

Project: Port Ivory Site 1 RA

Client PO: Not Available

Report To: Hatch Mott MacDonald
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Millburn, NJ 07041

Attn: R.Trepp

Received Date: 5/3/2010

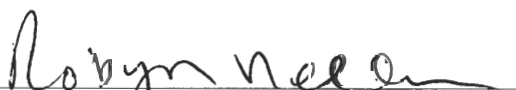
Report Date: 5/25/2010

Deliverables: NYDOH-CatB

Lab ID: AC51387

Lab Project No: 0050304

This report is a true report of results obtained from our tests of this material. All results meet the requirements of the NELAC Institute standards. In lieu of a formal contract document, the total aggregate liability of Veritech to all parties shall not exceed Veritech's total fee for analytical services rendered.


Jeri Ross, Quality Assurance Director

OR

Stanley Gilewicz - Laboratory Director

NJ (07071 and 07069) NY (ELAP11408 and 11939) CT (PH-0671) USACE
PA (68-00463 and 68-04409) KY (90124) WV (353)



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HC·V LABORATORY RESULTS

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SDG Narrative



SDG Narrative

Client: Port Authority of NY& NJ
Project: Port Ivory Site 1 RA

Hampton-Clarke/Veritech (HC-V) received the following samples on May 3, 2010:

<u>Client ID</u>	<u>HCV Sample ID</u>	<u>Matrix</u>	<u>Analysis</u>
PI-01-TP-RAU4042910SS01	AC51387-001	Soil	VO (8260B), BNA (8270C)
PI-01-TP-RAU5043010SS01	AC51387-002	Soil	VO (8260B), BNA (8270C)
PI-01-TP-RAU6043010SS01	AC51387-003	Soil	VO (8260B), BNA (8270C)
PI-01-TP-RAT1043010SS01	AC51387-004	Soil	VO (8260B), BNA (8270C)
PI-01-TP-RAU4DUP42910S01	AC51387-005	Soil	VO (8260B), BNA (8270C)
PI-01-TP-RAU5DUP42910S01	AC51387-006	Soil	VO (8260B), BNA (8270C)

Volatile Organic Analysis:

The recovery of Toluene-d8 surrogate is biased high, outside QC limits in sample AC51387-002 in the first analysis.

The recovery of Bromofluorobenzene surrogate is biased high, outside QC limits in sample AC51387-004 in the first analysis.

The recovery of Toluene-d8 and Bromofluorobenzene surrogates is biased high, outside QC limits in sample AC51387-006 in the first analysis.

The area of 1,4-Dichlorobenzene-d4 internal standard in sample AC51387-002 is biased low, outside +100% / -50% window from most recent calibration verification standard. The sample was reanalyzed confirming low internal standard area counts due to matrix interference.

The area of internal standards in samples AC51387-004 and 006 is biased low, outside +100% / -50% window from most recent calibration verification standard in both analysis.

Samples AC51387-002 and 006 were analyzed at a dilution due to high concentration of non-target analytes.

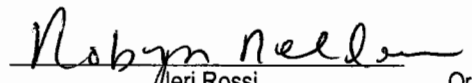
Base Neutral Acid Extractable Analysis:

The recovery of 2,4,6-Tribromophenol surrogate is biased high, outside QC limits in sample Laboratory Control Sample (MBS) in batch SMB4508.

There is no surrogate recovery data for samples AC51387-002 and 006 due to high sample dilution.

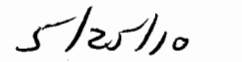
The area of internal standards in samples AC51387-003 and 005 is biased low, outside +100% / -50% window from most recent calibration verification standard in both analysis.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data has been authorized by the Laboratory Manager or his designee, as verified by the following signature.


Meri Rossi
Quality Assurance Director

Or

Stanley Gilewicz
Laboratory Director


Date

Reporting Limit Definitions



REPORTING LIMIT DEFINITIONS

RL = Reporting Limit

MDL = Method Detection Limit

For Clean Water Act and SW846 Organic methods, the Reporting Limit is determined by the concentration of the lowest standard in the calibration curve.

For Clean Water Act Metals method, the Reporting Limit is determined by the concentration of the lowest standard in the calibration curve.

For Clean Water Act and SW846 Wet Chemistry methods, the Reporting Limit is determined by the concentration of the lowest standard in the calibration curve. For most gravimetric methods the Reporting Limit is defined as a value 3 to 5 times the MDL.

Data Package Summary Forms

Veritech Report Of Analysis

Lab#: AC51387-001 Collection Date: 4/29/2010
Sample ID: PI-01-TP-RAU4042910SS01

TestGroup/Analyte	DF	Units	RL	Result

% Solids SM2540G

% Solids	1	percent	36	

Semivolatiles Organics + 25 (8270)

TestGroup/Analyte	DF	Units	RL	Result
:TotalSemiVolatileTic	1	mg/kg	NA	1300J
1,2,4-Trichlorobenzene	1	mg/kg	0.19	ND
1,2-Diphenylhydrazine	1	mg/kg	0.19	ND
2,4,5-Trichlorophenol	1	mg/kg	0.19	ND
2,4,6-Trichlorophenol	1	mg/kg	0.19	ND
2,4-Dichlorophenol	1	mg/kg	0.19	ND
2,4-Dimethylphenol	1	mg/kg	0.19	ND
2,4-Dinitrophenol	1	mg/kg	0.93	ND
2,4-Dinitrotoluene	1	mg/kg	0.19	ND
2,6-Dinitrotoluene	1	mg/kg	0.19	ND
2-Chloronaphthalene	1	mg/kg	0.19	ND
2-Chlorophenol	1	mg/kg	0.19	ND
2-Methylnaphthalene	1	mg/kg	0.19	2.6
2-Methylphenol	1	mg/kg	0.19	ND
2-Nitroaniline	1	mg/kg	0.19	ND
2-Nitrophenol	1	mg/kg	0.19	ND
3&4-Methylphenol	1	mg/kg	0.19	ND
3,3'-Dichlorobenzidine	1	mg/kg	0.19	ND
3-Nitroaniline	1	mg/kg	0.19	ND
4,6-Dinitro-2-methylphenol	1	mg/kg	0.93	ND
4-Bromophenyl-phenylether	1	mg/kg	0.19	ND
4-Chloro-3-methylphenol	1	mg/kg	0.19	ND
4-Chloroaniline	1	mg/kg	0.19	ND
4-Chlorophenyl-phenylether	1	mg/kg	0.19	ND
4-Nitroaniline	1	mg/kg	0.19	ND
4-Nitrophenol	1	mg/kg	0.19	ND
Acenaphthene	1	mg/kg	0.19	0.70
Acenaphthylene	1	mg/kg	0.19	ND
Aniline	1	mg/kg	0.19	ND
Anthracene	1	mg/kg	0.19	0.86
Benzidine	1	mg/kg	0.93	ND
Benzo[a]anthracene	1	mg/kg	0.19	1.1
Benzo[a]pyrene	1	mg/kg	0.19	0.56
Benzo[b]fluoranthene	1	mg/kg	0.19	0.92
Benzo[g,h,i]perylene	1	mg/kg	0.19	0.68
Benzo[k]fluoranthene	1	mg/kg	0.19	0.28
Benzoic acid	1	mg/kg	0.93	ND
bis(2-Chloroethoxy)methane	1	mg/kg	0.19	ND
bis(2-Chloroethyl)ether	1	mg/kg	0.19	ND
bis(2-Chloroisopropyl)ether	1	mg/kg	0.19	ND
bis(2-Ethylhexyl)phthalate	1	mg/kg	0.19	ND
Butylbenzylphthalate	1	mg/kg	0.19	ND
Carbazole	1	mg/kg	0.19	0.38
Chrysene	1	mg/kg	0.19	1.3
Dibenzo[a,h]anthracene	1	mg/kg	0.19	ND
Dibenzofuran	1	mg/kg	0.19	0.41
Diethylphthalate	1	mg/kg	0.19	ND
Dimethylphthalate	1	mg/kg	0.19	ND
Di-n-butylphthalate	1	mg/kg	0.19	ND
Di-n-octylphthalate	1	mg/kg	0.19	ND
Fluoranthene	1	mg/kg	0.19	2.7
Fluorene	1	mg/kg	0.19	0.96
Hexachlorobenzene	1	mg/kg	0.19	ND
Hexachlorobutadiene	1	mg/kg	0.19	ND
Hexachlorocyclopentadiene	1	mg/kg	0.93	ND
Hexachloroethane	1	mg/kg	0.19	ND
Indeno[1,2,3-cd]pyrene	1	mg/kg	0.19	0.51
Isophorone	1	mg/kg	0.19	ND
Naphthalene	1	mg/kg	0.19	3.6
Nitrobenzene	1	mg/kg	0.19	ND
N-Nitrosodimethylamine	1	mg/kg	0.19	ND
N-Nitroso-di-n-propylamine	1	mg/kg	0.19	ND
N-Nitrosodiphenylamine	1	mg/kg	0.19	ND
Pentachlorophenol	1	mg/kg	0.93	ND
Phenanthrene	1	mg/kg	0.19	6.3
Phenol	1	mg/kg	0.19	ND
Pyrene	1	mg/kg	0.19	3.3

Lab#: AC51387-001 Collection Date: 4/29/2010
Sample ID: PI-01-TP-RAU4042910SS01

TestGroup/Analyte	DF	Units	RL	Result

Volatile Organics + 10 (8260)

TestGroup/Analyte	DF	Units	RL	Result
:TotalVolatileTic	0.988	mg/kg	NA	1.3J
1,1,1-Trichloroethane	0.988	mg/kg	0.014	ND
1,1,2,2-Tetrachloroethane	0.988	mg/kg	0.014	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.988	mg/kg	0.014	ND
1,1,2-Trichloroethane	0.988	mg/kg	0.014	ND
1,1-Dichloroethane	0.988	mg/kg	0.014	ND
1,1-Dichloropropane	0.988	mg/kg	0.014	ND
1,2,4-Trimethylbenzene	0.988	mg/kg	0.0027	0.014
1,2-Dichlorobenzene	0.988	mg/kg	0.014	ND
1,2-Dichloroethane	0.988	mg/kg	0.014	ND
1,2-Dichloropropane	0.988	mg/kg	0.014	ND
1,3,5-Trimethylbenzene	0.988	mg/kg	0.0027	0.015
1,3-Dichlorobenzene	0.988	mg/kg	0.014	ND
1,3-Dichloropropane	0.988	mg/kg	0.014	ND
1,4-Dichlorobenzene	0.988	mg/kg	0.014	ND
1,4-Dioxane	0.988	mg/kg	0.69	ND
2-Butanone	0.988	mg/kg	0.014	ND
2-Chloroethylvinylether	0.988	mg/kg	0.014	ND
2-Hexanone	0.988	mg/kg	0.014	ND
4-Isopropyltoluene	0.988	mg/kg	0.0027	0.071
4-Methyl-2-pentanone	0.988	mg/kg	0.014	ND
Acetone	0.988	mg/kg	0.069	0.10
Acrolein	0.988	mg/kg	0.069	ND
Acrylonitrile	0.988	mg/kg	0.014	ND
Benzene	0.988	mg/kg	0.0027	ND
Bromodichloromethane	0.988	mg/kg	0.014	ND
Bromoform	0.988	mg/kg	0.014	ND
Bromomethane	0.988	mg/kg	0.014	ND
Carbon disulfide	0.988	mg/kg	0.014	ND
Carbon tetrachloride	0.988	mg/kg	0.014	ND
Chlorobenzene	0.988	mg/kg	0.014	ND
Chloroethane	0.988	mg/kg	0.014	ND
Chloroform	0.988	mg/kg	0.014	ND
Chloromethane	0.988	mg/kg	0.014	ND
cis-1,2-Dichloroethene	0.988	mg/kg	0.014	ND
cis-1,3-Dichloropropene	0.988	mg/kg	0.014	ND
Dibromochloromethane	0.988	mg/kg	0.014	ND
Dichlorodifluoromethane	0.988	mg/kg	0.014	ND
Ethylbenzene	0.988	mg/kg	0.0027	ND
Isopropylbenzene	0.988	mg/kg	0.0027	0.010
m&p-Xylenes	0.988	mg/kg	0.0027	0.0043
Methylene chloride	0.988	mg/kg	0.014	ND
Methyl-t-butyl ether	0.988	mg/kg	0.0027	ND
n-Butylbenzene	0.988	mg/kg	0.0027	0.022
n-Propylbenzene	0.988	mg/kg	0.0027	0.010
o-Xylene	0.988	mg/kg	0.0027	0.0047
sec-Butylbenzene	0.988	mg/kg	0.0027	0.0046
Styrene	0.988	mg/kg	0.014	ND
t-Butyl Alcohol	0.988	mg/kg	0.069	ND
t-Butylbenzene	0.988	mg/kg	0.0027	ND
Tetrachloroethene	0.988	mg/kg	0.014	ND
Toluene	0.988	mg/kg	0.0027	ND
trans-1,2-Dichloroethene	0.988	mg/kg	0.014	ND
trans-1,3-Dichloropropene	0.988	mg/kg	0.014	ND
Trichloroethene	0.988	mg/kg	0.014	ND
Trichlorofluoromethane	0.988	mg/kg	0.014	ND
Vinyl chloride	0.988	mg/kg	0.014	ND
Xylenes (Total)	0.988	mg/kg	0.0027	0.009

Lab#: AC51387-002 Collection Date: 4/30/2010
Sample ID: PI-01-TP-RAU5043010SS01

TestGroup/Analyte	DF	Units	RL	Result
% Solids SM2540G				
% Solids	1	percent	83	
Semivolatile Organics + 25 (8270)				
:TotalSemiVolatileTic	20	mg/kg	NA	980J
1,2,4-Trichlorobenzene	20	mg/kg	2.4	ND
1,2-Diphenylhydrazine	20	mg/kg	2.4	ND
2,4,5-Trichlorophenol	20	mg/kg	2.4	ND
2,4,6-Trichlorophenol	20	mg/kg	2.4	ND
2,4-Dichlorophenol	20	mg/kg	2.4	ND
2,4-Dimethylphenol	20	mg/kg	2.4	ND
2,4-Dinitrophenol	20	mg/kg	12	ND
2,4-Dinitrotoluene	20	mg/kg	2.4	ND
2,6-Dinitrotoluene	20	mg/kg	2.4	ND
2-Chloronaphthalene	20	mg/kg	2.4	ND
2-Chlorophenol	20	mg/kg	2.4	ND
2-Methylnaphthalene	20	mg/kg	2.4	11
2-Methylphenol	20	mg/kg	2.4	ND
2-Nitroaniline	20	mg/kg	2.4	ND
2-Nitrophenol	20	mg/kg	2.4	ND
3&4-Methylphenol	20	mg/kg	2.4	ND
3,3'-Dichlorobenzidine	20	mg/kg	2.4	ND
3-Nitroaniline	20	mg/kg	2.4	ND
4,6-Dinitro-2-methylphenol	20	mg/kg	12	ND
4-Bromophenyl-phenylether	20	mg/kg	2.4	ND
4-Chloro-3-methylphenol	20	mg/kg	2.4	ND
4-Chloroaniline	20	mg/kg	2.4	ND
4-Chlorophenyl-phenylether	20	mg/kg	2.4	ND
4-Nitroaniline	20	mg/kg	2.4	ND
4-Nitrophenol	20	mg/kg	2.4	ND
Acenaphthene	20	mg/kg	2.4	5.3
Acenaphthylene	20	mg/kg	2.4	ND
Aniline	20	mg/kg	2.4	ND
Anthracene	20	mg/kg	2.4	7.5
Benidine	20	mg/kg	12	ND
Benzo[a]anthracene	20	mg/kg	2.4	7.9
Benzo[a]pyrene	20	mg/kg	2.4	4.4
Benzo[b]fluoranthene	20	mg/kg	2.4	3.4
Benzo[g,h,i]perylene	20	mg/kg	2.4	3.5
Benzo[k]fluoranthene	20	mg/kg	2.4	ND
Benzoic acid	20	mg/kg	12	ND
bis(2-Chloroethoxy)methane	20	mg/kg	2.4	ND
bis(2-Chloroethyl)ether	20	mg/kg	2.4	ND
bis(2-Chloroisopropyl)ether	20	mg/kg	2.4	ND
bis(2-Ethylhexyl)phthalate	20	mg/kg	2.4	ND
Butylbenzylphthalate	20	mg/kg	2.4	ND
Carbazole	20	mg/kg	2.4	ND
Chrysene	20	mg/kg	2.4	11
Dibenzo[a,h]anthracene	20	mg/kg	2.4	ND
Dibenzofuran	20	mg/kg	2.4	ND
Diethylphthalate	20	mg/kg	2.4	ND
Dimethylphthalate	20	mg/kg	2.4	ND
Di-n-butylphthalate	20	mg/kg	2.4	ND
Di-n-octylphthalate	20	mg/kg	2.4	ND
Fluoranthene	20	mg/kg	2.4	7.4
Fluorene	20	mg/kg	2.4	4.1
Hexachlorobenzene	20	mg/kg	2.4	ND
Hexachlorobutadiene	20	mg/kg	2.4	ND
Hexachlorocyclopentadiene	20	mg/kg	12	ND
Hexachloroethane	20	mg/kg	2.4	ND
Indeno[1,2,3-cd]pyrene	20	mg/kg	2.4	ND
Isophorone	20	mg/kg	2.4	ND
Naphthalene	20	mg/kg	2.4	2.7
Nitrobenzene	20	mg/kg	2.4	ND
N-Nitrosodimethylamine	20	mg/kg	2.4	ND
N-Nitroso-di-n-propylamine	20	mg/kg	2.4	ND
N-Nitrosodiphenylamine	20	mg/kg	2.4	ND
Pentachlorophenol	20	mg/kg	12	ND
Phenanthrene	20	mg/kg	2.4	24
Phenol	20	mg/kg	2.4	ND
Pyrene	20	mg/kg	2.4	28

Lab#: AC51387-002 Collection Date: 4/30/2010
Sample ID: PI-01-TP-RAU5043010SS01

TestGroup/Analyte	DF	Units	RL	Result
Volatile Organics + 10 (8260)				
:TotalVolatileTic	5.1	mg/kg	NA	12J
1,1,1-Trichloroethane	5.1	mg/kg	0.031	ND
1,1,2,2-Tetrachloroethane	5.1	mg/kg	0.031	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	5.1	mg/kg	0.031	ND
1,1,2-Trichloroethane	5.1	mg/kg	0.031	ND
1,1-Dichloroethane	5.1	mg/kg	0.031	ND
1,1-Dichloroethene	5.1	mg/kg	0.031	ND
1,2,3-Trichloropropane	5.1	mg/kg	0.031	ND
1,2,4-Trimethylbenzene	5.1	mg/kg	0.0061	ND
1,2-Dichlorobenzene	5.1	mg/kg	0.031	ND
1,2-Dichloropropane	5.1	mg/kg	0.031	ND
1,2-Dichloropropene	5.1	mg/kg	0.031	ND
1,3,5-Trimethylbenzene	5.1	mg/kg	0.0061	0.0099
1,3-Dichlorobenzene	5.1	mg/kg	0.031	ND
1,3-Dichloropropene	5.1	mg/kg	0.031	ND
1,4-Dichlorobenzene	5.1	mg/kg	0.031	ND
1,4-Dioxane	5.1	mg/kg	1.5	ND
2-Butanone	5.1	mg/kg	0.031	ND
2-Chloroethylvinylether	5.1	mg/kg	0.031	ND
2-Hexanone	5.1	mg/kg	0.031	ND
4-Isopropyltoluene	5.1	mg/kg	0.0061	0.0073
4-Methyl-2-pentanone	5.1	mg/kg	0.031	ND
Acetone	5.1	mg/kg	0.15	ND
Acrolein	5.1	mg/kg	0.15	ND
Acrylonitrile	5.1	mg/kg	0.031	ND
Benzene	5.1	mg/kg	0.0061	ND
Bromodichloromethane	5.1	mg/kg	0.031	ND
Bromoform	5.1	mg/kg	0.031	ND
Bromomethane	5.1	mg/kg	0.031	ND
Carbon disulfide	5.1	mg/kg	0.031	ND
Carbon tetrachloride	5.1	mg/kg	0.031	ND
Chlorobenzene	5.1	mg/kg	0.031	ND
Chloroethane	5.1	mg/kg	0.031	ND
Chloroform	5.1	mg/kg	0.031	ND
Chloromethane	5.1	mg/kg	0.031	ND
cis-1,2-Dichloroethene	5.1	mg/kg	0.031	ND
cis-1,3-Dichloropropene	5.1	mg/kg	0.031	ND
Dibromochloromethane	5.1	mg/kg	0.031	ND
Dichlorodifluoromethane	5.1	mg/kg	0.031	ND
Ethylbenzene	5.1	mg/kg	0.0061	ND
Isopropylbenzene	5.1	mg/kg	0.0061	0.015
m&p-Xylenes	5.1	mg/kg	0.0061	0.0071
Methylene chloride	5.1	mg/kg	0.031	ND
Methyl-t-butyl ether	5.1	mg/kg	0.0061	ND
n-Butylbenzene	5.1	mg/kg	0.0061	ND
n-Propylbenzene	5.1	mg/kg	0.0061	ND
o-Xylene	5.1	mg/kg	0.0061	0.0079
sec-Butylbenzene	5.1	mg/kg	0.0061	0.025
Styrene	5.1	mg/kg	0.031	ND
t-Butyl Alcohol	5.1	mg/kg	0.15	ND
t-Butylbenzene	5.1	mg/kg	0.0061	ND
Tetrachloroethene	5.1	mg/kg	0.031	ND
Toluene	5.1	mg/kg	0.0061	0.0069
trans-1,2-Dichloroethene	5.1	mg/kg	0.031	ND
trans-1,3-Dichloropropene	5.1	mg/kg	0.031	ND
Trichloroethene	5.1	mg/kg	0.031	ND
Trichlorofluoromethane	5.1	mg/kg	0.031	ND
Vinyl chloride	5.1	mg/kg	0.031	ND
Xylenes (Total)	5.1	mg/kg	0.0061	0.015

Lab#: AC51387-003		Collection Date: 4/30/2010		
Sample ID: PI-01-TP-RAU6043010SS01				
TestGroup/Analyte	DF	Units	RL	Result

% Solids SM2540G

% Solids	1	percent	82	

Semivolatile Organics + 25 (8270)

:TotalSemiVolatileTic	1	mg/kg	NA	310J
1,2,4-Trichlorobenzene	1	mg/kg	0.081	ND
1,2-Diphenylhydrazine	1	mg/kg	0.081	ND
2,4,5-Trichlorophenol	1	mg/kg	0.081	ND
2,4,6-Trichlorophenol	1	mg/kg	0.081	ND
2,4-Dichlorophenol	1	mg/kg	0.081	ND
2,4-Dimethylphenol	1	mg/kg	0.081	ND
2,4-Dinitrophenol	1	mg/kg	0.41	ND
2,4-Dinitrotoluene	1	mg/kg	0.081	ND
2,6-Dinitrotoluene	1	mg/kg	0.081	ND
2-Chloronaphthalene	1	mg/kg	0.081	ND
2-Chlorophenol	1	mg/kg	0.081	ND
2-Methylnaphthalene	1	mg/kg	0.081	ND
2-Methylphenol	1	mg/kg	0.081	ND
2-Nitroaniline	1	mg/kg	0.081	ND
2-Nitrophenol	1	mg/kg	0.081	ND
3&4-Methylphenol	1	mg/kg	0.081	ND
3,3'-Dichlorobenzidine	1	mg/kg	0.081	ND
3-Nitroaniline	1	mg/kg	0.081	ND
4,6-Dinitro-2-methylphenol	1	mg/kg	0.41	ND
4-Bromophenyl-phenylether	1	mg/kg	0.081	ND
4-Chloro-3-methylphenol	1	mg/kg	0.081	ND
4-Chloroaniline	1	mg/kg	0.081	ND
4-Chlorophenyl-phenylether	1	mg/kg	0.081	ND
4-Nitroaniline	1	mg/kg	0.081	ND
4-Nitrophenol	1	mg/kg	0.081	ND
Acenaphthene	1	mg/kg	0.081	ND
Acenaphthylene	1	mg/kg	0.081	ND
Aniline	1	mg/kg	0.081	ND
Anthracene	1	mg/kg	0.081	ND
Benzidine	1	mg/kg	0.41	ND
Benzo[a]anthracene	1	mg/kg	0.081	ND
Benzo[a]pyrene	1	mg/kg	0.081	ND
Benzo[b]fluoranthene	1	mg/kg	0.081	ND
Benzo[g,h,i]perylene	1	mg/kg	0.081	ND
Benzo[k]fluoranthene	1	mg/kg	0.081	ND
Benzoic acid	1	mg/kg	0.41	ND
bis(2-Chloroethoxy)methane	1	mg/kg	0.081	ND
bis(2-Chloroethyl)ether	1	mg/kg	0.081	ND
bis(2-Chloroisopropyl)ether	1	mg/kg	0.081	ND
bis(2-Ethylhexyl)phthalate	1	mg/kg	0.081	ND
Butylbenzylphthalate	1	mg/kg	0.081	ND
Carbazole	1	mg/kg	0.081	ND
Chrysene	1	mg/kg	0.081	ND
Dibenzo[a,h]anthracene	1	mg/kg	0.081	ND
Dibenzofuran	1	mg/kg	0.081	ND
Diethylphthalate	1	mg/kg	0.081	ND
Dimethylphthalate	1	mg/kg	0.081	ND
Di-n-butylphthalate	1	mg/kg	0.081	ND
Di-n-octylphthalate	1	mg/kg	0.081	ND
Fluoranthene	1	mg/kg	0.081	ND
Fluorene	1	mg/kg	0.081	ND
Hexachlorobenzene	1	mg/kg	0.081	ND
Hexachlorobutadiene	1	mg/kg	0.081	ND
Hexachlorocyclopentadiene	1	mg/kg	0.41	ND
Hexachloroethane	1	mg/kg	0.081	ND
Indeno[1,2,3-cd]pyrene	1	mg/kg	0.081	ND
Isophorone	1	mg/kg	0.081	ND
Naphthalene	1	mg/kg	0.081	ND
Nitrobenzene	1	mg/kg	0.081	ND
N-Nitrosodimethylamine	1	mg/kg	0.081	ND
N-Nitroso-di-n-propylamine	1	mg/kg	0.081	ND
N-Nitrosodiphenylamine	1	mg/kg	0.081	ND
Pentachlorophenol	1	mg/kg	0.41	ND
Phenanthrene	1	mg/kg	0.081	ND
Phenol	1	mg/kg	0.081	ND
Pyrene	1	mg/kg	0.081	0.18

Lab#: AC51387-003		Collection Date: 4/30/2010		
Sample ID: PI-01-TP-RAU6043010SS01				
TestGroup/Analyte	DF	Units	RL	Result

Volatile Organics + 10 (8260)

:TotalVolatileTic	0.992	mg/kg	NA	ND
1,1,1-Trichloroethane	0.992	mg/kg	0.0060	ND
1,1,2,2-Tetrachloroethane	0.992	mg/kg	0.0060	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.992	mg/kg	0.0060	ND
1,1,2-Trichloroethane	0.992	mg/kg	0.0060	ND
1,1-Dichloroethane	0.992	mg/kg	0.0060	ND
1,1-Dichloroethene	0.992	mg/kg	0.0060	ND
1,2,3-Trichloropropane	0.992	mg/kg	0.0060	ND
1,2,4-Trimethylbenzene	0.992	mg/kg	0.0012	ND
1,2-Dichlorobenzene	0.992	mg/kg	0.0060	ND
1,2-Dichloroethane	0.992	mg/kg	0.0060	ND
1,2-Dichloropropane	0.992	mg/kg	0.0060	ND
1,3,5-Trimethylbenzene	0.992	mg/kg	0.0012	ND
1,3-Dichlorobenzene	0.992	mg/kg	0.0060	ND
1,3-Dichloropropane	0.992	mg/kg	0.0060	ND
1,4-Dichlorobenzene	0.992	mg/kg	0.0060	ND
1,4-Dioxane	0.992	mg/kg	0.30	ND
2-Butanone	0.992	mg/kg	0.0060	ND
2-Chloroethylvinylether	0.992	mg/kg	0.0060	ND
2-Hexanone	0.992	mg/kg	0.0060	ND
4-Isopropyltoluene	0.992	mg/kg	0.0012	ND
4-Methyl-2-pentanone	0.992	mg/kg	0.0060	ND
Acetone	0.992	mg/kg	0.030	ND
Acrolein	0.992	mg/kg	0.030	ND
Acrylonitrile	0.992	mg/kg	0.0060	ND
Benzene	0.992	mg/kg	0.0012	ND
Bromodichloromethane	0.992	mg/kg	0.0060	ND
Bromoform	0.992	mg/kg	0.0060	ND
Bromomethane	0.992	mg/kg	0.0060	ND
Carbon disulfide	0.992	mg/kg	0.0060	ND
Carbon tetrachloride	0.992	mg/kg	0.0060	ND
Chlorobenzene	0.992	mg/kg	0.0060	ND
Chloroethane	0.992	mg/kg	0.0060	ND
Chloroform	0.992	mg/kg	0.0060	ND
Chloromethane	0.992	mg/kg	0.0060	ND
cis-1,2-Dichloroethene	0.992	mg/kg	0.0060	ND
cis-1,3-Dichloropropene	0.992	mg/kg	0.0060	ND
Dibromochloromethane	0.992	mg/kg	0.0060	ND
Dichlorodifluoromethane	0.992	mg/kg	0.0060	ND
Ethylbenzene	0.992	mg/kg	0.0012	ND
Isopropylbenzene	0.992	mg/kg	0.0012	ND
m&p-Xylenes	0.992	mg/kg	0.0012	ND
Methylene chloride	0.992	mg/kg	0.0060	ND
Methyl-t-butyl ether	0.992	mg/kg	0.0012	ND
n-Butylbenzene	0.992	mg/kg	0.0012	ND
n-Propylbenzene	0.992	mg/kg	0.0012	ND
o-Xylene	0.992	mg/kg	0.0012	ND
sec-Butylbenzene	0.992	mg/kg	0.0012	ND
Styrene	0.992	mg/kg	0.0060	ND
t-Butyl Alcohol	0.992	mg/kg	0.030	ND
t-Butylbenzene	0.992	mg/kg	0.0012	ND
Tetrachloroethene	0.992	mg/kg	0.0060	ND
Toluene	0.992	mg/kg	0.0012	ND
trans-1,2-Dichloroethene	0.992	mg/kg	0.0060	ND
trans-1,3-Dichloropropene	0.992	mg/kg	0.0060	ND
Trichloroethene	0.992	mg/kg	0.0060	ND
Trichlorofluoromethane	0.992	mg/kg	0.0060	ND
Vinyl chloride	0.992	mg/kg	0.0060	ND
Xylenes (Total)	0.992	mg/kg	0.0012	ND

Lab#: AC51387-004	Collection Date: 4/30/2010
Sample ID: PI-01-TP-RAT1043010SS01	

TestGroup/Analyte	DF	Units	RL	Result
% Solids SM2540G				
% Solids	1	percent	84	
Semivolatile Organics + 25 (8270)				
:TotalSemiVolatileTic	5	mg/kg	NA	370J
1,2,4-Trichlorobenzene	5	mg/kg	0.40	ND
1,2-Diphenylhydrazine	5	mg/kg	0.40	ND
2,4,5-Trichlorophenol	5	mg/kg	0.40	ND
2,4,6-Trichlorophenol	5	mg/kg	0.40	ND
2,4-Dichlorophenol	5	mg/kg	0.40	ND
2,4-Dimethylphenol	5	mg/kg	0.40	ND
2,4-Dinitrophenol	5	mg/kg	2.0	ND
2,4-Dinitrotoluene	5	mg/kg	0.40	ND
2,6-Dinitrotoluene	5	mg/kg	0.40	ND
2-Chloronaphthalene	5	mg/kg	0.40	ND
2-Chlorophenol	5	mg/kg	0.40	ND
2-Methylnaphthalene	5	mg/kg	0.40	1.5
2-Methylphenol	5	mg/kg	0.40	ND
2-Nitroaniline	5	mg/kg	0.40	ND
2-Nitrophenol	5	mg/kg	0.40	ND
3&4-Methylphenol	5	mg/kg	0.40	ND
3,3'-Dichlorobenzidine	5	mg/kg	0.40	ND
3-Nitroaniline	5	mg/kg	0.40	ND
4,6-Dinitro-2-methylphenol	5	mg/kg	2.0	ND
4-Bromophenyl-phenylether	5	mg/kg	0.40	ND
4-Chloro-3-methylphenol	5	mg/kg	0.40	ND
4-Chloroaniline	5	mg/kg	0.40	ND
4-Chlorophenyl-phenylether	5	mg/kg	0.40	ND
4-Nitroaniline	5	mg/kg	0.40	ND
4-Nitrophenol	5	mg/kg	0.40	ND
Acenaphthene	5	mg/kg	0.40	0.75
Acenaphthylene	5	mg/kg	0.40	ND
Aniline	5	mg/kg	0.40	ND
Anthracene	5	mg/kg	0.40	1.5
Benzidine	5	mg/kg	2.0	ND
Benzo[a]anthracene	5	mg/kg	0.40	3.2
Benzo[a]pyrene	5	mg/kg	0.40	2.7
Benzo[b]fluoranthene	5	mg/kg	0.40	2.6
Benzo[g,h,i]perylene	5	mg/kg	0.40	2.7
Benzo[k]fluoranthene	5	mg/kg	0.40	0.88
Benzoic acid	5	mg/kg	2.0	ND
bis(2-Chloroethoxy)methane	5	mg/kg	0.40	ND
bis(2-Chloroethyl)ether	5	mg/kg	0.40	ND
bis(2-Chloroisopropyl)ether	5	mg/kg	0.40	ND
bis(2-Ethylhexyl)phthalate	5	mg/kg	0.40	ND
Butylbenzylphthalate	5	mg/kg	0.40	ND
Carbazole	5	mg/kg	0.40	ND
Chrysene	5	mg/kg	0.40	3.5
Dibenzo[a,h]anthracene	5	mg/kg	0.40	0.50
Dibenzofuran	5	mg/kg	0.40	ND
Diethylphthalate	5	mg/kg	0.40	ND
Dimethylphthalate	5	mg/kg	0.40	ND
Di-n-butylphthalate	5	mg/kg	0.40	ND
Di-n-octylphthalate	5	mg/kg	0.40	ND
Fluoranthene	5	mg/kg	0.40	3.7
Fluorene	5	mg/kg	0.40	0.81
Hexachlorobenzene	5	mg/kg	0.40	ND
Hexachlorobutadiene	5	mg/kg	0.40	ND
Hexachlorocyclopentadiene	5	mg/kg	2.0	ND
Hexachloroethane	5	mg/kg	0.40	ND
Indeno[1,2,3-cd]pyrene	5	mg/kg	0.40	1.6
Isophorone	5	mg/kg	0.40	ND
Naphthalene	5	mg/kg	0.40	0.76
Nitrobenzene	5	mg/kg	0.40	ND
N-Nitrosodimethylamine	5	mg/kg	0.40	ND
N-Nitroso-di-n-propylamine	5	mg/kg	0.40	ND
N-Nitrosodiphenylamine	5	mg/kg	0.40	ND
Pentachlorophenol	5	mg/kg	2.0	ND
Phenanthrene	5	mg/kg	0.40	5.2
Phenol	5	mg/kg	0.40	ND
Pyrene	5	mg/kg	0.40	7.4

Lab#: AC51387-004	Collection Date: 4/30/2010
Sample ID: PI-01-TP-RAT1043010SS01	

TestGroup/Analyte	DF	Units	RL	Result
Volatile Organics + 10 (8260)				
:TotalVolatileTic	0.98	mg/kg	NA	4.2J
1,1,1-Trichloroethane	0.98	mg/kg	0.0058	ND
1,1,2,2-Tetrachloroethane	0.98	mg/kg	0.0058	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.98	mg/kg	0.0058	ND
1,1,2-Trichloroethane	0.98	mg/kg	0.0058	ND
1,1-Dichloroethane	0.98	mg/kg	0.0058	ND
1,2-Dichloroethane	0.98	mg/kg	0.0058	ND
1,2,3-Trichloropropane	0.98	mg/kg	0.0058	ND
1,2,4-Trimethylbenzene	0.98	mg/kg	0.0012	0.11
1,2-Dichlorobenzene	0.98	mg/kg	0.0058	ND
1,2-Dichloroethane	0.98	mg/kg	0.0058	ND
1,2-Dichloropropane	0.98	mg/kg	0.0058	ND
1,3,5-Trimethylbenzene	0.98	mg/kg	0.0012	0.048
1,3-Dichlorobenzene	0.98	mg/kg	0.0058	ND
1,3-Dichloropropane	0.98	mg/kg	0.0058	ND
1,4-Dichlorobenzene	0.98	mg/kg	0.0058	ND
1,4-Dioxane	0.98	mg/kg	0.29	ND
2-Butanone	0.98	mg/kg	0.0058	ND
2-Chloroethylvinylether	0.98	mg/kg	0.0058	ND
2-Hexanone	0.98	mg/kg	0.0058	ND
4-Isopropyltoluene	0.98	mg/kg	0.0012	0.030
4-Methyl-2-pentanone	0.98	mg/kg	0.0058	ND
Acetone	0.98	mg/kg	0.029	ND
Acrolein	0.98	mg/kg	0.029	ND
Acrylonitrile	0.98	mg/kg	0.0058	ND
Benzene	0.98	mg/kg	0.0012	ND
Bromodichloromethane	0.98	mg/kg	0.0058	ND
Bromoform	0.98	mg/kg	0.0058	ND
Bromomethane	0.98	mg/kg	0.0058	ND
Carbon disulfide	0.98	mg/kg	0.0058	ND
Carbon tetrachloride	0.98	mg/kg	0.0058	ND
Chlorobenzene	0.98	mg/kg	0.0058	ND
Chloroethane	0.98	mg/kg	0.0058	ND
Chloroform	0.98	mg/kg	0.0058	ND
Chloromethane	0.98	mg/kg	0.0058	ND
cis-1,2-Dichloroethene	0.98	mg/kg	0.0058	ND
cis-1,3-Dichloropropene	0.98	mg/kg	0.0058	ND
Dibromochloromethane	0.98	mg/kg	0.0058	ND
Dichlorodifluoromethane	0.98	mg/kg	0.0058	ND
Ethylbenzene	0.98	mg/kg	0.0012	0.0054
Isopropylbenzene	0.98	mg/kg	0.0012	0.029
m&p-Xylenes	0.98	mg/kg	0.0012	0.022
Methylene chloride	0.98	mg/kg	0.0058	ND
Methyl-t-butyl ether	0.98	mg/kg	0.0012	ND
n-Butylbenzene	0.98	mg/kg	0.0012	0.059
n-Propylbenzene	0.98	mg/kg	0.0012	0.028
o-Xylene	0.98	mg/kg	0.0012	0.034
sec-Butylbenzene	0.98	mg/kg	0.0012	0.024
Styrene	0.98	mg/kg	0.0058	ND
t-Butyl Alcohol	0.98	mg/kg	0.029	ND
t-Butylbenzene	0.98	mg/kg	0.0012	ND
Tetrachloroethene	0.98	mg/kg	0.0058	ND
Toluene	0.98	mg/kg	0.0012	0.0055
trans-1,2-Dichloroethene	0.98	mg/kg	0.0058	ND
trans-1,3-Dichloropropene	0.98	mg/kg	0.0058	ND
Trichloroethene	0.98	mg/kg	0.0058	ND
Trichlorofluoromethane	0.98	mg/kg	0.0058	ND
Vinyl chloride	0.98	mg/kg	0.0058	ND
Xylenes (Total)	0.98	mg/kg	0.0012	0.056

Lab#: AC51387-005	Collection Date: 4/30/2010
Sample ID: PI-01-TP-RAU4DUP42910S01	

TestGroup/Analyte	DF	Units	RL	Result
% Solids SM2540G				
% Solids	1	percent	36	
Semivolatile Organics + 25 (8270)				
:TotalSemiVolatileTic	1	mg/kg	NA	1500J
1,2,4-Trichlorobenzene	1	mg/kg	0.19	ND
1,2-Diphenylhydrazine	1	mg/kg	0.19	ND
2,4,5-Trichlorophenol	1	mg/kg	0.19	ND
2,4,6-Trichlorophenol	1	mg/kg	0.19	ND
2,4-Dichlorophenol	1	mg/kg	0.19	ND
2,4-Dimethylphenol	1	mg/kg	0.19	ND
2,4-Dinitrophenol	1	mg/kg	0.93	ND
2,4-Dinitrotoluene	1	mg/kg	0.19	ND
2,6-Dinitrotoluene	1	mg/kg	0.19	ND
2-Chloronaphthalene	1	mg/kg	0.19	ND
2-Chlorophenol	1	mg/kg	0.19	ND
2-Methylnaphthalene	1	mg/kg	0.19	2.1
2-Methylphenol	1	mg/kg	0.19	ND
2-Nitroaniline	1	mg/kg	0.19	ND
2-Nitrophenol	1	mg/kg	0.19	ND
3&4-Methylphenol	1	mg/kg	0.19	ND
3,3'-Dichlorobenzidine	1	mg/kg	0.19	ND
3-Nitroaniline	1	mg/kg	0.19	ND
4,6-Dinitro-2-methylphenol	1	mg/kg	0.93	ND
4-Bromophenyl-phenylether	1	mg/kg	0.19	ND
4-Chloro-3-methylphenol	1	mg/kg	0.19	ND
4-Chloroaniline	1	mg/kg	0.19	ND
4-Chlorophenyl-phenylether	1	mg/kg	0.19	ND
4-Nitroaniline	1	mg/kg	0.19	ND
4-Nitrophenol	1	mg/kg	0.19	ND
Acenaphthene	1	mg/kg	0.19	0.74
Acenaphthylene	1	mg/kg	0.19	ND
Aniline	1	mg/kg	0.19	ND
Anthracene	1	mg/kg	0.19	0.95
Benzidine	1	mg/kg	0.93	ND
Benzo[a]anthracene	1	mg/kg	0.19	1.1
Benzo[a]pyrene	1	mg/kg	0.19	0.57
Benzo[b]fluoranthene	1	mg/kg	0.19	1.0
Benzo[g,h,i]perylene	1	mg/kg	0.19	0.65
Benzo[k]fluoranthene	1	mg/kg	0.19	0.23
Benzoic acid	1	mg/kg	0.93	ND
bis(2-Chloroethoxy)methane	1	mg/kg	0.19	ND
bis(2-Chloroethyl)ether	1	mg/kg	0.19	ND
bis(2-Chloroisopropyl)ether	1	mg/kg	0.19	ND
bis(2-Ethylhexyl)phthalate	1	mg/kg	0.19	ND
Butylbenzylphthalate	1	mg/kg	0.19	ND
Carbazole	1	mg/kg	0.19	0.44
Chrysene	1	mg/kg	0.19	1.4
Dibenzo[a,h]anthracene	1	mg/kg	0.19	ND
Dibenzofuran	1	mg/kg	0.19	0.54
Diethylphthalate	1	mg/kg	0.19	ND
Dimethylphthalate	1	mg/kg	0.19	ND
Di-n-butylphthalate	1	mg/kg	0.19	ND
Di-n-octylphthalate	1	mg/kg	0.19	ND
Fluoranthene	1	mg/kg	0.19	3.3
Fluorene	1	mg/kg	0.19	1.0
Hexachlorobenzene	1	mg/kg	0.19	ND
Hexachlorobutadiene	1	mg/kg	0.19	ND
Hexachlorocyclopentadiene	1	mg/kg	0.93	ND
Hexachloroethane	1	mg/kg	0.19	ND
Indeno[1,2,3-cd]pyrene	1	mg/kg	0.19	0.57
Isophorone	1	mg/kg	0.19	ND
Naphthalene	1	mg/kg	0.19	6.0
Nitrobenzene	1	mg/kg	0.19	ND
N-Nitrosodimethylamine	1	mg/kg	0.19	ND
N-Nitroso-di-n-propylamine	1	mg/kg	0.19	ND
N-Nitrosodiphenylamine	1	mg/kg	0.19	ND
Pentachlorophenol	1	mg/kg	0.93	ND
Phenanthrene	1	mg/kg	0.19	6.7
Phenol	1	mg/kg	0.19	ND
Pyrene	1	mg/kg	0.19	2.9

Lab#: AC51387-005	Collection Date: 4/30/2010
Sample ID: PI-01-TP-RAU4DUP42910S01	

TestGroup/Analyte	DF	Units	RL	Result
Volatile Organics + 10 (8260)				
:TotalVolatileTic	4.85	mg/kg	NA	5J
1,1,1-Trichloroethane	4.85	mg/kg	0.067	ND
1,1,2,2-Tetrachloroethane	4.85	mg/kg	0.067	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	4.85	mg/kg	0.067	ND
1,1,2-Trichloroethane	4.85	mg/kg	0.067	ND
1,1-Dichloroethane	4.85	mg/kg	0.067	ND
1,1-Dichloroethene	4.85	mg/kg	0.067	ND
1,2,3-Trichloropropane	4.85	mg/kg	0.067	ND
1,2,4-Trimethylbenzene	4.85	mg/kg	0.013	0.17
1,2-Dichlorobenzene	4.85	mg/kg	0.067	ND
1,2-Dichloropropane	4.85	mg/kg	0.067	ND
1,2-Dichloropropene	4.85	mg/kg	0.067	ND
1,3,5-Trimethylbenzene	4.85	mg/kg	0.013	0.14
1,3-Dichlorobenzene	4.85	mg/kg	0.067	ND
1,3-Dichloropropane	4.85	mg/kg	0.067	ND
1,4-Dichlorobenzene	4.85	mg/kg	0.067	ND
1,4-Dioxane	4.85	mg/kg	3.4	ND
2-Butanone	4.85	mg/kg	0.067	ND
2-Chloroethylvinylether	4.85	mg/kg	0.067	ND
2-Hexanone	4.85	mg/kg	0.067	ND
4-Isopropyltoluene	4.85	mg/kg	0.013	0.87
4-Methyl-2-pentanone	4.85	mg/kg	0.067	ND
Acetone	4.85	mg/kg	0.34	2.0
Acrolein	4.85	mg/kg	0.34	ND
Acrylonitrile	4.85	mg/kg	0.067	ND
Benzene	4.85	mg/kg	0.013	ND
Bromodichloromethane	4.85	mg/kg	0.067	ND
Bromoform	4.85	mg/kg	0.067	ND
Bromomethane	4.85	mg/kg	0.067	ND
Carbon disulfide	4.85	mg/kg	0.067	ND
Carbon tetrachloride	4.85	mg/kg	0.067	ND
Chlorobenzene	4.85	mg/kg	0.067	ND
Chloroethane	4.85	mg/kg	0.067	ND
Chloroform	4.85	mg/kg	0.067	ND
Chloromethane	4.85	mg/kg	0.067	ND
cis-1,2-Dichloroethene	4.85	mg/kg	0.067	ND
cis-1,3-Dichloropropene	4.85	mg/kg	0.067	ND
Dibromochloromethane	4.85	mg/kg	0.067	ND
Dichlorodifluoromethane	4.85	mg/kg	0.067	ND
Ethylbenzene	4.85	mg/kg	0.013	0.033
Isopropylbenzene	4.85	mg/kg	0.013	0.041
m&p-Xylenes	4.85	mg/kg	0.013	0.034
Methylene chloride	4.85	mg/kg	0.067	ND
Methyl-t-butyl ether	4.85	mg/kg	0.013	ND
n-Butylbenzene	4.85	mg/kg	0.013	0.27
n-Propylbenzene	4.85	mg/kg	0.013	0.081
o-Xylene	4.85	mg/kg	0.013	0.064
sec-Butylbenzene	4.85	mg/kg	0.013	ND
Styrene	4.85	mg/kg	0.067	ND
t-Butyl Alcohol	4.85	mg/kg	0.34	ND
t-Butylbenzene	4.85	mg/kg	0.013	ND
Tetrachloroethene	4.85	mg/kg	0.067	ND
Toluene	4.85	mg/kg	0.013	0.016
trans-1,2-Dichloroethene	4.85	mg/kg	0.067	ND
trans-1,3-Dichloropropene	4.85	mg/kg	0.067	ND
Trichloroethene	4.85	mg/kg	0.067	ND
Trichlorofluoromethane	4.85	mg/kg	0.067	ND
Vinyl chloride	4.85	mg/kg	0.067	ND
Xylenes (Total)	4.85	mg/kg	0.013	0.098

Lab#: AC51387-006		Collection Date: 4/29/2010		
Sample ID: PI-01-TP-RAU5DUP42910S01				
TestGroup/Analyte	DF	Units	RL	Result
% Solids SM2540G				
% Solids	1	percent		84
Semivolatile Organics + 25 (8270)				
:TotalSemiVolatileTic	20	mg/kg	NA	1100J
1,2,4-Trichlorobenzene	20	mg/kg	2.4	ND
1,2-Diphenylhydrazine	20	mg/kg	2.4	ND
2,4,5-Trichlorophenol	20	mg/kg	2.4	ND
2,4,6-Trichlorophenol	20	mg/kg	2.4	ND
2,4-Dichlorophenol	20	mg/kg	2.4	ND
2,4-Dimethylphenol	20	mg/kg	2.4	ND
2,4-Dinitrophenol	20	mg/kg	12	ND
2,4-Dinitrotoluene	20	mg/kg	2.4	ND
2,6-Dinitrotoluene	20	mg/kg	2.4	ND
2-Chloronaphthalene	20	mg/kg	2.4	ND
2-Chlorophenol	20	mg/kg	2.4	ND
2-Methylnaphthalene	20	mg/kg	2.4	24
2-Methylphenol	20	mg/kg	2.4	ND
2-Nitroaniline	20	mg/kg	2.4	ND
2-Nitrophenol	20	mg/kg	2.4	ND
3&4-Methylphenol	20	mg/kg	2.4	ND
3,3'-Dichlorobenzidine	20	mg/kg	2.4	ND
3-Nitroaniline	20	mg/kg	2.4	ND
4,6-Dinitro-2-methylphenol	20	mg/kg	12	ND
4-Bromophenyl-phenylether	20	mg/kg	2.4	ND
4-Chloro-3-methylphenol	20	mg/kg	2.4	ND
4-Chloroaniline	20	mg/kg	2.4	ND
4-Chlorophenyl-phenylether	20	mg/kg	2.4	ND
4-Nitroaniline	20	mg/kg	2.4	ND
4-Nitrophenol	20	mg/kg	2.4	ND
Acenaphthene	20	mg/kg	2.4	6.6
Acenaphthylene	20	mg/kg	2.4	ND
Aniline	20	mg/kg	2.4	ND
Anthracene	20	mg/kg	2.4	9.4
Benzidine	20	mg/kg	12	ND
Benzo[a]anthracene	20	mg/kg	2.4	8.9
Benzo[a]pyrene	20	mg/kg	2.4	5.2
Benzo[b]fluoranthene	20	mg/kg	2.4	2.8
Benzo[g,h,i]perylene	20	mg/kg	2.4	3.3
Benzo[k]fluoranthene	20	mg/kg	2.4	ND
Benzoic acid	20	mg/kg	12	ND
bis(2-Chloroethoxy)methane	20	mg/kg	2.4	ND
bis(2-Chloroethyl)ether	20	mg/kg	2.4	ND
bis(2-Chloroisopropyl)ether	20	mg/kg	2.4	ND
bis(2-Ethylhexyl)phthalate	20	mg/kg	2.4	ND
Butylbenzylphthalate	20	mg/kg	2.4	ND
Carbazole	20	mg/kg	2.4	ND
Chrysene	20	mg/kg	2.4	13
Dibenzo[a,h]anthracene	20	mg/kg	2.4	ND
Dibenzofuran	20	mg/kg	2.4	ND
Diethylphthalate	20	mg/kg	2.4	ND
Dimethylphthalate	20	mg/kg	2.4	ND
Di-n-butylphthalate	20	mg/kg	2.4	ND
Di-n-octylphthalate	20	mg/kg	2.4	ND
Fluoranthene	20	mg/kg	2.4	7.3
Fluorene	20	mg/kg	2.4	6.9
Hexachlorobenzene	20	mg/kg	2.4	ND
Hexachlorobutadiene	20	mg/kg	2.4	ND
Hexachlorocyclopentadiene	20	mg/kg	12	ND
Hexachloroethane	20	mg/kg	2.4	ND
Indeno[1,2,3-cd]pyrene	20	mg/kg	2.4	ND
Isophorone	20	mg/kg	2.4	ND
Naphthalene	20	mg/kg	2.4	3.8
Nitrobenzene	20	mg/kg	2.4	ND
N-Nitrosodimethylamine	20	mg/kg	2.4	ND
N-Nitroso-di-n-propylamine	20	mg/kg	2.4	ND
N-Nitrosodiphenylamine	20	mg/kg	2.4	ND
Pentachlorophenol	20	mg/kg	12	ND
Phenanthrene	20	mg/kg	2.4	40
Phenol	20	mg/kg	2.4	ND
Pyrene	20	mg/kg	2.4	35

Lab#: AC51387-006		Collection Date: 4/29/2010		
Sample ID: PI-01-TP-RAU5DUP42910S01				
TestGroup/Analyte	DF	Units	RL	Result
Volatile Organics + 10 (8260)				
:TotalVolatileTic	5.05	mg/kg	NA	16J
1,1,1-Trichloroethane	5.05	mg/kg	0.030	ND
1,1,2,2-Tetrachloroethane	5.05	mg/kg	0.030	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	5.05	mg/kg	0.030	ND
1,1,2-Trichloroethane	5.05	mg/kg	0.030	ND
1,1-Dichloroethane	5.05	mg/kg	0.030	ND
1,1-Dichloroethene	5.05	mg/kg	0.030	ND
1,2,3-Trichloropropane	5.05	mg/kg	0.030	ND
1,2,4-Trimethylbenzene	5.05	mg/kg	0.0060	ND
1,2-Dichlorobenzene	5.05	mg/kg	0.030	ND
1,2-Dichloropropane	5.05	mg/kg	0.030	ND
1,3,5-Trimethylbenzene	5.05	mg/kg	0.0060	ND
1,3-Dichlorobenzene	5.05	mg/kg	0.030	ND
1,3-Dichloropropane	5.05	mg/kg	0.030	ND
1,4-Dichlorobenzene	5.05	mg/kg	0.030	ND
1,4-Dioxane	5.05	mg/kg	1.5	ND
2-Butanone	5.05	mg/kg	0.030	ND
2-Chloroethylvinylether	5.05	mg/kg	0.030	ND
2-Hexanone	5.05	mg/kg	0.030	ND
4-Isopropyltoluene	5.05	mg/kg	0.0060	ND
4-Methyl-2-pentanone	5.05	mg/kg	0.030	ND
Acetone	5.05	mg/kg	0.15	ND
Acrolein	5.05	mg/kg	0.15	ND
Acrylonitrile	5.05	mg/kg	0.030	ND
Benzene	5.05	mg/kg	0.0060	ND
Bromodichloromethane	5.05	mg/kg	0.030	ND
Bromoform	5.05	mg/kg	0.030	ND
Bromomethane	5.05	mg/kg	0.030	ND
Carbon disulfide	5.05	mg/kg	0.030	ND
Carbon tetrachloride	5.05	mg/kg	0.030	ND
Chlorobenzene	5.05	mg/kg	0.030	ND
Chloroethane	5.05	mg/kg	0.030	ND
Chloroform	5.05	mg/kg	0.030	ND
Chloromethane	5.05	mg/kg	0.030	ND
cis-1,2-Dichloroethene	5.05	mg/kg	0.030	ND
cis-1,3-Dichloropropene	5.05	mg/kg	0.030	ND
Dibromochloromethane	5.05	mg/kg	0.030	ND
Dichlorodifluoromethane	5.05	mg/kg	0.030	ND
Ethylbenzene	5.05	mg/kg	0.0060	ND
Isopropylbenzene	5.05	mg/kg	0.0060	0.036
m&p-Xylenes	5.05	mg/kg	0.0060	0.013
Methylene chloride	5.05	mg/kg	0.030	ND
Methyl-t-butyl ether	5.05	mg/kg	0.0060	ND
n-Butylbenzene	5.05	mg/kg	0.0060	ND
n-Propylbenzene	5.05	mg/kg	0.0060	ND
o-Xylene	5.05	mg/kg	0.0060	0.018
sec-Butylbenzene	5.05	mg/kg	0.0060	0.045
Styrene	5.05	mg/kg	0.030	ND
t-Butyl Alcohol	5.05	mg/kg	0.15	ND
t-Butylbenzene	5.05	mg/kg	0.0060	ND
Tetrachloroethene	5.05	mg/kg	0.030	ND
Toluene	5.05	mg/kg	0.0060	0.015
trans-1,2-Dichloroethene	5.05	mg/kg	0.030	ND
trans-1,3-Dichloropropene	5.05	mg/kg	0.030	ND
Trichloroethene	5.05	mg/kg	0.030	ND
Trichlorofluoromethane	5.05	mg/kg	0.030	ND
Vinyl chloride	5.05	mg/kg	0.030	ND
Xylenes (Total)	5.05	mg/kg	0.0060	0.031

Form1
ORGANICS VOLATILE REPORT

Sample Number: AC51387-001

Client Id: PI-01-TP-RAU4042910SS0

Data File: 1M57059.D

Analysis Date: 05/07/10 11:07

Date Rec/Extracted: 05/03/10-NA

Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B

Matrix: Soil

Initial Vol: 5.06g

Final Vol: NA

Dilution: 0.988

Solids: 36

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.014	U	56-23-5	Carbon Tetrachloride	0.014	U
79-34-5	1,1,2,2-Tetrachloroethane	0.014	U	108-90-7	Chlorobenzene	0.014	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.014	U	75-00-3	Chloroethane	0.014	U
79-00-5	1,1,2-Trichloroethane	0.014	U	67-66-3	Chloroform	0.014	U
75-34-3	1,1-Dichloroethane	0.014	U	74-87-3	Chloromethane	0.014	U
75-35-4	1,1-Dichloroethene	0.014	U	156-59-2	cis-1,2-Dichloroethene	0.014	U
96-18-4	1,2,3-Trichloropropane	0.014	U	10061-01-5	cis-1,3-Dichloropropene	0.014	U
95-63-6	1,2,4-Trimethylbenzene	0.0027	0.014	124-48-1	Dibromochloromethane	0.014	U
95-50-1	1,2-Dichlorobenzene	0.014	U	75-71-8	Dichlorodifluoromethane	0.014	U
107-06-2	1,2-Dichloroethane	0.014	U	100-41-4	Ethylbenzene	0.0027	U
78-87-5	1,2-Dichloropropane	0.014	U	98-82-8	Isopropylbenzene	0.0027	0.010
108-67-8	1,3,5-Trimethylbenzene	0.0027	0.015	136777612	m&p-Xylenes	0.0027	0.0043
541-73-1	1,3-Dichlorobenzene	0.014	U	75-09-2	Methylene Chloride	0.014	U
142-28-9	1,3-Dichloropropane	0.014	U	1634-04-4	Methyl-t-butyl ether	0.0027	U
106-46-7	1,4-Dichlorobenzene	0.014	U	104-51-8	n-Butylbenzene	0.0027	0.022
123-91-1	1,4-Dioxane	0.69	U	103-65-1	n-Propylbenzene	0.0027	0.010
78-93-3	2-Butanone	0.014	U	95-47-6	o-Xylene	0.0027	0.0047
110-75-8	2-Chloroethylvinylether	0.014	U	135-98-8	sec-Butylbenzene	0.0027	0.0046
591-78-6	2-Hexanone	0.014	U	100-42-5	Styrene	0.014	U
99-87-6	4-Isopropyltoluene	0.0027	0.071	75-65-0	t-Butyl Alcohol	0.069	U
108-10-1	4-Methyl-2-Pentanone	0.014	U	98-06-6	t-Butylbenzene	0.0027	U
67-64-1	Acetone	0.069	0.10	127-18-4	Tetrachloroethene	0.014	U
107-02-8	Acrolein	0.069	U	108-88-3	Toluene	0.0027	U
107-13-1	Acrylonitrile	0.014	U	156-60-5	trans-1,2-Dichloroethene	0.014	U
71-43-2	Benzene	0.0027	U	10061-02-6	trans-1,3-Dichloropropene	0.014	U
75-27-4	Bromodichloromethane	0.014	U	79-01-6	Trichloroethene	0.014	U
75-25-2	Bromoform	0.014	U	75-69-4	Trichlorofluoromethane	0.014	U
74-83-9	Bromomethane	0.014	U	75-01-4	Vinyl Chloride	0.014	U
75-15-0	Carbon Disulfide	0.014	U	1330-20-7	Xylenes (Total)	0.0027	0.009

Worksheet #: 151241

Total Target Concentration 0.26

ColumnID: (^) Indicates results from 2nd column

*U - Indicates the compound was analyzed but not detected.**B - Indicates the analyte was found in the blank as well as in the sample.**E - Indicates the analyte concentration exceeds the calibration range of the instrument.**R - Retention Time Out**J - Indicates an estimated value when a compound is detected at less than the specified detection limit.**d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.*

Form1eORGANICS VOLATILE REPORT
Tentatively Identified Compounds

Sample Number: AC51387-001	Matrix: Soil
Client Id: PI-01-TP-RAU4042910	Initial Vol: 5.06g
Data File: 1M57059.D	Final Vol: NA
Analysis Date: 05/07/10 11:07	Dilution: 0.988
Date Rec/Extracted: 05/03/10-NA	Solids: 36
	Method: EPA 8260B

Units: mg/Kg

	Cas #	Compound	RT	Conc
1		unknown	6.96	0.086 J
2	29350-67-2	Cyclohexene, 1-methyl-4-(1-methylethyl)	7.79	0.094 J
3	1758-88-9	Benzene, 2-ethyl-1,4-dimethyl-	8.30	0.085 J
4	767-58-8	1H-Indene, 2,3-dihydro-1-methyl-	8.40	0.20 J
5	2958-76-1	Naphthalene, decahydro-2-methyl-	8.53	0.096 J
6	488-23-3	Benzene, 1,2,3,4-tetramethyl-	8.88	0.28 J
7	17057-82-8	1H-Indene, 2,3-dihydro-1,2-dimethyl-	9.10	0.14 J
8	4175-53-5	1H-Indene, 2,3-dihydro-1,3-dimethyl-	9.21	0.18 J
9		unknown	9.42	0.10 J
10	1685-82-1	1H-Indene, 2,3-dihydro-4,6-dimethyl-	9.68	0.085 J

Worksheet #: 151241

Total Tentatively Identified Concentration 1.3*A - Indicates an aldol condensate.**J - Indicates an estimated value.**B - Indicates the analyte was found in the blank as well as in the sample.**Y - Indicates the analyte was found in the blank at <10% of the concentration of the sample.**<10% - Indicates the analyte was found in the blank at < 10% of nearest Internal Standard*

Form1
ORGANICS VOLATILE REPORT

Sample Number: AC51387-002(5X)

Client Id: PI-01-TP-AU5043010SS0

Data File: 1M57126.D

Analysis Date: 05/10/10 15:40

Date Rec/Extracted: 05/03/10-NA

Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B

Matrix: Soil

Initial Vol: 0.98g

Final Vol: NA

Dilution: 5.10

Solids: 83

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.031	U	56-23-5	Carbon Tetrachloride	0.031	U
79-34-5	1,1,2,2-Tetrachloroethane	0.031	U	108-90-7	Chlorobenzene	0.031	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.031	U	75-00-3	Chloroethane	0.031	U
79-00-5	1,1,2-Trichloroethane	0.031	U	67-66-3	Chloroform	0.031	U
75-34-3	1,1-Dichloroethane	0.031	U	74-87-3	Chloromethane	0.031	U
75-35-4	1,1-Dichloroethene	0.031	U	156-59-2	cis-1,2-Dichloroethene	0.031	U
96-18-4	1,2,3-Trichloropropane	0.031	U	10061-01-5	cis-1,3-Dichloropropene	0.031	U
95-63-6	1,2,4-Trimethylbenzene	0.0061	U	124-48-1	Dibromochloromethane	0.031	U
95-50-1	1,2-Dichlorobenzene	0.031	U	75-71-8	Dichlorodifluoromethane	0.031	U
107-06-2	1,2-Dichloroethane	0.031	U	100-41-4	Ethylbenzene	0.0061	U
78-87-5	1,2-Dichloropropane	0.031	U	98-82-8	Isopropylbenzene	0.0061	0.015
108-67-8	1,3,5-Trimethylbenzene	0.0061	0.0099	136777612	m&p-Xylenes	0.0061	0.0071
541-73-1	1,3-Dichlorobenzene	0.031	U	75-09-2	Methylene Chloride	0.031	U
142-28-9	1,3-Dichloropropane	0.031	U	1634-04-4	Methyl-t-butyl ether	0.0061	U
106-46-7	1,4-Dichlorobenzene	0.031	U	104-51-8	n-Butylbenzene	0.0061	U
123-91-1	1,4-Dioxane	1.5	U	103-65-1	n-Propylbenzene	0.0061	U
78-93-3	2-Butanone	0.031	U	95-47-6	o-Xylene	0.0061	0.0079
110-75-8	2-Chloroethylvinylether	0.031	U	135-98-8	sec-Butylbenzene	0.0061	0.025
591-78-6	2-Hexanone	0.031	U	100-42-5	Styrene	0.031	U
99-87-6	4-Isopropyltoluene	0.0061	0.0073	75-65-0	t-Butyl Alcohol	0.15	U
108-10-1	4-Methyl-2-Pentanone	0.031	U	98-06-6	t-Butylbenzene	0.0061	U
67-64-1	Acetone	0.15	U	127-18-4	Tetrachloroethene	0.031	U
107-02-8	Acrolein	0.15	U	108-88-3	Toluene	0.0061	0.0069
107-13-1	Acrylonitrile	0.031	U	156-60-5	trans-1,2-Dichloroethene	0.031	U
71-43-2	Benzene	0.0061	U	10061-02-6	trans-1,3-Dichloropropene	0.031	U
75-27-4	Bromodichloromethane	0.031	U	79-01-6	Trichloroethene	0.031	U
75-25-2	Bromoform	0.031	U	75-69-4	Trichlorofluoromethane	0.031	U
74-83-9	Bromomethane	0.031	U	75-01-4	Vinyl Chloride	0.031	U
75-15-0	Carbon Disulfide	0.031	U	1330-20-7	Xylenes (Total)	0.0061	0.015

Worksheet #: 151241

Total Target Concentration 0.079

ColumnID: (^) Indicates results from 2nd column

*U - Indicates the compound was analyzed but not detected.**B - Indicates the analyte was found in the blank as well as in the sample.**E - Indicates the analyte concentration exceeds the calibration range of the instrument.**R - Retention Time Out**J - Indicates an estimated value when a compound is detected at less than the specified detection limit.**d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.*

Form1eORGANICS VOLATILE REPORT
Tentatively Identified Compounds

Sample Number: AC51387-002(5X)	Matrix: Soil
Client Id: PI-01-TP-RAU5043010	Initial Vol: 0.98g
Data File: 1M57126.D	Final Vol: NA
Analysis Date: 05/10/10 15:40	Dilution: 5.10
Date Rec/Extracted: 05/03/10-NA	Solids: 83
	Method: EPA 8260B

Units: mg/Kg

	Cas #	Compound	RT	Conc
1		unknown	6.94	1.1 J
2	50746-53-7	Cyclopentane, 1-methyl-2-(2-propenyl)-,	7.76	1.4 J
3	91-17-8	Naphthalene, decahydro-	8.10	1.4 J
4	535-77-3	Benzene, 1-methyl-3-(1-methylethyl)-	8.28	1.3 J
5	767-58-8	1H-Indene, 2,3-dihydro-1-methyl-	8.38	1.4 J
6	2958-76-1	2-METHYLDECALIN (PROBABLY TRA	8.51	0.95 J
7		unknown	8.86	1.5 J
8	17057-82-8	1H-Indene, 2,3-dihydro-1,2-dimethyl-	9.08	1.0 J
9	4175-53-5	1H-Indene, 2,3-dihydro-1,3-dimethyl-	9.18	1.3 J
10		unknown	9.39	1.0 J

Worksheet #: 151241

Total Tentatively Identified Concentration 12*A - Indicates an aldol condensate.**J - Indicates an estimated value.**B - Indicates the analyte was found in the blank as well as in the sample.**Y - Indicates the analyte was found in the blank at <10% of the concentration of the sample.**<10% - Indicates the analyte was found in the blank at < 10% of nearest Internal Standard*

Form1
ORGANICS VOLATILE REPORT

Sample Number: AC51387-003
Client Id: PI-01-TP-RAU6043010SS0
Data File: 1M57058.D
Analysis Date: 05/07/10 10:51
Date Rec/Extracted: 05/03/10-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Soil
Initial Vol: 5.04g
Final Vol: NA
Dilution: 0.992
Solids: 82

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.0060	U	56-23-5	Carbon Tetrachloride	0.0060	U
79-34-5	1,1,2,2-Tetrachloroethane	0.0060	U	108-90-7	Chlorobenzene	0.0060	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0060	U	75-00-3	Chloroethane	0.0060	U
79-00-5	1,1,2-Trichloroethane	0.0060	U	67-66-3	Chloroform	0.0060	U
75-34-3	1,1-Dichloroethane	0.0060	U	74-87-3	Chloromethane	0.0060	U
75-35-4	1,1-Dichloroethene	0.0060	U	156-59-2	cis-1,2-Dichloroethene	0.0060	U
96-18-4	1,2,3-Trichloropropane	0.0060	U	10061-01-5	cis-1,3-Dichloropropene	0.0060	U
95-63-6	1,2,4-Trimethylbenzene	0.0012	U	124-48-1	Dibromochloromethane	0.0060	U
95-50-1	1,2-Dichlorobenzene	0.0060	U	75-71-8	Dichlorodifluoromethane	0.0060	U
107-06-2	1,2-Dichloroethane	0.0060	U	100-41-4	Ethylbenzene	0.0012	U
78-87-5	1,2-Dichloropropane	0.0060	U	98-82-8	Isopropylbenzene	0.0012	U
108-67-8	1,3,5-Trimethylbenzene	0.0012	U	136777612	m&p-Xylenes	0.0012	U
541-73-1	1,3-Dichlorobenzene	0.0060	U	75-09-2	Methylene Chloride	0.0060	U
142-28-9	1,3-Dichloropropane	0.0060	U	1634-04-4	Methyl-t-butyl ether	0.0012	U
106-46-7	1,4-Dichlorobenzene	0.0060	U	104-51-8	n-Butylbenzene	0.0012	U
123-91-1	1,4-Dioxane	0.30	U	103-65-1	n-Propylbenzene	0.0012	U
78-93-3	2-Butanone	0.0060	U	95-47-6	o-Xylene	0.0012	U
110-75-8	2-Chloroethylvinylether	0.0060	U	135-98-8	sec-Butylbenzene	0.0012	U
591-78-6	2-Hexanone	0.0060	U	100-42-5	Styrene	0.0060	U
99-87-6	4-Isopropyltoluene	0.0012	U	75-65-0	t-Butyl Alcohol	0.030	U
108-10-1	4-Methyl-2-Pentanone	0.0060	U	98-06-6	t-Butylbenzene	0.0012	U
67-64-1	Acetone	0.030	U	127-18-4	Tetrachloroethene	0.0060	U
107-02-8	Acrolein	0.030	U	108-88-3	Toluene	0.0012	U
107-13-1	Acrylonitrile	0.0060	U	156-60-5	trans-1,2-Dichloroethene	0.0060	U
71-43-2	Benzene	0.0012	U	10061-02-6	trans-1,3-Dichloropropene	0.0060	U
75-27-4	Bromodichloromethane	0.0060	U	79-01-6	Trichloroethene	0.0060	U
75-25-2	Bromoform	0.0060	U	75-69-4	Trichlorofluoromethane	0.0060	U
74-83-9	Bromomethane	0.0060	U	75-01-4	Vinyl Chloride	0.0060	U
75-15-0	Carbon Disulfide	0.0060	U	1330-20-7	Xylenes (Total)	0.0012	U

Worksheet #: 151241

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.

