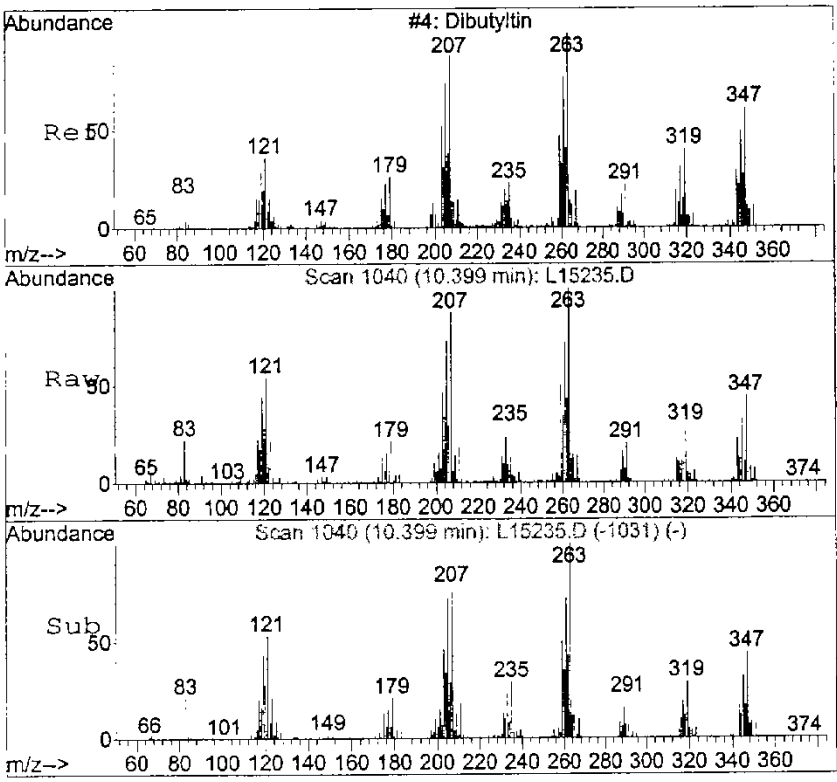
#4
Tributyltin
Concen: 6.05 PG/UL
RT: 9.69 min Scan# 969
Delta R.T. -0.01 min
Lab File: L15235.D
Acq: 23 Feb 2005 13:19

Tgt Ion:319 Resp: 22826

Ion	Ratio	Lower	Upper
319	100		
317	45.3	30.7	56.9
263	65.7	38.9	72.2



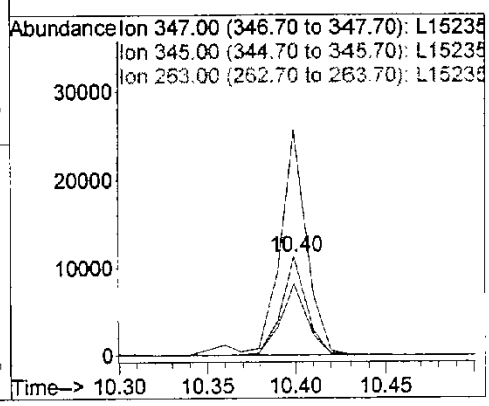
01134

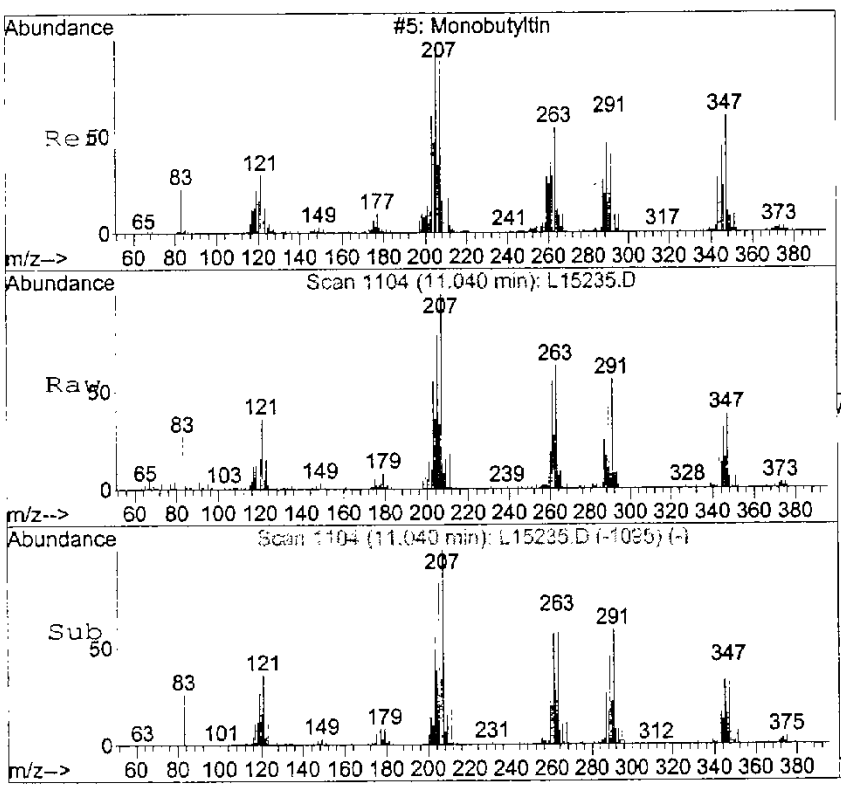


#5
Dibutyltin
Concen: 5.56 PG/UL
RT: 10.40 min Scan# 1040
Delta R.T. -0.01 min
Lab File: L15235.D
Acq: 23 Feb 2005 13:19

Tgt Ion:347 Resp: 38796

Ion	Ratio	Lower	Upper
347	100		
345	21.3	18.5	34.3
263	71.1	46.9	87.1

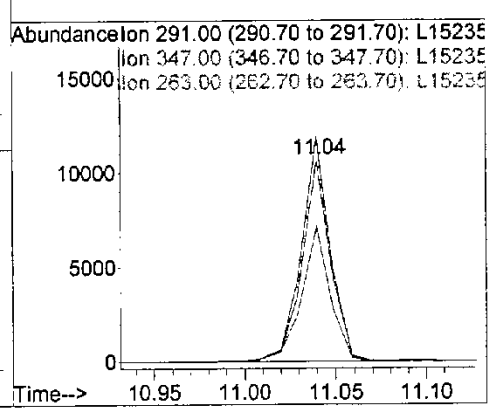




#6
Monobutyltin
Concen: 3.85 PG/UL
RT: 11.04 min Scan# 1104
Delta R.T. -0.01 min
Lab File: L15235.D
Acq: 23 Feb 2005 13:19

Tgt Ion:291 Resp: 19334

Ion	Ratio	Lower	Upper
291	100		
347	41.1	17.9	71.7
263	67.0	25.7	102.7



01135

Quantitation Report (Not Reviewed)

Data File : T:\DATA\02232005\L15236.D
Acq On : 23 Feb 2005 13:59
Sample : 5.0 PG/UL ORGTIN ICAL 979-37-3E
Misc :
MS Integration Params: rteint.p
Quant Time: Feb 24 13:25:56 2005

Vial: 0
Operator:
Inst :
Multiplr: 1.00

Quant Results File: ORGTIN02232005.RI

Quant Method : T:\METHODS\ORGTIN02232005.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Thu Feb 24 13:25:33 2005
Response via : Initial Calibration
DataAcq Meth :

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Phenanthrene D10 (I)	9.55	188	285602+	100.00	pg/ul	0.00
System Monitoring Compounds						
2) Tripentyltin (S)	10.69	347	11467+	4.08	PG/UL	0.00
Target Compounds						Qvalue
3) Tetrabutyltin	8.90	235	11085+	5.55	PG/UL	98
4) Tributyltin	9.69	319	12046+	3.49	PG/UL	87
5) Dibutyltin	10.39	347	19464+	2.94	PG/UL	94
6) Monobutyltin	11.03	291	9385+	1.98	PG/UL	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

01136

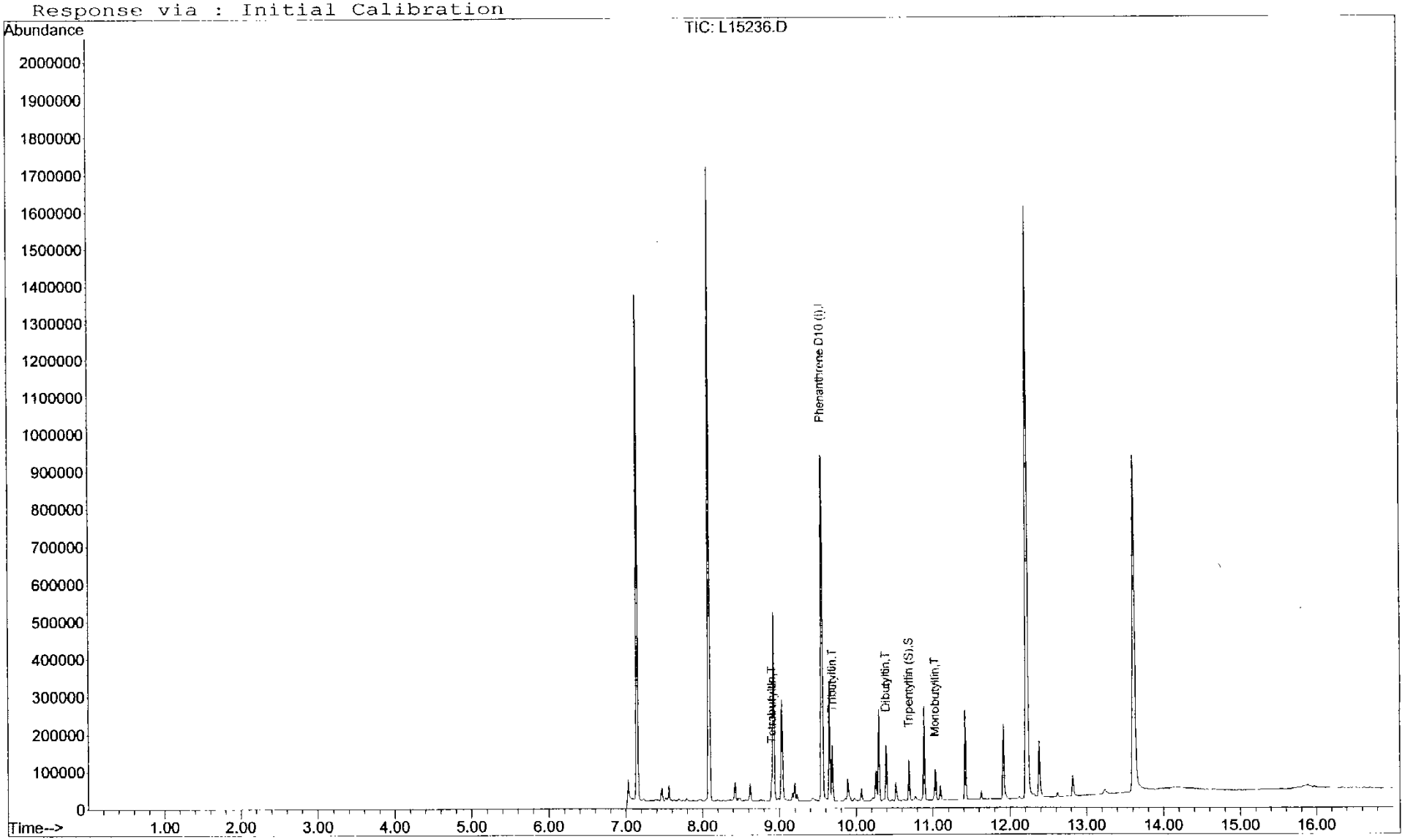
Quantitation Report (Not Reviewed)

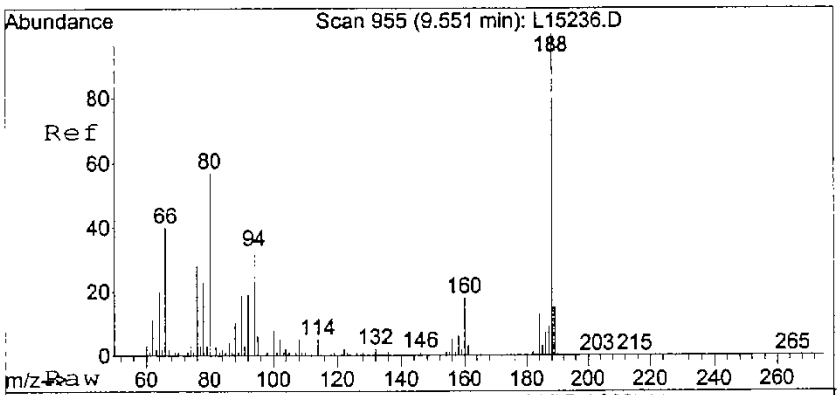
Data File : T:\DATA\02232005\L15236.D
Acq On : 23 Feb 2005 13:59
Sample : 5.0 PG/UL ORGTIN ICAL 979-37-3E
Misc :
MS Integration Params: rteint.p
Quant Time: Feb 24 13:25 2005

Vial: 0
Operator:
Inst :
Multiplr: 1.00

Quant Results File: ORGTIN02232005.RES

Method : T:\METHODS\ORGTIN02232005.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Thu Feb 24 13:26:24 2005
Response via : Initial Calibration

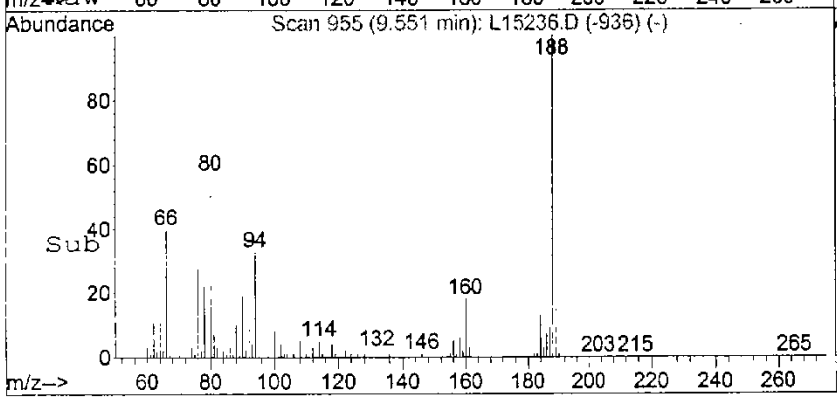


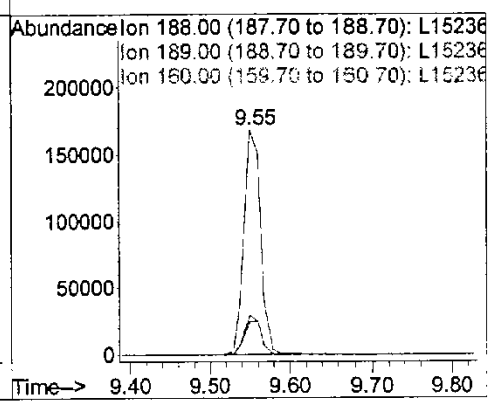


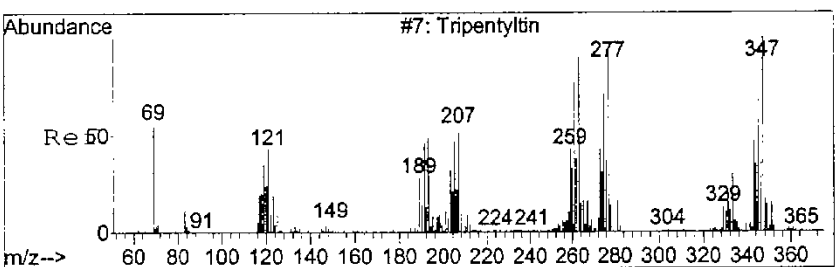
#1
Phenanthrene D10 (I)
Concen: 100.00 pg/ul
RT: 9.55 min Scan# 955
Delta R.T. -0.01 min
Lab File: L15236.D
Acq: 23 Feb 2005 13:59

Tgt Ion:188 Resp: 285602

Ion	Ratio	Lower	Upper
188	100		
189	13.1	7.6	17.8
160	14.6	8.2	19.2



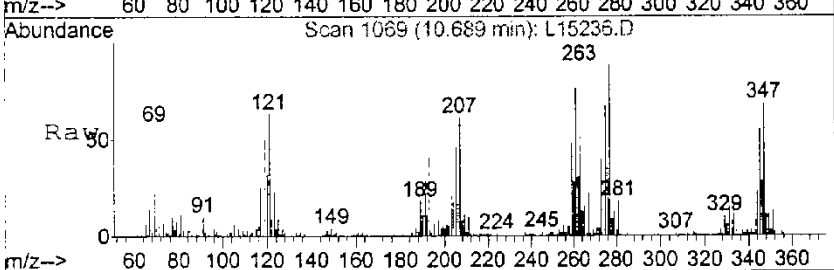


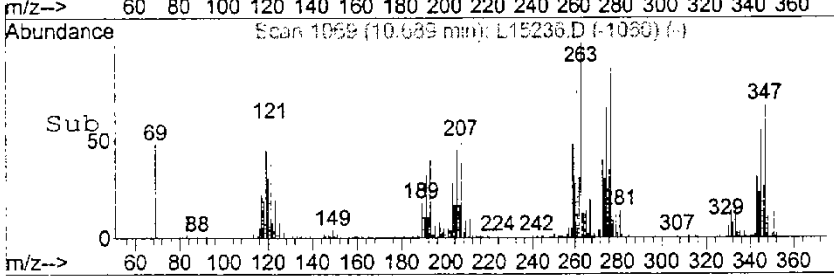


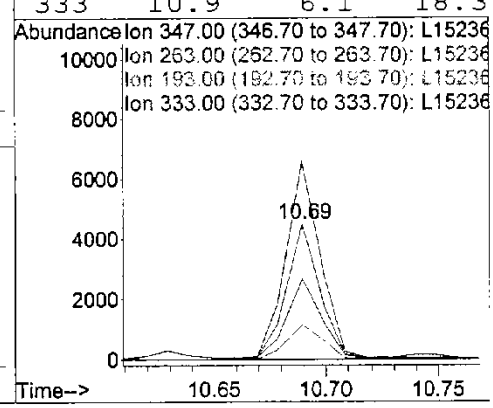
#2
Tripentyltin (S)
Concen: 4.08 PG/UL
RT: 10.69 min Scan# 1069
Delta R.T. -0.01 min
Lab File: L15236.D
Acq: 23 Feb 2005 13:59

Tgt Ion:347 Resp: 11467

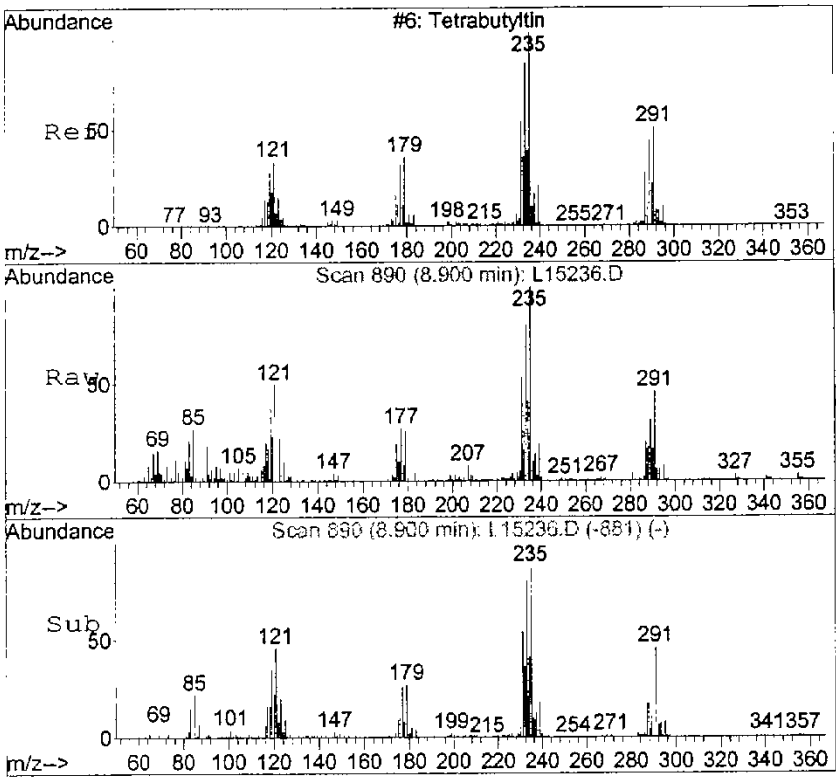
Ion	Ratio	Lower	Upper
347	100		
263	60.3	22.8	91.2
193	23.8	12.0	36.0
333	10.9	6.1	18.3







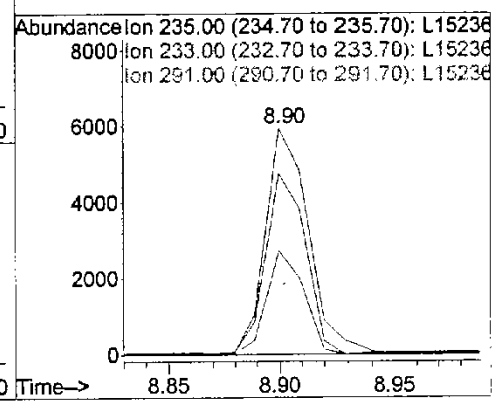
01138

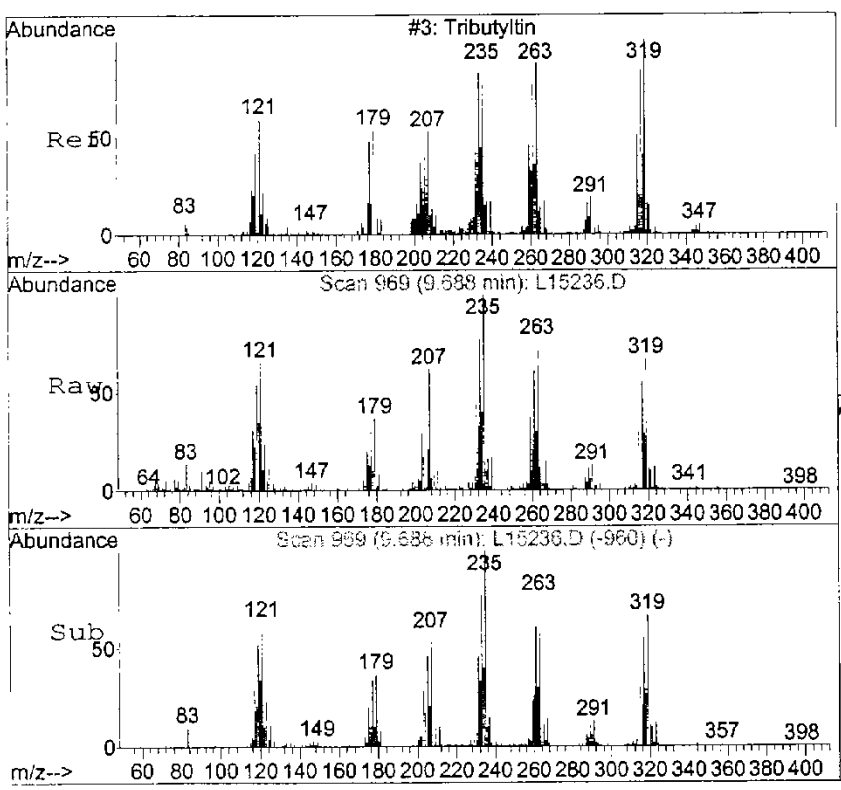


#3
Tetrabutyltin
Concen: 5.55 PG/UL
RT: 8.90 min Scan# 890
Delta R.T. -0.01 min
Lab File: L15236.D
Acq: 23 Feb 2005 13:59

Tgt Ion:235 Resp: 11085

Ion	Ratio	Lower	Upper
235	100		
233	53.8	37.5	69.7
291	28.7	21.5	39.9

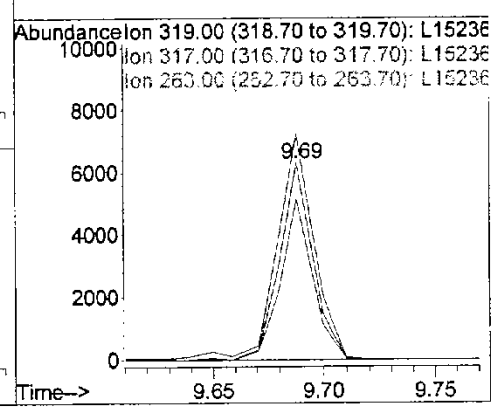




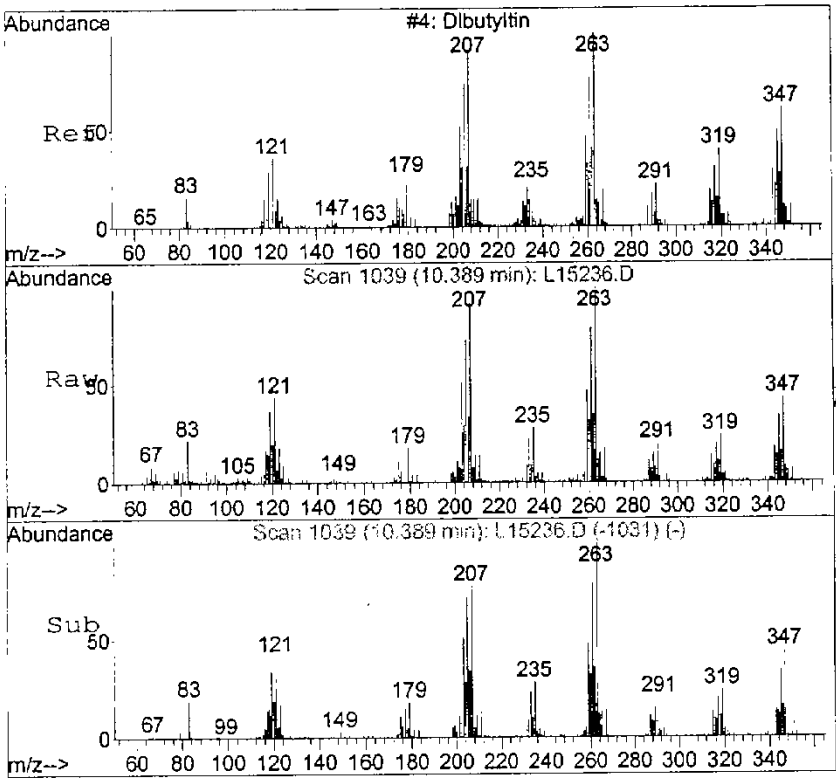
#4
Tributyltin
Concen: 3.49 PG/UL
RT: 9.69 min Scan# 969
Delta R.T. -0.01 min
Lab File: L15236.D
Acq: 23 Feb 2005 13:59

Tgt Ion:319 Resp: 12046

Ion	Ratio	Lower	Upper
319	100		
317	44.2	30.7	56.9
263	71.4	38.9	72.2



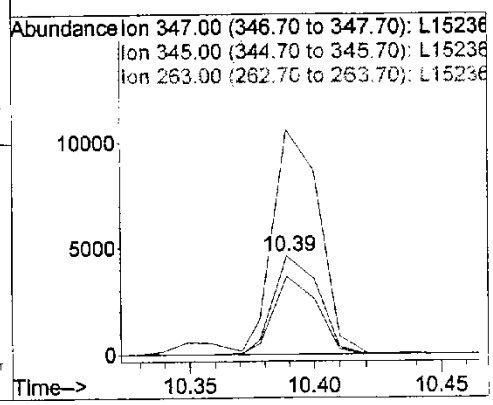
01139

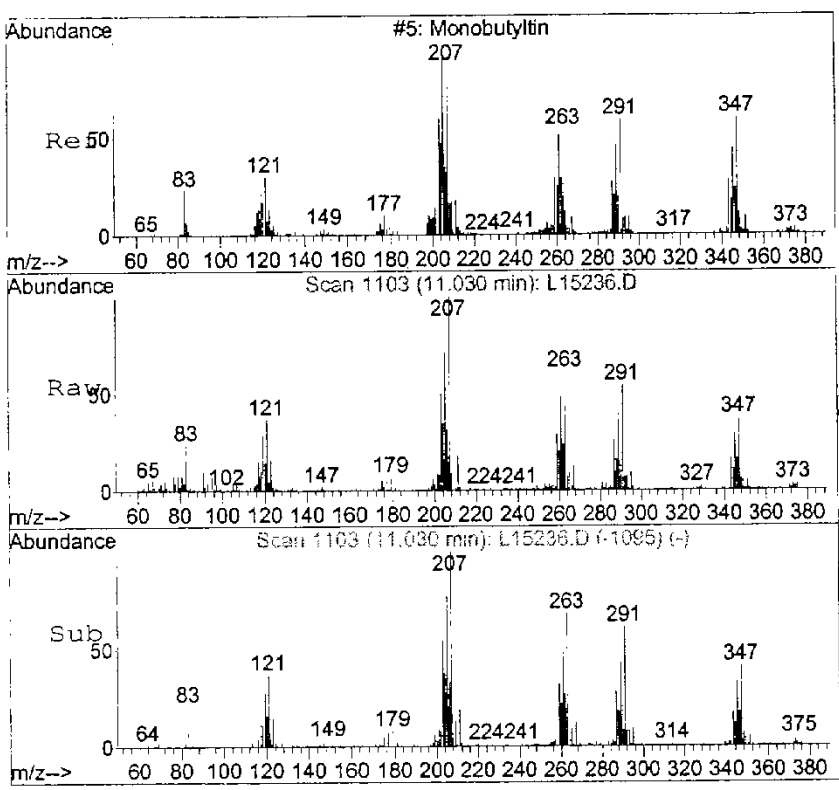


#5
Dibutyltin
Concen: 2.94 PG/UL
RT: 10.39 min Scan# 1039
Delta R.T. -0.02 min
Lab File: L15236.D
Acq: 23 Feb 2005 13:59

Tgt Ion:347 Resp: 19464

Ion	Ratio	Lower	Upper
347	100		
345	21.8	18.5	34.3
263	71.2	46.9	87.1

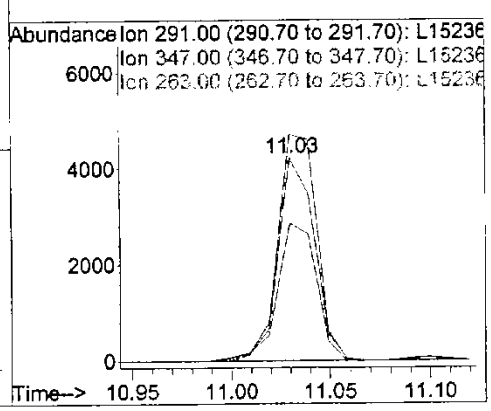




#6
Monobutyltin
Concen: 1.98 PG/UL
RT: 11.03 min Scan# 1103
Delta R.T. -0.02 min
Lab File: L15236.D
Acq: 23 Feb 2005 13:59

Tgt Ion:291 Resp: 9385

Ion	Ratio	Lower	Upper
291	100		
347	42.0	17.9	71.7
263	69.3	25.7	102.7



01140

Quantitation Report (Not Reviewed)

Data File : T:\DATA\02232005\L15237.D
Acq On : 23 Feb 2005 14:23
Sample : 1.0 PG/UL ORGTIN ICAL 979-37-3F
Misc :
MS Integration Params: rteint.p
Quant Time: Feb 24 13:26:14 2005

Vial: 0
Operator:
Inst :
Multiplr: 1.00
Quant Results File: ORGTIN02232005.RI

Quant Method : T:\METHODS\ORGTIN02232005.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Thu Feb 24 13:26:05 2005
Response via : Initial Calibration
DataAcq Meth :

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Phenanthrene D10 (I)	9.55	188	274247+	100.00	pg/ul	-0.01
System Monitoring Compounds						
2) Tripentyltin (S)	10.69	347	2431+	0.90	PG/UL	0.00
Target Compounds						Qvalue
3) Tetrabutyltin	8.90	235	2672+	1.36	PG/UL	92
4) Tributyltin	9.69	319	2025+	0.62	PG/UL	83
5) Dibutyltin	10.39	347	4121+	0.65	PG/UL	93
6) Monobutyltin	11.03	291	1897+	0.42	PG/UL	89

(#) = qualifier out of range (m) = manual integration (+) = signals summed

01141

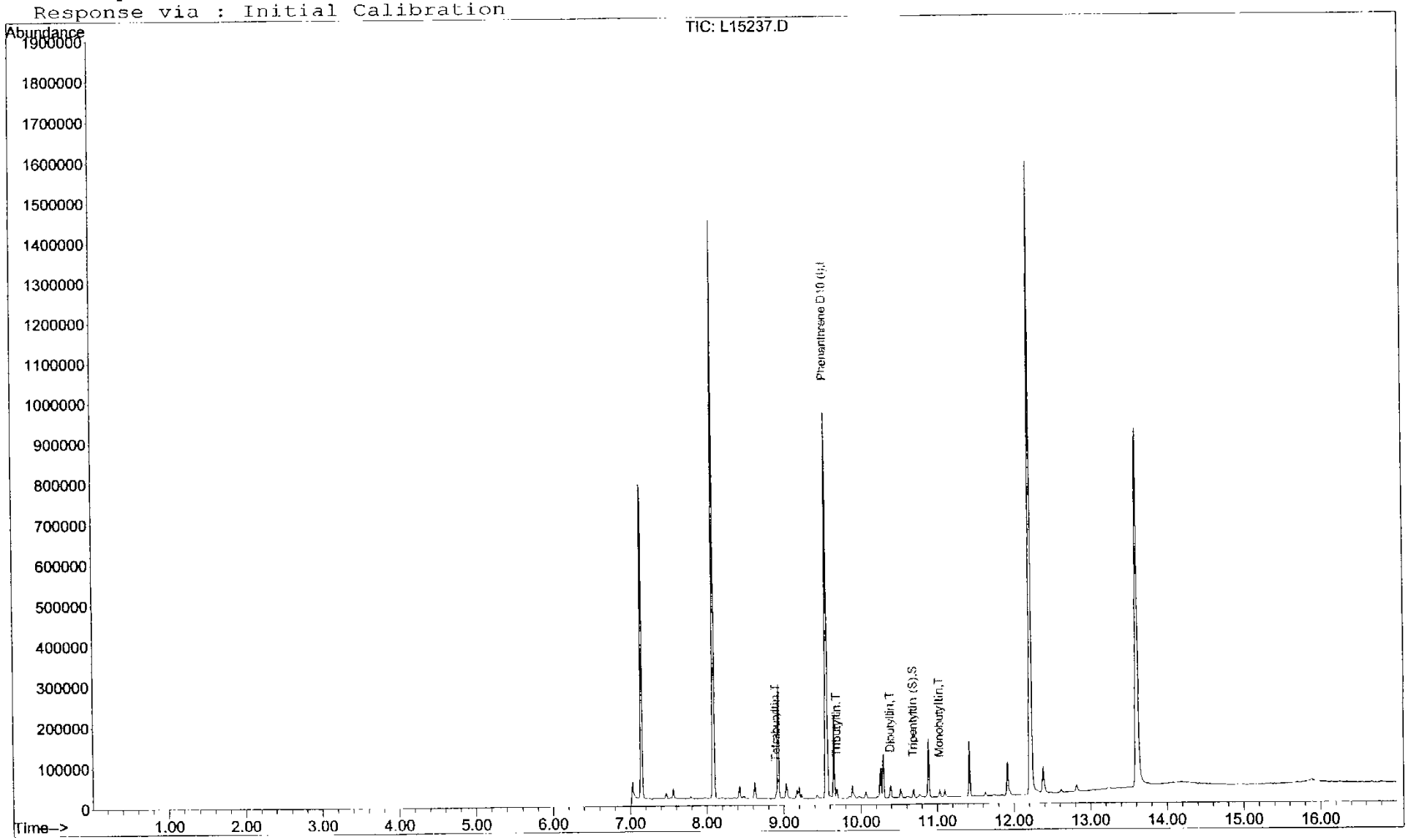
Quantitation Report (Not Reviewed)

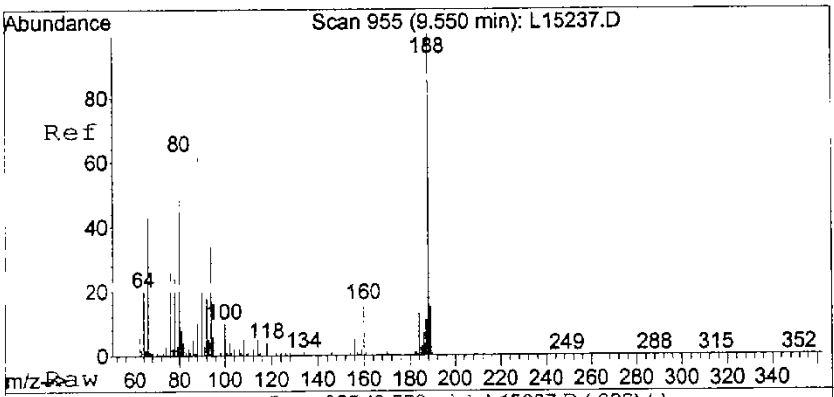
Data File : T:\DATA\02232005\L15237.D
Acq On : 23 Feb 2005 14:23
Sample : 1.0 PG/UL ORGTIN ICAL 979-37-3F
Misc :
MS Integration Params: rteint.p
Quant Time: Feb 24 13:26 2005

Vial: 0
Operator:
Inst :
Multiplr: 1.00

Quant Results File: ORGTIN02232005.RES

Method : T:\METHODS\ORGTIN02232005.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Thu Feb 24 13:26:24 2005
Response via : Initial Calibration

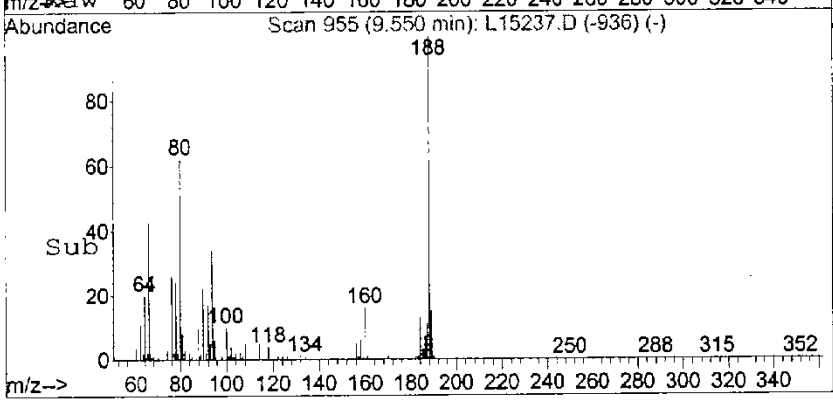


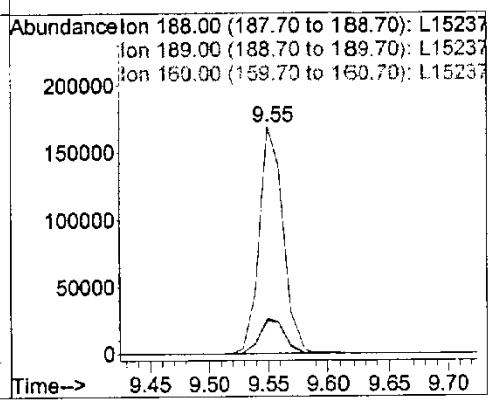


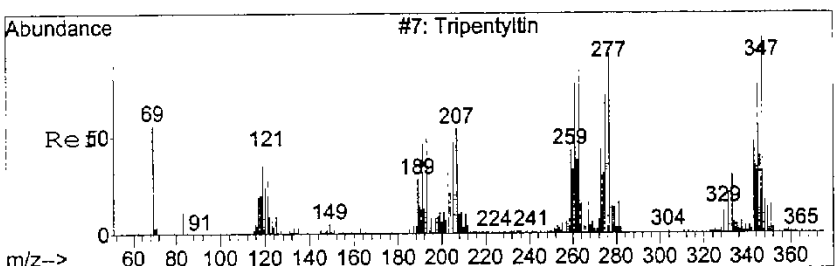
#1
Phenanthrene D10 (I)
Concen: 100.00 pg/ul
RT: 9.55 min Scan# 955
Delta R.T. -0.01 min
Lab File: L15237.D
Acq: 23 Feb 2005 14:23

Tgt Ion:188 Resp: 274247

Ion	Ratio	Lower	Upper
188	100		
189	13.5	7.6	17.8
160	14.5	8.2	19.2



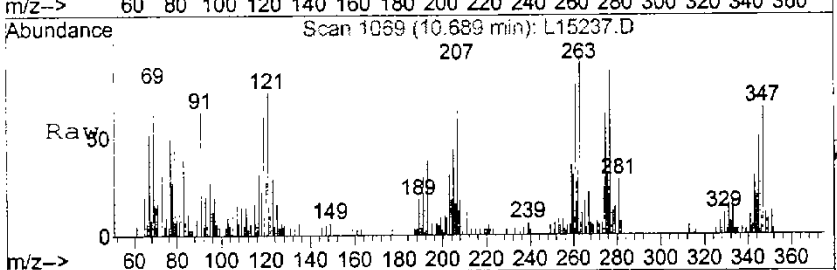


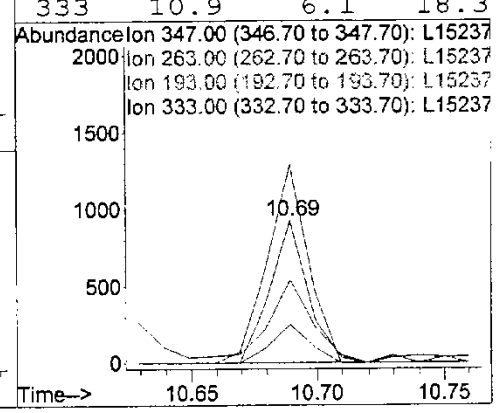


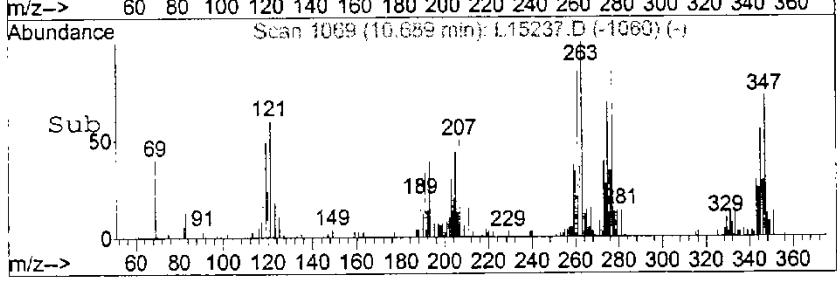
#2
Tripentyltin (S)
Concen: 0.90 PG/UL
RT: 10.69 min Scan# 1069
Delta R.T. -0.01 min
Lab File: L15237.D
Acq: 23 Feb 2005 14:23

Tgt Ion:347 Resp: 2431

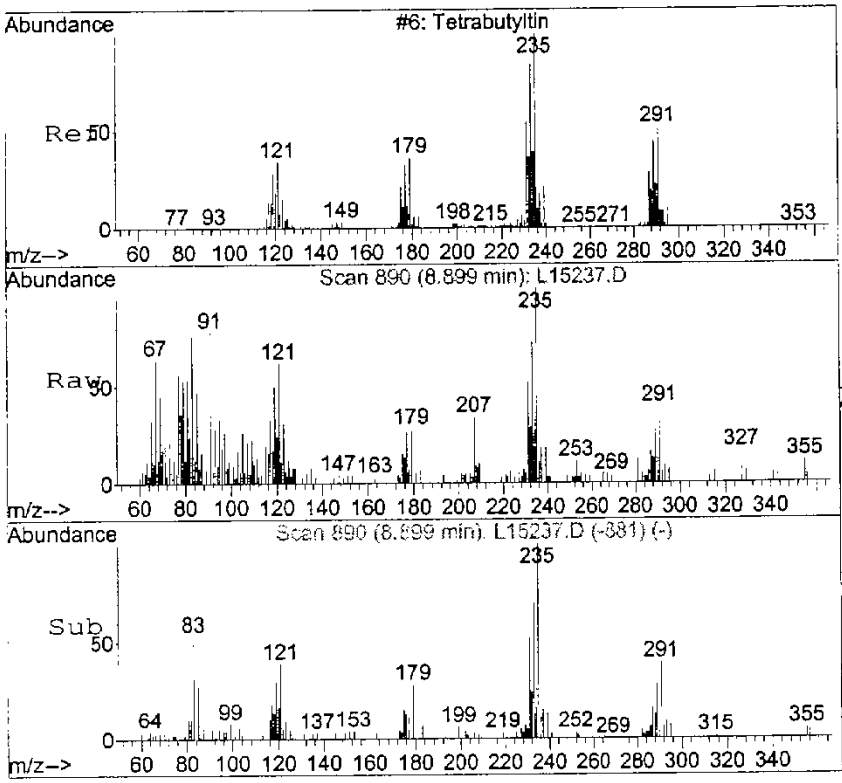
Ion	Ratio	Lower	Upper
347	100		
263	59.9	22.8	91.2
193	27.3	12.0	36.0
333	10.9	6.1	18.3







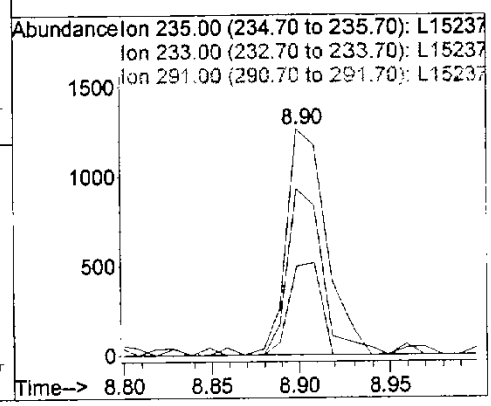
01143

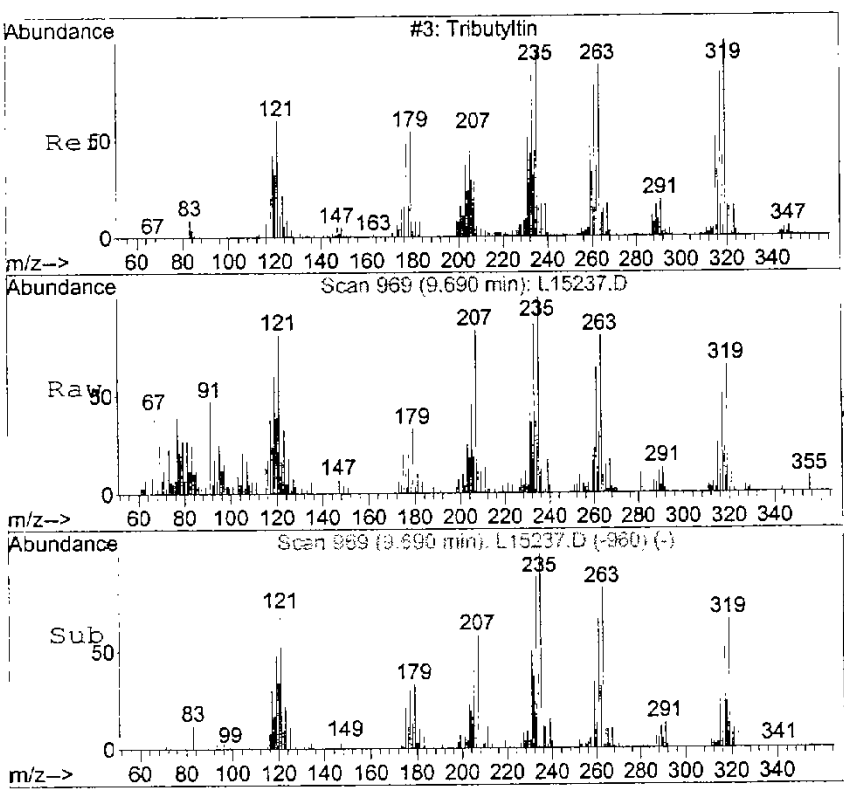


#3
Tetrabutyltin
Concen: 1.36 PG/UL
RT: 8.90 min Scan# 890
Delta R.T. -0.01 min
Lab File: L15237.D
Acq: 23 Feb 2005 14:23

Tgt Ion:235 Resp: 2672

Ion	Ratio	Lower	Upper
235	100		
233	48.6	37.5	69.7
291	24.9	21.5	39.9

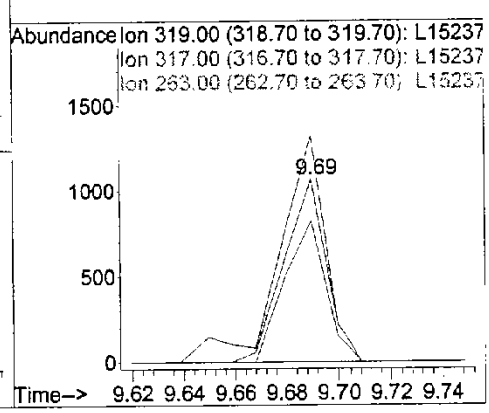




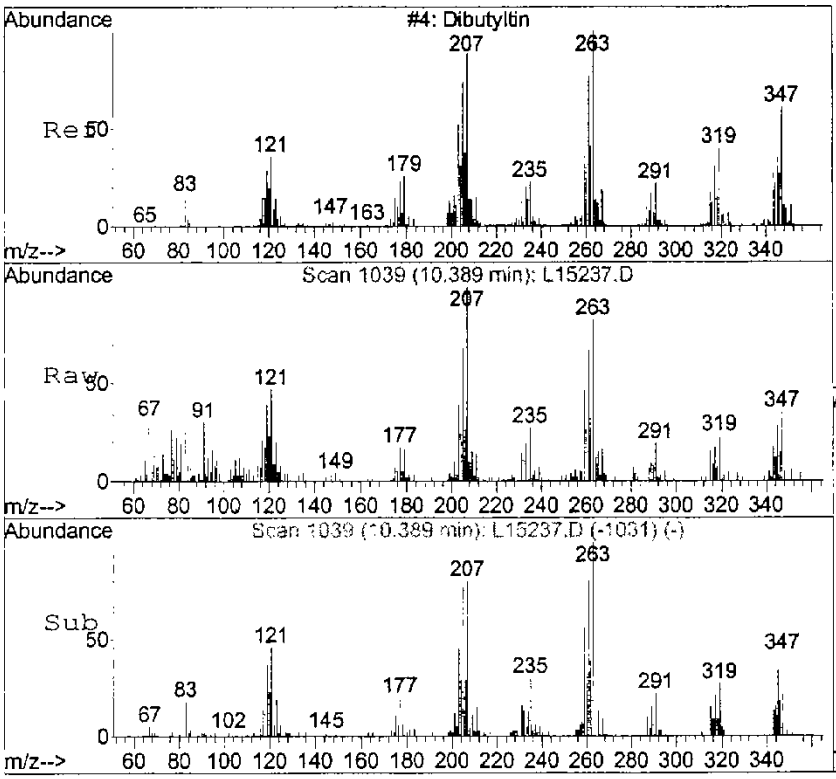
#4
Tributyltin
Concen: 0.62 PG/UL
RT: 9.69 min Scan# 969
Delta R.T. -0.01 min
Lab File: L15237.D
Acq: 23 Feb 2005 14:23

Tgt Ion:319 Resp: 2025

Ion	Ratio	Lower	Upper
319	100		
317	43.3	30.7	56.9
263	77.0	38.9	72.2#



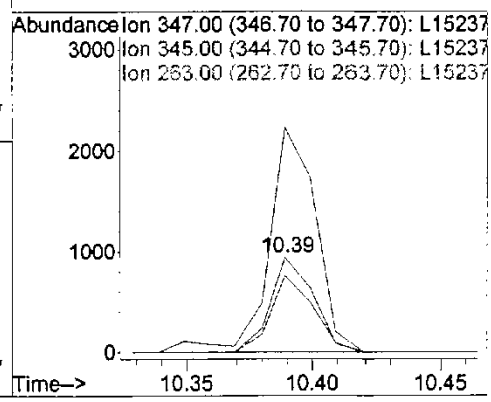
01144

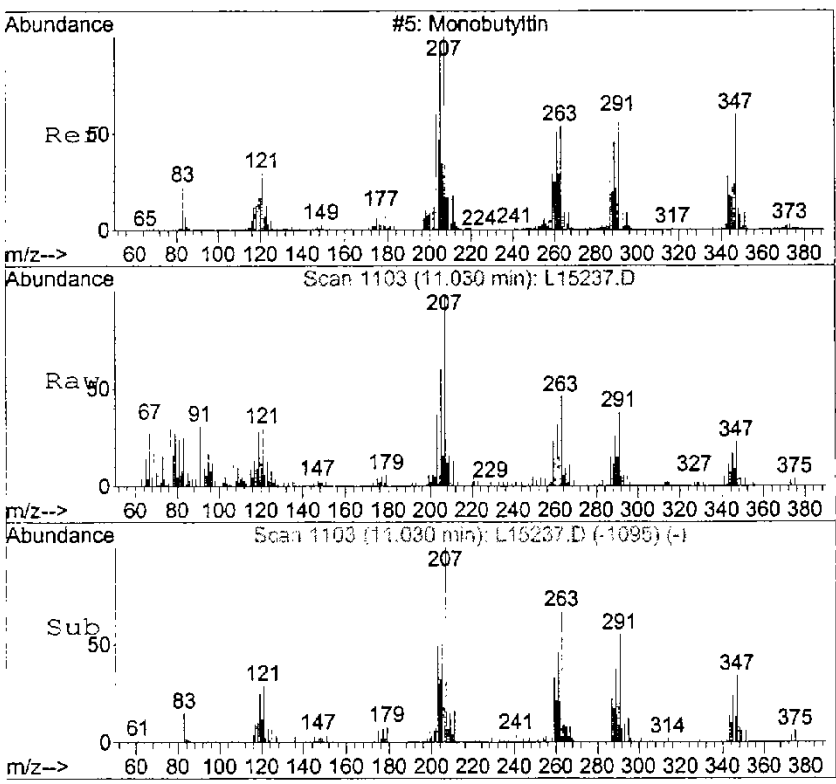


#5
Dibutyltin
Concen: 0.65 PG/UL
RT: 10.39 min Scan# 1039
Delta R.T. -0.02 min
Lab File: L15237.D
Acq: 23 Feb 2005 14:23

Tgt Ion:347 Resp: 4121

Ion	Ratio	Lower	Upper
347	100		
345	22.4	18.5	34.3
263	72.1	46.9	87.1

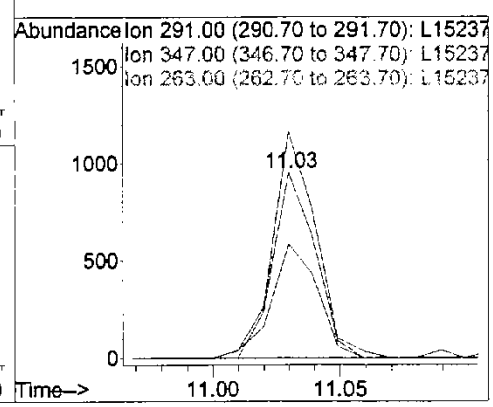




#6
Monobutyltin
Concen: 0.42 PG/UL
RT: 11.03 min Scan# 1103
Delta R.T. -0.02 min
Lab File: L15237.D
Acq: 23 Feb 2005 14:23

Tgt Ion:291 Resp: 1897

Ion	Ratio	Lower	Upper
291	100		
347	40.2	17.9	71.7
263	74.4	25.7	102.7



01145

CONTINUING CALIBRATION

Sequence Log

Directory : t:\Data\02232005

#	Filename	Sample Name	Date/Time
1	l15231.d	2.5 NG/UL DFTPP	02/23/05 11:43
2	l15232.d	200 PG/UL ORGTIN ICAL 979-37-3A	02/23/05 12:07
3	l15233.d	100 PG/UL ORGTIN ICAL 979-37-3B	02/23/05 12:31
4	l15234.d	50 PG/UL ORGTIN ICAL 979-37-3C	02/23/05 12:55
5	l15235.d	10 PG/UL ORGTIN ICAL 979-37-3D	02/23/05 13:19
6	l15236.d	5.0 PG/UL ORGTIN ICAL 979-37-3E	02/23/05 13:59
7	l15237.d	1.0 PG/UL ORGTIN ICAL 979-37-3F	02/23/05 14:23
8	l15238.d	2.5 NG/UL DFTPP	02/23/05 14:47
9	l15239.d	100 PG/UL ORGTIN ICAL 979-37-6OCS	02/23/05 15:11
10	l15240.d	STN0125 MB #15.0000 &20 SOIL ORGTIN	02/23/05 15:59
11	l15241.d	STN0125 BS #15.0000 &20 SOIL ORGTIN	02/23/05 16:23
12	l15242.d	STN0125 BSD #15.0000 &20 SOIL ORGTIN	02/23/05 16:47
13	l15243.d	126377-1 MS &20 SOIL ORGTIN	02/23/05 17:11
14	l15244.d	126377-1 MSD &20 SOIL ORGTIN	02/23/05 17:38
15	l15245.d	126377-1 &20 SOIL ORGTIN	02/23/05 18:26
16	l15246.d	126377-2 &20 SOIL ORGTIN	02/23/05 18:50
17	l15247.d	126377-3 &20 SOIL ORGTIN	02/23/05 19:14
18	l15248.d	126377-4 &20 SOIL ORGTIN	02/23/05 19:38
19	l15249.d	126377-5 &20 SOIL ORGTIN	02/23/05 20:02
20	l15250.d	126377-6 &20 SOIL ORGTIN	02/23/05 20:26
21	l15251.d	126377-7 &20 SOIL ORGTIN	02/23/05 20:51
22	l15252.d	126377-8 &20 SOIL ORGTIN	02/23/05 21:15
23	l15253.d	WTN0210 MB #1000 &2 WATER ORGTIN	02/23/05 21:38
24	l15254.d	WTN0210 BS #1000 &2 WATER ORGTIN	02/23/05 22:02
25	l15255.d	WTN0210 BSD #1000 &2 WATER ORGTIN	02/23/05 22:26
26	l15256.d	126377-9 &2 WATER ORGTIN	02/23/05 23:14
27	l15257.d	126377-10 &2 WATER ORGTIN	02/23/05 23:38
28	l15258.d	126377-11 &2 WATER ORGTIN	02/24/05 00:02
29	l15259.d	126377-12 &2 WATER ORGTIN	02/24/05 00:26
30	l15260.d	126377-13 &2 WATER ORGTIN	02/24/05 00:49
31	l15261.d	126377-15 &2 WATER ORGTIN	02/24/05 01:13
32	l15262.d	126377-16 &2 WATER ORGTIN	02/24/05 01:37

Evaluate Continuing Calibration Report

Data File : T:\DATA\02232005\L15239.D
Acq On : 23 Feb 2005 15:11
Sample : 100 PG/UL ORGTIN ICAL 979-37-6OCS
Misc :
MS Integration Params: rteint.p

Vial: 0
Operator:
Inst :
Multiplr: 1.00

Method : T:\METHODS\ORGTIN02232005.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Thu Feb 24 13:26:24 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Phenanthrene D10 (I)	1.000	1.000	0.0	92	0.00
2	S	Tripentyltin (S)	1.010	1.065	-5.4	91	0.00
3	T	Tetrabutyltin	0.758	0.793	-4.6	101	0.00
4	T	Tributyltin	1.166	1.268	-8.7	86	0.00
5	T	Dibutyltin	2.373	2.386	-0.5	86	-0.01
6	T	Monobutyltin	1.660	1.759	-6.0	95	0.00

Quantitation Report (Not Reviewed)

Data File : T:\DATA\02232005\L15239.D
Acq On : 23 Feb 2005 15:11
Sample : 100 PG/UL ORGTIN ICAL 979-37-6OCS
Misc :
MS Integration Params: rteint.p
Quant Time: Feb 24 13:28:48 2005

Vial: 0
Operator:
Inst :
Multiplr: 1.00

Quant Results File: ORGTIN02232005.RI

Quant Method : T:\METHODS\ORGTIN02232005.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Thu Feb 24 13:26:24 2005
Response via : Initial Calibration
DataAcq Meth :

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Phenanthrene D10 (I)	9.56	188	272526+	100.00	pg/ul	0.00
System Monitoring Compounds						
2) Tripentyltin (S)	10.70	347	230794+	83.86	PG/UL	0.00
Target Compounds						Qvalue
3) Tetrabutyltin	8.91	235	216068+	104.64	PG/UL	97
4) Tributyltin	9.70	319	253389+	79.72	PG/UL	95
5) Dibutyltin	10.40	347	375173+	58.01	PG/UL	93
6) Monobutyltin	11.04	291	195134+	43.13	PG/UL	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

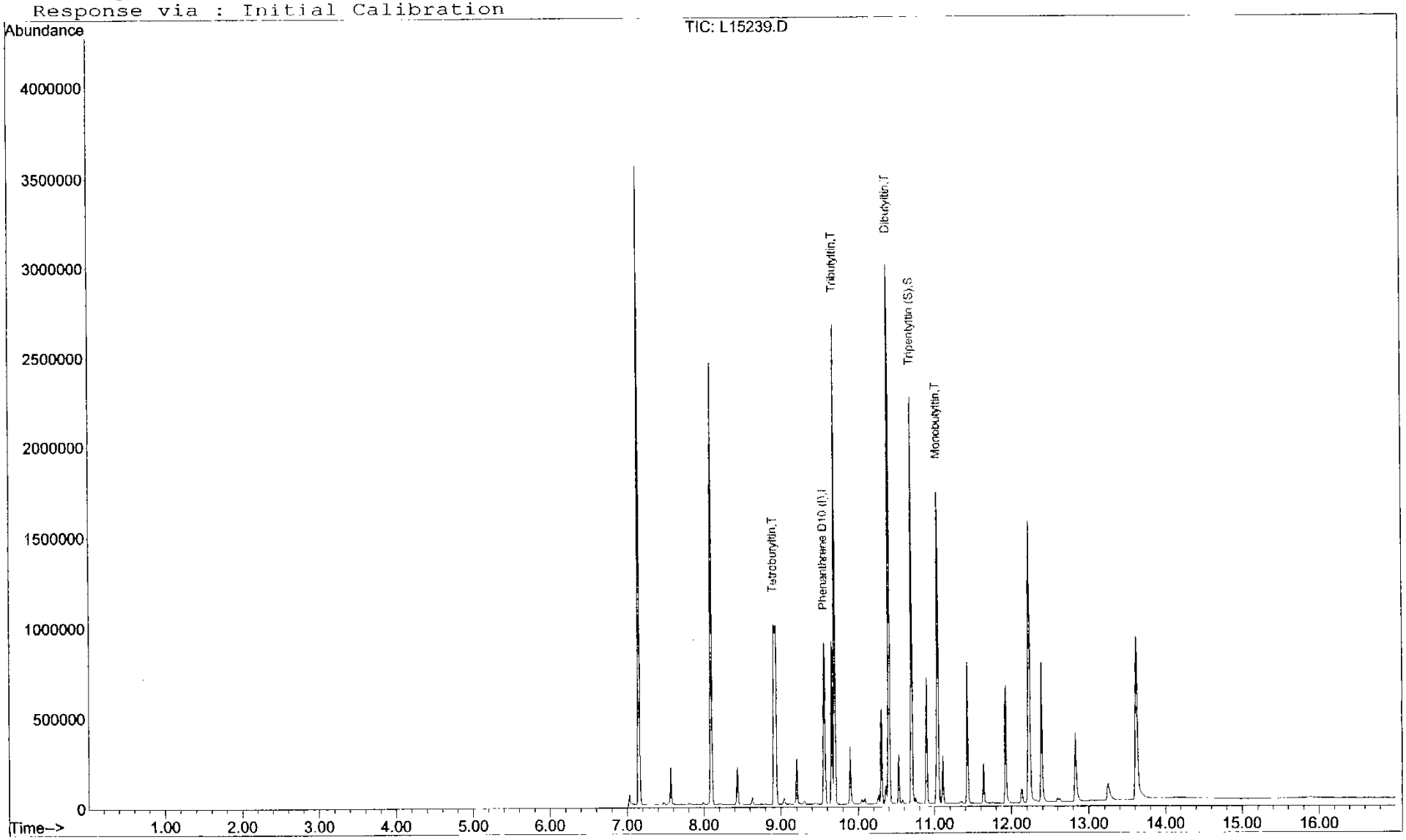
Quantitation Report (Not Reviewed)

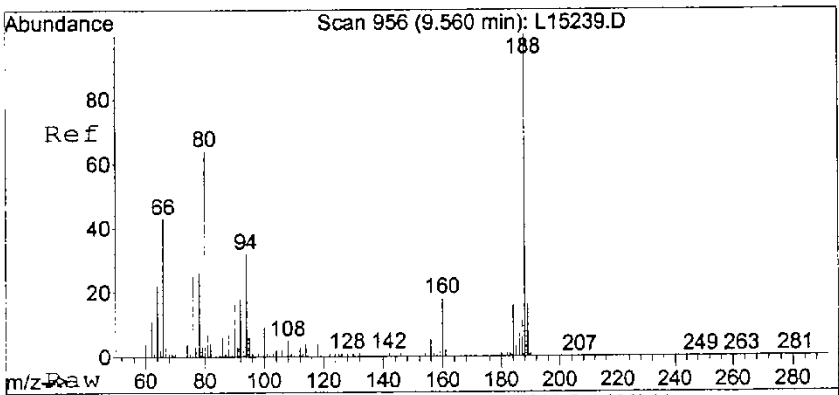
Data File : T:\DATA\02232005\L15239.D
Acq On : 23 Feb 2005 15:11
Sample : 100 PG/UL ORGTIN ICAL 979-37-6OCS
Misc :
MS Integration Params: rteint.p
Quant Time: Feb 24 13:28 2005

Vial: 0
Operator:
Inst :
Multiplr: 1.00

Quant Results File: ORGTIN02232005.RES

Method : T:\METHODS\ORGTIN02232005.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Thu Feb 24 13:26:24 2005
Response via : Initial Calibration

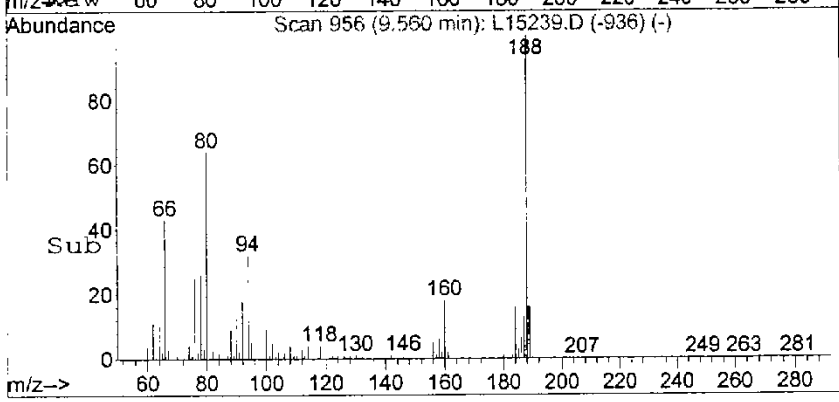


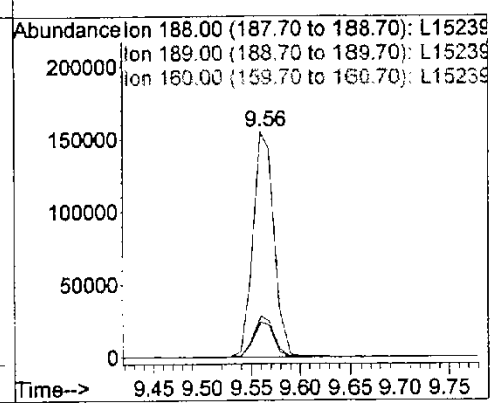


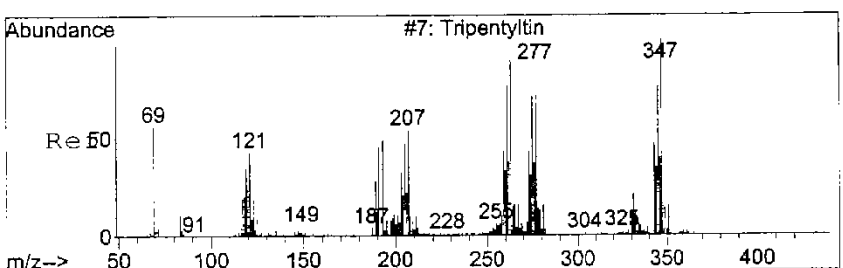
#1
Phenanthrene D10 (I)
Concen: 100.00 pg/ul
RT: 9.56 min Scan# 956
Delta R.T. -0.00 min
Lab File: L15239.D
Acq: 23 Feb 2005 15:11

Tgt Ion:188 Resp: 272526

Ion	Ratio	Lower	Upper
188	100		
189	13.1	7.6	17.8
160	15.4	8.2	19.2



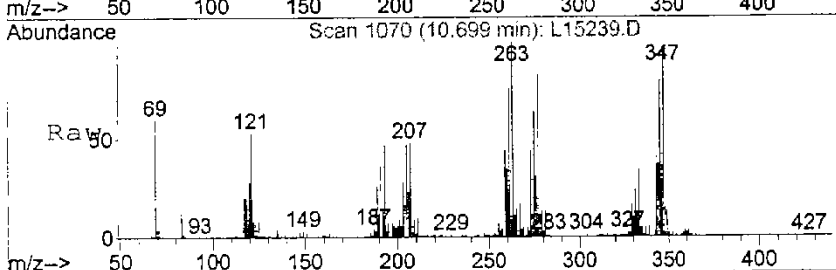


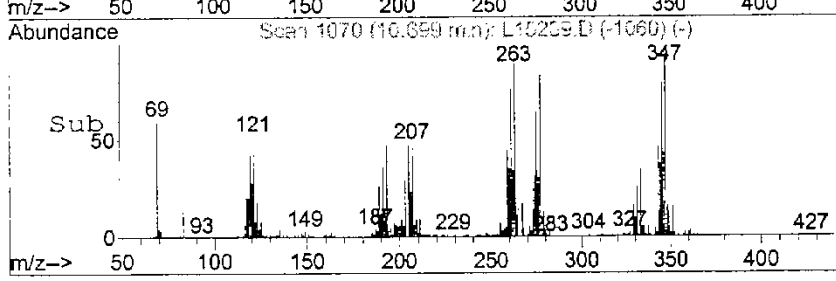


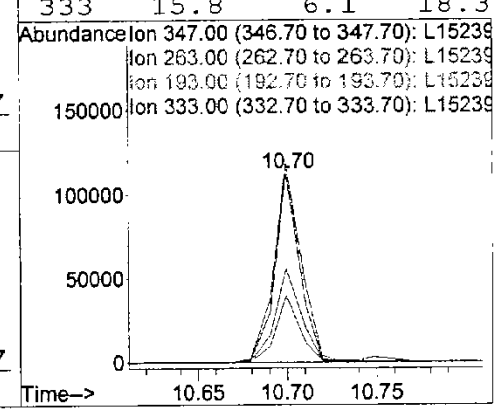
#2
Tripentyltin (S)
Concen: 83.86 PG/UL
RT: 10.70 min Scan# 1070
Delta R.T. 0.00 min
Lab File: L15239.D
Acq: 23 Feb 2005 15:11

Tgt Ion:347 Resp: 230794

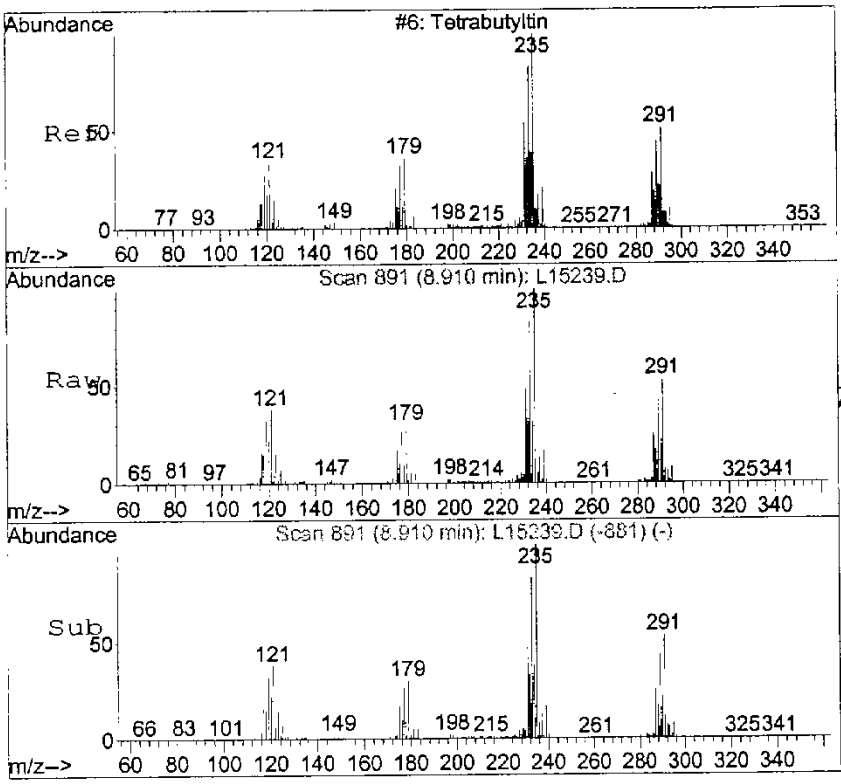
Ion	Ratio	Lower	Upper
347	100		
263	53.2	22.8	91.2
193	24.4	12.0	36.0
333	15.8	6.1	18.3







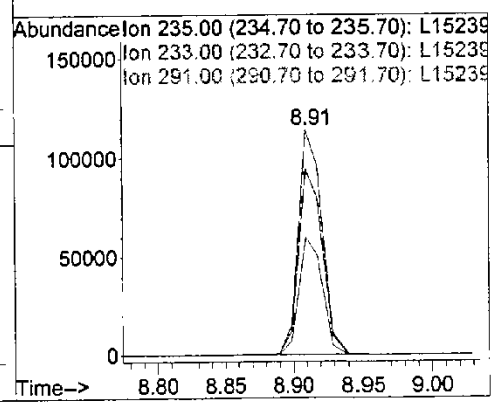
01151

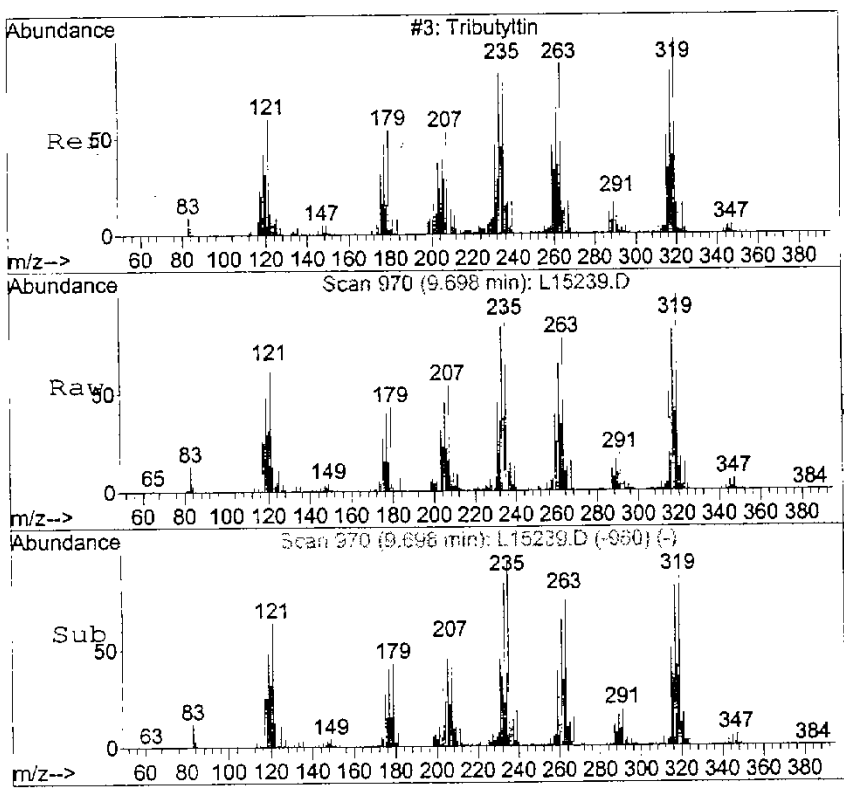


#3
Tetrabutyltin
Concen: 104.64 PG/UL
RT: 8.91 min Scan# 891
Delta R.T. 0.00 min
Lab File: L15239.D
Acq: 23 Feb 2005 15:11

Tgt Ion:235 Resp: 216068

Ion	Ratio	Lower	Upper
235	100		
233	54.6	37.5	69.7
291	33.8	21.5	39.9

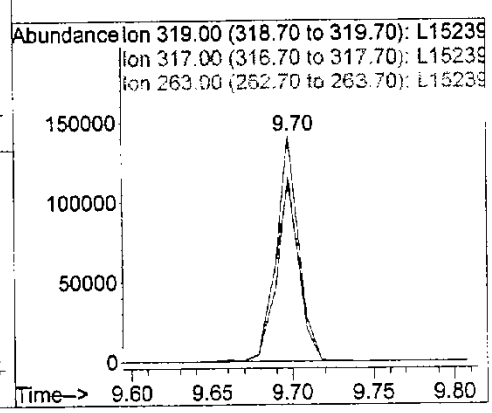




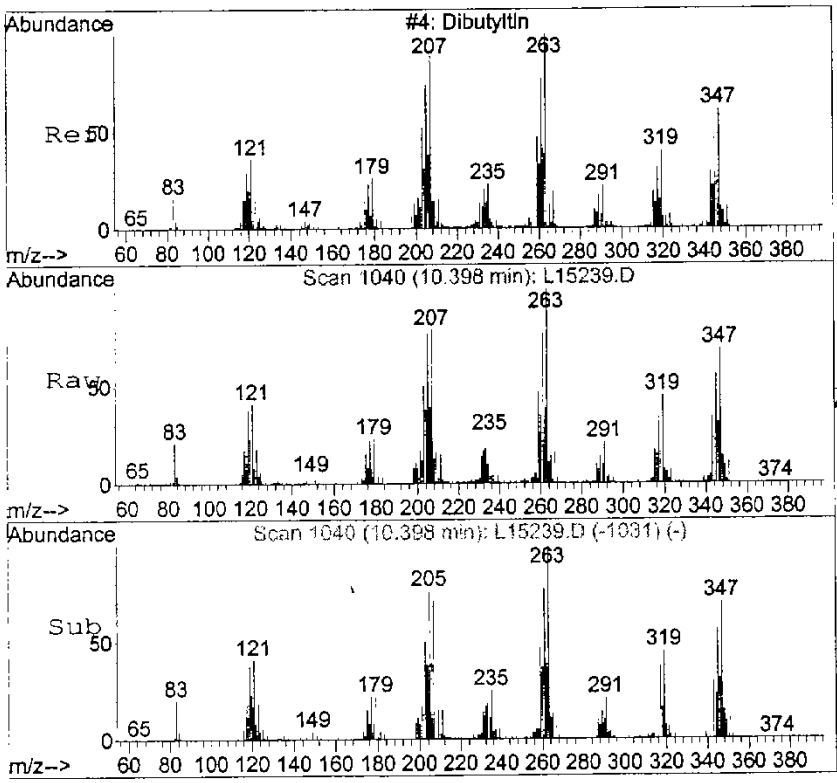
#4
Tributyltin
Concen: 79.72 PG/UL
RT: 9.70 min Scan# 970
Delta R.T. -0.00 min
Lab File: L15239.D
Acq: 23 Feb 2005 15:11

Tgt Ion:319 Resp: 253389

Ion	Ratio	Lower	Upper
319	100		
317	44.4	30.7	56.9
263	49.0	38.9	72.2



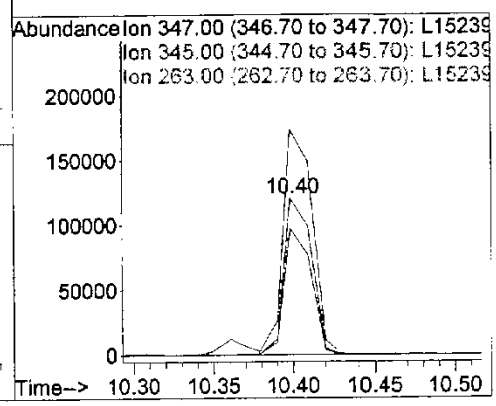
01152

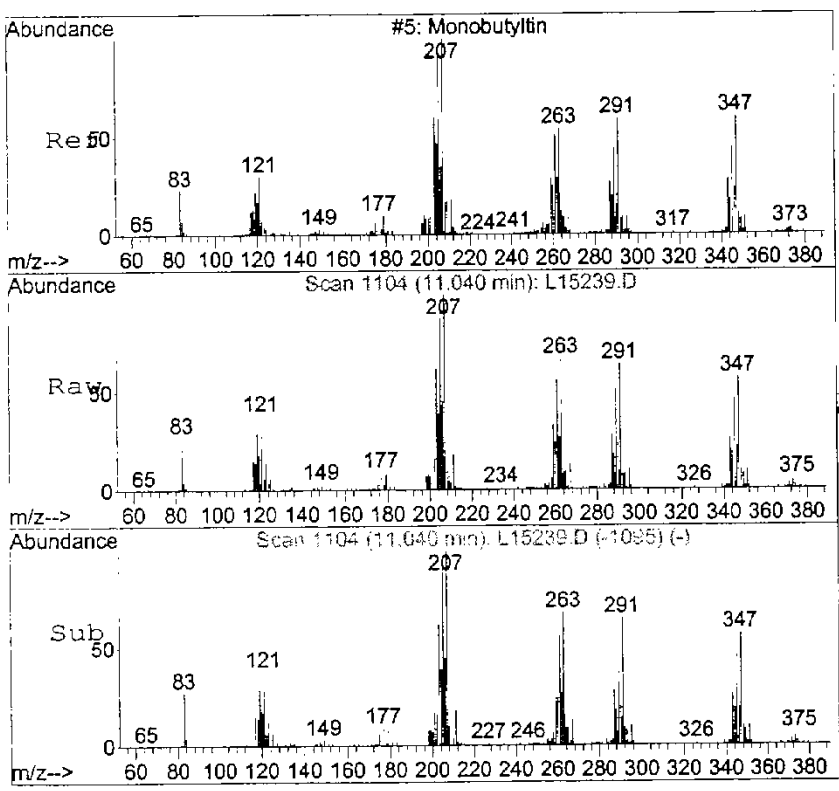


#5
Dibutyltin
Concen: 58.01 PG/UL
RT: 10.40 min Scan# 1040
Delta R.T. -0.01 min
Lab File: L15239.D
Acq: 23 Feb 2005 15:11

Tgt Ion:347 Resp: 375173

Ion	Ratio	Lower	Upper
347	100		
345	30.0	18.5	34.3
263	61.2	46.9	87.1

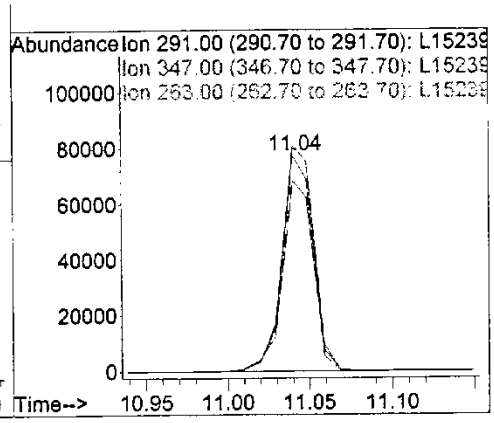




#6
Monobutyltin
Concen: 43.13 PG/UL
RT: 11.04 min Scan# 1104
Delta R.T. -0.01 min
Lab File: L15239.D
Acq: 23 Feb 2005 15:11

Tgt Ion:291 Resp: 195134

Ion	Ratio	Lower	Upper
291	100		
347	47.0	17.9	71.7
263	57.8	25.7	102.7



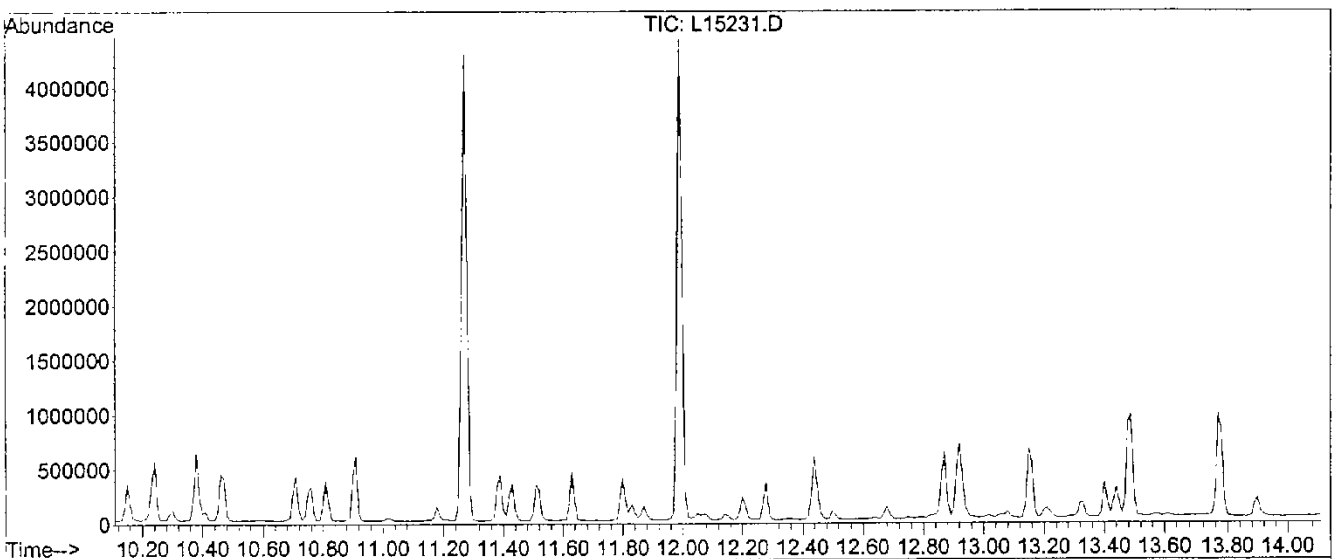
01153

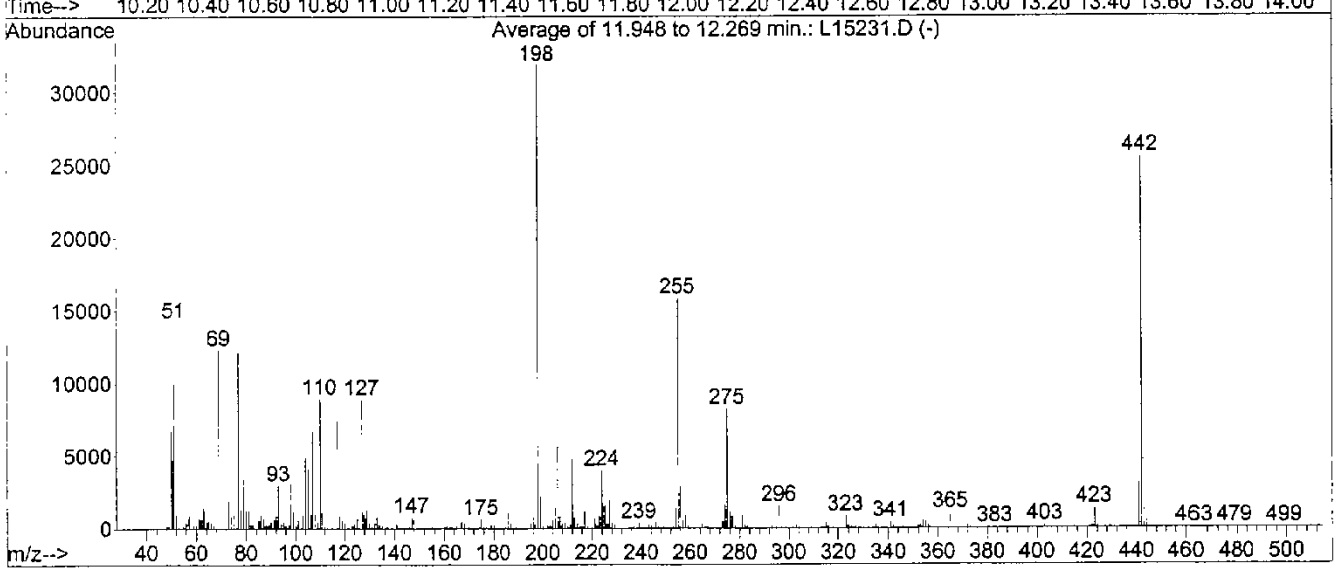
DFTPP TUNING

DFTPP

Data File : T:\DATA\02232005\L15231.D
Acq On : 23 Feb 2005 11:43
Sample : 2.5 NG/UL DFTPP
Misc :
MS Integration Params: rteint.p
Method : T:\METHODS\8151_022105M.M (RTE Integrator)
Title : 8151A herb

Vial: 0
Operator:
Inst :
Multiplr: 1.00





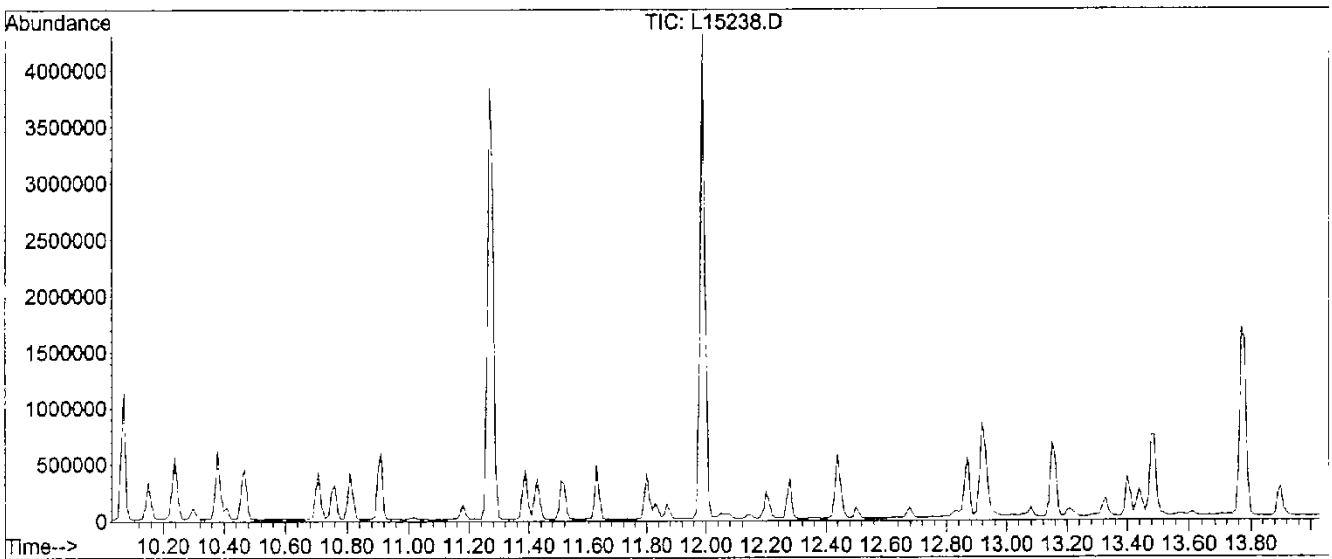
Spectrum Information: Average of 11.948 to 12.269 min.

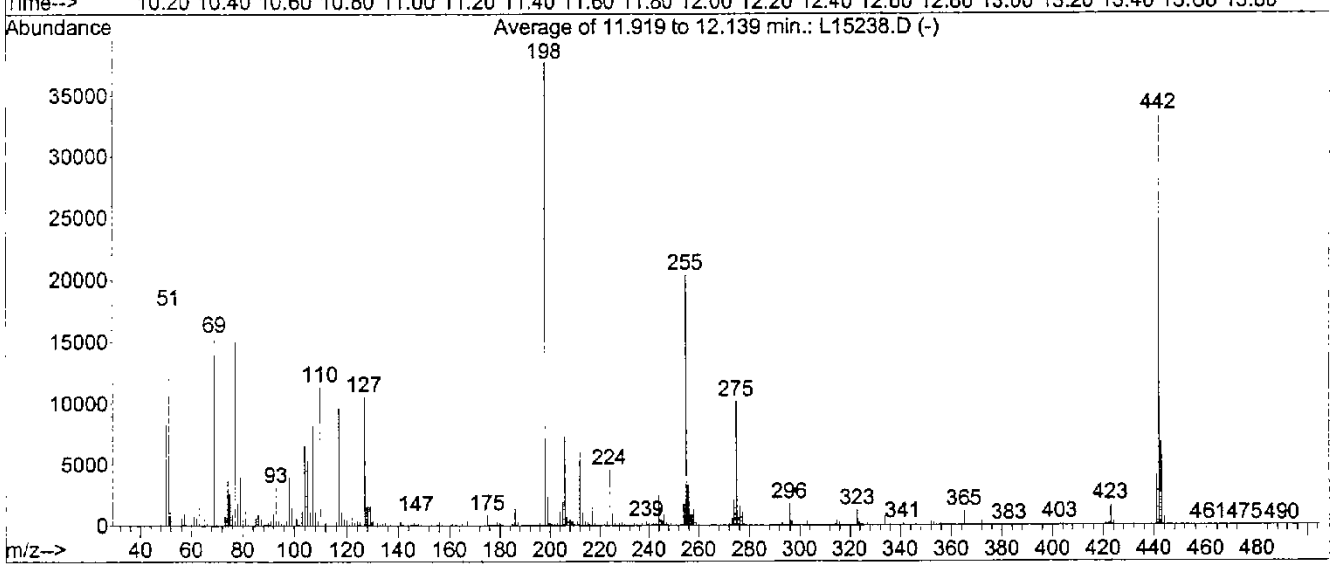
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	44.5	14209	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	38.5	12303	PASS
70	69	0.00	2	0.9	115	PASS
127	198	10	80	27.8	8869	PASS
197	198	0.00	1	0.8	258	PASS
198	198	100	100	100.0	31944	PASS
199	198	5	9	7.0	2233	PASS
275	198	10	60	25.7	8218	PASS
365	198	1	100	3.2	1033	PASS
441	443	0.01	100	62.8	3068	PASS
442	198	50	100	79.9	25509	PASS
443	442	15	24	19.1	4882	PASS

DFTPP

Data File : T:\DATA\02232005\L15238.D
Acq On : 23 Feb 2005 14:47
Sample : 2.5 NG/UL DFTPP
Misc :
MS Integration Params: rteint.p
Method : T:\METHODS\ORGTIN02232005.M (RTE Integrator)
Title : ORGANOTIN

Vial: 0
Operator:
Inst :
Multiplr: 1.00





Spectrum Information: Average of 11.919 to 12.139 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	46.6	17586	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	40.8	15407	PASS
70	69	0.00	2	0.9	134	PASS
127	198	10	80	28.0	10553	PASS
197	198	0.00	1	0.1	20	PASS
198	198	50	100	100.0	37724	PASS
199	198	5	9	6.4	2427	PASS
275	198	10	60	27.0	10170	PASS
365	198	1	100	3.2	1198	PASS
441	443	0.01	100	59.5	4068	PASS
442	198	50	100	88.4	33336	PASS
443	442	15	24	20.5	6834	PASS

METHOD BLANK

Quantification Report (Not Reviewed)

Data File : T:\DATA\02232005\L15240.D Vial: 0
Acq On : 23 Feb 2005 15:59 Operator:
Sample : STN0125 MB #15.0000 &20 SOIL ORGTIN Inst :
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 24 13:30:54 2005 Quant Results File: ORGTIN02232005.RI

Quant Method : T:\METHODS\ORGTIN02232005.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Thu Feb 24 13:30:28 2005
Response via : Initial Calibration
DataAcq Meth :

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Phenanthrene D10 (I)	9.57	188	238995+	100.00	pg/ul	0.01
System Monitoring Compounds						
2) Tripentyltin (S)	10.70	347	163036+	67.55	PG/UL	0.00

Target Compounds Qvalue

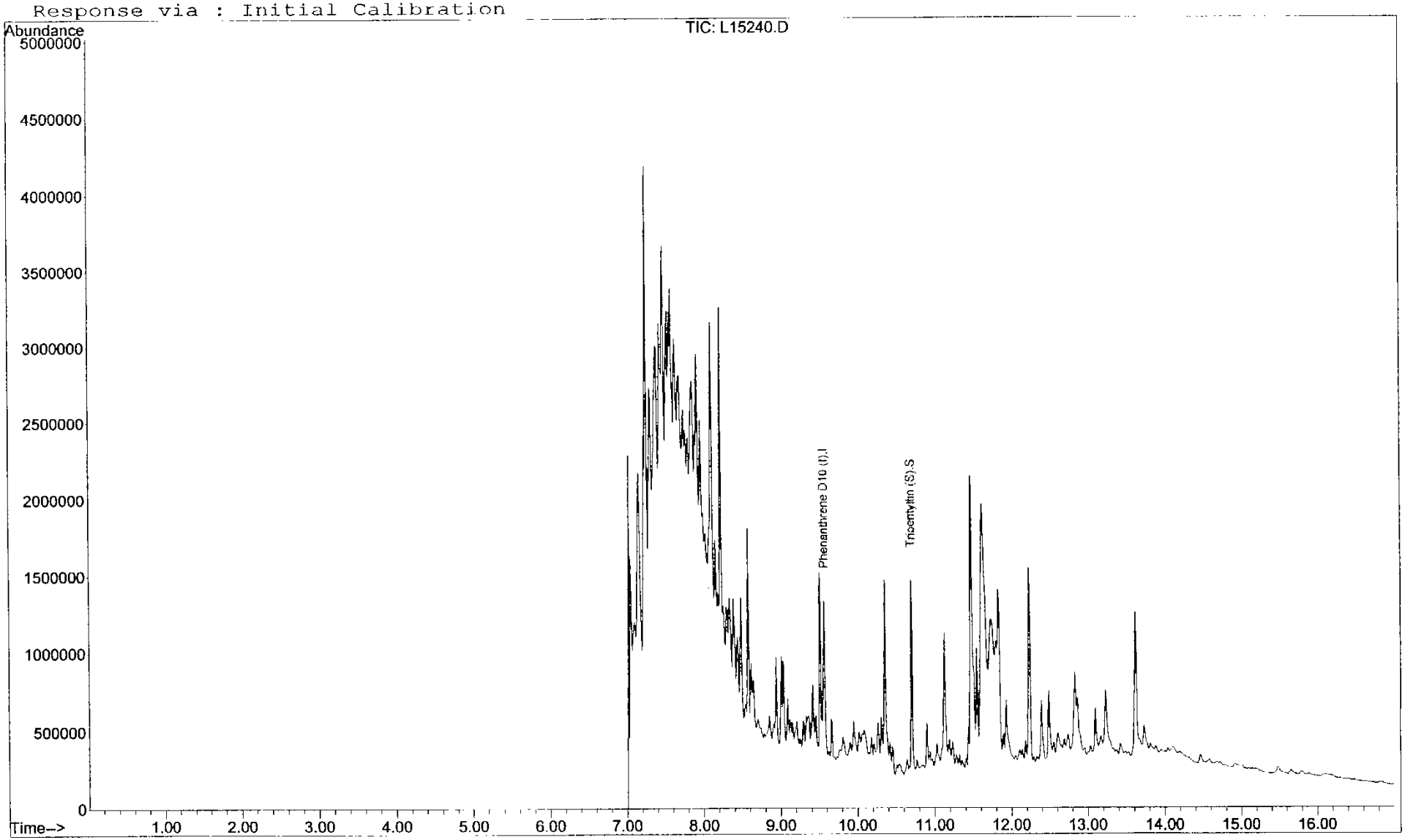
(#) = qualifier out of range (m) = manual integration (+) = signals summed

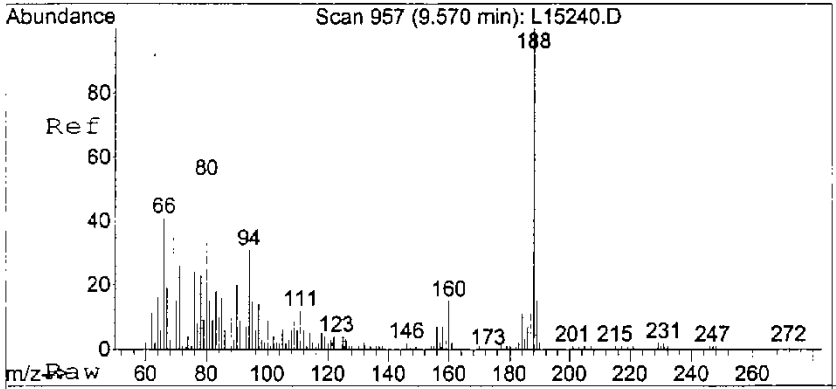
01158

Quantitation Report (Not Reviewed)

Data File : T:\DATA\02232005\L15240.D Vial: 0
Acq On : 23 Feb 2005 15:59 Operator:
Sample : STN0125 MB #15.0000 &20 SOIL ORGTIN Inst :
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 24 13:30 2005 Quant Results File: ORGTIN02232005.RES

Method : T:\METHODS\ORGTIN02232005.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Thu Feb 24 13:30:28 2005
Response via : Initial Calibration

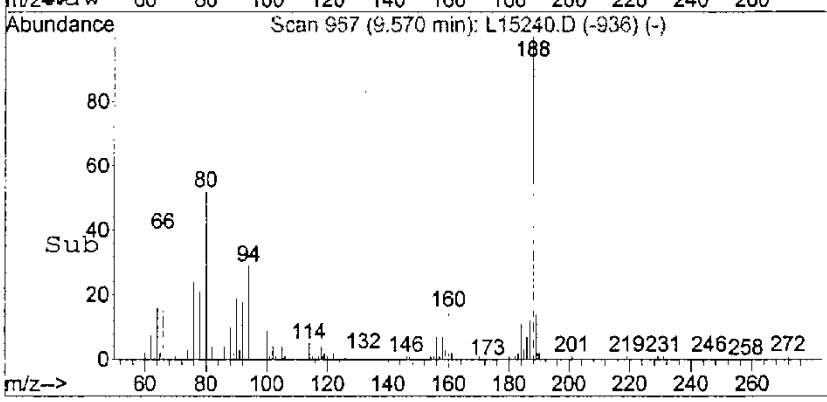


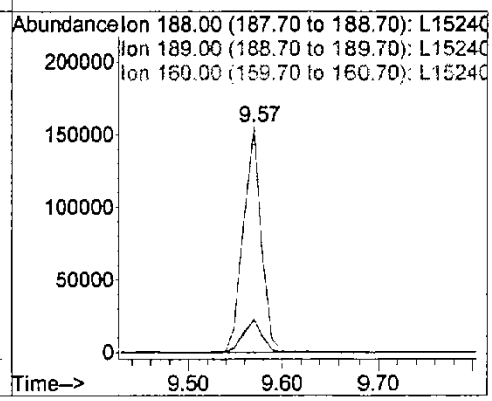


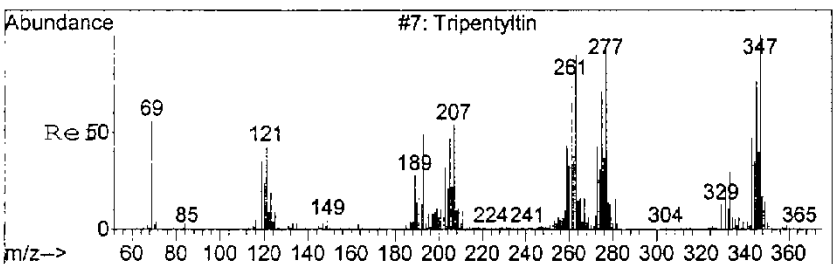
#1
Phenanthrene D10 (I)
Concen: 100.00 pg/ul
RT: 9.57 min Scan# 957
Delta R.T. 0.01 min
Lab File: L15240.D
Acq: 23 Feb 2005 15:59

Tgt Ion:188 Resp: 238995

Ion	Ratio	Lower	Upper
188	100		
189	14.2	7.6	17.8
160	13.7	8.2	19.2



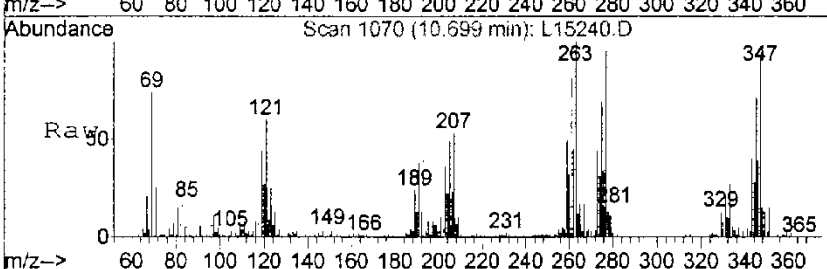


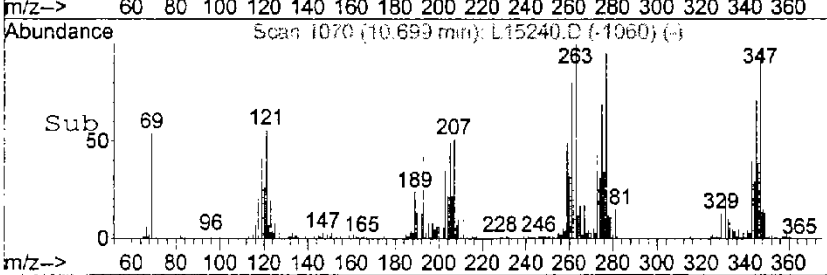


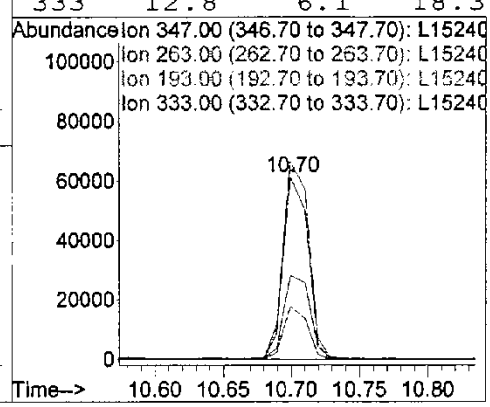
#2
Tripentyltin (S)
Concen: 67.55 PG/UL
RT: 10.70 min Scan# 1070
Delta R.T. 0.00 min
Lab File: L15240.D
Acq: 23 Feb 2005 15:59

Tgt Ion:347 Resp: 163036

Ion	Ratio	Lower	Upper
347	100		
263	53.1	22.8	91.2
193	23.0	12.0	36.0
333	12.8	6.1	18.3







01160

Quantitation Report (Not Reviewed)

Data File : T:\DATA\02232005\L15253.D Vial: 0
Acq On : 23 Feb 2005 21:38 Operator:
Sample : WTN0210 MB #1000 &2 WATER ORGTIN Inst :
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 24 14:08:23 2005 Quant Results File: ORGTIN02232005.RE

Quant Method : T:\METHODS\ORGTIN02232005.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Thu Feb 24 13:30:28 2005
Response via : Initial Calibration
DataAcq Meth :

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Phenanthrene D10 (I)	9.55	188	223475+	100.00	pg/ul	-0.01
System Monitoring Compounds						
2) Tripentyltin (S)	10.69	347	124672+	55.24	PG/UL	0.00

Target Compounds Qvalue

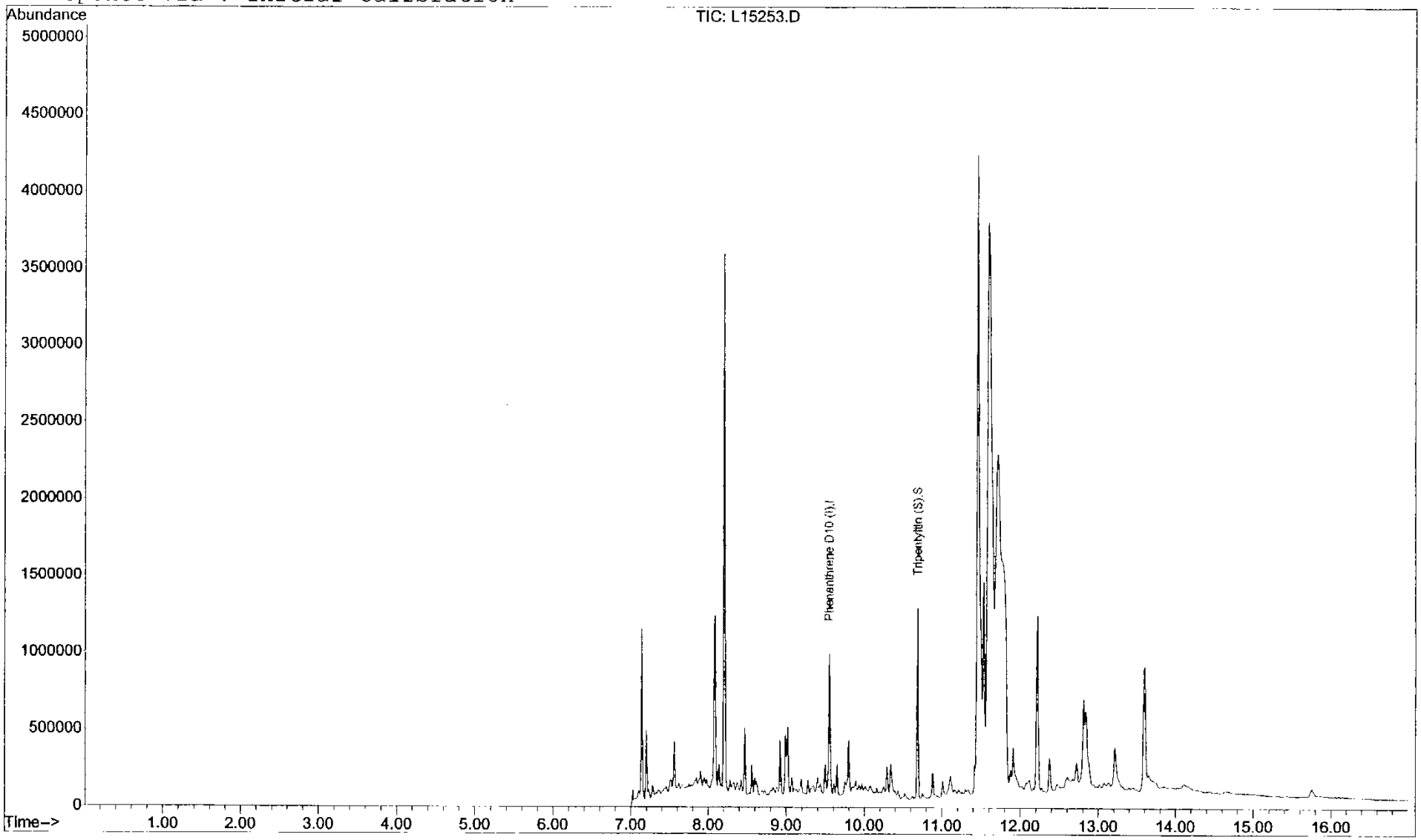
(#) = qualifier out of range (m) = manual integration (+) = signals summed

01161

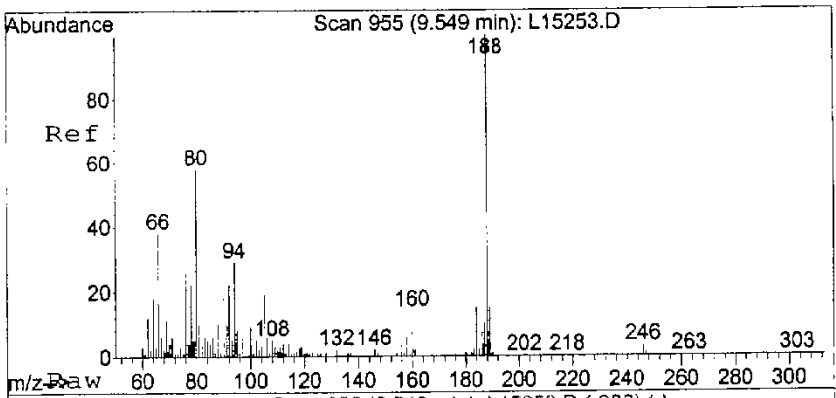
Quantitation Report (Not Reviewed)

Data File : T:\DATA\02232005\L15253.D Vial: 0
Acq On : 23 Feb 2005 21:38 Operator:
Sample : WTN0210 MB #1000 &2 WATER ORGTIN Inst :
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 24 14:08 2005 Quant Results File: ORGTIN02232005.RES

Method : T:\METHODS\ORGTIN02232005.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Thu Feb 24 13:30:28 2005
Response via : Initial Calibration



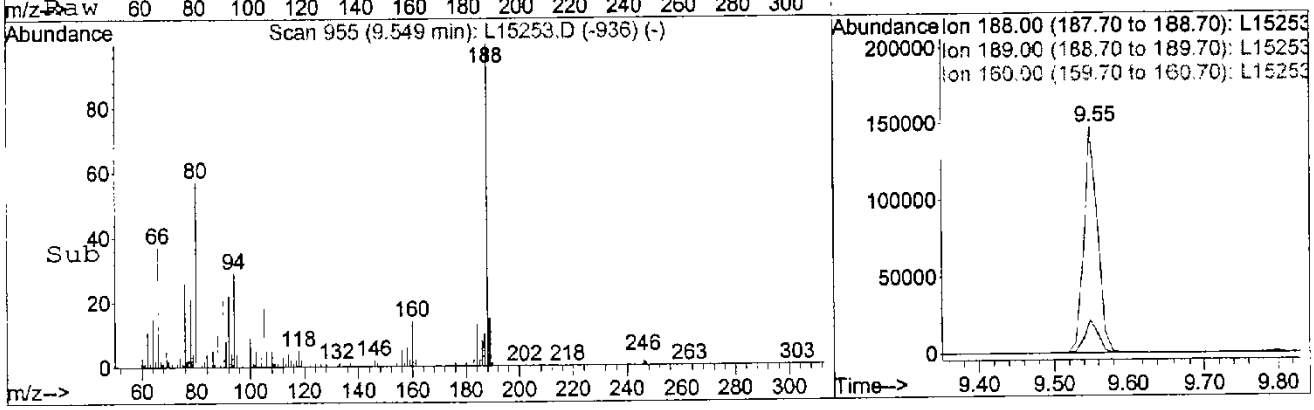
01162

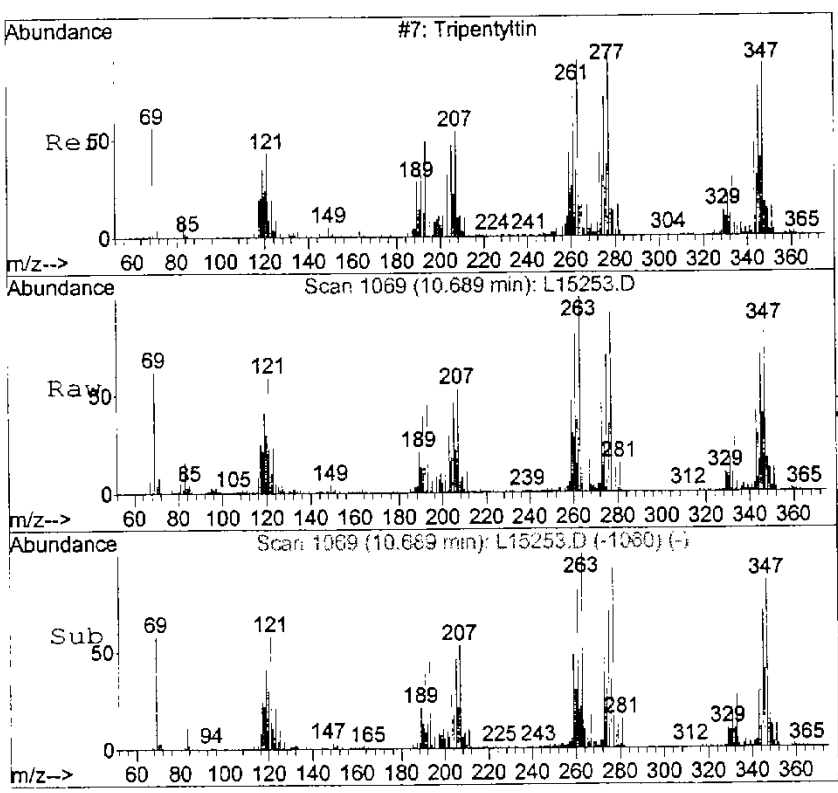


#1
Phenanthrene D10 (I)
Concen: 100.00 pg/ul
RT: 9.55 min Scan# 955
Delta R.T. -0.01 min
Lab File: L15253.D
Acq: 23 Feb 2005 21:38

Tgt Ion:188 Resp: 223475

Ion	Ratio	Lower	Upper
188	100		
189	12.5	7.6	17.8
160	13.3	8.2	19.2

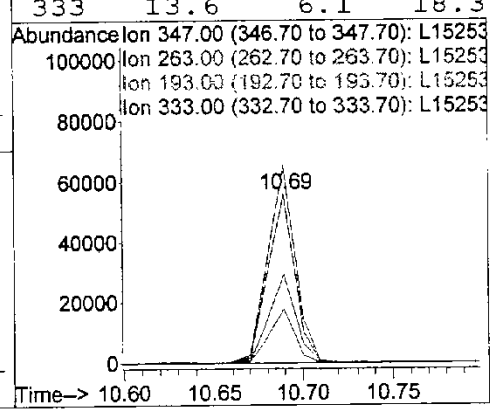




#2
Tripentyltin (S)
Concen: 55.24 PG/UL
RT: 10.69 min Scan# 1069
Delta R.T. -0.01 min
Lab File: L15253.D
Acq: 23 Feb 2005 21:38

Tgt Ion:347 Resp: 124672

Ion	Ratio	Lower	Upper
347	100		
263	54.9	22.8	91.2
193	23.8	12.0	36.0
333	13.6	6.1	18.3



01163

BLANK SPIKE

Data File : T:\DATA\02232005\L15241.D Vial: 0
Acq On : 23 Feb 2005 16:23 Operator:
Sample : STN0125 BS #15.0000 &20 SOIL ORGTIN Inst :
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 24 13:31:04 2005 Quant Results File: ORGTIN02232005.RI

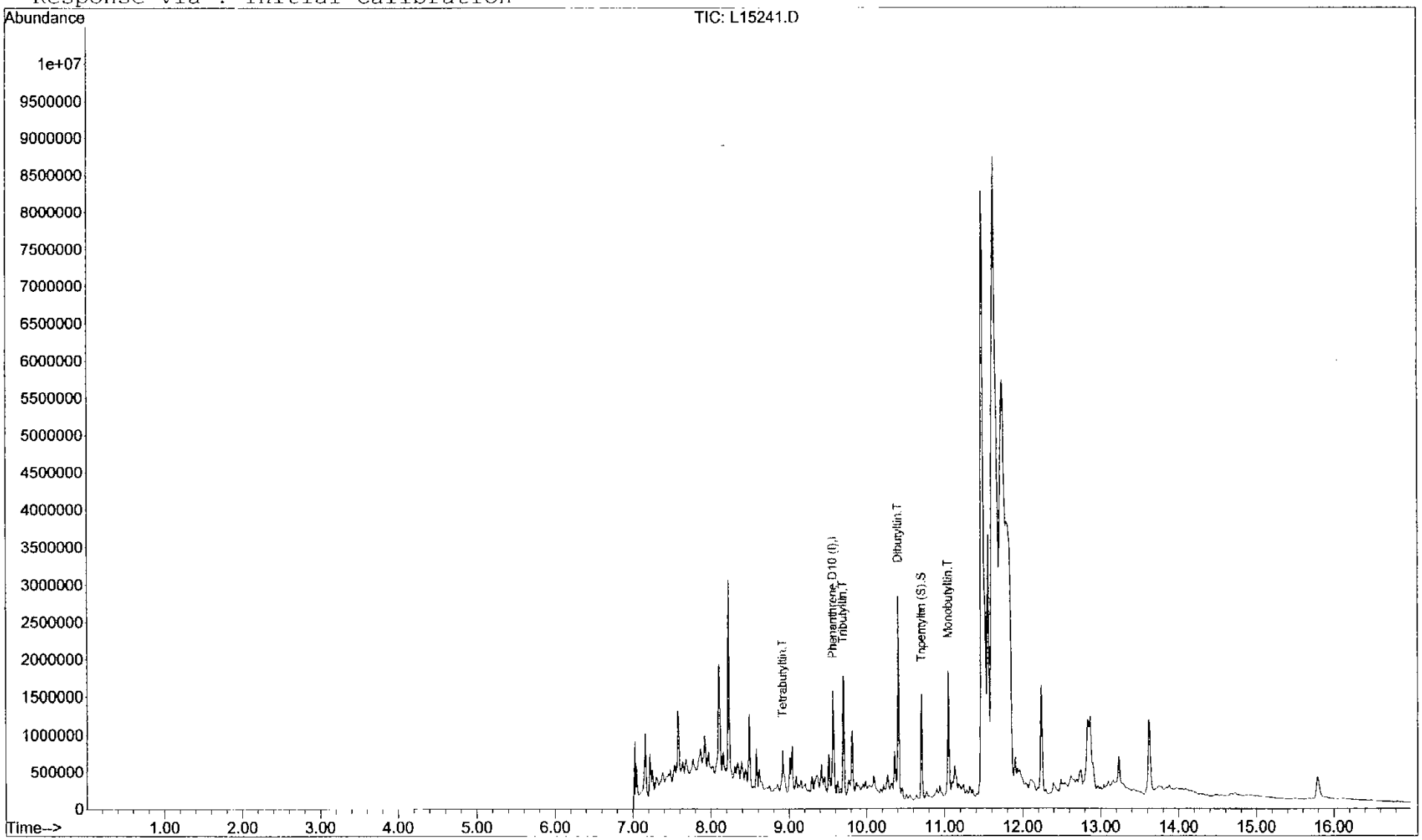
Quant Method : T:\METHODS\ORGTIN02232005.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Thu Feb 24 13:30:28 2005
Response via : Initial Calibration
DataAcq Meth :

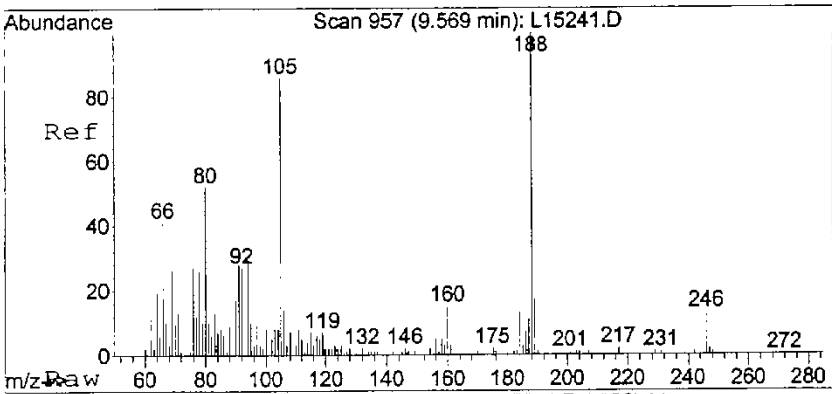
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Phenanthrene D10 (I)	9.57	188	251071+	100.00	pg/ul	0.00
System Monitoring Compounds						
2) Tripentyltin (S)	10.71	347	183684+	72.45	PG/UL	0.01
Target Compounds						Qvalue
3) Tetrabutyltin	8.92	235	148010+	77.81	PG/UL	77
4) Tributyltin	9.70	319	189699+	64.78	PG/UL	98
5) Dibutyltin	10.41	347	281665+	47.27	PG/UL	96
6) Monobutyltin	11.05	291	142139+	34.10	PG/UL	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : T:\DATA\02232005\L15241.D Vial: 0
Acq On : 23 Feb 2005 16:23 Operator:
Sample : STN0125 BS #15.0000 &20 SOIL ORGTIN Inst :
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 24 13:31 2005 Quant Results File: ORGTIN02232005.RES

Method : T:\METHODS\ORGTIN02232005.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Thu Feb 24 13:30:28 2005
Response via : Initial Calibration

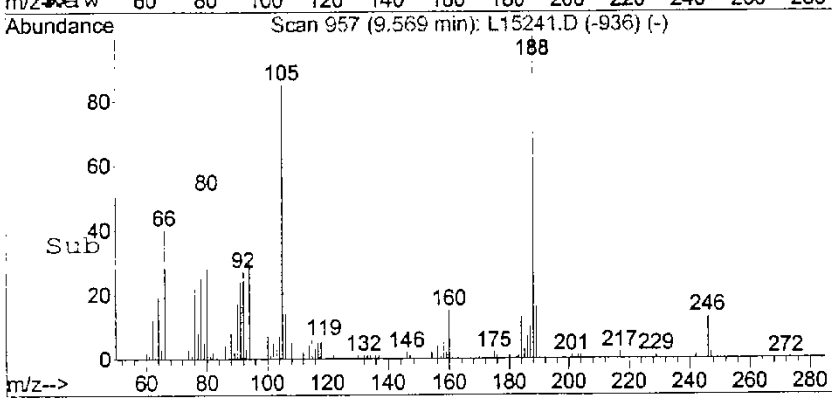


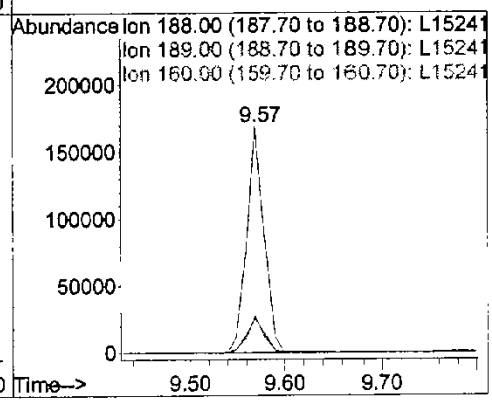


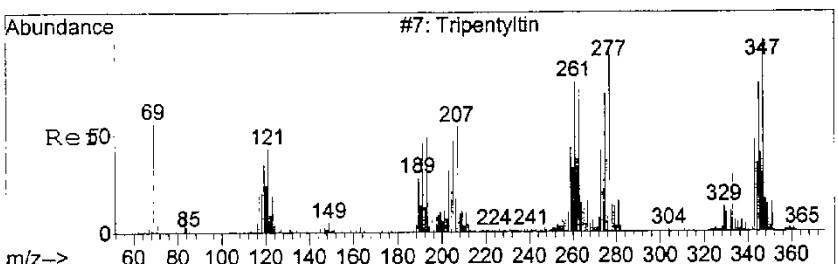
#1
Phenanthrene D10 (I)
Concen: 100.00 pg/ul
RT: 9.57 min Scan# 957
Delta R.T. 0.01 min
Lab File: L15241.D
Acq: 23 Feb 2005 16:23

Tgt Ion:188 Resp: 251071

Ion	Ratio	Lower	Upper
188	100		
189	14.4	7.6	17.8
160	14.1	8.2	19.2



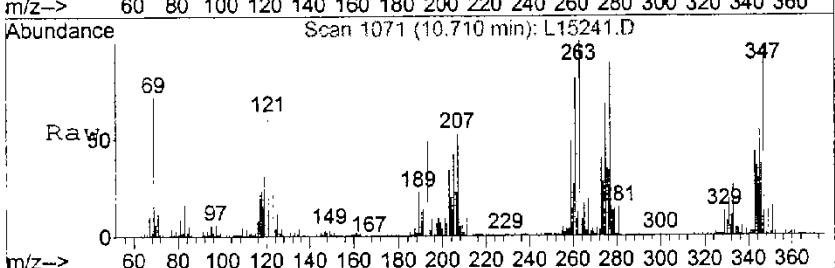


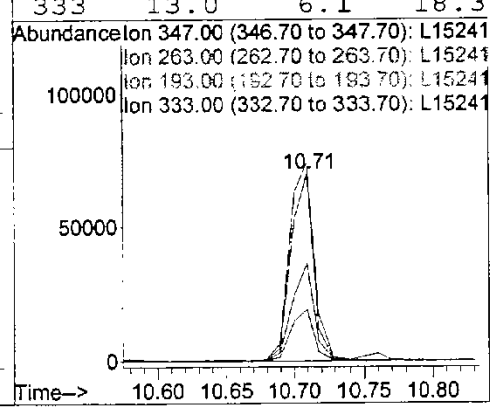


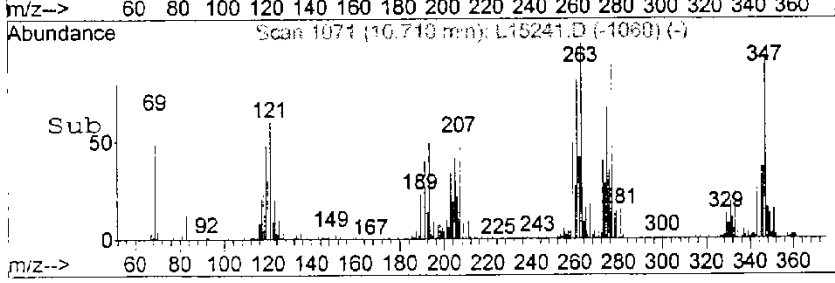
#2
Tripentyltin (S)
Concen: 72.45 PG/UL
RT: 10.71 min Scan# 1071
Delta R.T. 0.01 min
Lab File: L15241.D
Acq: 23 Feb 2005 16:23