R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.

Form1eORGANICS VOLATILE REPORT
Tentatively Identified Compounds

Sample Number: AC51387-003	Matrix: Soil
Client Id: PI-01-TP-RAU6043010	Initial Vol: 5.04g
Data File: 1M57058.D	Final Vol: NA
Analysis Date: 05/07/10 10:51	Dilution: 0.992
Date Rec/Extracted: 05/03/10-NA	Solids: 82
	Method: EPA 8260B

Units: mg/Kg

Cas #	Compound	RT	Conc
1	No Unknown Compounds Detected	0.00	0 J

Worksheet #: 151241

Total Tentatively Identified Concentration 0*A - Indicates an aldol condensate.**J - Indicates an estimated value.**B - Indicates the analyte was found in the blank as well as in the sample.**Y - Indicates the analyte was found in the blank at <10% of the concentration of the sample.**<10% - Indicates the analyte was found in the blank at < 10% of nearest Internal Standard*

Form1

ORGANICS VOLATILE REPORT

Sample Number: AC51387-004
 Client Id: PI-01-TP-RAT1043010SS0
 Data File: 1M57068.D
 Analysis Date: 05/07/10 13:35
 Date Rec/Extracted: 05/03/10-NA
 Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
 Matrix: Soil
 Initial Vol: 5.1g
 Final Vol: NA
 Dilution: 0.980
 Solids: 84

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.0058	U	56-23-5	Carbon Tetrachloride	0.0058	U
79-34-5	1,1,2,2-Tetrachloroethane	0.0058	U	108-90-7	Chlorobenzene	0.0058	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0058	U	75-00-3	Chloroethane	0.0058	U
79-00-5	1,1,2-Trichloroethane	0.0058	U	67-66-3	Chloroform	0.0058	U
75-34-3	1,1-Dichloroethane	0.0058	U	74-87-3	Chloromethane	0.0058	U
75-35-4	1,1-Dichloroethene	0.0058	U	156-59-2	cis-1,2-Dichloroethene	0.0058	U
96-18-4	1,2,3-Trichloropropane	0.0058	U	10061-01-5	cis-1,3-Dichloropropene	0.0058	U
95-63-6	1,2,4-Trimethylbenzene	0.0012	0.11	124-48-1	Dibromochloromethane	0.0058	U
95-50-1	1,2-Dichlorobenzene	0.0058	U	75-71-8	Dichlorodifluoromethane	0.0058	U
107-06-2	1,2-Dichloroethane	0.0058	U	100-41-4	Ethylbenzene	0.0012	0.0054
78-87-5	1,2-Dichloropropane	0.0058	U	98-82-8	Isopropylbenzene	0.0012	0.029
108-67-8	1,3,5-Trimethylbenzene	0.0012	0.048	136777612	m&p-Xylenes	0.0012	0.022
541-73-1	1,3-Dichlorobenzene	0.0058	U	75-09-2	Methylene Chloride	0.0058	U
142-28-9	1,3-Dichloropropane	0.0058	U	1634-04-4	Methyl-t-butyl ether	0.0012	U
106-46-7	1,4-Dichlorobenzene	0.0058	U	104-51-8	n-Butylbenzene	0.0012	0.059
123-91-1	1,4-Dioxane	0.29	U	103-65-1	n-Propylbenzene	0.0012	0.028
78-93-3	2-Butanone	0.0058	U	95-47-6	o-Xylene	0.0012	0.034
110-75-8	2-Chloroethylvinylether	0.0058	U	135-98-8	sec-Butylbenzene	0.0012	0.024
591-78-6	2-Hexanone	0.0058	U	100-42-5	Styrene	0.0058	U
99-87-6	4-Isopropyltoluene	0.0012	0.030	75-65-0	t-Butyl Alcohol	0.029	U
108-10-1	4-Methyl-2-Pentanone	0.0058	U	98-06-6	t-Butylbenzene	0.0012	U
67-64-1	Acetone	0.029	U	127-18-4	Tetrachloroethene	0.0058	U
107-02-8	Acrolein	0.029	U	108-88-3	Toluene	0.0012	0.0055
107-13-1	Acrylonitrile	0.0058	U	156-60-5	trans-1,2-Dichloroethene	0.0058	U
71-43-2	Benzene	0.0012	U	10061-02-6	trans-1,3-Dichloropropene	0.0058	U
75-27-4	Bromodichloromethane	0.0058	U	79-01-6	Trichloroethene	0.0058	U
75-25-2	Bromoform	0.0058	U	75-69-4	Trichlorofluoromethane	0.0058	U
74-83-9	Bromomethane	0.0058	U	75-01-4	Vinyl Chloride	0.0058	U
75-15-0	Carbon Disulfide	0.0058	U	1330-20-7	Xylenes (Total)	0.0012	0.056

Worksheet #: 151241

Total Target Concentration 0.39

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.

B - Indicates the analyte was found in the blank as well as in the sample.

E - Indicates the analyte concentration exceeds the calibration range of the instrument.

R - Retention Time Out

J - Indicates an estimated value when a compound is detected at less than the specified detection limit.

d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.

Form1eORGANICS VOLATILE REPORT
Tentatively Identified Compounds

Sample Number: AC51387-004	Matrix: Soil
Client Id: PI-01-TP-RAT1043010	Initial Vol: 5.1g
Data File: 1M57068.D	Final Vol: NA
Analysis Date: 05/07/10 13:35	Dilution: 0.980
Date Rec/Extracted: 05/03/10-NA	Solids: 84
	Method: EPA 8260B

Units: mg/Kg

	Cas #	Compound	RT	Conc
1		unknown	6.96	0.48 J
2	15869-89-3	Octane, 2,5-dimethyl-	7.09	0.46 J
3	2425-54-9	Tetradecane, 1-chloro-	7.36	0.40 J
4	2847-72-5	Decane, 4-methyl-	7.55	0.39 J
5		unknown	7.80	0.66 J
6	493-02-7	Naphthalene, decahydro-, trans-	8.12	0.29 J
7	535-77-3	Benzene, 1-methyl-3-(1-methylethyl)-	8.31	0.32 J
8	767-58-8	1H-Indene, 2,3-dihydro-1-methyl-	8.41	0.35 J
9		unknown	8.52	0.43 J
10	17301-22-3	Undecane, 2,5-dimethyl-	8.89	0.46 J

Worksheet #: 151241

Total Tentatively Identified Concentration 4.2*A - Indicates an aldol condensate.**J - Indicates an estimated value.**B - Indicates the analyte was found in the blank as well as in the sample.**Y - Indicates the analyte was found in the blank at <10% of the concentration of the sample.**<10% - Indicates the analyte was found in the blank at < 10% of nearest Internal Standard*

Form1

ORGANICS VOLATILE REPORT

Sample Number: AC51387-005(5X)

Client Id: PI-01-TP-RAU4DUP42910

Data File: 1M57019.D

Analysis Date: 05/06/10 12:52

Date Rec/Extracted: 05/03/10-NA

Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B

Matrix: Soil

Initial Vol: 1.03g

Final Vol: NA

Dilution: 4.85

Solids: 36

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.067	U	56-23-5	Carbon Tetrachloride	0.067	U
79-34-5	1,1,2,2-Tetrachloroethane	0.067	U	108-90-7	Chlorobenzene	0.067	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.067	U	75-00-3	Chloroethane	0.067	U
79-00-5	1,1,2-Trichloroethane	0.067	U	67-66-3	Chloroform	0.067	U
75-34-3	1,1-Dichloroethane	0.067	U	74-87-3	Chloromethane	0.067	U
75-35-4	1,1-Dichloroethene	0.067	U	156-59-2	cis-1,2-Dichloroethene	0.067	U
96-18-4	1,2,3-Trichloropropane	0.067	U	10061-01-5	cis-1,3-Dichloropropene	0.067	U
95-63-6	1,2,4-Trimethylbenzene	0.013	0.17	124-48-1	Dibromochloromethane	0.067	U
95-50-1	1,2-Dichlorobenzene	0.067	U	75-71-8	Dichlorodifluoromethane	0.067	U
107-06-2	1,2-Dichloroethane	0.067	U	100-41-4	Ethylbenzene	0.013	0.033
78-87-5	1,2-Dichloropropane	0.067	U	98-82-8	Isopropylbenzene	0.013	0.041
108-67-8	1,3,5-Trimethylbenzene	0.013	0.14	136777612	m&p-Xylenes	0.013	0.034
541-73-1	1,3-Dichlorobenzene	0.067	U	75-09-2	Methylene Chloride	0.067	U
142-28-9	1,3-Dichloropropane	0.067	U	1634-04-4	Methyl-t-butyl ether	0.013	U
106-46-7	1,4-Dichlorobenzene	0.067	U	104-51-8	n-Butylbenzene	0.013	0.27
123-91-1	1,4-Dioxane	3.4	U	103-65-1	n-Propylbenzene	0.013	0.081
78-93-3	2-Butanone	0.067	U	95-47-6	o-Xylene	0.013	0.064
110-75-8	2-Chloroethylvinylether	0.067	U	135-98-8	sec-Butylbenzene	0.013	U
591-78-6	2-Hexanone	0.067	U	100-42-5	Styrene	0.067	U
99-87-6	4-Isopropyltoluene	0.013	0.87	75-65-0	t-Butyl Alcohol	0.34	U
108-10-1	4-Methyl-2-Pentanone	0.067	U	98-06-6	t-Butylbenzene	0.013	U
67-64-1	Acetone	0.34	2.0	127-18-4	Tetrachloroethene	0.067	U
107-02-8	Acrolein	0.34	U	108-88-3	Toluene	0.013	0.016
107-13-1	Acrylonitrile	0.067	U	156-60-5	trans-1,2-Dichloroethene	0.067	U
71-43-2	Benzene	0.013	U	10061-02-6	trans-1,3-Dichloropropene	0.067	U
75-27-4	Bromodichloromethane	0.067	U	79-01-6	Trichloroethene	0.067	U
75-25-2	Bromoform	0.067	U	75-69-4	Trichlorofluoromethane	0.067	U
74-83-9	Bromomethane	0.067	U	75-01-4	Vinyl Chloride	0.067	U
75-15-0	Carbon Disulfide	0.067	U	1330-20-7	Xylenes (Total)	0.013	0.098

Worksheet #: 151241

Total Target Concentration 3.7

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.

B - Indicates the analyte was found in the blank as well as in the sample.

E - Indicates the analyte concentration exceeds the calibration range of the instrument.

R - Retention Time Out

J - Indicates an estimated value when a compound is detected at less than the specified detection limit.

d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.

Form1eORGANICS VOLATILE REPORT
Tentatively Identified Compounds

Sample Number: AC51387-005(5X)	Matrix: Soil
Client Id: PI-01-TP-RAU4DUP429	Initial Vol: 1.03g
Data File: 1M57019.D	Final Vol: NA
Analysis Date: 05/06/10 12:52	Dilution: 4.85
Date Rec/Extracted: 05/03/10-NA	Solids: 36
	Method: EPA 8260B

Units: mg/Kg

	Cas #	Compound	RT	Conc
1	620-14-4	Benzene, 1-ethyl-3-methyl-	7.37	0.38 J
2	611-14-3	Benzene, 1-ethyl-2-methyl-	7.54	0.24 J
3	95-63-6	Benzene, 1,2,4-trimethyl-	7.91	0.40 J
4		unknown	8.06	0.64 J
5	1758-88-9	Benzene, 2-ethyl-1,4-dimethyl-	8.31	0.25 J
6	767-58-8	1H-Indene, 2,3-dihydro-1-methyl-	8.42	0.41 J
7	538-68-1	Benzene, pentyl-	8.80	0.74 J
8	824-22-6	1H-Indene, 2,3-dihydro-4-methyl-	8.91	1.2 J
9	17057-82-8	1H-Indene, 2,3-dihydro-1,2-dimethyl-	9.11	0.34 J
10	17059-48-2	1H-Indene, 2,3-dihydro-1,6-dimethyl-	9.21	0.44 J

Worksheet #: 151241

Total Tentatively Identified Concentration 5*A - Indicates an aldol condensate.**J - Indicates an estimated value.**B - Indicates the analyte was found in the blank as well as in the sample.**Y - Indicates the analyte was found in the blank at <10% of the concentration of the sample.**<10% - Indicates the analyte was found in the blank at < 10% of nearest Internal Standard*

Form1

ORGANICS VOLATILE REPORT

Sample Number: AC51387-006(5X)

Client Id: PI-01-TP-RAU5DUP42910

Data File: 1M57125.D

Analysis Date: 05/10/10 15:24

Date Rec/Extracted: 05/03/10-NA

Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B

Matrix: Soil

Initial Vol: 0.99g

Final Vol: NA

Dilution: 5.05

Solids: 84

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.030	U	56-23-5	Carbon Tetrachloride	0.030	U
79-34-5	1,1,2,2-Tetrachloroethane	0.030	U	108-90-7	Chlorobenzene	0.030	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.030	U	75-00-3	Chloroethane	0.030	U
79-00-5	1,1,2-Trichloroethane	0.030	U	67-66-3	Chloroform	0.030	U
75-34-3	1,1-Dichloroethane	0.030	U	74-87-3	Chloromethane	0.030	U
75-35-4	1,1-Dichloroethene	0.030	U	156-59-2	cis-1,2-Dichloroethene	0.030	U
96-18-4	1,2,3-Trichloropropane	0.030	U	10061-01-5	cis-1,3-Dichloropropene	0.030	U
95-63-6	1,2,4-Trimethylbenzene	0.0060	U	124-48-1	Dibromochloromethane	0.030	U
95-50-1	1,2-Dichlorobenzene	0.030	U	75-71-8	Dichlorodifluoromethane	0.030	U
107-06-2	1,2-Dichloroethane	0.030	U	100-41-4	Ethylbenzene	0.0060	U
78-87-5	1,2-Dichloropropane	0.030	U	98-82-8	Isopropylbenzene	0.0060	0.036
108-67-8	1,3,5-Trimethylbenzene	0.0060	U	136777612	m&p-Xylenes	0.0060	0.013
541-73-1	1,3-Dichlorobenzene	0.030	U	75-09-2	Methylene Chloride	0.030	U
142-28-9	1,3-Dichloropropane	0.030	U	1634-04-4	Methyl-t-butyl ether	0.0060	U
106-46-7	1,4-Dichlorobenzene	0.030	U	104-51-8	n-Butylbenzene	0.0060	U
123-91-1	1,4-Dioxane	1.5	U	103-65-1	n-Propylbenzene	0.0060	U
78-93-3	2-Butanone	0.030	U	95-47-6	o-Xylene	0.0060	0.018
110-75-8	2-Chloroethylvinylether	0.030	U	135-98-8	sec-Butylbenzene	0.0060	0.045
591-78-6	2-Hexanone	0.030	U	100-42-5	Styrene	0.030	U
99-87-6	4-Isopropyltoluene	0.0060	U	75-65-0	t-Butyl Alcohol	0.15	U
108-10-1	4-Methyl-2-Pentanone	0.030	U	98-06-6	t-Butylbenzene	0.0060	U
67-64-1	Acetone	0.15	U	127-18-4	Tetrachloroethene	0.030	U
107-02-8	Acrolein	0.15	U	108-88-3	Toluene	0.0060	0.015
107-13-1	Acrylonitrile	0.030	U	156-60-5	trans-1,2-Dichloroethene	0.030	U
71-43-2	Benzene	0.0060	U	10061-02-6	trans-1,3-Dichloropropene	0.030	U
75-27-4	Bromodichloromethane	0.030	U	79-01-6	Trichloroethene	0.030	U
75-25-2	Bromoform	0.030	U	75-69-4	Trichlorofluoromethane	0.030	U
74-83-9	Bromomethane	0.030	U	75-01-4	Vinyl Chloride	0.030	U
75-15-0	Carbon Disulfide	0.030	U	1330-20-7	Xylenes (Total)	0.0060	0.031

Worksheet #: 151241

Total Target Concentration 0.13

ColumnID: (^) Indicates results from 2nd column

*U - Indicates the compound was analyzed but not detected.**B - Indicates the analyte was found in the blank as well as in the sample.**E - Indicates the analyte concentration exceeds the calibration range of the instrument.**R - Retention Time Out**J - Indicates an estimated value when a compound is detected at less than the specified detection limit.**d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.*

Form1eORGANICS VOLATILE REPORT
Tentatively Identified Compounds

Sample Number: AC51387-006(5X)	Matrix: Soil
Client Id: PI-01-TP-RAU5DUP429	Initial Vol: 0.99g
Data File: 1M57125.D	Final Vol: NA
Analysis Date: 05/10/10 15:24	Dilution: 5.05
Date Rec/Extracted: 05/03/10-NA	Solids: 84
	Method: EPA 8260B

Units: mg/Kg

	Cas #	Compound	RT	Conc
1		unknown	6.94	1.6 J
2	17301-94-9	Nonane, 4-methyl-	7.06	1.2 J
3	696-29-7	Cyclohexane, (1-methylethyl)-	7.76	2.5 J
4	91-17-8	Naphthalene, decahydro-	8.10	1.7 J
5	934-80-5	Benzene, 4-ethyl-1,2-dimethyl-	8.28	1.5 J
6	767-58-8	1H-Indene, 2,3-dihydro-1-methyl-	8.38	1.7 J
7		unknown	8.51	1.3 J
8	17301-23-4	Undecane, 2,6-dimethyl-	8.86	1.7 J
9	17057-82-8	1H-Indene, 2,3-dihydro-1,2-dimethyl-	9.08	1.2 J
10	4175-53-5	1H-Indene, 2,3-dihydro-1,3-dimethyl-	9.18	1.5 J

Worksheet #: 151241

Total Tentatively Identified Concentration 16*A - Indicates an aldol condensate.**J - Indicates an estimated value.**B - Indicates the analyte was found in the blank as well as in the sample.**Y - Indicates the analyte was found in the blank at <10% of the concentration of the sample.**<10% - Indicates the analyte was found in the blank at < 10% of nearest Internal Standard*

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AC51387-001

Client Id: PI-01-TP-RAU4042910SS0

Data File: 5M57772.D

Analysis Date: 05/12/10 11:56

Date Rec/Extracted: 05/03/10-05/11/10

Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270C

Matrix: Soil

Initial Vol: 30g

Final Vol: 1ml

Dilution: 1

Solids: 36

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
120-82-1	1,2,4-Trichlorobenzene	0.19	U	191-24-2	Benzo[g,h,i]perylene	0.19	0.68
122-66-7	1,2-Diphenylhydrazine	0.19	U	207-08-9	Benzo[k]fluoranthene	0.19	0.28
95-95-4	2,4,5-Trichlorophenol	0.19	U	65-85-0	Benzoic Acid	0.93	U
88-06-2	2,4,6-Trichlorophenol	0.19	U	111-91-1	bis(2-Chloroethoxy)methan	0.19	U
120-83-2	2,4-Dichlorophenol	0.19	U	111-44-4	bis(2-Chloroethyl)ether	0.19	U
105-67-9	2,4-Dimethylphenol	0.19	U	108-60-1	bis(2-chloroisopropyl)ether	0.19	U
51-28-5	2,4-Dinitrophenol	0.93	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.19	U
121-14-2	2,4-Dinitrotoluene	0.19	U	85-68-7	Butylbenzylphthalate	0.19	U
606-20-2	2,6-Dinitrotoluene	0.19	U	86-74-8	Carbazole	0.19	0.38
91-58-7	2-Chloronaphthalene	0.19	U	218-01-9	Chrysene	0.19	1.3
95-57-8	2-Chlorophenol	0.19	U	53-70-3	Dibenzo[a,h]anthracene	0.19	U
91-57-6	2-Methylnaphthalene	0.19	2.6	132-64-9	Dibenzofuran	0.19	0.41
95-48-7	2-Methylphenol	0.19	U	84-66-2	Diethylphthalate	0.19	U
88-74-4	2-Nitroaniline	0.19	U	131-11-3	Dimethylphthalate	0.19	U
88-75-5	2-Nitrophenol	0.19	U	84-74-2	Di-n-butylphthalate	0.19	U
106-44-5	3&4-Methylphenol	0.19	U	117-84-0	Di-n-octylphthalate	0.19	U
91-94-1	3,3'-Dichlorobenzidine	0.19	U	206-44-0	Fluoranthene	0.19	2.7
99-09-2	3-Nitroaniline	0.19	U	86-73-7	Fluorene	0.19	0.96
534-52-1	4,6-Dinitro-2-methylphenol	0.93	U	118-74-1	Hexachlorobenzene	0.19	U
101-55-3	4-Bromophenyl-phenylether	0.19	U	87-68-3	Hexachlorobutadiene	0.19	U
59-50-7	4-Chloro-3-methylphenol	0.19	U	77-47-4	Hexachlorocyclopentadiene	0.93	U
106-47-8	4-Chloroaniline	0.19	U	67-72-1	Hexachloroethane	0.19	U
7005-72-3	4-Chlorophenyl-phenylether	0.19	U	193-39-5	Indeno[1,2,3-cd]pyrene	0.19	0.51
100-01-6	4-Nitroaniline	0.19	U	78-59-1	Isophorone	0.19	U
100-02-7	4-Nitrophenol	0.19	U	91-20-3	Naphthalene	0.19	3.6
83-32-9	Acenaphthene	0.19	0.70	98-95-3	Nitrobenzene	0.19	U
208-96-8	Acenaphthylene	0.19	U	62-75-9	N-Nitrosodimethylamine	0.19	U
62-53-3	Aniline	0.19	U	621-64-7	N-Nitroso-di-n-propylamine	0.19	U
120-12-7	Anthracene	0.19	0.86	86-30-6	n-Nitrosodiphenylamine	0.19	U
92-87-5	Benzidine	0.93	U	87-86-5	Pentachlorophenol	0.93	U
56-55-3	Benzo[a]anthracene	0.19	1.1	85-01-8	Phenanthrene	0.19	6.3
50-32-8	Benzo[a]pyrene	0.19	0.56	108-95-2	Phenol	0.19	U
205-99-2	Benzo[b]fluoranthene	0.19	0.92	129-00-0	Pyrene	0.19	3.3

Worksheet #: 151474

Total Target Concentration 27

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.

B - Indicates the analyte was found in the blank as well as in the sample.

E - Indicates the analyte concentration exceeds the calibration range of the instrument.

R - Retention Time Out

J - Indicates an estimated value when a compound is detected at less than the specified detection limit.

d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.

Form1eORGANICS SEMIVOLATILE REPORT
Tentatively Identified Compounds

Sample Number: AC51387-001	Matrix: Soil
Client Id: PI-01-TP-RAU4042910	Initial Vol: 30g
Data File: 5M57772.D	Final Vol: 1ml
Analysis Date: 05/12/10 11:56	Dilution: 1
Date Rec/Extracted: 05/03/10-05/11/10	Solids: 36
	Method: EPA 8270C

Units: mg/Kg

	Cas #	Compound	RT	Conc
1	123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.49	450 JAY
2	123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.51	39 JAB
3		unknown	9.84	37 J
4	629-92-5	Nonadecane	11.76	25 J
5	112-95-8	Eicosane	12.51	20 J
6		unknown	13.12	33 J
7		unknown	13.17	20 J
8	629-99-2	Pentacosane	13.24	22 J
9		unknown	13.79	29 J
10		unknown	13.83	19 J
11		unknown	13.99	33 J
12		unknown	14.11	29 J
13		unknown	14.71	76 J
14	10064-26-3	Phenanthrene, 1,2,3,4,4a,9,10,10a-octa	14.87	100 J
15		unknown	14.90	66 J
16	6538-02-9	Epiergostanol	14.95	26 J
17	127-22-0	Alnulin	15.05	140 J
18	6831-17-0	Aristolone	15.09	20 J
19	22611-26-3	D:C-Friedoolean-8-en-3-one	15.16	34 J
20		unknown	15.35	29 J

Worksheet #: 151474

Total Tentatively Identified Concentration 1200**A - Indicates an aldol condensate.****J - Indicates an estimated value.****B - Indicates the analyte was found in the blank as well as in the sample.****Y - Indicates the analyte was found in the blank at <10% of the concentration of the sample.****<10% - Indicates the analyte was found in the blank at < 10% of nearest Internal Standard**

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AC51387-002(20X)

Client Id: PI-01-TP-RAU5043010SS0

Data File: 5M57797.D

Analysis Date: 05/13/10 00:01

Date Rec/Extracted: 05/03/10-05/11/10

Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270C

Matrix: Soil

Initial Vol: 30g

Final Vol: 1.5ml

Dilution: 20

Solids: 83

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
120-82-1	1,2,4-Trichlorobenzene	2.4	U	191-24-2	Benzo[g,h,i]perylene	2.4	3.5
122-66-7	1,2-Diphenylhydrazine	2.4	U	207-08-9	Benzo[k]fluoranthene	2.4	U
95-95-4	2,4,5-Trichlorophenol	2.4	U	65-85-0	Benzoic Acid	12	U
88-06-2	2,4,6-Trichlorophenol	2.4	U	111-91-1	bis(2-Chloroethoxy)methan	2.4	U
120-83-2	2,4-Dichlorophenol	2.4	U	111-44-4	bis(2-Chloroethyl)ether	2.4	U
105-67-9	2,4-Dimethylphenol	2.4	U	108-60-1	bis(2-chloroisopropyl)ether	2.4	U
51-28-5	2,4-Dinitrophenol	12	U	117-81-7	bis(2-Ethylhexyl)phthalate	2.4	U
121-14-2	2,4-Dinitrotoluene	2.4	U	85-68-7	Butylbenzylphthalate	2.4	U
606-20-2	2,6-Dinitrotoluene	2.4	U	86-74-8	Carbazole	2.4	U
91-58-7	2-Chloronaphthalene	2.4	U	218-01-9	Chrysene	2.4	11
95-57-8	2-Chlorophenol	2.4	U	53-70-3	Dibenzo[a,h]anthracene	2.4	U
91-57-6	2-Methylnaphthalene	2.4	11	132-64-9	Dibenzofuran	2.4	U
95-48-7	2-Methylphenol	2.4	U	84-66-2	Diethylphthalate	2.4	U
88-74-4	2-Nitroaniline	2.4	U	131-11-3	Dimethylphthalate	2.4	U
88-75-5	2-Nitrophenol	2.4	U	84-74-2	Di-n-butylphthalate	2.4	U
106-44-5	3&4-Methylphenol	2.4	U	117-84-0	Di-n-octylphthalate	2.4	U
91-94-1	3,3'-Dichlorobenzidine	2.4	U	206-44-0	Fluoranthene	2.4	7.4
99-09-2	3-Nitroaniline	2.4	U	86-73-7	Fluorene	2.4	4.1
534-52-1	4,6-Dinitro-2-methylphenol	12	U	118-74-1	Hexachlorobenzene	2.4	U
101-55-3	4-Bromophenyl-phenylether	2.4	U	87-68-3	Hexachlorobutadiene	2.4	U
59-50-7	4-Chloro-3-methylphenol	2.4	U	77-47-4	Hexachlorocyclopentadiene	12	U
106-47-8	4-Chloroaniline	2.4	U	67-72-1	Hexachloroethane	2.4	U
7005-72-3	4-Chlorophenyl-phenylether	2.4	U	193-39-5	Indeno[1,2,3-cd]pyrene	2.4	U
100-01-6	4-Nitroaniline	2.4	U	78-59-1	Isophorone	2.4	U
100-02-7	4-Nitrophenol	2.4	U	91-20-3	Naphthalene	2.4	2.7
83-32-9	Acenaphthene	2.4	5.3	98-95-3	Nitrobenzene	2.4	U
208-96-8	Acenaphthylene	2.4	U	62-75-9	N-Nitrosodimethylamine	2.4	U
62-53-3	Aniline	2.4	U	621-64-7	N-Nitroso-di-n-propylamine	2.4	U
120-12-7	Anthracene	2.4	7.5	86-30-6	n-Nitrosodiphenylamine	2.4	U
92-87-5	Benzidine	12	U	87-86-5	Pentachlorophenol	12	U
56-55-3	Benzo[a]anthracene	2.4	7.9	85-01-8	Phenanthrene	2.4	24
50-32-8	Benzo[a]pyrene	2.4	4.4	108-95-2	Phenol	2.4	U
205-99-2	Benzo[b]fluoranthene	2.4	3.4	129-00-0	Pyrene	2.4	28

Worksheet #: 151474

Total Target Concentration 120

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.

B - Indicates the analyte was found in the blank as well as in the sample.

E - Indicates the analyte concentration exceeds the calibration range of the instrument.

R - Retention Time Out

J - Indicates an estimated value when a compound is detected at less than the specified detection limit.

d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.

Form1eORGANICS SEMIVOLATILE REPORT
Tentatively Identified Compounds

Sample Number: AC51387-002(20X)
 Client Id: PI-01-TP-RAU5043010
 Data File: 5M57797.D
 Analysis Date: 05/13/10 00:01
 Date Rec/Extracted: 05/03/10-05/11/10

Matrix: Soil
 Initial Vol: 30g
 Final Vol: 1.5ml
 Dilution: 20
 Solids: 83
 Method: EPA 8270C

Units: mg/Kg

	Cas #	Compound	RT	Conc	
1	123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.24	220 JAB	~~12~~ 5.13.10
2	90-12-0	Naphthalene, 1-methyl-	6.68	31 J	
3	582-16-1	Naphthalene, 2,7-dimethyl-	7.07	37 J	
4	571-61-9	Naphthalene, 1,5-dimethyl-	7.13	46 J	
5	2131-42-2	Naphthalene, 1,4,6-trimethyl-	7.49	36 J	
6	2131-42-2	Naphthalene, 1,4,6-trimethyl-	7.57	34 J	
7	2131-41-1	Naphthalene, 1,4,5-trimethyl-	7.75	26 J	
8	16587-52-3	Dibenzothiophene, 3-methyl-	9.11	27 J	
9	613-12-7	Anthracene, 2-methyl-	9.30	47 J	
10	613-12-7	Anthracene, 2-methyl-	9.33	39 J	
11	832-64-4	Phenanthrene, 4-methyl-	9.41	38 J	
12	779-02-2	Anthracene, 9-methyl-	9.44	28 J	
13	23654-30-0	3,4-Dimethyldibenzothiophene	9.62	27 J	
14	1576-69-8	Phenanthrene, 2,7-dimethyl-	9.79	37 J	
15	38647-26-6	(+)-3,3,7-Trimethyltricyclo[5.4.0.0(2,9	9.83	41 J	
16	3674-66-6	Phenanthrene, 2,5-dimethyl-	9.91	76 J	
17	38647-26-6	(+)-3,3,7-Trimethyltricyclo[5.4.0.0(2,9	9.94	31 J	
18	15096-10-3	Benzene, 1,1'-[(methylthio)ethenylidene]	10.15	25 J	
19	3674-73-5	Phenanthrene, 2,3,5-trimethyl-	10.39	25 J	
20	3674-73-5	Phenanthrene, 2,3,5-trimethyl-	10.43	41 J	

Worksheet #: 151474

Total Tentatively Identified Concentration 910*A - Indicates an aldol condensate.**J - Indicates an estimated value.**B - Indicates the analyte was found in the blank as well as in the sample.**Y - Indicates the analyte was found in the blank at <10% of the concentration of the sample.**<10% - Indicates the analyte was found in the blank at < 10% of nearest Internal Standard*

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AC51387-003

Client Id: PI-01-TP-RAU6043010SS0

Data File: 5M57736.D

Analysis Date: 05/11/10 20:09

Date Rec/Extracted: 05/03/10-05/11/10

Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270C

Matrix: Soil

Initial Vol: 30g

Final Vol: 1ml

Dilution: 1

Solids: 82

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
120-82-1	1,2,4-Trichlorobenzene	0.081	U	191-24-2	Benzo[g,h,i]perylene	0.081	U
122-66-7	1,2-Diphenylhydrazine	0.081	U	207-08-9	Benzo[k]fluoranthene	0.081	U
95-95-4	2,4,5-Trichlorophenol	0.081	U	65-85-0	Benzoic Acid	0.41	U
88-06-2	2,4,6-Trichlorophenol	0.081	U	111-91-1	bis(2-Chloroethoxy)methan	0.081	U
120-83-2	2,4-Dichlorophenol	0.081	U	111-44-4	bis(2-Chloroethyl)ether	0.081	U
105-67-9	2,4-Dimethylphenol	0.081	U	108-60-1	bis(2-chloroisopropyl)ether	0.081	U
51-28-5	2,4-Dinitrophenol	0.41	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.081	U
121-14-2	2,4-Dinitrotoluene	0.081	U	85-68-7	Butylbenzylphthalate	0.081	U
606-20-2	2,6-Dinitrotoluene	0.081	U	86-74-8	Carbazole	0.081	U
91-58-7	2-Chloronaphthalene	0.081	U	218-01-9	Chrysene	0.081	U
95-57-8	2-Chlorophenol	0.081	U	53-70-3	Dibenzo[a,h]anthracene	0.081	U
91-57-6	2-Methylnaphthalene	0.081	U	132-64-9	Dibenzofuran	0.081	U
95-48-7	2-Methylphenol	0.081	U	84-66-2	Diethylphthalate	0.081	U
88-74-4	2-Nitroaniline	0.081	U	131-11-3	Dimethylphthalate	0.081	U
88-75-5	2-Nitrophenol	0.081	U	84-74-2	Di-n-butylphthalate	0.081	U
106-44-5	3&4-Methylphenol	0.081	U	117-84-0	Di-n-octylphthalate	0.081	U
91-94-1	3,3'-Dichlorobenzidine	0.081	U	206-44-0	Fluoranthene	0.081	U
99-09-2	3-Nitroaniline	0.081	U	86-73-7	Fluorene	0.081	U
534-52-1	4,6-Dinitro-2-methylphenol	0.41	U	118-74-1	Hexachlorobenzene	0.081	U
101-55-3	4-Bromophenyl-phenylether	0.081	U	87-68-3	Hexachlorobutadiene	0.081	U
59-50-7	4-Chloro-3-methylphenol	0.081	U	77-47-4	Hexachlorocyclopentadiene	0.41	U
106-47-8	4-Chloroaniline	0.081	U	67-72-1	Hexachloroethane	0.081	U
7005-72-3	4-Chlorophenyl-phenylether	0.081	U	193-39-5	Indeno[1,2,3-cd]pyrene	0.081	U
100-01-6	4-Nitroaniline	0.081	U	78-59-1	Isophorone	0.081	U
100-02-7	4-Nitrophenol	0.081	U	91-20-3	Naphthalene	0.081	U
83-32-9	Acenaphthene	0.081	U	98-95-3	Nitrobenzene	0.081	U
208-96-8	Acenaphthylene	0.081	U	62-75-9	N-Nitrosodimethylamine	0.081	U
62-53-3	Aniline	0.081	U	621-64-7	N-Nitroso-di-n-propylamine	0.081	U
120-12-7	Anthracene	0.081	U	86-30-6	n-Nitrosodiphenylamine	0.081	U
92-87-5	Benidine	0.41	U	87-86-5	Pentachlorophenol	0.41	U
56-55-3	Benzo[a]anthracene	0.081	U	85-01-8	Phenanthrene	0.081	U
50-32-8	Benzo[a]pyrene	0.081	U	108-95-2	Phenol	0.081	U
205-99-2	Benzo[b]fluoranthene	0.081	U	129-00-0	Pyrene	0.081	0.18

Worksheet #: 151474

Total Target Concentration 0.18

ColumnID: (^) Indicates results from 2nd column

*U - Indicates the compound was analyzed but not detected.**B - Indicates the analyte was found in the blank as well as in the sample.**E - Indicates the analyte concentration exceeds the calibration range of the instrument.**R - Retention Time Out**J - Indicates an estimated value when a compound is detected at less than the specified detection limit.**d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.*

Form1eORGANICS SEMIVOLATILE REPORT
Tentatively Identified Compounds

Sample Number: AC51387-003	Matrix: Soil
Client Id: PI-01-TP-RAU6043010	Initial Vol: 30g
Data File: 5M57736.D	Final Vol: 1ml
Analysis Date: 05/11/10 20:09	Dilution: 1
Date Rec/Extracted: 05/03/10-05/11/10	Solids: 82
	Method: EPA 8270C

Units: mg/Kg

	Cas #	Compound	RT	Conc	
14 5.13.10	1	~~1534-08-3~~ 141-79-7	2.48	0.37 J B	
	2	unknown	2.97	0.30 J	14 5.13.10
	3	unknown	3.03	0.77 J B	
	4	123-42-2	3.50	300 JAY	
	5	111-76-2	4.14	0.19 J	
	6	unknown	4.24	1.3 JB	
	7	unknown	7.81	0.25 J	
	8	unknown	9.27	0.19 J	
	9	10544-50-0	9.37	0.18 J	
	10	3674-66-6	9.99	0.21 J	
	11	unknown	11.78	0.17 J	
	12	unknown	12.55	0.17 J	
	13	unknown	14.26	0.20 J	
	14	unknown	14.51	0.52 J	
	15	unknown	15.02	0.53 J	
	16	unknown	15.18	0.30 J	
	17	unknown	15.35	1.4 J	

Worksheet #: 151474

Total Tentatively Identified Concentration 310*A - Indicates an aldol condensate.**J - Indicates an estimated value.**B - Indicates the analyte was found in the blank as well as in the sample.**Y - Indicates the analyte was found in the blank at <10% of the concentration of the sample.**<10% - Indicates the analyte was found in the blank at < 10% of nearest Internal Standard*

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AC51387-004(5X)

Client Id: PI-01-TP-RAT1043010SS0

Data File: 5M57796.D

Analysis Date: 05/12/10 23:39

Date Rec/Extracted: 05/03/10-05/11/10

Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270C

Matrix: Soil

Initial Vol: 30g

Final Vol: 1ml

Dilution: 5

Solids: 84

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
120-82-1	1,2,4-Trichlorobenzene	0.40	U	191-24-2	Benzo[g,h,i]perylene	0.40	2.7
122-66-7	1,2-Diphenylhydrazine	0.40	U	207-08-9	Benzo[k]fluoranthene	0.40	0.88
95-95-4	2,4,5-Trichlorophenol	0.40	U	65-85-0	Benzoic Acid	2.0	U
88-06-2	2,4,6-Trichlorophenol	0.40	U	111-91-1	bis(2-Chloroethoxy)methan	0.40	U
120-83-2	2,4-Dichlorophenol	0.40	U	111-44-4	bis(2-Chloroethyl)ether	0.40	U
105-67-9	2,4-Dimethylphenol	0.40	U	108-60-1	bis(2-chloroisopropyl)ether	0.40	U
51-28-5	2,4-Dinitrophenol	2.0	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.40	U
121-14-2	2,4-Dinitrotoluene	0.40	U	85-68-7	Butylbenzylphthalate	0.40	U
606-20-2	2,6-Dinitrotoluene	0.40	U	86-74-8	Carbazole	0.40	U
91-58-7	2-Chloronaphthalene	0.40	U	218-01-9	Chrysene	0.40	3.5
95-57-8	2-Chlorophenol	0.40	U	53-70-3	Dibenzo[a,h]anthracene	0.40	0.50
91-57-6	2-Methylnaphthalene	0.40	1.5	132-64-9	Dibenzofuran	0.40	U
95-48-7	2-Methylphenol	0.40	U	84-66-2	Diethylphthalate	0.40	U
88-74-4	2-Nitroaniline	0.40	U	131-11-3	Dimethylphthalate	0.40	U
88-75-5	2-Nitrophenol	0.40	U	84-74-2	Di-n-butylphthalate	0.40	U
106-44-5	3&4-Methylphenol	0.40	U	117-84-0	Di-n-octylphthalate	0.40	U
91-94-1	3,3'-Dichlorobenzidine	0.40	U	206-44-0	Fluoranthene	0.40	3.7
99-09-2	3-Nitroaniline	0.40	U	86-73-7	Fluorene	0.40	0.81
534-52-1	4,6-Dinitro-2-methylphenol	2.0	U	118-74-1	Hexachlorobenzene	0.40	U
101-55-3	4-Bromophenyl-phenylether	0.40	U	87-68-3	Hexachlorobutadiene	0.40	U
59-50-7	4-Chloro-3-methylphenol	0.40	U	77-47-4	Hexachlorocyclopentadiene	2.0	U
106-47-8	4-Chloroaniline	0.40	U	67-72-1	Hexachloroethane	0.40	U
7005-72-3	4-Chlorophenyl-phenylether	0.40	U	193-39-5	Indeno[1,2,3-cd]pyrene	0.40	1.6
100-01-6	4-Nitroaniline	0.40	U	78-59-1	Isophorone	0.40	U
100-02-7	4-Nitrophenol	0.40	U	91-20-3	Naphthalene	0.40	0.76
83-32-9	Acenaphthene	0.40	0.75	98-95-3	Nitrobenzene	0.40	U
208-96-8	Acenaphthylene	0.40	U	62-75-9	N-Nitrosodimethylamine	0.40	U
62-53-3	Aniline	0.40	U	621-64-7	N-Nitroso-di-n-propylamine	0.40	U
120-12-7	Anthracene	0.40	1.5	86-30-6	n-Nitrosodiphenylamine	0.40	U
92-87-5	Benzidine	2.0	U	87-86-5	Pentachlorophenol	2.0	U
56-55-3	Benzo[a]anthracene	0.40	3.2	85-01-8	Phenanthrene	0.40	5.2
50-32-8	Benzo[a]pyrene	0.40	2.7	108-95-2	Phenol	0.40	U
205-99-2	Benzo[b]fluoranthene	0.40	2.6	129-00-0	Pyrene	0.40	7.4

Worksheet #: 151474

Total Target Concentration 39

ColumnID: (^) Indicates results from 2nd column

*U - Indicates the compound was analyzed but not detected.**B - Indicates the analyte was found in the blank as well as in the sample.**E - Indicates the analyte concentration exceeds the calibration range of the instrument.**R - Retention Time Out**J - Indicates an estimated value when a compound is detected at less than the specified detection limit.**d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.*

Form1eORGANICS SEMIVOLATILE REPORT
Tentatively Identified Compounds

Sample Number: AC51387-004(5X)	Matrix: Soil
Client Id: PI-01-TP-RAT1043010	Initial Vol: 30g
Data File: 5M57796.D	Final Vol: 1ml
Analysis Date: 05/12/10 23:39	Dilution: 5
Date Rec/Extracted: 05/03/10-05/11/10	Solids: 84
	Method: EPA 8270C

Units: mg/Kg

	Cas #	Compound	RT	Conc	
1	123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.33	260 JA ^B	16.5.13.10
2	582-16-1	Naphthalene, 2,7-dimethyl-	7.07	4.6 J	
3	571-61-9	Naphthalene, 1,5-dimethyl-	7.13	4.8 J	
4	2131-42-2	Naphthalene, 1,4,6-trimethyl-	7.49	4.5 J	
5	2131-42-2	Naphthalene, 1,4,6-trimethyl-	7.57	4.7 J	
6	2131-42-2	Naphthalene, 1,4,6-trimethyl-	7.75	3.6 J	
7	16587-52-3	Dibenzothiophene, 3-methyl-	9.11	3.6 J	
8	613-12-7	Anthracene, 2-methyl-	9.30	5.4 J	
9	613-12-7	Anthracene, 2-methyl-	9.33	4.8 J	
10	832-64-4	Phenanthrene, 4-methyl-	9.41	6.3 J	
11	3674-65-5	Phenanthrene, 2,3-dimethyl-	9.79	7.3 J	
12	1576-69-8	Phenanthrene, 2,7-dimethyl-	9.84	5.1 J	
13	3674-66-6	Phenanthrene, 2,5-dimethyl-	9.92	10 J	
14	781-43-1	Anthracene, 9,10-dimethyl-	9.95	4.6 J	
15	15096-10-3	Benzene, 1,1'-[(methylthio)ethenylidene]	10.15	4.6 J	
16	68289-71-4	7-Nitro-6-methoxy-2,3-dimethylindole	10.39	3.7 J	
17	3674-73-5	Phenanthrene, 2,3,5-trimethyl-	10.43	6.3 J	
18	2381-21-7	Pyrene, 1-methyl-	10.86	4.7 J	
19	3442-78-2	Pyrene, 2-methyl-	10.96	3.5 J	
20	84-15-1	1,1':2',1"-Terphenyl	11.45	3.9 J	

Worksheet #: 151474

Total Tentatively Identified Concentration 360*A - Indicates an aldol condensate.**J - Indicates an estimated value.**B - Indicates the analyte was found in the blank as well as in the sample.**Y - Indicates the analyte was found in the blank at <10% of the concentration of the sample.**<10% - Indicates the analyte was found in the blank at < 10% of nearest Internal Standard*

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AC51387-005

Client Id: PI-01-TP-RAU4DUP42910

Data File: 5M57737.D

Analysis Date: 05/11/10 20:31

Date Rec/Extracted: 05/03/10-05/11/10

Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270C

Matrix: Soil

Initial Vol: 30g

Final Vol: 1ml

Dilution: 1

Solids: 36

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
120-82-1	1,2,4-Trichlorobenzene	0.19	U	191-24-2	Benzo[g,h,i]perylene	0.19	0.65
122-66-7	1,2-Diphenylhydrazine	0.19	U	207-08-9	Benzo[k]fluoranthene	0.19	0.23
95-95-4	2,4,5-Trichlorophenol	0.19	U	65-85-0	Benzoic Acid	0.93	U
88-06-2	2,4,6-Trichlorophenol	0.19	U	111-91-1	bis(2-Chloroethoxy)methan	0.19	U
120-83-2	2,4-Dichlorophenol	0.19	U	111-44-4	bis(2-Chloroethyl)ether	0.19	U
105-67-9	2,4-Dimethylphenol	0.19	U	108-60-1	bis(2-chloroisopropyl)ether	0.19	U
51-28-5	2,4-Dinitrophenol	0.93	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.19	U
121-14-2	2,4-Dinitrotoluene	0.19	U	85-68-7	Butylbenzylphthalate	0.19	U
606-20-2	2,6-Dinitrotoluene	0.19	U	86-74-8	Carbazole	0.19	0.44
91-58-7	2-Chloronaphthalene	0.19	U	218-01-9	Chrysene	0.19	1.4
95-57-8	2-Chlorophenol	0.19	U	53-70-3	Dibenzo[a,h]anthracene	0.19	U
91-57-6	2-Methylnaphthalene	0.19	2.1	132-64-9	Dibenzofuran	0.19	0.54
95-48-7	2-Methylphenol	0.19	U	84-66-2	Diethylphthalate	0.19	U
88-74-4	2-Nitroaniline	0.19	U	131-11-3	Dimethylphthalate	0.19	U
88-75-5	2-Nitrophenol	0.19	U	84-74-2	Di-n-butylphthalate	0.19	U
106-44-5	3&4-Methylphenol	0.19	U	117-84-0	Di-n-octylphthalate	0.19	U
91-94-1	3,3'-Dichlorobenzidine	0.19	U	206-44-0	Fluoranthene	0.19	3.3
99-09-2	3-Nitroaniline	0.19	U	86-73-7	Fluorene	0.19	1.0
534-52-1	4,6-Dinitro-2-methylphenol	0.93	U	118-74-1	Hexachlorobenzene	0.19	U
101-55-3	4-Bromophenyl-phenylether	0.19	U	87-68-3	Hexachlorobutadiene	0.19	U
59-50-7	4-Chloro-3-methylphenol	0.19	U	77-47-4	Hexachlorocyclopentadiene	0.93	U
106-47-8	4-Chloroaniline	0.19	U	67-72-1	Hexachloroethane	0.19	U
7005-72-3	4-Chlorophenyl-phenylether	0.19	U	193-39-5	Indeno[1,2,3-cd]pyrene	0.19	0.57
100-01-6	4-Nitroaniline	0.19	U	78-59-1	Isophorone	0.19	U
100-02-7	4-Nitrophenol	0.19	U	91-20-3	Naphthalene	0.19	6.0
83-32-9	Acenaphthene	0.19	0.74	98-95-3	Nitrobenzene	0.19	U
208-96-8	Acenaphthylene	0.19	U	62-75-9	N-Nitrosodimethylamine	0.19	U
62-53-3	Aniline	0.19	U	621-64-7	N-Nitroso-di-n-propylamine	0.19	U
120-12-7	Anthracene	0.19	0.95	86-30-6	n-Nitrosodiphenylamine	0.19	U
92-87-5	Benzidine	0.93	U	87-86-5	Pentachlorophenol	0.93	U
56-55-3	Benzo[a]anthracene	0.19	1.1	85-01-8	Phenanthrene	0.19	6.7
50-32-8	Benzo[a]pyrene	0.19	0.57	108-95-2	Phenol	0.19	U
205-99-2	Benzo[b]fluoranthene	0.19	1.0	129-00-0	Pyrene	0.19	2.9

Worksheet #: 151474

Total Target Concentration 30

ColumnID: (^) Indicates results from 2nd column

*U - Indicates the compound was analyzed but not detected.**B - Indicates the analyte was found in the blank as well as in the sample.**E - Indicates the analyte concentration exceeds the calibration range of the instrument.**R - Retention Time Out**J - Indicates an estimated value when a compound is detected at less than the specified detection limit.**d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.*

Form1eORGANICS SEMIVOLATILE REPORT
Tentatively Identified Compounds

Sample Number: AC51387-005	Matrix: Soil
Client Id: PI-01-TP-RAU4DUP429	Initial Vol: 30g
Data File: 5M57737.D	Final Vol: 1ml
Analysis Date: 05/11/10 20:31	Dilution: 1
Date Rec/Extracted: 05/03/10-05/11/10	Solids: 36
	Method: EPA 8270C

Units: mg/Kg

	Cas #	Compound	RT	Conc
1	123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.49	590 JAY
2	57-10-3	Hexadecanoic acid	9.55	26 J
3		unknown	9.88	25 J
4	629-97-0	Docosane	11.79	27 J
5	629-78-7	Heptadecane	12.18	23 J
6	638-36-8	Hexadecane, 2,6,10,14-tetramethyl-	12.56	24 J
7		unknown	13.17	43 J
8		unknown	13.22	37 J
9	629-99-2	Pentacosane	13.28	36 J
10		unknown	13.83	38 J
11		unknown	14.04	39 J
12	6079-19-2	Cholestane, 4,5-epoxy-, (4.alpha.,5.alph	14.15	23 J
13		unknown	14.77	110 J
14	19206-58-7	4H-Naphtho[2,3-b]pyran-4,6,9-trione, 5,	14.92	100 J
15		unknown	14.95	48 J
16		unknown	15.00	22 J
17	127-22-0	Alnulin	15.10	110 J
18	83-46-5	5.ALPHA.-STIGMAST-3-ONE	15.15	25 J
19	22611-26-3	D:C-Friedoolean-8-en-3-one	15.22	44 J
20		unknown	15.43	59 J

Worksheet #: 151474

Total Tentatively Identified Concentration 1400*A - Indicates an aldol condensate.**J - Indicates an estimated value.**B - Indicates the analyte was found in the blank as well as in the sample.**Y - Indicates the analyte was found in the blank at <10% of the concentration of the sample.**<10% - Indicates the analyte was found in the blank at < 10% of nearest Internal Standard*

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AC51387-006(20X)

Client Id: PI-01-TP-RAU5DUP42910

Data File: 5M57798.D

Analysis Date: 05/13/10 00:24

Date Rec/Extracted: 05/03/10-05/11/10

Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270C

Matrix: Soil

Initial Vol: 30g

Final Vol: 1.5ml

Dilution: 20

Solids: 84

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
120-82-1	1,2,4-Trichlorobenzene	2.4	U	191-24-2	Benzo[g,h,i]perylene	2.4	3.3
122-66-7	1,2-Diphenylhydrazine	2.4	U	207-08-9	Benzo[k]fluoranthene	2.4	U
95-95-4	2,4,5-Trichlorophenol	2.4	U	65-85-0	Benzoic Acid	12	U
88-06-2	2,4,6-Trichlorophenol	2.4	U	111-91-1	bis(2-Chloroethoxy)methan	2.4	U
120-83-2	2,4-Dichlorophenol	2.4	U	111-44-4	bis(2-Chloroethyl)ether	2.4	U
105-67-9	2,4-Dimethylphenol	2.4	U	108-60-1	bis(2-chloroisopropyl)ether	2.4	U
51-28-5	2,4-Dinitrophenol	12	U	117-81-7	bis(2-Ethylhexyl)phthalate	2.4	U
121-14-2	2,4-Dinitrotoluene	2.4	U	85-68-7	Butylbenzylphthalate	2.4	U
606-20-2	2,6-Dinitrotoluene	2.4	U	86-74-8	Carbazole	2.4	U
91-58-7	2-Chloronaphthalene	2.4	U	218-01-9	Chrysene	2.4	13
95-57-8	2-Chlorophenol	2.4	U	53-70-3	Dibenzo[a,h]anthracene	2.4	U
91-57-6	2-Methylnaphthalene	2.4	24	132-64-9	Dibenzofuran	2.4	U
95-48-7	2-Methylphenol	2.4	U	84-66-2	Diethylphthalate	2.4	U
88-74-4	2-Nitroaniline	2.4	U	131-11-3	Dimethylphthalate	2.4	U
88-75-5	2-Nitrophenol	2.4	U	84-74-2	Di-n-butylphthalate	2.4	U
106-44-5	3&4-Methylphenol	2.4	U	117-84-0	Di-n-octylphthalate	2.4	U
91-94-1	3,3'-Dichlorobenzidine	2.4	U	206-44-0	Fluoranthene	2.4	7.3
99-09-2	3-Nitroaniline	2.4	U	86-73-7	Fluorene	2.4	6.9
534-52-1	4,6-Dinitro-2-methylphenol	12	U	118-74-1	Hexachlorobenzene	2.4	U
101-55-3	4-Bromophenyl-phenylether	2.4	U	87-68-3	Hexachlorobutadiene	2.4	U
59-50-7	4-Chloro-3-methylphenol	2.4	U	77-47-4	Hexachlorocyclopentadiene	12	U
106-47-8	4-Chloroaniline	2.4	U	67-72-1	Hexachloroethane	2.4	U
7005-72-3	4-Chlorophenyl-phenylether	2.4	U	193-39-5	Indeno[1,2,3-cd]pyrene	2.4	U
100-01-6	4-Nitroaniline	2.4	U	78-59-1	Isophorone	2.4	U
100-02-7	4-Nitrophenol	2.4	U	91-20-3	Naphthalene	2.4	3.8
83-32-9	Acenaphthene	2.4	6.6	98-95-3	Nitrobenzene	2.4	U
208-96-8	Acenaphthylene	2.4	U	62-75-9	N-Nitrosodimethylamine	2.4	U
62-53-3	Aniline	2.4	U	621-64-7	N-Nitroso-di-n-propylamine	2.4	U
120-12-7	Anthracene	2.4	9.4	86-30-6	n-Nitrosodiphenylamine	2.4	U
92-87-5	Benzidine	12	U	87-86-5	Pentachlorophenol	12	U
56-55-3	Benzo[a]anthracene	2.4	8.9	85-01-8	Phenanthrene	2.4	40
50-32-8	Benzo[a]pyrene	2.4	5.2	108-95-2	Phenol	2.4	U
205-99-2	Benzo[b]fluoranthene	2.4	2.8	129-00-0	Pyrene	2.4	35

Worksheet #: 151474

Total Target Concentration 170

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.*B* - Indicates the analyte was found in the blank as well as in the sample.*E* - Indicates the analyte concentration exceeds the calibration range of the instrument.*R* - Retention Time Out*J* - Indicates an estimated value when a compound is detected at less than the specified detection limit.*d* - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.

Form1eORGANICS SEMIVOLATILE REPORT
Tentatively Identified Compounds

Sample Number: AC51387-006(20X)	Matrix: Soil
Client Id: PI-01-TP-RAU5DUP429	Initial Vol: 30g
Data File: 5M57798.D	Final Vol: 1.5ml
Analysis Date: 05/13/10 00:24	Dilution: 20
Date Rec/Extracted: 05/03/10-05/11/10	Solids: 84
	Method: EPA 8270C

Units: mg/Kg

	Cas #	Compound	RT	Conc	
1	123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.24	250 JA B	u 5.13.10
2	90-12-0	Naphthalene, 1-methyl-	6.68	46 J	
3	1127-76-0	Naphthalene, 1-ethyl-	7.02	29 J	
4	571-61-9	Naphthalene, 1,5-dimethyl-	7.07	51 J	
5	571-61-9	Naphthalene, 1,5-dimethyl-	7.13	61 J	
6	571-61-9	Naphthalene, 1,5-dimethyl-	7.15	32 J	
7	2027-17-0	Naphthalene, 2-(1-methylethyl)-	7.49	42 J	
8	2131-42-2	Naphthalene, 1,4,6-trimethyl-	7.57	36 J	
9	2131-41-1	Naphthalene, 1,4,5-trimethyl-	7.74	29 J	
10	30995-64-3	METHYLDIBENZOTHIOPHENE	9.11	31 J	
11	883-20-5	Phenanthrene, 9-methyl-	9.30	49 J	
12	613-12-7	Anthracene, 2-methyl-	9.33	55 J	
13	57768-52-2	(+)-3,3-Dimethyltricyclo[5.4.0.0(2,9)]u	9.41	42 J	
14	613-12-7	Anthracene, 2-methyl-	9.44	32 J	
15	3674-65-5	Phenanthrene, 2,3-dimethyl-	9.79	41 J	
16	1576-69-8	Phenanthrene, 2,7-dimethyl-	9.83	38 J	
17	3674-65-5	Phenanthrene, 2,3-dimethyl-	9.91	87 J	
18	1576-69-8	Phenanthrene, 2,7-dimethyl-	9.94	36 J	
19	15096-10-3	Benzene, 1,1'-[(methylthio)ethenylidene]	10.15	29 J	
20	3674-73-5	Phenanthrene, 2,3,5-trimethyl-	10.43	46 J	

Worksheet #: 151474

Total Tentatively Identified Concentration 1100*A - Indicates an aldol condensate.**J - Indicates an estimated value.**B - Indicates the analyte was found in the blank as well as in the sample.**Y - Indicates the analyte was found in the blank at <10% of the concentration of the sample.**<10% - Indicates the analyte was found in the blank at < 10% of nearest Internal Standard*

VERITECH Wet Chem Form1 Analysis Summary
% Solids

TestGroupName: % Solids SM2540G
TestGroup: %SOLIDS

Project #: 0050304

Lab#	Client SampleID	Matrix	Dilution:	Result	Units:	RL	Prep Date	Analysis Date	Received Date	Collect Date
AC51387-001	PI-01-TP-RAU404	Soil	1	36	Percent			05/04/10	05/03/10	04/29/10
AC51387-002	PI-01-TP-RAU504	Soil	1	83	Percent			05/04/10	05/03/10	04/30/10
AC51387-003	PI-01-TP-RAU604	Soil	1	82	Percent			05/04/10	05/03/10	04/30/10
AC51387-004	PI-01-TP-RAT104	Soil	1	84	Percent			05/04/10	05/03/10	04/30/10
AC51387-005	PI-01-TP-RAU4D	Soil	1	36	Percent			05/04/10	05/03/10	04/30/10
AC51387-006	PI-01-TP-RAU5D	Soil	1	84	Percent			05/04/10	05/03/10	04/29/10

Chain of Custody Forms

CHAIN OF CUSTODY RECORD

Project#(Lab Use Only)

0050304

Page 1 of 1

Customer Information

1a) Customer: Hatchcroft MacDonaldAddress: Millburn, NJ 070411b) ~~Cell/Fax/Pr:~~ Robert.Trepp@hatchcroft.com1c) Send Invoice To: Angelos Zafiris (PANYNS)

Project Information

2a) Project: Port Ivory - Site 1 RA2b) Project Manager: Robert Trepp2c) Location (City/State): Station Island, NY

3) Reporting Requirements (please circle)

Turnaround Time	Report type	Electronic Deliv
24-Hour (100%)	Data Sum	HazMat/Csv
48-Hour (75%)	Waste	Equis
72-Hour (50%)	Red-N/IN/PA	Excel-N/UC
1-Week (25%)	CLP	Excel-N/Tagm
10 Days (10%)	Cal-A	Excel-PA/Cell
Other: <u>Expedited</u>	Other: <u>Cal-B</u>	PDF

Expedited TAT Not always available (Please check with lab)

2d) Quote#/PO# (If Applicable):

1d) Send Report To: Robert Trepp & Angelos Zafiris

7) Analysis Request

Check if Contingent==>

<==Check if Contingent

FOR LAB USE ONLY

Matrix Codes:

Batch#	DW-Drinking Water	GW-Ground Water	WW-Waste Water	S-Soil	SL-Sludge	O-Oil	A-Air	Or-Other
AC51387								

Lab Sample#	4) Customer Sample ID	5) Matrix	6) Sample Date	Sample Time
-001	PI-01-TP-RAV410351	S	4/29/10	1pm
-002	PI-01-TP-RAV5042005501	S	4/30/10	9AM
-003	PI-01-TP-RAV6042005501	S	4/30/10	11AM
-004	PI-01-TP-RAV1042005501	S	4/30/10	2pm
-005	PI-01-TP-RAV410351	S	4/30/10	1pm
-006	PI-01-TP-RAV5042005501	S	4/29/10	9AM

Sample Type
Composite (C)
Grab (G)TCT V00+10
TCT V00+208) # Of Bottles
None
MeOH
Encore
NaOH
HCl
H2SO4
HNO3
Other:9) Methanol Bottle Numbers (If applicable)
Comments

10) Relinquished By:

Accepted By

Date Time

Comments, Notes, Special Requirements, HAZARDS

Relinquished By: Bill Bort Date: 5/3/10 Time: 11:00

Accepted By: Bill Bort Date: 5/3/10 Time: 12:20

Comments: Port Authority pricing

* Bill Bort Authority directly

11) Sampler: WDEDate: 4/20/10Cooler Temp
2.99Please note NUMBERED items. If not completed your analytical work may be delayed.
A fee of \$5/sample will be assessed for storage if said sample not be activated for any analysis

CONDITION UPON RECEIPT

Batch Number AC51387

Entered By: Frantz

Date Entered 5/3/2010 12:34:00 PM

- 1 Yes Is there a corresponding COC included with the samples?
- 2 Yes Are the samples in a container such as a cooler or Ice chest?
- 3 Yes Are the COC seals intact?
- 4 Yes Please specify the Temperature inside the container (in degC)
2.9
- 5 Yes Are the samples refrigerated (where required)/have they arrived on ice?
- 6 Yes Are the samples within the holding times for the parameters listed on the COC? IF no, list parameters and samples:
- 7 Yes Are all of the sample bottles intact? If no, specify sample numbers broken/leaking
- 8 Yes Are all of the sample labels or numbers legible? If no specify:
- 9 Yes Do the contents match the COC? If no, specify
- 10 Yes Is there enough sample sent for the analyses listed on the COC? If no, specify:
- 11 Yes Are samples preserved correctly?
- 12 NA Are all soils preserved in methanol accompanied by dry soil?
- 13 NA Other comments ...Specify
- 14 NA Corrective actions (Specify item number and corrective action taken).