Tgt Ion:347 Resp: 183684

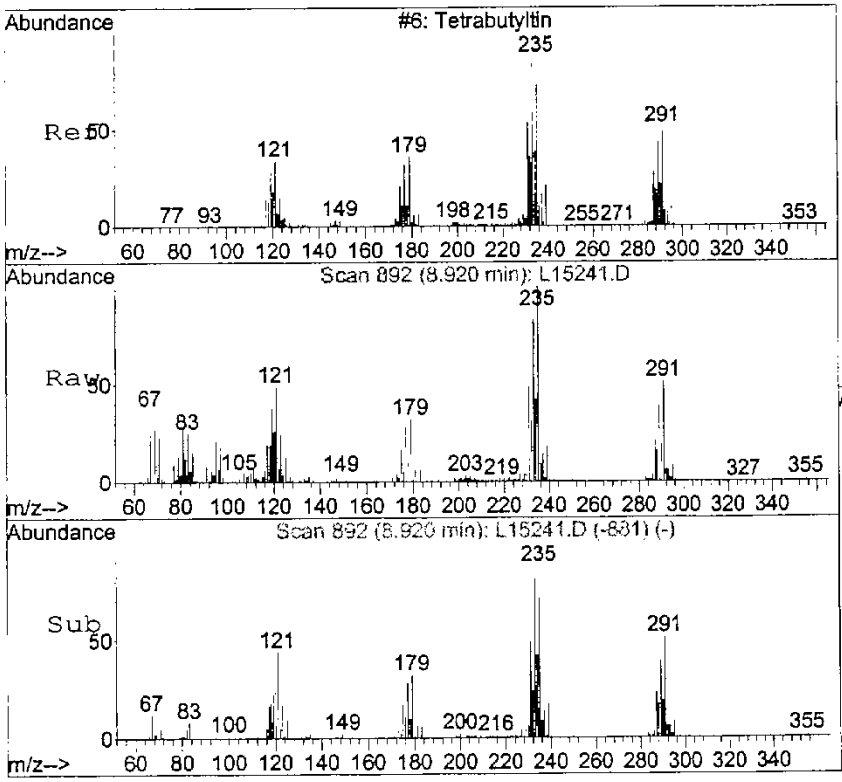
Ion	Ratio	Lower	Upper
347	100		
263	53.8	22.8	91.2
193	23.5	12.0	36.0
333	13.0	6.1	18.3







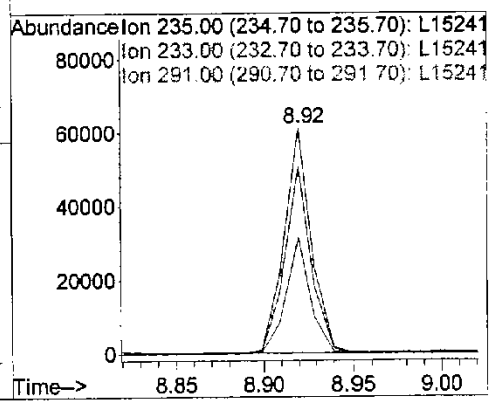
01167

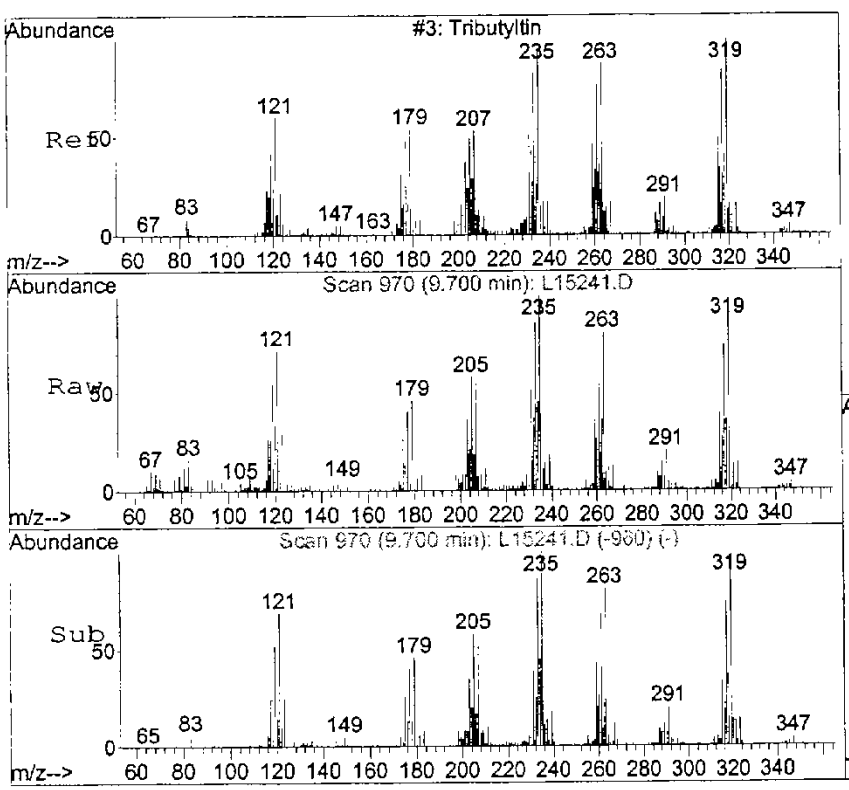


#3
Tetrabutyltin
Concen: 77.81 PG/UL
RT: 8.92 min Scan# 892
Delta R.T. 0.01 min
Lab File: L15241.D
Acq: 23 Feb 2005 16:23

Tgt Ion:235 Resp: 148010

Ion	Ratio	Lower	Upper
235	100		
233	35.1	37.5	69.7#
291	20.7	21.5	39.9#

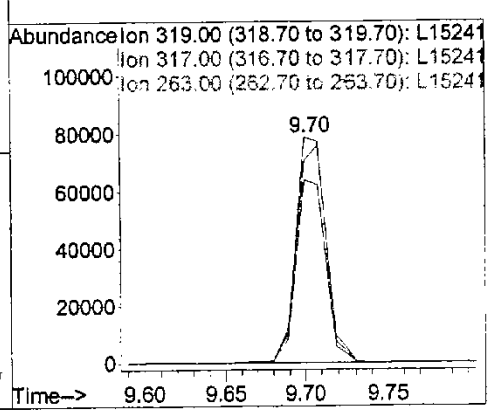




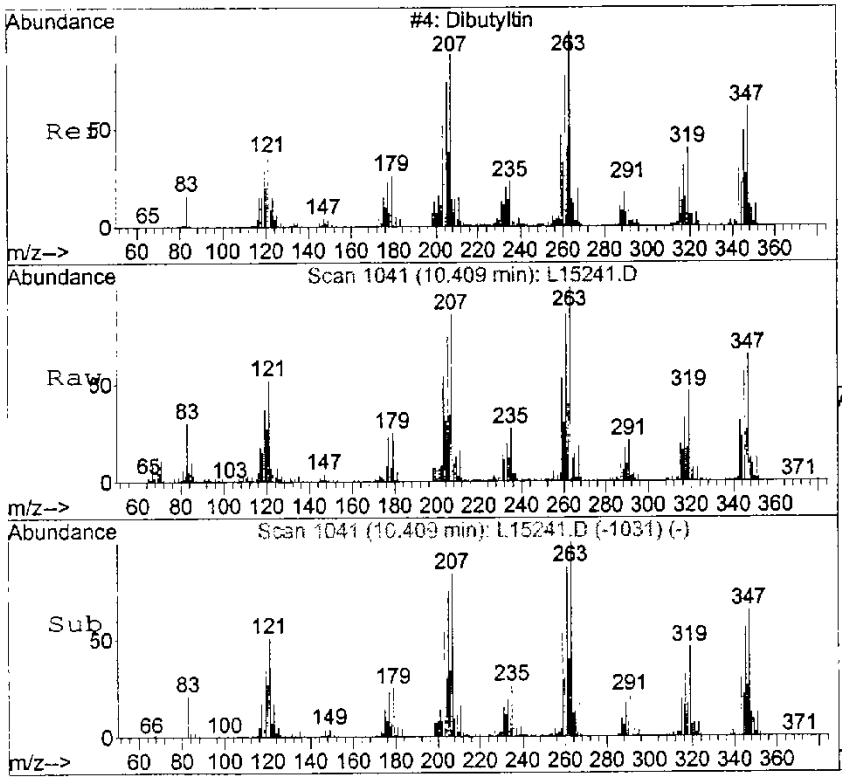
#4
Tributyltin
Concen: 64.78 PG/UL
RT: 9.70 min Scan# 970
Delta R.T. 0.00 min
Lab File: L15241.D
Acq: 23 Feb 2005 16:23

Tgt Ion:319 Resp: 189699

Ion	Ratio	Lower	Upper
319	100		
317	44.8	30.7	56.9
263	53.9	38.9	72.2



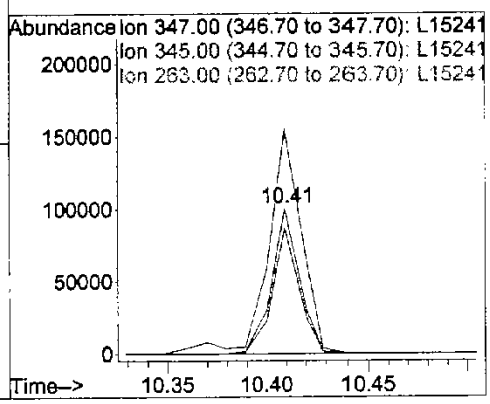
01168

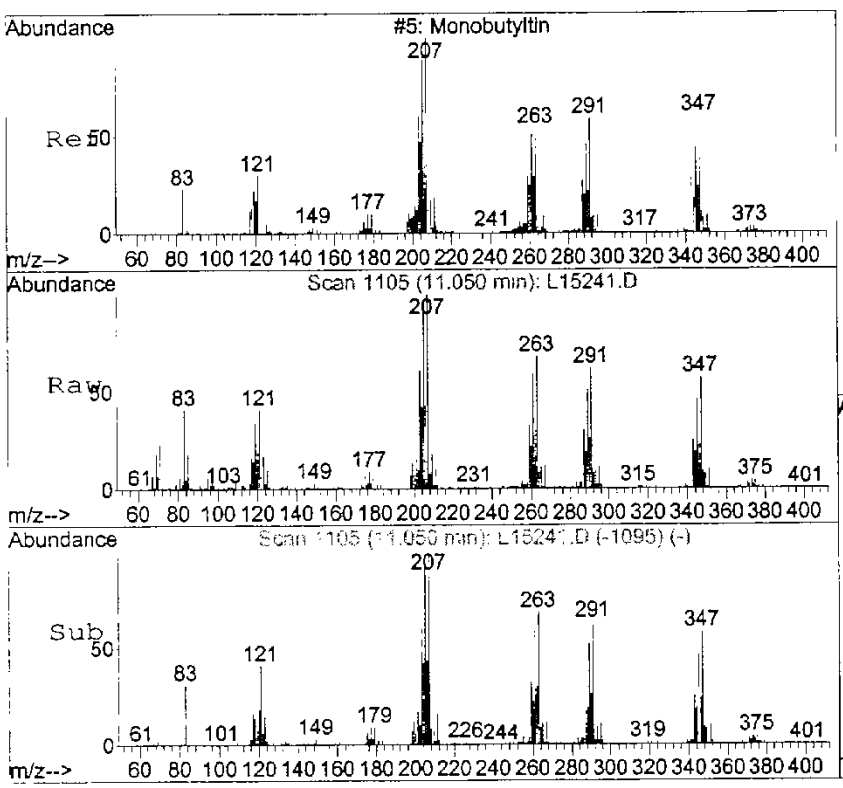


#5
Dibutyltin
Concen: 47.27 PG/UL
RT: 10.41 min Scan# 1041
Delta R.T. 0.00 min
Lab File: L15241.D
Acq: 23 Feb 2005 16:23

Tgt Ion:347 Resp: 281665

Ion	Ratio	Lower	Upper
347	100		
345	29.5	18.5	34.3
263	64.9	46.9	87.1

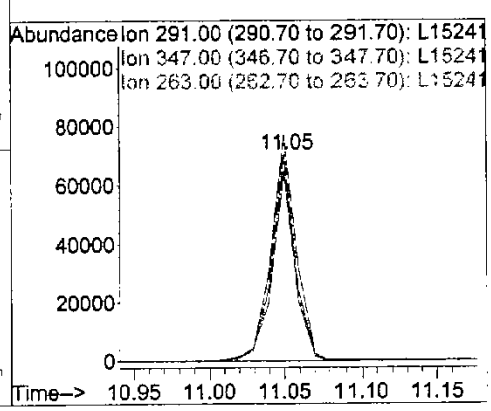




#6
Monobutyltin
Concen: 34.10 PG/UL
RT: 11.05 min Scan# 1105
Delta R.T. 0.00 min
Lab File: L15241.D
Acq: 23 Feb 2005 16:23

Tgt Ion:291 Resp: 142139

Ion	Ratio	Lower	Upper
291	100		
347	47.4	17.9	71.7
263	62.5	25.7	102.7



01169

Quantitation Report (Not Reviewed)

Data File : T:\DATA\02232005\L15242.D Vial: 0
Acq On : 23 Feb 2005 16:47 Operator:
Sample : STN0125 BSD #15.0000 &20 SOIL ORGTIN Inst :
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 24 13:31:23 2005 Quant Results File: ORGTIN02232005.RI

Quant Method : T:\METHODS\ORGTIN02232005.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Thu Feb 24 13:30:28 2005
Response via : Initial Calibration
DataAcq Meth :

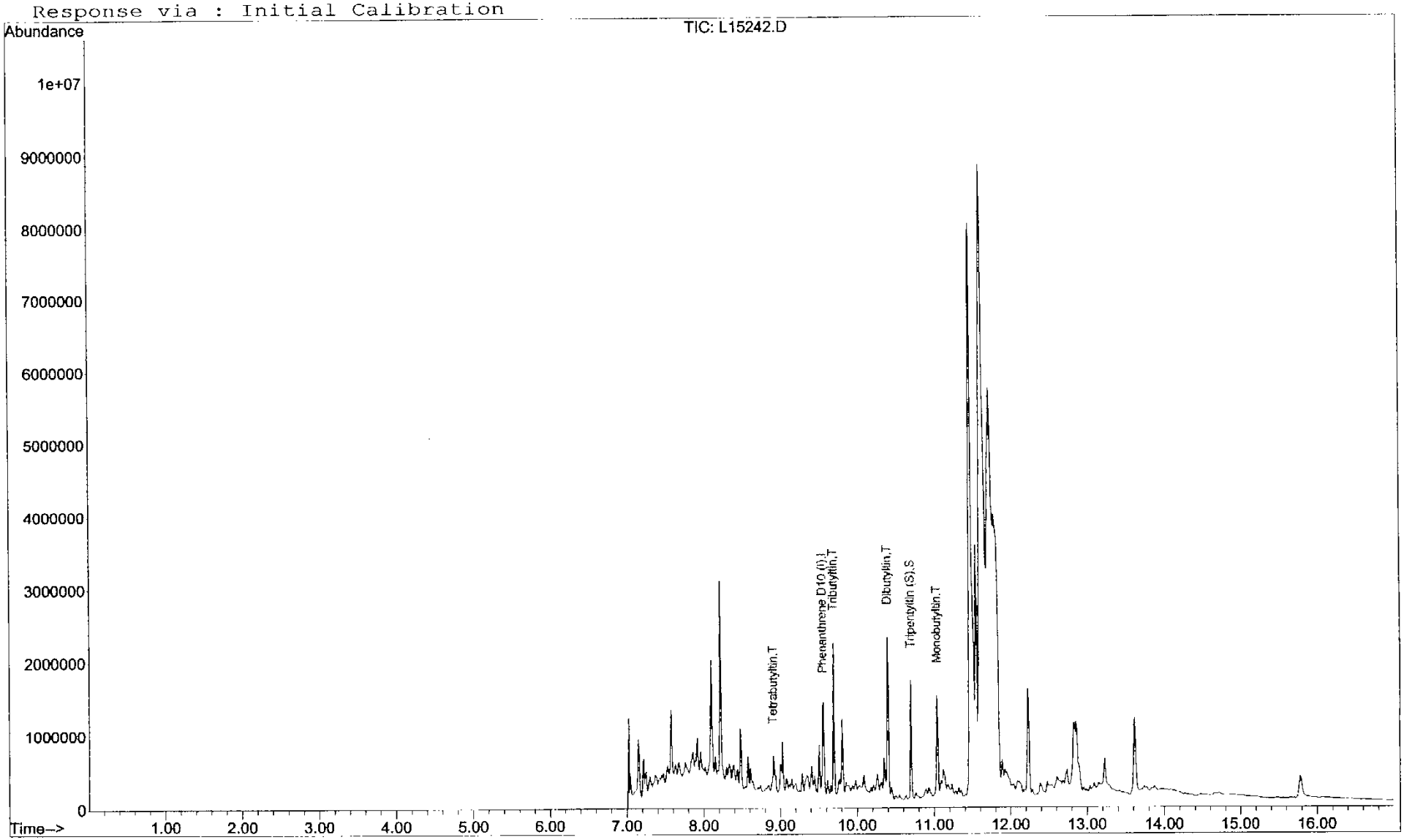
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Phenanthrene D10 (I)	9.56	188	268075+	100.00	pg/ul	0.00
System Monitoring Compounds						
2) Tripentyltin (S)	10.70	347	162332+	59.97	PG/UL	0.00
Target Compounds						Qvalue
3) Tetrabutyltin	8.91	235	149369+	73.54	PG/UL	77
4) Tributyltin	9.70	319	187532+	59.98	PG/UL	97
5) Dibutyltin	10.40	347	268221+	42.16	PG/UL	97
6) Monobutyltin	11.04	291	145403+	32.67	PG/UL	98

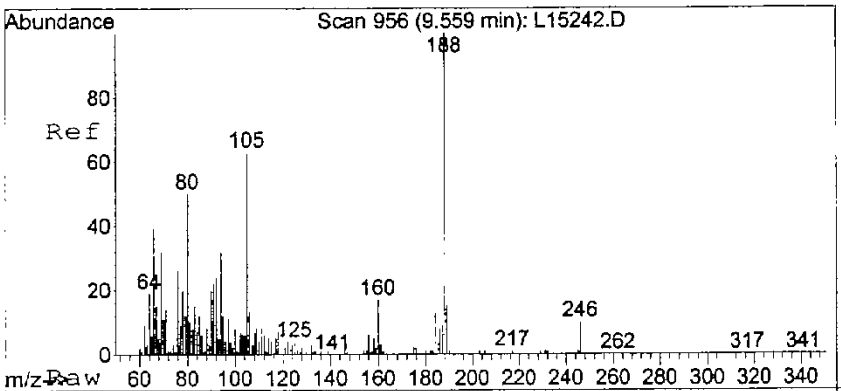
Data File : T:\DATA\02232005\L15242.D
Acq On : 23 Feb 2005 16:47
Sample : STN0125 BSD #15.0000 &20 SOIL ORGTIN
Misc :
MS Integration Params: rteint.p
Quant Time: Feb 24 13:31 2005

Vial: 0
Operator:
Inst :
Multiplr: 1.00

Quant Results File: ORGTIN02232005.RES

Method : T:\METHODS\ORGTIN02232005.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Thu Feb 24 13:30:28 2005
Response via : Initial Calibration

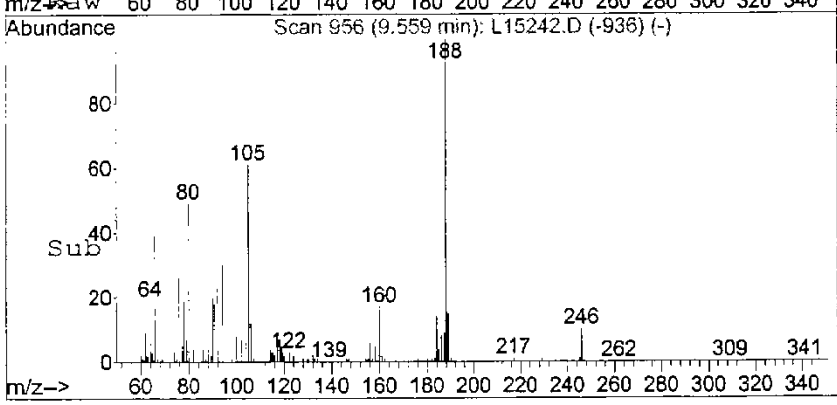


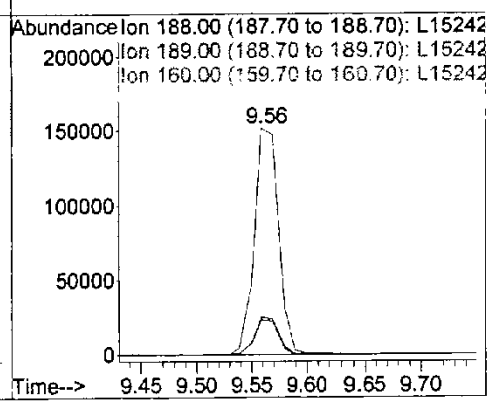


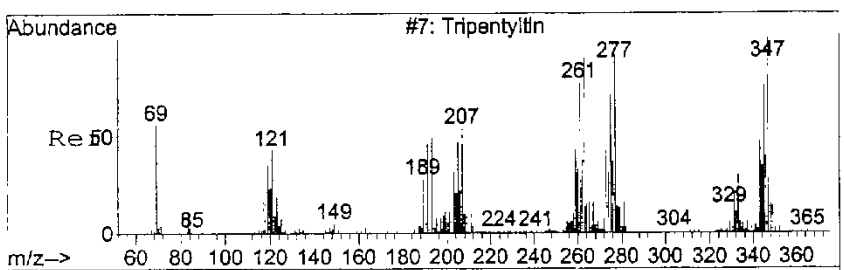
#1
Phenanthrene D10 (I)
Concen: 100.00 pg/ul
RT: 9.56 min Scan# 956
Delta R.T. -0.00 min
Lab File: L15242.D
Acq: 23 Feb 2005 16:47

Tgt Ion:188 Resp: 268075

Ion	Ratio	Lower	Upper
188	100		
189	13.6	7.6	17.8
160	14.6	8.2	19.2



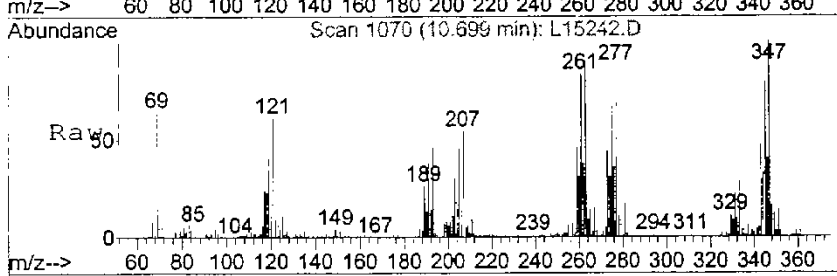


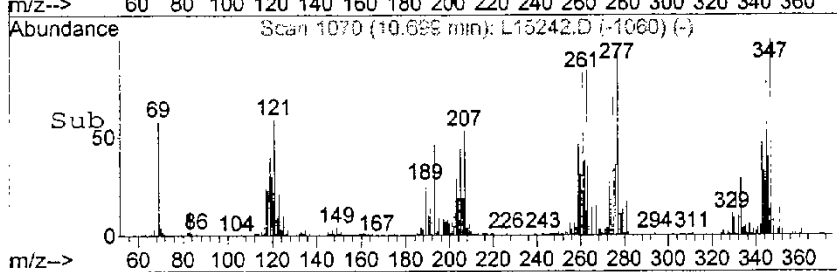


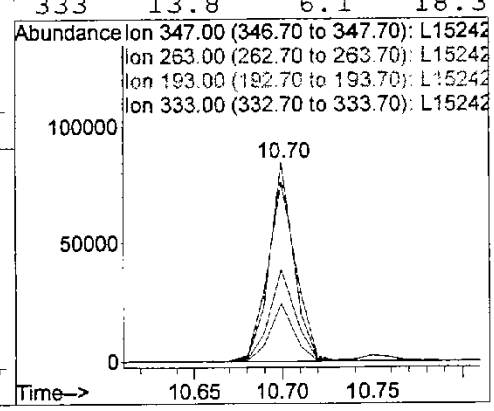
#2
Tripentyltin (S)
Concen: 59.97 PG/UL
RT: 10.70 min Scan# 1070
Delta R.T. 0.00 min
Lab File: L15242.D
Acq: 23 Feb 2005 16:47

Tgt Ion:347 Resp: 162332

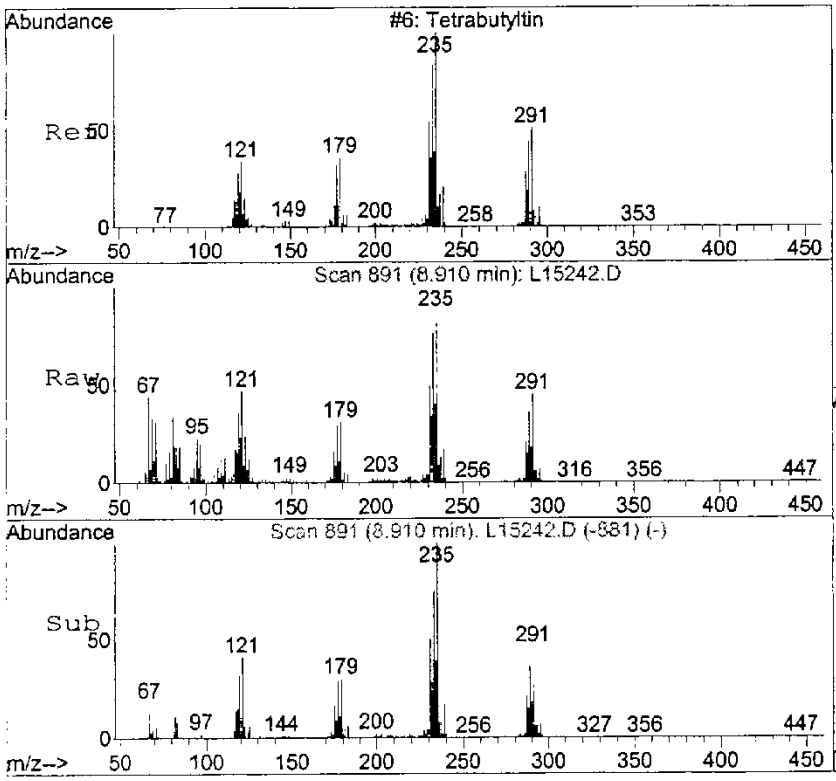
Ion	Ratio	Lower	Upper
347	100		
263	51.8	22.8	91.2
193	23.8	12.0	36.0
333	13.8	6.1	18.3







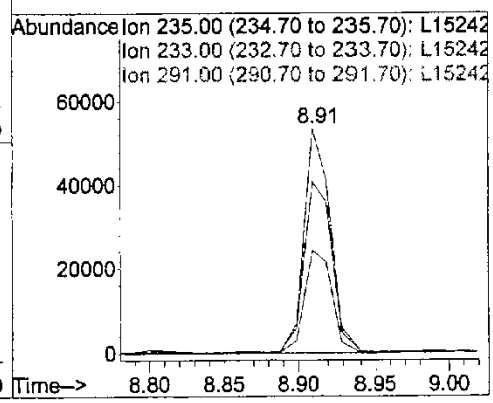
01172

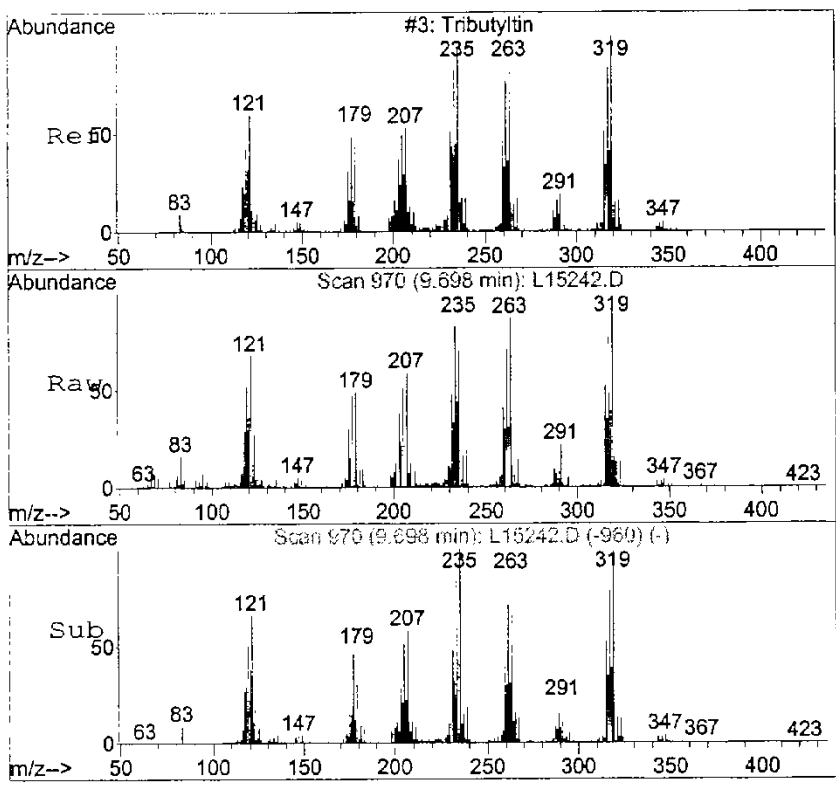


#3
Tetrabutyltin
Concen: 73.54 PG/UL
RT: 8.91 min Scan# 891
Delta R.T. 0.00 min
Lab File: L15242.D
Acq: 23 Feb 2005 16:47

Tgt Ion:235 Resp: 149369

Ion	Ratio	Lower	Upper
235	100		
233	34.6	37.5	69.7#
291	21.3	21.5	39.9#

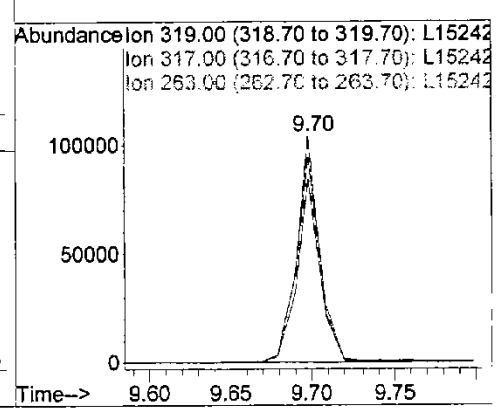




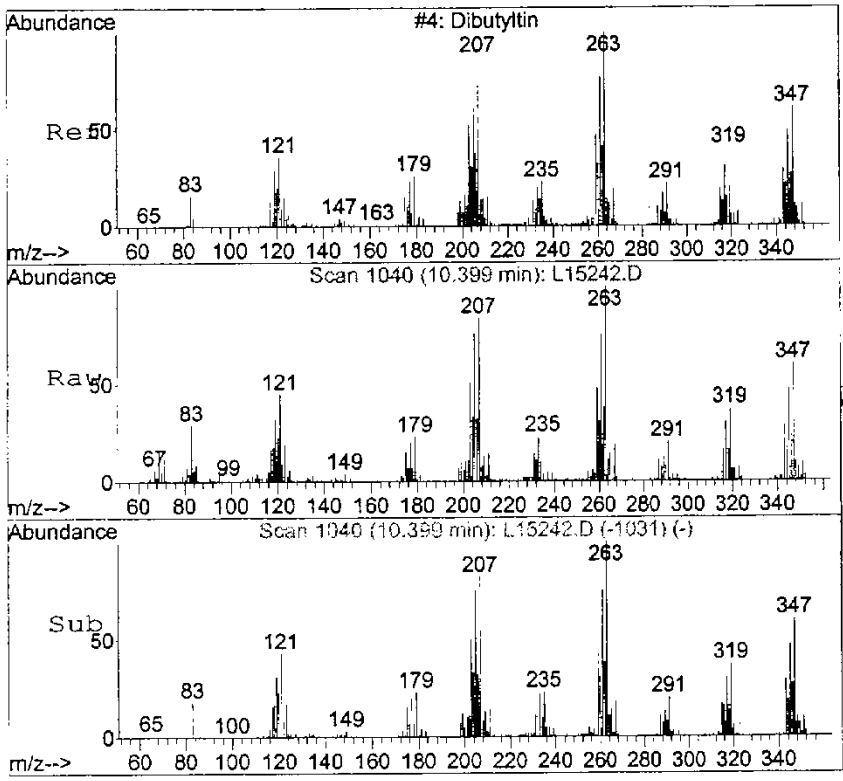
#4
Tributyltin
Concen: 59.98 PG/UL
RT: 9.70 min Scan# 970
Delta R.T. -0.00 min
Lab File: L15242.D
Acq: 23 Feb 2005 16:47

Tgt Ion:319 Resp: 187532

Ion	Ratio	Lower	Upper
319	100		
317	45.4	30.7	56.9
263	53.0	38.9	72.2



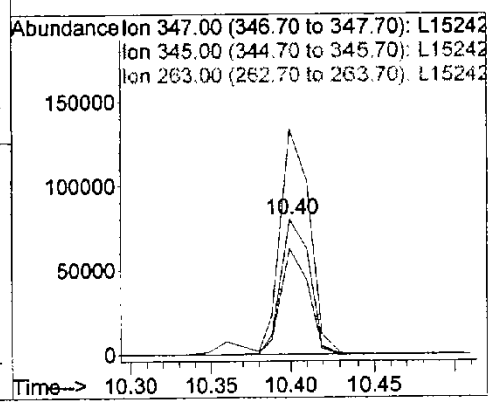
01173

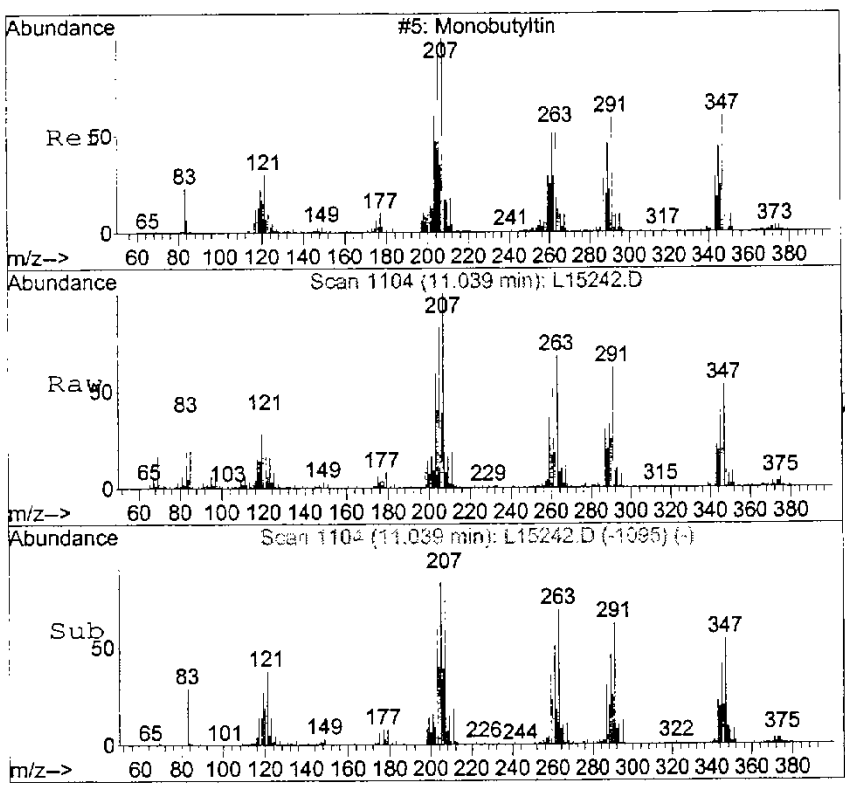


#5
Dibutyltin
Concen: 42.16 PG/UL
RT: 10.40 min Scan# 1040
Delta R.T. -0.01 min
Lab File: L15242.D
Acq: 23 Feb 2005 16:47

Tgt Ion:347 Resp: 268221

Ion	Ratio	Lower	Upper
347	100		
345	26.9	18.5	34.3
263	64.2	46.9	87.1

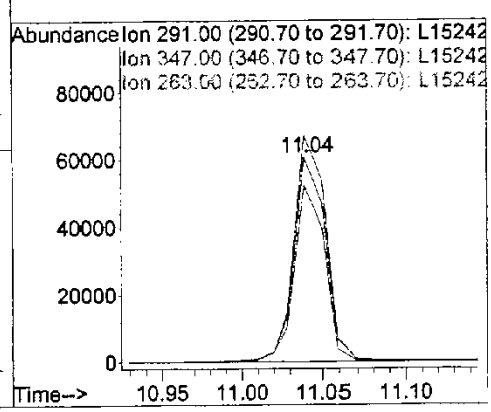




#6
Monobutyltin
Concen: 32.67 PG/UL
RT: 11.04 min Scan# 1104
Delta R.T. -0.01 min
Lab File: L15242.D
Acq: 23 Feb 2005 16:47

Tgt Ion:291 Resp: 145403

Ion	Ratio	Lower	Upper
291	100		
347	45.8	17.9	71.7
263	62.1	25.7	102.7



01174

Quantitation Report (Not Reviewed)

Data File : T:\DATA\02232005\L15254.D Vial: 0
Acq On : 23 Feb 2005 22:02 Operator:
Sample : WTN0210 BS #1000 &2 WATER ORGTIN Inst :
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 24 14:08:33 2005 Quant Results File: ORGTIN02232005.RI

Quant Method : T:\METHODS\ORGTIN02232005.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Thu Feb 24 13:30:28 2005
Response via : Initial Calibration
DataAcq Meth :

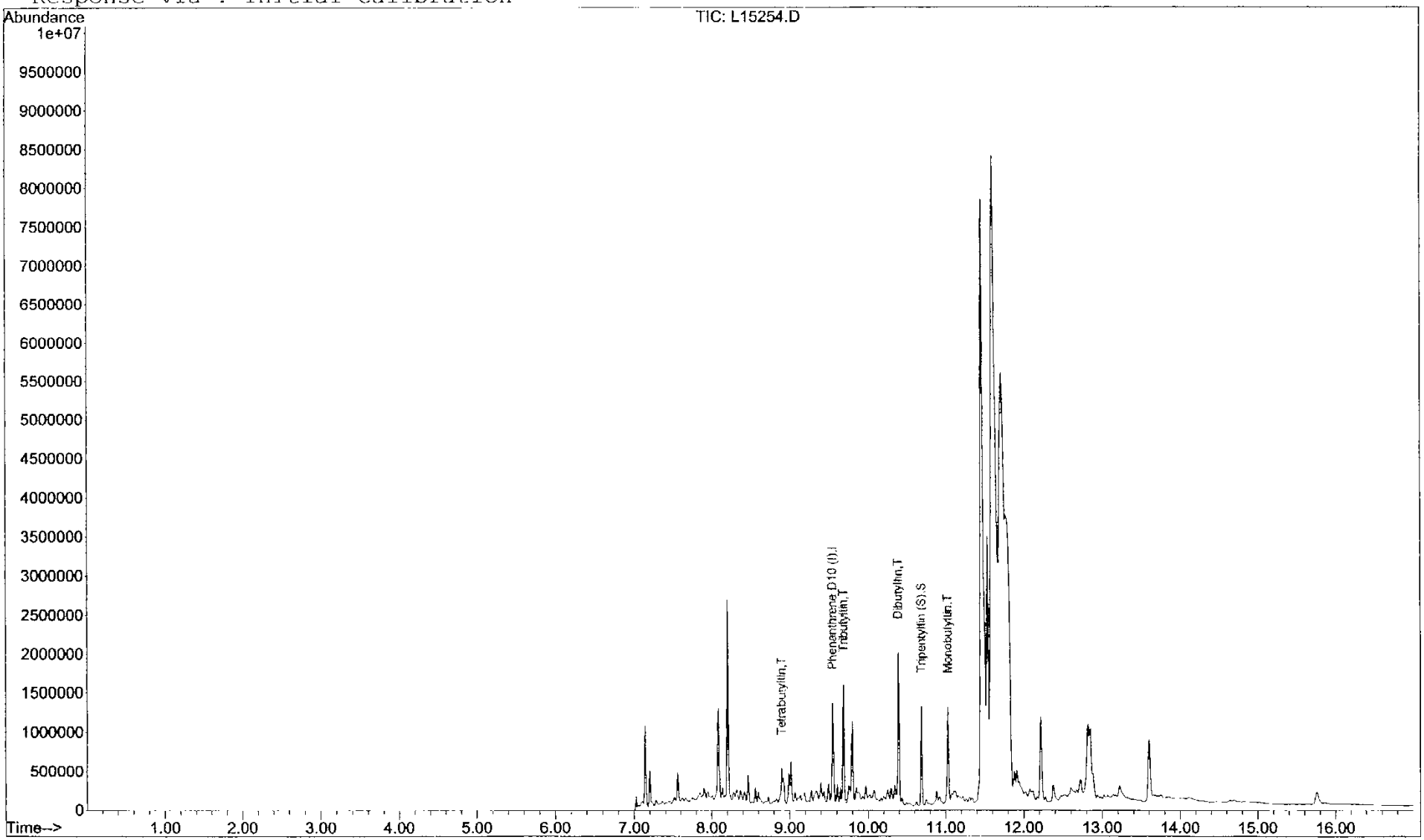
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Phenanthrene D10 (I)	9.55	188	192184+	100.00	pg/ul	0.00
System Monitoring Compounds						
2) Tripentyltin (S)	10.69	347	127588+	65.74	PG/UL	0.00
Target Compounds						Qvalue
3) Tetrabutyltin	8.90	235	118480+	81.37	PG/UL	77
4) Tributyltin	9.69	319	153005+	68.26	PG/UL	97
5) Dibutyltin	10.39	347	220627+	48.37	PG/UL	96
6) Monobutyltin	11.03	291	123662+	38.76	PG/UL	99

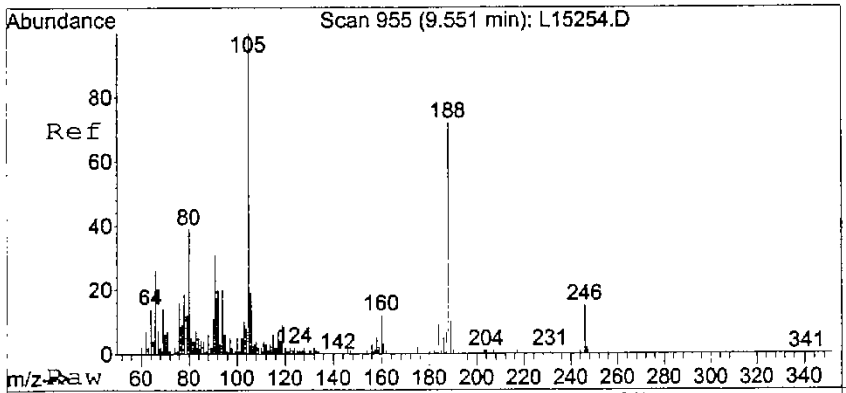
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : T:\DATA\02232005\L15254.D Vial: 0
Acq On : 23 Feb 2005 22:02 Operator:
Sample : WTN0210 BS #1000 &2 WATER ORGTIN Inst :
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 24 14:08 2005 Quant Results File: ORGTIN02232005.RES

Method : T:\METHODS\ORGTIN02232005.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Thu Feb 24 13:30:28 2005
Response via : Initial Calibration

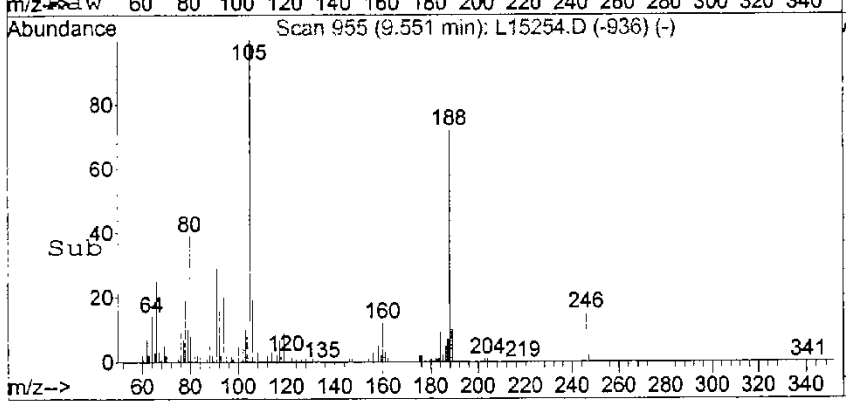


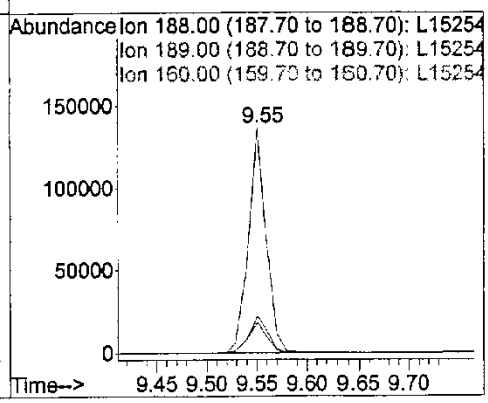


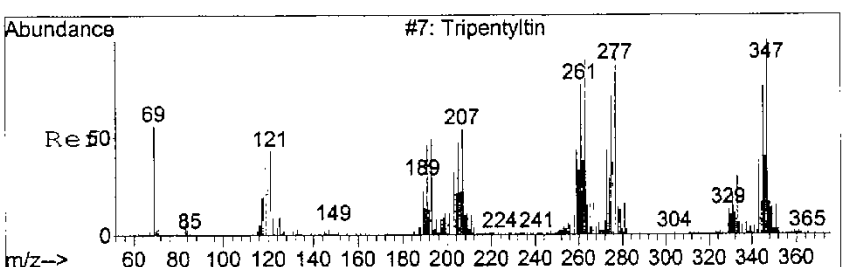
#1
Phenanthrene D10 (I)
Concen: 100.00 pg/ul
RT: 9.55 min Scan# 955
Delta R.T. -0.01 min
Lab File: L15254.D
Acq: 23 Feb 2005 22:02

Tgt Ion:188 Resp: 192184

Ion	Ratio	Lower	Upper
188	100		
189	13.1	7.6	17.8
160	15.5	8.2	19.2



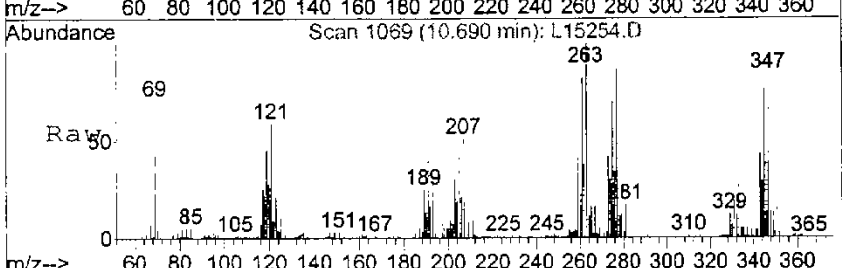


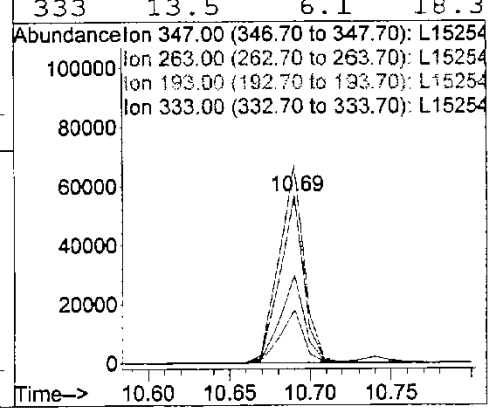


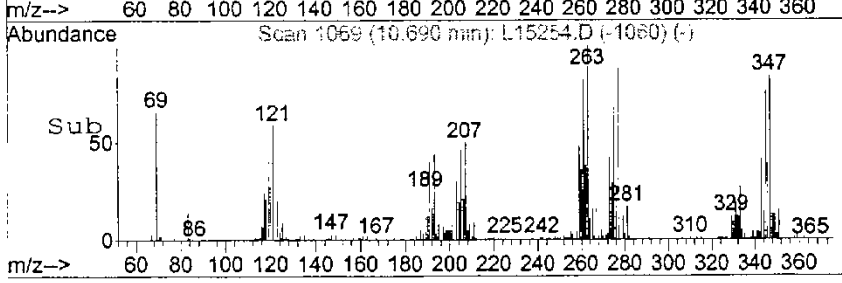
#2
Tripentyltin (S)
Concen: 65.74 PG/UL
RT: 10.69 min Scan# 1069
Delta R.T. -0.01 min
Lab File: L15254.D
Acq: 23 Feb 2005 22:02

Tgt Ion:347 Resp: 127588

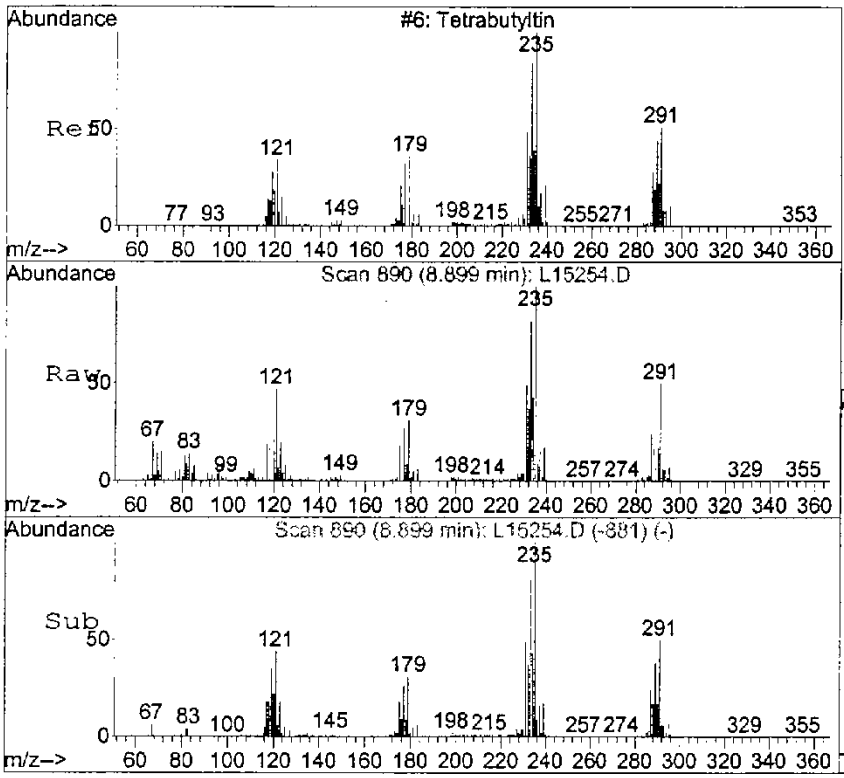
Ion	Ratio	Lower	Upper
347	100		
263	54.9	22.8	91.2
193	23.6	12.0	36.0
333	13.5	6.1	18.3







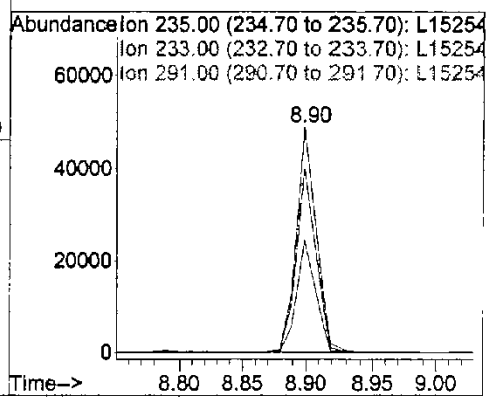
01177

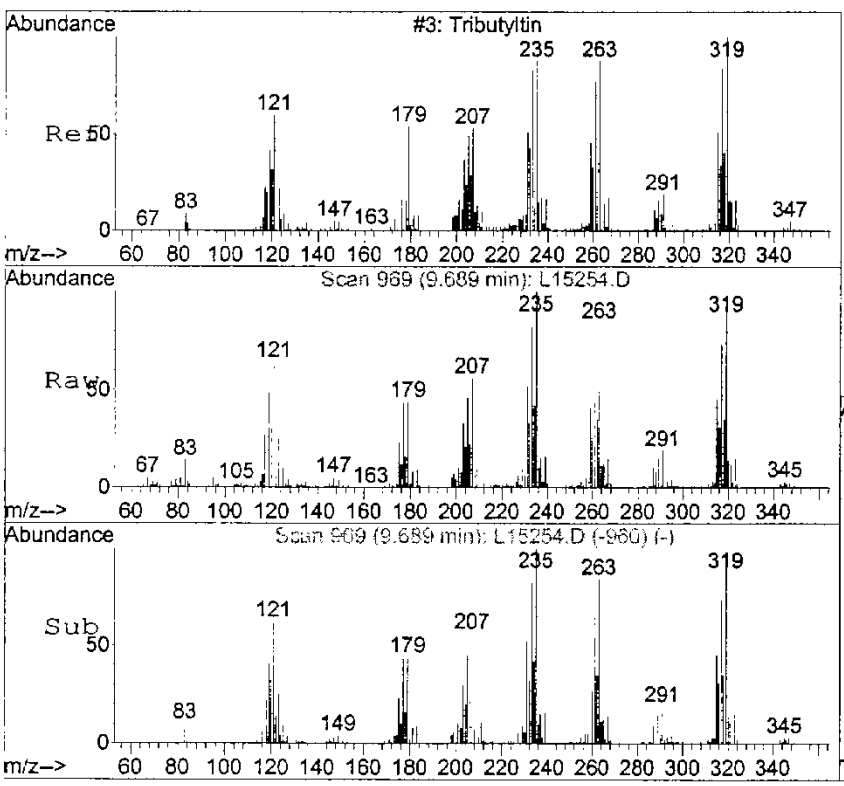


#3
Tetrabutyltin
Concen: 81.37 PG/UL
RT: 8.90 min Scan# 890
Delta R.T. -0.01 min
Lab File: L15254.D
Acq: 23 Feb 2005 22:02

Tgt Ion:235 Resp: 118480

Ion	Ratio	Lower	Upper
235	100		
233	35.2	37.5	69.7#
291	20.9	21.5	39.9#

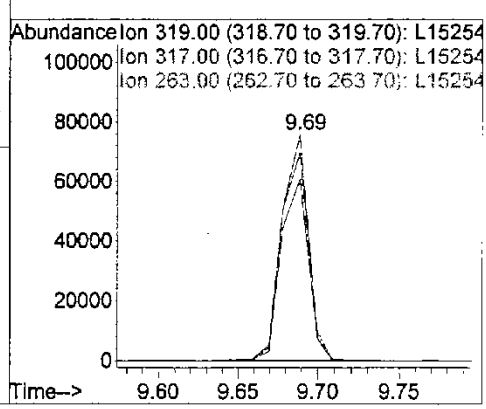




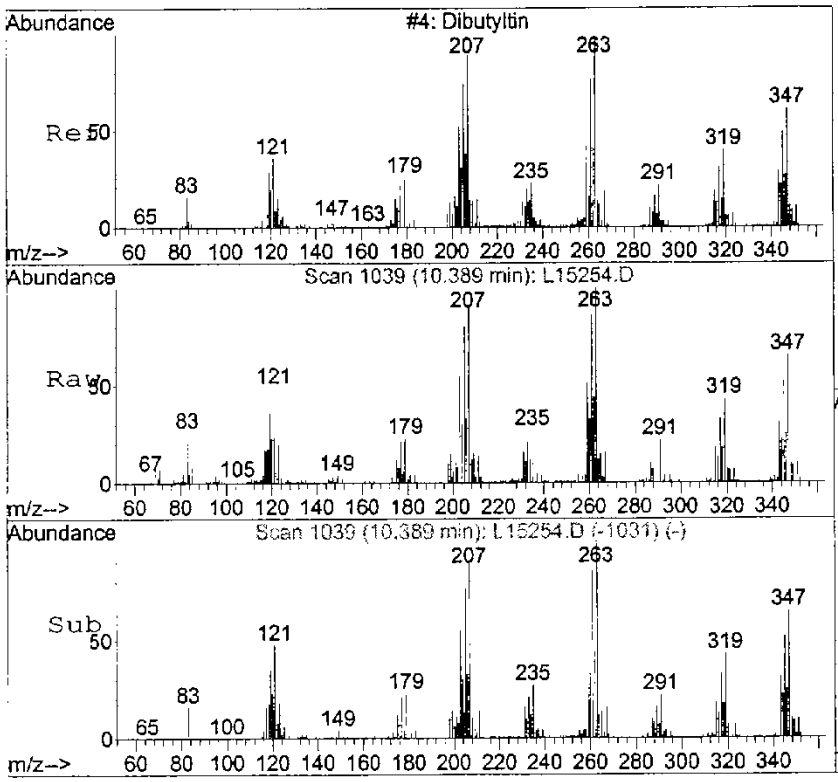
#4
Tributyltin
Concen: 68.26 PG/UL
RT: 9.69 min Scan# 969
Delta R.T. -0.01 min
Lab File: L15254.D
Acq: 23 Feb 2005 22:02

Tgt Ion:319 Resp: 153005

Ion	Ratio	Lower	Upper
319	100		
317	45.3	30.7	56.9
263	52.9	38.9	72.2



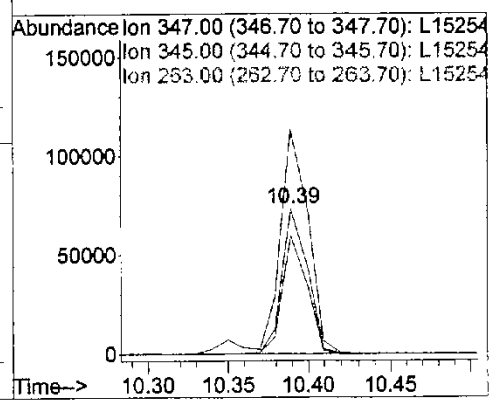
01178

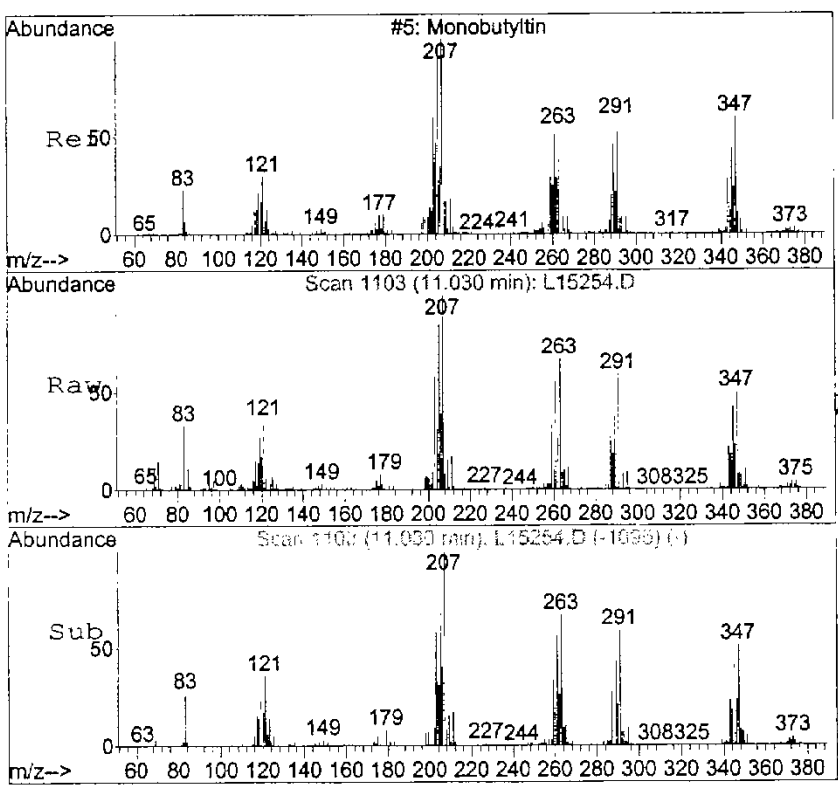


#5
Dibutyltin
Concen: 48.37 PG/UL
RT: 10.39 min Scan# 1039
Delta R.T. -0.02 min
Lab File: L15254.D
Acq: 23 Feb 2005 22:02

Tgt Ion:347 Resp: 220627

Ion	Ratio	Lower	Upper
347	100		
345	28.6	18.5	34.3
263	63.8	46.9	87.1

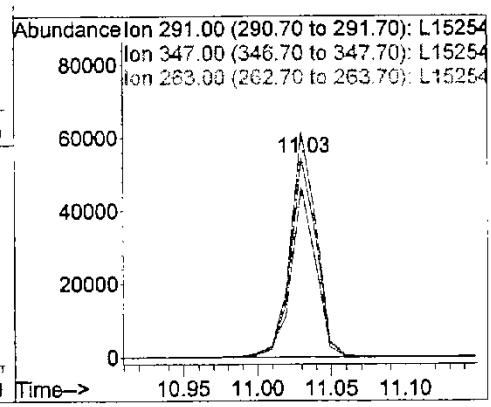




#6
Monobutyltin
Concen: 38.76 PG/UL
RT: 11.03 min Scan# 1103
Delta R.T. -0.02 min
Lab File: L15254.D
Acq: 23 Feb 2005 22:02

Tgt Ion:291 Resp: 123662

Ion	Ratio	Lower	Upper
291	100		
347	45.3	17.9	71.7
263	62.8	25.7	102.7



01179

Quantitation Report (Not Reviewed)

Data File : T:\DATA\02232005\L15255.D Vial: 0
Acq On : 23 Feb 2005 22:26 Operator:
Sample : WTN0210 BSD #1000 &2 WATER ORGTIN Inst :
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 24 14:08:48 2005 Quant Results File: ORGTIN02232005.RE

Quant Method : T:\METHODS\ORGTIN02232005.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Thu Feb 24 13:30:28 2005
Response via : Initial Calibration
DataAcq Meth :

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Phenanthrene D10 (I)	9.56	188	206063+	100.00	pg/ul	0.00
System Monitoring Compounds						
2) Tripentyltin (S)	10.70	347	131275+	63.09	PG/UL	0.00
Target Compounds						Qvalue
3) Tetrabutyltin	8.91	235	117210+	75.08	PG/UL	77
4) Tributyltin	9.70	319	144090+	59.96	PG/UL	98
5) Dibutyltin	10.40	347	229327+	46.89	PG/UL	95
6) Monobutyltin	11.04	291	125813+	36.78	PG/UL	97

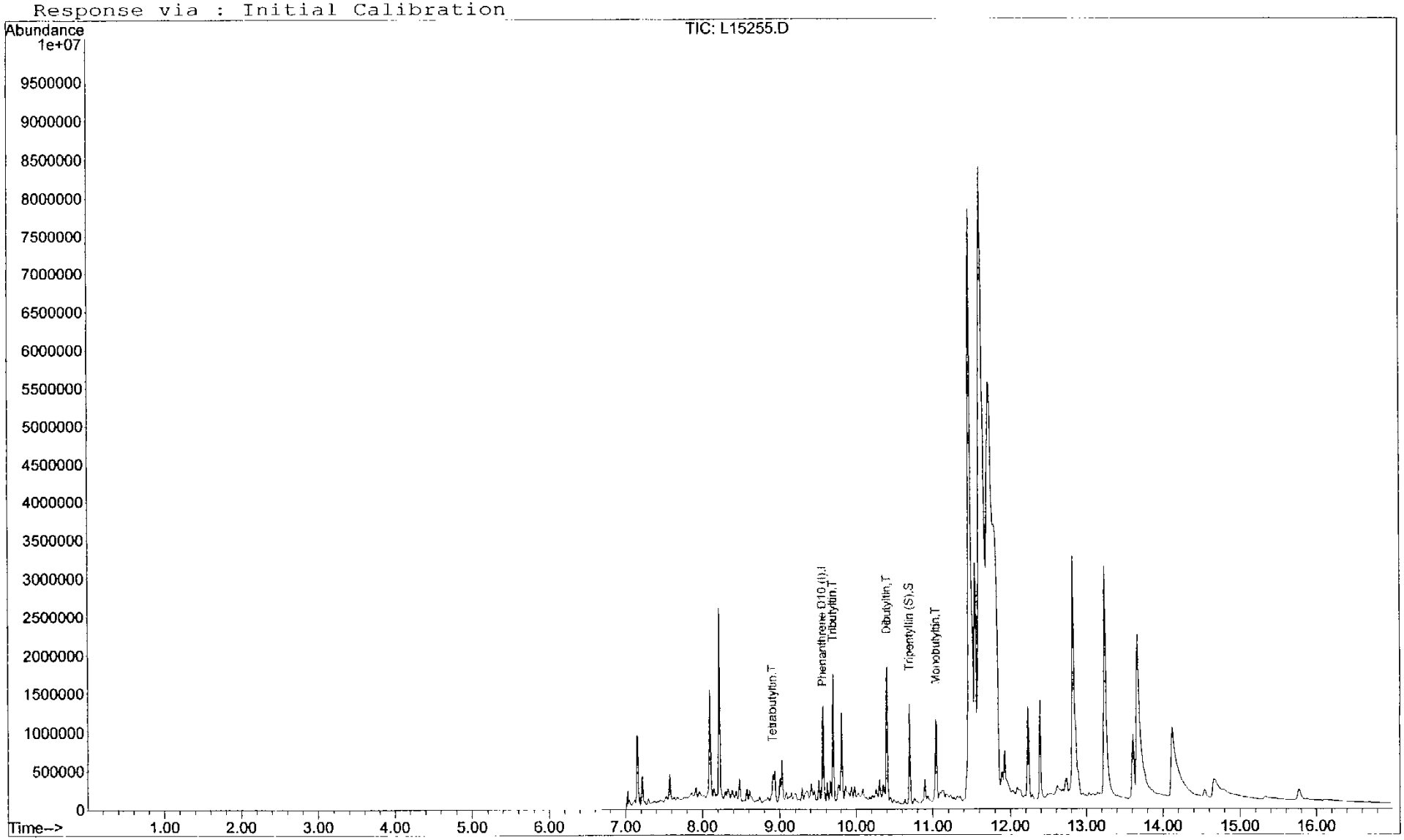
(#) = qualifier out of range (m) = manual integration (+) = signals summed

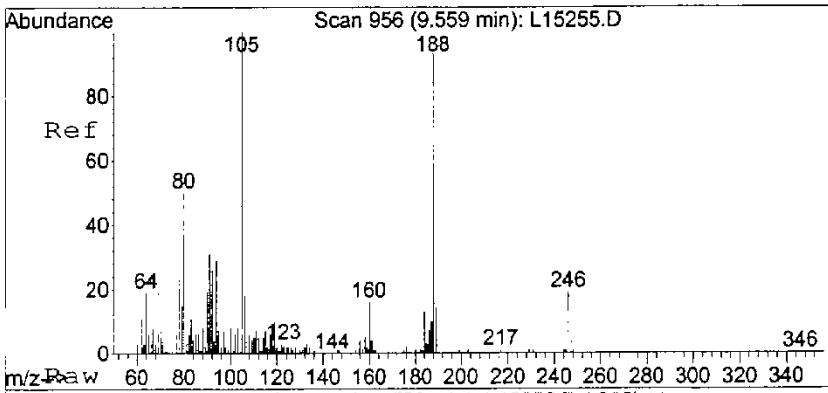
01180

Quantitation Report (Not Reviewed)

Data File : T:\DATA\02232005\L15255.D Vial: 0
Acq On : 23 Feb 2005 22:26 Operator:
Sample : WTN0210 BSD #1000 &2 WATER ORGTIN Inst :
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 24 14:08 2005 Quant Results File: ORGTIN02232005.RES

Method : T:\METHODS\ORGTIN02232005.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Thu Feb 24 13:30:28 2005
Response via : Initial Calibration

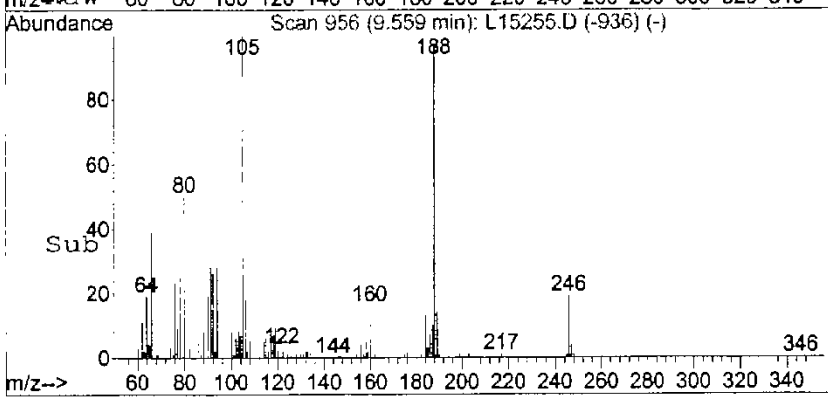


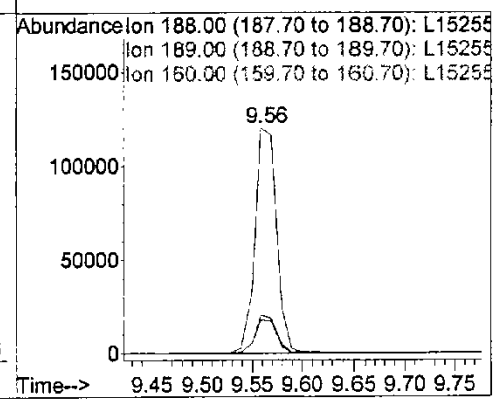


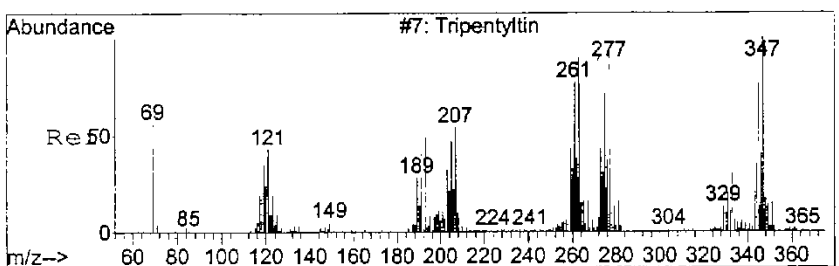
#1
Phenanthrene D10 (I)
Concen: 100.00 pg/ul
RT: 9.56 min Scan# 956
Delta R.T. -0.00 min
Lab File: L15255.D
Acq: 23 Feb 2005 22:26

Tgt Ion:188 Resp: 206063

Ion	Ratio	Lower	Upper
188	100		
189	13.7	7.6	17.8
160	14.7	8.2	19.2



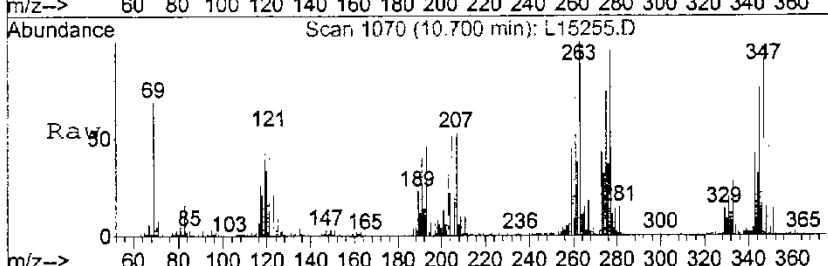


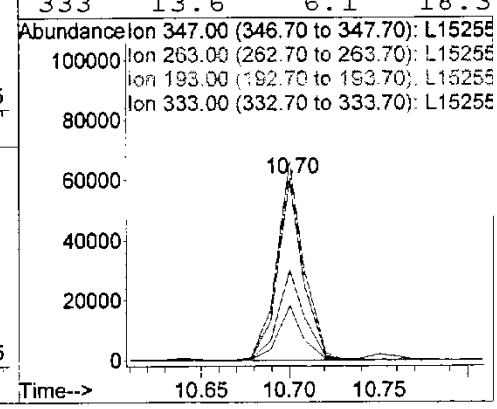


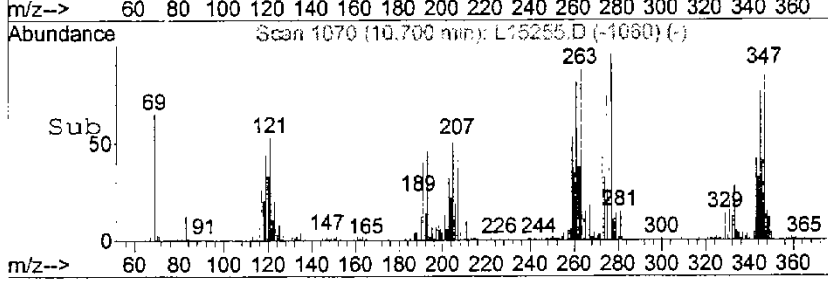
#2
Tripentyltin (S)
Concen: 63.09 PG/UL
RT: 10.70 min Scan# 1070
Delta R.T. 0.00 min
Lab File: L15255.D
Acq: 23 Feb 2005 22:26

Tgt Ion:347 Resp: 131275

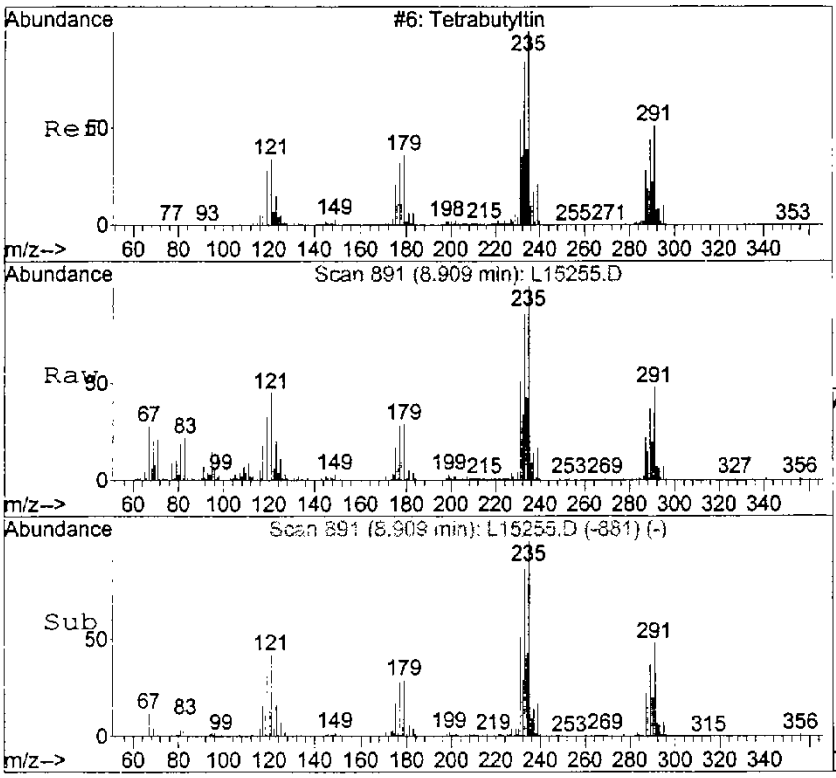
Ion	Ratio	Lower	Upper
347	100		
263	53.4	22.8	91.2
193	23.9	12.0	36.0
333	13.6	6.1	18.3







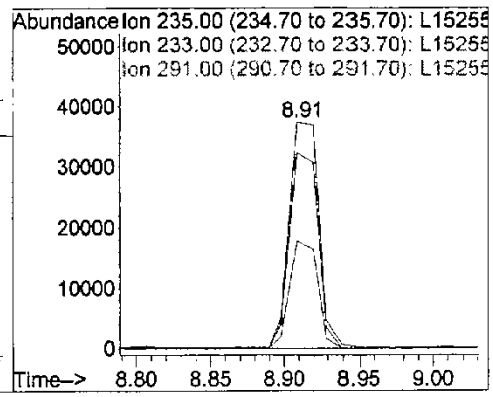
01182

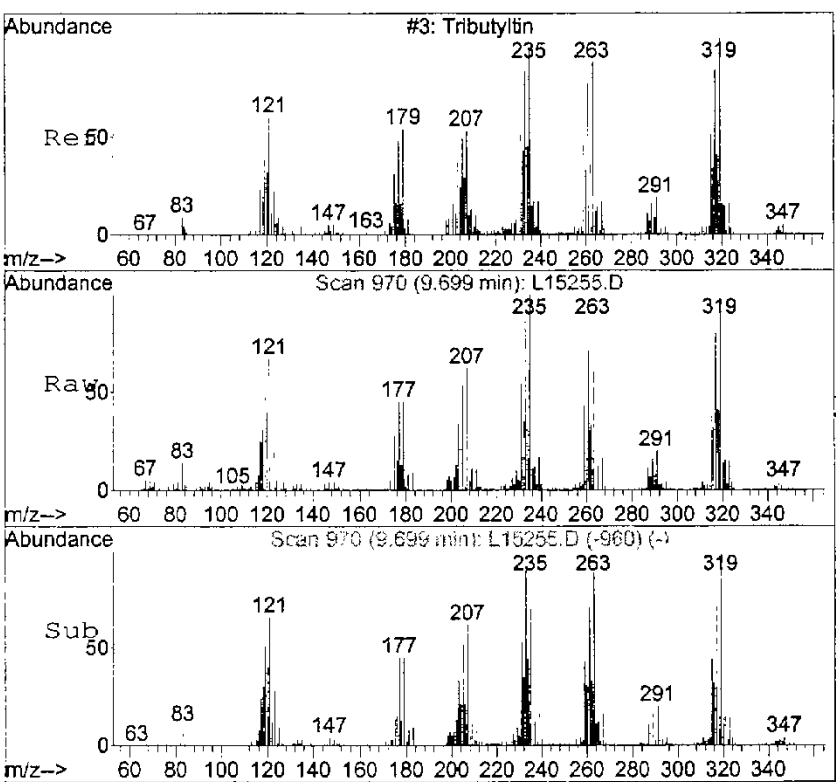


#3
Tetrabutyltin
Concen: 75.08 PG/UL
RT: 8.91 min Scan# 891
Delta R.T. 0.00 min
Lab File: L15255.D
Acq: 23 Feb 2005 22:26

Tgt Ion:235 Resp: 117210

Ion	Ratio	Lower	Upper
235	100		
233	36.2	37.5	69.7#
291	19.6	21.5	39.9#

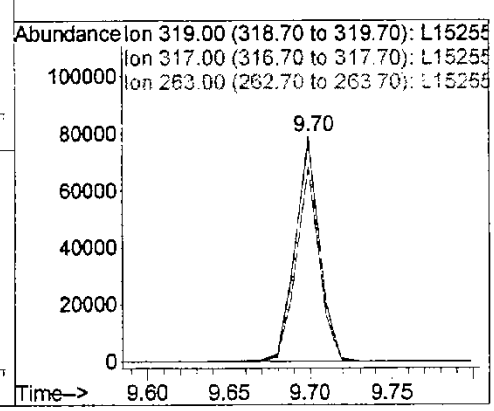




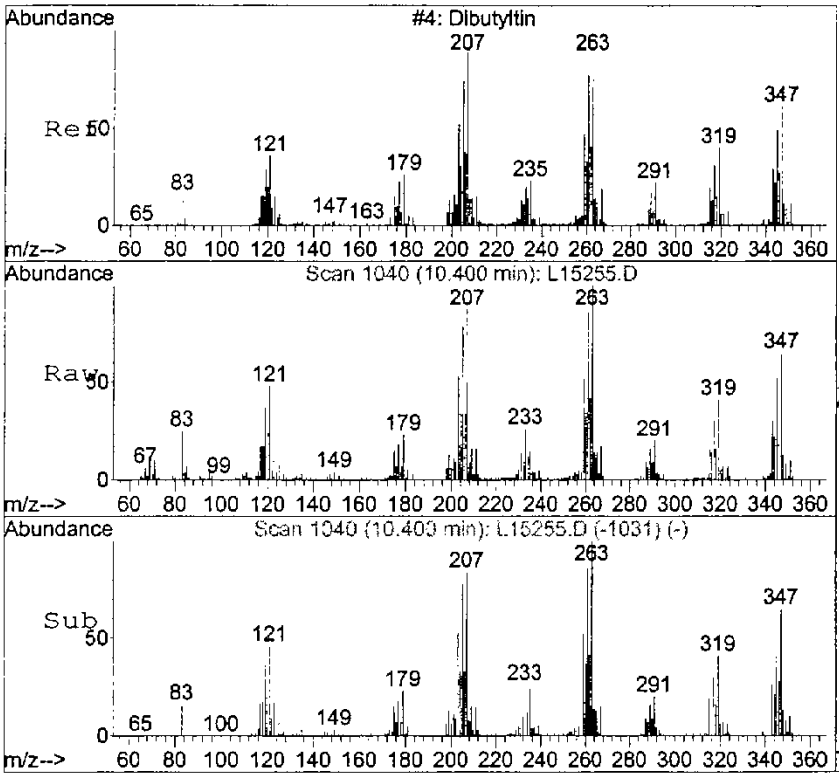
#4
Tributyltin
Concen: 59.96 PG/UL
RT: 9.70 min Scan# 970
Delta R.T. -0.00 min
Lab File: L15255.D
Acq: 23 Feb 2005 22:26

Tgt Ion:319 Resp: 144090

Ion	Ratio	Lower	Upper
319	100		
317	45.9	30.7	56.9
263	54.7	38.9	72.2



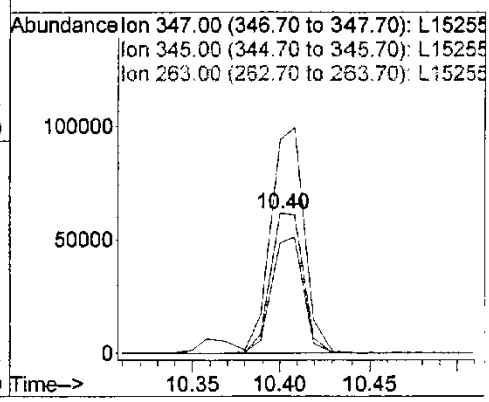
01183

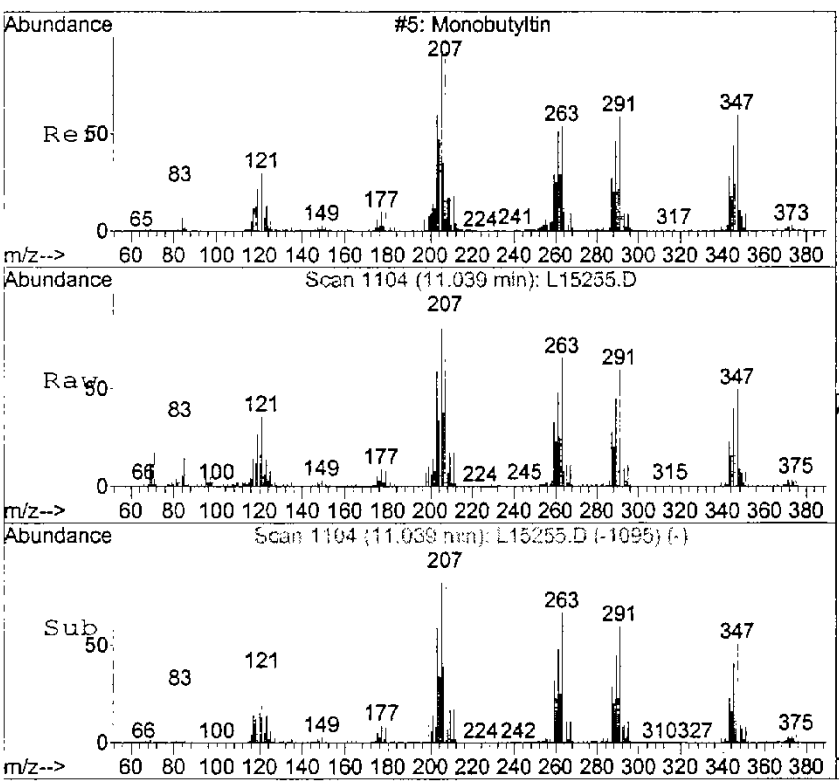


#5
Dibutyltin
Concen: 46.89 PG/UL
RT: 10.40 min Scan# 1040
Delta R.T. -0.01 min
Lab File: L15255.D
Acq: 23 Feb 2005 22:26

Tgt Ion:347 Resp: 229327

Ion	Ratio	Lower	Upper
347	100		
345	29.4	18.5	34.3
263	63.2	46.9	87.1

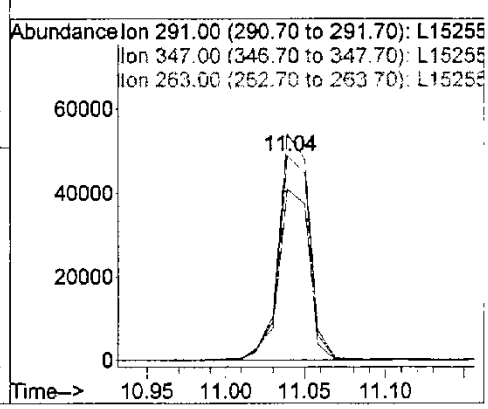




#6
Monobutyltin
Concen: 36.78 PG/UL
RT: 11.04 min Scan# 1104
Delta R.T. -0.01 min
Lab File: L15255.D
Acq: 23 Feb 2005 22:26

Tgt Ion:291 Resp: 125813

Ion	Ratio	Lower	Upper
291	100		
347	45.3	17.9	71.7
263	60.0	25.7	102.7



01184

MATIX SPIKE / MATRIX SPIKE DUPLICATE

Quantitation Report (Not Reviewed)

Data File : T:\DATA\02232005\L15243.D
Acq On : 23 Feb 2005 17:11
Sample : 126377-1 MS &20 SOIL ORGTIN
Misc :
MS Integration Params: rteint.p
Quant Time: Feb 24 13:31:38 2005

Vial: 0
Operator:
Inst :
Multiplr: 1.00

Quant Results File: ORGTIN02232005.RI

Quant Method : T:\METHODS\ORGTIN02232005.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Thu Feb 24 13:30:28 2005
Response via : Initial Calibration
DataAcq Meth :

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Phenanthrene D10 (I)	9.57	188	248327+	100.00	pg/ul	0.00
System Monitoring Compounds						
2) Tripentyltin (S)	10.70	347	149748+	59.72	PG/UL	0.00
Target Compounds						Qvalue
3) Tetrabutyltin	8.92	235	125922+	66.93	PG/UL	76
4) Tributyltin	9.70	319	189992+	65.60	PG/UL	96
5) Dibutyltin	10.41	347	233309+	39.59	PG/UL	98
6) Monobutyltin	11.05	291	67908+	16.47	PG/UL	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

01186

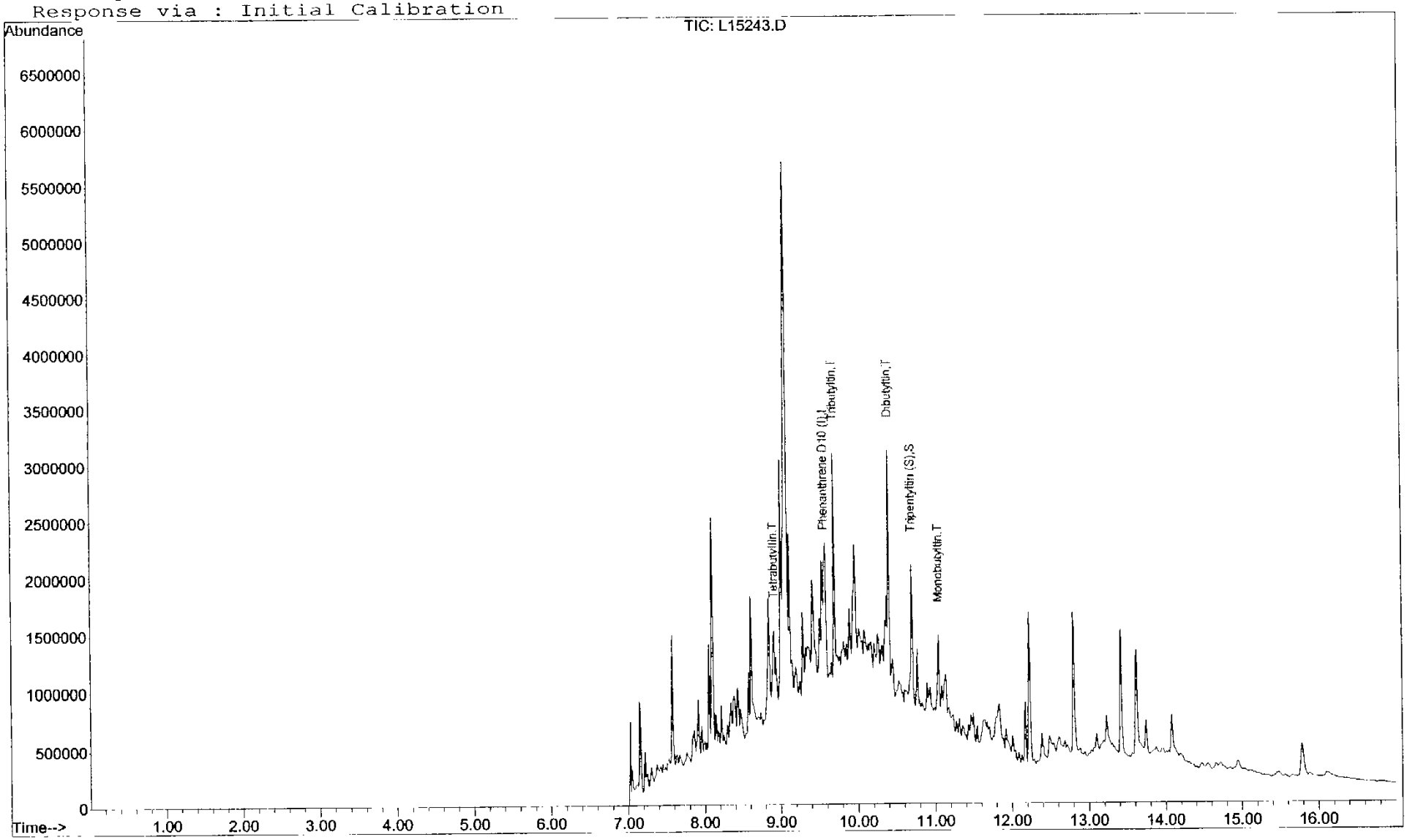
Quantitation Report (Not Reviewed)

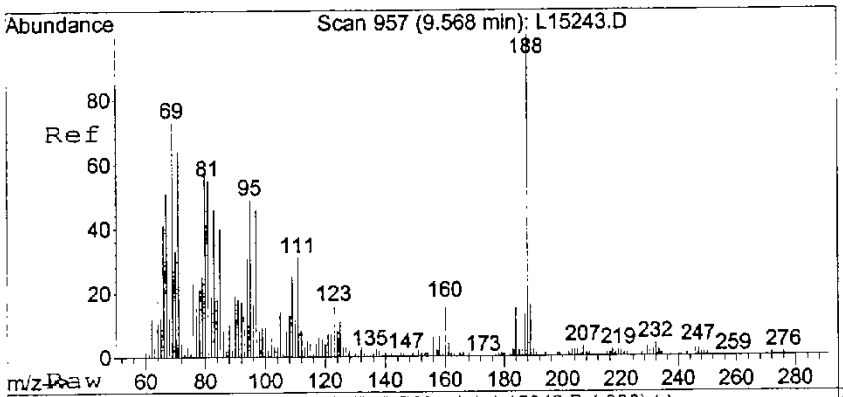
Data File : T:\DATA\02232005\L15243.D
Acq On : 23 Feb 2005 17:11
Sample : 126377-1 MS &20 SOIL ORGTIN
Misc :
MS Integration Params: rteint.p
Quant Time: Feb 24 13:31 2005

Vial: 0
Operator:
Inst :
Multiplr: 1.00

Quant Results File: ORGTIN02232005.RES

Method : T:\METHODS\ORGTIN02232005.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Thu Feb 24 13:30:28 2005
Response via : Initial Calibration

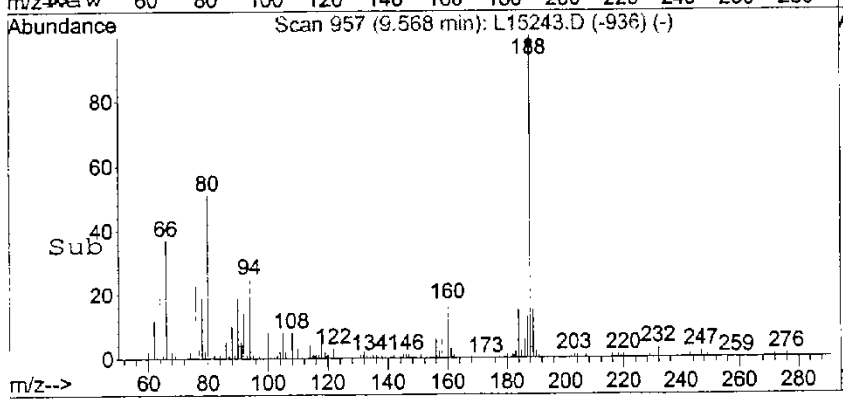


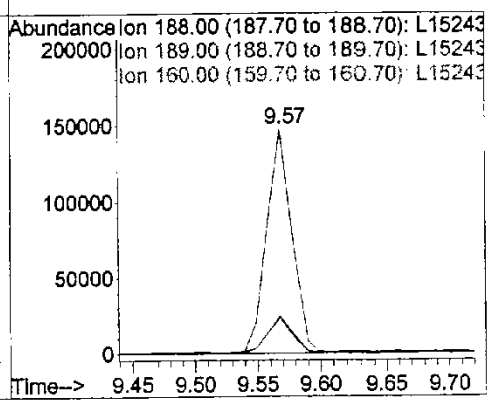


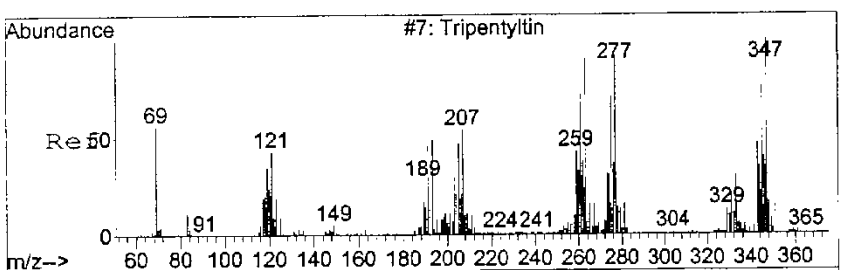
#1
Phenanthrene D10 (I)
Concen: 100.00 pg/ul
RT: 9.57 min Scan# 957
Delta R.T. 0.01 min
Lab File: L15243.D
Acq: 23 Feb 2005 17:11

Tgt Ion:188 Resp: 248327

Ion	Ratio	Lower	Upper
188	100		
189	15.0	7.6	17.8
160	14.8	8.2	19.2



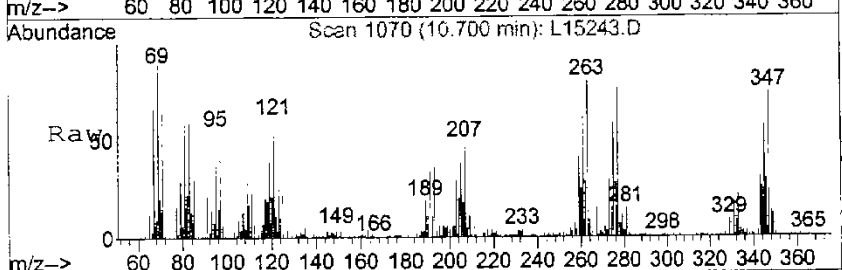


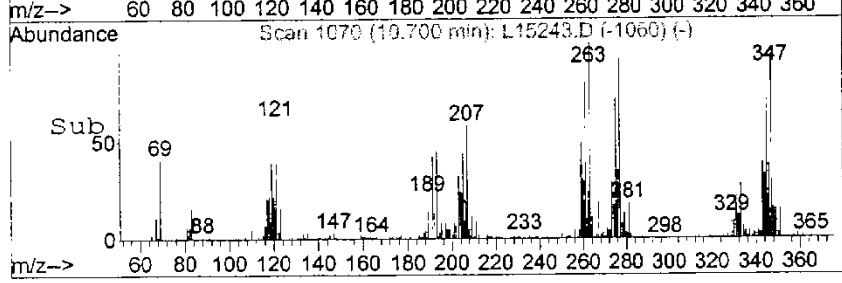


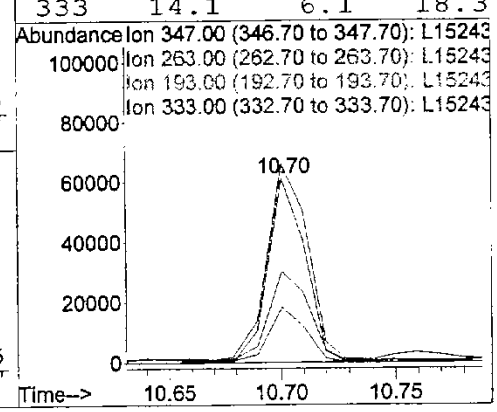
#2
Tripentyltin (S)
Concen: 59.72 PG/UL
RT: 10.70 min Scan# 1070
Delta R.T. 0.00 min
Lab File: L15243.D
Acq: 23 Feb 2005 17:11

Tgt Ion:347 Resp: 149748

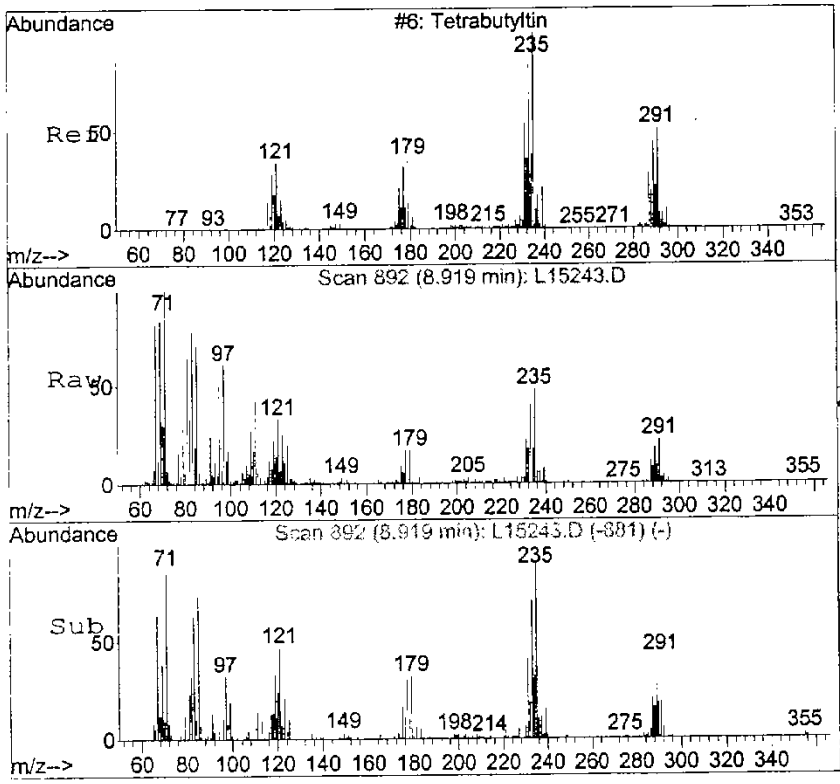
Ion	Ratio	Lower	Upper
347	100		
263	53.8	22.8	91.2
193	25.1	12.0	36.0
333	14.1	6.1	18.3







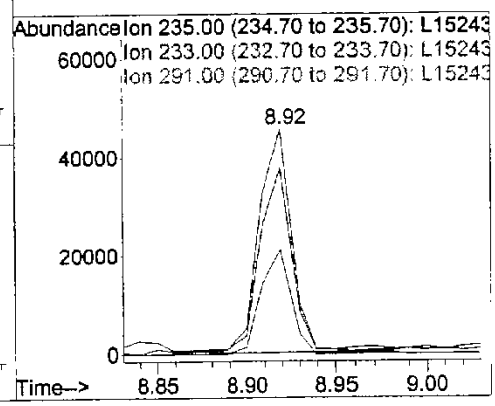
01188

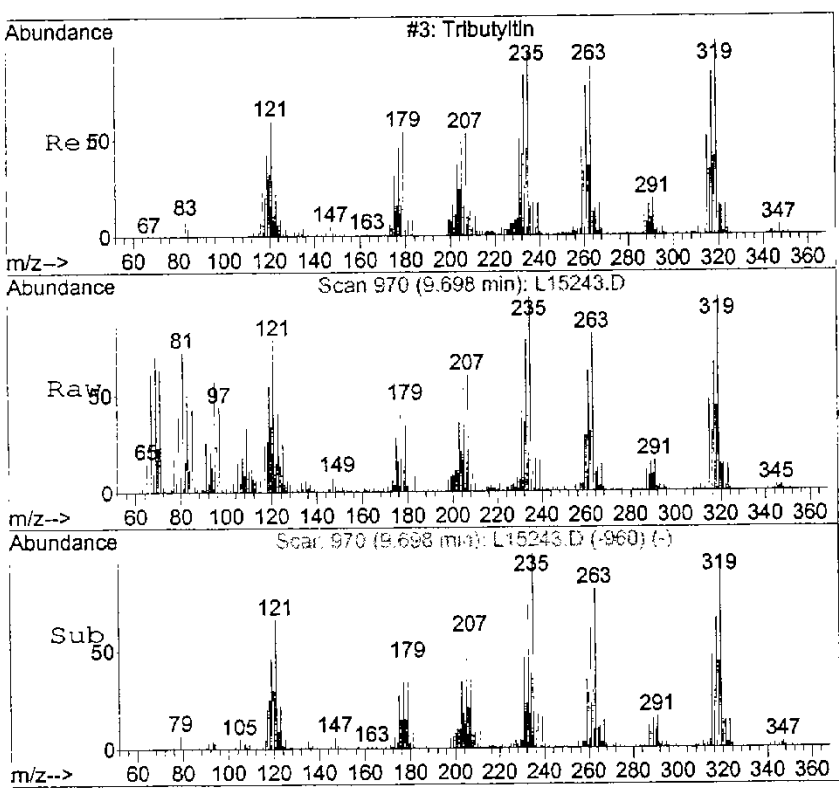


#3
Tetrabutyltin
Concen: 66.93 PG/UL
RT: 8.92 min Scan# 892
Delta R.T. 0.01 min
Lab File: L15243.D
Acq: 23 Feb 2005 17:11

Tgt Ion:235 Resp: 125922

Ion	Ratio	Lower	Upper
235	100		
233	35.3	37.5	69.7#
291	19.4	21.5	39.9#

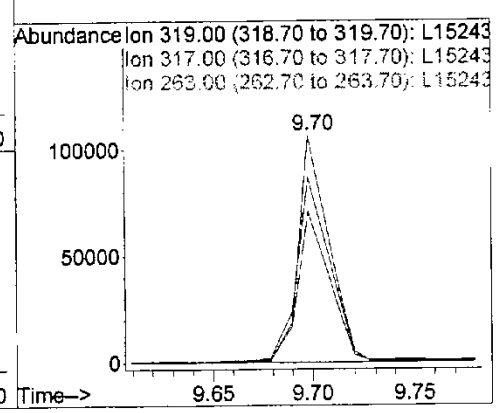




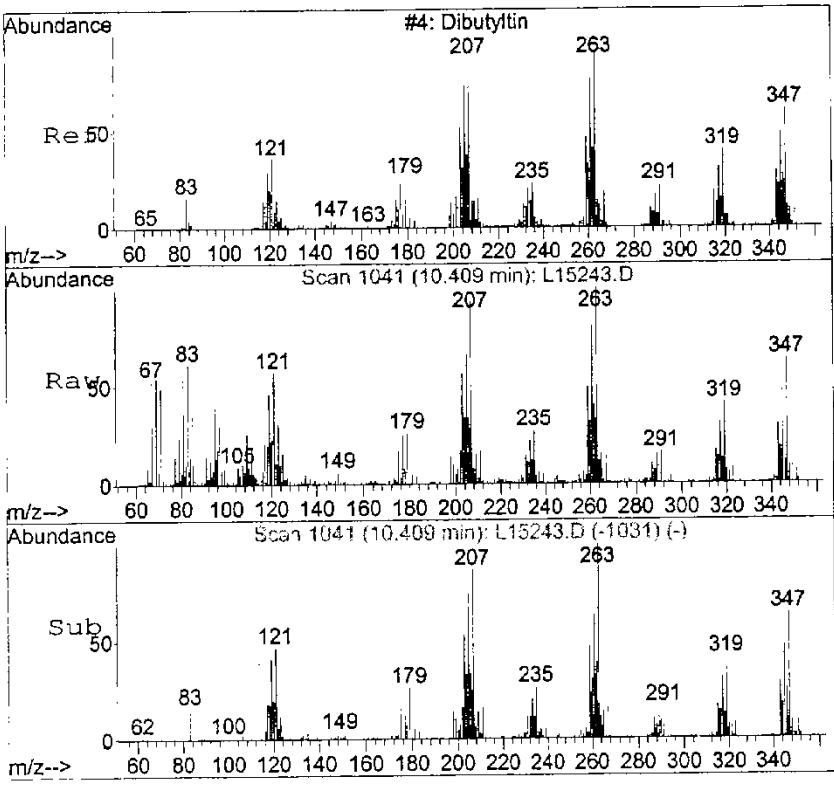
#4
Tributyltin
Concen: 65.60 PG/UL
RT: 9.70 min Scan# 970
Delta R.T. -0.00 min
Lab File: L15243.D
Acq: 23 Feb 2005 17:11

Tgt Ion:319 Resp: 189992

Ion	Ratio	Lower	Upper
319	100		
317	42.1	30.7	56.9
263	52.1	38.9	72.2



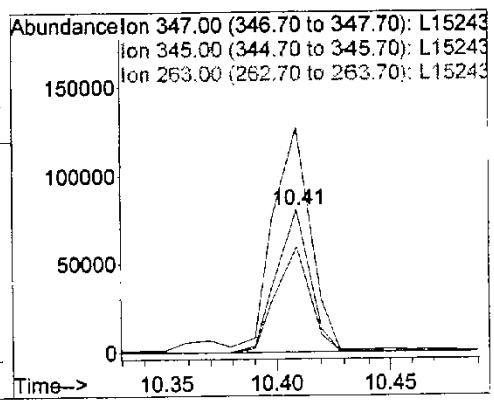
01189

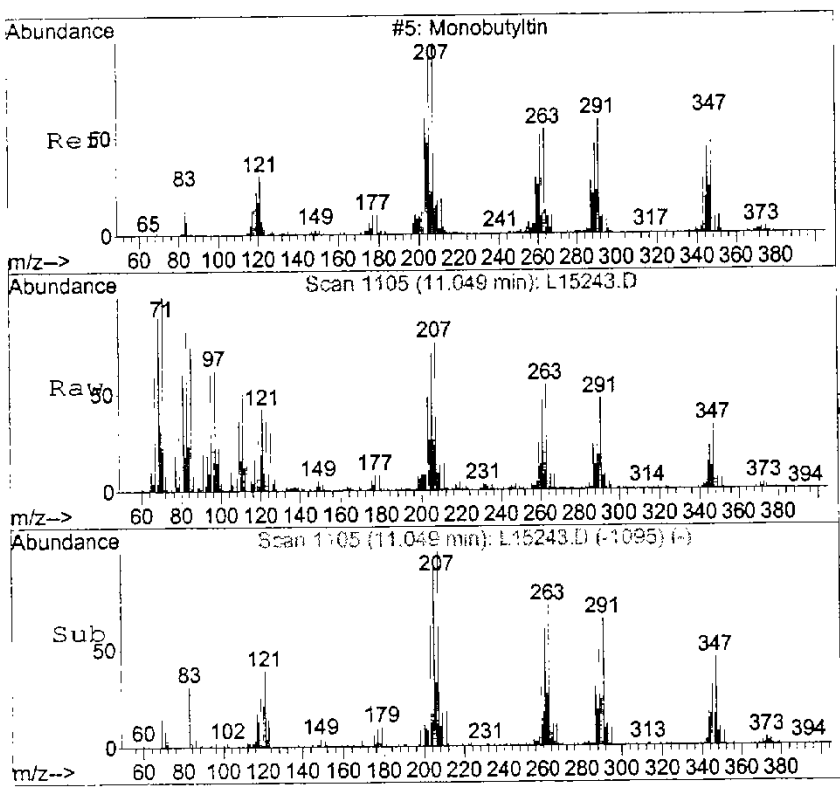


#5
Dibutyltin
Concen: 39.59 PG/UL
RT: 10.41 min Scan# 1041
Delta R.T. 0.00 min
Lab File: L15243.D
Acq: 23 Feb 2005 17:11

Tgt Ion:347 Resp: 233309

Ion	Ratio	Lower	Upper
347	100		
345	26.2	18.5	34.3
263	65.0	46.9	87.1

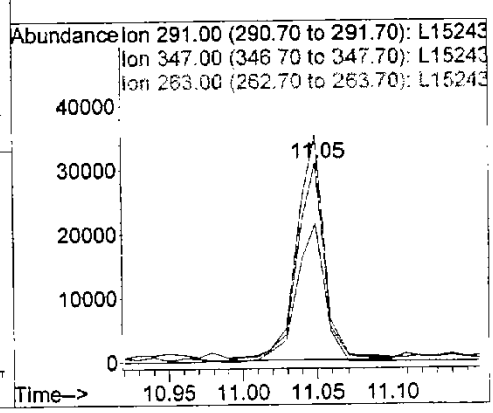




#6
Monobutyltin
Concen: 16.47 PG/UL
RT: 11.05 min Scan# 1105
Delta R.T. 0.00 min
Lab File: L15243.D
Acq: 23 Feb 2005 17:11

Tgt Ion:291 Resp: 67908

Ion	Ratio	Lower	Upper
291	100		
347	42.0	17.9	71.7
263	63.8	25.7	102.7



01190

Quantitation Report (Not Reviewed)

Data File : T:\DATA\02232005\L15244.D
Acq On : 23 Feb 2005 17:38
Sample : 126377-1 MSD &20 SOIL ORGTIN
Misc :
MS Integration Params: rteint.p
Quant Time: Feb 24 13:31:52 2005

Vial: 0
Operator:
Inst :
Multiplr: 1.00

Quant Results File: ORGTIN02232005.RE

Quant Method : T:\METHODS\ORGTIN02232005.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Thu Feb 24 13:30:28 2005
Response via : Initial Calibration
DataAcq Meth :

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Phenanthrene D10 (I)	9.57	188	262647+	100.00	pg/ul	0.00
System Monitoring Compounds						
2) Tripentyltin (S)	10.70	347	158710+	59.84	PG/UL	0.00
Target Compounds						Qvalue
3) Tetrabutyltin	8.92	235	129768+	65.21	PG/UL	75
4) Tributyltin	9.70	319	190685+	62.25	PG/UL	97
5) Dibutyltin	10.41	347	226656+	36.36	PG/UL	98
6) Monobutyltin	11.05	291	60991+	13.99	PG/UL	91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

01191

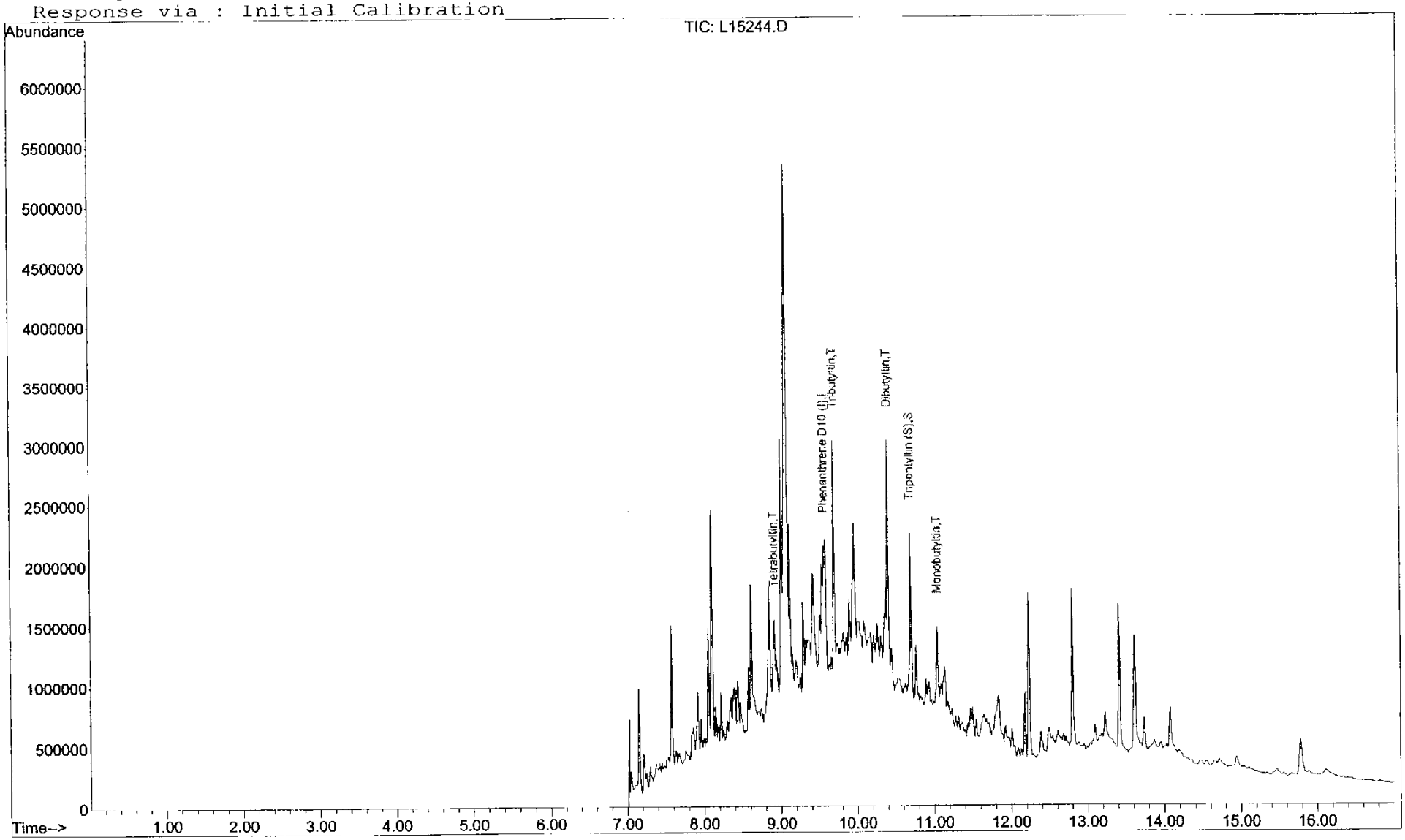
Quantitation Report (Not Reviewed)

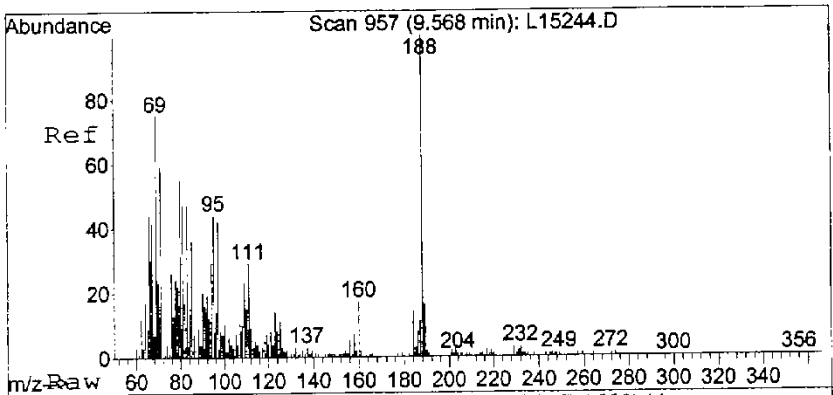
Data File : T:\DATA\02232005\L15244.D
Acq On : 23 Feb 2005 17:38
Sample : 126377-1 MSD &20 SOIL ORGTIN
Misc :
MS Integration Params: rteint.p
Quant Time: Feb 24 13:31 2005

Vial: 0
Operator:
Inst :
Multiplr: 1.00

Quant Results File: ORGTIN02232005.RES

Method : T:\METHODS\ORGTIN02232005.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Thu Feb 24 13:30:28 2005
Response via : Initial Calibration

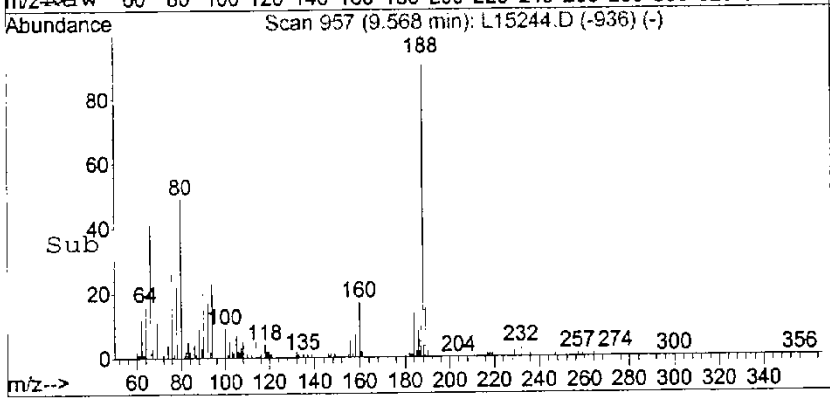


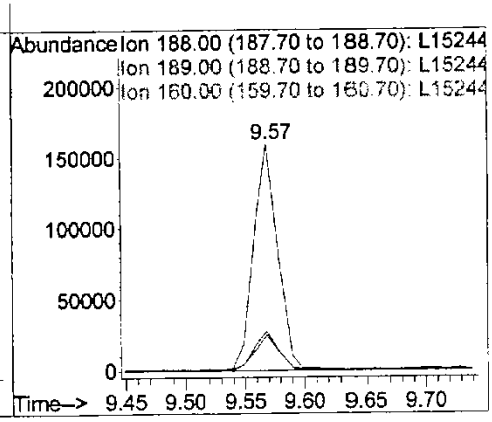


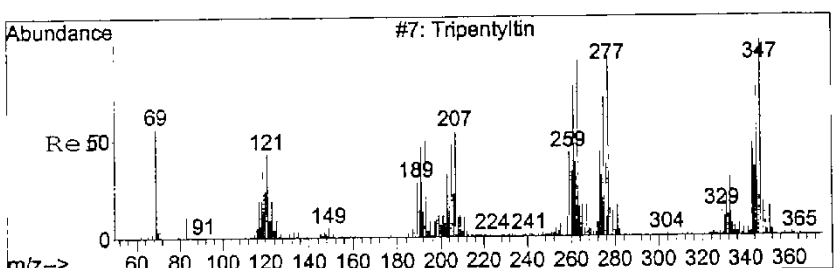
#1
Phenanthrene D10 (I)
Concen: 100.00 pg/ul
RT: 9.57 min Scan# 957
Delta R.T. 0.01 min
Lab File: L15244.D
Acq: 23 Feb 2005 17:38

Tgt Ion:188 Resp: 262647

Ion	Ratio	Lower	Upper
188	100		
189	13.7	7.6	17.8
160	15.8	8.2	19.2



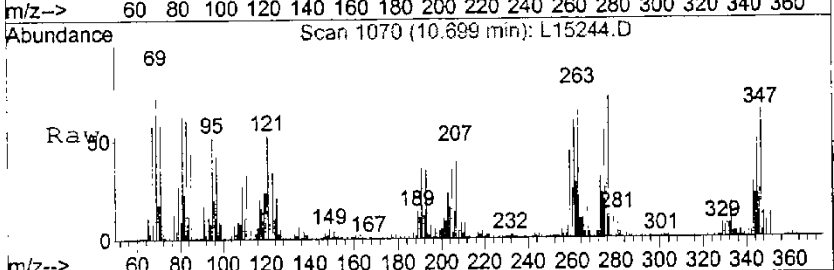


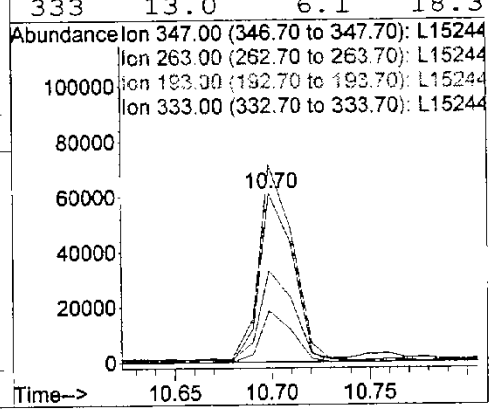


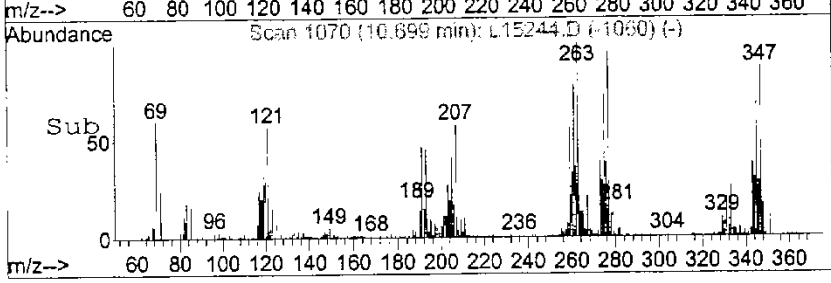
#2
Tripentyltin (S)
Concen: 59.84 PG/UL
RT: 10.70 min Scan# 1070
Delta R.T. -0.00 min
Lab File: L15244.D
Acq: 23 Feb 2005 17:38

Tgt Ion:347 Resp: 158710

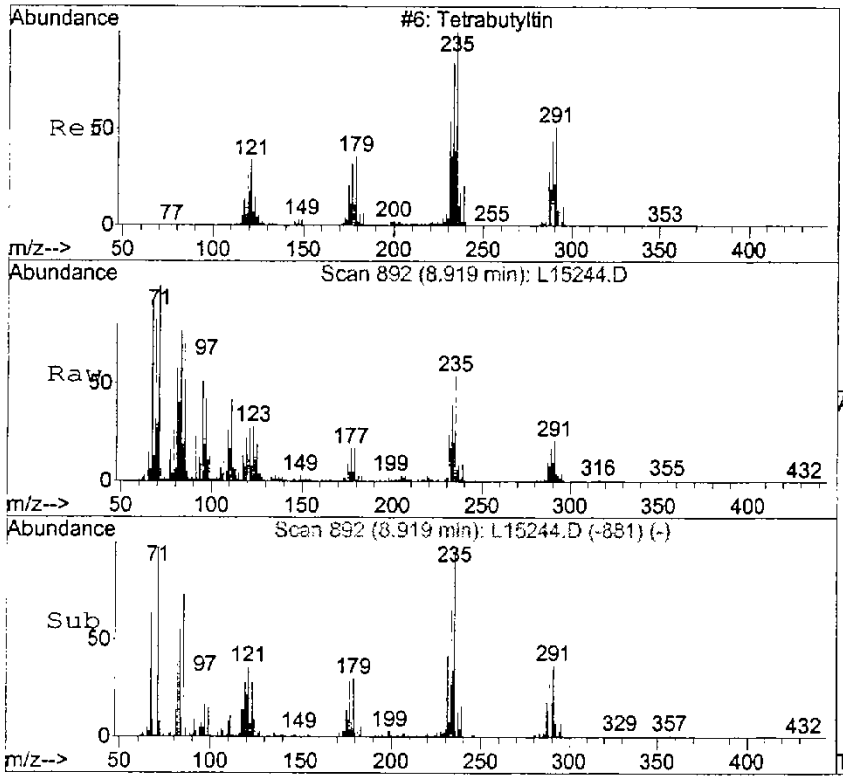
Ion	Ratio	Lower	Upper
347	100		
263	53.7	22.8	91.2
193	24.5	12.0	36.0
333	13.0	6.1	18.3







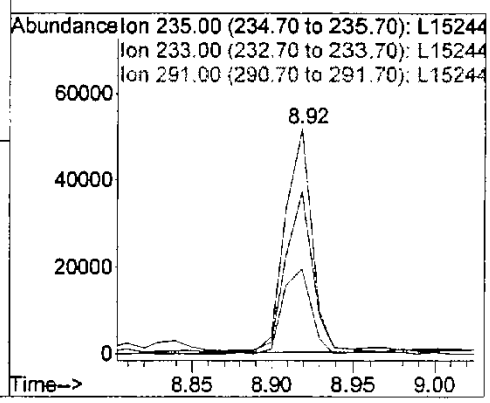
01193

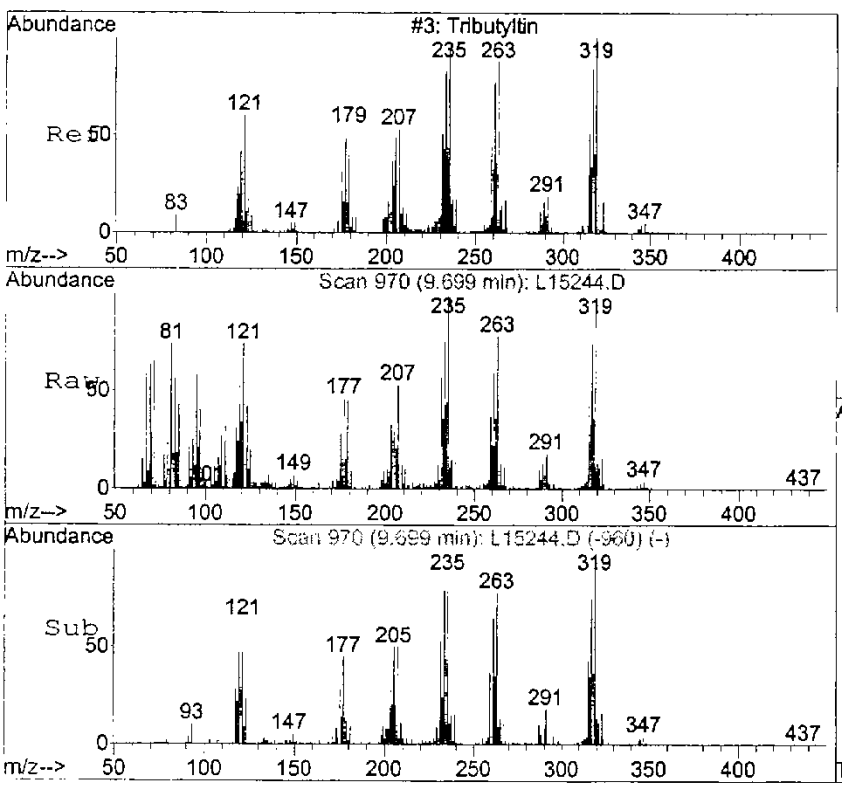


#3
Tetrabutyltin
Concen: 65.21 PG/UL
RT: 8.92 min Scan# 892
Delta R.T. 0.01 min
Lab File: L15244.D
Acq: 23 Feb 2005 17:38

Tgt Ion:235 Resp: 129768

Ion	Ratio	Lower	Upper
235	100		
233	33.1	37.5	69.7#
291	19.8	21.5	39.9#

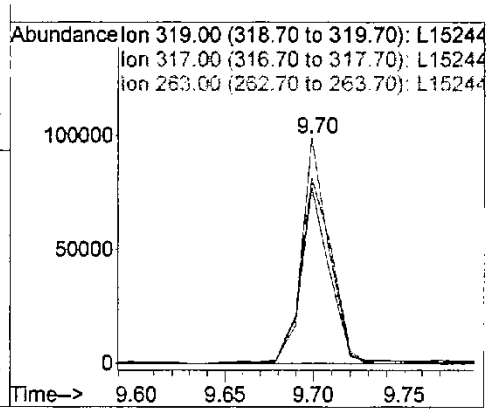




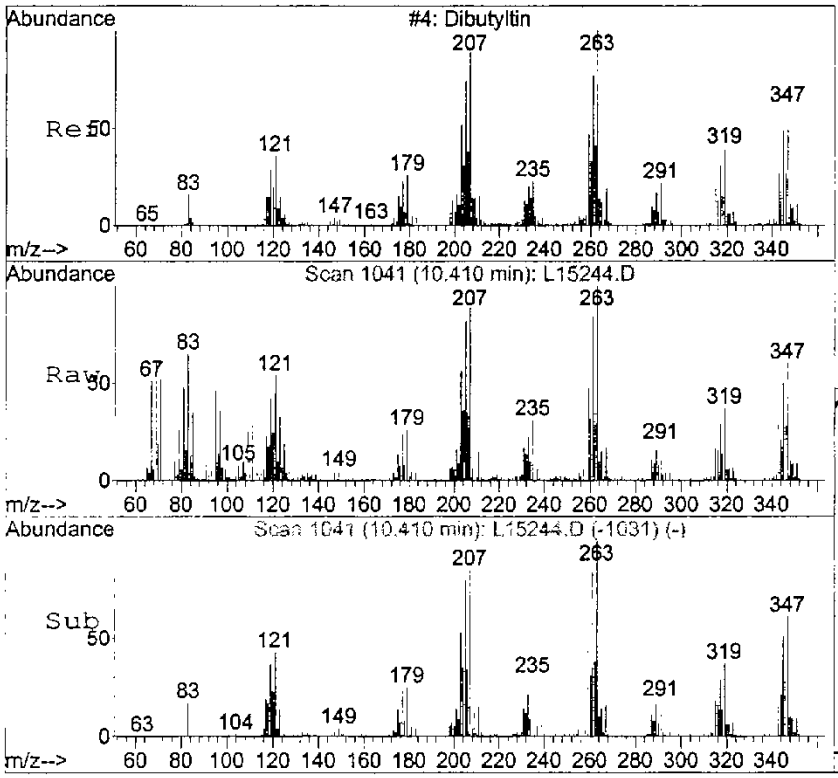
#4
Tributyltin
Concen: 62.25 PG/UL
RT: 9.70 min Scan# 970
Delta R.T. -0.00 min
Lab File: L15244.D
Acq: 23 Feb 2005 17:38

Tgt Ion:319 Resp: 190685

Ion	Ratio	Lower	Upper
319	100		
317	45.7	30.7	56.9
263	53.1	38.9	72.2



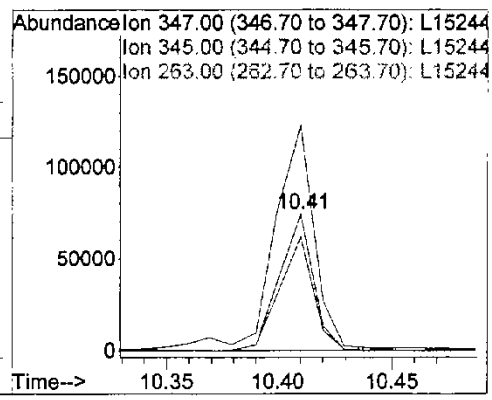
01194

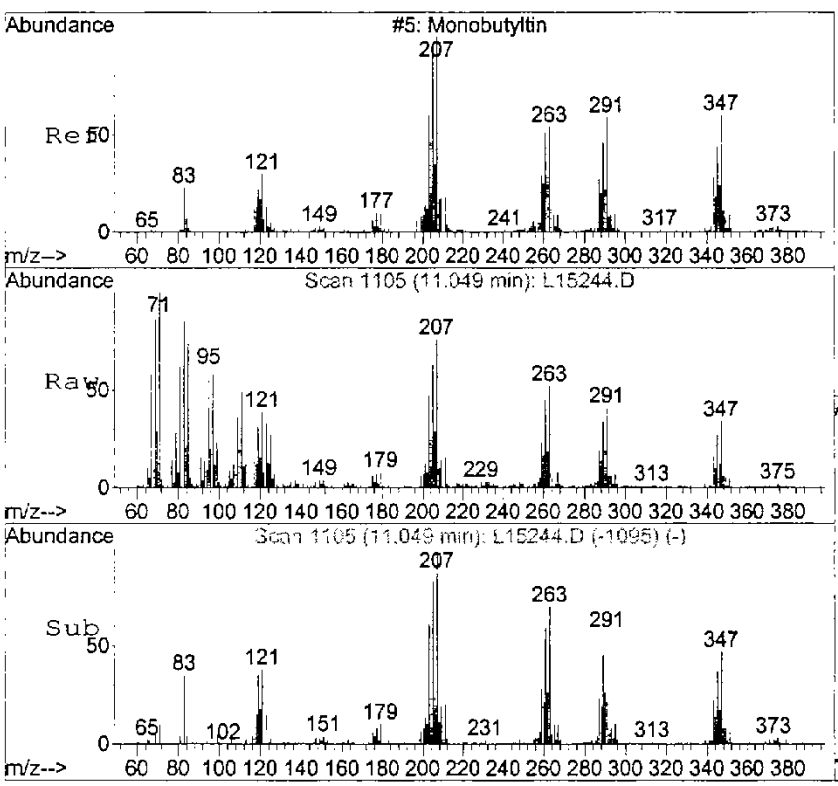


#5
Dibutyltin
Concen: 36.36 PG/UL
RT: 10.41 min Scan# 1041
Delta R.T. 0.00 min
Lab File: L15244.D
Acq: 23 Feb 2005 17:38

Tgt Ion:347 Resp: 226656

Ion	Ratio	Lower	Upper
347	100		
345	28.4	18.5	34.3
263	66.3	46.9	87.1

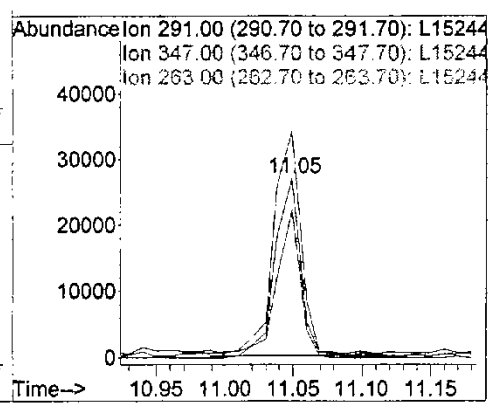




#6
Monobutyltin
Concen: 13.99 PG/UL
RT: 11.05 min Scan# 1105
Delta R.T. 0.00 min
Lab File: L15244.D
Acq: 23 Feb 2005 17:38

Tgt Ion:291 Resp: 60991

Ion	Ratio	Lower	Upper
291	100		
347	43.6	17.9	71.7
263	74.8	25.7	102.7



01195

LABORATORY WORKSHEETS

01196

Organotins Worksheet - total

QC Level:Tier IV w/ COE requirements

Matrix:solid

Parametrix, Inc.

Due: 03/02/05 | **Work Order - 126377**

Proj. Manager:Darla Powell

F.4

Special Instructions

~~5 day TAT~~ DP
Subbed TOC & Sulfide to STL Denver
Subbed Grain Size to STL Burlington
Subbed Dioxin to STL Sac

Proj. Spec. QC

Sample number 126377-1	Client Sample ID	0205-OS-VC-01
Sample Weight/Volume	Date Received	2/18/2005
	Date Sampled	**2/17/2005 1:45:00 PM**
Tributyltin only		

Sample number 126377-2	Client Sample ID	0205-OS-VC-02
Sample Weight/Volume	Date Received	2/18/2005
	Date Sampled	**2/17/2005 8:30:00 AM**
Tributyltin only		

Sample number 126377-3	Client Sample ID	0205-OS-VC-03
Sample Weight/Volume	Date Received	2/18/2005
	Date Sampled	**2/17/2005 9:45:00 AM**
Tributyltin only		

Sample number 126377-4	Client Sample ID	0205-OS-VC-03A
Sample Weight/Volume	Date Received	2/18/2005
	Date Sampled	**2/17/2005 9:45:00 AM**
Tributyltin only		

Sample number 126377-5	Client Sample ID	0205-OS-VC-04
Sample Weight/Volume	Date Received	2/18/2005
	Date Sampled	**2/17/2005 12:50:00 PM**
Tributyltin only		

Sample number 126377-6	Client Sample ID	0205-OS-VC-05
Sample Weight/Volume	Date Received	2/18/2005
	Date Sampled	**2/17/2005 10:50:00 AM**
Tributyltin only		

Sample number 126377-7	Client Sample ID	0205-OS-VC-06
Sample Weight/Volume	Date Received	2/18/2005
	Date Sampled	**2/17/2005 11:25:00 AM**
Tributyltin only		

See attached

Samples are: Low Level ☐ Small Volume ☐ Normal ☐

Analyst BKenn Date 02/24/05

Reviewed by Date

Organics worksheet v4.0
If you have suggestions for changes please bring them to me - Dennis

01197

Organotins Worksheet - total

QC Level:Tier IV	Due: 03/02/05
Matrix:solid	Work Order - 126377
Parametrix, Inc.	Proj. Manager:Darla Powell

Special Instructions

5 day TAT
Subbed TOC & Sulfide to STL Denver
Subbed Grain Size to STL Burlington
Subbed Dioxin to STL Sac

Sample number 126377-8

Sample Weight/Volume

Client Sample ID	0205-OS-VC-06Z
Date Received	2/18/2005
Date Sampled	**2/17/2005 11:20:00 AM**

Tributyltin only

Samples are: Low Level ☐ Small Volume ☐ Normal ☐

Analyst [illegible] Date 02/24/05

Reviewed by [illegible] Date [illegible]

Organics worksheet v4.0
If you have suggestions for changes please bring them to me - Dennis

01198

Printed - 2/21/2005

Organotins by GC\MS (PSEP) Protocol

QCBatch ID	STN0125				
Sample Matrix	Solid				
Surrogate Standard No.	979-37-4s				
Expiration Date	6/24/2005	Weighed By/Date 02/21/05 bh			
TBT Matrix Spike No.	979-37-5s	Extracted By/Date 02/21/05 bh			
Expiration Date	6/24/2005	Derivatized By/Date 02/21/05 bh			
Internal Standard No.	979-37-7				
Expiration Date	6/24/2005				
MeCl2 Lot Number	x48e16				
Na2SO4 Lot #		Spike Witness Signature/Date			
Extraction Method					

QC Sample Type	QC Identifier	Sample Weight (g)	Final Volume (ml)	Surr Spike (ul)	MS/BS spike amt (ul)
Method Blank	STN0125	15.0000	20	100	N/A
Duplicate	123759r1				N/A
Duplicate-2					N/A
Blank Spike	sSTN0125	15.0000	20	100	100
Blank Spike Duplicate	dSTN0125	15.0000	20	100	100
Matrix Spike	126377s1	16.1748	20	100	100
Matrix Spike Duplicate	126377d1	15.9834	20	100	100
Matrix Spike-2	124993s7				
Matrix Spike Duplicate-2	124993d7				

Sample	Client Sample ID	Sample Weight (g)	Final Volume (ml)	Surr Spike (ul)	Comments
126377-1	0205-OS-VC-01	18.2933	20	100	
126377-2	0205-OS-VC-02	18.5782	20	100	
126377-3	0205-OS-VC-03	18.4264	20	100	
126377-4	0205-OS-VC-03A	17.1563	20	100	
126377-5	0205-OS-VC-04	19.7992	20	100	
126377-6	0205-OS-VC-05	18.1974	20	100	
126377-7	0205-OS-VC-06	19.2050	20	100	
126377-8	0205-OS-VC-06Z	17.3320	20	100	

ORGANOTIN DERIVATIZATION LOG

Gringnard reagent made at STL 12/01/03 expires 12/01/04
Magnesium metal lot no. 5922 Mallinkrodt -- 30 grams
1-Bromohexane lot no. 21511HB Aldrich -- 140.37 ml
Ethyl Ether Lot no. 020255-15 Fischer-- 500 ml

Amount added to extract: 250 ul
Date Derivatized: 02/21/05
Analyst: [illegible]

01199

STL Seattle

6a **Sample Information**

Client Name	**Parametrix, Inc.**
Work Order Number	**126377**
Sample Number	**1**
Batch QC ID	**STN0125**
Client Sample ID	**0205-OS-VC-01**
Date Received	**02-18-05**
Date Prepared	**02-21-05**
Date Analyzed	**02-23-05**
Sample matrix type	**solid**
QC sample type	**sample**

Related Blank: STN0125

Sample weight (g)	**18.2933**	=	0.01829 /kg	Calc. Fact.	1.953710602
Extract volume (ml)	**20**	=	20 ml	Dry Weight	10.23693068 g
Dilution Factor		=	1	Sample Units	ug/kg
% Solids	**55.96**	=	0.5596	Spike Factor	97.68553009
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	20
Report in PPM		=	1		
mg/kg Carbon		=	1		

	Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	Tripentyltin	66.385		117	OK	46	173
				-	-		
				-	-		
				-	-		
				-	-		
				-	-		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL

01200

STL Seattle

6a **Sample Information**

Client Name	**Parametrix, Inc.**
Work Order Number	**126377**
Sample Number	**2**
Batch QC ID	**STN0125**
Client Sample ID	**0205-OS-VC-02**
Date Received	**02-18-05**
Date Prepared	**02-21-05**
Date Analyzed	**02-23-05**
Sample matrix type	**solid**
QC sample type	**sample**

Related Blank: STN0125

Sample weight (g)	**18.5782**	=	0.01858 /kg	Calc. Fact.	1.503114434
Extract volume (ml)	**20**	=	20 ml	Dry Weight	13.30570684 g
Dilution Factor		=	1	Sample Units	ug/kg
% Solids	**71.62**	=	0.7162	Spike Factor	75.15572168
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	20
Report in PPM		=	1		
mg/kg Carbon		=	1		

	Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	Tripentyltin	60.635		107	OK	46	173
				-	-		
				-	-		
				-	-		
				-	-		
				-	-		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Tributyltin	43.0716			64.7		3.01
	Dibutyltin	0.6581			0.989	J	2.25
	Monobutyltin	1.3363			2.01		1.5

STL Seattle

6a **Sample Information**

Client Name	**Parametrix, Inc.**
Work Order Number	**126377**
Sample Number	**3**
Batch QC ID	**STN0125**
Client Sample ID	**0205-OS-VC-03**
Date Received	**02-18-05**
Date Prepared	**02-21-05**
Date Analyzed	**02-23-05**
Sample matrix type	**solid**
QC sample type	**sample**

Related Blank: STN0125

Sample weight (g)	**18.4264**	=	0.01843 /kg	Calc. Fact.	1.635129873
Extract volume (ml)	**20**	=	20 ml	Dry Weight	12.23144432 g
Dilution Factor		=	1	Sample Units	ug/kg
% Solids	**66.38**	=	0.6638	Spike Factor	81.75649366
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	20
Report in PPM		=	1		
mg/kg Carbon		=	1		

	Surrogate	**Quan Value**	**User Flags**	**% Rec.**	**Warning**	**Water Low**	**Water High**
x	Tripentyltin	64.909		114	**OK**	46	173
				-	-		
				-	-		
				-	-		
				-	-		
				-	-		

x	**Target Analytes**	**Quan Value**	**User Flag**	**Blank**	**Calculated Amount**	**Total Flags**	**PQL**

01202

STL Seattle

6a **Sample Information**

Client Name	**Parametrix, Inc.**
Work Order Number	**126377**
Sample Number	**4**
Batch QC ID	**STN0125**
Client Sample ID	**0205-OS-VC-03A**
Date Received	**02-18-05**
Date Prepared	**02-21-05**
Date Analyzed	**02-23-05**
Sample matrix type	**solid**
QC sample type	**sample**

Related Blank: STN0125

Sample weight (g)	**17.1563**	=	0.01716 /kg	Calc. Fact.	1.754594405
Extract volume (ml)	**20**	=	20 ml	Dry Weight	11.39864572 g
Dilution Factor		=	1	Sample Units	ug/kg
% Solids	**66.44**	=	0.6644	Spike Factor	87.72972023
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	20
Report in PPM		=	1		
mg/kg Carbon		=	1		

	Surrogate	**Quan Value**	**User Flags**	**% Rec.**	**Warning**	**Water Low**	**Water High**
x	Tripentyltin	71.8777		127	**OK**	46	173
				-	-		
				-	-		
				-	-		
				-	-		
				-	-		

x	**Target Analytes**	**Quan Value**	**User Flag**	**Blank**	**Calculated Amount**	**Total Flags**	**PQL**
	Monobutyltin	1.4906			2.62		1.75

01203

STL Seattle

6a **Sample Information**

Client Name	**Parametrix, Inc.**
Work Order Number	**126377**
Sample Number	**5**
Batch QC ID	**STN0125**
Client Sample ID	**0205-OS-VC-04**
Date Received	**02-18-05**
Date Prepared	**02-21-05**
Date Analyzed	**02-23-05**
Sample matrix type	**solid**
QC sample type	**sample**

Related Blank: STN0125

Sample weight (g)	**19.7992**	=	0.0198 /kg	Calc. Fact.	1.437924305
Extract volume (ml)	**20**	=	20 ml	Dry Weight	13.908938 g
Dilution Factor		=	1	Sample Units	ug/kg
% Solids	**70.25**	=	0.7025	Spike Factor	71.89621523
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	20
Report in PPM		=	1		
mg/kg Carbon		=	1		

	Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	Tripentyltin	66.2364		117	OK	46	173
				-	-		
				-	-		
				-	-		
				-	-		
				-	-		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
	Monobutyltin	1.3989			2.01		1.44

01204

STL Seattle

6a **Sample Information**

Client Name	**Parametrix, Inc.**
Work Order Number	**126377**
Sample Number	**6**
Batch QC ID	**STN0125**
Client Sample ID	**0205-OS-VC-05**
Date Received	**02-18-05**
Date Prepared	**02-21-05**
Date Analyzed	**02-23-05**
Sample matrix type	**solid**
QC sample type	**sample**

Related Blank: STN0125

Sample weight (g)	**18.1974**	=	0.0182 /kg	Calc. Fact.	1.287254752
Extract volume (ml)	**20**	=	20 ml	Dry Weight	15.53694012 g
Dilution Factor		=	1	Sample Units	ug/kg
% Solids	**85.38**	=	0.8538	Spike Factor	64.3627376
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	20
Report in PPM		=	1		
mg/kg Carbon		=	1		

	Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	Tripentyltin	58.5897		103	OK	46	173
				-	-		
				-	-		
				-	-		
				-	-		
				-	-		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
	Monobutyltin	1.4253			1.83		1.29

01205

STL Seattle

6a **Sample Information**

Client Name	**Parametrix, Inc.**
Work Order Number	**126377**
Sample Number	**7**
Batch QC ID	**STN0125**
Client Sample ID	**0205-OS-VC-06**
Date Received	**02-18-05**
Date Prepared	**02-21-05**
Date Analyzed	**02-23-05**
Sample matrix type	**solid**
QC sample type	**sample**

Related Blank: STN0125

Sample weight (g)	**19.205**	=	0.01921 /kg	Calc. Fact.	1.739137391
Extract volume (ml)	**20**	=	20 ml	Dry Weight	11.499954 g
Dilution Factor		=	1	Sample Units	ug/kg
% Solids	**59.88**	=	0.5988	Spike Factor	86.95686957
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	20
Report in PPM		=	1		
mg/kg Carbon		=	1		

	Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	Tripentyltin	66.3072		117	OK	46	173
				-	-		
				-	-		
				-	-		
				-	-		
				-	-		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL

01206

STL Seattle

6a **Sample Information**

Client Name	**Parametrix, Inc.**
Work Order Number	**126377**
Sample Number	**8**
Batch QC ID	**STN0125**
Client Sample ID	**0205-OS-VC-06Z**
Date Received	**02-18-05**
Date Prepared	**02-21-05**
Date Analyzed	**02-23-05**
Sample matrix type	**solid**
QC sample type	**sample**

Related Blank: STN0125

Sample weight (g)	**17.332**	=	0.01733 /kg	Calc. Fact.	1.994701673
Extract volume (ml)	**20**	=	20 ml	Dry Weight	10.026562 g
Dilution Factor		=	1	Sample Units	ug/kg
% Solids	**57.85**	=	0.5785	Spike Factor	99.73508367
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	20
Report in PPM		=	1		
mg/kg Carbon		=	1		

	Surrogate	**Quan Value**	**User Flags**	**% Rec.**	**Warning**	**Water Low**	**Water High**
x	Tripentyltin	63.8631		113	**OK**	46	173
				-	-		
				-	-		
				-	-		
				-	-		
				-	-		

x	**Target Analytes**	**Quan Value**	**User Flag**	**Blank**	**Calculated Amount**	**Total Flags**	**PQL**
x	Tributyltin	1.3534			2.7	J	3.99
	Dibutyltin	1.743			3.48		2.99
	Monobutyltin	1.3227			2.64		1.99

STL Seattle

6a **Sample Information**

Client Name	
Work Order Number	
Sample Number	
Batch QC ID	**STN0125**
Client Sample ID	
Date Received	
Date Prepared	**02-21-05**
Date Analyzed	**02-23-05**
Sample matrix type	**solid**
QC sample type	**blank**

Related Blank: noblank

Sample weight (g)	**15**	=	0.015 /kg	Calc. Fact.	1.333333333
Extract volume (ml)	**20**	=	20 ml	Dry Weight	15 g
Dilution Factor		=	1	Sample Units	ug/kg
% Solids		=	1	Spike Factor	66.66666667
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	20
Report in PPM		=	1		
mg/kg Carbon		=	1		

	Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	Tripentyltin	67.5534		119	OK	46	173
				-	-		
				-	-		
				-	-		
				-	-		
				-	-		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL

01208

STL Seattle

6a **Sample Information**

Client Name	
Work Order Number	
Sample Number	
Batch QC ID	**STN0125**
Client Sample ID	
Date Received	
Date Prepared	**02-21-05**
Date Analyzed	**02-23-05**
Sample matrix type	**solid**
QC sample type	**bs**

Related Blank: STN0125

Sample weight (g)	**15**	=	0.015 /kg	Calc. Fact.	1.333333333
Extract volume (ml)	**20**	=	20 ml	Dry Weight	15 g
Dilution Factor		=	1	Sample Units	ug/kg
% Solids		=	1	Spike Factor	66.66666667
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	20
Report in PPM		=	1		
mg/kg Carbon		=	1		

	Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	Tripentyltin	72.4481		128	OK	46	173
				-	-		
				-	-		
				-	-		
				-	-		
				-	-		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
	Tetrabutyltin	77.8089			104		2
x	Tributyltin	64.7836			86.4		2.67
	Dibutyltin	47.2723			63		2
	Monobutyltin	34.0999			45.5		1.33

01209

STL Seattle

6a **Sample Information**

Client Name	
Work Order Number	
Sample Number	Related Blank: STN0125
Batch QC ID	**STN0125**
Client Sample ID	
Date Received	
Date Prepared	**02-21-05**
Date Analyzed	**02-23-05**
Sample matrix type	**solid**
QC sample type	**bsd**

Sample weight (g)	**15**	=	0.015 /kg	Calc. Fact.	1.333333333
Extract volume (ml)	**20**	=	20 ml	Dry Weight	15 g
Dilution Factor		=	1	Sample Units	ug/kg
% Solids		=	1	Spike Factor	66.66666667
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	20
Report in PPM		=	1		
mg/kg Carbon		=	1		

	Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	Tripentyltin	59.9653		106	OK	46	173
				-	-		
				-	-		
				-	-		
				-	-		
				-	-		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
	Tetrabutyltin	73.5426			98.1		2
x	Tributyltin	59.9813			80		2.67
	Dibutyltin	42.1606			56.2		2
	Monobutyltin	32.6704			43.6		1.33

STL Seattle

6a **Sample Information**

Client Name	**Parametrix, Inc.**
Work Order Number	**126377**
Sample Number	**1**
Batch QC ID	**STN0125**
Client Sample ID	**0205-OS-VC-01**
Date Received	**02-18-05**
Date Prepared	**02-21-05**
Date Analyzed	**02-23-05**
Sample matrix type	**solid**
QC sample type	**ms**

Related Blank: STN0125

Sample weight (g)	**16.1748**	=	0.01617 /kg	Calc. Fact.	2.209598521
Extract volume (ml)	**20**	=	20 ml	Dry Weight	9.05141808 g
Dilution Factor		=	1	Sample Units	ug/kg
% Solids	**55.96**	=	0.5596	Spike Factor	110.479926
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	20
Report in PPM		=	1		
mg/kg Carbon		=	1		

	Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	Tripentyltin	59.7158		105	OK	46	173
				-	-		
				-	-		
				-	-		
				-	-		
				-	-		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
	Tetrabutyltin	66.9287			148		3.31
x	Tributyltin	65.6006			145		4.42
	Dibutyltin	39.5893			87.5		3.31
	Monobutyltin	16.4715			36.4		2.21

STL Seattle

6a **Sample Information**

Client Name	**Parametrix, Inc.**
Work Order Number	**126377**
Sample Number	**1**
Batch QC ID	**STN0125**
Client Sample ID	**0205-OS-VC-01**
Date Received	**02-18-05**
Date Prepared	**02-21-05**
Date Analyzed	**02-23-05**
Sample matrix type	**solid**
QC sample type	**msd**

Related Blank: STN0125

Sample weight (g)	**15.9834**	=	0.01598 /kg	Calc. Fact.	2.236058295
Extract volume (ml)	**20**	=	20 ml	Dry Weight	8.94431064 g
Dilution Factor		=	1	Sample Units	ug/kg
% Solids	**55.96**	=	0.5596	Spike Factor	111.8029148
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	20
Report in PPM		=	1		
mg/kg Carbon		=	1		

	Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	Tripentyltin	59.839		105	OK	46	173
				-	-		
				-	-		
				-	-		
				-	-		
				-	-		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
	Tetrabutyltin	65.2124			146		3.35
x	Tributyltin	62.2502			139		4.47
	Dibutyltin	36.3635			81.3		3.35
	Monobutyltin	13.9872			31.3		2.24

01212

Organotins Worksheet - total

QC Level:Tier IV w/COE requirements

Matrix:liquid

Parametrix, Inc.

Due: 03/02/05

Work Order - 126377

Proj. Manager:Darla Powell

Special Instructions

~~5 day TAT~~ DTP

Subbed TOC & Sulfide to STL Denver
Subbed Grain Size to STL Burlington
Subbed Dioxin to STL Sac

Pore Water

Sample number	Sample Weight/Volume	Client Sample ID	Date Received	Date Sampled
[redacted]	233	0205-OS-VC-01P	2/18/2005	2/17/2005 1:45:00 PM
[redacted]	130	0205-OS-VC-02P	2/18/2005	2/17/2005 8:30:00 AM
[redacted]	233	0205-OS-VC-03P	2/18/2005	2/17/2005 9:45:00 AM
[redacted]	201	0205-OS-VC-03AP	2/18/2005	2/17/2005 9:45:00 AM
[redacted]	181	0205-OS-VC-04P	2/18/2005	2/17/2005 12:50:00 PM
[redacted]	-0-Yield-	0205-OS-VC-05P	2/18/2005	2/17/2005 10:50:00 AM
[redacted]	227	0205-OS-VC-06P	2/18/2005	2/17/2005 11:25:00 AM

Tributyltin only

Prior Spec. QC

See attached

Samples are: Low Level ☐ Small Volume ☐ Normal ☐

Analyst [illegible] Date 02/24/05

Reviewed by [illegible] Date [illegible]

Organics worksheet v4.0
If you have suggestions for changes please bring them to me - Dennis

01213

Organotins Worksheet - total

QC Level:Tier IV	**Due: 03/02/05**	**Work Order - 126377**
Matrix:liquid		
Parametrix, Inc.	Proj. Manager:Darla Powell	

Special Instructions	5 day TAT Subbed TOC & Sulfide to STL Denver Subbed Grain Size to STL Burlington Subbed Dioxin to STL Sac

Sample number 126377-16		Client Sample ID	0205-OS-VC-06ZP
Sample Weight/Volume		Date Received	2/18/2005
171		**Date Sampled**	**2/17/2005 11:20:00 AM**

Tributyltin only

Samples are: Low Level ☐ Small Volume ☐ Normal ☐

Analyst_____ Date_____

Reviewed by_____ Date_____

Organics worksheet v4.0
If you have suggestions for changes please bring them to me - Dennis

01214

Printed - 2/21/05

Organotins by GC\MS (PSEP) Protocol

QCBatch ID	WTN0210	pH2	pH7	pH12	
Sample Matrix	WATER	X			
Surrogate Standard No.	979-37-4w				
Expiration Date	6/25/05	Weighed By/Date	bh 2-21-05		
8082 MS Spike No.	979-37-5w	Extracted By/Date	bh 2-21-05		
Expiration Date	6/25/05				
Internal Standard No.	979-037-7	Pore Water Samples / COE requirements (sample 126377-14 composed of sand, which yielded zero liquid to perform extraction)			
Expiration Date	6/25/05				
MeCl2 Lot Number	A46E50				
S.P.E Disk lot #	VO2425				
Na2SO4 Lot #	x390148				
Extraction Method	Solid Phase				

QC Sample Type	QC Identifier	SampleVolume (ml)	Final Volume (ml)	Surr Spike (ul)	MS/BS spike amt (ul)
Method Blank	WTN0210	1000	2	100	N/A
Duplicate	125059r1				
Duplicate-2					
Blank Spike	sWTN0210	1000	2	100	100
Blank Spike Duplicate	dWTN0210	1000	2	100	100
Matrix Spike					
Matrix Spike Duplicate					
Matrix Spike-2					
Matrix Spike Duplicate-2					

Sample	Client Sample ID	Sample Volume (ml)	Final Volume (ml)	Surr Spike (ul)	Comments
126377-9	0205-OS-VC-01P	233	2	100	
126377-10	0205-OS-VC-02P	130	2	100	
126377-11	0205-OS-VC-03P	233	2	100	
126377-12	0205-OS-VC-03A	201	2	100	
126377-13	0205-OS-VC-04P	181	2	100	
126377-15	0205-OS-VC-06P	227	2	100	
126377-16	0205-OS-VC-06ZP	171	2	100	

Pore water extracted @ 5000 RPM / 30 min / under N_2

ORGANOTIN DERIVATIZATION LOG

Grignard reagent made at STL 12/01/03 expires 12/01/04
Magnesium metal lot no. 5922 Mallinkrodt -- 30 grams
1-Bromohexane lot no. 21511HB Aldrich -- 140.37 ml
Ethyl Ether Lot no. 020255-15 Fischer-- 500 ml

Amount added to extract: 250 ul
Date Derivatized: 2/21/05
Analyst: [illegible]

01215

STL Seattle

6a **Sample Information**

Client Name	**Parametrix, Inc.**
Work Order Number	**126377**
Sample Number	**9**
QC Batch Number	**WTN0210**
Client Sample ID	**0205-OS-VC-01P**
Date Received	**02-18-05**
Date Prepared	**02-21-05**
Date Analyzed	**02-23-05**
Sample matrix type	**liquid**
QC sample type	**sample**

Related Blank: WTN0210

Sample volume (ml)	**233**	=	0.233 /L	Calc. Fact.	0.008583691
Extract volume (ml)	**2**	=	2 ml	Dry Weight	-
Dilution Factor		=	1	Sample Units	ug/L
% Solids		=	1	Spike Factor	4.291845494
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	2
Report in PPM		=	1		
mg/kg Carbon		=	1	Blk Dil. Fact	
				Raw Dil. Fact	2

	Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	Tripentyltin	45.4475		80.1	OK	46	173
				-	-		
				-	-		
				-	-		
				-	-		
				-	-		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Tributyltin	3.9797			0.0342		0.00601

STL Seattle

6a **Sample Information**

Client Name	**Parametrix, Inc.**
Work Order Number	**126377**
Sample Number	**10**
QC Batch Number	**WTN0210**
Client Sample ID	**0205-OS-VC-02P**
Date Received	**02-18-05**
Date Prepared	**02-21-05**
Date Analyzed	**02-23-05**
Sample matrix type	**liquid**
QC sample type	**sample**

Related Blank: WTN0210

Sample volume (ml)	**130**	=	0.13 /L	Calc. Fact.	0.015384615
Extract volume (ml)	**2**	=	2 ml	Dry Weight	-
Dilution Factor		=	1	Sample Units	ug/L
% Solids		=	1	Spike Factor	7.692307692
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	2
Report in PPM		=	1		
mg/kg Carbon		=	1	Blk Dil. Fact	
				Raw Dil. Fact	2

	Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	Tripentyltin	61.5439		108	OK	46	173
				-	-		
				-	-		
				-	-		
				-	-		
				-	-		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Tributyltin	2.5117			0.0386		0.0108

01217

STL Seattle

6a **Sample Information**

Client Name	**Parametrix, Inc.**
Work Order Number	**126377**
Sample Number	**11**
QC Batch Number	**WTN0210**
Client Sample ID	**0205-OS-VC-03P**
Date Received	**02-18-05**
Date Prepared	**02-21-05**
Date Analyzed	**02-24-05**
Sample matrix type	**liquid**
QC sample type	**sample**

Related Blank: WTN0210

Sample volume (ml)	**233**	=	0.233 /L	Calc. Fact.	0.008583691
Extract volume (ml)	**2**	=	2 ml	Dry Weight	-
Dilution Factor		=	1	Sample Units	ug/L
% Solids		=	1	Spike Factor	4.291845494
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	2
Report in PPM		=	1		
mg/kg Carbon		=	1	Blk Dil. Fact	
				Raw Dil. Fact	2

	Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	Tripentyltin	49.1239		86.5	OK	46	173
				-	-		
				-	-		
				-	-		
				-	-		
				-	-		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL

STL Seattle

6a **Sample Information**

Client Name	**Parametrix, Inc.**
Work Order Number	**126377**
Sample Number	**12**
QC Batch Number	**WTN0210**
Client Sample ID	**0205-OS-VC-03AP**
Date Received	**02-18-05**
Date Prepared	**02-21-05**
Date Analyzed	**02-24-05**
Sample matrix type	**liquid**
QC sample type	**sample**

Related Blank: WTN0210

Sample volume (ml)	**201**	=	0.201 /L	Calc. Fact.	0.009950249
Extract volume (ml)	**2**	=	2 ml	Dry Weight	-
Dilution Factor		=	1	Sample Units	ug/L
% Solids		=	1	Spike Factor	4.975124378
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	2
Report in PPM		=	1		
mg/kg Carbon		=	1	Blk Dil. Fact	
				Raw Dil. Fact	2

	Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	Tripentyltin	56.2559		99.1	OK	46	173
				-	-		
				-	-		
				-	-		
				-	-		
				-	-		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL

STL Seattle

6a **Sample Information**

Client Name	**Parametrix, Inc.**
Work Order Number	**126377**
Sample Number	**13**
QC Batch Number	**WTN0210**
Client Sample ID	**0205-OS-VC-04P**
Date Received	**02-18-05**
Date Prepared	**02-21-05**
Date Analyzed	**02-24-05**
Sample matrix type	**liquid**
QC sample type	**sample**

Related Blank: WTN0210

Sample volume (ml)	**181**	=	0.181 /L	Calc. Fact.	0.011049724
Extract volume (ml)	**2**	=	2 ml	Dry Weight	-
Dilution Factor		=	1	Sample Units	ug/L
% Solids		=	1	Spike Factor	5.524861878
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	2
Report in PPM		=	1		
mg/kg Carbon		=	1	Blk Dil. Fact	
				Raw Dil. Fact	2

	Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	Tripentyltin	47.5309		83.7	OK	46	173
				-	-		
				-	-		
				-	-		
				-	-		
				-	-		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Tributyltin	4.4414			0.0491		0.00773

01220

STL Seattle

6a **Sample Information**

Client Name	**Parametrix, Inc.**
Work Order Number	**126377**
Sample Number	**15**
QC Batch Number	**WTN0210**
Client Sample ID	**0205-OS-VC-06P**
Date Received	**02-18-05**
Date Prepared	**02-21-05**
Date Analyzed	**02-24-05**
Sample matrix type	**liquid**
QC sample type	**sample**

Related Blank: WTN0210

Sample volume (ml)	**227**	=	0.227 /L	Calc. Fact.	0.008810573
Extract volume (ml)	**2**	=	2 ml	Dry Weight	-
Dilution Factor		=	1	Sample Units	ug/L
% Solids		=	1	Spike Factor	4.405286344
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	2
Report in PPM		=	1		
mg/kg Carbon		=	1	Blk Dil. Fact	
				Raw Dil. Fact	2

	Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	Tripentyltin	46.9675		82.7	OK	46	173
				-	-		
				-	-		
				-	-		
				-	-		
				-	-		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Tributyltin	4.9059			0.0432		0.00617

STL Seattle

6a **Sample Information**

Client Name	**Parametrix, Inc.**
Work Order Number	**126377**
Sample Number	**16**
QC Batch Number	**WTN0210**
Client Sample ID	**0205-OS-VC-06ZP**
Date Received	**02-18-05**
Date Prepared	**02-21-05**
Date Analyzed	**02-24-05**
Sample matrix type	**liquid**
QC sample type	**sample**

Related Blank: WTN0210

Sample volume (ml)	**171**	=	0.171 /L	Calc. Fact.	0.011695906
Extract volume (ml)	**2**	=	2 ml	Dry Weight	-
Dilution Factor		=	1	Sample Units	ug/L
% Solids		=	1	Spike Factor	5.847953216
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	2
Report in PPM		=	1		
mg/kg Carbon		=	1	Blk Dil. Fact	
				Raw Dil. Fact	2

	Surrogate	**Quan Value**	**User Flags**	**% Rec.**	**Warning**	**Water Low**	**Water High**
x	Tripentyltin	34.8986		61.5	OK	46	173
				-	-		
				-	-		
				-	-		
				-	-		
				-	-		

x	**Target Analytes**	**Quan Value**	**User Flag**	**Blank**	**Calculated Amount**	**Total Flags**	**PQL**

01222

STL Seattle

6a **Sample Information**

Client Name	
Work Order Number	
Sample Number	
QC Batch Number	**WTN0210**
Client Sample ID	
Date Received	
Date Prepared	**02-21-05**
Date Analyzed	**02-23-05**
Sample matrix type	**liquid**
QC sample type	**blank**

Related Blank: noblank

Sample volume (ml)	**1000**	=	1 /L	Calc. Fact.	0.002
Extract volume (ml)	**2**	=	2 ml	Dry Weight	-
Dilution Factor		=	1	Sample Units	ug/L
% Solids		=	1	Spike Factor	1
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	2
Report in PPM		=	1		
mg/kg Carbon		=	1	Blk Dil. Fact	
				Raw Dil. Fact	2

	Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	Tripentyltin	55.2449		97.3	OK	46	173
				-	-		
				-	-		
				-	-		
				-	-		
				-	-		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL

01223

STL Seattle

6a **Sample Information**

Client Name	
Work Order Number	
Sample Number	Related Blank: WTN0210
QC Batch Number	**WTN0210**
Client Sample ID	
Date Received	
Date Prepared	**02-21-05**
Date Analyzed	**02-23-05**
Sample matrix type	**liquid**
QC sample type	**bs**

Sample volume (ml)	**1000**	=	1	/L	Calc. Fact.	0.002
Extract volume (ml)	**2**	=	2	ml	Dry Weight	-
Dilution Factor		=	1		Sample Units	ug/L
% Solids		=	1		Spike Factor	1
GPC (Enter 2 if GPC'd)		=	1		Rept. Dil. Fact.	2
Report in PPM		=	1			
mg/kg Carbon		=	1		Blk Dil. Fact	
					Raw Dil. Fact	2

	Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	Tripentyltin	65.7423		116	OK	46	173
				-	-		
				-	-		
				-	-		
				-	-		
				-	-		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
	Tetrabutyltin	81.3697			0.163		0.002
x	Tributyltin	68.263			0.137		0.0014
	Dibutyltin	48.374			0.0967		0.0008
	Monobutyltin	38.7575			0.0775		0.0004

STL Seattle

6a **Sample Information**

Client Name	
Work Order Number	
Sample Number	
QC Batch Number	**WTN0210**
Client Sample ID	
Date Received	
Date Prepared	**02-21-05**
Date Analyzed	**02-23-05**
Sample matrix type	**liquid**
QC sample type	**bsd**

Related Blank: WTN0210

Sample volume (ml)	**1000**	=	1 /L	Calc. Fact.	0.002
Extract volume (ml)	**2**	=	2 ml	Dry Weight	-
Dilution Factor		=	1	Sample Units	ug/L
% Solids		=	1	Spike Factor	1
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	2
Report in PPM		=	1		
mg/kg Carbon		=	1	Blk Dil. Fact	
				Raw Dil. Fact	2

	Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	Tripentyltin	63.0862		111	OK	46	173
				-	-		
				-	-		
				-	-		
				-	-		
				-	-		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
	Tetrabutyltin	75.0757			0.15		0.002
x	Tributyltin	59.9557			0.12		0.0014
	Dibutyltin	46.8949			0.0938		0.0008
	Monobutyltin	36.7758			0.0736		0.0004

ORGANOCHLORINE PESTICIDES DATA PACKAGE

SAMPLE DATA

Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\050228\ECD10127.D\ECD1A.CH Vial: 14
Signal #2 : H:\DATA\050228\ECD10127.D\ECD2B.CH
Acq On : 2-28-2005 06:12:21 PM Operator: SJL/CRF
Sample : 126377-01 PE1833 Inst : Agilent E
Misc : SOLID &10 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Mar 01 10:09:04 2005 Quant Results File: 050228.RES

Quant Method : H:\METHODS\050228.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Tue Mar 01 10:07:07 2005
Response via : Initial Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
		System Monitoring Compounds							
2)	SR	Tetrachloro-m-xy	6.44	7.20	5550666	4818189	14.623	14.734	
		Spiked Amount 20.000 Range 60 - 150 Recovery =					73.11%	73.67%	
24)	SR	Decachlorobiphen	13.11	13.63	6342448	5191009	19.535	22.690	
		Spiked Amount 20.000 Range 60 - 150 Recovery =					97.67%	113.45%	
		Target Compounds							
1)	T	Hexachlorobutadi	0.00	4.20f	0	218975	N.D.	0.413	#
3)		alpha-BHC	0.00	0.00	0	0	N.D.	N.D.	
4)	T	Hexachlorobenzen	0.00	0.00	0	0	N.D.	N.D.	
5)	M	gamma-BHC (Linda	0.00	0.00	0	0	N.D.	N.D.	
6)		beta-BHC	0.00	0.00	0	0	N.D.	N.D.	
7)		delta-BHC	0.00	0.00	0	0	N.D.	N.D.	
8)	M	Heptachlor	8.05	0.00	2198679	0	4.569	N.D.	#
9)	M	Aldrin	8.34	9.28f	760335	221552	1.463	0.535	#
10)		Heptachlor Epoxi	0.00	0.00	0	0	N.D.	N.D.	
11)		gamma-Chlordane	0.00	0.00	0	0	N.D.	N.D.	
12)		alpha-Chlordane	9.63	0.00	771786	0	1.472	N.D.	#
13)		Endosulfan I	0.00	10.51f	0	243076	N.D.	0.685	#
14)		4,4'-DDE	9.98	10.69	522560	443037	1.313	1.391	-Cl, J
15)	M	Dieldrin	10.09	0.00	287609	0	0.615	N.D.	#
16)	M	Endrin	0.00	11.04	0	150489	N.D.	0.521	#
17)		4,4'-DDD	10.71	11.30	201993	223739	0.512	0.755	#-Cl, J
18)		Endosulfan II	10.79	11.37	687509	545191	1.569	1.518	-NTH
19)	M	4,4'-DDT	11.07f	0.00	4835273	0	18.033	N.D.	#
20)		Endrin Aldehyde	11.07	0.00	4835273	0	19.078	N.D.	#
21)		Endosulfan Sulfa	11.31	0.00	580457	0	1.374	N.D.	#
22)		Methoxychlor	11.81	12.14	232545	603048	1.652	5.389	#-NTH
23)		Endrin Ketone	12.00f	12.27	3945480	229011	7.625	0.564	#

01228

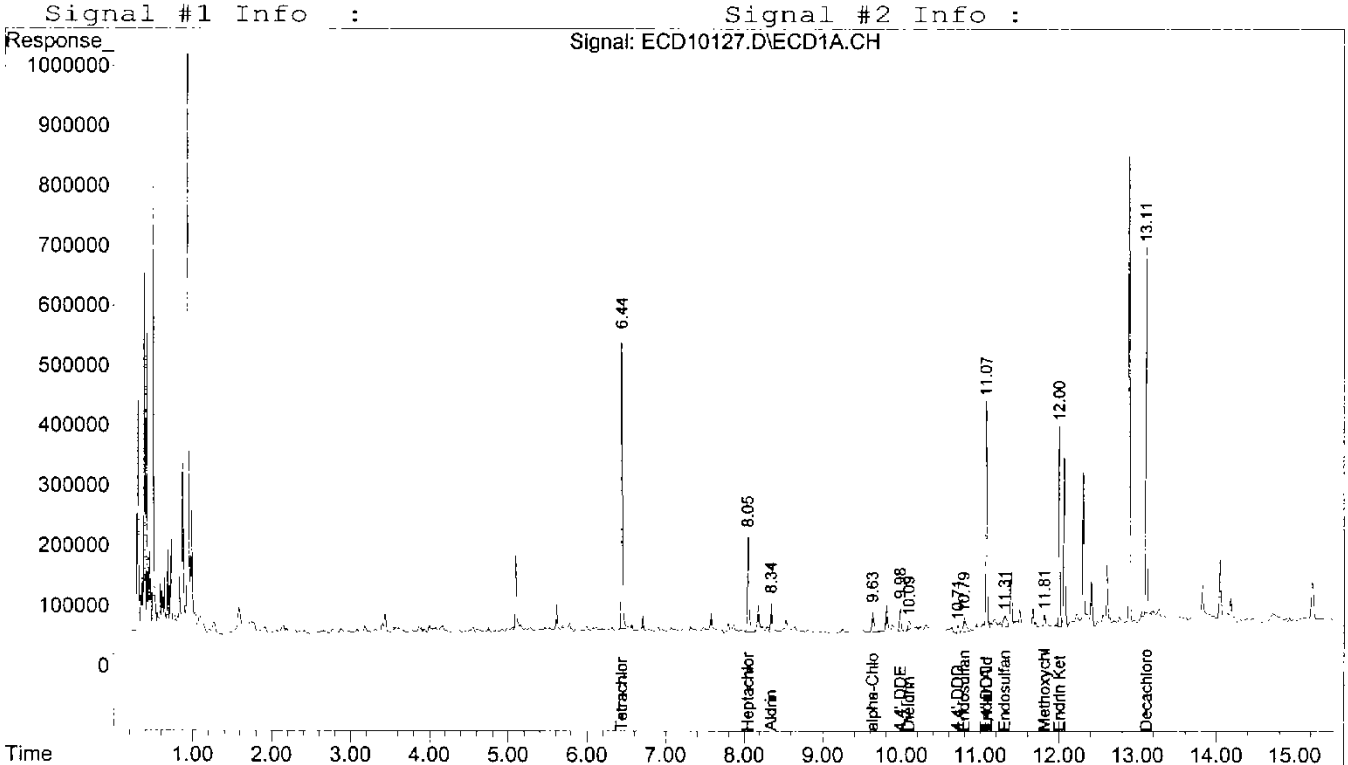
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

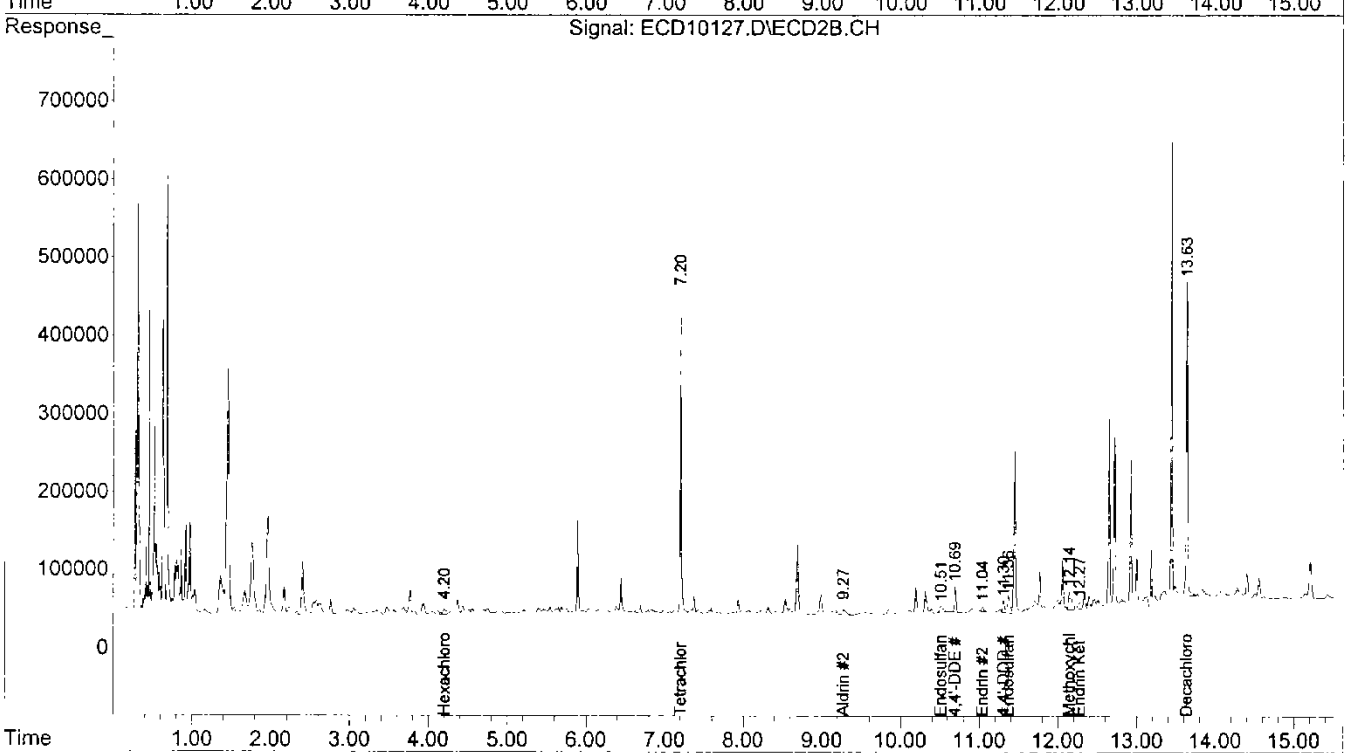
Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\050228\ECD10127.D\ECD1A.CH Vial: 14
Signal #2 : H:\DATA\050228\ECD10127.D\ECD2B.CH
Acq On : 2-28-2005 06:12:21 PM Operator: SJL/CRF
Sample : 126377-01 PE1833 Inst : Agilent E
Misc : SOLID &10 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Mar 1 10:09 2005 Quant Results File: 050228.RES

Quant Method : H:\METHODS\050228.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Tue Mar 01 10:07:07 2005
Response via : Multiple Level Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :





012279

Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\050228\ECD10128.D\ECD1A.CH Vial: 15
Signal #2 : H:\DATA\050228\ECD10128.D\ECD2B.CH
Acq On : 2-28-2005 06:33:21 PM Operator: SJL/CRF
Sample : 126377-02 PE1833 Inst : Agilent E
Misc : SOLID &10 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Mar 01 10:09:11 2005 Quant Results File: 050228.RES

Quant Method : H:\METHODS\050228.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Tue Mar 01 10:07:07 2005
Response via : Initial Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
2)	SR	Tetrachloro-m-xy	6.44	7.20	5639368	4848658	14.857	14.827 ✓
		Spiked Amount 20.000 Range 60 - 150 Recovery =					74.28%	74.13%
24)	SR	Decachlorobiphen	13.11	13.63	3764969	3137848	11.596	13.716 ✓
		Spiked Amount 20.000 Range 60 - 150 Recovery =					57.98%#	68.58%
		Target Compounds						
1)	T	Hexachlorobutadi	0.00	0.00	0	0	N.D.	N.D.
3)		alpha-BHC	0.00	0.00	0	0	N.D.	N.D.
4)	T	Hexachlorobenzen	0.00	0.00	0	0	N.D.	N.D.
5)	M	gamma-BHC (Linda	0.00	0.00	0	0	N.D.	N.D.
6)		beta-BHC	0.00	0.00	0	0	N.D.	N.D.
7)		delta-BHC	0.00	0.00	0	0	N.D.	N.D.
8)	M	Heptachlor	8.05	0.00	1802600	0	3.746	N.D. ✓ #
9)	M	Aldrin	8.34	0.00	662173	0	1.274	N.D. ✓ #
10)		Heptachlor Epoxi	0.00	0.00	0	0	N.D.	N.D.
11)		gamma-Chlordane	0.00	0.00	0	0	N.D.	N.D.
12)		alpha-Chlordane	9.63	10.50f	487368	425300	0.930	1.025 -[illegible]
13)		Endosulfan I	0.00	10.50	0	425300	N.D. ✓	1.198 #
14)		4,4'-DDE	9.98	10.69	372359	263893	0.935	0.829 -CH J
15)	M	Dieldrin	10.09	0.00	638466	0	1.365	N.D. ✓ #
16)	M	Endrin	0.00	0.00	0	0	N.D.	N.D.
17)		4,4'-DDD	0.00	11.30	0	168676	N.D. ✓	0.569 #
18)		Endosulfan II	10.79	11.37	410079	527744	0.936	1.469 # NTA
19)	M	4,4'-DDT	11.07f	11.70f	4238909	713849	15.809	3.122 # [illegible]
20)		Endrin Aldehyde	11.07	0.00	4238909	0	16.725	N.D. ✓ #
21)		Endosulfan Sulfa	11.31	0.00	410360	0	0.971	N.D. ✓ #
22)		Methoxychlor	0.00	12.17	0	214202	N.D. ✓	1.914 #
23)		Endrin Ketone	0.00	0.00	0	0	N.D.	N.D.

01230

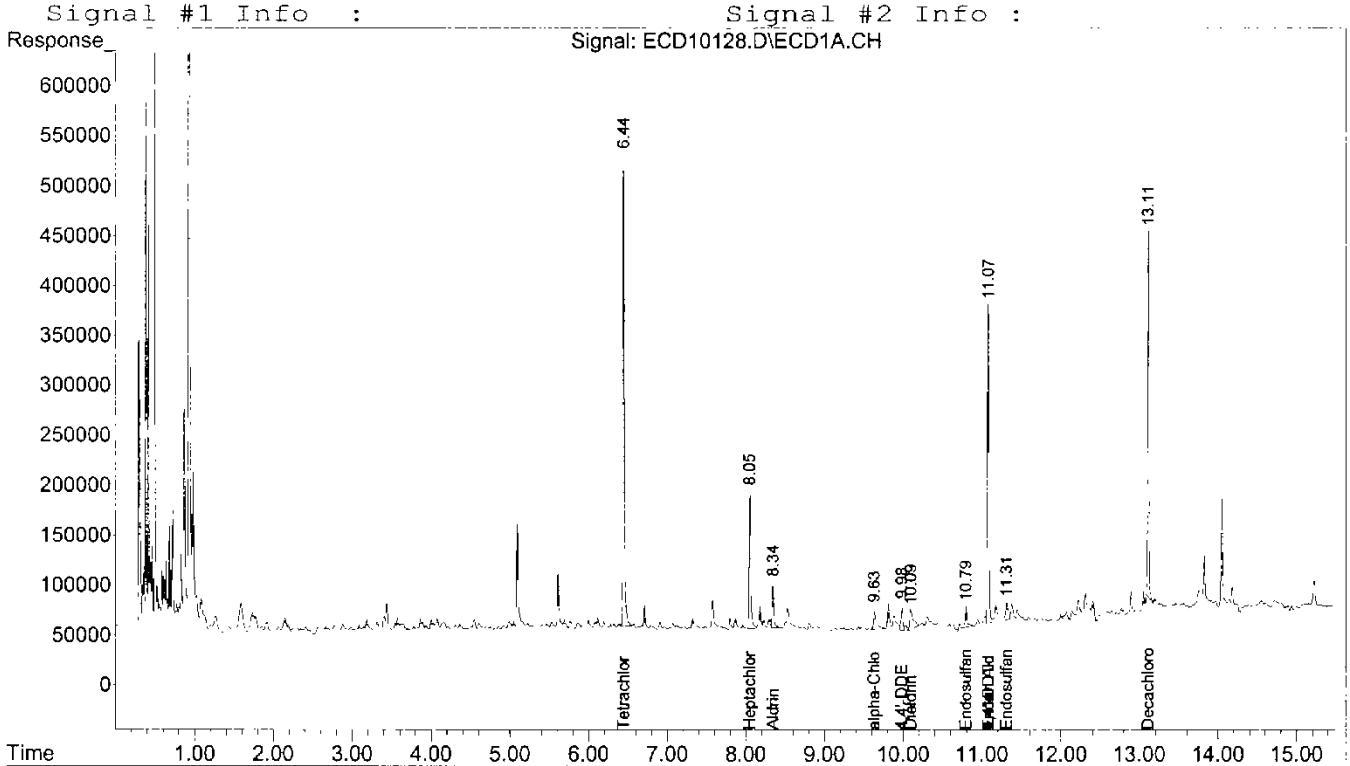
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

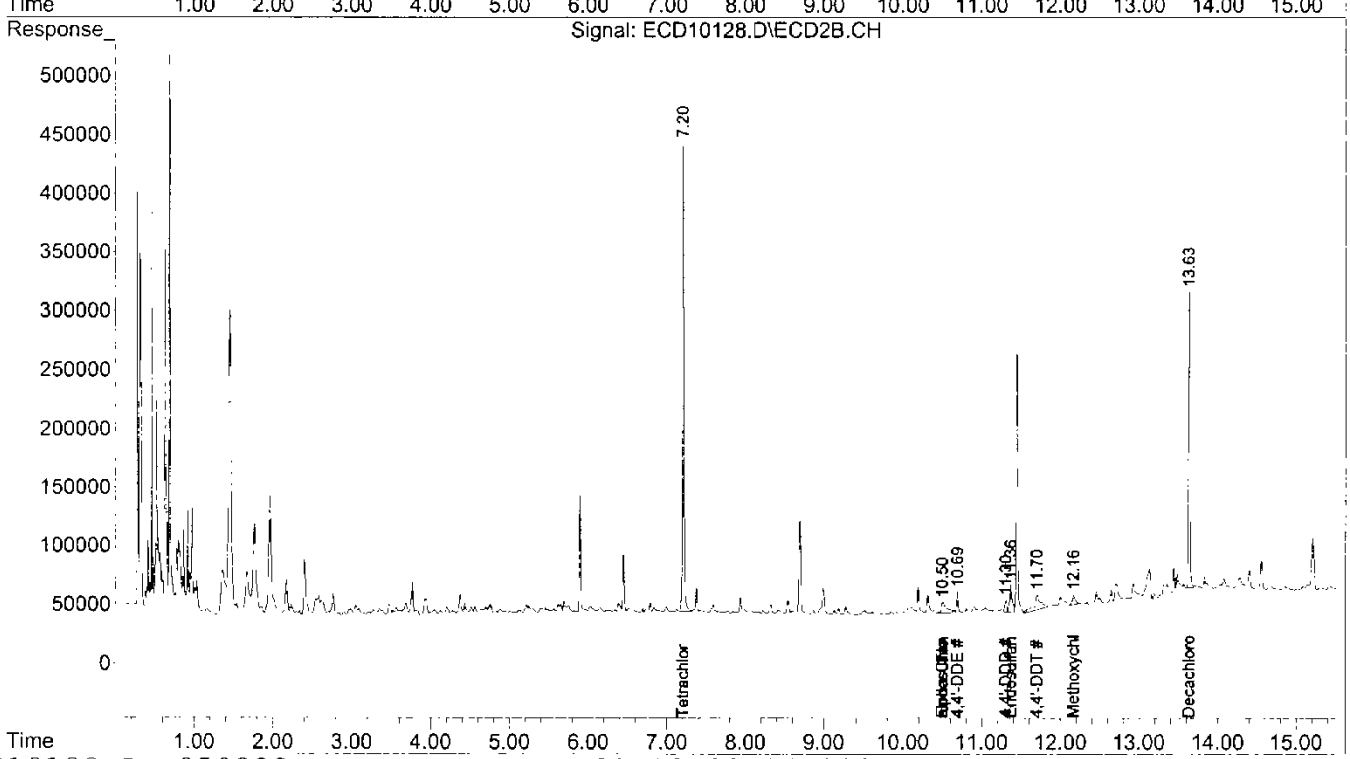
Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\050228\ECD10128.D\ECD1A.CH Vial: 15
Signal #2 : H:\DATA\050228\ECD10128.D\ECD2B.CH
Acq On : 2-28-2005 06:33:21 PM Operator: SJL/CRF
Sample : 126377-02 PE1833 Inst : Agilent E
Misc : SOLID &10 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Mar 1 10:09 2005 Quant Results File: 050228.RES

Quant Method : H:\METHODS\050228.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Tue Mar 01 10:07:07 2005
Response via : Multiple Level Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :





01231

Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\050228\ECD10129.D\ECD1A.CH Vial: 16
Signal #2 : H:\DATA\050228\ECD10129.D\ECD2B.CH
Acq On : 2-28-2005 06:54:16 PM Operator: SJL/CRF
Sample : 126377-03 PE1833 Inst : Agilent E
Misc : SOLID &10 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Mar 01 10:09:18 2005 Quant Results File: 050228.RES

Quant Method : H:\METHODS\050228.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Tue Mar 01 10:07:07 2005
Response via : Initial Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
2)	SR	Tetrachloro-m-xy	6.44	7.20	5369905	4645446	14.147	14.206 ✓
		Spiked Amount 20.000 Range 60 - 150 Recovery =					70.73%	71.03%
24)	SR	Decachlorobiphen	13.11	13.63	3714070	3091885	11.440	13.515 ✓
		Spiked Amount 20.000 Range 60 - 150 Recovery =					57.20%#	67.58%
		Target Compounds						
1)	T	Hexachlorobutadi	0.00	4.20f	0	198298	N.D. ✓	0.374 #
3)		alpha-BHC	0.00	0.00	0	0	N.D.	N.D.
4)	T	Hexachlorobenzen	0.00	0.00	0	0	N.D.	N.D.
5)	M	gamma-BHC (Linda	0.00	0.00	0	0	N.D.	N.D.
6)		beta-BHC	0.00	0.00	0	0	N.D.	N.D.
7)		delta-BHC	0.00	0.00	0	0	N.D.	N.D.
8)	M	Heptachlor	8.05	0.00	1941176	0	4.034	N.D. ✓ #
9)	M	Aldrin	8.34	9.27f	721685	141950	1.389	0.343 # Ref SJL
10)		Heptachlor Epoxi	0.00	0.00	0	0	N.D.	N.D.
11)		gamma-Chlordane	0.00	0.00	0	0	N.D.	N.D. ✓
12)		alpha-Chlordane	9.63	0.00	482861	0	0.921	N.D. #
13)		Endosulfan I	0.00	10.51f	0	397086	N.D. ✓	1.119 #
14)		4,4'-DDE	9.98	10.69	391418	310326	0.983	0.975 -C1
15)	M	Dieldrin	10.10	0.00	620651	0	1.327	N.D. ✓ #
16)	M	Endrin	0.00	0.00	0	0	N.D.	N.D.
17)		4,4'-DDD	0.00	11.30	0	169540	N.D. ✓	0.572 #
18)		Endosulfan II	10.79	11.36	562398	507768	1.283	1.414 -NTA
19)	M	4,4'-DDT	11.07f	0.00	5680903	0	21.187	N.D. ✓ #
20)		Endrin Aldehyde	11.07	0.00	5680903	0	22.414	N.D. ✓ #
21)		Endosulfan Sulfa	11.32	0.00	511510	0	1.211	N.D. ✓ #
22)		Methoxychlor	0.00	12.16	0	433609	N.D. ✓	3.875 #
23)		Endrin Ketone	12.00f	0.00	983909	0	1.902	N.D ✓ #

01232

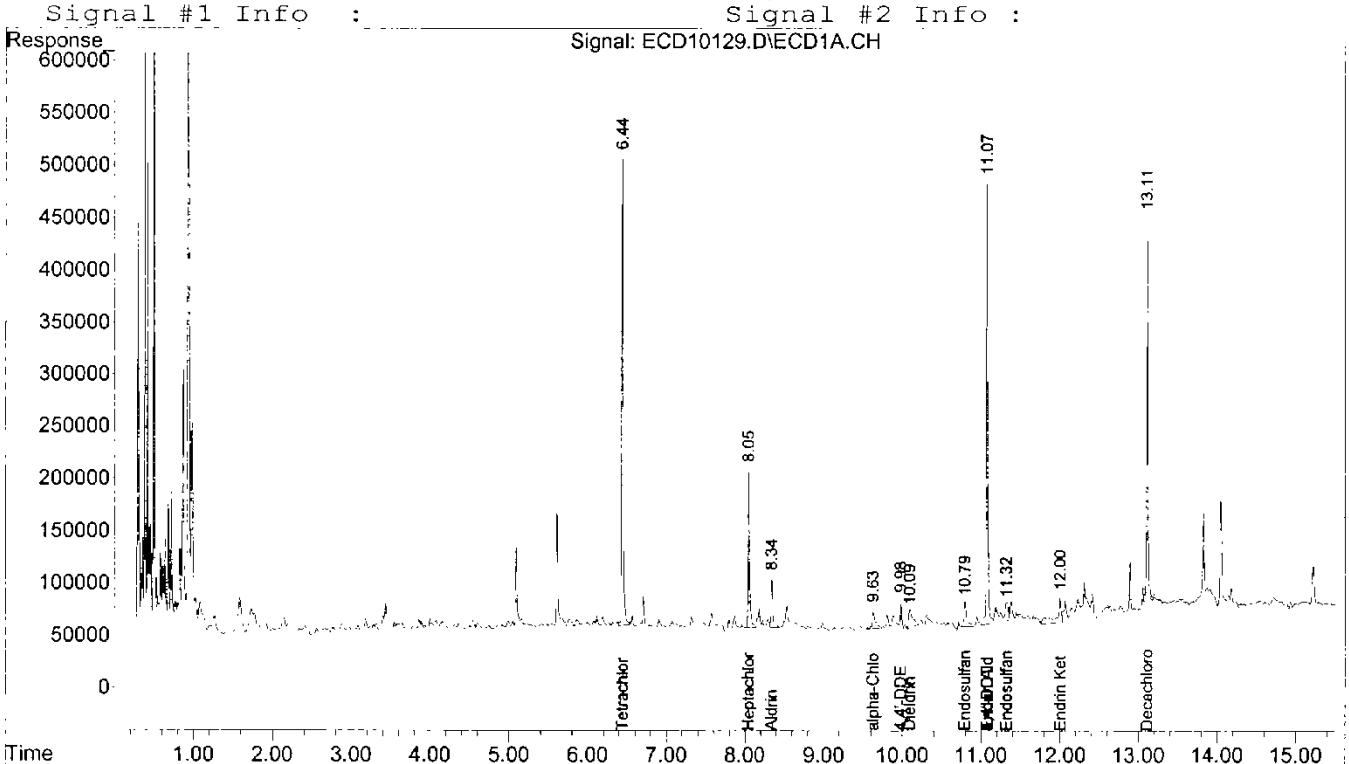
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

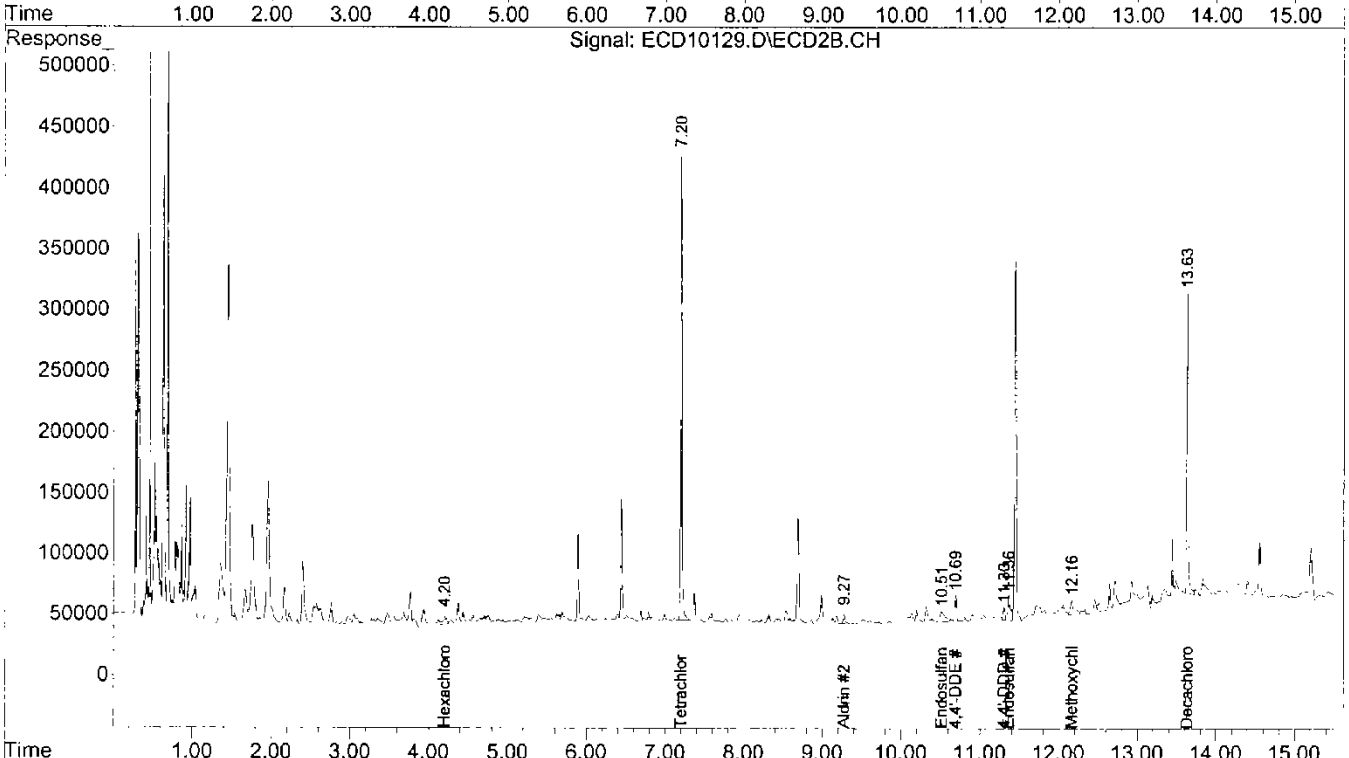
Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\050228\ECD10129.D\ECD1A.CH Vial: 16
Signal #2 : H:\DATA\050228\ECD10129.D\ECD2B.CH
Acq On : 2-28-2005 06:54:16 PM Operator: SJL/CRF
Sample : 126377-03 PE1833 Inst : Agilent E
Misc : SOLID &10 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Mar 1 10:09 2005 Quant Results File: 050228.RES

Quant Method : H:\METHODS\050228.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Tue Mar 01 10:07:07 2005
Response via : Multiple Level Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :





01233

Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\050228\ECD10130.D\ECD1A.CH Vial: 17
Signal #2 : H:\DATA\050228\ECD10130.D\ECD2B.CH
Acq On : 2-28-2005 07:15:10 PM Operator: SJL/CRF
Sample : 126377-04 PE1833 Inst : Agilent E
Misc : SOLID &10 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Mar 01 10:09:25 2005 Quant Results File: 050228.RES

Quant Method : H:\METHODS\050228.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Tue Mar 01 10:07:07 2005
Response via : Initial Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
2)	SR	Tetrachloro-m-xy	6.44	7.20	5208206	4490076	13.721	13.731
		Spiked Amount 20.000 Range 60 - 150 Recovery =					68.61%	68.66%
24)	SR	Decachlorobiphen	13.11	13.63	6204103	5333423	19.109	23.313
		Spiked Amount 20.000 Range 60 - 150 Recovery =					95.55%	116.56%
		Target Compounds						
1)	T	Hexachlorobutadi	0.00	0.00	0	0	N.D.	N.D.
3)		alpha-BHC	0.00	0.00	0	0	N.D.	N.D.
4)	T	Hexachlorobenzen	0.00	0.00	0	0	N.D.	N.D.
5)	M	gamma-BHC (Linda	0.00	0.00	0	0	N.D.	N.D.
6)		beta-BHC	0.00	0.00	0	0	N.D.	N.D.
7)		delta-BHC	0.00	0.00	0	0	N.D.	N.D.
8)	M	Heptachlor	8.05	0.00	1684123	0	3.500	N.D. #
9)	M	Aldrin	8.34	0.00	665893	0	1.281	N.D. #
10)		Heptachlor Epoxi	0.00	0.00	0	0	N.D.	N.D.
11)		gamma-Chlordane	0.00	0.00	0	0	N.D.	N.D.
12)		alpha-Chlordane	9.63	0.00	593717	0	1.132	N.D. #
13)		Endosulfan I	0.00	10.51f	0	469820	N.D.	1.323 #
14)		4,4'-DDE	9.98	10.69	384827	322209	0.967	1.012 -CI
15)	M	Dieldrin	10.09	0.00	681382	0	1.457	N.D. #
16)	M	Endrin	0.00	0.00	0	0	N.D.	N.D.
17)		4,4'-DDD	0.00	11.30	0	161608	N.D.	0.546 #
18)		Endosulfan II	10.79	11.37	565655	560261	1.291	1.560 -NTA
19)	M	4,4'-DDT	11.07f	0.00	6238609	0	23.267	N.D. #
20)		Endrin Aldehyde	11.07	0.00	6238609	0	24.615	N.D. #
21)		Endosulfan Sulfa	11.31	0.00	1051469	0	2.489	N.D. #
22)		Methoxychlor	0.00	12.14	0	186119	N.D.	1.663 #
23)		Endrin Ketone	12.00f	0.00	3373931	0	6.521	N.D. #

01234

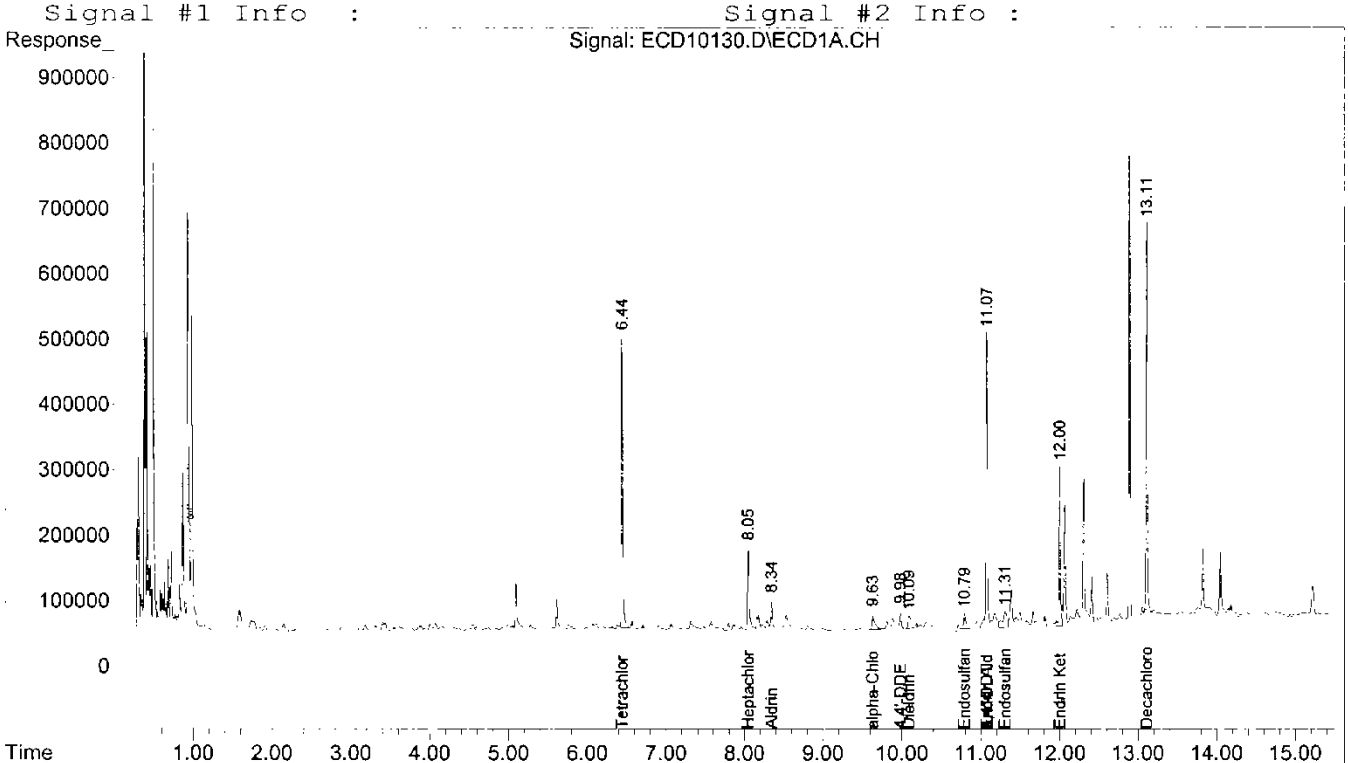
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

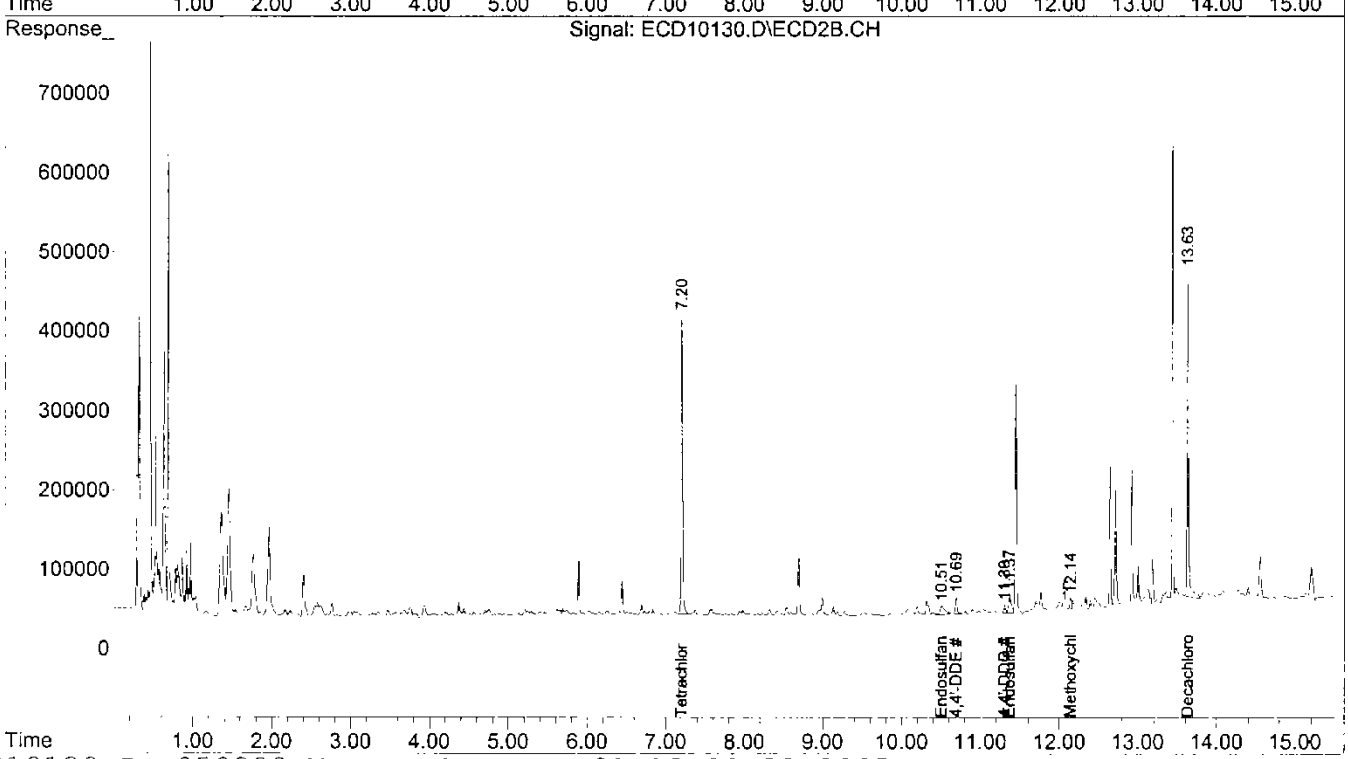
Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\050228\ECD10130.D\ECD1A.CH Vial: 17
Signal #2 : H:\DATA\050228\ECD10130.D\ECD2B.CH
Acq On : 2-28-2005 07:15:10 PM Operator: SJL/CRF
Sample : 126377-04 PE1833 Inst : Agilent E
Misc : SOLID &10 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Mar 1 10:09 2005 Quant Results File: 050228.RES

Quant Method : H:\METHODS\050228.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Tue Mar 01 10:07:07 2005
Response via : Multiple Level Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :





01235

Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\050228\ECD10131.D\ECD1A.CH Vial: 18
Signal #2 : H:\DATA\050228\ECD10131.D\ECD2B.CH
Acq On : 2-28-2005 07:36:12 PM Operator: SJL/CRF
Sample : 126377-05 PE1833 Inst : Agilent E
Misc : SOLID &10 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Mar 01 10:09:32 2005 Quant Results File: 050228.RES

Quant Method : H:\METHODS\050228.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Tue Mar 01 10:07:07 2005
Response via : Initial Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
2)	SR	Tetrachloro-m-xy	6.44	7.20	5208090	4532019	13.720	13.859
		Spiked Amount 20.000 Range 60 - 150 Recovery =					68.60%	69.30%
24)	SR	Decachlorobiphen	13.11	13.63	3540824	3340812	10.906	14.603#
		Spiked Amount 20.000 Range 60 - 150 Recovery =					54.53%#	73.02%
		Target Compounds						
1)	T	Hexachlorobutadi	0.00	4.12f	0	161197	N.D.	0.304 #
3)		alpha-BHC	0.00	0.00	0	0	N.D.	N.D.
4)	T	Hexachlorobenzen	0.00	0.00	0	0	N.D.	N.D.
5)	M	gamma-BHC (Linda	0.00	0.00	0	0	N.D.	N.D.
6)		beta-BHC	0.00	0.00	0	0	N.D.	N.D.
7)		delta-BHC	0.00	0.00	0	0	N.D.	N.D.
8)	M	Heptachlor	8.05	0.00	2012976	0	4.183	N.D. #
9)	M	Aldrin	8.34	0.00	730532	0	1.406	N.D. #
10)		Heptachlor Epoxi	0.00	0.00	0	0	N.D.	N.D.
11)		gamma-Chlordane	0.00	0.00	0	0	N.D.	N.D.
12)		alpha-Chlordane	0.00	0.00	0	0	N.D.	N.D.
13)		Endosulfan I	0.00	10.51f	0	376831	N.D.	1.062 #
14)		4,4'-DDE	9.98	10.69	571431	385091	1.435	1.209 -CI
15)	M	Dieldrin	10.09	0.00	951822	0	2.035	N.D. #
16)	M	Endrin	0.00	0.00	0	0	N.D.	N.D.
17)		4,4'-DDD	0.00	11.30	0	219891	N.D.	0.742 #
18)		Endosulfan II	10.79	11.37	472734	529697	1.079	1.475 # -NTA
19)	M	4,4'-DDT	11.03	0.00	156171	0	0.582	N.D. #
20)		Endrin Aldehyde	11.07	0.00	4842341	0	19.106	N.D. #
21)		Endosulfan Sulfa	11.31	0.00	417755	0	0.989	N.D. #
22)		Methoxychlor	0.00	12.17	0	223694	N.D.	1.999 #
23)		Endrin Ketone	12.00f	0.00	337940	0	0.653	N.D. #

01236

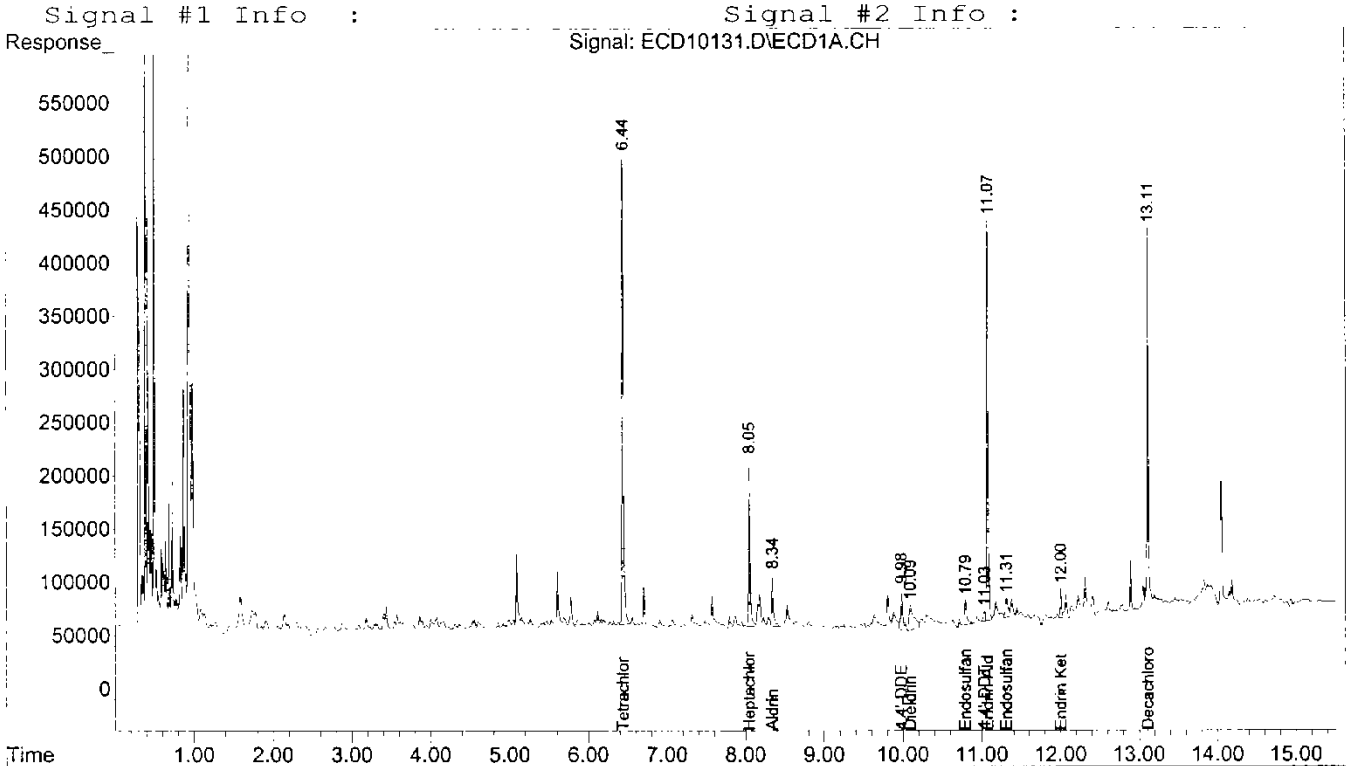
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

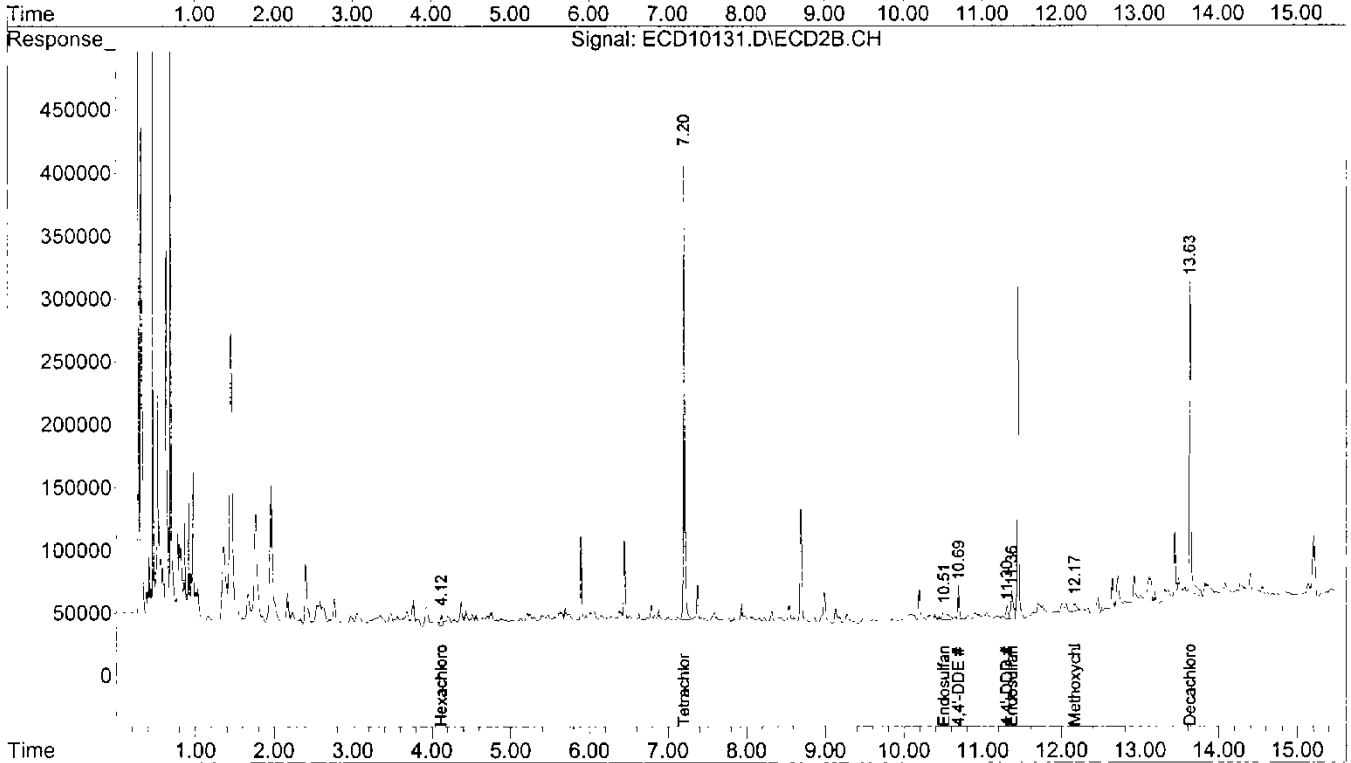
Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\050228\ECD10131.D\ECD1A.CH Vial: 18
Signal #2 : H:\DATA\050228\ECD10131.D\ECD2B.CH
Acq On : 2-28-2005 07:36:12 PM Operator: SJL/CRF
Sample : 126377-05 PE1833 Inst : Agilent E
Misc : SOLID &10 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Mar 1 10:09 2005 Quant Results File: 050228.RES

Quant Method : H:\METHODS\050228.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Tue Mar 01 10:07:07 2005
Response via : Multiple Level Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :





01237

Signal #1 : H:\DATA\050228\ECD10132.D\ECD1A.CH Vial: 19
Signal #2 : H:\DATA\050228\ECD10132.D\ECD2B.CH
Acq On : 2-28-2005 07:57:06 PM Operator: SJL/CRF
Sample : 126377-06 PE1833 Inst : Agilent E
Misc : SOLID &10 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Mar 01 10:09:39 2005 Quant Results File: 050228.RES

Quant Method : H:\METHODS\050228.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Tue Mar 01 10:07:07 2005
Response via : Initial Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
		System Monitoring Compounds							
2)	SR	Tetrachloro-m-xy	6.44	7.20	5423623	4899832	14.288	14.984	
		Spiked Amount 20.000 Range 60 - 150 Recovery =					71.44%	74.92%	
24)	SR	Decachlorobiphen	13.11	13.63	3874390	3358043	11.933	14.678	
		Spiked Amount 20.000 Range 60 - 150 Recovery =					59.66%#	73.39%	
		Target Compounds							
1)	T	Hexachlorobutadi	3.36	4.21f	153283	2331094	0.250	4.397	# RAT SPT
3)		alpha-BHC	0.00	0.00	0	0	N.D.	N.D.	
4)	T	Hexachlorobenzen	0.00	0.00	0	0	N.D.	N.D.	
5)	M	gamma-BHC (Linda	0.00	8.04	0	969091	N.D.	2.266	#
6)		beta-BHC	7.94	0.00	411747	0	1.711	N.D.	#
7)		delta-BHC	0.00	0.00	0	0	N.D.	N.D.	
8)	M	Heptachlor	8.05	0.00	2265226	0	4.708	N.D.	#
9)	M	Aldrin	8.34f	0.00	711878	0	1.370	N.D.	#
10)		Heptachlor Epoxi	0.00	0.00	0	0	N.D.	N.D.	
11)		gamma-Chlordane	0.00	10.34f	0	2966242	N.D.	7.656	#
12)		alpha-Chlordane	0.00	0.00	0	0	N.D.	N.D.	
13)		Endosulfan I	0.00	10.51f	0	396268	N.D.	1.116	#
14)		4,4'-DDE	0.00	0.00	0	0	N.D.	N.D.	
15)	M	Dieldrin	10.09	0.00	724511	0	1.549	N.D.	#
16)	M	Endrin	0.00	0.00	0	0	N.D.	N.D.	
17)		4,4'-DDD	0.00	0.00	0	0	N.D.	N.D.	
18)		Endosulfan II	10.79	11.37	1039042	722928	2.371	2.013	-MFA
19)	M	4,4'-DDT	11.07f	0.00	3704281	0	13.815	N.D.	#
20)		Endrin Aldehyde	11.07	0.00	3704281	0	14.615	N.D.	#
21)		Endosulfan Sulfa	11.31	0.00	922742	0	2.184	N.D.	#
22)		Methoxychlor	0.00	12.17	0	614658	N.D.	5.492	#
23)		Endrin Ketone	0.00	0.00	0	0	N.D.	N.D.	

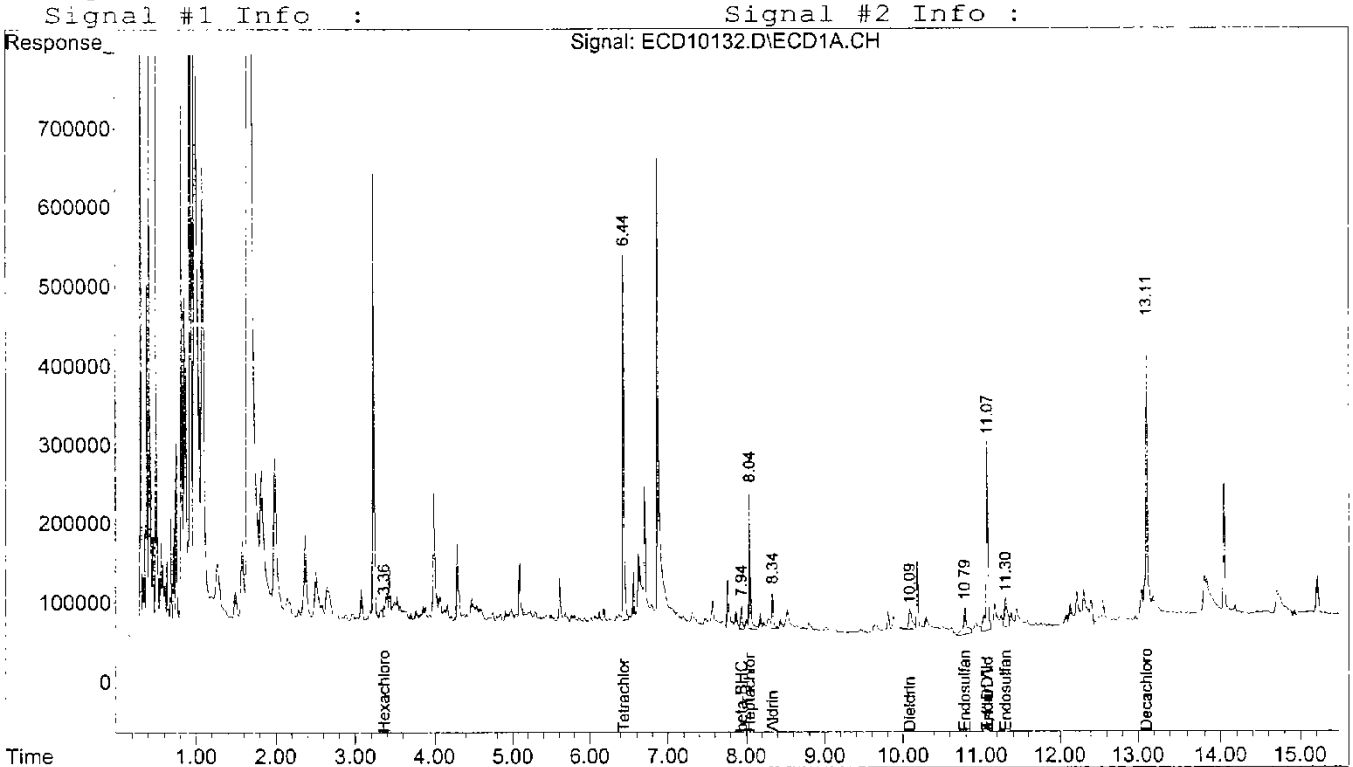
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

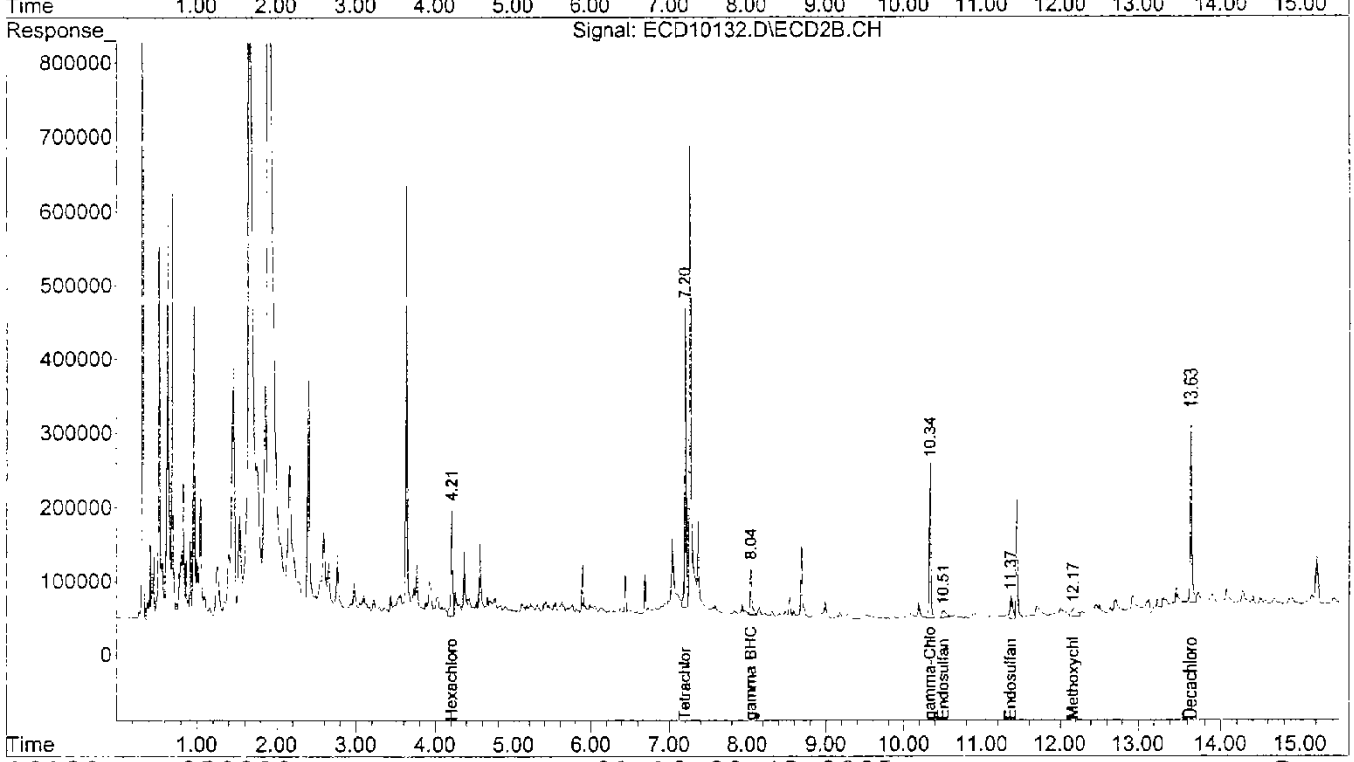
01238

Signal #1 : H:\DATA\050228\ECD10132.D\ECD1A.CH Vial: 19
Signal #2 : H:\DATA\050228\ECD10132.D\ECD2B.CH
Acq On : 2-28-2005 07:57:06 PM Operator: SJL/CRF
Sample : 126377-06 PE1833 Inst : Agilent E
Misc : SOLID &10 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Mar 1 10:09 2005 Quant Results File: 050228.RES

Quant Method : H:\METHODS\050228.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Tue Mar 01 10:07:07 2005
Response via : Multiple Level Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :





012379

Quantitation Report (QT Reviewed)

Signal #1 : H:\DATA\050228\ECD10135.D\ECD1A.CH Vial: 22
Signal #2 : H:\DATA\050228\ECD10135.D\ECD2B.CH
Acq On : 2-28-2005 08:59:56 PM Operator: SJL/CRF
Sample : 126377-07 PE1833 Inst : Agilent E
Misc : SOLID &10 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Mar 01 10:10:02 2005 Quant Results File: 050228.RES

Quant Method : H:\METHODS\050228.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Tue Mar 01 10:07:07 2005
Response via : Initial Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
2)	SR	Tetrachloro-m-xy	6.44	7.20	5579965	4727887	14.700	14.458
		Spiked Amount 20.000 Range 60 - 150 Recovery =					73.50%	72.29%
24)	SR	Decachlorobiphen	13.11	13.63	3859240	3270391	11.887	14.295
		Spiked Amount 20.000 Range 60 - 150 Recovery =					59.44%#	71.47%
		Target Compounds						
1)	T	Hexachlorobutadi	0.00	4.20f	0	195890	N.D.	0.369 #
3)		alpha-BHC	0.00	0.00	0	0	N.D.	N.D.
4)	T	Hexachlorobenzen	0.00	0.00	0	0	N.D.	N.D.
5)	M	gamma-BHC (Linda	0.00	0.00	0	0	N.D.	N.D.
6)		beta-BHC	0.00	0.00	0	0	N.D.	N.D.
7)		delta-BHC	0.00	0.00	0	0	N.D.	N.D.
8)	M	Heptachlor	8.05	0.00	2682353	0	5.575	N.D. #
9)	M	Aldrin	8.34	0.00	642807	0	1.237	N.D. #
10)		Heptachlor Epoxi	0.00	0.00	0	0	N.D.	N.D.
11)		gamma-Chlordane	0.00	0.00	0	0	N.D.	N.D.
12)		alpha-Chlordane	9.63	0.00	771335	0	1.471	N.D. #
13)		Endosulfan I	0.00	10.51f	0	517268	N.D.	1.457 #
14)		4,4'-DDE	9.98	10.69	768190	580666	1.930	1.823 -C1
15)	M	Dieldrin	10.09	0.00	1074056	0	2.297	N.D. #
16)	M	Endrin	0.00	0.00	0	0	N.D.	N.D.
17)		4,4'-DDD	10.71	11.30	236273	234670	0.599	0.792m# -C1
18)		Endosulfan II	10.79	11.37	952962	788394	2.174	2.195 -NTA
19)	M	4,4'-DDT	11.03	11.64	368290	95304	1.374 -C2	0.417m#
20)		Endrin Aldehyde	11.07	0.00	4055452	0	16.001	N.D. #
21)		Endosulfan Sulfa	11.31	0.00	885541	0	2.096	N.D. #
22)		Methoxychlor	0.00	12.17	0	482870	N.D.	4.315 #
23)		Endrin Ketone	0.00	0.00	0	0	N.D.	N.D.

01240

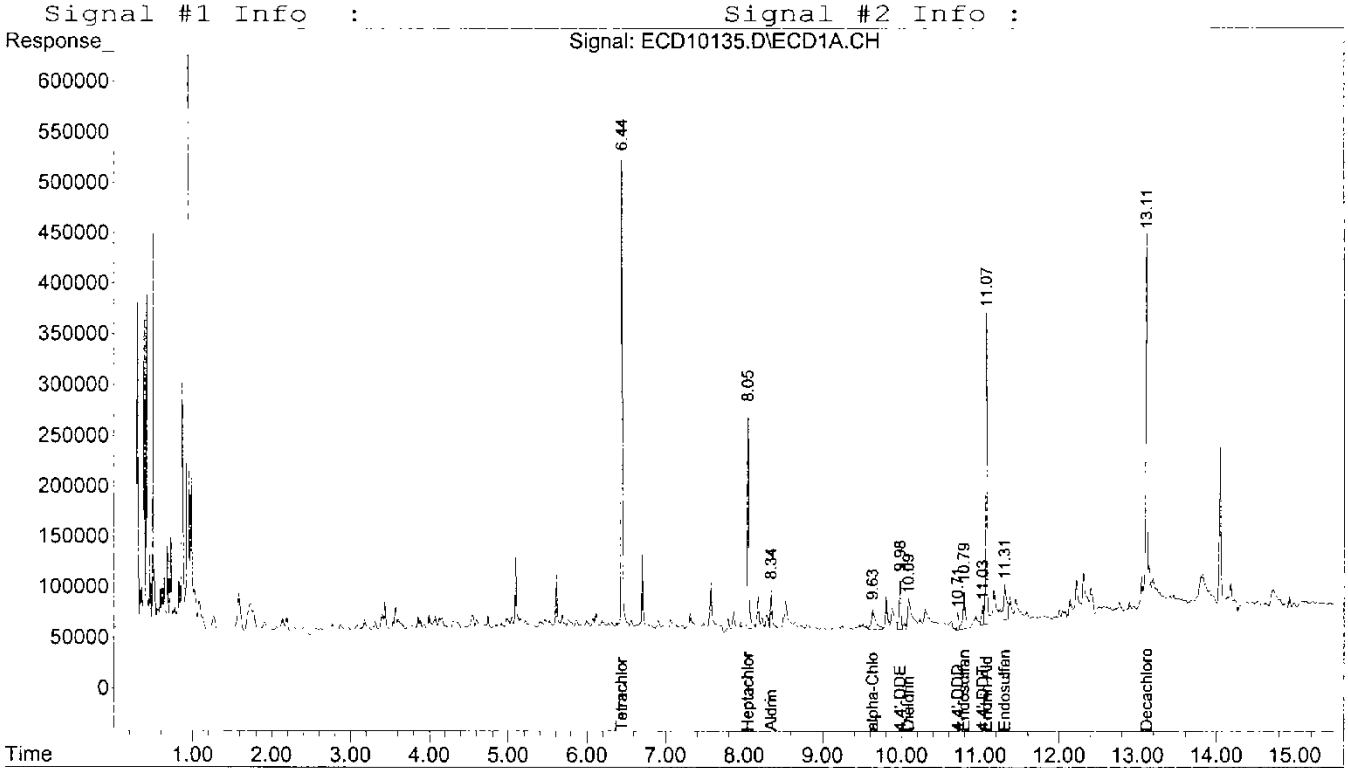
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

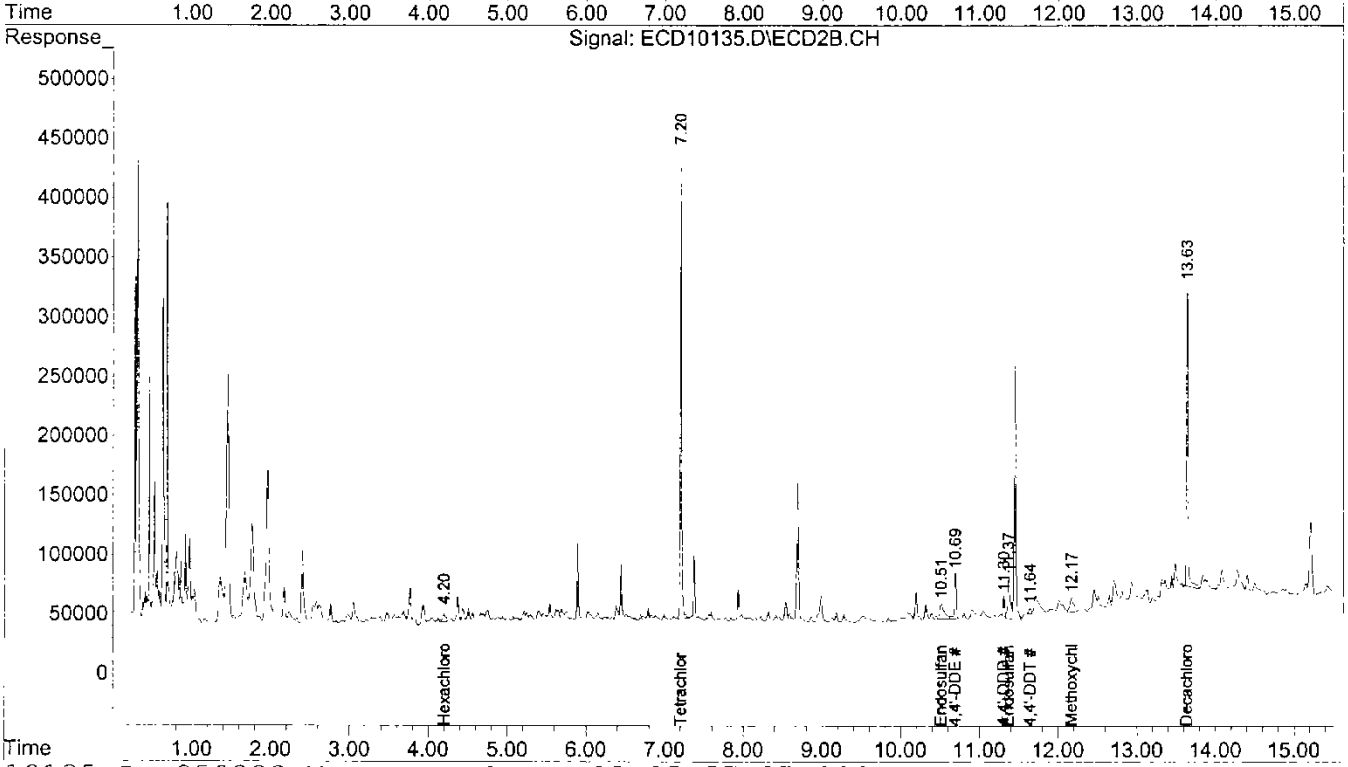
Quantitation Report (QT Reviewed)

Signal #1 : H:\DATA\050228\ECD10135.D\ECD1A.CH Vial: 22
Signal #2 : H:\DATA\050228\ECD10135.D\ECD2B.CH
Acq On : 2-28-2005 08:59:56 PM Operator: SJL/CRF
Sample : 126377-07 PE1833 Inst : Agilent E
Misc : SOLID &10 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Mar 2 5:57 2005 Quant Results File: 050228.RES

Quant Method : H:\METHODS\050228.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Tue Mar 01 10:07:07 2005
Response via : Multiple Level Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :



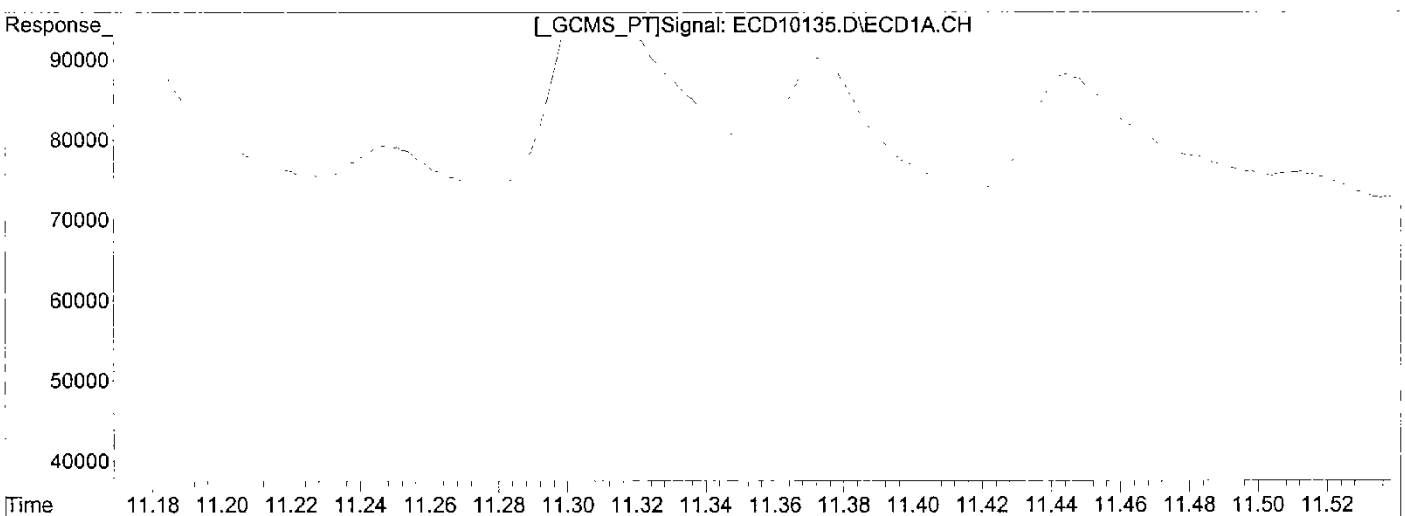


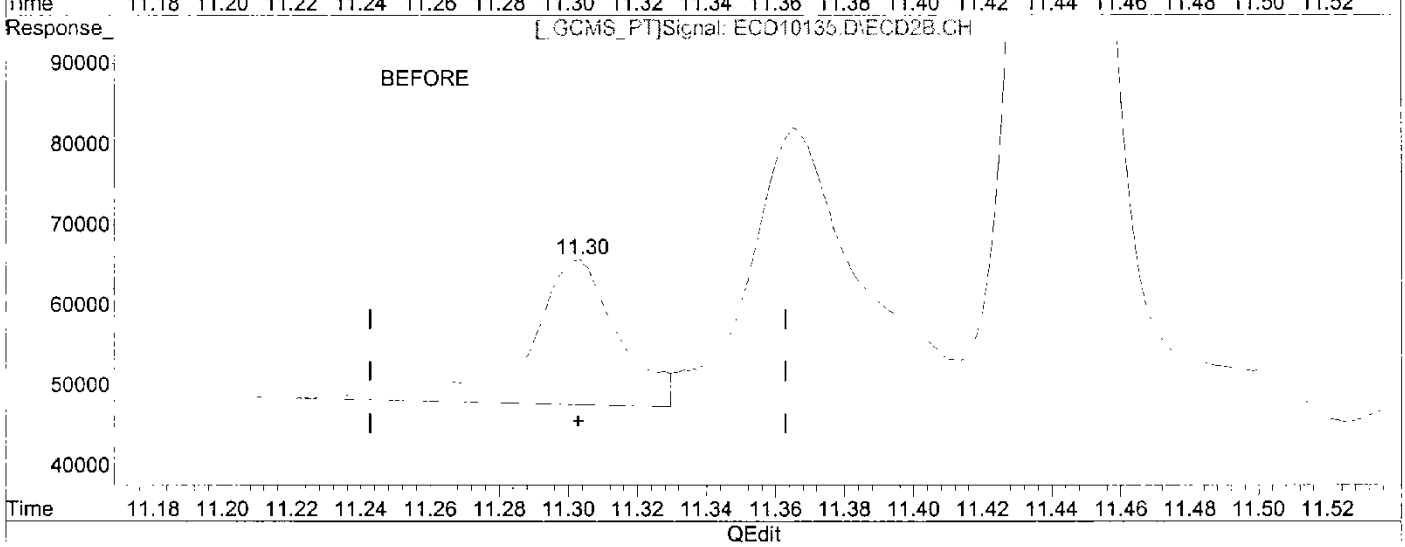
01241

Quantitation Report (Qedit)

Signal #1 : H:\DATA\050228\ECD10135.D\ECD1A.CH Vial: 22
Signal #2 : H:\DATA\050228\ECD10135.D\ECD2B.CH
Acq On : 2-28-2005 08:59:56 PM Operator: SJL/CRF
Sample : 126377-07 PE1833 Inst : Agilent E
Misc : SOLID &10 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Mar 1 10:10 2005 Quant Results File: 050228.RES

Method : H:\METHODS\050228.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Tue Mar 01 10:58:06 2005
Response via : Multiple Level Calibration





(17) 4,4'-DDD

10.71min 0.599ng/ml

response 236273

(17) 4,4'-DDD #2

11.30min 1.117ng/ml

response 330864

3/2/05

(+) = Expected Retention Time

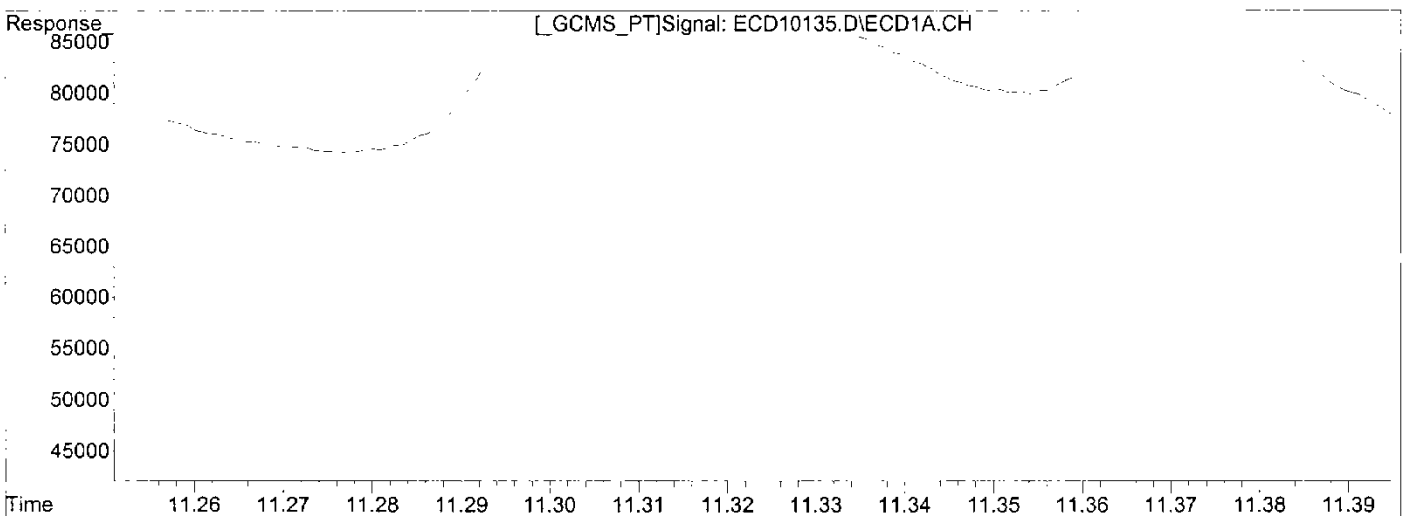
ECD10135.D 050228.M Wed Mar 02 05:55:24 2005

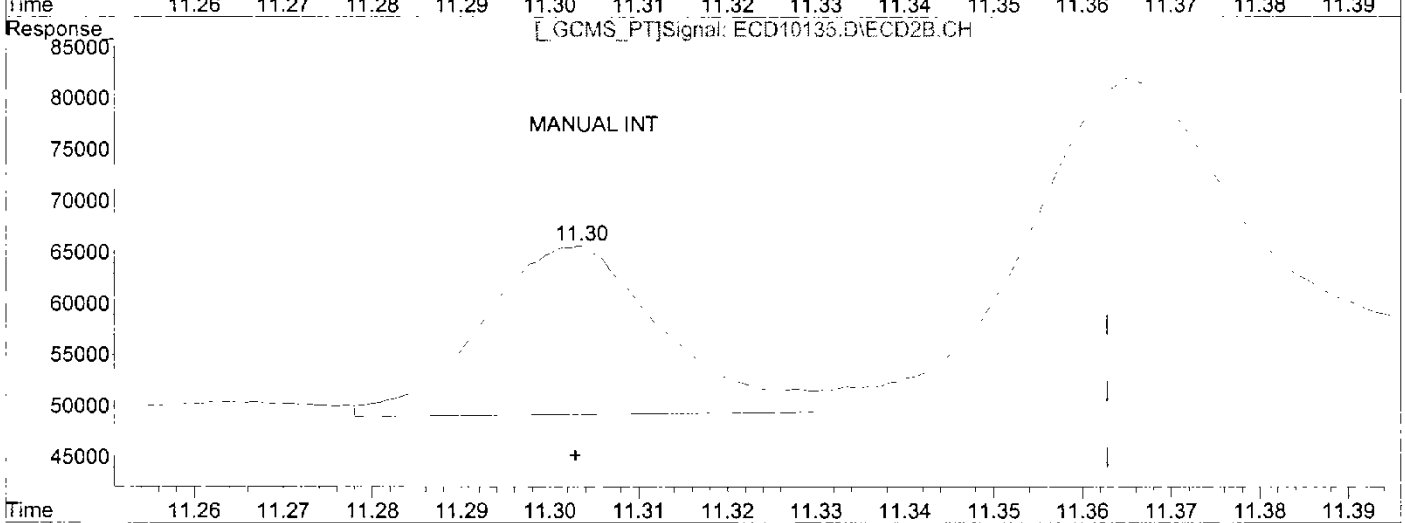
01242

Quantitation Report (Qedit)

Signal #1 : H:\DATA\050228\ECD10135.D\ECD1A.CH Vial: 22
Signal #2 : H:\DATA\050228\ECD10135.D\ECD2B.CH
Acq On : 2-28-2005 08:59:56 PM Operator: SJL/CRF
Sample : 126377-07 PE1833 Inst : Agilent E
Misc : SOLID &10 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Mar 1 10:10 2005 Quant Results File: 050228.RES

Method : H:\METHODS\050228.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Tue Mar 01 10:58:06 2005
Response via : Multiple Level Calibration





(17) 4,4'-DDD

10.71min 0.599ng/ml

response 236273

(17) 4,4'-DDD #2

11.30min 0.788ng/ml m

response 233545

3/2/5

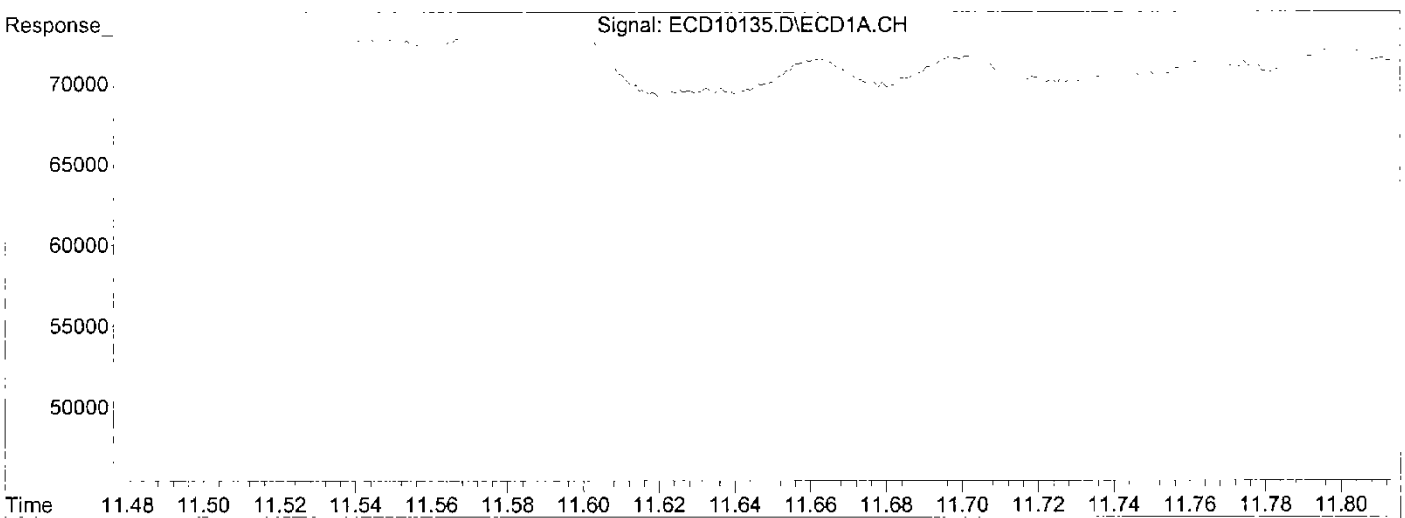
(+) = Expected Retention Time

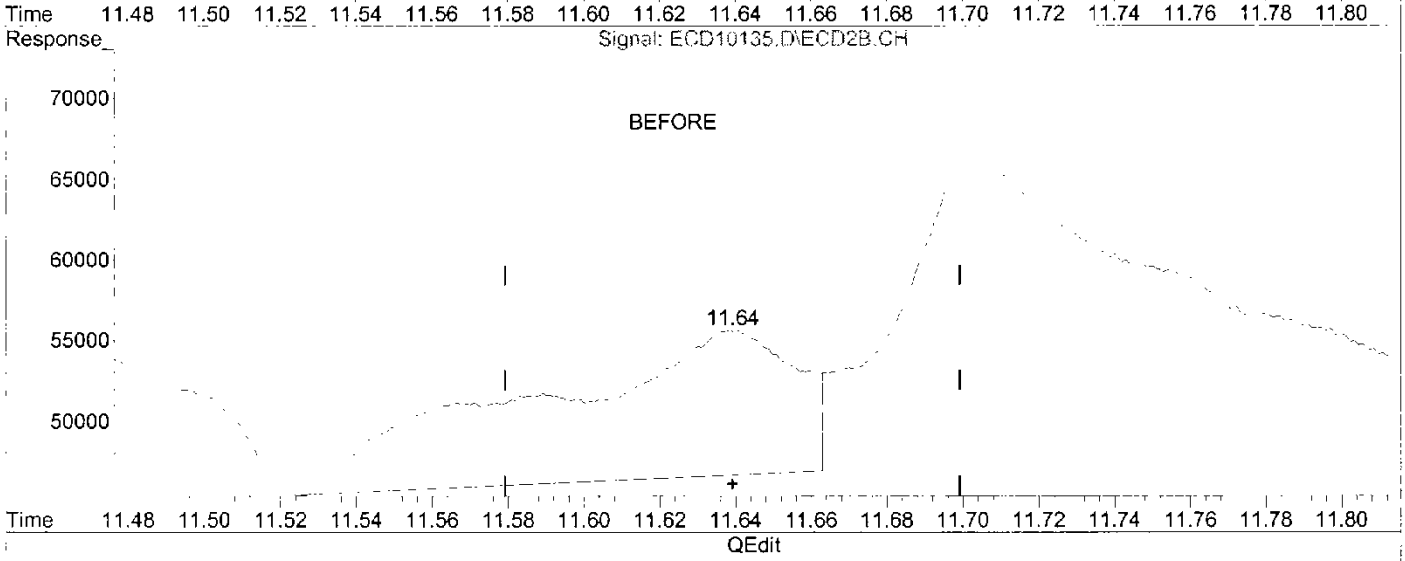
01243

Quantitation Report (Qedit)

Signal #1 : H:\DATA\050228\ECD10135.D\ECD1A.CH Vial: 22
Signal #2 : H:\DATA\050228\ECD10135.D\ECD2B.CH
Acq On : 2-28-2005 08:59:56 PM Operator: SJL/CRF
Sample : 126377-07 PE1833 Inst : Agilent E
Misc : SOLID &10 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Mar 1 10:10 2005 Quant Results File: 050228.RES

Method : H:\METHODS\050228.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Tue Mar 01 10:58:06 2005
Response via : Multiple Level Calibration





(19) 4,4'-DDT (M)

11.03min 1.374PPB

response 368290

(19) 4,4'-DDT #2 (M)