Internal Chain of Custody

Lab#:	DateTime:	Loc or User	Bot Nu	A/ M	Analysis	Lab#:	DateTime:	Loc or User	Bot Nu	A/ M	Analysis
AC51387-001	05/03/10 12:20	FRAN	0	M	Received	AC51387-005	05/11/10 11:17	R12	3	A	NONE
AC51387-001	05/03/10 12:34	FRAN	0	M	Login	AC51387-005	05/04/10 08:06	R21	4	A	NONE
AC51387-001	05/04/10 08:31	SDL	1	A	MIXING	AC51387-005	05/05/10 11:39	SG	4	A	VOA
AC51387-001	05/04/10 10:19	CJA	1	A	% solids	AC51387-005	05/05/10 16:37	R21	4	A	NONE
AC51387-001	05/04/10 11:04	R12	1	A	NONE	AC51387-005	05/06/10 09:51	SG	4	A	VOA
AC51387-001	05/11/10 09:54	MSL	1	A	BN	AC51387-005	05/06/10 10:03	R21	4	A	NONE
AC51387-001	05/11/10 11:17	R12	1	A	NONE	AC51387-005	05/05/10 16:37	R21	6	A	NONE
AC51387-001	05/04/10 08:06	R21	2	A	NONE	AC51387-005	05/06/10 08:46	SG	6	A	VOA
AC51387-001	05/05/10 11:39	SG	2	A	VOA	AC51387-005	05/06/10 08:58	R21	6	A	NONE
AC51387-001	05/05/10 16:37	R21	2	A	NONE	AC51387-006	05/03/10 12:20	FRAN	0	M	Received
AC51387-001	05/07/10 09:25	SG	2	A	VOA	AC51387-006	05/03/10 12:37	FRAN	0	M	Login
AC51387-001	05/07/10 09:38	R21	2	A	NONE	AC51387-006	05/04/10 08:31	SDL	3	A	MIXING
AC51387-001	05/05/10 16:37	R21	3	A	NONE	AC51387-006	05/04/10 10:19	CJA	3	A	% solids
AC51387-001	05/05/10 16:37	R21	4	A	NONE	AC51387-006	05/04/10 11:04	R12	3	A	NONE
AC51387-001	05/06/10 08:46	SG	4	A	VOA	AC51387-006	05/11/10 09:54	MSL	3	A	BN
AC51387-001	05/06/10 08:58	R21	4	A	NONE	AC51387-006	05/11/10 11:17	R12	3	A	NONE
AC51387-002	05/03/10 12:20	FRAN	0	M	Received	AC51387-006	05/04/10 08:06	R21	4	A	NONE
AC51387-002	05/03/10 12:34	FRAN	0	M	Login	AC51387-006	05/05/10 11:39	SG	4	A	VOA
AC51387-002	05/04/10 08:31	SDL	1	A	MIXING	AC51387-006	05/05/10 16:37	R21	4	A	NONE
AC51387-002	05/04/10 10:19	CJA	1	A	% solids	AC51387-006	05/10/10 14:58	SG	4	A	VOA
AC51387-002	05/04/10 11:04	R12	1	A	NONE	AC51387-006	05/10/10 15:08	R21	4	A	NONE
AC51387-002	05/11/10 09:54	MSL	1	A	BN	AC51387-006	05/05/10 16:37	R21	5	A	NONE
AC51387-002	05/11/10 11:17	R12	1	A	NONE	AC51387-006	05/07/10 18:48	WP	5	A	VOA
AC51387-002	05/04/10 08:06	R21	2	A	NONE	AC51387-006	05/10/10 08:26	R21	5	A	NONE
AC51387-002	05/05/10 11:39	SG	2	A	VOA	AC51387-006	05/10/10 08:27	WP	5	A	VOA
AC51387-002	05/05/10 16:37	R21	2	A	NONE	AC51387-006	05/05/10 16:37	R21	6	A	NONE
AC51387-002	05/10/10 14:58	SG	2	A	VOA	AC51387-006	05/06/10 08:46	SG	6	A	VOA
AC51387-002	05/10/10 15:08	R21	2	A	NONE	AC51387-006	05/06/10 08:58	R21	6	A	NONE
AC51387-002	05/05/10 16:37	R21	3	A	NONE	AC51387-006	05/07/10 08:41	SG	6	A	VOA
AC51387-002	05/07/10 18:48	WP	3	A	VOA	AC51387-006	05/07/10 08:47	R21	6	A	NONE
AC51387-002	05/10/10 08:26	R21	3	A	NONE						
AC51387-002	05/10/10 08:27	WP	3	A	VOA						
AC51387-002	05/05/10 16:37	R21	4	A	NONE						
AC51387-002	05/06/10 08:46	SG	4	A	VOA						
AC51387-002	05/06/10 08:58	R21	4	A	NONE						
AC51387-002	05/07/10 08:41	SG	4	A	VOA						
AC51387-002	05/07/10 08:47	R21	4	A	NONE						
AC51387-003	05/03/10 12:20	FRAN	0	M	Received						
AC51387-003	05/03/10 12:34	FRAN	0	M	Login						
AC51387-003	05/04/10 08:31	SDL	1	A	MIXING						
AC51387-003	05/04/10 10:19	CJA	1	A	% solids						
AC51387-003	05/04/10 11:04	R12	1	A	NONE						
AC51387-003	05/11/10 09:54	MSL	1	A	BN						
AC51387-003	05/11/10 11:17	R12	1	A	NONE						
AC51387-003	05/04/10 08:06	R21	2	A	NONE						
AC51387-003	05/05/10 11:39	SG	2	A	VOA						
AC51387-003	05/05/10 16:37	R21	2	A	NONE						
AC51387-003	05/07/10 09:25	SG	2	A	VOA						
AC51387-003	05/07/10 09:38	R21	2	A	NONE						
AC51387-003	05/05/10 16:37	R21	3	A	NONE						
AC51387-003	05/05/10 16:37	R21	4	A	NONE						
AC51387-003	05/06/10 08:46	SG	4	A	VOA						
AC51387-003	05/06/10 08:58	R21	4	A	NONE						
AC51387-004	05/03/10 12:20	FRAN	0	M	Received						
AC51387-004	05/03/10 12:34	FRAN	0	M	Login						
AC51387-004	05/04/10 08:06	R21	3	A	NONE						
AC51387-004	05/05/10 11:39	SG	3	A	VOA						
AC51387-004	05/05/10 16:37	R21	3	A	NONE						
AC51387-004	05/07/10 09:25	SG	3	A	VOA						
AC51387-004	05/07/10 09:38	R21	3	A	NONE						
AC51387-004	05/04/10 08:31	SDL	4	A	MIXING						
AC51387-004	05/04/10 10:19	CJA	4	A	% solids						
AC51387-004	05/04/10 11:04	R12	4	A	NONE						
AC51387-004	05/11/10 09:54	MSL	4	A	BN						
AC51387-004	05/11/10 11:17	R12	4	A	NONE						
AC51387-004	05/05/10 16:37	R21	5	A	NONE						
AC51387-004	05/05/10 16:37	R21	6	A	NONE						
AC51387-004	05/06/10 08:46	SG	6	A	VOA						
AC51387-004	05/06/10 08:58	R21	6	A	NONE						
AC51387-005	05/03/10 12:20	FRAN	0	M	Received						
AC51387-005	05/03/10 12:34	FRAN	0	M	Login						
AC51387-005	05/04/10 08:31	SDL	3	A	MIXING						
AC51387-005	05/04/10 10:19	CJA	3	A	% solids						
AC51387-005	05/04/10 11:04	R12	3	A	NONE						
AC51387-005	05/11/10 09:54	MSL	3	A	BN						

Samples marked as received are stored in coolers or refrigerator R12, or R24 at 4 deg C until Login

GC/MS Volatile Data

GC/MS Volatile Data
QC Summary

FORM2

Surrogate Recovery

Method: EPA 8260B

Dfile	Sample#	Matrix	Date/Time	Surr Dil	Dilute Out Flag	Column1 S1 Recov	Column1 S2 Recov	Column1 S3 Recov	Column1 S4 Recov	Column0 S5 Recov	Column0 S6 Recov
1M57011.D	DAILY BLANK	Soil	05/06/10 10:33	1		116	115	94	93		
1M57043.D	DAILY BLANK	Soil	05/07/10 06:48	1		119	100	98	90		
1M57098.D	DAILY BLANK	Soil	05/10/10 08:05	1		111	103	103	102		
1M57059.D	AC51387-001	Soil	05/07/10 11:07	1		117	109	90	103		
1M57102.D	AC51387-002(	Soil	05/10/10 09:12	1		100	94	121 *	84		
1M57126.D	AC51387-002(	Soil	05/10/10 15:40	1		109	108	108	104		
1M57058.D	AC51387-003	Soil	05/07/10 10:51	1		116	111	86	93		
1M57060.D	AC51387-004	Soil	05/07/10 11:24	1		110	107	101	124 *		
1M57068.D	AC51387-004	Soil	05/07/10 13:35	1		123	119	116	94		
1M57019.D	AC51387-005(	Soil	05/06/10 12:52	1		106	107	94	108		
1M57101.D	AC51387-006(	Soil	05/10/10 08:56	1		111	96	123 *	71 *		
1M57125.D	AC51387-006(	Soil	05/10/10 15:24	1		119	124	110	98		
1M57012.D	MBS15943	Soil	05/06/10 10:58	1		108	95	96	96		
1M57046.D	MBS15952	Soil	05/07/10 07:37	1		109	93	94	96		
1M57070.D	AC51467-004	Soil	05/07/10 14:07	1		111	110	94	95		
1M57103.D	MBS15984	Soil	05/10/10 09:28	1		101	90	98	105		
1M57109.D	MBS15991	Soil	05/10/10 11:05	1		102	100	102	107		
1M57110.D	AC51467-004(	Soil	05/10/10 11:21	1		96	97	111	104		
1M57111.D	AC51467-004(	Soil	05/10/10 11:37	1		102	94	106	118		
1M57127.D	MBS15994	Soil	05/10/10 15:57	1		102	90	98	99		

Flags: SD=Surrogate diluted out

*=Surrogate out

Method: 8260

Soil Limits

Compound	Spike Amt	Limits
S1=Dibromofluoromethane	30	58-133
S2=1,2-Dichloroethane-d4	30	68-124
S3=Toluene-d8	30	72-117
S4=Bromofluorobenzene	30	74-118

Form3

MBS Data
Method: 8260

Data File:====> 1M57012.D					1M57046.D					1M57103.D					1M57127.D							
Data/Batch/Sample ID:====> MBS15943-So					MBS15952-So					MBS15984-So					MBS15994-So							
Date/Time:====> 05/06/10 10:58					05/07/10 07:37					05/10/10 09:28					05/10/10 15:57							
Compound	Limit(s)		Col	Mr	Conc			% Rec			Conc			% Rec			Conc			% Rec		
	Soil	Aq			Conc	Exp	Rec	Conc	Exp	Rec	Conc	Exp	Rec	Conc	Exp	Rec	Conc	Exp	Rec	Conc	Exp	Rec
1,1-Dichloroethane	14-127		1	0	43.16	50	86	44.41	50	89	35.78	50	72	47.76	50	96						
1,1-Dichloroethene	8-114		1	0	38.4	50	77	40.76	50	82	33.31	50	67	44.34	50	89						
1,2-Dichlorobenzen	19-113		1	0	32.26	50	65	38.23	50	76	32.19	50	64	44.49	50	89						
1,2-Dichloroethane	18-130		1	0	51.46	50	103	54.87	50	110	43.7	50	87	56.64	50	113						
1,4-Dichlorobenzen	20-110		1	0	32.72	50	65	37.28	50	75	29.02	50	58	43.92	50	88						
2-Butanone	4-141		1	0	47.17	50	94	49.48	50	99	39.41	50	79	60.81	50	122						
Benzene	21-122		1	0	41.34	50	83	42.98	50	86	36.62	50	73	47.33	50	95						
Carbon Tetrachlorid	19-122		1	0	46.14	50	92	52.11	50	104	43.07	50	86	53.93	50	108						
Chlorobenzene	21-117		1	0	38.81	50	78	41.74	50	83	35.71	50	71	44.95	50	90						
Chloroform	26-119		1	0	39.53	50	79	45.08	50	90	36.12	50	72	46.87	50	94						
n-Propylbenzene	16-122		1	0	34.13	50	68	38.81	50	78	37.26	50	75	48.41	50	97						
sec-Butylbenzene	9-125		1	0	36.9	50	74	41.53	50	83	41.86	50	84	50.91	50	102						
Tetrachloroethene	18-116		1	0	44.49	50	89	49.6	50	99	39.16	50	78	54.82	50	110						
Toluene	19-128		1	0	42.05	50	84	45.99	50	92	40.23	50	80	51.24	50	102						
Trichloroethene	21-116		1	0	47.79	50	96	50.79	50	102	39.88	50	80	53.21	50	106						
Vinyl Chloride	6-117		1	0	48.17	50	96	46.39	50	93	43.8	50	88	43.48	50	87						

Flags/Notes:

* - Values outside of limits for this column/run

FORM 3

Spike Recovery

Batch Number: MBS15991

Mbs File: 1M57109.D

Mbs Date: 05/10/10 11:05

Mbs Name: MBS15991

Non Spk'd File: 1M57070.D

Non Spk'd Date: 05/07/10 14:07

Ns Name: AC51467-004

Spike File: 1M57110.D

Spike Date: 05/10/10 11:21

Ms Name: AC51467-004(MS)

Spike Dup File: 1M57111.D

Spike Dup Date: 05/10/10 11:37

Msd Name: AC51467-004(MSD)

Matrix: Soil

Method: EPA 8260B

Compound	C#	Co	Mr	Conc Exp	Lo Lim	Hi Lim	Rpd Lim	Mbs Conc	Sample Conc	Spike Conc	Spike Dup Conc	Mbs Rec	MS Rec	Msd Rec	Rpd
Vinyl Chloride	9	1	0	50	6	117	53	50.80	0.00	36.81	42.15	102	74	84	14
1,1-Dichloroethene	22	1	0	50	8	114	53	39.36	0.00	33.81	28.18	79	68	56	18
1,1-Dichloroethane	25	1	0	50	14	127	44	41.53	0.00	35.25	33.31	83	70	67	5.7
Chloroform	32	1	0	50	26	119	39	41.31	0.00	34.65	32.39	83	69	65	6.7
1,2-Dichloroethane	36	1	0	50	18	130	37	52.71	0.00	38.20	39.14	105	76	78	2.4
2-Butanone	37	1	0	50	4	141	59	47.16	0.00	16.00	17.36	94	32	35	8.2
Carbon Tetrachloride	39	1	0	50	19	122	40	48.06	0.00	39.66	36.48	96	79	73	8.4
Trichloroethene	45	1	0	50	21	116	39	45.57	0.00	38.23	32.22	91	76	64	17
Benzene	46	1	0	50	21	122	38	41.03	0.00	32.48	31.12	82	65	62	4.3
Tetrachloroethene	58	1	0	50	18	116	37	46.47	0.00	41.84	35.83	93	84	72	15
Toluene	60	1	0	50	19	128	35	45.34	0.00	36.41	33.60	91	73	67	8
Chlorobenzene	62	1	0	50	21	117	37	40.86	0.00	28.31	26.04	82	57	52	8.4
1,4-Dichlorobenzene	73	1	0	50	20	110	41	37.74	0.00	17.62	18.96	75	35	38	7.3
1,2-Dichlorobenzene	74	1	0	50	19	113	42	38.07	0.00	18.70	22.21	76	37	44	17
n-Propylbenzene	81	1	0	50	16	122	42	44.11	0.00	29.29	29.94	88	59	60	2.2
sec-Butylbenzene	86	1	0	50	9	125	48	47.21	0.00	32.36	36.07	94	65	72	11

Note:

Rp = Failed Rpd Criteria

Mo = Failed Recovery Criteria

^ - Both Ms and Msd Recoveries = 0 ... no valid information can be calculated

FORM 4
Blank Summary

Blank Number: DAILY BLANK
Blank Data File: 1M57011.D
Matrix: Soil

Blank Analysis Date: 05/06/10 10:33
Blank Extraction Date: NA
(If Applicable)
Method: EPA 8260B

Sample Number	Data File	Analysis Date
AC51387-005(5X)	1M57019.D	05/06/10 12:52
MBS15943	1M57012.D	05/06/10 10:58

FORM 4
Blank Summary

Blank Number: DAILY BLANK
Blank Data File: 1M57043.D
Matrix: Soil

Blank Analysis Date: 05/07/10 06:48
Blank Extraction Date: NA
(If Applicable)
Method: EPA 8260B

Sample Number	Data File	Analysis Date
AC51387-001	1M57059.D	05/07/10 11:07
AC51387-003	1M57058.D	05/07/10 10:51
AC51387-004	1M57068.D	05/07/10 13:35
AC51387-004	1M57060.D	05/07/10 11:24
AC51467-004	1M57070.D	05/07/10 14:07
MBS15952	1M57046.D	05/07/10 07:37

FORM 4
Blank Summary

Blank Number: DAILY BLANK
Blank Data File: 1M57098.D
Matrix: Soil

Blank Analysis Date: 05/10/10 08:05
Blank Extraction Date: NA
(If Applicable)
Method: EPA 8260B

Sample Number	Data File	Analysis Date
AC51387-002(5X)	1M57102.D	05/10/10 09:12
AC51387-002(5X)	1M57126.D	05/10/10 15:40
AC51387-006(5X)	1M57125.D	05/10/10 15:24
AC51387-006(5X)	1M57101.D	05/10/10 08:56
MBS15994	1M57127.D	05/10/10 15:57
MBS15984	1M57103.D	05/10/10 09:28
MBS15991	1M57109.D	05/10/10 11:05
AC51467-004(MS)	1M57110.D	05/10/10 11:21
AC51467-004(MSD)	1M57111.D	05/10/10 11:37

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 1

Data File: 1M56803.D
Analysis Date: 04/30/10 10:15
Method: EPA 8260B

Tune Scan/Time Range: Average of 4.402 to 4.412 min

Tgt	Rel	Lo	Hi	Rel	Raw	Pass/
Mass	Mass	Lim	Lim	Abund	Abund	Fail
50	95	15	40	18.2	3065	PASS
75	95	30	60	46.8	7908	PASS
95	95	100	100	100.0	16883	PASS
96	95	5	9	6.4	1073	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	76.4	12907	PASS
175	174	5	9	8.2	1062	PASS
176	174	95	101	97.4	12574	PASS
177	176	5	9	5.2	658	PASS

Data File	Sample Number	Analysis Date:
1M56805.D	CAL @ 500 PPB	04/30/10 10:50
1M56806.D	CAL @ 250 PPB	04/30/10 11:06
1M56807.D	CAL @ 100 PPB	04/30/10 11:23
1M56808.D	CAL @ 50 PPB	04/30/10 11:39
1M56809.D	CAL @ 20 PPB	04/30/10 11:55
1M56810.D	CAL @ 10 PPB	04/30/10 12:11
1M56811.D	CAL @ 5 PPB	04/30/10 12:27
1M56812.D	BLK	04/30/10 12:44
1M56813.D	CAL @ 1 PPB	04/30/10 13:00
1M56814.D	CAL @ 0.5 PPB	04/30/10 13:16
1M56815.D	ICV	04/30/10 13:32
1M56816.D	STD	04/30/10 13:48
1M56817.D	BLK	04/30/10 14:05
1M56818.D	DAILY BLANK	04/30/10 14:21
1M56819.D	AC51213-016	04/30/10 14:42
1M56820.D	MBS15885	04/30/10 14:58
1M56821.D	BLK	04/30/10 15:15
1M56822.D	AC51081-001	04/30/10 15:31
1M56823.D	AC51081-002	04/30/10 15:47
1M56824.D	MBS15886	04/30/10 16:03
1M56825.D	AC51081-003	04/30/10 16:20
1M56826.D	AC51081-004	04/30/10 16:36
1M56827.D	AC51235-001	04/30/10 16:52
1M56828.D	AC51195-003	04/30/10 17:08
1M56829.D	AC51195-005	04/30/10 17:24
1M56830.D	AC51081-002(MS)	04/30/10 17:40
1M56831.D	AC51081-002(MSD)	04/30/10 17:57
1M56832.D	BLK	04/30/10 18:13
1M56833.D	AC51313-001	04/30/10 18:29
1M56834.D	AC51313-002	04/30/10 18:45
1M56835.D	AC51313-003	04/30/10 19:01
1M56836.D	AC51313-004	04/30/10 19:18
1M56837.D	AC51313-005	04/30/10 19:34
1M56838.D	AC51313-006	04/30/10 19:50
1M56839.D	AC51313-007	04/30/10 20:06
1M56840.D	AC51314-010	04/30/10 20:22
1M56841.D	AC51326-001	04/30/10 20:38
1M56842.D	AC51257-001(5X)	04/30/10 20:55
1M56843.D	BLK	04/30/10 21:11
1M56844.D	AC51258-001(5X)	04/30/10 21:27
1M56845.D	BLK	04/30/10 21:43
1M56846.D	BLK	04/30/10 22:00
1M56847.D	BLK	04/30/10 22:16
1M56848.D	BLK	04/30/10 22:32
1M56849.D	BLK	04/30/10 22:48
1M56850.D	BLK	04/30/10 23:05
1M56851.D	BLK	04/30/10 23:21

Form 5

Tune Name: BFB TUNE

Data File: 1M57001.D

Instrument: GCMS 1

Analysis Date: 05/06/10 06:36

Method: EPA 8260B

Tune Scan/Time Range: Average of 4.440 to 4.460 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	22.2	6481	PASS
75	95	30	60	49.8	14512	PASS
95	95	100	100	100.0	29147	PASS
96	95	5	9	6.4	1856	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	77.1	22465	PASS
175	174	5	9	8.2	1842	PASS
176	174	95	101	98.0	22015	PASS
177	176	5	9	6.8	1493	PASS

Data File	Sample Number	Analysis Date:
1M57002.D	CAL @ 50 PPB	05/06/10 06:46
1M57003.D	BLK	05/06/10 07:19
1M57004.D	BLK	05/06/10 08:11
1M57005.D	BLK	05/06/10 08:27
1M57006.D	51314-010	05/06/10 08:44
1M57007.D	STDTEST	05/06/10 09:00
1M57008.D	BLK	05/06/10 09:42
1M57009.D	STDTEST	05/06/10 09:58
1M57010.D	BLK	05/06/10 10:17
1M57011.D	DAILY BLANK	05/06/10 10:33
1M57012.D	MBS15943	05/06/10 10:58
1M57013.D	BLK	05/06/10 11:14
1M57014.D	AC51371-005	05/06/10 11:30
1M57015.D	AC51404-001	05/06/10 11:47
1M57016.D	AC51404-006	05/06/10 12:03
1M57017.D	AC51404-007	05/06/10 12:19
1M57018.D	AC51420-012	05/06/10 12:36
1M57019.D	AC51387-005(5X)	05/06/10 12:52
1M57020.D	BLK	05/06/10 13:08
1M57021.D	AC51354-001	05/06/10 13:24
1M57022.D	BLK	05/06/10 13:41
1M57023.D	BLK	05/06/10 13:57
1M57024.D	AC51408-001	05/06/10 14:13
1M57025.D	AC51408-002	05/06/10 14:30
1M57026.D	AC51408-003	05/06/10 14:46
1M57027.D	AC51404-006	05/06/10 15:02
1M57028.D	AC51408-004	05/06/10 15:19
1M57029.D	AC51408-007	05/06/10 15:35
1M57030.D	AC51408-008	05/06/10 15:51
1M57031.D	AC51408-009	05/06/10 16:08
1M57032.D	BLK(050610)	05/06/10 16:24
1M57033.D	AC51351-012	05/06/10 16:40
1M57034.D	AC51404-004(MS)	05/06/10 16:56
1M57035.D	AC51404-004(MSD)	05/06/10 17:13
1M57036.D	BLK	05/06/10 17:29
1M57037.D	AC51408-001	05/06/10 17:45

Form 5

Tune Name: BFB TUNE

Data File: 1M57040.D

Instrument: GCMS 1

Analysis Date: 05/07/10 05:35

Method: EPA 8260B

Tune Scan/Time Range: Scan 35

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	22.5	5676	PASS
75	95	30	60	52.6	13289	PASS
95	95	100	100	100.0	25256	PASS
96	95	5	9	6.1	1549	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	90.3	22816	PASS
175	174	5	9	6.9	1572	PASS
176	174	95	101	95.0	21680	PASS
177	176	5	9	6.8	1476	PASS

Data File	Sample Number	Analysis Date:
1M57041.D	CAL @ 50 PPB	05/07/10 06:10
1M57042.D	BLK	05/07/10 06:32
1M57043.D	DAILY BLANK	05/07/10 06:48
1M57044.D	BLK	05/07/10 07:04
1M57045.D	AC51408-002	05/07/10 07:20
1M57046.D	MBS15952	05/07/10 07:37
1M57047.D	BLK	05/07/10 07:53
1M57048.D	AC51262-008	05/07/10 08:09
1M57049.D	AC51332-007	05/07/10 08:25
1M57050.D	AC51439-001	05/07/10 08:41
1M57051.D	AC51439-002	05/07/10 08:58
1M57052.D	AC51439-003	05/07/10 09:14
1M57053.D	AC51439-004	05/07/10 09:30
1M57054.D	AC51439-005	05/07/10 09:46
1M57055.D	AC51439-006	05/07/10 10:03
1M57056.D	AC51439-007	05/07/10 10:19
1M57057.D	AC51338-002	05/07/10 10:35
1M57058.D	AC51387-003	05/07/10 10:51
1M57059.D	AC51387-001	05/07/10 11:07
1M57060.D	AC51387-004	05/07/10 11:24
1M57061.D	BLK	05/07/10 11:40
1M57062.D	AC51420-012	05/07/10 11:56
1M57063.D	BLK	05/07/10 12:12
1M57064.D	AC51420-011	05/07/10 12:28
1M57065.D	BLK	05/07/10 12:45
1M57066.D	AC51404-005(MS)	05/07/10 13:03
1M57067.D	AC51404-005(MSD)	05/07/10 13:19
1M57068.D	AC51387-004	05/07/10 13:35
1M57069.D	AC51420-011	05/07/10 13:51
1M57070.D	AC51467-004	05/07/10 14:07
1M57071.D	AC51467-003	05/07/10 14:24
1M57072.D	AC51467-002	05/07/10 14:40
1M57073.D	51467-001	05/07/10 14:56
1M57074.D	BLK	05/07/10 15:12
1M57075.D	AC51332-007	05/07/10 15:29

Form 5

Tune Name: BFB TUNE

Data File: 1M57095.D

Instrument: GCMS 1

Analysis Date: 05/10/10 06:49

Method: EPA 8260B

Tune Scan/Time Range: Average of 4.444 to 4.444 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	22.1	6072	PASS
75	95	30	60	45.1	12412	PASS
95	95	100	100	100.0	27520	PASS
96	95	5	9	8.5	2352	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	86.4	23776	PASS
175	174	5	9	8.1	1930	PASS
176	174	95	101	100.7	23952	PASS
177	176	5	9	8.0	1923	PASS

Data File	Sample Number	Analysis Date:
1M57096.D	CAL @ 50 PPB	05/10/10 07:27
1M57097.D	BLK	05/10/10 07:49
1M57098.D	DAILY BLANK	05/10/10 08:05
1M57099.D	BLK	05/10/10 08:23
1M57100.D	AC51421-001	05/10/10 08:40
1M57101.D	AC51387-006(5X)	05/10/10 08:56
1M57102.D	AC51387-002(5X)	05/10/10 09:12
1M57103.D	MBS15984	05/10/10 09:28
1M57104.D	BLK	05/10/10 09:44
1M57105.D	AC51456-006	05/10/10 10:00
1M57106.D	AC51446-007	05/10/10 10:16
1M57107.D	AC51447-001	05/10/10 10:33
1M57108.D	AC51432-002	05/10/10 10:49
1M57109.D	MBS15991	05/10/10 11:05
1M57110.D	AC51467-004(MS)	05/10/10 11:21
1M57111.D	AC51467-004(MSD)	05/10/10 11:37
1M57112.D	BLK	05/10/10 11:53
1M57113.D	AC51446-003	05/10/10 12:09
1M57114.D	AC51446-007	05/10/10 12:26
1M57115.D	AC51456-007	05/10/10 12:42
1M57116.D	AC51456-005	05/10/10 12:58
1M57117.D	AC51456-004	05/10/10 13:14
1M57118.D	AC51456-003	05/10/10 13:30
1M57119.D	AC51456-002	05/10/10 13:46
1M57120.D	AC51456-001	05/10/10 14:02
1M57121.D	BLK	05/10/10 14:19
1M57122.D	AC51448-001	05/10/10 14:35
1M57123.D	AC51448-002	05/10/10 14:51
1M57124.D	AC51448-003	05/10/10 15:07
1M57125.D	AC51387-006(5X)	05/10/10 15:24
1M57126.D	AC51387-002(5X)	05/10/10 15:40
1M57127.D	MBS15994	05/10/10 15:57
1M57128.D	AC51448-001(MS)	05/10/10 16:13
1M57129.D	AC51448-001(MSD)	05/10/10 16:29
1M57130.D	AC51456-005	05/10/10 16:45
1M57131.D	AC51456-002	05/10/10 17:01
1M57132.D	AC51456-001	05/10/10 17:17
1M57133.D	AC51448-005	05/10/10 17:34
1M57134.D	AC51455-014	05/10/10 17:50
1M57135.D	AC51455-019	05/10/10 18:06
1M57136.D	AC51455-020	05/10/10 18:22
1M57137.D	AC51455-022	05/10/10 18:38
1M57138.D	BLK	05/10/10 18:54
1M57139.D	BLK	05/10/10 19:11
1M57140.D	BLK	05/10/10 19:27
1M57141.D	BLK	05/10/10 19:43

FORM8

Internal Standard Areas

Evaluation Std Data File: 1M56809.D

Method: EPA 8260B

Analysis Date/Time: 04/30/10 11:55

Lab File ID: CAL @ 20 PPB

Eval File Area/RT:	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area Limit:	109004	4.60	88366	6.44	58050	7.86						
Eval File Rt Limit:	54502-218008		44183-176732		29025-116100							
	4.1-5.1		5.94-6.94		7.36-8.360001							

Data File Sample

1M56805.D CAL @ 500 P	126239	4.59	97023	6.44	45774	7.86
1M56806.D CAL @ 250 P	112281	4.60	86393	6.44	52839	7.87
1M56807.D CAL @ 100 P	118713	4.60	87252	6.44	55535	7.85
1M56808.D CAL @ 50 PP	107427	4.60	84306	6.44	57315	7.86
1M56809.D CAL @ 20 PP	109004	4.60	88366	6.44	58050	7.86
1M56810.D CAL @ 10 PP	106597	4.61	86527	6.44	61134	7.86
1M56811.D CAL @ 5 PPB	109460	4.60	84149	6.44	58855	7.87
1M56812.D BLK	96155	4.60	81027	6.44	50546	7.86
1M56813.D CAL @ 1 PPB	101813	4.60	78836	6.45	54815	7.86
1M56814.D CAL @ 0.5 P	98117	4.60	82280	6.44	53234	7.86
1M56815.D ICV	109103	4.60	86900	6.45	58084	7.87
1M56816.D STD	110814	4.60	85880	6.44	61454	7.87
1M56817.D BLK	103980	4.60	83883	6.44	51851	7.87
1M56818.D DAILY BLANK	95471	4.60	77137	6.44	52898	7.87
1M56819.D AC51213-016	88722	4.61	64973	6.44	33212	7.87
1M56820.D MBS15885	100802	4.60	81153	6.44	53579	7.87
1M56821.D BLK	102862	4.61	79280	6.45	52348	7.87
1M56822.D AC51081-001	89386	4.60	66745	6.44	34831	7.87
1M56823.D AC51081-002	79062	4.61	69852	6.45	42236	7.87
1M56824.D MBS15886	107928	4.60	77933	6.44	57226	7.87
1M56825.D AC51081-003	78689	4.60	60174	6.44	32251	7.87
1M56826.D AC51081-004	79185	4.60	55478	6.45	26120 A	7.86
1M56827.D AC51235-001	88735	4.60	72304	6.45	41343	7.87
1M56828.D AC51195-003	88003	4.60	74526	6.45	50045	7.86
1M56829.D AC51195-005	81300	4.60	69884	6.44	47863	7.87
1M56830.D AC51081-002	111274	4.60	83829	6.44	59607	7.87
1M56831.D AC51081-002	97785	4.60	76392	6.45	51789	7.86
1M56832.D BLK	101042	4.61	79067	6.44	51995	7.87
1M56833.D AC51313-001	91740	4.60	76617	6.44	53530	7.87
1M56834.D AC51313-002	90147	4.60	73827	6.44	53628	7.87
1M56835.D AC51313-003	84283	4.61	70811	6.45	47092	7.87
1M56836.D AC51313-004	86044	4.60	69820	6.44	45320	7.87
1M56837.D AC51313-005	79561	4.60	69557	6.44	49089	7.86
1M56838.D AC51313-006	90659	4.60	75404	6.44	44734	7.87
1M56839.D AC51313-007	82309	4.60	68864	6.45	43951	7.87
1M56840.D AC51314-010	85947	4.60	70110	6.45	44660	7.86
1M56841.D AC51326-001	88485	4.60	85260	6.44	61158	7.87
1M56842.D AC51257-001	87799	4.60	68601	6.45	66028	7.87
1M56843.D BLK	93105	4.60	81038	6.44	57437	7.87
1M56844.D AC51258-001	93231	4.60	77177	6.44	52454	7.86
1M56845.D BLK	94691	4.60	83466	6.44	55656	7.87
1M56846.D BLK	98308	4.60	85190	6.44	53353	7.86
1M56847.D BLK	97718	4.60	82947	6.44	56354	7.87
1M56848.D BLK	102580	4.60	85673	6.44	55859	7.86
1M56849.D BLK	91278	4.60	79532	6.44	53597	7.87
1M56850.D BLK	104115	4.60	81262	6.44	50137	7.86
1M56851.D BLK	98724	4.60	85312	6.44	53485	7.86

I1 = Fluorobenzene
 I2 = Chlorobenzene-d5
 I3 = 1,4-Dichlorobenzene-d4

I4 =
 I5 =
 I6 =

625/8270 Internal Standard concentration = 40 mg/L (in final extract)
 624/8260 Internal Standard concentration = 30ug/L
 524 Internal Standard concentration = 5ug/L

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Retention Times:

Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

FORM8

Internal Standard Areas

Evaluation Std Data File: 1M57002.D

Method: EPA 8260B

Analysis Date/Time: 05/06/10 06:46

Lab File ID: CAL @ 50 PPB

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	135382	4.62	113486	6.46	66484	7.89						
Eval File Area Limit:	67691-270764		56743-226972		33242-132968							
Eval File Rt Limit:	4.12-5.12		5.96-6.96		7.39-8.389999							

Data File Sample

1M57003.D BLK	109642	4.62	96188	6.46	63693	7.88
1M57004.D BLK	100857	4.62	92211	6.46	62977	7.87
1M57005.D BLK	106206	4.62	97792	6.46	65516	7.87
1M57006.D 51314-010	98863	4.62	86672	6.46	55670	7.88
1M57007.D STDTEST	106410	4.62	92596	6.46	70152	7.87
1M57008.D BLK	1593 A	4.58	0 A	0.00 R	0 A	0.00 R
1M57009.D STDTEST	134593	4.62	96822	6.46	69948	7.88
1M57010.D BLK	108936	4.62	93811	6.46	62601	7.88
1M57011.D DAILY BLANK	101508	4.62	88081	6.46	63355	7.88
1M57012.D MBS15943	109046	4.62	93526	6.46	69347	7.88
1M57013.D BLK	105526	4.62	95037	6.46	60481	7.89
1M57014.D AC51371-005	99932	4.62	95729	6.46	69297	7.88
1M57015.D AC51404-001	100540	4.62	96519	6.46	60623	7.89
1M57016.D AC51404-006	88572	4.62	69447	6.46	29584 A	7.88
1M57017.D AC51404-007	92321	4.64	78843	6.48	47066	7.89
1M57018.D AC51420-012	78561	4.62	57124	6.46	27665 A	7.88
1M57019.D AC51387-005	99719	4.62	91766	6.46	55939	7.88
1M57020.D BLK	99274	4.62	93362	6.46	62534	7.88
1M57021.D AC51354-001	89750	4.63	91354	6.47	80273	7.89
1M57022.D BLK	104413	4.62	97508	6.46	72838	7.88
1M57023.D BLK	106982	4.62	99161	6.46	66811	7.89
1M57024.D AC51408-001	81676	4.62	51859 A	6.46	16995 A	7.88
1M57025.D AC51408-002	89670	4.62	61067	6.46	22473 A	7.88
1M57026.D AC51408-003	102347	4.62	94327	6.46	59045	7.88
1M57027.D AC51404-006	93554	4.62	68358	6.46	28204 A	7.88
1M57028.D AC51408-004	94258	4.62	87413	6.46	56766	7.88
1M57029.D AC51408-007	100408	4.62	85415	6.46	47900	7.87
1M57030.D AC51408-008	107651	4.62	97223	6.46	57859	7.88
1M57031.D AC51408-009	111338	4.62	101693	6.46	70917	7.89
1M57032.D BLK(050610)	106700	4.62	97829	6.46	66966	7.88
1M57033.D AC51351-012	76372	4.62	64323	6.46	38852	7.88
1M57034.D AC51404-004	110895	4.62	93107	6.46	62982	7.88
1M57035.D AC51404-004	95096	4.62	76567	6.46	49644	7.88
1M57036.D BLK	104743	4.62	102162	6.46	70351	7.88
1M57037.D AC51408-001	90989	4.62	71605	6.46	30355 A	7.87

I1 = Fluorobenzene
I2 = Chlorobenzene-d5
I3 = 1,4-Dichlorobenzene-d4

I4 =
I5 =
I6 =

625/8270 Internal Standard concentration = 40 mg/L (in final extract)
624/8260 Internal Standard concentration = 30ug/L
524 Internal Standard concentration = 5ug/L

QC Limits:**Internal Standard Areas**

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Retention Times:

Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

FORM8**Internal Standard Areas**

Evaluation Std Data File: 1M57041.D

Method: EPA 8260B

Analysis Date/Time: 05/07/10 06:10

Lab File ID: CAL @ 50 PPB

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	139776	4.61	114048	6.45	69080	7.87						
Eval File Area Limit:	69888-279552		57024-228096		34540-138160							
Eval File Rt Limit:	4.11-5.11		5.95-6.95		7.37-8.37							

Data File Sample

1M57042.D BLK	126543	4.61	94032	6.45	62803	7.87
1M57043.D DAILY BLANK	106799	4.61	92897	6.45	65066	7.87
1M57044.D BLK	94901	4.61	88590	6.45	66474	7.87
1M57045.D AC51408-002	74344	4.62	51791 A	6.45	18388 A	7.86
1M57046.D MBS15952	111735	4.61	96333	6.45	74301	7.87
1M57047.D BLK	98982	4.62	94160	6.45	62717	7.87
1M57048.D AC51262-008	100558	4.62	90906	6.45	57716	7.86
1M57049.D AC51332-007	94915	4.61	67984	6.45	30575 A	7.87
1M57050.D AC51439-001	102581	4.62	94069	6.45	57785	7.88
1M57051.D AC51439-002	87754	4.61	85259	6.45	66924	7.87
1M57052.D AC51439-003	93257	4.61	89329	6.45	66801	7.86
1M57053.D AC51439-004	104296	4.61	92191	6.45	68952	7.87
1M57054.D AC51439-005	90359	4.61	83241	6.45	61407	7.87
1M57055.D AC51439-006	98566	4.61	97228	6.45	74369	7.86
1M57056.D AC51439-007	93227	4.61	93950	6.45	67933	7.86
1M57057.D AC51338-002	95958	4.62	82069	6.45	46755	7.88
1M57058.D AC51387-003	103126	4.62	95605	6.45	64334	7.87
1M57059.D AC51387-001	95263	4.62	93099	6.45	63156	7.87
1M57060.D AC51387-004	96438	4.62	67728	6.45	29515 A	7.87
1M57061.D BLK	98953	4.62	96296	6.45	68724	7.87
1M57062.D AC51420-012	73583	4.62	54209 A	6.45	21985 A	7.87
1M57063.D BLK	117305	4.62	101859	6.45	66412	7.87
1M57064.D AC51420-011	76438	4.61	39012 A	6.45	25322 A	7.87
1M57065.D BLK	112810	4.62	98439	6.45	74914	7.86
1M57066.D AC51404-005	116313	4.62	99210	6.45	67717	7.87
1M57067.D AC51404-005	109488	4.62	92828	6.45	63594	7.87
1M57068.D AC51387-004	86304	4.62	55765 A	6.45	22207 A	7.87
1M57069.D AC51420-011	99194	4.62	70399	6.45	34162 A	7.87
1M57070.D AC51467-004	93229	4.62	90054	6.46	58503	7.87
1M57071.D AC51467-003	106091	4.62	102497	6.45	62143	7.87
1M57072.D AC51467-002	108902	4.62	98765	6.45	54954	7.87
1M57073.D 51467-001	101734	4.62	86106	6.45	45401	7.87
1M57074.D BLK	97278	4.62	96891	6.45	70006	7.88
1M57075.D AC51332-007	87110	4.62	66204	6.45	31342 A	7.87

I1 = Fluorobenzene
 I2 = Chlorobenzene-d5
 I3 = 1,4-Dichlorobenzene-d4

I4 =
 I5 =
 I6 =

625/8270 Internal Standard concentration = 40 mg/L (in final extract)
 624/8260 Internal Standard concentration = 30ug/L
 524 Internal Standard concentration = 5ug/L

QC Limits:**Internal Standard Areas**

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Retention Times:

Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

FORM8

Internal Standard Areas

Evaluation Std Data File: 1M57096.D

Method: EPA 8260B

Analysis Date/Time: 05/10/10 07:27

Lab File ID: CAL @ 50 PPB

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	127853	4.58	97585	6.42	66636	7.85						
Eval File Area Limit:	63926-255706		48792-195170		33318-133272							
Eval File Rt Limit:	4.08-5.08		5.92-6.92		7.35-8.35							

Data File Sample

1M57097.D BLK	123926	4.59	94301	6.43	62111	7.85						
1M57098.D DAILY BLANK	102063	4.59	78314	6.43	47987	7.85						
1M57099.D BLK	92367	4.59	73896	6.42	47776	7.85						
1M57100.D AC51421-001	93468	4.60	77101	6.43	57497	7.85						
1M57101.D AC51387-006	82603	4.59	48014 A	6.43	31912 A	7.85						
1M57102.D AC51387-002	91663	4.59	53408	6.42	30314 A	7.85						
1M57103.D MBS15984	108363	4.59	84311	6.43	53250	7.85						
1M57104.D BLK	92728	4.59	77231	6.43	47730	7.84						
1M57105.D AC51456-006	106503	4.59	81750	6.43	55588	7.85						
1M57106.D AC51446-007	103574	4.59	77895	6.43	44616	7.85						
1M57107.D AC51447-001	100583	4.59	72237	6.43	40340	7.85						
1M57108.D AC51432-002	97318	4.59	75066	6.43	42667	7.85						
1M57109.D MBS15991	102781	4.60	82665	6.42	54971	7.85						
1M57110.D AC51467-004	112861	4.59	81780	6.43	55811	7.85						
1M57111.D AC51467-004	103423	4.59	78820	6.43	46010	7.85						
1M57112.D BLK	99327	4.59	72468	6.43	47656	7.85						
1M57113.D AC51446-003	108785	4.59	80374	6.43	51198	7.85						
1M57114.D AC51446-007	99701	4.59	63713	6.43	29713 A	7.85						
1M57115.D AC51456-007	87034	4.59	61213	6.43	34989	7.85						
1M57116.D AC51456-005	84734	4.60	53718	6.43	25355 A	7.85						
1M57117.D AC51456-004	83859	4.59	63382	6.43	35073	7.85						
1M57118.D AC51456-003	104018	4.60	77603	6.43	51910	7.85						
1M57119.D AC51456-002	71855	4.59	45158 A	6.43	19027 A	7.85						
1M57120.D AC51456-001	77188	4.60	57701	6.43	32773 A	7.85						
1M57121.D BLK	104670	4.59	82953	6.43	51552	7.85						
1M57122.D AC51448-001	92216	4.59	69476	6.43	43065	7.85						
1M57123.D AC51448-002	91583	4.60	68080	6.43	38063	7.85						
1M57124.D AC51448-003	98061	4.59	75925	6.43	48143	7.85						
1M57125.D AC51387-006	69982	4.59	48088 A	6.43	25362 A	7.85						
1M57126.D AC51387-002	70697	4.59	53686	6.43	30507 A	7.85						
1M57127.D MBS15994	90424	4.59	73669	6.43	50112	7.85						
1M57128.D AC51448-001	102607	4.58	78462	6.43	48776	7.85						
1M57129.D AC51448-001	113334	4.60	86505	6.43	56694	7.85						
1M57130.D AC51456-005	78978	4.59	48248 A	6.43	15274 A	7.85						
1M57131.D AC51456-002	70324	4.59	48326 A	6.43	19907 A	7.85						
1M57132.D AC51456-001	91015	4.59	65505	6.43	34218	7.85						
1M57133.D AC51448-005	96093	4.58	78709	6.43	49514	7.84						
1M57134.D AC51455-014	84589	4.58	59817	6.43	36820	7.85						
1M57135.D AC51455-019	99414	4.58	75196	6.43	49456	7.85						
1M57136.D AC51455-020	85838	4.59	61659	6.43	30178 A	7.85						
1M57137.D AC51455-022	88094	4.59	70862	6.43	45177	7.85						
1M57138.D BLK	99669	4.58	75069	6.43	50306	7.85						
1M57139.D BLK	78917	4.59	64744	6.42	43360	7.85						
1M57140.D BLK	92993	4.58	75134	6.43	44065	7.85						
1M57141.D BLK	79904	4.59	65376	6.42	42924	7.85						

I1 = Fluorobenzene
 I2 = Chlorobenzene-d5
 I3 = 1,4-Dichlorobenzene-d4

I4 =
 I5 =
 I6 =

625/8270 Internal Standard concentration = 40 mg/L (in final extract)
 624/8260 Internal Standard concentration = 30ug/L
 524 Internal Standard concentration = 5ug/L

QC Limits:**Internal Standard Areas**

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Retention Times:

Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

GC/MS Volatile Data
Sample Data

Form1
ORGANICS VOLATILE REPORT

Sample Number: AC51387-001
Client Id: PI-01-TP-RAU4042910SS0
Data File: 1M57059.D
Analysis Date: 05/07/10 11:07
Date Rec/Extracted: 05/03/10-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Soil
Initial Vol: 5.06g
Final Vol: NA
Dilution: 0.988
Solids: 36

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.014	U	56-23-5	Carbon Tetrachloride	0.014	U
79-34-5	1,1,2,2-Tetrachloroethane	0.014	U	108-90-7	Chlorobenzene	0.014	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.014	U	75-00-3	Chloroethane	0.014	U
79-00-5	1,1,2-Trichloroethane	0.014	U	67-66-3	Chloroform	0.014	U
75-34-3	1,1-Dichloroethane	0.014	U	74-87-3	Chloromethane	0.014	U
75-35-4	1,1-Dichloroethene	0.014	U	156-59-2	cis-1,2-Dichloroethene	0.014	U
96-18-4	1,2,3-Trichloropropane	0.014	U	10061-01-5	cis-1,3-Dichloropropene	0.014	U
95-63-6	1,2,4-Trimethylbenzene	0.0027	0.014	124-48-1	Dibromochloromethane	0.014	U
95-50-1	1,2-Dichlorobenzene	0.014	U	75-71-8	Dichlorodifluoromethane	0.014	U
107-06-2	1,2-Dichloroethane	0.014	U	100-41-4	Ethylbenzene	0.0027	U
78-87-5	1,2-Dichloropropane	0.014	U	98-82-8	Isopropylbenzene	0.0027	0.010
108-67-8	1,3,5-Trimethylbenzene	0.0027	0.015	136777612	m&p-Xylenes	0.0027	0.0043
541-73-1	1,3-Dichlorobenzene	0.014	U	75-09-2	Methylene Chloride	0.014	U
142-28-9	1,3-Dichloropropane	0.014	U	1634-04-4	Methyl-t-butyl ether	0.0027	U
106-46-7	1,4-Dichlorobenzene	0.014	U	104-51-8	n-Butylbenzene	0.0027	0.022
123-91-1	1,4-Dioxane	0.69	U	103-65-1	n-Propylbenzene	0.0027	0.010
78-93-3	2-Butanone	0.014	U	95-47-6	o-Xylene	0.0027	0.0047
110-75-8	2-Chloroethylvinylether	0.014	U	135-98-8	sec-Butylbenzene	0.0027	0.0046
591-78-6	2-Hexanone	0.014	U	100-42-5	Styrene	0.014	U
99-87-6	4-Isopropyltoluene	0.0027	0.071	75-65-0	t-Butyl Alcohol	0.069	U
108-10-1	4-Methyl-2-Pentanone	0.014	U	98-06-6	t-Butylbenzene	0.0027	U
67-64-1	Acetone	0.069	0.10	127-18-4	Tetrachloroethene	0.014	U
107-02-8	Acrolein	0.069	U	108-88-3	Toluene	0.0027	U
107-13-1	Acrylonitrile	0.014	U	156-60-5	trans-1,2-Dichloroethene	0.014	U
71-43-2	Benzene	0.0027	U	10061-02-6	trans-1,3-Dichloropropene	0.014	U
75-27-4	Bromodichloromethane	0.014	U	79-01-6	Trichloroethene	0.014	U
75-25-2	Bromoform	0.014	U	75-69-4	Trichlorofluoromethane	0.014	U
74-83-9	Bromomethane	0.014	U	75-01-4	Vinyl Chloride	0.014	U
75-15-0	Carbon Disulfide	0.014	U	1330-20-7	Xylenes (Total)	0.0027	0.009

Worksheet #: 151241

Total Target Concentration 0.26

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.

R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.

Form1eORGANICS VOLATILE REPORT
Tentatively Identified Compounds

Sample Number: AC51387-001	Matrix: Soil
Client Id: PI-01-TP-RAU4042910	Initial Vol: 5.06g
Data File: 1M57059.D	Final Vol: NA
Analysis Date: 05/07/10 11:07	Dilution: 0.988
Date Rec/Extracted: 05/03/10-NA	Solids: 36
	Method: EPA 8260B

Units: mg/Kg

	Cas #	Compound	RT	Conc
1		unknown	6.96	0.086 J
2	29350-67-2	Cyclohexene, 1-methyl-4-(1-methylethyl)	7.79	0.094 J
3	1758-88-9	Benzene, 2-ethyl-1,4-dimethyl-	8.30	0.085 J
4	767-58-8	1H-Indene, 2,3-dihydro-1-methyl-	8.40	0.20 J
5	2958-76-1	Naphthalene, decahydro-2-methyl-	8.53	0.096 J
6	488-23-3	Benzene, 1,2,3,4-tetramethyl-	8.88	0.28 J
7	17057-82-8	1H-Indene, 2,3-dihydro-1,2-dimethyl-	9.10	0.14 J
8	4175-53-5	1H-Indene, 2,3-dihydro-1,3-dimethyl-	9.21	0.18 J
9		unknown	9.42	0.10 J
10	1685-82-1	1H-Indene, 2,3-dihydro-4,6-dimethyl-	9.68	0.085 J

Worksheet #: 151241

Total Tentatively Identified Concentration 1.3*A - Indicates an aldol condensate.**J - Indicates an estimated value.**B - Indicates the analyte was found in the blank as well as in the sample.**Y - Indicates the analyte was found in the blank at <10% of the concentration of the sample.**<10% - Indicates the analyte was found in the blank at < 10% of nearest Internal Standard*

Quantitation Report (QT/LSC Reviewed)

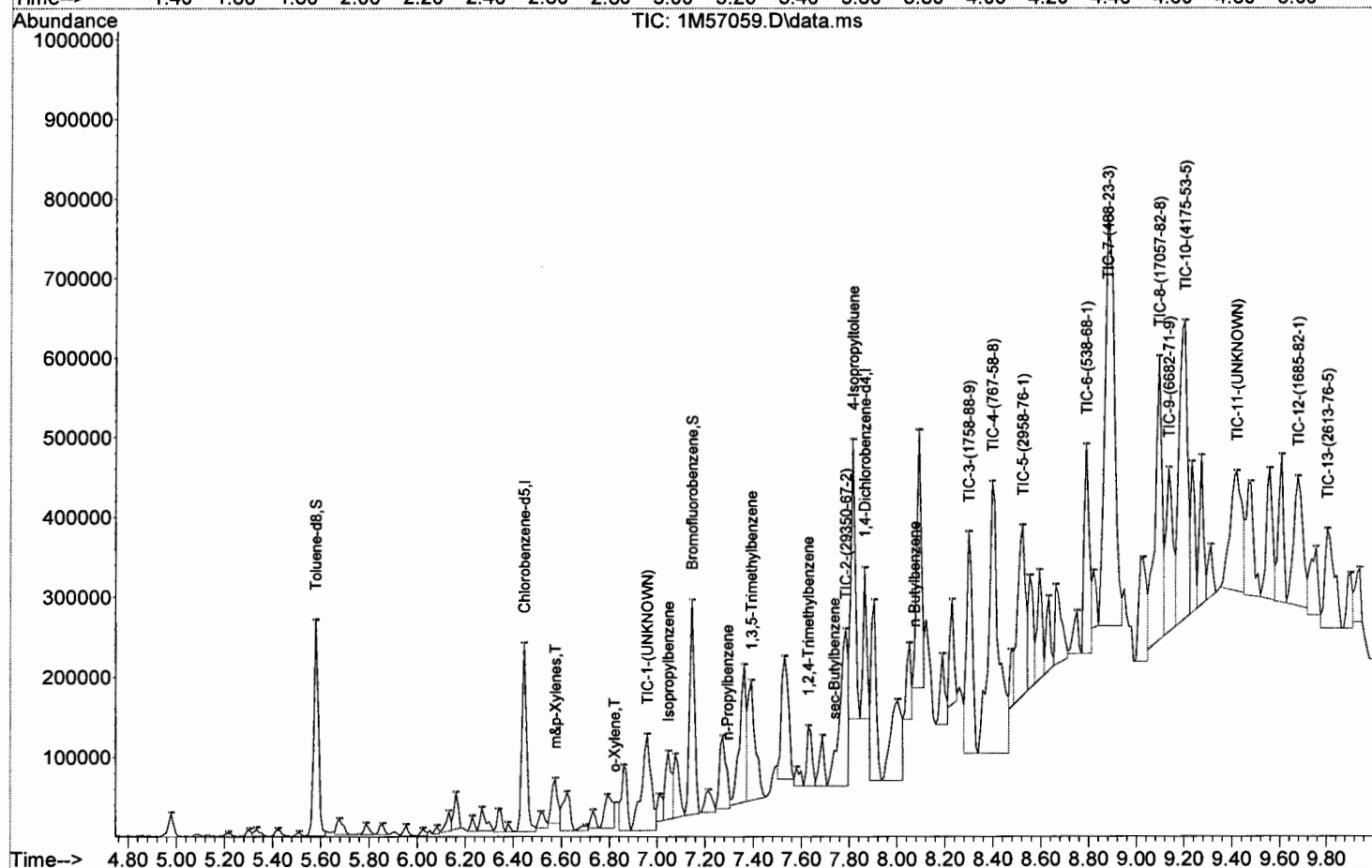
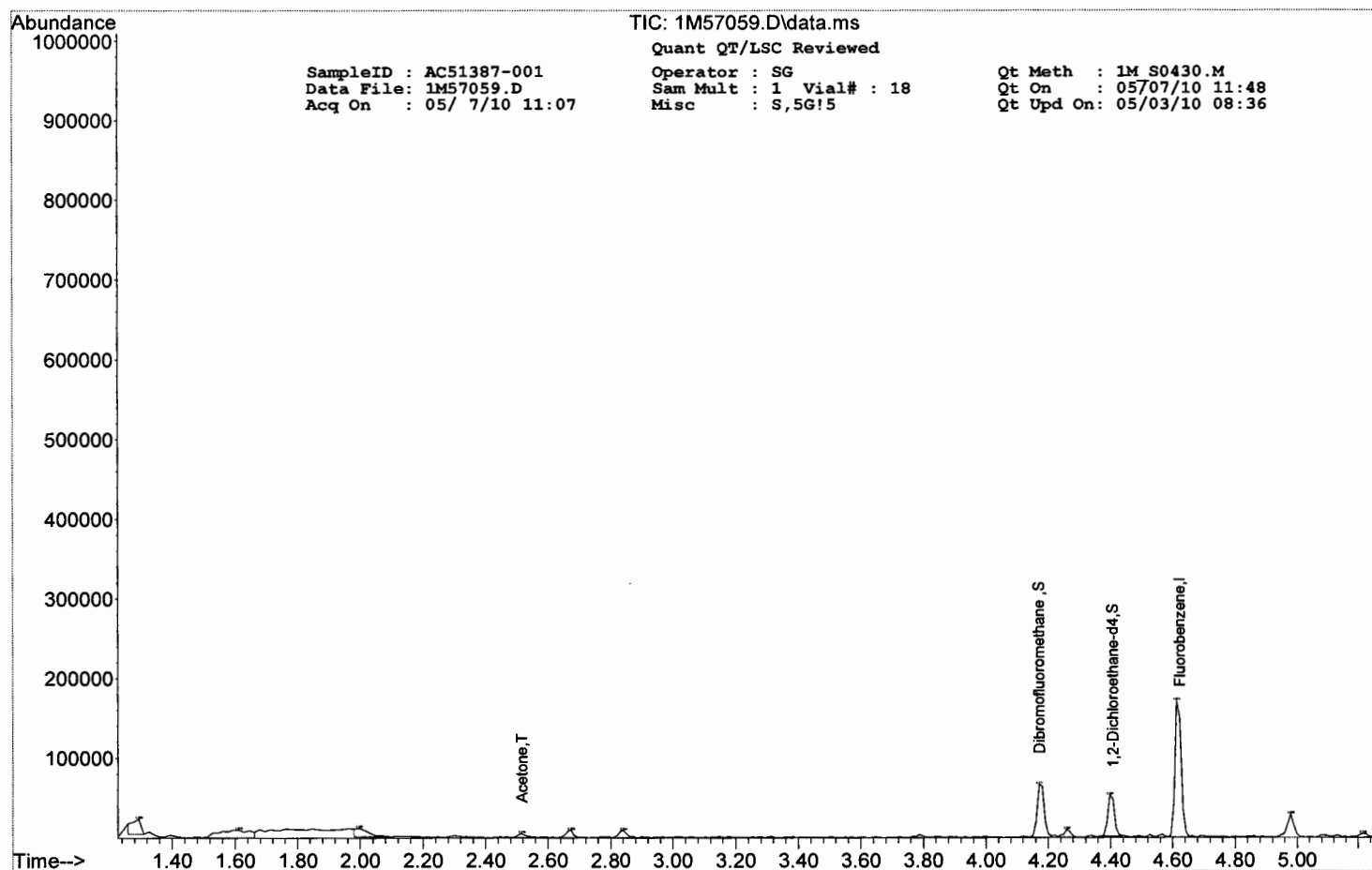
SampleID : AC51387-001 Operator : SG Qt Meth : 1M_S0430.M
 Data File: 1M57059.D Sam Mult : 1 Vial# : 18 Qt On : 05/07/10 11:48
 Acq On : 05/ 7/10 11:07 Misc : S,5G!5 Qt Upd On: 05/03/10 08:36

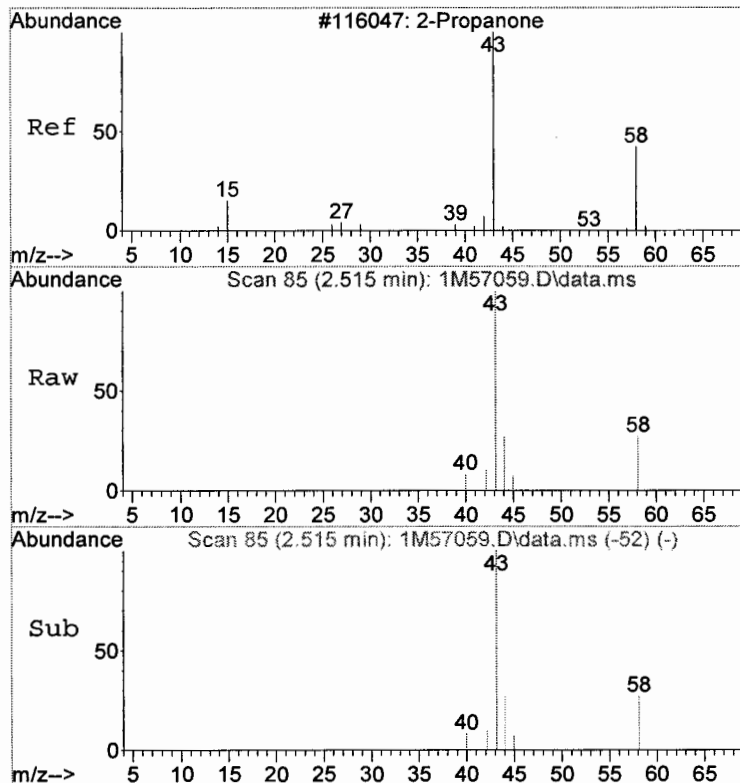
Data Path : G:\GcMsData\2010\GCMS_1\Data\05-07-10\
 Qt Path : G:\GcMsData\2010\GCMS_1\MethodQt\
 Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.624	96	95263	30.00	ug/l	0.02
48) Chlorobenzene-d5	6.447	117	93099	30.00	ug/l	0.01
63) 1,4-Dichlorobenzene-d4	7.865	152	63156	30.00	ug/l	0.01
System Monitoring Compounds						
33) Dibromofluoromethane	4.171	111	29092	34.99	ug/l	0.01
Spiked Amount 30.000			Recovery =	116.63%		
35) 1,2-Dichloroethane-d4	4.407	102	5308	32.63	ug/l	0.02
Spiked Amount 30.000			Recovery =	108.77%		
59) Toluene-d8	5.580	100	73501	26.90	ug/l	0.01
Spiked Amount 30.000			Recovery =	89.67%		
67) Bromofluorobenzene	7.146	174	58873	30.86	ug/l	0.01
Spiked Amount 30.000			Recovery =	102.87%		
Target Compounds						
17) Acetone	2.515	43	5895	37.65	ug/l	96
69) m&p-Xylenes	6.575	106	4114	1.56	ug/l	46
70) o-Xylene	6.821	106	4361	1.71	ug/l	99
75) Isopropylbenzene	7.048	105	25966	3.64	ug/l	93
81) n-Propylbenzene	7.294	91	33165	3.66	ug/l	100
83) 1,3,5-Trimethylbenzene	7.392	105	32180	5.35	ug/l	90
85) 1,2,4-Trimethylbenzene	7.629	105	30141	5.01	ug/l	85
86) sec-Butylbenzene	7.737	105	12932	1.69	ug/l	88
87) 4-Isopropyltoluene	7.816	119	158915m	26.00	ug/l	
88) n-Butylbenzene	8.072	91	60037	7.95	ug/l	94
Library Search Internal Standards TIC Results						
1) Fluorobenzene	4.614		241445	30.00	ug/l	--
2) Chlorobenzene-d5	6.447		326283	30.00	ug/l	--
3) 1,4-Dichlorobenzene-d4	7.865		430942m	30.00	ug/l	--
Library Search Compounds						
1) UNKNOWN	6.960		340327	31.29	ug/l	--
2) 29350-67-2	7.790		492358	34.28	ug/l	80
3) 1758-88-9	8.300		445131	30.99	ug/l	87
4) 767-58-8	8.400		1024418	71.31	ug/l	64
5) 2958-76-1	8.530		504353	35.11	ug/l	83
6) 538-68-1	8.790		401429	27.95	ug/l	58
7) 488-23-3	8.880		1445595	100.64	ug/l	58
8) 17057-82-8	9.100		742366	51.68	ug/l	89
9) 6682-71-9	9.140		416995	29.03	ug/l	49
10) 4175-53-5	9.210		918802	63.96	ug/l	91
11) UNKNOWN	9.420		526554	36.66	ug/l	--
12) 1685-82-1	9.680		447175	31.13	ug/l	94
13) 2613-76-5	9.810		349958	24.36	ug/l	81

(#) = qualifier out of range (m) = manual integration (+) = signals summed

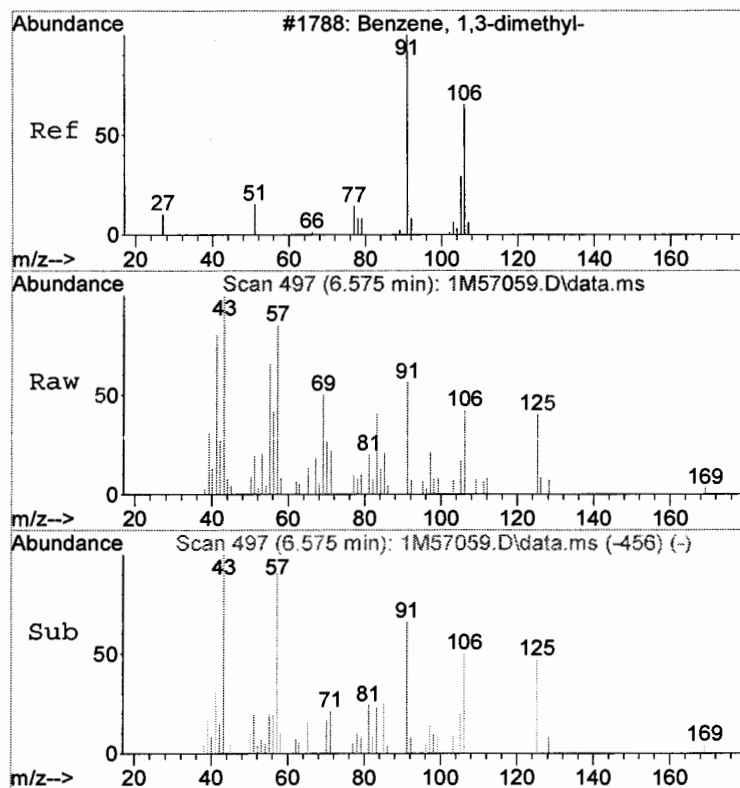
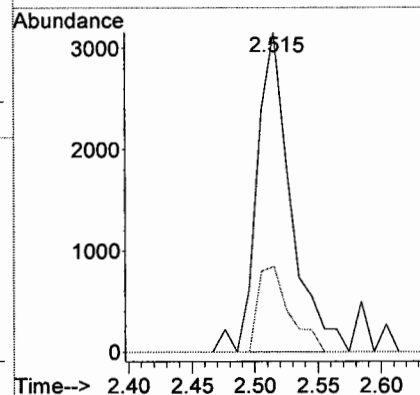
16





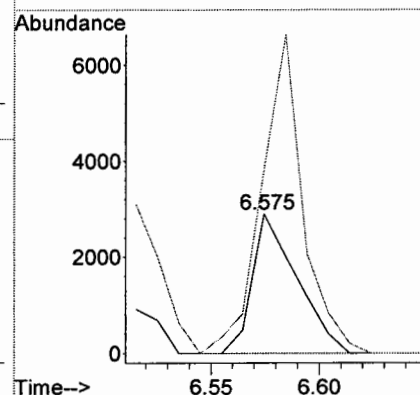
#17
Acetone
Concen: 37.65 ug/l
RT: 2.515 min Scan# 85
Delta R.T. 0.040 min
Lab File: 1M57059.D
Acq: 7 May 2010 11:07

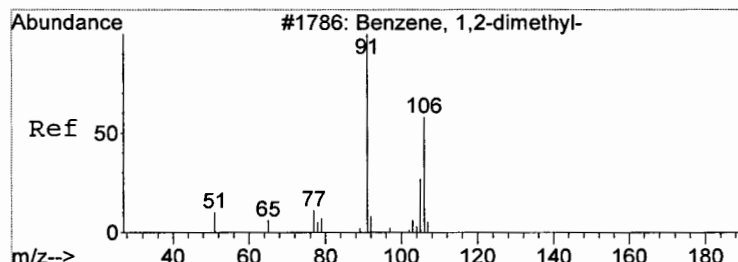
Tgt Ion: 43 Resp: 5895
Ion Ratio Lower Upper
43 100
58 26.8 0.0 64.8



#69
m&p-Xylenes
Concen: 1.56 ug/l
RT: 6.575 min Scan# 497
Delta R.T. 0.000 min
Lab File: 1M57059.D
Acq: 7 May 2010 11:07

Tgt Ion: 106 Resp: 4114
Ion Ratio Lower Upper
106 100
91 132.6 132.0 308.0





#70

o-Xylene

Concen: 1.71 ug/l

RT: 6.821 min Scan# 522

Delta R.T. 0.000 min

Lab File: 1M57059.D

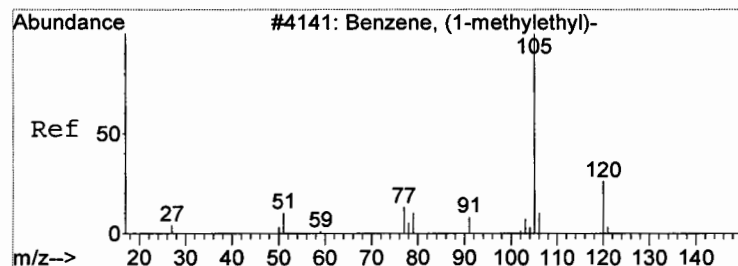
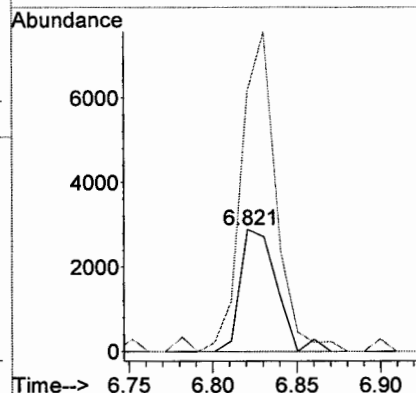
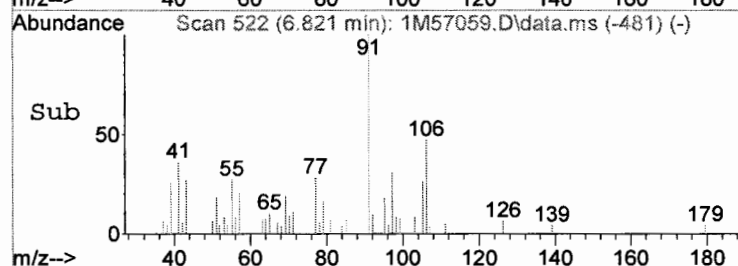
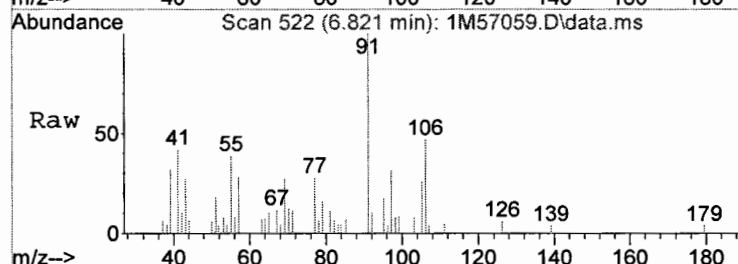
Acq: 7 May 2010 11:07

Tgt Ion:106 Resp: 4361

Ion Ratio Lower Upper

106 100

91 213.3 129.1 301.1



#75

Isopropylbenzene

Concen: 3.64 ug/l

RT: 7.048 min Scan# 545

Delta R.T. 0.010 min

Lab File: 1M57059.D

Acq: 7 May 2010 11:07

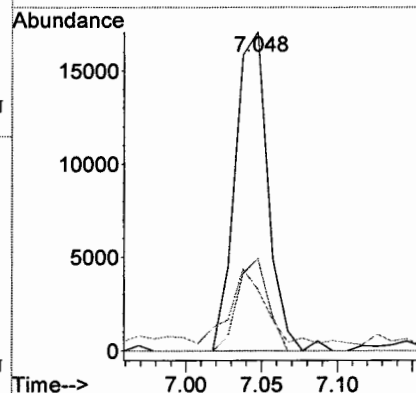
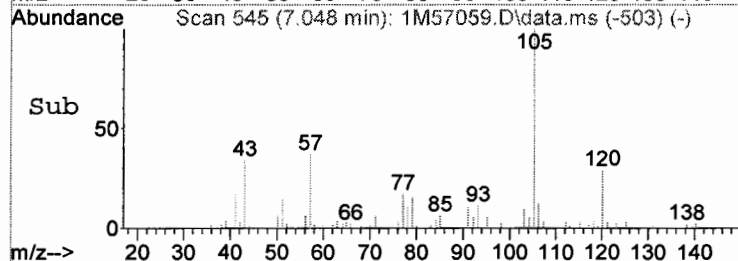
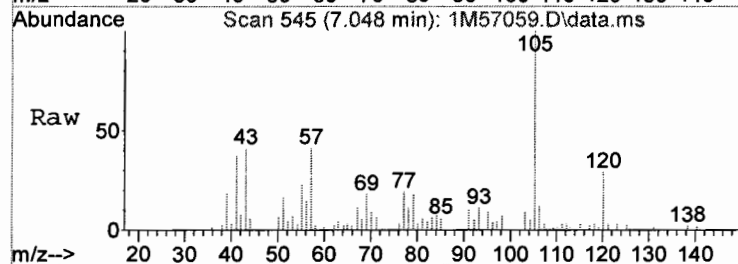
Tgt Ion:105 Resp: 25966

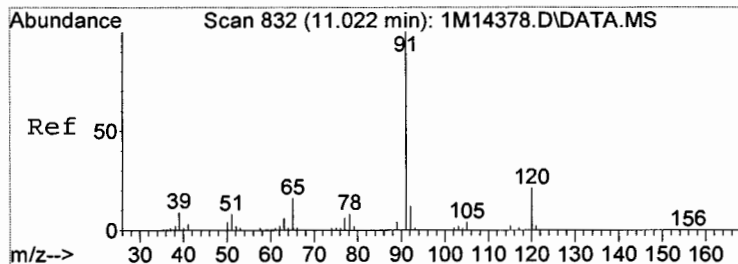
Ion Ratio Lower Upper

105 100

120 26.6 0.0 66.9

77 25.7 0.0 58.3





#81

n-Propylbenzene

Concen: 3.66 ug/l

RT: 7.294 min Scan# 570

Delta R.T. 0.011 min

Lab File: 1M57059.D

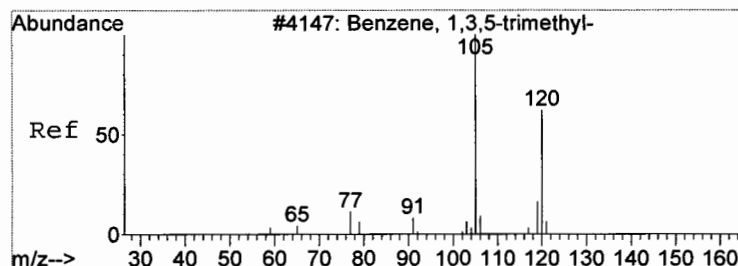
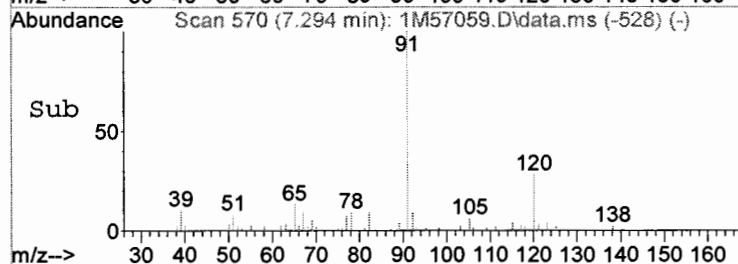
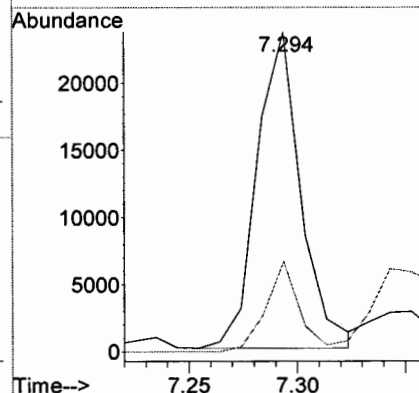
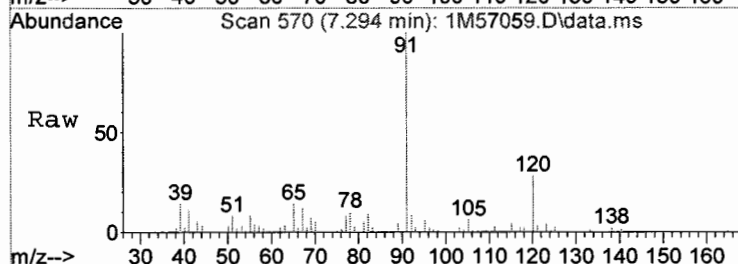
Acq: 7 May 2010 11:07