11.64min 1.903PPB

response 435129

(+) = Expected Retention Time

ECD10135.D 050228.M Wed Mar 02 05:56:02 2005

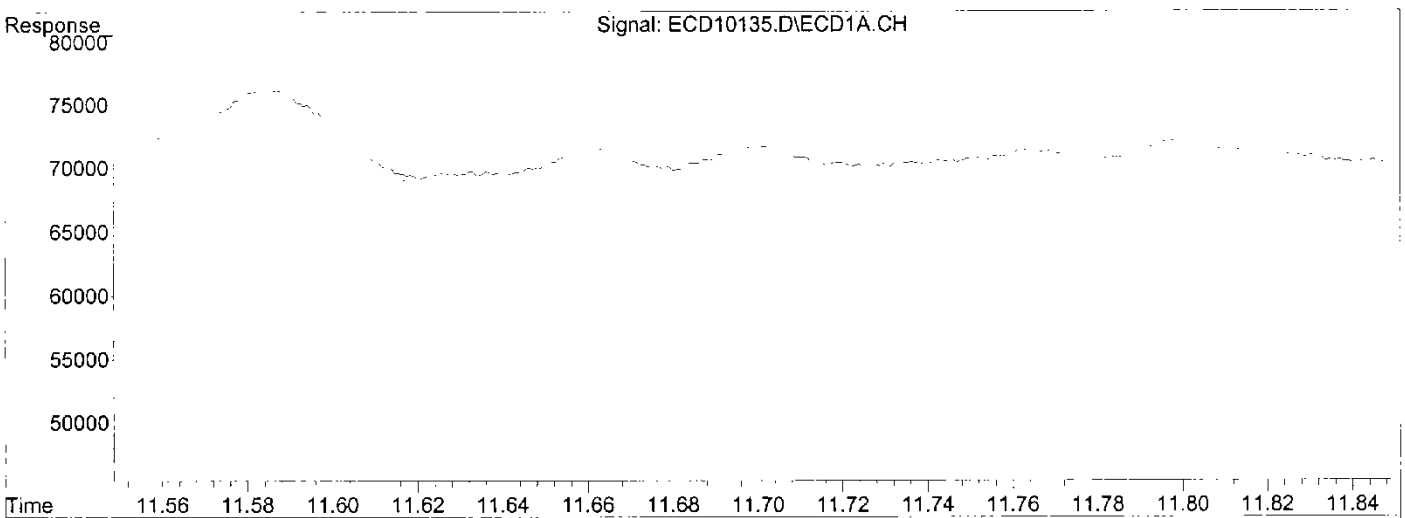
3/2/05

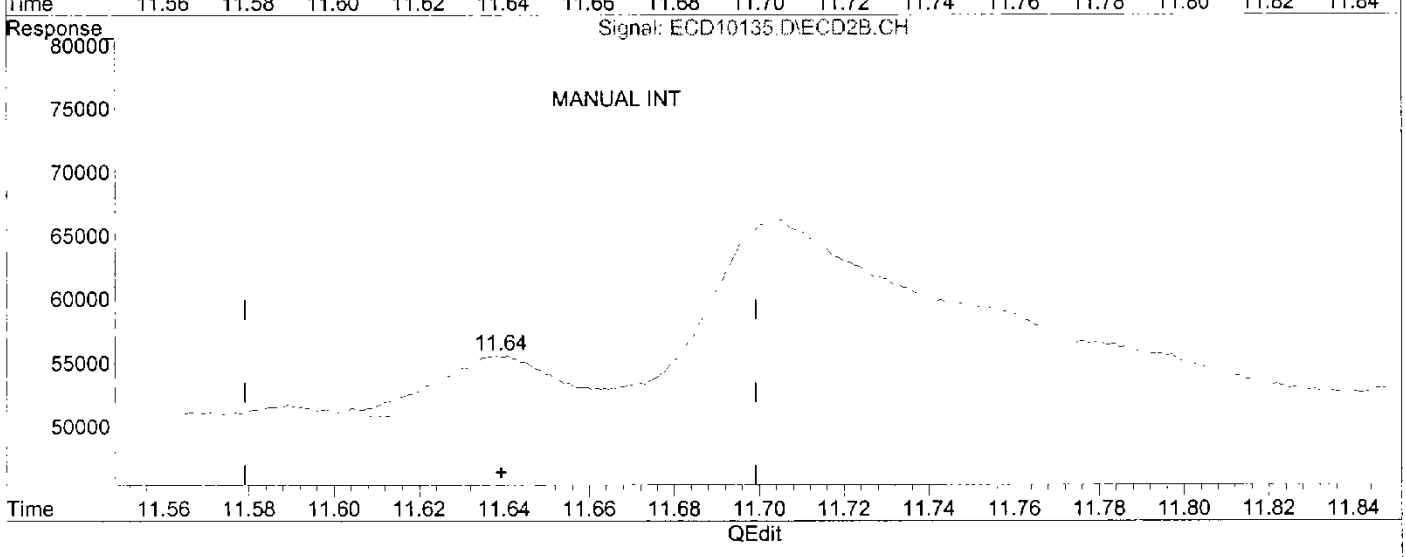
01244

Quantitation Report (Qedit)

Signal #1 : H:\DATA\050228\ECD10135.D\ECD1A.CH Vial: 22
Signal #2 : H:\DATA\050228\ECD10135.D\ECD2B.CH
Acq On : 2-28-2005 08:59:56 PM Operator: SJL/CRF
Sample : 126377-07 PE1833 Inst : Agilent E
Misc : SOLID &10 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Mar 1 10:10 2005 Quant Results File: 050228.RES

Method : H:\METHODS\050228.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Tue Mar 01 10:58:06 2005
Response via : Multiple Level Calibration





(19) 4,4'-DDT (M)

11.03min 1.374PPB

response 368290

(19) 4,4'-DDT #2 (M)

11.64min 0.425PPB m

response 97130

(+) = Expected Retention Time
ECD10135.D 050228.M Wed Mar 02 05:56:22 2005

3/2/05

01245

Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\050228\ECD10136.D\ECD1A.CH Vial: 23
Signal #2 : H:\DATA\050228\ECD10136.D\ECD2B.CH
Acq On : 2-28-2005 09:20:51 PM Operator: SJL/CRF
Sample : 126377-08 PE1833 Inst : Agilent E
Misc : SOLID &10 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Mar 01 10:10:09 2005 Quant Results File: 050228.RES

Quant Method : H:\METHODS\050228.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Tue Mar 01 10:07:07 2005
Response via : Initial Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
2)	SR	Tetrachloro-m-xy	6.44	7.20	6382064	5542856	16.813	16.950
		Spiked Amount 20.000 Range 60 - 150 Recovery =					84.06%	84.75%
24)	SR	Decachlorobiphen	13.11	13.63	4528523	3643777	13.948	15.927
		Spiked Amount 20.000 Range 60 - 150 Recovery =					69.74%	79.64%
		Target Compounds						
1)	T	Hexachlorobutadi	0.00	0.00	0	0	N.D.	N.D.
3)		alpha-BHC	0.00	0.00	0	0	N.D.	N.D.
4)	T	Hexachlorobenzen	0.00	0.00	0	0	N.D.	N.D.
5)	M	gamma-BHC (Linda	0.00	0.00	0	0	N.D.	N.D.
6)		beta-BHC	0.00	0.00	0	0	N.D.	N.D.
7)		delta-BHC	0.00	0.00	0	0	N.D.	N.D.
8)	M	Heptachlor	8.05	0.00	2884742	0	5.995	N.D. #
9)	M	Aldrin	8.34	9.27f	652511	199251	1.256	0.481 #
10)		Heptachlor Epoxi	0.00	0.00	0	0	N.D.	N.D.
11)		gamma-Chlordane	0.00	0.00	0	0	N.D.	N.D.
12)		alpha-Chlordane	9.63	0.00	781980	0	1.491	N.D. #
13)		Endosulfan I	0.00	10.51f	0	475678	N.D.	1.340 #
14)		4,4'-DDE	0.00	10.69	0	151102	N.D.	0.474 #
15)	M	Dieldrin	10.09	0.00	807137	0	1.726	N.D. #
16)	M	Endrin	0.00	0.00	0	0	N.D.	N.D.
17)		4,4'-DDD	0.00	0.00	0	0	N.D.	N.D.
18)		Endosulfan II	10.79	11.37	911050	747966	2.079	2.083
19)	M	4,4'-DDT	11.07f	0.00	3015014	0	11.244	N.D. #
20)		Endrin Aldehyde	11.07	0.00	3015014	0	11.896	N.D. #
21)		Endosulfan Sulfa	11.31	0.00	799461	0	1.892	N.D. #
22)		Methoxychlor	0.00	12.17	0	431765	N.D.	3.858 #
23)		Endrin Ketone	12.00f	0.00	696422	0	1.346	N.D. #

01246

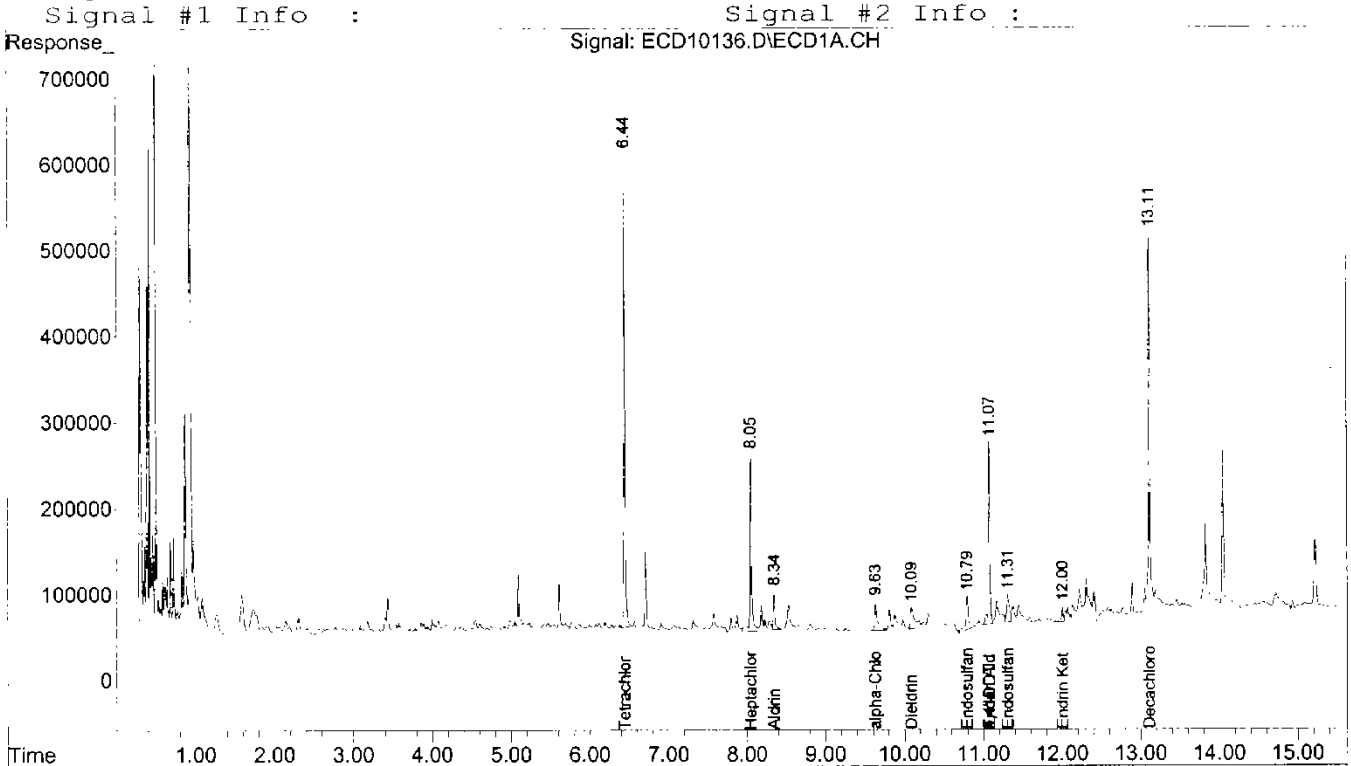
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

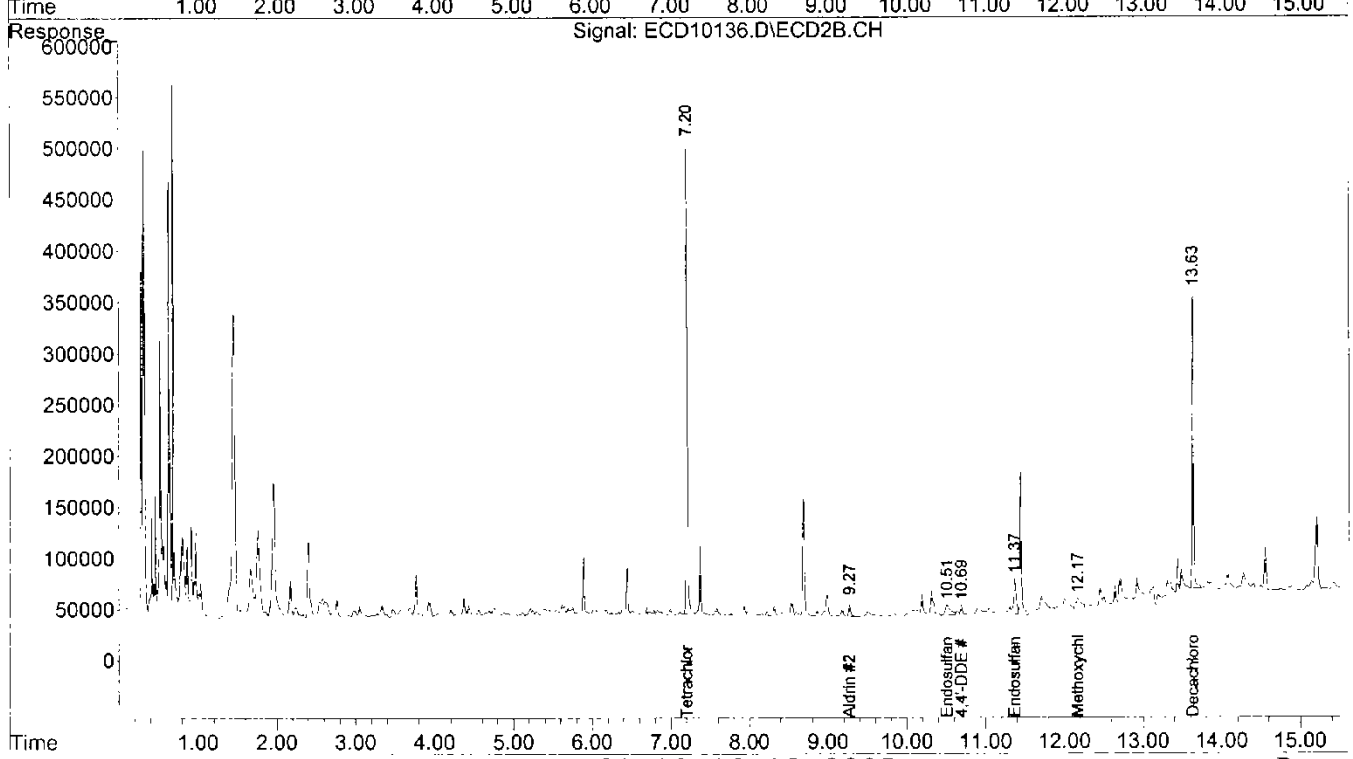
Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\050228\ECD10136.D\ECD1A.CH Vial: 23
Signal #2 : H:\DATA\050228\ECD10136.D\ECD2B.CH
Acq On : 2-28-2005 09:20:51 PM Operator: SJL/CRF
Sample : 126377-08 PE1833 Inst : Agilent E
Misc : SOLID &10 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Mar 1 10:10 2005 Quant Results File: 050228.RES

Quant Method : H:\METHODS\050228.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Tue Mar 01 10:07:07 2005
Response via : Multiple Level Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :





01247

INITIAL CALIBRATION

Response Factor Report Agilent E

Method : H:\METHODS\050228.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Tue Mar 01 10:07:07 2005

Calibration Files
1 =ECD10117.D 2 =ECD10118.D 5 =ECD10119.D
10 =ECD10120.D 20 =ECD10121.D 50 =ECD10122.D

		Compound	1	2	5	10	20	50	Avg		%RSD
1)	T	Hexachlorobutadi	6.303	5.890	5.786	5.992	6.279	6.594	6.141	E5	4.95
2)	SR	Tetrachloro-m-xy	3.911	3.690	3.696	3.828	3.820	3.829	3.796	E5	2.27
3)		alpha-BHC	5.441	5.236	5.519	5.982	6.163	6.369	5.785	E5	7.78
4)	T	Hexachlorobenzen	4.829	4.577	4.345	4.254	4.175	4.112	4.382	E5	6.22
5)	M	gamma-BHC (Linda	5.074	4.778	4.870	5.308	5.391	5.529	5.158	E5	5.81
6)		beta-BHC	2.650	2.499	2.382	2.336	2.295	2.272	2.406	E5	5.99
7)		delta-BHC	4.917	4.702	4.773	4.920	5.282	5.502	5.016	E5	6.20
8)	M	Heptachlor	5.395	4.573	4.421	4.670	4.841	4.969	4.812	E5	7.17
9)	M	Aldrin	5.358	5.082	4.991	5.078	5.295	5.376	5.197	E5	3.19
10)		Heptachlor Epoxi	5.180	4.784	4.587	4.664	4.685	4.659	4.760	E5	4.53
11)		gamma-Chlordane	5.234	4.791	4.656	4.786	4.875	4.996	4.890	E5	4.14
12)		alpha-Chlordane	5.710	5.209	5.016	5.097	5.160	5.266	5.243	E5	4.66
13)		Endosulfan I	5.035	4.586	4.395	4.537	4.355	4.464	4.562	E5	5.42
14)		4,4'-DDE	3.876	3.684	3.775	4.161	4.141	4.250	3.981	E5	5.86
15)	M	Dieldrin	4.675	4.438	4.509	4.908	4.779	4.748	4.676	E5	3.75
16)	M	Endrin	3.146	2.936	2.963	3.130	3.221	3.298	3.116	E5	4.57
17)		4,4'-DDD	4.016	3.790	3.779	4.051	4.006	4.007	3.942	E5	3.11
18)		Endosulfan II	5.566	4.526	4.121	4.059	4.062	3.960	4.382	E5	13.98
19)	M	4,4'-DDT	2.339	2.262	2.466	2.726	3.012	3.282	2.681	E5	15.02
20)		Endrin Aldehyde	3.054	2.511	2.412	2.586	2.349	2.296	2.534	E5	10.87
21)		Endosulfan Sulfa	4.734	4.365	4.251	4.265	3.882	3.851	4.225	E5	7.77
22)		Methoxychlor	1.413	1.353	1.360	1.417	1.450	1.454	1.408	E5	3.07
23)		Endrin Ketone	5.654	5.121	5.114	5.162	5.099	4.895	5.174	E5	4.89
24)	SR	Decachlorobiphen	3.739	3.333	3.185	2.962	3.169	3.093	3.247	E5	8.31

Signal #2 Calibration Files
1 =ECD10117.D 2 =ECD10118.D 5 =ECD10119.D
10 =ECD10120.D 20 =ECD10121.D 50 =ECD10122.D

		Compound	1	2	5	10	20	50	Avg		%RSD
1)	T	Hexachlorobutadi	5.597	5.218	5.173	5.322	5.271	5.230	5.302	E5	2.89
2)	SR	Tetrachloro-m-xy	3.434	3.197	3.217	3.354	3.258	3.161	3.270	E5	3.18
3)		alpha-BHC	4.786	4.527	4.673	5.035	5.060	5.100	4.864	E5	4.86
4)	T	Hexachlorobenzen	4.131	3.864	3.722	3.703	3.665	3.551	3.773	E5	5.37
5)	M	gamma-BHC (Linda	4.339	4.058	4.136	4.369	4.358	4.407	4.278	E5	3.37
6)		beta-BHC	2.228	2.107	2.041	1.997	1.985	1.894	2.042	E5	5.63
7)		delta-BHC	3.914	3.686	3.787	3.854	4.103	4.219	3.927	E5	5.09
8)	M	Heptachlor	4.486	4.148	4.113	4.220	4.217	4.149	4.222	E5	3.22
9)	M	Aldrin	4.449	4.070	4.033	4.061	4.137	4.112	4.144	E5	3.73
10)		Heptachlor Epoxi	4.326	3.823	3.700	3.729	3.662	3.560	3.800	E5	7.14
11)		gamma-Chlordane	4.214	3.844	3.763	3.833	3.804	3.789	3.875	E5	4.36
12)		alpha-Chlordane	4.529	4.178	4.067	4.072	4.047	3.996	4.148	E5	4.72
13)		Endosulfan I	3.889	3.592	3.471	3.557	3.445	3.345	3.550	E5	5.29
14)		4,4'-DDE	3.257	3.077	3.094	3.296	3.206	3.177	3.184	E5	2.74
15)	M	Dieldrin	3.865	3.638	3.645	3.820	3.681	3.553	3.700	E5	3.21
16)	M	Endrin	3.086	2.864	2.808	2.886	2.873	2.818	2.889	E5	3.50
17)		4,4'-DDD	3.109	2.843	2.909	3.066	2.950	2.896	2.962	E5	3.50
18)		Endosulfan II	4.602	3.758	3.509	3.365	3.249	3.066	3.591	E5	15.25
19)	M	4,4'-DDT	2.233	2.097	2.192	2.331	2.400	2.467	2.287	E5	6.04
20)		Endrin Aldehyde	1.907	1.708	1.845	1.987	1.793	1.731	1.829	E5	5.83
21)		Endosulfan Sulfa	3.558	3.268	3.139	3.123	3.072	2.932	3.182	E5	6.72
22)		Methoxychlor	1.202	1.103	1.114	1.120	1.103	1.072	1.119	E5	3.94
23)		Endrin Ketone	4.516	4.177	4.034	4.064	3.902	3.666	4.060	E5	6.99
24)	SR	Decachlorobiphen	2.794	2.448	2.249	2.040	2.148	2.046	2.288	E5	12.71

(#) = Out of Range

01249

Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\050228\ECD10117.D\ECD1A.CH Vial: 2
Signal #2 : H:\DATA\050228\ECD10117.D\ECD2B.CH
Acq On : 2-28-2005 02:43:10 PM Operator: SJL/CRF
Sample : 1.0UG/L 8081 STD 1174-29-02 Inst : Agilent E
Misc : Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Mar 01 10:58:28 2005 Quant Results File: 050228.RES

Quant Method : H:\METHODS\050228.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Tue Mar 01 10:07:07 2005
Response via : Initial Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
2)	SR	Tetrachloro-m-xy	6.44	7.20	782222	686719	2.061	2.100
		Spiked Amount 20.000 Range 60 - 150 Recovery =					10.31%#	10.50%#
24)	SR	Decachlorobiphen	13.11	13.63	1495506	1117616	4.606	4.885
		Spiked Amount 20.000 Range 60 - 150 Recovery =					23.03%#	24.43%#
		Target Compounds						
1)	T	Hexachlorobutadi	3.34	4.17	630328	559667	1.026	1.056
3)		alpha-BHC	7.22	7.69	544061	478637	0.940	0.984
4)	T	Hexachlorobenzen	7.08	7.78	482907	413148	1.102	1.095
5)	M	gamma-BHC (Linda	7.64	8.07	507429	433896	0.984	1.014
6)		beta-BHC	7.95	8.45	265027	222831	1.102	1.091
7)		delta-BHC	8.25	8.79	491713	391356	0.980	0.997
8)	M	Heptachlor	8.02	8.84	539486	448616	1.121	1.063
9)	M	Aldrin	8.37	9.32	535798	444946	1.031	1.074
10)		Heptachlor Epoxi	9.17	9.96	518004	432581	1.088	1.138
11)		gamma-Chlordane	9.51	10.39	523385	421442	1.070	1.088
12)		alpha-Chlordane	9.64	10.44	570951	452896	1.089	1.092
13)		Endosulfan I	9.70	10.48	503529	388920	1.104	1.096
14)		4,4'-DDE	9.98	10.69	775278	651346	1.947	2.045
15)	M	Dieldrin	10.08	10.80	935041	773016	2.000	2.089
16)	M	Endrin	10.47	11.06	629258	617199	2.020	2.136
17)		4,4'-DDD	10.71	11.30	803193	621807	2.038	2.099
18)		Endosulfan II	10.81	11.39	1113263	920392	2.540	2.563
19)	M	4,4'-DDT	11.03	11.64	467872	446584	1.745	1.953
20)		Endrin Aldehyde	11.09	11.51	610762	381394	2.410	2.086
21)		Endosulfan Sulfa	11.33	11.83	946895	711602	2.241	2.236
22)		Methoxychlor	11.83	12.14	1412665	1202499	10.034	10.745
23)		Endrin Ketone	11.96	12.26	1130725	903279	2.185	2.225

01250

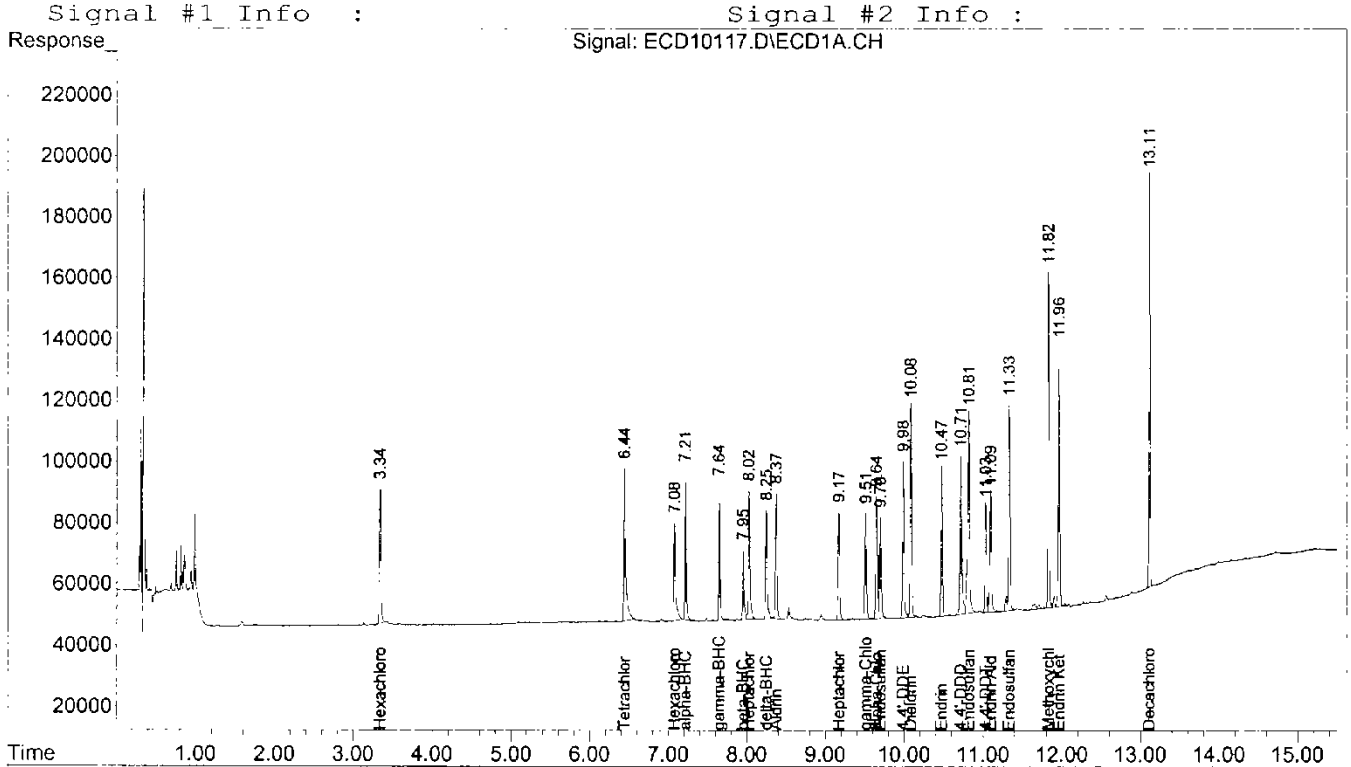
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

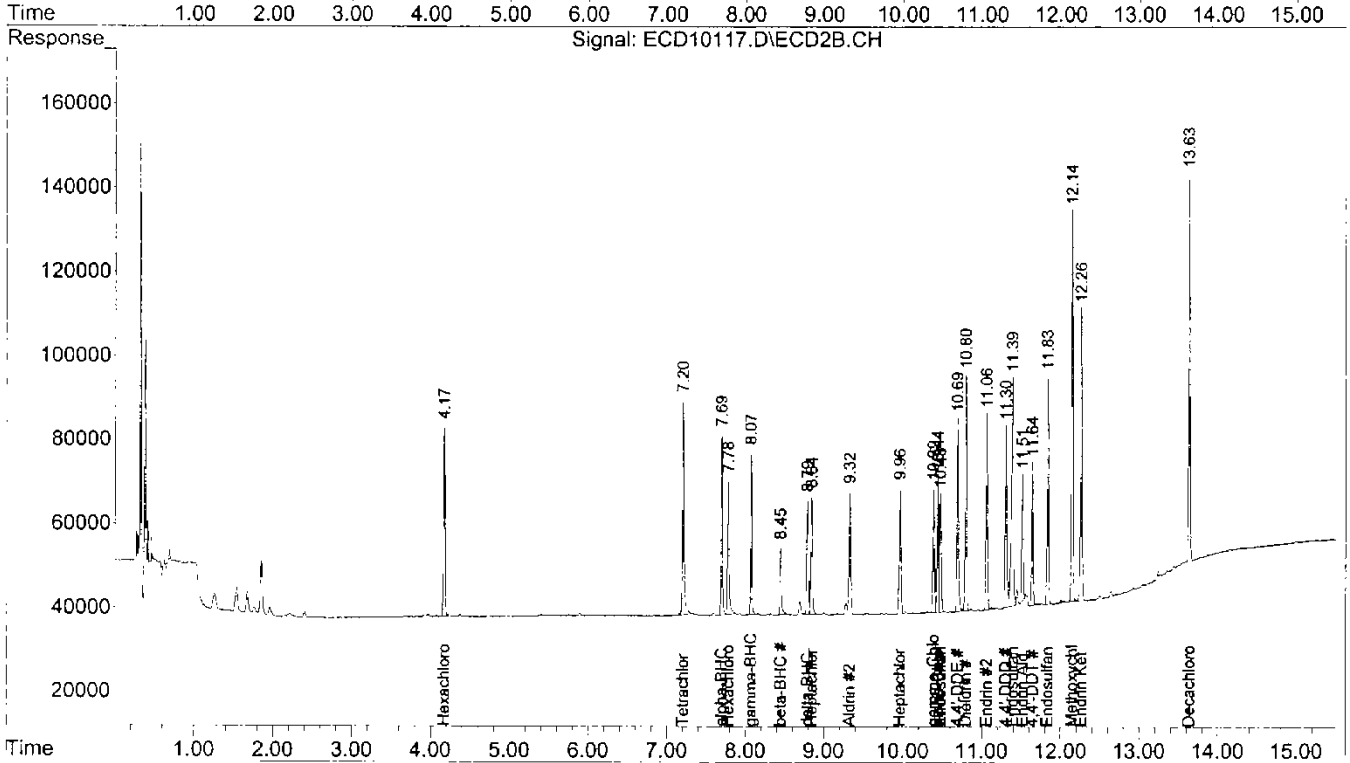
Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\050228\ECD10117.D\ECD1A.CH Vial: 2
Signal #2 : H:\DATA\050228\ECD10117.D\ECD2B.CH
Acq On : 2-28-2005 02:43:10 PM Operator: SJL/CRF
Sample : 1.0UG/L 8081 STD 1174-29-02 Inst : Agilent E
Misc : Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Mar 1 10:58 2005 Quant Results File: 050228.RES

Quant Method : H:\METHODS\050228.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Tue Mar 01 10:07:07 2005
Response via : Multiple Level Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :





01251

Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\050228\ECD10118.D\ECD1A.CH Vial: 3
Signal #2 : H:\DATA\050228\ECD10118.D\ECD2B.CH
Acq On : 2-28-2005 03:04:05 PM Operator: SJL/CRF
Sample : 2.0UG/L 8081 STD 1174-29-03 Inst : Agilent E
Misc : Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Mar 01 10:58:37 2005 Quant Results File: 050228.RES

Quant Method : H:\METHODS\050228.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Tue Mar 01 10:58:06 2005
Response via : Initial Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
2)	SR	Tetrachloro-m-xy	6.44	7.20	1476198	1278813	3.889	3.911
Spiked Amount			20.000	Range	60 - 150	Recovery	=	19.44%# 19.56%#
24)	SR	Decachlorobiphen	13.11	13.63	2666032	1958708	8.212	8.562
Spiked Amount			20.000	Range	60 - 150	Recovery	=	41.06%# 42.81%#
		Target Compounds						
1)	T	Hexachlorobutadi	3.34	4.17	1178079	1043621	1.918	1.968
3)		alpha-BHC	7.21	7.69	1047145	905469	1.810	1.862
4)	T	Hexachlorobenzen	7.08	7.78	915314	772724	2.089	2.048
5)	M	gamma-BHC (Linda	7.64	8.07	955543	811516	1.852	1.897
6)		beta-BHC	7.95	8.45	499881	421406	2.078	2.063
7)		delta-BHC	8.25	8.79	940476	737125	1.875	1.877
8)	M	Heptachlor	8.02	8.84	914697	829580	1.901	1.965
9)	M	Aldrin	8.37	9.32	1016363	814016	1.956	1.964
10)		Heptachlor Epoxi	9.17	9.96	956757	764689	2.010	2.012
11)		gamma-Chlordane	9.51	10.39	958189	768786	1.960	1.984
12)		alpha-Chlordane	9.65	10.44	1041867	835667	1.987	2.015
13)		Endosulfan I	9.70	10.48	917219	718390	2.010	2.024
14)		4,4'-DDE	9.98	10.69	1473616	1230671	3.701	3.865
15)	M	Dieldrin	10.08	10.80	1775152	1455132	3.796	3.933
16)	M	Endrin	10.47	11.06	1174273	1145786	3.769	3.966
17)		4,4'-DDD	10.71	11.30	1516122	1137205	3.846	3.839
18)		Endosulfan II	10.82	11.39	1810395	1503173	4.131	4.186
19)	M	4,4'-DDT	11.03	11.64	904971	838719	3.375	3.668
20)		Endrin Aldehyde	11.09	11.51	1004231	683208	3.962	3.736
21)		Endosulfan Sulfa	11.33	11.83	1745988	1307310	4.133	4.108
22)		Methoxychlor	11.83	12.14	2706581	2206749	19.225	19.719
23)		Endrin Ketone	11.96	12.26	2048406	1670668	3.959	4.115

01252

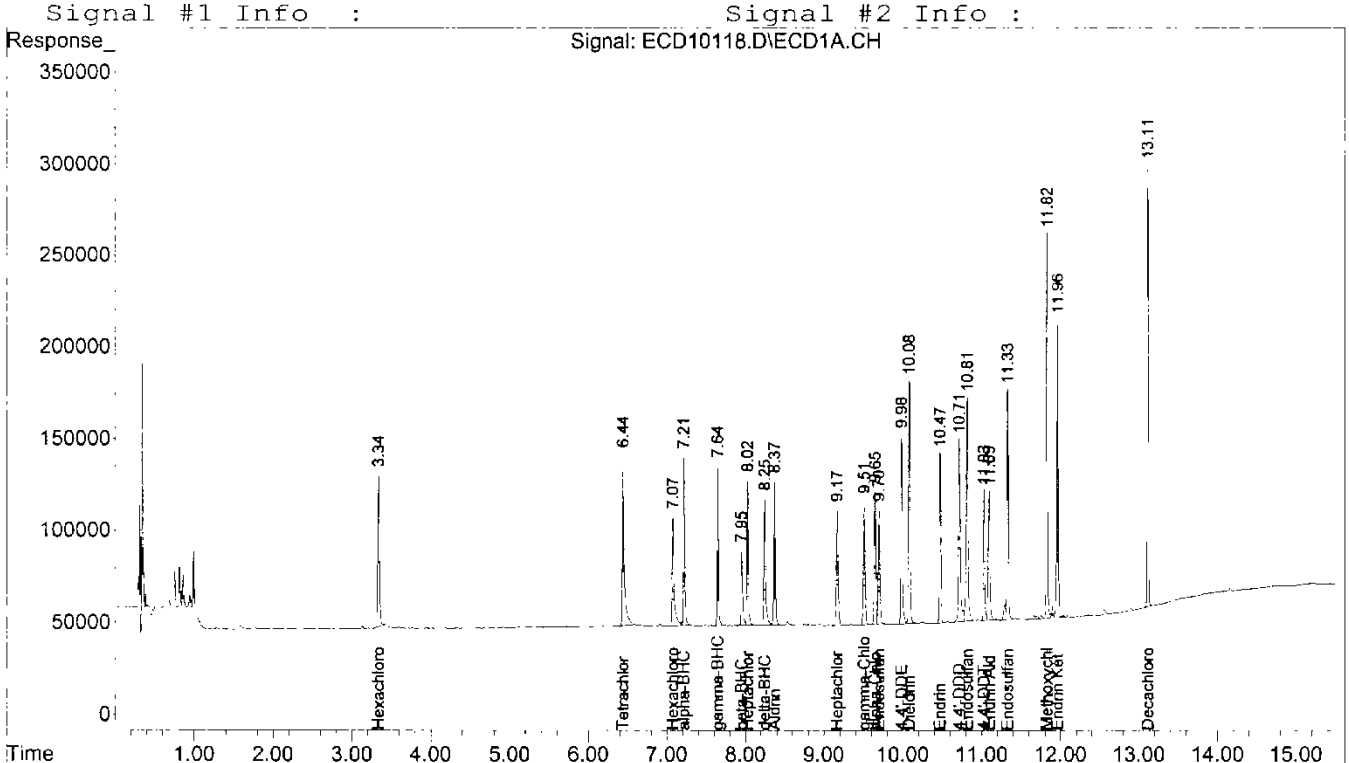
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

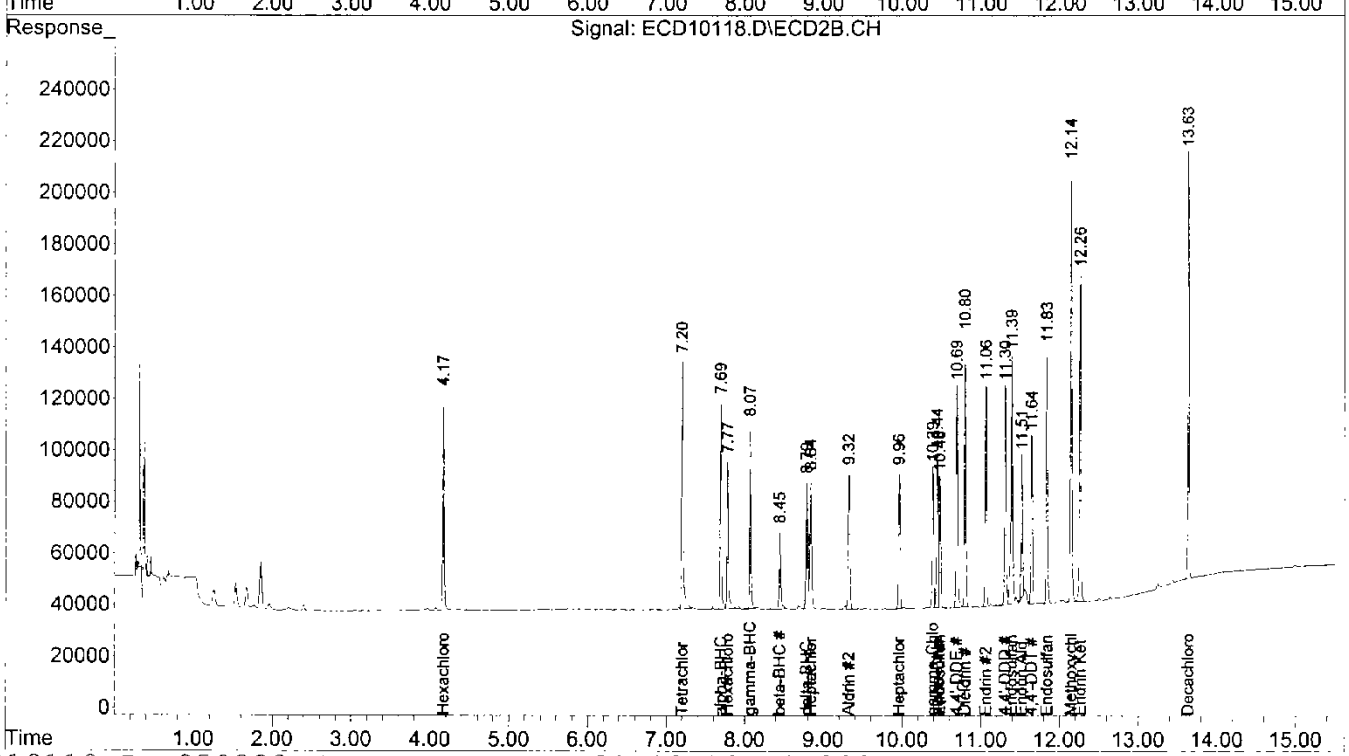
Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\050228\ECD10118.D\ECD1A.CH Vial: 3
Signal #2 : H:\DATA\050228\ECD10118.D\ECD2B.CH
Acq On : 2-28-2005 03:04:05 PM Operator: SJL/CRF
Sample : 2.0UG/L 8081 STD 1174-29-03 Inst : Agilent E
Misc : Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Mar 1 10:58 2005 Quant Results File: 050228.RES

Quant Method : H:\METHODS\050228.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Tue Mar 01 10:58:06 2005
Response via : Multiple Level Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :





01253

Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\050228\ECD10119.D\ECD1A.CH Vial: 4
Signal #2 : H:\DATA\050228\ECD10119.D\ECD2B.CH
Acq On : 2-28-2005 03:25:02 PM Operator: SJL/CRF
Sample : 5.0UG/L 8081 STD 1174-29-04 Inst : Agilent E
Misc : Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Mar 01 10:58:46 2005 Quant Results File: 050228.RES

Quant Method : H:\METHODS\050228.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Tue Mar 01 10:58:06 2005
Response via : Initial Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
2)	SR	Tetrachloro-m-xy	6.44	7.20	3696097	3217087	9.737	9.838
Spiked Amount			20.000	Range	60 - 150	Recovery	=	48.69%# 49.19%#
24)	SR	Decachlorobiphen	13.11	13.63	6370719	4498489	19.622	19.663
Spiked Amount			20.000	Range	60 - 150	Recovery	=	98.11% 98.31%
		Target Compounds						
1)	T	Hexachlorobutadi	3.34	4.17	2892823	2586724	4.711	4.879
3)		alpha-BHC	7.21	7.69	2759486	2336253	4.770	4.804
4)	T	Hexachlorobenzen	7.08	7.78	2172384	1861096	4.958	4.933
5)	M	gamma-BHC (Linda	7.64	8.07	2435057	2067815	4.721	4.834
6)		beta-BHC	7.95	8.45	1191235	1020577	4.951	4.997
7)		delta-BHC	8.25	8.79	2386499	1893391	4.758	4.822
8)	M	Heptachlor	8.02	8.84	2210594	2056456	4.594	4.871
9)	M	Aldrin	8.37	9.32	2495434	2016353	4.802	4.866
10)		Heptachlor Epoxi	9.17	9.96	2293357	1849910	4.818	4.868
11)		gamma-Chlordane	9.51	10.39	2327776	1881278	4.761	4.856
12)		alpha-Chlordane	9.64	10.45	2508233	2033261	4.784	4.902
13)		Endosulfan I	9.70	10.48	2197690	1735693	4.817	4.889
14)		4,4'-DDE	9.98	10.69	3774915	3094323	9.482	9.717
15)	M	Dieldrin	10.08	10.80	4509477	3644617	9.643	9.850
16)	M	Endrin	10.47	11.06	2962927	2808119	9.510	9.719
17)		4,4'-DDD	10.71	11.30	3779050	2909243	9.588	9.822
18)		Endosulfan II	10.82	11.39	4120951	3509017	9.403	9.771
19)	M	4,4'-DDT	11.03	11.64	2466490	2191536	9.199	9.584
20)		Endrin Aldehyde	11.09	11.51	2412394	1844674	9.518	10.088
21)		Endosulfan Sulfa	11.33	11.83	4251479	3138943	10.063	9.864
22)		Methoxychlor	11.83	12.14	6798975	5569769	48.293	49.770
23)		Endrin Ketone	11.96	12.26	5114119	4034185	9.884	9.937

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

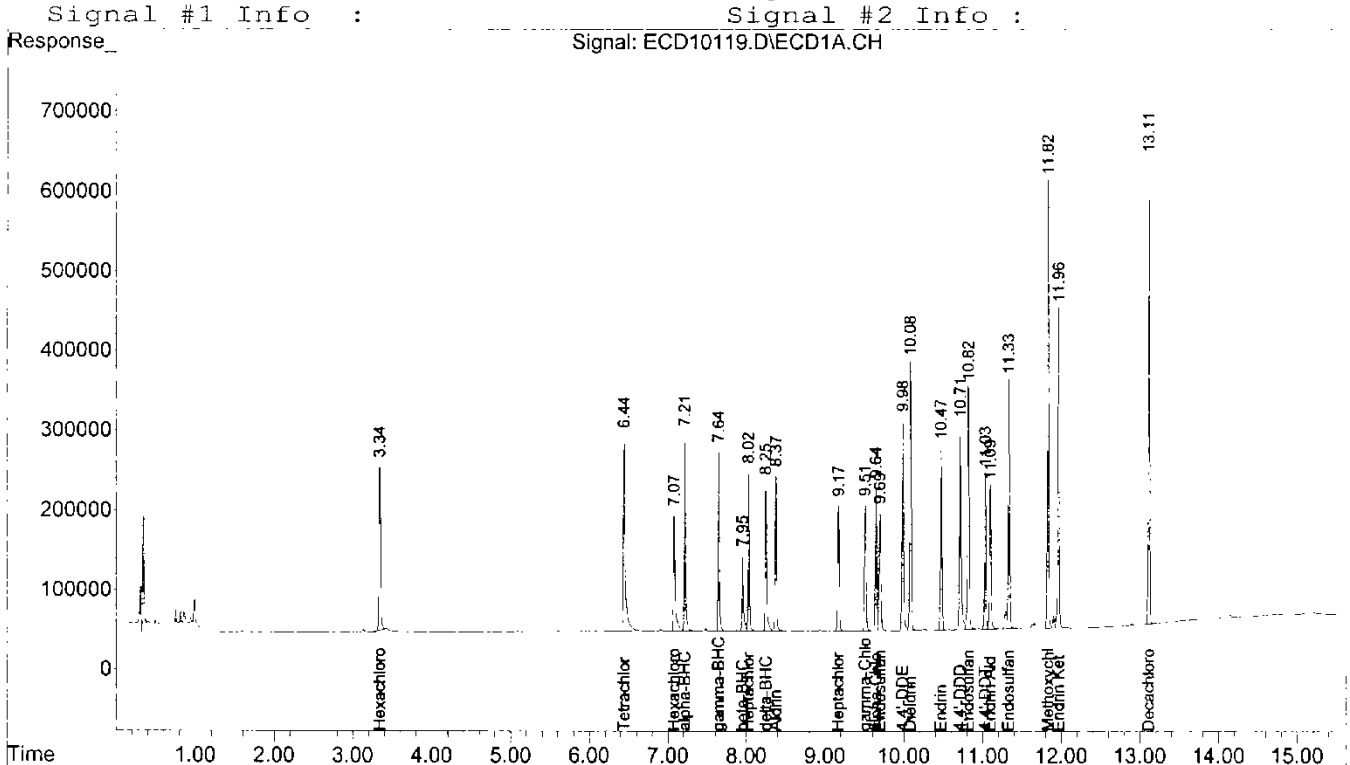
01254

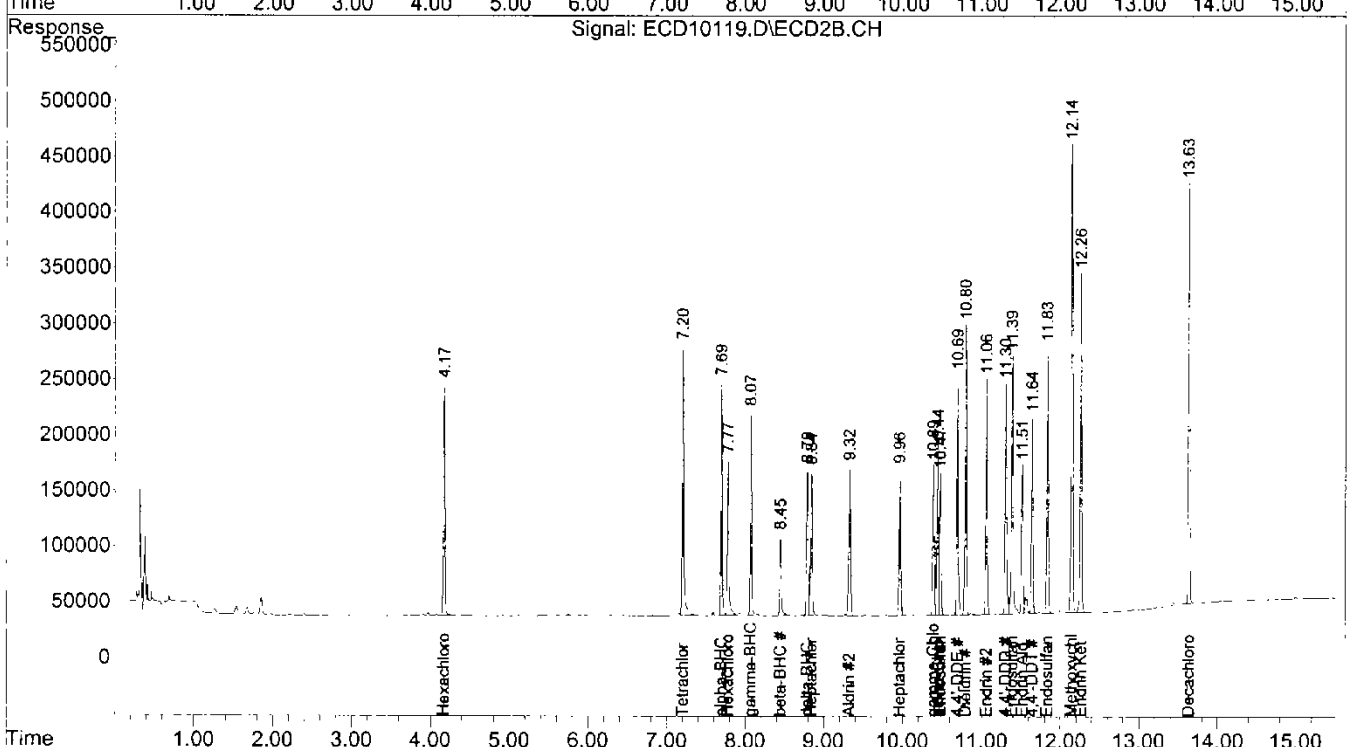
Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\050228\ECD10119.D\ECD1A.CH Vial: 4
Signal #2 : H:\DATA\050228\ECD10119.D\ECD2B.CH
Acq On : 2-28-2005 03:25:02 PM Operator: SJL/CRF
Sample : 5.0UG/L 8081 STD 1174-29-04 Inst : Agilent E
Misc : Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Mar 1 10:58 2005 Quant Results File: 050228.RES

Quant Method : H:\METHODS\050228.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Tue Mar 01 10:58:06 2005
Response via : Multiple Level Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :





01255

Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\050228\ECD10120.D\ECD1A.CH Vial: 5
Signal #2 : H:\DATA\050228\ECD10120.D\ECD2B.CH
Acq On : 2-28-2005 03:45:58 PM Operator: SJL/CRF
Sample : 10UG/L 8081 STD 1174-29-05 Inst : Agilent E
Misc : Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Mar 01 10:58:55 2005 Quant Results File: 050228.RES

Quant Method : H:\METHODS\050228.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Tue Mar 01 10:58:06 2005
Response via : Initial Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
2)	SR	Tetrachloro-m-xy	6.44	7.20	7656583	6707388	20.171	20.512
		Spiked Amount 20.000 Range 60 - 150 Recovery =					100.86%	102.56%
24)	SR	Decachlorobiphen	13.11	13.63	11846460	8160799	36.488	35.671
		Spiked Amount 20.000 Range 60 - 150 Recovery =					182.44%#	178.35%#
		Target Compounds						
1)	T	Hexachlorobutadi	3.34	4.17	5992475	5322304	9.758	10.039
3)		alpha-BHC	7.21	7.69	5982410	5035062	10.342	10.352
4)	T	Hexachlorobenzen	7.08	7.78	4254484	3702964	9.709	9.815
5)	M	gamma-BHC (Linda	7.64	8.07	5308092	4368593	10.290	10.213
6)		beta-BHC	7.95	8.45	2335905	1997206	9.709	9.780
7)		delta-BHC	8.25	8.79	4919718	3853716	9.808	9.814
8)	M	Heptachlor	8.02	8.84	4670309	4219585	9.706	9.994
9)	M	Aldrin	8.37	9.32	5078177	4060764	9.772	9.800
10)		Heptachlor Epoxi	9.17	9.96	4663747	3729025	9.798	9.813
11)		gamma-Chlordane	9.51	10.39	4785901	3832942	9.788	9.893
12)		alpha-Chlordane	9.65	10.45	5097253	4071709	9.722	9.816
13)		Endosulfan I	9.70	10.48	4537148	3557263	9.945	10.021
14)		4,4'-DDE	9.98	10.69	8321126	6592675	20.901	20.703
15)	M	Dieldrin	10.08	10.80	9815422	7639057	20.990	20.645
16)	M	Endrin	10.47	11.06	6260686	5772973	20.094	19.980
17)		4,4'-DDD	10.71	11.30	8101442	6131205	20.553	20.699
18)		Endosulfan II	10.82	11.39	8118447	6729037	18.525	18.737
19)	M	4,4'-DDT	11.03	11.64	5451267	4662277	20.330	20.390
20)		Endrin Aldehyde	11.09	11.51	5171104	3974115	20.403	21.734
21)		Endosulfan Sulfa	11.33	11.83	8530054	6246174	20.190	19.629
22)		Methoxychlor	11.83	12.15	14166450	11199985	100.625	100.080
23)		Endrin Ketone	11.96	12.26	10324788	8128361	19.955	20.021

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

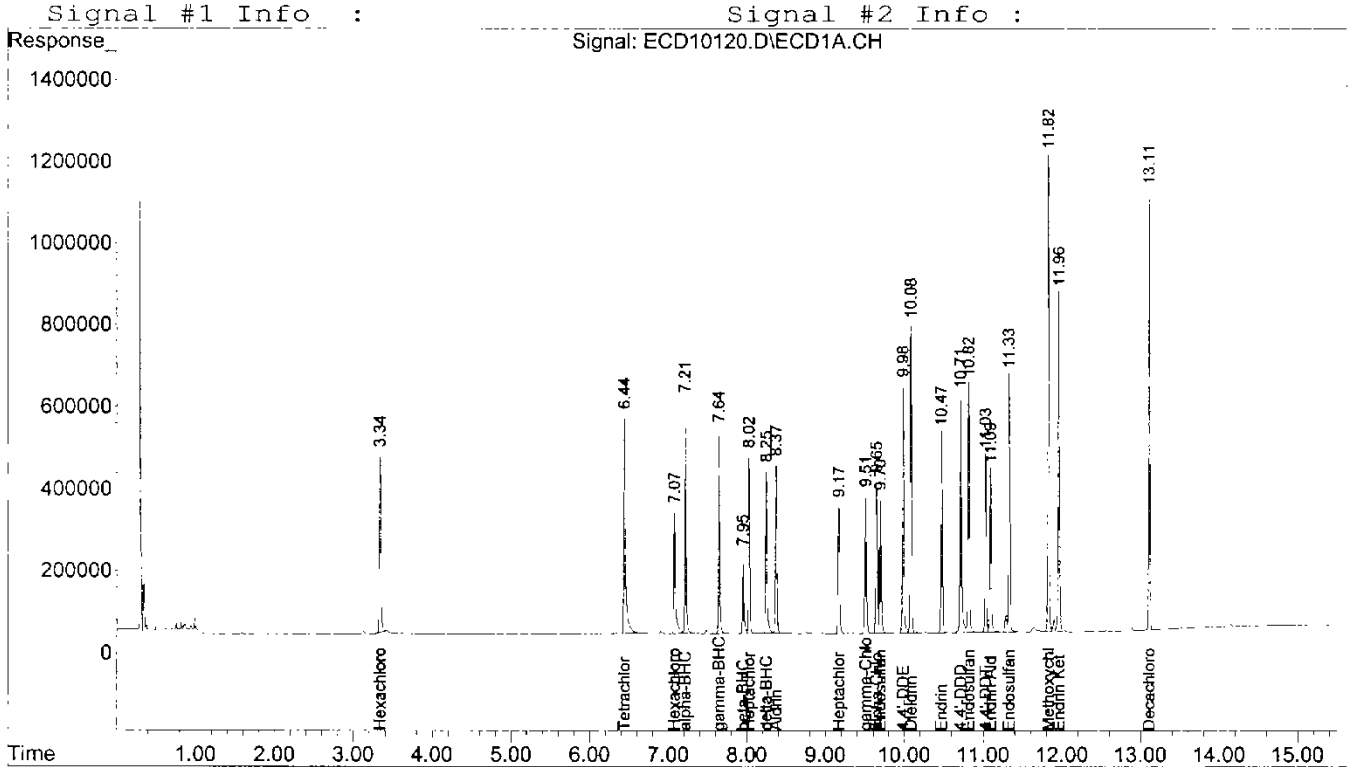
01256

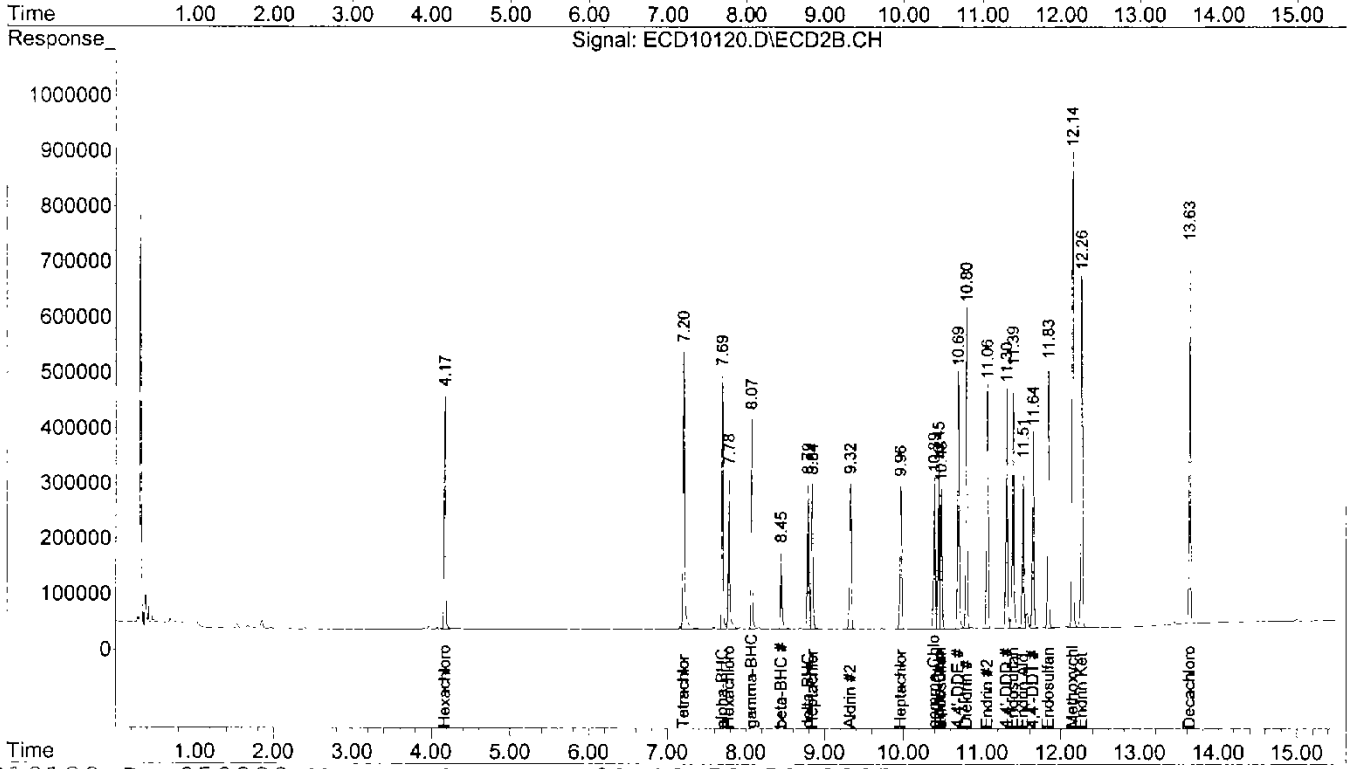
Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\050228\ECD10120.D\ECD1A.CH Vial: 5
Signal #2 : H:\DATA\050228\ECD10120.D\ECD2B.CH
Acq On : 2-28-2005 03:45:58 PM Operator: SJL/CRF
Sample : 10UG/L 8081 STD 1174-29-05 Inst : Agilent E
Misc : Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Mar 1 10:58 2005 Quant Results File: 050228.RES

Quant Method : H:\METHODS\050228.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Tue Mar 01 10:58:06 2005
Response via : Multiple Level Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :





01257

Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\050228\ECD10121.D\ECD1A.CH Vial: 6
Signal #2 : H:\DATA\050228\ECD10121.D\ECD2B.CH
Acq On : 2-28-2005 04:06:49 PM Operator: SJL/CRF
Sample : 20UG/L 8081 STD 1174-29-06 Inst : Agilent E
Misc : Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Mar 01 10:59:04 2005 Quant Results File: 050228.RES

Quant Method : H:\METHODS\050228.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Tue Mar 01 10:58:06 2005
Response via : Initial Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
2)	SR	Tetrachloro-m-xy	6.44	7.20	15281768	13033559	40.259	39.857
Spiked Amount		20.000 Range	60 - 150		Recovery	=	201.30%#	199.29%#
24)	SR	Decachlorobiphen	13.11	13.63	25350397	17187958	78.082	75.130
Spiked Amount		20.000 Range	60 - 150		Recovery	=	390.41%#	375.65%#
		Target Compounds						
1)	T	Hexachlorobutadi	3.34	4.17	12558477	10541454	20.451	19.883
3)		alpha-BHC	7.21	7.69	12325205	10120767	21.306	20.809
4)	T	Hexachlorobenzen	7.08	7.78	8349961	7329522	19.055	19.428
5)	M	gamma-BHC (Linda	7.64	8.07	10782333	8715379	20.902	20.375
6)		beta-BHC	7.95	8.45	4590804	3970304	19.081	19.441
7)		delta-BHC	8.25	8.79	10563988	8205696	21.061	20.896
8)	M	Heptachlor	8.02	8.84	9682910	8433711	20.123	19.975
9)	M	Aldrin	8.37	9.32	10589538	8273586	20.378	19.967
10)		Heptachlor Epoxi	9.17	9.96	9370940	7324349	19.688	19.274
11)		gamma-Chlordane	9.51	10.39	9749727	7608130	19.940	19.636
12)		alpha-Chlordane	9.64	10.44	10319304	8094292	19.682	19.513
13)		Endosulfan I	9.70	10.48	8710723	6889178	19.093	19.407
14)		4,4'-DDE	9.98	10.69	16563684	12824346	41.605	40.272
15)	M	Dieldrin	10.08	10.80	19117290	14724916	40.881	39.795
16)	M	Endrin	10.47	11.06	12882869	11493564	41.349	39.779
17)		4,4'-DDD	10.71	11.30	16025288	11798786	40.656	39.832
18)		Endosulfan II	10.82	11.39	16249911	12994944	37.080	36.184
19)	M	4,4'-DDT	11.03	11.64	12048916	9600617	44.936	41.987
20)		Endrin Aldehyde	11.09	11.51	9395435	7173322	37.070	39.229
21)		Endosulfan Sulfa	11.33	11.83	15527679	12289405	36.753	38.620
22)		Methoxychlor	11.83	12.15	29007467	22059444	206.040	197.118
23)		Endrin Ketone	11.96	12.26	20394558	15607222	39.416	38.443

01258

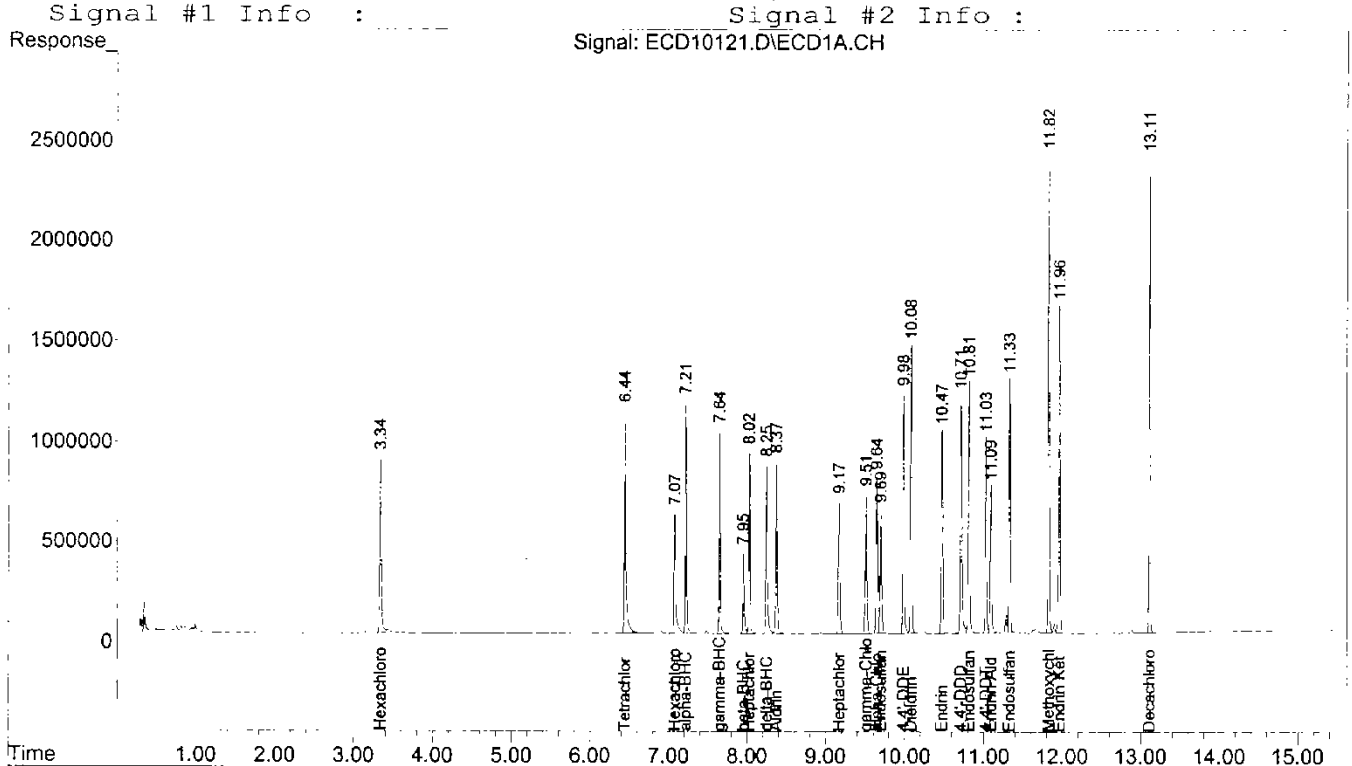
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

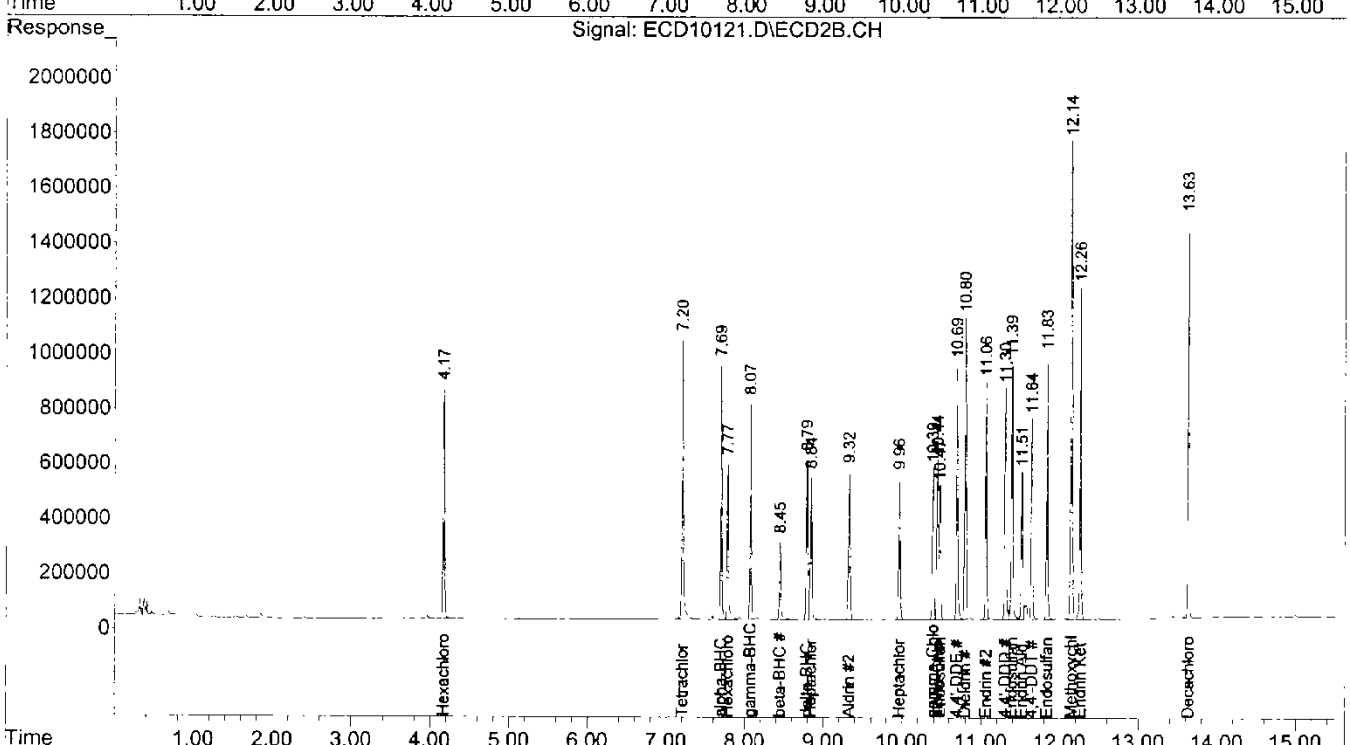
Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\050228\ECD10121.D\ECD1A.CH Vial: 6
Signal #2 : H:\DATA\050228\ECD10121.D\ECD2B.CH
Acq On : 2-28-2005 04:06:49 PM Operator: SJL/CRF
Sample : 20UG/L 8081 STD 1174-29-06 Inst : Agilent E
Misc : Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Mar 1 10:59 2005 Quant Results File: 050228.RES

Quant Method : H:\METHODS\050228.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Tue Mar 01 10:58:06 2005
Response via : Multiple Level Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :





012579

Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\050228\ECD10122.D\ECD1A.CH Vial: 7
Signal #2 : H:\DATA\050228\ECD10122.D\ECD2B.CH
Acq On : 2-28-2005 04:27:50 PM Operator: SJL/CRF
Sample : 50UG/L 8081 STD 1174-29-07 Inst : Agilent E
Misc : Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Mar 01 10:59:13 2005 Quant Results File: 050228.RES

Quant Method : H:\METHODS\050228.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Tue Mar 01 10:58:06 2005
Response via : Initial Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
2)	SR	Tetrachloro-m-xy	6.44	7.20	38288716	31605512	100.869	96.651
		Spiked Amount 20.000 Range 60 - 150 Recovery =					504.35%#	483.25%#
24)	SR	Decachlorobiphen	13.11	13.63	61856656	40925697	190.524	178.889
		Spiked Amount 20.000 Range 60 - 150 Recovery =					952.62%#	894.44%#
		Target Compounds						
1)	T	Hexachlorobutadi	3.34	4.17	32968776	26147921	53.688	49.319
3)		alpha-BHC	7.21	7.69	31843861	25500896	55.047	52.432
4)	T	Hexachlorobenzen	7.08	7.77	20558328	17755964	46.916	47.064
5)	M	gamma-BHC (Linda	7.64	8.07	27647165	22033880	53.596	51.511
6)		beta-BHC	7.95	8.45	11360623	9471441	47.219	46.379
7)		delta-BHC	8.25	8.79	27508037	21092803	54.841	53.714
8)	M	Heptachlor	8.02	8.84	24846607	20744260	51.637	49.133
9)	M	Aldrin	8.37	9.32	26879466	20560644	51.725	49.620
10)		Heptachlor Epoxi	9.17	9.96	23292852	17801096	48.937	46.844
11)		gamma-Chlordane	9.51	10.39	24981341	18946281	51.091	48.900
12)		alpha-Chlordane	9.64	10.44	26329976	19978101	50.219	48.163
13)		Endosulfan I	9.70	10.48	22318069	16723732	48.920	47.111
14)		4,4'-DDE	9.98	10.69	42500816	31765395	106.755	99.752
15)	M	Dieldrin	10.08	10.80	47480186	35530788	101.534	96.023
16)	M	Endrin	10.47	11.06	32979901	28178262	105.852	97.524
17)		4,4'-DDD	10.71	11.30	40074803	28961133	101.670	97.772
18)		Endosulfan II	10.81	11.39	39597144	30659763	90.354	85.371
19)	M	4,4'-DDT	11.03	11.64	32818733	24669529	122.397	107.888
20)		Endrin Aldehyde	11.09	11.51	22957588	17313258	90.581	94.682
21)		Endosulfan Sulfa	11.33	11.83	38510549	29320603	91.153	92.142
22)		Methoxychlor	11.82	12.14	72717405	53590133	516.513	478.868
23)		Endrin Ketone	11.96	12.26	48950829	36660578	94.607	90.300

01260

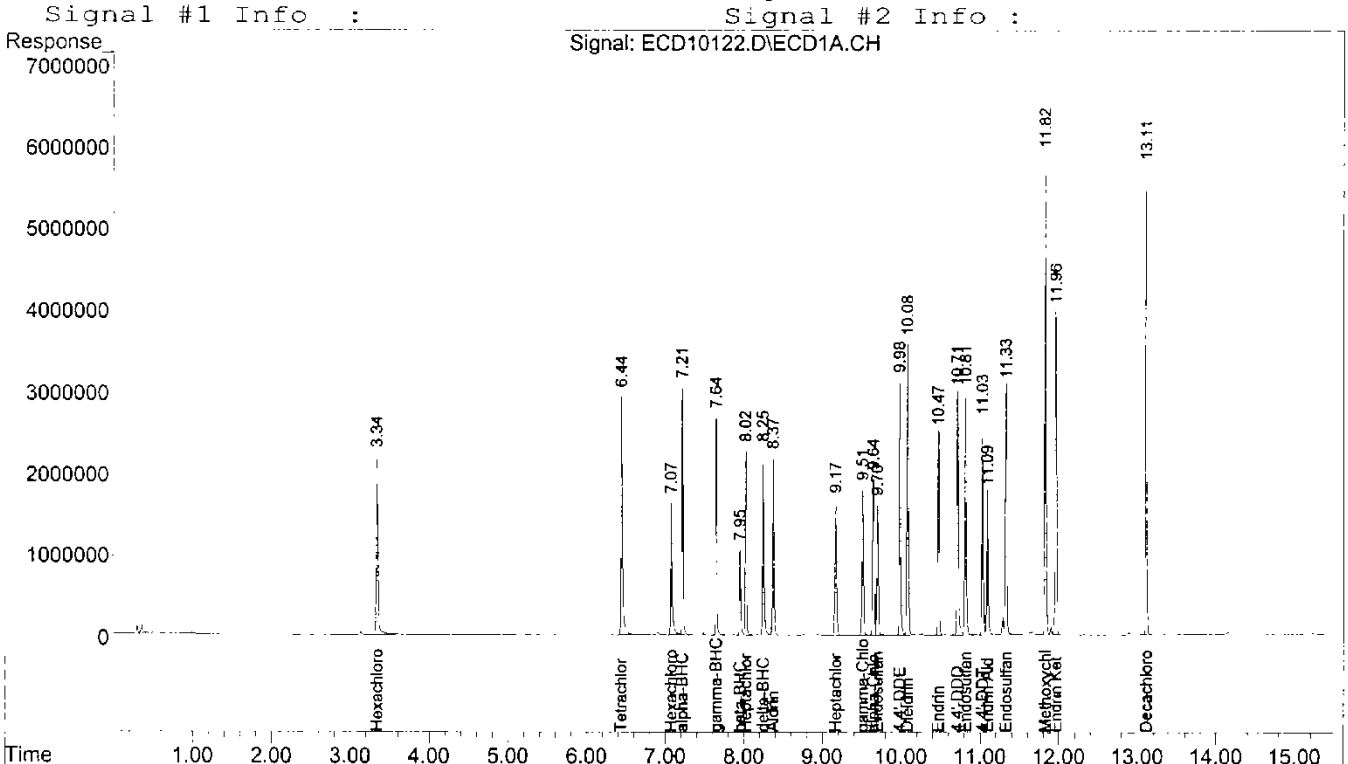
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

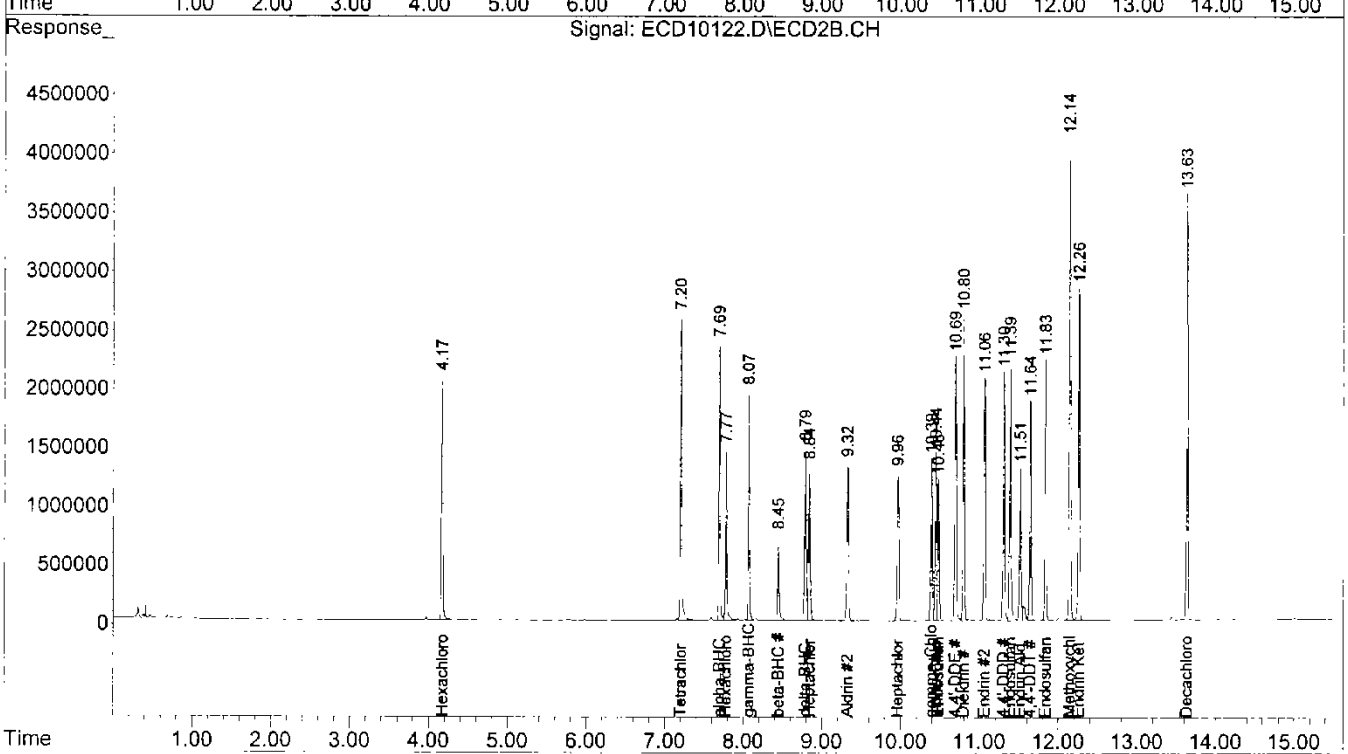
Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\050228\ECD10122.D\ECD1A.CH Vial: 7
Signal #2 : H:\DATA\050228\ECD10122.D\ECD2B.CH
Acq On : 2-28-2005 04:27:50 PM Operator: SJL/CRF
Sample : 50UG/L 8081 STD 1174-29-07 Inst : Agilent E
Misc : Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Mar 1 10:59 2005 Quant Results File: 050228.RES

Quant Method : H:\METHODS\050228.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Tue Mar 01 10:58:06 2005
Response via : Multiple Level Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :





01261

Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\050228\ECD10123.D\ECD1A.CH Vial: 8
Signal #2 : H:\DATA\050228\ECD10123.D\ECD2B.CH
Acq On : 2-28-2005 04:48:40 PM Operator: SJL/CRF
Sample : 10UG/L 8081 ICV 1174-29-08 Inst : Agilent E
Misc : Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Mar 01 10:59:22 2005 Quant Results File: 050228.RES

Quant Method : H:\METHODS\050228.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Tue Mar 01 10:58:06 2005
Response via : Initial Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
2)	SR	Tetrachloro-m-xy	6.44	7.20	7789465	6795615	20.521	20.781
		Spiked Amount 20.000 Range 60 - 150 Recovery =					102.61%	103.91%
24)	SR	Decachlorobiphen	13.11	13.63	11988404	8240562	36.925	36.020
		Spiked Amount 20.000 Range 60 - 150 Recovery =					184.63%#	180.10%#
		Target Compounds						
1)	T	Hexachlorobutadi	3.34	4.17	6066450	5398027	9.879	10.181
3)		alpha-BHC	7.21	7.69	6094943	5076227	10.536	10.437
4)	T	Hexachlorobenzen	7.08	7.78	4322088	3740670	9.863	9.915
5)	M	gamma-BHC (Linda	7.64	8.07	5367557	4403648	10.405	10.295
6)		beta-BHC	7.95	8.45	2339960	2039935	9.726	9.989
7)		delta-BHC	8.25	8.79	4925387	3864842	9.819	9.842
8)	M	Heptachlor	8.02	8.84	4769782	4293684	9.913	10.170
9)	M	Aldrin	8.37	9.32	5146070	4111306	9.903	9.922
10)		Heptachlor Epoxi	9.17	9.96	4728653	3776314	9.935	9.937
11)		gamma-Chlordane	9.51	10.39	4824814	3878399	9.868	10.010
12)		alpha-Chlordane	9.64	10.44	5142475	4103083	9.808	9.892
13)		Endosulfan I	9.70	10.48	4584731	3610691	10.049	10.171
14)		4,4'-DDE	9.98	10.69	8373912	6663027	21.034	20.924
15)	M	Dieldrin	10.08	10.80	9916626	7752039	21.206	20.950
16)	M	Endrin	10.47	11.06	6332814	5881210	20.326	20.355
17)		4,4'-DDD	10.71	11.30	8074276	6062078	20.485	20.465
18)		Endosulfan II	10.81	11.39	8153895	6702090	18.606	18.662
19)	M	4,4'-DDT	11.03	11.64	5543372	4695732	20.674	20.536
20)		Endrin Aldehyde	11.09	11.51	5200192	3941454	20.518	21.555
21)		Endosulfan Sulfa	11.33	11.83	8557694	6249866	20.256	19.641
22)		Methoxychlor	11.83	12.14	14259802	11330032	101.288	101.242
23)		Endrin Ketone	11.96	12.26	10311324	8117574	19.929	19.995

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

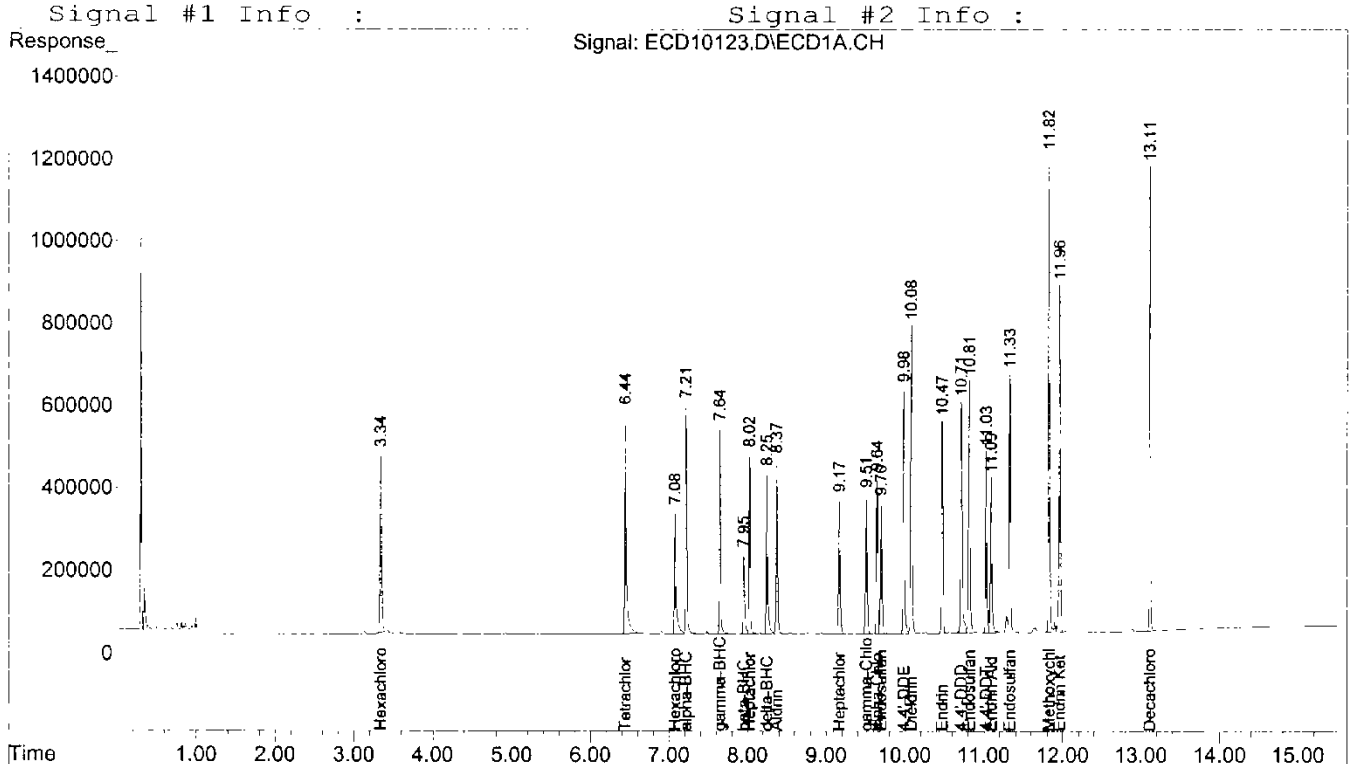
01262

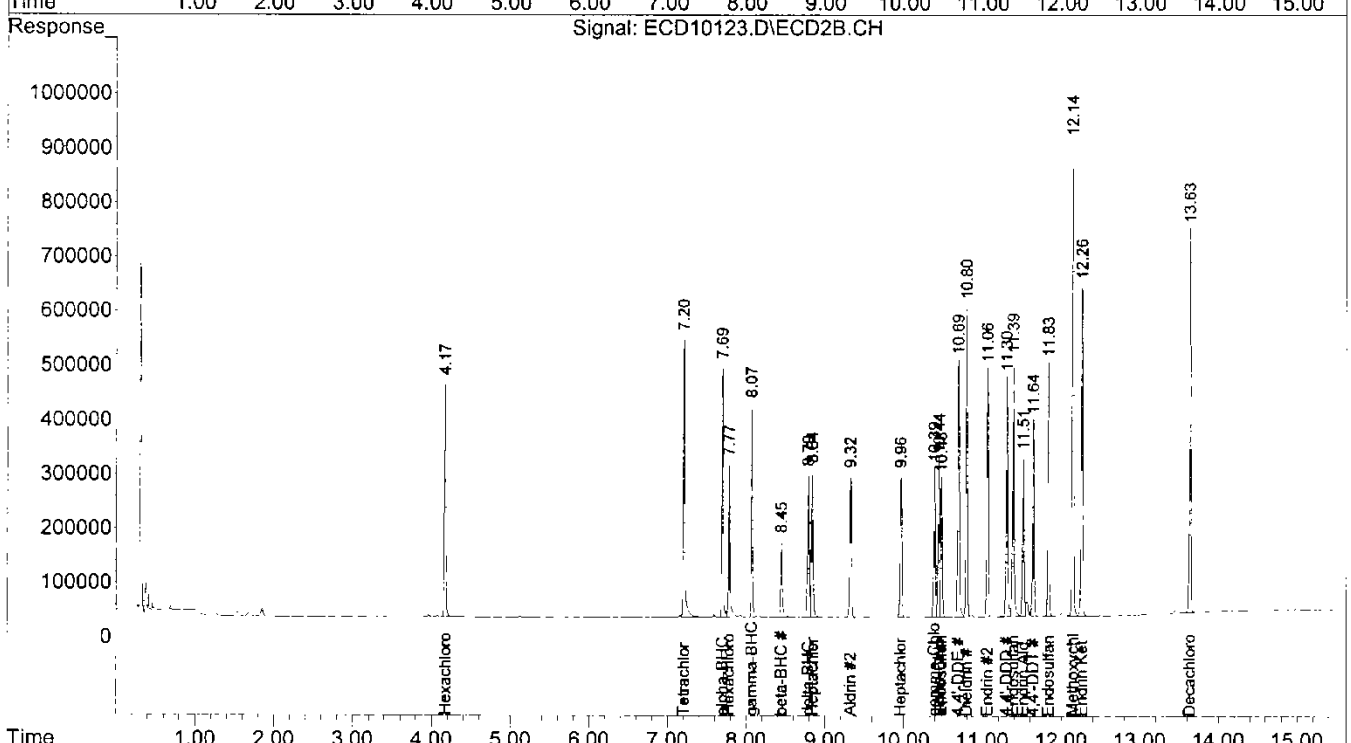
Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\050228\ECD10123.D\ECD1A.CH Vial: 8
Signal #2 : H:\DATA\050228\ECD10123.D\ECD2B.CH
Acq On : 2-28-2005 04:48:40 PM Operator: SJL/CRF
Sample : 10UG/L 8081 ICV 1174-29-08 Inst : Agilent E
Misc : Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Mar 1 10:59 2005 Quant Results File: 050228.RES

Quant Method : H:\METHODS\050228.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Tue Mar 01 10:58:06 2005
Response via : Multiple Level Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :





01263

Evaluate Continuing Calibration Report

Signal #1 : H:\DATA\050228\ECD10123.D\ECD1A.CH Vial: 8
Signal #2 : H:\DATA\050228\ECD10123.D\ECD2B.CH
Acq On : 2-28-2005 04:48:40 PM Operator: SJL/CRF
Sample : 10UG/L 8081 ICV 1174-29-08 Inst : Agilent E
Misc : Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : H:\METHODS\050228.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Tue Mar 01 10:58:06 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	T	Hexachlorobutadiene	10.000	9.879	1.2	101	0.00
2	SR	Tetrachloro-m-xylene (S)	20.000	20.521	-2.6	102	0.00
3		alpha-BHC	10.000	10.536	-5.4	102	0.00
4	T	Hexachlorobenzene	10.000	9.863	1.4	102	0.00
5	M	gamma-BHC (Lindane)	10.000	10.405	-4.0	101	0.00
6		beta-BHC	10.000	9.726	2.7	100	0.00
7		delta-BHC	10.000	9.819	1.8	100	0.00
8	M	Heptachlor	10.000	9.913	0.9	102	0.00
9	M	Aldrin	10.000	9.903	1.0	101	0.00
10		Heptachlor Epoxide	10.000	9.935	0.6	101	0.00
11		gamma-Chlordane	10.000	9.868	1.3	101	0.00
12		alpha-Chlordane	10.000	9.808	1.9	101	0.00
13		Endosulfan I	10.000	10.049	-0.5	101	0.00
14		4,4'-DDE	20.000	21.034	-5.2	101	0.00
15	M	Dieldrin	20.000	21.206	-6.0	101	0.00
16	M	Endrin	20.000	20.326	-1.6	101	0.00
17		4,4'-DDD	20.000	20.485	-2.4	100	0.00
18		Endosulfan II	20.000	18.606	7.0	100	0.00
19	M	4,4'-DDT	20.000	20.674	-3.4	102	0.00
20		Endrin Aldehyde	20.000	20.518	-2.6	101	0.00
21		Endosulfan Sulfate	20.000	20.256	-1.3	100	0.00
22		Methoxychlor	100.000	101.288	-1.3	101	0.00
23		Endrin Ketone	20.000	19.929	0.4	100	0.00
24	SR	Decachlorobiphenyl (S)	40.000	36.925	7.7	101	0.00

Signal #2

1	T	Hexachlorobutadiene	10.000	10.181	-1.8	101	0.00
2	SR	Tetrachloro-m-xylene (S)	20.000	20.781	-3.9	101	0.00
3		alpha-BHC	10.000	10.437	-4.4	101	0.00
4	T	Hexachlorobenzene	10.000	9.915	0.9	101	0.00
5	M	gamma-BHC (Lindane)	10.000	10.295	-2.9	101	0.00
6		beta-BHC	10.000	9.989	0.1	102	0.00
7		delta-BHC	10.000	9.842	1.6	100	0.00
8	M	Heptachlor	10.000	10.170	-1.7	102	0.00
9	M	Aldrin	10.000	9.922	0.8	101	0.00
10		Heptachlor Epoxide	10.000	9.937	0.6	101	0.00
11		gamma-Chlordane	10.000	10.010	-0.1	101	0.00
12		alpha-Chlordane	10.000	9.892	1.1	101	0.00
13		Endosulfan I	10.000	10.171	-1.7	102	0.00
14		4,4'-DDE	20.000	20.924	-4.6	101	0.00
15	M	Dieldrin	20.000	20.950	-4.7	101	0.00
16	M	Endrin	20.000	20.355	-1.8	102	0.00
17		4,4'-DDD	20.000	20.465	-2.3	99	0.00
18		Endosulfan II	20.000	18.662	6.7	100	0.00
19	M	4,4'-DDT	20.000	20.536	-2.7	101	0.00
20		Endrin Aldehyde	20.000	21.555	-7.8	99	0.00
21		Endosulfan Sulfate	20.000	19.641	1.8	100	0.00
22		Methoxychlor	100.000	101.242	-1.2	101	0.00
23		Endrin Ketone	20.000	19.995	0.0	100	0.00
24	SR	Decachlorobiphenyl (S)	40.000	36.020	9.9	101	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

01264

Evaluate Continuing Calibration Report - Not Founds

Signal #1 : H:\DATA\050228\ECD10123.D\ECD1A.CH Vial: 8
Signal #2 : H:\DATA\050228\ECD10123.D\ECD2B.CH
Acq On : 2-28-2005 04:48:40 PM Operator: SJL/CRF
Sample : 10UG/L 8081 ICV 1174-29-08 Inst : Agilent E
Misc : Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : H:\METHODS\050228.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Tue Mar 01 10:58:06 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

Signal #2

Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\050228\ECD10116.D\ECD1A.CH Vial: 1
Signal #2 : H:\DATA\050228\ECD10116.D\ECD2B.CH
Acq On : 2-28-2005 02:22:20 PM Operator: SJL/CRF
Sample : DDT/ENDRIN BREAKDOWN Inst : Agilent E
Misc : Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Mar 01 11:30:56 2005 Quant Results File: 050228.RES

Quant Method : H:\METHODS\050228.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Tue Mar 01 10:58:06 2005
Response via : Initial Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
		System Monitoring Compounds							
2)	SR	Tetrachloro-m-xy	0.00	0.00	0	0	N.D.	N.D.	
Spiked Amount			20.000	Range	60 - 150	Recovery	=	0.00%#	0.00%#
24)	SR	Decachlorobiphen	0.00	0.00	0	0	N.D.	N.D.	
Spiked Amount			20.000	Range	60 - 150	Recovery	=	0.00%#	0.00%#
		Target Compounds							
1)	T	Hexachlorobutadi	0.00	4.20f	0	134057	N.D.	0.253	#
3)		alpha-BHC	0.00	0.00	0	0	N.D.	N.D.	
4)	T	Hexachlorobenzen	0.00	0.00	0	0	N.D.	N.D.	
5)	M	gamma-BHC (Linda	0.00	0.00	0	0	N.D.	N.D.	
6)		beta-BHC	0.00	0.00	0	0	N.D.	N.D.	
7)		delta-BHC	0.00	0.00	0	0	N.D.	N.D.	
8)	M	Heptachlor	8.05	0.00	310695	0	0.646	N.D.	#
9)	M	Aldrin	0.00	0.00	0	0	N.D.	N.D.	
10)		Heptachlor Epoxi	0.00	0.00	0	0	N.D.	N.D.	
11)		gamma-Chlordane	0.00	0.00	0	0	N.D.	N.D.	
12)		alpha-Chlordane	0.00	0.00	0	0	N.D.	N.D.	
13)		Endosulfan I	0.00	0.00	0	0	N.D.	N.D.	
14)		4,4'-DDE	0.00	10.69	0	122864	N.D.	0.386	#
15)	M	Dieldrin	0.00	0.00	0	0	N.D.	N.D.	
16)	M	Endrin	10.47	11.06	37066713	30709384	118.969	106.284	
17)		4,4'-DDD	10.72	11.31	416753	471699	1.057	1.592	#
18)		Endosulfan II	10.79	11.37	568954	467526	1.298	1.302	
19)	M	4,4'-DDT	11.03	11.64	36906562	25745537	137.642	112.594	
20)		Endrin Aldehyde	11.09	11.51	1558743	849936	6.150	4.648	
21)		Endosulfan Sulfa	0.00	0.00	0	0	N.D.	N.D.	
22)		Methoxychlor	11.82	0.00	1218061	0	8.652	N.D.	#
23)		Endrin Ketone	11.96	12.26	1799696	1348484	3.478	3.321	

01266

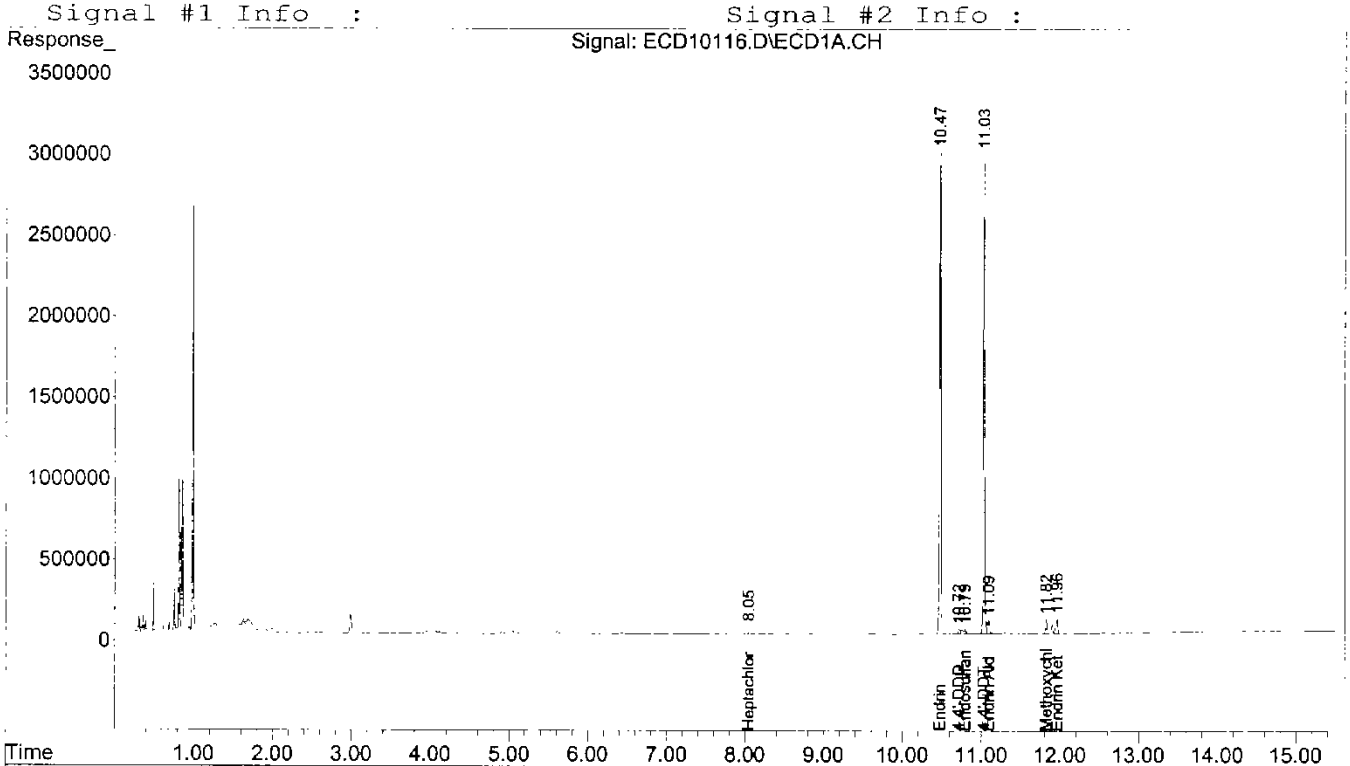
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

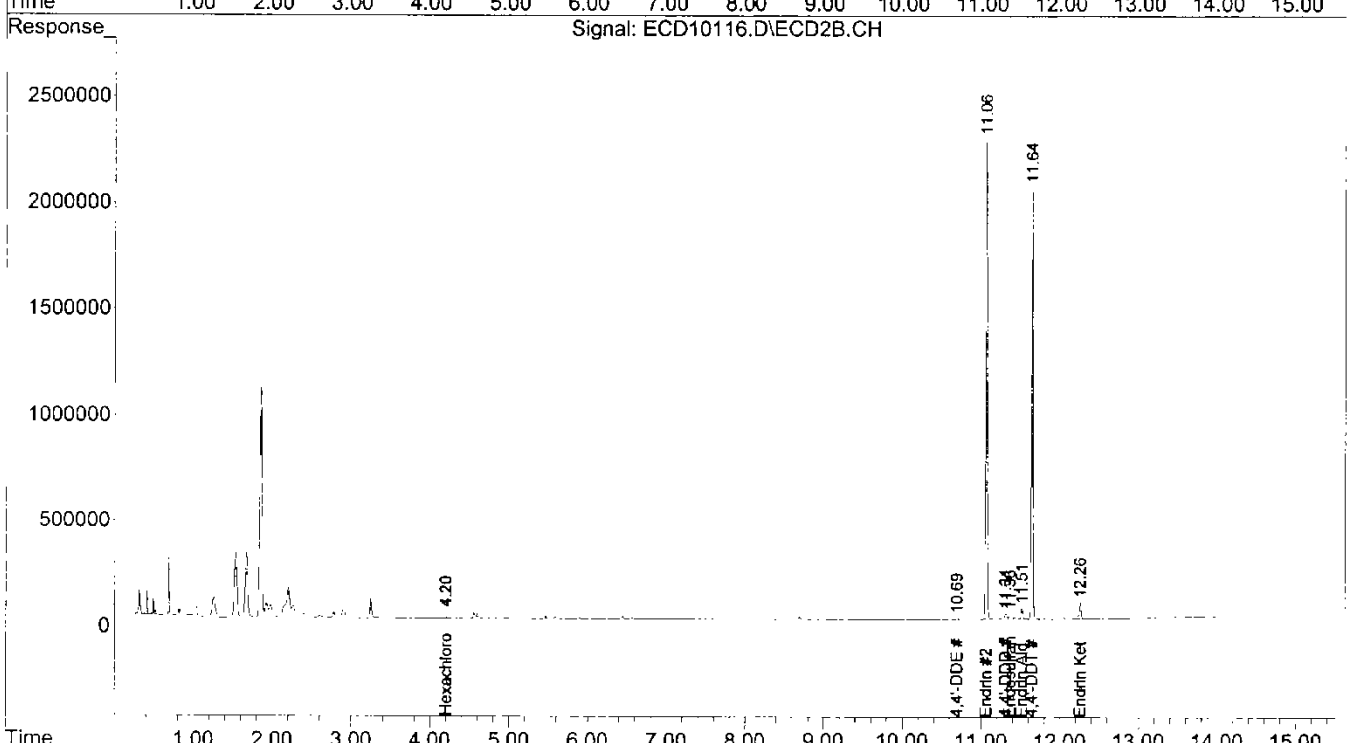
Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\050228\ECD10116.D\ECD1A.CH Vial: 1
Signal #2 : H:\DATA\050228\ECD10116.D\ECD2B.CH
Acq On : 2-28-2005 02:22:20 PM Operator: SJL/CRF
Sample : DDT/ENDRIN BREAKDOWN Inst : Agilent E
Misc : Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Mar 1 11:30 2005 Quant Results File: 050228.RES

Quant Method : H:\METHODS\050228.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Tue Mar 01 10:58:06 2005
Response via : Multiple Level Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :





012667

Custom Report - DDT/Endrin Breakdown Evaluation

Sample Name DDT/ENDRIN BREAKDOWN

Data File Name H:\DATA\050228\ECD10116.D
Date Acquired 2-28-2005 02:22:20 PM

Compound Name	RT #1	RT #2	Resp. #1	Resp. #2	Amt. #1	Amt. #2	% Breakdown Column #1	% Breakdown Column #2
Endrin	10.47	11.06	37066713	30709384	118.97	106.28	**8.31%**	**6.68%**
Endrin Aldehyde	11.09	11.51	1558743	849936	6.15	4.65		
Endrin Ketone	11.96	12.26	1799696	1348484	3.48	3.32		
4,4'-DDT	11.03	11.64	36906562	25745537	137.64	112.59	**1.12%**	**2.26%**
4,4'-DDE	0.00	10.69	0	122864	0.00	0.39		
4,4'-DDD	10.72	11.31	416753	471699	1.06	1.59		

01268

CONTINUING CALIBRATION

Sequence Log

Directory : k:\DATA\050228

#	Filename	Sample Name	Date/Time
1	ecd10116.d	DDT/ENDRIN BREAKDOWN	02/28/05 14:22
2	ecd10117.d	1.0UG/L 8081 STD 1174-29-02	02/28/05 14:43
3	ecd10118.d	2.0UG/L 8081 STD 1174-29-03	02/28/05 15:04
4	ecd10119.d	5.0UG/L 8081 STD 1174-29-04	02/28/05 15:25
5	ecd10120.d	10UG/L 8081 STD 1174-29-05	02/28/05 15:45
6	ecd10121.d	20UG/L 8081 STD 1174-29-06	02/28/05 16:06
7	ecd10122.d	50UG/L 8081 STD 1174-29-07	02/28/05 16:27
8	ecd10123.d	10UG/L 8081 ICV 1174-29-08	02/28/05 16:48
9	ecd10124.d	MB PE1833	02/28/05 17:09
10	ecd10125.d	BS PE1833	02/28/05 17:30
11	ecd10126.d	BSD PE1833	02/28/05 17:51
12	ecd10127.d	126377-01 PE1833	02/28/05 18:12
13	ecd10128.d	126377-02 PE1833	02/28/05 18:33
14	ecd10129.d	126377-03 PE1833	02/28/05 18:54
15	ecd10130.d	126377-04 PE1833	02/28/05 19:15
16	ecd10131.d	126377-05 PE1833	02/28/05 19:36
17	ecd10132.d	126377-06 PE1833	02/28/05 19:57
18	ecd10133.d	126377-06 MS PE1833	02/28/05 20:18
19	ecd10134.d	126377-06 MSD PE1833	02/28/05 20:39
20	ecd10135.d	126377-07 PE1833	02/28/05 20:59
21	ecd10136.d	126377-08 PE1833	02/28/05 21:20
22	ecd10137.d	RINSE	02/28/05 21:41
23	ecd10138.d	50UG/L 8081 CCV 1174-29-07	02/28/05 22:02

Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\050228\ECD10138.D\ECD1A.CH Vial: 7
Signal #2 : H:\DATA\050228\ECD10138.D\ECD2B.CH
Acq On : 28 Feb 2005 10:02 pm Operator: SJL/CRF
Sample : 50UG/L 8081 CCV 1174-29-07 Inst : Agilent E
Misc : Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Mar 01 10:07:39 2005 Quant Results File: 050228.RES

Quant Method : H:\METHODS\050228.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Tue Mar 01 10:07:07 2005
Response via : Initial Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
2)	SR	Tetrachloro-m-xy	6.44	7.20	37381270	31795259	98.478	97.231
		Spiked Amount 20.000 Range 60 - 150 Recovery =					492.39%#	486.15%#
24)	SR	Decachlorobiphen	13.11	13.63	60637899	40834975	186.771	178.492
		Spiked Amount 20.000 Range 60 - 150 Recovery =					933.86%#	892.46%#
		Target Compounds						
1)	T	Hexachlorobutadi	3.34	4.17	32508932	26078540	52.939	49.188
3)		alpha-BHC	7.22	7.69	31534334	25382515	54.512	52.188
4)	T	Hexachlorobenzen	7.08	7.78	19975031	17730652	45.585	46.997
5)	M	gamma-BHC (Linda	7.64	8.07	25870206	22075474	50.151	51.608
6)		beta-BHC	7.95	8.45	11277846	9400981	46.875	46.034
7)		delta-BHC	8.25	8.79	27315581	21322824	54.457	54.300
8)	M	Heptachlor	8.02	8.84	24806958	20957700	51.555	49.639
9)	M	Aldrin	8.37	9.32	26544695	20490636	51.081	49.451
10)		Heptachlor Epoxi	9.17	9.96	23079324	17738415	48.489	46.679
11)		gamma-Chlordane	9.51	10.39	24571451	18806723	50.253	48.539
12)		alpha-Chlordane	9.65	10.45	25859707	19828858	49.322	47.803
13)		Endosulfan I	9.70	10.48	21914303	16626720	48.035	46.838
14)		4,4'-DDE	9.98	10.69	42152996	31613342	105.881	99.274
15)	M	Dieldrin	10.08	10.80	47271557	35264995	101.088	95.305
16)	M	Endrin	10.47	11.06	34983375	29136376	112.282	100.840
17)		4,4'-DDD	10.71	11.30	39275695	28680415	99.643	96.824
18)		Endosulfan II	10.82	11.39	38716017	30503951	88.343	84.937
19)	M	4,4'-DDT	11.03	11.64	32221509	24707579	120.170	108.055
20)		Endrin Aldehyde	11.09	11.51	21390013	16477088	84.396	90.109
21)		Endosulfan Sulfa	11.33	11.83	37854375	29193010	89.600	91.741
22)		Methoxychlor	11.83	12.14	73008164	54178875	518.578	484.129
23)		Endrin Ketone	11.96	12.26	47296035	35809910	91.408	88.204

01271

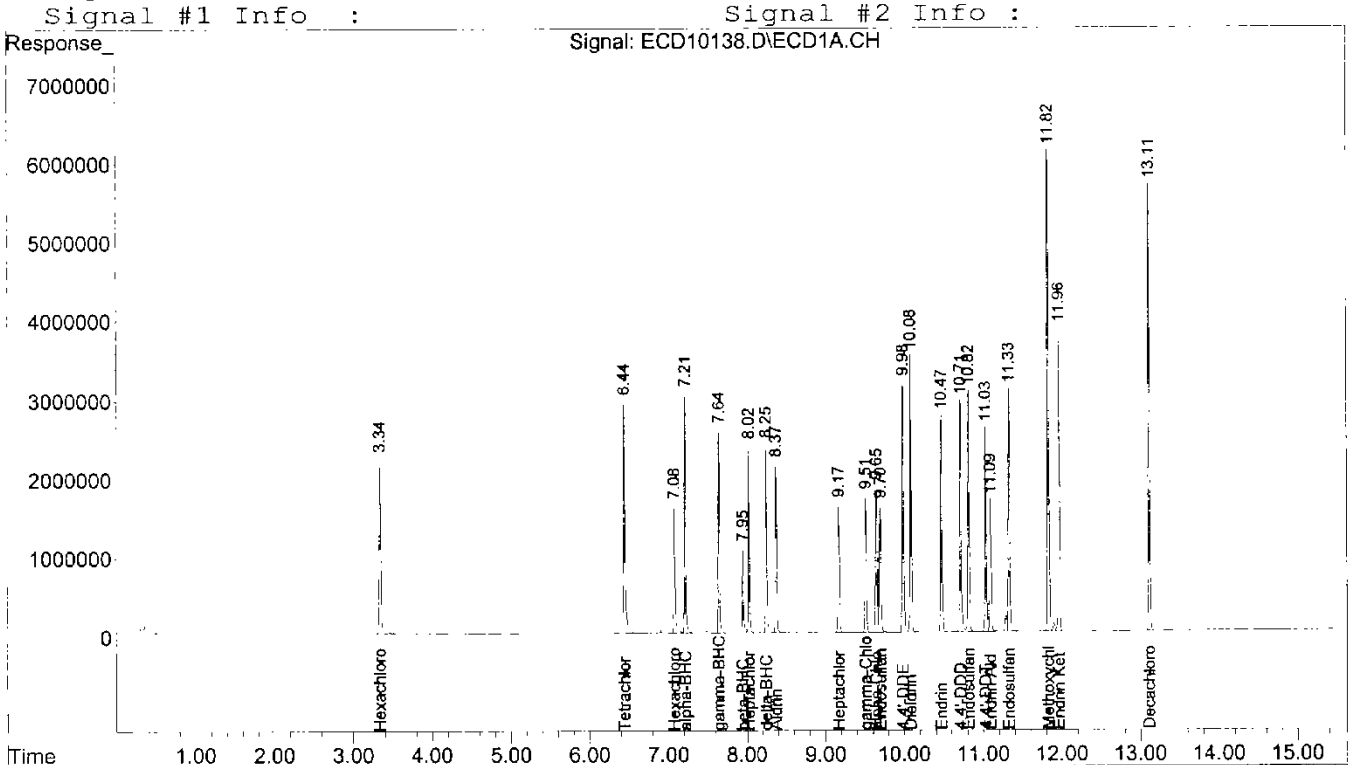
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

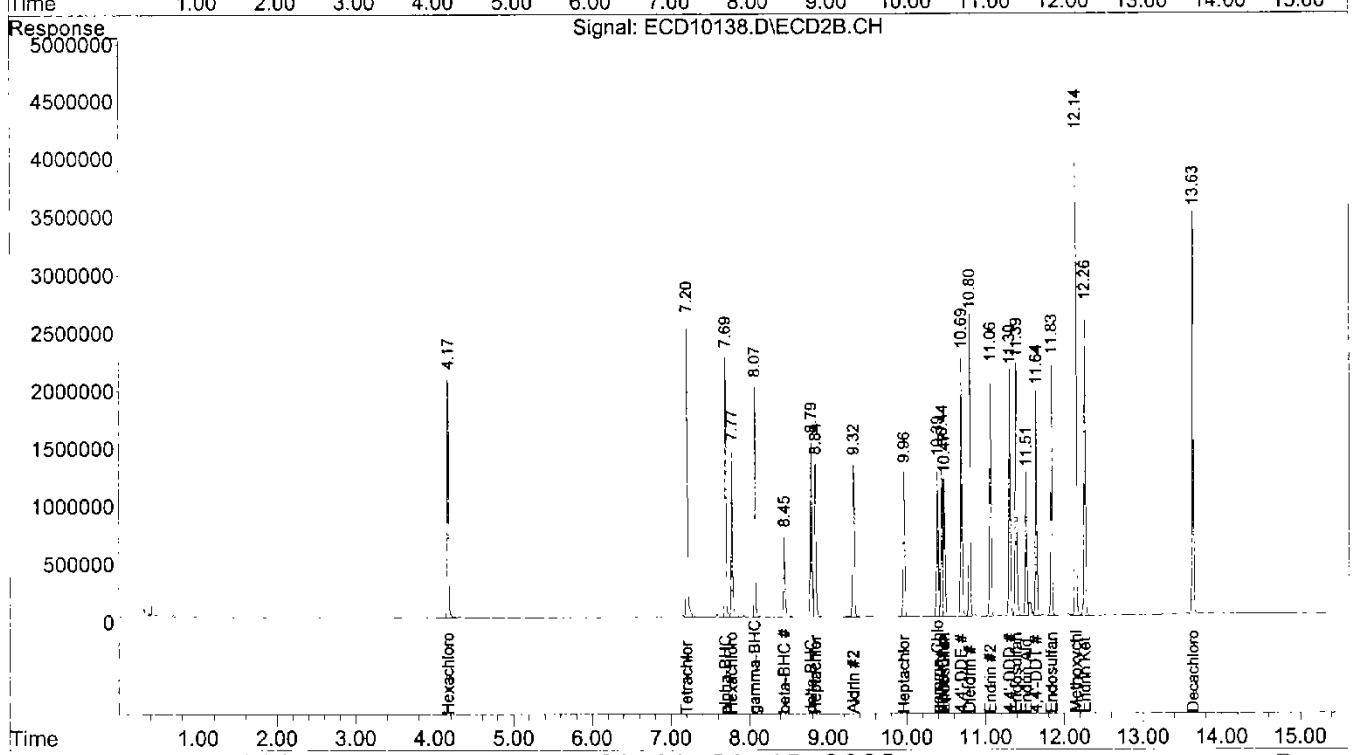
Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\050228\ECD10138.D\ECD1A.CH Vial: 7
Signal #2 : H:\DATA\050228\ECD10138.D\ECD2B.CH
Acq On : 28 Feb 2005 10:02 pm Operator: SJL/CRF
Sample : 50UG/L 8081 CCV 1174-29-07 Inst : Agilent E
Misc : Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Mar 1 10:07 2005 Quant Results File: 050228.RES

Quant Method : H:\METHODS\050228.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Tue Mar 01 10:07:07 2005
Response via : Multiple Level Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :





01272

Evaluate Continuing Calibration Report

Signal #1 : H:\DATA\050228\ECD10138.D\ECD1A.CH Vial: 7
Signal #2 : H:\DATA\050228\ECD10138.D\ECD2B.CH
Acq On : 28 Feb 2005 10:02 pm Operator: SJL/CRF
Sample : 50UG/L 8081 CCV 1174-29-07 Inst : Agilent E
Misc : Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : H:\METHODS\050228.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Tue Mar 01 10:58:06 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	T	Hexachlorobutadiene	50.000	52.939	-5.9	99	0.00
2	SR	Tetrachloro-m-xylene (S)	100.000	98.478	1.5	98	0.00
3		alpha-BHC	50.000	54.512	-9.0	99	0.00
4	T	Hexachlorobenzene	50.000	45.585	8.8	97	0.00
5	M	gamma-BHC (Lindane)	50.000	50.151	-0.3	94	0.00
6		beta-BHC	50.000	46.875	6.3	99	0.00
7		delta-BHC	50.000	54.457	-8.9	99	0.00
8	M	Heptachlor	50.000	51.555	-3.1	100	0.00
9	M	Aldrin	50.000	51.081	-2.2	99	0.00
10		Heptachlor Epoxide	50.000	48.489	3.0	99	0.00
11		gamma-Chlordane	50.000	50.253	-0.5	98	0.00
12		alpha-Chlordane	50.000	49.322	1.4	98	0.00
13		Endosulfan I	50.000	48.035	3.9	98	0.00
14		4,4'-DDE	100.000	105.881	-5.9	99	0.00
15	M	Dieldrin	100.000	101.088	-1.1	100	0.00
16	M	Endrin	100.000	112.282	-12.3	106	0.00
17		4,4'-DDD	100.000	99.643	0.4	98	0.00
18		Endosulfan II	100.000	88.343	11.7	98	0.00
19	M	4,4'-DDT	100.000	120.170	-20.2#	98	0.00
20		Endrin Aldehyde	100.000	84.396	15.6#	93	0.00
21		Endosulfan Sulfate	100.000	89.600	10.4	98	0.00
22		Methoxychlor	500.000	518.578	-3.7	100	0.00
23		Endrin Ketone	100.000	91.408	8.6	97	0.00
24	SR	Decachlorobiphenyl (S)	200.000	186.771	6.6	98	0.00
	Signal #2						
26	T	Hexachlorobutadiene #2	50.000	49.188	1.6	100	0.00
27	SR	Tetrachloro-m-xylene (S) #2	100.000	97.231	2.8	101	0.00
28		alpha-BHC #2	50.000	52.188	-4.4	100	0.00
29	T	Hexachlorobenzene #2	50.000	46.997	6.0	100	0.00
30	M	gamma-BHC (Lindane) #2	50.000	51.608	-3.2	100	0.00
31		beta-BHC #2	50.000	46.034	7.9	99	0.00
32		delta-BHC #2	50.000	54.300	-8.6	101	0.00
33	M	Heptachlor #2	50.000	49.639	0.7	101	0.00
34	M	Aldrin #2	50.000	49.451	1.1	100	0.00
35		Heptachlor Epoxide #2	50.000	46.679	6.6	100	0.00
36		gamma-Chlordane #2	50.000	48.539	2.9	99	0.00
37		alpha-Chlordane #2	50.000	47.803	4.4	99	0.00
38		Endosulfan I #2	50.000	46.838	6.3	99	0.00
39		4,4'-DDE #2	100.000	99.274	0.7	100	0.00
40	M	Dieldrin #2	100.000	95.305	4.7	99	0.00
41	M	Endrin #2	100.000	100.840	-0.8	103	0.00
42		4,4'-DDD #2	100.000	96.824	3.2	99	0.00
43		Endosulfan II #2	100.000	84.937	15.1#	99	0.00
44	M	4,4'-DDT #2	100.000	108.055	-8.1	100	0.00
45		Endrin Aldehyde #2	100.000	90.109	9.9	95	0.00
46		Endosulfan Sulfate #2	100.000	91.741	8.3	100	0.00
47		Methoxychlor #2	500.000	484.129	3.2	101	0.00
48		Endrin Ketone #2	100.000	88.204	11.8	98	0.00
49	SR	Decachlorobiphenyl (S) #2	200.000	178.492	10.8	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

01273

Evaluate Continuing Calibration Report - Not Found

Signal #1 : H:\DATA\050228\ECD10138.D\ECD1A.CH Vial: 7
Signal #2 : H:\DATA\050228\ECD10138.D\ECD2B.CH
Acq On : 28 Feb 2005 10:02 pm Operator: SJL/CRF
Sample : 50UG/L 8081 CCV 1174-29-07 Inst : Agilent E
Misc : Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : H:\METHODS\050228.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Tue Mar 01 10:58:06 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

Signal #2

METHOD BLANK

Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\050228\ECD10124.D\ECD1A.CH Vial: 11
Signal #2 : H:\DATA\050228\ECD10124.D\ECD2B.CH
Acq On : 2-28-2005 05:09:35 PM Operator: SJL/CRF
Sample : MB PE1833 Inst : Agilent E
Misc : SOLID #15 &10 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Mar 01 10:08:41 2005 Quant Results File: 050228.RES

Quant Method : H:\METHODS\050228.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Tue Mar 01 10:07:07 2005
Response via : Initial Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
		System Monitoring Compounds							
2)	SR	Tetrachloro-m-xy	6.44	7.20	5956460	5407970	15.692	16.538	
		Spiked Amount 20.000 Range 60 - 150 Recovery =					78.46%	82.69%	
24)	SR	Decachlorobiphen	13.11	13.63	4261402	3324302	13.126	14.531	
		Spiked Amount 20.000 Range 60 - 150 Recovery =					65.63%	72.66%	
		Target Compounds							
1)	T	Hexachlorobutadi	3.36	4.21f	577264	315971	0.940	0.596	#
3)		alpha-BHC	0.00	0.00	0	0	N.D.	N.D.	
4)	T	Hexachlorobenzen	0.00	0.00	0	0	N.D.	N.D.	
5)	M	gamma-BHC (Linda	0.00	8.04	0	418982	N.D.	0.979	#
6)		beta-BHC	7.94	0.00	211698	0	0.880	N.D.	#
7)		delta-BHC	0.00	0.00	0	0	N.D.	N.D.	
8)	M	Heptachlor	8.00	0.00	150845	0	0.313	N.D.	#
9)	M	Aldrin	8.34f	9.27f	865572	183568	1.666	0.443	#
10)		Heptachlor Epoxi	0.00	0.00	0	0	N.D.	N.D.	
11)		gamma-Chlordane	0.00	10.34f	0	1449663	N.D.	3.742	#
12)		alpha-Chlordane	9.63	10.50f	843875	304368	1.610	0.734	#
13)		Endosulfan I	0.00	10.50	0	304368	N.D.	0.857	#
14)		4,4'-DDE	0.00	0.00	0	0	N.D.	N.D.	
15)	M	Dieldrin	10.09	0.00	632852	0	1.353	N.D.	#
16)	M	Endrin	0.00	0.00	0	0	N.D.	N.D.	
17)		4,4'-DDD	0.00	0.00	0	0	N.D.	N.D.	
18)		Endosulfan II	10.79	11.37	618132	498895	1.410	1.389	
19)	M	4,4'-DDT	11.07f	11.70f	4946070	532333	18.446	2.328	#
20)		Endrin Aldehyde	11.07	0.00	4946070	0	19.515	N.D.	#
21)		Endosulfan Sulfa	11.31	0.00	714385	0	1.691	N.D.	#
22)		Methoxychlor	0.00	12.17	0	299835	N.D.	2.679	#
23)		Endrin Ketone	0.00	0.00	0	0	N.D.	N.D.	