Tgt Ion: 91 Resp: 33165

Ion Ratio Lower Upper

91 100

120 21.4 0.0 61.6



#83

1,3,5-Trimethylbenzene

Concen: 5.35 ug/l

RT: 7.392 min Scan# 580

Delta R.T. 0.010 min

Lab File: 1M57059.D

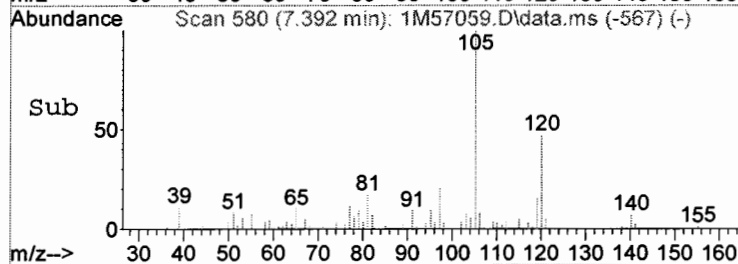
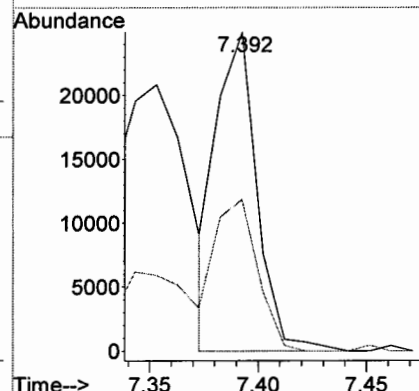
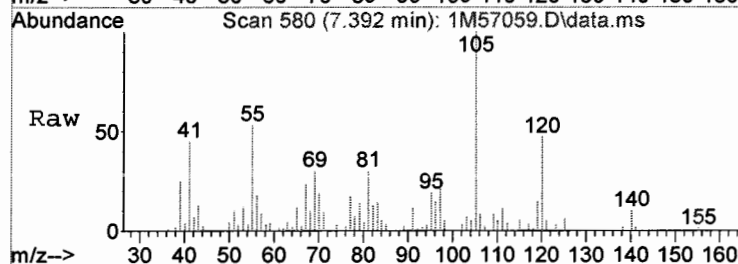
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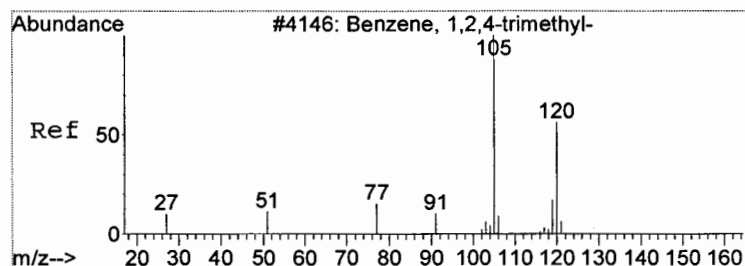
Tgt Ion: 105 Resp: 32180

Ion Ratio Lower Upper

105 100

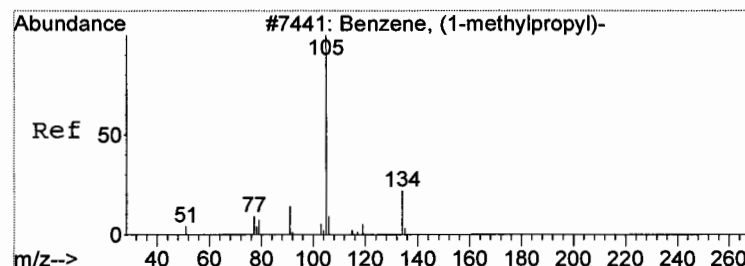
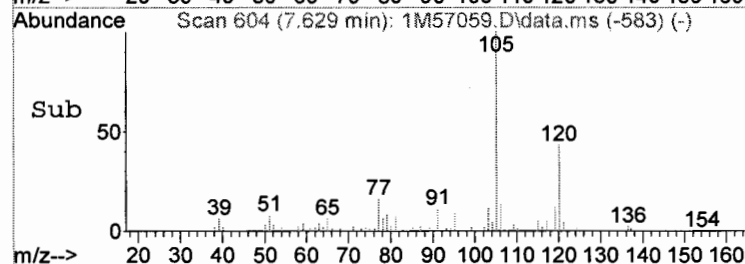
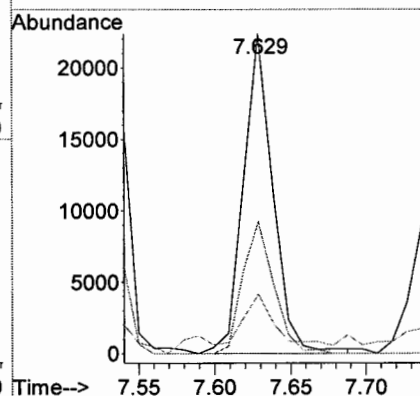
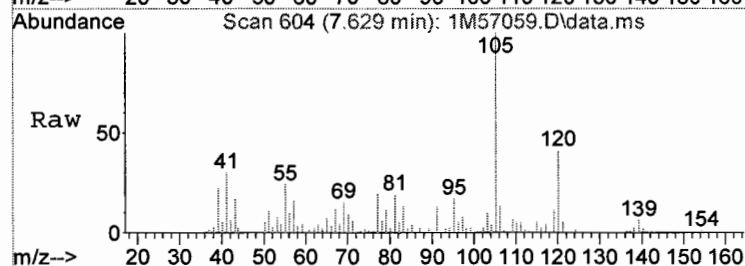
120 50.2 0.0 94.0





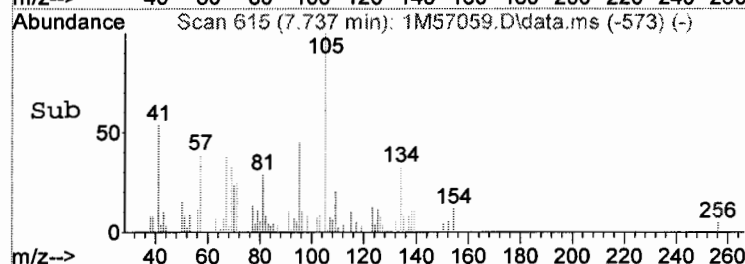
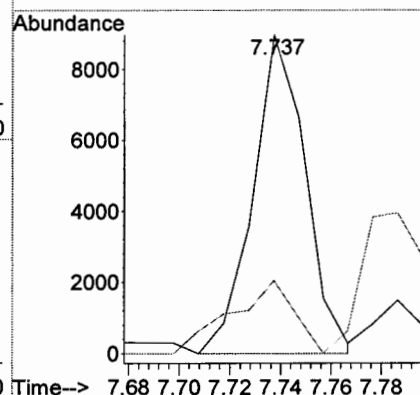
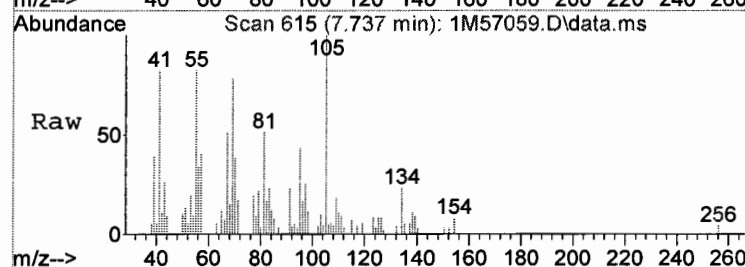
#85
1,2,4-Trimethylbenzene
Concen: 5.01 ug/l
RT: 7.629 min Scan# 604
Delta R.T. 0.010 min
Lab File: 1M57059.D
Acq: 7 May 2010 11:07

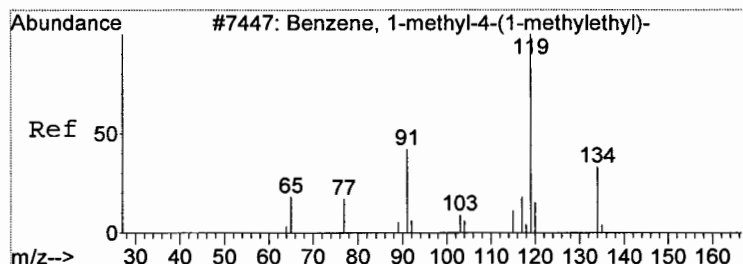
Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.5	12.2	92.2
77	14.9	0.0	66.0



#86
sec-Butylbenzene
Concen: 1.69 ug/l
RT: 7.737 min Scan# 615
Delta R.T. 0.010 min
Lab File: 1M57059.D
Acq: 7 May 2010 11:07

Tgt Ion	Ratio	Lower	Upper
105	100		
134	27.5	0.0	61.8





#87

4-Isopropyltoluene

Concen: 26.00 ug/l m

RT: 7.816 min Scan# 623

Delta R.T. 0.010 min

Lab File: 1M57059.D

Acq: 7 May 2010 11:07

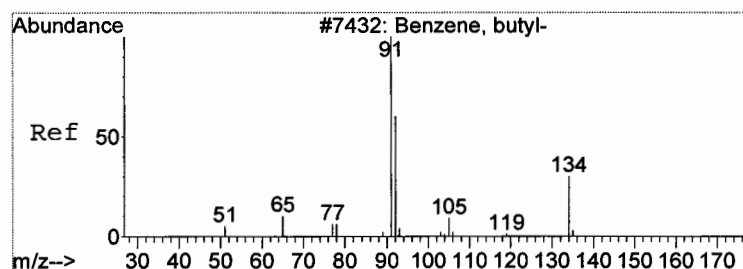
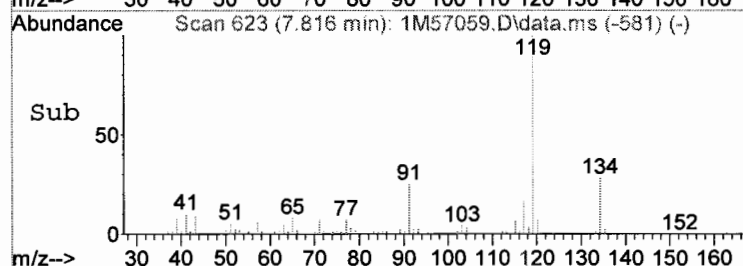
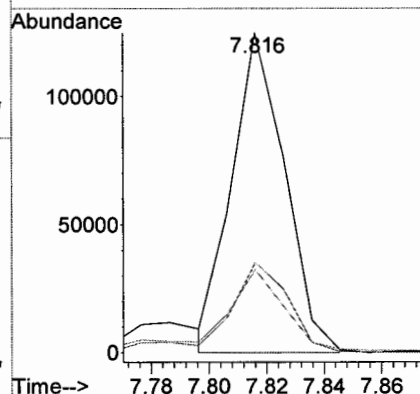
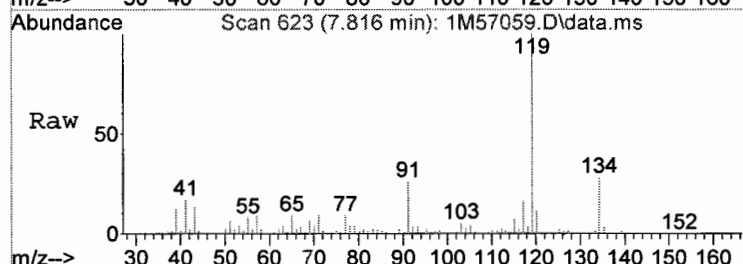
Tgt Ion: 119 Resp: 158915

Ion Ratio Lower Upper

119 100

134 33.1 0.0 66.7

91 29.8 0.0 66.3



#88

n-Butylbenzene

Concen: 7.95 ug/l

RT: 8.072 min Scan# 649

Delta R.T. 0.000 min

Lab File: 1M57059.D

Acq: 7 May 2010 11:07

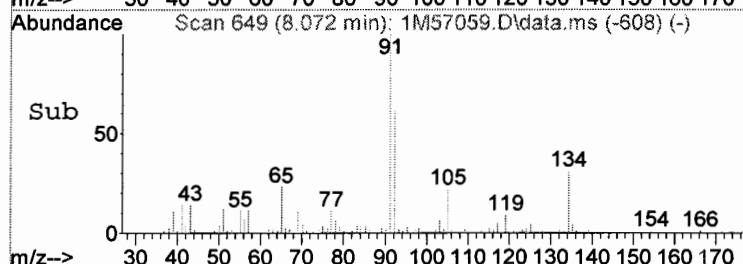
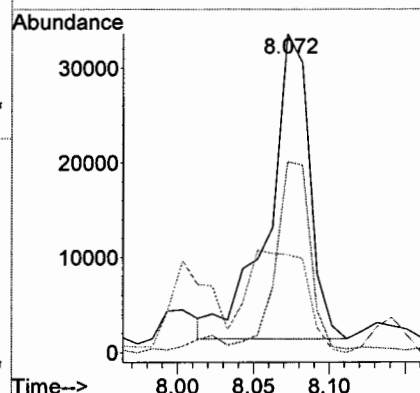
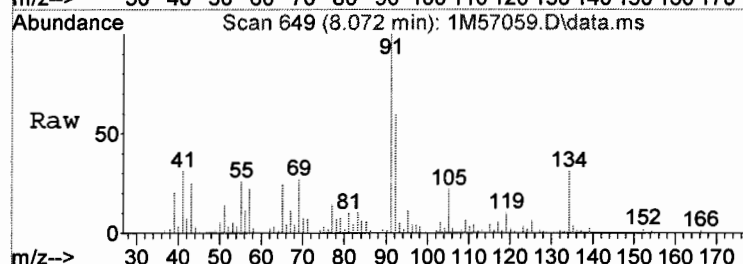
Tgt Ion: 91 Resp: 60037

Ion Ratio Lower Upper

91 100

92 51.6 8.4 88.4

134 48.8 3.6 83.6



LSC Area Percent Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-07-10\
 Data File : 1M57059.D
 Acq On : 7 May 2010 11:07
 Operator : SG
 Sample : AC51387-001
 Misc : S,5G!5
 ALS Vial : 18 Sample Multiplier: 1

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 1000 Area counts

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0430.M

Title : @GCMS_1,ug,624,8260

Signal : TIC: 1M57059.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.293	3	5	6	rVB	18389	33297	2.30%	0.190%
2	1.612	17	24	27	rBV6	9695	67550	4.67%	0.385%
3	1.997	46	47	53	rVB3	10568	26925	1.86%	0.153%
4	2.515	82	85	90	rVB2	4733	8079	0.56%	0.046%
5	2.673	96	101	107	rBV	9034	17431	1.21%	0.099%
6	2.841	114	118	122	rVB2	8887	16577	1.15%	0.094%
7	4.171	250	253	257	rBV	65847	102863	7.12%	0.586%
8	4.259	259	262	265	rVB	9586	14339	0.99%	0.082%
9	4.397	273	276	280	rBV	51415	75969	5.26%	0.433%
10	4.614	295	298	302	rBV	170960	240019	16.60%	1.368%
11	4.979	330	335	340	rVB2	28966	45648	3.16%	0.260%
12	5.215	357	359	363	rVB2	4178	7573	0.52%	0.043%
13	5.304	365	368	369	rBV2	7814	11472	0.79%	0.065%
14	5.333	369	371	376	rVB3	9035	15073	1.04%	0.086%
15	5.422	376	380	386	rVB2	8692	15705	1.09%	0.089%
16	5.511	386	389	391	rBV	4337	6524	0.45%	0.037%
17	5.580	392	396	400	rBV	268359	352037	24.35%	2.006%
18	5.678	404	406	411	rVB3	18814	36572	2.53%	0.208%
19	5.786	415	417	421	rVB3	13210	18416	1.27%	0.105%
20	5.855	421	424	427	rVB4	12613	18917	1.31%	0.108%
21	5.954	431	434	438	rVB2	12986	17386	1.20%	0.099%
22	6.023	438	441	443	rBV2	8255	13482	0.93%	0.077%
23	6.082	445	447	448	rBV2	9015	10703	0.74%	0.061%
24	6.131	448	452	453	rVV3	24644	34069	2.36%	0.194%
25	6.161	453	455	457	rVB	43886	54866	3.80%	0.313%
26	6.230	460	462	464	rBV	18327	20551	1.42%	0.117%
27	6.269	464	466	471	rVB3	28234	47245	3.27%	0.269%
28	6.338	471	473	476	rVB2	27482	39985	2.77%	0.228%
29	6.378	476	477	481	rBV3	10415	10556	0.73%	0.060%
30	6.447	481	484	489	rBV	234612	328164	22.70%	1.870%
31	6.515	489	491	494	rBV2	19116	36239	2.51%	0.206%
32	6.575	494	497	499	rBV2	54932	97725	6.76%	0.557%
33	6.624	499	502	505	rVB3	47844	100686	6.97%	0.574%
34	6.703	505	510	511	rBV4	5878	14965	1.04%	0.085%
35	6.732	511	513	516	rVB2	21109	28187	1.95%	0.161%

LSC Area Percent Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-07-10\
 Data File : 1M57059.D
 Acq On : 7 May 2010 11:07
 Operator : SG
 Sample : AC51387-001
 Misc : S,5G!5
 ALS Vial : 18 Sample Multiplier: 1

Integration Parameters: RTEINT.P
 Integrator: RTE
 Smoothing : ON
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0
 Filtering: 5
 Min Area: 1000 Area counts
 Max Peaks: 100
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0430.M
 Title : @GCMS_1,ug,624,8260

36	6.791	516	519	522	rBV4	40559	105963	7.33%	0.604%
37	6.860	524	526	529	rVB	81027	127252	8.80%	0.725%
38	6.959	529	536	540	rBV3	119311	340327	23.54%	1.939%
39	7.008	540	541	543	rVV2	33012	53646	3.71%	0.306%
40	7.048	543	545	547	rVV2	83983	156134	10.80%	0.890%
41	7.077	547	548	552	rVV2	77292	116365	8.05%	0.663%
42	7.146	552	555	558	rVV2	266888	375302	25.96%	2.138%
43	7.215	558	562	565	rBV5	26953	59650	4.13%	0.340%
44	7.274	565	568	571	rBV3	89633	179731	12.43%	1.024%
45	7.363	571	577	578	rVV2	170470	338755	23.43%	1.930%
46	7.392	578	580	586	rVB4	145504	299860	20.74%	1.709%
47	7.530	591	594	598	rVB2	152248	312374	21.61%	1.780%
48	7.580	598	599	602	rVB3	21940	32496	2.25%	0.185%
49	7.629	602	604	607	rBV2	73497	114247	7.90%	0.651%
50	7.688	607	610	612	rVB3	61447	81557	5.64%	0.465%
51	7.786	612	620	621	rBV4	194855	492358	34.06%	2.805%
52	7.816	621	623	626	rVB	347883	433839	30.01%	2.472%
53	7.865	626	628	630	rBV	187607	197436	13.66%	1.125%
54	7.905	630	632	635	rVB2	224616	312570	21.62%	1.781%
55	8.003	635	642	644	rBV5	99764	337719	23.36%	1.924%
56	8.052	644	647	648	rBV2	93906	126162	8.73%	0.719%
57	8.092	648	651	653	rBV2	321827	445525	30.82%	2.539%
58	8.190	658	661	663	rBV	87141	127561	8.82%	0.727%
59	8.230	663	665	667	rVV	127263	162221	11.22%	0.924%
60	8.299	670	672	676	rVB2	275744	445131	30.79%	2.536%
61	8.397	676	682	689	rBV	338520	1024418	70.86%	5.837%
62	8.476	689	690	691	rVV	71906	83238	5.76%	0.474%
63	8.525	691	695	697	rVV4	216991	504353	34.89%	2.874%
64	8.555	697	698	700	rVV	139720	186379	12.89%	1.062%
65	8.594	700	702	704	rVV	135656	190890	13.20%	1.088%
66	8.634	704	706	708	rVV2	90676	116854	8.08%	0.666%
67	8.663	708	709	714	rVV3	94505	189387	13.10%	1.079%
68	8.752	714	718	720	rVB3	51925	74433	5.15%	0.424%
69	8.791	720	722	724	rBV2	260551	401429	27.77%	2.287%
70	8.821	724	725	727	rVB2	68528	73271	5.07%	0.417%
71	8.880	727	731	737	rBV3	513086	1445595	100.00%	8.237%
72	9.028	742	746	748	rBV4	128553	307207	21.25%	1.750%
73	9.097	748	753	755	rVV2	361038	742366	51.35%	4.230%
74	9.136	755	757	760	rVV3	204062	416995	28.85%	2.376%
75	9.205	760	764	766	rVV2	373023	918802	63.56%	5.235%

LSC Area Percent Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-07-10\
 Data File : 1M57059.D
 Acq On : 7 May 2010 11:07
 Operator : SG
 Sample : AC51387-001
 Misc : S,5G!5
 ALS Vial : 18 Sample Multiplier: 1

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 1000 Area counts

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0430.M

Title : @GCMS_1,ug,624,8260

76	9.235	766	767	769 rVV2	184783	212915	14.73%	1.213%
77	9.274	769	771	773 rVV	182399	232223	16.06%	1.323%
78	9.314	773	775	777 rVB3	59731	84822	5.87%	0.483%
79	9.422	779	786	789 rBV8	145064	526554	36.42%	3.000%
80	9.481	789	792	796 rVV3	141156	298706	20.66%	1.702%
81	9.560	796	800	802 rVV3	161513	294909	20.40%	1.680%
82	9.609	802	805	807 rVV3	183516	264927	18.33%	1.510%
83	9.678	807	812	816 rVV3	161057	447175	30.93%	2.548%
84	9.757	816	820	822 rVB5	83781	185309	12.82%	1.056%
85	9.806	822	825	832 rVB6	123532	349958	24.21%	1.994%
86	9.905	832	835	836 rBV3	67857	116739	8.08%	0.665%
87	9.944	836	839	840 rVB2	66400	100511	6.95%	0.573%

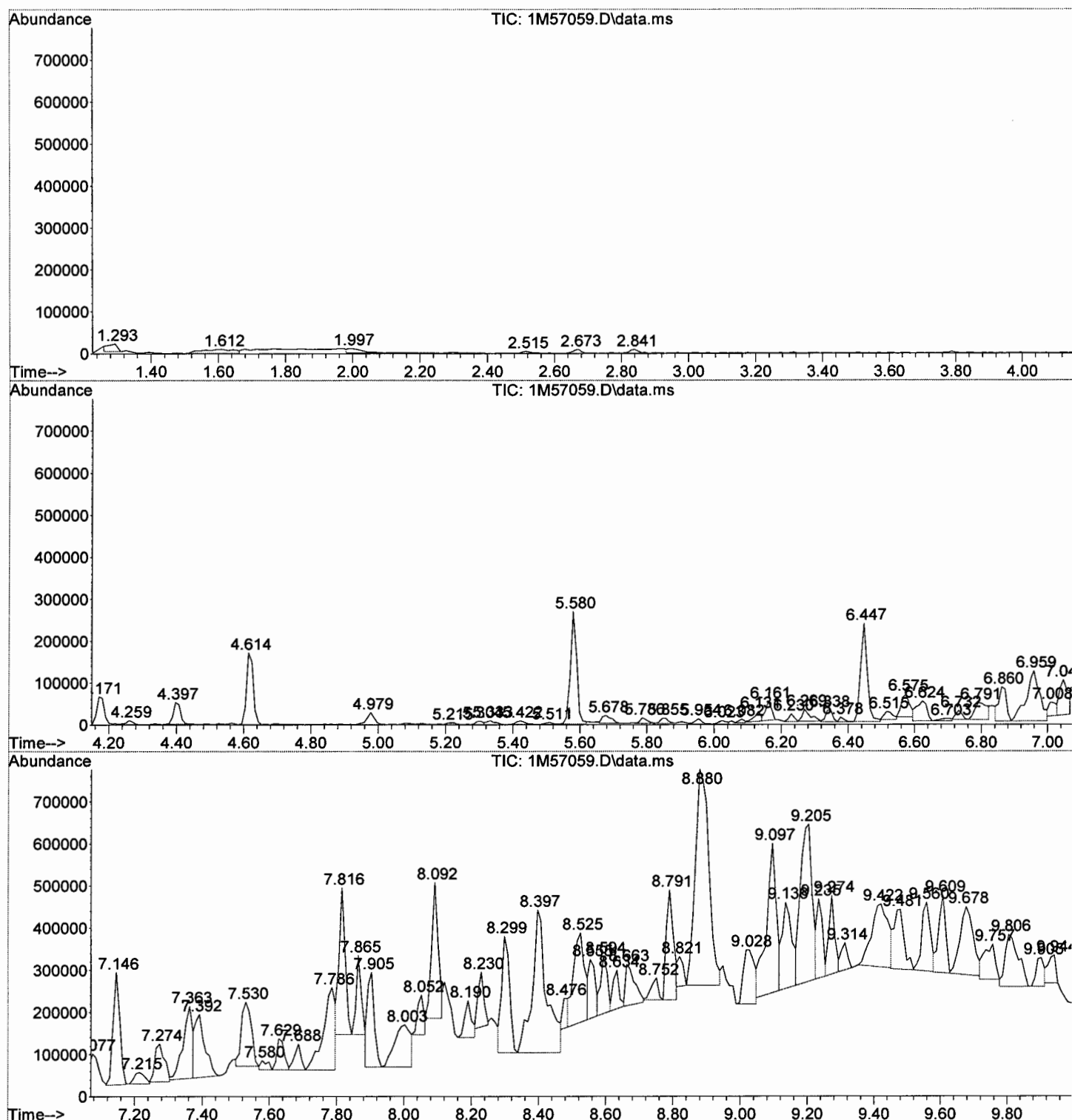
Sum of corrected areas: 17550341

LSC Report - Integrated Chromatogram

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-07-10\
Data File : 1M57059.D
Acq On : 7 May 2010 11:07
Operator : SG
Sample : AC51387-001
Misc : S,5G!5
ALS Vial : 18 Sample Multiplier: 1

Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0430.M
Quant Title : @GCMS_1,ug,624,8260

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-07-10\
 Data File : 1M57059.D
 Acq On : 7 May 2010 11:07
 Operator : SG
 Sample : AC51387-001
 Misc : S,5G!5
 ALS Vial : 18 Sample Multiplier: 1

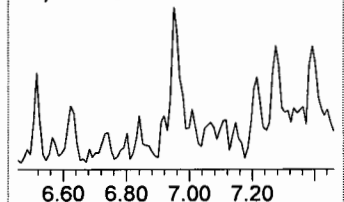
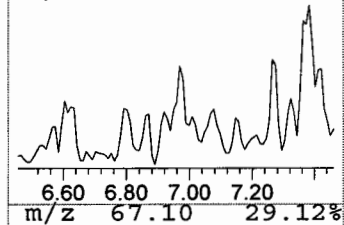
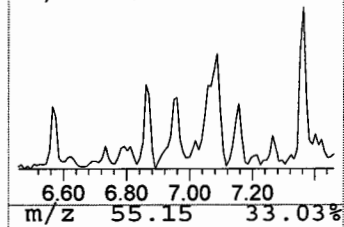
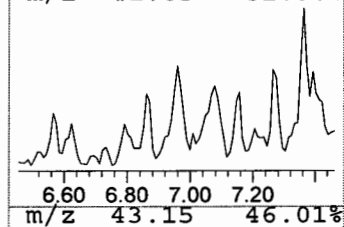
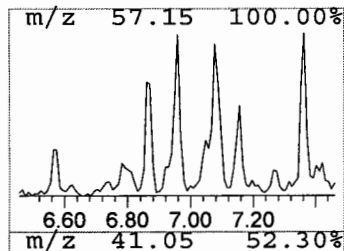
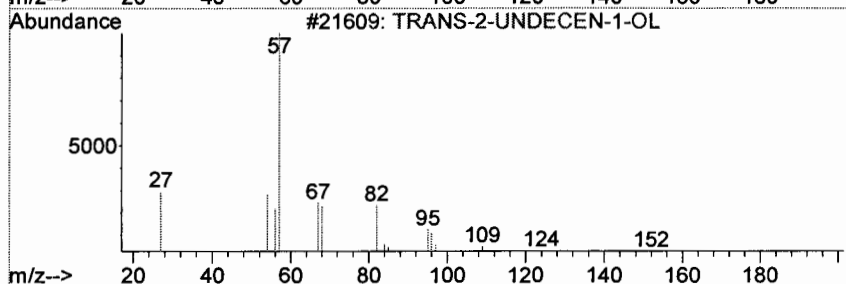
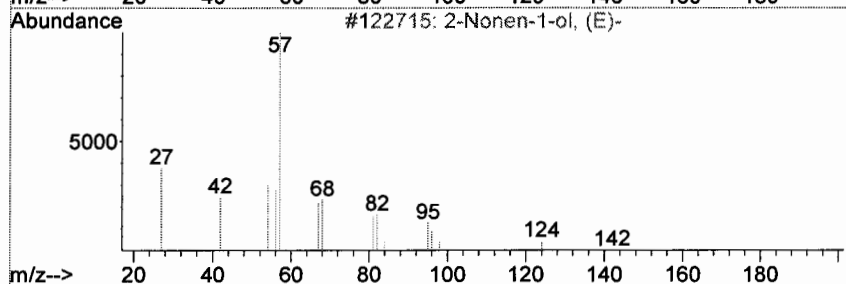
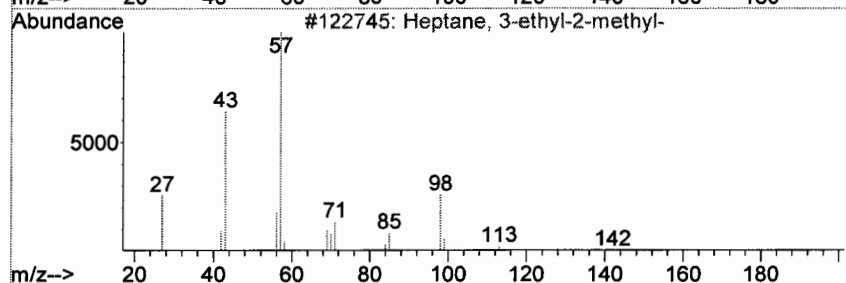
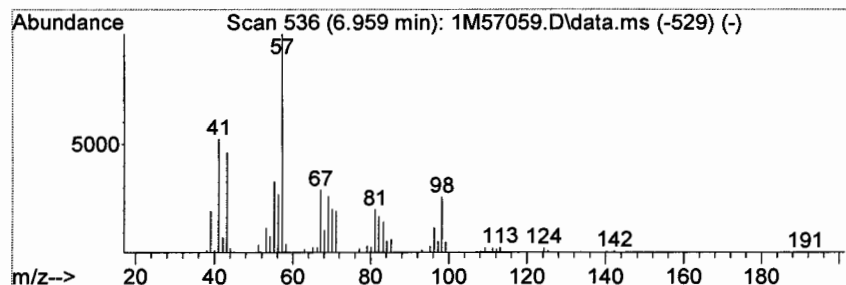
Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0430.M
 Quant Title : @GCMS_1,ug,624,8260

TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 1 unknown Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.96	31.29 ug/l	340327	LibIS-Chlorobenzene-d5	6.45

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	35
2		2-Nonen-1-ol, (E)-	142	C9H18O	031502-14-4	32
3		TRANS-2-UNDECEN-1-OL	170	C11H22O	000000-00-0	12
4		1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	32
5		1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	25



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-07-10\
 Data File : 1M57059.D
 Acq On : 7 May 2010 11:07
 Operator : SG
 Sample : AC51387-001
 Misc : S,5G!5
 ALS Vial : 18 Sample Multiplier: 1

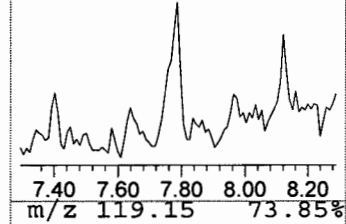
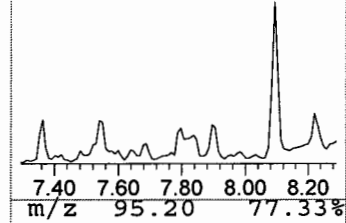
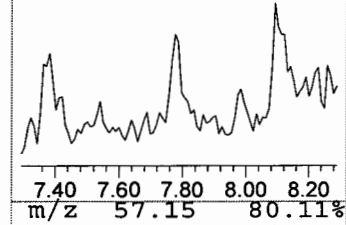
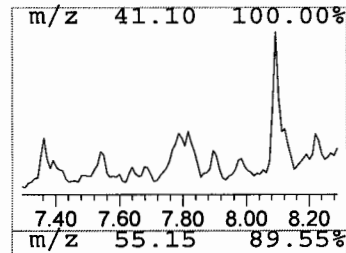
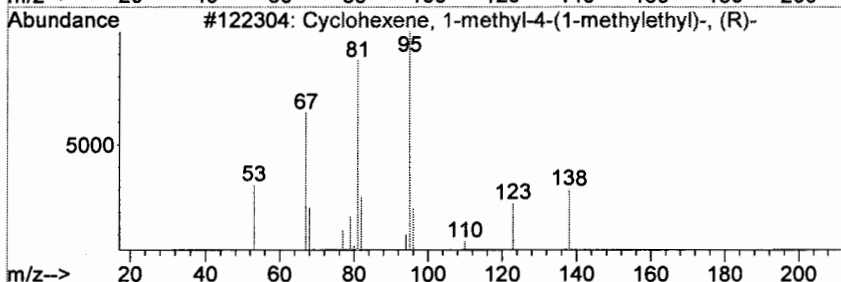
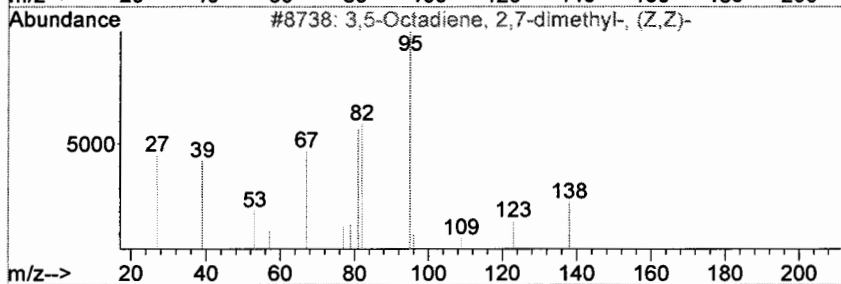
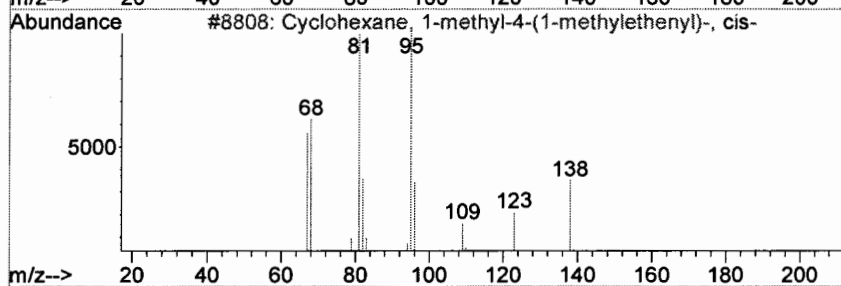
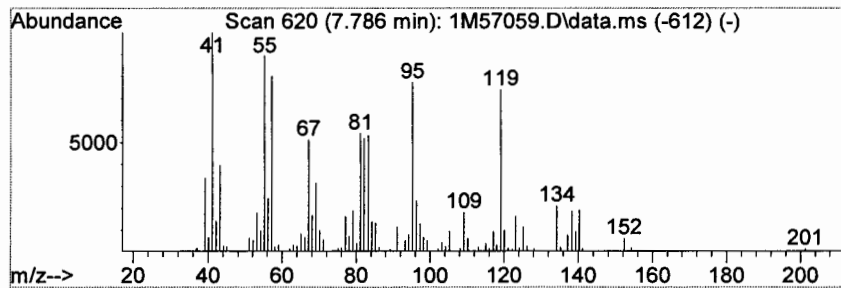
Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0430.M
 Quant Title : @GCMS_1,ug,624,8260

TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 2 Cyclohexene, 1-methyl-4-(1-methylethenyl)-, cis- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.79	34.28 ug/l	492358	LibIS-1,4-Dichlorobenzene-d4	7.87

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1-methyl-4-(1-methylethenyl)-, cis-	138	C10H18	001879-07-8	42
2		3,5-Octadiene, 2,7-dimethyl-, (Z,Z)-	138	C10H18	028980-73-6	46
3		Cyclohexene, 1-methyl-4-(1-methylethenyl)-, (R)-	138	C10H18	029350-67-2	80
4		Cyclohexane, 1-methyl-4-(1-methylethenyl)-, (R)-	138	C10H18	001124-27-2	42
5		Benzene, 1-methyl-3-(1-methylethenyl)-	134	C10H14	000535-77-3	25



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-07-10\
 Data File : 1M57059.D
 Acq On : 7 May 2010 11:07
 Operator : SG
 Sample : AC51387-001
 Misc : S,5G!5
 ALS Vial : 18 Sample Multiplier: 1

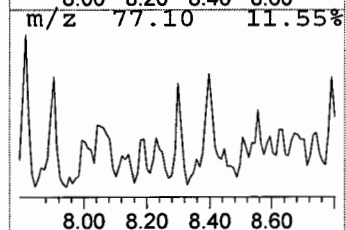
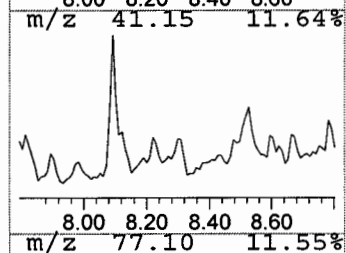
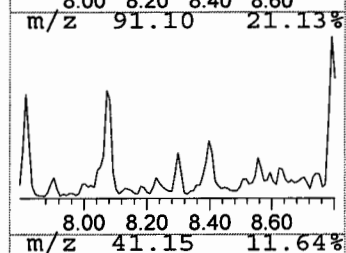
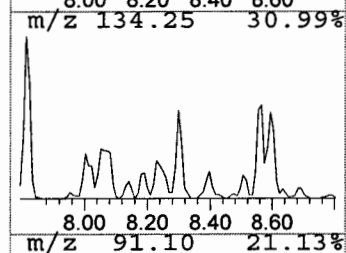
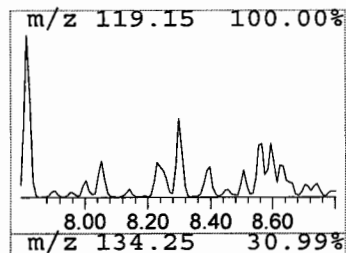
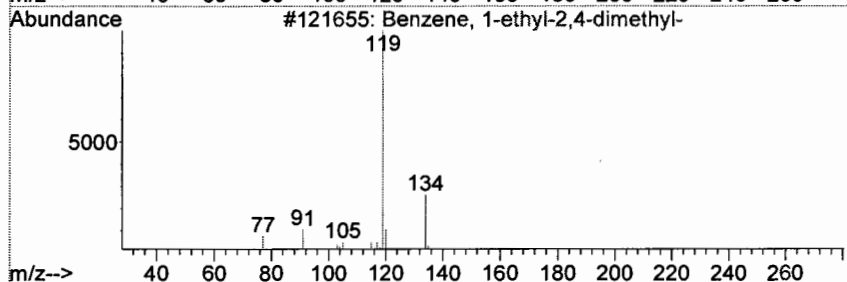
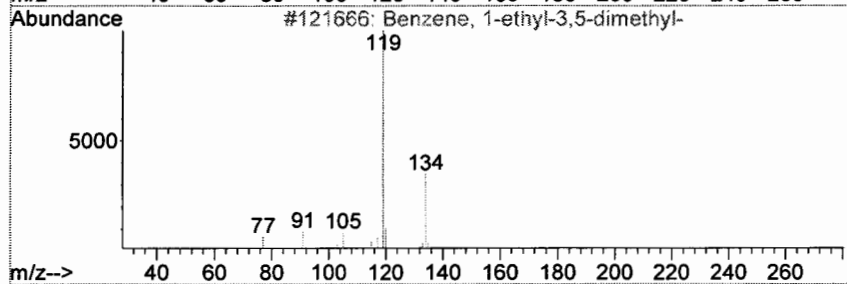
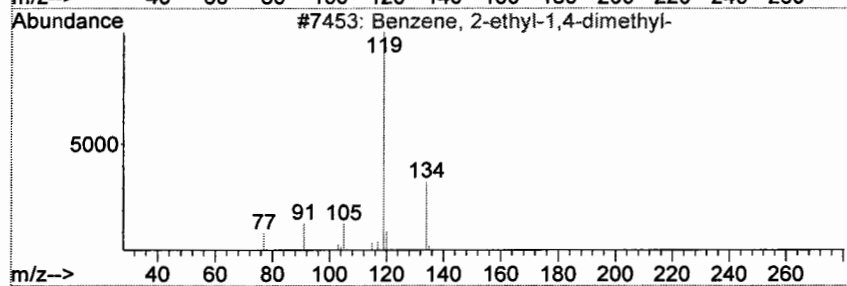
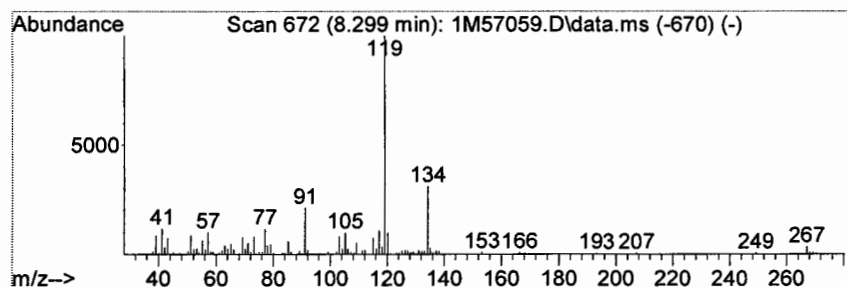
Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0430.M
 Quant Title : @GCMS_1,ug,624,8260

TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 3 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.30	30.99 ug/l	445131	LibIS-1,4-Dichlorobenzene-d4	7.87

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	87
2		Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	87
3		Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	74
4		Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	87
5		Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	87



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-07-10\
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 Sample : AC51387-001
 Misc : S,5G!5
 ALS Vial : 18 Sample Multiplier: 1

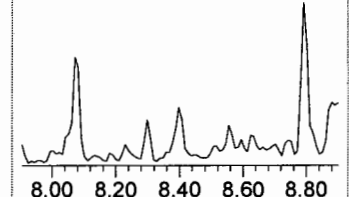
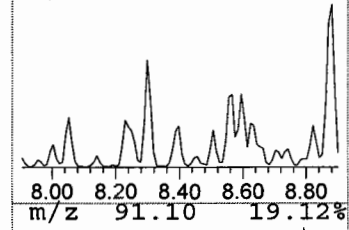
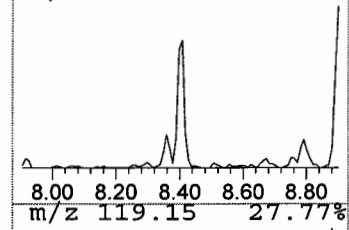
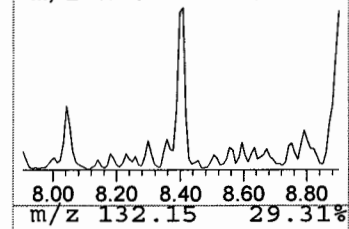
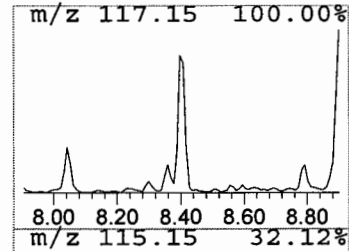
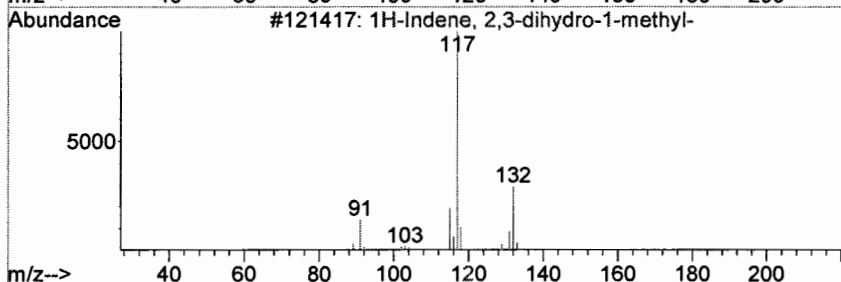
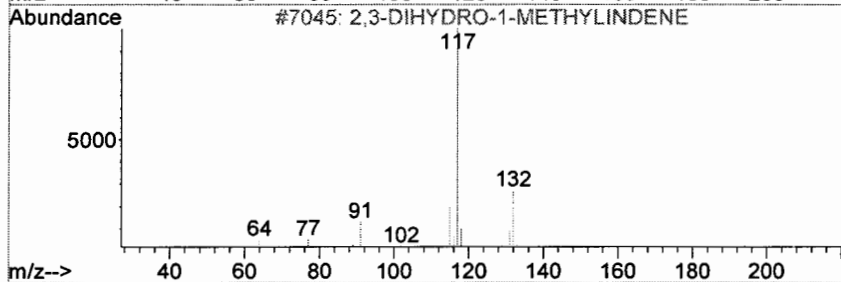
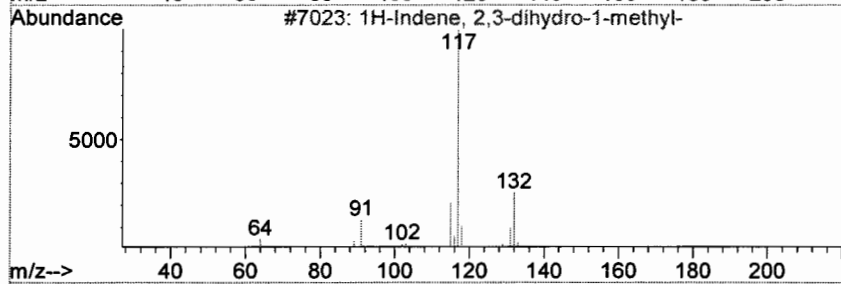
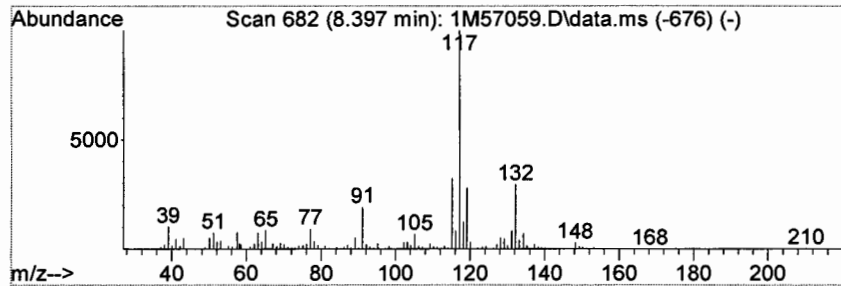
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TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 4 1H-Indene, 2,3-dihydro-1-me... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.40	71.31 ug/l	1024418	LibIS-1,4-Dichlorobenzene-d4	7.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1-methyl-	132	C10H12	000767-58-8	64
2	2,3-DIHYDRO-1-METHYLINDENE	132	C10H12	027133-93-3	81
3	1H-Indene, 2,3-dihydro-1-methyl-	132	C10H12	000767-58-8	93
4	1R-METHYL-2T-PHENYLCYCLOPROPANE	132	C10H12	005070-01-9	45
5	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	43



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-07-10\
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 ALS Vial : 18 Sample Multiplier: 1

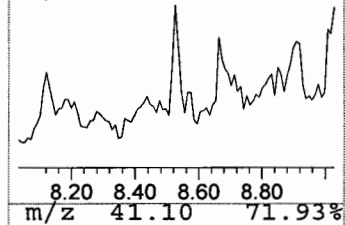
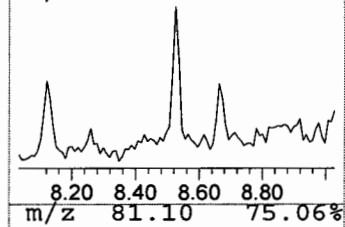
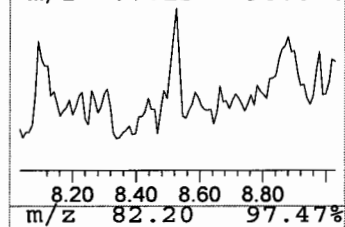
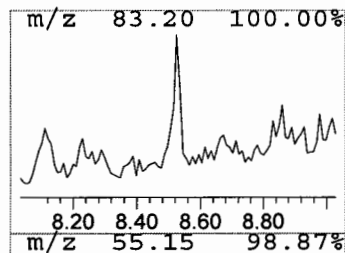
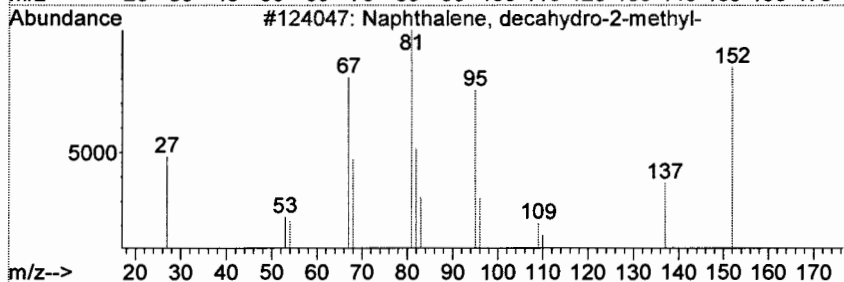
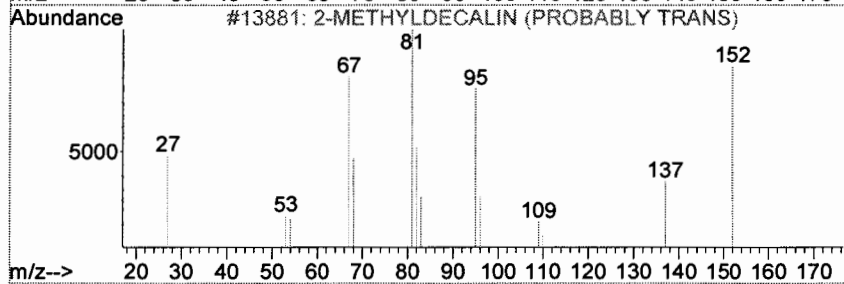
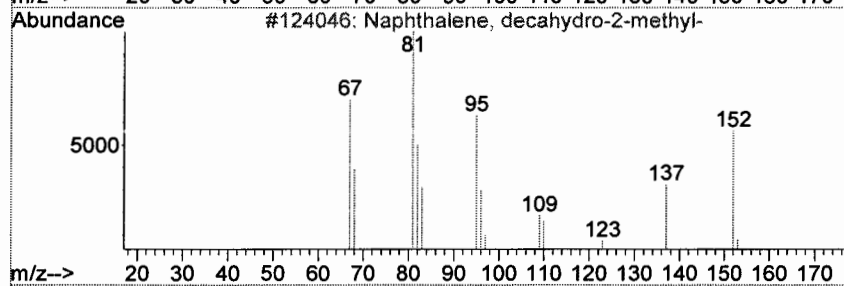
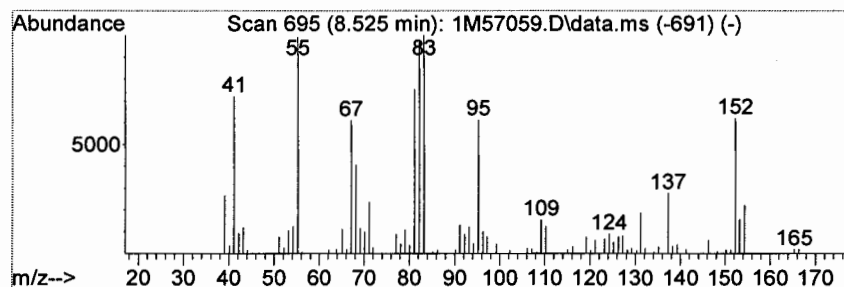
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TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 5 Naphthalene, decahydro-2-me... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.53	35.11 ug/l	504353	LibIS-1,4-Dichlorobenzene-d4	7.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	83
2	2-METHYLDECALIN (PROBABLY TRANS)	152	C11H20	002958-76-1	53
3	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	53
4	Cyclohexane, 1-propenyl-	124	C9H16	005364-83-0	25
5	7-DODECENOL	184	C12H24O	016695-40-2	22



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-07-10\
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 Operator : SG
 Sample : AC51387-001
 Misc : S,5G!5
 ALS Vial : 18 Sample Multiplier: 1

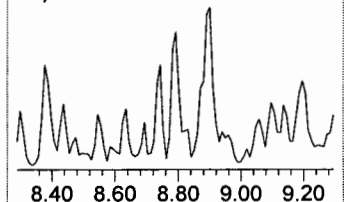
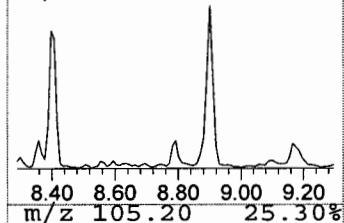
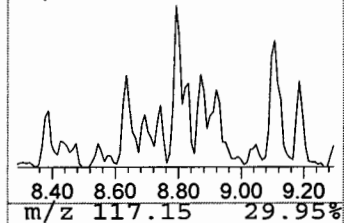
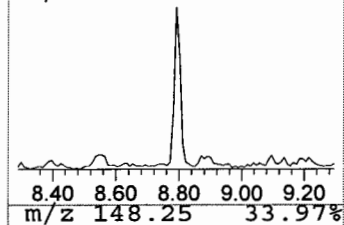
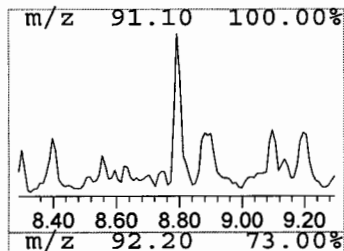
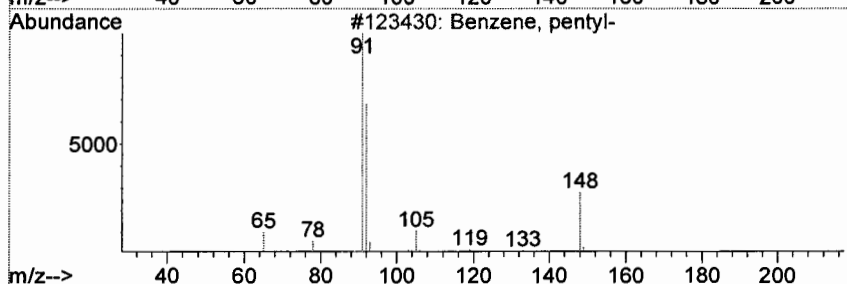
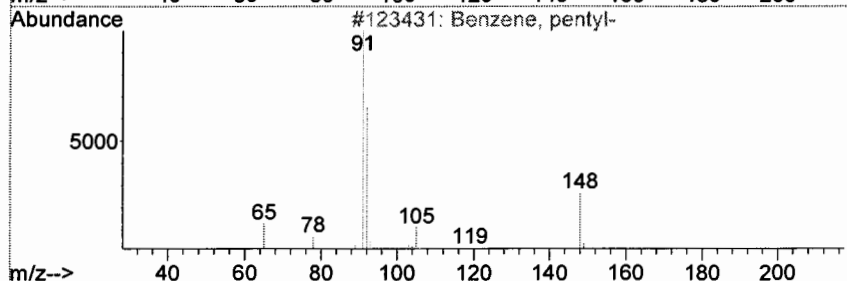
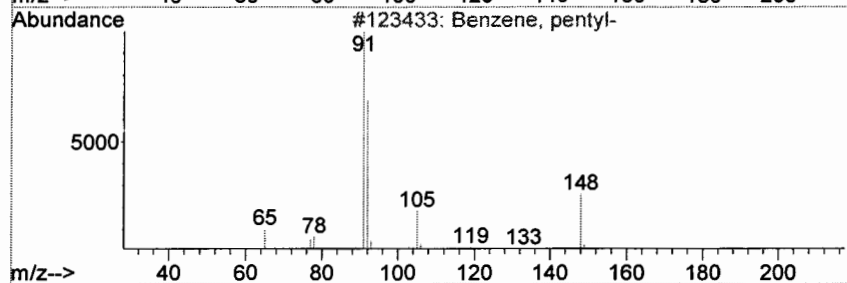
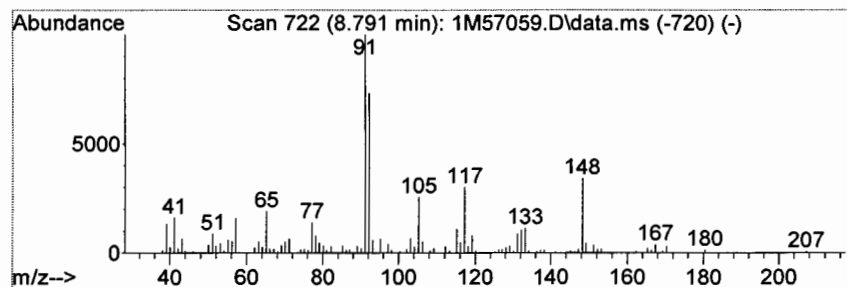
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TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 6 Benzene, pentyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.79	27.95 ug/l	401429	LibIS-1,4-Dichlorobenzene-d4	7.87

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, pentyl-	148	C11H16	000538-68-1	58
2			Benzene, pentyl-	148	C11H16	000538-68-1	49
3			Benzene, pentyl-	148	C11H16	000538-68-1	49
4			Benzene, pentyl-	148	C11H16	000538-68-1	49
5			Benzene, pentyl-	148	C11H16	000538-68-1	49



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-07-10\
 Data File : 1M57059.D
 Acq On : 7 May 2010 11:07
 Operator : SG
 Sample : AC51387-001
 Misc : S,5G!5
 ALS Vial : 18 Sample Multiplier: 1

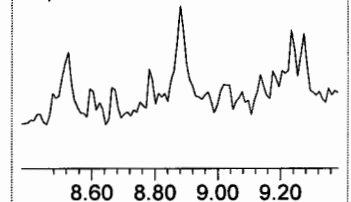
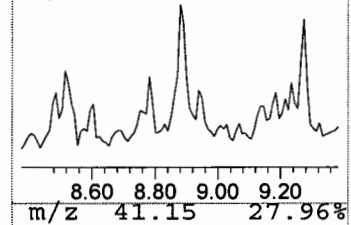
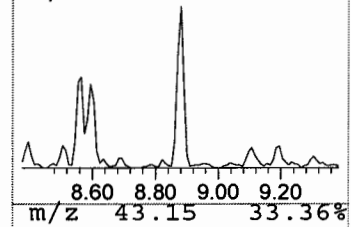
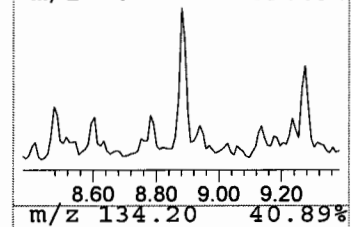
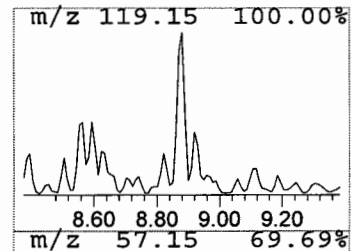
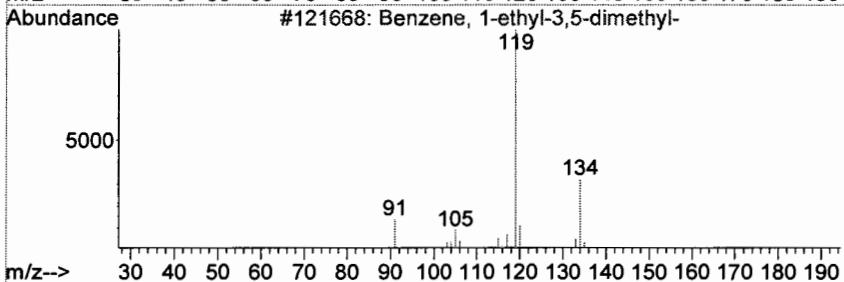
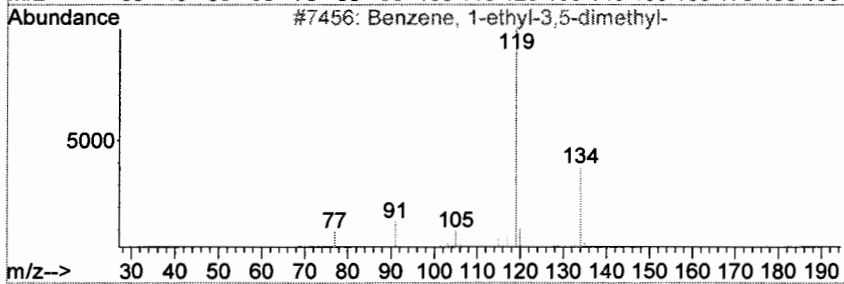
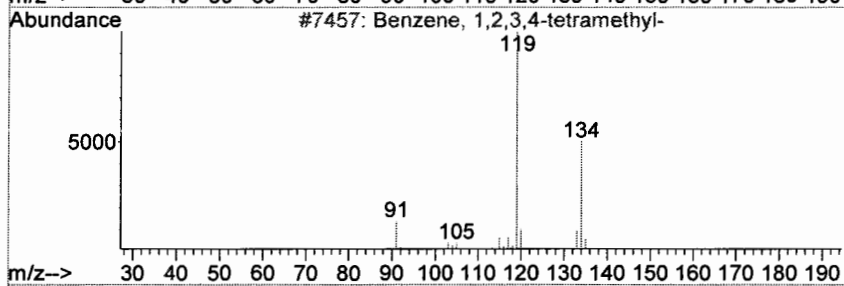
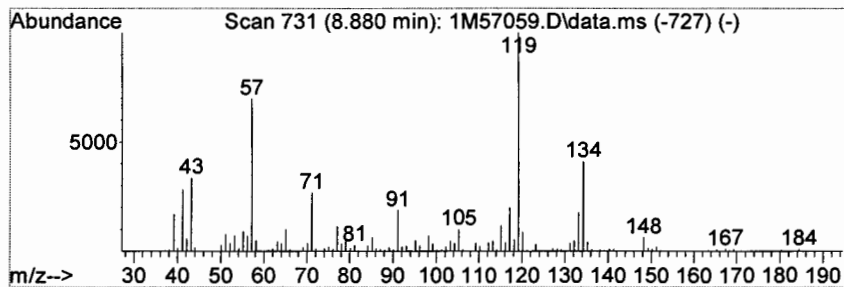
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TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 7 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.88	100.64 ug/l	1445595	LibIS-1,4-Dichlorobenzene-d4	7.87

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	58
2		Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	58
3		Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	58
4		Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	58
5		Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	58



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-07-10\
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 Sample : AC51387-001
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 ALS Vial : 18 Sample Multiplier: 1

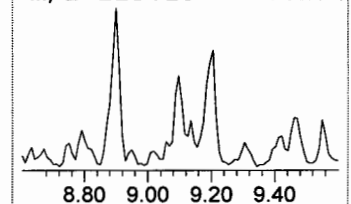
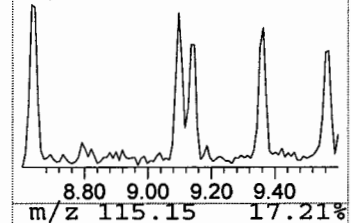
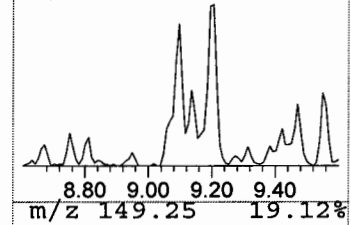
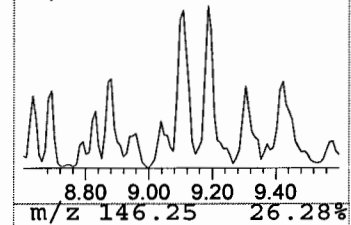
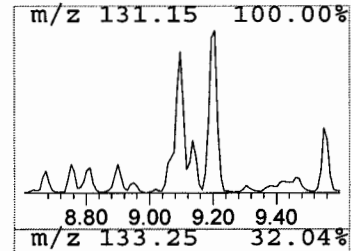
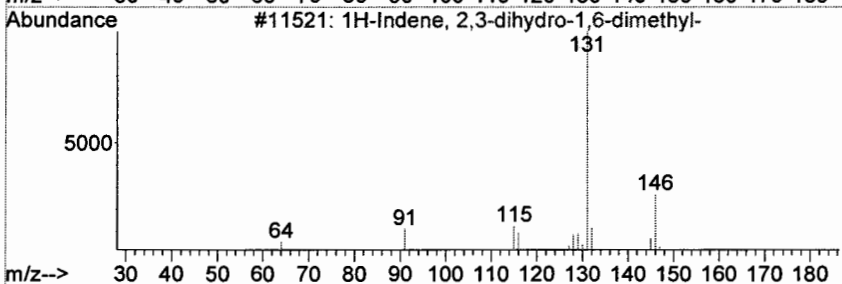
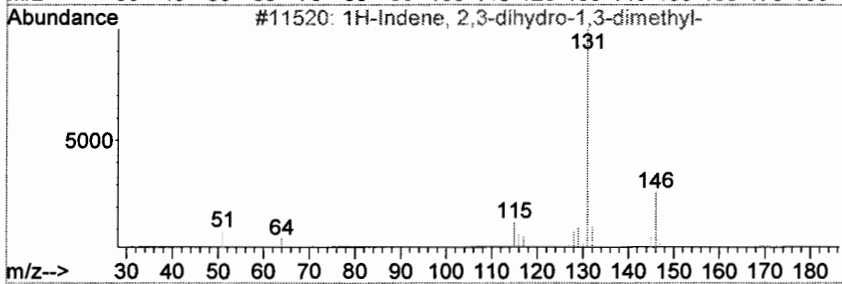
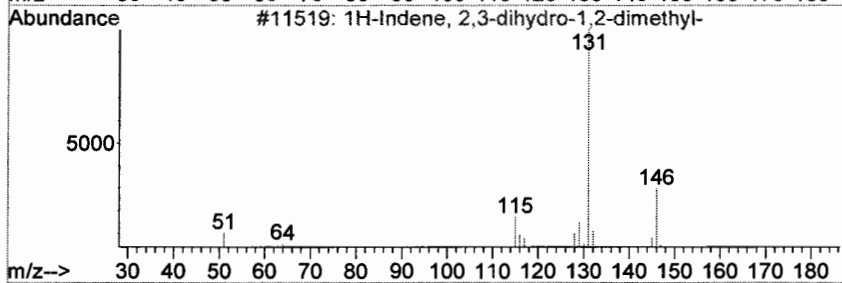
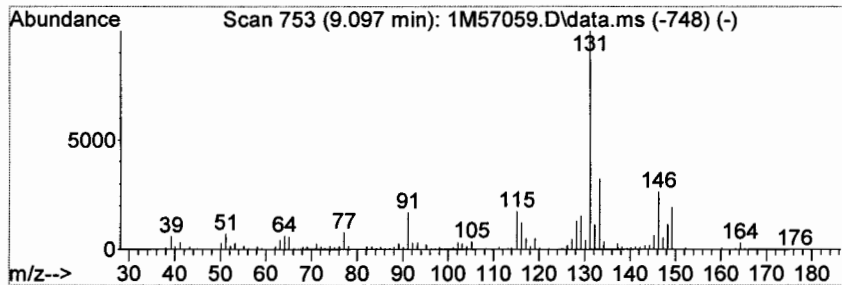
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TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 8 1H-Indene, 2,3-dihydro-1,2-... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.10	51.68 ug/l	742366	LibIS-1,4-Dichlorobenzene-d4	7.87

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	89
2		1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	95
3		1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	93
4		Naphthalene, 1,2,3,4-tetrahydro...	146	C11H14	001559-81-5	76
5		Naphthalene, 1,2,3,4-tetrahydro...	146	C11H14	002809-64-5	64



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-07-10\
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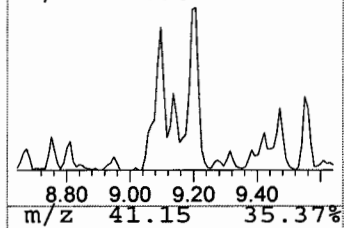
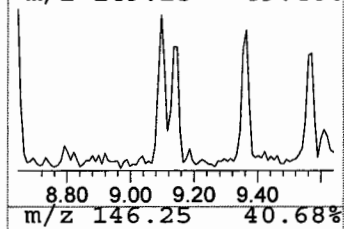
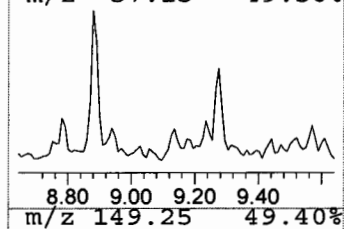
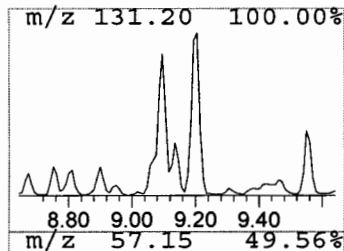
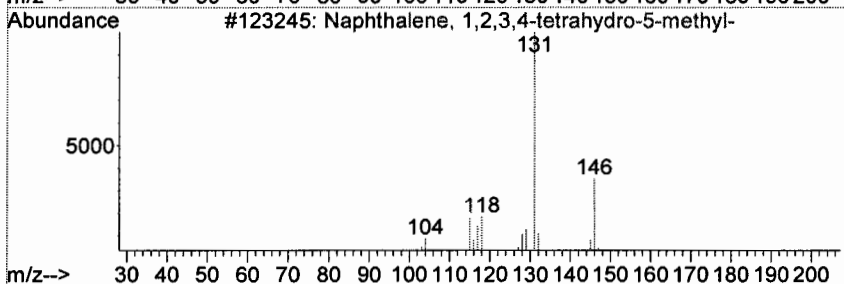
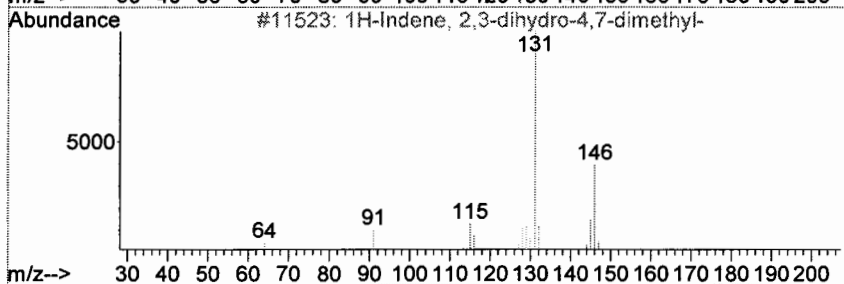
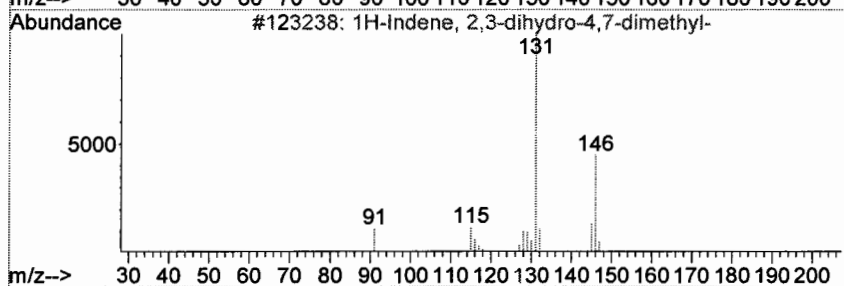
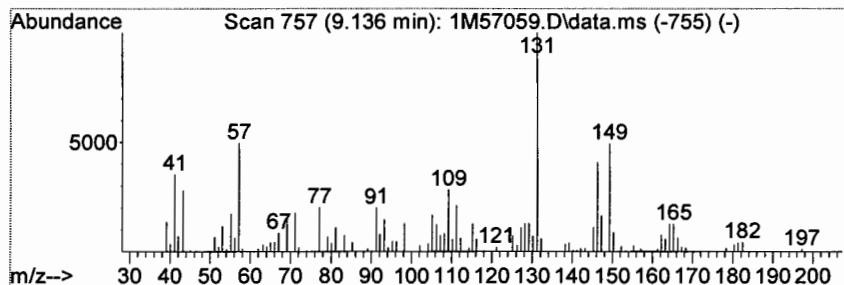
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TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 9 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.14	29.03 ug/l	416995	LibIS-1,4-Dichlorobenzene-d4	7.87

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	49
2		1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	49
3		Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	37
4		Indan, 5,6-dimethyl-	146	C11H14	001075-22-5	38
5		1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	38



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-07-10\
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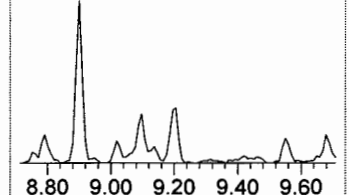
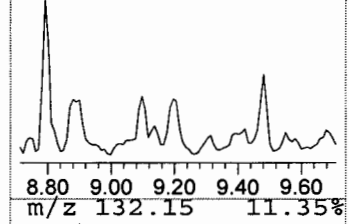
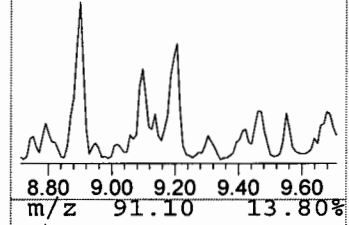
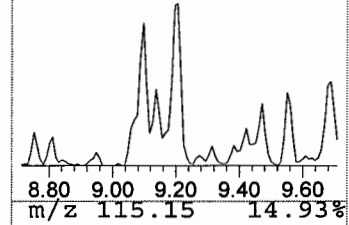
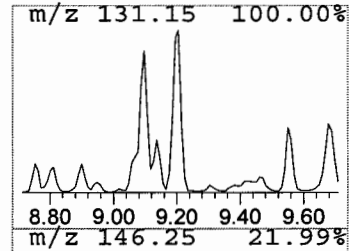
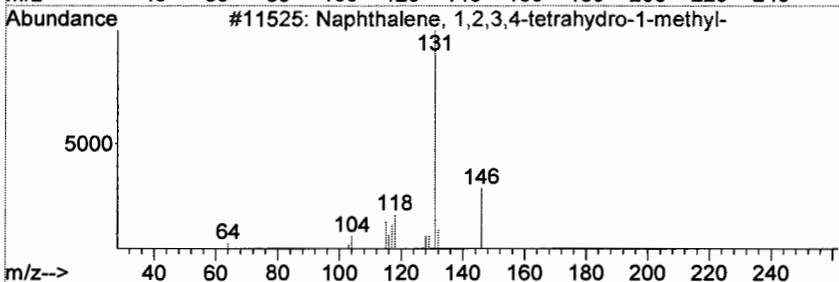
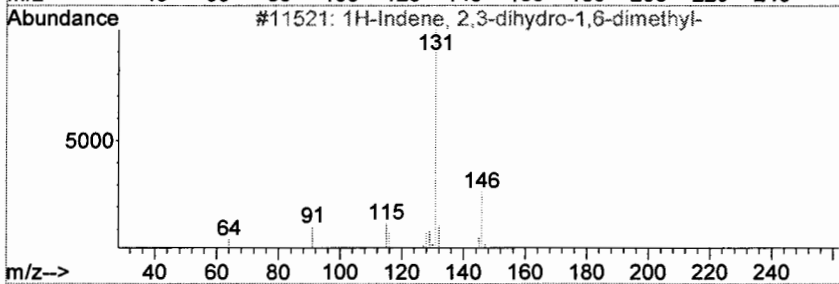
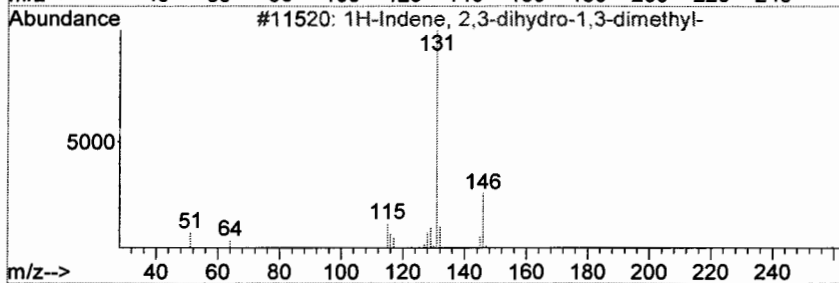
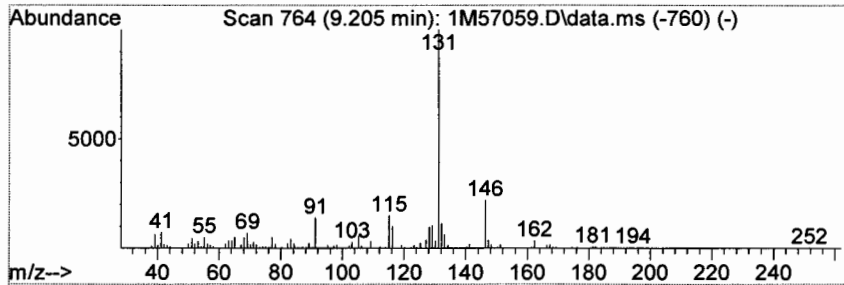
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TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 10 1H-Indene, 2,3-dihydro-1,3-... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.21	63.96 ug/l	918802	LibIS-1,4-Dichlorobenzene-d4	7.87

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	91
2			1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	91
3			Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	58
4			1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	90
5			Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	52



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-07-10\
 Data File : 1M57059.D
 Acq On : 7 May 2010 11:07
 Operator : SG
 Sample : AC51387-001
 Misc : S,5G!5
 ALS Vial : 18 Sample Multiplier: 1

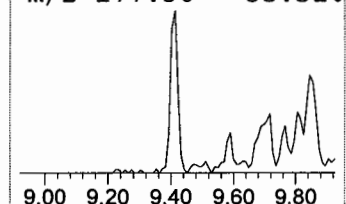
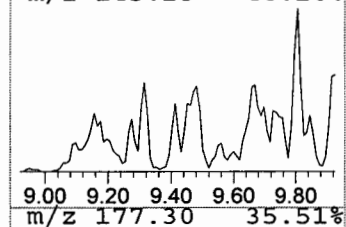
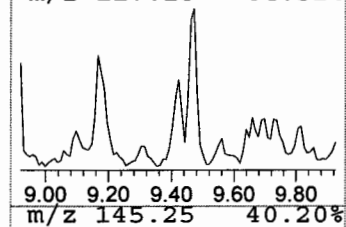
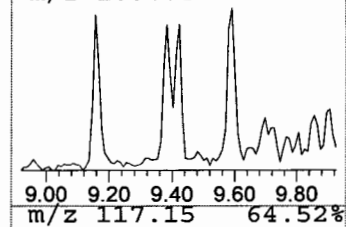
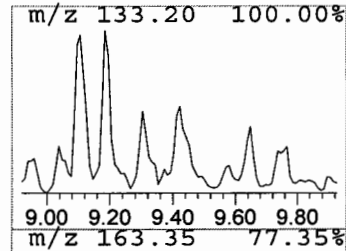
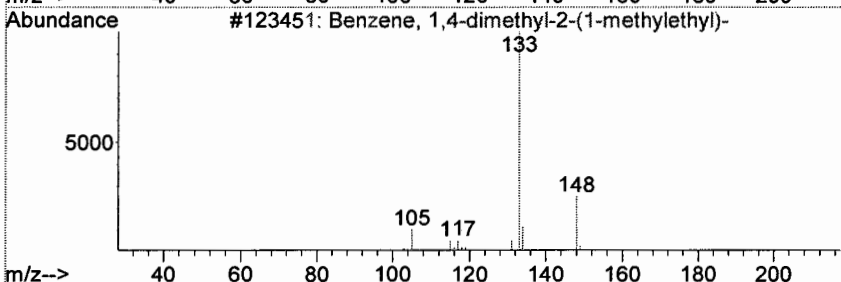
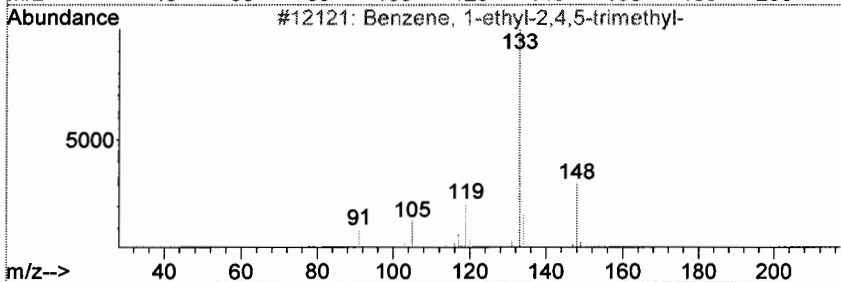
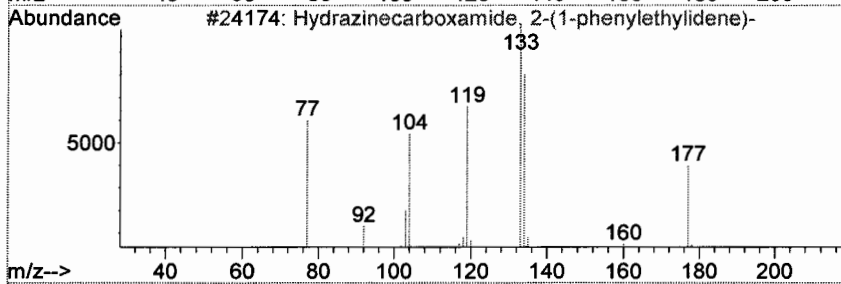
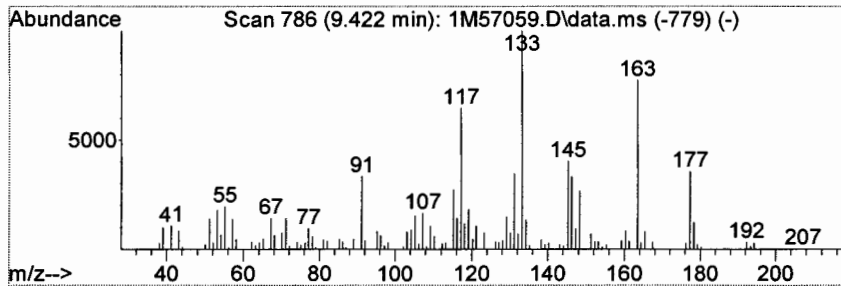
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 Quant Title : @GCMS_1,ug,624,8260

TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 11 unknown Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.42	36.66 ug/l	526554	LibIS-1,4-Dichlorobenzene-d4	7.87

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hydrazinecarboxamide, 2-(1-pheny...	177	C9H11N3O	002492-30-0	14
2		Benzene, 1-ethyl-2,4,5-trimethyl-	148	C11H16	017851-27-3	18
3		Benzene, 1,4-dimethyl-2-(1-methy...	148	C11H16	004132-72-3	14
4		Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	14
5		Benzene, 1,4-dimethyl-2-(1-methy...	148	C11H16	004132-72-3	14



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-07-10\
 Data File : 1M57059.D
 Acq On : 7 May 2010 11:07
 Operator : SG
 Sample : AC51387-001
 Misc : S,5G!5
 ALS Vial : 18 Sample Multiplier: 1

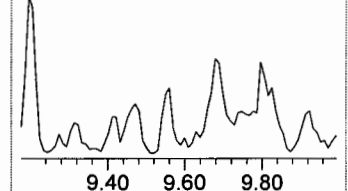
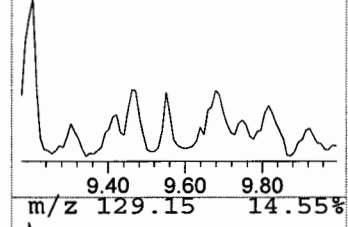
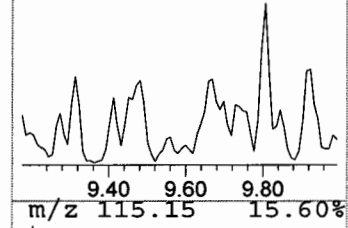
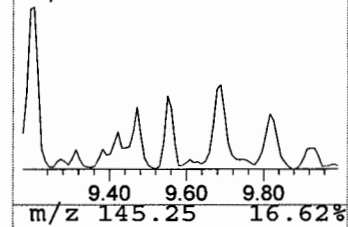
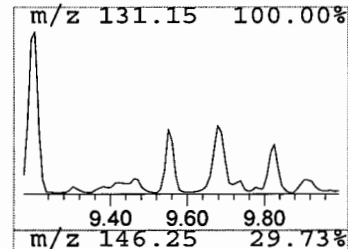
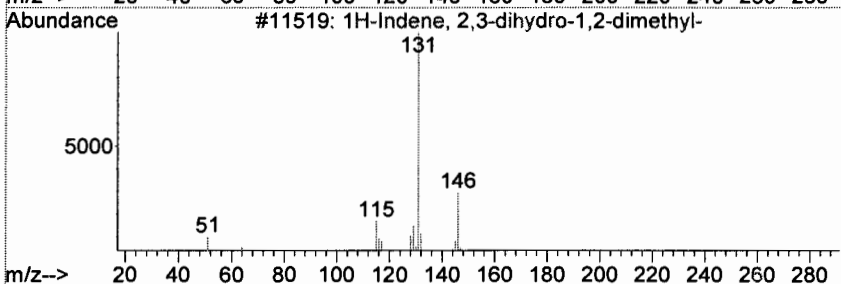
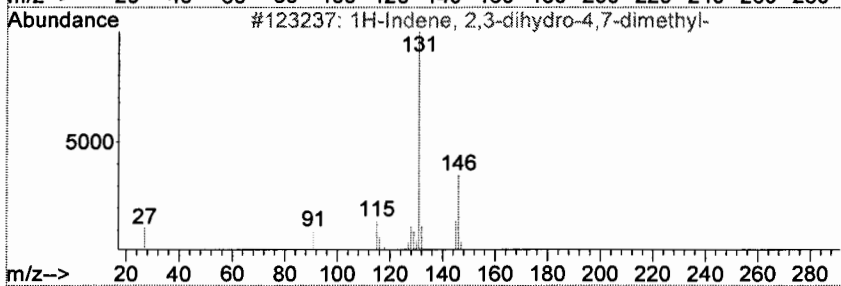
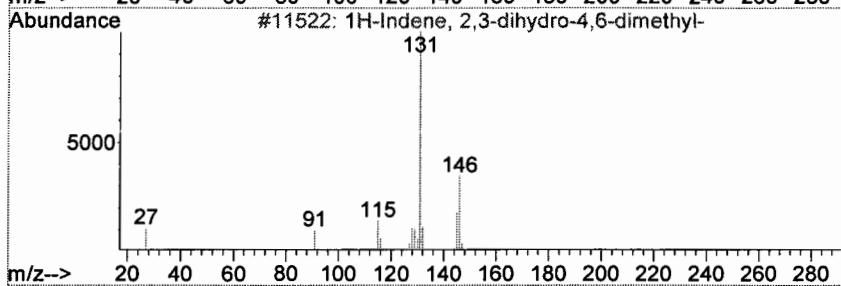
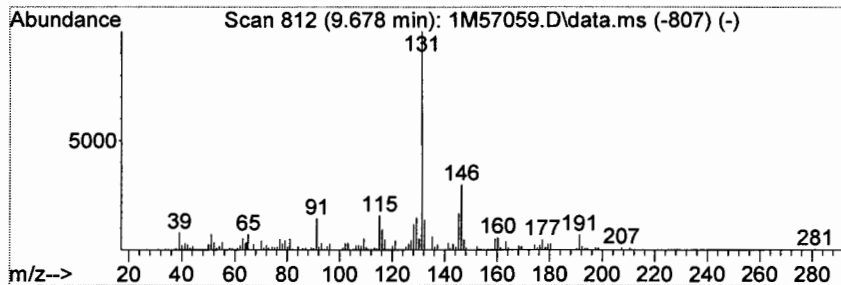
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 Quant Title : @GCMS_1,ug,624,8260

TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 12 1H-Indene, 2,3-dihydro-4,6-... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.68	31.13 ug/l	447175	LibIS-1,4-Dichlorobenzene-d4	7.87

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1H-Indene, 2,3-dihydro-4,6-dimet...	146	C11H14	001685-82-1	94
2			1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	94
3			1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	93
4			1H-Indene, 2,3-dihydro-4,6-dimet...	146	C11H14	001685-82-1	64
5			1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	90



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-07-10\
 Data File : 1M57059.D
 Acq On : 7 May 2010 11:07
 Operator : SG
 Sample : AC51387-001
 Misc : S,5G!5
 ALS Vial : 18 Sample Multiplier: 1

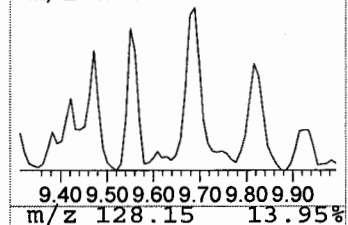
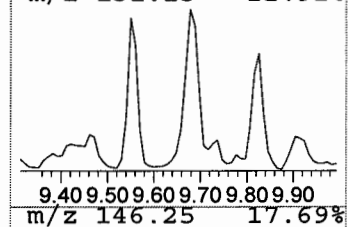
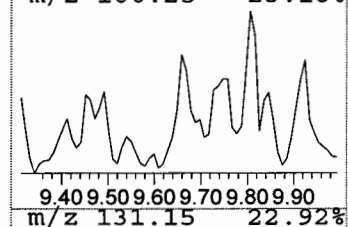
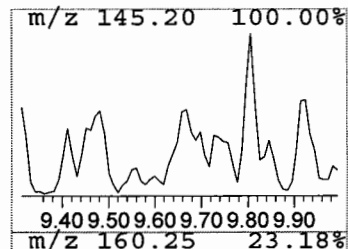
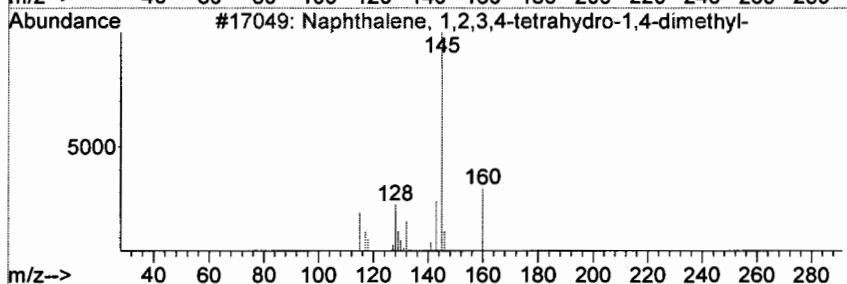
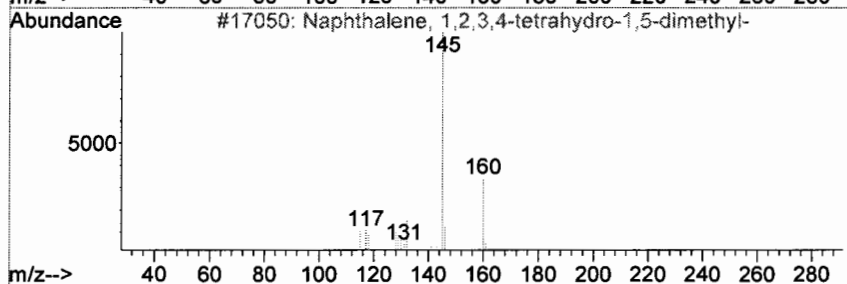
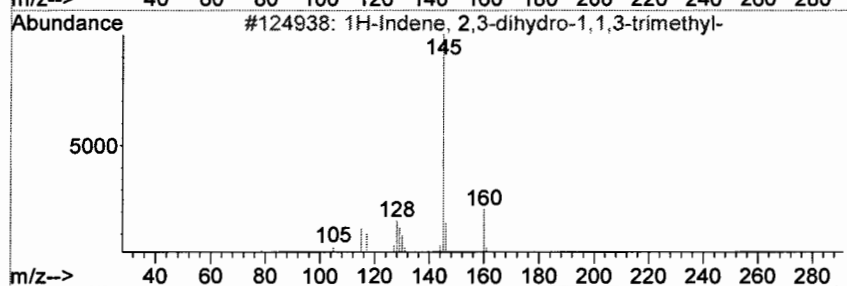
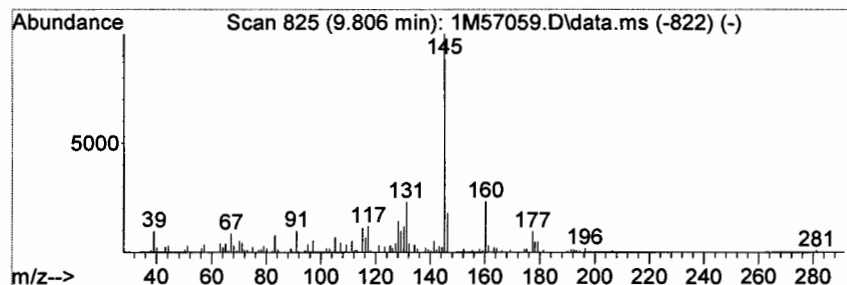
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 Quant Title : @GCMS_1,ug,624,8260

TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 13 1H-Indene, 2,3-dihydro-1,1,... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.81	24.36 ug/l	349958	LibIS-1,4-Dichlorobenzene-d4	7.87

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1H-Indene, 2,3-dihydro-1,1,3-tri...	160	C12H16	002613-76-5	81
2			Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021564-91-0	46
3			Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	46
4			1H-Indene, 2,3-dihydro-1,1,3-tri...	160	C12H16	002613-76-5	72
5			Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	025419-33-4	81



Tentatively Identified Compound (LSC) summary

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-07-10\
 Data File : 1M57059.D
 Acq On : 7 May 2010 11:07
 Operator : SG
 Sample : AC51387-001
 Misc : S,5G!5
 ALS Vial : 18 Sample Multiplier: 1

Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0430.M
 Quant Title : @GCMS_1,ug,624,8260

TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	-----Internal Standard-----				
					#	ExpRT	ActRt	Resp	Conc
unknown	6.96	31.3	ug/l	340327	2	6.45	6.45	326283	30.0
Cyclohexene, 1-me...	7.79	34.3	ug/l	492358	3	7.87	7.87	430942	30.0
Benzene, 2-ethyl-...	8.30	31.0	ug/l	445131	3	7.87	7.87	430942	30.0
1H-Indene, 2,3-di...	8.40	71.3	ug/l	1024418	3	7.87	7.87	430942	30.0
Naphthalene, deca...	8.53	35.1	ug/l	504353	3	7.87	7.87	430942	30.0
Benzene, pentyl-	8.79	27.9	ug/l	401429	3	7.87	7.87	430942	30.0
Benzene, 1,2,3,4-...	8.88	100.6	ug/l	1445595	3	7.87	7.87	430942	30.0
1H-Indene, 2,3-di...	9.10	51.7	ug/l	742366	3	7.87	7.87	430942	30.0
1H-Indene, 2,3-di...	9.14	29.0	ug/l	416995	3	7.87	7.87	430942	30.0
1H-Indene, 2,3-di...	9.21	64.0	ug/l	918802	3	7.87	7.87	430942	30.0
unknown	9.42	36.7	ug/l	526554	3	7.87	7.87	430942	30.0
1H-Indene, 2,3-di...	9.68	31.1	ug/l	447175	3	7.87	7.87	430942	30.0
1H-Indene, 2,3-di...	9.81	24.4	ug/l	349958	3	7.87	7.87	430942	30.0

Form1
ORGANICS VOLATILE REPORT

Sample Number: AC51387-002(5X)
Client Id: PI-01-TP-RAU5043010SS0
Data File: 1M57126.D
Analysis Date: 05/10/10 15:40
Date Rec/Extracted: 05/03/10-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Soil
Initial Vol: 0.98g
Final Vol: NA
Dilution: 5.10
Solids: 83

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.031	U	56-23-5	Carbon Tetrachloride	0.031	U
79-34-5	1,1,2,2-Tetrachloroethane	0.031	U	108-90-7	Chlorobenzene	0.031	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.031	U	75-00-3	Chloroethane	0.031	U
79-00-5	1,1,2-Trichloroethane	0.031	U	67-66-3	Chloroform	0.031	U
75-34-3	1,1-Dichloroethane	0.031	U	74-87-3	Chloromethane	0.031	U
75-35-4	1,1-Dichloroethene	0.031	U	156-59-2	cis-1,2-Dichloroethene	0.031	U
96-18-4	1,2,3-Trichloropropane	0.031	U	10061-01-5	cis-1,3-Dichloropropene	0.031	U
95-63-6	1,2,4-Trimethylbenzene	0.0061	U	124-48-1	Dibromochloromethane	0.031	U
95-50-1	1,2-Dichlorobenzene	0.031	U	75-71-8	Dichlorodifluoromethane	0.031	U
107-06-2	1,2-Dichloroethane	0.031	U	100-41-4	Ethylbenzene	0.0061	U
78-87-5	1,2-Dichloropropane	0.031	U	98-82-8	Isopropylbenzene	0.0061	0.015
108-67-8	1,3,5-Trimethylbenzene	0.0061	0.0099	136777612	m&p-Xylenes	0.0061	0.0071
541-73-1	1,3-Dichlorobenzene	0.031	U	75-09-2	Methylene Chloride	0.031	U
142-28-9	1,3-Dichloropropane	0.031	U	1634-04-4	Methyl-t-butyl ether	0.0061	U
106-46-7	1,4-Dichlorobenzene	0.031	U	104-51-8	n-Butylbenzene	0.0061	U
123-91-1	1,4-Dioxane	1.5	U	103-65-1	n-Propylbenzene	0.0061	U
78-93-3	2-Butanone	0.031	U	95-47-6	o-Xylene	0.0061	0.0079
110-75-8	2-Chloroethylvinylether	0.031	U	135-98-8	sec-Butylbenzene	0.0061	0.025
591-78-6	2-Hexanone	0.031	U	100-42-5	Styrene	0.031	U
99-87-6	4-Isopropyltoluene	0.0061	0.0073	75-65-0	t-Butyl Alcohol	0.15	U
108-10-1	4-Methyl-2-Pentanone	0.031	U	98-06-6	t-Butylbenzene	0.0061	U
67-64-1	Acetone	0.15	U	127-18-4	Tetrachloroethene	0.031	U
107-02-8	Acrolein	0.15	U	108-88-3	Toluene	0.0061	0.0069
107-13-1	Acrylonitrile	0.031	U	156-60-5	trans-1,2-Dichloroethene	0.031	U
71-43-2	Benzene	0.0061	U	10061-02-6	trans-1,3-Dichloropropene	0.031	U
75-27-4	Bromodichloromethane	0.031	U	79-01-6	Trichloroethene	0.031	U
75-25-2	Bromoform	0.031	U	75-69-4	Trichlorofluoromethane	0.031	U
74-83-9	Bromomethane	0.031	U	75-01-4	Vinyl Chloride	0.031	U
75-15-0	Carbon Disulfide	0.031	U	1330-20-7	Xylenes (Total)	0.0061	0.015

Worksheet #: 151241

Total Target Concentration 0.079

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.

R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.

Form1eORGANICS VOLATILE REPORT
Tentatively Identified Compounds

Sample Number: AC51387-002(5X)	Matrix: Soil
Client Id: PI-01-TP-RAU5043010	Initial Vol: 0.98g
Data File: 1M57126.D	Final Vol: NA
Analysis Date: 05/10/10 15:40	Dilution: 5.10
Date Rec/Extracted: 05/03/10-NA	Solids: 83
	Method: EPA 8260B

Units: mg/Kg

	Cas #	Compound	RT	Conc
1		unknown	6.94	1.1 J
2	50746-53-7	Cyclopentane, 1-methyl-2-(2-propenyl)-,	7.76	1.4 J
3	91-17-8	Naphthalene, decahydro-	8.10	1.4 J
4	535-77-3	Benzene, 1-methyl-3-(1-methylethyl)-	8.28	1.3 J
5	767-58-8	1H-Indene, 2,3-dihydro-1-methyl-	8.38	1.4 J
6	2958-76-1	2-METHYLDECALIN (PROBABLY TRA	8.51	0.95 J
7		unknown	8.86	1.5 J
8	17057-82-8	1H-Indene, 2,3-dihydro-1,2-dimethyl-	9.08	1.0 J
9	4175-53-5	1H-Indene, 2,3-dihydro-1,3-dimethyl-	9.18	1.3 J
10		unknown	9.39	1.0 J

Worksheet #: 151241

Total Tentatively Identified Concentration 12*A - Indicates an aldol condensate.**J - Indicates an estimated value.**B - Indicates the analyte was found in the blank as well as in the sample.**Y - Indicates the analyte was found in the blank at <10% of the concentration of the sample.**<10% - Indicates the analyte was found in the blank at < 10% of nearest Internal Standard*

Quantitation Report (QT/LSC Reviewed)

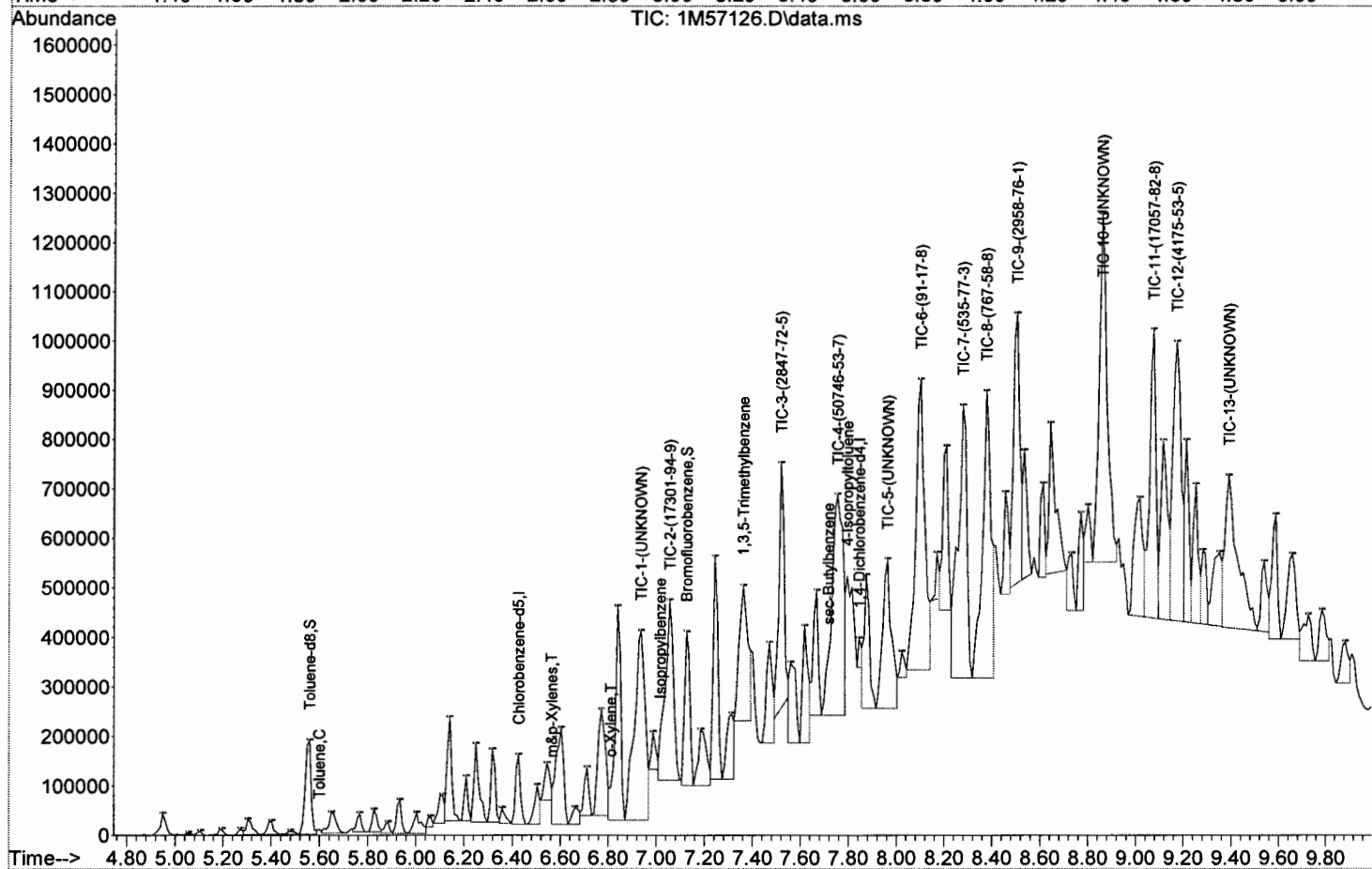
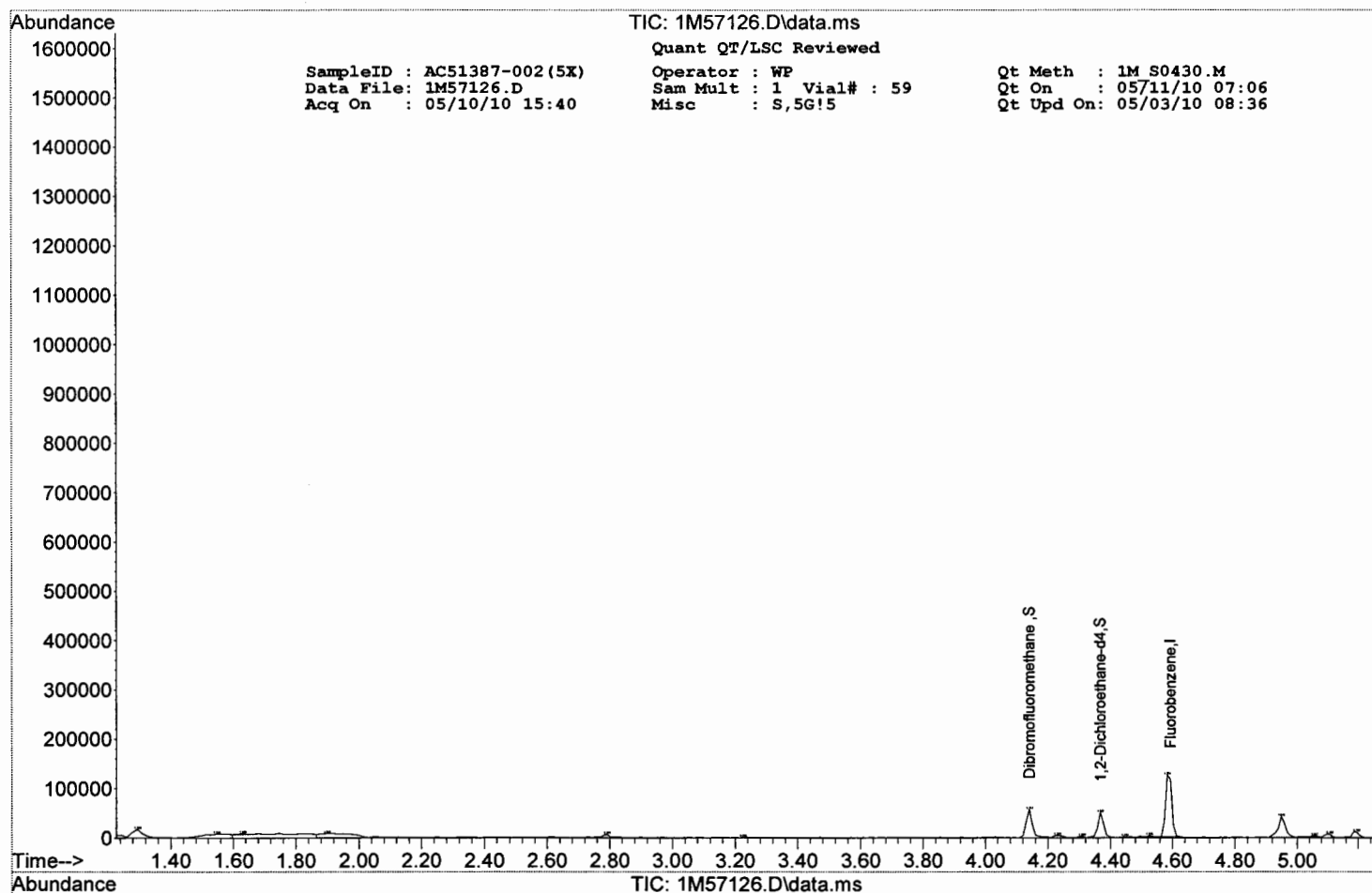
SampleID : AC51387-002(5X) Operator : WP Qt Meth : 1M_S0430.M
 Data File: 1M57126.D Sam Mult : 1 Vial# : 59 Qt On : 05/11/10 07:06
 Acq On : 05/10/10 15:40 Misc : S,5G!5 Qt Upd On: 05/03/10 08:36

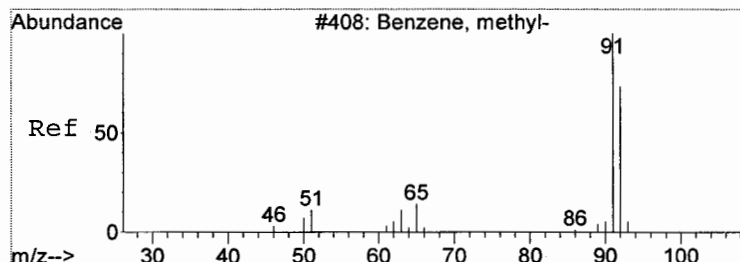
Data Path : G:\GcMsData\2010\GCMS_1\Data\05-10-10\
 Qt Path : G:\GcMsData\2010\GCMS_1\MethodQt\
 Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.594	96	70697	30.00	ug/l	0.00
48) Chlorobenzene-d5	6.427	117	53686	30.00	ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.845	152	30507	30.00	ug/l	0.00
System Monitoring Compounds						
33) Dibromofluoromethane	4.141	111	20096	32.57	ug/l	-0.02
Spiked Amount 30.000			Recovery	=	108.57%	
35) 1,2-Dichloroethane-d4	4.367	102	3926	32.52	ug/l	-0.02
Spiked Amount 30.000			Recovery	=	108.40%	
59) Toluene-d8	5.560	100	51217	32.51	ug/l	0.00
Spiked Amount 30.000			Recovery	=	108.37%	
67) Bromofluorobenzene	7.126	174	28678	31.12	ug/l	0.00
Spiked Amount 30.000			Recovery	=	103.73%	
Target Compounds						
60) Toluene	5.599	92	2223	1.12	ug/l	98
69) m&p-Xylenes	6.564	106	1456	1.15	ug/l	97
70) o-Xylene	6.811	106	1591	1.29	ug/l	89
75) Isopropylbenzene	7.018	105	8133	2.36	ug/l	55
83) 1,3,5-Trimethylbenzene	7.362	105	4687m	1.61	ug/l	
86) sec-Butylbenzene	7.717	105	15267	4.12	ug/l	80
87) 4-Isopropyltoluene	7.796	119	3500m	1.19	ug/l	
Library Search Internal Standards TIC Results						
1) Fluorobenzene	4.584		182564	30.00	ug/l	--
2) Chlorobenzene-d5	6.427		202321	30.00	ug/l	--
3) 1,4-Dichlorobenzene-d4	7.845		199109m	30.00	ug/l	--
Library Search Compounds						
1) UNKNOWN	6.940		1213626	179.96	ug/l	--
2) 17301-94-9	7.060		870906	129.14	ug/l	64
3) 2847-72-5	7.520		769386	115.92	ug/l	91
4) 50746-53-7	7.760		1516333	228.47	ug/l	50
5) UNKNOWN	7.960		789583	118.97	ug/l	--
6) 91-17-8	8.100		1554317	234.19	ug/l	81
7) 535-77-3	8.280		1407121	212.01	ug/l	95
8) 767-58-8	8.380		1458323	219.73	ug/l	76
9) 2958-76-1	8.510		1026827	154.71	ug/l	64
10) UNKNOWN	8.860		1645057	247.86	ug/l	--
11) 17057-82-8	9.080		1074366	161.88	ug/l	53
12) 4175-53-5	9.180		1409523	212.38	ug/l	87
13) UNKNOWN	9.390		1125622	169.60	ug/l	--

(#) = qualifier out of range (m) = manual integration (+) = signals summed

lu





#60

Toluene

Concen: 1.12 ug/l

RT: 5.599 min Scan# 398

Delta R.T. -0.009 min

Lab File: 1M57126.D

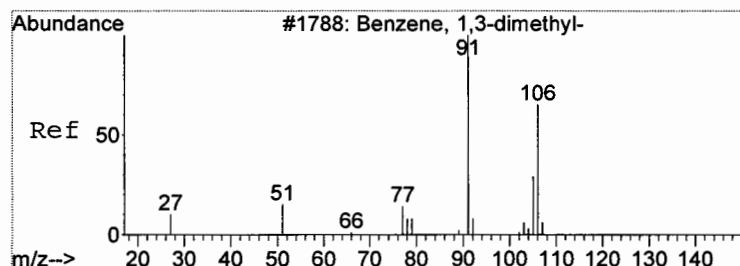
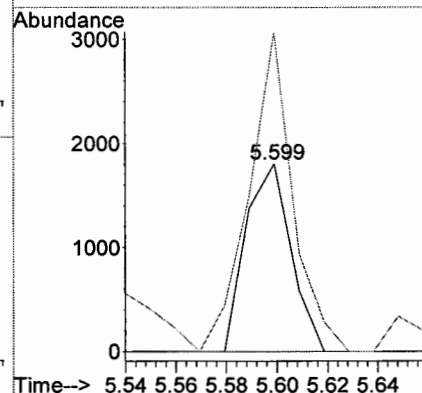
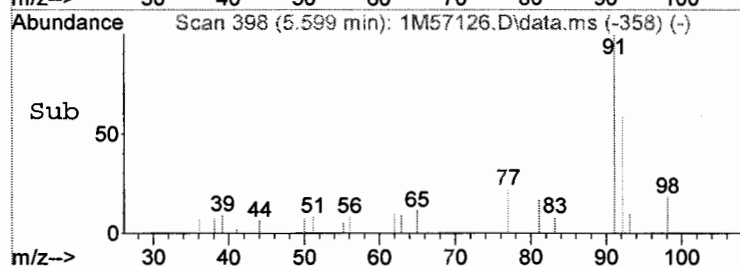
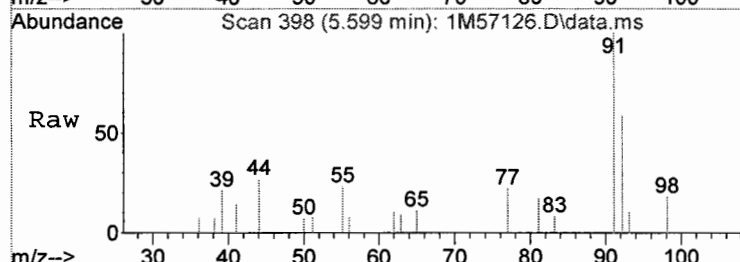
Acq: 10 May 2010 15:40

Tgt Ion: 92 Resp: 2223

Ion Ratio Lower Upper

92 100

91 170.1 104.1 242.9



#69

m&p-Xylenes

Concen: 1.15 ug/l

RT: 6.564 min Scan# 496

Delta R.T. -0.010 min

Lab File: 1M57126.D

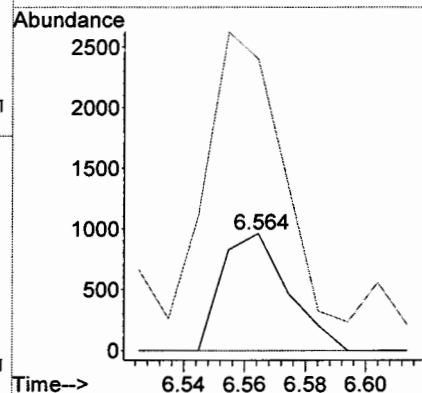
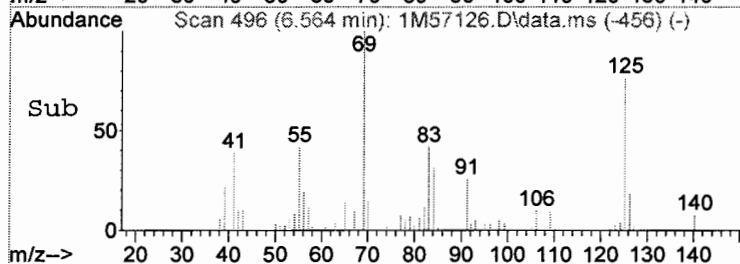
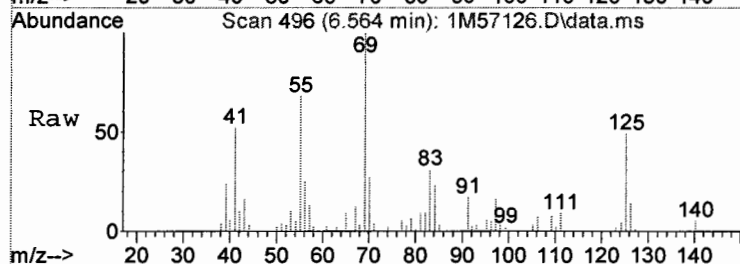
Acq: 10 May 2010 15:40

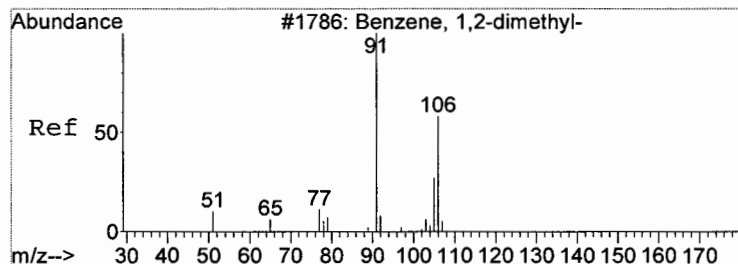
Tgt Ion: 106 Resp: 1456

Ion Ratio Lower Upper

106 100

91 224.9 132.0 308.0





#70

o-Xylene

Concen: 1.29 ug/l

RT: 6.811 min Scan# 521

Delta R.T. -0.010 min

Lab File: 1M57126.D

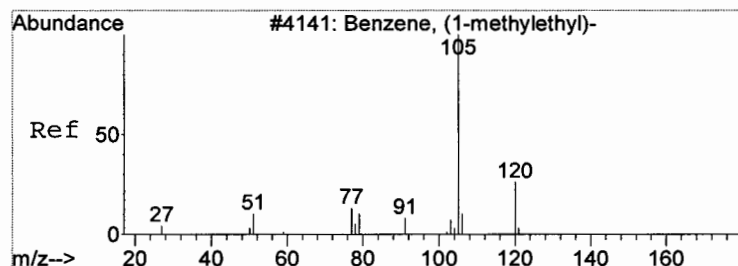
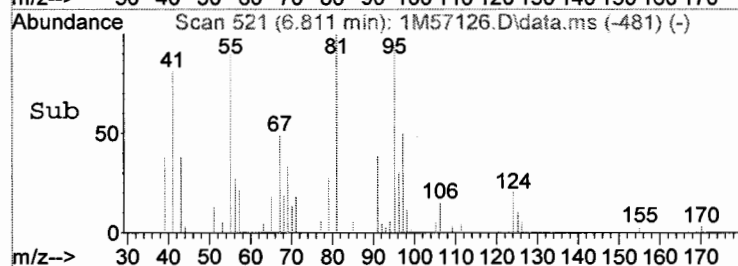
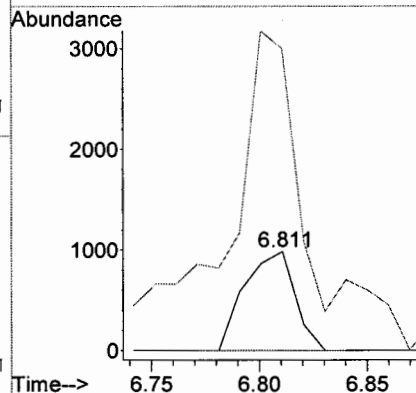
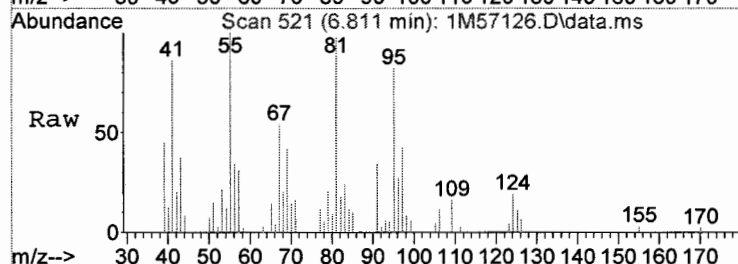
Acq: 10 May 2010 15:40

Tgt Ion:106 Resp: 1591

Ion Ratio Lower Upper

106 100

91 233.1 129.1 301.1



#75

Isopropylbenzene

Concen: 2.36 ug/l

RT: 7.018 min Scan# 542

Delta R.T. -0.020 min

Lab File: 1M57126.D

Acq: 10 May 2010 15:40

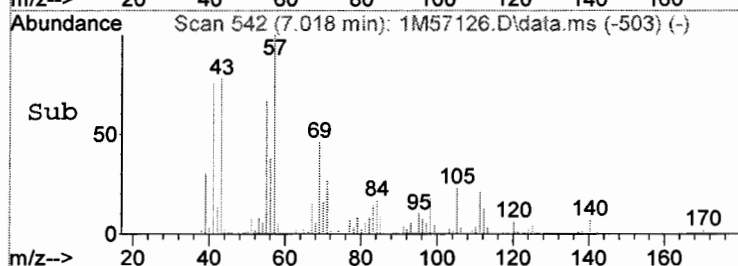
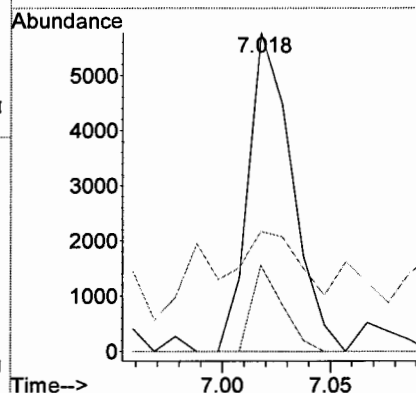
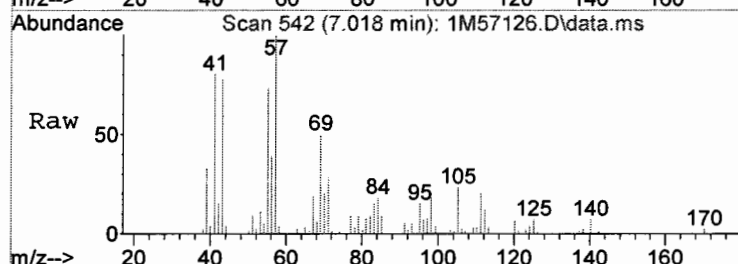
Tgt Ion:105 Resp: 8133

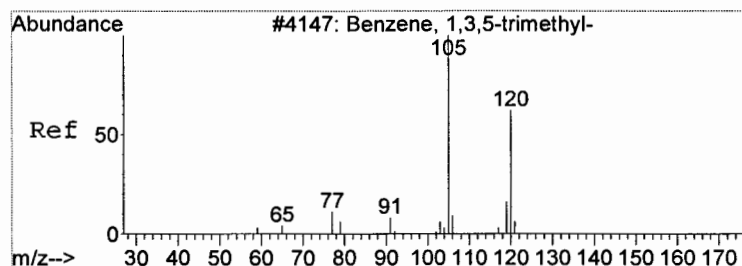
Ion Ratio Lower Upper

105 100

120 18.9 0.0 66.9

77 57.9 0.0 58.3





#83

1,3,5-Trimethylbenzene

Concen: 1.61 ug/l m

RT: 7.362 min Scan# 577

Delta R.T. -0.020 min

Lab File: 1M57126.D

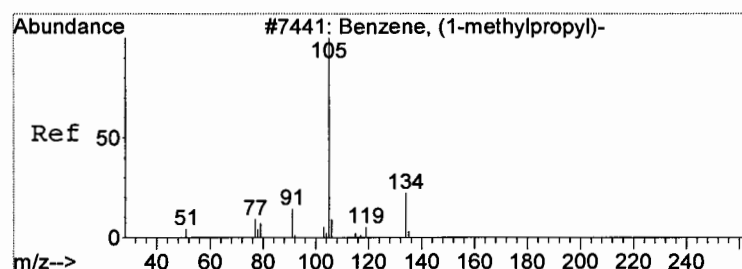
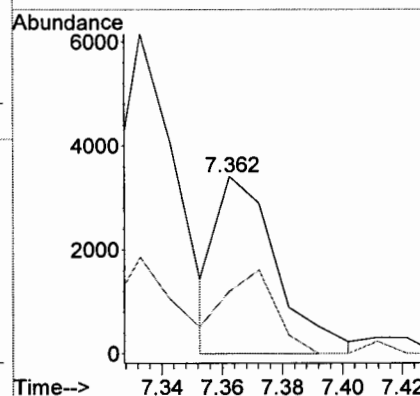
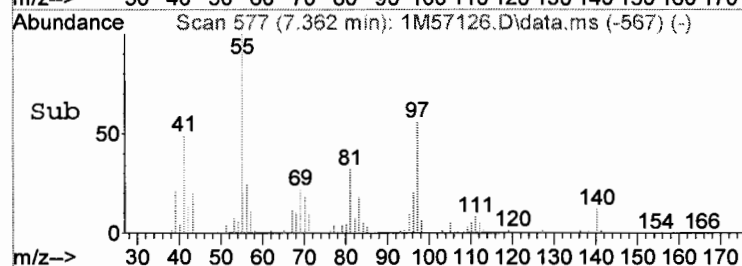
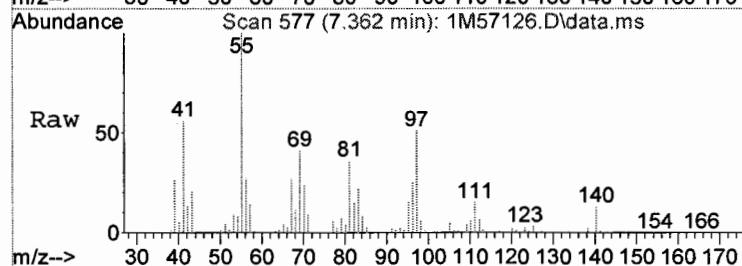
Acq: 10 May 2010 15:40

Tgt Ion:105 Resp: 4687

Ion Ratio Lower Upper

105 100

120 60.6 0.0 94.0



#86

sec-Butylbenzene

Concen: 4.12 ug/l

RT: 7.717 min Scan# 613

Delta R.T. -0.010 min

Lab File: 1M57126.D

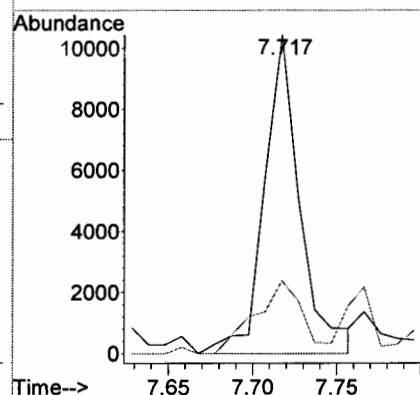
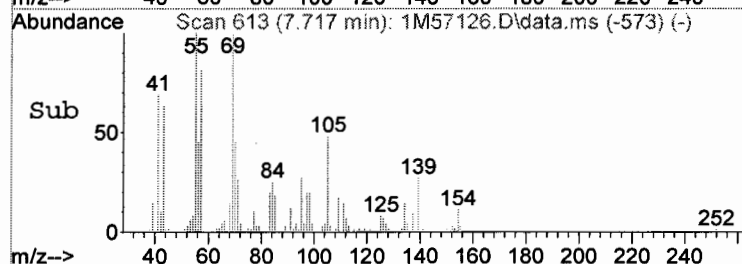
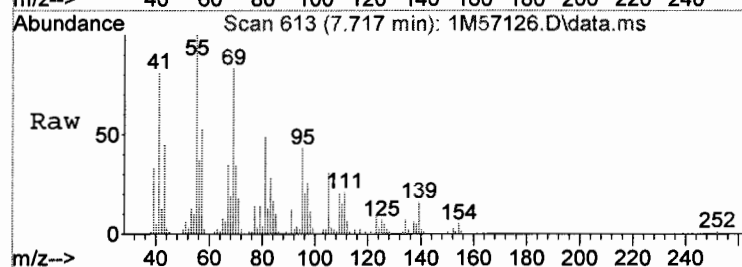
Acq: 10 May 2010 15:40

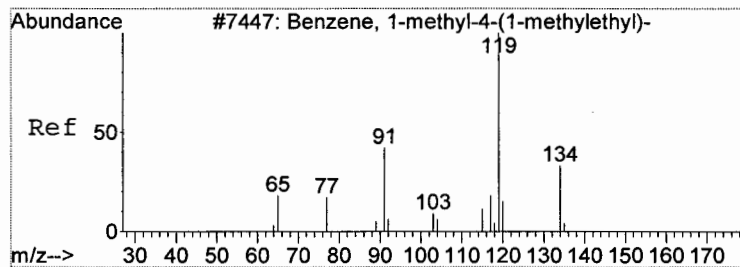
Tgt Ion:105 Resp: 15267

Ion Ratio Lower Upper

105 100

134 31.5 0.0 61.8





#87

4-Isopropyltoluene

Concen: 1.19 ug/l m

RT: 7.796 min Scan# 621

Delta R.T. -0.010 min

Lab File: 1M57126.D

Acq: 10 May 2010 15:40

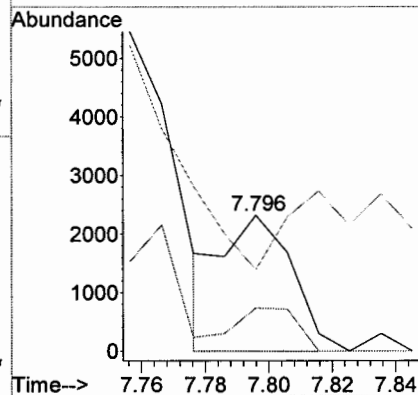
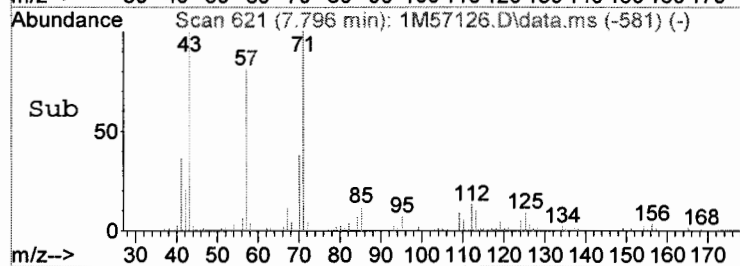
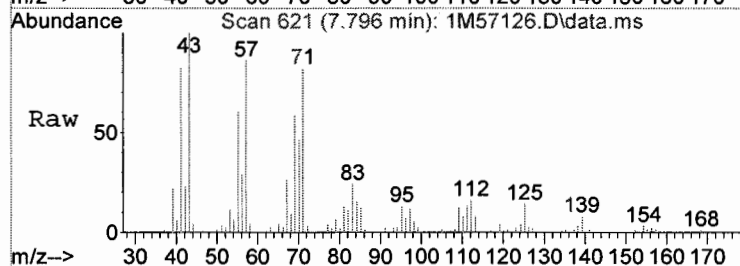
Tgt Ion: 119 Resp: 3500

Ion Ratio Lower Upper

119 100

134 53.9 0.0 66.7

91 140.3 0.0 66.3#



LSC Area Percent Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-10-10\
 Data File : 1M57126.D
 Acq On : 10 May 2010 15:40
 Operator : WP
 Sample : AC51387-002(5X)
 Misc : S,5G!5
 ALS Vial : 59 Sample Multiplier: 1

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 1000 Area counts

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0430.M

Title : @GCMS_1,ug,624,8260

Signal : TIC: 1M57126.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.295	3	5	12	rVB	17116	42157	2.56%	0.131%
2	1.546	12	20	23	rBV4	7810	51751	3.15%	0.161%
3	1.630	23	25	27	rVV3	2273	6287	0.38%	0.020%
4	1.898	39	41	49	rVB6	7923	54351	3.30%	0.169%
5	2.791	108	113	115	rBV2	5552	8072	0.49%	0.025%
6	3.225	156	157	161	rBV2	1785	3442	0.21%	0.011%
7	4.141	247	250	257	rBV	57237	78375	4.76%	0.244%
8	4.229	257	259	262	rVB	4345	7544	0.46%	0.023%
9	4.308	265	267	268	rBV	3247	3602	0.22%	0.011%
10	4.367	268	273	279	rVB	50429	65398	3.98%	0.204%
11	4.446	279	281	284	rVB	1967	3092	0.19%	0.010%
12	4.525	288	289	292	rBV2	2986	3100	0.19%	0.010%
13	4.584	292	295	299	rBV	125243	177170	10.77%	0.552%
14	4.949	327	332	337	rBV2	42053	68975	4.19%	0.215%
15	5.057	341	343	345	rVV3	2563	3898	0.24%	0.012%
16	5.106	345	348	350	rVB2	6947	10744	0.65%	0.033%
17	5.195	355	357	362	rVB2	10787	15920	0.97%	0.050%
18	5.274	362	365	366	rBV2	11281	16391	1.00%	0.051%
19	5.303	366	368	373	rVV3	29980	53534	3.25%	0.167%
20	5.402	373	378	381	rVV2	26087	45527	2.77%	0.142%
21	5.481	383	386	389	rVB3	6041	11589	0.70%	0.036%
22	5.560	389	394	397	rBV2	188389	322777	19.62%	1.005%
23	5.648	399	403	409	rVB4	41053	91117	5.54%	0.284%
24	5.766	412	415	417	rVB	37193	50395	3.06%	0.157%
25	5.826	417	421	424	rBV3	44402	66323	4.03%	0.206%
26	5.885	424	427	429	rVB2	20397	29751	1.81%	0.093%
27	5.934	429	432	435	rVB	66741	95358	5.80%	0.297%
28	6.003	435	439	443	rBV2	40984	89707	5.45%	0.279%
29	6.062	443	445	446	rBV	20874	28730	1.75%	0.089%
30	6.111	446	450	451	rBV2	56721	108463	6.59%	0.338%
31	6.141	451	453	458	rVB	207248	266257	16.19%	0.829%
32	6.210	458	460	462	rBV	87746	92863	5.64%	0.289%
33	6.249	462	464	469	rVB2	157092	237936	14.46%	0.741%
34	6.318	469	471	474	rBV	145486	179406	10.91%	0.559%
35	6.358	474	475	479	rVB4	30256	38643	2.35%	0.120%

LSC Area Percent Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-10-10\
 Data File : 1M57126.D
 Acq On : 10 May 2010 15:40
 Operator : WP
 Sample : AC51387-002(5X)
 Misc : S,5G!5
 ALS Vial : 59 Sample Multiplier: 1

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 1000 Area counts

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0430.M
 Title : @GCMS_1,ug,624,8260

36	6.427	479	482	485	rVB	139340	202321	12.30%	0.630%
37	6.505	485	490	491	rBV2	78441	122372	7.44%	0.381%
38	6.545	491	494	496	rBV3	74029	120405	7.32%	0.375%
39	6.604	496	500	503	rVB3	194110	441176	26.82%	1.374%
40	6.663	503	506	508	rBV3	34486	76302	4.64%	0.238%
41	6.712	508	511	513	rVB	95801	129277	7.86%	0.402%
42	6.771	513	517	520	rBV2	212984	484631	29.46%	1.509%
43	6.840	520	524	527	rVB2	430396	696752	42.35%	2.169%
44	6.939	527	534	537	rBV4	380702	1213626	73.77%	3.779%
45	6.988	537	539	541	rBV3	73817	96189	5.85%	0.299%
46	7.057	541	546	551	rVB2	361863	870906	52.94%	2.712%
47	7.126	551	553	556	rVB3	308035	476313	28.95%	1.483%
48	7.185	556	559	563	rBV4	111225	271987	16.53%	0.847%
49	7.244	563	565	568	rVB2	447914	609915	37.08%	1.899%
50	7.313	568	572	573	rBV2	130843	290427	17.65%	0.904%
51	7.362	573	577	580	rBV5	270636	709945	43.16%	2.210%
52	7.471	584	588	590	rBV4	200452	369905	22.49%	1.152%
53	7.520	590	593	596	rVV	503900	769386	46.77%	2.395%
54	7.560	596	597	601	rVB3	160971	302304	18.38%	0.941%
55	7.619	601	603	605	rBV3	234633	387289	23.54%	1.206%
56	7.668	605	608	610	rVB3	249815	359174	21.83%	1.118%
57	7.757	610	617	620	rBV4	444288	1516333	92.18%	4.721%
58	7.845	625	626	627	rBV	57425	57977	3.52%	0.181%
59	7.875	627	629	633	rVB2	267378	405177	24.63%	1.262%
60	7.963	633	638	642	rBV3	299336	789583	48.00%	2.458%
61	8.023	642	644	646	rBV2	50905	68015	4.13%	0.212%
62	8.101	646	652	656	rBV4	586011	1554317	94.48%	4.839%
63	8.170	657	659	660	rVV	91481	91004	5.53%	0.283%
64	8.210	660	663	665	rVB	330684	501433	30.48%	1.561%
65	8.279	665	670	674	rVB3	549450	1407121	85.54%	4.381%
66	8.377	674	680	683	rBV2	578220	1458323	88.65%	4.540%
67	8.456	686	688	690	rBV2	204695	295046	17.94%	0.919%
68	8.505	690	693	695	rVV3	546116	1026827	62.42%	3.197%
69	8.535	695	696	699	rVB3	250802	278947	16.96%	0.868%
70	8.614	702	704	705	rBV2	188612	231714	14.09%	0.721%
71	8.643	705	707	714	rVB5	303706	597415	36.32%	1.860%
72	8.732	714	716	718	rVB2	113931	154696	9.40%	0.482%
73	8.771	718	720	721	rBV	196081	282713	17.19%	0.880%
74	8.801	721	723	725	rVB2	114614	155377	9.45%	0.484%
75	8.860	725	729	735	rBV4	704159	1645057	100.00%	5.122%

LSC Area Percent Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-10-10\
 Data File : 1M57126.D
 Acq On : 10 May 2010 15:40
 Operator : WP
 Sample : AC51387-002(5X)
 Misc : S,5G!5
 ALS Vial : 59 Sample Multiplier: 1

Integration Parameters: RTEINT.P
 Integrator: RTE
 Smoothing : ON
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0

Filtering: 5
 Min Area: 1000 Area counts
 Max Peaks: 100
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0430.M
 Title : @GCMS_1,ug,624,8260

76	9.018	740	745	747 rBV4	235504	640118	38.91%	1.993%
77	9.077	747	751	753 rVV	580884	1074366	65.31%	3.345%
78	9.116	753	755	758 rVV3	359136	760232	46.21%	2.367%
79	9.175	758	761	764 rVV2	562622	1409523	85.68%	4.388%
80	9.215	764	765	767 rVV2	366361	397903	24.19%	1.239%
81	9.254	767	769	771 rVV	279021	421988	25.65%	1.314%
82	9.284	771	772	774 rVV2	148031	194702	11.84%	0.606%
83	9.353	774	779	780 rVV4	146424	410481	24.95%	1.278%
84	9.392	780	783	795 rVV4	308358	1125622	68.42%	3.505%
85	9.540	795	798	800 rVV4	140055	262587	15.96%	0.818%
86	9.589	800	803	805 rVB2	249837	392364	23.85%	1.222%
87	9.658	805	810	813 rBV4	170025	432532	26.29%	1.347%
88	9.727	813	817	820 rVB5	91717	238653	14.51%	0.743%
89	9.786	820	823	826 rBV4	101956	226982	13.80%	0.707%
90	9.885	829	833	835 rBV4	81895	184238	11.20%	0.574%

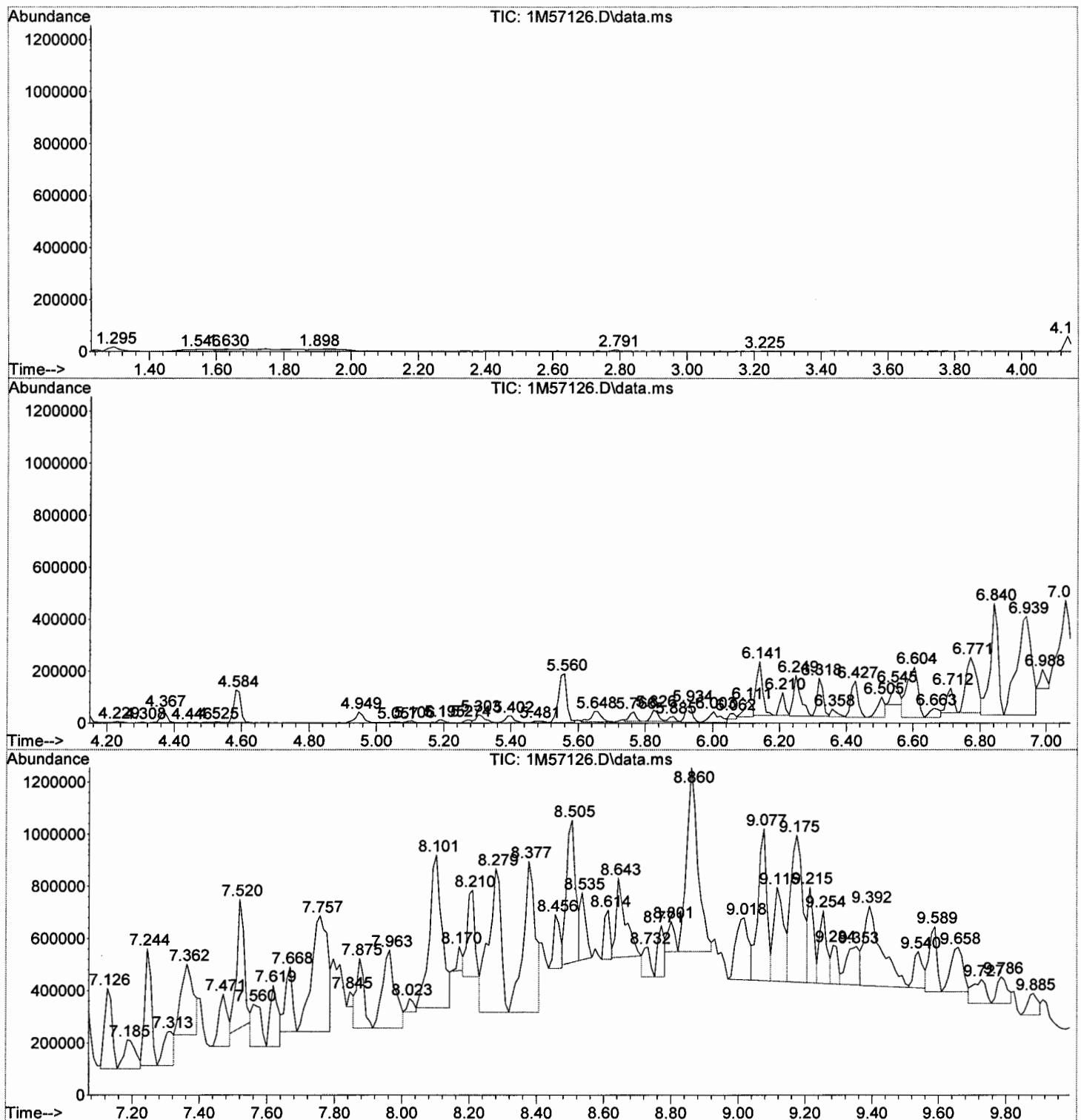
Sum of corrected areas: 32118613

LSC Report - Integrated Chromatogram

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-10-10\
Data File : 1M57126.D
Acq On : 10 May 2010 15:40
Operator : WP
Sample : AC51387-002(5X)
Misc : S,5G!5
ALS Vial : 59 Sample Multiplier: 1

Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0430.M
Quant Title : @GCMS_1,ug,624,8260

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-10-10\
 Data File : 1M57126.D
 Acq On : 10 May 2010 15:40
 Operator : WP
 Sample : AC51387-002(5X)
 Misc : S,5G!5
 ALS Vial : 59 Sample Multiplier: 1

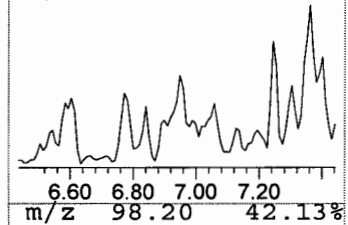
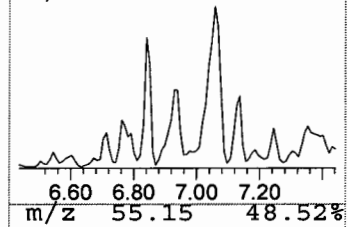
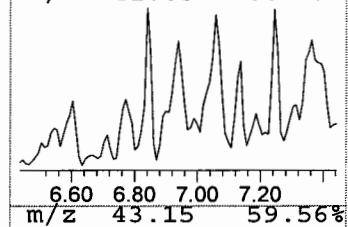
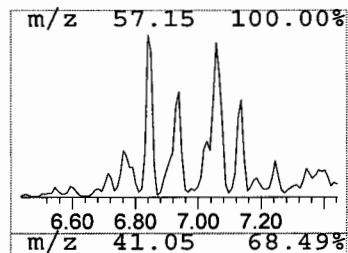
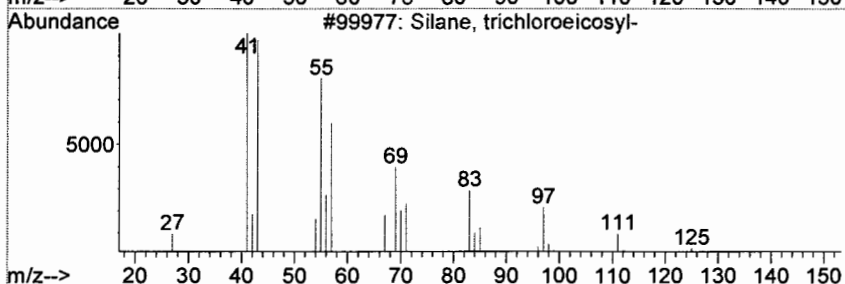
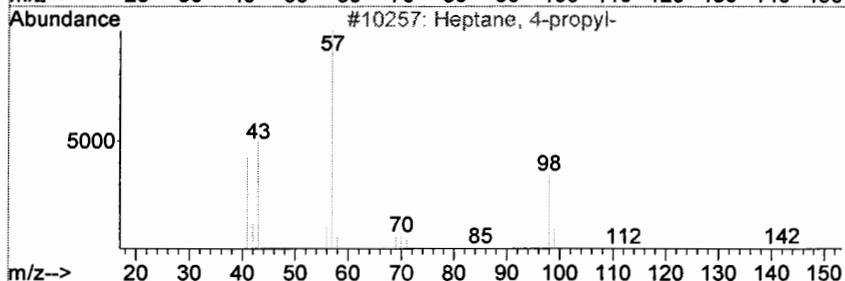
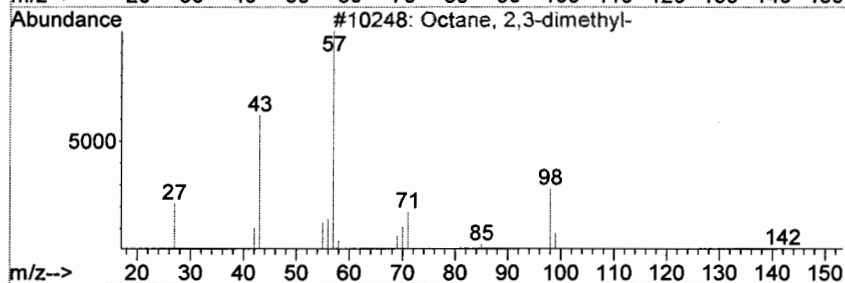
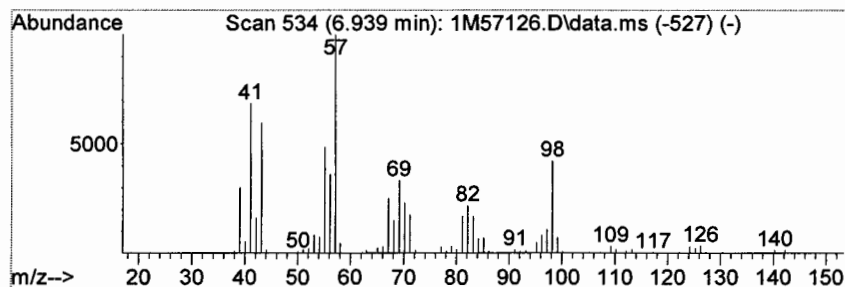
Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0430.M
 Quant Title : @GCMS_1,ug,624,8260

TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 1 unknown Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.94	179.96 ug/l	1213626	LibIS-Chlorobenzene-d5	6.43

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	27
2			Heptane, 4-propyl-	142	C10H22	003178-29-8	14
3			Silane, trichloroeicosyl-	414	C20H41Cl3Si	018733-57-8	10
4			Hexane, 1-(hexyloxy)-5-methyl-	200	C13H28O	074421-19-5	35
5			Nonane, 4-methyl-	142	C10H22	017301-94-9	10



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-10-10\
 Data File : 1M57126.D
 Acq On : 10 May 2010 15:40
 Operator : WP
 Sample : AC51387-002(5X)
 Misc : S,5G!5
 ALS Vial : 59 Sample Multiplier: 1

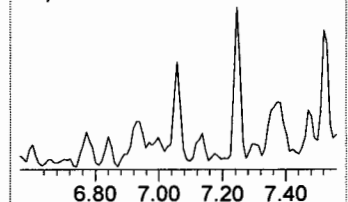
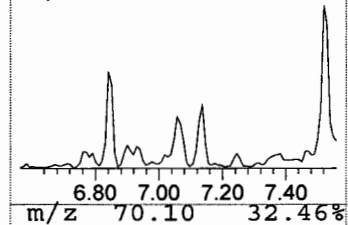
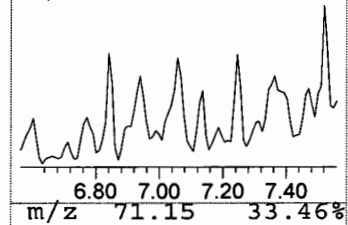
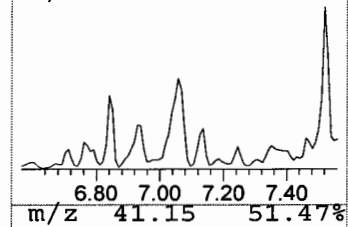
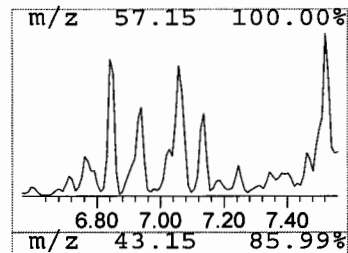
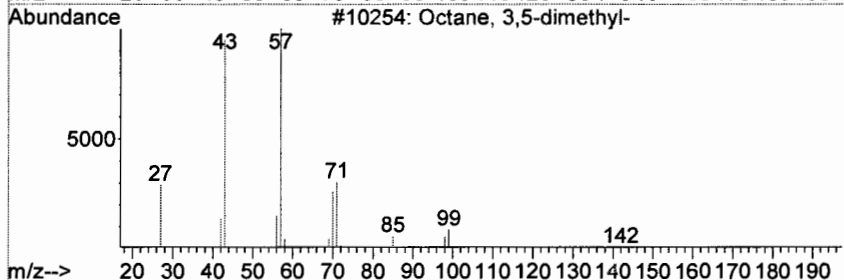
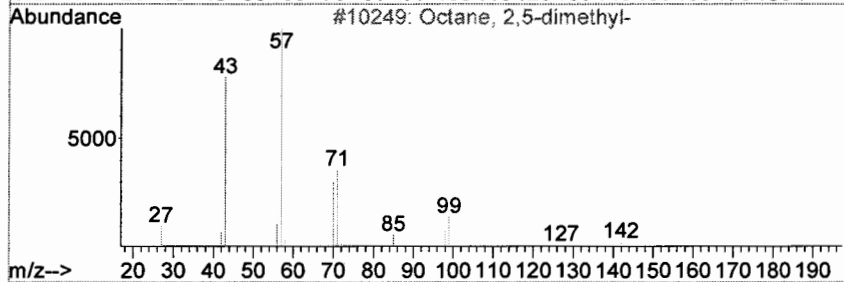
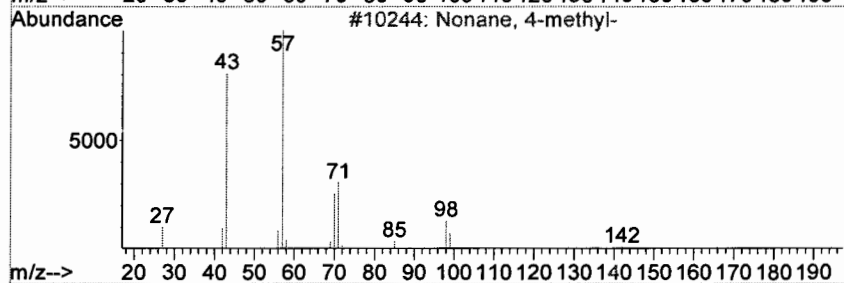
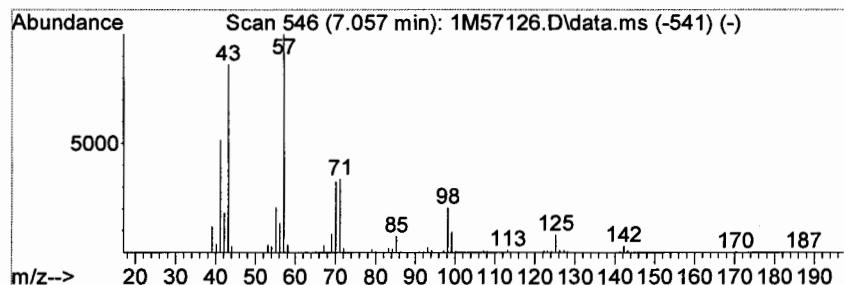
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TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 2 Nonane, 4-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.06	129.14 ug/l	870906	LibIS-Chlorobenzene-d5	6.43

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Nonane, 4-methyl-	142	C10H22	017301-94-9	64
2			Octane, 2,5-dimethyl-	142	C10H22	015869-89-3	64
3			Octane, 3,5-dimethyl-	142	C10H22	015869-93-9	72
4			Heptane, 2,3,4-trimethyl-	142	C10H22	052896-95-4	45
5			Octane, 2,5-dimethyl-	142	C10H22	015869-89-3	64



Library Search Compound Report

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 ALS Vial : 59 Sample Multiplier: 1

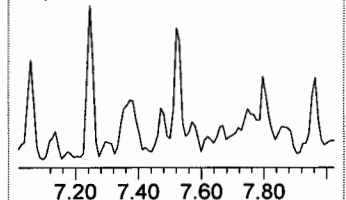
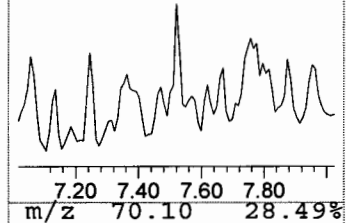
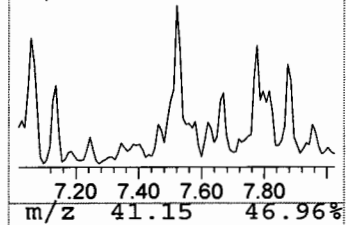
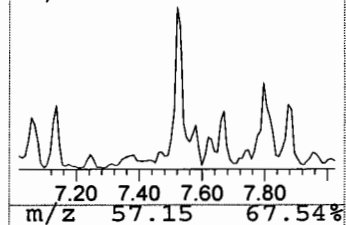
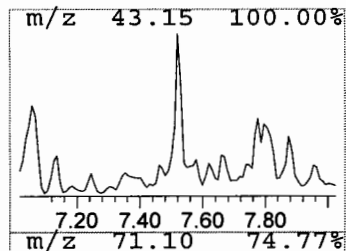
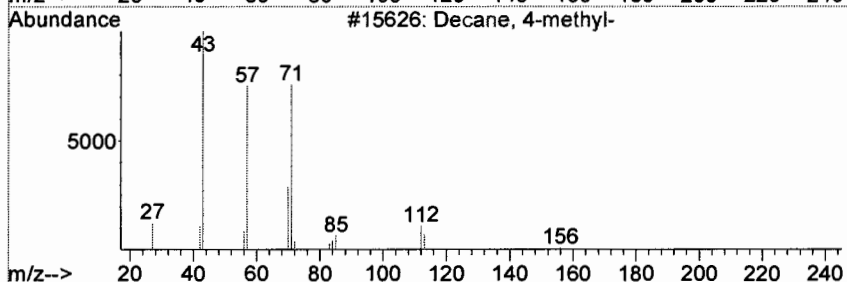
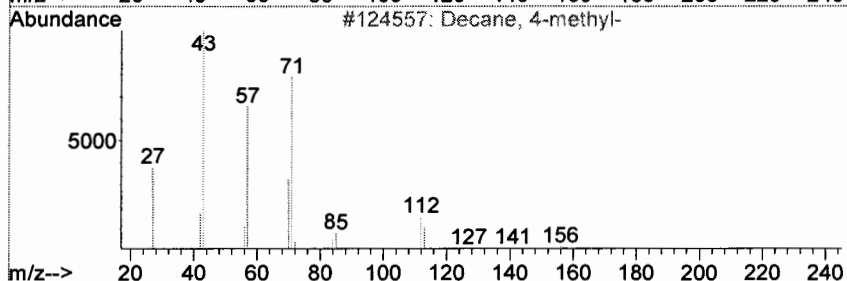
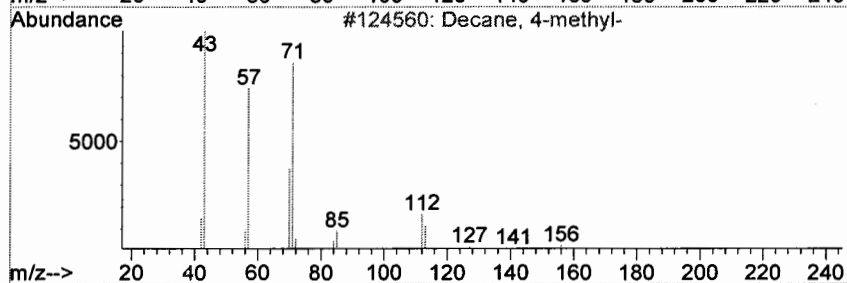
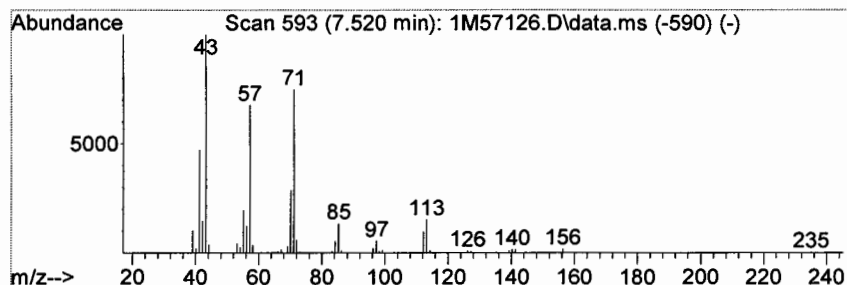
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TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 3 Decane, 4-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.52	115.92 ug/l	769386	LibIS-1,4-Dichlorobenzene-d4	7.85

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Decane, 4-methyl-	156	C11H24	002847-72-5	91
2		Decane, 4-methyl-	156	C11H24	002847-72-5	49
3		Decane, 4-methyl-	156	C11H24	002847-72-5	90
4		Octane, 3,3-dimethyl-	142	C10H22	004110-44-5	72
5		Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	64



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-10-10\
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 ALS Vial : 59 Sample Multiplier: 1

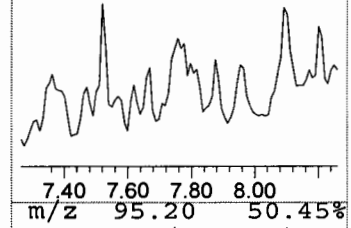
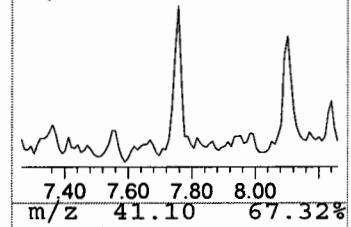
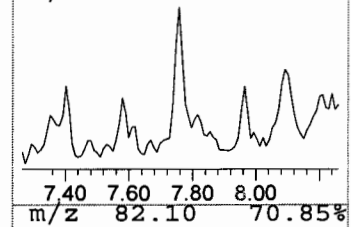
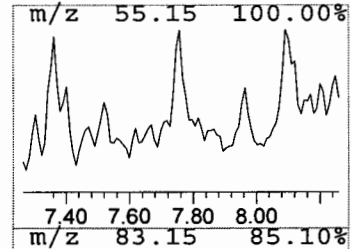
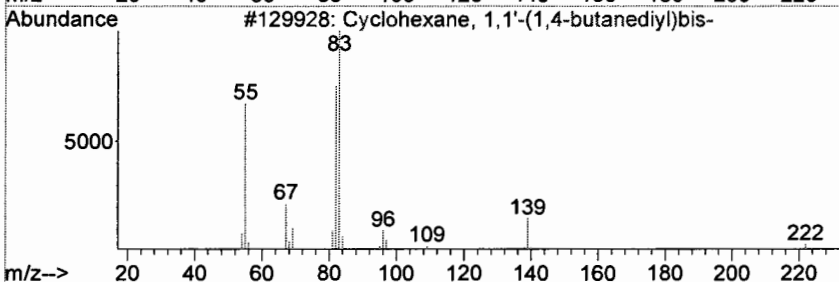
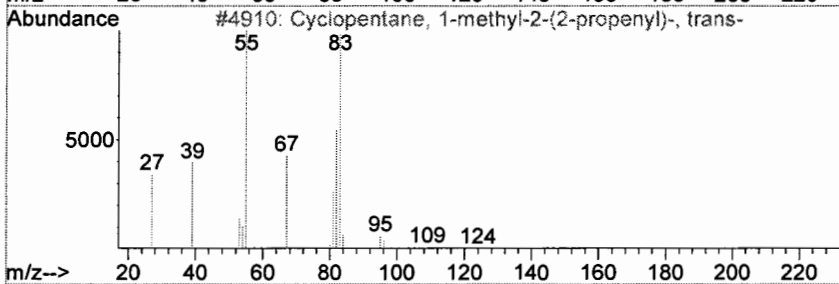
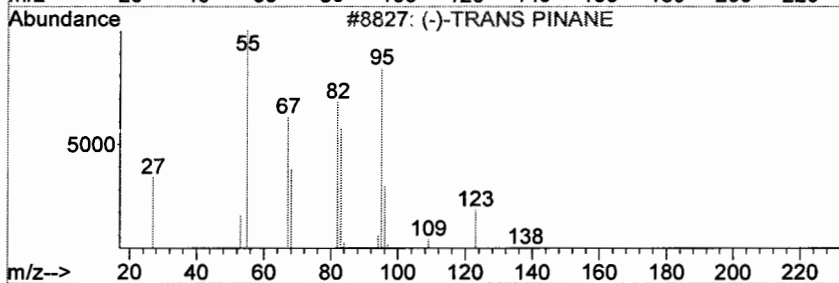
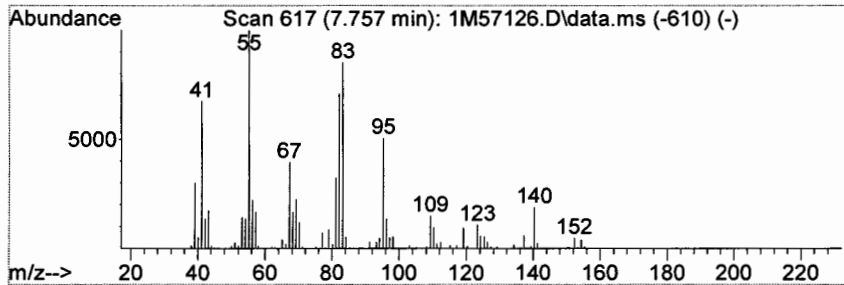
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TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 4 Cyclopentane, 1-methyl-2-(2... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.76	228.47 ug/l	1516333	LibIS-1,4-Dichlorobenzene-d4	7.85

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	(-)-TRANS PINANE			138	C10H18	000473-55-2	35
2	Cyclopentane, 1-methyl-2-(2-prop...			124	C9H16	050746-53-7	50
3	Cyclohexane, 1,1'-(1,4-butanediyl...			222	C16H30	006165-44-2	43
4	Cyclohexane, 1-propenyl-			124	C9H16	005364-83-0	46
5	Cyclopentane, 1-methyl-3-(1-meth...			126	C9H18	053771-88-3	49



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-10-10\
 Data File : 1M57126.D
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 ALS Vial : 59 Sample Multiplier: 1

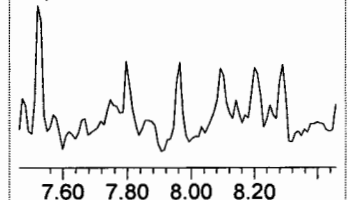
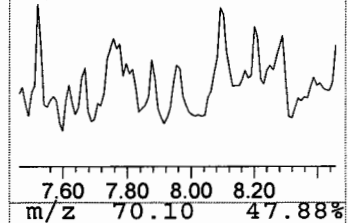
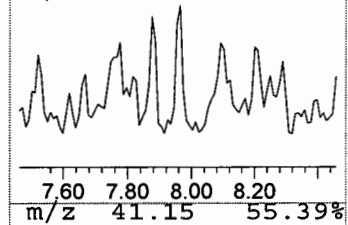
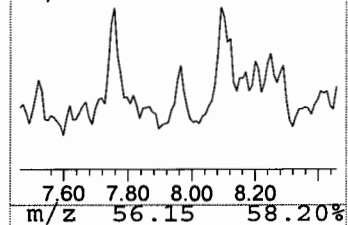
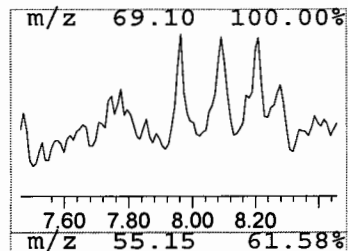
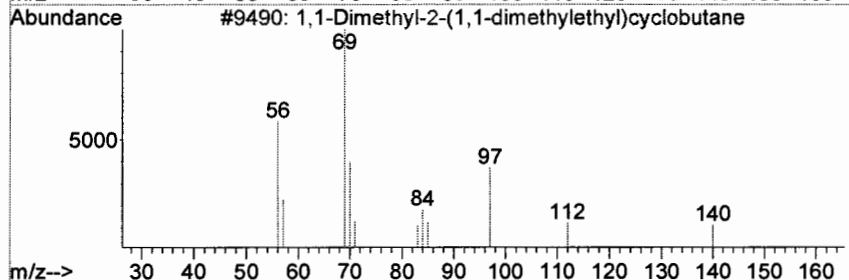
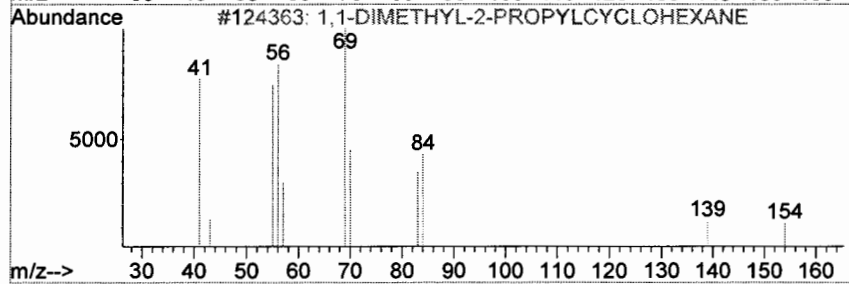
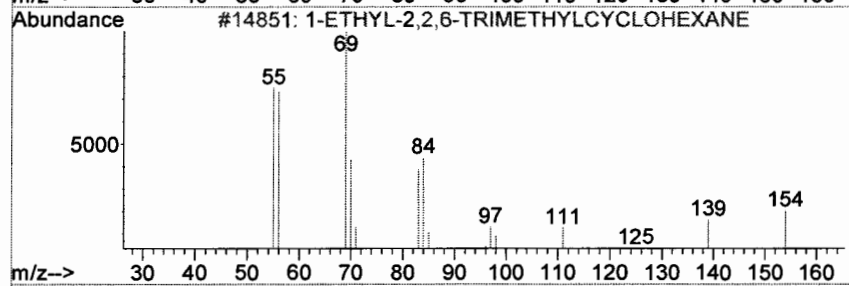
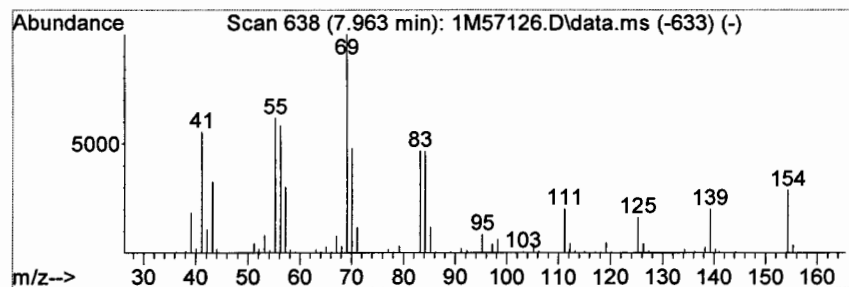
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TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 5 unknown Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.96	118.97 ug/l	789583	LibIS-1,4-Dichlorobenzene-d4	7.85

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-ETHYL-2,2,6-TRIMETHYLCYCLOHEXANE	154	C11H22	000000-00-0	40
2			1,1-DIMETHYL-2-PROPYLCYCLOHEXANE	154	C11H22	081983-71-3	47
3			1,1-Dimethyl-2-(1,1-dimethylethy...	140	C10H20	079802-53-2	47
4			Cyclopentane, (2-methylbutyl)-	140	C10H20	053366-38-4	43
5			1-Hexene, 3,5,5-trimethyl-	126	C9H18	004316-65-8	43



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-10-10\
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 ALS Vial : 59 Sample Multiplier: 1

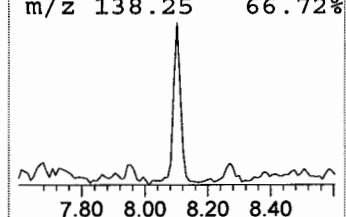
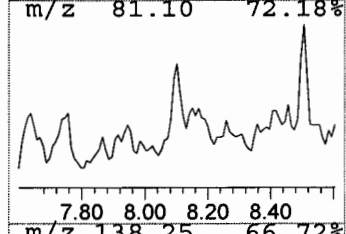
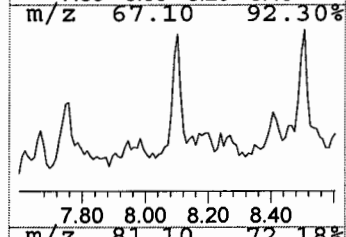
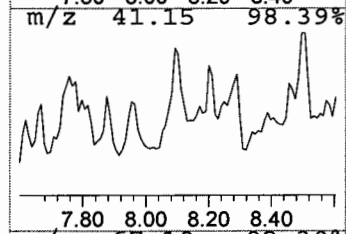
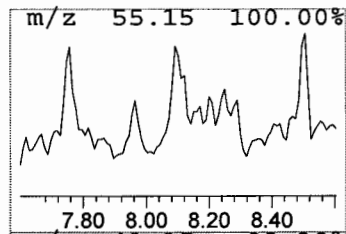
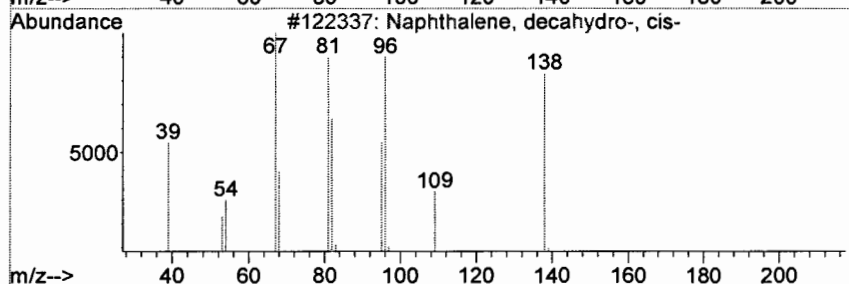
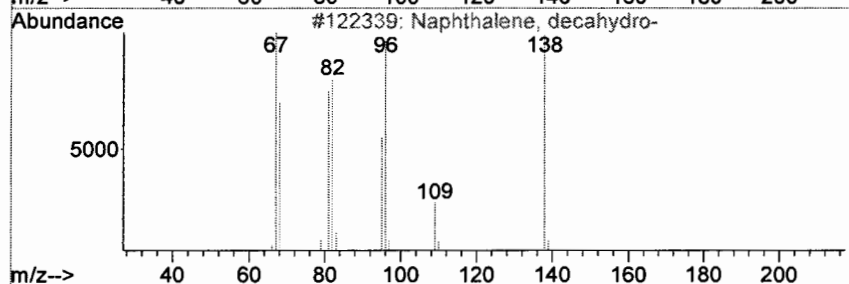
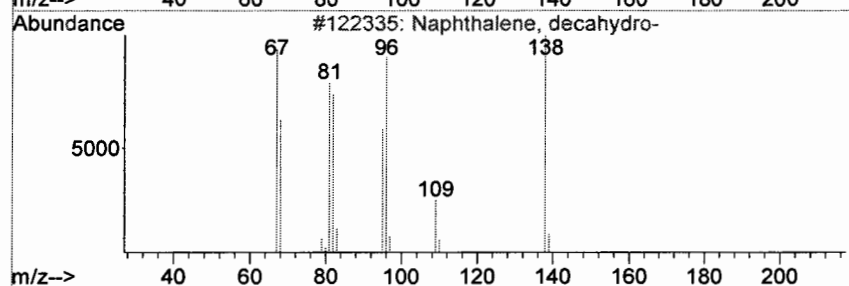
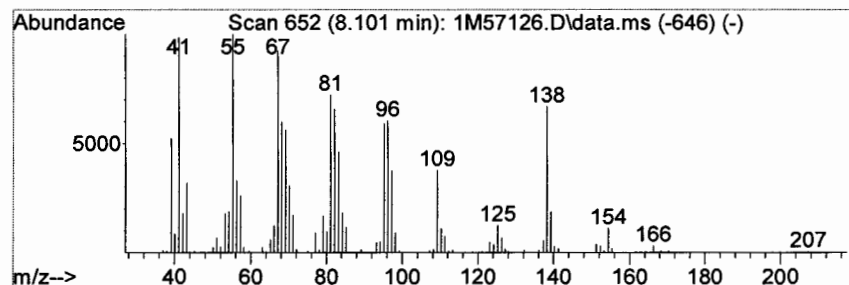
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TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 6 Naphthalene, decahydro- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.10	234.19 ug/l	1554317	LibIS-1,4-Dichlorobenzene-d4	7.85

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, decahydro-	138	C10H18	000091-17-8	81
2			Naphthalene, decahydro-	138	C10H18	000091-17-8	64
3			Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	62
4			Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	52
5			Naphthalene, decahydro-	138	C10H18	000091-17-8	58



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-10-10\
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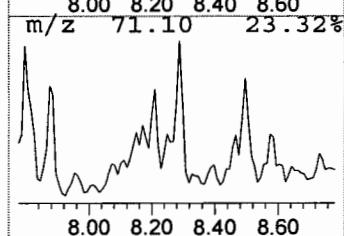
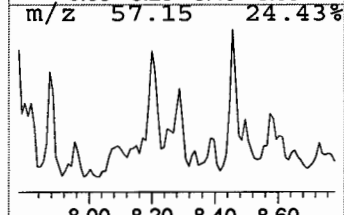
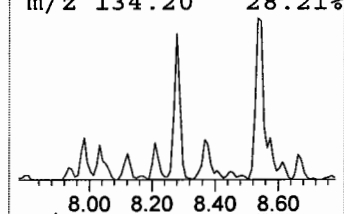
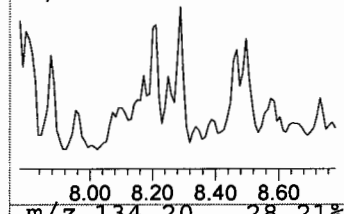
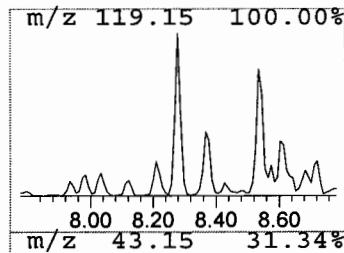
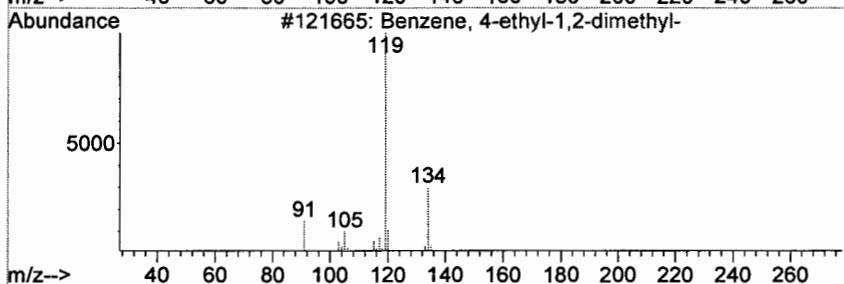
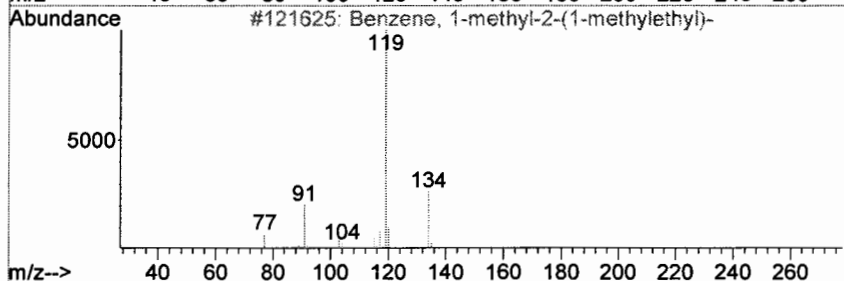
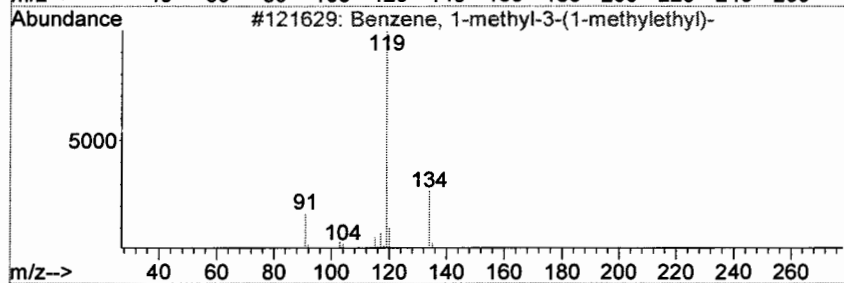
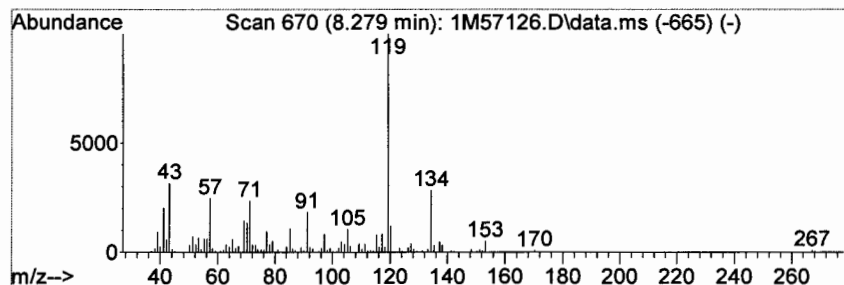
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TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

Peak Number 7 Benzene, 1-methyl-3-(1-meth... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.28	212.01 ug/l	1407121	LibIS-1,4-Dichlorobenzene-d4	7.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
2		Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	95
3		Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	93
4		Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
5		Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	92



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-10-10\
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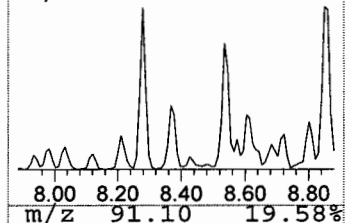
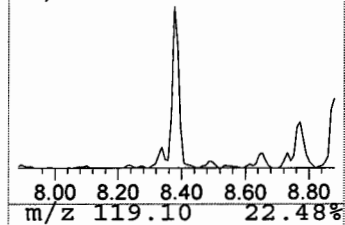
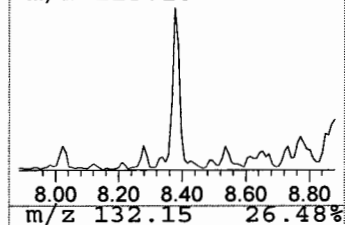
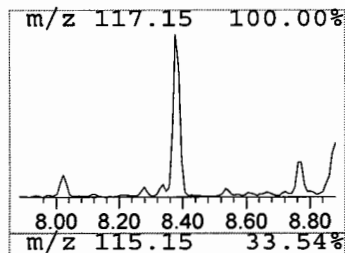
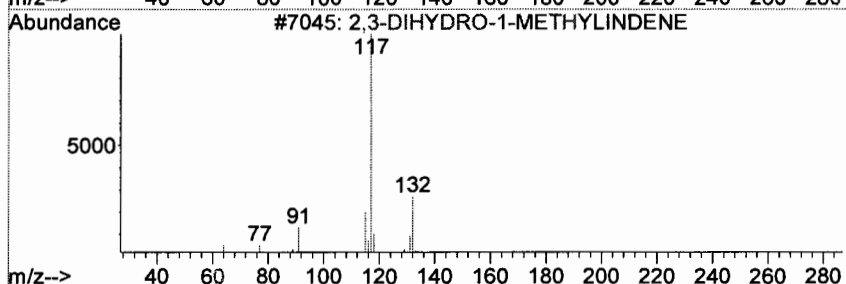
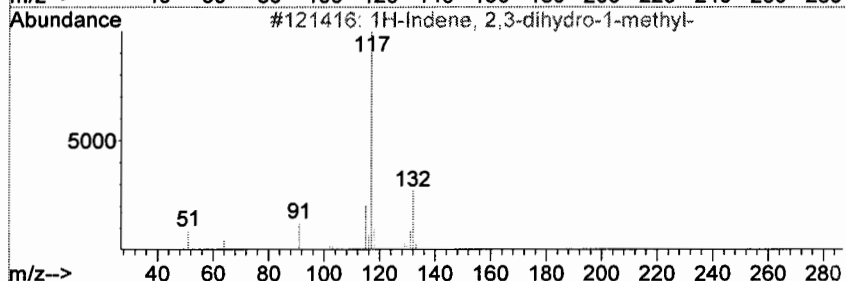
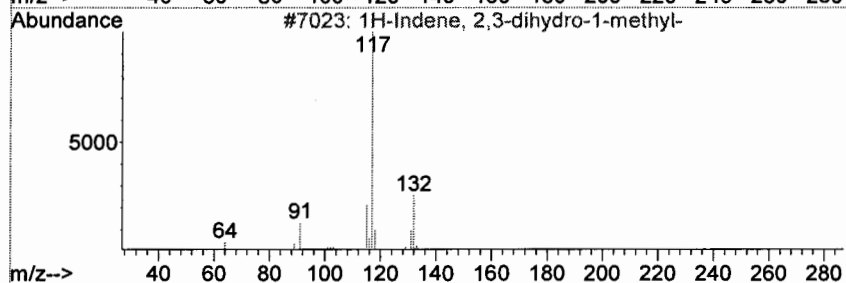
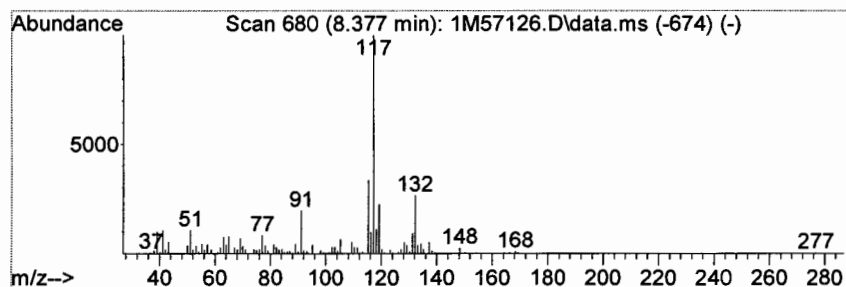
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TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 8 1H-Indene, 2,3-dihydro-1-me... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.38	219.73 ug/l	1458323	LibIS-1,4-Dichlorobenzene-d4	7.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Indene, 2,3-dihydro-1-methyl-	132	C10H12	000767-58-8	76
2		1H-Indene, 2,3-dihydro-1-methyl-	132	C10H12	000767-58-8	76
3		2,3-DIHYDRO-1-METHYLINDENE	132	C10H12	027133-93-3	76
4		1H-Indene, 2,3-dihydro-1-methyl-	132	C10H12	000767-58-8	76
5		1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	53



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-10-10\
 Data File : 1M57126.D
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 Operator : WP
 Sample : AC51387-002(5X)
 Misc : S,5G!5
 ALS Vial : 59 Sample Multiplier: 1

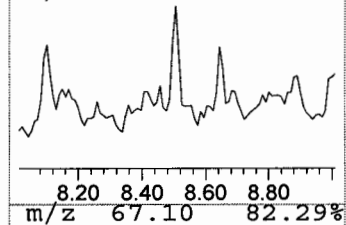
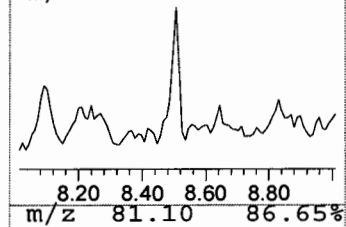
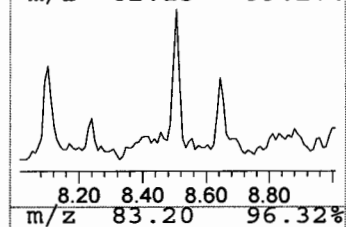
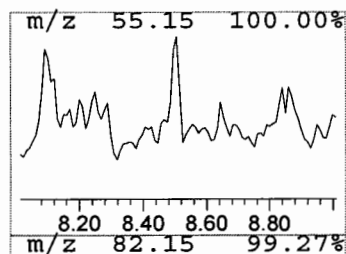
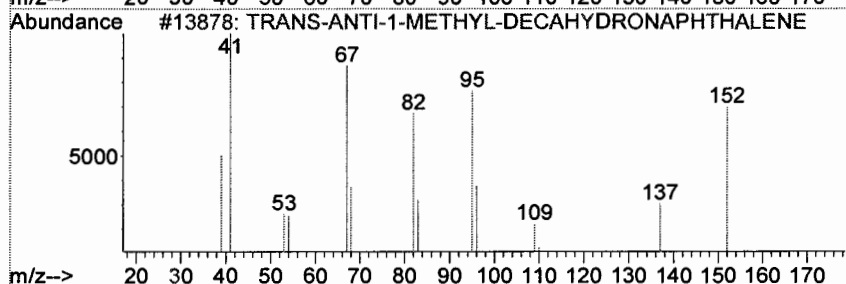
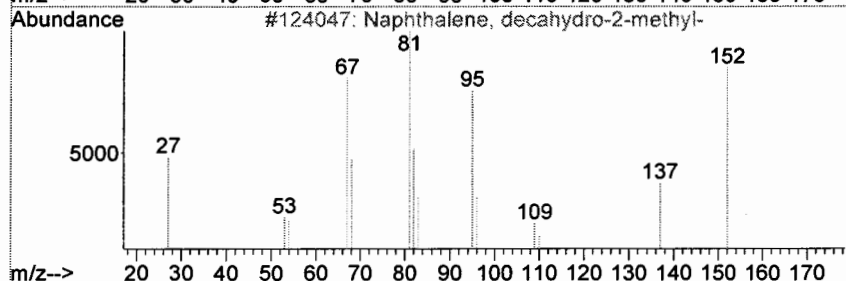
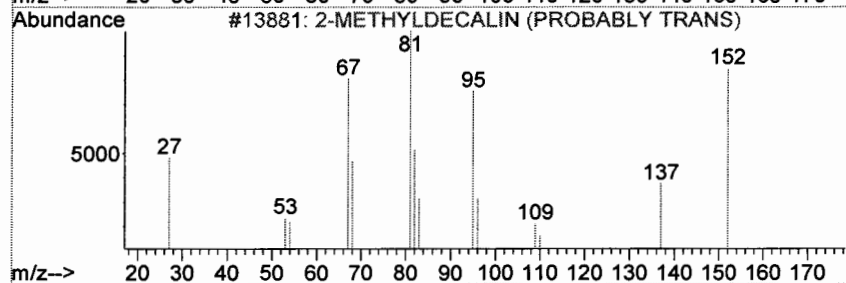
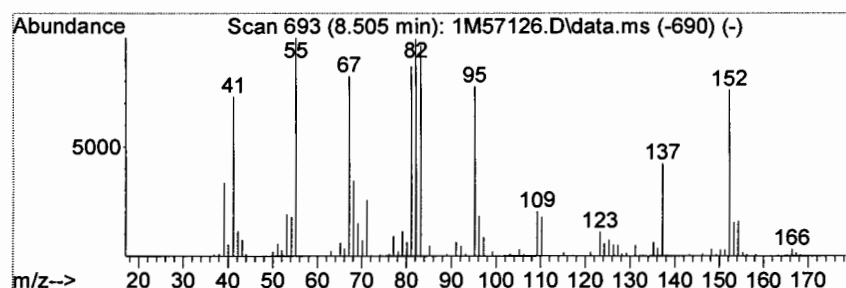
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 Quant Title : @GCMS_1,ug,624,8260

TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 9 2-METHYLDECALIN (PROBABLY T... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.51	154.71 ug/l	1026827	LibIS-1,4-Dichlorobenzene-d4	7.85

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-METHYLDECALIN (PROBABLY TRANS)	152	C11H20	002958-76-1	64
2			Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	64
3			TRANS-ANTI-1-METHYL-DECAHYDRONAP...	152	C11H20	000000-00-0	47
4			2-METHYLDECALIN (PROBABLY CIS)	152	C11H20	000000-00-0	38
5			Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	38



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-10-10\
 Data File : 1M57126.D
 Acq On : 10 May 2010 15:40
 Operator : WP
 Sample : AC51387-002(5X)
 Misc : S,5G!5
 ALS Vial : 59 Sample Multiplier: 1

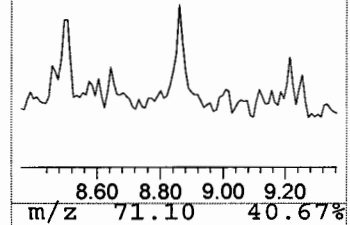
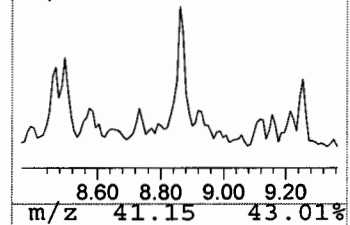
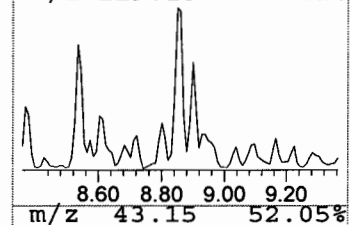
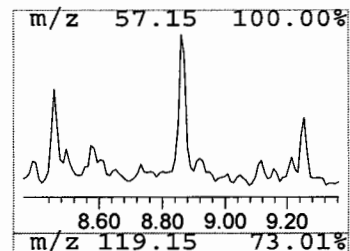
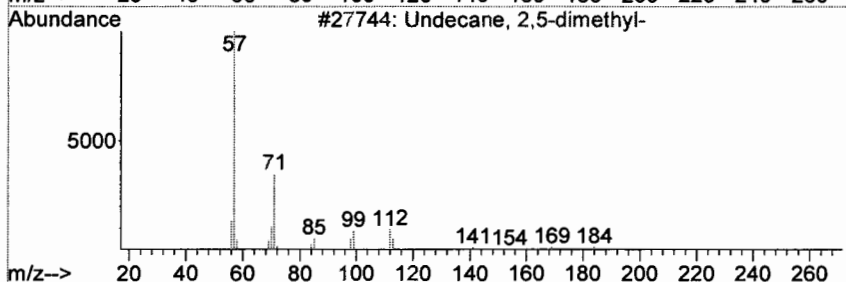
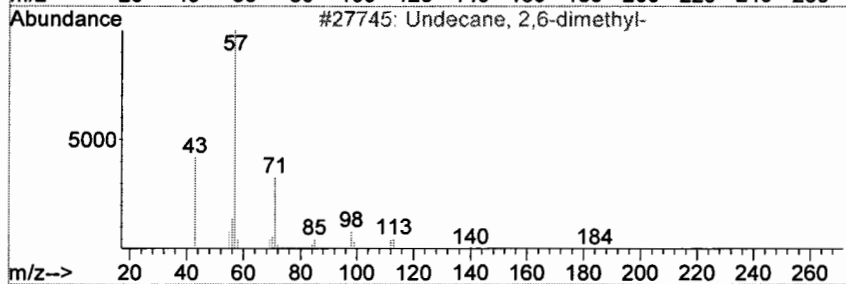
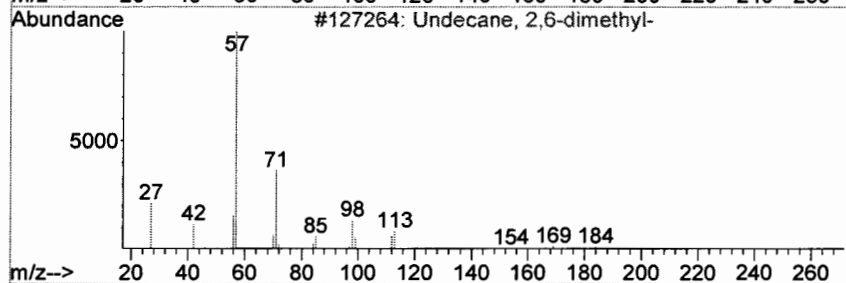
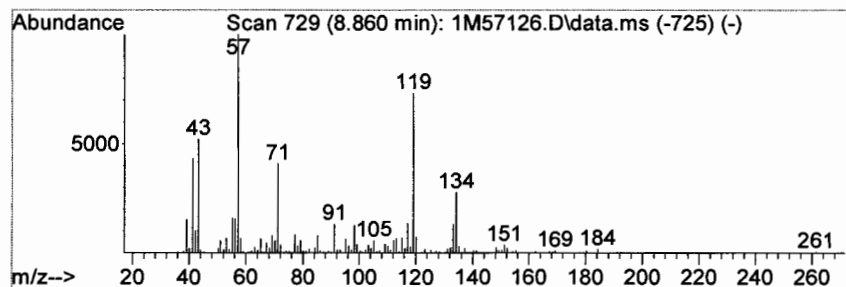
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TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 10 unknown Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.86	247.86 ug/l	1645057	LibIS-1,4-Dichlorobenzene-d4	7.85

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	41
2			Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	38
3			Undecane, 2,5-dimethyl-	184	C13H28	017301-22-3	46
4			Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	46
5			Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	46



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-10-10\
 Data File : 1M57126.D
 Acq On : 10 May 2010 15:40
 Operator : WP
 Sample : AC51387-002(5X)
 Misc : S,5G!5
 ALS Vial : 59 Sample Multiplier: 1

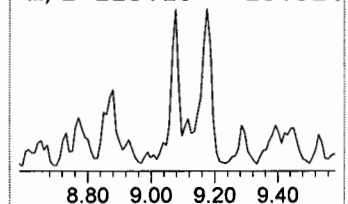
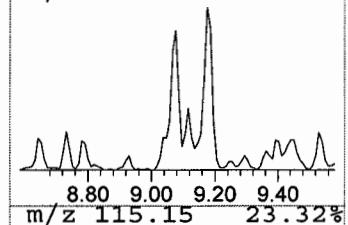
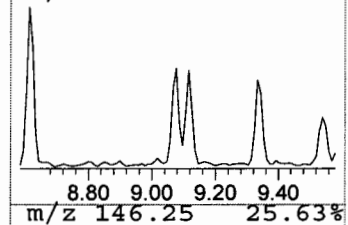
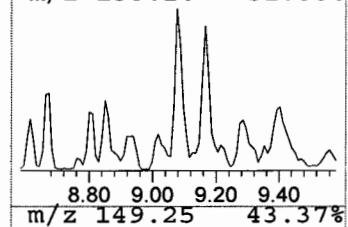
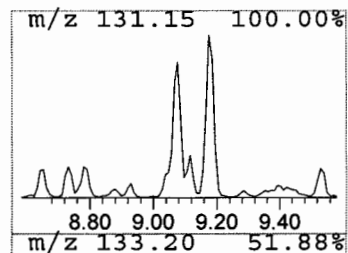
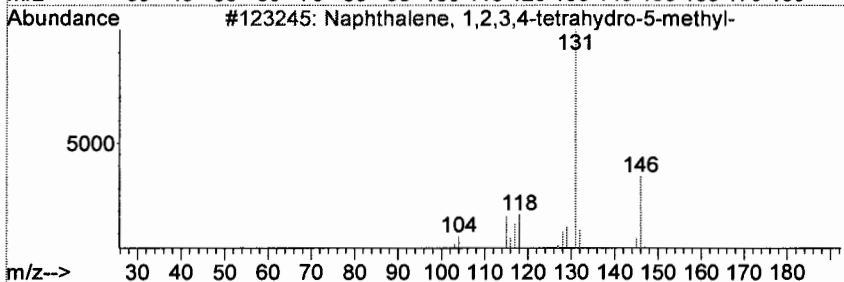
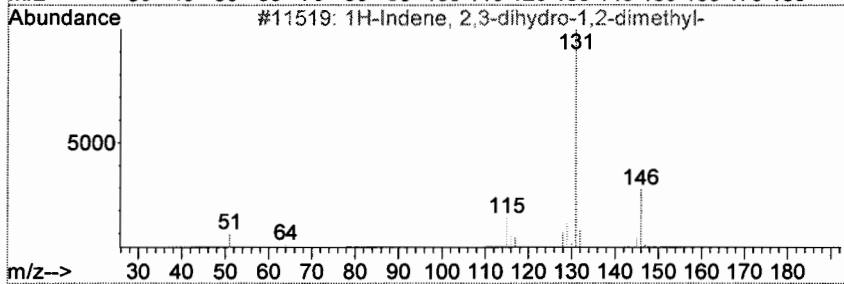
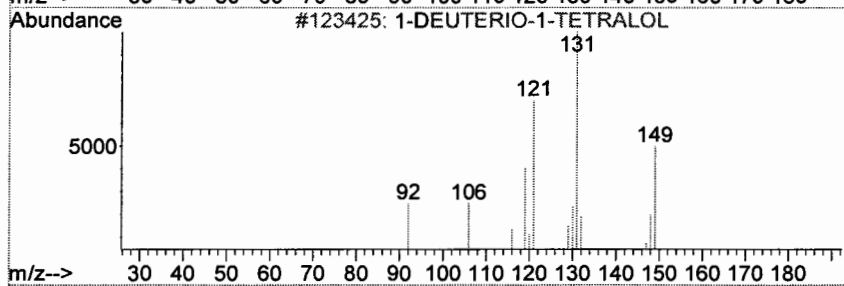
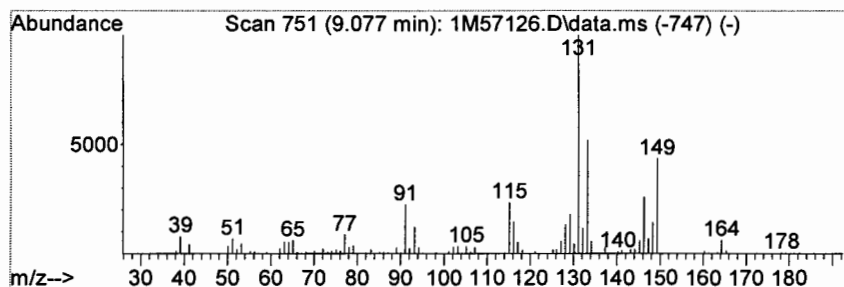
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 Quant Title : @GCMS_1,ug,624,8260

TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 11 1H-Indene, 2,3-dihydro-1,2-... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.08	161.88 ug/l	1074366	LibIS-1,4-Dichlorobenzene-d4	7.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-DEUTERIO-1-TETRALOL	148	C10H11DO	000000-00-0	35
2		1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	53
3		Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	22
4		1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	87
5		1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	60



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-10-10\
 Data File : 1M57126.D
 Acq On : 10 May 2010 15:40
 Operator : WP
 Sample : AC51387-002(5X)
 Misc : S,5G!5
 ALS Vial : 59 Sample Multiplier: 1

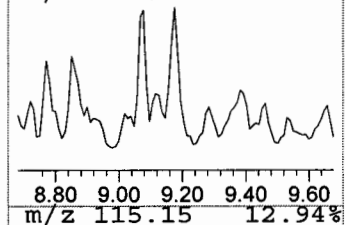
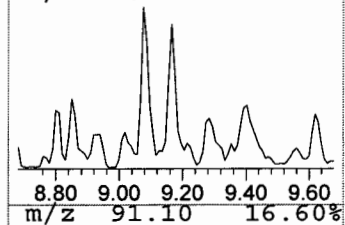
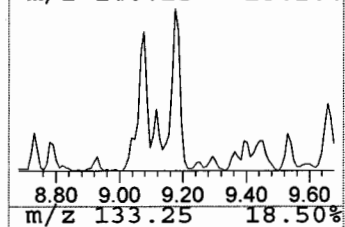
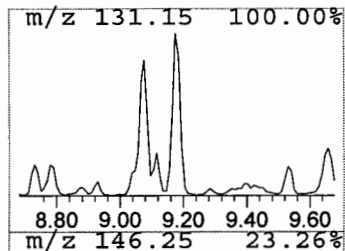
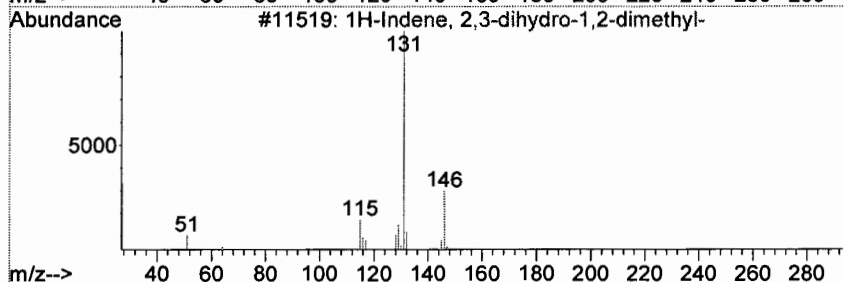
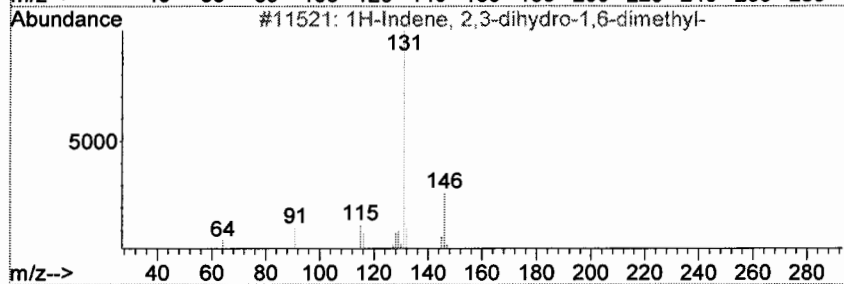
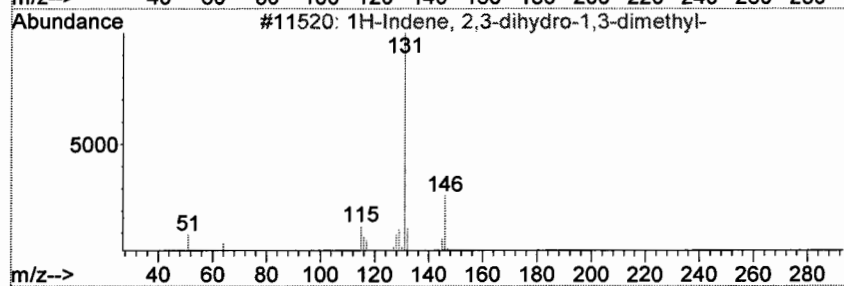
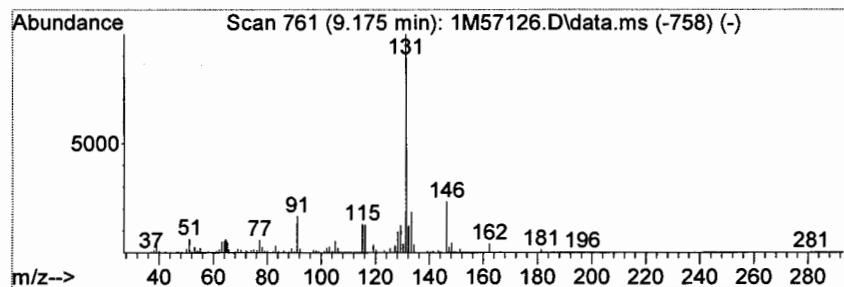
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 Quant Title : @GCMS_1,ug,624,8260

TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 12 1H-Indene, 2,3-dihydro-1,3-... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.18	212.38 ug/l	1409523	LibIS-1,4-Dichlorobenzene-d4	7.85

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	87
2		1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	87
3		1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	83
4		Naphthalene, 1,2,3,4-tetrahydro...	146	C11H14	001559-81-5	46
5		Naphthalene, 1,2,3,4-tetrahydro...	146	C11H14	001559-81-5	46



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-10-10\
 Data File : 1M57126.D
 Acq On : 10 May 2010 15:40
 Operator : WP
 Sample : AC51387-002(5X)
 Misc : S,5G!5
 ALS Vial : 59 Sample Multiplier: 1

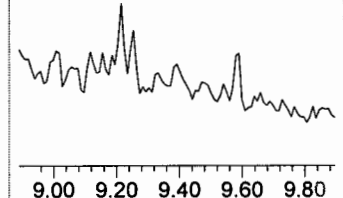
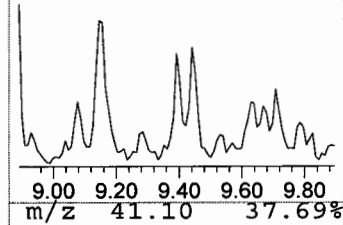
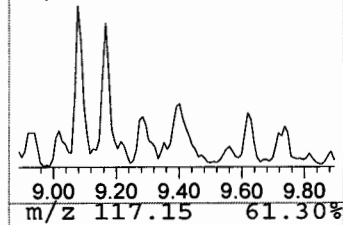
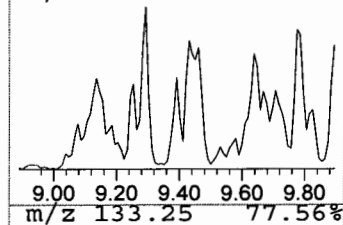
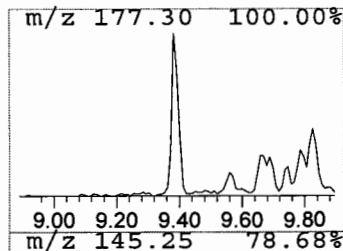
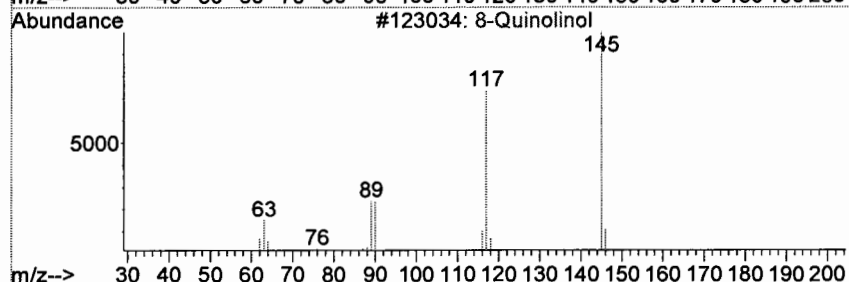
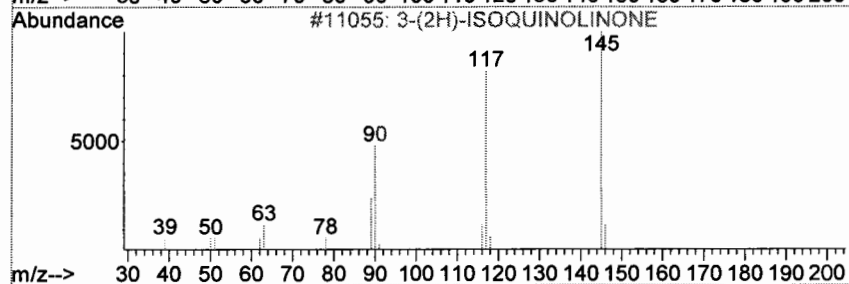
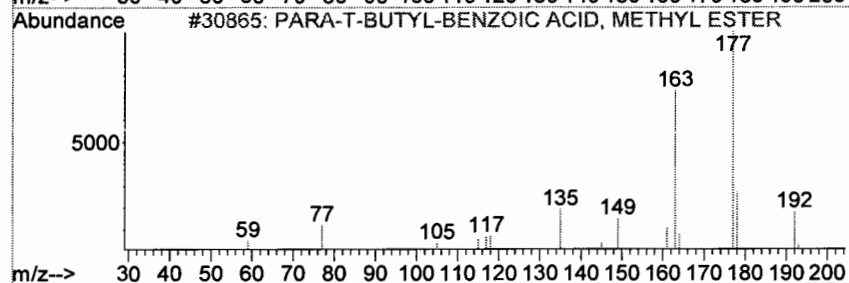
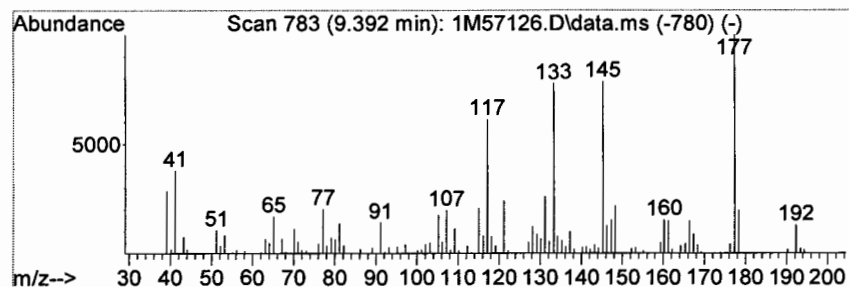
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 Quant Title : @GCMS_1,ug,624,8260

TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 13 unknown Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.39	169.60 ug/l	1125622	LibIS-1,4-Dichlorobenzene-d4	7.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	PARA-T-BUTYL-BENZOIC ACID, METHY...	192	C12H16O2	000000-00-0	18
2		3-(2H)-ISOQUINOLINONE	145	C9H7NO	000000-00-0	18
3		8-Quinolinol	145	C9H7NO	000148-24-3	18
4		8-Quinolinol	145	C9H7NO	000148-24-3	18
5		2,2-DIDEUTERIO-4,4-DIMETHYL-1-TE...	176	C12H14D2O	053155-98-9	18



Tentatively Identified Compound (LSC) summary

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-10-10\
 Data File : 1M57126.D
 Acq On : 10 May 2010 15:40
 Operator : WP
 Sample : AC51387-002(5X)
 Misc : S,5G!5
 ALS Vial : 59 Sample Multiplier: 1

Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0430.M
 Quant Title : @GCMS_1,ug,624,8260

TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	-----Internal Standard-----				
					#	ExpRT	ActRt	Resp	Conc
unknown	6.94	180.0	ug/l	1213626	2	6.43	6.43	202321	30.0
Nonane, 4-methyl-	7.06	129.1	ug/l	870906	2	6.43	6.43	202321	30.0
Decane, 4-methyl-	7.52	115.9	ug/l	769386	3	7.85	7.85	199109	30.0
Cyclopentane, 1-m...	7.76	228.5	ug/l	1516333	3	7.85	7.85	199109	30.0
unknown	7.96	119.0	ug/l	789583	3	7.85	7.85	199109	30.0
Naphthalene, deca...	8.10	234.2	ug/l	1554317	3	7.85	7.85	199109	30.0
Benzene, 1-methyl...	8.28	212.0	ug/l	1407121	3	7.85	7.85	199109	30.0
1H-Indene, 2,3-di...	8.38	219.7	ug/l	1458323	3	7.85	7.85	199109	30.0
2-METHYLDECALIN (...)	8.51	154.7	ug/l	1026827	3	7.85	7.85	199109	30.0
unknown	8.86	247.9	ug/l	1645057	3	7.85	7.85	199109	30.0
1H-Indene, 2,3-di...	9.08	161.9	ug/l	1074366	3	7.85	7.85	199109	30.0
1H-Indene, 2,3-di...	9.18	212.4	ug/l	1409523	3	7.85	7.85	199109	30.0
unknown	9.39	169.6	ug/l	1125622	3	7.85	7.85	199109	30.0

Form1

ORGANICS VOLATILE REPORT

Sample Number: AC51387-002(5X)