01276

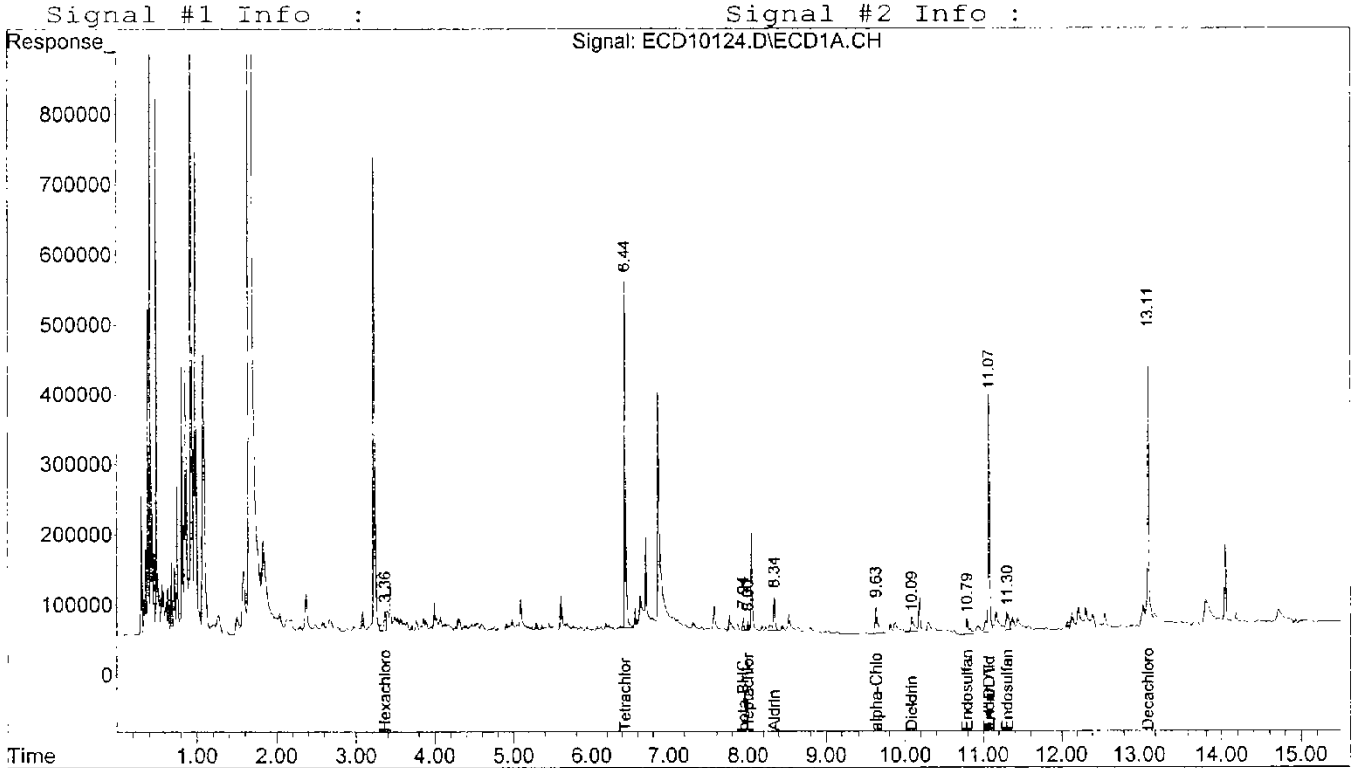
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

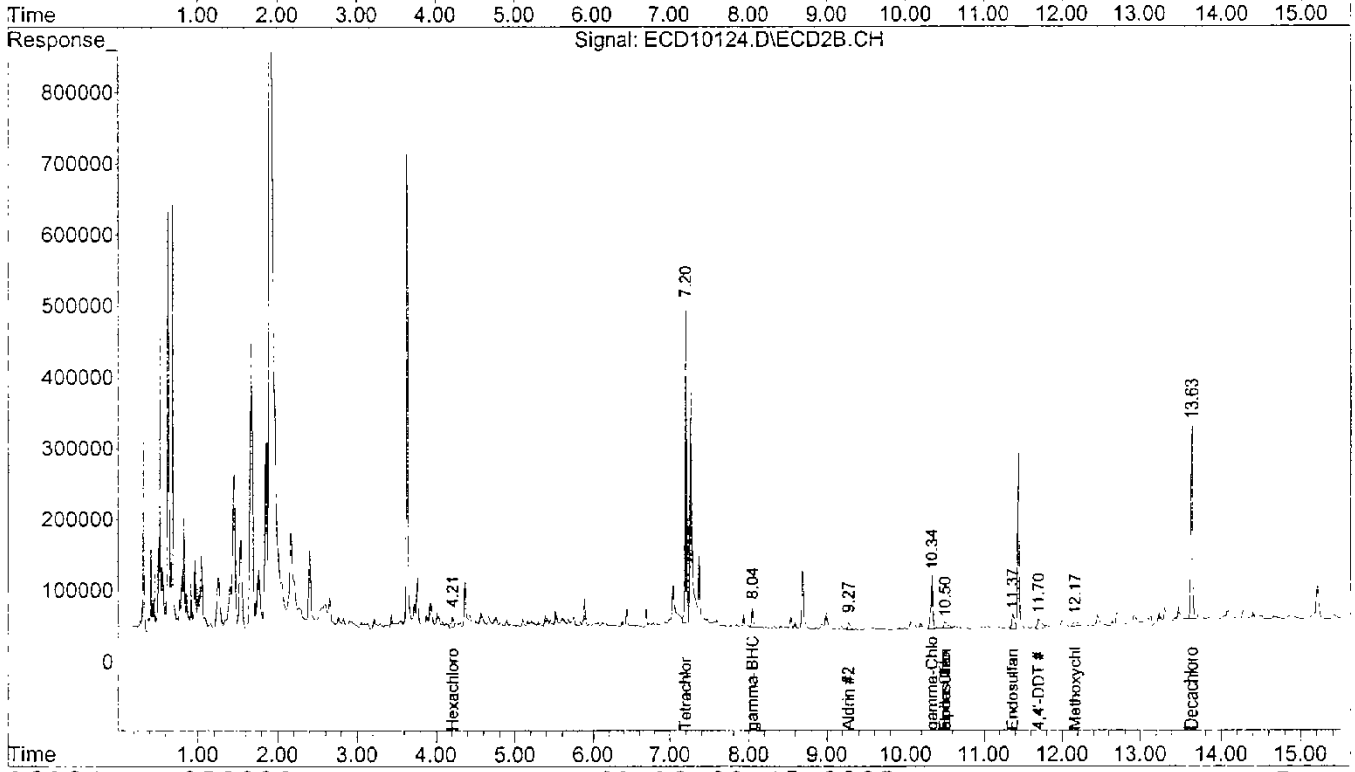
Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\050228\ECD10124.D\ECD1A.CH Vial: 11
Signal #2 : H:\DATA\050228\ECD10124.D\ECD2B.CH
Acq On : 2-28-2005 05:09:35 PM Operator: SJL/CRF
Sample : MB PE1833 Inst : Agilent E
Misc : SOLID #15 &10 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Mar 1 10:08 2005 Quant Results File: 050228.RES

Quant Method : H:\METHODS\050228.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Tue Mar 01 10:07:07 2005
Response via : Multiple Level Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :





01277

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Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\050228\ECD10125.D\ECD1A.CH Vial: 12
Signal #2 : H:\DATA\050228\ECD10125.D\ECD2B.CH
Acq On : 2-28-2005 05:30:31 PM Operator: SJL/CRF
Sample : BS PE1833 Inst : Agilent E
Misc : SOLID #15 &10 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Mar 01 10:08:48 2005 Quant Results File: 050228.RES

Quant Method : H:\METHODS\050228.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Tue Mar 01 10:07:07 2005
Response via : Initial Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
	System Monitoring Compounds							
2) SR	Tetrachloro-m-xy	6.44	7.20	6443758	5761195	16.976	17.618	
	Spiked Amount 20.000 Range 60 - 150 Recovery =					84.88%	88.09%	
24) SR	Decachlorobiphen	13.11	13.63	4326752	3481672	13.327	15.219	
	Spiked Amount 20.000 Range 60 - 150 Recovery =					66.64%	76.09%	
	Target Compounds							
1) T	Hexachlorobutadi	3.34	4.17	9295759	8009465	15.138	15.107	
3)	alpha-BHC	7.21	7.69	7853146	6602287	13.575	13.575	
4) T	Hexachlorobenzen	7.08	7.78	5980648	4631866	13.648	12.277	
5) M	gamma-BHC (Linda	7.64	8.07	7559005	6469947	14.654	15.125	
6)	beta-BHC	7.95	8.45	3605676	2928232	14.987	14.339	
7)	delta-BHC	8.25	8.79	4157899	3276694	8.289	8.344	
8) M	Heptachlor	8.02	8.84	9117592	6153497	18.949	14.575	
9) M	Aldrin	8.37	9.32	7581293	5852296	14.589	14.124	
10)	Heptachlor Epoxi	9.17	9.96	6649598	5297702	13.971	13.941	
11)	gamma-Chlordane	9.51	10.39	6489138	5309593	13.271	13.704	
12)	alpha-Chlordane	9.64	10.45	6258944	5104819	11.938	12.307	
13)	Endosulfan I	9.70	10.48	5970285	5251711	13.087	14.794	
14)	4,4'-DDE	9.98	10.69	6356592	4917660	15.967	15.443	
15) M	Dieldrin	10.08	10.80	6819568	5374186	14.583	14.524	
16) M	Endrin	10.47	11.06	6155674	4881258	19.757	16.894	
17)	4,4'-DDD	10.71	11.30	4680833	4283977	11.875	14.463	
18)	Endosulfan II	10.82	11.39	6040355	4799360	13.783	13.364	
19) M	4,4'-DDT	11.03	11.64	4517522	3988322	16.848	17.442	
20)	Endrin Aldehyde	11.09	11.51	6599006	3320399	26.037	18.159	#
21)	Endosulfan Sulfa	11.33	11.83	5210131	3923887	12.332	12.331	
22)	Methoxychlor	11.83	12.15	2796102	2533141	19.861	22.636	
23)	Endrin Ketone	11.96	12.26	6413087	5329996	12.394	13.128	

01279

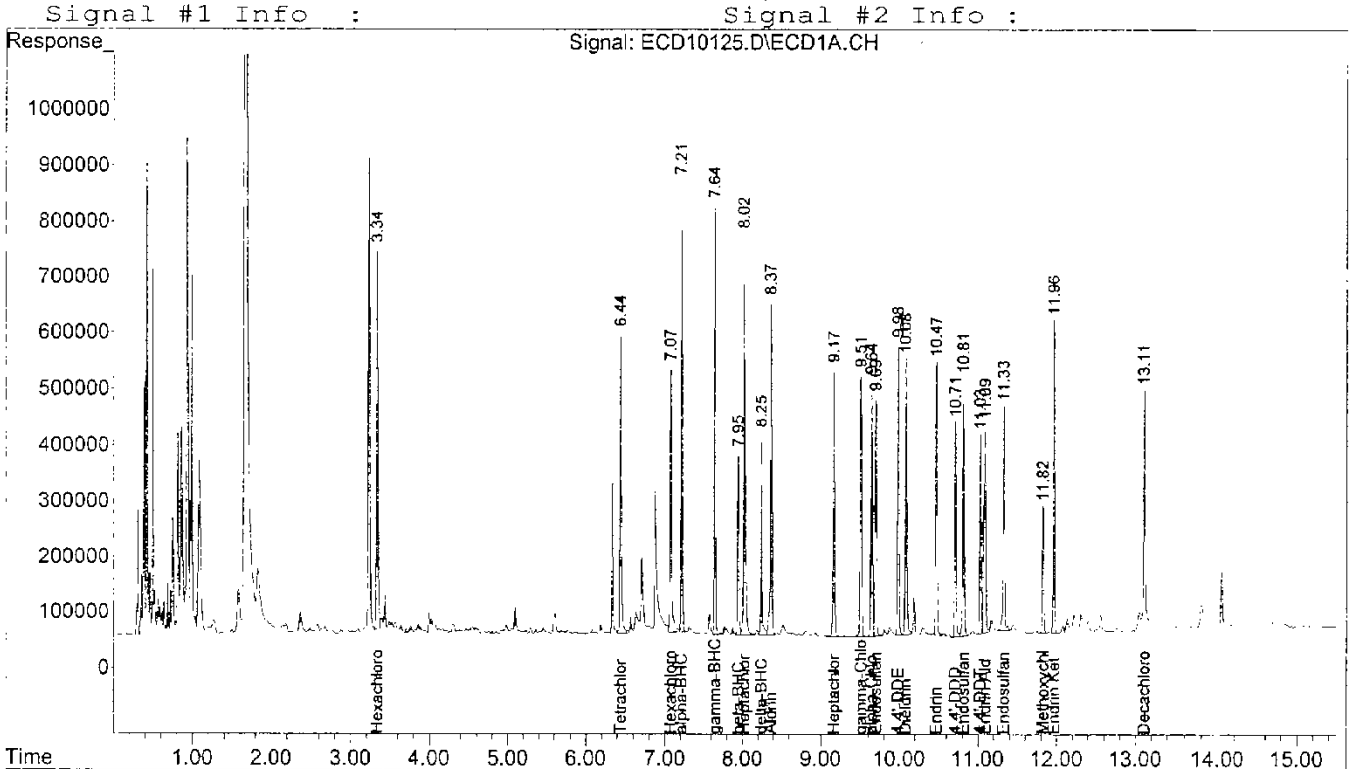
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

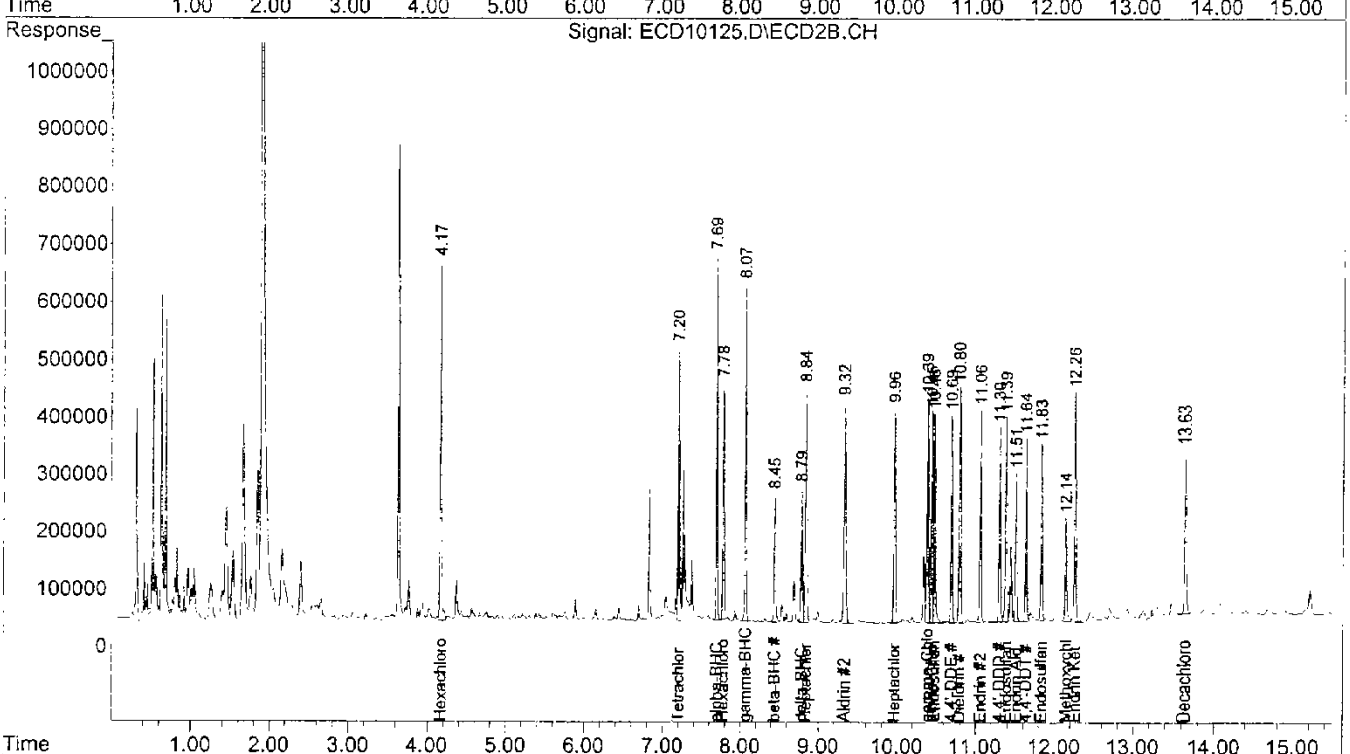
Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\050228\ECD10125.D\ECD1A.CH Vial: 12
Signal #2 : H:\DATA\050228\ECD10125.D\ECD2B.CH
Acq On : 2-28-2005 05:30:31 PM Operator: SJL/CRF
Sample : BS PE1833 Inst : Agilent E
Misc : SOLID #15 &10 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Mar 1 10:08 2005 Quant Results File: 050228.RES

Quant Method : H:\METHODS\050228.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Tue Mar 01 10:07:07 2005
Response via : Multiple Level Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :





01280

Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\050228\ECD10126.D\ECD1A.CH Vial: 13
Signal #2 : H:\DATA\050228\ECD10126.D\ECD2B.CH
Acq On : 2-28-2005 05:51:26 PM Operator: SJL/CRF
Sample : BSD PE1833 Inst : Agilent E
Misc : SOLID #15 &10 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Mar 01 10:08:56 2005 Quant Results File: 050228.RES

Quant Method : H:\METHODS\050228.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Tue Mar 01 10:07:07 2005
Response via : Initial Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
		System Monitoring Compounds							
2)	SR	Tetrachloro-m-xy	6.44	7.20	6692417	6154923	17.631	18.822	
		Spiked Amount 20.000 Range 60 - 150 Recovery =					88.16%	94.11%	
24)	SR	Decachlorobiphen	13.11	13.63	4593435	3591722	14.148	15.700	
		Spiked Amount 20.000 Range 60 - 150 Recovery =					70.74%	78.50%	
		Target Compounds							
1)	T	Hexachlorobutadi	3.34	4.17	10110403	8453899	16.464	15.945	
3)		alpha-BHC	7.21	7.69	8041537	7015053	13.901	14.423	
4)	T	Hexachlorobenzen	7.08	7.77	6442646	5250644	14.703	13.917	
5)	M	gamma-BHC (Linda	7.64	8.07	7737554	7122001	15.000	16.650	
6)		beta-BHC	7.95	8.45	3499076	3040992	14.544	14.891	
7)		delta-BHC	8.25	8.79	4129650	3416604	8.233	8.701	
8)	M	Heptachlor	8.02	8.84	9142633	6378024	19.001	15.106	
9)	M	Aldrin	8.37	9.32	7815728	6067023	15.040	14.642	
10)		Heptachlor Epoxi	9.17	9.96	6840273	5498721	14.371	14.470	
11)		gamma-Chlordane	9.51	10.39	6746857	5499684	13.798	14.194	
12)		alpha-Chlordane	9.64	10.44	6581085	5268117	12.552	12.700	
13)		Endosulfan I	9.70	10.48	6183521	5380168	13.554	15.156	
14)		4,4'-DDE	9.98	10.69	6596982	5199304	16.571	16.327	
15)	M	Dieldrin	10.08	10.80	7008371	5586719	14.987	15.098	
16)	M	Endrin	10.47	11.06	6299614	5119193	20.219	17.717	
17)		4,4'-DDD	10.71	11.30	4760733	4413086	12.078	14.898	
18)		Endosulfan II	10.82	11.39	6246456	4934792	14.253	13.741	
19)	M	4,4'-DDT	11.03	11.64	4745977	4134065	17.700	18.080	
20)		Endrin Aldehyde	11.09	11.51	7940086	3380065	31.328	18.485	#
21)		Endosulfan Sulfa	11.33	11.83	5059900	4106975	11.977	12.906	
22)		Methoxychlor	11.82	12.14	2906934	2535431	20.648	22.656	
23)		Endrin Ketone	11.96	12.26	6636082	5490767	12.825	13.524	

01281

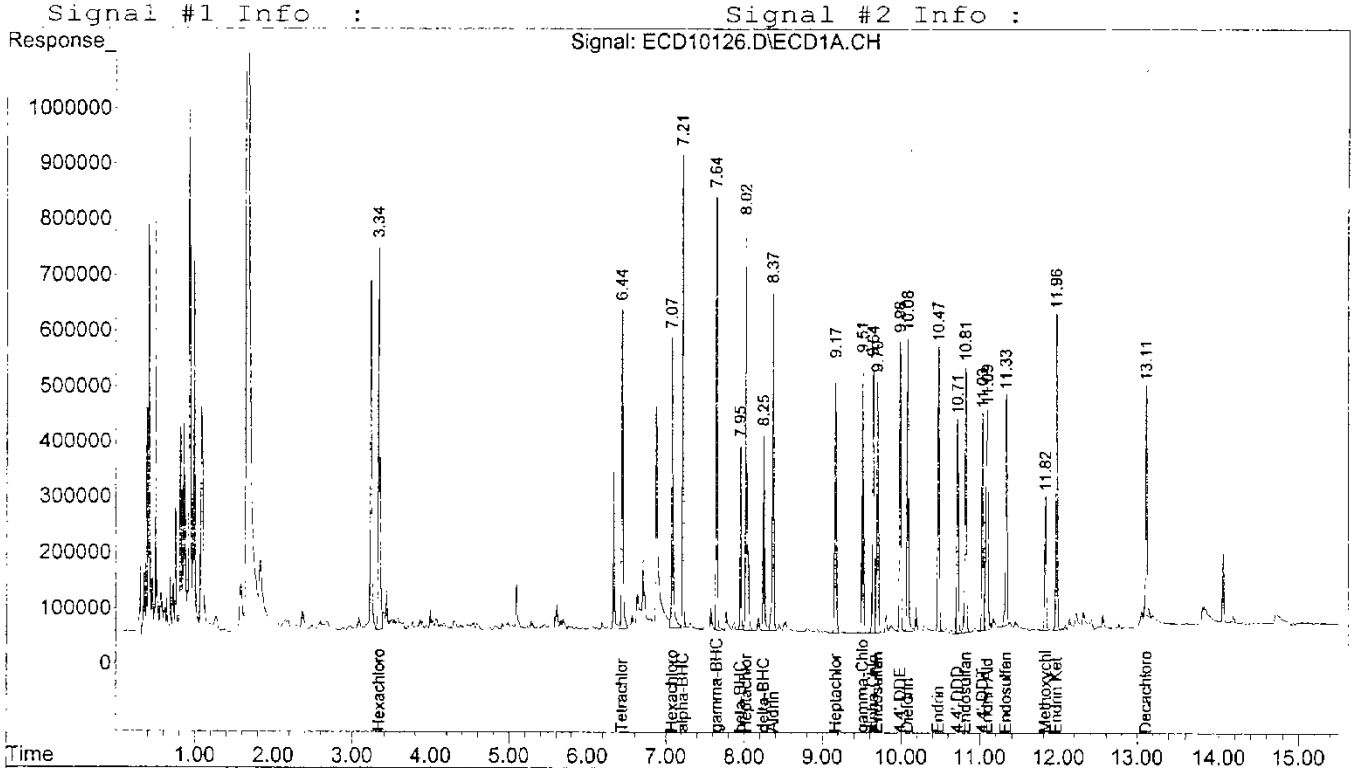
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

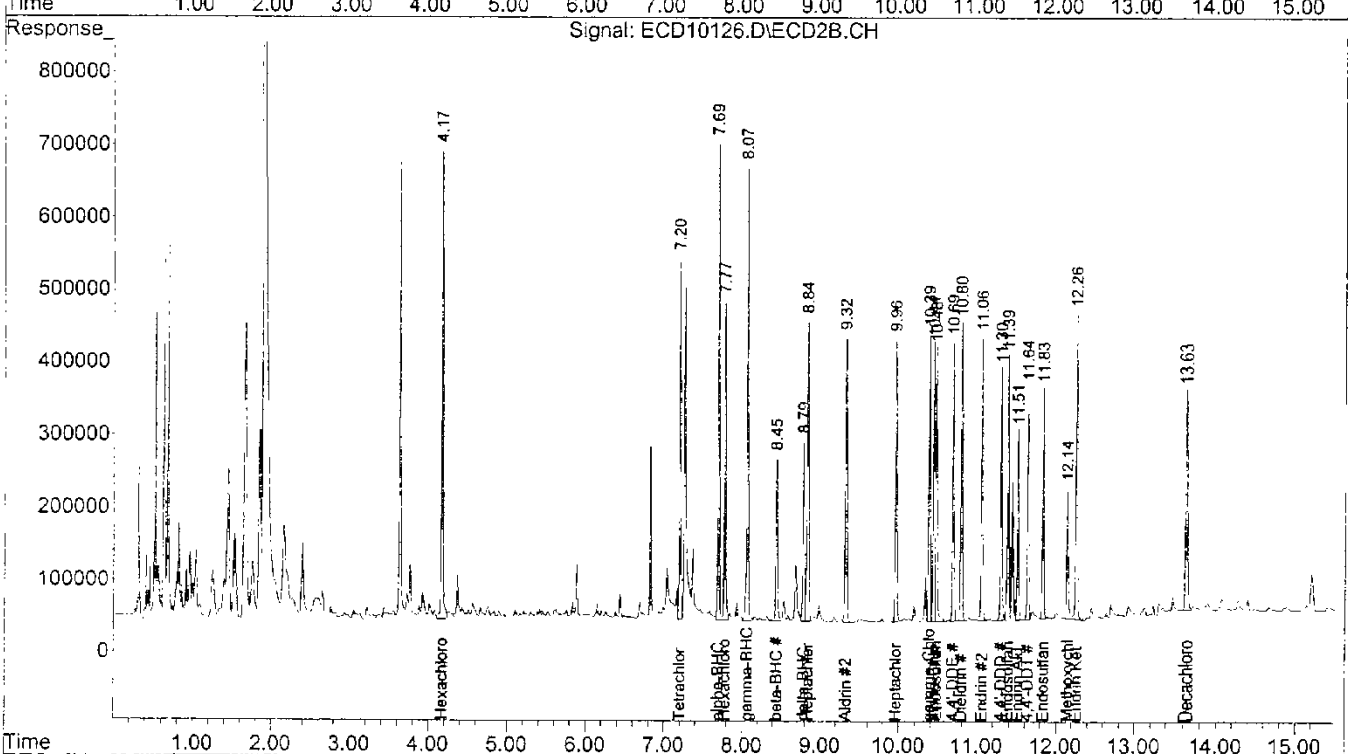
Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\050228\ECD10126.D\ECD1A.CH Vial: 13
Signal #2 : H:\DATA\050228\ECD10126.D\ECD2B.CH
Acq On : 2-28-2005 05:51:26 PM Operator: SJL/CRF
Sample : BSD PE1833 Inst : Agilent E
Misc : SOLID #15 &10 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Mar 1 10:08 2005 Quant Results File: 050228.RES

Quant Method : H:\METHODS\050228.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Tue Mar 01 10:07:07 2005
Response via : Multiple Level Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :





01282

MATIX SPIKE / MATRIX SPIKE DUPLICATE

Quantification Report (Not Reviewed)

Signal #1 : H:\DATA\050228\ECD10133.D\ECD1A.CH Vial: 20
Signal #2 : H:\DATA\050228\ECD10133.D\ECD2B.CH
Acq On : 2-28-2005 08:18:00 PM Operator: SJL/CRF
Sample : 126377-06 MS PE1833 Inst : Agilent E
Misc : SOLID &10 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Mar 01 10:09:46 2005 Quant Results File: 050228.RES

Quant Method : H:\METHODS\050228.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Tue Mar 01 10:07:07 2005
Response via : Initial Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
		System Monitoring Compounds							
2)	SR	Tetrachloro-m-xy	6.44	7.20	4543021	4372209	11.968	13.370	✓
		Spiked Amount 20.000 Range 60 - 150 Recovery =					59.84%#	66.85%	
24)	SR	Decachlorobiphen	13.11	13.63	3413862	2754031	10.515	12.038	✓
		Spiked Amount 20.000 Range 60 - 150 Recovery =					52.58%#	60.19%	
		Target Compounds							
1)	T	Hexachlorobutadi	3.34	4.17	7827341	6468260	12.746	12.200	
3)		alpha-BHC	7.21	7.69	6569892	5644419	11.357	11.605	
4)	T	Hexachlorobenzen	7.07	7.78	5209872	4140863	11.889	10.976	
5)	M	gamma-BHC (Linda	7.64	8.07	6467766	5918544	12.538	13.836	✓
6)		beta-BHC	7.95	8.45	3329841	2608910	13.840	12.775	
7)		delta-BHC	8.25	8.79	3535507	2812427	7.049	7.162	
8)	M	Heptachlor	8.02	8.84	8875646	5354613	18.446	12.683	#
9)	M	Aldrin	8.37	9.32	6470501	4976317	12.451	12.009	✓
10)		Heptachlor Epoxi	9.17	9.96	5584577	4571657	11.733	12.030	
11)		gamma-Chlordane	9.51	10.39	5456455	4483291	11.159	11.571	
12)		alpha-Chlordane	9.64	10.44	5375085	4246879	10.252	10.238	
13)		Endosulfan I	9.70	10.48	5006034	4499374	10.973	12.675	
14)		4,4'-DDE	9.98	10.69	5360029	4151847	13.464	13.038	✓
15)	M	Dieldrin	10.08	10.80	5890442	4493951	12.596	12.145	✓
16)	M	Endrin	10.47	11.06	5289622	4105205	16.978	14.208	
17)		4,4'-DDD	10.71	11.30	3754016	3587075	9.524	12.110	✓#
18)		Endosulfan II	10.81	11.39	5558042	4268731	12.683	11.886	
19)	M	4,4'-DDT	11.03	11.64	3997606	3443388	14.909	15.059	
20)		Endrin Aldehyde	11.09	11.51	6794000	2510261	26.806	13.728	#
21)		Endosulfan Sulfa	11.33	11.83	4768616	3422439	11.287	10.755	
22)		Methoxychlor	11.82	12.14	2380312	2300335	16.907	20.555	
23)		Endrin Ketone	11.96	12.26	5360625	4575843	10.360	11.271	

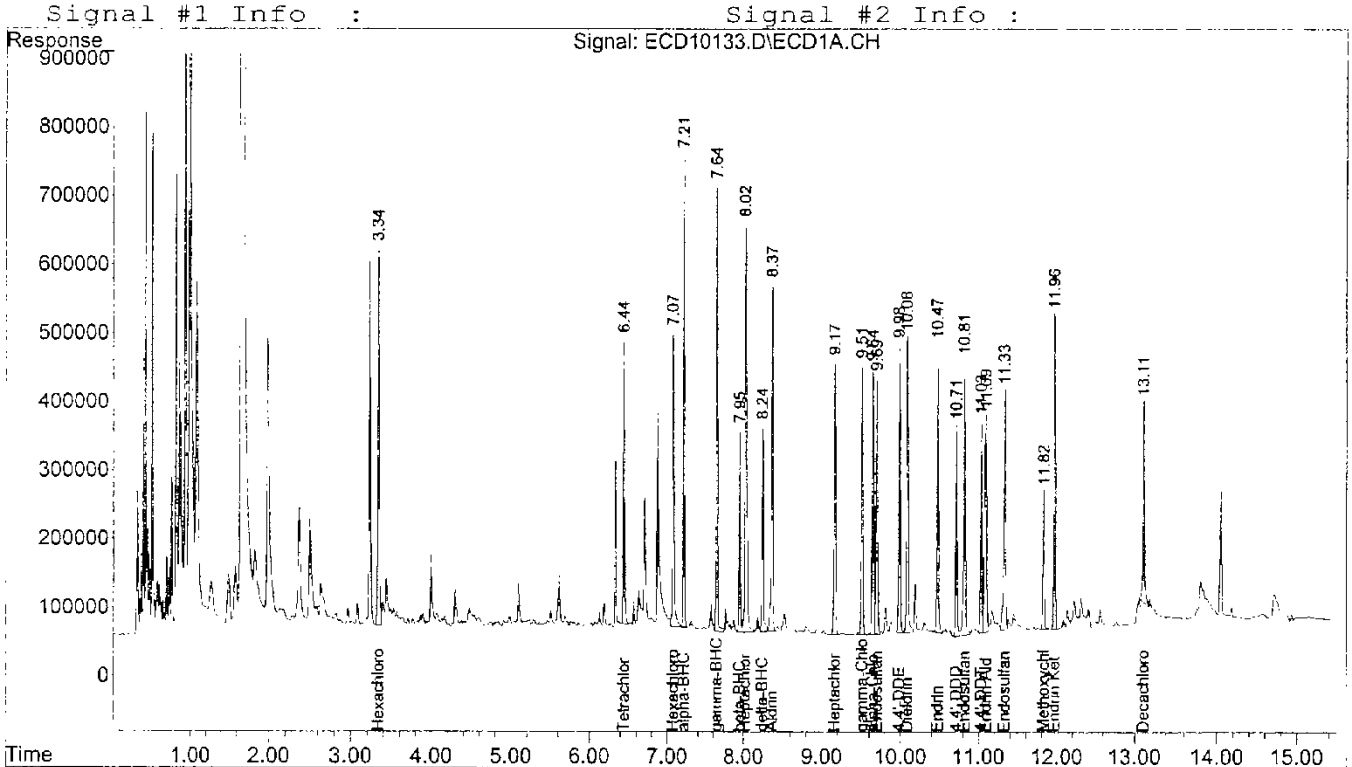
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

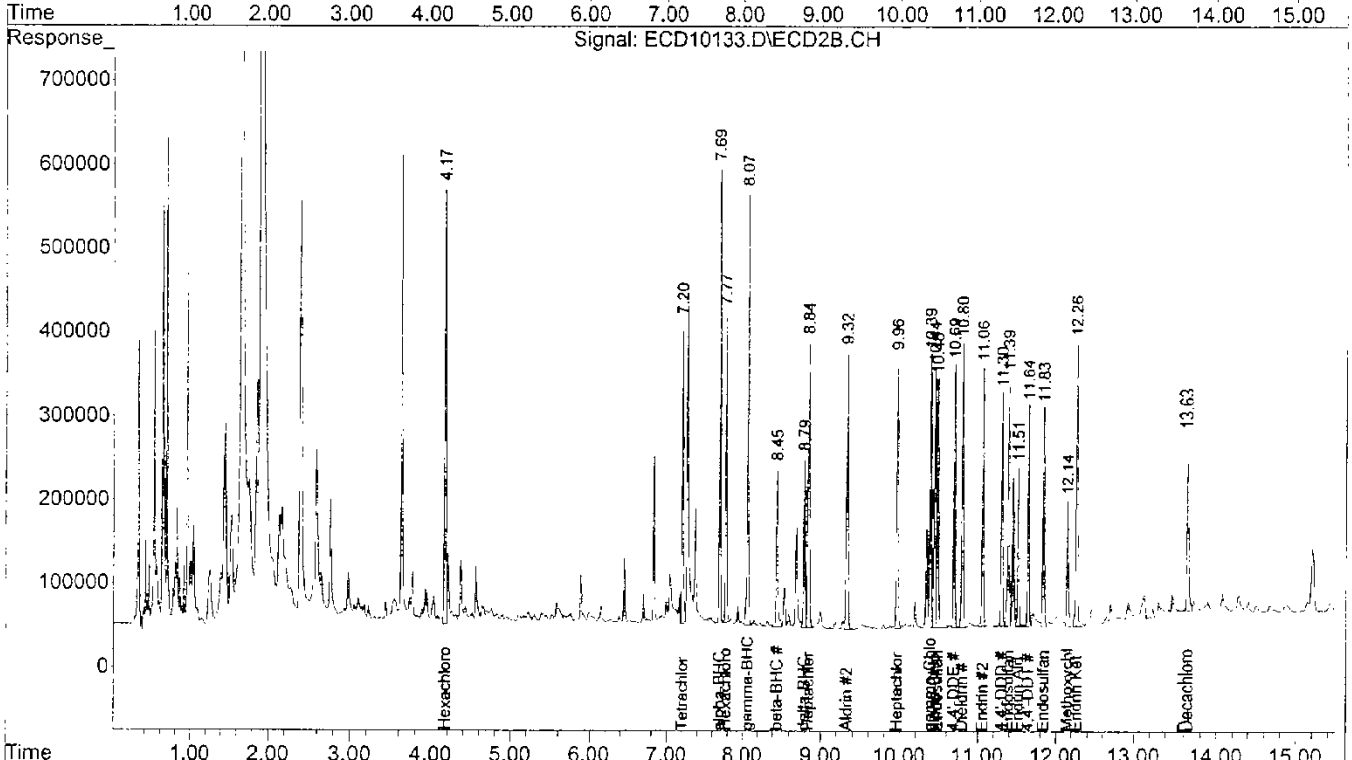
01284

Signal #1 : H:\DATA\050228\ECD10133.D\ECD1A.CH Vial: 20
Signal #2 : H:\DATA\050228\ECD10133.D\ECD2B.CH
Acq On : 2-28-2005 08:18:00 PM Operator: SJL/CRF
Sample : 126377-06 MS PE1833 Inst : Agilent E
Misc : SOLID &10 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Mar 1 10:09 2005 Quant Results File: 050228.RES

Quant Method : H:\METHODS\050228.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Tue Mar 01 10:07:07 2005
Response via : Multiple Level Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :





012285

Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\050228\ECD10134.D\ECD1A.CH Vial: 21
Signal #2 : H:\DATA\050228\ECD10134.D\ECD2B.CH
Acq On : 2-28-2005 08:39:01 PM Operator: SJL/CRF
Sample : 126377-06 MSD PE1833 Inst : Agilent E
Misc : SOLID &10 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Mar 01 10:09:54 2005 Quant Results File: 050228.RES

Quant Method : H:\METHODS\050228.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Tue Mar 01 10:07:07 2005
Response via : Initial Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
2)	SR	Tetrachloro-m-xy	6.44	7.20	4600243	4318718	12.119	13.207
		Spiked Amount 20.000 Range 60 - 150 Recovery =					60.59%	66.03%
24)	SR	Decachlorobiphen	13.11	13.63	3368262	2725052	10.375	11.911
		Spiked Amount 20.000 Range 60 - 150 Recovery =					51.88%#	59.56%#
		Target Compounds						
1)	T	Hexachlorobutadi	3.34	4.17	7595351	6431764	12.369	12.131
3)		alpha-BHC	7.21	7.69	6471603	5703672	11.187	11.727
4)	T	Hexachlorobenzen	7.08	7.77	4991465	4269052	11.391	11.316
5)	M	gamma-BHC (Linda	7.64	8.07	6411840	5938722	12.430	13.884
6)		beta-BHC	7.95	8.45	3264901	2594982	13.570	12.707
7)		delta-BHC	8.25	8.79	3462064	2775021	6.902	7.067
8)	M	Heptachlor	8.02	8.84	8698625	5301169	18.078	12.556 #
9)	M	Aldrin	8.37	9.32	6386306	4961479	12.289	11.974
10)		Heptachlor Epoxi	9.17	9.96	5517014	4539306	11.591	11.945
11)		gamma-Chlordane	9.51	10.39	5379528	4455465	11.002	11.499
12)		alpha-Chlordane	9.64	10.45	5282823	4226091	10.076	10.188
13)		Endosulfan I	9.70	10.48	4946940	4474030	10.843	12.603
14)		4,4'-DDE	9.98	10.69	5270171	4112893	13.238	12.916
15)	M	Dieldrin	10.08	10.80	5776920	4479406	12.354	12.106
16)	M	Endrin	10.47	11.06	5050812	4071710	16.211	14.092
17)		4,4'-DDD	10.71	11.30	3691225	3533169	9.365	11.928 #
18)		Endosulfan II	10.81	11.39	5549958	4279775	12.664	11.917
19)	M	4,4'-DDT	11.03	11.64	3895890	3300664	14.530	14.435
20)		Endrin Aldehyde	11.09	11.51	6686495	2441388	26.382	13.351 #
21)		Endosulfan Sulfa	11.33	11.83	4660276	3262087	11.031	10.251
22)		Methoxychlor	11.82	12.14	2296164	2146519	16.310	19.181
23)		Endrin Ketone	11.96	12.26	5236258	4463414	10.120	10.994

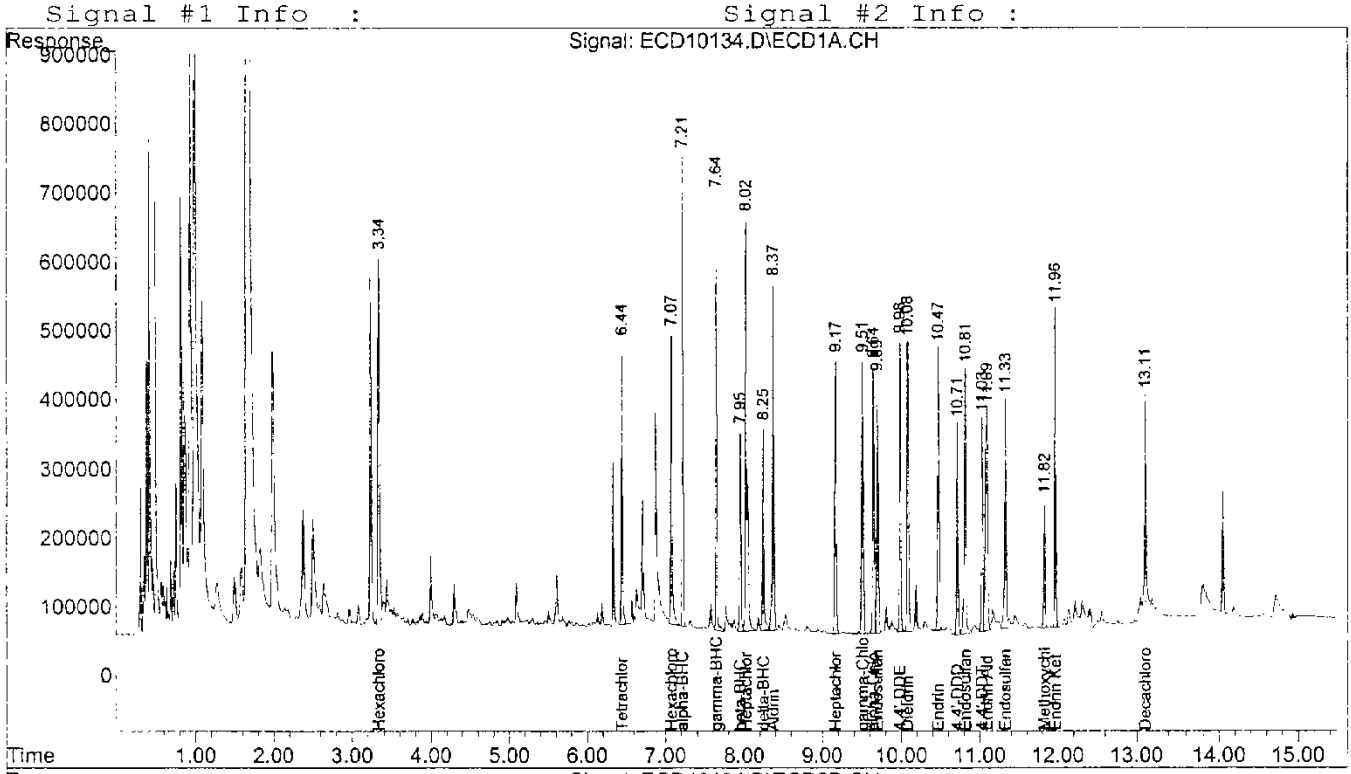
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

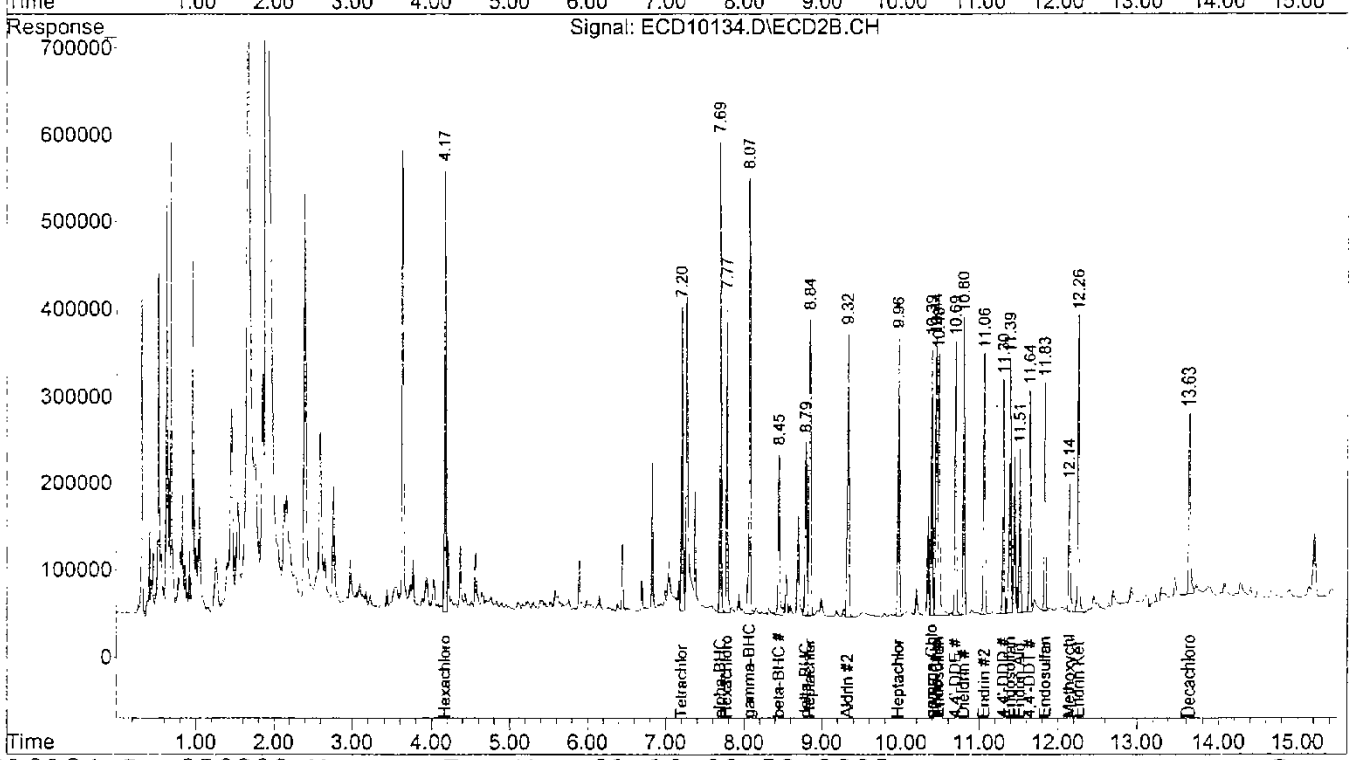
01286

Signal #1 : H:\DATA\050228\ECD10134.D\ECD1A.CH Vial: 21
Signal #2 : H:\DATA\050228\ECD10134.D\ECD2B.CH
Acq On : 2-28-2005 08:39:01 PM Operator: SJL/CRF
Sample : 126377-06 MSD PE1833 Inst : Agilent E
Misc : SOLID &10 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Mar 1 10:09 2005 Quant Results File: 050228.RES

Quant Method : H:\METHODS\050228.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Tue Mar 01 10:07:07 2005
Response via : Multiple Level Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :





01287

LABORATORY WORKSHEETS

01288

Chlorinated Pesticides Worksheet - total

QC Level:Tier IV w/ COE requirements

Matrix:solid

Parametrix, Inc.

Due: 03/02/05 | **Work Order - 126377**

Proj. Manager:Darla Powell

Special Instructions

~~5 day TAT~~ DP
Subbed TOC & Sulfide to STL Denver
Subbed Grain Size to STL Burlington
Subbed Dioxin to STL Sac

PROJ Spec

Sample number 126377-1	Client Sample ID	0205-OS-VC-01
Sample Weight/Volume	Date Received	2/18/2005
	Date Sampled	**2/17/2005 1:45:00 PM**
Chlor. Pest. - EPA 8081 all Plus HCBT + HCBD		
Sample number 126377-2	Client Sample ID	0205-OS-VC-02
Sample Weight/Volume	Date Received	2/18/2005
	Date Sampled	**2/17/2005 8:30:00 AM**
Chlor. Pest. - EPA 8081		
Sample number 126377-3	Client Sample ID	0205-OS-VC-03
Sample Weight/Volume	Date Received	2/18/2005
	Date Sampled	**2/17/2005 9:45:00 AM**
Chlor. Pest. - EPA 8081		
Sample number 126377-4	Client Sample ID	0205-OS-VC-03A
Sample Weight/Volume	Date Received	2/18/2005
	Date Sampled	**2/17/2005 9:45:00 AM**
Chlor. Pest. - EPA 8081		
Sample number 126377-5	Client Sample ID	0205-OS-VC-04
Sample Weight/Volume	Date Received	2/18/2005
	Date Sampled	**2/17/2005 12:50:00 PM**
Chlor. Pest. - EPA 8081		
Sample number 126377-6	Client Sample ID	0205-OS-VC-05
Sample Weight/Volume	Date Received	2/18/2005
	Date Sampled	**2/17/2005 10:50:00 AM**
Chlor. Pest. - EPA 8081		
Sample number 126377-7	Client Sample ID	0205-OS-VC-06
Sample Weight/Volume	Date Received	2/18/2005
	Date Sampled	**2/17/2005 11:25:00 AM**
Chlor. Pest. - EPA 8081		

See attached

Samples are: Low Level ☒ Small Volume ☐ Normal ☐

Analyst _____ Date 3/1/05

Reviewed by _____ Date 3/3/05

Organics worksheet v4.0
If you have suggestions for changes please bring them to me - Dennis

01289

Chlorinated Pesticides Worksheet - total

QC Level:Tier IV

Matrix:solid

Parametrix, Inc.

Due: 03/02/05

Work Order - 126377

Proj. Manager:Darla Powell

Special Instructions

5 day TAT
Subbed TOC & Sulfide to STL Denver
Subbed Grain Size to STL Burlington
Subbed Dioxin to STL Sac

Sample number 126377-8

Sample Weight/Volume

Chlor. Pest. - EPA 8081

Client Sample ID	0205-OS-VC-06Z
Date Received	2/18/2005
Date Sampled	**2/17/2005 11:20:00 AM**

Samples are: Low Level ☐ Small Volume ☐ Normal ☐

Analyst GA Date 3/1/05

Reviewed by ATM Date 3/3/05

Organics worksheet v4.0
If you have suggestions for changes please bring them to me - Dennis

01290

Printed -2/28/2005

Chlorinated Pesticide Analysis by USEPA Method 8081A

QCBatch ID	PE1833
Sample Matrix	soil
Surrogate Std. No.	1174-30-02
Surrogate Exp Date	7/25/2005
8081A MS Spike No.	1174-27-3
MS Exp Date	04/07/05
MeCl2 Lot #	
Hexane Lot #	043596
Acetone Lot #	042951
Extraction Method	3550

Weighed By/Date sjl 2/24/05

Extracted By/Date: sjl 2/24/05

	QC Identifier	Sample Weight (g)	Final Volume	Surr Spike (ul)	MS/BS spike amt (ul)
Method Blank	PE1833	15.0000	10	100	
Duplicate	124689r39				
Duplicate-2					
Blank Spike		15.0000	10	100	100
Blank Spike Duplicate		15.0000	10	100	100
Matrix Spike	126377s6	16.1683	10	100	100
Matrix Spike Duplicate	126377d6	15.3184	10	100	100
Matrix Spike-2	125275s5				
Matrix Spike Duplicate-2	125275d5				

Sample	Client Sample ID	Sample Weight (g)	Final Volume (ml)	Surr Spike (ul)	Sample Cleanup?
126377-1	0205-OS-VC-01	22.8490	10	100	
126377-2	0205-OS-VC-02	19.0729	10	100	
126377-3	0205-OS-VC-03	19.0022	10	100	
126377-4	0205-OS-VC-03A	20.0927	10	100	
126377-5	0205-OS-VC-04	18.1972	10	100	
126377-6	0205-OS-VC-05	14.2214	10	100	
126377-7	0205-OS-VC-06	20.1489	10	100	
126377-8	0205-OS-VC-06Z	20.8699	10	100	

STL Seattle

6a **Sample Information**

Th Client Name	**Parametrix, Inc.**
Work Order Number	**126377**
Sample Number	**1**
QC Batch Number	**PE1833**
Client Sample ID	**0205-OS-VC-01**
Date Received	**02-18-05**
Date Prepared	**02-24-05**
Date Analyzed	**02-28-05**
Sample matrix type	**solid**
QC sample type	**sample**

Related Blank: PE1833

Sample weight (g)	**22.849**	=	0.02285 /kg	Calc. Fact.	0.782087053
Extract volume (ml)	**10**	=	10 ml	Dry Weight	12.7863004 g
Dilution Factor		=	1	Sample Units	ug/kg
% Solids	**55.96**	=	0.5596	Spike Factor	78.20870531
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	1
Report in PPM		=	1		
mg/kg Carbon		=	1		

	Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	Tetrachloro-m-xylene	14.734		73.7	OK		
x	Decachlorobiphenyl	22.69		113	OK		
					-		
					-		
					-		
					-		
					-		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	4,4'-DDD	0.755	C1		0.59	J C1	1.56
x	4,4'-DDE	1.391	C1		1.09	J C1	1.56

$$\frac{1.391 \times 10\ ml}{22.849 \times 0.5596} = 1.087$$

01292

STL Seattle

6a **Sample Information**

Th Client Name	**Parametrix, Inc.**	
Work Order Number	**126377**	
Sample Number	**2**	Related Blank: PE1833
QC Batch Number	**PE1833**	
Client Sample ID	**0205-OS-VC-02**	
Date Received	**02-18-05**	
Date Prepared	**02-24-05**	
Date Analyzed	**02-28-05**	
Sample matrix type	**solid**	
QC sample type	**sample**	

Sample weight (g)	**19.0729**	=	0.01907 /kg	Calc. Fact.	0.732063833
Extract volume (ml)	**10**	=	10 ml	Dry Weight	13.66001098 g
Dilution Factor		=	1	Sample Units	ug/kg
% Solids	**71.62**	=	0.7162	Spike Factor	73.20638332
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	1
Report in PPM		=	1		
mg/kg Carbon		=	1		

	Surrogate	**Quan Value**	**User Flags**	**% Rec.**	**Warning**	**Water Low**	**Water High**
x	Tetrachloro-m-xylene	14.827		74.1	**OK**		
x	Decachlorobiphenyl	13.716		68.6	**OK**		

x	**Target Analytes**	**Quan Value**	**User Flag**	**Blank**	**Calculated Amount**	**Total Flags**	**PQL**
x	4,4'-DDE	0.829	C1		0.607	J C1	1.46

01293

STL Seattle

6a **Sample Information**

Th	Client Name	**Parametrix, Inc.**
	Work Order Number	**126377**
	Sample Number	**3**
	QC Batch Number	**PE1833**
	Client Sample ID	**0205-OS-VC-03**
	Date Received	**02-18-05**
	Date Prepared	**02-24-05**
	Date Analyzed	**02-28-05**
	Sample matrix type	**solid**
	QC sample type	**sample**

Related Blank: PE1833

Sample weight (g)	**19.0022**	=	0.019 /kg	Calc. Fact.	0.792791285
Extract volume (ml)	**10**	=	10 ml	Dry Weight	12.61366036 g
Dilution Factor		=	1	Sample Units	ug/kg
% Solids	**66.38**	=	0.6638	Spike Factor	79.27912846
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	1
Report in PPM		=	1		
mg/kg Carbon		=	1		

	Surrogate	**Quan Value**	**User Flags**	**% Rec.**	**Warning**	**Water Low**	**Water High**
x	Tetrachloro-m-xylene	14.206		71	OK		
x	Decachlorobiphenyl	13.515		67.6	OK		

x	**Target Analytes**	**Quan Value**	**User Flag**	**Blank**	**Calculated Amount**	**Total Flags**	**PQL**
x	4,4'-DDE	0.975	C1		0.773	J C1	1.59

STL Seattle

6a **Sample Information**

Th Client Name	**Parametrix, Inc.**	
Work Order Number	**126377**	
Sample Number	**4**	Related Blank: PE1833
QC Batch Number	**PE1833**	
Client Sample ID	**0205-OS-VC-03A**	
Date Received	**02-18-05**	
Date Prepared	**02-24-05**	
Date Analyzed	**02-28-05**	
Sample matrix type	**solid**	
QC sample type	**sample**	

Sample weight (g)	**20.0927**	=	0.02009 /kg	Calc. Fact.	0.749086683
Extract volume (ml)	**10**	=	10 ml	Dry Weight	13.34958988 g
Dilution Factor		=	1	Sample Units	ug/kg
% Solids	**66.44**	=	0.6644	Spike Factor	74.90866828
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	1
Report in PPM		=	1		
mg/kg Carbon		=	1		

	Surrogate	**Quan Value**	**User Flags**	**% Rec.**	**Warning**	**Water Low**	**Water High**
x	Tetrachloro-m-xylene	13.731		68.7	OK		
x	Decachlorobiphenyl	23.313		117	OK		
					-		
					-		
					-		
					-		
					-		

x	**Target Analytes**	**Quan Value**	**User Flag**	**Blank**	**Calculated Amount**	**Total Flags**	**PQL**
x	4,4'-DDE	1.012	C1		0.758	J C1	1.5

01295

STL Seattle

6a **Sample Information**

Th	Client Name	**Parametrix, Inc.**
	Work Order Number	**126377**
	Sample Number	**5**
	QC Batch Number	**PE1833**
	Client Sample ID	**0205-OS-VC-04**
	Date Received	**02-18-05**
	Date Prepared	**02-24-05**
	Date Analyzed	**02-28-05**
	Sample matrix type	**solid**
	QC sample type	**sample**

Related Blank: PE1833

Sample weight (g)	**18.1972**	=	0.0182 /kg	Calc. Fact.	0.782256361
Extract volume (ml)	**10**	=	10 ml	Dry Weight	12.783533 g
Dilution Factor		=	1	Sample Units	ug/kg
% Solids	**70.25**	=	0.7025	Spike Factor	78.22563606
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	1
Report in PPM		=	1		
mg/kg Carbon		=	1		

	Surrogate	**Quan Value**	**User Flags**	**% Rec.**	**Warning**	**Water Low**	**Water High**
x	Tetrachloro-m-xylene	13.859		69.3	OK		
x	Decachlorobiphenyl	14.603		73	OK		

x	**Target Analytes**	**Quan Value**	**User Flag**	**Blank**	**Calculated Amount**	**Total Flags**	**PQL**
x	4,4'-DDE	1.209	C1		0.946	J C1	1.56

01296

STL Seattle

6a **Sample Information**

Th	Client Name	**Parametrix, Inc.**
	Work Order Number	**126377**
	Sample Number	**6**
	QC Batch Number	**PE1833**
	Client Sample ID	**0205-OS-VC-05**
	Date Received	**02-18-05**
	Date Prepared	**02-24-05**
	Date Analyzed	**02-28-05**
	Sample matrix type	**solid**
	QC sample type	**sample**

Related Blank: PE1833

Sample weight (g)	**14.2214**	=	0.01422 /kg	Calc. Fact.	0.823571857
Extract volume (ml)	**10**	=	10 ml	Dry Weight	12.14223132 g
Dilution Factor		=	1	Sample Units	ug/kg
% Solids	**85.38**	=	0.8538	Spike Factor	82.35718573
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	1
Report in PPM		=	1		
mg/kg Carbon		=	1		

	Surrogate	**Quan Value**	**User Flags**	**% Rec.**	**Warning**	**Water Low**	**Water High**
x	Tetrachloro-m-xylene	14.984		74.9	OK		
x	Decachlorobiphenyl	14.678		73.4	OK		
					-		
					-		
					-		
					-		
					-		

x	**Target Analytes**	**Quan Value**	**User Flag**	**Blank**	**Calculated Amount**	**Total Flags**	**PQL**

01297

STL Seattle

6a **Sample Information**

Th Client Name	**Parametrix, Inc.**	
Work Order Number	**126377**	
Sample Number	**6**	Related Blank: PE1833
QC Batch Number	**PE1833**	
Client Sample ID	**0205-OS-VC-05**	
Date Received	**02-18-05**	
Date Prepared	**02-24-05**	
Date Analyzed	**02-28-05**	
Sample matrix type	**solid**	
QC sample type	**ms**	

Sample weight (g)	**16.1683**	=	0.01617 /kg	Calc. Fact.	0.72440175
Extract volume (ml)	**10**	=	10 ml	Dry Weight	13.80449454 g
Dilution Factor		=	1	Sample Units	ug/kg
% Solids	**85.38**	=	0.8538	Spike Factor	72.44017498
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	1
Report in PPM		=	1		
mg/kg Carbon		=	1		

	Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	Tetrachloro-m-xylene	13.37		66.9	OK		
x	Decachlorobiphenyl	12.038		60.2	OK		
					-		
					-		
					-		
					-		
					-		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Aldrin	12.009	C1		8.7	C1	0.724
x	gamma-BHC (Lindane)	13.836	C1		10	C1	0.724
x	4,4'-DDD	12.11	C1		8.77	C1	1.45
x	4,4'-DDE	13.038	C1		9.44	C1	1.45
x	4,4'-DDT	15.059	C1		10.9	C1	1.45
x	Dieldrin	12.145	C1		8.8	C1	1.45
x	Heptachlor	12.683	C1		9.19	C1	0.724
x	alpha-Chlordane	10.238	C1		7.42	C1	0.724
x	gamma-Chlordane	11.571	C1		8.38	C1	0.724
x	Hexachlorobenzene	10.976	C1		7.95	C1	1.45
x	Hexachlorobutadiene	12.2	C1		8.84	C1	0.724

01298

STL Seattle

6a **Sample Information**

Th Client Name	**Parametrix, Inc.**	
Work Order Number	**126377**	
Sample Number	**6**	Related Blank: PE1833
QC Batch Number	**PE1833**	
Client Sample ID	**0205-OS-VC-05**	
Date Received	**02-18-05**	
Date Prepared	**02-24-05**	
Date Analyzed	**02-28-05**	
Sample matrix type	**solid**	
QC sample type	**msd**	

Sample weight (g)	**15.3184**	=	0.01532 /kg	Calc. Fact.	0.764593222
Extract volume (ml)	**10**	=	10 ml	Dry Weight	13.07884992 g
Dilution Factor		=	1	Sample Units	ug/kg
% Solids	**85.38**	=	0.8538	Spike Factor	76.4593222
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	1
Report in PPM		=	1		
mg/kg Carbon		=	1		

	Surrogate	**Quan Value**	**User Flags**	**% Rec.**	**Warning**	**Water Low**	**Water High**
x	Tetrachloro-m-xylene	13.207		66	OK		
x	Decachlorobiphenyl	11.911		59.6	OK		
					-		
					-		
					-		
					-		
					-		

x	**Target Analytes**	**Quan Value**	**User Flag**	**Blank**	**Calculated Amount**	**Total Flags**	**PQL**
x	Aldrin	11.974	C1		9.16	C1	0.765
x	gamma-BHC (Lindane)	13.884	C1		10.6	C1	0.765
x	4,4'-DDD	11.928	C1		9.12	C1	1.53
x	4,4'-DDE	12.916	C1		9.88	C1	1.53
x	4,4'-DDT	14.435	C1		11	C1	1.53
x	Dieldrin	12.106	C1		9.26	C1	1.53
x	Heptachlor	12.556	C1		9.6	C1	0.765
x	alpha-Chlordane	10.188	C1		7.79	C1	0.765
x	gamma-Chlordane	11.499	C1		8.79	C1	0.765
x	Hexachlorobenzene	11.316	C1		8.65	C1	1.53
x	Hexachlorobutadiene	12.131	C1		9.28	C1	0.765

STL Seattle

6a **Sample Information**

Th	Client Name	**Parametrix, Inc.**
	Work Order Number	**126377**
	Sample Number	**7**
	QC Batch Number	**PE1833**
	Client Sample ID	**0205-OS-VC-06**
	Date Received	**02-18-05**
	Date Prepared	**02-24-05**
	Date Analyzed	**02-28-05**
	Sample matrix type	**solid**
	QC sample type	**sample**

Related Blank: PE1833

Sample weight (g)	**20.1489**	=	0.02015 /kg	Calc. Fact.	0.828832681
Extract volume (ml)	**10**	=	10 ml	Dry Weight	12.06516132 g
Dilution Factor		=	1	Sample Units	ug/kg
% Solids	**59.88**	=	0.5988	Spike Factor	82.88326807
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	1
Report in PPM		=	1		
mg/kg Carbon		=	1		

	Surrogate	**Quan Value**	**User Flags**	**% Rec.**	**Warning**	**Water Low**	**Water High**
x	Tetrachloro-m-xylene	14.458		72.3	**OK**		
x	Decachlorobiphenyl	14.295		71.5	**OK**		
					-		
					-		
					-		
					-		
					-		

x	**Target Analytes**	**Quan Value**	**User Flag**	**Blank**	**Calculated Amount**	**Total Flags**	**PQL**
x	4,4'-DDD	0.792	C1		0.656	J C1	1.66
x	4,4'-DDE	1.823	C1		1.51	J C1	1.66
x	4,4'-DDT	1.374	C2		1.14	J C2	1.66

STL Seattle

6a **Sample Information**

Th Client Name	**Parametrix, Inc.**	
Work Order Number	**126377**	
Sample Number	**8**	Related Blank: PE1833
QC Batch Number	**PE1833**	
Client Sample ID	**0205-OS-VC-06Z**	
Date Received	**02-18-05**	
Date Prepared	**02-24-05**	
Date Analyzed	**02-28-05**	
Sample matrix type	**solid**	
QC sample type	**sample**	

Sample weight (g)	**20.8699**	=	0.02087 /kg	Calc. Fact.	0.828278272
Extract volume (ml)	**10**	=	10 ml	Dry Weight	12.07323715 g
Dilution Factor		=	1	Sample Units	ug/kg
% Solids	**57.85**	=	0.5785	Spike Factor	82.82782717
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	1
Report in PPM		=	1		
mg/kg Carbon		=	1		

	Surrogate	**Quan Value**	**User Flags**	**% Rec.**	**Warning**	**Water Low**	**Water High**
x	Tetrachloro-m-xylene	16.95		84.8	**OK**		
x	Decachlorobiphenyl	15.927		79.6	**OK**		
					-		
					-		
					-		
					-		
					-		

x	**Target Analytes**	**Quan Value**	**User Flag**	**Blank**	**Calculated Amount**	**Total Flags**	**PQL**

01301

STL Seattle

6a **Sample Information**

Th Client Name	
Work Order Number	
Sample Number	
QC Batch Number	**PE1833**
Client Sample ID	
Date Received	
Date Prepared	**02-24-05**
Date Analyzed	**02-28-05**
Sample matrix type	**solid**
QC sample type	**blank**

Related Blank: noblank

Sample weight (g)	**15**	=	0.015 /kg	Calc. Fact.	0.666666667
Extract volume (ml)	**10**	=	10 ml	Dry Weight	15 g
Dilution Factor		=	1	Sample Units	ug/kg
% Solids		=	1	Spike Factor	66.66666667
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	1
Report in PPM		=	1		
mg/kg Carbon		=	1		

	Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	Tetrachloro-m-xylene	16.538		82.7	**OK**		
x	Decachlorobiphenyl	14.531		72.7	**OK**		
					-		
					-		
					-		
					-		
					-		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL

01302

STL Seattle

6a **Sample Information**

Th Client Name	
Work Order Number	
Sample Number	
QC Batch Number	**PE1833**
Client Sample ID	
Date Received	
Date Prepared	**02-24-05**
Date Analyzed	**02-28-05**
Sample matrix type	**solid**
QC sample type	**bs**

Related Blank: PE1833

Sample weight (g)	**15**	=	0.015 /kg	Calc. Fact.	0.666666667
Extract volume (ml)	**10**	=	10 ml	Dry Weight	15 g
Dilution Factor		=	1	Sample Units	ug/kg
% Solids		=	1	Spike Factor	66.66666667
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	1
Report in PPM		=	1		
mg/kg Carbon		=	1		

	Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	Tetrachloro-m-xylene	17.618		88.1	OK		
x	Decachlorobiphenyl	15.219		76.1	OK		
					-		
					-		
					-		
					-		
					-		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Aldrin	14.124	C1		9.42	C1	0.667
x	gamma-BHC (Lindane)	15.125	C1		10.1	C1	0.667
x	4,4'-DDD	14.463	C1		9.64	C1	1.33
x	4,4'-DDE	15.443	C1		10.3	C1	1.33
x	4,4'-DDT	17.442	C1		11.6	C1	1.33
x	Dieldrin	14.524	C1		9.68	C1	1.33
x	Heptachlor	14.575	C1		9.72	C1	0.667
x	alpha-Chlordane	12.307	C1		8.2	C1	0.667
x	gamma-Chlordane	13.704	C1		9.14	C1	0.667
x	Hexachlorobenzene	12.277	C1		8.18	C1	1.33
x	Hexachlorobutadiene	15.107	C1		10.1	C1	0.667

STL Seattle

6a **Sample Information**

Th Client Name	
Work Order Number	
Sample Number	
QC Batch Number	**PE1833**
Client Sample ID	
Date Received	
Date Prepared	**02-24-05**
Date Analyzed	**02-28-05**
Sample matrix type	**solid**
QC sample type	**bsd**

Related Blank: PE1833

Sample weight (g)	**15**	=	0.015 /kg	Calc. Fact.	0.666666667
Extract volume (ml)	**10**	=	10 ml	Dry Weight	15 g
Dilution Factor		=	1	Sample Units	ug/kg
% Solids		=	1	Spike Factor	66.66666667
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	1
Report in PPM		=	1		
mg/kg Carbon		=	1		

x	Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	Tetrachloro-m-xylene	18.822		94.1	**OK**		
x	Decachlorobiphenyl	15.7		78.5	**OK**		
					-		
					-		
					-		
					-		
					-		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Aldrin	14.642	C1		9.76	C1	0.667
x	gamma-BHC (Lindane)	16.65	C1		11.1	C1	0.667
x	4,4'-DDD	14.898	C1		9.93	C1	1.33
x	4,4'-DDE	16.327	C1		10.9	C1	1.33
x	4,4'-DDT	18.08	C1		12.1	C1	1.33
x	Dieldrin	15.098	C1		10.1	C1	1.33
x	Heptachlor	15.106	C1		10.1	C1	0.667
x	alpha-Chlordane	12.7	C1		8.47	C1	0.667
x	gamma-Chlordane	14.194	C1		9.46	C1	0.667
x	Hexachlorobenzene	13.917	C1		9.28	C1	1.33
x	Hexachlorobutadiene	15.945	C1		10.6	C1	0.667

PCB DATA PACKAGE

SAMPLE DATA

01306

Quantitation Report (Not Reviewed)

Signal #1 : Z:\DATA\030105_A\PCB4411.D\ADC1A.CH Vial: 18
Signal #2 : Z:\DATA\030105_A\PCB4411.D\ADC1B.CH
Acq On : 1 Mar 2005 10:14 pm Operator: STM
Sample : 126377-1 &10 Inst : Dual Colu
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Mar 02 09:41:43 2005 Quant Results File: 42600217.RES

Quant Method : Z:\METHODS\42600217.M (Chemstation Integrator)
Title : PCBs by USEPA Method 8082
Last Update : Fri Feb 18 12:52:28 2005
Response via : Initial Calibration
DataAcq Meth : PCB_RUN.M

Volume Inj. : 1.5ul
Signal #1 Phase : DB-35MS Signal #2 Phase: DB-XLB
Signal #1 Info : 0.320mm x 0.25um Signal #2 Info : 0.320mm x 0.50um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) S Tetrachloro-m-xy	4.42	5.61	35795335	21567060	15.324	15.002
Spiked Amount 20.000			Recovery	=	76.62%	75.01%
14) S Decachlorobiphen	14.31	15.84	38163616	18273837	19.220	18.002
Spiked Amount 20.000			Recovery	=	96.10%	90.01%
Target Compounds						
2) L3 Aroclor 1242	0.00	6.17	0	1011447	N.D.	40.659 #
3) L3 Aroclor 1242 {2}	0.00	6.81	0	54960	N.D.	2.486 #
4) L3 Aroclor 1242 {3}	7.58	8.00	1744242	370650	43.599	11.457 #
5) L3 Aroclor 1242 {4}	7.77	8.14	2516857	341511	58.410	18.947 #
6) L3 Aroclor 1242 {5}	8.24	8.51	3695123	150576	50.520	6.438 #
7) L3 Aroclor 1242 - T	0.00	0.00	7956221	1929143	29.063m	15.976m#
8) L4 Aroclor 1260	9.27	10.70	3474507	218117	31.565	4.240 #
9) L4 Aroclor 1260 {2}	9.53	11.18	6905204	268265	68.485	2.956 #
10) L4 Aroclor 1260 {3}	9.85	11.42	4309025	214662	21.162	3.627 #
11) L4 Aroclor 1260 {4}	0.00	0.00	0	0	N.D.	N.D.
12) L4 Aroclor 1260 {5}	11.55	0.00	3502336	0	12.159	N.D. #
13) L4 Aroclor 1260 - T	0.00	0.00	18191073	701044	21.973m	1.649m#

No aroclor pattern

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

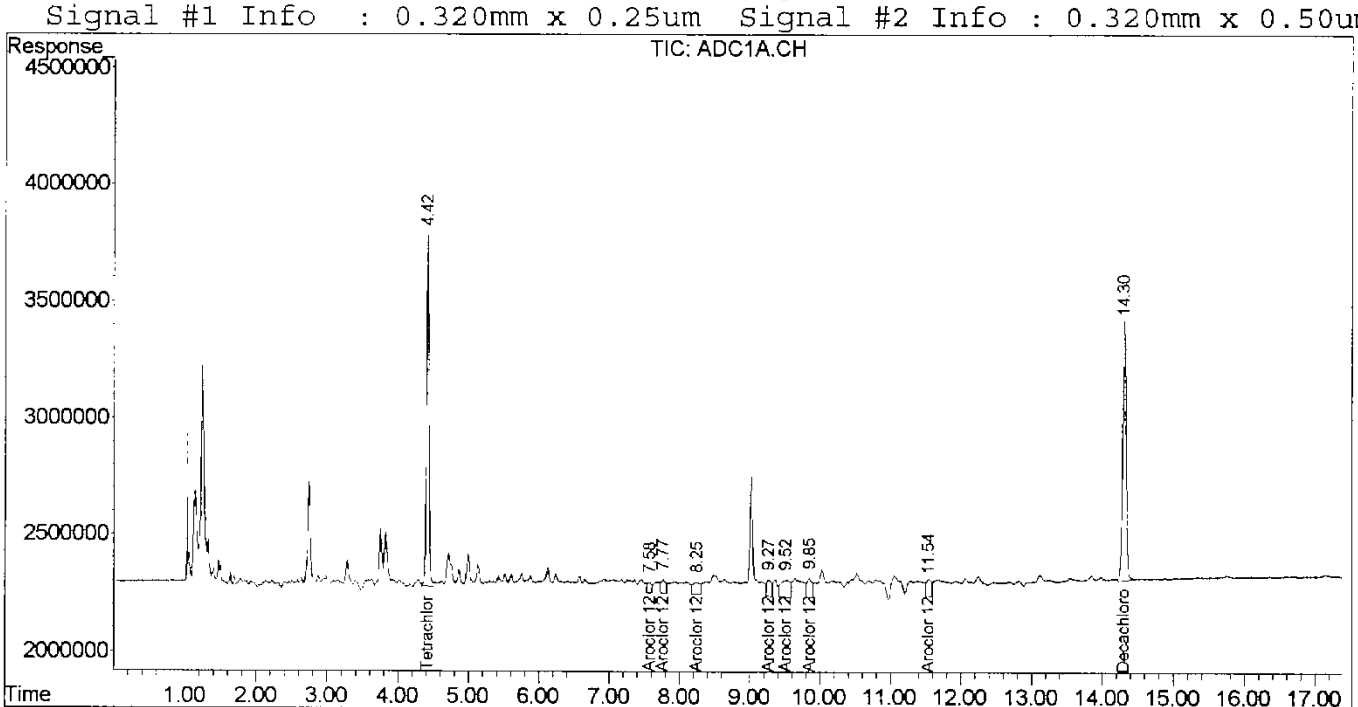
01307

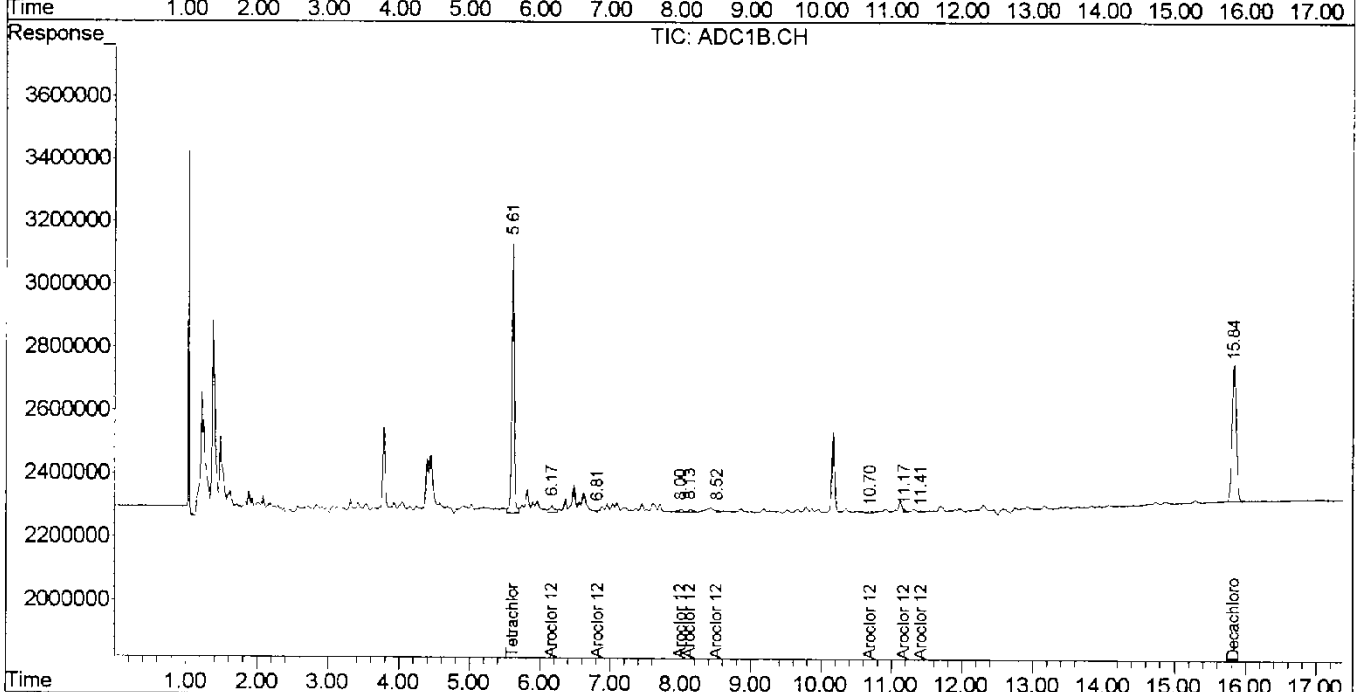
Quantitation Report (Not Reviewed)

Signal #1 : Z:\DATA\030105_A\PCB4411.D\ADC1A.CH Vial: 18
Signal #2 : Z:\DATA\030105_A\PCB4411.D\ADC1B.CH
Acq On : 1 Mar 2005 10:14 pm Operator: STM
Sample : 126377-1 &10 Inst : Dual Colu
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Mar 2 9:41 2005 Quant Results File: 42600217.RES

Quant Method : Z:\METHODS\42600217.M (Chemstation Integrator)
Title : PCBs by USEPA Method 8082
Last Update : Fri Feb 18 12:52:28 2005
Response via : Multiple Level Calibration
DataAcq Meth : PCB_RUN.M

Volume Inj. : 1.5ul
Signal #1 Phase : DB-35MS Signal #2 Phase: DB-XLB
Signal #1 Info : 0.320mm x 0.25um Signal #2 Info : 0.320mm x 0.50um





013008

Quantitation Report (Not Reviewed)

Signal #1 : Z:\DATA\030105_A\PCB4412.D\ADC1A.CH Vial: 19
Signal #2 : Z:\DATA\030105_A\PCB4412.D\ADC1B.CH
Acq On : 1 Mar 2005 10:34 pm Operator: STM
Sample : 126377-2 &10 Inst : Dual Colu
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Mar 02 09:41:50 2005 Quant Results File: 42600217.RES

Quant Method : Z:\METHODS\42600217.M (Chemstation Integrator)
Title : PCBs by USEPA Method 8082
Last Update : Fri Feb 18 12:52:28 2005
Response via : Initial Calibration
DataAcq Meth : PCB_RUN.M

Volume Inj. : 1.5ul
Signal #1 Phase : DB-35MS Signal #2 Phase: DB-XLB
Signal #1 Info : 0.320mm x 0.25um Signal #2 Info : 0.320mm x 0.50um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) S Tetrachloro-m-xy	4.41	5.60	36723681	22223972	15.722	15.459
Spiked Amount 20.000			Recovery	=	78.61%	77.30%
14) S Decachlorobiphen	14.29	15.83	35854149	18742914	18.057	18.464
Spiked Amount 20.000			Recovery	=	90.28%	92.32%
Target Compounds						
2) L3 Aroclor 1242	5.99	6.21	1348309	166830	23.462	6.706 #
3) L3 Aroclor 1242 {2}	6.89	6.81	3361670	101385	55.981	4.586 #
4) L3 Aroclor 1242 {3}	7.57	7.98	2020503	29286	50.505	0.905 #
5) L3 Aroclor 1242 {4}	0.00	8.13	0	328344	N.D.	18.216 #
6) L3 Aroclor 1242 {5}	8.25	0.00	1975332	0	27.007	N.D. #
7) L3 Aroclor 1242 - T	0.00	0.00	8705813	625845	31.801m	5.183m#
8) L4 Aroclor 1260	9.26	10.69	2319858	226431	21.075	4.402 #
9) L4 Aroclor 1260 {2}	9.53	11.18	4747746	322366	47.087	3.552 #
10) L4 Aroclor 1260 {3}	9.81	11.41	2179403	258232	10.703	4.363 #
11) L4 Aroclor 1260 {4}	0.00	0.00	0	0	N.D.	N.D.
12) L4 Aroclor 1260 {5}	11.54	0.00	2889104	0	10.030	N.D. #
13) L4 Aroclor 1260 - T	0.00	0.00	12136111	807030	14.660m	1.899m#

no aroclor pattern

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

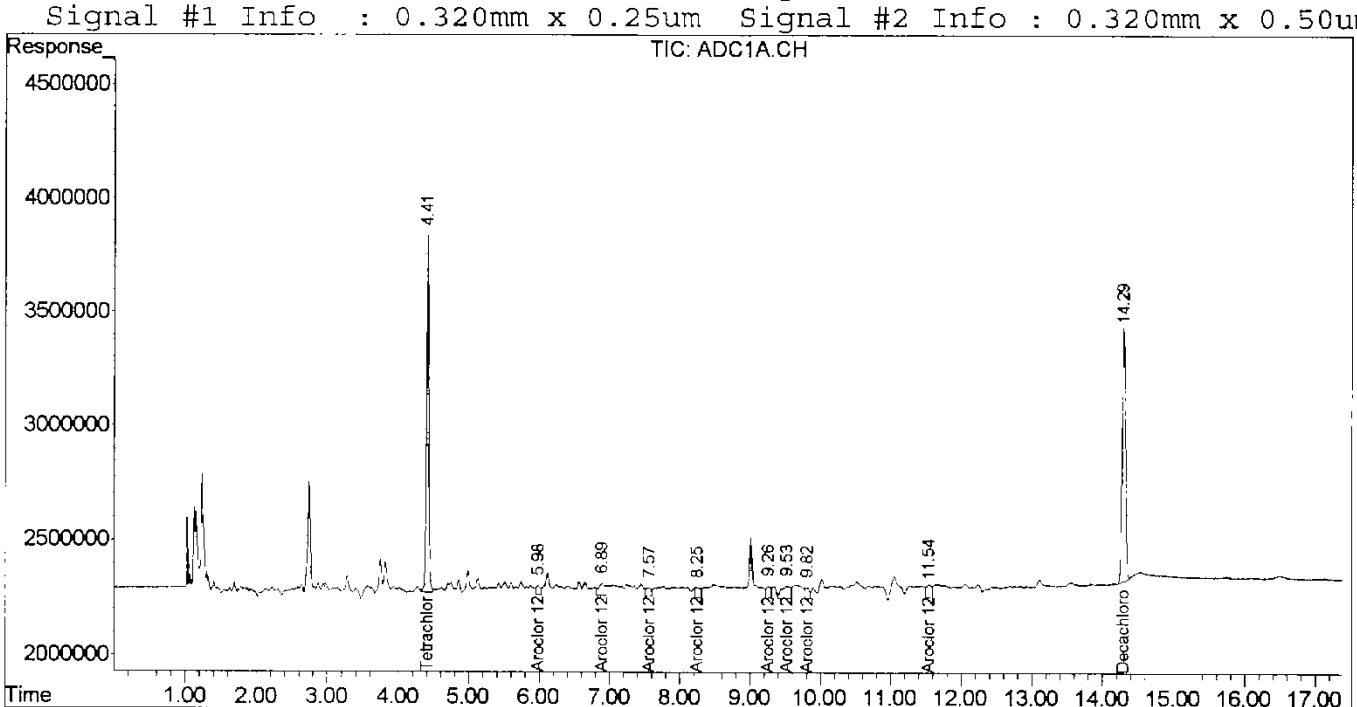
013009

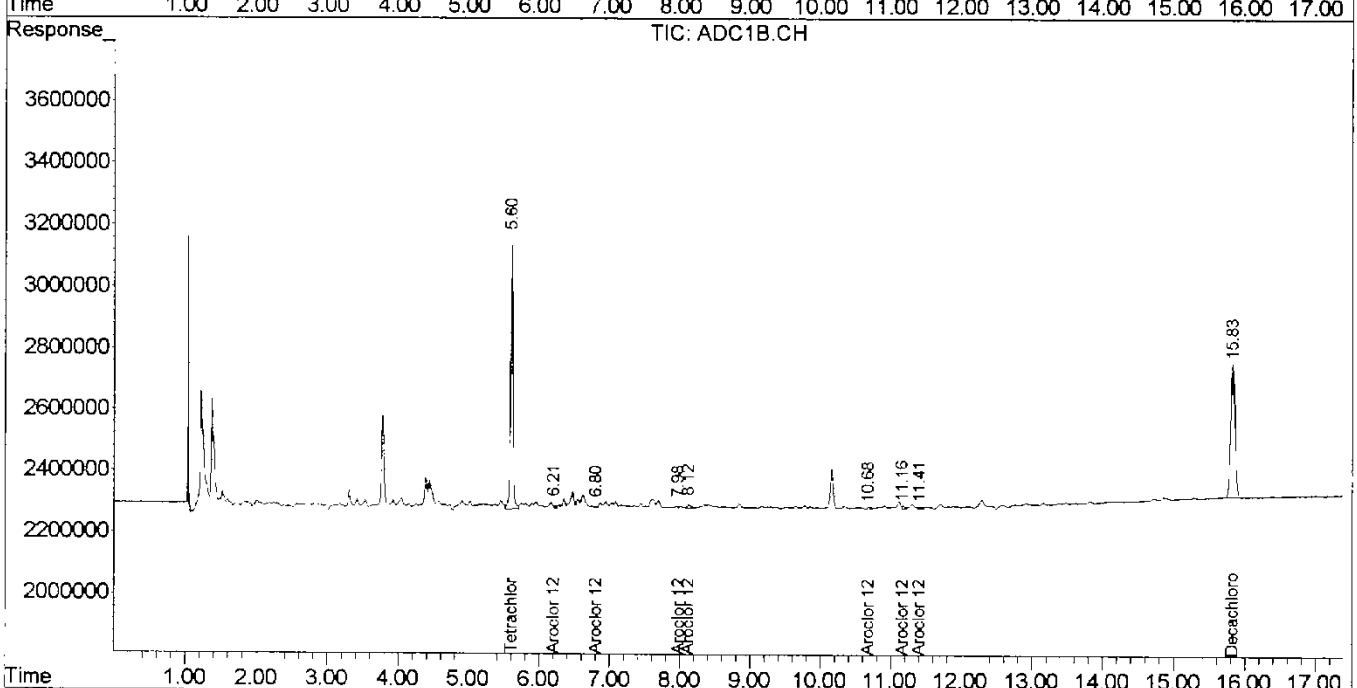
Quantitation Report (Not Reviewed)

Signal #1 : Z:\DATA\030105_A\PCB4412.D\ADC1A.CH Vial: 19
Signal #2 : Z:\DATA\030105_A\PCB4412.D\ADC1B.CH
Acq On : 1 Mar 2005 10:34 pm Operator: STM
Sample : 126377-2 &10 Inst : Dual Colu
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Mar 2 9:41 2005 Quant Results File: 42600217.RES

Quant Method : Z:\METHODS\42600217.M (Chemstation Integrator)
Title : PCBs by USEPA Method 8082
Last Update : Fri Feb 18 12:52:28 2005
Response via : Multiple Level Calibration
DataAcq Meth : PCB_RUN.M

Volume Inj. : 1.5ul
Signal #1 Phase : DB-35MS Signal #2 Phase: DB-XLB
Signal #1 Info : 0.320mm x 0.25um Signal #2 Info : 0.320mm x 0.50um





Quantitation Report (Not Reviewed)

Signal #1 : Z:\DATA\030105_A\PCB4413.D\ADC1A.CH Vial: 20
Signal #2 : Z:\DATA\030105_A\PCB4413.D\ADC1B.CH
Acq On : 1 Mar 2005 10:54 pm Operator: STM
Sample : 126377-3 &10 Inst : Dual Colu
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Mar 02 09:41:55 2005 Quant Results File: 42600217.RES

Quant Method : Z:\METHODS\42600217.M (Chemstation Integrator)
Title : PCBs by USEPA Method 8082
Last Update : Fri Feb 18 12:52:28 2005
Response via : Initial Calibration
DataAcq Meth : PCB_RUN.M

Volume Inj. : 1.5ul
Signal #1 Phase : DB-35MS Signal #2 Phase: DB-XLB
Signal #1 Info : 0.320mm x 0.25um Signal #2 Info : 0.320mm x 0.50um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) S Tetrachloro-m-xy	4.40	5.60	37667721	22735920	16.126	15.815
Spiked Amount 20.000			Recovery	=	80.63%	79.07%
14) S Decachlorobiphen	14.29	15.82	35522229	19036367	17.890	18.753
Spiked Amount 20.000			Recovery	=	89.45%	93.77%
Target Compounds						
2) L3 Aroclor 1242	5.98	6.20	798101	242917	13.888	9.765
3) L3 Aroclor 1242 {2}	6.88	0.00	3493419	0	58.175	N.D. #
4) L3 Aroclor 1242 {3}	7.55	7.99	1187418	356807	29.681	11.029 #
5) L3 Aroclor 1242 {4}	0.00	8.12	0	579116	N.D.	32.129 #
6) L3 Aroclor 1242 {5}	8.23	0.00	2806075	0	38.365	N.D. #
7) L3 Aroclor 1242 - T	0.00	0.00	8285013	1178840	30.264m	9.763m#
8) L4 Aroclor 1260	9.25	10.67	2300053	184024	20.895	3.577 #
9) L4 Aroclor 1260 {2}	9.52	11.16	1810946	256237	17.961	2.823 #
10) L4 Aroclor 1260 {3}	9.83	11.41	2718780	93682	13.352	1.583 #
11) L4 Aroclor 1260 {4}	0.00	12.90	0	920068	N.D.	6.527 #
12) L4 Aroclor 1260 {5}	11.53	0.00	2274492	0	7.896	N.D. #
13) L4 Aroclor 1260 - T	0.00	0.00	9104271	1454011	10.997m	3.421m#

no extraction petition

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

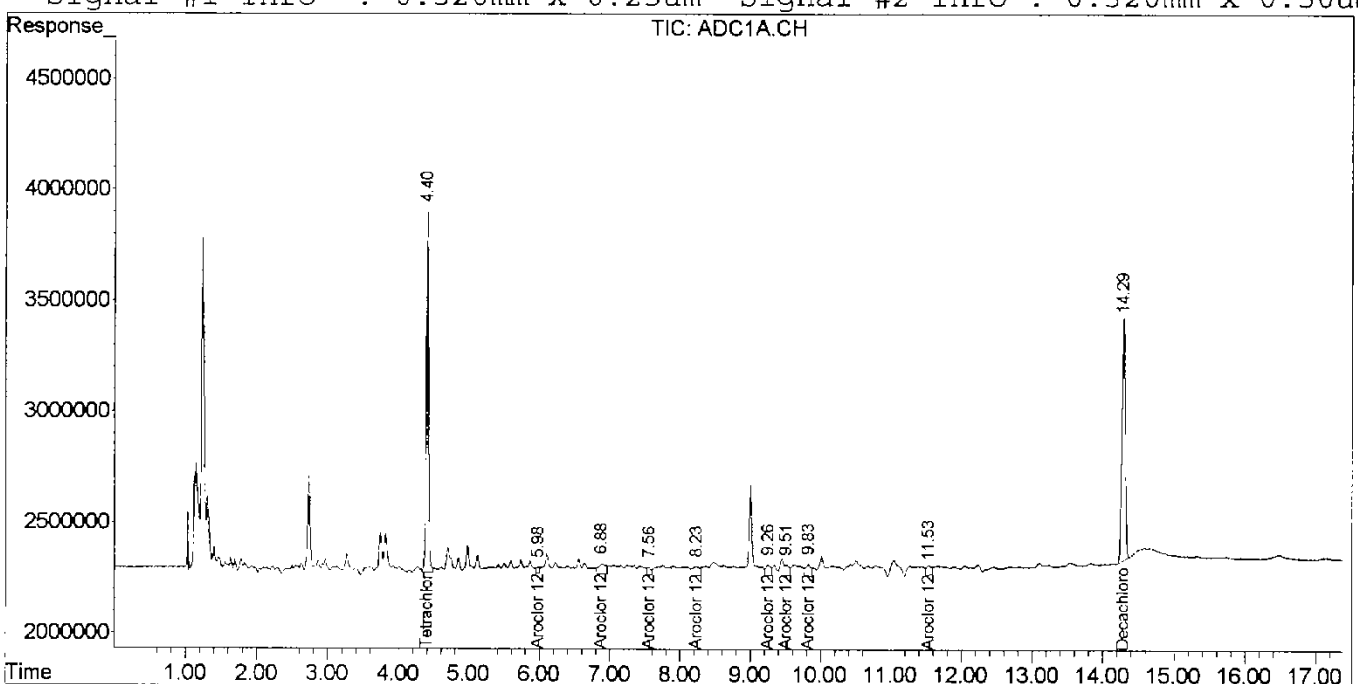
01311

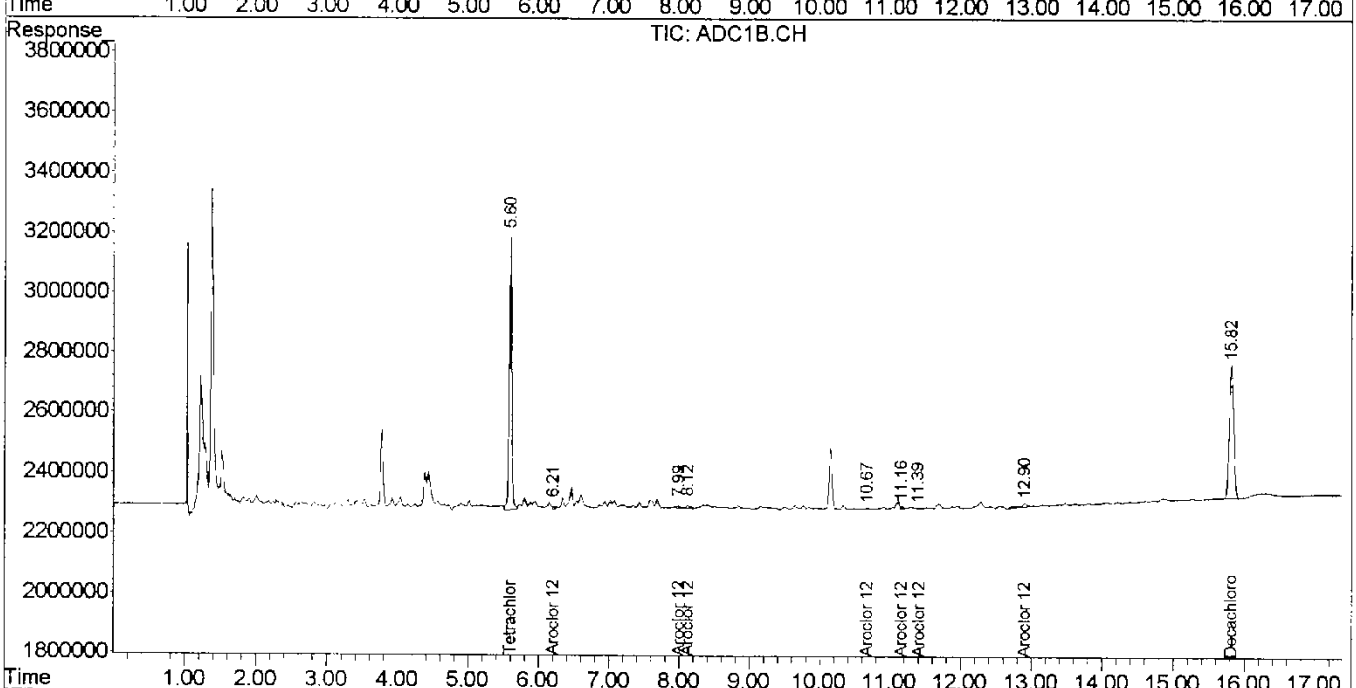
Quantitation Report (Not Reviewed)

Signal #1 : Z:\DATA\030105_A\PCB4413.D\ADC1A.CH Vial: 20
Signal #2 : Z:\DATA\030105_A\PCB4413.D\ADC1B.CH
Acq On : 1 Mar 2005 10:54 pm Operator: STM
Sample : 126377-3 &10 Inst : Dual Colu
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Mar 2 9:41 2005 Quant Results File: 42600217.RES

Quant Method : Z:\METHODS\42600217.M (Chemstation Integrator)
Title : PCBs by USEPA Method 8082
Last Update : Fri Feb 18 12:52:28 2005
Response via : Multiple Level Calibration
DataAcq Meth : PCB_RUN.M

Volume Inj. : 1.5ul
Signal #1 Phase : DB-35MS Signal #2 Phase: DB-XLB
Signal #1 Info : 0.320mm x 0.25um Signal #2 Info : 0.320mm x 0.50um





01312

Quantitation Report (Not Reviewed)

Signal #1 : Z:\DATA\030105_A\PCB4414.D\ADC1A.CH Vial: 21
Signal #2 : Z:\DATA\030105_A\PCB4414.D\ADC1B.CH
Acq On : 1 Mar 2005 11:14 pm Operator: STM
Sample : 126377-4 &10 Inst : Dual Colu
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Mar 02 09:42:00 2005 Quant Results File: 42600217.RES

Quant Method : Z:\METHODS\42600217.M (Chemstation Integrator)
Title : PCBs by USEPA Method 8082
Last Update : Fri Feb 18 12:52:28 2005
Response via : Initial Calibration
DataAcq Meth : PCB_RUN.M

Volume Inj. : 1.5ul
Signal #1 Phase : DB-35MS Signal #2 Phase: DB-XLB
Signal #1 Info : 0.320mm x 0.25um Signal #2 Info : 0.320mm x 0.50um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) S Tetrachloro-m-xy	4.41	5.61	36184255	22327288	15.491	15.530
Spiked Amount 20.000			Recovery	=	77.45%	77.65%
14) S Decachlorobiphen	14.30	15.83	34278645	18862308	17.264	18.581
Spiked Amount 20.000			Recovery	=	86.32%	92.90%
Target Compounds						
2) L3 Aroclor 1242	0.00	6.20	0	233397	N.D.	9.382 #
3) L3 Aroclor 1242 {2}	6.89	0.00	2811336	0	46.816	N.D. #
4) L3 Aroclor 1242 {3}	7.58	8.00	800919	490784	20.020	15.170
5) L3 Aroclor 1242 {4}	7.85	8.13	507388	515628	11.775	28.607 #
6) L3 Aroclor 1242 {5}	8.24	8.52	1971824	103724	26.959	4.435 #
7) L3 Aroclor 1242 - T	0.00	0.00	6091467	1343533	22.251m	11.127m#
8) L4 Aroclor 1260	9.26	10.68	1995614	178582	18.130	3.472 #
9) L4 Aroclor 1260 {2}	9.53	11.17	3450919	211784	34.226	2.333 #
10) L4 Aroclor 1260 {3}	9.83	11.41	2718719	115739	13.352	1.955 #
11) L4 Aroclor 1260 {4}	0.00	12.92	0	1099619	N.D.	7.801 #
12) L4 Aroclor 1260 {5}	11.54	0.00	1875419	0	6.511	N.D. #
13) L4 Aroclor 1260 - T	0.00	0.00	10040671	1605725	12.128m	3.778m#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

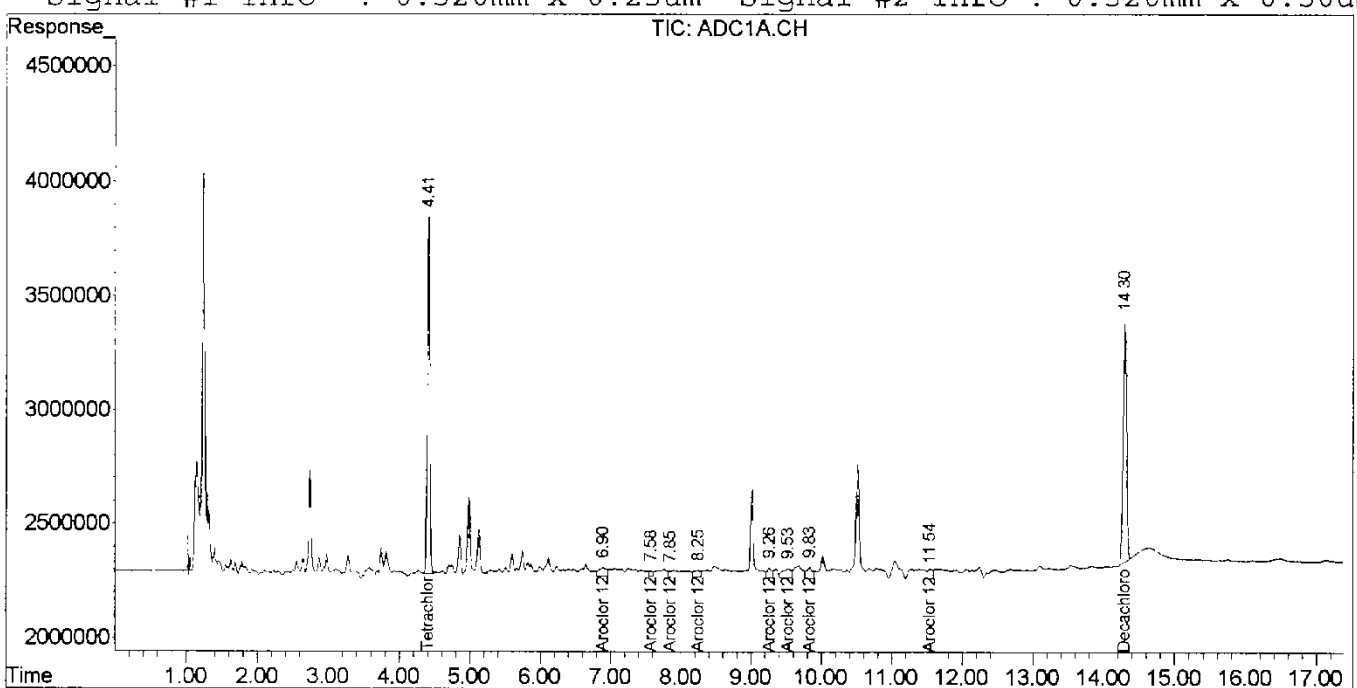
01313

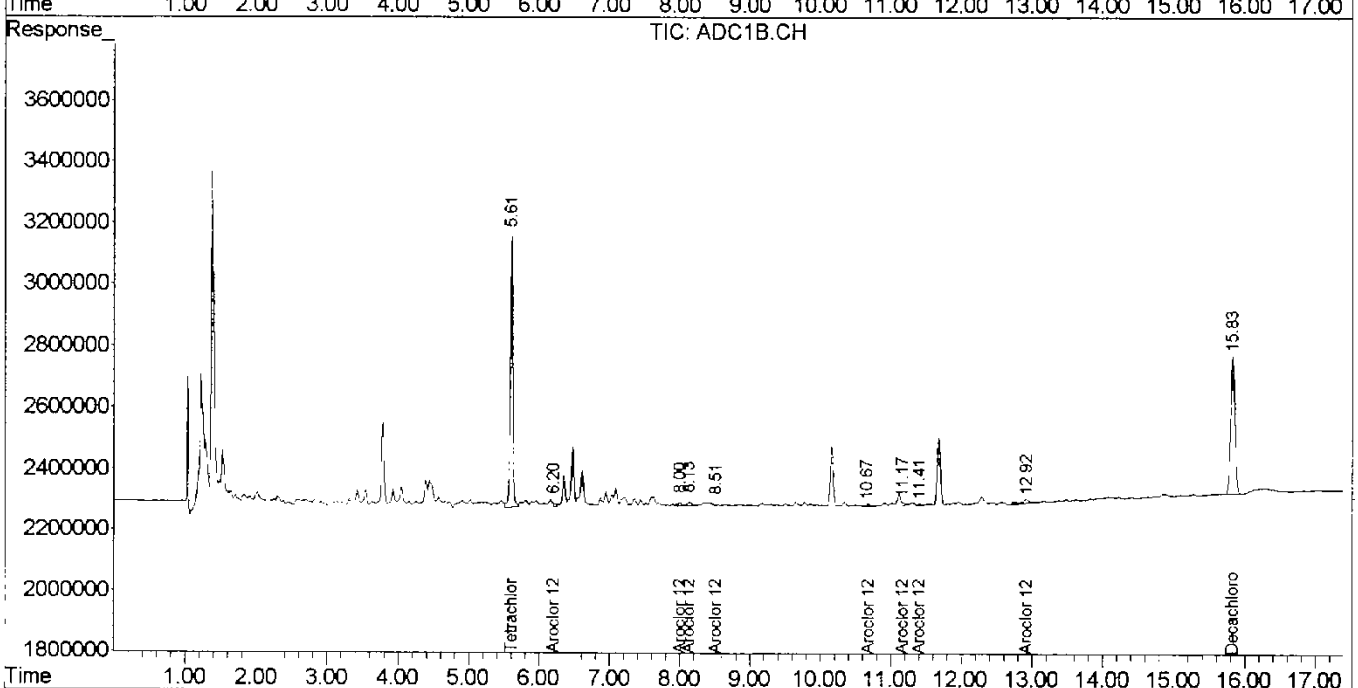
Quantitation Report (Not Reviewed)

Signal #1 : Z:\DATA\030105_A\PCB4414.D\ADC1A.CH Vial: 21
Signal #2 : Z:\DATA\030105_A\PCB4414.D\ADC1B.CH
Acq On : 1 Mar 2005 11:14 pm Operator: STM
Sample : 126377-4 &10 Inst : Dual Colu
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Mar 2 9:42 2005 Quant Results File: 42600217.RES

Quant Method : Z:\METHODS\42600217.M (Chemstation Integrator)
Title : PCBs by USEPA Method 8082
Last Update : Fri Feb 18 12:52:28 2005
Response via : Multiple Level Calibration
DataAcq Meth : PCB_RUN.M

Volume Inj. : 1.5ul
Signal #1 Phase : DB-35MS Signal #2 Phase: DB-XLB
Signal #1 Info : 0.320mm x 0.25um Signal #2 Info : 0.320mm x 0.50um





Quantitation Report (Not Reviewed)

Signal #1 : Z:\DATA\030105_A\PCB4422.D\ADC1A.CH Vial: 29
Signal #2 : Z:\DATA\030105_A\PCB4422.D\ADC1B.CH
Acq On : 2 Mar 2005 1:53 am Operator: STM
Sample : 126377-5 &10 Inst : Dual Colu
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Mar 02 09:42:47 2005 Quant Results File: 42600217.RES

Quant Method : Z:\METHODS\42600217.M (Chemstation Integrator)
Title : PCBs by USEPA Method 8082
Last Update : Fri Feb 18 12:52:28 2005
Response via : Initial Calibration
DataAcq Meth : PCB_RUN.M

Volume Inj. : 1.5ul
Signal #1 Phase : DB-35MS Signal #2 Phase: DB-XLB
Signal #1 Info : 0.320mm x 0.25um Signal #2 Info : 0.320mm x 0.50um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) S Tetrachloro-m-xy	4.41	5.61	38217566	22665539	16.361	15.766
Spiked Amount 20.000			Recovery	=	81.81%	78.83%
14) S Decachlorobiphen	14.30	15.83	40190656	19237041	20.241	18.950
Spiked Amount 20.000			Recovery	=	101.20%	94.75%
Target Compounds						
2) L3 Aroclor 1242	0.00	6.17	0	437644	N.D.	17.593 #
3) L3 Aroclor 1242 {2}	0.00	6.82	0	25145	N.D.	1.137 #
4) L3 Aroclor 1242 {3}	7.58	8.00	1890259	806910	47.249	24.942 #
5) L3 Aroclor 1242 {4}	0.00	8.14	0	776403	N.D.	43.074 #
6) L3 Aroclor 1242 {5}	8.25	8.52	3471527	111902	47.463	4.785 #
7) L3 Aroclor 1242 - T	0.00	0.00	5361786	2158005	19.586m	17.872m
8) L4 Aroclor 1260	9.26	10.68	3565476	256498	32.391	4.986 #
9) L4 Aroclor 1260 {2}	0.00	11.18	0	370587	N.D.	4.083 #
10) L4 Aroclor 1260 {3}	9.84	11.42	2965716	195083	14.565	3.296 #
11) L4 Aroclor 1260 {4}	0.00	12.92	0	1121363	N.D.	7.956 #
12) L4 Aroclor 1260 {5}	11.55	0.00	2843353	0	9.871	N.D. #
13) L4 Aroclor 1260 - T	0.00	0.00	9374546	1943532	11.324m	4.573m#

nochlorotetrachloro

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

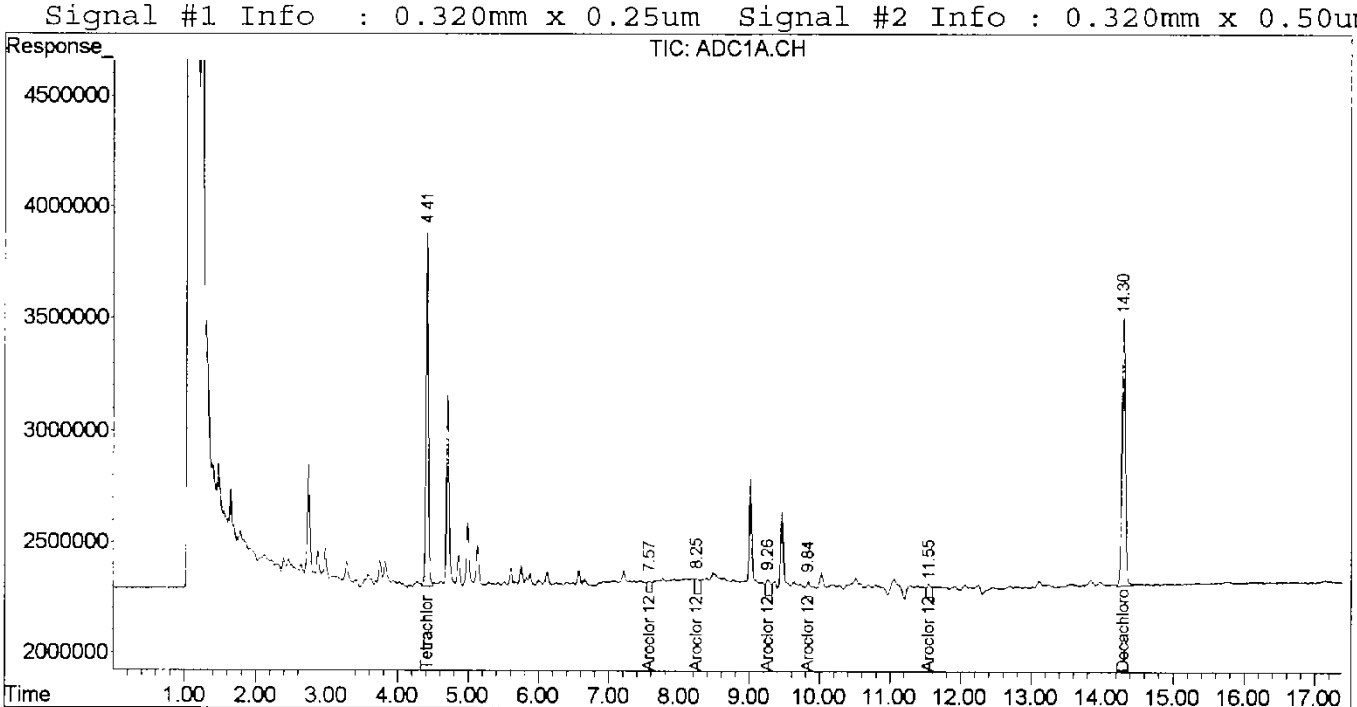
01315

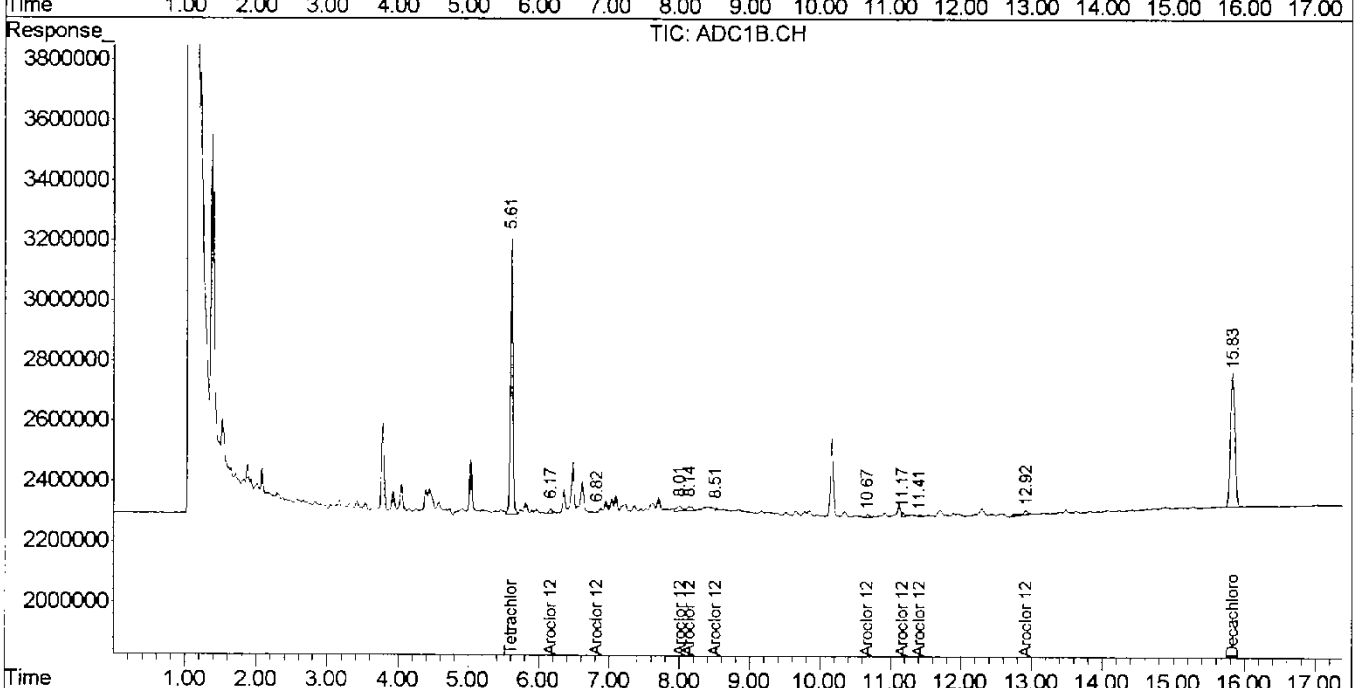
Quantitation Report (Not Reviewed)

Signal #1 : Z:\DATA\030105_A\PCB4422.D\ADC1A.CH Vial: 29
Signal #2 : Z:\DATA\030105_A\PCB4422.D\ADC1B.CH
Acq On : 2 Mar 2005 1:53 am Operator: STM
Sample : 126377-5 &10 Inst : Dual Colu
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Mar 2 9:42 2005 Quant Results File: 42600217.RES

Quant Method : Z:\METHODS\42600217.M (Chemstation Integrator)
Title : PCBs by USEPA Method 8082
Last Update : Fri Feb 18 12:52:28 2005
Response via : Multiple Level Calibration
DataAcq Meth : PCB_RUN.M

Volume Inj. : 1.5ul
Signal #1 Phase : DB-35MS Signal #2 Phase: DB-XLB
Signal #1 Info : 0.320mm x 0.25um Signal #2 Info : 0.320mm x 0.50um





013116

Quantitation Report (Not Reviewed)

Signal #1 : Z:\DATA\030105_A\PCB4415.D\ADC1A.CH Vial: 22
Signal #2 : Z:\DATA\030105_A\PCB4415.D\ADC1B.CH
Acq On : 1 Mar 2005 11:33 pm Operator: STM
Sample : 126377-6 &10 Inst : Dual Colu
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Mar 02 09:42:05 2005 Quant Results File: 42600217.RES

Quant Method : Z:\METHODS\42600217.M (Chemstation Integrator)
Title : PCBs by USEPA Method 8082
Last Update : Fri Feb 18 12:52:28 2005
Response via : Initial Calibration
DataAcq Meth : PCB_RUN.M

Volume Inj. : 1.5ul
Signal #1 Phase : DB-35MS Signal #2 Phase: DB-XLB
Signal #1 Info : 0.320mm x 0.25um Signal #2 Info : 0.320mm x 0.50um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) S Tetrachloro-m-xy	4.40	5.60	37168808	22806466	15.912	15.864
Spiked Amount 20.000			Recovery	=	79.56%	79.32%
14) S Decachlorobiphen	14.29	15.82	36794038	19928757	18.531	19.632
Spiked Amount 20.000			Recovery	=	92.66%	98.16%
Target Compounds						
2) L3 Aroclor 1242	5.97	6.20	363125	194862	6.319	7.833
3) L3 Aroclor 1242 {2}	6.88	0.00	1588189	0	26.448	N.D. #
4) L3 Aroclor 1242 {3}	7.55	7.93	171771	77751	4.294	2.403 #
5) L3 Aroclor 1242 {4}	0.00	8.12	0	154496	N.D.	8.571 #
6) L3 Aroclor 1242 {5}	0.00	0.00	0	0	N.D.	N.D.
7) L3 Aroclor 1242 - T	0.00	0.00	2123085	427109	7.755m	3.537m#
8) L4 Aroclor 1260	9.27	0.00	350062	0	3.180	N.D. #
9) L4 Aroclor 1260 {2}	9.54	0.00	369822	0	3.668	N.D. #
10) L4 Aroclor 1260 {3}	9.85	0.00	174542	0	0.857	N.D. #
11) L4 Aroclor 1260 {4}	11.15	0.00	100861	0	0.805	N.D. #
12) L4 Aroclor 1260 {5}	0.00	0.00	0	0	N.D.	N.D.
13) L4 Aroclor 1260 - T	0.00	0.00	995286	0	1.202m	N.D. m#

no aroclor pattern

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

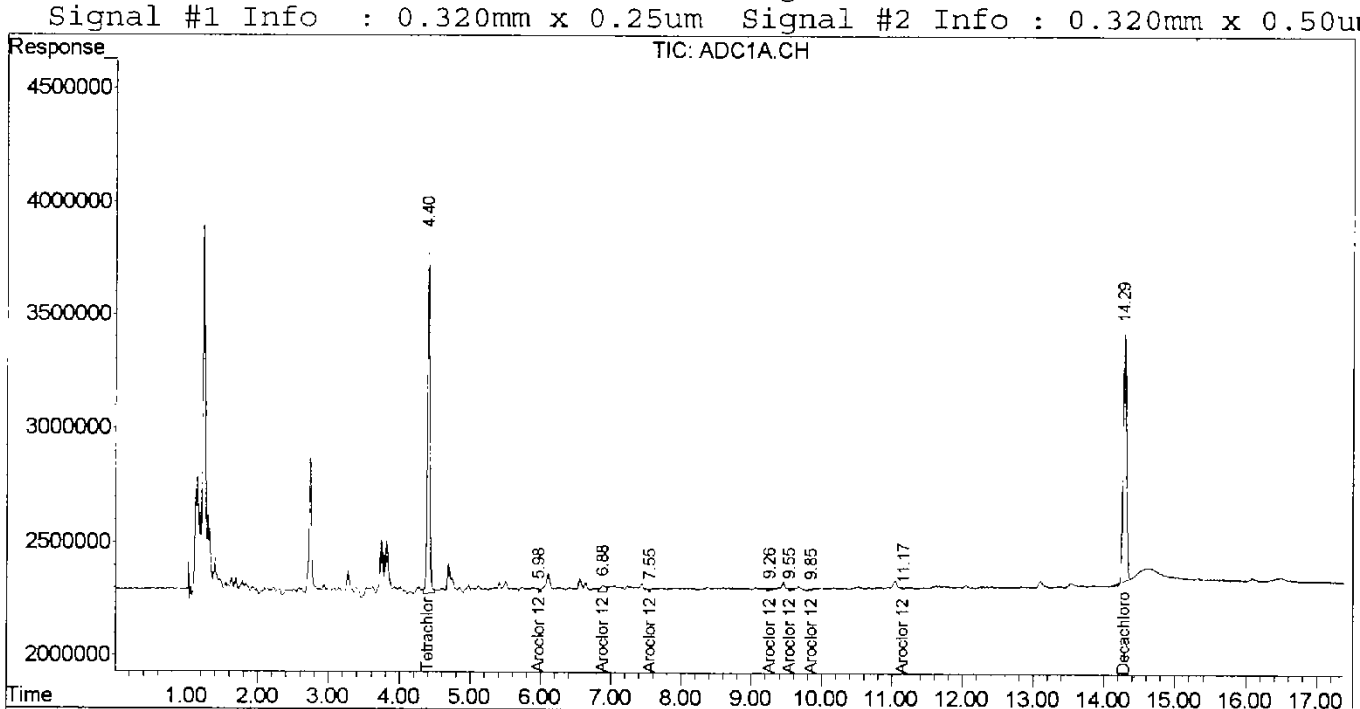
01317

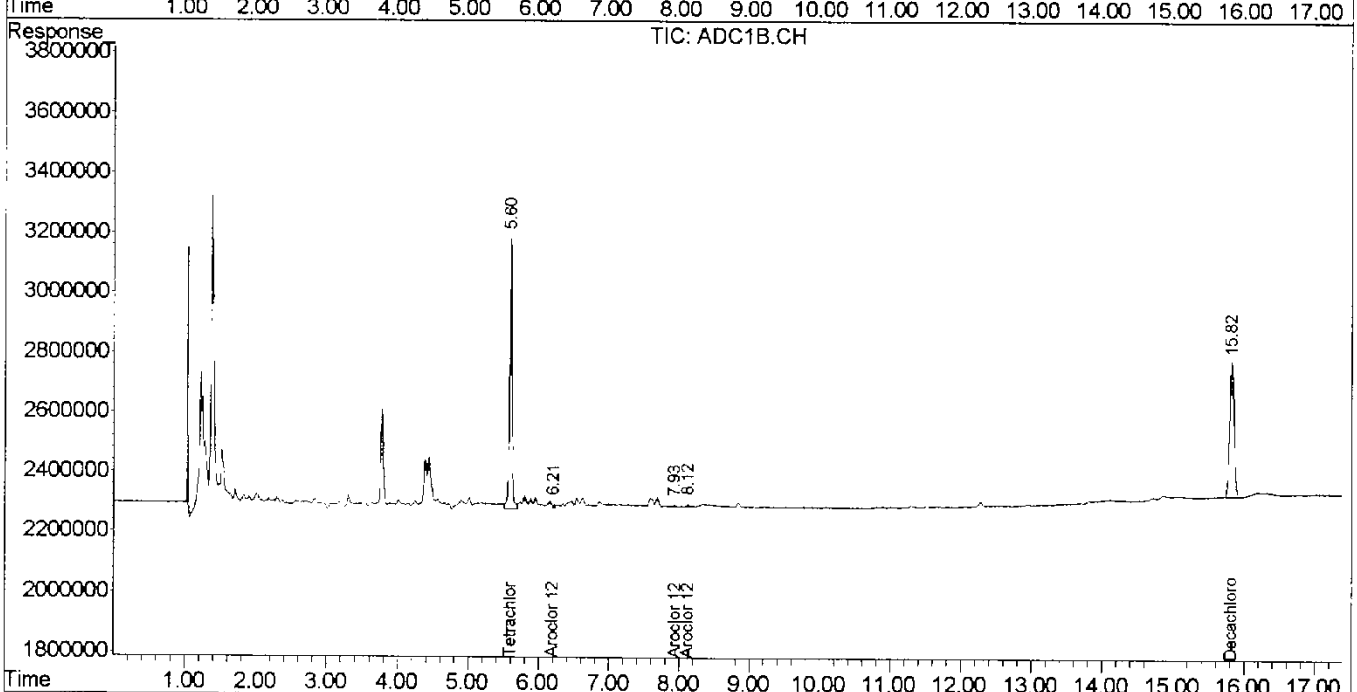
Quantitation Report (Not Reviewed)

Signal #1 : Z:\DATA\030105_A\PCB4415.D\ADC1A.CH Vial: 22
Signal #2 : Z:\DATA\030105_A\PCB4415.D\ADC1B.CH
Acq On : 1 Mar 2005 11:33 pm Operator: STM
Sample : 126377-6 &10 Inst : Dual Colu
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Mar 2 9:42 2005 Quant Results File: 42600217.RES

Quant Method : Z:\METHODS\42600217.M (Chemstation Integrator)
Title : PCBs by USEPA Method 8082
Last Update : Fri Feb 18 12:52:28 2005
Response via : Multiple Level Calibration
DataAcq Meth : PCB_RUN.M

Volume Inj. : 1.5ul
Signal #1 Phase : DB-35MS Signal #2 Phase: DB-XLB
Signal #1 Info : 0.320mm x 0.25um Signal #2 Info : 0.320mm x 0.50um





01318

Quantitation Report (Not Reviewed)

Signal #1 : Z:\DATA\030105_A\PCB4423.D\ADC1A.CH Vial: 30
Signal #2 : Z:\DATA\030105_A\PCB4423.D\ADC1B.CH
Acq On : 2 Mar 2005 2:14 am Operator: STM
Sample : 126377-7 &10 Inst : Dual Colu
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Mar 02 09:42:51 2005 Quant Results File: 42600217.RES

Quant Method : Z:\METHODS\42600217.M (Chemstation Integrator)
Title : PCBs by USEPA Method 8082
Last Update : Fri Feb 18 12:52:28 2005
Response via : Initial Calibration
DataAcq Meth : PCB_RUN.M

Volume Inj. : 1.5ul
Signal #1 Phase : DB-35MS Signal #2 Phase: DB-XLB
Signal #1 Info : 0.320mm x 0.25um Signal #2 Info : 0.320mm x 0.50um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) S Tetrachloro-m-xy	4.41	5.60	38624338	21630763	16.535	15.046
Spiked Amount 20.000			Recovery	=	82.67%	75.23%
14) S Decachlorobiphen	14.29	15.82	37631491	19014285	18.952	18.731
Spiked Amount 20.000			Recovery	=	94.76%	93.66%
Target Compounds						
2) L3 Aroclor 1242	5.98	6.20	1022945	46182	17.801	1.856 #
3) L3 Aroclor 1242 {2}	6.88	6.81	6315052	26033	105.163	1.177 #
4) L3 Aroclor 1242 {3}	7.56	7.99	1589532	293411	39.732	9.070 #
5) L3 Aroclor 1242 {4}	7.83	8.17	1274986	128552	29.589	7.132 #
6) L3 Aroclor 1242 {5}	8.24	8.51	3764143	239095	51.463	10.223 #
7) L3 Aroclor 1242 - T	0.00	0.00	13966658	733273	51.019m	6.073m#
8) L4 Aroclor 1260	9.25	10.67	3685101	105883	33.478	2.058 #
9) L4 Aroclor 1260 {2}	9.52	11.17	7483360	208748	74.219	2.300 #
10) L4 Aroclor 1260 {3}	9.83	11.41	5523920	181875	27.129	3.073 #
11) L4 Aroclor 1260 {4}	0.00	0.00	0	0	N.D.	N.D.
12) L4 Aroclor 1260 {5}	11.53	0.00	4221440	0	14.656	N.D. #
13) L4 Aroclor 1260 - T	0.00	0.00	20913822	496506	25.262m	1.168m#

no chlorin pattern

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

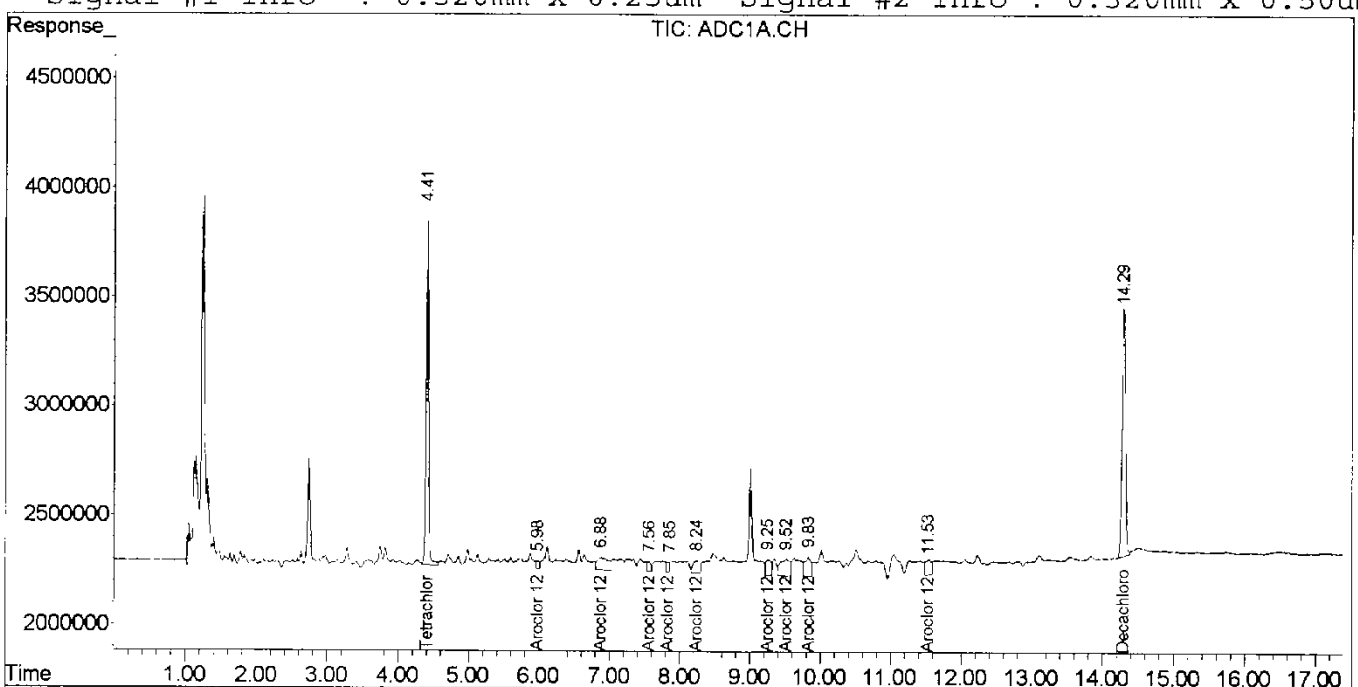
01319

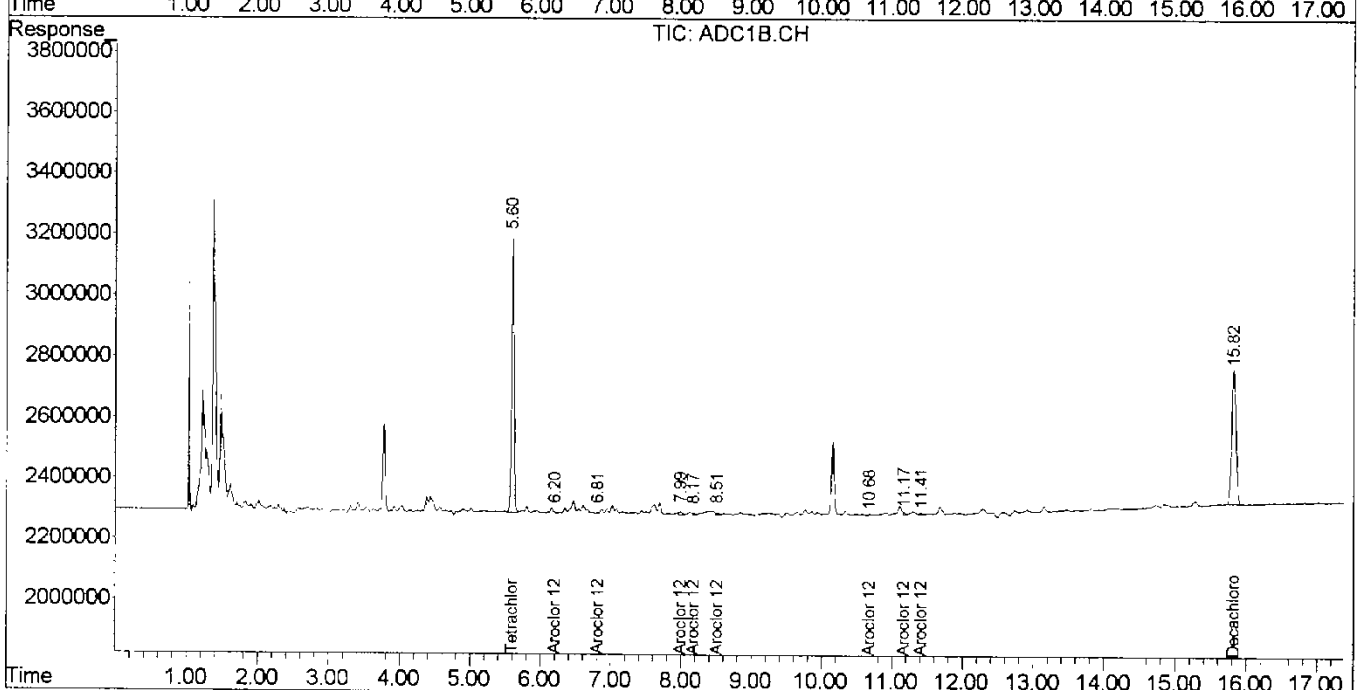
Quantitation Report (Not Reviewed)

Signal #1 : Z:\DATA\030105_A\PCB4423.D\ADC1A.CH Vial: 30
Signal #2 : Z:\DATA\030105_A\PCB4423.D\ADC1B.CH
Acq On : 2 Mar 2005 2:14 am Operator: STM
Sample : 126377-7 &10 Inst : Dual Colu
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Mar 2 9:42 2005 Quant Results File: 42600217.RES

Quant Method : Z:\METHODS\42600217.M (Chemstation Integrator)
Title : PCBs by USEPA Method 8082
Last Update : Fri Feb 18 12:52:28 2005
Response via : Multiple Level Calibration
DataAcq Meth : PCB_RUN.M

Volume Inj. : 1.5ul
Signal #1 Phase : DB-35MS Signal #2 Phase: DB-XLB
Signal #1 Info : 0.320mm x 0.25um Signal #2 Info : 0.320mm x 0.50um





01320

Quantitation Report (Not Reviewed)

Signal #1 : Z:\DATA\030105_A\PCB4424.D\ADC1A.CH Vial: 31
Signal #2 : Z:\DATA\030105_A\PCB4424.D\ADC1B.CH
Acq On : 2 Mar 2005 2:33 am Operator: STM
Sample : 126377-8 &10 Inst : Dual Colu
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Mar 02 09:43:30 2005 Quant Results File: 42600217.RES

Quant Method : Z:\METHODS\42600217.M (Chemstation Integrator)
Title : PCBs by USEPA Method 8082
Last Update : Fri Feb 18 12:52:28 2005
Response via : Initial Calibration
DataAcq Meth : PCB_RUN.M

Volume Inj. : 1.5ul
Signal #1 Phase : DB-35MS Signal #2 Phase: DB-XLB
Signal #1 Info : 0.320mm x 0.25um Signal #2 Info : 0.320mm x 0.50um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) S Tetrachloro-m-xy	4.41	5.60	34396967	20798552	14.726	14.467
Spiked Amount 20.000			Recovery	=	73.63%	72.34%
14) S Decachlorobiphen	14.29	15.83	32291401	17731306	16.263	17.467
Spiked Amount 20.000			Recovery	=	81.31%	87.33%
Target Compounds						
2) L3 Aroclor 1242	0.00	6.21	0	164357	N.D.	6.607 #
3) L3 Aroclor 1242 {2}	6.88	0.00	5902695	0	98.296	N.D. #
4) L3 Aroclor 1242 {3}	7.57	7.96	2105923	40912	52.640	1.265 #
5) L3 Aroclor 1242 {4}	0.00	8.12	0	572326	N.D.	31.752 #
6) L3 Aroclor 1242 {5}	8.24	8.51	3023080	143298	41.332	6.127 #
7) L3 Aroclor 1242 - T	0.00	0.00	11031698	920893	40.298m	7.626m#
8) L4 Aroclor 1260	9.26	10.68	4027621	237188	36.590	4.611 #
9) L4 Aroclor 1260 {2}	9.52	11.11	8339025	1851260	82.705	20.396 #
10) L4 Aroclor 1260 {3}	9.84	11.41	6388927	237591	31.377	4.014 #
11) L4 Aroclor 1260 {4}	0.00	0.00	0	0	N.D.	N.D.
12) L4 Aroclor 1260 {5}	11.54	0.00	4250852	0	14.758	N.D. #
13) L4 Aroclor 1260 - T	0.00	0.00	23006424	2326040	27.790m	5.473m#

no chloro pattern

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

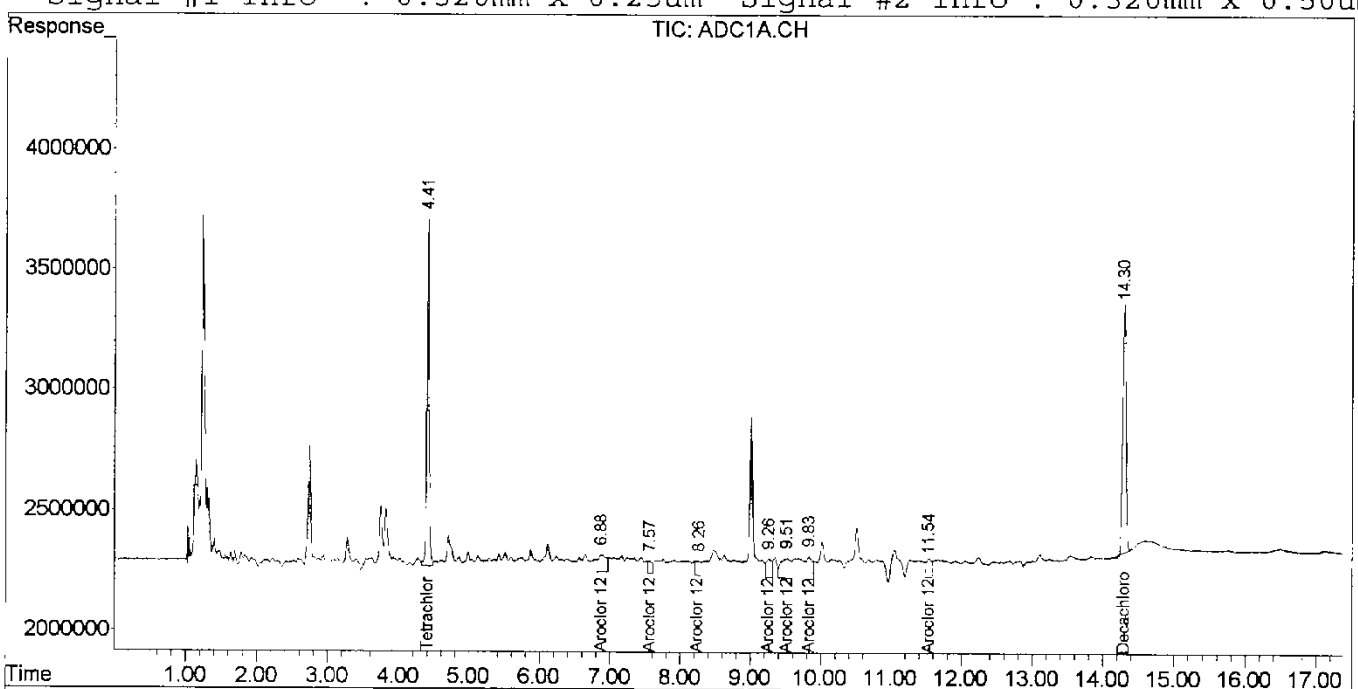
01321

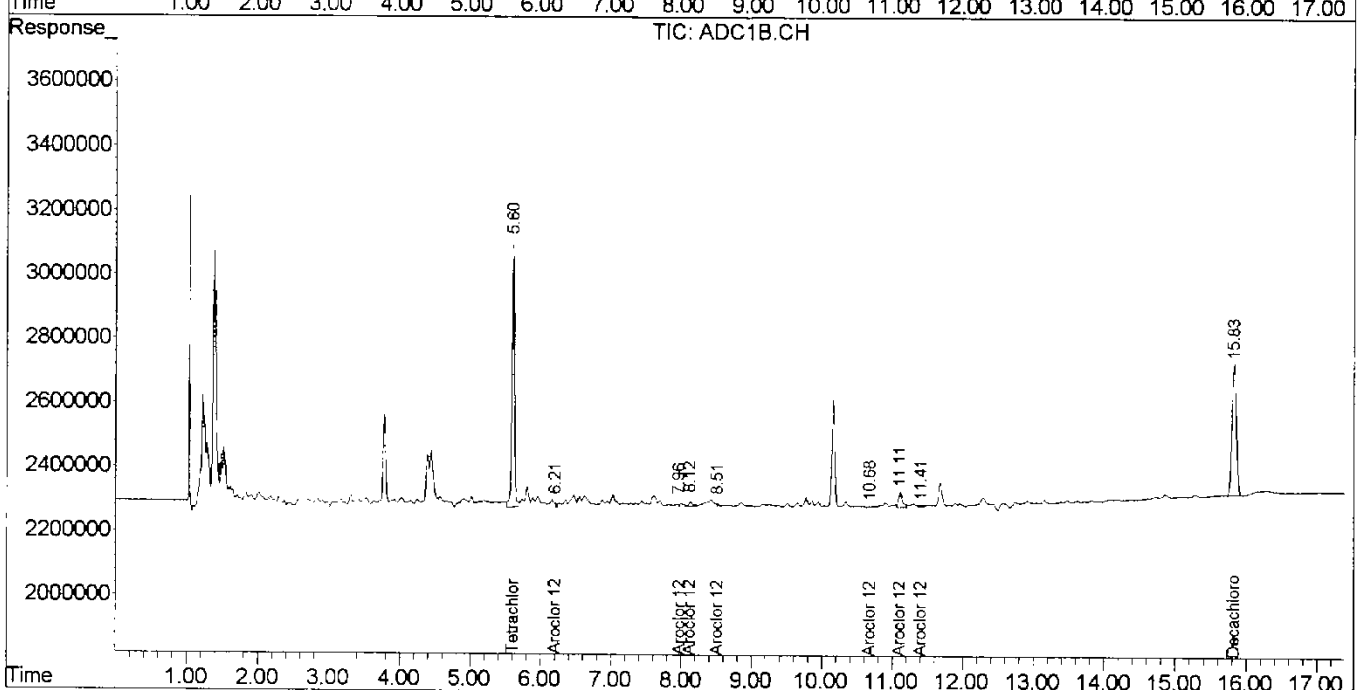
Quantitation Report (Not Reviewed)

Signal #1 : Z:\DATA\030105_A\PCB4424.D\ADC1A.CH Vial: 31
Signal #2 : Z:\DATA\030105_A\PCB4424.D\ADC1B.CH
Acq On : 2 Mar 2005 2:33 am Operator: STM
Sample : 126377-8 &10 Inst : Dual Colu
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Mar 2 9:43 2005 Quant Results File: 42600217.RES

Quant Method : Z:\METHODS\42600217.M (Chemstation Integrator)
Title : PCBs by USEPA Method 8082
Last Update : Fri Feb 18 12:52:28 2005
Response via : Multiple Level Calibration
DataAcq Meth : PCB_RUN.M

Volume Inj. : 1.5ul
Signal #1 Phase : DB-35MS Signal #2 Phase: DB-XLB
Signal #1 Info : 0.320mm x 0.25um Signal #2 Info : 0.320mm x 0.50um





01322

INITIAL CALIBRATION

Response Factor Report Dual Colu

Method : Z:\METHODS\42600217.M (Chemstation Integrator)
Title : PCBs by USEPA Method 8082
Last Update : Fri Feb 18 12:52:28 2005

Calibration Files
10 =PCB4128.D 50 =PCB4129.D 100 =PCB4130.D
250 =PCB4131.D 500 =PCB4132.D

		Compound	10	50	100	250	500	Avg		%RSD
1)	S	Tetrachloro-m-xylene	2.509	2.411	2.149	2.112	2.499	2.336	E6	8.21
2)	L1	Aroclor 1242	7.166	6.137	5.265	4.997	5.169	5.747	E4	15.80
3)	L1	Aroclor 1242 {2}	6.882	6.691	5.645	5.291	5.517	6.005	E4	12.11
4)	L1	Aroclor 1242 {3}	4.614	4.331	3.772	3.586	3.701	4.001	E4	11.17
5)	L1	Aroclor 1242 {4}	5.683	4.457	3.876	3.674	3.855	4.309	E4	19.09
6)	L1	Aroclor 1242 {5}	9.054	7.595	6.776	6.418	6.728	7.314	E4	14.57
7)	L1	Aroclor 1242 - Total	3.340	2.921	2.533	2.396	2.497	2.738	E5	14.29
8)	L2	Aroclor 1260	1.411	1.144	1.014	0.947	0.987	1.101	E5	17.13
9)	L2	Aroclor 1260 {2}	1.245	1.047	0.939	0.881	0.929	1.008	E5	14.44
10)	L2	Aroclor 1260 {3}	2.517	2.093	1.870	1.759	1.942	2.036	E5	14.48
11)	L2	Aroclor 1260 {4}	1.333	1.392	1.224	1.127	1.188	1.253	E5	8.63
12)	L2	Aroclor 1260 {5}	3.443	2.988	2.636	2.496	2.838	2.880	E5	12.73
13)	L2	Aroclor 1260 - Total	9.949	8.665	7.685	7.209	7.885	8.279	E5	12.94
14)	S	Decachlorobiphenyl (S	2.470	2.120	1.811	1.710	1.817	1.986	E6	15.69

Signal #2 Calibration Files
10 =PCB4128.D 50 =PCB4129.D 100 =PCB4130.D
250 =PCB4131.D 500 =PCB4132.D

		Compound	10	50	100	250	500	Avg		%RSD
1)	S	Tetrachloro-m-xylene	1.886	1.468	1.301	1.221	1.312	1.438	E6	18.49
2)	L3	Aroclor 1242	3.009	2.684	2.263	2.234	2.248	2.488	E4	13.96
3)	L3	Aroclor 1242 {2}	2.459	2.350	2.142	2.035	2.068	2.211	E4	8.37
4)	L3	Aroclor 1242 {3}	3.637	3.755	3.184	2.797	2.802	3.235	E4	13.95
5)	L3	Aroclor 1242 {4}	2.212	1.955	1.700	1.560	1.586	1.802	E4	15.37
6)	L3	Aroclor 1242 {5}	3.078	2.425	2.185	1.991	2.016	2.339	E4	19.16
7)	L3	Aroclor 1242 - Total	1.440	1.317	1.147	1.062	1.072	1.207	E5	13.67
8)	L4	Aroclor 1260	6.092	5.564	4.969	4.531	4.564	5.144	E4	13.11
9)	L4	Aroclor 1260 {2}	1.132	0.981	0.869	0.770	0.785	0.908	E5	16.63
10)	L4	Aroclor 1260 {3}	5.670	6.532	6.257	5.618	5.517	5.919	E4	7.58
11)	L4	Aroclor 1260 {4}	1.720	1.481	1.350	1.224	1.272	1.410	E5	14.11
12)	L4	Aroclor 1260 {5}	8.582	9.286	8.224	7.535	7.711	8.267	E4	8.52
13)	L4	Aroclor 1260 - Total	4.887	4.601	4.164	3.763	3.837	4.250	E5	11.43
14)	S	Decachlorobiphenyl (S	1.256	1.103	0.964	0.875	0.878	1.015	E6	16.10

(#) = Out of Range

01324

Quantitation Report (Not Reviewed)

Signal #1 : Z:\DATA\021705_A\PCB4128.D\ADC1A.CH Vial: 1
Signal #2 : Z:\DATA\021705_A\PCB4128.D\ADC1B.CH
Acq On : 17 Feb 2005 3:49 pm Operator: STM
Sample : 10ng/ml 1242/1260 ical 561-160-4 Inst : Dual Colu
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 18 12:51:56 2005 Quant Results File: 42600217.RES

Quant Method : Z:\METHODS\42600217.M (Chemstation Integrator)
Title : PCBs by USEPA Method 8082
Last Update : Fri Feb 18 11:07:49 2005
Response via : Initial Calibration
DataAcq Meth : PCB_RUN.M

Volume Inj. : 1.5ul
Signal #1 Phase : DB-35MS Signal #2 Phase: DB-XLB
Signal #1 Info : 0.320mm x 0.25um Signal #2 Info : 0.320mm x 0.50um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) S Tetrachloro-m-xy	4.39	5.58	2508716	1885642	1.074	1.312
Spiked Amount 20.000			Recovery	=	5.37%	6.56%
14) S Decachlorobiphen	14.28	15.80	2470307	1256093	1.244	1.237
Spiked Amount 20.000			Recovery	=	6.22%	6.19%
Target Compounds						
2) L3 Aroclor 1242	5.94	6.19	716611	300884	12.470	11.611
3) L3 Aroclor 1242 {2}	6.84	6.80	688165	245936	10.459	11.123
4) L3 Aroclor 1242 {3}	7.57	7.97	461353	363746	10.596	11.244
5) L3 Aroclor 1242 {4}	7.81	8.16	568259	221169	13.188	12.270
6) L3 Aroclor 1242 {5}	8.23	8.50	905357	307781	12.378	13.160
7) L3 Aroclor 1242 - T	0.00	0.00	3339744	1439516	11.800m	11.820m
8) L4 Aroclor 1260	9.26	10.65	1411051	609220	12.819	11.843
9) L4 Aroclor 1260 {2}	9.51	11.15	1244798	1132260	12.346	12.474
10) L4 Aroclor 1260 {3}	9.82	11.38	2516750	566978	12.360	9.579
11) L4 Aroclor 1260 {4}	11.10	12.88	1333376	1719889	9.399	12.202
12) L4 Aroclor 1260 {5}	11.53	13.45	3443411	858180	11.033	10.380
13) L4 Aroclor 1260 - T	0.00	0.00	9949386	4886526	11.456m	11.497m

01325

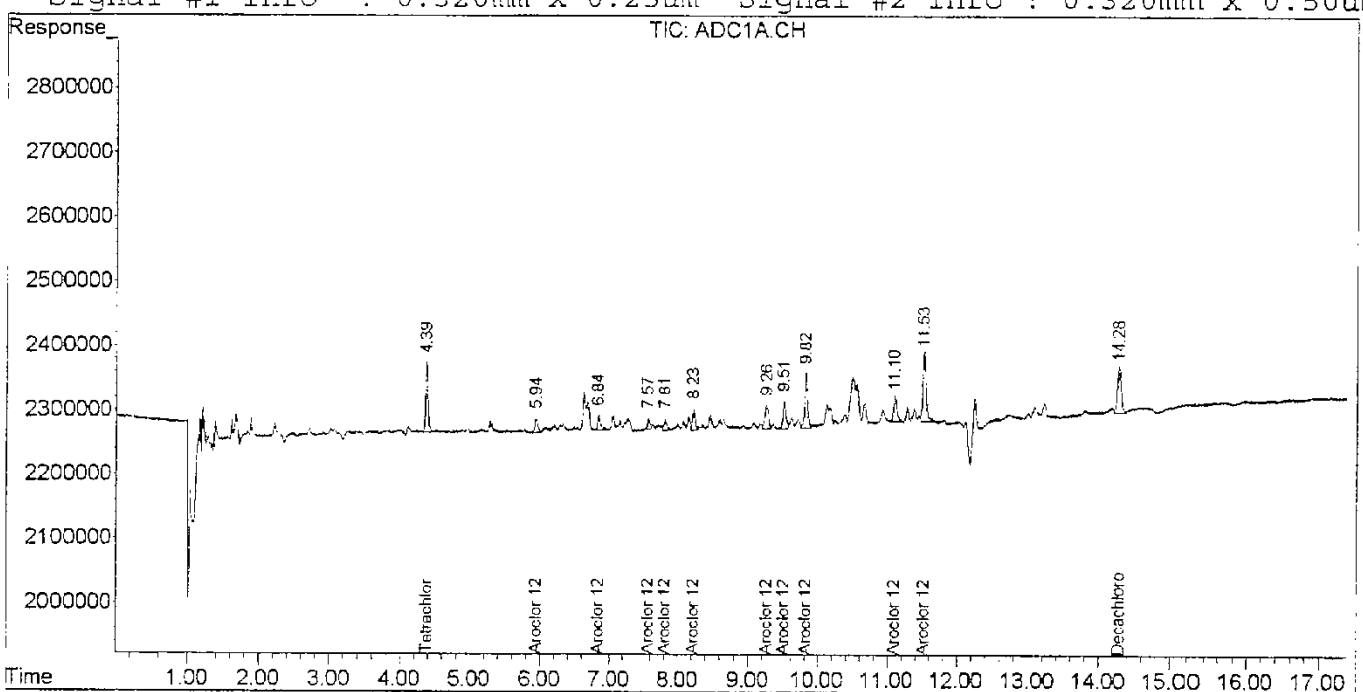
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

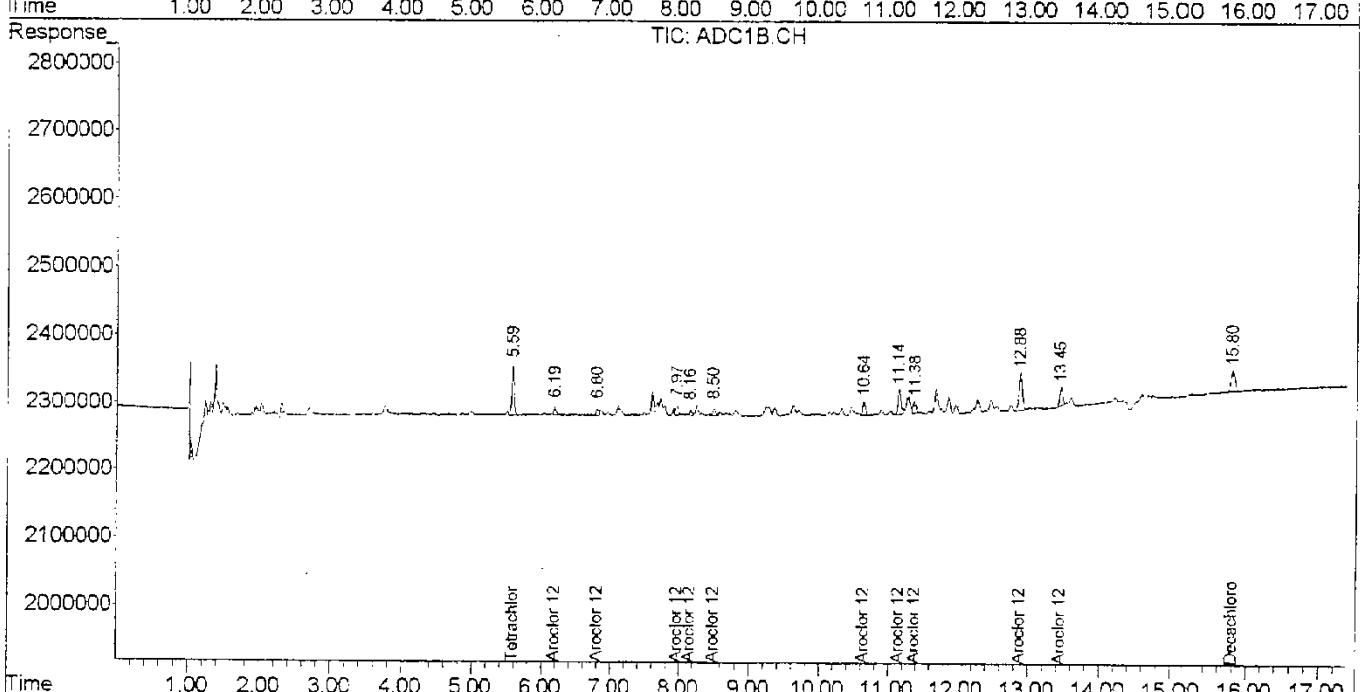
Quantitation Report (Not Reviewed)

Signal #1 : Z:\DATA\021705_A\PCB4128.D\ADC1A.CH Vial: 1
Signal #2 : Z:\DATA\021705_A\PCB4128.D\ADC1B.CH
Acq On : 17 Feb 2005 3:49 pm Operator: STM
Sample : 10ng/ml 1242/1260 ical 561-160-4 Inst : Dual Colu
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 18 12:51 2005 Quant Results File: 42600217.RES

Quant Method : Z:\METHODS\42600217.M (Chemstation Integrator)
Title : PCBs by USEPA Method 8082
Last Update : Fri Feb 18 11:07:49 2005
Response via : Multiple Level Calibration
DataAcq Meth : PCB_RUN.M

Volume Inj. : 1.5ul
Signal #1 Phase : DB-35MS Signal #2 Phase: DB-XLB
Signal #1 Info : 0.320mm x 0.25um Signal #2 Info : 0.320mm x 0.50um





01326

Quantitation Report (Not Reviewed)

Signal #1 : Z:\DATA\021705_A\PCB4129.D\ADC1A.CH Vial: 2
Signal #2 : Z:\DATA\021705_A\PCB4129.D\ADC1B.CH
Acq On : 17 Feb 2005 4:09 pm Operator: STM
Sample : 50ng/ml 1242/1260 ical 561-160-5 Inst : Dual Colu
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 18 12:52:46 2005 Quant Results File: 42600217.RES

Quant Method : Z:\METHODS\42600217.M (Chemstation Integrator)
Title : PCBs by USEPA Method 8082
Last Update : Fri Feb 18 12:52:28 2005
Response via : Initial Calibration
DataAcq Meth : PCB_RUN.M

Volume Inj. : 1.5ul
Signal #1 Phase : DB-35MS Signal #2 Phase: DB-XLB
Signal #1 Info : 0.320mm x 0.25um Signal #2 Info : 0.320mm x 0.50um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) S Tetrachloro-m-xy	4.39	5.59	11263051	7338348	4.822	5.104
Spiked Amount 20.000			Recovery	=	24.11%	25.52%
14) S Decachlorobiphen	14.29	15.81	10586788	5514587	5.332	5.432
Spiked Amount 20.000			Recovery	=	26.66%	27.16%
Target Compounds						
2) L3 Aroclor 1242	5.94	6.19	2949475	1341948	51.325	53.945
3) L3 Aroclor 1242 {2}	6.85	6.81	3249590	1174981	54.115	53.143
4) L3 Aroclor 1242 {3}	7.57	7.98	2118173	1877716	52.946	58.041
5) L3 Aroclor 1242 {4}	7.82	8.17	2238372	977371	51.947	54.224
6) L3 Aroclor 1242 {5}	8.24	8.50	3751679	1212377	51.293	51.840
7) L3 Aroclor 1242 - T	0.00	0.00	14307290	6584393	52.263m	54.530m
8) L4 Aroclor 1260	9.27	10.65	5690220	2782046	51.694	54.084
9) L4 Aroclor 1260 {2}	9.52	11.16	5218874	4905730	51.760	54.047
10) L4 Aroclor 1260 {3}	9.83	11.39	10442153	3266053	51.283	55.181
11) L4 Aroclor 1260 {4}	11.11	12.89	6953709	7406606	55.497	52.546
12) L4 Aroclor 1260 {5}	11.53	13.46	14937333	4643065	51.858	56.161
13) L4 Aroclor 1260 - T	0.00	0.00	43242289	23003500	52.233m	54.123m

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

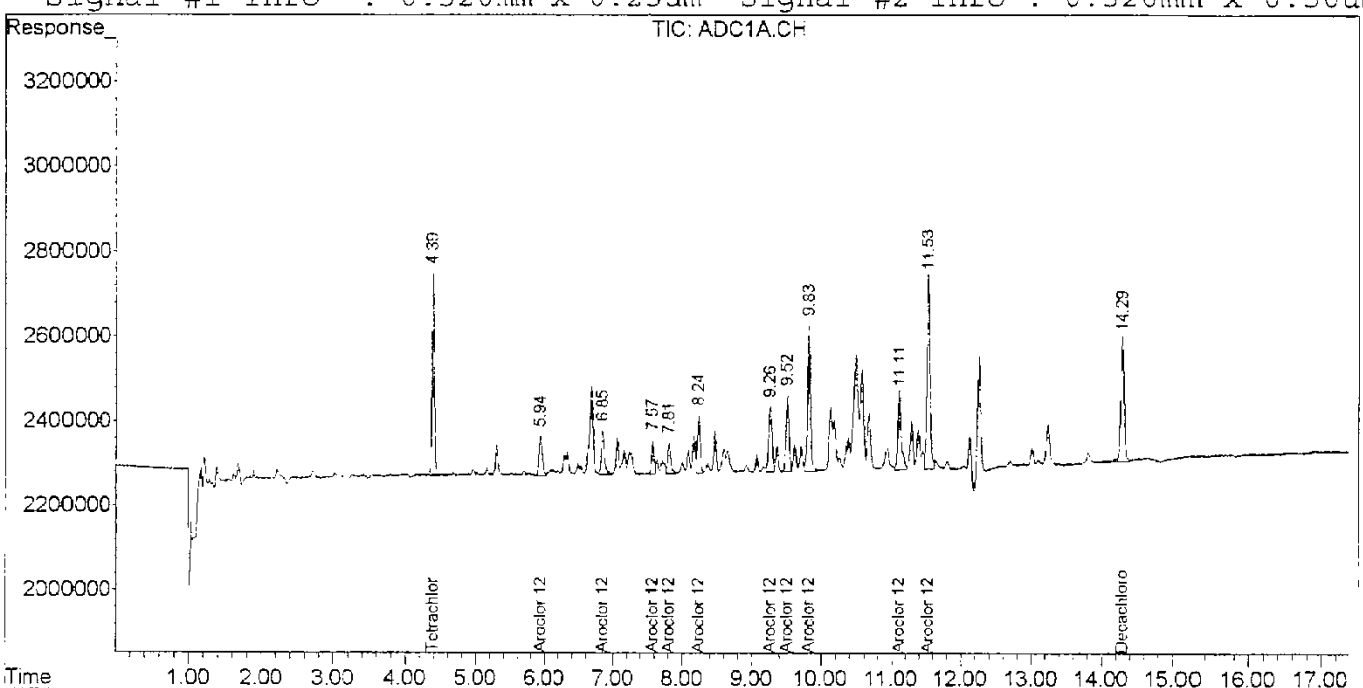
01327

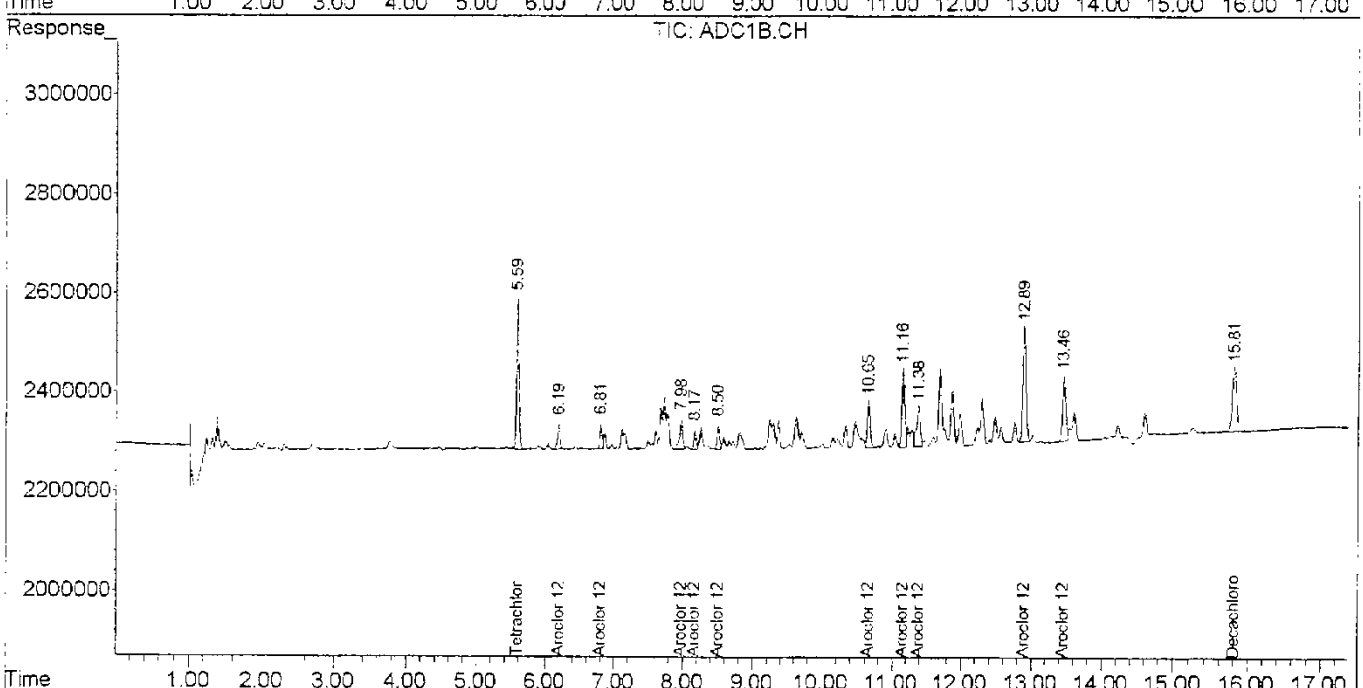
Quantitation Report (Not Reviewed)

Signal #1 : Z:\DATA\021705_A\PCB4129.D\ADC1A.CH Vial: 2
Signal #2 : Z:\DATA\021705_A\PCB4129.D\ADC1B.CH
Acq On : 17 Feb 2005 4:09 pm Operator: STM
Sample : 50ng/ml 1242/1260 ical 561-160-5 Inst : Dual Colu
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 18 12:52 2005 Quant Results File: 42600217.RES

Quant Method : Z:\METHODS\42600217.M (Chemstation Integrator)
Title : PCBs by USEPA Method 8082
Last Update : Fri Feb 18 12:52:28 2005
Response via : Multiple Level Calibration
DataAcq Meth : PCB_RUN.M

Volume Inj. : 1.5ul
Signal #1 Phase : DB-35MS Signal #2 Phase: DB-XLB
Signal #1 Info : 0.320mm x 0.25um Signal #2 Info : 0.320mm x 0.50um





01328

Quantitation Report (Not Reviewed)

Signal #1 : Z:\DATA\021705_A\PCB4130.D\ADC1A.CH Vial: 3
Signal #2 : Z:\DATA\021705_A\PCB4130.D\ADC1B.CH
Acq On : 17 Feb 2005 4:29 pm Operator: STM
Sample : 100ng/ml 1242/1260 ical 561-157-3 Inst : Dual Colu
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 18 12:53:24 2005 Quant Results File: 42600217.RES

Quant Method : Z:\METHODS\42600217.M (Chemstation Integrator)
Title : PCBs by USEPA Method 8082
Last Update : Fri Feb 18 12:52:28 2005
Response via : Initial Calibration
DataAcq Meth : PCB_RUN.M

Volume Inj. : 1.5ul
Signal #1 Phase : DB-35MS Signal #2 Phase: DB-XLB
Signal #1 Info : 0.320mm x 0.25um Signal #2 Info : 0.320mm x 0.50um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) S Tetrachloro-m-xy	4.40	5.60	20699872	13010942	8.862	9.050
Spiked Amount 20.000			Recovery	=	44.31%	45.25%
14) S Decachlorobiphen	14.30	15.82	18106649	9637374	9.119	9.494
Spiked Amount 20.000			Recovery	=	45.59%	47.47%
Target Compounds						
2) L3 Aroclor 1242	5.95	6.20	5194564	2263298	90.392	90.982
3) L3 Aroclor 1242 {2}	6.86	6.82	5612801	2142281	93.468	96.893
4) L3 Aroclor 1242 {3}	7.59	7.99	3771554	3183747	94.275	98.412
5) L3 Aroclor 1242 {4}	7.83	8.18	3875713	1700352	89.945	94.334
6) L3 Aroclor 1242 {5}	8.25	8.52	6776361	2184774	92.647	93.419
7) L3 Aroclor 1242 - T	0.00	0.00	25230994	11474452	92.166m	95.027m
8) L4 Aroclor 1260	9.28	10.67	10141695	4968917	92.134	96.597
9) L4 Aroclor 1260 {2}	9.53	11.17	9394902	8692293	93.177	95.764
10) L4 Aroclor 1260 {3}	9.84	11.40	18702518	6257003	91.851	105.715
11) L4 Aroclor 1260 {4}	11.12	12.90	12241160	13501951	97.696	95.790
12) L4 Aroclor 1260 {5}	11.55	13.47	26364882	8223664	91.531	99.470
13) L4 Aroclor 1260 - T	0.00	0.00	76845157	41643828	92.823m	97.980m

01329

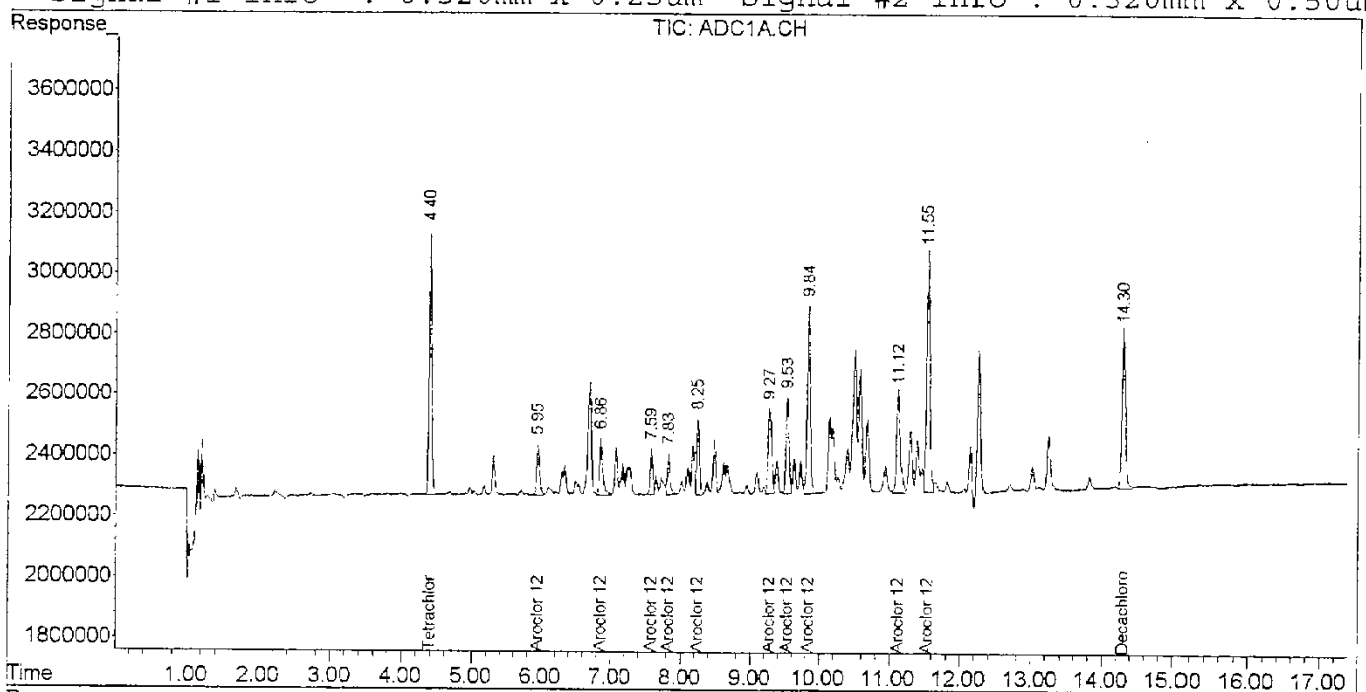
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

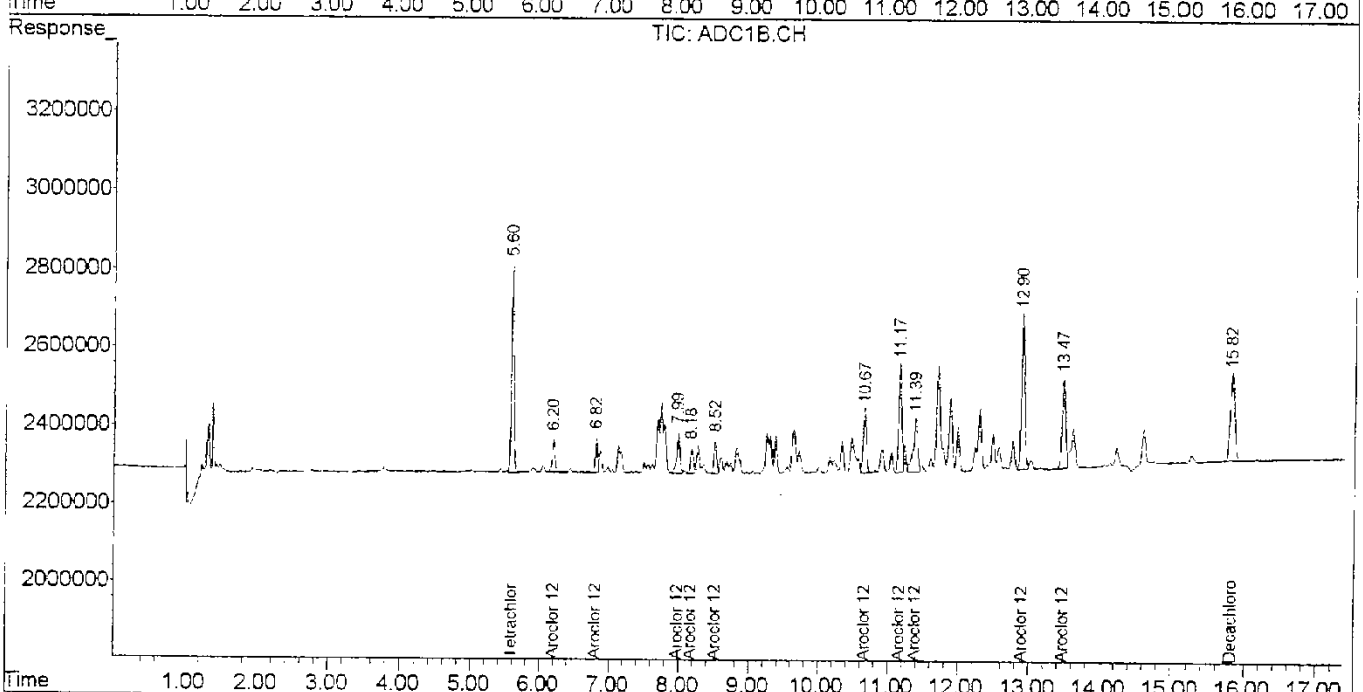
Quantitation Report (Not Reviewed)

Signal #1 : Z:\DATA\021705_A\PCB4130.D\ADC1A.CH Vial: 3
Signal #2 : Z:\DATA\021705_A\PCB4130.D\ADC1B.CH
Acq On : 17 Feb 2005 4:29 pm Operator: STM
Sample : 100ng/ml 1242/1260 ical 561-157-3 Inst : Dual Colu
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 18 12:53 2005 Quant Results File: 42600217.RES

Quant Method : Z:\METHODS\42600217.M (Chemstation Integrator)
Title : PCBs by USEPA Method 8082
Last Update : Fri Feb 18 12:52:28 2005
Response via : Multiple Level Calibration
DataAcq Meth : PCB_RUN.M

Volume Inj. : 1.5ul
Signal #1 Phase : DB-35MS Signal #2 Phase: DB-XLB
Signal #1 Info : 0.320mm x 0.25um Signal #2 Info : 0.320mm x 0.50um





01330

Quantitation Report (Not Reviewed)

Signal #1 : Z:\DATA\021705_A\PCB4131.D\ADC1A.CH Vial: 4
Signal #2 : Z:\DATA\021705_A\PCB4131.D\ADC1B.CH
Acq On : 17 Feb 2005 4:49 pm Operator: STM
Sample : 250ng/ml 1242/1260 ical 561-157-4 Inst : Dual Colu
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 18 12:53:31 2005 Quant Results File: 42600217.RES

Quant Method : Z:\METHODS\42600217.M (Chemstation Integrator)
Title : PCBs by USEPA Method 8082
Last Update : Fri Feb 18 12:52:28 2005
Response via : Initial Calibration
DataAcq Meth : PCB_RUN.M

Volume Inj. : 1.5ul
Signal #1 Phase : DB-35MS Signal #2 Phase: DB-XLB
Signal #1 Info : 0.320mm x 0.25um Signal #2 Info : 0.320mm x 0.50um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) S Tetrachloro-m-xy	4.39	5.59	51957990	30534850	22.244	21.240
Spiked Amount 20.000			Recovery	=	111.22%	106.20%
14) S Decachlorobiphen	14.29	15.81	42743440	21883161	21.527	21.557
Spiked Amount 20.000			Recovery	=	107.64%	107.79%
Target Compounds						
2) L3 Aroclor 1242	5.94	6.19	12387186	5585954	215.552	224.548
3) L3 Aroclor 1242 {2}	6.85	6.81	13179571	5088434	219.476	230.144
4) L3 Aroclor 1242 {3}	7.58	7.98	8964514	6993454	224.079	216.172
5) L3 Aroclor 1242 {4}	7.82	8.17	9185414	3899144	213.169	216.321
6) L3 Aroclor 1242 {5}	8.24	8.50	16044096	4976583	219.355	212.793
7) L3 Aroclor 1242 - T	0.00	0.00	59760780	26543568	218.300m	219.824m
8) L4 Aroclor 1260	9.27	10.65	23670616	11327065	215.041	220.201
9) L4 Aroclor 1260 {2}	9.52	11.16	22015702	19259879	218.348	212.188
10) L4 Aroclor 1260 {3}	9.83	11.39	43969728	14044812	215.942	237.293
11) L4 Aroclor 1260 {4}	11.11	12.89	28175448	30597503	224.866	217.075
12) L4 Aroclor 1260 {5}	11.54	13.46	62399086	18837456	216.630	227.850
13) L4 Aroclor 1260 - T	0.00	0.00	180.2E6	94066715	217.705m	221.321m

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

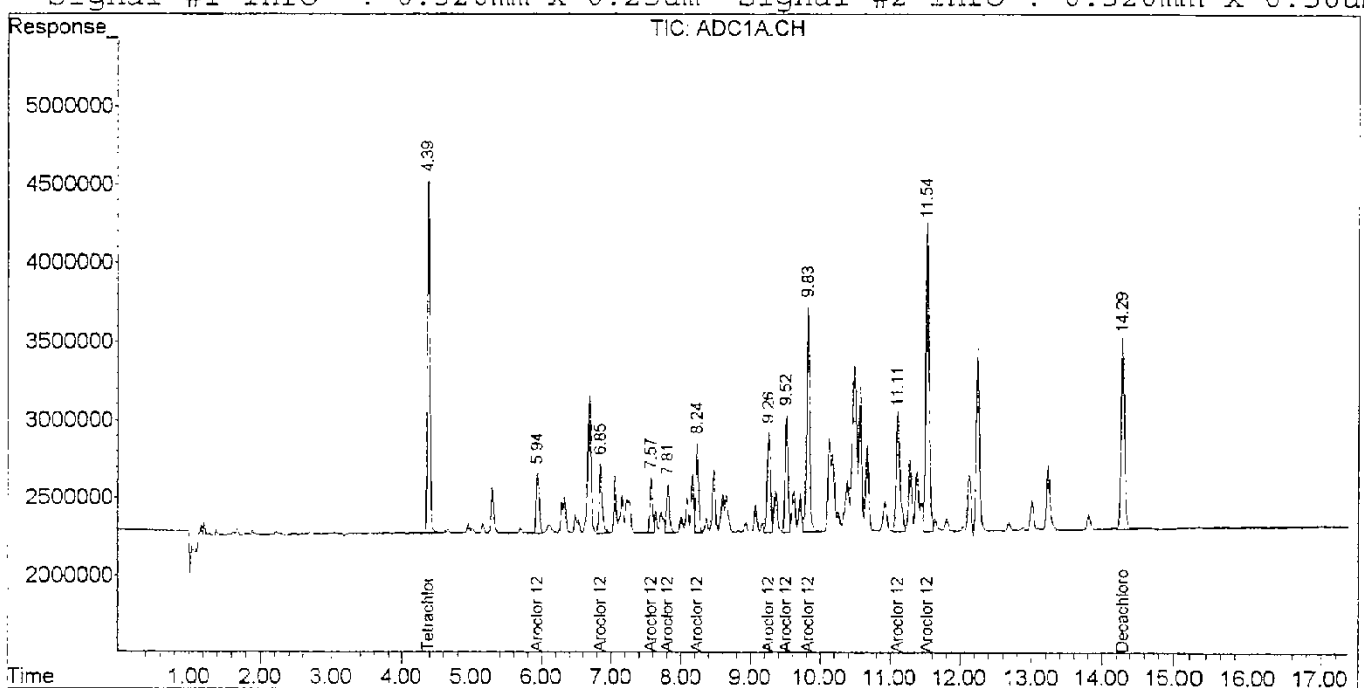
01331

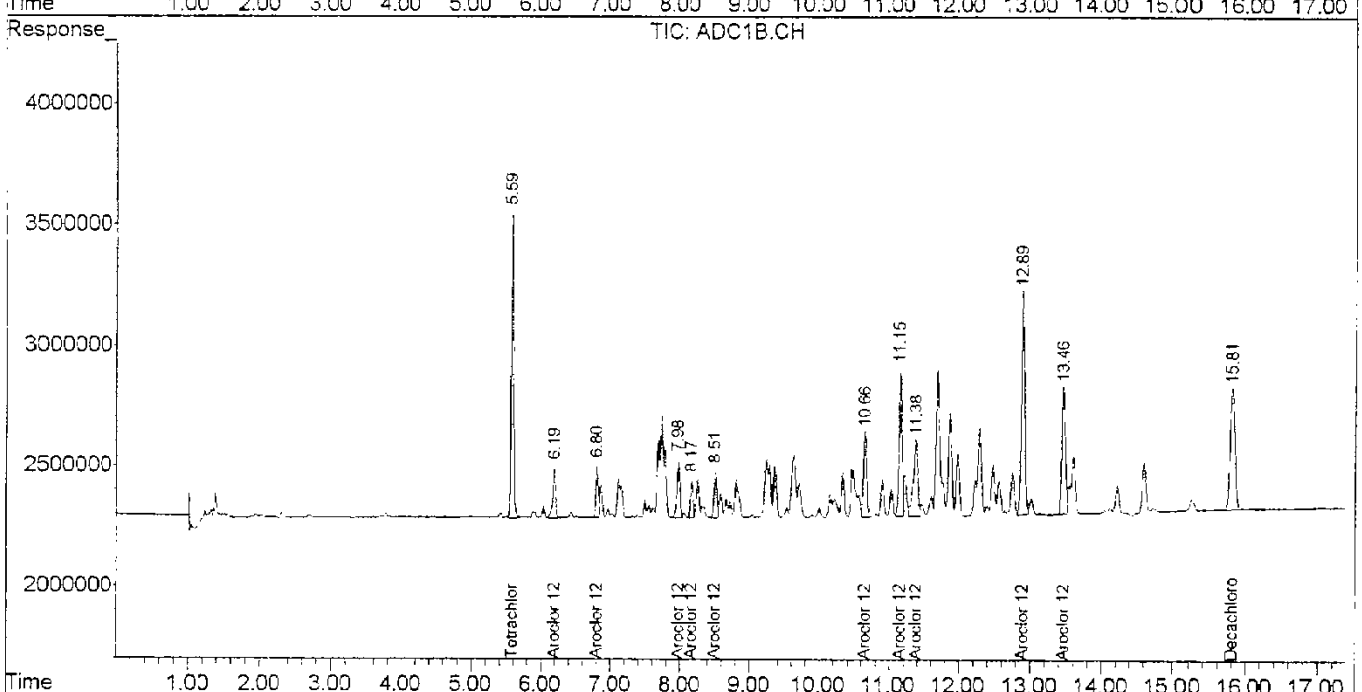
Quantitation Report (Not Reviewed)

Signal #1 : Z:\DATA\021705_A\PCB4131.D\ADC1A.CH Vial: 4
Signal #2 : Z:\DATA\021705_A\PCB4131.D\ADC1B.CH
Acq On : 17 Feb 2005 4:49 pm Operator: STM
Sample : 250ng/ml 1242/1260 ical 561-157-4 Inst : Dual Colu
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 18 12:53 2005 Quant Results File: 42600217.RES

Quant Method : Z:\METHODS\42600217.M (Chemstation Integrator)
Title : PCBs by USEPA Method 8082
Last Update : Fri Feb 18 12:52:28 2005
Response via : Multiple Level Calibration
DataAcq Meth : PCB_RUN.M

Volume Inj. : 1.5ul
Signal #1 Phase : DB-35MS Signal #2 Phase: DB-XLB
Signal #1 Info : 0.320mm x 0.25um Signal #2 Info : 0.320mm x 0.50um





01332

Quantitation Report (Not Reviewed)

Signal #1 : Z:\DATA\021705_A\PCB4132.D\ADC1A.CH Vial: 5
Signal #2 : Z:\DATA\021705_A\PCB4132.D\ADC1B.CH
Acq On : 17 Feb 2005 5:09 pm Operator: STM
Sample : 500ng/ml 1242/1260 ical 561-157-5 Inst : Dual Colu
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 18 12:53:36 2005 Quant Results File: 42600217.RES

Quant Method : Z:\METHODS\42600217.M (Chemstation Integrator)
Title : PCBs by USEPA Method 8082
Last Update : Fri Feb 18 12:52:28 2005
Response via : Initial Calibration
DataAcq Meth : PCB_RUN.M

Volume Inj. : 1.5ul
Signal #1 Phase : DB-35MS Signal #2 Phase: DB-XLB
Signal #1 Info : 0.320mm x 0.25um Signal #2 Info : 0.320mm x 0.50um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) S Tetrachloro-m-xy	4.39	5.58	123.8E6	65620358	53.019	45.644
Spiked Amount 20.000			Recovery	=	265.09%	228.22%
14) S Decachlorobiphen	14.28	15.80	90854359	43877104	45.757	43.223
Spiked Amount 20.000			Recovery	=	228.78%	216.12%
Target Compounds						
2) L3 Aroclor 1242	5.94	6.19	25814213	11238883	449.199	451.789
3) L3 Aroclor 1242 {2}	6.84	6.80	27571938	10339535	459.148	467.646
4) L3 Aroclor 1242 {3}	7.57	7.97	18506210	14008147	462.585	433.001
5) L3 Aroclor 1242 {4}	7.81	8.16	19276782	7929727	447.362	439.935
6) L3 Aroclor 1242 {5}	8.23	8.50	33641233	10077535	459.944	430.904
7) L3 Aroclor 1242 - T	0.00	0.00	124.8E6	53593827	455.919m	443.844m
8) L4 Aroclor 1260	9.26	10.65	49361707	22819059	448.437	443.608
9) L4 Aroclor 1260 {2}	9.51	11.15	46455158	39268113	460.735	432.621
10) L4 Aroclor 1260 {3}	9.83	11.38	97117143	27584940	476.956	466.059
11) L4 Aroclor 1260 {4}	11.10	12.88	59417828	63618465	474.208	451.344
12) L4 Aroclor 1260 {5}	11.53	13.45	141.9E6	38553981	492.731	466.333
13) L4 Aroclor 1260 - T	0.00	0.00	394.3E6	191.8E6	476.261m	451.374m

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

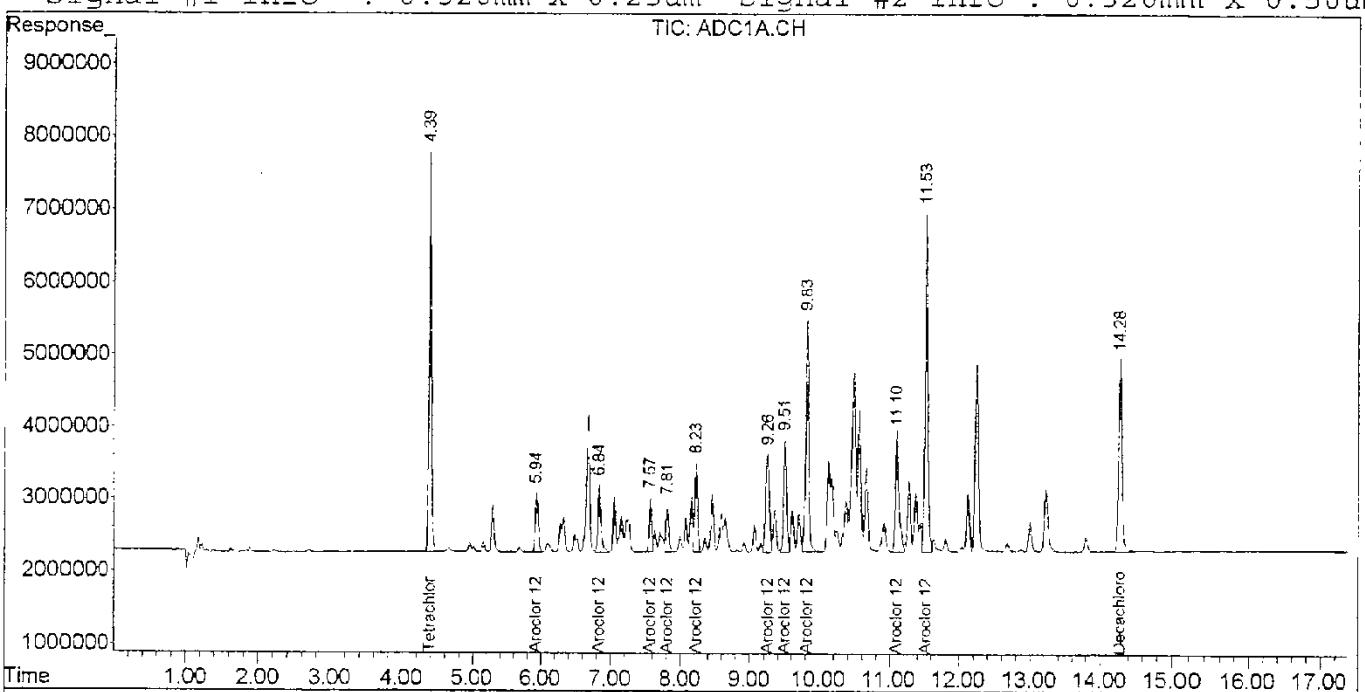
01333

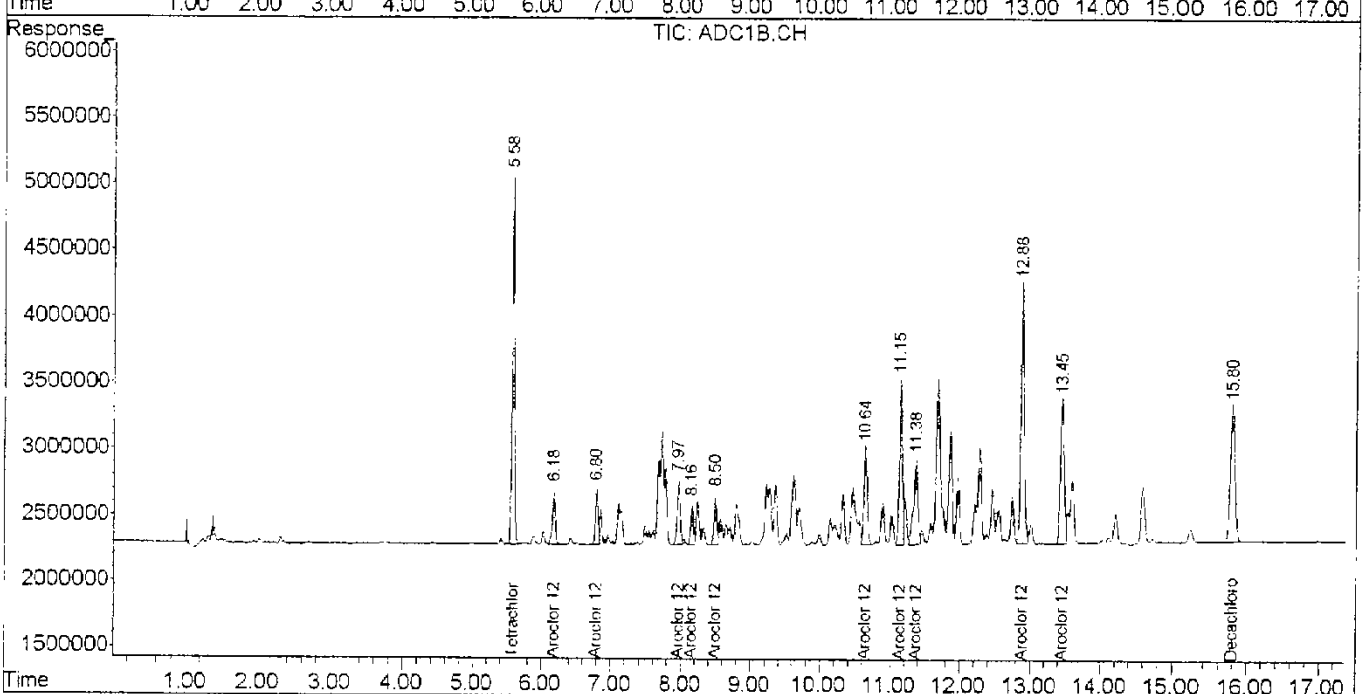
Quantitation Report (Not Reviewed)

Signal #1 : Z:\DATA\021705_A\PCB4132.D\ADC1A.CH Vial: 5
Signal #2 : Z:\DATA\021705_A\PCB4132.D\ADC1B.CH
Acq On : 17 Feb 2005 5:09 pm Operator: STM
Sample : 500ng/ml 1242/1260 ical 561-157-5 Inst : Dual Colu
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 18 12:53 2005 Quant Results File: 42600217.RES

Quant Method : Z:\METHODS\42600217.M (Chemstation Integrator)
Title : PCBs by USEPA Method 8082
Last Update : Fri Feb 18 12:52:28 2005
Response via : Multiple Level Calibration
DataAcq Meth : PCB_RUN.M

Volume Inj. : 1.5ul
Signal #1 Phase : DB-35MS Signal #2 Phase: DB-XLB
Signal #1 Info : 0.320mm x 0.25um Signal #2 Info : 0.320mm x 0.50um





01334

Quantitation Report (Not Reviewed)

Signal #1 : Z:\DATA\021705_A\PCB4133.D\ADC1A.CH Vial: 6
Signal #2 : Z:\DATA\021705_A\PCB4133.D\ADC1B.CH
Acq On : 17 Feb 2005 5:29 pm Operator: STM
Sample : 100ng/ml 1242/1260 icv 561-157-6 Inst : Dual Colu
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 18 12:53:42 2005 Quant Results File: 42600217.RES

Quant Method : Z:\METHODS\42600217.M (Chemstation Integrator)
Title : PCBs by USEPA Method 8082
Last Update : Fri Feb 18 12:52:28 2005
Response via : Initial Calibration
DataAcq Meth : PCB_RUN.M

Volume Inj. : 1.5ul
Signal #1 Phase : DB-35MS Signal #2 Phase: DB-XLB
Signal #1 Info : 0.320mm x 0.25um Signal #2 Info : 0.320mm x 0.50um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) S Tetrachloro-m-xy	4.40	5.59	20804521	13066448	8.907	9.089
Spiked Amount 20.000			Recovery	=	44.54%	45.45%
4) S Decachlorobiphen	14.30	15.81	18671247	9940338	9.403	9.792
Spiked Amount 20.000			Recovery	=	47.02%	48.96%
Target Compounds						
2) L3 Aroclor 1242	5.95	6.20	5288454	2354616	92.026	94.653
3) L3 Aroclor 1242 {2}	6.85	6.81	5540801	2078664	92.269	94.016
4) L3 Aroclor 1242 {3}	7.58	7.98	3867645	3117663	96.676	96.369
5) L3 Aroclor 1242 {4}	7.82	8.17	4026410	1722882	93.442	95.584
6) L3 Aroclor 1242 {5}	8.24	8.51	7001403	2152403	95.723	92.034
7) L3 Aroclor 1242 - T	0.00	0.00	25724714	11426227	93.970m	94.628m
8) L4 Aroclor 1260	9.27	10.66	11002081	5426483	99.951	105.492
9) L4 Aroclor 1260 {2}	9.52	11.16	10335127	9273512	102.502	102.167
0) L4 Aroclor 1260 {3}	9.84	11.39	19904971	7089944	97.756	119.788
1) L4 Aroclor 1260 {4}	11.11	12.89	13378788	14596751	106.775	103.557
2) L4 Aroclor 1260 {5}	11.54	13.46	28811023	9065887	100.023	109.657
3) L4 Aroclor 1260 - T	0.00	0.00	83431989	45452577	100.780m	106.941m

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

01335

Evaluate Continuing Calibration Report

Signal #1 : Z:\DATA\021705_A\PCB4133.D\ADC1A.CH Vial: 6
Signal #2 : Z:\DATA\021705_A\PCB4133.D\ADC1B.CH
Acq On : 17 Feb 2005 5:29 pm Operator: STM
Sample : 100ng/ml 1242/1260 icv 561-157-6 Inst : Dual Colu
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E

Method : Z:\METHODS\42600217.M (Chemstation Integrator)
Title : PCBs by USEPA Method 8082
Last Update : Fri Feb 18 12:52:28 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	S	Tetrachloro-m-xylene (S)	10.000	8.907	10.9	0	0.00
2	L1	Aroclor 1242	100.000	92.026	8.0	0	0.00
3	L1	Aroclor 1242 {2}	100.000	92.269	7.7	0	0.00
4	L1	Aroclor 1242 {3}	100.000	96.676	3.3	0	0.00
5	L1	Aroclor 1242 {4}	100.000	93.442	6.6	0	0.00
6	L1	Aroclor 1242 {5}	100.000	95.723	4.3	0	0.00
7	L1	Aroclor 1242 - Total	100.000	93.970	6.0	0	-0.61#
8	L2	Aroclor 1260	100.000	99.951	0.0	0	0.00
9	L2	Aroclor 1260 {2}	100.000	102.502	-2.5	0	0.00
10	L2	Aroclor 1260 {3}	100.000	97.756	2.2	0	0.00
11	L2	Aroclor 1260 {4}	100.000	106.775	-6.8	0	0.00
12	L2	Aroclor 1260 {5}	100.000	100.023	-0.0	0	0.00
13	L2	Aroclor 1260 - Total	100.000	100.780	-0.8	0	-0.61#
14	S	Decachlorobiphenyl (S)	10.000	9.403	6.0	0	0.00

Signal #2

1	S	Tetrachloro-m-xylene (S)	10.000	9.089	9.1	0	0.00
2	L3	Aroclor 1242	100.000	94.653	5.3	0	0.00
3	L3	Aroclor 1242 {2}	100.000	94.016	6.0	0	0.00
4	L3	Aroclor 1242 {3}	100.000	96.369	3.6	0	0.00
5	L3	Aroclor 1242 {4}	100.000	95.584	4.4	0	0.00
6	L3	Aroclor 1242 {5}	100.000	92.034	8.0	0	0.00
7	L3	Aroclor 1242 - Total	100.000	94.628	5.4	0	-0.61#
8	L4	Aroclor 1260	100.000	105.492	-5.5	0	0.00
9	L4	Aroclor 1260 {2}	100.000	102.167	-2.2	0	0.00
10	L4	Aroclor 1260 {3}	100.000	119.788	-19.8#	0	0.00
11	L4	Aroclor 1260 {4}	100.000	103.557	-3.6	0	0.00
12	L4	Aroclor 1260 {5}	100.000	109.657	-9.7	0	0.00
13	L4	Aroclor 1260 - Total	100.000	106.941	-6.9	0	-0.61#
14	S	Decachlorobiphenyl (S)	10.000	9.792	2.1	0	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

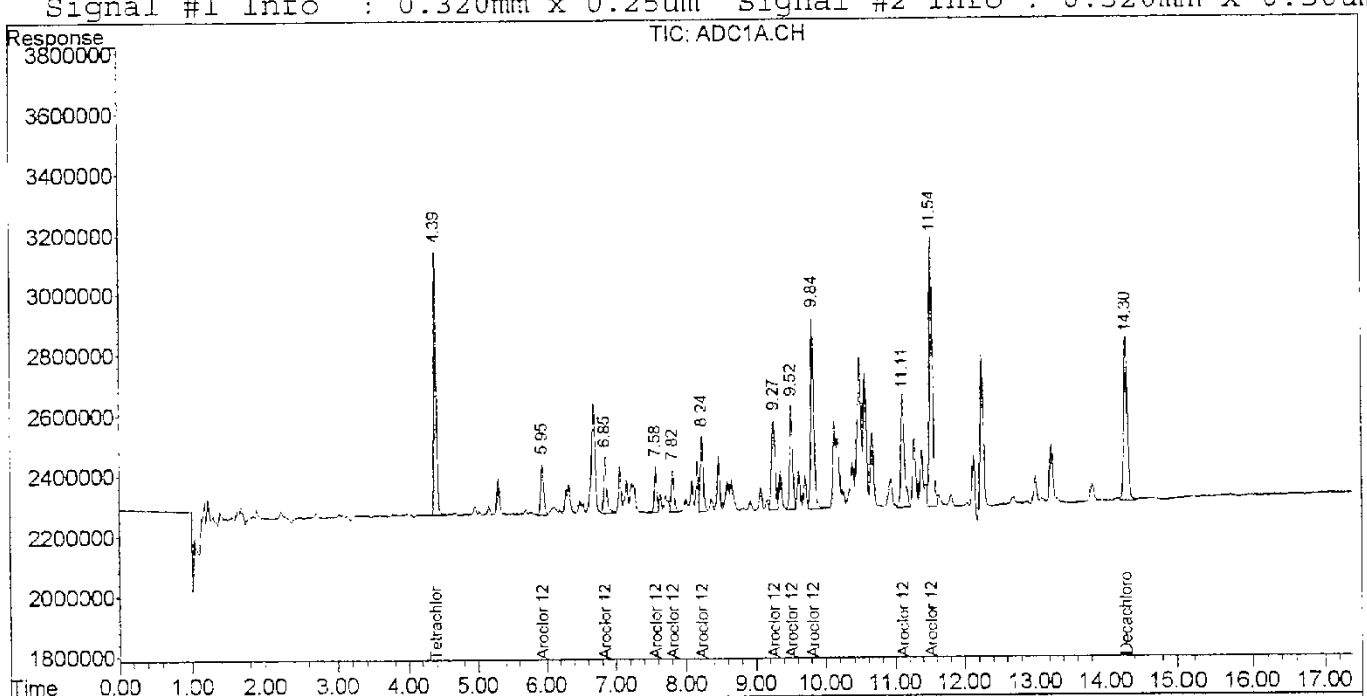
01336

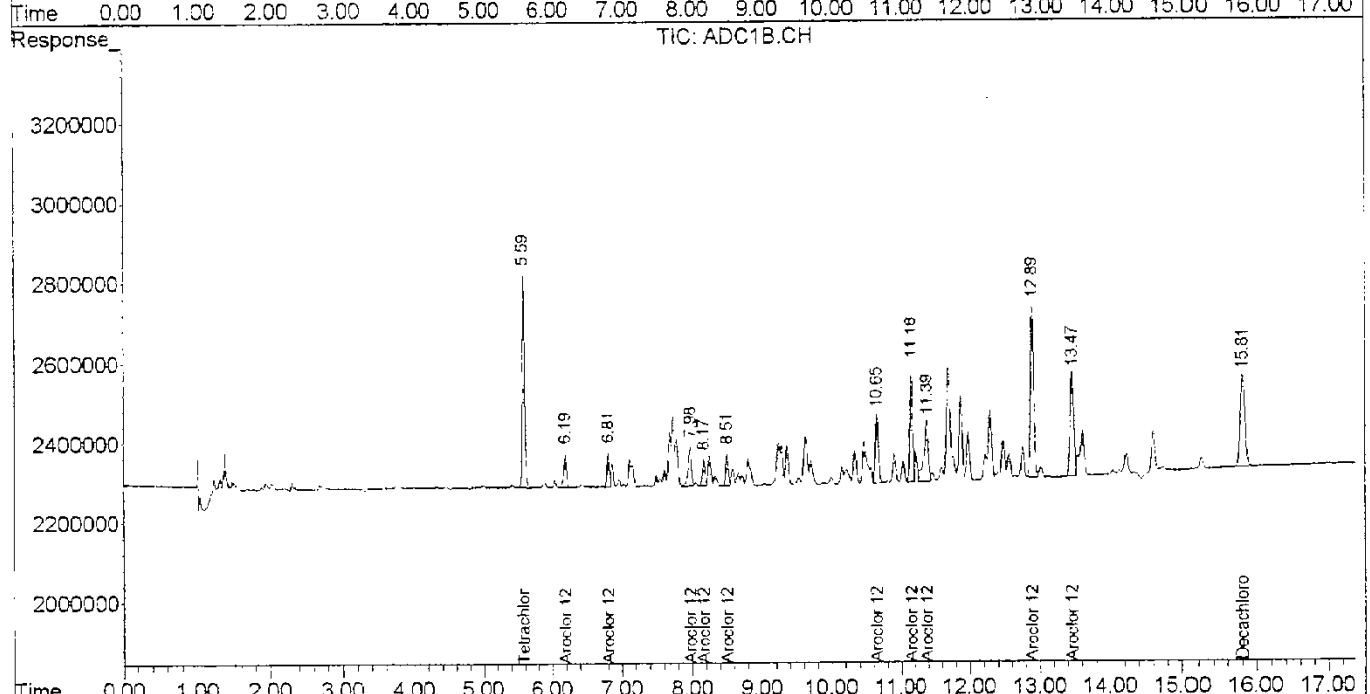
Quantitation Report (Not Reviewed)

Signal #1 : Z:\DATA\021705_A\PCB4133.D\ADC1A.CH Vial: 6
Signal #2 : Z:\DATA\021705_A\PCB4133.D\ADC1B.CH
Acq On : 17 Feb 2005 5:29 pm Operator: STM
Sample : 100ng/ml 1242/1260 icv 561-157-6 Inst : Dual Colu
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 18 12:53 2005 Quant Results File: 42600217.RES

Quant Method : Z:\METHODS\42600217.M (Chemstation Integrator)
Title : PCBs by USEPA Method 8082
Last Update : Fri Feb 18 12:52:28 2005
Response via : Multiple Level Calibration
DataAcq Meth : PCB_RUN.M

Volume Inj. : 1.5ul
Signal #1 Phase : DB-35MS Signal #2 Phase: DB-XLB
Signal #1 Info : 0.320mm x 0.25um Signal #2 Info : 0.320mm x 0.50um





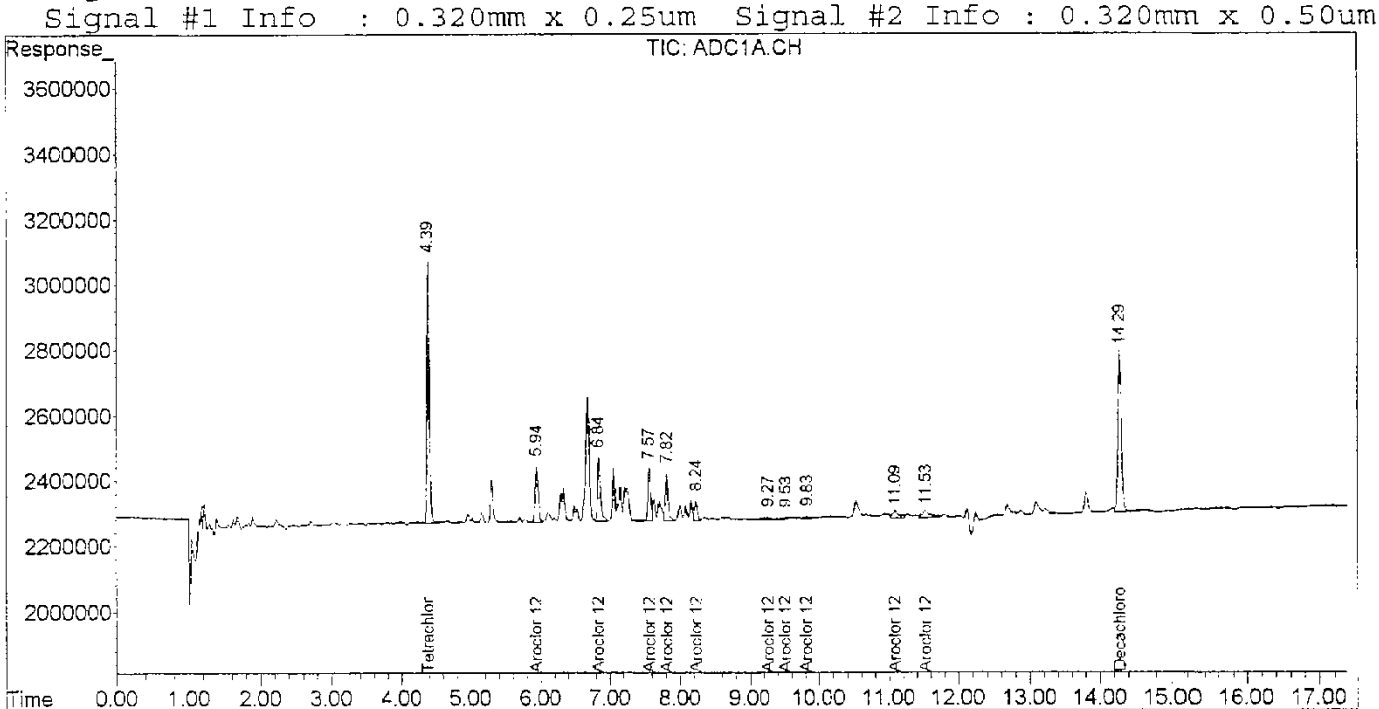
01337

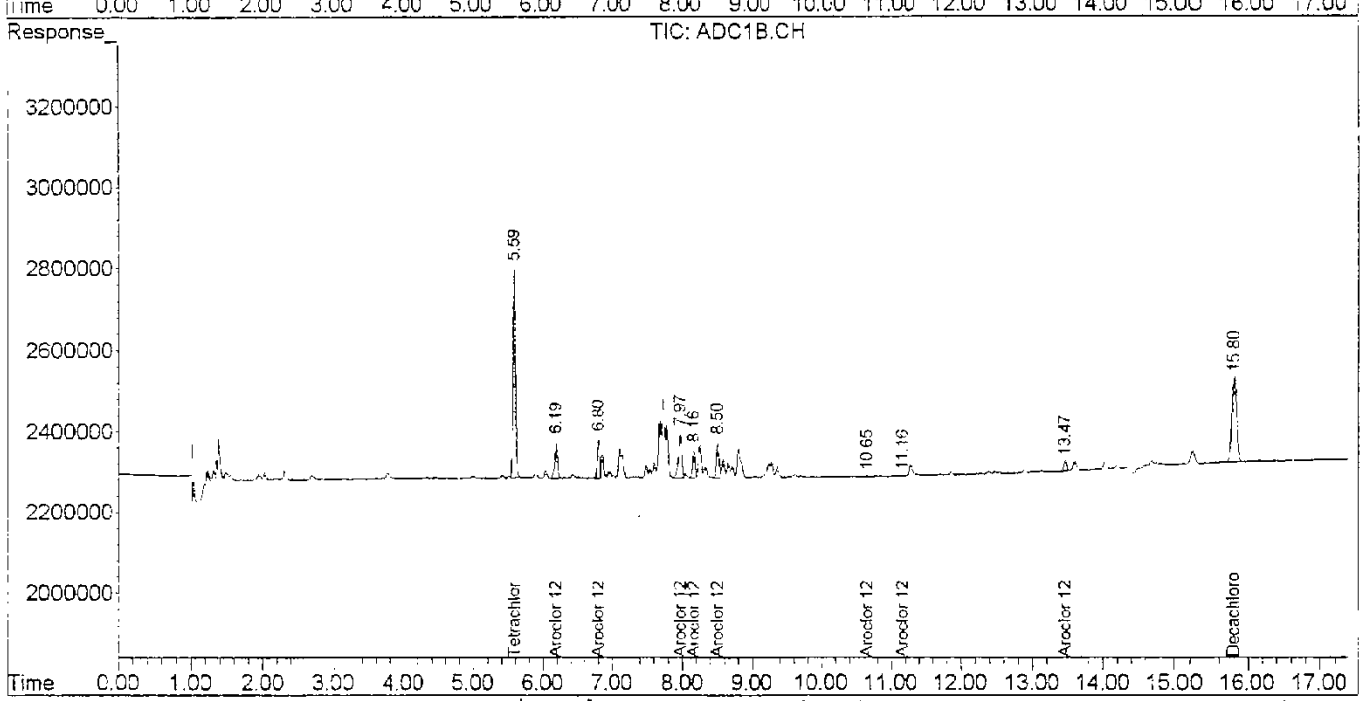
Quantitation Report (Not Reviewed)

Signal #1 : Z:\DATA\021705_A\PCB4142.D\ADC1A.CH Vial: 15
Signal #2 : Z:\DATA\021705_A\PCB4142.D\ADC1B.CH
Acq On : 17 Feb 2005 8:29 pm Operator: STM
Sample : 100ng/ml 1016 ical 561-159-1 Inst : Dual Colu
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 18 12:57 2005 Quant Results File: 42600217.RES

Quant Method : Z:\METHODS\42600217.M (Chemstation Integrator)
Title : PCBs by USEPA Method 8082
Last Update : Fri Feb 18 12:52:28 2005
Response via : Multiple Level Calibration
DataAcq Meth : PCB_RUN.M

Volume Inj. : 1.5ul
Signal #1 Phase : DB-35MS Signal #2 Phase: DB-XLB
Signal #1 Info : 0.320mm x 0.25um Signal #2 Info : 0.320mm x 0.50um





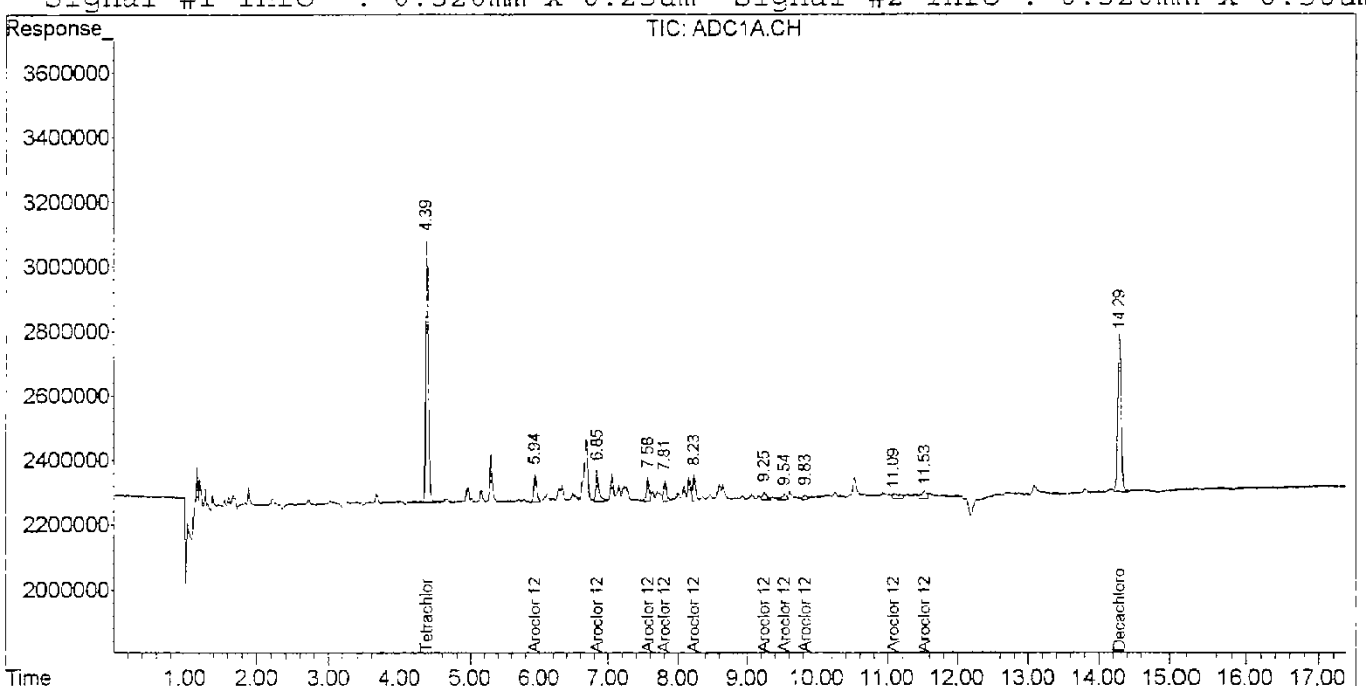
01338

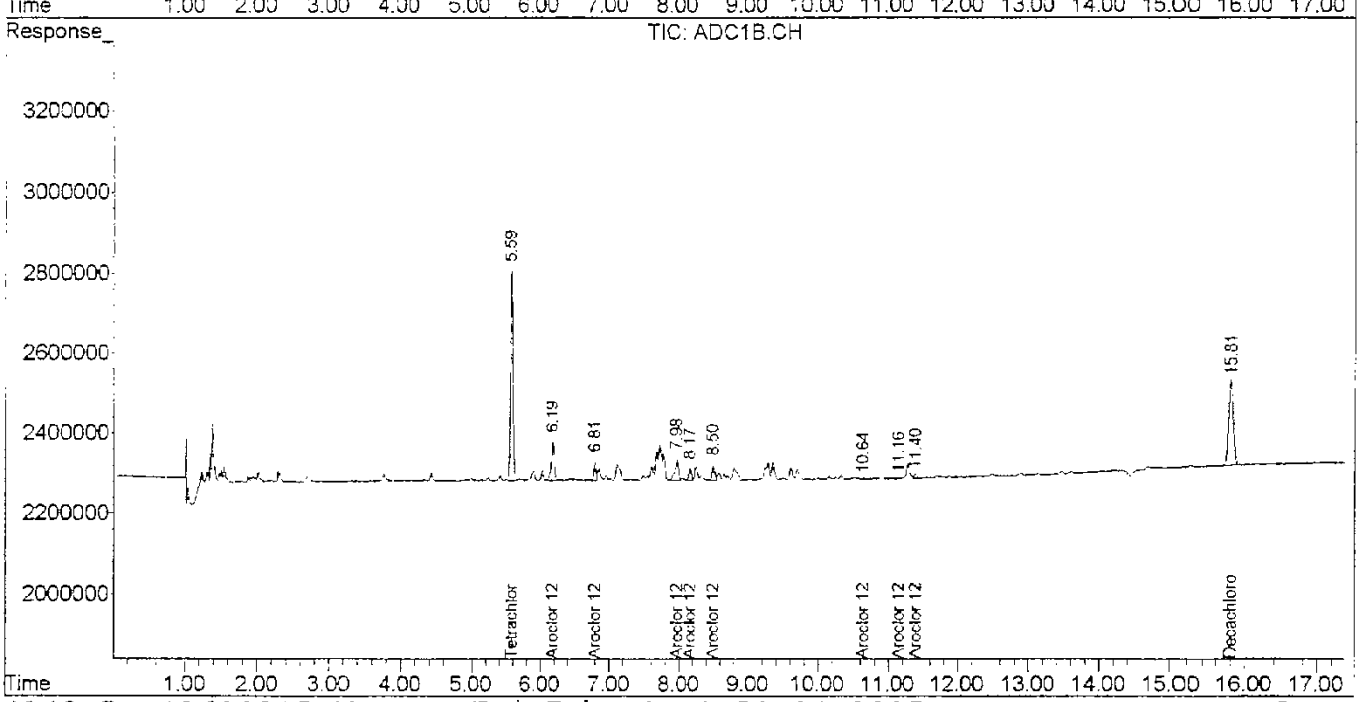
Quantitation Report (Not Reviewed)

Signal #1 : Z:\DATA\021705_A\PCB4143.D\ADC1A.CH Vial: 16
Signal #2 : Z:\DATA\021705_A\PCB4143.D\ADC1B.CH
Acq On : 17 Feb 2005 8:49 pm Operator: STM
Sample : 100ng/ml 1232 ical 561-159-2 Inst : Dual Colu
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 18 12:57 2005 Quant Results File: 42600217.RES

Quant Method : Z:\METHODS\42600217.M (Chemstation Integrator)
Title : PCBs by USEPA Method 8082
Last Update : Fri Feb 18 12:52:28 2005
Response via : Multiple Level Calibration
DataAcq Meth : PCB_RUN.M

Volume Inj. : 1.5ul
Signal #1 Phase : DB-35MS Signal #2 Phase: DB-XLB
Signal #1 Info : 0.320mm x 0.25um Signal #2 Info : 0.320mm x 0.50um





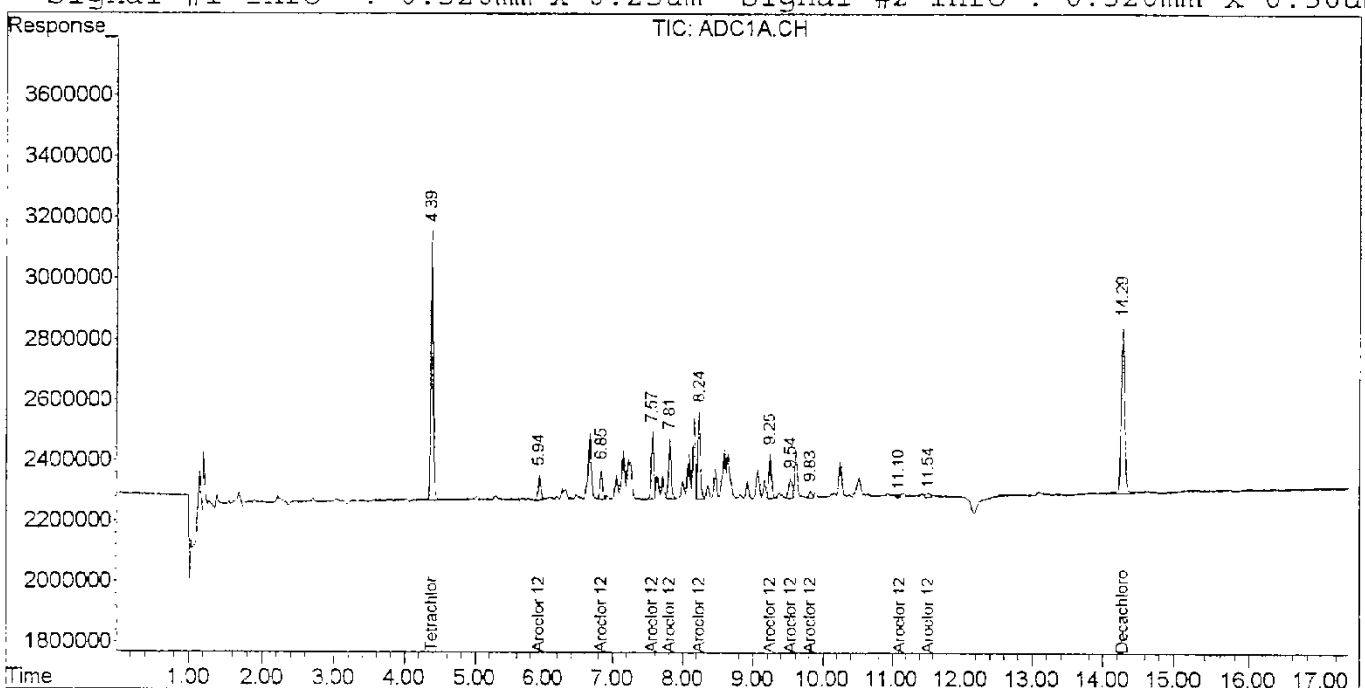
01339

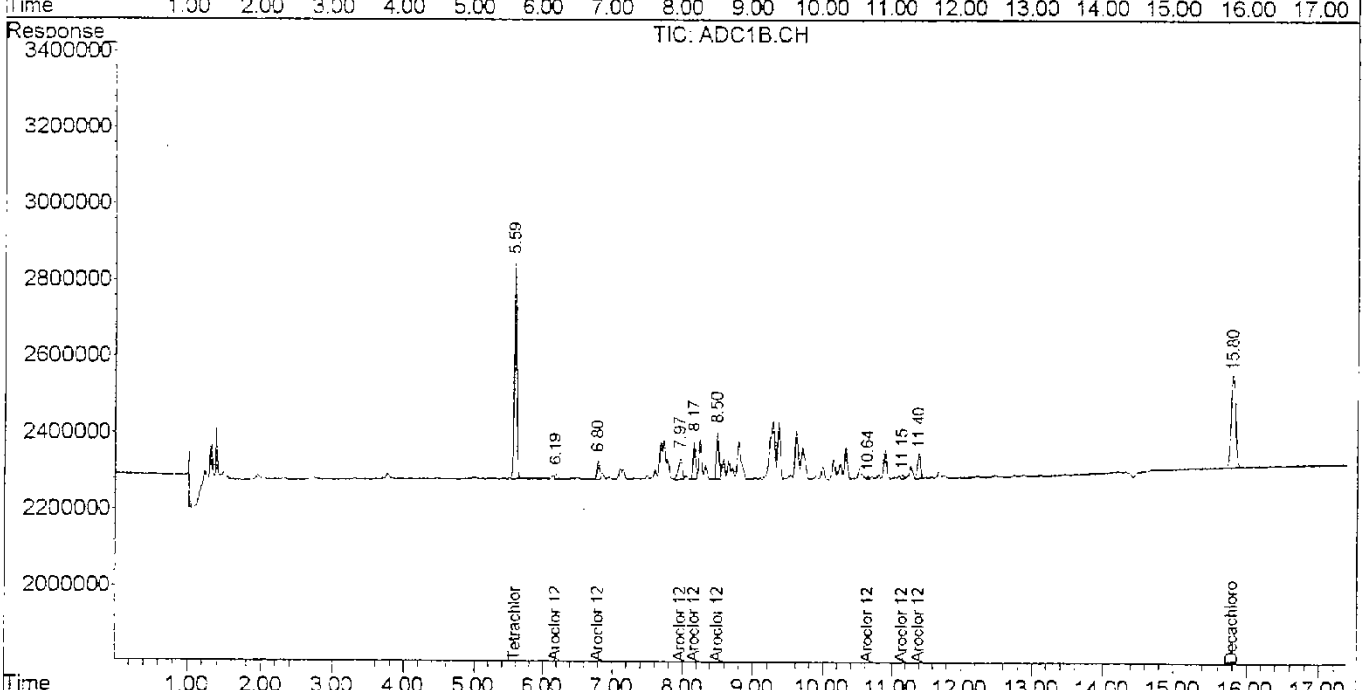
Quantitation Report (Not Reviewed)

Signal #1 : Z:\DATA\021705_A\PCB4144.D\ADC1A.CH Vial: 17
Signal #2 : Z:\DATA\021705_A\PCB4144.D\ADC1B.CH
Acq On : 17 Feb 2005 9:09 pm Operator: STM
Sample : 100ng/ml 1248 ical 561-159-3 Inst : Dual Colu
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 18 12:57 2005 Quant Results File: 42600217.RES

Quant Method : Z:\METHODS\42600217.M (Chemstation Integrator)
Title : PCBs by USEPA Method 8082
Last Update : Fri Feb 18 12:52:28 2005
Response via : Multiple Level Calibration
DataAcq Meth : PCB_RUN.M

Volume Inj. : 1.5ul
Signal #1 Phase : DB-35MS Signal #2 Phase: DB-XLB
Signal #1 Info : 0.320mm x 0.25um Signal #2 Info : 0.320mm x 0.50um





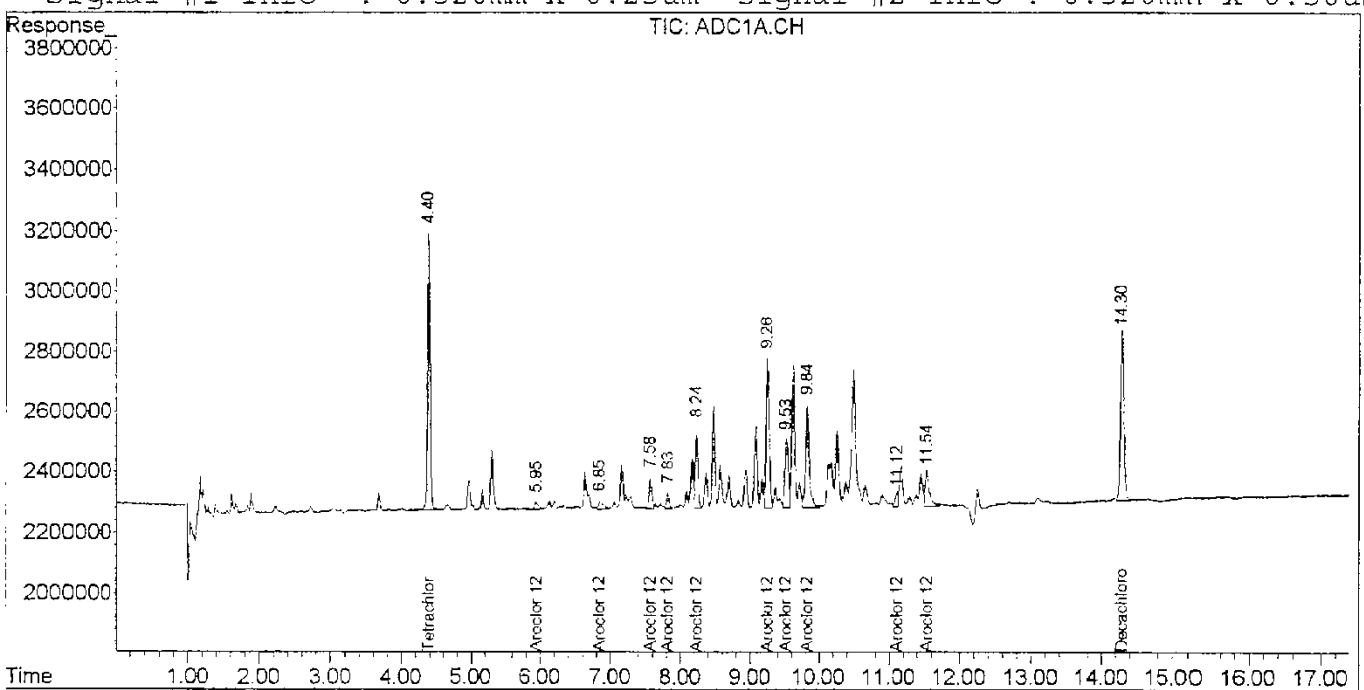
01340

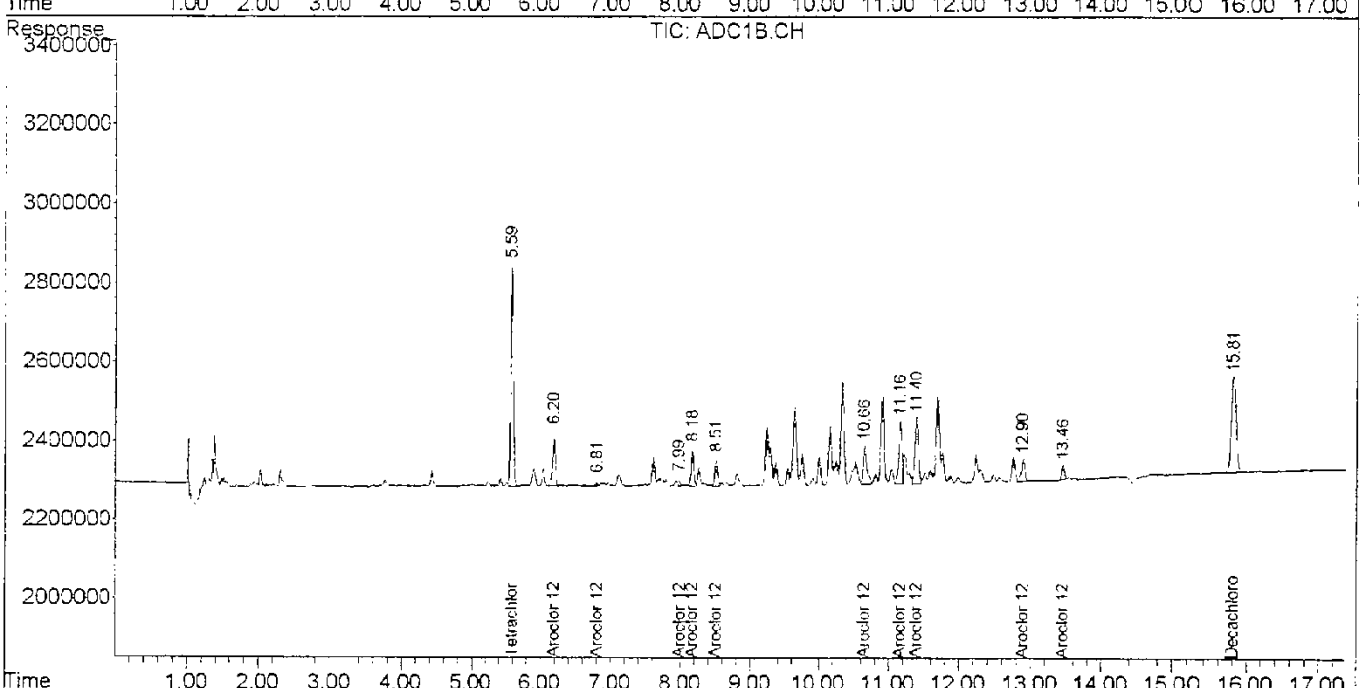
Quantitation Report (Not Reviewed)

Signal #1 : Z:\DATA\021705_A\PCB4137.D\ADC1A.CH Vial: 10
Signal #2 : Z:\DATA\021705_A\PCB4137.D\ADC1B.CH
Acq On : 17 Feb 2005 6:49 pm Operator: STM
Sample : 100ng/ml 1221/1254 ical 561-157-9 Inst : Dual Colu
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 18 12:58 2005 Quant Results File: 42600217.RES

Quant Method : Z:\METHODS\42600217.M (Chemstation Integrator)
Title : PCBs by USEPA Method 8082
Last Update : Fri Feb 18 12:52:28 2005
Response via : Multiple Level Calibration
DataAcq Meth : PCB_RUN.M

Volume Inj. : 1.5ul
Signal #1 Phase : DB-35MS Signal #2 Phase: DB-XLB
Signal #1 Info : 0.320mm x 0.25um Signal #2 Info : 0.320mm x 0.50um





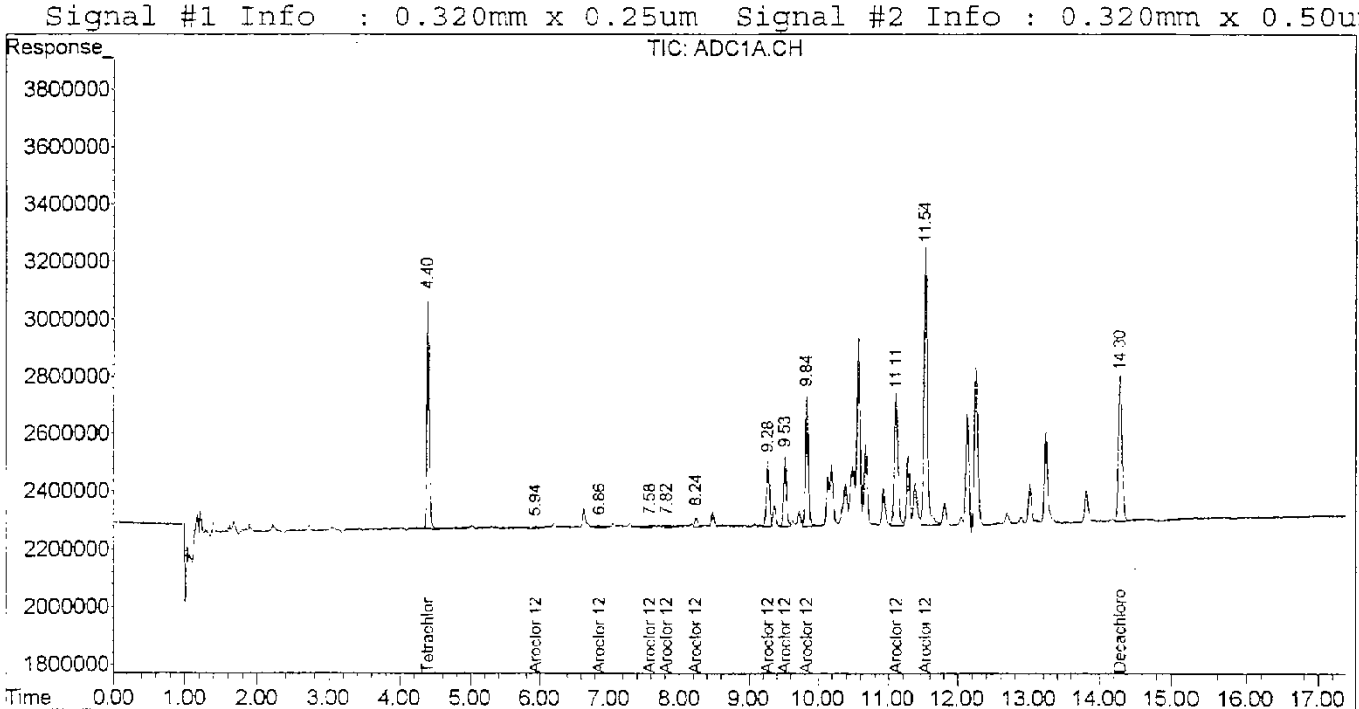
01341

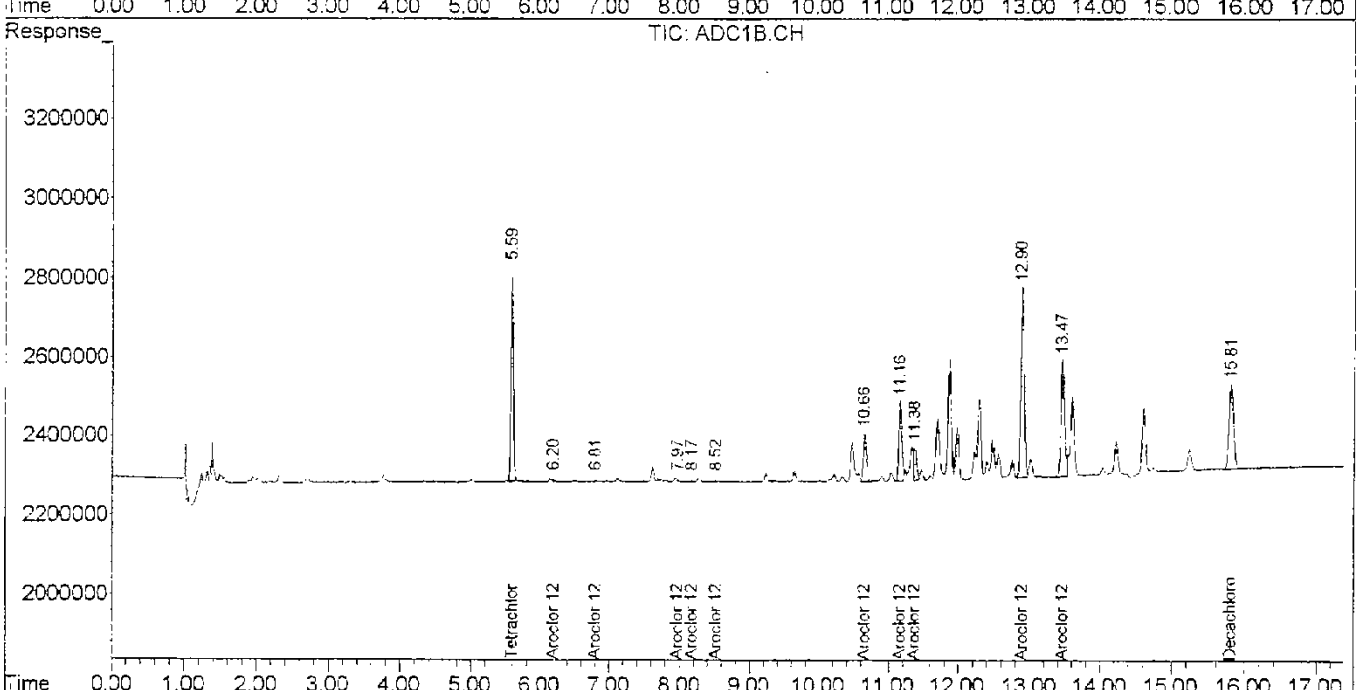
Quantitation Report (Not Reviewed)

Signal #1 : Z:\DATA\021705_A\PCB4145.D\ADC1A.CH Vial: 18
Signal #2 : Z:\DATA\021705_A\PCB4145.D\ADC1B.CH
Acq On : 17 Feb 2005 9:29 pm Operator: STM
Sample : 100ng/ml 1262 ical 561-159-4 Inst : Dual Colu
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 18 12:57 2005 Quant Results File: 42600217.RES

Quant Method : Z:\METHODS\42600217.M (Chemstation Integrator)
Title : PCBs by USEPA Method 8082
Last Update : Fri Feb 18 12:52:28 2005
Response via : Multiple Level Calibration
DataAcq Meth : PCB_RUN.M

Volume Inj. : 1.5ul
Signal #1 Phase : DB-35MS Signal #2 Phase: DB-XLB
Signal #1 Info : 0.320mm x 0.25um Signal #2 Info : 0.320mm x 0.50um





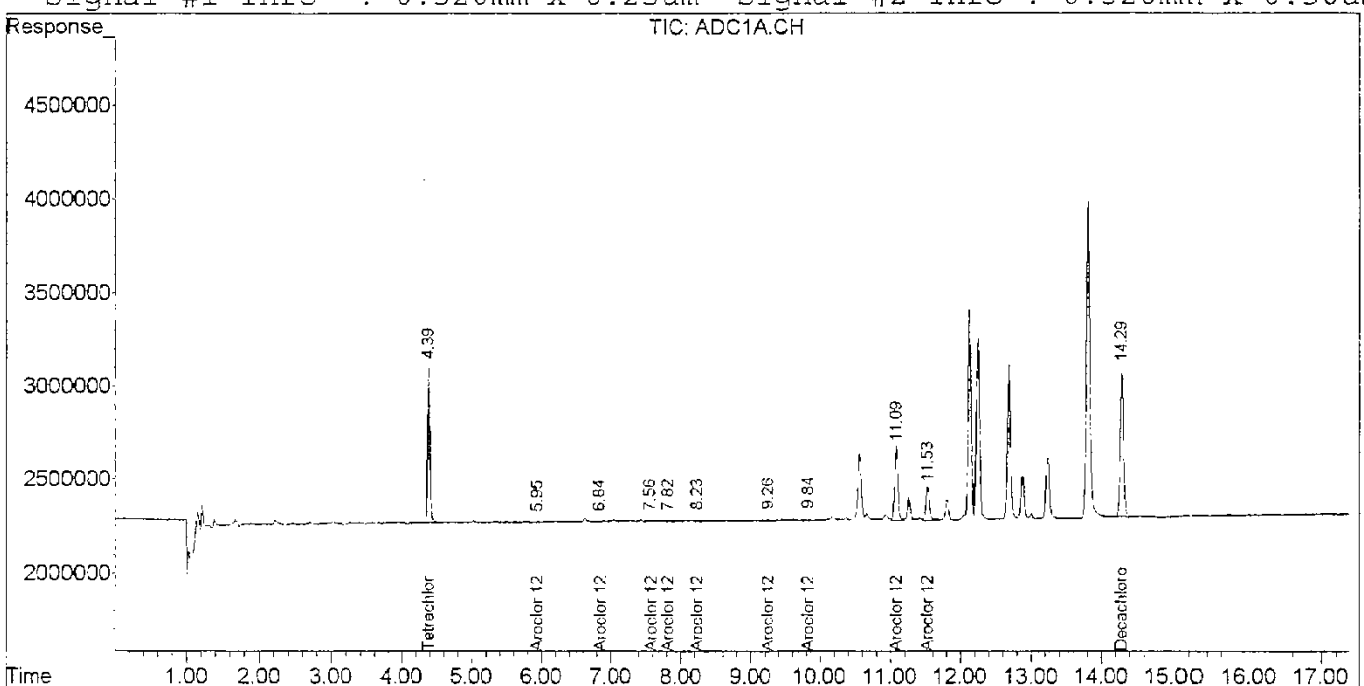
01342

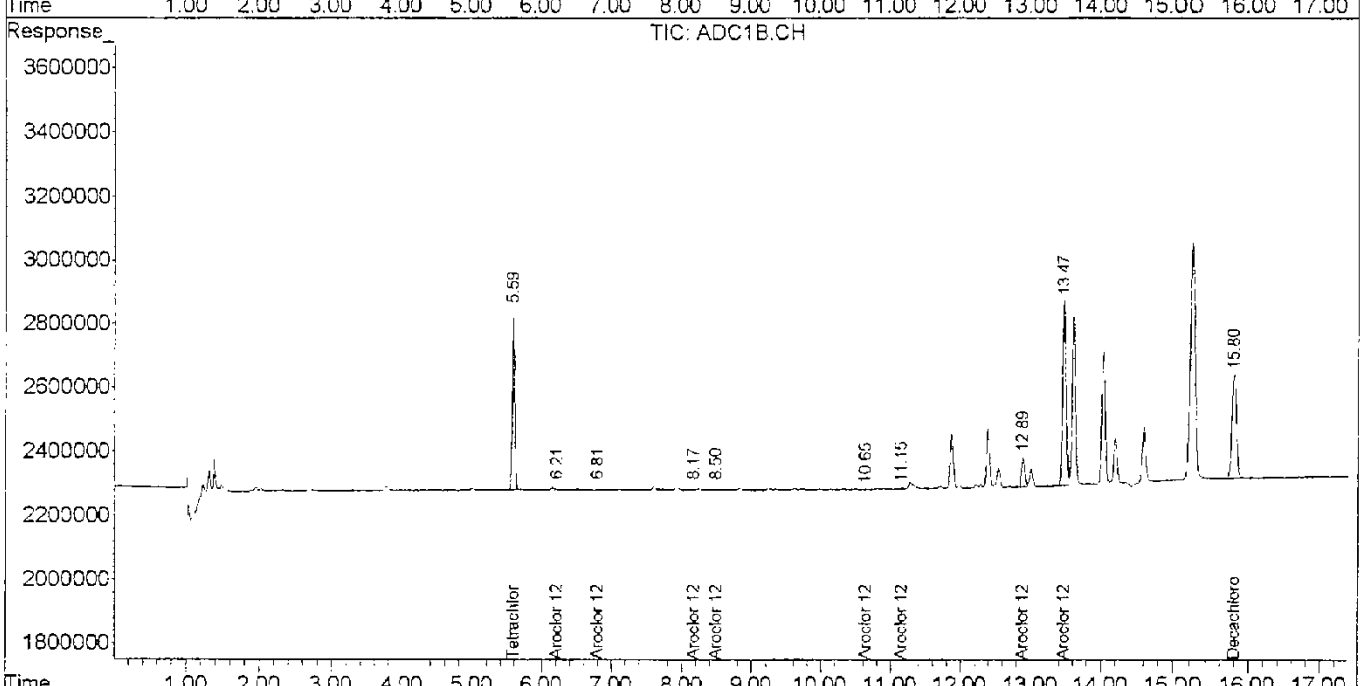
Quantitation Report (Not Reviewed)

Signal #1 : Z:\DATA\021705_A\PCB4146.D\ADC1A.CH Vial: 19
Signal #2 : Z:\DATA\021705_A\PCB4146.D\ADC1B.CH
Acq On : 17 Feb 2005 9:48 pm Operator: STM
Sample : 100ng/ml 1268 ical 561-162-6 Inst : Dual Colu
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 18 12:57 2005 Quant Results File: 42600217.RES

Quant Method : Z:\METHODS\42600217.M (Chemstation Integrator)
Title : PCBs by USEPA Method 8082
Last Update : Fri Feb 18 12:52:28 2005
Response via : Multiple Level Calibration
DataAcq Meth : PCB_RUN.M

Volume Inj. : 1.5ul
Signal #1 Phase : DB-35MS Signal #2 Phase: DB-XLB
Signal #1 Info : 0.320mm x 0.25um Signal #2 Info : 0.320mm x 0.50um





01343

CONTINUING CALIBRATION

Sequence Log

Directory : z:\Data\030105_A

#	Filename	Sample Name	Date/Time
1	pcb4406.d	100ng/ml 1242/1260 ccv 561-164-4	03/01/05 20:34
2	pcb4408.d	PB0911 mb #10 &10	03/01/05 21:14
3	pcb4409.d	PB0911 bs #10 &10	03/01/05 21:34
4	pcb4410.d	PB0911 bsd #10 &10	03/01/05 21:54
5	pcb4411.d	126377-1 &10	03/01/05 22:14
6	pcb4412.d	126377-2 &10	03/01/05 22:34
7	pcb4413.d	126377-3 &10	03/01/05 22:54
8	pcb4414.d	126377-4 &10	03/01/05 23:14
9	pcb4415.d	126377-6 &10	03/01/05 23:33
10	pcb4416.d	126377-6 ms &10	03/01/05 23:53
11	pcb4417.d	126377-6 msd &10	03/02/05 00:13
12	pcb4420.d	100ng/ml 1242/1260 ccv 561-164-4	03/02/05 01:13
13	pcb4422.d	126377-5 &10	03/02/05 01:53
14	pcb4423.d	126377-7 &10	03/02/05 02:14
15	pcb4424.d	126377-8 &10	03/02/05 02:33
16	pcb4427.d	100ng/ml 1242/1260 ccv 561-164-4	03/02/05 03:33

Quantitation Report (Not Reviewed)

Signal #1 : Z:\DATA\030105_A\PCB4406.D\ADC1A.CH Vial: 13
Signal #2 : Z:\DATA\030105_A\PCB4406.D\ADC1B.CH
Acq On : 1 Mar 2005 8:34 pm Operator: STM
Sample : 100ng/ml 1242/1260 ccv 561-164-4 Inst : Dual Colu
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Mar 02 09:40:27 2005 Quant Results File: 42600217.RES

Quant Method : Z:\METHODS\42600217.M (Chemstation Integrator)
Title : PCBs by USEPA Method 8082
Last Update : Fri Feb 18 12:52:28 2005
Response via : Initial Calibration
DataAcq Meth : PCB_RUN.M

Volume Inj. : 1.5ul
Signal #1 Phase : DB-35MS Signal #2 Phase: DB-XLB
Signal #1 Info : 0.320mm x 0.25um Signal #2 Info : 0.320mm x 0.50um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) S Tetrachloro-m-xy	4.40	5.60	21291189	13155795	9.115	9.151
Spiked Amount 20.000			Recovery	=	45.57%	45.76%
14) S Decachlorobiphen	14.30	15.83	19325062	9744800	9.733	9.600
Spiked Amount 20.000			Recovery	=	48.67%	48.00%
Target Compounds						
2) L3 Aroclor 1242	5.95	6.20	5272414	2368855	91.746	95.225
3) L3 Aroclor 1242 {2}	6.85	6.81	5776809	2243348	96.200	101.464
4) L3 Aroclor 1242 {3}	7.58	7.98	3810098	3218263	95.238	99.479
5) L3 Aroclor 1242 {4}	7.82	8.18	3923155	1713123	91.046	95.043
6) L3 Aroclor 1242 {5}	8.24	8.51	6856553	2183248	93.743	93.353
7) L3 Aroclor 1242 - T	0.00	0.00	25639028	11726837	93.657m	97.117m
8) L4 Aroclor 1260	9.26	10.66	10252631	4972648	93.142	96.669
9) L4 Aroclor 1260 {2}	9.52	11.17	9731498	8348647	96.515	91.978
10) L4 Aroclor 1260 {3}	9.83	11.40	19760418	6359928	97.046	107.454
11) L4 Aroclor 1260 {4}	11.11	12.91	12312666	12994824	98.266	92.192
12) L4 Aroclor 1260 {5}	11.54	13.48	29489855	7933175	102.379	95.956
13) L4 Aroclor 1260 - T	0.00	0.00	81547069	40609221	98.503m	95.546m

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

01346

Evaluate Continuing Calibration Report

Signal #1 : Z:\DATA\030105_A\PCB4406.D\ADC1A.CH Vial: 13
Signal #2 : Z:\DATA\030105_A\PCB4406.D\ADC1B.CH
Acq On : 1 Mar 2005 8:34 pm Operator: STM
Sample : 100ng/ml 1242/1260 ccv 561-164-4 Inst : Dual Colu
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E

Method : Z:\METHODS\42600217.M (Chemstation Integrator)
Title : PCBs by USEPA Method 8082
Last Update : Fri Feb 18 12:52:28 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	S	Tetrachloro-m-xylene (S)	10.000	9.115	8.8	0	0.01
2	L1	Aroclor 1242	100.000	91.746	8.3	0	0.00
3	L1	Aroclor 1242 {2}	100.000	96.200	3.8	0	0.00
4	L1	Aroclor 1242 {3}	100.000	95.238	4.8	0	0.00
5	L1	Aroclor 1242 {4}	100.000	91.046	9.0	0	0.00
6	L1	Aroclor 1242 {5}	100.000	93.743	6.3	0	0.00
7	L1	Aroclor 1242 - Total	100.000	93.657	6.3	0	-0.61#
8	L2	Aroclor 1260	100.000	93.142	6.9	0	0.00
9	L2	Aroclor 1260 {2}	100.000	96.515	3.5	0	0.00
10	L2	Aroclor 1260 {3}	100.000	97.046	3.0	0	0.00
11	L2	Aroclor 1260 {4}	100.000	98.266	1.7	0	0.00
12	L2	Aroclor 1260 {5}	100.000	102.379	-2.4	0	0.00
13	L2	Aroclor 1260 - Total	100.000	98.503	1.5	0	-0.61#
14	S	Decachlorobiphenyl (S)	10.000	9.733	2.7	0	0.00

Signal #2

1	S	Tetrachloro-m-xylene (S)	10.000	9.151	8.5	0	0.01
2	L3	Aroclor 1242	100.000	95.225	4.8	0	0.01
3	L3	Aroclor 1242 {2}	100.000	101.464	-1.5	0	0.00
4	L3	Aroclor 1242 {3}	100.000	99.479	0.5	0	0.00
5	L3	Aroclor 1242 {4}	100.000	95.043	5.0	0	0.01
6	L3	Aroclor 1242 {5}	100.000	93.353	6.6	0	0.01
7	L3	Aroclor 1242 - Total	100.000	97.117	2.9	0	-0.61#
8	L4	Aroclor 1260	100.000	96.669	3.3	0	0.01
9	L4	Aroclor 1260 {2}	100.000	91.978	8.0	0	0.01
10	L4	Aroclor 1260 {3}	100.000	107.454	-7.5	0	0.01
11	L4	Aroclor 1260 {4}	100.000	92.192	7.8	0	0.01
12	L4	Aroclor 1260 {5}	100.000	95.956	4.0	0	0.02
13	L4	Aroclor 1260 - Total	100.000	95.546	4.5	0	-0.61#
14	S	Decachlorobiphenyl (S)	10.000	9.600	4.0	0	0.03

(#) = Out of Range SPCC's out = 0 CCC's out = 0

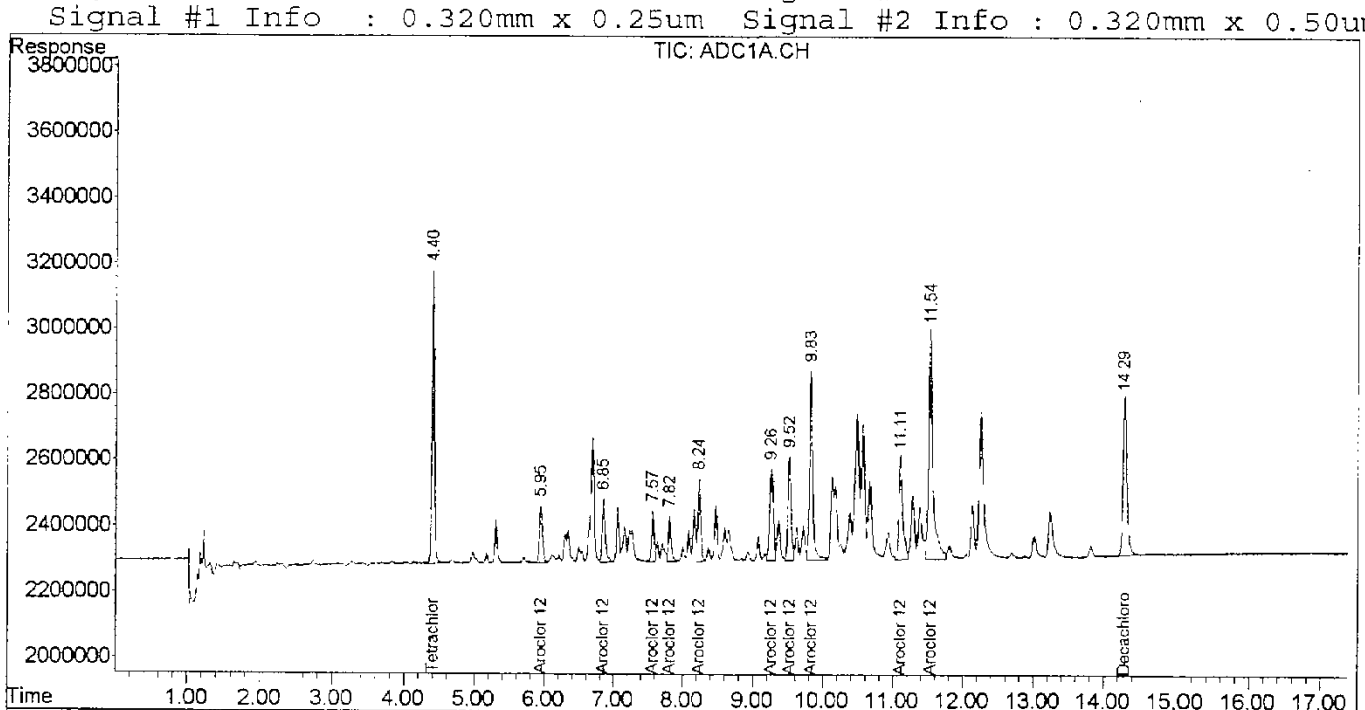
01347

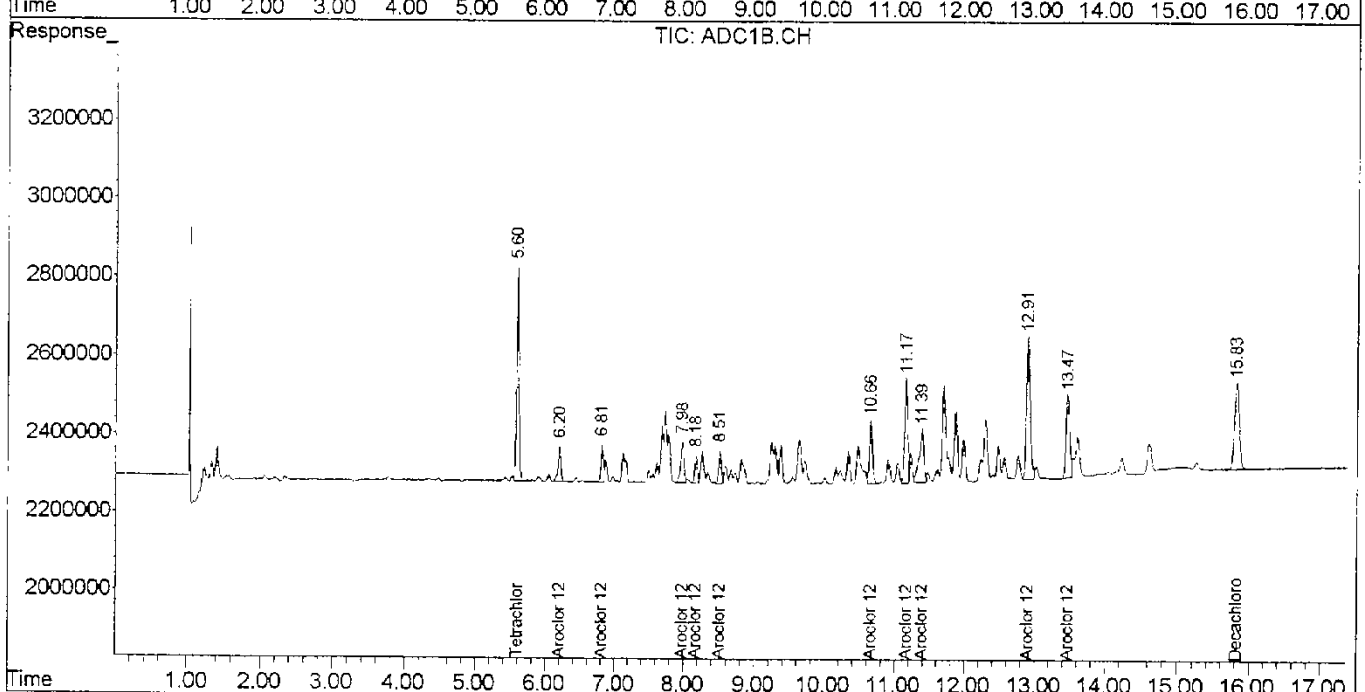
Quantitation Report (Not Reviewed)

Signal #1 : Z:\DATA\030105_A\PCB4406.D\ADC1A.CH Vial: 13
Signal #2 : Z:\DATA\030105_A\PCB4406.D\ADC1B.CH
Acq On : 1 Mar 2005 8:34 pm Operator: STM
Sample : 100ng/ml 1242/1260 ccv 561-164-4 Inst : Dual Colu
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Mar 2 9:40 2005 Quant Results File: 42600217.RES

Quant Method : Z:\METHODS\42600217.M (Chemstation Integrator)
Title : PCBs by USEPA Method 8082
Last Update : Fri Feb 18 12:52:28 2005
Response via : Multiple Level Calibration
DataAcq Meth : PCB_RUN.M

Volume Inj. : 1.5ul
Signal #1 Phase : DB-35MS Signal #2 Phase: DB-XLB
Signal #1 Info : 0.320mm x 0.25um Signal #2 Info : 0.320mm x 0.50um





01348

Quantitation Report (Not Reviewed)

Signal #1 : Z:\DATA\030105_A\PCB4420.D\ADC1A.CH Vial: 27
Signal #2 : Z:\DATA\030105_A\PCB4420.D\ADC1B.CH
Acq On : 2 Mar 2005 1:13 am Operator: STM
Sample : 100ng/ml 1242/1260 ccv 561-164-4 Inst : Dual Colu
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Mar 02 09:42:39 2005 Quant Results File: 42600217.RES

Quant Method : Z:\METHODS\42600217.M (Chemstation Integrator)
Title : PCBs by USEPA Method 8082
Last Update : Fri Feb 18 12:52:28 2005
Response via : Initial Calibration
DataAcq Meth : PCB_RUN.M

Volume Inj. : 1.5ul
Signal #1 Phase : DB-35MS Signal #2 Phase: DB-XLB
Signal #1 Info : 0.320mm x 0.25um Signal #2 Info : 0.320mm x 0.50um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) S Tetrachloro-m-xy	4.41	5.61	21887350	13182917	9.370	9.170
Spiked Amount 20.000			Recovery	=	46.85%	45.85%
14) S Decachlorobiphen	14.30	15.84	19011124	9414216	9.575	9.274
Spiked Amount 20.000			Recovery	=	47.87%	46.37%
Target Compounds						
2) L3 Aroclor 1242	5.96	6.21	5455398	2357160	94.931	94.755
3) L3 Aroclor 1242 {2}	6.86	6.82	5733940	2235342	95.486	101.102
4) L3 Aroclor 1242 {3}	7.59	7.99	3851082	2916036	96.262	90.137
5) L3 Aroclor 1242 {4}	7.83	8.19	3916603	1642605	90.894	91.130
6) L3 Aroclor 1242 {5}	8.25	8.52	6773892	2103177	92.613	89.930
7) L3 Aroclor 1242 - T	0.00	0.00	25730915	11254319	93.992m	93.204m
8) L4 Aroclor 1260	9.28	10.67	10102217	4859595	91.776	94.472
9) L4 Aroclor 1260 {2}	9.53	11.18	9607877	8068871	95.289	88.896
10) L4 Aroclor 1260 {3}	9.84	11.41	19362823	5429014	95.094	91.726
11) L4 Aroclor 1260 {4}	11.12	12.91	11947197	12447737	95.349	88.311
12) L4 Aroclor 1260 {5}	11.55	13.48	29294194	7439827	101.700	89.989
13) L4 Aroclor 1260 - T	0.00	0.00	80314309	38245043	97.014m	89.983m

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

01349

Evaluate Continuing Calibration Report

Signal #1 : Z:\DATA\030105_A\PCB4420.D\ADC1A.CH Vial: 27
Signal #2 : Z:\DATA\030105_A\PCB4420.D\ADC1B.CH
Acq On : 2 Mar 2005 1:13 am Operator: STM
Sample : 100ng/ml 1242/1260 ccv 561-164-4 Inst : Dual Colu
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E

Method : Z:\METHODS\42600217.M (Chemstation Integrator)
Title : PCBs by USEPA Method 8082
Last Update : Fri Feb 18 12:52:28 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	S	Tetrachloro-m-xylene (S)	10.000	9.370	6.3	0	0.02
2	L1	Aroclor 1242	100.000	94.931	5.1	0	0.02
3	L1	Aroclor 1242 {2}	100.000	95.486	4.5	0	0.01
4	L1	Aroclor 1242 {3}	100.000	96.262	3.7	0	0.01
5	L1	Aroclor 1242 {4}	100.000	90.894	9.1	0	0.01
6	L1	Aroclor 1242 {5}	100.000	92.613	7.4	0	0.00
7	L1	Aroclor 1242 - Total	100.000	93.992	6.0	0	-0.61#
8	L2	Aroclor 1260	100.000	91.776	8.2	0	0.01
9	L2	Aroclor 1260 {2}	100.000	95.289	4.7	0	0.00
10	L2	Aroclor 1260 {3}	100.000	95.094	4.9	0	0.00
11	L2	Aroclor 1260 {4}	100.000	95.349	4.7	0	0.00
12	L2	Aroclor 1260 {5}	100.000	101.700	-1.7	0	0.01
13	L2	Aroclor 1260 - Total	100.000	97.014	3.0	0	-0.61#
14	S	Decachlorobiphenyl (S)	10.000	9.575	4.3	0	0.02

Signal #2

1	S	Tetrachloro-m-xylene (S)	10.000	9.170	8.3	0	0.02
2	L3	Aroclor 1242	100.000	94.755	5.2	0	0.02
3	L3	Aroclor 1242 {2}	100.000	101.102	-1.1	0	0.02
4	L3	Aroclor 1242 {3}	100.000	90.137	9.9	0	0.02
5	L3	Aroclor 1242 {4}	100.000	91.130	8.9	0	0.02
6	L3	Aroclor 1242 {5}	100.000	89.930	10.1	0	0.02
7	L3	Aroclor 1242 - Total	100.000	93.204	6.8	0	-0.61#
8	L4	Aroclor 1260	100.000	94.472	5.5	0	0.02
9	L4	Aroclor 1260 {2}	100.000	88.896	11.1	0	0.02
10	L4	Aroclor 1260 {3}	100.000	91.726	8.3	0	0.02
11	L4	Aroclor 1260 {4}	100.000	88.311	11.7	0	0.02
12	L4	Aroclor 1260 {5}	100.000	89.989	10.0	0	0.03
13	L4	Aroclor 1260 - Total	100.000	89.983	10.0	0	-0.61#
14	S	Decachlorobiphenyl (S)	10.000	9.274	7.3	0	0.03

(#) = Out of Range SPCC's out = 0 CCC's out = 0

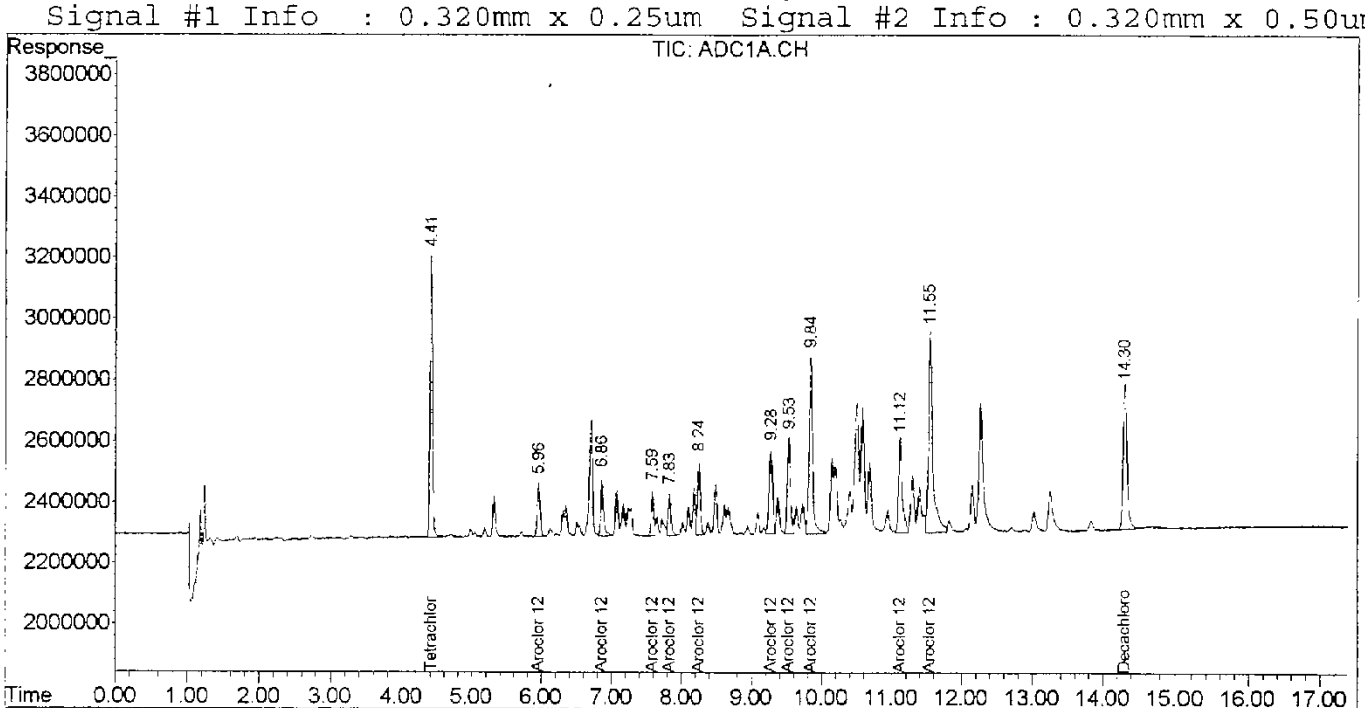
01350

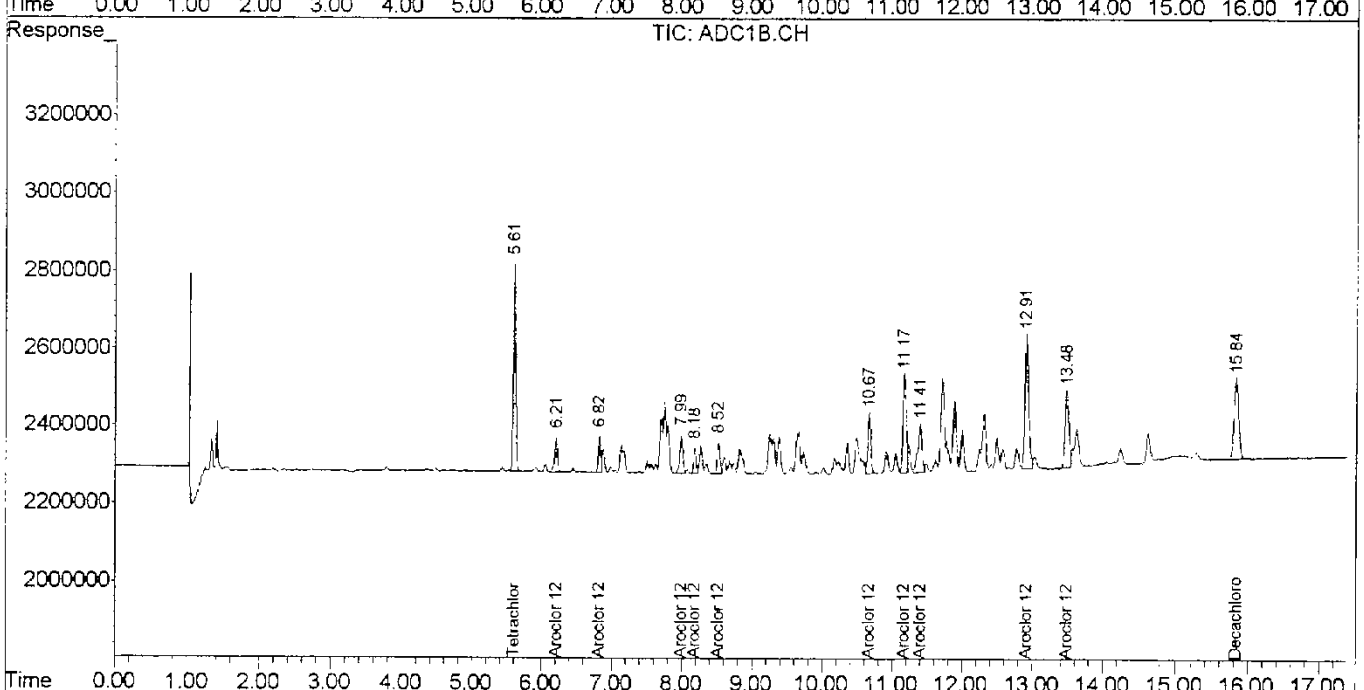
Quantitation Report (Not Reviewed)

Signal #1 : Z:\DATA\030105_A\PCB4420.D\ADC1A.CH Vial: 27
Signal #2 : Z:\DATA\030105_A\PCB4420.D\ADC1B.CH
Acq On : 2 Mar 2005 1:13 am Operator: STM
Sample : 100ng/ml 1242/1260 ccv 561-164-4 Inst : Dual Colu
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Mar 2 9:42 2005 Quant Results File: 42600217.RES

Quant Method : Z:\METHODS\42600217.M (Chemstation Integrator)
Title : PCBs by USEPA Method 8082
Last Update : Fri Feb 18 12:52:28 2005
Response via : Multiple Level Calibration
DataAcq Meth : PCB_RUN.M

Volume Inj. : 1.5ul
Signal #1 Phase : DB-35MS Signal #2 Phase: DB-XLB
Signal #1 Info : 0.320mm x 0.25um Signal #2 Info : 0.320mm x 0.50um





01351

Quantitation Report (Not Reviewed)

Signal #1 : Z:\DATA\030105_A\PCB4427.D\ADC1A.CH Vial: 34
Signal #2 : Z:\DATA\030105_A\PCB4427.D\ADC1B.CH
Acq On : 2 Mar 2005 3:33 am Operator: STM
Sample : 100ng/ml 1242/1260 ccv 561-164-4 Inst : Dual Colu
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Mar 02 12:46:49 2005 Quant Results File: 42600217.RES

Quant Method : Z:\METHODS\42600217.M (Chemstation Integrator)
Title : PCBs by USEPA Method 8082
Last Update : Fri Feb 18 12:52:28 2005
Response via : Initial Calibration
DataAcq Meth : PCB_RUN.M

Volume Inj. : 1.5ul
Signal #1 Phase : DB-35MS Signal #2 Phase: DB-XLB
Signal #1 Info : 0.320mm x 0.25um Signal #2 Info : 0.320mm x 0.50um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) S Tetrachloro-m-xy	4.41	5.60	20900487	12529110	8.948	8.715
Spiked Amount 20.000			Recovery	=	44.74%	43.57%
14) S Decachlorobiphen	14.30	15.83	18788371	9299345	9.462	9.161
Spiked Amount 20.000			Recovery	=	47.31%	45.80%
Target Compounds						
2) L3 Aroclor 1242	5.95	6.20	5262752	2267085	91.578	91.134
3) L3 Aroclor 1242 {2}	6.85	6.82	5475814	2128336	91.187	96.262
4) L3 Aroclor 1242 {3}	7.58	7.99	3717532	2831341	92.924	87.519
5) L3 Aroclor 1242 {4}	7.82	8.18	3848265	1614017	89.308	89.544
6) L3 Aroclor 1242 {5}	8.24	8.52	6695171	2029216	91.537	86.767
7) L3 Aroclor 1242 - T	0.00	0.00	24999535	10869994	91.321m	90.021m
8) L4 Aroclor 1260	9.27	10.67	10019820	4667987	91.027	90.747
9) L4 Aroclor 1260 {2}	9.52	11.17	9622522	7901894	95.435	87.056
10) L4 Aroclor 1260 {3}	9.84	11.40	19517432	5304973	95.853	89.630
11) L4 Aroclor 1260 {4}	11.11	12.91	11879356	12249783	94.808	86.907
12) L4 Aroclor 1260 {5}	11.54	13.48	29067841	7438305	100.914	89.971
13) L4 Aroclor 1260 - T	0.00	0.00	80106972	37562942	96.763m	88.379m

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

01352

Evaluate Continuing Calibration Report

Signal #1 : Z:\DATA\030105_A\PCB4427.D\ADC1A.CH Vial: 34
Signal #2 : Z:\DATA\030105_A\PCB4427.D\ADC1B.CH
Acq On : 2 Mar 2005 3:33 am Operator: STM
Sample : 100ng/ml 1242/1260 ccv 561-164-4 Inst : Dual Colu
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E

Method : Z:\METHODS\42600217.M (Chemstation Integrator)
Title : PCBs by USEPA Method 8082
Last Update : Fri Feb 18 12:52:28 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	S	Tetrachloro-m-xylene (S)	10.000	8.948	10.5	0	0.02
2	L1	Aroclor 1242	100.000	91.578	8.4	0	0.01
3	L1	Aroclor 1242 {2}	100.000	91.187	8.8	0	0.00
4	L1	Aroclor 1242 {3}	100.000	92.924	7.1	0	0.00
5	L1	Aroclor 1242 {4}	100.000	89.308	10.7	0	0.00
6	L1	Aroclor 1242 {5}	100.000	91.537	8.5	0	0.00
7	L1	Aroclor 1242 - Total	100.000	91.321	8.7	0	-0.61#
8	L2	Aroclor 1260	100.000	91.027	9.0	0	0.00
9	L2	Aroclor 1260 {2}	100.000	95.435	4.6	0	0.00
10	L2	Aroclor 1260 {3}	100.000	95.853	4.1	0	0.00
11	L2	Aroclor 1260 {4}	100.000	94.808	5.2	0	0.00
12	L2	Aroclor 1260 {5}	100.000	100.914	-0.9	0	0.00
13	L2	Aroclor 1260 - Total	100.000	96.763	3.2	0	-0.61#
14	S	Decachlorobiphenyl (S)	10.000	9.462	5.4	0	0.01

Signal #2

1	S	Tetrachloro-m-xylene (S)	10.000	8.715	12.9	0	0.02
2	L3	Aroclor 1242	100.000	91.134	8.9	0	0.01
3	L3	Aroclor 1242 {2}	100.000	96.262	3.7	0	0.01
4	L3	Aroclor 1242 {3}	100.000	87.519	12.5	0	0.01
5	L3	Aroclor 1242 {4}	100.000	89.544	10.5	0	0.01
6	L3	Aroclor 1242 {5}	100.000	86.767	13.2	0	0.01
7	L3	Aroclor 1242 - Total	100.000	90.021	10.0	0	-0.61#
8	L4	Aroclor 1260	100.000	90.747	9.3	0	0.01
9	L4	Aroclor 1260 {2}	100.000	87.056	12.9	0	0.01
10	L4	Aroclor 1260 {3}	100.000	89.630	10.4	0	0.02
11	L4	Aroclor 1260 {4}	100.000	86.907	13.1	0	0.02
12	L4	Aroclor 1260 {5}	100.000	89.971	10.0	0	0.02
13	L4	Aroclor 1260 - Total	100.000	88.379	11.6	0	-0.61#
14	S	Decachlorobiphenyl (S)	10.000	9.161	8.4	0	0.03

(#) = Out of Range SPCC's out = 0 CCC's out = 0

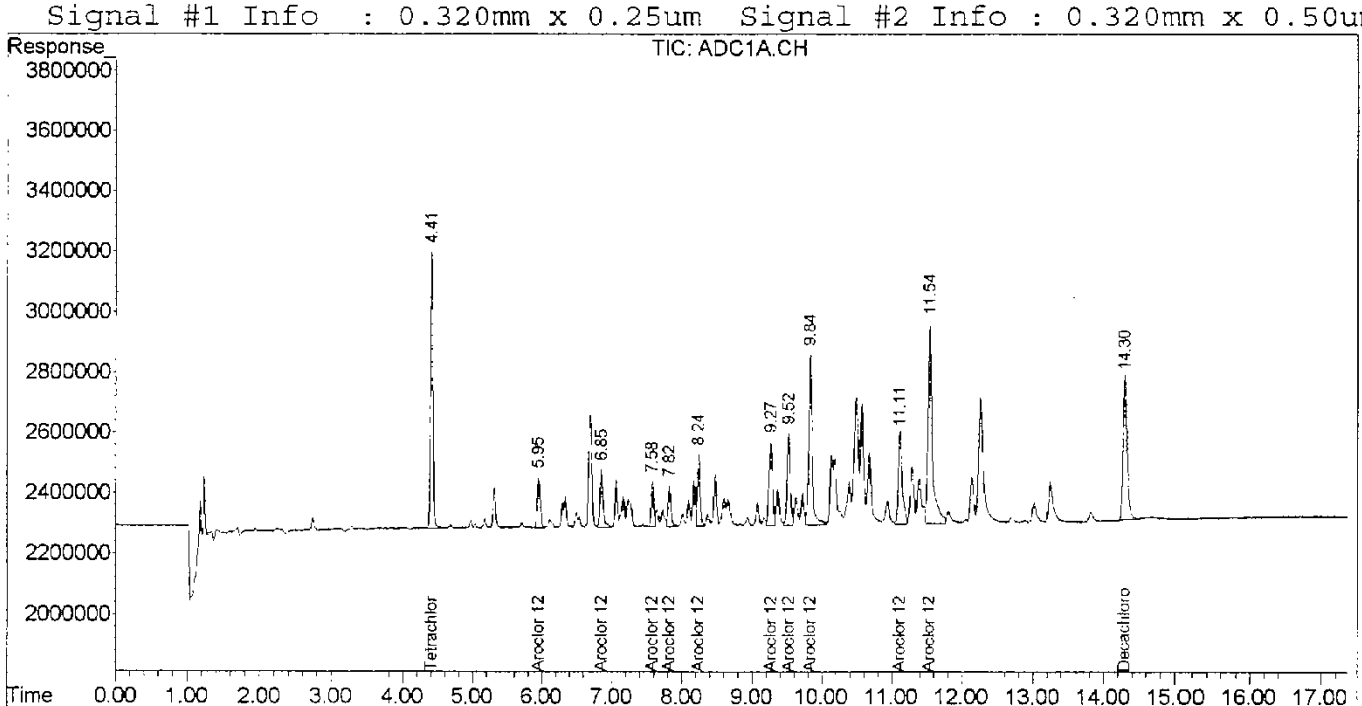
01353

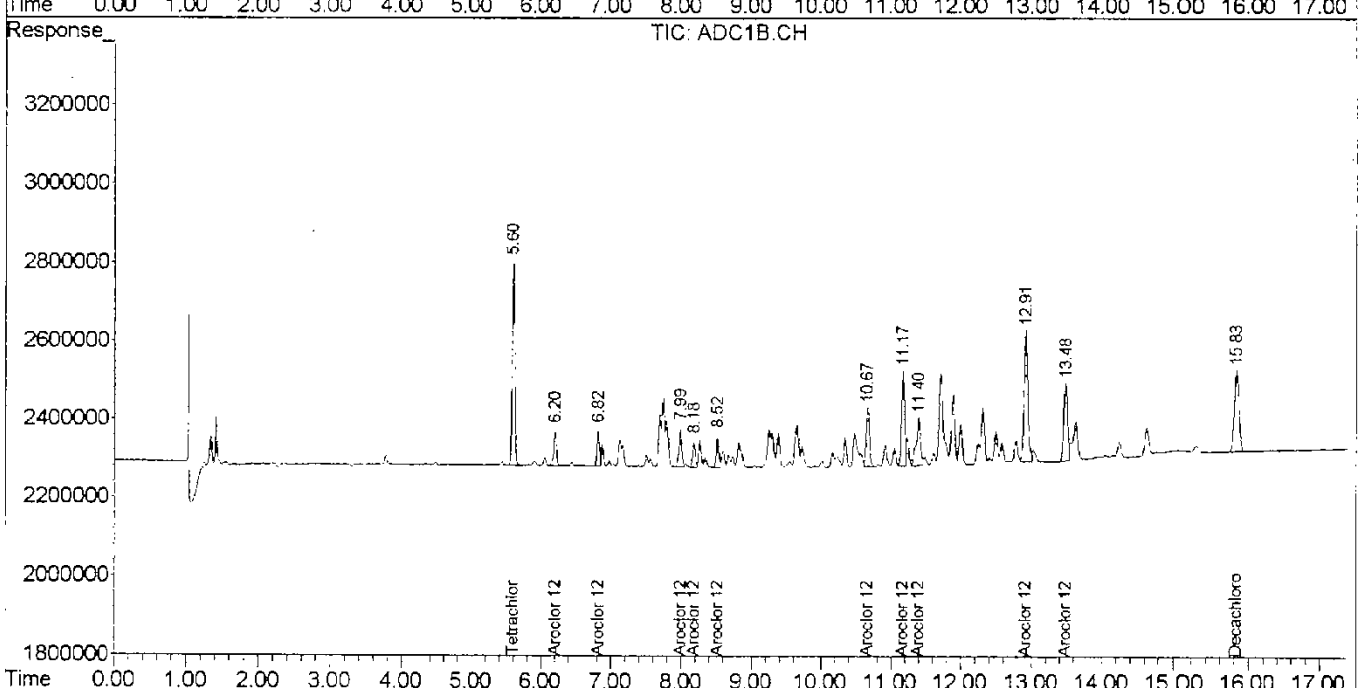
Quantitation Report (Not Reviewed)

Signal #1 : Z:\DATA\030105_A\PCB4427.D\ADC1A.CH Vial: 34
Signal #2 : Z:\DATA\030105_A\PCB4427.D\ADC1B.CH
Acq On : 2 Mar 2005 3:33 am Operator: STM
Sample : 100ng/ml 1242/1260 ccv 561-164-4 Inst : Dual Colu
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Mar 2 12:46 2005 Quant Results File: 42600217.RES

Quant Method : Z:\METHODS\42600217.M (Chemstation Integrator)
Title : PCBs by USEPA Method 8082
Last Update : Fri Feb 18 12:52:28 2005
Response via : Multiple Level Calibration
DataAcq Meth : PCB_RUN.M

Volume Inj. : 1.5ul
Signal #1 Phase : DB-35MS Signal #2 Phase: DB-XLB
Signal #1 Info : 0.320mm x 0.25um Signal #2 Info : 0.320mm x 0.50um





01354

METHOD BLANK

Quantitation Report (Not Reviewed)

Signal #1 : Z:\DATA\030105_A\PCB4408.D\ADC1A.CH Vial: 15
Signal #2 : Z:\DATA\030105_A\PCB4408.D\ADC1B.CH
Acq On : 1 Mar 2005 9:14 pm Operator: STM
Sample : PB0911 mb #10 &10 Inst : Dual Colu
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Mar 02 09:41:14 2005 Quant Results File: 42600217.RES

Quant Method : Z:\METHODS\42600217.M (Chemstation Integrator)
Title : PCBs by USEPA Method 8082
Last Update : Fri Feb 18 12:52:28 2005
Response via : Initial Calibration
DataAcq Meth : PCB_RUN.M

Volume Inj. : 1.5ul
Signal #1 Phase : DB-35MS Signal #2 Phase: DB-XLB
Signal #1 Info : 0.320mm x 0.25um Signal #2 Info : 0.320mm x 0.50um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) S Tetrachloro-m-xy	4.41	5.60	43547596	25321674	18.643	17.613
Spiked Amount 20.000			Recovery	=	93.22%	88.06%
14) S Decachlorobiphen	14.30	15.83	43331338	20589274	21.823	20.283
Spiked Amount 20.000			Recovery	=	109.12%	101.42%
Target Compounds						
2) L3 Aroclor 1242	5.94	6.16	284410	447506	4.949	17.989 #
3) L3 Aroclor 1242 {2}	0.00	0.00	0	0	N.D.	N.D.
4) L3 Aroclor 1242 {3}	7.60	0.00	113165	0	2.829	N.D. #
5) L3 Aroclor 1242 {4}	7.86	0.00	111093	0	2.578	N.D. #
6) L3 Aroclor 1242 {5}	0.00	0.00	0	0	N.D.	N.D.
7) L3 Aroclor 1242 - T	0.00	0.00	508668	447506	1.858m	3.706m#
8) L4 Aroclor 1260	9.28	0.00	215107	0	1.954	N.D. #
9) L4 Aroclor 1260 {2}	0.00	11.17	0	91998	N.D.	1.014 #
10) L4 Aroclor 1260 {3}	0.00	11.37	0	61355	N.D.	1.037 #
11) L4 Aroclor 1260 {4}	11.10	0.00	213811	0	1.706	N.D. #
12) L4 Aroclor 1260 {5}	0.00	0.00	0	0	N.D.	N.D.
13) L4 Aroclor 1260 - T	0.00	0.00	428918	153353	0.518m	0.361m

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

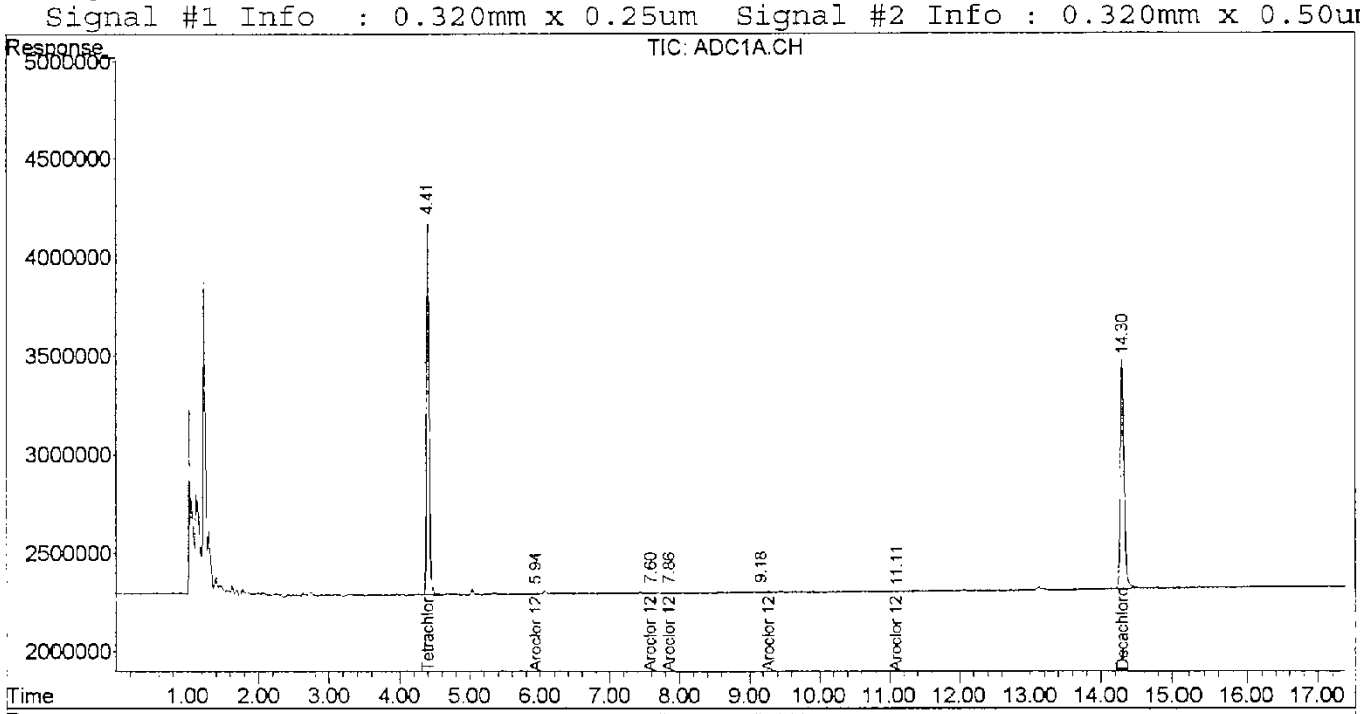
01356

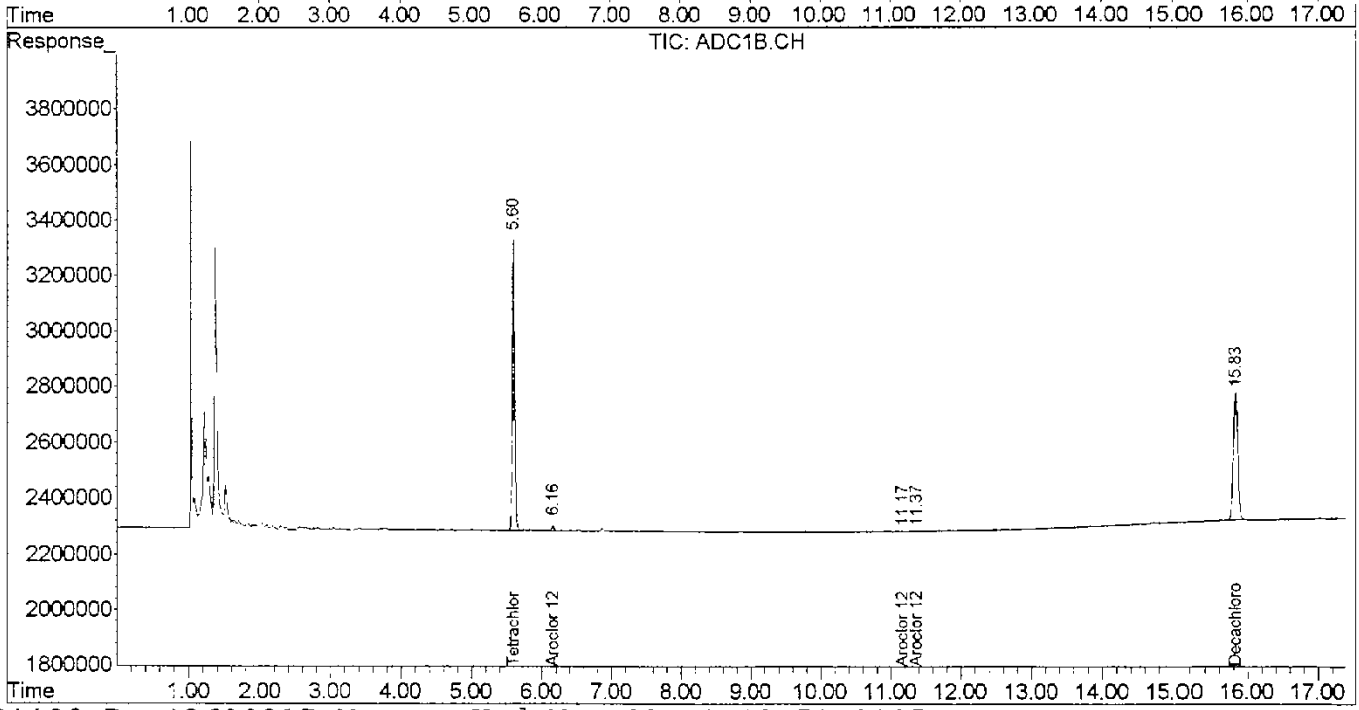
Quantitation Report (Not Reviewed)

Signal #1 : Z:\DATA\030105_A\PCB4408.D\ADC1A.CH Vial: 15
Signal #2 : Z:\DATA\030105_A\PCB4408.D\ADC1B.CH
Acq On : 1 Mar 2005 9:14 pm Operator: STM
Sample : PB0911 mb #10 &10 Inst : Dual Colu
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Mar 2 9:41 2005 Quant Results File: 42600217.RES

Quant Method : Z:\METHODS\42600217.M (Chemstation Integrator)
Title : PCBs by USEPA Method 8082
Last Update : Fri Feb 18 12:52:28 2005
Response via : Multiple Level Calibration
DataAcq Meth : PCB_RUN.M

Volume Inj. : 1.5ul
Signal #1 Phase : DB-35MS Signal #2 Phase: DB-XLB
Signal #1 Info : 0.320mm x 0.25um Signal #2 Info : 0.320mm x 0.50um





01357

BLANK SPIKE

Quantitation Report (Not Reviewed)

Signal #1 : Z:\DATA\030105_A\PCB4409.D\ADC1A.CH Vial: 16
Signal #2 : Z:\DATA\030105_A\PCB4409.D\ADC1B.CH
Acq On : 1 Mar 2005 9:34 pm Operator: STM
Sample : PB0911 bs #10 &10 Inst : Dual Colu
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Mar 02 09:41:24 2005 Quant Results File: 42600217.RES

Quant Method : Z:\METHODS\42600217.M (Chemstation Integrator)
Title : PCBs by USEPA Method 8082
Last Update : Fri Feb 18 12:52:28 2005
Response via : Initial Calibration
DataAcq Meth : PCB_RUN.M

Volume Inj. : 1.5ul
Signal #1 Phase : DB-35MS Signal #2 Phase: DB-XLB
Signal #1 Info : 0.320mm x 0.25um Signal #2 Info : 0.320mm x 0.50um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) S Tetrachloro-m-xy	4.41	5.60	42961882	24861786	18.392	17.293
Spiked Amount 20.000			Recovery	=	91.96%	86.46%
14) S Decachlorobipher	14.30	15.83	42881190	20602349	21.596	20.295
Spiked Amount 20.000			Recovery	=	107.98%	101.48%
Target Compounds						
2) L3 Aroclor 1242	5.95	6.21	5043372	2451413	87.761	98.544
3) L3 Aroclor 1242 {2}	6.86	6.82	5337196	2101359	88.879	95.042
4) L3 Aroclor 1242 {3}	7.58	7.99	3703675	2815519	92.578	87.030
5) L3 Aroclor 1242 {4}	7.82	8.18	3956992	1633968	91.831	90.651
6) L3 Aroclor 1242 {5}	8.24	8.52	6714181	2078597	91.797	88.878
7) L3 Aroclor 1242 - T	0.00	0.00	24755415	11080857	90.429m	91.768m
8) L4 Aroclor 1260	9.27	10.67	10522897	5194829	95.597	100.989
9) L4 Aroclor 1260 {2}	9.53	11.17	10297562	8627547	102.130	95.051
10) L4 Aroclor 1260 {3}	9.84	11.40	20365326	5978653	100.017	101.012
11) L4 Aroclor 1260 {4}	11.11	12.91	13107273	13763844	104.608	97.648
12) L4 Aroclor 1260 {5}	11.54	13.48	31309483	8603859	108.697	104.069
13) L4 Aroclor 1260 - T	0.00	0.00	85602539	42168732	103.401m	99.215m

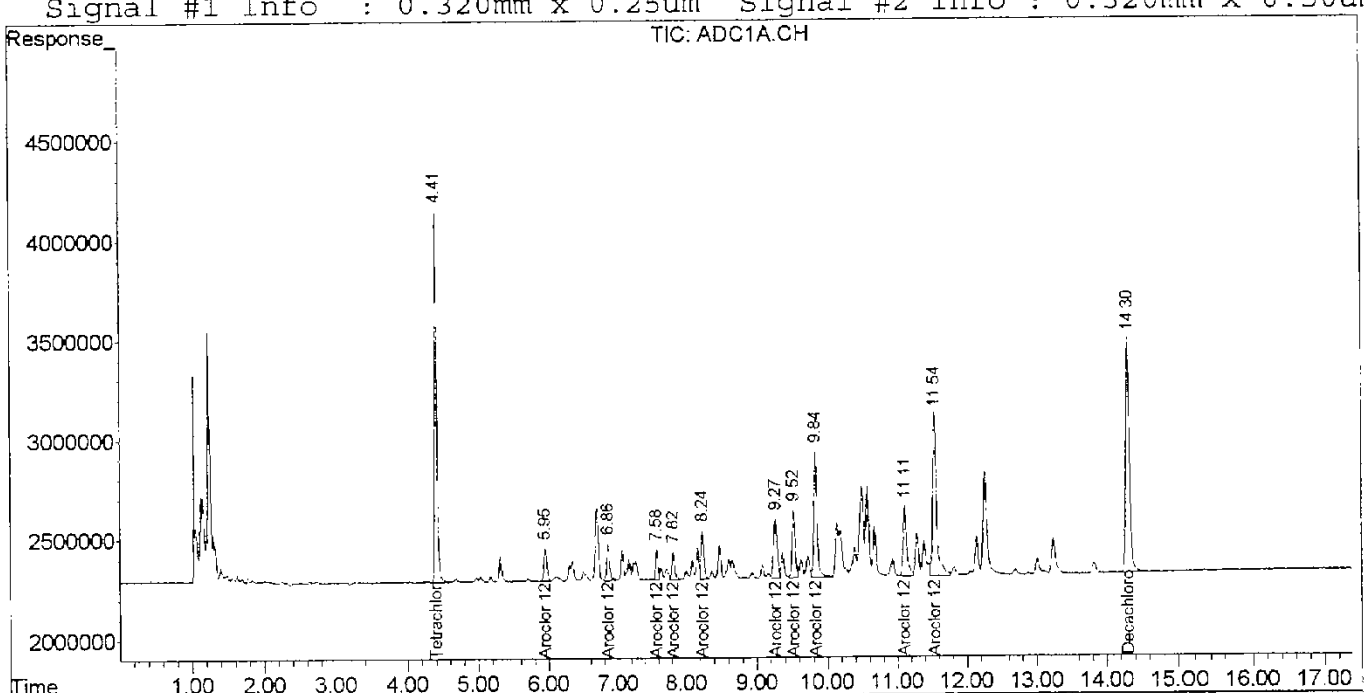
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

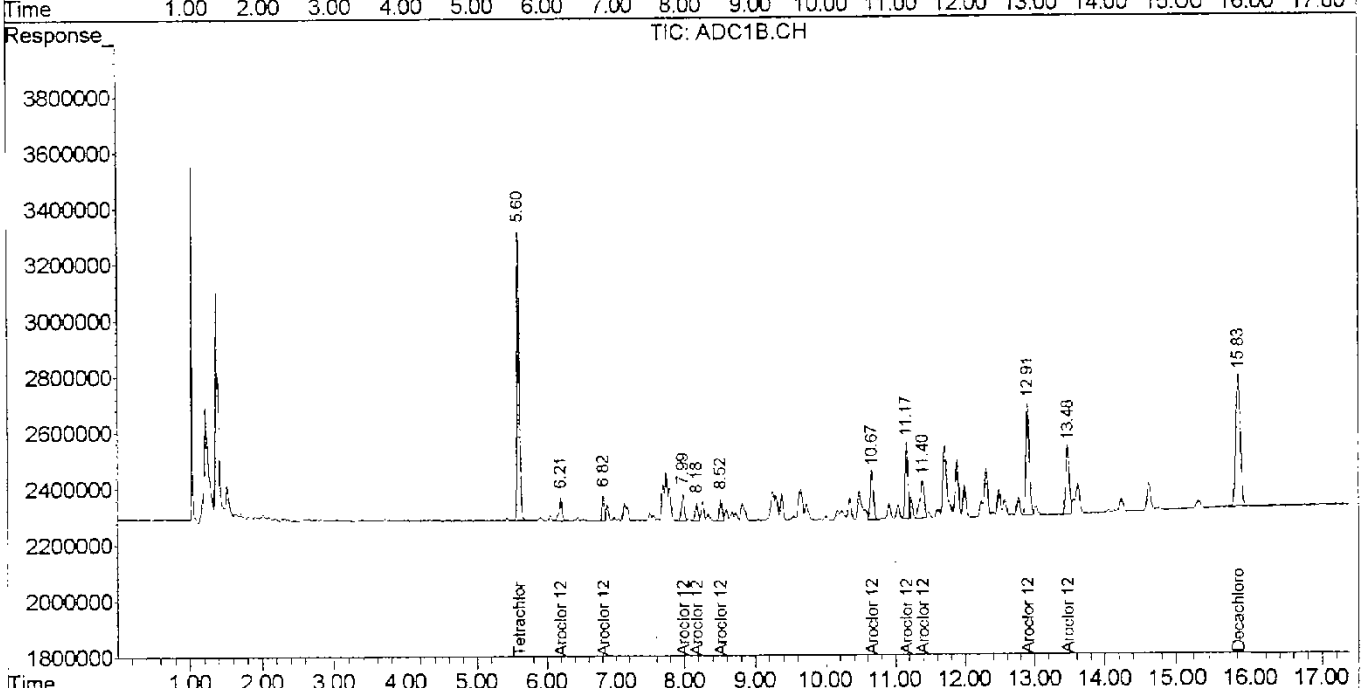
Quantitation Report (Not Reviewed)

Signal #1 : Z:\DATA\030105_A\PCB4409.D\ADC1A.CH Vial: 16
Signal #2 : Z:\DATA\030105_A\PCB4409.D\ADC1B.CH
Acq On : 1 Mar 2005 9:34 pm Operator: STM
Sample : PB0911 bs #10 &10 Inst : Dual Colu
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Mar 2 9:41 2005 Quant Results File: 42600217.RES

Quant Method : Z:\METHODS\42600217.M (Chemstation Integrator)
Title : PCBs by USEPA Method 8082
Last Update : Fri Feb 18 12:52:28 2005
Response via : Multiple Level Calibration
DataAcq Meth : PCB_RUN.M

Volume Inj. : 1.5ul
Signal #1 Phase : DB-35MS Signal #2 Phase: DB-XLB
Signal #1 Info : 0.320mm x 0.25um Signal #2 Info : 0.320mm x 0.50um





01360

Quantitation Report (Not Reviewed)

Signal #1 : Z:\DATA\030105_A\PCB4410.D\ADC1A.CH Vial: 17
Signal #2 : Z:\DATA\030105_A\PCB4410.D\ADC1B.CH
Acq On : 1 Mar 2005 9:54 pm Operator: STM
Sample : PB0911 bsd #10 &10 Inst : Dual Colu
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Mar 02 09:41:32 2005 Quant Results File: 42600217.RES

Quant Method : Z:\METHODS\42600217.M (Chemstation Integrator)
Title : PCBs by USEPA Method 8082
Last Update : Fri Feb 18 12:52:28 2005
Response via : Initial Calibration
DataAcq Meth : PCB_RUN.M

Volume Inj. : 1.5ul
Signal #1 Phase : DB-35MS Signal #2 Phase: DB-XLB
Signal #1 Info : 0.320mm x 0.25um Signal #2 Info : 0.320mm x 0.50um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) S Tetrachloro-m-xy	4.41	5.61	42840331	24695186	18.340	17.178
Spiked Amount 20.000			Recovery	=	91.70%	85.89%
14) S Decachlorobiphen	14.31	15.84	44116615	20555126	22.218	20.249
Spiked Amount 20.000			Recovery	=	111.09%	101.24%
Target Compounds						
2) L3 Aroclor 1242	5.96	6.21	5131348	2366915	89.292	95.147
3) L3 Aroclor 1242 {2}	6.86	6.83	5313797	2119274	88.489	95.852
4) L3 Aroclor 1242 {3}	7.59	8.00	3693780	2753046	92.330	85.098
5) L3 Aroclor 1242 {4}	7.83	8.19	3923107	1621093	91.045	89.937
6) L3 Aroclor 1242 {5}	8.25	8.53	6679404	2041528	91.321	87.293
7) L3 Aroclor 1242 - T	0.00	0.00	24741436	10901855	90.378m	90.285m
8) L4 Aroclor 1260	9.28	10.68	10542269	5185374	95.773	100.805
9) L4 Aroclor 1260 {2}	9.53	11.18	10266916	8642558	101.826	95.216
10) L4 Aroclor 1260 {3}	9.85	11.41	20312054	6002029	99.755	101.407
11) L4 Aroclor 1260 {4}	11.12	12.92	13098130	13777005	104.535	97.741
12) L4 Aroclor 1260 {5}	11.55	13.49	31176425	8570171	108.235	103.661
13) L4 Aroclor 1260 - T	0.00	0.00	85395794	42177137	103.152m	99.235m

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

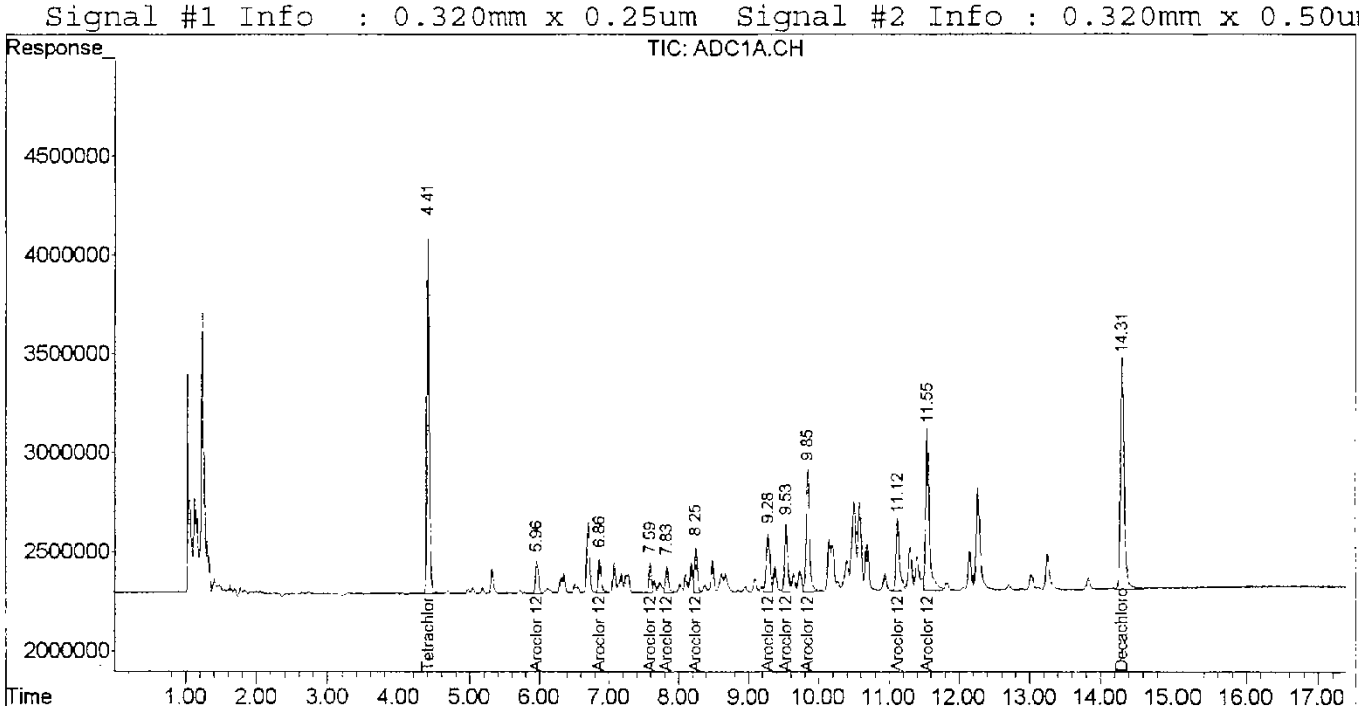
01361

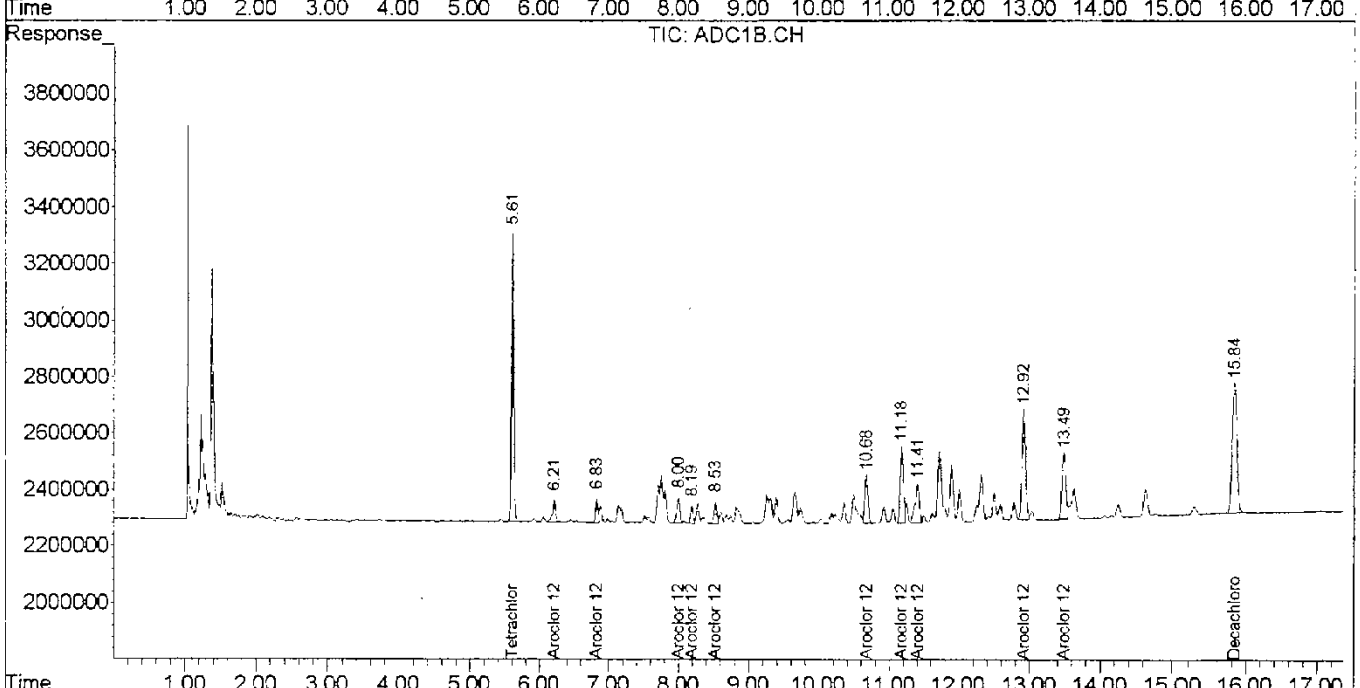
Quantitation Report (Not Reviewed)

Signal #1 : Z:\DATA\030105_A\PCB4410.D\ADC1A.CH Vial: 17
Signal #2 : Z:\DATA\030105_A\PCB4410.D\ADC1B.CH
Acq On : 1 Mar 2005 9:54 pm Operator: STM
Sample : PB0911 bsd #10 &10 Inst : Dual Colu
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Mar 2 9:41 2005 Quant Results File: 42600217.RES

Quant Method : Z:\METHODS\42600217.M (Chemstation Integrator)
Title : PCBs by USEPA Method 8082
Last Update : Fri Feb 18 12:52:28 2005
Response via : Multiple Level Calibration
DataAcq Meth : PCB_RUN.M

Volume Inj. : 1.5ul
Signal #1 Phase : DB-35MS Signal #2 Phase: DB-XLB
Signal #1 Info : 0.320mm x 0.25um Signal #2 Info : 0.320mm x 0.50um





01362

MATIX SPIKE / MATRIX SPIKE DUPLICATE

Quantitation Report (QT Reviewed)

Signal #1 : Z:\DATA\030105_A\PCB4416.D\ADC1A.CH Vial: 23
Signal #2 : Z:\DATA\030105_A\PCB4416.D\ADC1B.CH
Acq On : 1 Mar 2005 11:53 pm Operator: STM
Sample : 126377-6 ms &10 Inst : Dual Colu
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Mar 02 09:42:10 2005 Quant Results File: 42600217.RES

Quant Method : Z:\METHODS\42600217.M (Chemstation Integrator)
Title : PCBs by USEPA Method 8082
Last Update : Fri Feb 18 12:52:28 2005
Response via : Initial Calibration
DataAcq Meth : PCB_RUN.M

Volume Inj. : 1.5ul
Signal #1 Phase : DB-35MS Signal #2 Phase: DB-XLB
Signal #1 Info : 0.320mm x 0.25um Signal #2 Info : 0.320mm x 0.50um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) S Tetrachloro-m-xy	4.41	5.61	40028786	24512235	17.137	17.050
Spiked Amount 20.000			Recovery	=	85.69%	85.25%
14) S Decachlorobiphen	14.30	15.83	36921004	19464838	18.595	19.175
Spiked Amount 20.000			Recovery	=	92.97%	95.88%
Target Compounds						
2) L3 Aroclor 1242	5.96	6.21	5714990	2048254	99.448	82.337m
3) L3 Aroclor 1242 {2}	6.86	6.82	6332977	1693902	105.461	76.613m
4) L3 Aroclor 1242 {3}	7.58	7.99	3512795	2248941	87.807	69.516m
5) L3 Aroclor 1242 {4}	7.83	8.18	4228231	1355372	98.126	75.195m
6) L3 Aroclor 1242 {5}	8.25	8.52	5960793	1829304	81.496	78.219m
7) L3 Aroclor 1242 - T	0.00	0.00	25749785	9175772	94.061m	75.990m
8) L4 Aroclor 1260	9.28	10.67	9452522	4491140	85.873	87.309
9) L4 Aroclor 1260 {2}	9.53	11.18	9527777	7862750	94.495	86.625
10) L4 Aroclor 1260 {3}	9.84	11.40	18028326	5443712	88.540	91.974
11) L4 Aroclor 1260 {4}	11.12	12.91	13002826	12591537	103.774	89.331
12) L4 Aroclor 1260 {5}	11.54	13.48	29318832	7631019	101.786	92.302
13) L4 Aroclor 1260 - T	0.00	0.00	79330283	38020158	95.825m	89.454m

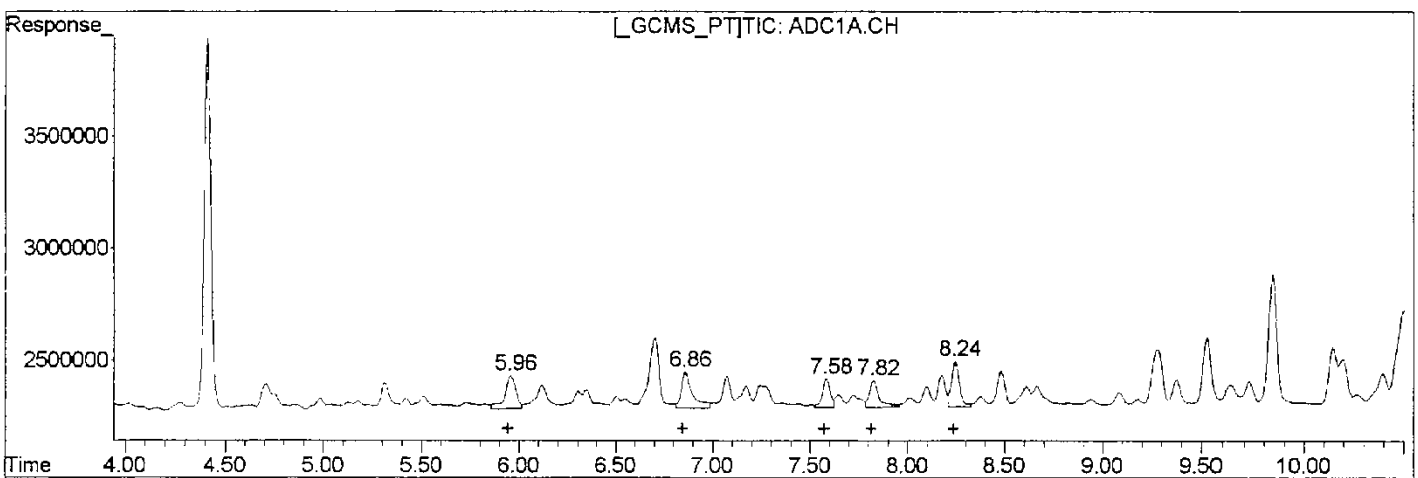
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

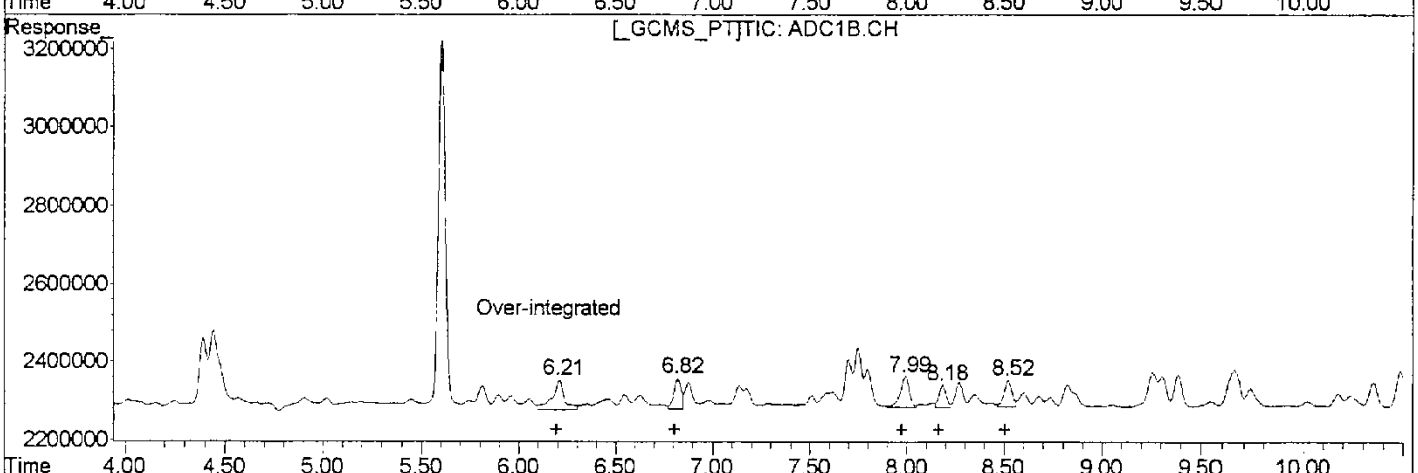
01364

Quantitation Report (Qedit)

Signal #1 : Z:\DATA\030105_A\PCB4416.D\ADC1A.CH Vial: 23
Signal #2 : Z:\DATA\030105_A\PCB4416.D\ADC1B.CH
Acq On : 1 Mar 2005 11:53 pm Operator: STM
Sample : 126377-6 ms &10 Inst : Dual Colu
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Mar 2 9:42 2005 Quant Results File: 42600217.RES

Method : Z:\METHODS\42600217.M (Chemstation Integrator)
Title : PCBs by USEPA Method 8082
Last Update : Fri Feb 18 12:52:28 2005
Response via : Multiple Level Calibration





QEdit

(2) Aroclor 1242 (L3)

R.T.	Response	Conc
5.96	5714990	99.45
6.86	6332977	105.46
7.58	3512795	87.81
7.83	4228231	98.13
8.25	5960793	81.50

(2) Aroclor 1242 #2 (L3)

R.T.	Response	Conc
6.21	3244978	130.44
6.82	2015393	91.15
7.99	2601640	80.42
8.18	1472338	81.68
8.52	1912274	81.77

(+) = Expected Retention Time

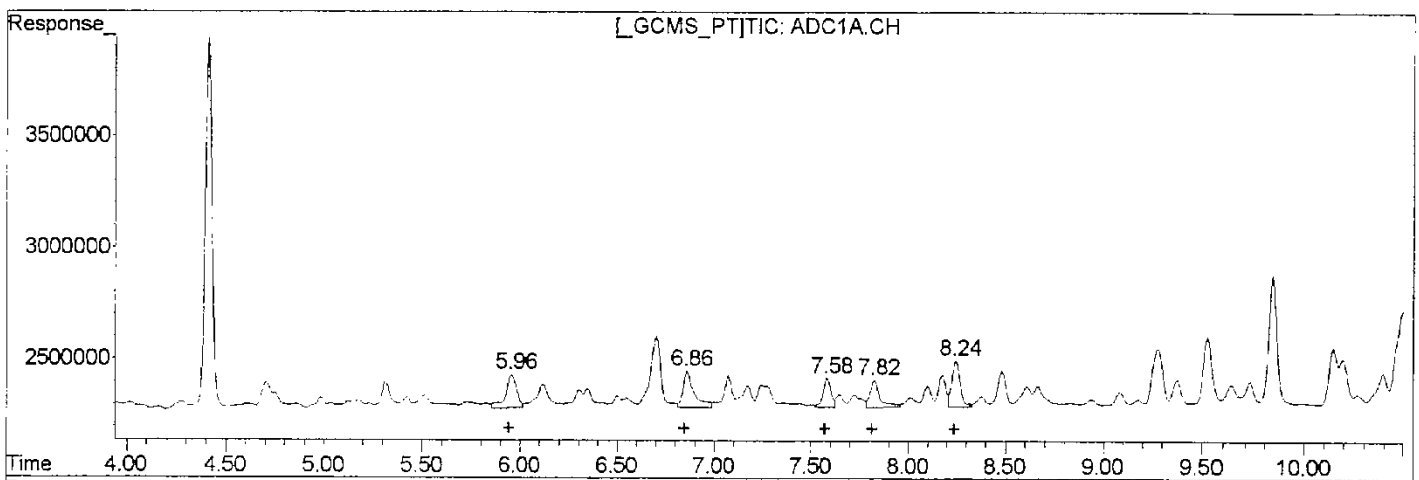
PCB4416.D 42600217.M Wed Mar 02 14:22:21 2005

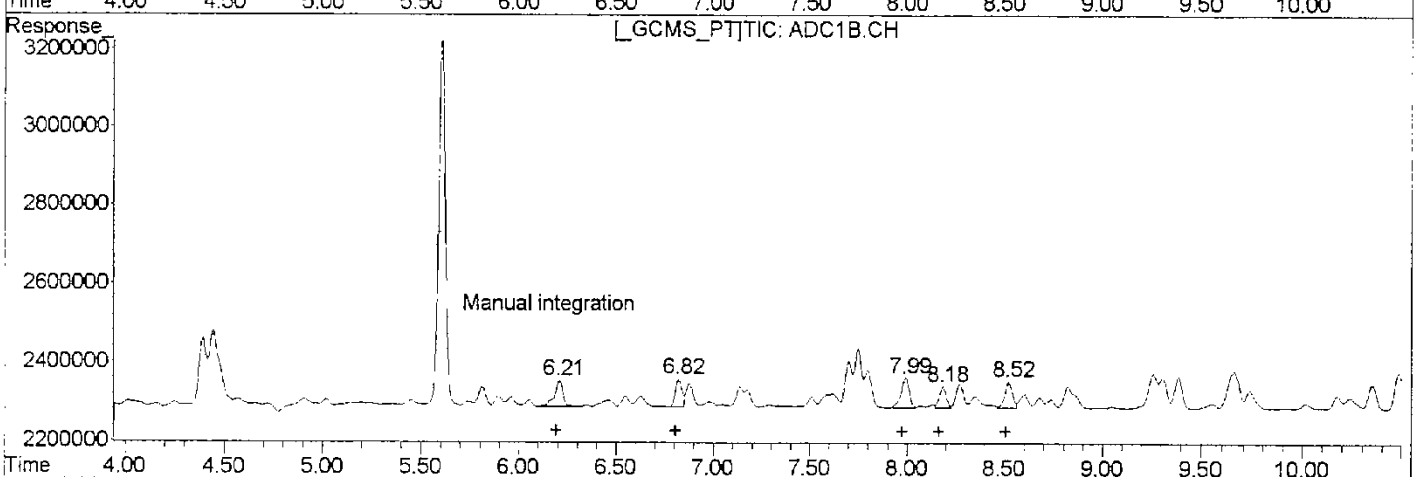
01365

Quantitation Report (Qedit)

Signal #1 : Z:\DATA\030105_A\PCB4416.D\ADC1A.CH Vial: 23
Signal #2 : Z:\DATA\030105_A\PCB4416.D\ADC1B.CH
Acq On : 1 Mar 2005 11:53 pm Operator: STM
Sample : 126377-6 ms &10 Inst : Dual Colu
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Mar 2 9:42 2005 Quant Results File: 42600217.RES

Method : Z:\METHODS\42600217.M (Chemstation Integrator)
Title : PCBs by USEPA Method 8082
Last Update : Fri Feb 18 12:52:28 2005
Response via : Multiple Level Calibration





QEdit

(2) Aroclor 1242 #2 (L3)

R.T.	Response	Conc
5.96	5714990	99.45
6.86	6332977	105.46
7.58	3512795	87.81
7.83	4228231	98.13
8.25	5960793	81.50

(2) Aroclor 1242 #2 (L3)

R.T.	Response	Conc
6.21	2048254	82.34
6.82	1693902	76.61
7.99	2248941	69.52
8.18	1355372	75.19
8.52	1829304	78.22

(+) = Expected Retention Time

PCB4416.D 42600217.M Wed Mar 02 14:24:46 2005

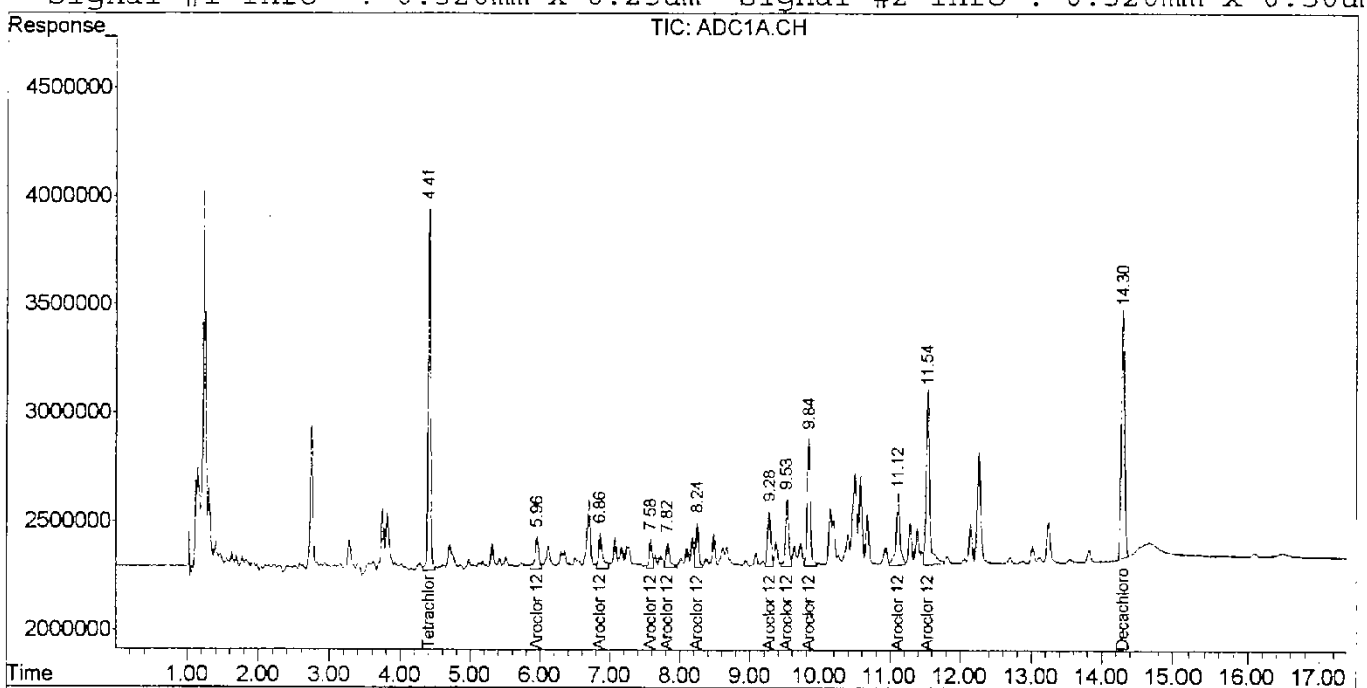
01366

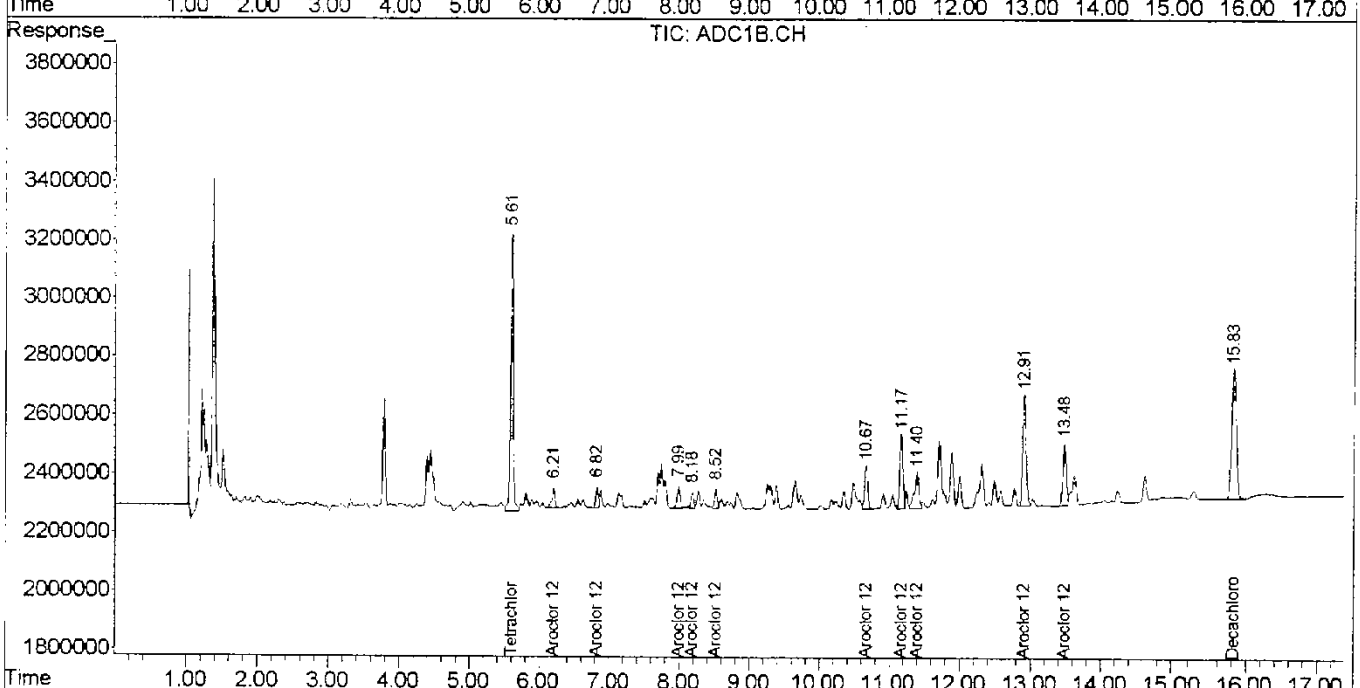
Quantitation Report (QT Reviewed)

Signal #1 : Z:\DATA\030105_A\PCB4416.D\ADC1A.CH Vial: 23
Signal #2 : Z:\DATA\030105_A\PCB4416.D\ADC1B.CH
Acq On : 1 Mar 2005 11:53 pm Operator: STM
Sample : 126377-6 ms &10 Inst : Dual Colu
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Mar 2 14:24 2005 Quant Results File: 42600217.RES

Quant Method : Z:\METHODS\42600217.M (Chemstation Integrator)
Title : PCBs by USEPA Method 8082
Last Update : Fri Feb 18 12:52:28 2005
Response via : Multiple Level Calibration
DataAcq Meth : PCB_RUN.M

Volume Inj. : 1.5ul
Signal #1 Phase : DB-35MS Signal #2 Phase: DB-XLB
Signal #1 Info : 0.320mm x 0.25um Signal #2 Info : 0.320mm x 0.50um





01367

Quantitation Report (Not Reviewed)

Signal #1 : Z:\DATA\030105_A\PCB4417.D\ADC1A.CH Vial: 24
Signal #2 : Z:\DATA\030105_A\PCB4417.D\ADC1B.CH
Acq On : 2 Mar 2005 12:13 am Operator: STM
Sample : 126377-6 msd &10 Inst : Dual Colu
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Mar 02 09:42:16 2005 Quant Results File: 42600217.RES

Quant Method : Z:\METHODS\42600217.M (Chemstation Integrator)
Title : PCBs by USEPA Method 8082
Last Update : Fri Feb 18 12:52:28 2005
Response via : Initial Calibration
DataAcq Meth : PCB_RUN.M

Volume Inj. : 1.5ul
Signal #1 Phase : DB-35MS Signal #2 Phase: DB-XLB
Signal #1 Info : 0.320mm x 0.25um Signal #2 Info : 0.320mm x 0.50um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) S Tetrachloro-m-xy	4.40	5.60	39385625	23352886	16.861	16.244
Spiked Amount 20.000			Recovery	=	84.31%	81.22%
14) S Decachlorobiphen	14.29	15.82	36333887	19738537	18.299	19.444
Spiked Amount 20.000			Recovery	=	91.49%	97.22%
Target Compounds						
2) L3 Aroclor 1242	5.95	6.20	5367625	2118586	93.403	85.164
3) L3 Aroclor 1242 {2}	6.85	6.81	6676860	1720891	111.188	77.834
4) L3 Aroclor 1242 {3}	7.58	7.98	3715112	2306225	92.864	71.287
5) L3 Aroclor 1242 {4}	7.82	8.18	4575140	1424226	106.177	79.015
6) L3 Aroclor 1242 {5}	8.24	8.51	6337013	1945487	86.640	83.187
7) L3 Aroclor 1242 - T	0.00	0.00	26671749	9515415	97.429m	78.803m
8) L4 Aroclor 1260	9.27	10.66	9681907	4521756	87.957	87.904
9) L4 Aroclor 1260 {2}	9.52	11.17	9503145	8007373	94.251	88.218
10) L4 Aroclor 1260 {3}	9.83	11.39	18472431	5420587	90.721	91.583
11) L4 Aroclor 1260 {4}	11.11	12.90	12774452	12855581	101.952	91.204
12) L4 Aroclor 1260 {5}	11.53	13.47	27426698	7806023	95.217	94.418
13) L4 Aroclor 1260 - T	0.00	0.00	77858633	38611319	94.047m	90.845m

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

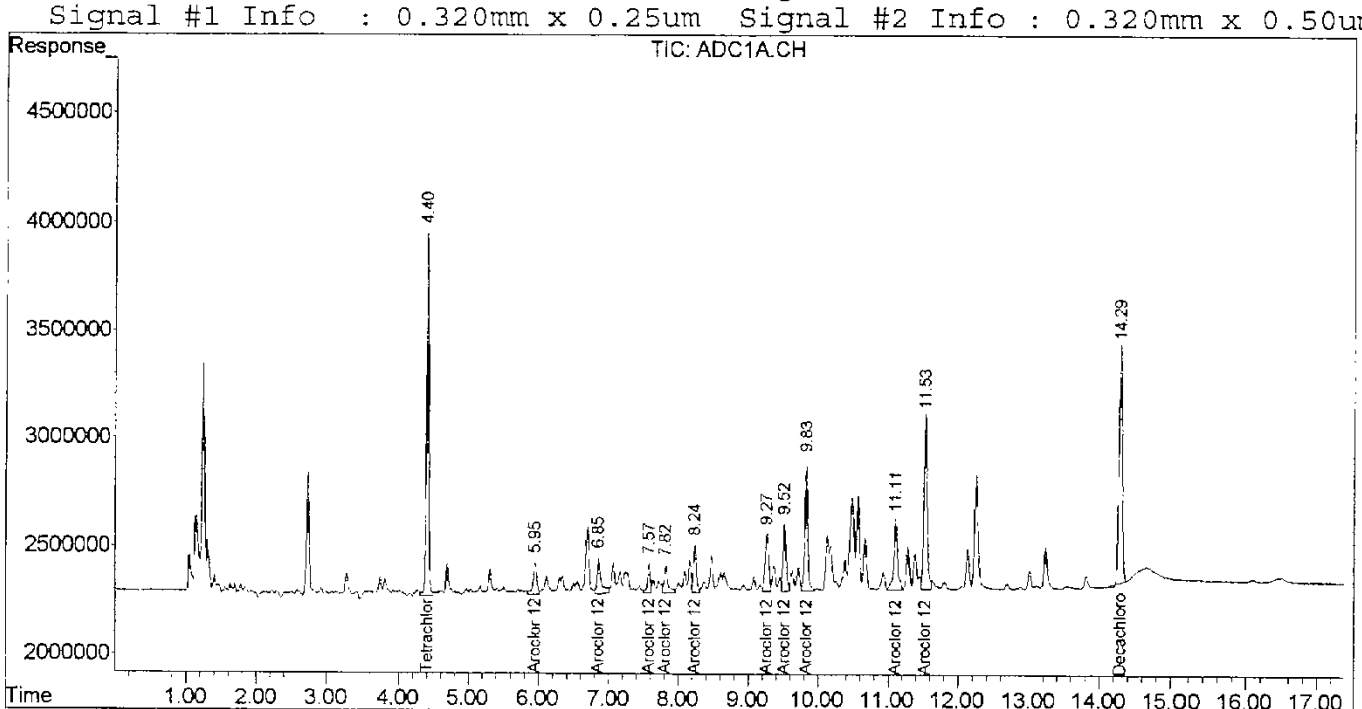
01368

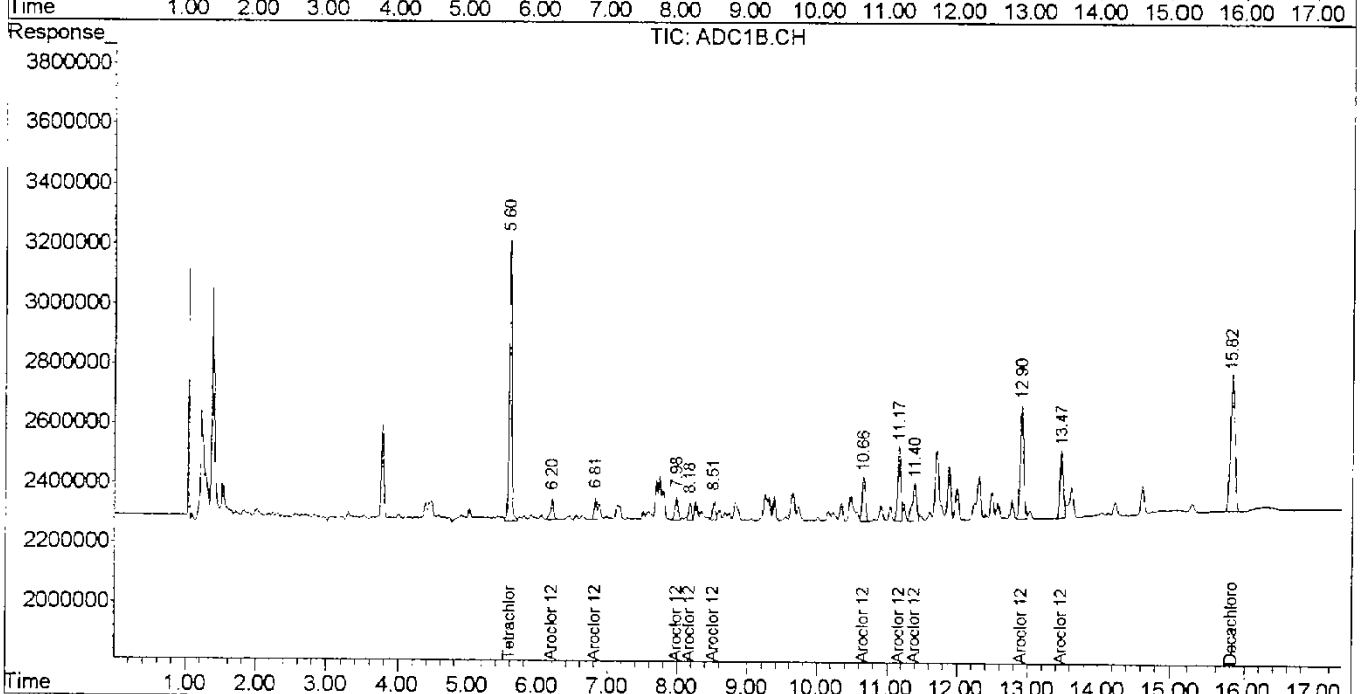
Quantitation Report (Not Reviewed)

Signal #1 : Z:\DATA\030105_A\PCB4417.D\ADC1A.CH Vial: 24
Signal #2 : Z:\DATA\030105_A\PCB4417.D\ADC1B.CH
Acq On : 2 Mar 2005 12:13 am Operator: STM
Sample : 126377-6 msd &10 Inst : Dual Colu
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Mar 2 9:42 2005 Quant Results File: 42600217.RES

Quant Method : Z:\METHODS\42600217.M (Chemstation Integrator)
Title : PCBs by USEPA Method 8082
Last Update : Fri Feb 18 12:52:28 2005
Response via : Multiple Level Calibration
DataAcq Meth : PCB_RUN.M

Volume Inj. : 1.5ul
Signal #1 Phase : DB-35MS Signal #2 Phase: DB-XLB
Signal #1 Info : 0.320mm x 0.25um Signal #2 Info : 0.320mm x 0.50um





013569

LABORATORY WORKSHEETS

PCB's Worksheet - total

QC Level:Tier IV w/ COE Requirements

Matrix:solid

Parametrix, Inc.

Due: 03/02/05 | **Work Order - 126377**

Proj. Manager:Darla Powell

Special Instructions

~~5 day TAT~~ DPP
Subbed TOC & Sulfide to STL Denver
Subbed Grain Size to STL Burlington
Subbed Dioxin to STL Sac

Proj Spec QC.

6 ppm total PCB

Sample number 126377-1	Client Sample ID	0205-OS-VC-01
Sample Weight/Volume	Date Received	2/18/2005
	Date Sampled	**2/17/2005 1:45:00 PM**
PCB's		
Sample number 126377-2	Client Sample ID	0205-OS-VC-02
Sample Weight/Volume	Date Received	2/18/2005
	Date Sampled	**2/17/2005 8:30:00 AM**
PCB's		
Sample number 126377-3	Client Sample ID	0205-OS-VC-03
Sample Weight/Volume	Date Received	2/18/2005
	Date Sampled	**2/17/2005 9:45:00 AM**
PCB's		
Sample number 126377-4	Client Sample ID	0205-OS-VC-03A
Sample Weight/Volume	Date Received	2/18/2005
	Date Sampled	**2/17/2005 9:45:00 AM**
PCB's		
Sample number 126377-5	Client Sample ID	0205-OS-VC-04
Sample Weight/Volume	Date Received	2/18/2005
	Date Sampled	**2/17/2005 12:50:00 PM**
PCB's		
Sample number 126377-6	Client Sample ID	0205-OS-VC-05
Sample Weight/Volume	Date Received	2/18/2005
	Date Sampled	**2/17/2005 10:50:00 AM**
PCB's		
Sample number 126377-7	Client Sample ID	0205-OS-VC-06
Sample Weight/Volume	Date Received	2/18/2005
	Date Sampled	**2/17/2005 11:25:00 AM**
PCB's		

See attached

Samples are: Low Level ☒ Small Volume ☐ Normal ☐

Analyst FTM Date 3/2/05

Reviewed by Date 3/3/05

Organics worksheet v4.0
If you have suggestions for changes please bring them to me - Dennis

01371

PCB's Worksheet - total

QC Level:Tier IV	**Due: 03/02/05**
Matrix:solid	**Work Order - 126377**
Parametrix, Inc.	Proj. Manager:Darla Powell

Special Instructions

5 day TAT
Subbed TOC & Sulfide to STL Denver
Subbed Grain Size to STL Burlington
Subbed Dioxin to STL Sac

Sample number 126377-8	Client Sample ID	0205-OS-VC-06Z
Sample Weight/Volume	Date Received	2/18/2005
	Date Sampled	**2/17/2005 11:20:00 AM**

PCB's

Samples are: Low Level ☐ Small Volume ☐ Normal ☐

Analyst ATM Date 3/1/05

Reviewed by [signature] Date 3/3/05

Organics worksheet v4.0
If you have suggestions for changes please bring them to me - Dennis

01372

Sample Receiving Login

Full Client Name	**Parametrix, Inc.**
Work Order	**126377**
Date Received	**2/18/05**
Date Due	
QC Level	
Date Analyzed	2/21/05

STL Work Order	Samp No.	Client Sample ID	Date Sampled	**% Solids**	Sample+Tin	Final Wt.	Sample Wt.
126377-8Dup	8	0205-OS-VC-06Z	2/17/05	58.79	15.3262	9.334	14.54
126377-8Trip.	8	0205-OS-VC-06Z	2/17/05	58.77	14.4122	8.7965	13.6189
126377-1	1	0205-OS-VC-01	2/17/05	55.96	12.4311	7.3056	11.6395
126377-2	2	0205-OS-VC-02	2/17/05	71.62	13.3739	9.8033	12.5799
126377-3	3	0205-OS-VC-03	2/17/05	66.38	16.8641	11.4572	16.0809
126377-4	4	0205-OS-VC-03A	2/17/05	66.44	12.4195	8.5175	11.6274
126377-5	5	0205-OS-VC-04	2/17/05	70.25	17.0283	12.1969	16.2388
126377-6	6	0205-OS-VC-05	2/17/05	85.38	8.291	7.196	7.4913
126377-7	7	0205-OS-VC-06	2/17/05	59.88	17.7522	10.9469	16.9636
126377-8	8	0205-OS-VC-06Z	2/17/05	57.85	13.2777	8.0179	12.4777
126377-9	9	0205-OS-VC-01P	2/17/05	not done			
126377-10	10	0205-OS-VC-02P	2/17/05	not done			
126377-11	11	0205-OS-VC-03P	2/17/05	not done			
126377-12	12	0205-OS-VC-03AP	2/17/05	not done			
126377-13	13	0205-OS-VC-04P	2/17/05	not done			
126377-14	14	0205-OS-VC-05P	2/17/05	not done			
126377-15	15	0205-OS-VC-06P	2/17/05	not done			
126377-16	16	0205-OS-VC-06ZP	2/17/05	not done			

Printed - 3/1/05

PCB Analysis by USEPA Method 8082

QCBatch ID	PB0911		
Sample Matrix	Low Level Soil		
Surrogate Std. No.	561-161-2		
8082 MS Spike No	561-164-3	Weighed By/Date	
Hexane Lot Number	043596	Extracted By/Date	AJM 3/1/05
Acetone Lot Number	042951		
Na2SO4 Lot Number	A17H50		
H2SO4 Lot Number	042932		
Extraction Method	3550		

QC Sample Type	QC Identifier	Sample Weight (g)	Final Volume (ml)	Surr Spike (ul)	MS/BS spike amt (ul)
Method Blank	PB0911	10.0000	10.0	100	
Duplicate	none				
Duplicate-2	none				
Blank Spike	sPB0911	10.0000	10.0	100	100
Blank Spike Duplicate	dPB0911	10.0000	10.0	100	100
Matrix Spike	126377s6	20.0178	10.0	100	100
Matrix Spike Duplicate	126377d6	20.3567	10.0	100	100
Matrix Spike-2	none				
Matrix Spike Duplicate-2	none				

Sample	Client Sample ID	Sample Weight (g)	Final Volume (ml)	Surr Spike (ul)
126377-1	0205-OS-VC-01	20.1359	10.0	100
126377-2	0205-OS-VC-02	20.2761	10.0	100
126377-3	0205-OS-VC-03	20.3951	10.0	100
126377-4	0205-OS-VC-03A	20.7326	10.0	100
126377-5	0205-OS-VC-04	20.5349	10.0	100
126377-6	0205-OS-VC-05	20.6175	10.0	100
126377-7	0205-OS-VC-06	20.2387	10.0	100
126377-8	0205-OS-VC-06Z	20.6581	10.0	100

STL Seattle

6a **Sample Information**

Client Name	**Parametrix, Inc.**
Work Order Number	**126377**
Sample Number	**1**
QC Batch Number	**PB0911**
Client Sample ID	**0205-OS-VC-01**
Date Received	**02-18-05**
Date Prepared	**03-01-05**
Date Analyzed	**03-01-05**
Sample matrix type	**solid**
QC sample type	**sample**

Related Blank: PB0911

Sample weight (g)	**20.1359**	=	0.02014 /kg	Calc. Fact.	0.000887465
Extract volume (ml)	**10**	=	10 ml	Dry Weight	11.26804964 g
Dilution Factor	**1**	=	1	Sample Units	mg/kg
% Solids	**55.96**	=	0.5596	Spike Factor	0.088746503
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	1
Report in PPM	**1**	=	0.001		
mg/kg Carbon		=	1	Blk Dil. Fact	
				Raw Dil. Fact	10

	Surrogate	**Quan Value**	**User Flags**	**% Rec.**	**Warning**	**Water Low**	**Water High**
x	Tetrachloro-m-xylene	15.0017		75	**OK**		
x	Decachlorobiphenyl	18.0016		90	**OK**		
				-	-		
				-	-		
				-	-		
				-	-		

x	**Target Analytes**	**Quan Value**	**User Flag**	**Blank**	**Calculated Amount**	**Total Flags**	**PQL**

01375

STL Seattle

6a **Sample Information**

Client Name	**Parametrix, Inc.**
Work Order Number	**126377**
Sample Number	**2**
QC Batch Number	**PB0911**
Client Sample ID	**0205-OS-VC-02**
Date Received	**02-18-05**
Date Prepared	**03-01-05**
Date Analyzed	**03-01-05**
Sample matrix type	**solid**
QC sample type	**sample**

Related Blank: PB0911

Sample weight (g)	**20.2761**	=	0.02028 /kg	Calc. Fact.	0.000688623
Extract volume (ml)	**10**	=	10 ml	Dry Weight	14.52174282 g
Dilution Factor	**1**	=	1	Sample Units	mg/kg
% Solids	**71.62**	=	0.7162	Spike Factor	0.068862258
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	1
Report in PPM	**1**	=	0.001		
mg/kg Carbon		=	1	Blk Dil. Fact	
				Raw Dil. Fact	10

	Surrogate	**Quan Value**	**User Flags**	**% Rec.**	**Warning**	**Water Low**	**Water High**
x	Tetrachloro-m-xylene	15.4586		77.3	**OK**		
x	Decachlorobiphenyl	18.4637		92.3	**OK**		
				-	-		
				-	-		
				-	-		
				-	-		

x	**Target Analytes**	**Quan Value**	**User Flag**	**Blank**	**Calculated Amount**	**Total Flags**	**PQL**

01376

STL Seattle

6a **Sample Information**

Client Name	**Parametrix, Inc.**
Work Order Number	**126377**
Sample Number	**3**
QC Batch Number	**PB0911**
Client Sample ID	**0205-OS-VC-03**
Date Received	**02-18-05**
Date Prepared	**03-01-05**
Date Analyzed	**03-01-05**
Sample matrix type	**solid**
QC sample type	**sample**

Related Blank: PB0911

Sample weight (g)	**20.3951**	=	0.0204 /kg	Calc. Fact.	0.000738647
Extract volume (ml)	**10**	=	10 ml	Dry Weight	13.53826738 g
Dilution Factor	**1**	=	1	Sample Units	mg/kg
% Solids	**66.38**	=	0.6638	Spike Factor	0.073864696
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	1
Report in PPM	1	=	0.001		
mg/kg Carbon		=	1	Blk Dil. Fact	
				Raw Dil. Fact	10

	Surrogate	**Quan Value**	**User Flags**	**% Rec.**	**Warning**	**Water Low**	**Water High**
x	Tetrachloro-m-xylene	15.8147		79.1	**OK**		
x	Decachlorobiphenyl	18.7528		93.8	**OK**		
				-	-		
				-	-		
				-	-		
				-	-		

x	**Target Analytes**	**Quan Value**	**User Flag**	**Blank**	**Calculated Amount**	**Total Flags**	**PQL**

01377

STL Seattle

6a **Sample Information**

Client Name	**Parametrix, Inc.**
Work Order Number	**126377**
Sample Number	**4**
QC Batch Number	**PB0911**
Client Sample ID	**0205-OS-VC-03A**
Date Received	**02-18-05**
Date Prepared	**03-01-05**
Date Analyzed	**03-01-05**
Sample matrix type	**solid**
QC sample type	**sample**

Related Blank: PB0911

Sample weight (g)	**20.7326**	=	0.02073 /kg	Calc. Fact.	0.000725967
Extract volume (ml)	**10**	=	10 ml	Dry Weight	13.77473944 g
Dilution Factor	**1**	=	1	Sample Units	mg/kg
% Solids	**66.44**	=	0.6644	Spike Factor	0.072596655
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	1
Report in PPM	**1**	=	0.001		
mg/kg Carbon		=	1	Blk Dil. Fact	
				Raw Dil. Fact	10

	Surrogate	**Quan Value**	**User Flags**	**% Rec.**	**Warning**	**Water Low**	**Water High**
x	Tetrachloro-m-xylene	15.5305		77.7	**OK**		
x	Decachlorobiphenyl	18.5813		92.9	**OK**		
				-	-		
				-	-		
				-	-		
				-	-		

x	**Target Analytes**	**Quan Value**	**User Flag**	**Blank**	**Calculated Amount**	**Total Flags**	**PQL**

01378

STL Seattle

6a **Sample Information**

Client Name	**Parametrix, Inc.**
Work Order Number	**126377**
Sample Number	**5**
QC Batch Number	**PB0911**
Client Sample ID	**0205-OS-VC-04**
Date Received	**02-18-05**
Date Prepared	**03-01-05**
Date Analyzed	**03-02-05**
Sample matrix type	**solid**
QC sample type	**sample**

Related Blank: PB0911

Sample weight (g)	**20.5349**	=	0.02053 /kg	Calc. Fact.	0.000693204
Extract volume (ml)	**10**	=	10 ml	Dry Weight	14.42576725 g
Dilution Factor	**1**	=	1	Sample Units	mg/kg
% Solids	**70.25**	=	0.7025	Spike Factor	0.069320403
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	1
Report in PPM	**1**	=	0.001		
mg/kg Carbon		=	1	Blk Dil. Fact	
				Raw Dil. Fact	10

	Surrogate	**Quan Value**	**User Flags**	**% Rec.**	**Warning**	**Water Low**	**Water High**
x	Tetrachloro-m-xylene	15.7658		78.8	**OK**		
x	Decachlorobiphenyl	18.9504		94.8	**OK**		
				-	-		
				-	-		
				-	-		
				-	-		

x	**Target Analytes**	**Quan Value**	**User Flag**	**Blank**	**Calculated Amount**	**Total Flags**	**PQL**

01379

STL Seattle

6a **Sample Information**

Client Name	**Parametrix, Inc.**
Work Order Number	**126377**
Sample Number	**6**
QC Batch Number	**PB0911**
Client Sample ID	**0205-OS-VC-05**
Date Received	**02-18-05**
Date Prepared	**03-01-05**
Date Analyzed	**03-01-05**
Sample matrix type	**solid**
QC sample type	**sample**

Related Blank: PB0911

Sample weight (g)	**20.6175**	=	0.02062 /kg	Calc. Fact.	0.000568078
Extract volume (ml)	**10**	=	10 ml	Dry Weight	17.6032215 g
Dilution Factor	**1**	=	1	Sample Units	mg/kg
% Solids	**85.38**	=	0.8538	Spike Factor	0.056807784
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	1
Report in PPM	**1**	=	0.001		
mg/kg Carbon		=	1	Blk Dil. Fact	
				Raw Dil. Fact	10

	Surrogate	**Quan Value**	**User Flags**	**% Rec.**	**Warning**	**Water Low**	**Water High**
x	Tetrachloro-m-xylene	15.8638		79.3	**OK**		
x	Decachlorobiphenyl	19.6319		98.2	**OK**		
				-	-		
				-	-		
				-	-		
				-	-		

x	**Target Analytes**	**Quan Value**	**User Flag**	**Blank**	**Calculated Amount**	**Total Flags**	**PQL**

01380

STL Seattle

6a **Sample Information**

Client Name	**Parametrix, Inc.**
Work Order Number	**126377**
Sample Number	**6**
QC Batch Number	**PB0911**
Client Sample ID	**0205-OS-VC-05**
Date Received	**02-18-05**
Date Prepared	**03-01-05**
Date Analyzed	**03-01-05**
Sample matrix type	**solid**
QC sample type	**ms**

Related Blank: PB0911

Sample weight (g)	**20.0178**	=	0.02002 /kg	Calc. Fact.	0.000585095
Extract volume (ml)	**10**	=	10 ml	Dry Weight	17.091231792 g
Dilution Factor	**1**	=	1	Sample Units	mg/kg
% Solids	**85.38**	=	0.8538	Spike Factor	0.058509534
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	1
Report in PPM	**1**	=	0.001		
mg/kg Carbon		=	1	Blk Dil. Fact	
				Raw Dil. Fact	10

x	Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	Tetrachloro-m-xylene	17.0503		85.3	OK		
x	Decachlorobiphenyl	19.1749		95.9	OK		
				-	-		
				-	-		
				-	-		
				-	-		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Aroclor 1242	75.9903	C1		0.0445	C1	0.00585
x	Aroclor 1260	89.4543	C1		0.0523	C1	0.00585

STL Seattle

6a **Sample Information**

Client Name	**Parametrix, Inc.**
Work Order Number	**126377**
Sample Number	**6**
QC Batch Number	**PB0911**
Client Sample ID	**0205-OS-VC-05**
Date Received	**02-18-05**
Date Prepared	**03-01-05**
Date Analyzed	**03-02-05**
Sample matrix type	**solid**
QC sample type	**msd**

Related Blank: PB0911

Sample weight (g)	**20.3567**	=	0.02036 /kg	Calc. Fact.	0.000575356
Extract volume (ml)	**10**	=	10 ml	Dry Weight	17.38055046 g
Dilution Factor	**1**	=	1	Sample Units	mg/kg
% Solids	**85.38**	=	0.8538	Spike Factor	0.057535577
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	1
Report in PPM	**1**	=	0.001		
mg/kg Carbon		=	1	Blk Dil. Fact	
				Raw Dil. Fact	10

	Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	Tetrachloro-m-xylene	16.2439		81.2	OK		
x	Decachlorobiphenyl	19.4445		97.2	OK		
				-	-		
				-	-		
				-	-		
				-	-		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Aroclor 1242	78.8031	C1		0.0453	C1	0.00575
x	Aroclor 1260	90.8452	C1		0.0523	C1	0.00575

01382

STL Seattle

6a **Sample Information**

Client Name	**Parametrix, Inc.**
Work Order Number	**126377**
Sample Number	**7**
QC Batch Number	**PB0911**
Client Sample ID	**0205-OS-VC-06**
Date Received	**02-18-05**
Date Prepared	**03-01-05**
Date Analyzed	**03-02-05**
Sample matrix type	**solid**
QC sample type	**sample**

Related Blank: PB0911

Sample weight (g)	**20.2387**	=	0.02024 /kg	Calc. Fact.	0.000825155
Extract volume (ml)	**10**	=	10 ml	Dry Weight	12.11893356 g
Dilution Factor	**1**	=	1	Sample Units	mg/kg
% Solids	**59.88**	=	0.5988	Spike Factor	0.082515511
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	1
Report in PPM	**1**	=	0.001		
mg/kg Carbon		=	1	Blk Dil. Fact	
				Raw Dil. Fact	10

	Surrogate	**Quan Value**	**User Flags**	**% Rec.**	**Warning**	**Water Low**	**Water High**
x	Tetrachloro-m-xylene	15.046		75.2	**OK**		
x	Decachlorobiphenyl	18.731		93.7	**OK**		
				-	-		
				-	-		
				-	-		
				-	-		

x	**Target Analytes**	**Quan Value**	**User Flag**	**Blank**	**Calculated Amount**	**Total Flags**	**PQL**

01383

STL Seattle

6a **Sample Information**

Client Name	**Parametrix, Inc.**
Work Order Number	**126377**
Sample Number	**8**
QC Batch Number	**PB0911**
Client Sample ID	**0205-OS-VC-06Z**
Date Received	**02-18-05**
Date Prepared	**03-01-05**
Date Analyzed	**03-02-05**
Sample matrix type	**solid**
QC sample type	**sample**

Related Blank: PB0911

Sample weight (g)	**20.6581**	=	0.02066 /kg	Calc. Fact.	0.00083677
Extract volume (ml)	**10**	=	10 ml	Dry Weight	11.95071085 g
Dilution Factor	**1**	=	1	Sample Units	mg/kg
% Solids	**57.85**	=	0.5785	Spike Factor	0.083677031
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	1
Report in PPM	**1**	=	0.001		
mg/kg Carbon		=	1	Blk Dil. Fact	
				Raw Dil. Fact	10

	Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	Tetrachloro-m-xylene	14.4671		72.3	**OK**		
x	Decachlorobiphenyl	17.4671		87.3	**OK**		
				-	-		
				-	-		
				-	-		
				-	-		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL

01384

STL Seattle

6a **Sample Information**

Client Name	
Work Order Number	
Sample Number	
QC Batch Number	**PB0911**
Client Sample ID	
Date Received	
Date Prepared	**03-01-05**
Date Analyzed	**03-01-05**
Sample matrix type	**solid**
QC sample type	**blank**

Related Blank: noblank

Sample weight (g)	**10**	=	0.01 /kg	Calc. Fact.	0.001
Extract volume (ml)	**10**	=	10 ml	Dry Weight	10 g
Dilution Factor	**1**	=	1	Sample Units	mg/kg
% Solids		=	1	Spike Factor	0.1
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	1
Report in PPM	**1**	=	0.001		
mg/kg Carbon		=	1	Blk Dil. Fact	
				Raw Dil. Fact	10

	Surrogate	**Quan Value**	**User Flags**	**% Rec.**	**Warning**	**Water Low**	**Water High**
x	Tetrachloro-m-xylene	17.6133		88.1	**OK**		
x	Decachlorobiphenyl	20.2825		101	**OK**		
				-	-		
				-	-		
				-	-		
				-	-		

x	**Target Analytes**	**Quan Value**	**User Flag**	**Blank**	**Calculated Amount**	**Total Flags**	**PQL**

STL Seattle

6a **Sample Information**

Client Name	
Work Order Number	
Sample Number	Related Blank: PB0911
QC Batch Number	**PB0911**
Client Sample ID	
Date Received	
Date Prepared	**03-01-05**
Date Analyzed	**03-01-05**
Sample matrix type	**solid**
QC sample type	**bs**

Sample weight (g)	**10**	=	0.01	/kg	Calc. Fact.	0.001
Extract volume (ml)	**10**	=	10	ml	Dry Weight	10 g
Dilution Factor	**1**	=	1		Sample Units	mg/kg
% Solids		=	1		Spike Factor	0.1
GPC (Enter 2 if GPC'd)		=	1		Rept. Dil. Fact.	1
Report in PPM	**1**	=	0.001			
mg/kg Carbon		=	1		Blk Dil. Fact	
					Raw Dil. Fact	10

	Surrogate	**Quan Value**	**User Flags**	**% Rec.**	**Warning**	**Water Low**	**Water High**
x	Tetrachloro-m-xylene	17.2935		86.5	**OK**		
x	Decachlorobiphenyl	20.2954		101	**OK**		
				-	-		
				-	-		
				-	-		
				-	-		

x	**Target Analytes**	**Quan Value**	**User Flag**	**Blank**	**Calculated Amount**	**Total Flags**	**PQL**
x	Aroclor 1242	91.7675	C1		0.0918	C1	0.01
x	Aroclor 1260	99.2151	C1		0.0992	C1	0.01

STL Seattle

6a **Sample Information**

Client Name	
Work Order Number	
Sample Number	Related Blank: PB0911
QC Batch Number	**PB0911**
Client Sample ID	
Date Received	
Date Prepared	**03-01-05**
Date Analyzed	**03-01-05**
Sample matrix type	**solid**
QC sample type	**bsd**

Sample weight (g)	**10**	=	0.01	/kg	Calc. Fact.	0.001
Extract volume (ml)	**10**	=	10	ml	Dry Weight	10 g
Dilution Factor	**1**	=	1		Sample Units	mg/kg
% Solids		=	1		Spike Factor	0.1
GPC (Enter 2 if GPC'd)		=	1		Rept. Dil. Fact.	1
Report in PPM	**1**	=	0.001			
mg/kg Carbon		=	1		Blk Dil. Fact	
					Raw Dil. Fact	10

	Surrogate	**Quan Value**	**User Flags**	**% Rec.**	**Warning**	**Water Low**	**Water High**
x	Tetrachloro-m-xylene	17.1776		85.9	**OK**		
x	Decachlorobiphenyl	20.2489		101	**OK**		
				-	-		
				-	-		
				-	-		
				-	-		

x	**Target Analytes**	**Quan Value**	**User Flag**	**Blank**	**Calculated Amount**	**Total Flags**	**PQL**
x	Aroclor 1242	90.2851	C1		0.0903	C1	0.01
x	Aroclor 1260	99.2349	C1		0.0992	C1	0.01

01387

TOTAL METALS DATA PACKAGE

STL Seattle Perkin-Elmer Elan 6100 ICP-MS
Quantitative Analysis Calibration Report

File Name:
File Path:
Calibration Type: External Calibration

(Dual Detector Mode)

Analyte	Mass	Curve Type	Slope	Intercept	Corr. Coeff.
Cr	51.941	Linear Thru Zero	0.01	0.00	0.999997
Ni	59.933	Linear Thru Zero	0.00	0.00	0.999994
Cu	64.928	Linear Thru Zero	0.00	0.00	0.999953
Zn	67.925	Linear Thru Zero	0.00	0.00	0.999973
As	74.922	Linear Thru Zero	0.00	0.00	0.999998
Ge	73.922	Linear Thru Zero	0.00	0.00	0.000000
Ag	106.905	Linear Thru Zero	0.01	0.00	0.999972
Cd	110.904	Linear Thru Zero	0.00	0.00	0.999985
Sb	120.904	Linear Thru Zero	0.01	0.00	0.999970
Rh	102.905	Linear Thru Zero	0.00	0.00	0.000000
Pb	207.977	Linear Thru Zero	0.03	0.00	0.999890
Ho	164.930	Linear Thru Zero	0.00	0.00	0.000000

01389

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: Blank

Sample Description:
Sample Date/Time: Thursday, February 24, 2005 05:31:32
Number of Replicates: 3
Batch ID:
Method File: C:\elandata\Method\0-MDL VERIFICATION.mth
Dataset File: c:\elandata\dataset\022405am\Blank.007

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
⌈	Cr	52		ug/L			4115.8	2.7
|	Ni	60		ug/L			180.0	16.5
|	Cu	65		ug/L			506.7	10.1
|	Zn	68		ug/L			1844.4	3.6
|	As	75		ug/L			189.0	36.2
⌊>	Ge	74		ug/L			1318413.1	0.8
⌈	Ag	107		ug/L			15.6	44.6
|	Cd	111		ug/L			-11.3	156.0
|	Sb	121		ug/L			48.9	21.9
⌊>	Rh	103		ug/L			1370822.5	1.2
⌈	Pb	208		ug/L			1936.7	1.3
⌊>	Ho	165		ug/L			1378269.8	1.8

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: Standard 1

Sample Description:
Sample Date/Time: Thursday, February 24, 2005 05:34:43
Number of Replicates: 3
Batch ID:
Method File: C:\elandata\Method\0-MDL VERIFICATION.mth
Dataset File: c:\elandata\dataset\022405am\Standard 1.008

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
┌	Cr	52	**5.000**	ug/L	0.8	4115.771	49340.3	1.4
│	Ni	60	**5.000**	ug/L	2.6	180.001	11850.5	1.9
│	Cu	65	**5.000**	ug/L	1.2	506.676	14428.4	0.8
│	Zn	68	**5.000**	ug/L	3.8	1844.448	8002.8	2.3
│	As	75	**5.000**	ug/L	0.6	188.960	9686.2	0.2
└>	Ge	74		ug/L		1318413.104	1284711.6	0.8
┌	Ag	107	**5.000**	ug/L	1.6	15.556	48678.4	0.9
│	Cd	111	**5.000**	ug/L	4.5	-11.333	11542.2	3.1
│	Sb	121	**5.000**	ug/L	2.7	48.889	43693.4	2.3
└>	Rh	103		ug/L		1370822.522	1347304.9	1.4
┌	Pb	208	**5.000**	ug/L	3.4	1936.718	234538.4	1.7
└>	Ho	165		ug/L		1378269.834	1371059.7	1.7

01391

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: Standard 2

Sample Description:
Sample Date/Time: Thursday, February 24, 2005 05:37:51
Number of Replicates: 3
Batch ID:
Method File: C:\elandata\Method\0-MDL VERIFICATION.mth
Dataset File: c:\elandata\dataset\022405am\Standard 2.009

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
⌈	Cr	52	**9.990**	ug/L	0.1	4115.771	95253.2	0.4
|	Ni	60	**9.949**	ug/L	1.5	180.001	23196.6	1.5
|	Cu	65	**10.042**	ug/L	0.4	506.676	29280.0	0.6
|	Zn	68	**10.219**	ug/L	2.5	1844.448	15867.8	2.3
|	As	75	**10.059**	ug/L	1.4	188.960	19980.2	1.3
⌊>	Ge	74		ug/L		1318413.104	1298670.7	0.4
⌈	Ag	107	**10.014**	ug/L	1.5	15.556	99594.9	1.4
|	Cd	111	**10.002**	ug/L	1.2	-11.333	23499.2	0.2
|	Sb	121	**9.928**	ug/L	0.4	48.889	85642.6	0.7
⌊>	Rh	103		ug/L		1370822.522	1368754.3	0.9
⌈	Pb	208	**10.007**	ug/L	1.3	1936.718	470083.4	0.5
⌊>	Ho	165		ug/L		1378269.834	1374413.3	1.6

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: Standard 3

Sample Description:
Sample Date/Time: Thursday, February 24, 2005 05:41:01
Number of Replicates: 3
Batch ID:
Method File: C:\elandata\Method\0-MDL VERIFICATION.mth
Dataset File: c:\elandata\dataset\022405am\Standard 3.010

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
⌈	Cr	52	**24.925**	ug/L	2.0	4115.771	227294.5	0.9
|	Ni	60	**25.096**	ug/L	3.6	180.001	59125.5	2.0
|	Cu	65	**24.722**	ug/L	2.5	506.676	67342.8	1.2
|	Zn	68	**24.800**	ug/L	1.9	1844.448	34471.6	2.4
|	As	75	**25.012**	ug/L	1.2	188.960	49327.0	2.2
⌊>	Ge	74		ug/L		1318413.104	1293579.1	1.6
⌈	Ag	107	**24.964**	ug/L	2.7	15.556	245395.5	1.2
|	Cd	111	**25.039**	ug/L	3.6	-11.333	59036.5	2.2
|	Sb	121	**25.038**	ug/L	2.4	48.889	216586.3	1.3
⌊>	Rh	103		ug/L		1370822.522	1362912.3	1.5
⌈	Pb	208	**25.016**	ug/L	1.0	1936.718	1173065.8	1.7
⌊>	Ho	165		ug/L		1378269.834	1370671.5	1.1

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: Standard 4

Sample Description:
Sample Date/Time: Thursday, February 24, 2005 05:44:41
Number of Replicates: 3
Batch ID:
Method File: C:\elandata\Method\0-MDL VERIFICATION.mth
Dataset File: c:\elandata\dataset\022405am\Standard 4.011

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
⌈	Cr	52	**50.091**	ug/L	0.4	4115.771	463442.1	0.8
|	Ni	60	**49.858**	ug/L	1.0	180.001	118250.7	0.7
|	Cu	65	**49.746**	ug/L	1.4	506.676	135095.8	1.0
|	Zn	68	**50.199**	ug/L	1.5	1844.448	69998.4	1.0
|	As	75	**49.955**	ug/L	2.7	188.960	99731.3	2.3
⌊>	Ge	74		ug/L		1318413.104	1315979.5	0.4
⌈	Ag	107	**50.264**	ug/L	2.2	15.556	501912.2	1.1
|	Cd	111	**50.283**	ug/L	1.4	-11.333	120619.6	1.2
|	Sb	121	**50.368**	ug/L	0.9	48.889	445705.4	1.0
⌊>	Rh	103		ug/L		1370822.522	1360044.5	1.6
⌈	Pb	208	**49.783**	ug/L	1.4	1936.718	2368578.5	0.6
⌊>	Ho	165		ug/L		1378269.834	1412154.6	0.9

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: Standard 5

Sample Description:
Sample Date/Time: Thursday, February 24, 2005 05:48:22
Number of Replicates: 3
Batch ID:
Method File: C:\elandata\Method\0-MDL VERIFICATION.mth
Dataset File: c:\elandata\dataset\022405am\Standard 5.012

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
⌈	Cr	52	**99.945**	ug/L	3.2	4115.771	905076.2	1.7
|	Ni	60	**99.996**	ug/L	1.8	180.001	233394.5	0.5
|	Cu	65	**99.663**	ug/L	1.6	506.676	263371.2	0.5
|	Zn	68	**99.872**	ug/L	0.7	1844.448	134872.7	1.2
|	As	75	**100.081**	ug/L	0.3	188.960	197154.8	1.8
⌊>	Ge	74		ug/L		1318413.104	1296461.4	1.8
⌈	Ag	107	**99.677**	ug/L	0.8	15.556	970636.0	0.4
|	Cd	111	**100.097**	ug/L	1.6	-11.333	237182.7	0.6
|	Sb	121	**100.217**	ug/L	1.0	48.889	879170.2	0.5
⌊>	Rh	103		ug/L		1370822.522	1339341.6	1.1
⌈	Pb	208	**99.188**	ug/L	1.6	1936.718	4544730.9	0.3
⌊>	Ho	165		ug/L		1378269.834	1394625.3	1.5

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: MSICV

Sample Description: 25 PPB CHECK SOLUTION
Sample Date/Time: Thursday, February 24, 2005 05:53:33
Number of Replicates: 3
Batch ID: 02-24-05
Method File: C:\elandata\Method\0-MDL VERIFICATION.mth
Dataset File: c:\elandata\dataset\022405am\MSICV.013

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
⌈	Cr	52	**24.748**	ug/L	1.1	4115.771	223973.3	1.2
|	Ni	60	**24.841**	ug/L	0.6	180.001	57291.3	0.8
|	Cu	65	**24.831**	ug/L	0.5	506.676	65057.8	0.7
|	Zn	68	**25.778**	ug/L	1.0	1844.448	35640.7	0.6
|	As	75	**24.852**	ug/L	1.0	188.960	48391.8	0.9
⌊>	Ge	74		ug/L		1318413.104	1277837.1	0.3
⌈	Ag	107	**25.293**	ug/L	2.8	15.556	246039.6	0.6
|	Cd	111	**25.290**	ug/L	2.1	-11.333	59862.6	1.0
|	Sb	121	**24.968**	ug/L	2.2	48.889	218873.2	1.7
⌊>	Rh	103		ug/L		1370822.522	1338384.4	2.4
⌈	Pb	208	**25.851**	ug/L	1.4	1936.718	1167050.4	0.9
⌊>	Ho	165		ug/L		1378269.834	1372456.5	2.1

01396

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: ICB

Sample Description: BLANK
Sample Date/Time: Thursday, February 24, 2005 06:01:45
Number of Replicates: 3
Batch ID: 02-24-05
Method File: C:\elandata\Method\0-MDL VERIFICATION.mth
Dataset File: c:\elandata\dataset\022405am\ICB.014

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
⌈	Cr	52	**0.000**	ug/L	5184.3	4115.771	4121.6	4.2
|	Ni	60	**-0.026**	ug/L	10.5	180.001	117.8	4.3
|	Cu	65	**-0.025**	ug/L	42.7	506.676	438.9	6.5
|	Zn	68	**-0.284**	ug/L	3.5	1844.448	1460.0	1.6
|	As	75	**-0.012**	ug/L	153.3	188.960	164.9	21.3
⌊>	Ge	74		ug/L		1318413.104	1319369.7	1.5
⌈	Ag	107	**0.003**	ug/L	25.6	15.556	48.9	17.2
|	Cd	111	**0.006**	ug/L	78.0	-11.333	2.4	441.7
|	Sb	121	**0.007**	ug/L	50.3	48.889	110.0	27.3
⌊>	Rh	103		ug/L		1370822.522	1377995.1	0.6
⌈	Pb	208	**-0.009**	ug/L	13.6	1936.718	1585.6	5.0
⌊>	Ho	165		ug/L		1378269.834	1410090.7	1.7

01397

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: 0.5 PPB (RL)

Sample Description:
Sample Date/Time: Thursday, February 24, 2005 06:11:09
Number of Replicates: 3
Batch ID: 02-24-05
Method File: C:\elandata\Method\0-MDL VERIFICATION.mth
Dataset File: c:\elandata\dataset\022405am\0.5 PPB (RL).017

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
⌈	Cr	52	**0.546**	ug/L	3.6	4115.771	8587.4	1.5
|	Ni	60	**0.463**	ug/L	3.8	180.001	1202.3	2.6
|	Cu	65	**0.472**	ug/L	2.2	506.676	1668.6	1.2
|	Zn	68	**0.553**	ug/L	21.9	1844.448	2441.6	5.9
|	As	75	**0.494**	ug/L	7.8	188.960	1109.2	6.5
⌊>	Ge	74		ug/L		1318413.104	1241201.4	0.6
⌈	Ag	107	**0.494**	ug/L	4.2	15.556	4733.0	3.9
|	Cd	111	**0.462**	ug/L	0.3	-11.333	1061.2	0.5
|	Sb	121	**0.491**	ug/L	5.1	48.889	4269.5	5.4
⌊>	Rh	103		ug/L		1370822.522	1312658.6	0.6
⌈	Pb	208	**0.510**	ug/L	3.2	1936.718	24089.0	2.0
⌊>	Ho	165		ug/L		1378269.834	1327906.2	1.6

01398

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: MSICSA

Sample Description:
Sample Date/Time: Thursday, February 24, 2005 06:17:26
Number of Replicates: 3
Batch ID: 02-24-05
Method File: C:\elandata\Method\0-MDL VERIFICATION.mth
Dataset File: c:\elandata\dataset\022405am\MSICSA.019

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
⌈	Cr	52	**1.022**	ug/L	4.1	4115.771	11273.3	2.1
|	Ni	60	**3.572**	ug/L	6.7	180.001	7230.7	6.2
|	Cu	65	**4.020**	ug/L	2.0	506.676	9435.3	1.9
|	Zn	68	**3.321**	ug/L	2.8	1844.448	5301.4	1.6
|	As	75	**0.528**	ug/L	13.0	188.960	1039.9	10.6
⌊>	Ge	74		ug/L		1318413.104	1101775.4	0.7
⌈	Ag	107	**0.058**	ug/L	8.8	15.556	474.5	8.8
|	Cd	111	**-0.020**	ug/L	197.7	-11.333	-46.5	159.9
|	Sb	121	**1.816**	ug/L	1.7	48.889	13007.0	1.4
⌊>	Rh	103		ug/L		1370822.522	1090364.8	0.6
⌈	Pb	208	**0.747**	ug/L	2.1	1936.718	31755.0	2.0
⌊>	Ho	165		ug/L		1378269.834	1224230.9	0.3

01399

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: MSICSAB

Sample Description:
Sample Date/Time: Thursday, February 24, 2005 06:20:35
Number of Replicates: 3
Batch ID: 02-24-05
Method File: C:\elandata\Method\0-MDL VERIFICATION.mth
Dataset File: c:\elandata\dataset\022405am\MSICSAB.020

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
⌈	Cr	52	**21.373**	ug/L	0.5	4115.771	164058.7	1.1
|	Ni	60	**41.896**	ug/L	1.7	180.001	81615.8	1.2
|	Cu	65	**22.456**	ug/L	1.5	506.676	49798.9	0.9
|	Zn	68	**21.055**	ug/L	1.2	1844.448	24897.8	1.0
|	As	75	**19.787**	ug/L	1.3	188.960	32616.5	0.8
⌊>	Ge	74		ug/L		1318413.104	1080765.8	0.6
⌈	Ag	107	**19.269**	ug/L	3.0	15.556	152687.3	1.6
|	Cd	111	**9.555**	ug/L	4.5	-11.333	18412.7	3.1
|	Sb	121	**1.942**	ug/L	2.7	48.889	13900.1	1.9
⌊>	Rh	103		ug/L		1370822.522	1090137.1	2.0
⌈	Pb	208	**0.742**	ug/L	0.8	1936.718	31659.3	0.9
⌊>	Ho	165		ug/L		1378269.834	1228853.6	0.3

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: QC Std 3

Sample Description:
Sample Date/Time: Thursday, February 24, 2005 20:58:27
Number of Replicates: 3
Batch ID:
Method File: C:\elandata\Method\0-MDL VERIFICATION.mth
Dataset File: c:\elandata\dataset\022405am\QC Std 3.277

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
⌈	Cr	52	**49.908**	ug/L	0.2	4115.771	385640.0	1.3
|	Ni	60	**50.290**	ug/L	2.8	180.001	99768.5	3.0
|	Cu	65	**49.248**	ug/L	2.5	506.676	110729.8	1.6
|	Zn	68	**50.524**	ug/L	1.5	1844.448	58709.9	2.5
|	As	75	**48.216**	ug/L	2.0	188.960	80726.4	0.9
⌊>	Ge	74		ug/L		1318413.104	1100894.8	1.2
⌈	Ag	107	**49.706**	ug/L	1.0	15.556	422382.3	0.5
|	Cd	111	**50.750**	ug/L	3.7	-11.333	104910.2	2.3
|	Sb	121	**50.999**	ug/L	2.1	48.889	390386.8	0.8
⌊>	Rh	103		ug/L		1370822.522	1168782.9	1.4
⌈	Pb	208	**51.545**	ug/L	1.3	1936.718	2249597.5	1.0
⌊>	Ho	165		ug/L		1378269.834	1327814.5	1.9

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: QC Std 4

Sample Description:
Sample Date/Time: Thursday, February 24, 2005 21:04:40
Number of Replicates: 3
Batch ID:
Method File: C:\elandata\Method\0-MDL VERIFICATION.mth
Dataset File: c:\elandata\dataset\022405am\QC Std 4.278

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
⌈	Cr	52	**-0.068**	ug/L	34.2	4115.771	2908.9	5.4
|	Ni	60	**-0.017**	ug/L	48.8	180.001	116.7	14.3
|	Cu	65	**-0.042**	ug/L	44.4	506.676	328.9	13.5
|	Zn	68	**-0.247**	ug/L	22.0	1844.448	1258.9	4.8
|	As	75	**-0.051**	ug/L	25.7	188.960	72.9	30.1
⌊>	Ge	74		ug/L		1318413.104	1099114.6	0.8
⌈	Ag	107	**0.007**	ug/L	25.3	15.556	74.4	20.7
|	Cd	111	**0.005**	ug/L	71.8	-11.333	0.4	1645.4
|	Sb	121	**0.039**	ug/L	13.9	48.889	344.4	12.4
⌊>	Rh	103		ug/L		1370822.522	1175017.9	0.9
⌈	Pb	208	**0.017**	ug/L	17.0	1936.718	2582.3	2.6
⌊>	Ho	165		ug/L		1378269.834	1319577.4	2.3

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: SOIL LCS

Sample Description: 20X
Sample Date/Time: Thursday, February 24, 2005 21:32:28
Number of Replicates: 3
Batch ID: SP949
Method File: C:\elandata\Method\0-MDL VERIFICATION.mth
Dataset File: c:\elandata\dataset\022405am\SOIL LCS.287

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
⌈	Cr	52	**40.197**	ug/L	3.3	4115.771	279745.9	2.2
|	Ni	60	**88.765**	ug/L	4.8	180.001	158147.0	3.9
|	Cu	65	**85.191**	ug/L	2.7	506.676	171907.3	1.8
|	Zn	68	**95.794**	ug/L	2.3	1844.448	98797.5	1.3
|	As	75	**90.471**	ug/L	1.8	188.960	136041.0	0.8
⌊>	Ge	74		ug/L		1318413.104	989628.9	1.1
⌈	Ag	107	**48.972**	ug/L	3.1	15.556	368066.7	1.8
|	Cd	111	**77.176**	ug/L	1.0	-11.333	141171.8	0.3
|	Sb	121	**87.455**	ug/L	0.9	48.889	592294.1	1.4
⌊>	Rh	103		ug/L		1370822.522	1033937.9	1.4
⌈	Pb	208	**87.941**	ug/L	0.6	1936.718	3591512.5	1.0
⌊>	Ho	165		ug/L		1378269.834	1242821.1	1.2

LCS

01403

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: QC Std 3

Sample Description:
Sample Date/Time: Thursday, February 24, 2005 21:35:37
Number of Replicates: 3
Batch ID:
Method File: C:\elandata\Method\0-MDL VERIFICATION.mth
Dataset File: c:\elandata\dataset\022405am\QC Std 3.288

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
⌈	Cr	52	**50.639**	ug/L	3.9	4115.771	375646.8	3.1
|	Ni	60	**50.171**	ug/L	0.7	180.001	95585.4	0.6
|	Cu	65	**49.890**	ug/L	1.3	506.676	107747.2	2.2
|	Zn	68	**50.821**	ug/L	1.0	1844.448	56698.7	1.0
|	As	75	**49.175**	ug/L	1.6	188.960	79068.2	0.5
⌊>	Ge	74		ug/L		1318413.104	1057269.1	1.1
⌈	Ag	107	**49.793**	ug/L	1.8	15.556	415663.1	2.0
|	Cd	111	**49.861**	ug/L	4.8	-11.333	101254.7	4.0
|	Sb	121	**51.153**	ug/L	2.6	48.889	384652.9	1.7
⌊>	Rh	103		ug/L		1370822.522	1148093.5	1.0
⌈	Pb	208	**51.419**	ug/L	0.3	1936.718	2205955.8	0.3
⌊>	Ho	165		ug/L		1378269.834	1305073.2	0.2

01494

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: QC Std 4

Sample Description:
Sample Date/Time: Thursday, February 24, 2005 21:41:50
Number of Replicates: 3
Batch ID:
Method File: C:\elandata\Method\0-MDL VERIFICATION.mth
Dataset File: c:\elandata\dataset\022405am\QC Std 4.289

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
⌈	Cr	52	**-0.081**	ug/L	18.3	4115.771	2801.9	3.4
|	Ni	60	**-0.021**	ug/L	53.4	180.001	107.8	20.6
|	Cu	65	**-0.065**	ug/L	21.6	506.676	276.7	11.6
|	Zn	68	**-0.225**	ug/L	38.7	1844.448	1279.9	8.5
|	As	75	**-0.004**	ug/L	244.1	188.960	151.0	9.2
⌊>	Ge	74		ug/L		1318413.104	1095525.2	0.8
⌈	Ag	107	**0.011**	ug/L	14.0	15.556	105.6	13.1
|	Cd	111	**0.006**	ug/L	83.3	-11.333	3.3	321.9
|	Sb	121	**0.050**	ug/L	11.4	48.889	422.2	10.5
⌊>	Rh	103		ug/L		1370822.522	1166170.5	1.2
⌈	Pb	208	**0.019**	ug/L	6.7	1936.718	2659.0	2.1
⌊>	Ho	165		ug/L		1378269.834	1308740.5	0.7

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: MB

Sample Description:
Sample Date/Time: Thursday, February 24, 2005 21:44:29
Number of Replicates: 3
Batch ID: SP949
Method File: C:\elandata\Method\0-MDL VERIFICATION.mth
Dataset File: c:\elandata\dataset\022405am\MB.290

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
⌈	Cr	52	**0.090**	ug/L	22.3	4115.771	3768.6	3.5
|	Ni	60	**-0.066**	ug/L	11.5	180.001	17.8	75.8
|	Cu	65	**-0.155**	ug/L	7.6	506.676	70.0	33.3
|	Zn	68	**-0.977**	ug/L	26.2	1844.448	398.2	67.8
|	As	75	**-0.200**	ug/L	53.7	188.960	-162.2	101.7
⌊>	Ge	74		ug/L		1318413.104	1005574.9	1.2
⌈	Ag	107	**0.009**	ug/L	14.1	15.556	80.0	14.4
|	Cd	111	**0.002**	ug/L	267.3	-11.333	-5.3	175.0
|	Sb	121	**0.042**	ug/L	15.0	48.889	333.3	11.1
⌊>	Rh	103		ug/L		1370822.522	1084289.7	2.4
⌈	Pb	208	**-0.016**	ug/L	10.9	1936.718	1088.9	6.2
⌊>	Ho	165		ug/L		1378269.834	1235665.5	2.1

MB

01406

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: 126377-1 (25X)

Sample Description: 25X
Sample Date/Time: Thursday, February 24, 2005 21:47:35
Number of Replicates: 3
Batch ID: SP949
Method File: C:\elandata\Method\0-MDL VERIFICATION.mth
Dataset File: c:\elandata\dataset\022405am\126377-1 (25X).291

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
⌈	Cr	52	**4.525**	ug/L	1.8	4115.771	35214.3	0.7
|	Ni	60	**4.153**	ug/L	0.9	180.001	7746.5	1.6
|	Cu	65	**7.195**	ug/L	2.4	506.676	15294.9	2.2
|	Zn	68	**31.509**	ug/L	3.5	1844.448	34382.5	2.5
|	As	75	**1.118**	ug/L	5.5	188.960	1872.4	4.2
⌊>	Ge	74		ug/L		1318413.104	1017981.7	1.0
⌈	Ag	107	**0.045**	ug/L	14.0	15.556	364.4	12.7
|	Cd	111	**0.149**	ug/L	8.9	-11.333	274.5	10.2
|	Sb	121	**0.162**	ug/L	8.2	48.889	1177.8	8.5
⌊>	Rh	103		ug/L		1370822.522	1076797.4	1.0
⌈	Pb	208	**3.602**	ug/L	0.9	1936.718	146875.0	0.7
⌊>	Ho	165		ug/L		1378269.834	1226792.8	0.3

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: 126377-1

Sample Description: 5X
Sample Date/Time: Thursday, February 24, 2005 21:50:41
Number of Replicates: 3
Batch ID: SP949
Method File: C:\elandata\Method\0-MDL VERIFICATION.mth
Dataset File: c:\elandata\dataset\022405am\126377-1.292

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
⌈	Cr	52	**23.999**	ug/L	2.8	4115.771	163765.2	1.9
|	Ni	60	**21.546**	ug/L	3.1	180.001	37465.8	2.7
|	Cu	65	**36.782**	ug/L	3.1	506.676	72445.5	2.3
|	Zn	68	**148.271**	ug/L	1.1	1844.448	148100.4	0.2
|	As	75	**5.474**	ug/L	1.8	188.960	8141.2	1.3
⌊>	Ge	74		ug/L		1318413.104	963117.5	0.9
⌈	Ag	107	**0.235**	ug/L	4.2	15.556	1793.4	6.0
|	Cd	111	**0.660**	ug/L	3.7	-11.333	1206.6	4.5
|	Sb	121	**0.676**	ug/L	2.7	48.889	4644.1	1.8
⌊>	Rh	103		ug/L		1370822.522	1040785.1	1.8
⌈	Pb	208	**17.887**	ug/L	0.7	1936.718	726687.0	0.8
⌊>	Ho	165		ug/L		1378269.834	1234036.9	1.4

01408

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: 126377-1D

Sample Description: 5X
Sample Date/Time: Thursday, February 24, 2005 21:53:48
Number of Replicates: 3
Batch ID: SP949
Method File: C:\elandata\Method\0-MDL VERIFICATION.mth
Dataset File: c:\elandata\dataset\022405am\126377-1D.293

Results (ug / l)

Dual Detector Mode

Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
Cr	52	**24.492**	ug/L	1.1	4115.771	164142.3	0.8
Ni	60	**21.941**	ug/L	2.3	180.001	37475.8	1.2
Cu	65	**37.275**	ug/L	1.1	506.676	72131.7	1.8
Zn	68	**153.661**	ug/L	0.3	1844.448	150736.5	0.8
As	75	**5.636**	ug/L	5.5	188.960	8227.7	4.3
Ge	74		ug/L		1318413.104	946146.3	1.1
Ag	107	**0.240**	ug/L	1.2	15.556	1790.1	0.9
Cd	111	**0.647**	ug/L	4.6	-11.333	1158.4	5.5
Sb	121	**0.681**	ug/L	0.2	48.889	4581.8	0.8
Rh	103		ug/L		1370822.522	1018327.5	0.9
Pb	208	**18.002**	ug/L	1.2	1936.718	728863.6	0.3
Ho	165		ug/L		1378269.834	1229839.8	1.0

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: 126377-1DD

Sample Description: 5X
Sample Date/Time: Thursday, February 24, 2005 21:56:55
Number of Replicates: 3
Batch ID: SP949
Method File: C:\elandata\Method\0-MDL VERIFICATION.mth
Dataset File: c:\elandata\dataset\022405am\126377-1DD.294

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
⌈	Cr	52	**20.705**	ug/L	2.0	4115.771	140506.5	3.3
|	Ni	60	**20.772**	ug/L	1.5	180.001	35818.2	2.8
|	Cu	65	**25.535**	ug/L	0.5	506.676	49973.9	1.7
|	Zn	68	**142.998**	ug/L	0.6	1844.448	141639.8	1.4
|	As	75	**3.995**	ug/L	6.2	188.960	5924.3	5.2
⌊>	Ge	74		ug/L		1318413.104	954689.5	1.3
⌈	Ag	107	**0.150**	ug/L	1.7	15.556	1137.8	2.0
|	Cd	111	**0.459**	ug/L	13.0	-11.333	827.4	10.9
|	Sb	121	**0.647**	ug/L	1.2	48.889	4406.2	3.4
⌊>	Rh	103		ug/L		1370822.522	1031029.5	2.8
⌈	Pb	208	**13.605**	ug/L	2.1	1936.718	552971.2	2.3
⌊>	Ho	165		ug/L		1378269.834	1233541.1	0.7

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: 126377-1S

Sample Description: 50X
Sample Date/Time: Thursday, February 24, 2005 22:00:02
Number of Replicates: 3
Batch ID: SP949
Method File: C:\elandata\Method\0-MDL VERIFICATION.mth
Dataset File: c:\elandata\dataset\022405am\126377-1S.295

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
⌈	Cr	52	**10.860**	ug/L	4.2	4115.771	83169.3	2.2
|	Ni	60	**23.022**	ug/L	2.5	180.001	43950.9	1.7
|	Cu	65	**12.835**	ug/L	3.9	506.676	28017.5	1.5
|	Zn	68	**35.208**	ug/L	0.9	1844.448	39752.3	1.8
|	As	75	**80.189**	ug/L	1.2	188.960	128923.6	2.7
⌊>	Ge	74		ug/L		1318413.104	1057855.7	2.6
⌈	Ag	107	**12.506**	ug/L	0.5	15.556	100916.5	2.8
|	Cd	111	**2.122**	ug/L	1.8	-11.333	4156.2	2.9
|	Sb	121	**63.019**	ug/L	3.1	48.889	457881.8	2.0
⌊>	Rh	103		ug/L		1370822.522	1109640.5	2.6
⌈	Pb	208	**23.083**	ug/L	1.6	1936.718	980826.0	1.6
⌊>	Ho	165		ug/L		1378269.834	1291400.6	1.7

Spike

01411

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: 126377-1SD

Sample Description: 50X
Sample Date/Time: Thursday, February 24, 2005 22:03:10
Number of Replicates: 3
Batch ID: SP949
Method File: C:\elandata\Method\0-MDL VERIFICATION.mth
Dataset File: c:\elandata\dataset\022405am\126377-1SD.296

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
⌈	Cr	52	**11.015**	ug/L	3.1	4115.771	81161.5	2.3
|	Ni	60	**23.841**	ug/L	1.3	180.001	43804.8	1.0
|	Cu	65	**13.200**	ug/L	3.6	506.676	27730.2	3.2
|	Zn	68	**35.244**	ug/L	1.8	1844.448	38294.2	1.6
|	As	75	**81.247**	ug/L	1.1	188.960	125705.1	1.9
⌊>	Ge	74		ug/L		1318413.104	1018075.2	2.0
⌈	Ag	107	**12.900**	ug/L	1.2	15.556	98988.5	2.0
|	Cd	111	**2.198**	ug/L	6.3	-11.333	4096.6	7.0
|	Sb	121	**65.039**	ug/L	1.0	48.889	449543.6	0.2
⌊>	Rh	103		ug/L		1370822.522	1055211.7	0.8
⌈	Pb	208	**23.767**	ug/L	1.8	1936.718	956796.7	1.1
⌊>	Ho	165		ug/L		1378269.834	1223609.6	1.5

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: 126377-1PS

Sample Description: 50X
Sample Date/Time: Thursday, February 24, 2005 22:06:19
Number of Replicates: 3
Batch ID: SP949
Method File: C:\elandata\Method\0-MDL VERIFICATION.mth
Dataset File: c:\elandata\dataset\022405am\126377-1PS.297

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
⌈	Cr	52	**11.355**	ug/L	2.5	4115.771	77339.4	1.3
|	Ni	60	**23.401**	ug/L	3.5	180.001	39786.5	2.6
|	Cu	65	**12.966**	ug/L	4.2	506.676	25205.6	2.3
|	Zn	68	**36.143**	ug/L	1.9	1844.448	36319.0	3.4
|	As	75	**82.209**	ug/L	1.6	188.960	117689.3	0.8
⌊>	Ge	74		ug/L		1318413.104	942125.7	1.9
⌈	Ag	107	**12.580**	ug/L	3.3	15.556	93447.0	3.0
|	Cd	111	**2.098**	ug/L	1.8	-11.333	3784.3	1.9
|	Sb	121	**61.417**	ug/L	1.9	48.889	410948.6	1.2
⌊>	Rh	103		ug/L		1370822.522	1021552.1	0.8
⌈	Pb	208	**23.424**	ug/L	0.4	1936.718	880603.4	0.2
⌊>	Ho	165		ug/L		1378269.834	1142523.5	0.4

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: BS

Sample Description: 50X
Sample Date/Time: Thursday, February 24, 2005 22:09:28
Number of Replicates: 3
Batch ID: SP949
Method File: C:\elandata\Method\0-MDL VERIFICATION.mth
Dataset File: c:\elandata\dataset\022405am\BS.298

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
⌈	Cr	52	**8.503**	ug/L	2.4	4115.771	62444.1	1.6
|	Ni	60	**21.018**	ug/L	3.0	180.001	38056.2	1.7
|	Cu	65	**10.272**	ug/L	2.4	506.676	21344.8	1.9
|	Zn	68	**19.775**	ug/L	1.6	1844.448	21782.3	0.6
|	As	75	**77.412**	ug/L	0.7	188.960	118008.5	2.0
⌊>	Ge	74		ug/L		1318413.104	1002900.5	1.3
⌈	Ag	107	**12.166**	ug/L	1.5	15.556	95073.1	1.0
|	Cd	111	**2.005**	ug/L	2.3	-11.333	3803.4	1.6
|	Sb	121	**61.663**	ug/L	1.6	48.889	434096.2	1.2
⌊>	Rh	103		ug/L		1370822.522	1074906.3	2.3
⌈	Pb	208	**20.992**	ug/L	2.5	1936.718	853127.5	1.1
⌊>	Ho	165		ug/L		1378269.834	1235113.5	1.4

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: BSD

Sample Description: 50X
Sample Date/Time: Thursday, February 24, 2005 22:12:37
Number of Replicates: 3
Batch ID: SP949
Method File: C:\elandata\Method\0-MDL VERIFICATION.mth
Dataset File: c:\elandata\dataset\022405am\BSD.299

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
Γ	Cr	52	**9.098**	ug/L	3.7	4115.771	66948.4	2.0
|	Ni	60	**21.567**	ug/L	1.3	180.001	39272.8	1.6
|	Cu	65	**10.581**	ug/L	3.9	506.676	22096.0	3.1
|	Zn	68	**20.199**	ug/L	2.2	1844.448	22342.0	0.9
|	As	75	**80.320**	ug/L	1.7	188.960	123095.2	0.9
L>	Ge	74		ug/L		1318413.104	1008509.9	1.6
Γ	Ag	107	**12.941**	ug/L	2.0	15.556	100104.1	2.4
|	Cd	111	**2.088**	ug/L	5.3	-11.333	3920.7	5.5
|	Sb	121	**65.006**	ug/L	1.9	48.889	452976.2	2.2
L>	Rh	103		ug/L		1370822.522	1063732.5	0.9
Γ	Pb	208	**21.904**	ug/L	1.3	1936.718	892785.0	2.5
L>	Ho	165		ug/L		1378269.834	1238406.7	1.5

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: QC Std 3

Sample Description:
Sample Date/Time: Thursday, February 24, 2005 22:15:48
Number of Replicates: 3
Batch ID:
Method File: C:\elandata\Method\0-MDL VERIFICATION.mth
Dataset File: c:\elandata\dataset\022405am\QC Std 3.300

Results (ug / l)

Dual Detector Mode

Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
Cr	52	**50.034**	ug/L	2.2	4115.771	386816.1	1.7
Ni	60	**49.408**	ug/L	1.4	180.001	98078.9	0.9
Cu	65	**49.919**	ug/L	2.8	506.676	112314.4	2.5
Zn	68	**50.204**	ug/L	0.2	1844.448	58379.4	0.6
As	75	**48.082**	ug/L	1.7	188.960	80561.8	1.3
Ge	74		ug/L		1318413.104	1101595.7	0.5
Ag	107	**50.455**	ug/L	2.4	15.556	431194.4	1.9
Cd	111	**50.527**	ug/L	3.1	-11.333	105052.9	1.3
Sb	121	**50.982**	ug/L	1.6	48.889	392548.6	1.3
Rh	103		ug/L		1370822.522	1175601.0	2.0
Pb	208	**51.837**	ug/L	1.2	1936.718	2247395.3	1.1
Ho	165		ug/L		1378269.834	1318969.2	1.4

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: QC Std 4

Sample Description:
Sample Date/Time: Thursday, February 24, 2005 22:22:01
Number of Replicates: 3
Batch ID:
Method File: C:\elandata\Method\0-MDL VERIFICATION.mth
Dataset File: c:\elandata\dataset\022405am\QC Std 4.301

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
⌈	Cr	52	**-0.093**	ug/L	25.0	4115.771	2828.9	5.5
|	Ni	60	**-0.028**	ug/L	21.3	180.001	98.9	11.8
|	Cu	65	**-0.055**	ug/L	16.4	506.676	311.1	5.9
|	Zn	68	**-0.316**	ug/L	9.8	1844.448	1226.8	2.2
|	As	75	**-0.036**	ug/L	142.7	188.960	101.3	88.8
⌊>	Ge	74		ug/L		1318413.104	1142171.3	1.0
⌈	Ag	107	**0.008**	ug/L	23.0	15.556	81.1	18.5
|	Cd	111	**0.008**	ug/L	69.6	-11.333	6.4	176.3
|	Sb	121	**0.053**	ug/L	8.9	48.889	458.9	8.4
⌊>	Rh	103		ug/L		1370822.522	1191095.7	0.7
⌈	Pb	208	**0.016**	ug/L	9.5	1936.718	2593.4	1.9
⌊>	Ho	165		ug/L		1378269.834	1353327.3	0.7

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: 126377-2

Sample Description: 5X
Sample Date/Time: Thursday, February 24, 2005 22:24:43
Number of Replicates: 3
Batch ID: SP949
Method File: C:\elandata\Method\0-MDL VERIFICATION.mth
Dataset File: c:\elandata\dataset\022405am\126377-2.302

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
⌈	Cr	52	**0.264**	ug/L	10.9	4115.771	5299.7	2.3
|	Ni	60	**-0.067**	ug/L	5.2	180.001	17.8	39.0
|	Cu	65	**-0.118**	ug/L	9.8	506.676	154.4	18.4
|	Zn	68	**-0.974**	ug/L	12.8	1844.448	423.5	30.3
|	As	75	**-0.017**	ug/L	1606.1	188.960	131.5	340.8
⌊>	Ge	74		ug/L		1318413.104	1069502.0	2.2
⌈	Ag	107	**0.005**	ug/L	18.9	15.556	51.1	13.6
|	Cd	111	**0.003**	ug/L	92.1	-11.333	-4.2	110.9
|	Sb	121	**0.044**	ug/L	7.3	48.889	364.4	6.9
⌊>	Rh	103		ug/L		1370822.522	1122197.9	0.8
⌈	Pb	208	**-0.012**	ug/L	22.3	1936.718	1286.7	8.1
⌊>	Ho	165		ug/L		1378269.834	1278945.3	0.8

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: 126377-3

Sample Description: 5X
Sample Date/Time: Thursday, February 24, 2005 22:27:54
Number of Replicates: 3
Batch ID: SP949
Method File: C:\elandata\Method\0-MDL VERIFICATION.mth
Dataset File: c:\elandata\dataset\022405am\126377-3.303

Results (ug / l)

Dual Detector Mode

Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
Cr	52	**20.704**	ug/L	0.2	4115.771	143873.1	1.2
Ni	60	**20.972**	ug/L	1.8	180.001	37024.6	0.8
Cu	65	**24.626**	ug/L	0.3	506.676	49371.8	1.3
Zn	68	**127.992**	ug/L	0.5	1844.448	129985.1	1.5
As	75	**3.928**	ug/L	3.6	188.960	5969.3	2.8
Ge	74		ug/L		1318413.104	977740.5	1.0
Ag	107	**0.152**	ug/L	2.6	15.556	1157.8	2.1
Cd	111	**0.368**	ug/L	4.5	-11.333	665.2	4.4
Sb	121	**0.469**	ug/L	3.7	48.889	3214.8	3.8
Rh	103		ug/L		1370822.522	1035545.9	0.6
Pb	208	**12.328**	ug/L	1.4	1936.718	503281.4	1.1
Ho	165		ug/L		1378269.834	1238645.4	0.4

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: 126377-4

Sample Description: 5X
Sample Date/Time: Thursday, February 24, 2005 22:31:05
Number of Replicates: 3
Batch ID: SP949
Method File: C:\elandata\Method\0-MDL VERIFICATION.mth
Dataset File: c:\elandata\dataset\022405am\126377-4.304

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
Γ	Cr	52	**23.049**	ug/L	3.5	4115.771	157004.2	1.7
I	Ni	60	**20.726**	ug/L	2.5	180.001	35955.2	0.5
I	Cu	65	**31.475**	ug/L	2.9	506.676	61900.5	2.1
I	Zn	68	**172.149**	ug/L	1.4	1844.448	171336.8	1.5
I	As	75	**4.990**	ug/L	1.5	188.960	7417.5	2.4
L>	Ge	74		ug/L		1318413.104	961067.3	2.8
Γ	Ag	107	**0.188**	ug/L	5.9	15.556	1430.1	5.7
I	Cd	111	**0.642**	ug/L	5.7	-11.333	1170.4	6.5
I	Sb	121	**0.805**	ug/L	5.3	48.889	5515.5	6.3
L>	Rh	103		ug/L		1370822.522	1038282.8	1.1
Γ	Pb	208	**17.545**	ug/L	1.0	1936.718	722676.7	0.5
L>	Ho	165		ug/L		1378269.834	1251045.8	0.7

01420

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: 126377-5

Sample Description: 5X
Sample Date/Time: Thursday, February 24, 2005 22:34:12
Number of Replicates: 3
Batch ID: SP949
Method File: C:\elandata\Method\0-MDL VERIFICATION.mth
Dataset File: c:\elandata\dataset\022405am\126377-5.305

Results (ug / l)

Dual Detector Mode

Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
Cr	52	**25.934**	ug/L	0.6	4115.771	178969.6	2.0
Ni	60	**23.640**	ug/L	1.6	180.001	41618.3	3.0
Cu	65	**36.185**	ug/L	1.3	506.676	72182.0	2.5
Zn	68	**197.730**	ug/L	1.1	1844.448	199522.1	1.8
As	75	**5.754**	ug/L	5.4	188.960	8661.3	6.7
Ge	74		ug/L		1318413.104	975134.8	1.4
Ag	107	**0.232**	ug/L	3.9	15.556	1779.0	4.1
Cd	111	**0.887**	ug/L	5.0	-11.333	1636.9	5.4
Sb	121	**0.719**	ug/L	1.3	48.889	4970.9	2.2
Rh	103		ug/L		1370822.522	1048188.0	2.5
Pb	208	**21.838**	ug/L	0.8	1936.718	914890.6	0.9
Ho	165		ug/L		1378269.834	1273064.1	0.9

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: 126377-6

Sample Description: 5X
Sample Date/Time: Thursday, February 24, 2005 22:37:16
Number of Replicates: 3
Batch ID: SP949
Method File: C:\elandata\Method\0-MDL VERIFICATION.mth
Dataset File: c:\elandata\dataset\022405am\126377-6.306

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
┌	Cr	52	**25.114**	ug/L	0.2	4115.771	182627.6	3.7
│	Ni	60	**24.718**	ug/L	1.0	180.001	45808.9	2.9
│	Cu	65	**34.391**	ug/L	1.8	506.676	72237.8	2.2
│	Zn	68	**187.153**	ug/L	1.1	1844.448	198970.2	3.7
│	As	75	**5.406**	ug/L	3.8	188.960	8572.1	3.6
└>	Ge	74		ug/L		1318413.104	1027073.0	3.9
┌	Ag	107	**0.218**	ug/L	8.3	15.556	1724.5	5.9
│	Cd	111	**0.699**	ug/L	3.7	-11.333	1327.1	0.8
│	Sb	121	**0.654**	ug/L	4.4	48.889	4667.4	2.4
└>	Rh	103		ug/L		1370822.522	1081163.7	3.8
┌	Pb	208	**19.826**	ug/L	1.6	1936.718	862302.6	2.4
└>	Ho	165		ug/L		1378269.834	1321255.2	1.0

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: 126377-7

Sample Description: 5X
Sample Date/Time: Thursday, February 24, 2005 22:40:20
Number of Replicates: 3
Batch ID: SP949
Method File: C:\elandata\Method\0-MDL VERIFICATION.mth
Dataset File: c:\elandata\dataset\022405am\126377-7.307

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
⌈	Cr	52	**14.949**	ug/L	2.0	4115.771	106662.6	1.9
|	Ni	60	**16.580**	ug/L	2.5	180.001	29837.8	0.4
|	Cu	65	**13.060**	ug/L	2.3	506.676	26841.9	0.9
|	Zn	68	**49.616**	ug/L	1.8	1844.448	52175.4	2.3
|	As	75	**3.280**	ug/L	14.0	188.960	5089.8	10.9
⌊>	Ge	74		ug/L		1318413.104	996092.0	2.9
⌈	Ag	107	**0.067**	ug/L	2.8	15.556	541.1	4.5
|	Cd	111	**-0.167**	ug/L	15.9	-11.333	-328.9	13.8
|	Sb	121	**0.152**	ug/L	12.6	48.889	1114.5	10.7
⌊>	Rh	103		ug/L		1370822.522	1083658.9	1.9
⌈	Pb	208	**4.786**	ug/L	2.5	1936.718	203183.8	1.6
⌊>	Ho	165		ug/L		1378269.834	1281824.4	3.7

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: 126377-8

Sample Description: 5X
Sample Date/Time: Thursday, February 24, 2005 22:43:25
Number of Replicates: 3
Batch ID: SP949
Method File: C:\elandata\Method\0-MDL VERIFICATION.mth
Dataset File: c:\elandata\dataset\022405am\126377-8.308

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
⌈	Cr	52	**22.685**	ug/L	2.5	4115.771	150859.0	2.3
|	Ni	60	**21.217**	ug/L	3.0	180.001	35909.5	1.4
|	Cu	65	**39.721**	ug/L	1.9	506.676	76132.4	1.6
|	Zn	68	**138.120**	ug/L	1.0	1844.448	134389.7	1.2
|	As	75	**5.382**	ug/L	5.8	188.960	7798.4	7.0
⌊>	Ge	74		ug/L		1318413.104	937568.0	1.6
⌈	Ag	107	**0.209**	ug/L	3.9	15.556	1557.9	2.6
|	Cd	111	**0.541**	ug/L	8.0	-11.333	967.2	6.3
|	Sb	121	**0.652**	ug/L	2.1	48.889	4390.7	1.3
⌊>	Rh	103		ug/L		1370822.522	1019469.6	1.9
⌈	Pb	208	**17.362**	ug/L	2.6	1936.718	706077.8	3.0
⌊>	Ho	165		ug/L		1378269.834	1235104.4	1.5

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: QC Std 3

Sample Description:
Sample Date/Time: Thursday, February 24, 2005 22:49:40
Number of Replicates: 3
Batch ID:
Method File: C:\elandata\Method\0-MDL VERIFICATION.mth
Dataset File: c:\elandata\dataset\022405am\QC Std 3.310

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
⌈	Cr	52	**48.562**	ug/L	1.5	4115.771	360380.2	1.8
|	Ni	60	**48.468**	ug/L	1.6	180.001	92326.3	1.5
|	Cu	65	**49.920**	ug/L	2.3	506.676	107786.4	2.7
|	Zn	68	**50.492**	ug/L	2.3	1844.448	56323.1	1.3
|	As	75	**49.230**	ug/L	1.8	188.960	79140.6	0.9
⌊>	Ge	74		ug/L		1318413.104	1057042.5	0.9
⌈	Ag	107	**49.943**	ug/L	1.3	15.556	414412.2	1.3
|	Cd	111	**50.226**	ug/L	3.7	-11.333	101395.6	3.1
|	Sb	121	**50.549**	ug/L	2.1	48.889	377863.0	1.7
⌊>	Rh	103		ug/L		1370822.522	1141219.6	1.0
⌈	Pb	208	**51.816**	ug/L	1.1	1936.718	2218711.0	0.7
⌊>	Ho	165		ug/L		1378269.834	1302628.7	0.8

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: QC Std 4

Sample Description:
Sample Date/Time: Thursday, February 24, 2005 22:55:53
Number of Replicates: 3
Batch ID:
Method File: C:\elandata\Method\0-MDL VERIFICATION.mth
Dataset File: c:\elandata\dataset\022405am\QC Std 4.311

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
⌈	Cr	52	**-0.082**	ug/L	4.7	4115.771	2851.7	1.7
|	Ni	60	**-0.026**	ug/L	43.2	180.001	100.0	23.3
|	Cu	65	**-0.063**	ug/L	25.5	506.676	286.7	13.4
|	Zn	68	**-0.232**	ug/L	23.9	1844.448	1296.7	5.5
|	As	75	**0.001**	ug/L	2156.1	188.960	162.3	30.9
⌊>	Ge	74		ug/L		1318413.104	1117316.7	0.7
⌈	Ag	107	**0.010**	ug/L	24.2	15.556	98.9	21.9
|	Cd	111	**-0.003**	ug/L	305.6	-11.333	-15.8	108.6
|	Sb	121	**0.030**	ug/L	7.3	48.889	282.2	7.9
⌊>	Rh	103		ug/L		1370822.522	1223365.9	1.6
⌈	Pb	208	**0.017**	ug/L	30.5	1936.718	2665.7	8.8
⌊>	Ho	165		ug/L		1378269.834	1349084.7	0.8

WinHg Database 1.4

File Utility Help

Protocol STL-PPB

Dataset/Proto 022505 /STL-PPB

Protocol | Line Info | Cal Curve | Report | Ctrl Chart | Viewer

Reset

Calib Coeffs

New Cal

Update Coeffs

Spike Coeffs

A

B 7.83332e-6

C -9.58085e-2

Rho .999769

Type Linear

☑ Calibrated

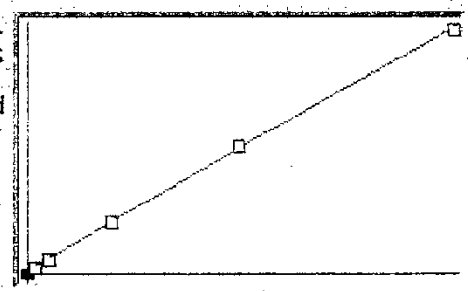
☑ Accepted

Accept

Rel. Abs.
1278016

Accepted

New



Conc. 10.0

Include S1 Rep 1☑ 2☑ 3☑ 4☐ 5☐

S	Conc.	Calc.	Dev.	Mean	SD or %RSD	Rep 1	Rep 2	Rep 3
01	.00000	-.042	-.042	6912	359	6508	7195	7035
02	.20000	.150	-.050	31396	4.09%	36816 ?	30487	32305
03	.50000	.483	-.017	73853	3.66%	75770	70759	75032
04	2.0000	2.05	.046	273407	2.55%	281447	269845	268928
05	5.0000	5.15	.148	669379	1.08%	677410	667290	663434
06	10.000	9.92	-.085	1278017	1.51%	1299891	1270563	1263596

Ready NUM

01427

Protocol: STL-PPB

POST-RUN REPORT

Line Conc. Units SD/RSD 1 2 3 4 5

*** Check Standard: 2 Ck2 4 PPB Seq: 18 11:08:17 25 Feb 05 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		103.	4.13	4.00	ppb	.000 %

*** Check Standard: 3 Ck3 2 PPB Seq: 19 11:12:57 25 Feb 05 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		103.	2.06	2.00	ppb	.000 %

*** Check Standard: 4 Ck4 5 PPB Seq: 20 11:17:47 25 Feb 05 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		103.	5.14	5.00	ppb	.000 %

*** Check Standard: 1 Ck1 BLANK Seq: 21 11:22:26 25 Feb 05 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.056	.200	ppb	.000 %

*** Check Standard: 4 Ck4 5 PPB Seq: 44 13:14:42 25 Feb 05 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		101.	5.06	5.00	ppb	.000 %

*** Check Standard: 1 Ck1 BLANK Seq: 45 13:19:21 25 Feb 05 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.077	.200	ppb	.000 %

*** Sample ID: mb-zs283 Seq: 46 13:24:05 25 Feb 05 HG

fcw system#1

Hg -.044 ppb .000 % -.044 MB

*** Sample ID: 126377-1 Seq: 47 13:29:14 25 Feb 05 HG

fcw system#1

Hg .326 ppb .000 % .326 Sample

*** Sample ID: 126377-1d Seq: 48 13:33:54 25 Feb 05 HG

fcw system#1

Hg .400 ppb .000 % .400 Dupl

*** Sample ID: 126377-1dd Seq: 49 13:38:33 25 Feb 05 HG

fcw system#1

Hg .356 ppb .000 % .356

*** Sample ID: 126377-1s Seq: 50 13:43:23 25 Feb 05 HG

fcw system#1

Hg 2.36 ppb .000 % 2.36 Spike

*** Sample ID: 126377-1sd Seq: 51 13:48:02 25 Feb 05 HG

fcw system#1

Hg 2.33 ppb .000 % 2.33

*** Sample ID: era(10X) Seq: 52 13:52:52 25 Feb 05 HG

fcw system#1

Hg 3.97 ppb .000 % 3.97 ERA

*** Sample ID: bs Seq: 53 13:57:41 25 Feb 05 HG

fcw system#1

Hg 1.95 ppb .000 % 1.95

01428

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-----------------------------------------------------------------------------

*** Sample ID: bsd                    Seq:  54     14:02:40 25 Feb 05   HG
                          fcw system#1
Hg    1.96    ppb       .000  %   1.96
                                                                          =

*** Check Standard: 4  Ck4 5 PPB    Seq:  55     14:07:19 25 Feb 05   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          101.     5.04    5.00   ppb        .000  %
                                                                          =

*** Check Standard: 1  Ck1 BLANK    Seq:  56     14:12:00 25 Feb 05   HG
Line  Flag  Found Range(+/-) Units      SD/RSD
Hg         -.073     .200     ppb        .000  %
                                                                          =

*** Sample ID: 126377-2               Seq:  57     14:16:43 25 Feb 05   HG
                          fcw system#1
Hg    .223    ppb       .000  %   .223
                                                                          =
=============================================================================
*** Sample ID: 126377-3               Seq:  58     14:21:27 25 Feb 05   HG
                          fcw system#1
Hg    .319    ppb       .000  %   .319
                                                                          =
=============================================================================
*** Sample ID: 126377-4               Seq:  59     14:26:36 25 Feb 05   HG
                          fcw system#1
Hg    .481    ppb       .000  %   .481
                                                                          =
=============================================================================
*** Sample ID: 126377-5               Seq:  60     14:31:28 25 Feb 05   HG
                          fcw system#1
Hg    .303    ppb       .000  %   .303
                                                                          =
=============================================================================
*** Sample ID: 126377-6               Seq:  61     14:36:11 25 Feb 05   HG
                          fcw system#1
Hg    .013    ppb       .000  %   .013
                                                                          =
=============================================================================
*** Sample ID: 126377-7               Seq:  62     14:40:52 25 Feb 05   HG
                          fcw system#1
Hg    .370    ppb       .000  %   .370
                                                                          =
=============================================================================
*** Sample ID: 126377-8               Seq:  63     14:45:44 25 Feb 05   HG
                          fcw system#1
Hg    .370    ppb       .000  %   .370
                                                                          =
=============================================================================
*** Sample ID: 126410-1               Seq:  64     14:50:23 25 Feb 05   HG
                          fcw system#1
Hg    .115    ppb       .000  %   .115
                                                                          =

*** Check Standard: 4  Ck4 5 PPB    Seq:  66     15:00:18 25 Feb 05   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          100.     5.00    5.00   ppb        .000  %
                                                                          =

*** Check Standard: 1  Ck1 BLANK    Seq:  67     15:04:57 25 Feb 05   HG
Line  Flag  Found Range(+/-) Units      SD/RSD
Hg         -.063     .200     ppb        .000  %
                                                                          =
```

01429

LABORATORY WORKSHEETS

01430

metals Worksheet - total

QC Level:Tier IV w/ COC requirements | **Due: 03/02/05** | **Work Order - 126377**

Matrix:solid

Parametrix, Inc. | Proj. Manager:Darla Powell

(8)

Special Instructions

5 day TAT
Subbed TOC & Sulfide to STL Denver
Subbed Grain Size to STL Burlington
Subbed Dioxin to STL Sac

Proj Spec QC

Sample number 126377-1	%Solids	Client Sample ID	0205-OS-VC-01
Sample Weight/Volume	QA/QC Batch SP949	Date Received	2/18/2005
		Date Sampled	**2/17/2005 1:45:00 PM**

Analyte Name	ICP	ICPMS	Result	PQL	Units
Antimony		X			
Arsenic					
Cadmium					
Chromium					
Copper					
Lead					
Nickel					
Silver					
Zinc					

Sample number 126377-2	%Solids	Client Sample ID	0205-OS-VC-02
Sample Weight/Volume	QA/QC Batch	Date Received	2/18/2005
		Date Sampled	**2/17/2005 8:30:00 AM**

Analyte Name	ICP	ICPMS	Result	PQL	Units
Antimony					
Arsenic					
Cadmium					
Chromium					
Copper					
Lead					
Nickel					
Silver					
Zinc					

See attached

Analyst _____ Date 2/24/05

Reviewed by TC Date 2/28

Organics worksheet v4.0
If you have suggestions for changes please bring them to me - Dennis

01431

metals Worksheet - total

QC Level:Tier IV	**Due: 03/02/05**	**Work Order - 126377**
Matrix:solid		
Parametrix, Inc.	Proj. Manager:Darla Powell	

Special Instructions

5 day TAT
Subbed TOC & Sulfide to STL Denver
Subbed Grain Size to STL Burlington
Subbed Dioxin to STL Sac

Sample number 126377-3	**%Solids**	Client Sample ID	0205-OS-VC-03
Sample Weight/Volume	**QA/QC Batch**	Date Received	2/18/2005
		Date Sampled	**2/17/2005 9:45:00 AM**

Analyte Name	ICP	ICPMS	Result	PQL	Units
Antimony					
Arsenic					
Cadmium					
Chromium					
Copper					
Lead					
Nickel					
Silver					
Zinc					

Sample number 126377-4	**%Solids**	Client Sample ID	0205-OS-VC-03A
Sample Weight/Volume	**QA/QC Batch**	Date Received	2/18/2005
		Date Sampled	**2/17/2005 9:45:00 AM**

Analyte Name	ICP	ICPMS	Result	PQL	Units
Antimony					
Arsenic					
Cadmium					
Chromium					
Copper					
Lead					
Nickel					
Silver					
Zinc					

Analyst _____ Date 2/24/05

Reviewed by _____ Date 2/28/05

Organics worksheet v4.0
If you have suggestions for changes please bring them to me - Dennis

01432

metals Worksheet - total

QC Level:Tier IV	Due: 03/02/05	Work Order - 126377
Matrix:solid		
Parametrix, Inc.	Proj. Manager:Darla Powell	

Special Instructions

5 day TAT
Subbed TOC & Sulfide to STL Denver
Subbed Grain Size to STL Burlington
Subbed Dioxin to STL Sac

Sample number 1263775	%Solids	Client Sample ID	0205-OS-VC-04
Sample Weight/Volume	QA/QC Batch	Date Received	2/18/2005
		Date Sampled	**2/17/2005 12:50:00 PM**

Analyte Name	ICP	ICPMS	Result	PQL	Units
Antimony					
Arsenic					
Cadmium					
Chromium					
Copper					
Lead					
Nickel					
Silver					
Zinc					

Sample number 1263774	%Solids	Client Sample ID	0205-OS-VC-05
Sample Weight/Volume	QA/QC Batch	Date Received	2/18/2005
		Date Sampled	**2/17/2005 10:50:00 AM**

Analyte Name	ICP	ICPMS	Result	PQL	Units
Antimony					
Arsenic					
Cadmium					
Chromium					
Copper					
Lead					
Nickel					
Silver					
Zinc					

Analyst [signature] Date 4/24/05

Reviewed by TL Date 2/28/05

Organics worksheet v4.0
If you have suggestions for changes please bring them to me - Dennis

01433

metals Worksheet - total

QC Level:Tier IV	Due: 03/02/05
Matrix:solid	Work Order - 126377
Parametrix, Inc.	Proj. Manager:Darla Powell

Special Instructions

5 day TAT
Subbed TOC & Sulfide to STL Denver
Subbed Grain Size to STL Burlington
Subbed Dioxin to STL Sac

Sample number 126377-7	%Solids	Client Sample ID	0205-OS-VC-06
Sample Weight/Volume	QA/QC Batch	Date Received	2/18/2005
		Date Sampled	**2/17/2005 11:25:00 AM**

Analyte Name	ICP	ICPMS	Result	PQL	Units
Antimony					
Arsenic					
Cadmium					
Chromium					
Copper					
Lead					
Nickel					
Silver					
Zinc					

Sample number 126377-8	%Solids	Client Sample ID	0205-OS-VC-06Z
Sample Weight/Volume	QA/QC Batch	Date Received	2/18/2005
		Date Sampled	**2/17/2005 11:20:00 AM**

Analyte Name	ICP	ICPMS	Result	PQL	Units
Antimony					
Arsenic					
Cadmium					
Chromium					
Copper					
Lead					
Nickel					
Silver					
Zinc					

Analyst [signature] Date 2/24/05
Reviewed by TC Date 2/28/05

Organics worksheet v4.0
If you have suggestions for changes please bring them to me - Dennis

01434

STL Seattle

Metals Digestion Log

QCBatch ID	sp949		
Sample Matrix	Soil Digestion Block (3050B Mod.)		
MS Spike No.	GPS#1 : 1001-11-17	Weighed By/Date	2-24-05
	GPS#2 : 1001-11-23		
	STD C: 1001-09-19	Mo & Sn : 1001-11-21	
HCL Lot No.	9406		
Nitric Acid Lot No.	9525		
H202 Lot No.	S007		

QC Sample Type	QC Identifier	Sample Wt (g)	Final Vol (mL)		Spike Vol
Method Blank	sp949	0.5000	50		
Duplicate	126377r1	0.5768	50		
Duplicate-2	126377r1	0.5552	50		
Blank Spike	ssp949	0.5000	50		1
Blank Spike Duplicate	dsp949	0.5000	50		1
Matrix Spike	126377s1	0.5684	50		1
Matrix Spike Duplicate	126377d1	0.5314	50		1
dup-2					
dup-2					
LCS					
ERA		0.5297	50		

Sample	Client Sample ID	Sample Weight (g)	Final Volume (mL)		
126377-1	0205-OS-VC-01	0.5493	50		
126377-2	0205-OS-VC-02	0.5393	50		
126377-3	0205-OS-VC-03	0.5357	50		
126377-4	0205-OS-VC-03A	0.6123	50		
126377-5	0205-OS-VC-04	0.6526	50		
126377-6	0205-OS-VC-05	0.6435	50		
126377-7	0205-OS-VC-06	0.5419	50		
126377-8	0205-OS-VC-06Z	0.6041	50		
126355-1	PP-1 @ 2'	0.5755	50		
126355-4	PP-4 @ 2'	0.5988	50		
126371-4	B2@8'	0.5680	50		
126371-8	B7@7'	0.5217	50		
126371-10	B5@48	0.5218	50		
126410-1	Sludge Cake	0.6224	50		
126411-1	51 Smoke Eater Dust from	0.5014	50		
			50		
			50		
			50		
			50		
			50		

01435

Mercury (CVAA) Worksheet - total

QC Level:Tier IV w/ COC & Requirements | Due: 03/02/05 | **Work Order - 126377**

Matrix:solid

Parametrix, Inc. | Proj. Manager:Darla Powell

Special Instructions

~~5 day~~ TAT DTP
Subbed TOC & Sulfide to STL Denver
Subbed Grain Size to STL Burlington
Subbed Dioxin to STL Sac

Proj Spec. QC

Sample number 126377-1	%Solids	Client Sample ID	0205-OS-VC-01
Sample Weight/Volume	QA/QC Batch 75283	Date Received	2/18/2005
		Date Sampled	**2/17/2005 1:45:00 PM**

Analyte Name	ICP	ICPMS	Result	PQL	Units
Mercury (CVAA)					

Sample number 126377-2	%Solids	Client Sample ID	0205-OS-VC-02
Sample Weight/Volume	QA/QC Batch	Date Received	2/18/2005
		Date Sampled	**2/17/2005 8:30:00 AM**

Analyte Name	ICP	ICPMS	Result	PQL	Units
Mercury (CVAA)					

Sample number 126377-3	%Solids	Client Sample ID	0205-OS-VC-03
Sample Weight/Volume	QA/QC Batch	Date Received	2/18/2005
		Date Sampled	**2/17/2005 9:45:00 AM**

Analyte Name	ICP	ICPMS	Result	PQL	Units
Mercury (CVAA)					

Sample number 126377-4	%Solids	Client Sample ID	0205-OS-VC-03A
Sample Weight/Volume	QA/QC Batch	Date Received	2/18/2005
		Date Sampled	**2/17/2005 9:45:00 AM**

Analyte Name	ICP	ICPMS	Result	PQL	Units
Mercury (CVAA)					

Sample number 126377-5	%Solids	Client Sample ID	0205-OS-VC-04
Sample Weight/Volume	QA/QC Batch	Date Received	2/18/2005
		Date Sampled	**2/17/2005 12:50:00 PM**

Analyte Name	ICP	ICPMS	Result	PQL	Units
Mercury (CVAA)					

See attached

Analyst [signature] Date 2/25/05

Reviewed by [signature] Date 2/25/05

Organics worksheet v4.0
If you have suggestions for changes please bring them to me - Dennis

01436

Mercury (CVAA) Worksheet - total

QC Level:Tier IV	Due: 03/02/05
Matrix:solid	Work Order - 126377
Parametrix, Inc.	Proj. Manager:Darla Powell

Special Instructions

5 day TAT
Subbed TOC & Sulfide to STL Denver
Subbed Grain Size to STL Burlington
Subbed Dioxin to STL Sac

Sample number 126377-6	%Solids	Client Sample ID	0205-OS-VC-05
Sample Weight/Volume	QA/QC Batch	Date Received	2/18/2005
		Date Sampled	**2/17/2005 10:50:00 AM**

Analyte Name	ICP	ICPMS	Result	PQL	Units
Mercury (CVAA)					

Sample number 126377-7	%Solids	Client Sample ID	0205-OS-VC-06
Sample Weight/Volume	QA/QC Batch	Date Received	2/18/2005
		Date Sampled	**2/17/2005 11:25:00 AM**

Analyte Name	ICP	ICPMS	Result	PQL	Units
Mercury (CVAA)					

Sample number 126377-8	%Solids	Client Sample ID	0205-OS-VC-06Z
Sample Weight/Volume	QA/QC Batch	Date Received	2/18/2005
		Date Sampled	**2/17/2005 11:20:00 AM**

Analyte Name	ICP	ICPMS	Result	PQL	Units
Mercury (CVAA)					

Analyst _____ Date 2/25/05
Reviewed by _____ Date 2/28/05

Organics worksheet v4.0
If you have suggestions for changes please bring them to me - Dennis

01437

Printed - 2/25/05

Mercury Digestion Log

QCBatch ID	zs283
Sample Matrix	solid
Hg Spike/Stds Soln Lot #	1001-10-10
ERA/Ctlk Stds Spike Soln.	11-35HG
H2SO4 Lot #	8159
HNO3 Lot #	7418
HCL Lot #	8156
SnCl2 Lot #	6678
KMnO4 Lot #	6913
K2S2O8 Lot #	6919
NaCl Lot #	8438
Hydroxylamine Sulfate Lot #	8133
Digestion Procedure	7471A

Weighed By/Date 2-25-05

Extracted By/Date

Comments

2/25/05

Spike Witness Signature/Date

QC Sample Type	QC Identifier	Sample Weight (g)	Final Volume (ml)	MS/BS spike amt (ml)	Standards
Method Blank	zs283	0.5000	50		Blank ppb
Duplicate	126377r1	0.5742	50		0.1 ppb
Duplicate-2	126377r1	0.5185	50		2.0 ppb
Blank Spike	szs283	0.5000	50	1	5.0 ppb
Blank Spike Duplicate	dzs283	0.5000	50	1	10.0 ppb
Matrix Spike	126377s1	0.5189	50	1	20.0 ppb
Matrix Spike Duplicate	126377d1	0.5070	50	1	100
Matrix Spike-2					
Matrix Spike Duplicate-2					
ERA	D040-540	0.1264	50		

Sample	Client Sample ID	Sample Weight (g)	Final Volume (ml)	Comments	Check Stds
126377-1	0205-OS-VC-01	0.5033	50	100	Blank ppb
126377-2	0205-OS-VC-02	0.5357	50	100	5.0 ppb
126377-3	0205-OS-VC-03	0.5808	50	100	2.0 ppb
126377-4	0205-OS-VC-03A	0.5065	50	100	4.0 ppb
126377-5	0205-OS-VC-04	0.5778	50	100	
126377-6	0205-OS-VC-05	0.5684	50	100	
126377-7	0205-OS-VC-06	0.6028	50	100	
126377-8	0205-OS-VC-06Z	0.5803	50	100	Bath Temp
126410-1	Sludge Cake	0.5809	50	100	

01438

STL Seattle

6a **Sample Information**

Client Name	**Parametrix, Inc.**
Work Order Number	**126377**
Sample Number	**1**
Data Filename	**sp949**
Client Sample ID	**0205-OS-VC-01**
Date Received	**02-18-05**
Date Prepared	**02-24-05**
Date Analyzed	**02-24-05**
Sample matrix type	**solid**
QC sample type	**sample**

Related Blan sp949

Sample weight (g)	**0.5493**	=	0.00055 /kg	Calc. Fact.	813.303617
Digest volume	**50**	=	50 ml	Dry Weight	.30738828 g
Dilution Factor	**5**	=	5	Sample Unit	mg/kg
% Solids	**55.96**	=	0.5596	Spike Factor	3.25321447
		=	1	Rept. Dil. Fa	5
Report in PPM	**1**	=	0.001		
mg/kg Carbon		=	1		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Arsenic	0.005474			4.45		0.407
x	Antimony	0.000676		4.2E-05	0.55	B2	0.407
x	Cadmium	0.00066			0.537		0.0813
x	Chromium	0.023999		0.00009	19.5	B2	0.0813
x	Copper	0.036782			29.9		0.407
x	Lead	0.017887			14.5		0.0813
x	Nickel	0.021546			17.5		0.407
x	Silver	0.000235			0.191		0.0813
x	Zinc	0.148271			121		0.407

STL Seattle

6a **Sample Information**

Client Name	**Parametrix, Inc.**
Work Order Number	**126377**
Sample Number	**1**
Data Filename	**zs283**
Client Sample ID	**0205-OS-VC-01**
Date Received	**02-18-05**
Date Prepared	**02-25-05**
Date Analyzed	**02-25-05**
Sample matrix type	**solid**
QC sample type	**sample**

Related Blan zs283

Sample weight (g)	**0.5033**	=	0.0005 /kg	Calc. Fact.	177.52739
Digest volume	**50**	=	50 ml	Dry Weight	.28164668 g
Dilution Factor		=	1	Sample Unit	mg/kg
% Solids	**55.96**	=	0.5596	Spike Factor	3.5505478
		=	1	Rept. Dil. Fa	1
Report in PPM	**1**	=	0.001		
mg/kg Carbon		=	1		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Mercury	0.000326			0.0579		0.0355

01440

STL Seattle

6a **Sample Information**

Client Name	**Parametrix, Inc.**
Work Order Number	**126377**
Sample Number	**2**
Data Filename	**sp949**
Client Sample ID	**0205-OS-VC-02**
Date Received	**02-18-05**
Date Prepared	**02-24-05**
Date Analyzed	**02-24-05**
Sample matrix type	**solid**
QC sample type	**sample**

Related Blan sp949

Sample weight (g)	**0.5393**	=	0.00054 /kg	Calc. Fact.	647.254788
Digest volume	**50**	=	50 ml	Dry Weight	.38624666 g
Dilution Factor	**5**	=	5	Sample Unit	mg/kg
% Solids	**71.62**	=	0.7162	Spike Factor	2.58901915
		=	1	Rept. Dil. Fa	5
Report in PPM	**1**	=	0.001		
mg/kg Carbon		=	1		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Antimony	0.000044		4.2E-05	0.0285	J B1	0.324
x	Chromium	0.000264		0.00009	0.171	B1	0.0647

STL Seattle

6a **Sample Information**

Client Name	**Parametrix, Inc.**	
Work Order Number	**126377**	
Sample Number	**2**	Related Blan zs283
Data Filename	**zs283**	
Client Sample ID	**0205-OS-VC-02**	
Date Received	**02-18-05**	
Date Prepared	**02-25-05**	
Date Analyzed	**02-25-05**	
Sample matrix type	**solid**	
QC sample type	**sample**	

Sample weight (g)	**0.5357**	=	0.00054 /kg	Calc. Fact.	130.320891
Digest volume	**50**	=	50 ml	Dry Weight	.38366834 g
Dilution Factor		=	1	Sample Unit	mg/kg
% Solids	**71.62**	=	0.7162	Spike Factor	2.60641782
		=	1	Rept. Dil. Fa	1
Report in PPM	**1**	=	0.001		
mg/kg Carbon		=	1		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Mercury	0.000223			0.0291		0.0261

01442

STL Seattle

6a **Sample Information**

Client Name	**Parametrix, Inc.**
Work Order Number	**126377**
Sample Number	**3**
Data Filename	**sp949**
Client Sample ID	**0205-OS-VC-03**
Date Received	**02-18-05**
Date Prepared	**02-24-05**
Date Analyzed	**02-24-05**
Sample matrix type	**solid**
QC sample type	**sample**

Related Blan sp949

Sample weight (g)	**0.5357**	=	0.00054 /kg	Calc. Fact.	703.041747
Digest volume	**50**	=	50 ml	Dry Weight	.35559766 g
Dilution Factor	**5**	=	5	Sample Unit	mg/kg
% Solids	**66.38**	=	0.6638	Spike Factor	2.81216699
		=	1	Rept. Dil. Fa	5
Report in PPM	**1**	=	0.001		
mg/kg Carbon		=	1		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Arsenic	0.003928			2.76		0.352
x	Antimony	0.000469		4.2E-05	0.33	J B2	0.352
x	Cadmium	0.000368			0.259		0.0703
x	Chromium	0.020704		0.00009	14.6	B2	0.0703
x	Copper	0.024626			17.3		0.352
x	Lead	0.012328			8.67		0.0703
x	Nickel	0.020972			14.7		0.352
x	Silver	0.000152			0.107		0.0703
x	Zinc	0.127992			90		0.352

STL Seattle

6a **Sample Information**

Client Name	**Parametrix, Inc.**
Work Order Number	**126377**
Sample Number	**3**
Data Filename	**zs283**
Client Sample ID	**0205-OS-VC-03**
Date Received	**02-18-05**
Date Prepared	**02-25-05**
Date Analyzed	**02-25-05**
Sample matrix type	**solid**
QC sample type	**sample**

Related Blan zs283

Sample weight (g)	**0.5808**	=	0.00058 /kg	Calc. Fact.	129.689898
Digest volume	**50**	=	50 ml	Dry Weight	.38553504 g
Dilution Factor		=	1	Sample Unit	mg/kg
% Solids	**66.38**	=	0.6638	Spike Factor	2.59379796
		=	1	Rept. Dil. Fa	1
Report in PPM	**1**	=	0.001		
mg/kg Carbon		=	1		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Mercury	0.000319			0.0414		0.0259

01444

STL Seattle

6a **Sample Information**

Client Name	**Parametrix, Inc.**
Work Order Number	**126377**
Sample Number	**4**
Data Filename	**sp949**
Client Sample ID	**205-OS-VC-03A**
Date Received	**02-18-05**
Date Prepared	**02-24-05**
Date Analyzed	**02-24-05**
Sample matrix type	**solid**
QC sample type	**sample**

Related Blan sp949

Sample weight (g)	**0.6123**	=	0.00061 /kg	Calc. Fact.	614.534297
Digest volume	**50**	=	50 ml	Dry Weight	.40681212 g
Dilution Factor	**5**	=	5	Sample Unit	mg/kg
% Solids	**66.44**	=	0.6644	Spike Factor	2.45813719
		=	1	Rept. Dil. Fa	5
Report in PPM	**1**	=	0.001		
mg/kg Carbon		=	1		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Arsenic	0.00499			3.07		0.307
x	Antimony	0.000805		4.2E-05	0.495	B2	0.307
x	Cadmium	0.000642			0.395		0.0615
x	Chromium	0.023049		0.00009	14.2	B2	0.0615
x	Copper	0.031475			19.3		0.307
x	Lead	0.017545			10.8		0.0615
x	Nickel	0.020726			12.7		0.307
x	Silver	0.000188			0.116		0.0615
x	Zinc	0.172149			106		0.307

STL Seattle

6a **Sample Information**

Client Name	**Parametrix, Inc.**
Work Order Number	**126377**
Sample Number	**4**
Data Filename	**zs283**
Client Sample ID	**205-OS-VC-03A**
Date Received	**02-18-05**
Date Prepared	**02-25-05**
Date Analyzed	**02-25-05**
Sample matrix type	**solid**
QC sample type	**sample**

Related Blan zs283

Sample weight (g)	**0.5065**	=	0.00051 /kg	Calc. Fact.	148.580197
Digest volume	**50**	=	50 ml	Dry Weight	0.3365186 g
Dilution Factor		=	1	Sample Unit	mg/kg
% Solids	**66.44**	=	0.6644	Spike Factor	2.97160395
		=	1	Rept. Dil. Fa	1
Report in PPM	**1**	=	0.001		
mg/kg Carbon		=	1		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Mercury	0.000481			0.0715		0.0297

01446

STL Seattle

6a **Sample Information**

Client Name	**Parametrix, Inc.**
Work Order Number	**126377**
Sample Number	**5**
Data Filename	**sp949**
Client Sample ID	**0205-OS-VC-04**
Date Received	**02-18-05**
Date Prepared	**02-24-05**
Date Analyzed	**02-24-05**
Sample matrix type	**solid**
QC sample type	**sample**

Related Blan sp949

Sample weight (g)	**0.6526**	=	0.00065 /kg	Calc. Fact.	545.313954
Digest volume	**50**	=	50 ml	Dry Weight	0.4584515 g
Dilution Factor	**5**	=	5	Sample Unit	mg/kg
% Solids	**70.25**	=	0.7025	Spike Factor	2.18125581
		=	1	Rept. Dil. Fa	5
Report in PPM	**1**	=	0.001		
mg/kg Carbon		=	1		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Arsenic	0.005754			3.14		0.273
x	Antimony	0.000719		4.2E-05	0.392	B2	0.273
x	Cadmium	0.000887			0.484		0.0545
x	Chromium	0.025934		0.00009	14.1	B2	0.0545
x	Copper	0.036185			19.7		0.273
x	Lead	0.021838			11.9		0.0545
x	Nickel	0.02364			12.9		0.273
x	Silver	0.000232			0.127		0.0545
x	Zinc	0.19773			108		0.273

STL Seattle

6a **Sample Information**

Client Name	**Parametrix, Inc.**	
Work Order Number	**126377**	
Sample Number	**5**	Related Blan zs283
Data Filename	**zs283**	
Client Sample ID	**0205-OS-VC-04**	
Date Received	**02-18-05**	
Date Prepared	**02-25-05**	
Date Analyzed	**02-25-05**	
Sample matrix type	**solid**	
QC sample type	**sample**	

Sample weight (g)	**0.5778**	=	0.00058 /kg	Calc. Fact.	123.181684
Digest volume	**50**	=	50 ml	Dry Weight	0.4059045 g
Dilution Factor		=	1	Sample Unit	mg/kg
% Solids	**70.25**	=	0.7025	Spike Factor	2.46363369
		=	1	Rept. Dil. Fa	1
Report in PPM	**1**	=	0.001		
mg/kg Carbon		=	1		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Mercury	0.000303			0.0373		0.0246

01448

STL Seattle

6a **Sample Information**

Client Name	**Parametrix, Inc.**
Work Order Number	**126377**
Sample Number	**6**
Data Filename	**sp949**
Client Sample ID	**0205-OS-VC-05**
Date Received	**02-18-05**
Date Prepared	**02-24-05**
Date Analyzed	**02-24-05**
Sample matrix type	**solid**
QC sample type	**sample**

Related Blan sp949

Sample weight (g)	**0.6435**	=	0.00064 /kg	Calc. Fact.	455.025051
Digest volume	**50**	=	50 ml	Dry Weight	0.5494203 g
Dilution Factor	**5**	=	5	Sample Unit	mg/kg
% Solids	**85.38**	=	0.8538	Spike Factor	1.8201002
		=	1	Rept. Dil. Fa	5
Report in PPM	**1**	=	0.001		
mg/kg Carbon		=	1		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Arsenic	0.005406			2.46		0.228
x	Antimony	0.000654		4.2E-05	0.298	B2	0.228
x	Cadmium	0.000699			0.318		0.0455
x	Chromium	0.025114		0.00009	11.4	B2	0.0455
x	Copper	0.034391			15.6		0.228
x	Lead	0.019826			9.02		0.0455
x	Nickel	0.024718			11.2		0.228
x	Silver	0.000218			0.0992		0.0455
x	Zinc	0.187153			85.2		0.228

STL Seattle

6a **Sample Information**

Client Name	**Parametrix, Inc.**
Work Order Number	**126377**
Sample Number	**6**
Data Filename	**zs283**
Client Sample ID	**0205-OS-VC-05**
Date Received	**02-18-05**
Date Prepared	**02-25-05**
Date Analyzed	**02-25-05**
Sample matrix type	**solid**
QC sample type	**sample**

Related Blan zs283

Sample weight (g)	**0.5684**	=	0.00057 /kg	Calc. Fact.	103.029071
Digest volume	**50**	=	50 ml	Dry Weight	.48529992 g
Dilution Factor		=	1	Sample Unit	mg/kg
% Solids	**85.38**	=	0.8538	Spike Factor	2.06058142
		=	1	Rept. Dil. Fa	1
Report in PPM	**1**	=	0.001		
mg/kg Carbon		=	1		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL

01450

STL Seattle

6a **Sample Information**

Client Name	**Parametrix, Inc.**
Work Order Number	**126377**
Sample Number	**7**
Data Filename	**sp949**
Client Sample ID	**0205-OS-VC-06**
Date Received	**02-18-05**
Date Prepared	**02-24-05**
Date Analyzed	**02-24-05**
Sample matrix type	**solid**
QC sample type	**sample**

Related Blan sp949

Sample weight (g)	**0.5419**	=	0.00054 /kg	Calc. Fact.	770.440432
Digest volume	**50**	=	50 ml	Dry Weight	.32448972 g
Dilution Factor	**5**	=	5	Sample Unit	mg/kg
% Solids	**59.88**	=	0.5988	Spike Factor	3.08176173
		=	1	Rept. Dil. Fa	5
Report in PPM	**1**	=	0.001		
mg/kg Carbon		=	1		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Arsenic	0.00328			2.53		0.385
x	Antimony	0.000152		4.2E-05	0.117	J B1	0.385
x	Chromium	0.014949		0.00009	11.5	B2	0.077
x	Copper	0.01306			10.1		0.385
x	Lead	0.004786			3.69		0.077
x	Nickel	0.01658			12.8		0.385
x	Silver	0.000067			0.0516	J	0.077
x	Zinc	0.049616			38.2		0.385

STL Seattle

6a **Sample Information**

Client Name	**Parametrix, Inc.**
Work Order Number	**126377**
Sample Number	**7**
Data Filename	**zs283**
Client Sample ID	**0205-OS-VC-06**
Date Received	**02-18-05**
Date Prepared	**02-25-05**
Date Analyzed	**02-25-05**
Sample matrix type	**solid**
QC sample type	**sample**

Related Blan zs283

Sample weight (g)	**0.6028**	=	0.0006 /kg	Calc. Fact.	138.520793
Digest volume	**50**	=	50 ml	Dry Weight	.36095664 g
Dilution Factor		=	1	Sample Unit	mg/kg
% Solids	**59.88**	=	0.5988	Spike Factor	2.77041586
		=	1	Rept. Dil. Fa	1
Report in PPM	**1**	=	0.001		
mg/kg Carbon		=	1		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Mercury	0.00037			0.0513		0.0277

01452

STL Seattle

6a **Sample Information**

Client Name	**Parametrix, Inc.**
Work Order Number	**126377**
Sample Number	**8**
Data Filename	**sp949**
Client Sample ID	**205-OS-VC-06Z**
Date Received	**02-18-05**
Date Prepared	**02-24-05**
Date Analyzed	**02-24-05**
Sample matrix type	**solid**
QC sample type	**sample**

Related Blan sp949

Sample weight (g)	**0.6041**	=	0.0006 /kg	Calc. Fact.	715.3652
Digest volume	**50**	=	50 ml	Dry Weight	.34947185 g
Dilution Factor	**5**	=	5	Sample Unit	mg/kg
% Solids	**57.85**	=	0.5785	Spike Factor	2.8614608
		=	1	Rept. Dil. Fa	5
Report in PPM	**1**	=	0.001		
mg/kg Carbon		=	1		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Arsenic	0.005382			3.85		0.358
x	Antimony	0.000652		4.2E-05	0.466	B2	0.358
x	Cadmium	0.000541			0.387		0.0715
x	Chromium	0.022685		0.00009	16.2	B2	0.0715
x	Copper	0.039721			28.4		0.358
x	Lead	0.017362			12.4		0.0715
x	Nickel	0.021217			15.2		0.358
x	Silver	0.000209			0.15		0.0715
x	Zinc	0.13812			98.8		0.358

STL Seattle

6a **Sample Information**

Client Name	**Parametrix, Inc.**
Work Order Number	**126377**
Sample Number	**8**
Data Filename	**zs283**
Client Sample ID	**205-OS-VC-06Z**
Date Received	**02-18-05**
Date Prepared	**02-25-05**
Date Analyzed	**02-25-05**
Sample matrix type	**solid**
QC sample type	**sample**

Related Blan zs283

Sample weight (g)	**0.5803**	=	0.00058 /kg	Calc. Fact.	148.940933
Digest volume	**50**	=	50 ml	Dry Weight	.33570355 g
Dilution Factor		=	1	Sample Unit	mg/kg
% Solids	**57.85**	=	0.5785	Spike Factor	2.97881866
		=	1	Rept. Dil. Fa	1
Report in PPM	**1**	=	0.001		
mg/kg Carbon		=	1		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Mercury	0.00037			0.0551		0.0298

01454

STL Seattle

6a **Sample Information**

Client Name	
Work Order Number	
Sample Number	Related Blan noblank
Data Filename	**sp949**
Client Sample ID	
Date Received	
Date Prepared	**02-24-05**
Date Analyzed	**02-24-05**
Sample matrix type	**solid**
QC sample type	**blank**

Sample weight (g)		=	0.0005 /kg	Calc. Fact.	100
Digest volume	**50**	=	50 ml	Dry Weight	0 g
Dilution Factor		=	1	Sample Unit	mg/kg
% Solids		=	1	Spike Factor	2
		=	1	Rept. Dil. Fa	1
Report in PPM	**1**	=	0.001		
mg/kg Carbon		=	1		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Antimony	0.000042			0.0042	J	0.05
x	Chromium	0.00009			0.009	J	0.01

STL Seattle

6a **Sample Information**

Client Name					
Work Order Number					
Sample Number				Related Blan noblank	
Data Filename	**zs283**				
Client Sample ID					
Date Received					
Date Prepared	**02-25-05**				
Date Analyzed	**02-25-05**				
Sample matrix type	**solid**				
QC sample type	**blank**				
Sample weight (g)	**0.5**	=	0.0005 /kg	Calc. Fact.	100
Digest volume	**50**	=	50 ml	Dry Weight	0.5 g
Dilution Factor		=	1	Sample Unit	mg/kg
% Solids		=	1	Spike Factor	2
		=	1	Rept. Dil. Fa	1
Report in PPM	**1**	=	0.001		
mg/kg Carbon		=	1		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL

01456

AMMONIA DATA PACKAGE

Ammonia, Soils - EPA 350.2

Prep Date: 2/23/2005
Run Date: 2/23/2005
Batch: 1161-126
Analyst: dem

Titrant Norm: 0.257

Sample ID	Client ID	Sample (gm)	Titrant (ml)	% Solids	Result (mg/kg)	PQL
126377-1	0205-OS-VC-01	15.5154	1	55.96	414.0	41.0
126377-2	0205-OS-VC-02	15.9867	0.9	71.62	283.0	31.0
126377-3	0205-OS-VC-03	15.8462	0.7	66.38	239.0	34.0
126377-4	0205-OS-VC-03A	15.4933	0.5	66.44	175.0	35.0
126377-5	0205-OS-VC-04	15.4479	0.5	70.25	166.0	33.0
126377-6	0205-OS-VC-05	15.3621	0.2	85.38	54.9	27.0
126377-7	0205-OS-VC-06	15.513	0.6	59.88	232.0	39.0
126377-8	0205-OS-VC-06Z	15.487	1	57.85	402.0	40.0
126377-8d	0205-OS-VC-02	15.5092	1	57.85	401.0	40.0
126377-8ms	0205-OS-VC-03	15.5049	3.6	57.85	1440.0	40.0
Method Blank	0	0.5001	0.1	100	720.0	720.0
Standard	0185-125-7	0.5038	9.5	100	6.8	%

Matrix Spike

Sample No	Sample Result	Spike Result	Spike	%R
126377-8	402	1440	1115	93.1

Duplicate

Sample No	Sample Result	Duplicate	RPD
126377-8	402	401	0.2

QC Check Standard

Stand ID	True Value	Result	% D
0185-125-7	6.8	6.8	0.0

Spike Witness:

Ammonia Worksheet - total

QC Level:Tier IV w/ CCE requirements	Due: 03/02/05	Work Order - 126377
Matrix:solid		
Parametrix, Inc.	Proj. Manager:Darla Powell	

Special Instructions

~~5 day TAT~~ DP
Subbed TOC & Sulfide to STL Denver
Subbed Grain Size to STL Burlington
Subbed Dioxin to STL Sac

Proj spec QC.

Sample number 126377-1	%Solids	Client Sample ID	0205-OS-VC-01
Sample Weight/Volume	QA/QC Batch	Date Sampled	2/17/2005 1:45:00 PM

Analyte Name	Method	Result	PQL	Units
Ammonia				

Sample number 126377-2	%Solids	Client Sample ID	0205-OS-VC-02
Sample Weight/Volume	QA/QC Batch	Date Sampled	2/17/2005 8:30:00 AM

Analyte Name	Method	Result	PQL	Units
Ammonia				

Sample number 126377-3	%Solids	Client Sample ID	0205-OS-VC-03
Sample Weight/Volume	QA/QC Batch	Date Sampled	2/17/2005 9:45:00 AM

Analyte Name	Method	Result	PQL	Units
Ammonia				

Sample number 126377-4	%Solids	Client Sample ID	0205-OS-VC-03A
Sample Weight/Volume	QA/QC Batch	Date Sampled	2/17/2005 9:45:00 AM

Analyte Name	Method	Result	PQL	Units
Ammonia				

Sample number 126377-5	%Solids	Client Sample ID	0205-OS-VC-04
Sample Weight/Volume	QA/QC Batch	Date Sampled	2/17/2005 12:50:00 PM

Analyte Name	Method	Result	PQL	Units
Ammonia				

See attached

Analyst [signature] Date 2-23-05

Reviewed by [signature] Date 2-23-05

Organics worksheet v4.0
If you have suggestions for changes please bring them to me - Dennis

01459

Ammonia Worksheet - total

QC Level:Tier IV

Matrix:solid

Due: 03/02/05 | **Work Order - 126377**

Parametrix, Inc.

Proj. Manager:Darla Powell

Special Instructions

5 day TAT
Subbed TOC & Sulfide to STL Denver
Subbed Grain Size to STL Burlington
Subbed Dioxin to STL Sac

Sample number 126377-6	%Solids	Client Sample ID	0205-OS-VC-05
Sample Weight/Volume	QA/QC Batch	**Date Sampled**	2/17/2005 10:50:00 AM

Analyte Name	Method	Result	PQL	Units
Ammonia				

Sample number 126377-7	%Solids	Client Sample ID	0205-OS-VC-06
Sample Weight/Volume	QA/QC Batch	**Date Sampled**	2/17/2005 11:25:00 AM

Analyte Name	Method	Result	PQL	Units
Ammonia				

Sample number 126377-8	%Solids	Client Sample ID	0205-OS-VC-06Z
Sample Weight/Volume	QA/QC Batch	**Date Sampled**	2/17/2005 11:20:00 AM

Analyte Name	Method	Result	PQL	Units
Ammonia				

Analyst DM Date 2-23-05

Reviewed by [signature] Date 2-23-05

Organics worksheet v4.0
If you have suggestions for changes please bring them to me - Dennis

01460

TOTAL VOLATILE SOLIDS DATA PACKAGE

Total Volatile Solids Method 160.4

Batch ID 602-86-9

Date 2/22/2005

Analyst dem

Sample #	Cup #	A Sample	Sample Weight	Tare Weight	TVS(%)	PQL
126377-1	I	53.5817	52.3713	30.2629	5.191	0.01%
126377-2	J	62.2063	61.4465	31.3155	2.460	0.01%
126377-3	N	65.7049	64.5823	30.872	3.223	0.01%
126377-4	P	66.0994	64.996	32.2322	3.258	0.01%
126377-5	Q	72.2611	71.1387	30.6824	2.699	0.01%
126377-6	R	53.2234	53.0502	30.589	0.765	0.01%
126377-7	10	56.3741	55.1384	29.2645	4.558	0.01%
126377-8	41	57.6827	56.3653	33.8739	5.533	0.01%
126377-8 dup	Z	57.8031	56.3	30.7338	5.553	0.01%
Method Blank	Y	37.9755	37.9759	31.2995	-0.006	

Duplicate %D -0.35

Total Volatile Solids Worksheet - total

QC Level:Tier IV w/COE - requirements
Matrix:solid
Parametrix, Inc.

Due: 03/02/05 | **Work Order - 126377**

Proj. Manager:Darla Powell

Special Instructions

5 day TAT
Subbed TOC & Sulfide to STL Denver
Subbed Grain Size to STL Burlington
Subbed Dioxin to STL Sac

Proj Spec QC

Sample number 126377-1	%Solids	Client Sample ID	0205-OS-VC-01
Sample Weight/Volume	QA/QC Batch 602-86-9	Date Sampled	2/17/2005 1:45:00 PM

Analyte Name	Method	Result	PQL	Units
Total Volatile Solids	160.4	5.191	.01	%

Sample number 126377-2	%Solids	Client Sample ID	0205-OS-VC-02
Sample Weight/Volume	QA/QC Batch	Date Sampled	2/17/2005 8:30:00 AM

Analyte Name	Method	Result	PQL	Units
Total Volatile Solids		2.460		

Sample number 126377-3	%Solids	Client Sample ID	0205-OS-VC-03
Sample Weight/Volume	QA/QC Batch	Date Sampled	2/17/2005 9:45:00 AM

Analyte Name	Method	Result	PQL	Units
Total Volatile Solids		3.223		

Sample number 126377-4	%Solids	Client Sample ID	0205-OS-VC-03A
Sample Weight/Volume	QA/QC Batch	Date Sampled	2/17/2005 9:45:00 AM

Analyte Name	Method	Result	PQL	Units
Total Volatile Solids		3.258		

Sample number 126377-5	%Solids	Client Sample ID	0205-OS-VC-04
Sample Weight/Volume	QA/QC Batch	Date Sampled	2/17/2005 12:50:00 PM

Analyte Name	Method	Result	PQL	Units
Total Volatile Solids		2.699		

See attached

Analyst DLL Date 2-23-05
Reviewed by Date 3/24/05

Organics worksheet v4.0
If you have suggestions for changes please bring them to me - Dennis

01463

Total Volatile Solids Worksheet - total

QC Level:Tier IV	**Due: 03/02/05**	**Work Order - 126377**
Matrix:solid		
Parametrix, Inc.	Proj. Manager:Darla Powell	

Special Instructions

5 day TAT
Subbed TOC & Sulfide to STL Denver
Subbed Grain Size to STL Burlington
Subbed Dioxin to STL Sac

Sample number 126377-4	%Solids	Client Sample ID	0205-OS-VC-05
Sample Weight/Volume	QA/QC Batch 6092-Sb-9	**Date Sampled**	2/17/2005 10:50:00 AM

Analyte Name	Method	Result	PQL	Units
Total Volatile Solids	160.4	.745	.01	%

Sample number 126377-7	%Solids	Client Sample ID	0205-OS-VC-06
Sample Weight/Volume	QA/QC Batch	**Date Sampled**	2/17/2005 11:25:00 AM

Analyte Name	Method	Result	PQL	Units
Total Volatile Solids		4.558		

Sample number 126377-8	%Solids	Client Sample ID	0205-OS-VC-06Z
Sample Weight/Volume	QA/QC Batch	**Date Sampled**	2/17/2005 11:20:00 AM

Analyte Name	Method	Result	PQL	Units
Total Volatile Solids		5.533		

Analyst [signature]
Reviewed by [signature]

Date 2-23-05
Date 2/24/05

Organics worksheet v4.0
If you have suggestions for changes please bring them to me - Dennis

01464

PERCENT SOLIDS

% Solids Worksheet - total

QC Level:Tier IV w/COC requirements

Matrix:solid

Parametrix, Inc.

Due: 03/02/05

Work Order - 126377

Proj. Manager:Darla Powell

Special Instructions

~~5 day TAT~~

Subbed TOC & Sulfide to STL Denver
Subbed Grain Size to STL Burlington
Subbed Dioxin to STL Sac

Proj Spec QC

Sample number 126377-1	%Solids	Client Sample ID	0205-OS-VC-01
Sample Weight/Volume	QA/QC Batch 1306-7	Date Received	2/18/2005
		Date Sampled	**2/17/2005 1:45:00 PM**

Analyte Name	Method	Result	Units
% Solids	160.3	55.96	% Solids

Sample number 126377-2	%Solids	Client Sample ID	0205-OS-VC-02
Sample Weight/Volume	QA/QC Batch 1306-7	Date Received	2/18/2005
		Date Sampled	**2/17/2005 8:30:00 AM**

Analyte Name	Method	Result	Units
% Solids	160.3	71.62	% Solids

Sample number 126377-3	%Solids	Client Sample ID	0205-OS-VC-03
Sample Weight/Volume	QA/QC Batch 1306-7	Date Received	2/18/2005
		Date Sampled	**2/17/2005 9:45:00 AM**

Analyte Name	Method	Result	Units
% Solids	160.3	66.38	% Solids

Sample number 126377-4	%Solids	Client Sample ID	0205-OS-VC-03A
Sample Weight/Volume	QA/QC Batch 1306-7	Date Received	2/18/2005
		Date Sampled	**2/17/2005 9:45:00 AM**

Analyte Name	Method	Result	Units
% Solids	160.3	66.44	% Solids

Sample number 126377-5	%Solids	Client Sample ID	0205-OS-VC-04
Sample Weight/Volume	QA/QC Batch 1306-7	Date Received	2/18/2005
		Date Sampled	**2/17/2005 12:50:00 PM**

Analyte Name	Method	Result	Units
% Solids	160.3	70.25	% Solids

Analyst AL Date 2-24-05

Reviewed by [illegible] Date 2/24/05

Organics worksheet v4.0
If you have suggestions for changes please bring them to me - Dennis

01466

% Solids Worksheet - total

QC Level:Tier IV	**Due: 03/02/05**	**Work Order - 126377**
Matrix:solid		
Parametrix, Inc.	Proj. Manager:Darla Powell	

Special Instructions

5 day TAT
Subbed TOC & Sulfide to STL Denver
Subbed Grain Size to STL Burlington
Subbed Dioxin to STL Sac

Sample number 126377-6	**%Solids**	Client Sample ID	0205-OS-VC-05
Sample Weight/Volume	**QA/QC Batch** 1306-7	Date Received	2/18/2005
		Date Sampled	**2/17/2005 10:50:00 AM**

Analyte Name	Method	Result	Units
% Solids	160.3	85.38	% Solids

Sample number 126377-7	**%Solids**	Client Sample ID	0205-OS-VC-06
Sample Weight/Volume	**QA/QC Batch** 1306-7	Date Received	2/18/2005
		Date Sampled	**2/17/2005 11:25:00 AM**

Analyte Name	Method	Result	Units
% Solids	160.3	59.88	% Solids

Sample number 126377-8	**%Solids**	Client Sample ID	0205-OS-VC-06Z
Sample Weight/Volume	**QA/QC Batch** 1306-7	Date Received	2/18/2005
		Date Sampled	**2/17/2005 11:20:00 AM**

Analyte Name	Method	Result	Units
% Solids	160.3	57.85	% Solids

Analyst AC Date 2-24-05

Reviewed by [illegible] Date 2-24-05

Organics worksheet v4.0
If you have suggestions for changes please bring them to me - Dennis

01467

Percent Solids EPA Method 160.3

Date: 2/23/04 **Analyst:** AJM

Batch: 1306-7

Sample ID	Wt. Dish	Wt. Wet	Wt. Dry	% Solids	% Moisture
126377-1	0.7916	12.4311	7.3056	55.96	44.04
126377-2	0.794	13.3739	9.8033	71.62	28.38
126377-3	0.7832	16.8641	11.4572	66.38	33.62
126377-4	0.7921	12.4195	8.5175	66.44	33.56
126377-5	0.7945	17.0283	12.1969	70.25	29.75
126377-6	0.7997	8.291	7.196	85.38	14.62
126377-7	0.7886	17.7522	10.9469	59.88	40.12
126377-8	0.8	13.2777	8.0179	57.85	42.15
126377-8d	0.7862	15.3262	9.334	58.79	41.21
126377-8t	0.7933	14.4122	8.7965	58.77	41.23

Duplicate Analysis

Sample ID	Sample	Duplicate	RPD
126377-1	57.85	58.79	-1.61
126377-1	57.85	58.77	-1.58

Maintenance Log

Date:

Analyst:

Comments:

01468

PARTICLE SHAPE

01469

AQUATIC RESEARCH

CONSULTING AND LABORATORY SERVICES FOR WATER RESOURCES

March 3, 2005

Darla Powell
STL Seattle
5755 8th Street East
Fife, WA 98424

Dear Darla:

Please find enclosed a data report and invoice for the laboratory analysis of samples delivered to the laboratory on 02/23/05. Please get the PO # and submit the invoice for payment.

Please let me know if you have any questions regarding this information.

Sincerely,
AQUATIC RESEARCH INCORPORATED

Steven Lazoff
Laboratory Director

AQUATIC RESEARCH, INC.
3927 AURORA AVENUE, N.
SEATTLE, WA 98103
PHONE: (206) 632-2715
FAX: (206) 632-2417

01470

AQUATIC RESEARCH INCORPORATED

LABORATORY & CONSULTING SERVICES

3927 AURORA AVENUE NORTH, SEATTLE, WA 98103

PHONE: (206) 632-2715 FAX: (206) 632-2417

CASE FILE NUMBER:	**SOU002-55**	**PAGE 1**	
REPORT DATE:	**03/03/05**		
DATE SAMPLED:	**02/05/05**	**DATE RECEIVED:**	**02/23/05**

FINAL REPORT, LABORATORY ANALYSIS OF SELECTED PARAMETERS ON SEDIMENT SAMPLES FROM SOUND ANALYTICAL SERVICES

CASE NARRATIVE

Eight sediment samples were received by the laboratory in good condition. The samples were analyzed by ASTM D2488 for particle shape. The samples were sieved through # 4 and #10 sieves. No particles were retained on the #4, reported data is from the #10 sieve. Sample that do not contain particles #10 and larger are reported as not applicable.

SAMPLE DATA

SAMPLE ID	
0205-OS-VC-01	NOT APPLICABLE
0205-OS-VC-02	ANGULAR
0205-OS-VC-03	NOT APPLICABLE
0205-OS-VC-03A	SUBROUNDED
0205-OS-VC-04	NOT APPLICABLE
0205-OS-VC-05	ANGULAR
0205-OS-VC-06	NOT APPLICABLE
0205-OS-VC-06Z	NOT APPLICABLE

SUBMITTED BY:

Steven Lazoff

Laboratory Director

PHYSICAL SUITE

01472

TOC AND SULFIDE

SEVERN TRENT STL

STL Denver
4955 Yarrow Street
Arvada, CO 80002

Tel: 303 736 0100 Fax: 303 431 7171
www.stl-inc.com

ANALYTICAL REPORT

Oregon Slough
Project #: 126377

STL Denver Lot #: D5B210228

Terri Torres

STL Seattle
5755 8th Street E.
Tacoma, WA 98424

STL DENVER

Scott Laird
Project Manager

March 2, 2005

Table Of Contents

Standard Deliverables with Supporting Documentation

Report Contents	Number of Pages
Standard Deliverables *(The Cover Letter and the Report Cover page are considered integral parts of this Standard Deliverable package. This report is incomplete unless all pages indicated in this Table of Contents are included.)*	24

- **Table of Contents**
- **Case Narrative**
- **Executive Summary – Detection Highlights**
- **Methods Summary**
- **Method/Analyst Summary**
- **Lot Sample Summary**
- **Analytical Results**
- **QC Data Association Summary**
- **Chain-of-Custody**

Supporting Documentation *(Note: A one-page "Description of Supporting Documentation" is provided at the beginning of this section.).*	**Check below when supporting documentation is present.**
• **Volatile GC/MS**	
• **Semivolatile GC/MS**	
• **Volatile GC**	
• **Semivolatile GC**	
• **LC/MS or HPLC**	
• **Metals**	
• **General Chemistry**	X
• **Subcontracted Data**	

Case Narrative
D5B210228

The results included in this report have been reviewed for compliance with STL's Quality Assurance/Quality Control (QA/QC) plan. The test results shown in this report meet all requirements of NELAC and any exceptions are noted below.

This report may include data with reporting limits (RLs) less than STL's standard reporting limit. These data and reporting limits are being used specifically to meet the needs of this project. Note that, data are not customarily reported to these levels without qualifiers, because they are inherently less reliable and potentially less defensible than the latest industry standards require.

Dilution factors and footnotes have been provided to assist in the interpretation of the results. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interferences or analytes present at concentrations above the linear calibration curve, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

STL utilizes USEPA approved methods in all analytical work. The samples presented in this report were analyzed for the parameters listed on the analytical methods summary page in accordance with the methods indicated. A summary of quality control parameters is provided below.

This report shall not be reproduced except in full, without the written approval of the laboratory.

Sample Arrival and Receipt

Eight samples were received under chain of custody on February 19, 2005. The samples were received in good condition at a temperature of 4.8°C.

General Chemistry, Various Methods

The method 9030B/9034 MS/MSD performed on sample D5B210228-001 was in control.

The method 9060 MS/MSD associated with batch 5060466 was performed on a sample from another client and/or lot and was in control.

The method 160.3 duplicate performed on sample D5B210228-002 was in control.

No anomalies were observed.

EXECUTIVE SUMMARY - Detection Highlights

D5B210228

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
0205-08-VC-01 02/17/05 13:45 001				
Total Organic Carbon	14	2.0	g/kg	SW846 9060
Total Sulfide	5.7	5.0	mg/kg	SW846 9030B/9034
Percent Moisture	44	0.10	%	MCAWW 160.3 MOD
0205-08-VC-02 02/17/05 08:30 002				
Total Organic Carbon	7.2	2.0	g/kg	SW846 9060
Total Sulfide	11	5.0	mg/kg	SW846 9030B/9034
Percent Moisture	30	0.10	%	MCAWW 160.3 MOD
0205-08-VC-03 02/17/05 09:45 003				
Total Organic Carbon	8.2	2.0	g/kg	SW846 9060
Total Sulfide	33	5.0	mg/kg	SW846 9030B/9034
Percent Moisture	38	0.10	%	MCAWW 160.3 MOD
0205-08-VC-03A 02/17/05 09:45 004				
Total Organic Carbon	9.8	2.0	g/kg	SW846 9060
Total Sulfide	27	5.0	mg/kg	SW846 9030B/9034
Percent Moisture	42	0.10	%	MCAWW 160.3 MOD
0205-08-VC-04 02/17/05 12:50 005				
Total Organic Carbon	9.2	2.0	g/kg	SW846 9060
Percent Moisture	27	0.10	%	MCAWW 160.3 MOD
0205-08-VC-05 02/17/05 10:50 006				
Percent Moisture	14	0.10	%	MCAWW 160.3 MOD
0205-08-VC-06 02/17/05 11:25 007				
Total Organic Carbon	14	2.0	g/kg	SW846 9060
Total Sulfide	15	5.0	mg/kg	SW846 9030B/9034
Percent Moisture	37	0.10	%	MCAWW 160.3 MOD
0205-08-VC-06Z 02/17/05 11:20 008				
Total Organic Carbon	17	2.0	g/kg	SW846 9060
Percent Moisture	43	0.10	%	MCAWW 160.3 MOD

METHODS SUMMARY

D5B210228

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
Percent Moisture	MCAWW 160.3 MOD	MCAWW 160.3 MOD
Sulfides, Total 9030B/9034	SW846 9030B/903	SW846 9030B/903
Total Organic Carbon	SW846 9060	SW846 9060

References:

MCAWW "Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, March 1983 and subsequent revisions.

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

METHOD / ANALYST SUMMARY

D5B210228

ANALYTICAL METHOD	ANALYST	ANALYST ID
MCAWW 160.3 MOD	Lowell Coon	016091
SW846 9030B/9034	Dave Elkin	000901
SW846 9060	Ewa Kudla	001167

References:

MCAWW "Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, March 1983 and subsequent revisions.

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

SAMPLE SUMMARY

D5B210228

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
G4VKM	001	0205-OS-VC-01	02/17/05	13:45
G4VKR	002	0205-OS-VC-02	02/17/05	08:30
G4VKT	003	0205-OS-VC-03	02/17/05	09:45
G4VKV	004	0205-OS-VC-03A	02/17/05	09:45
G4VKW	005	0205-OS-VC-04	02/17/05	12:50
G4VKX	006	0205-OS-VC-05	02/17/05	10:50
G4VK0	007	0205-OS-VC-06	02/17/05	11:25
G4VK1	008	0205-OS-VC-06Z	02/17/05	11:20

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

STL SEATTLE

Client Sample ID: 0205-OS-VC-01

General Chemistry

Lot-Sample #...: D5B210228-001 Work Order #...: G4VKM Matrix.....: SOLID
Date Sampled...: 02/17/05 13:45 Date Received..: 02/19/05

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	44	0.10	%	MCAWW 160.3 MOD	02/24/05	5055601
		Dilution Factor: 1		Analysis Time..: 23:30		
Total Organic Carbon	14	2.0	g/kg	SW846 9060	02/28-03/01/05	5060468
		Dilution Factor: 1		Analysis Time..: 12:00		
Total Sulfide	5.7	5.0	mg/kg	SW846 9030B/9034	02/24/05	5055489
		Dilution Factor: 1		Analysis Time..: 13:15		

STL SEATTLE

Client Sample ID: 0205-OS-VC-02

General Chemistry

Lot-Sample #...: D5B210228-002 Work Order #...: G4VKR Matrix.....: SOLID
Date Sampled...: 02/17/05 08:30 Date Received..: 02/19/05

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	30	0.10	%	MCAWW 160.3 MOD	02/24/05	5055601
		Dilution Factor: 1		Analysis Time..: 23:30		
Total Organic Carbon	7.2	2.0	g/kg	SW846 9060	02/28-03/01/05	5060468
		Dilution Factor: 1		Analysis Time..: 12:00		
Total Sulfide	11	5.0	mg/kg	SW846 9030B/9034	02/24/05	5055489
		Dilution Factor: 1		Analysis Time..: 13:15		

STL SEATTLE

Client Sample ID: 0205-OS-VC-03

General Chemistry

Lot-Sample #...: D5B210228-003 **Work Order #...:** G4VKT **Matrix.....:** SOLID
Date Sampled...: 02/17/05 09:45 **Date Received..:** 02/19/05

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	38	0.10	%	MCAWW 160.3 MOD	02/24/05	5055601
		Dilution Factor: 1		Analysis Time..: 23:30		
Total Organic Carbon	8.2	2.0	g/kg	SW846 9060	02/28-03/01/05	5060468
		Dilution Factor: 1		Analysis Time..: 12:00		
Total Sulfide	33	5.0	mg/kg	SW846 9030B/9034	02/24/05	5055489
		Dilution Factor: 1		Analysis Time..: 13:15		

STL SEATTLE

Client Sample ID: 0205-08-VC-03A

General Chemistry

Lot-Sample #...: D5B210228-004 **Work Order #...:** G4VKV **Matrix.....:** SOLID
Date Sampled...: 02/17/05 09:45 **Date Received..:** 02/19/05

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	42	0.10	%	MCAWW 160.3 MOD	02/24/05	5055601
		Dilution Factor: 1		Analysis Time..: 23:30		
Total Organic Carbon	9.8	2.0	g/kg	SW846 9060	02/28-03/01/05	5060468
		Dilution Factor: 1		Analysis Time..: 12:00		
Total Sulfide	27	5.0	mg/kg	SW846 9030B/9034	02/24/05	5055489
		Dilution Factor: 1		Analysis Time..: 13:15		

STL SEATTLE

Client Sample ID: 0205-OS-VC-04

General Chemistry

Lot-Sample #...: D5B210228-005 **Work Order #...:** G4VKW **Matrix.....:** SOLID
Date Sampled...: 02/17/05 12:50 **Date Received..:** 02/19/05

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	**27**	**0.10**	**%**	**MCAWW 160.3 MOD**	**02/24/05**	**5055601**
		Dilution Factor: 1		Analysis Time..: 23:30		
Total Organic Carbon	**9.2**	**2.0**	**g/kg**	**SW846 9060**	**02/28-03/01/05**	**5060468**
		Dilution Factor: 1		Analysis Time..: 12:00		
Total Sulfide	ND	5.0	mg/kg	SW846 9030B/9034	02/24/05	5055489
		Dilution Factor: 1		Analysis Time..: 13:15		

STL SEATTLE

Client Sample ID: 0205-08-VC-05

General Chemistry

Lot-Sample #...: D5B210228-006 **Work Order #...:** G4VKX **Matrix.....:** SOLID
Date Sampled...: 02/17/05 10:50 **Date Received..:** 02/19/05

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	**14**	**0.10**	**%**	**MCAWW 160.3 MOD**	**02/24/05**	**5055601**
		Dilution Factor: 1		Analysis Time..: 23:30		
Total Organic Carbon	ND	2.0	g/kg	SW846 9060	02/28-03/01/05	5060468
		Dilution Factor: 1		Analysis Time..: 12:00		
Total Sulfide	ND	5.0	mg/kg	SW846 9030B/9034	02/24/05	5055489
		Dilution Factor: 1		Analysis Time..: 13:15		

01486

STL SEATTLE

Client Sample ID: 0205-08-VC-06

General Chemistry

Lot-Sample #...: D5B210228-007 **Work Order #...:** G4VK0 **Matrix.....:** SOLID
Date Sampled...: 02/17/05 11:25 **Date Received..:** 02/19/05

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	37	0.10	%	MCAWW 160.3 MOD	02/24/05	5055601
		Dilution Factor: 1		Analysis Time..: 23:30		
Total Organic Carbon	14	2.0	g/kg	SW846 9060	02/28-03/01/05	5060468
		Dilution Factor: 1		Analysis Time..: 12:00		
Total Sulfide	15	5.0	mg/kg	SW846 9030B/9034	02/24/05	5055489
		Dilution Factor: 1		Analysis Time..: 13:15		

STL SEATTLE

Client Sample ID: 0205-OS-VC-06X

General Chemistry

Lot-Sample #...: D5B210228-008 **Work Order #...:** G4VK1 **Matrix.....:** SOLID
Date Sampled...: 02/17/05 11:20 **Date Received..:** 02/19/05

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	**43**	**0.10**	**%**	**MCAWW 160.3 MOD**	**02/24/05**	**5055601**
		Dilution Factor: 1		Analysis Time..: 23:30		
Total Organic Carbon	**17**	**2.0**	**g/kg**	**SW846 9060**	**02/28-03/01/05**	**5060468**
		Dilution Factor: 1		Analysis Time..: 00:00		
Total Sulfide	ND	5.0	mg/kg	SW846 9030B/9034	02/24/05	5055489
		Dilution Factor: 1		Analysis Time..: 13:15		

01488

QC DATA ASSOCIATION SUMMARY

D5B210228

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	SOLID	SW846 9060		5060468	5060282
	SOLID	SW846 9030B/9034		5055489	5056103
	SOLID	MCAWW 160.3 MOD		5055601	5056331
002	SOLID	SW846 9060		5060468	5060282
	SOLID	SW846 9030B/9034		5055489	5056103
	SOLID	MCAWW 160.3 MOD		5055601	5056331
003	SOLID	SW846 9060		5060468	5060282
	SOLID	SW846 9030B/9034		5055489	5056103
	SOLID	MCAWW 160.3 MOD		5055601	5056331
004	SOLID	SW846 9060		5060468	5060282
	SOLID	SW846 9030B/9034		5055489	5056103
	SOLID	MCAWW 160.3 MOD		5055601	5056331
005	SOLID	SW846 9060		5060468	5060282
	SOLID	SW846 9030B/9034		5055489	5056103
	SOLID	MCAWW 160.3 MOD		5055601	5056331
006	SOLID	SW846 9060		5060468	5060282
	SOLID	SW846 9030B/9034		5055489	5056103
	SOLID	MCAWW 160.3 MOD		5055601	5056331
007	SOLID	SW846 9060		5060468	5060282
	SOLID	SW846 9030B/9034		5055489	5056103
	SOLID	MCAWW 160.3 MOD		5055601	5056331
008	SOLID	SW846 9060		5060468	5060282
	SOLID	SW846 9030B/9034		5055489	5056103
	SOLID	MCAWW 160.3 MOD		5055601	5056331

METHOD BLANK REPORT

General Chemistry

Client Lot #...: D5B210228 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon		Work Order #: G5C4P1AA		MB Lot-Sample #:	D5C010000-468	
	ND	2.0	g/kg	SW846 9060	02/28-03/01/05	5060468
		Dilution Factor: 1				
		Analysis Time..: 12:00				
Total Sulfide		Work Order #: G45DK1AA		MB Lot-Sample #:	D5B240000-489	
	ND	5.0	mg/kg	SW846 9030B/9034	02/24/05	5055489
		Dilution Factor: 1				
		Analysis Time..: 13:15				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Lot-Sample #...: D5B210228 **Matrix.....:** SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Sulfide		WO#:G45DK1AC-LCS/G45DK1AD-LCSD				LCS Lot-Sample#: D5B240000-489	
	86	(57 - 136)			SW846 9030B/9034	02/24/05	5055489
	89	(57 - 136)	2.9	(0-35)	SW846 9030B/9034	02/24/05	5055489

Dilution Factor: 1 Analysis Time..: 13:15

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Lot-Sample #...: D5B210228 **Matrix.....:** SOLID

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Sulfide		WO#:G45DK1AC-LCS/G45DK1AD-LCSD				LCS Lot-Sample#: D5B240000-489		
	94.0	80.8	mg/kg	86		SW846 9030B/9034	02/24/05	5055489
	94.0	83.2	mg/kg	89	2.9	SW846 9030B/9034	02/24/05	5055489

Dilution Factor: 1 Analysis Time..: 13:15

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

01492

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: D5B210228 **Matrix.....:** SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon		Work Order #: G5C4P1AC	LCS Lot-Sample#: D5C010000-468		
	102	(90 - 110)	SW846 9060	02/28-03/01/05	5060468

Dilution Factor: 1 Analysis Time..: 12:00

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Client Lot #...: D5B210228 **Matrix.....:** SOLID

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon			Work Order #: G5C4P1AC		LCS Lot-Sample#: D5C010000-468		
	120	122	g/kg	102	SW846 9060	02/28-03/01/05	5060468

Dilution Factor: 1 Analysis Time..: 12:00

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: D5B210228 **Matrix.....:** SOLID
Date Sampled...: 02/18/05 12:10 **Date Received..:** 02/18/05

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon		WO#: G4Q551EG-MS/G4Q551EH-MSD				MS Lot-Sample #: D5B180393-021	
	103	(85 - 117)			SW846 9060	02/28-03/01/05	5060466
	104	(85 - 117)	1.2	(0-10)	SW846 9060	02/28-03/01/05	5060466
		Dilution Factor: 1					
		Analysis Time..: 12:00					
Total Sulfide		WO#: G4VKM1AE-MS/G4VKM1AF-MSD				MS Lot-Sample #: D5B210228-001	
	72	(57 - 136)			SW846 9030B/9034	02/24/05	5055489
	71	(57 - 136)	1.8	(0-35)	SW846 9030B/9034	02/24/05	5055489
		Dilution Factor: 1					
		Analysis Time..: 13:15					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE DATA REPORT

General Chemistry

Client Lot #...: D5B210228 **Matrix.....:** SOLID
Date Sampled...: 02/18/05 12:10 **Date Received..:** 02/18/05

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon			WO#: G4Q551EG-MS/G4Q551EH-MSD				MS Lot-Sample #: D5B180393-021		
	0.92	120	124	g/kg	103		SW846 9060	02/28-03/01/05	5060466
	0.92	120	126	g/kg	104	1.2	SW846 9060	02/28-03/01/05	5060466
			Dilution Factor: 1						
			Analysis Time..: 12:00						
Total Sulfide			WO#: G4VKM1AE-MS/G4VKM1AF-MSD				MS Lot-Sample #: D5B210228-001		
	5.7	94.0	73.8	mg/kg	72		SW846 9030B/9	02/24/05	5055489
	5.7	94.0	72.5	mg/kg	71	1.8	SW846 9030B/9	02/24/05	5055489
			Dilution Factor: 1						
			Analysis Time..: 13:15						

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: D5B210228 **Work Order #...:** G4VKR-SMP G4VKR-DUP **Matrix.....:** SOLID

Date Sampled...: 02/17/05 08:30 **Date Received..:** 02/19/05

% Moisture.....: 30

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture						SD Lot-Sample #: D5B210228-002		
	30	29	%	4.1	(0-20)	MCAWW 160.3 MOD	02/24/05	5055601

Dilution Factor: 1 Analysis Time..: 23:30

01497

STL Denver

Chain of Custody Record

STL Seattle
5755 8th Street E.
Tacoma, WA 98424
Tel. 253-922-2310
Fax 253-922-5047
www.stl-inc.com

4.8°C
NA
2-19-05

SEVERN TRENT STL

Client: STL-Seattle	Project Manager: Darla Powell	Date: 2/18/05	Chain of Custody Number: 19451
Address	Telephone Number (Area Code)/Fax Number	Lab Number	Page 1 of 1
City / State / Zip Code	Site Contact	Lab Contact: Kim	
Project Name and Location (State): Oregon Slough	Carrier/Waybill Number		
Contract/Purchase Order/Quote No.: 126377			

Sample I.D. and Location/Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis (Attach list if more space is needed): TOC	Sulfide	Special Instructions/ Conditions of Receipt
0205-OS-VC-01	2/17/05	1345			X		1						X	X	
0205-OS-VC-02		0830					1								
0205-OS-VC-03		0945					1								
0205-OS-VC-03A		0945					1								
0205-OS-VC-04		1250					1								
0205-OS-VC-05		1050					1								
0205-OS-VC-06		1125					1								
0205-OS-VC-06Z		1120					1								

Cooler: ☐ Yes ☐ No Cooler Temp:_____

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Disposal By Lab ☐ Return To Client ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required (business days): ☐ 24 Hours ☐ 48 Hours ☐ 5 Days ☐ 10 Days ☐ 15 Days ☒ Other 3/3/05

QC Requirements (Specify)

1. Relinquished By: Khasley	Date: 2/18/05	Time: 2300	1. Received By: John Bruker	Date: 2/18/05	Time: 0830
2. Relinquished By	Date	Time	2. Received By	Date	Time
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments

DISTRIBUTION: WHITE – Stays with the Samples; CANARY – Returned to Client with Report; PINK – Field Copy

STL8274-580 (12/02)

ANALYTICAL RAW DATA

FOR

STL SEATTLE

SEVERN TRENT LABORATORIES

DENVER NO. D5B210228

Description of Supporting Documentation

The enclosed expanded raw data package is arranged in the order in which the initial calibration curve, internal quality control samples, and the samples for this lot were analyzed. Also included are any client requested batch quality control samples. When applicable, the data is organized alphabetically by instrument ID, then chronologically by analysis date.

GC/MS

I. Organic Extraction Log Sheets
II. Instrument Log Sheets
III. Standard Data
   A. Initial calibration raw data. Initial calibration raw data includes tuning data, the initial calibration summary (listing response factors, % RSDs), target compound reports, internal standard summaries, and chromatograms (RIC).
   B. Continuing calibration raw data. Continuing calibration raw data includes tuning data, the continuing calibration summary (listing response factors, % Ds), target compound reports, initial standard summaries, and chromatograms (RIC).
IV. Sample Data
   A. Quality control sample raw data and sample raw data. Raw data includes the target compound report, IS summary, surrogate recovery report, chromatograms (RIC), spectra, and Tentatively Identified Compounds (TIC) report with library searches (when applicable).

GC

I. Organic Extraction Log Sheets
II. Instrument Log Sheets
III. Standard Data
   A. Initial calibration raw data. Initial calibration raw data includes the initial calibration summary, analysis report, and chromatograms for each column used in analysis.
   B. Continuing calibration raw data. Continuing calibration raw data includes the continuing calibration summary, analysis report, and chromatograms for each column used in analysis.
IV. Sample Data
   A. Quality control sample raw data and sample raw data. Raw data includes the analysis report and chromatograms for each column.

Metals

I. Preparation Logs
II. ICP and/or ICP/MS Data
   A. Computer printouts listing all calibrations.
   B. Quality control sample raw data and sample raw data.
III. CFAA and/or CVAA Raw Data
   A. Analysis bench sheets listing all calibrations.
   B. Quality control sample raw data and sample raw data.

Wet chemistry

I. Preparation Logs
II. Sample Data
   A. Analysis bench sheets listing all calibration.
   B. Quality control sample raw data and sample raw data.

General Chemistry

Supporting Documentation

Sample Sequence, Instrument Printouts, Calculations

SEVERN TRENT STL

Batch: 5055489

Method: Sulfide 022405

I certify that, to the best of my knowledge, the attached package represents a complete and accurate copy of the original data.

Signature/Date: [signature] 4/25/05

GENERAL CHEMISTRY
SAMPLE DATA

SEVERN TRENT STL

Laboratory Bench Sheet
Sulfide Titration
Revision 1 - January 1998

Severn Trent Laboratories
- Denver

Sulfide by Titration

Analyst:	ELKIN	**Titration Solutions**		**SOP Information:**	**Rep. / Detection Limits**
Date:	2/24/2005	Solution 1:	Iodine	Number: DEN-WC-44	MDL 0
QC Batch:	2055489	Source:	Fisher	Revision: 0	Rep. Limit 5
MS Run:	050103 13:15	Lot #:	STD0678-05	**Calibration Information**	
ICV Information		Normality:	0.025	Source/Ver-Lot#: std0286-05	
Source/Ver-Lot#:		Exp. Date:	11/12/2005	Prep Date: 1/21/2005	Starch Indicator
Prep Date:		Solution 2:	sodium thiosulfate	Made By: MF	Lab Chem
Made By:		Source:	Fisher	Concentration: 940	lot #: std6779-04
Concentration:		Lot #:	STD0500-05	Expiration Date: 4/21/2005	expires: 5/6/05
Expiration Date:		Normality:	0.025	DCS True Value: 94.00	
ICV True Value:		Exp. Date:	7/31/2005	Spike True Value: 94.00	

Lot Number	Work Order	Sample	Buret Start	Buret Stop	mL Iodine	Final mL	Concentratn mg/L	sample weight	Dilution Factor	Final Conc mg/L, mg/kg	% Rec.
	CAL	5	0.00	8.30	20	8.30	936.000	1	1	936.00	
	CAL	5	0.00	8.20	20	8.20	944.000	1	1	944.00	
	PB	250	0.00	5.00	5	5.00	0.000	50	5.000	0.00	
	DCS	250	0.00	9.90	20	9.90	16.160	50	5.000	80.80	85.96
	DCS	250	0.00	9.60	20	9.60	16.640	50	5.000	83.20	88.51
D5B210228-1	G4VKM	250	0.00	4.30	5	4.30	1.120	48.81	5.122	5.74	
-1MS	G4VKM	250	0.00	10.80	20	10.80	14.720	49.85	5.016	73.82	
-1MSD	G4VKM	250	0.00	11.10	20	11.10	14.240	49.12	5.090	72.48	
-2	G4VKR	250	0.00	3.60	5	3.60	2.240	49.98	5.002	11.20	
-3	G4VKT	250	0.00	6.00	10	6.00	6.400	48.81	5.122	32.78	
-4	G4VKV	250	0.00	1.80	5	1.80	5.120	48.16	5.191	26.58	
-5	G4VKW	250	0.00	4.90	5	4.90	0.160	48.96	5.106	0.82	
-6	G4VKX	250	0.00	5.00	5	5.00	0.000	47.68	5.243	0.00	
-7	G4VK0	250	0.00	3.20	5	3.20	2.880	49.55	5.045	14.53	
-8	G4VK1	250	0.00	4.90	5	4.90	0.160	48	5.208	0.83	

Specbch.xls

* MS/MSD chosen by analyst

Reagents used: Lot #

9030AQ031902

STL Denver Laboratory

Laboratory Bench Sheet
Wet Chemistry Sample Preparation
Total Sulfide Preparation

	LCS Information	Matrix Spike Information
Analyst: D. Kim	Source: Sulfide 2	Source: same as LCS
Date: 2/24/05	Verification/Lot Number: Std 0286-05	Verification/Lot Number:
QC Lot:	Prep Date: 1/21/05	Prep Date:
QC Run:	Made By: MF	Made By:
Prep Time:	Concentration: TBD	Concentration:
	Expiration Date: 4/21/05	Expiration Date:

SOP Information

SOP Number:

Revision Number:

Reagent#1: $H_2S_{(g)}$ Manuf: Matl Lot: std 0436-05

Reagent #2: Formaldehyde Manuf: Fisher Lot: Std 0236-05

Reagent #3: Zn-Acetate Manuf: Fisher Lot: Std 0392-05

Lot Number	Work Order #	pH	Initial Wt/Vol (g or mL)	Final Wt/Vol (g or mL)	Prep Dilution	Comments (Standard True Value)
MB	–	–	50.00	250	5	
LB	–	–	50.00			
LCS	–	–	50.00			
D5B210225-1	G4VKM		48.81		5.12	
-1 MS			49.85		5.02	
-1 MSD			49.12		5.09	
-2	G4VKR		49.98		5.00	
-3	G4VKT		48.81		5.12	
-4	G4VKV		48.16		5.19	
-5	G4VKW		48.76		5.13	
-6	G4VKX		47.68		5.24	
-7	G4VKO		49.58		5.04	
-8	G4VKI		48.00		5.21	

* MS/MSD chosen by prep analyst

Page: 1 of 1

N:\QA\Forms\Benchsht\Wc\BS0024-TP-Rev 2-7-02.DOC.

2/24/05

01584

2

General Chemistry

Supporting Documentation

Sample Sequence, Instrument Printouts, Calculations

SEVERN TRENT STL

Batch: 5060465, -466, -468

Method: TOC-S

I certify that, to the best of my knowledge, the attached package represents a complete and accurate copy of the original data.

Signature/Date: [illegible] 03-02-05

GENERAL CHEMISTRY
SAMPLE DATA

SEVERN TRENT STL

SEVERN TRENT SERVICES

Laboratory Bench Sheet
Total Organic Carbon (TOC) - Solids
Revision 1 November, 21 2000

Analyst: E. KUDIA	SOP Information	Instrument Information	Blank Matrix: HENGAR
Date: 03-01-05 QC Lot/Run: 5060465	Number: WC-0048 Revision: 0	Instrument: LECO	Lot #: 10117

DCS Information	Matrix Spike Information	Calibration Information
Source/Ver-Lot#: FISHER # 986396 Expiration Date: 01-30-2010 DCS True Value: 120g/kg	Source/Ver-Lot#: BAKER 45332E1 Expiration Date: 02-13-2007 Spike True Value: 120g/kg	Source/Ver-Lot#: FISHER 986396 Expiration Date: 01-30-2010 CCV True Value: 120g/kg

Injection Number	LIMS ID	Sample Weight (g)	Initial Concentration (%)	Dilution Factor	Final Concentration (g/kg)	%REC/RPD
7	ICV		12.17		121.7	
8	ICB		0.006		ND (0.06)	
9	LCS		12.06		120.6	
10	BLK		0.062		ND (0.62)	
11	GMN71		0.140		1.40	
12	-MS		11.97		119.7	
13	-MSD		12.18		121.8	
14	GMN9C		0.077		0.77	
15	GMN9E		0.378		3.78	
16	GMN9F		0.682		6.82	
17	GMN9L		0.347		3.47	
18	GMN9P		0.290		2.90	
19	CCV		12.13		121.3	
20	CCB		0.017		ND (0.17)	
21	GMN9R		0.603		6.03	
22	GMN92		0.591		5.91	
23	GMN94		0.766		7.66	
24	GMPAA		0.610		6.10	
25	GMPAE		0.088		0.88	
26	GMPAJ		0.277		2.77	
27	GMPA2		0.040		0.40	
28	GMQ3P		0.146		1.46	
29	GMQ4F		0.634		6.34	
30	GMQ4J		0.284		2.84	
31	CCV/LCS		12.20		122.0	

* MS/MSD chosen by analyst

BS0015.DOC.

SEVERN TRENT SERVICES

MS# 5060282

Laboratory Bench Sheet
Total Organic Carbon (TOC) - Solids
Revision 1 November, 21 2000

Analyst: E. KUDA	SOP Information	Instrument Information	Blank Matrix: HENGAR
Date: 03-01-05 QC Lot/Run: 5060466	Number: WC-0048 Revision: 0	Instrument: LECO	Lot #: 10117

DCS Information	Matrix Spike Information	Calibration Information
Source/Ver-Lot#: FISHER # 986396 Expiration Date: 01-30-2010 DCS True Value: 120g/kg	Source/Ver-Lot#: BAKER # 45332E1 Expiration Date: 02-13-2007 Spike True Value: 120g/kg	Source/Ver-Lot#: FISHER # 986396 Expiration Date: 01-30-2010 CCV True Value: 120 g/kg

Injection Number	LIMS ID	Sample Weight (g)	Initial Concentration (%)	Dilution Factor	Final Concentration (g/kg)	%REC/RPD
32	CCB/BCU		0.042		ND (0.42)	
33	G4Q4L		0.246		2.46	
34	G4Q4Q		0.404		4.04	
35	G4Q4V		0.270		2.70	
36	G4Q4X		0.060		0.60	
37	G4Q45		0.117		1.17	
38	G4Q5D		0.082		0.82	
39	G4Q5H		0.128		1.28	
40	G4Q5P		0.196		1.96	
41	G4Q5Q		0.361		3.61	
42	G4Q5V		0.300		3.00	
43	CCV	No weight	5.281		—	
44	CCB		11.79		117.9	
45	CCV		12.25		122.5	
46	CCB		0.023		ND (0.23)	
47	G4Q5X		0.166		1.66	
48	G4Q52		0.080		0.80	
49	G4Q54		0.247		2.47	
50	G4Q55		0.092		0.92	
51	-MS		12.40		124.0	
52	-MSD		14.60	- remun 63	146	
53	G4VKM		1.369		13.69	
54	G4VKR		0.725		7.25	
55	G4VKT		0.822		8.22	
56	G4VKV		0.976		9.76	

* MS/MSD chosen by analyst

Page 2 of ____

BS0015.DOC.

SEVERN TRENT SERVICES

Laboratory Bench Sheet
Total Organic Carbon (TOC) - Solids
Revision 1 November, 21 2000

Analyst: E. KUDIA	SOP Information	Instrument Information	Blank Matrix: HEMCA R
Date: 03-01-05 QC Lot/Run: 5060464	Number: WC-0048 Revision: 0	Instrument: LECO	Lot #: 10117

DCS Information	Matrix Spike Information	Calibration Information
Source/Ver-Lot#: FISHER # 986396 Expiration Date: 01-30-2010 DCS True Value: 120g/kg	Source/Ver-Lot#: BAKER 145332E1 Expiration Date: 02-13-2007 Spike True Value: 120g/kg	Source/Ver-Lot#: FISHER #986396 Expiration Date: 01-30-2010 CCV True Value: 120 g/kg

Injection Number	LIMS ID	Sample Weight (g)	Initial Concentration (%)	Dilution Factor	Final Concentration (g/kg)	%REC/RPD
57	CCV		12.70		127	
58	CCB		0.027		ND (0.27)	
59	G4VKW		0.924		9.24	
60	G4VKX		0.038		0.38	
61	G4VKO		1.35		13.5	
62	G4VKI		1.716		17.16	
63	G4Q55-DS		12.55		125.5	
64	CCV		12.24		122.4	
65	CCB		0.536		5.36	
66	CCB		0.009		ND (0.09)	
67	CCB		0.031		ND (0.31)	

03-01-05

* *MS/MSD chosen by analyst*

BS0015.DOC.

10:18 03/01/05
A00000004 WT0.4590 CAL#1
CARBON 11.42%
10:21 03/01/05
A00000005 WT0.4620 CAL#1
CARBON 11.93%
10:27 03/01/05
A00000006 WT0.4880 CAL#1
CARBON 11.87%

*** STACK CALIBRATION ***

10:31 03/01/05
ID CODE WEIGHT CARBON%
0006 0.4880 11.87%
0005 0.4620 11.93%
0004 0.4590 11.42%

STD % 012.00
CALIB -1- 0.8782
INCLUDE CARBON
A00000006 11.87
A00000005 11.93
A00000004 11.42
CALIB -1- 0.8977

10:31 03/01/05
CODE WEIGHT CARBON%
0.4880 12.13%
0.4620 12.19%
0.4590 11.68%
CALIBRATION ***
10:41 03/01/05
0007 WT0.4560 CAL#1
CARBON 12.17%
11:07 03/01/05
0008 WT0.5000 CAL#1
CARBON 0.003%
11:14 03/01/05
0009 WT0.4730 CAL#1
CARBON 12.06%
11:17 03/01/05
0010 WT0.5040 CAL#1
CARBON 0.062%
11:20 03/01/05
0011 WT0.3310 CAL#1
CARBON 0.140%
11:25 03/01/05
0012 WT0.3800 CAL#1
CARBON 11.97%
11:29 03/01/05
0013 WT0.4150 CAL#1
CARBON 12.18%
11:30 03/01/05
0014 WT0.3560 CAL#1

[illegible] WT0.[illegible] CAL=1
ARBON 12.10%
11:30 03/01/05
[illegible]14 WT0.3560 CAL=1
ARBON 0.077%
11:32 03/01/05
[illegible]15 WT0.4020 CAL=1
ARBON 0.378%
11:34 03/01/05
[illegible]16 WT0.4320 CAL=1
ARBON 0.682%
11:35 03/01/05
[illegible]17 WT0.4780 CAL=1
ARBON 0.347%
11:38 03/01/05
[illegible]18 WT0.4020 CAL=1
ARBON 0.290%
11:42 03/01/05
[illegible]19 WT0.4490 CAL=1
ARBON 12.13%
11:44 03/01/05
[illegible]20 WT0.5000 CAL=1
ARBON 0.017%
11:46 03/01/05
[illegible]21 WT0.3220 CAL=1
ARBON 0.603%
11:47 03/01/05
[illegible]22 WT0.3170 CAL=1
ARBON 0.591%
11:49 03/01/05
[illegible]23 WT0.3760 CAL=1
ARBON 0.766%
11:50 03/01/05
[illegible]24 WT0.3560 CAL=1
ARBON 0.610%
11:51 03/01/05
[illegible]25 WT0.3550 CAL=1
ARBON 0.088%
11:53 03/01/05
[illegible]26 WT0.3350 CAL=1
ARBON 0.277%
11:55 03/01/05
[illegible]27 WT0.3570 CAL=1
ARBON 0.040%
11:57 03/01/05
[illegible]28 WT0.3470 CAL=1
ARBON 0.146%
12:02 03/01/05
[illegible]29 WT0.3730 CAL=1
ARBON 0.634%
12:03 03/01/05
[illegible]30 WT0.3630 CAL=1
ARBON 0.284%
12:08 03/01/05
[illegible]31 WT0.4780 CAL=1
ARBON 12.20%
12:24 03/01/05
[illegible]32 WT0.5000 CAL=1
ARBON 0.042%
12:27 03/01/05
[illegible]33 WT0.3690 CAL=1
ARBON 0.246%
12:30 03/01/05

STL Denver

CARBON 0.245%
12:30 03/01/05
[redacted]34 WT0.3790 CAL#1
CARBON 0.404%
12:31 03/01/05
[redacted]35 WT0.3460 CAL#1
CARBON 0.279%
12:33 03/01/05
[redacted]36 WT0.4150 CAL#1
CARBON 0.060%
12:34 03/01/05
[redacted]37 WT0.3290 CAL#1
CARBON 0.117%
12:36 03/01/05
[redacted]38 WT0.3870 CAL#1
CARBON 0.092%
12:37 03/01/05
[redacted]39 WT0.3670 CAL#1
CARBON 0.129%
12:39 03/01/05
[redacted]40 WT0.3610 CAL#1
CARBON 0.195%
12:40 03/01/05
[redacted]41 WT0.4280 CAL#1
CARBON 0.361%
12:42 03/01/05
[redacted]42 WT0.3390 CAL#1
CARBON 0.383%
12:54 03/01/05
[redacted]43 WT1.0000 CAL#1
CARBON 9.281%
13:09 03/01/05
[redacted]44 WT0.4400 CAL#1
CARBON 11.79%
13:14 03/01/05
[redacted]45 WT0.4340 CAL#1
CARBON 12.25%
13:21 03/01/05
[redacted]46 WT0.5000 CAL#1
CARBON 0.023%
13:24 03/01/05
[redacted]47 WT0.3820 CAL#1
CARBON 0.166%
13:26 03/01/05
[redacted]48 WT0.3520 CAL#1
CARBON 0.088%
13:27 03/01/05
[redacted]49 WT0.3230 CAL#1
CARBON 0.247%
13:29 03/01/05
[redacted]50 WT0.3590 CAL#1
CARBON 0.092%
13:33 03/01/05
[redacted]51 WT0.3620 CAL#1
CARBON 12.48%
14:06 03/01/05
[redacted]52 WT0.3820 CAL#1
CARBON 14.68%
14:09 03/01/05
[redacted]53 WT0.3150 CAL#1
CARBON 1.369%
14:11 03/01/05
[redacted]54 WT0.3460 CAL#1
CARBON 0.735%

```
RBON          0.725%
     14:12 03/01/05
55 WT0.3540 CAL#1
RBON          0.822%
     14:14 03/01/05
56 WT0.3800 CAL#1
RBON          0.976%
     14:18 03/01/05
57 WT0.4540 CAL#1
RBON          12.70%
     14:23 03/01/05
58 WT0.5000 CAL#1
RBON          0.027%

   AMBIENT MONITOR
   ---------------
     14:23 03/01/05

LOW L/MIN     3.250
*OUT-SEQ BEGUN ***

     14:25 03/01/05
59 WT0.3950 CAL#1
RBON          0.024%
     14:27 03/01/05
60 WT0.3820 CAL#1
RBON          0.030%
     14:29 03/01/05
61 WT0.3740 CAL#1
RBON          1.250%
     14:30 03/01/05
62 WT0.3760 CAL#1
RBON          1.710%
     14:33 03/01/05
63 WT0.3560 CAL#1
RBON          12.55%
     14:36 03/01/05
64 WT0.4490 CAL#1
RBON          12.34%
     14:38 03/01/05
65 WT0.5000 CAL#1
RBON          0.530%
     14:40 03/01/05
66 WT0.5000 CAL#1
RBON          0.300%
     14:41 03/01/05
67 WT0.5000 CAL#1
RBON          0.031%
```


01513

General Chemistry

Supporting Documentation

Sample Sequence, Instrument Printouts, Calculations

SEVERN TRENT STL

Batch: 5055599, 5055604, 5055601

Method: % moist 022405

I certify that, to the best of my knowledge, the attached package represents a complete and accurate copy of the original data.

Signature/Date: 2/26/08

GENERAL CHEMISTRY
SAMPLE DATA

SEVERN TRENT STL

STL DENVER

PAGE___OF___

PERCENT WATER WORKSHEET FOR SAMPLES WITH FIELD DUPLICATES

SOP:DEN-WC-0023 ANALYST: LCOON DATE: 24-Feb-05

IN: DATE TIME: 23:15 TEMP: 104 C(104+/-1C)

OUT: DATE TIME: ~~2/24/05~~ 02/25/05 13:45 TEMP: 104 C(104+/-1C)

DISH	WORK ORDER	LOT NUMBER	FIELD DUPLICATE LOT #	FIELD DUPLICATE LOT #	FIELD DUPLICATE LOT #	FIELD DUPLICATE LOT #	SAMPLE MASS WET	SAMPLE MASS DRY	(%) % SOLID	(%) % WATER
	BATCH #:						-	-	-	-
1	G4397	D5B240325-3	D5B240325-1	D5B240325-4	D5B240331-1		14.90	10.92	73.29	26.71
2	G42AW	D5B230387-3	D5B230387-4	D5B230387-6	D5B230393-1		15.88	11.23	70.72	29.28
3	G42AW-X	3DUP					14.39	10.05	69.84	30.16
4	G42A1	D5B230388-1					15.75	13.61	86.41	13.59
5	G42A5	-2					15.17	12.99	85.63	14.37
6	G43X9	D5B240257-1					15.22	14.18	93.17	6.83
7	G4QP2	D5B180360-13					15.05	15.04	99.93	0.07
8	G40G9	D5B230149-1					14.52	12.67	87.26	12.74
9	G40JM	-4					14.95	11.32	75.72	24.28
10	G40KG	-6					16.01	11.95	74.64	25.36
11	G40KP	-8					15.43	11.64	75.44	24.56
12	G40K3	-10					14.83	10.36	69.86	30.14
13	G43D1	-13					16.30	13.56	83.19	16.81
14	G43EP	-15					15.99	12.87	80.49	19.51
15	G43E1	-17					15.36	12.90	83.98	16.02
16	G43FC	-19					17.01	12.47	73.31	26.69
17							0.00	0.00	#DIV/0!	#DIV/0!
18							0.00	0.00	#DIV/0!	#DIV/0!
19							0.00	0.00	#DIV/0!	#DIV/0!
20							0.00	0.00	#DIV/0!	#DIV/0!
21							0.00	0.00	#DIV/0!	#DIV/0!
22							0.00	0.00	#DIV/0!	#DIV/0!
23							0.00	0.00	#DIV/0!	#DIV/0!
24							0.00	0.00	#DIV/0!	#DIV/0!
25							0.00	0.00	#DIV/0!	#DIV/0!

COMMENTS: -2.95319168 % RPD

BATCH: 5055599 / 666 #DIV/0! % RPD

RUN: 5056330

REVIEWED BY: DATE:

REV 6/10/04 SS

STL DENVER

PERCENT WATER

SOP:DEN-WC-0023 ANALYST: LCOON DATE: 24-Feb-05

IN: DATE TIME: 24-Feb-05 23:30 TEMP: 104 C(104+/-1C)

OUT: DATE TIME: 25-Feb-05 13:45 TEMP: 104 C(104+/-1C)

DISH	WORK ORDER	LOT NUMBER	CLIENT ID NUMBER	SAMPLE MASS WET	SAMPLE MASS DRY	(%) % SOLID	(%) % WATER
1	G4VKM	D5B210228-1	SOLID	15.42	8.67	56.23	43.77
2	G4VKR	-2	SOLID	15.11	10.59	70.09	29.91
3	G4VKR-X	2DUP	SOLID	15.95	11.37	71.29	28.71
4	G4VKT	-3	SOLID	15.85	9.86	62.21	37.79
5	G4VKV	-4	SOLID	15.05	8.73	58.01	41.99
6	G4VKW	-5	SOLID	14.94	10.93	73.16	26.84
7	G4VKX	-6	SOLID	14.78	12.66	85.66	14.34
8	G4VK0	-7	SOLID	15.37	9.67	62.91	37.09
9	G4VK1	-8	SOLID	14.23	8.14	57.20	42.80
10			SOLID			#DIV/0!	#DIV/0!
11			SOLID			#DIV/0!	#DIV/0!
12			SOLID			#DIV/0!	#DIV/0!
13			SOLID			#DIV/0!	#DIV/0!
14			SOLID			#DIV/0!	#DIV/0!
15			SOLID			#DIV/0!	#DIV/0!
16			SOLID			#DIV/0!	#DIV/0!
17			SOLID			#DIV/0!	#DIV/0!
18			SOLID			#DIV/0!	#DIV/0!
19			SOLID			#DIV/0!	#DIV/0!
20			SOLID			#DIV/0!	#DIV/0!
21			SOLID			#DIV/0!	#DIV/0!

COMMENTS: 4.09093418 % RPD

BATCH: F2 % RPD

RUN:

REVIEWED BY: DATE:

50 55 601

DIOXINS AND FURANS DATA PACKAGE