Client Id: PI-01-TP-RAU5043010SS0

Data File: 1M57102.D

Analysis Date: 05/10/10 09:12

Date Rec/Extracted: 05/03/10-NA

Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B

Matrix: Soil

Initial Vol: 1.11g

Final Vol: NA

Dilution: 4.50

Solids: 83

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.027	U	56-23-5	Carbon Tetrachloride	0.027	U
79-34-5	1,1,2,2-Tetrachloroethane	0.027	U	108-90-7	Chlorobenzene	0.027	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.027	U	75-00-3	Chloroethane	0.027	U
79-00-5	1,1,2-Trichloroethane	0.027	U	67-66-3	Chloroform	0.027	U
75-34-3	1,1-Dichloroethane	0.027	U	74-87-3	Chloromethane	0.027	U
75-35-4	1,1-Dichloroethene	0.027	U	156-59-2	cis-1,2-Dichloroethene	0.027	U
96-18-4	1,2,3-Trichloropropane	0.027	U	10061-01-5	cis-1,3-Dichloropropene	0.027	U
95-63-6	1,2,4-Trimethylbenzene	0.0054	U	124-48-1	Dibromochloromethane	0.027	U
95-50-1	1,2-Dichlorobenzene	0.027	U	75-71-8	Dichlorodifluoromethane	0.027	U
107-06-2	1,2-Dichloroethane	0.027	U	100-41-4	Ethylbenzene	0.0054	U
78-87-5	1,2-Dichloropropane	0.027	U	98-82-8	Isopropylbenzene	0.0054	0.042
108-67-8	1,3,5-Trimethylbenzene	0.0054	0.015	136777612	m&p-Xylenes	0.0054	0.0056
541-73-1	1,3-Dichlorobenzene	0.027	U	75-09-2	Methylene Chloride	0.027	0.028
142-28-9	1,3-Dichloropropane	0.027	U	1634-04-4	Methyl-t-butyl ether	0.0054	U
106-46-7	1,4-Dichlorobenzene	0.027	U	104-51-8	n-Butylbenzene	0.0054	U
123-91-1	1,4-Dioxane	1.4	U	103-65-1	n-Propylbenzene	0.0054	U
78-93-3	2-Butanone	0.027	U	95-47-6	o-Xylene	0.0054	0.0091
110-75-8	2-Chloroethylvinylether	0.027	U	135-98-8	sec-Butylbenzene	0.0054	0.042
591-78-6	2-Hexanone	0.027	U	100-42-5	Styrene	0.027	U
99-87-6	4-Isopropyltoluene	0.0054	0.013	75-65-0	t-Butyl Alcohol	0.14	U
108-10-1	4-Methyl-2-Pentanone	0.027	U	98-06-6	t-Butylbenzene	0.0054	U
67-64-1	Acetone	0.14	0.20	127-18-4	Tetrachloroethene	0.027	U
107-02-8	Acrolein	0.14	U	108-88-3	Toluene	0.0054	U
107-13-1	Acrylonitrile	0.027	U	156-60-5	trans-1,2-Dichloroethene	0.027	U
71-43-2	Benzene	0.0054	U	10061-02-6	trans-1,3-Dichloropropene	0.027	U
75-27-4	Bromodichloromethane	0.027	U	79-01-6	Trichloroethene	0.027	U
75-25-2	Bromoform	0.027	U	75-69-4	Trichlorofluoromethane	0.027	U
74-83-9	Bromomethane	0.027	U	75-01-4	Vinyl Chloride	0.027	U
75-15-0	Carbon Disulfide	0.027	U	1330-20-7	Xylenes (Total)	0.0054	0.0147

Worksheet #: 151238

Total Target Concentration 0.35

ColumnID: (^) Indicates results from 2nd column

*U - Indicates the compound was analyzed but not detected.**B - Indicates the analyte was found in the blank as well as in the sample.**E - Indicates the analyte concentration exceeds the calibration range of the instrument.**R - Retention Time Out**J - Indicates an estimated value when a compound is detected at less than the specified detection limit.**d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.*

Form1eORGANICS VOLATILE REPORT
Tentatively Identified Compounds

Sample Number: AC51387-002(5X)	Matrix: Soil
Client Id: PI-01-TP-RAU5043010	Initial Vol: 1.11g
Data File: 1M57102.D	Final Vol: NA
Analysis Date: 05/10/10 09:12	Dilution: 4.50
Date Rec/Extracted: 05/03/10-NA	Solids: 83
	Method: EPA 8260B

Units: mg/Kg

	Cas #	Compound	RT	Conc
1	624-29-3	Cyclohexane, 1,4-dimethyl-, cis-	6.77	0.90 J
2	5911-04-6	Nonane, 3-methyl-	6.84	1.1 J
3	41453-56-9	2-Nonen-1-ol, (Z)-	6.93	2.0 J
4	15869-89-3	Octane, 2,5-dimethyl-	7.06	1.3 J
5	71186-28-2	1,1,2,3-TETRAMETHYLCYCLOHEXAN	7.25	0.95 J
6	5364-83-0	Cyclohexane, 1-propenyl-	7.75	2.1 J
7	91-17-8	Naphthalene, decahydro-	8.09	1.4 J
8	99-87-6	Benzene, 1-methyl-4-(1-methylethyl)-	8.28	0.87 J
9	767-58-8	1H-Indene, 2,3-dihydro-1-methyl-	8.38	1.2 J
10	17301-23-4	Undecane, 2,6-dimethyl-	8.86	2.1 J

Worksheet #: 151238

Total Tentatively Identified Concentration 14*A - Indicates an aldol condensate.**J - Indicates an estimated value.**B - Indicates the analyte was found in the blank as well as in the sample.**Y - Indicates the analyte was found in the blank at <10% of the concentration of the sample.**<10% - Indicates the analyte was found in the blank at < 10% of nearest Internal Standard*

Quantitation Report (QT/LSC Reviewed)

SampleID : AC51387-002(5X) Operator : WP Qt Meth : 1M_S0430.M
 Data File: 1M57102.D Sam Mult : 1 Vial# : 33 Qt On : 05/10/10 09:27
 Acq On : 05/10/10 09:12 Misc : S,5G!3 Qt Upd On: 05/03/10 08:36

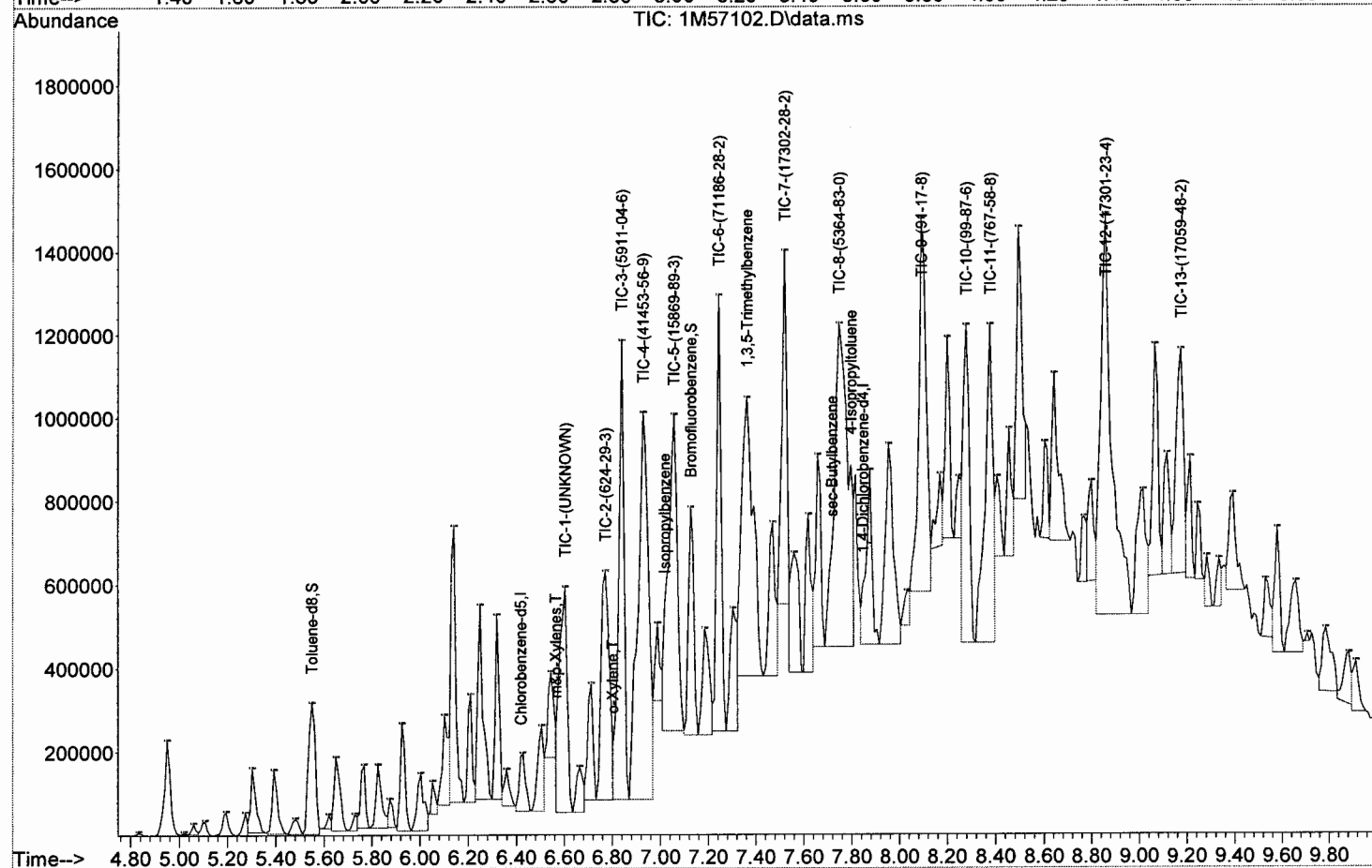
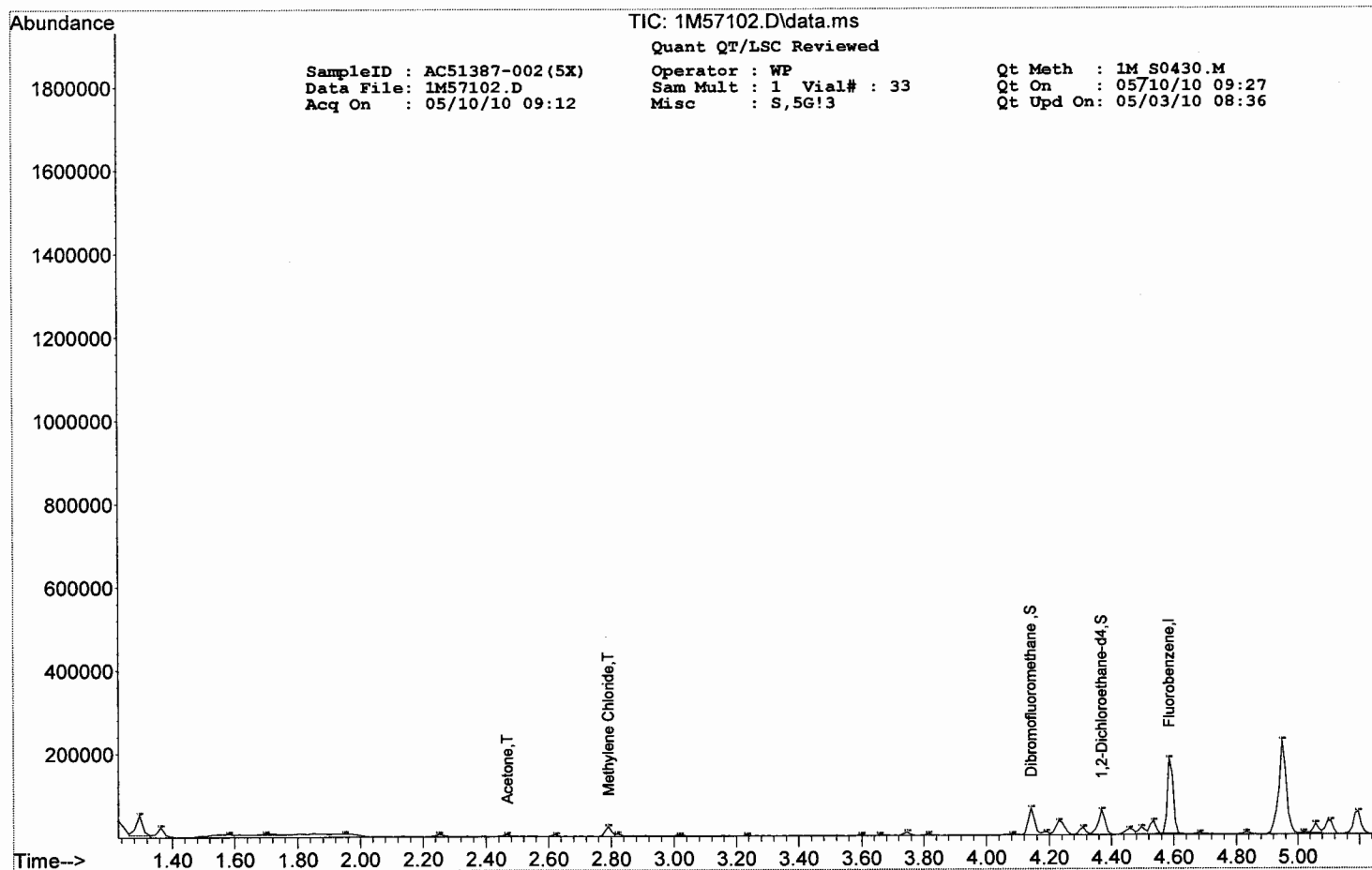
Data Path : G:\GcMsData\2010\GCMS_1\Data\05-10-10\
 Qt Path : G:\GcMsData\2010\GCMS_1\MethodQt\
 Qt Resp Via : Initial Calibration

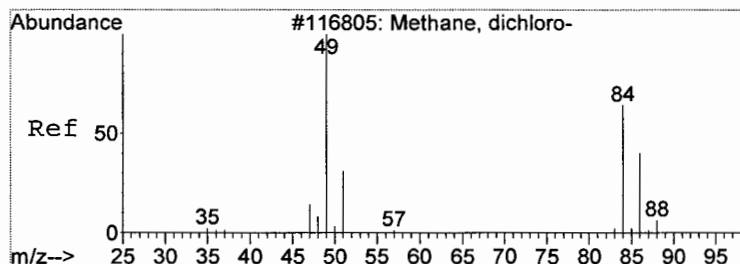
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
4) Fluorobenzene	4.585	96	91663	30.00	ug/l	-0.02
48) Chlorobenzene-d5	6.418	117	53408	30.00	ug/l	-0.02
63) 1,4-Dichlorobenzene-d4	7.846	152	30314	30.00	ug/l	0.00
System Monitoring Compounds						
33) Dibromofluoromethane	4.142	111	24055	30.07	ug/l	-0.02
Spiked Amount 30.000			Recovery	=	100.23%	
35) 1,2-Dichloroethane-d4	4.368	102	4435	28.34	ug/l	-0.02
Spiked Amount 30.000			Recovery	=	94.47%	
59) Toluene-d8	5.551	100	56921	36.32	ug/l	-0.02
Spiked Amount 30.000			Recovery	=	121.07%	
67) Bromofluorobenzene	7.127	174	23094	25.22	ug/l	0.00
Spiked Amount 30.000			Recovery	=	84.07%	
Target Compounds						
13) Methylene Chloride	2.792	84	5623	5.12	ug/l	85
17) Acetone	2.467	43	5568	36.96	ug/l	91
69) m&p-Xylenes	6.565	106	1300m	1.03	ug/l	
70) o-Xylene	6.802	106	2043	1.67	ug/l	77
75) Isopropylbenzene	7.019	105	26380	7.71	ug/l	83
83) 1,3,5-Trimethylbenzene	7.363	105	8037m	2.78	ug/l	
86) sec-Butylbenzene	7.718	105	28594	7.77	ug/l	89
87) 4-Isopropyltoluene	7.797	119	7191m	2.45	ug/l	
Library Search Internal Standards TIC Results						
1) Fluorobenzene	4.585		238546	30.00	ug/l	--
Library Search Compounds						
1) UNKNOWN	6.600		1203100	151.30	ug/l	--
2) 624-29-3	6.770		1322019	166.26	ug/l	53
3) 5911-04-6	6.840		1676534	210.84	ug/l	95
4) 41453-56-9	6.930		2921664	367.43	ug/l	64
5) 15869-89-3	7.060		1949526	245.18	ug/l	64
6) 71186-28-2	7.250		1385306	174.22	ug/l	72
7) 17302-28-2	7.520		1175469	147.83	ug/l	72
8) 5364-83-0	7.750		3140319	394.93	ug/l	49
9) 91-17-8	8.090		2020341	254.08	ug/l	46
10) 99-87-6	8.280		1281575	161.17	ug/l	86
11) 767-58-8	8.380		1783712	224.32	ug/l	74
12) 17301-23-4	8.860		3103901	390.35	ug/l	30
13) 17059-48-2	9.180		1180346	148.44	ug/l	91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

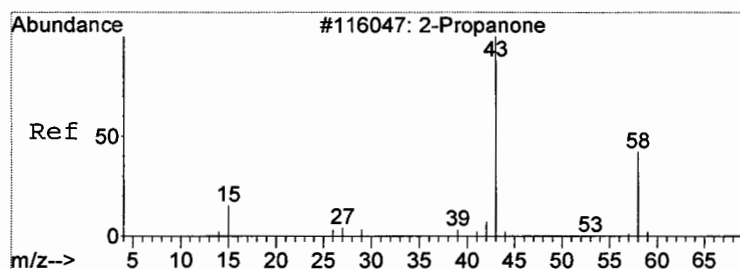
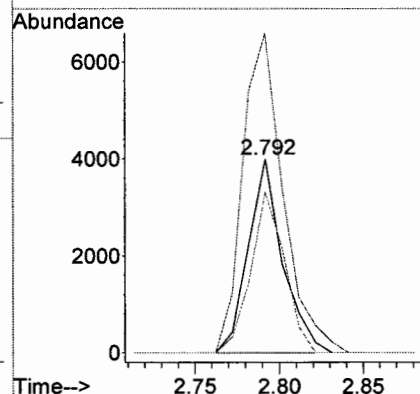
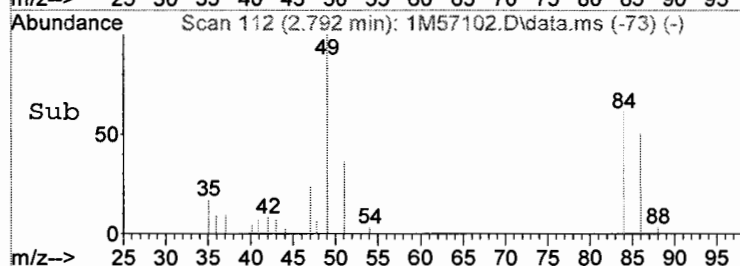
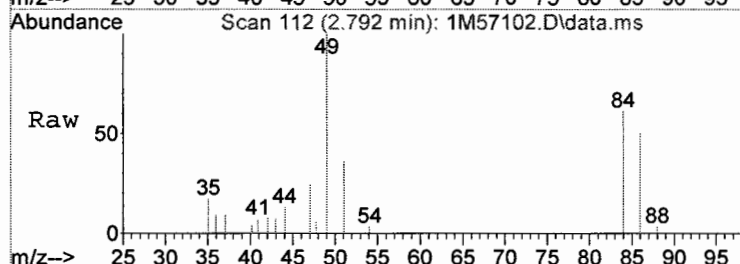
16





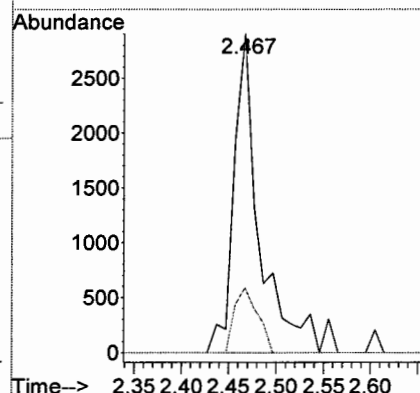
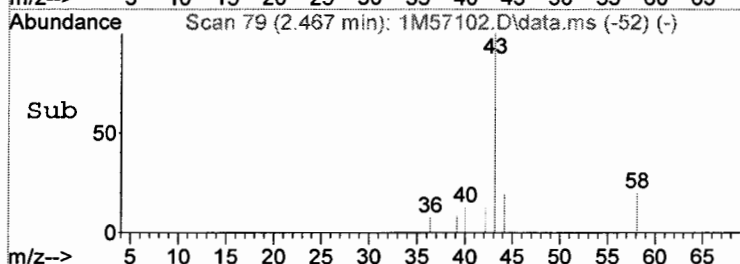
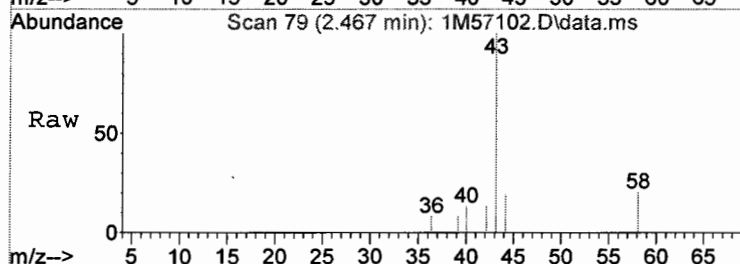
#13
Methylene Chloride
Concen: 5.12 ug/l
RT: 2.792 min Scan# 112
Delta R.T. -0.019 min
Lab File: 1M57102.D
Acq: 10 May 2010 9:12

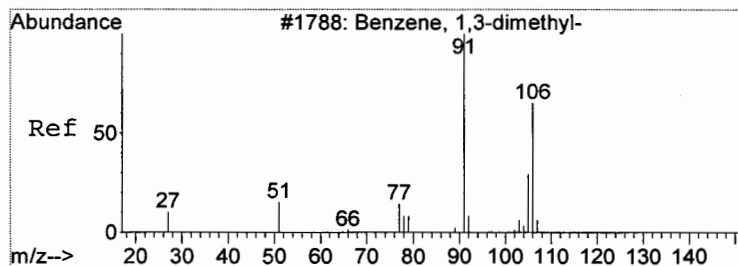
Tgt Ion: 84 Resp: 5623
Ion Ratio Lower Upper
84 100
49 164.9 75.0 225.0
86 83.0 32.5 97.5



#17
Acetone
Concen: 36.96 ug/l
RT: 2.467 min Scan# 79
Delta R.T. -0.009 min
Lab File: 1M57102.D
Acq: 10 May 2010 9:12

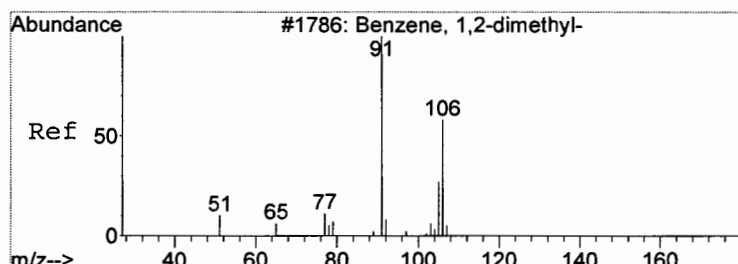
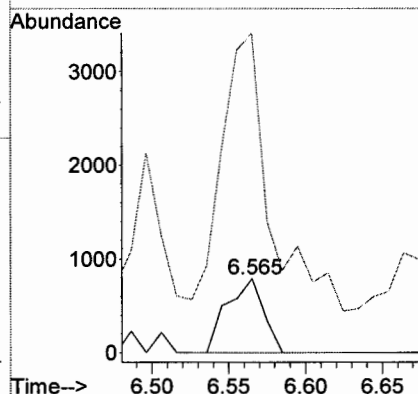
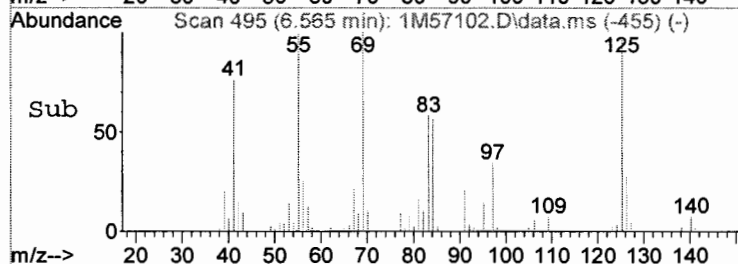
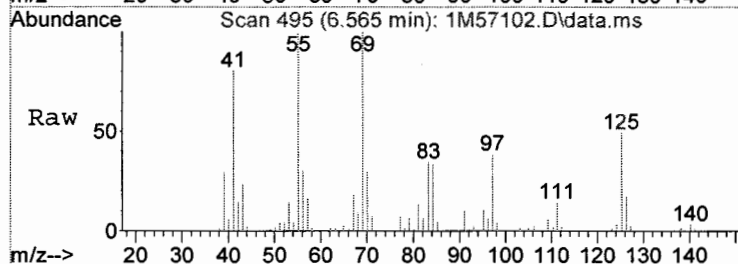
Tgt Ion: 43 Resp: 5568
Ion Ratio Lower Upper
43 100
58 20.3 0.0 64.8





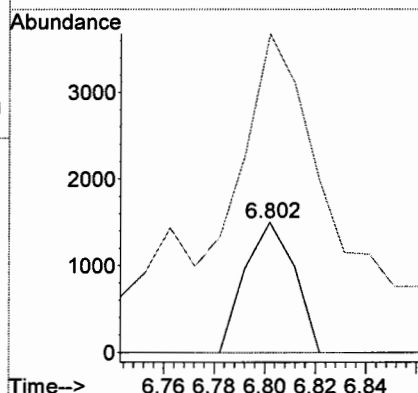
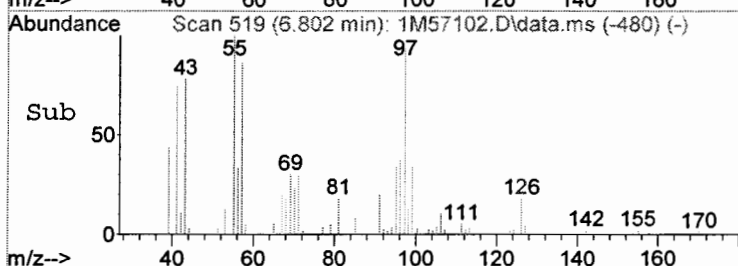
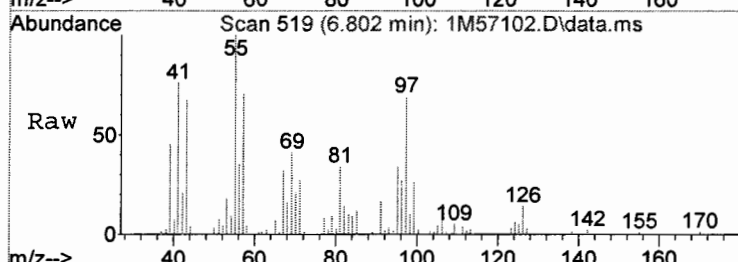
#69
m&p-Xylenes
Concen: 1.03 ug/l m
RT: 6.565 min Scan# 495
Delta R.T. -0.009 min
Lab File: 1M57102.D
Acq: 10 May 2010 9:12

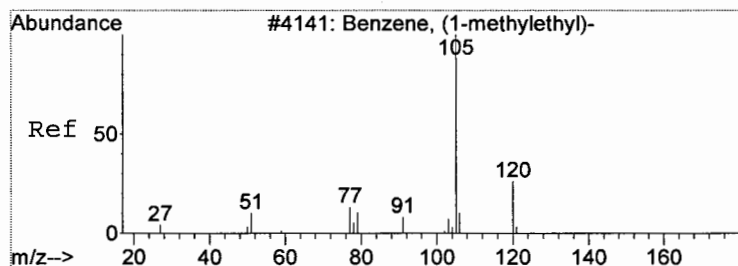
Tgt Ion:106 Resp: 1300
Ion Ratio Lower Upper
106 100
91 431.4 132.0 308.0#



#70
o-Xylene
Concen: 1.67 ug/l
RT: 6.802 min Scan# 519
Delta R.T. -0.019 min
Lab File: 1M57102.D
Acq: 10 May 2010 9:12

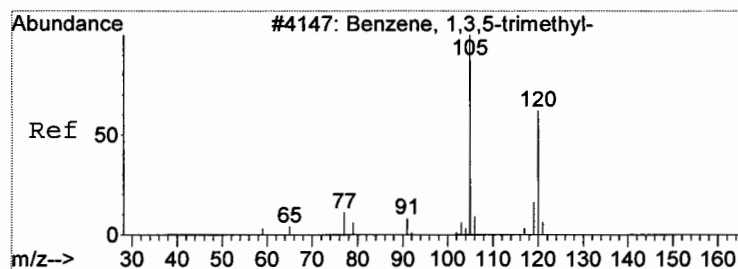
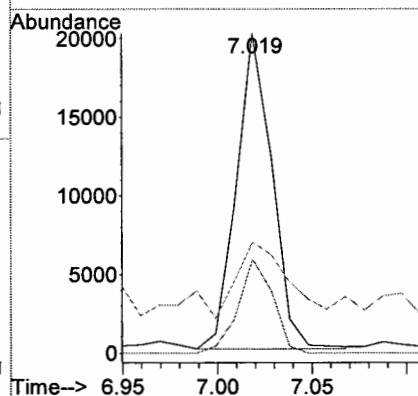
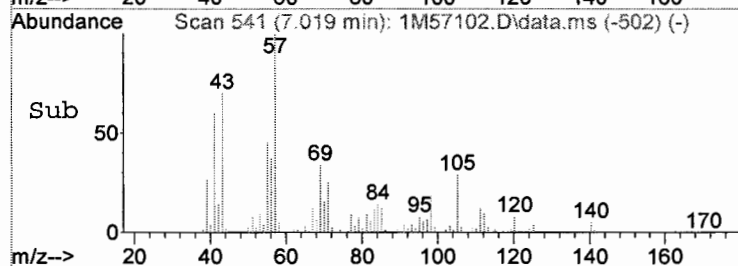
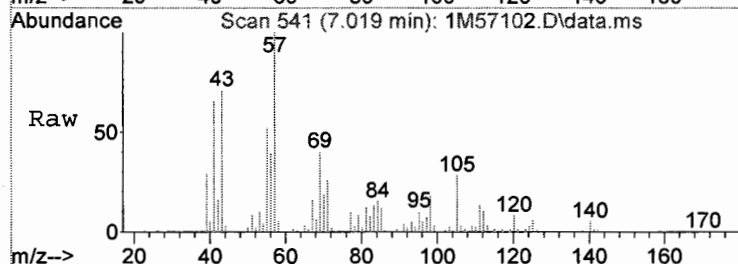
Tgt Ion:106 Resp: 2043
Ion Ratio Lower Upper
106 100
91 179.1 129.1 301.1





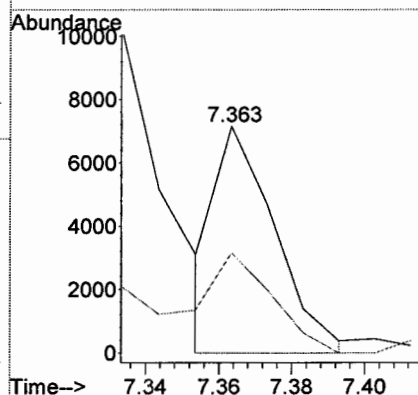
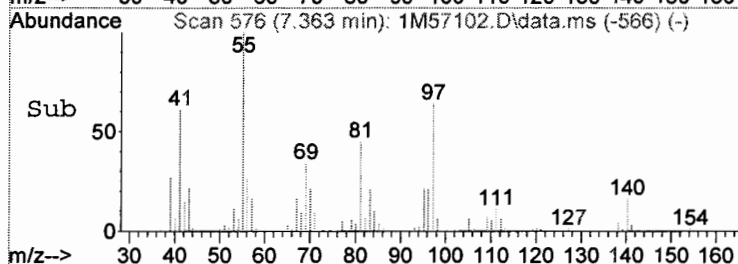
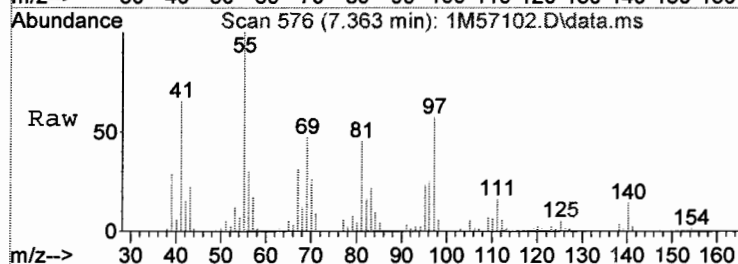
#75
Isopropylbenzene
Concen: 7.71 ug/l
RT: 7.019 min Scan# 541
Delta R.T. -0.019 min
Lab File: 1M57102.D
Acq: 10 May 2010 9:12

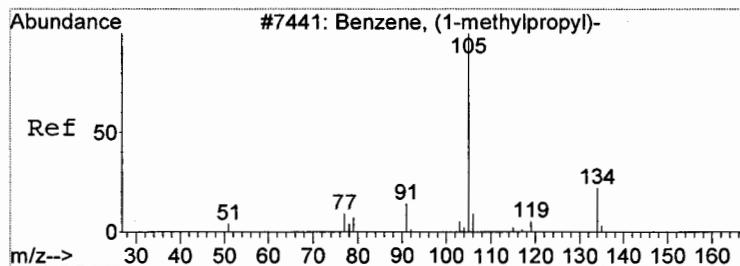
Tgt Ion	Ratio	Lower	Upper
105	100		
120	28.9	0.0	66.9
77	34.2	0.0	58.3



#83
1,3,5-Trimethylbenzene
Concen: 2.78 ug/l m
RT: 7.363 min Scan# 576
Delta R.T. -0.019 min
Lab File: 1M57102.D
Acq: 10 May 2010 9:12

Tgt Ion	Ratio	Lower	Upper
105	100		
120	42.5	0.0	94.0





#86

sec-Butylbenzene

Concen: 7.77 ug/l

RT: 7.718 min Scan# 612

Delta R.T. -0.009 min

Lab File: 1M57102.D

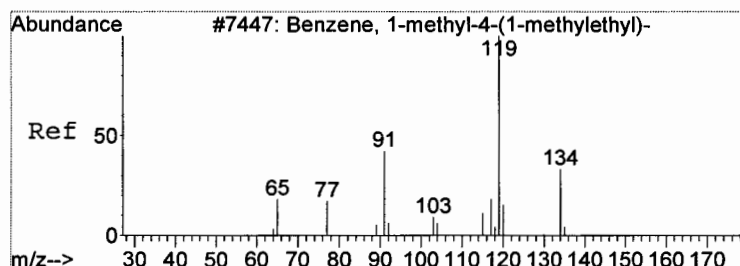
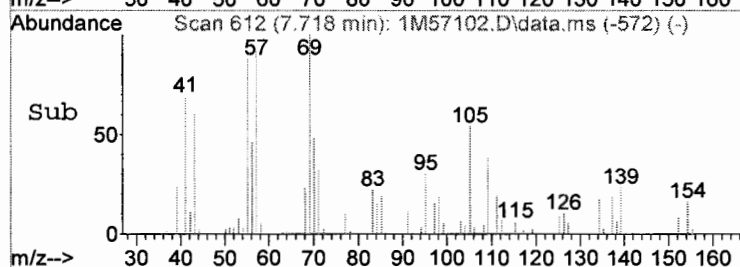
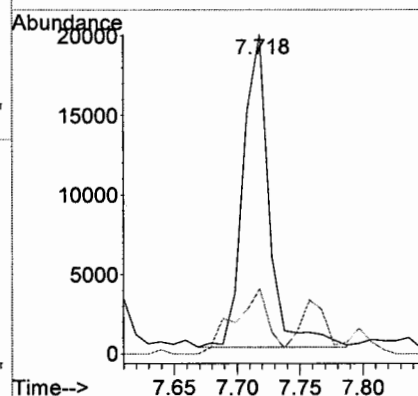
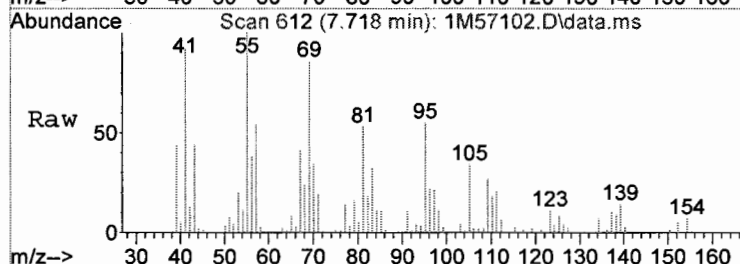
Acq: 10 May 2010 9:12

Tgt Ion:105 Resp: 28594

Ion Ratio Lower Upper

105 100

134 27.2 0.0 61.8



#87

4-Isopropyltoluene

Concen: 2.45 ug/l m

RT: 7.797 min Scan# 620

Delta R.T. -0.009 min

Lab File: 1M57102.D

Acq: 10 May 2010 9:12

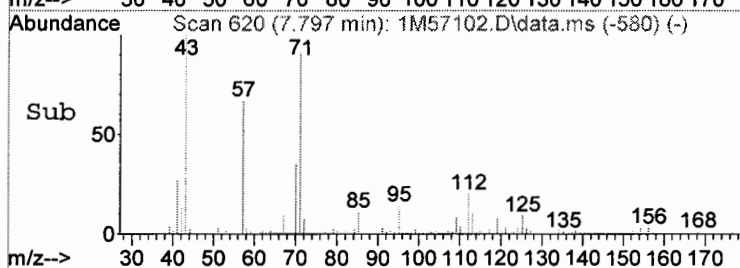
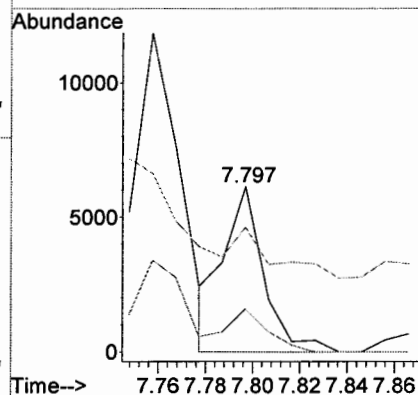
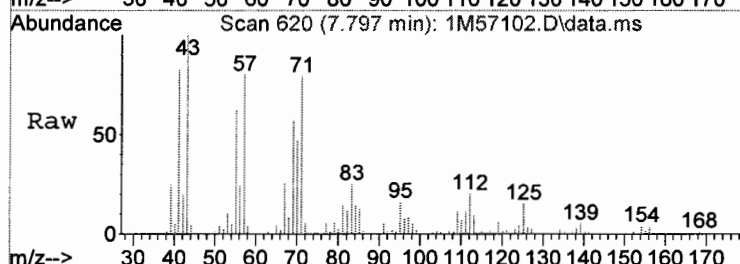
Tgt Ion:119 Resp: 7191

Ion Ratio Lower Upper

119 100

134 72.5 0.0 66.7#

91 74.9 0.0 66.3#



LSC Area Percent Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-10-10\
 Data File : 1M57102.D
 Acq On : 10 May 2010 9:12
 Operator : WP
 Sample : AC51387-002(5X)
 Misc : S,5G!3
 ALS Vial : 33 Sample Multiplier: 1

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 1000 Area counts

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0430.M
 Title : @GCMS_1,ug,624,8260

Signal : TIC: 1M57102.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.297	3	5	7	rVB	48161	69698	2.22%	0.133%
2	1.364	7	9	12	rVB	23302	35957	1.15%	0.068%
3	1.582	15	22	23	rBV5	7105	39044	1.24%	0.074%
4	1.699	25	29	33	rBV5	2838	12181	0.39%	0.023%
5	1.950	41	44	49	rVB5	6698	34338	1.09%	0.065%
6	2.252	59	62	65	rBV	5751	14641	0.47%	0.028%
7	2.467	75	79	83	rBV2	4742	8425	0.27%	0.016%
8	2.624	90	95	97	rBV	3934	6016	0.19%	0.011%
9	2.792	107	112	114	rBV	22869	33517	1.07%	0.064%
10	2.822	114	115	117	rVB2	4601	4802	0.15%	0.009%
11	3.019	133	135	138	rBV3	2662	5155	0.16%	0.010%
12	3.235	153	157	161	rBV2	2807	4775	0.15%	0.009%
13	3.600	192	194	197	rBV	2243	3375	0.11%	0.006%
14	3.659	197	200	204	rVV2	1884	3534	0.11%	0.007%
15	3.748	206	209	213	rVV2	7917	11637	0.37%	0.022%
16	3.817	213	216	220	rVB2	3871	5500	0.18%	0.010%
17	4.083	239	243	246	rBV2	2515	6783	0.22%	0.013%
18	4.142	246	249	252	rVV	64293	88190	2.81%	0.168%
19	4.191	252	254	255	rVV	6790	9209	0.29%	0.018%
20	4.230	255	258	263	rVB2	32610	64173	2.04%	0.122%
21	4.309	263	266	268	rBV	17009	23488	0.75%	0.045%
22	4.368	268	272	276	rVB	58620	89130	2.84%	0.170%
23	4.457	276	281	283	rBV3	13785	26804	0.85%	0.051%
24	4.496	283	285	287	rVV2	16057	23008	0.73%	0.044%
25	4.536	287	289	292	rVV	30879	38776	1.23%	0.074%
26	4.585	292	294	298	rVV	180284	232579	7.41%	0.442%
27	4.684	301	304	309	rVB3	4690	9710	0.31%	0.018%
28	4.831	316	319	323	rVB3	5979	9164	0.29%	0.017%
29	4.950	325	331	337	rBV	224701	390074	12.42%	0.742%
30	5.019	337	338	340	rBV	3282	3184	0.10%	0.006%
31	5.058	340	342	344	rBV2	23527	27999	0.89%	0.053%
32	5.107	344	347	350	rVB2	32072	52664	1.68%	0.100%
33	5.196	350	356	360	rBV	53345	90937	2.90%	0.173%
34	5.275	360	364	365	rBV2	50641	68599	2.18%	0.131%
35	5.304	365	367	373	rVB	151416	228787	7.29%	0.435%

LSC Area Percent Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-10-10\
 Data File : 1M57102.D
 Acq On : 10 May 2010 9:12
 Operator : WP
 Sample : AC51387-002(5X)
 Misc : S,5G!3
 ALS Vial : 33 Sample Multiplier: 1

Integration Parameters: RTEINT.P

Integrator: RTE
 Smoothing : ON
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0

Filtering: 5
 Min Area: 1000 Area counts
 Max Peaks: 100
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0430.M
 Title : @GCMS_1,ug,624,8260

36	5.393	373	376	381	rVB	150064	230870	7.35%	0.439%
37	5.482	381	385	388	rVB2	35478	72596	2.31%	0.138%
38	5.551	388	392	395	rBV2	311016	623091	19.84%	1.185%
39	5.620	395	399	400	rBV2	32246	39164	1.25%	0.075%
40	5.649	400	402	407	rVB3	173288	312713	9.96%	0.595%
41	5.728	407	410	411	rBV	36962	54070	1.72%	0.103%
42	5.767	411	414	416	rVB	148439	211149	6.72%	0.402%
43	5.826	416	420	424	rBV4	148950	258173	8.22%	0.491%
44	5.876	424	425	428	rVB2	64503	72548	2.31%	0.138%
45	5.925	428	430	434	rVB	253712	355445	11.32%	0.676%
46	6.004	434	438	441	rBV2	134963	287376	9.15%	0.547%
47	6.053	441	443	445	rBV	75001	85666	2.73%	0.163%
48	6.102	445	448	450	rBV	212188	392092	12.49%	0.746%
49	6.142	450	452	456	rVB	657598	914461	29.12%	1.740%
50	6.211	456	459	461	rBV	255182	345072	10.99%	0.657%
51	6.250	461	463	468	rVB2	461246	702777	22.38%	1.337%
52	6.319	468	470	472	rBV	437370	499975	15.92%	0.951%
53	6.358	472	474	478	rVB3	85924	126139	4.02%	0.240%
54	6.427	478	481	484	rVB3	135899	247381	7.88%	0.471%
55	6.506	484	489	490	rBV2	201676	372126	11.85%	0.708%
56	6.546	490	493	495	rBV3	202701	354579	11.29%	0.675%
57	6.605	495	499	502	rVB3	537197	1203100	38.31%	2.289%
58	6.664	502	505	507	rBV2	107553	222475	7.08%	0.423%
59	6.713	507	510	512	rVB	276626	417510	13.30%	0.794%
60	6.772	512	516	519	rBV2	544375	1322019	42.10%	2.515%
61	6.841	519	523	526	rVB2	1097670	1676534	53.39%	3.190%
62	6.930	526	532	536	rBV4	924465	2921664	93.04%	5.559%
63	6.989	536	538	540	rBV2	183550	255816	8.15%	0.487%
64	7.058	540	545	549	rVB3	755413	1949526	62.08%	3.709%
65	7.127	549	552	555	rVB3	542664	841366	26.79%	1.601%
66	7.186	555	558	561	rBV3	253183	527062	16.78%	1.003%
67	7.245	561	564	567	rVB	1042759	1385306	44.11%	2.636%
68	7.304	567	570	572	rBV2	291988	656355	20.90%	1.249%
69	7.363	572	576	583	rVB6	664731	2228854	70.98%	4.241%
70	7.472	583	587	589	rBV3	364909	715889	22.80%	1.362%
71	7.521	589	592	594	rBV2	847885	1175469	37.43%	2.236%
72	7.560	594	596	600	rVB4	284372	619965	19.74%	1.180%
73	7.620	600	602	604	rBV	376052	636306	20.26%	1.211%
74	7.659	604	606	609	rVB	458377	656435	20.90%	1.249%
75	7.748	609	615	621	rBV7	773491	3140319	100.00%	5.975%

LSC Area Percent Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-10-10\
 Data File : 1M57102.D
 Acq On : 10 May 2010 9:12
 Operator : WP
 Sample : AC51387-002(5X)
 Misc : S,5G!3
 ALS Vial : 33 Sample Multiplier: 1

Integration Parameters: RTEINT.P

Integrator: RTE
 Smoothing : ON
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0

Filtering: 5
 Min Area: 1000 Area counts
 Max Peaks: 100
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0430.M
 Title : @GCMS_1,ug,624,8260

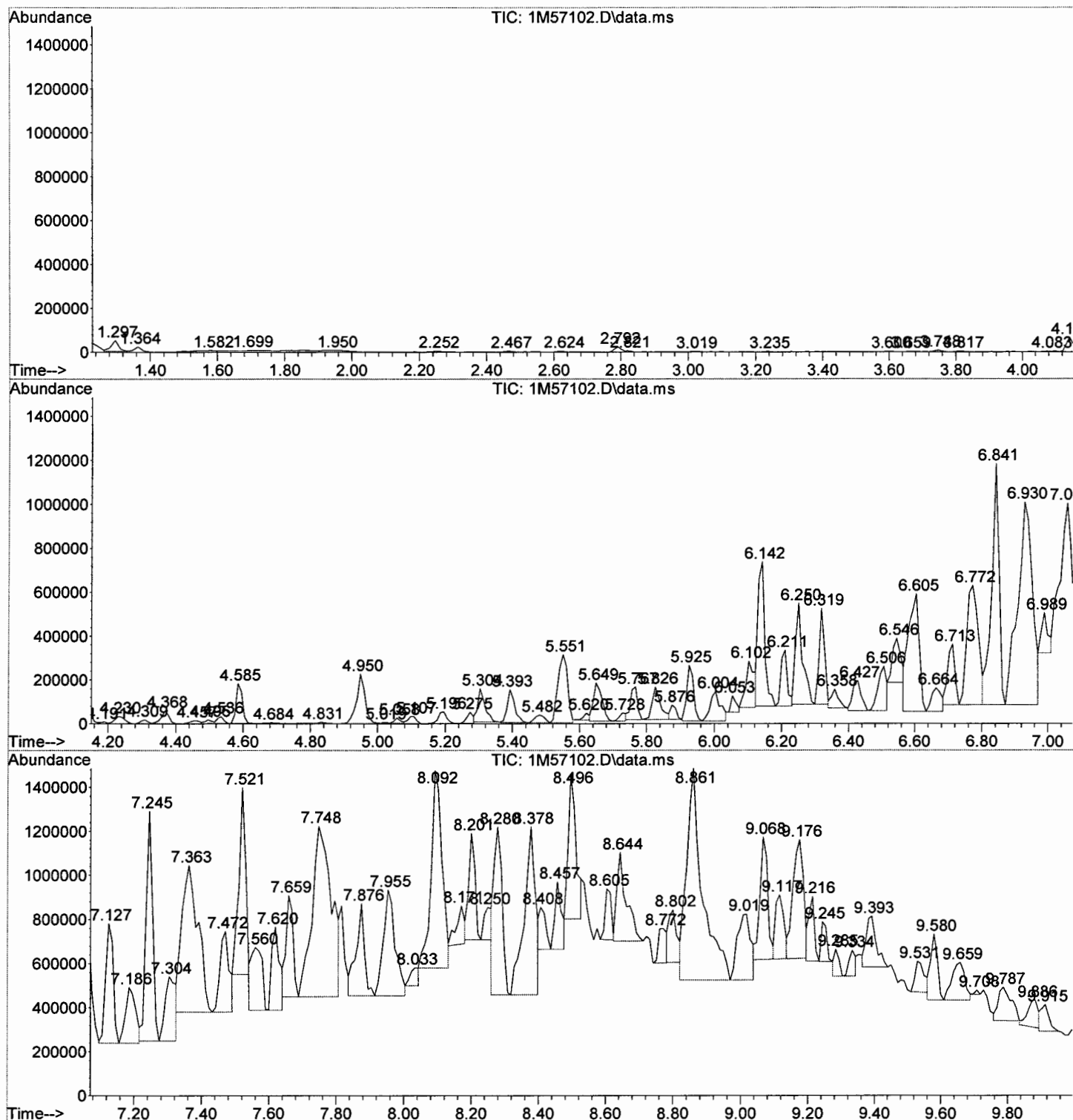
76	7.876	624	628	632	rVB3	416900	719936	22.93%	1.370%
77	7.955	632	636	641	rBV3	478993	1170485	37.27%	2.227%
78	8.033	641	644	645	rBV2	81009	149648	4.77%	0.285%
79	8.092	645	650	654	rBV5	895794	2020341	64.34%	3.844%
80	8.171	654	658	659	rVV3	175418	297798	9.48%	0.567%
81	8.201	659	661	664	rVB2	482412	613553	19.54%	1.167%
82	8.250	664	666	667	rBV	146873	237196	7.55%	0.451%
83	8.280	667	669	673	rVB2	759629	1281575	40.81%	2.438%
84	8.378	673	679	681	rBV2	761017	1783712	56.80%	3.394%
85	8.408	681	682	685	rVB3	190370	246777	7.86%	0.470%
86	8.457	685	687	689	rBV2	305932	439262	13.99%	0.836%
87	8.496	689	691	694	rBV2	653250	1074306	34.21%	2.044%
88	8.605	700	702	704	rBV	229399	301312	9.59%	0.573%
89	8.644	704	706	713	rVB4	401332	788916	25.12%	1.501%
90	8.772	716	719	720	rBV2	156533	274133	8.73%	0.522%
91	8.802	720	722	724	rVV2	239105	395204	12.58%	0.752%
92	8.861	724	728	739	rVB5	961702	3103901	98.84%	5.905%
93	9.019	739	744	746	rBV5	298694	840416	26.76%	1.599%
94	9.068	746	749	752	rVV2	554742	895286	28.51%	1.703%
95	9.117	752	754	756	rVV2	289874	504115	16.05%	0.959%
96	9.176	756	760	762	rVV2	537956	1180346	37.59%	2.246%
97	9.216	762	764	766	rVB	292170	330645	10.53%	0.629%
98	9.245	766	767	770	rVB	180618	208072	6.63%	0.396%
99	9.285	770	771	773	rVB	121730	115383	3.67%	0.220%
100	9.334	773	776	777	rBV2	115569	164010	5.22%	0.312%
101	9.393	779	782	787	rVB6	230933	488704	15.56%	0.930%
102	9.531	794	796	799	rBV3	138172	273115	8.70%	0.520%
103	9.580	799	801	804	rVB3	298660	419605	13.36%	0.798%
104	9.659	804	809	812	rBV5	170278	464183	14.78%	0.883%
105	9.708	812	814	815	rVB2	18437	11844	0.38%	0.023%
106	9.787	819	822	827	rVV5	151879	419893	13.37%	0.799%
107	9.886	827	832	833	rVV5	121038	269200	8.57%	0.512%
108	9.915	833	835	839	rVB3	121075	192499	6.13%	0.366%

Sum of corrected areas: 52560657

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-10-10\
Data File : 1M57102.D
Acq On : 10 May 2010 9:12
Operator : WP
Sample : AC51387-002(5X)
Misc : S,5G13
ALS Vial : 33 Sample Multiplier: 1

Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0430.M
Quant Title : @GCMS_1,ug,624,8260

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-10-10\
 Data File : 1M57102.D
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 Operator : WP
 Sample : AC51387-002(5X)
 Misc : S,5G13
 ALS Vial : 33 Sample Multiplier: 1

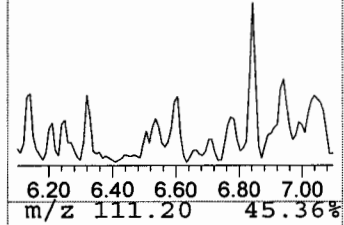
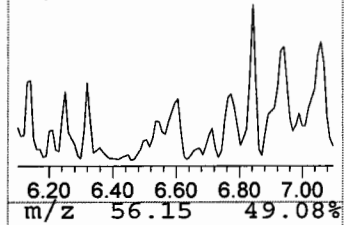
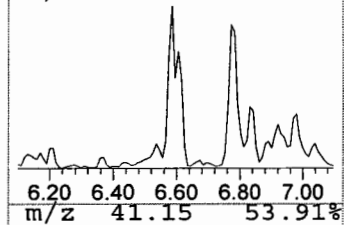
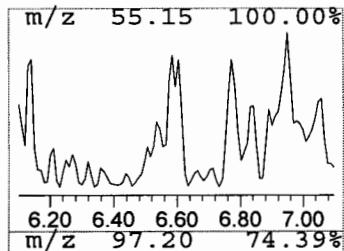
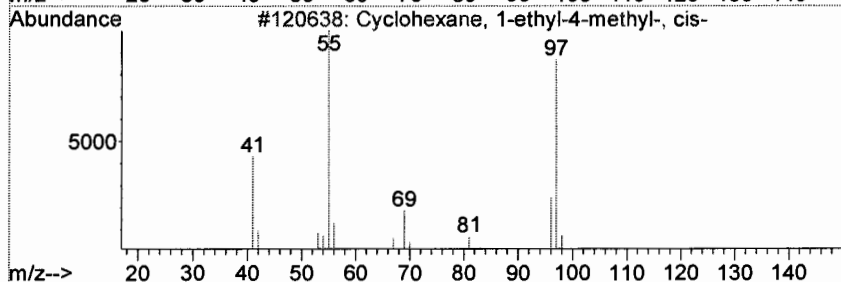
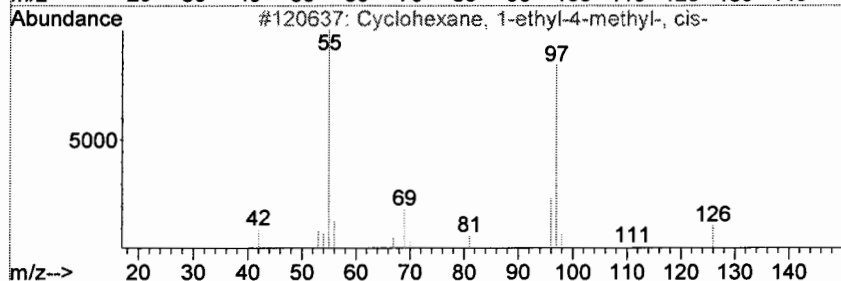
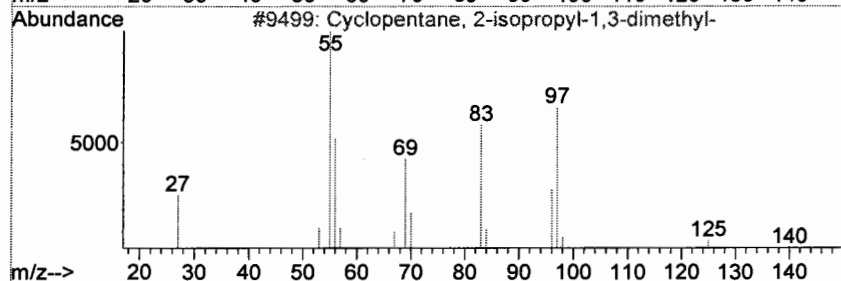
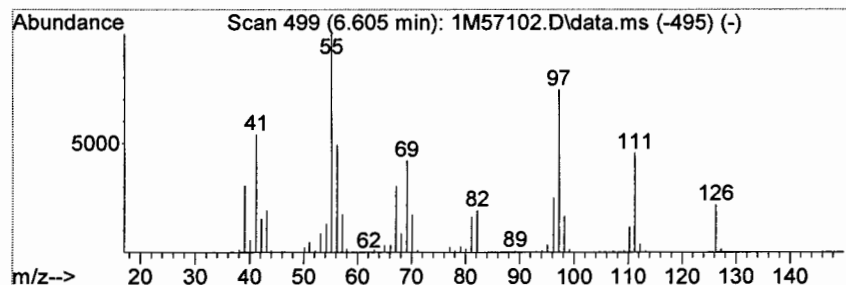
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 Quant Title : @GCMS_1,ug,624,8260

TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 1 unknown Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.60	151.30 ug/l	1203100	LibIS-Fluorobenzene	4.59

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, 2-isopropyl-1,3-di...	140	C10H20	032281-85-9	25
2			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	43
3			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	32
4			DIMETHYL-3,5 HEPTENE-3	126	C9H18	000000-00-0	32
5			Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	27



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-10-10\
 Data File : 1M57102.D
 Acq On : 10 May 2010 9:12
 Operator : WP
 Sample : AC51387-002(5X)
 Misc : S,5G!3
 ALS Vial : 33 Sample Multiplier: 1

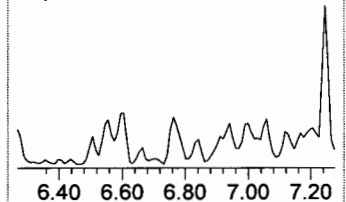
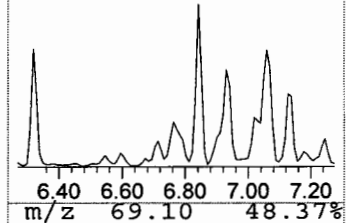
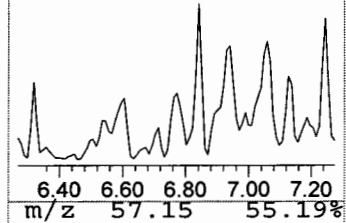
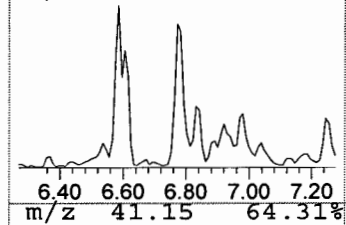
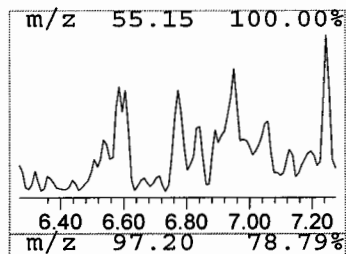
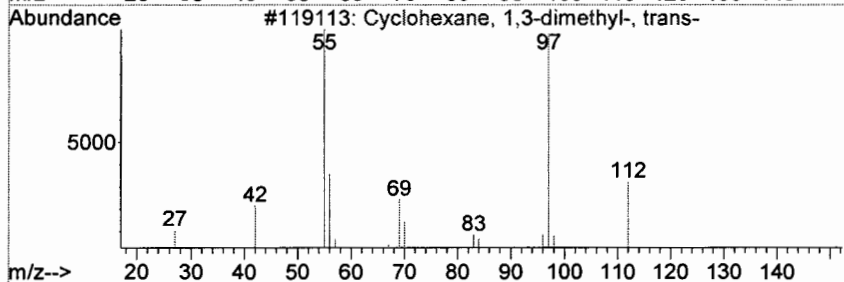
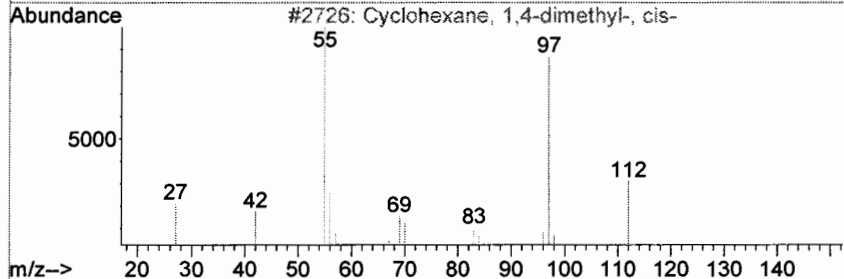
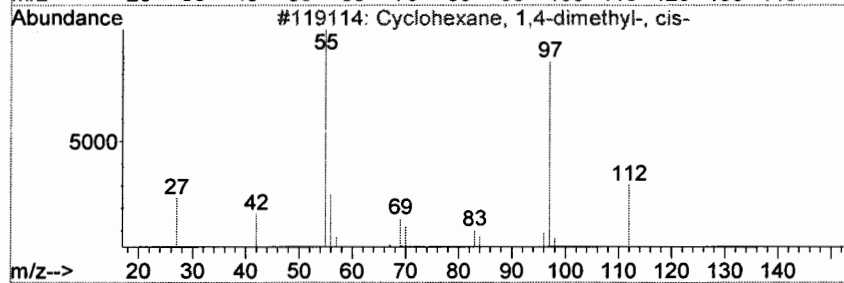
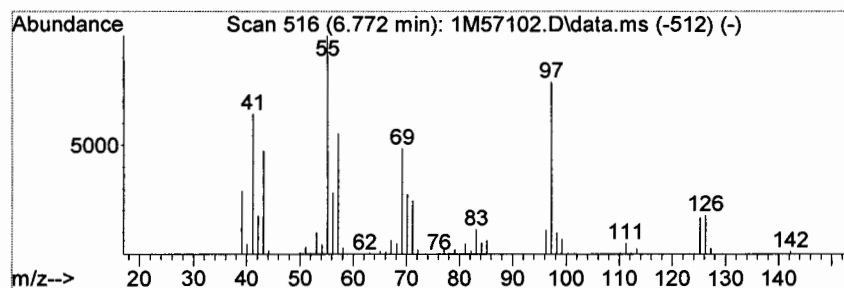
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 Quant Title : @GCMS_1,ug,624,8260

TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 2 Cyclohexane, 1,4-dimethyl-,... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.77	166.26 ug/l	1322019	LibIS-Fluorobenzene	4.59

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	53
2			Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	53
3			Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	53
4			Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	53
5			DIMETHYL-3,5 HEPTENE-3	126	C9H18	000000-00-0	52



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-10-10\
 Data File : 1M57102.D
 Acq On : 10 May 2010 9:12
 Operator : WP
 Sample : AC51387-002(5X)
 Misc : S,5G!3
 ALS Vial : 33 Sample Multiplier: 1

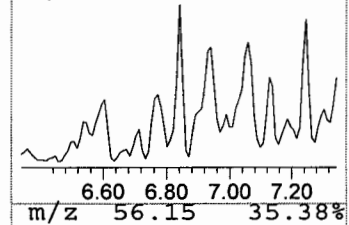
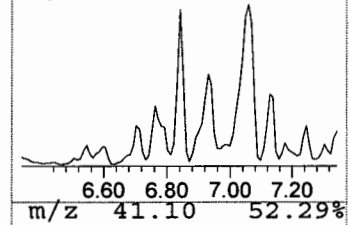
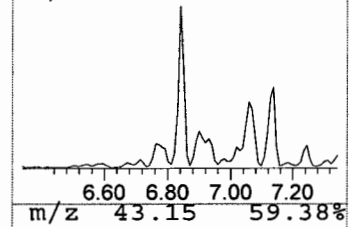
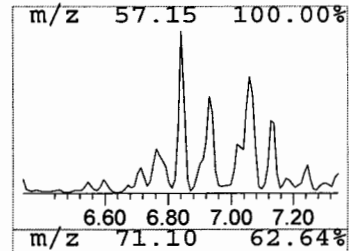
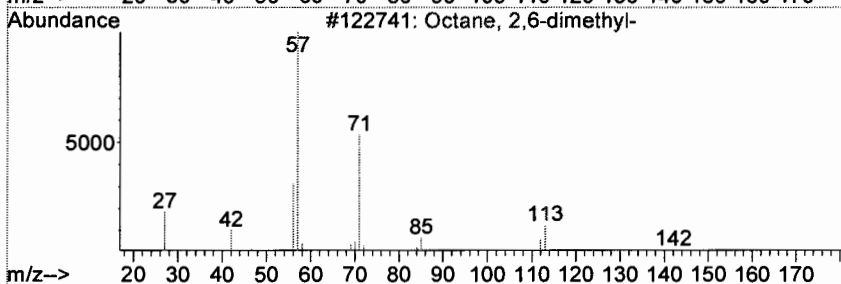
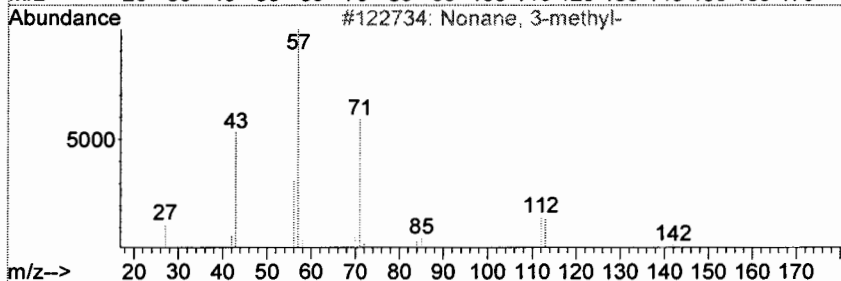
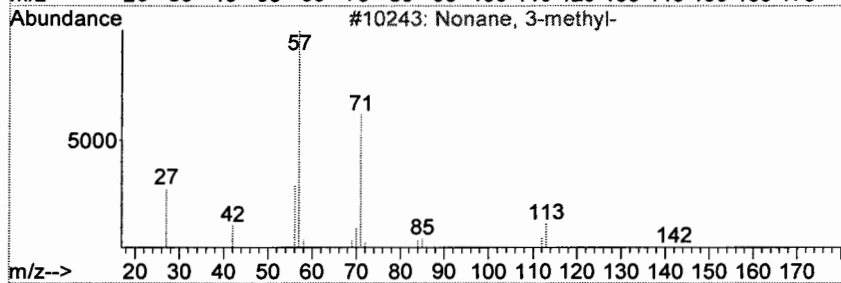
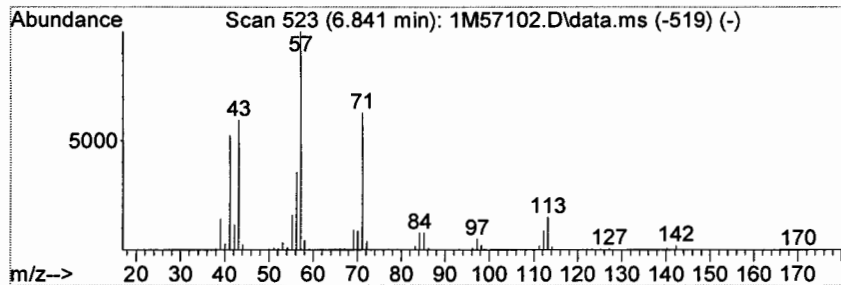
Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0430.M
 Quant Title : @GCMS_1,ug,624,8260

TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 3 Nonane, 3-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.84	210.84 ug/l	1676534	LibIS-Fluorobenzene	4.59

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Nonane, 3-methyl-	142	C10H22	005911-04-6	95
2		Nonane, 3-methyl-	142	C10H22	005911-04-6	93
3		Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	90
4		Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	87
5		Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	90



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-10-10\
 Data File : 1M57102.D
 Acq On : 10 May 2010 9:12
 Operator : WP
 Sample : AC51387-002(5X)
 Misc : S,5G!3
 ALS Vial : 33 Sample Multiplier: 1

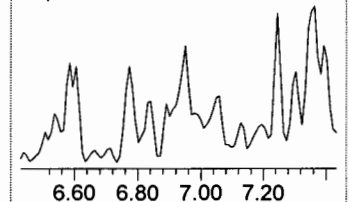
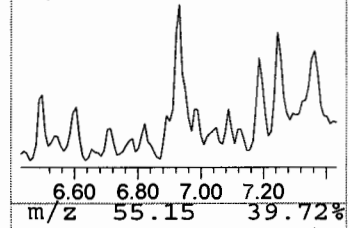
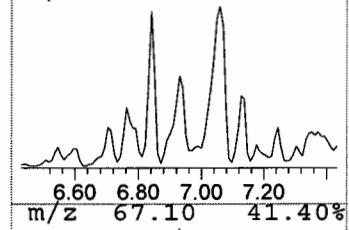
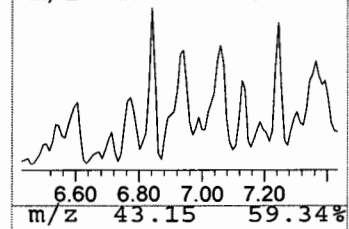
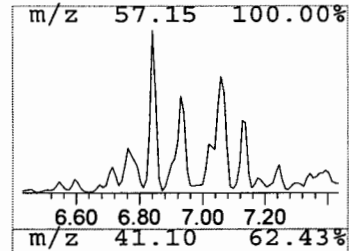
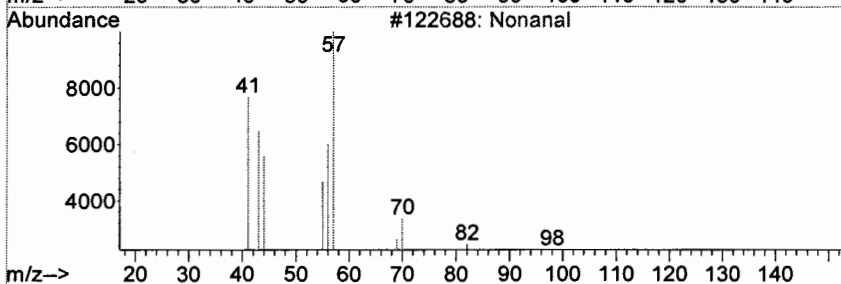
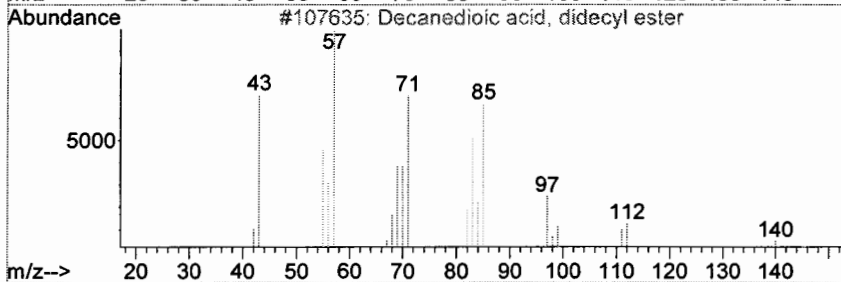
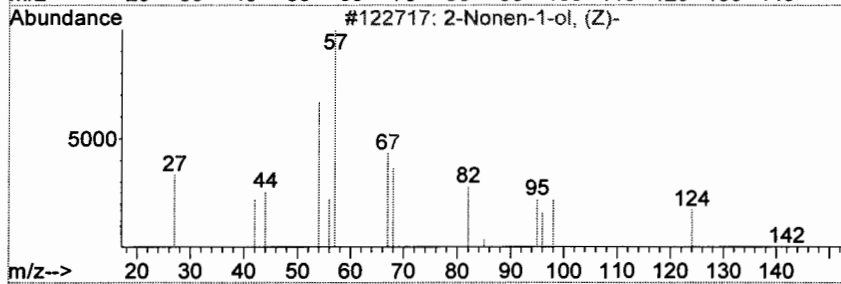
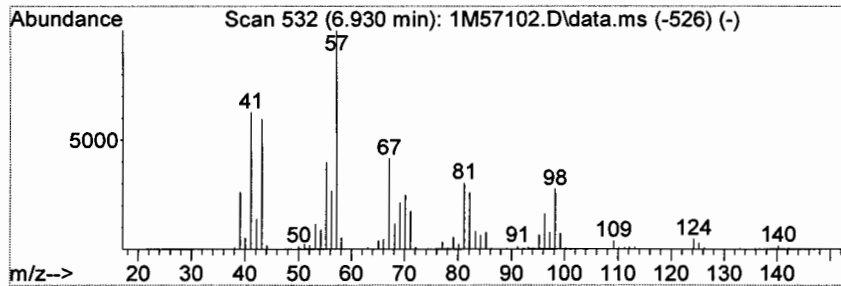
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 Quant Title : @GCMS_1,ug,624,8260

TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 4 2-Nonen-1-ol, (Z)- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.93	367.43 ug/l	2921664	LibIS-Fluorobenzene	4.59

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Nonen-1-ol, (Z)-	142	C9H18O	041453-56-9	64
2		Decanedioic acid, didecyl ester	482	C30H58O4	002432-89-5	25
3		Nonanal	142	C9H18O	000124-19-6	16
4		Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	25
5		Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	25



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-10-10\
 Data File : 1M57102.D
 Acq On : 10 May 2010 9:12
 Operator : WP
 Sample : AC51387-002(5X)
 Misc : S,5G!3
 ALS Vial : 33 Sample Multiplier: 1

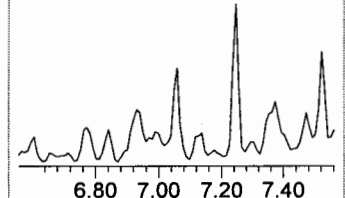
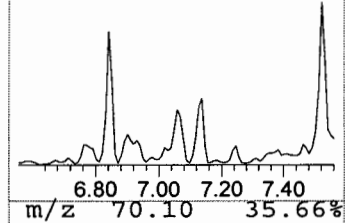
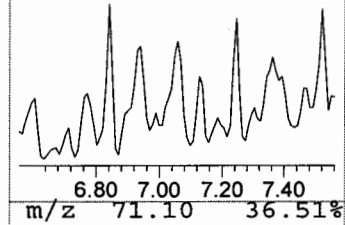
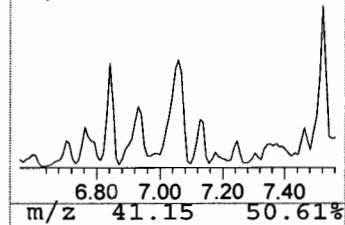
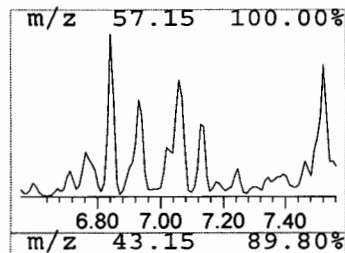
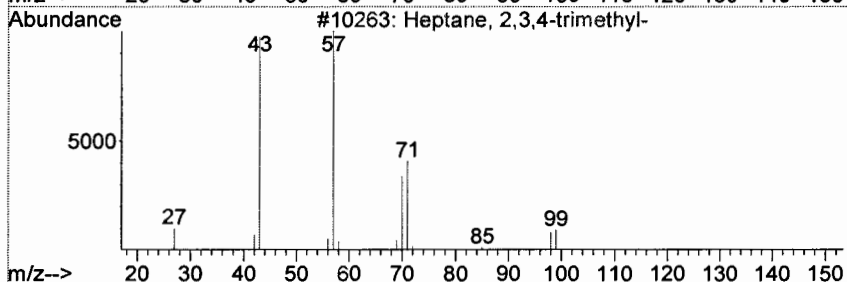
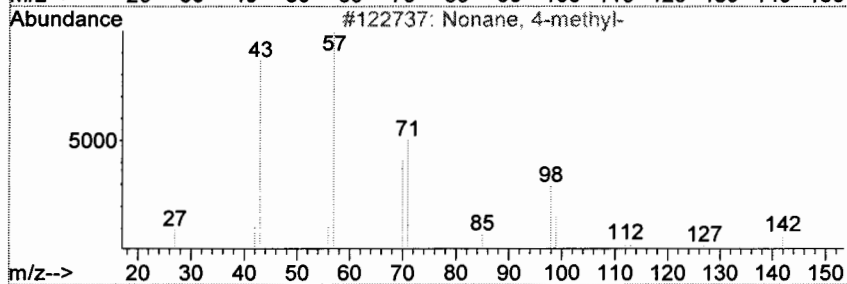
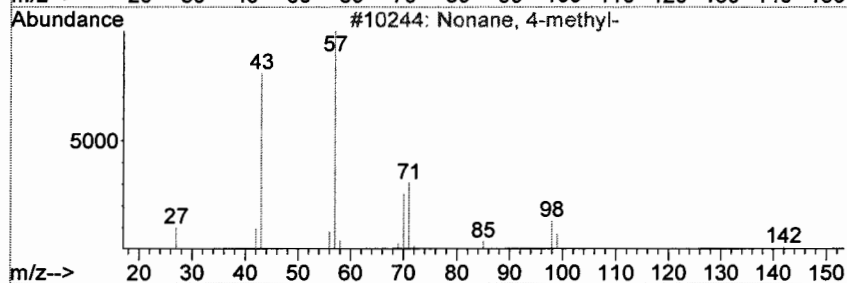
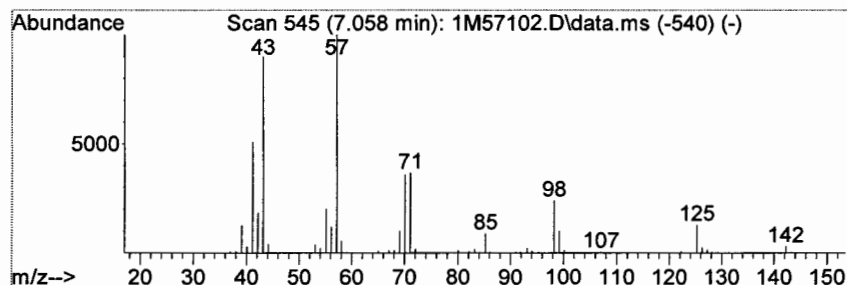
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 Quant Title : @GCMS_1,ug,624,8260

TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 5 Octane, 2,5-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.06	245.18 ug/l	1949526	LibIS-Fluorobenzene	4.59

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Nonane, 4-methyl-	142	C10H22	017301-94-9	38
2		Nonane, 4-methyl-	142	C10H22	017301-94-9	42
3		Heptane, 2,3,4-trimethyl-	142	C10H22	052896-95-4	45
4		Octane, 2,5-dimethyl-	142	C10H22	015869-89-3	64
5		Octane, 3,5-dimethyl-	142	C10H22	015869-93-9	42



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-10-10\
 Data File : 1M57102.D
 Acq On : 10 May 2010 9:12
 Operator : WP
 Sample : AC51387-002(5X)
 Misc : S,5G!3
 ALS Vial : 33 Sample Multiplier: 1

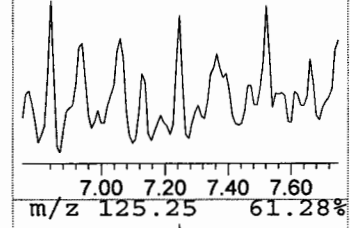
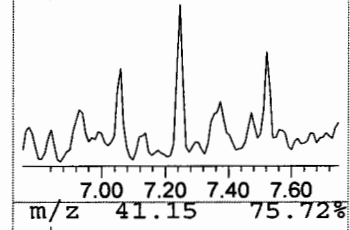
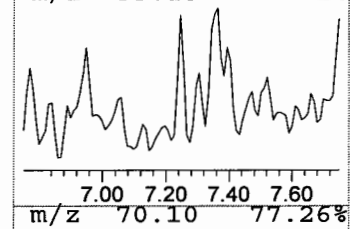
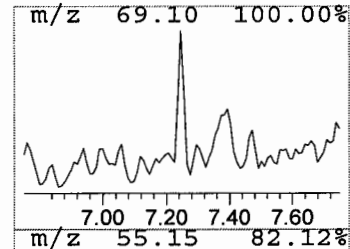
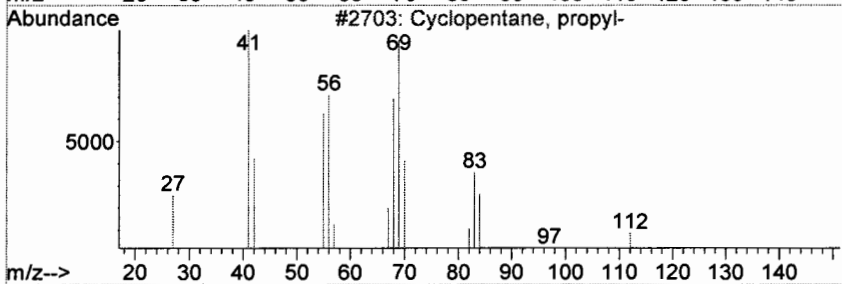
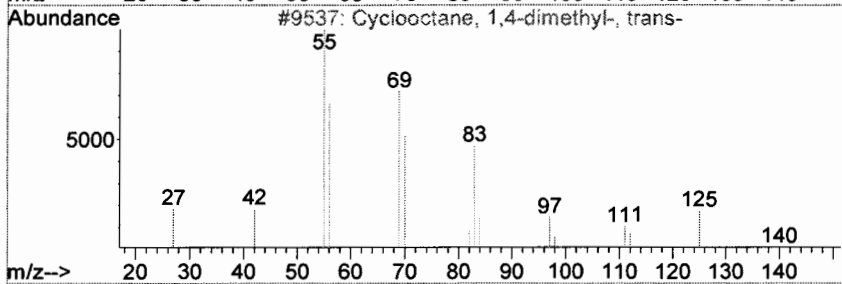
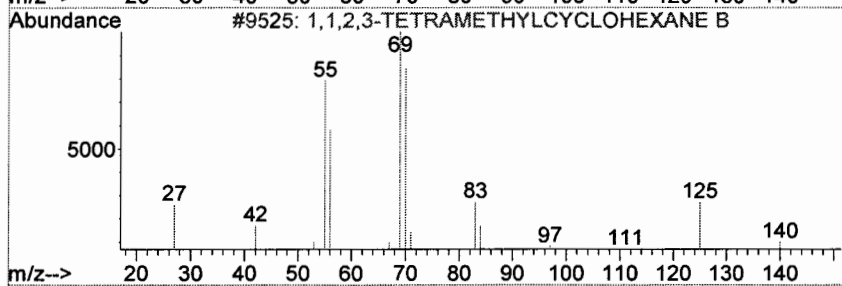
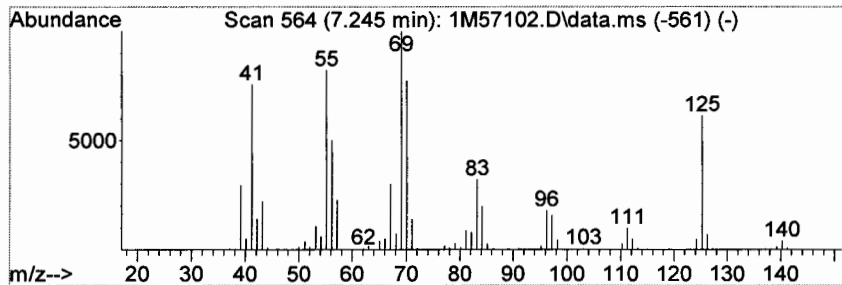
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TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 6 1,1,2,3-TETRAMETHYLCYCLOHEX... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.25	174.22 ug/l	1385306	LibIS-Fluorobenzene	4.59

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,1,2,3-TETRAMETHYLCYCLOHEXANE B	140	C10H20	071186-28-2	72
2			Cyclooctane, 1,4-dimethyl-, trans-	140	C10H20	013151-98-9	27
3			Cyclopentane, propyl-	112	C8H16	002040-96-2	22
4			1-Hexene, 3,5,5-trimethyl-	126	C9H18	004316-65-8	43
5			Cyclopropane, 1,2-dimethyl-1-pen...	140	C10H20	062238-04-4	46



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-10-10\
 Data File : 1M57102.D
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 Operator : WP
 Sample : AC51387-002(5X)
 Misc : S,5G13
 ALS Vial : 33 Sample Multiplier: 1

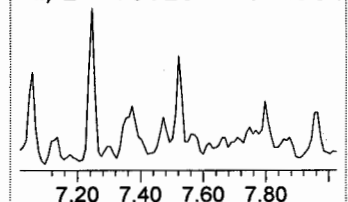
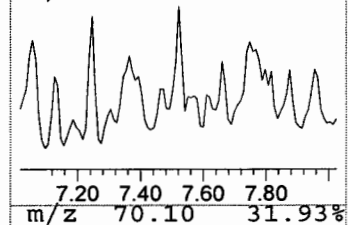
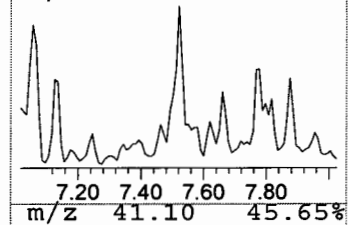
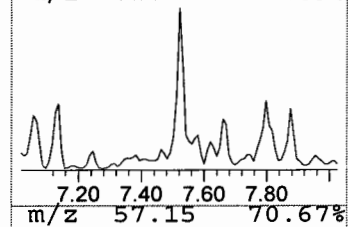
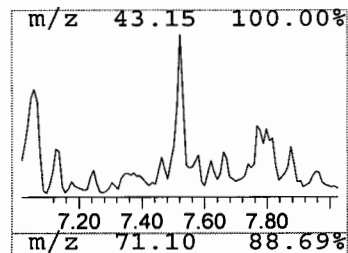
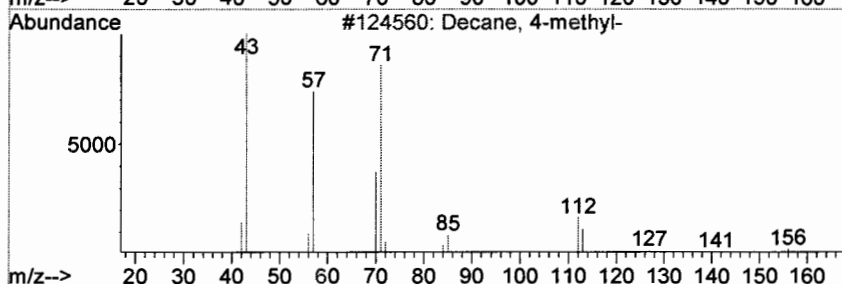
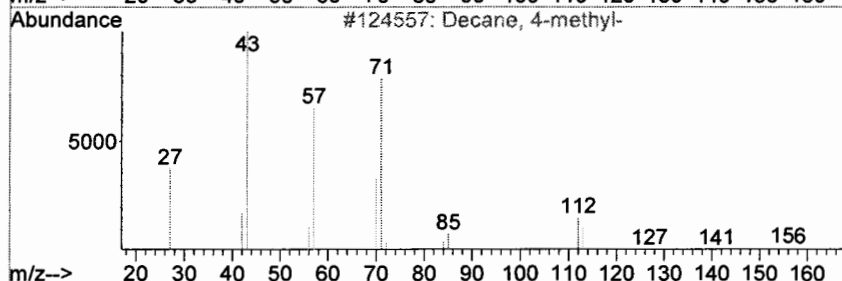
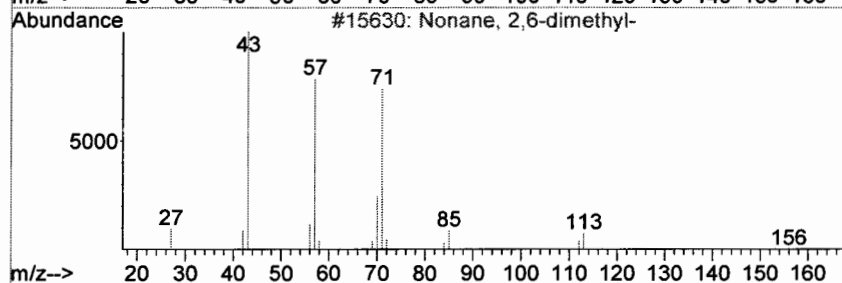
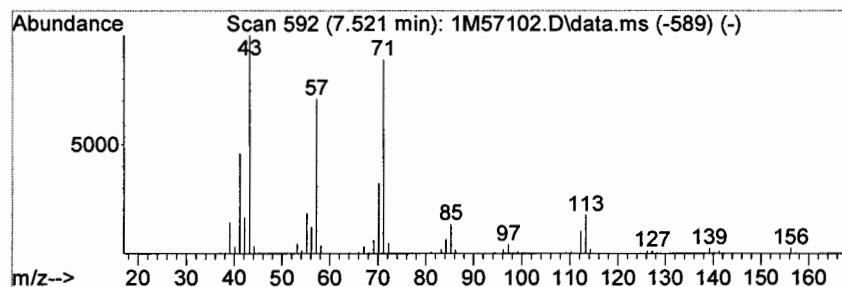
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TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 7 Nonane, 2,6-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.52	147.83 ug/l	1175469	LibIS-Fluorobenzene	4.59

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	72
2			Decane, 4-methyl-	156	C11H24	002847-72-5	87
3			Decane, 4-methyl-	156	C11H24	002847-72-5	49
4			Octane, 3,3-dimethyl-	142	C10H22	004110-44-5	59
5			Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	64



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-10-10\
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 Sample : AC51387-002(5X)
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 ALS Vial : 33 Sample Multiplier: 1

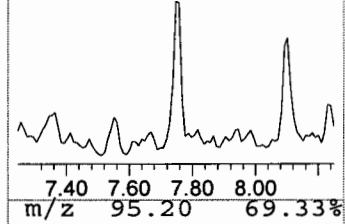
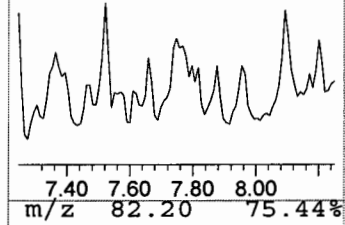
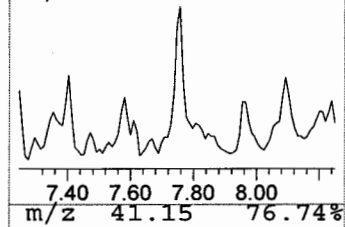
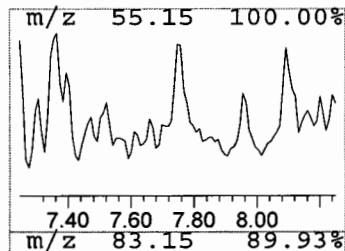
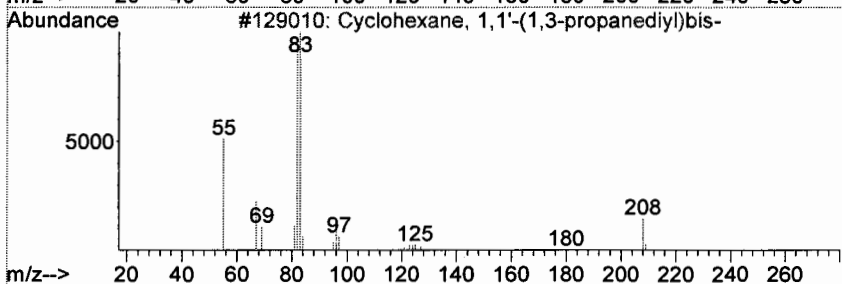
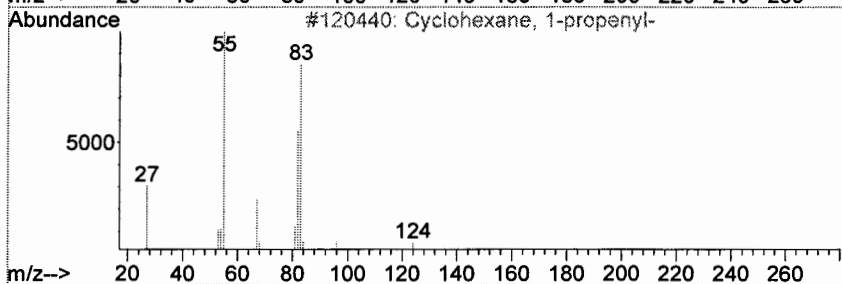
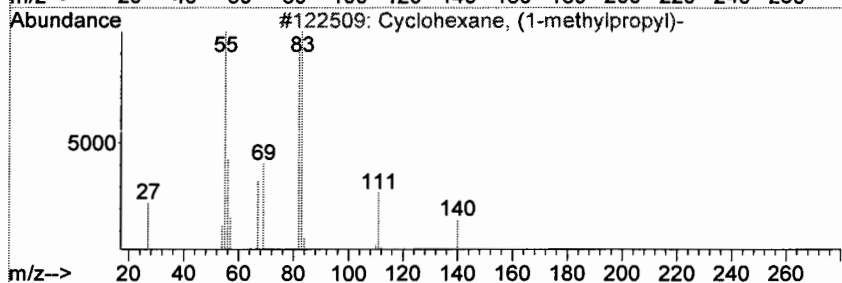
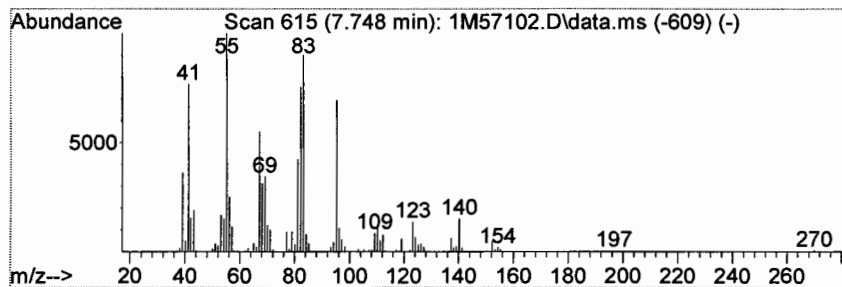
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 Quant Title : @GCMS_1,ug,624,8260

TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 8 Cyclohexane, 1-propenyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.75	394.93 ug/l	3140319	LibIS-Fluorobenzene	4.59

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, (1-methylpropyl)-	140	C10H20	007058-01-7	43
2		Cyclohexane, 1-propenyl-	124	C9H16	005364-83-0	49
3		Cyclohexane, 1,1'-(1,3-propanedi...	208	C15H28	003178-24-3	43
4		3-CYCLOHEXYL-3-DEUTEROPROP-1-ENE	124	C9H15D	055702-62-0	30
5		Cyclohexane, 2-propenyl-	124	C9H16	002114-42-3	53



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-10-10\
 Data File : 1M57102.D
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 Sample : AC51387-002(5X)
 Misc : S,5G13
 ALS Vial : 33 Sample Multiplier: 1

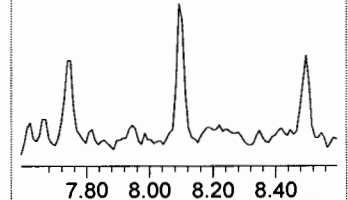
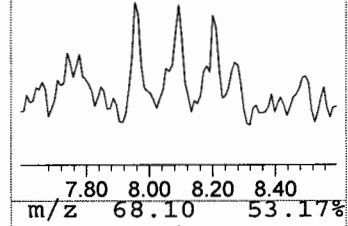
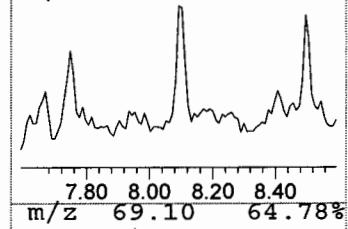
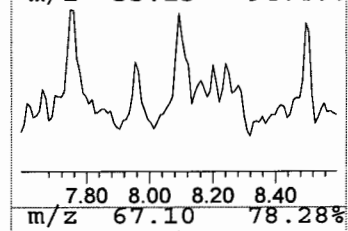
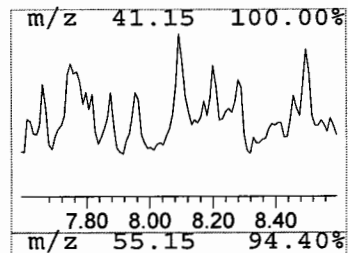
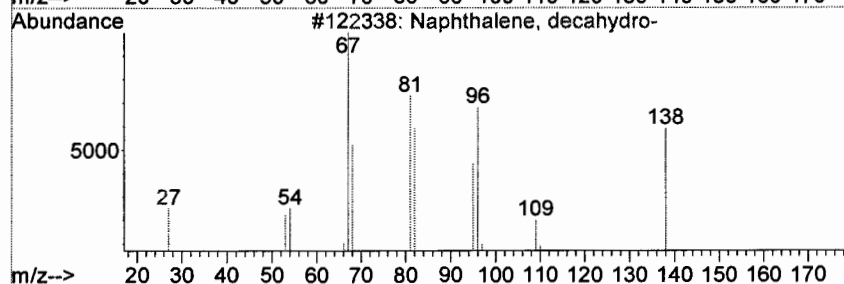
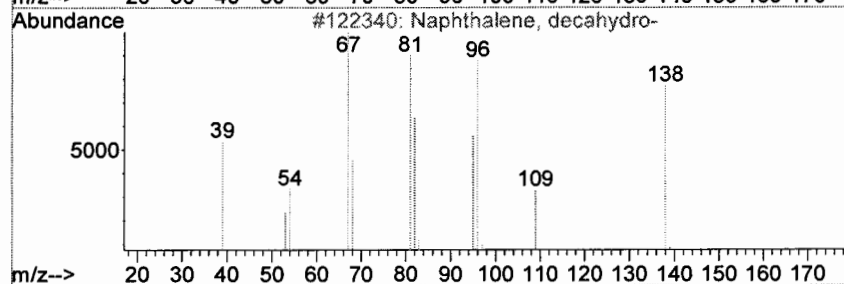
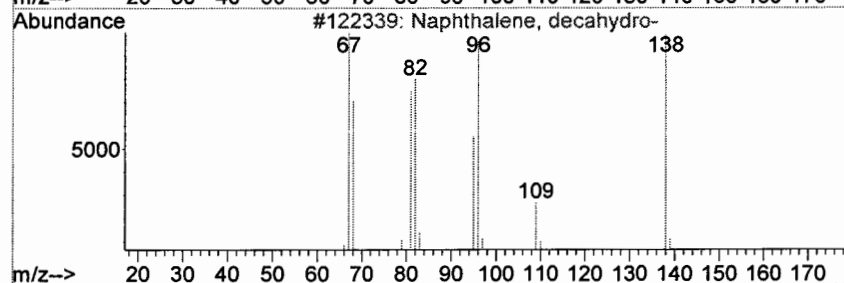
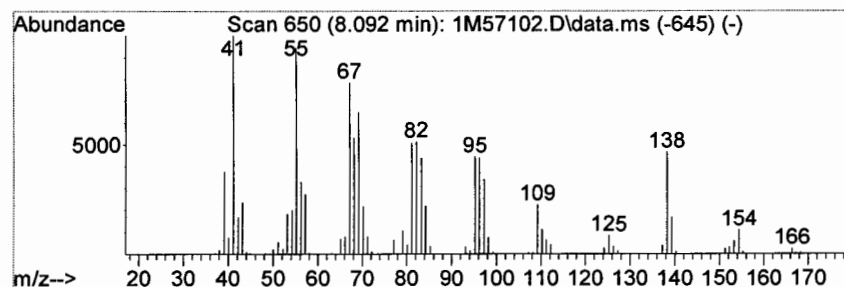
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TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 9 Naphthalene, decahydro- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.09	254.08 ug/l	2020341	LibIS-Fluorobenzene	4.59

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, decahydro-	138	C10H18	000091-17-8	46
2		Naphthalene, decahydro-	138	C10H18	000091-17-8	46
3		Naphthalene, decahydro-	138	C10H18	000091-17-8	64
4		1,11-Dodecadiene	166	C12H22	005876-87-9	52
5		Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	46



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-10-10\
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 Operator : WP
 Sample : AC51387-002(5X)
 Misc : S,5G!3
 ALS Vial : 33 Sample Multiplier: 1

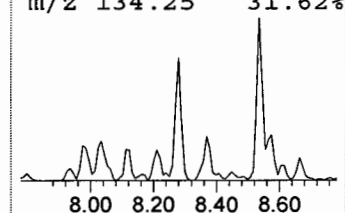
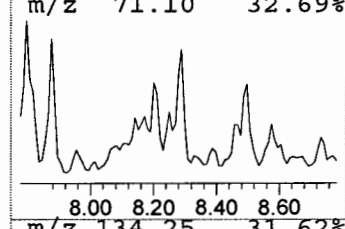
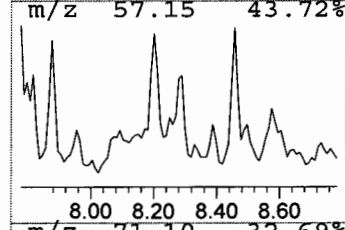
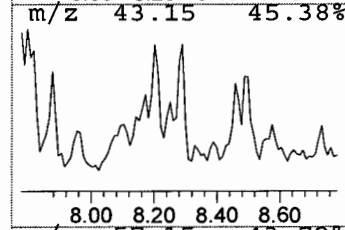
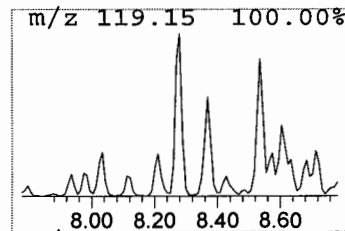
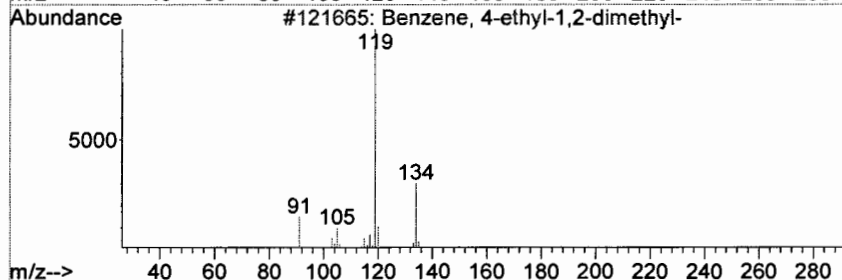
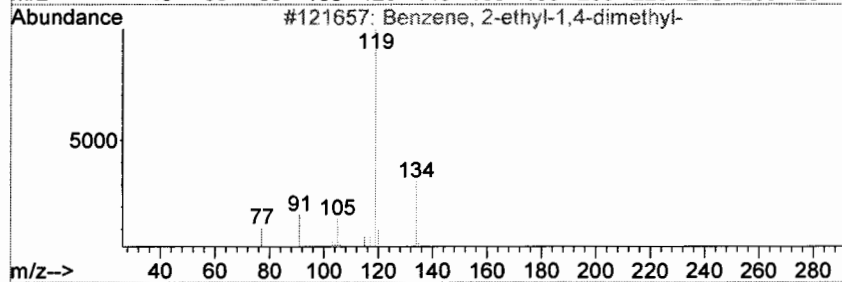
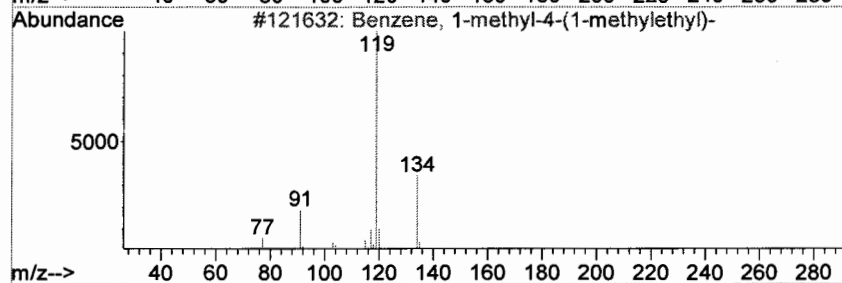
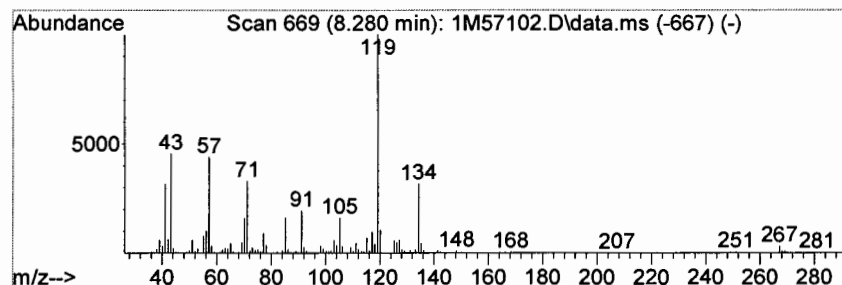
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TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 10 Benzene, 1-methyl-4-(1-meth... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.28	161.17 ug/l	1281575	LibIS-Fluorobenzene	4.59

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-methyl-4-(1-methyleth...	134	C10H14	000099-87-6	86
2		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	86
3		Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	70
4		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	70
5		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	86



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-10-10\
 Data File : 1M57102.D
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 Operator : WP
 Sample : AC51387-002(5X)
 Misc : S,5G!3
 ALS Vial : 33 Sample Multiplier: 1

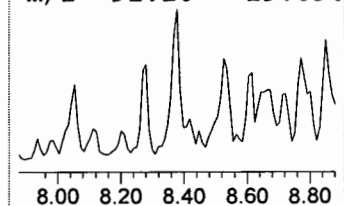
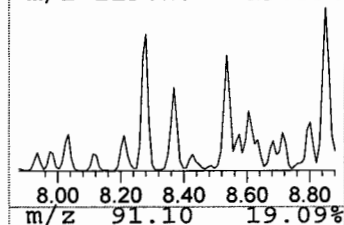
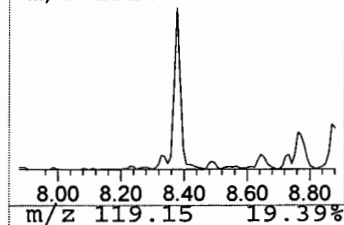
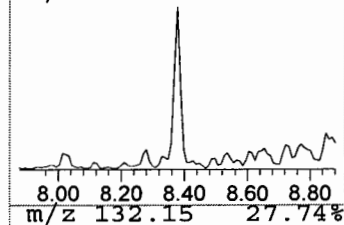
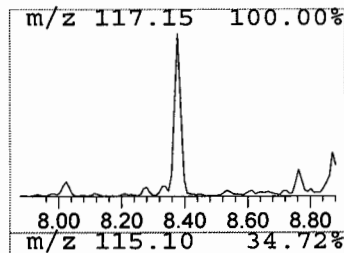
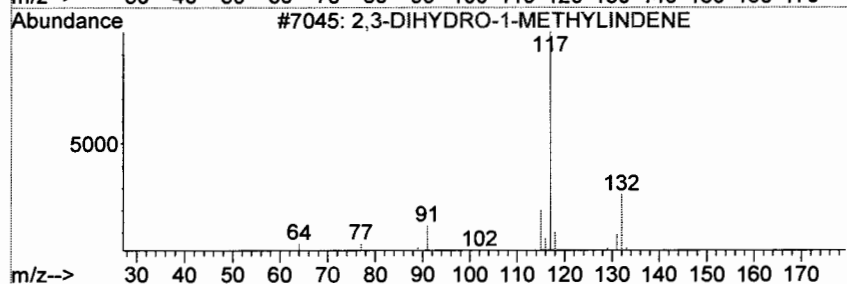
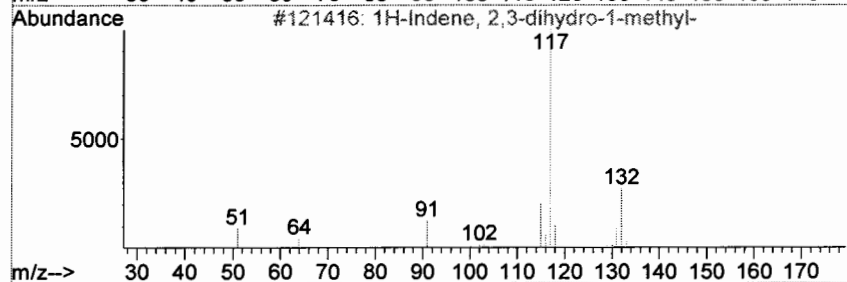
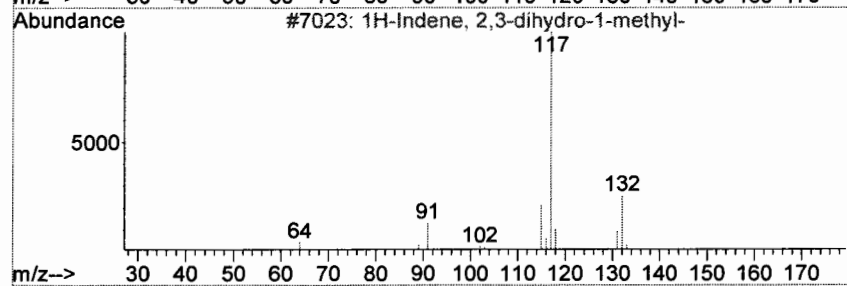
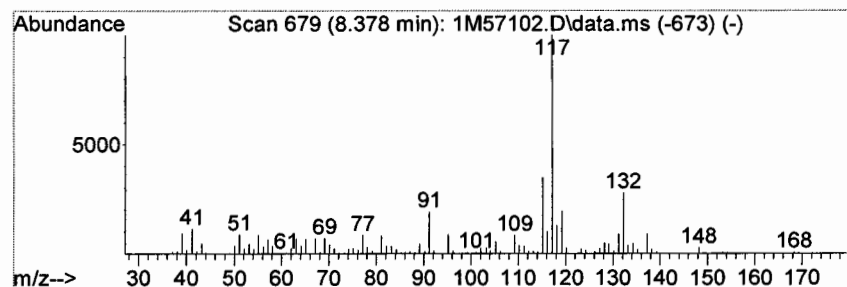
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TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 11 1H-Indene, 2,3-dihydro-1-me... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.38	224.32 ug/l	1783712	LibIS-Fluorobenzene	4.59

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1H-Indene, 2,3-dihydro-1-methyl-	132	C10H12	000767-58-8	74
2			1H-Indene, 2,3-dihydro-1-methyl-	132	C10H12	000767-58-8	81
3			2,3-DIHYDRO-1-METHYLINDENE	132	C10H12	027133-93-3	81
4			1H-Indene, 2,3-dihydro-1-methyl-	132	C10H12	000767-58-8	93
5			1R-METHYL-2T-PHENYLCYCLOPROPANE	132	C10H12	005070-01-9	43



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-10-10\
 Data File : 1M57102.D
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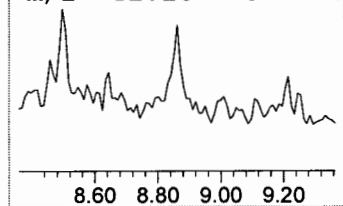
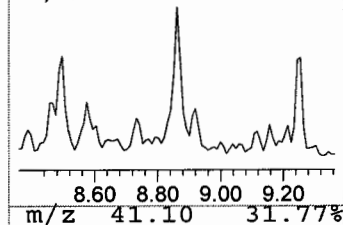
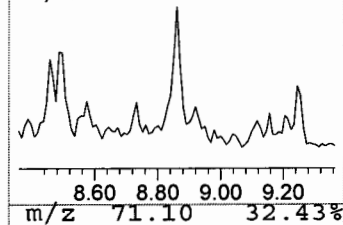
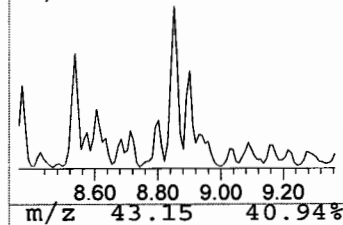
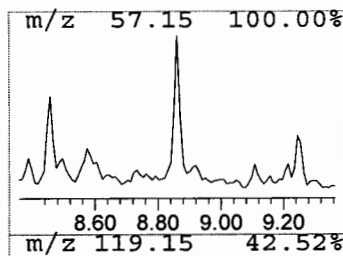
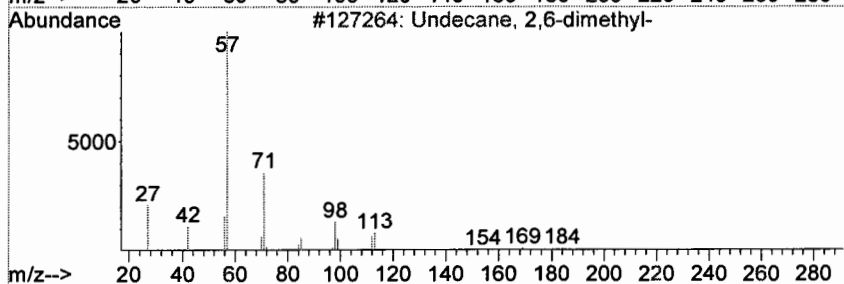
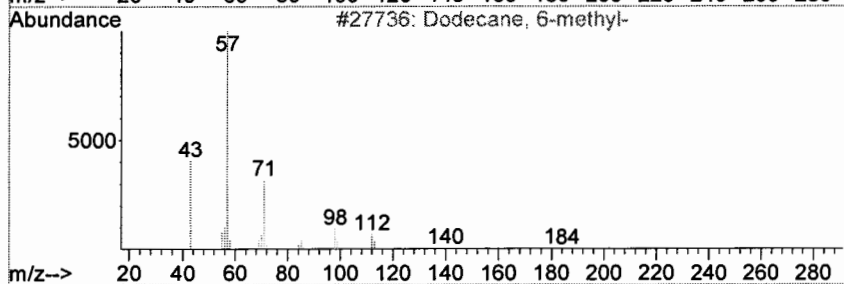
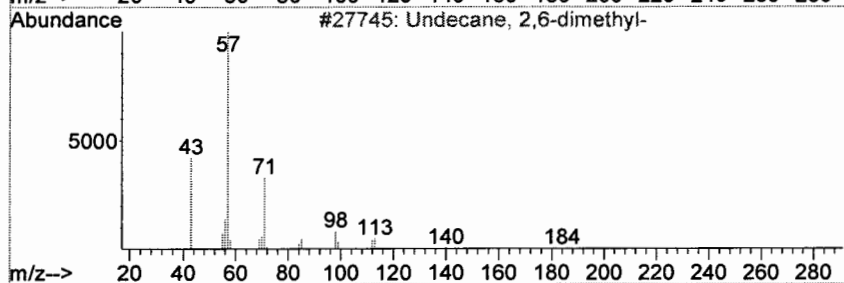
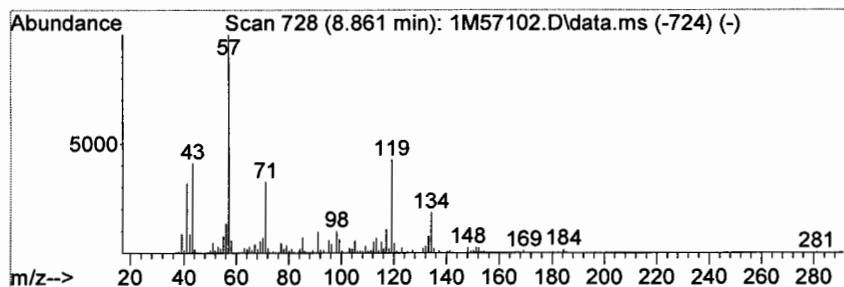
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TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 12 Undecane, 2,6-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.86	390.35 ug/l	3103901	LibIS-Fluorobenzene	4.59

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	30
2			Dodecane, 6-methyl-	184	C13H28	006044-71-9	30
3			Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	86
4			Undecane, 2,5-dimethyl-	184	C13H28	017301-22-3	18
5			Octadecane, 6-methyl-	268	C19H40	010544-96-4	10



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-10-10\
 Data File : 1M57102.D
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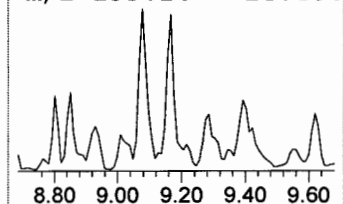
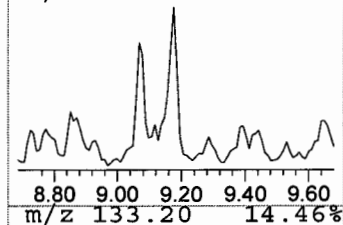
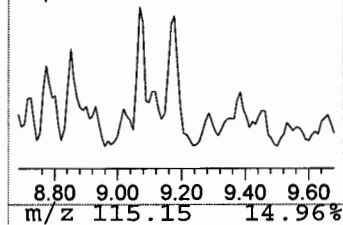
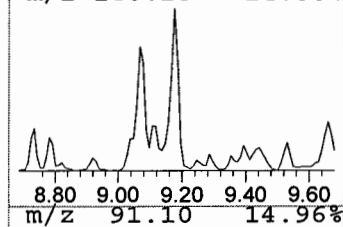
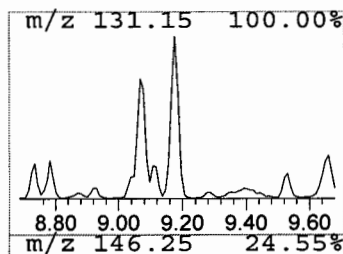
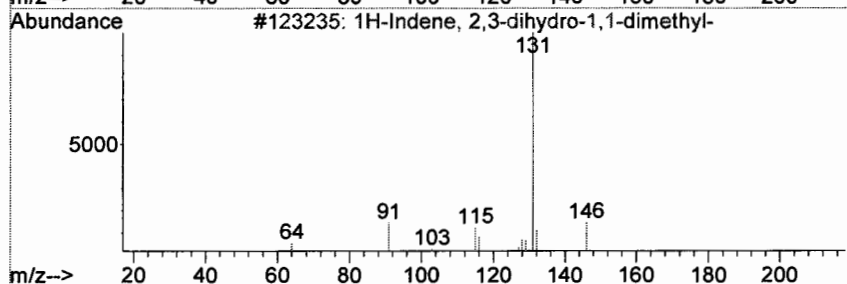
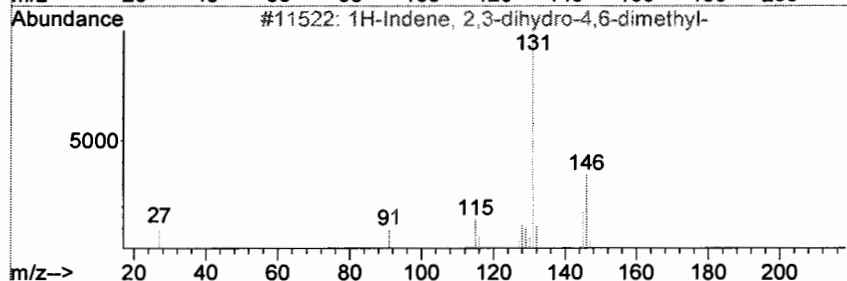
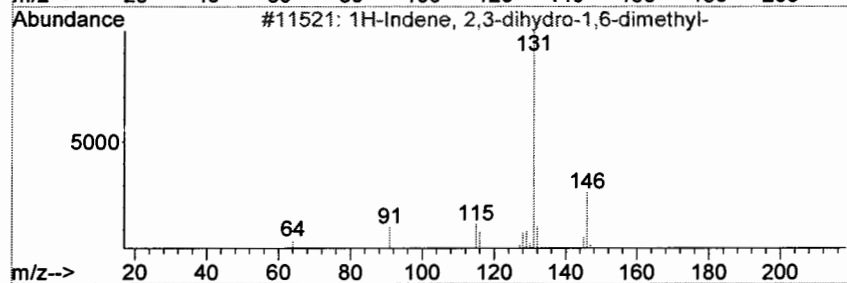
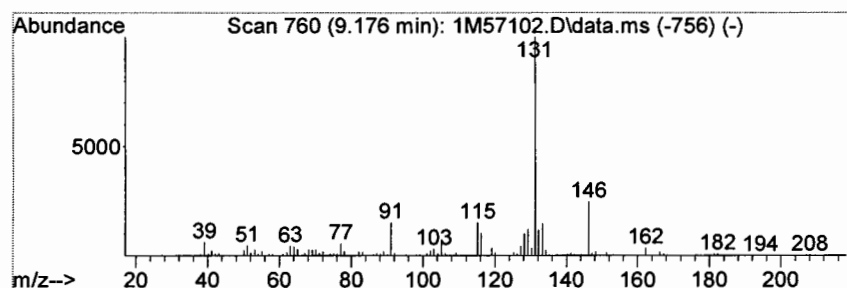
Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0430.M
 Quant Title : @GCMS_1,ug,624,8260

TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 13 1H-Indene, 2,3-dihydro-1,6-... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.18	148.44 ug/l	1180346	LibIS-Fluorobenzene	4.59

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	91
2			1H-Indene, 2,3-dihydro-4,6-dimet...	146	C11H14	001685-82-1	50
3			1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	72
4			1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	50
5			1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	50



Tentatively Identified Compound (LSC) summary

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-10-10\
 Data File : 1M57102.D
 Acq On : 10 May 2010 9:12
 Operator : WP
 Sample : AC51387-002(5X)
 Misc : S,5G!3
 ALS Vial : 33 Sample Multiplier: 1

Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0430.M
 Quant Title : @GCMS_1,ug,624,8260

TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	-----Internal Standard-----				
					#	ExpRT	ActRt	Resp	Conc
unknown	6.60	151.3	ug/l	1203100	1	4.59	4.59	238546	30.0
Cyclohexane, 1,4-...	6.77	166.3	ug/l	1322019	1	4.59	4.59	238546	30.0
Nonane, 3-methyl-	6.84	210.8	ug/l	1676534	1	4.59	4.59	238546	30.0
2-Nonen-1-ol, (Z)-	6.93	367.4	ug/l	2921664	1	4.59	4.59	238546	30.0
Octane, 2,5-dimet...	7.06	245.2	ug/l	1949526	1	4.59	4.59	238546	30.0
1,1,2,3-TETRAMETH...	7.25	174.2	ug/l	1385306	1	4.59	4.59	238546	30.0
Nonane, 2,6-dimet...	7.52	147.8	ug/l	1175469	1	4.59	4.59	238546	30.0
Cyclohexane, 1-pr...	7.75	394.9	ug/l	3140319	1	4.59	4.59	238546	30.0
Naphthalene, deca...	8.09	254.1	ug/l	2020341	1	4.59	4.59	238546	30.0
Benzene, 1-methyl...	8.28	161.2	ug/l	1281575	1	4.59	4.59	238546	30.0
1H-Indene, 2,3-di...	8.38	224.3	ug/l	1783712	1	4.59	4.59	238546	30.0
Undecane, 2,6-dim...	8.86	390.4	ug/l	3103901	1	4.59	4.59	238546	30.0
1H-Indene, 2,3-di...	9.18	148.4	ug/l	1180346	1	4.59	4.59	238546	30.0

Form1
ORGANICS VOLATILE REPORT

Sample Number: AC51387-003
Client Id: PI-01-TP-RAU6043010SS0
Data File: 1M57058.D
Analysis Date: 05/07/10 10:51
Date Rec/Extracted: 05/03/10-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Soil
Initial Vol: 5.04g
Final Vol: NA
Dilution: 0.992
Solids: 82

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.0060	U	56-23-5	Carbon Tetrachloride	0.0060	U
79-34-5	1,1,2,2-Tetrachloroethane	0.0060	U	108-90-7	Chlorobenzene	0.0060	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0060	U	75-00-3	Chloroethane	0.0060	U
79-00-5	1,1,2-Trichloroethane	0.0060	U	67-66-3	Chloroform	0.0060	U
75-34-3	1,1-Dichloroethane	0.0060	U	74-87-3	Chloromethane	0.0060	U
75-35-4	1,1-Dichloroethene	0.0060	U	156-59-2	cis-1,2-Dichloroethene	0.0060	U
96-18-4	1,2,3-Trichloropropane	0.0060	U	10061-01-5	cis-1,3-Dichloropropene	0.0060	U
95-63-6	1,2,4-Trimethylbenzene	0.0012	U	124-48-1	Dibromochloromethane	0.0060	U
95-50-1	1,2-Dichlorobenzene	0.0060	U	75-71-8	Dichlorodifluoromethane	0.0060	U
107-06-2	1,2-Dichloroethane	0.0060	U	100-41-4	Ethylbenzene	0.0012	U
78-87-5	1,2-Dichloropropane	0.0060	U	98-82-8	Isopropylbenzene	0.0012	U
108-67-8	1,3,5-Trimethylbenzene	0.0012	U	136777612	m&p-Xylenes	0.0012	U
541-73-1	1,3-Dichlorobenzene	0.0060	U	75-09-2	Methylene Chloride	0.0060	U
142-28-9	1,3-Dichloropropane	0.0060	U	1634-04-4	Methyl-t-butyl ether	0.0012	U
106-46-7	1,4-Dichlorobenzene	0.0060	U	104-51-8	n-Butylbenzene	0.0012	U
123-91-1	1,4-Dioxane	0.30	U	103-65-1	n-Propylbenzene	0.0012	U
78-93-3	2-Butanone	0.0060	U	95-47-6	o-Xylene	0.0012	U
110-75-8	2-Chloroethylvinylether	0.0060	U	135-98-8	sec-Butylbenzene	0.0012	U
591-78-6	2-Hexanone	0.0060	U	100-42-5	Styrene	0.0060	U
99-87-6	4-Isopropyltoluene	0.0012	U	75-65-0	t-Butyl Alcohol	0.030	U
108-10-1	4-Methyl-2-Pentanone	0.0060	U	98-06-6	t-Butylbenzene	0.0012	U
67-64-1	Acetone	0.030	U	127-18-4	Tetrachloroethene	0.0060	U
107-02-8	Acrolein	0.030	U	108-88-3	Toluene	0.0012	U
107-13-1	Acrylonitrile	0.0060	U	156-60-5	trans-1,2-Dichloroethene	0.0060	U
71-43-2	Benzene	0.0012	U	10061-02-6	trans-1,3-Dichloropropene	0.0060	U
75-27-4	Bromodichloromethane	0.0060	U	79-01-6	Trichloroethene	0.0060	U
75-25-2	Bromoform	0.0060	U	75-69-4	Trichlorofluoromethane	0.0060	U
74-83-9	Bromomethane	0.0060	U	75-01-4	Vinyl Chloride	0.0060	U
75-15-0	Carbon Disulfide	0.0060	U	1330-20-7	Xylenes (Total)	0.0012	U

Worksheet #: 151241

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.

R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.

Form1eORGANICS VOLATILE REPORT
Tentatively Identified Compounds

Sample Number: AC51387-003	Matrix: Soil
Client Id: PI-01-TP-RAU6043010	Initial Vol: 5.04g
Data File: 1M57058.D	Final Vol: NA
Analysis Date: 05/07/10 10:51	Dilution: 0.992
Date Rec/Extracted: 05/03/10-NA	Solids: 82
	Method: EPA 8260B

Units: mg/Kg

Cas #	Compound	RT	Conc
1	No Unknown Compounds Detected	0.00	0J

Worksheet #: 151241

Total Tentatively Identified Concentration 0*A - Indicates an aldol condensate.**J - Indicates an estimated value.**B - Indicates the analyte was found in the blank as well as in the sample.**Y - Indicates the analyte was found in the blank at <10% of the concentration of the sample.**<10% - Indicates the analyte was found in the blank at < 10% of nearest Internal Standard*

Quantitation Report (QT/LSC Reviewed)

SampleID : AC51387-003 Operator : SG Qt Meth : 1M_S0430.M
 Data File: 1M57058.D Sam Mult : 1 Vial# : 17 Qt On : 05/07/10 11:48
 Acq On : 05/ 7/10 10:51 Misc : S,5G!5 Qt Upd On: 05/03/10 08:36

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-07-10\
 Qt Path : G:\GcMsData\2010\GCMS_1\MethodQt\
 Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
4) Fluorobenzene	4.624	96	103126	30.00	ug/l	0.02
48) Chlorobenzene-d5	6.447	117	95605	30.00	ug/l	0.01
63) 1,4-Dichlorobenzene-d4	7.866	152	64334	30.00	ug/l	0.01
System Monitoring Compounds						
33) Dibromofluoromethane	4.171	111	31283	34.76	ug/l	0.01
Spiked Amount 30.000			Recovery	=	115.87%	
35) 1,2-Dichloroethane-d4	4.398	102	5872	33.35	ug/l	0.01
Spiked Amount 30.000			Recovery	=	111.17%	
59) Toluene-d8	5.580	100	72420	25.81	ug/l	0.01
Spiked Amount 30.000			Recovery	=	86.03%	
67) Bromofluorobenzene	7.146	174	54321	27.95	ug/l	0.01
Spiked Amount 30.000			Recovery	=	93.17%	

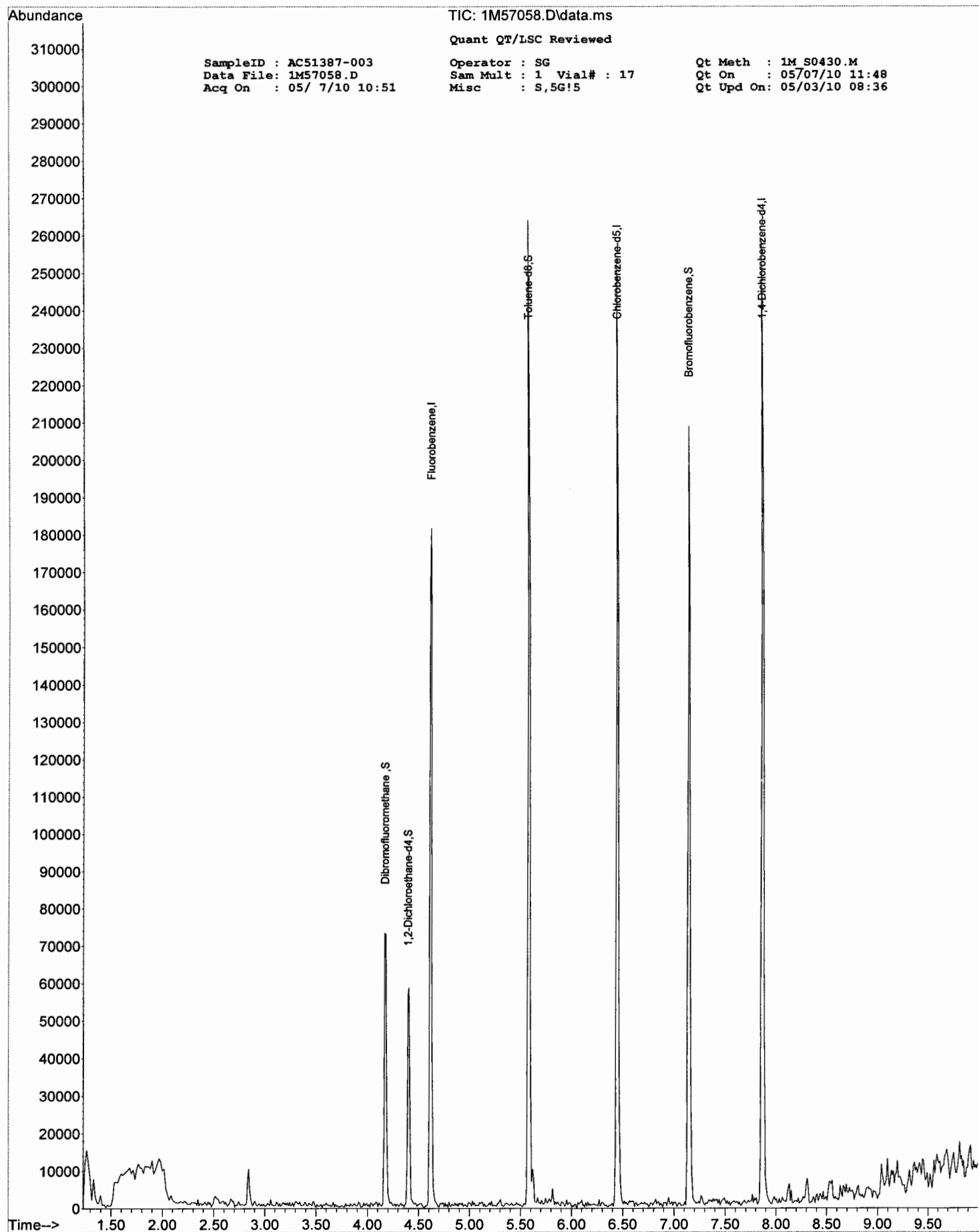
Target Compounds Qvalue

Library Search Internal Standards TIC Results

1) Fluorobenzene	4.624	259619	30.00	ug/l	--
2) Chlorobenzene-d5	6.447	325577	30.00	ug/l	--
3) 1,4-Dichlorobenzene-d4	7.866	373572	30.00	ug/l	--

Library Search Compounds

(#) = qualifier out of range (m) = manual integration (+) = signals summed



LSC Area Percent Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-07-10\
 Data File : 1M57058.D
 Acq On : 7 May 2010 10:51
 Operator : SG
 Sample : AC51387-003
 Misc : S,5G!5
 ALS Vial : 17 Sample Multiplier: 1

Integration Parameters: RTEINT.P
 Integrator: RTE
 Smoothing : ON
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0
 Filtering: 5
 Min Area: 1000 Area counts
 Max Peaks: 100
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0430.M
 Title : @GCMS_1,ug,624,8260

Signal : TIC: 1M57058.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.549	16	20	21	rBV2	6492	21184	5.83%	1.007%
2	1.683	24	28	31	rVB5	3069	13308	3.66%	0.633%
3	1.767	31	33	36	rBV4	4163	14514	3.99%	0.690%
4	1.968	42	45	51	rVB5	11165	60414	16.62%	2.871%
5	2.516	80	84	89	rBV2	2953	9717	2.67%	0.462%
6	2.841	114	117	121	rVB	9849	14779	4.07%	0.702%
7	4.171	249	252	257	rBV	72794	114287	31.44%	5.432%
8	4.407	272	276	279	rBV	57846	84901	23.36%	4.035%
9	4.624	294	298	301	rBV	180927	254293	69.97%	12.086%
10	5.580	392	395	398	rBV	263180	327251	90.04%	15.554%
11	5.619	398	399	402	rVB	8914	9874	2.72%	0.469%
12	6.447	480	483	489	rVB	252428	319431	87.89%	15.182%
13	7.146	551	554	563	rBV	208244	287895	79.21%	13.683%
14	7.866	624	627	631	rBV	255945	363451	100.00%	17.274%
15	8.309	669	672	675	rVB2	6560	10385	2.86%	0.494%
16	8.536	692	695	696	rBV2	5045	9838	2.71%	0.468%
17	8.811	719	723	726	rBV3	3781	8188	2.25%	0.389%
18	8.910	729	733	737	rBV4	2852	9451	2.60%	0.449%
19	9.038	742	746	749	rBV3	9242	18124	4.99%	0.861%
20	9.097	749	752	754	rVV2	8163	9703	2.67%	0.461%
21	9.136	754	756	759	rVV3	4431	8804	2.42%	0.418%
22	9.196	759	762	763	rBV2	6002	7294	2.01%	0.347%
23	9.314	770	774	776	rBV3	6217	10591	2.91%	0.503%
24	9.363	776	779	782	rBV3	6284	15537	4.27%	0.738%
25	9.442	786	787	790	rVB3	5593	8035	2.21%	0.382%
26	9.560	797	799	800	rBV2	7478	8561	2.36%	0.407%
27	9.590	800	802	804	rVV3	5436	9606	2.64%	0.457%
28	9.688	808	812	815	rVB5	7810	19786	5.44%	0.940%
29	9.757	815	819	822	rBV5	6980	15073	4.15%	0.716%
30	9.816	822	825	830	rVB7	9424	21145	5.82%	1.005%
31	9.925	830	836	838	rBV5	8522	18595	5.12%	0.884%

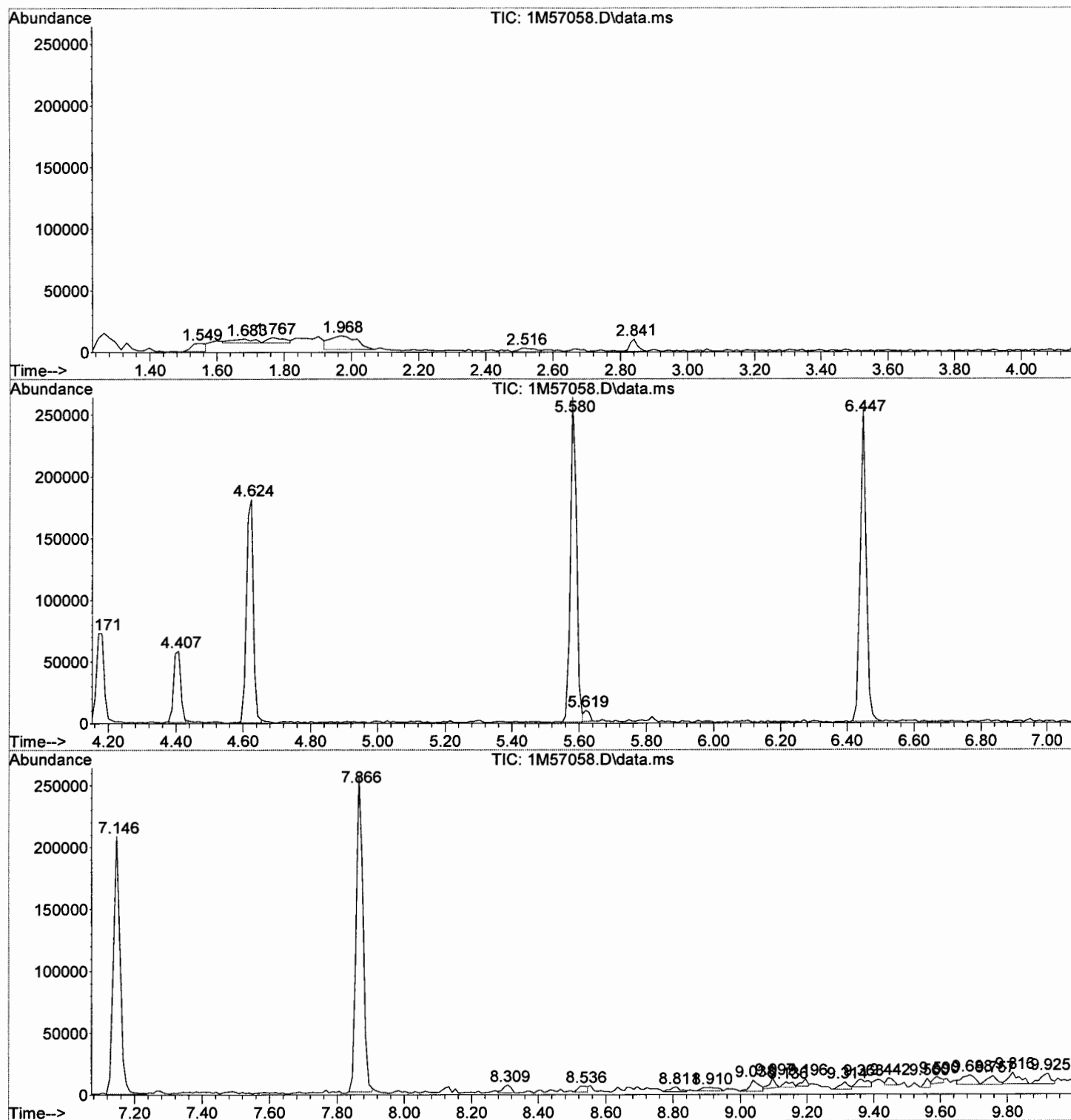
Sum of corrected areas: 2104015

LSC Report - Integrated Chromatogram

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-07-10\
Data File : 1M57058.D
Acq On : 7 May 2010 10:51
Operator : SG
Sample : AC51387-003
Misc : S,5G!5
ALS Vial : 17 Sample Multiplier: 1

Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0430.M
Quant Title : @GCMS_1,ug,624,8260

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P



Tentatively Identified Compound (LSC) summary

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-07-10\
Data File : 1M57058.D
Acq On : 7 May 2010 10:51
Operator : SG
Sample : AC51387-003
Misc : S,5G!5
ALS Vial : 17 Sample Multiplier: 1

Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0430.M
Quant Title : @GCMS_1,ug,624,8260

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	-----Internal Standard-----			
					#	ExpRT	ActRt	Resp

No Library Search Compounds Detected

Form1

ORGANICS VOLATILE REPORT

Sample Number: AC51387-004
 Client Id: PI-01-TP-RAT1043010SS0
 Data File: 1M57068.D
 Analysis Date: 05/07/10 13:35
 Date Rec/Extracted: 05/03/10-NA
 Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
 Matrix: Soil
 Initial Vol: 5.1g
 Final Vol: NA
 Dilution: 0.980
 Solids: 84

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.0058	U	56-23-5	Carbon Tetrachloride	0.0058	U
79-34-5	1,1,2,2-Tetrachloroethane	0.0058	U	108-90-7	Chlorobenzene	0.0058	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0058	U	75-00-3	Chloroethane	0.0058	U
79-00-5	1,1,2-Trichloroethane	0.0058	U	67-66-3	Chloroform	0.0058	U
75-34-3	1,1-Dichloroethane	0.0058	U	74-87-3	Chloromethane	0.0058	U
75-35-4	1,1-Dichloroethene	0.0058	U	156-59-2	cis-1,2-Dichloroethene	0.0058	U
96-18-4	1,2,3-Trichloropropane	0.0058	U	10061-01-5	cis-1,3-Dichloropropene	0.0058	U
95-63-6	1,2,4-Trimethylbenzene	0.0012	0.11	124-48-1	Dibromochloromethane	0.0058	U
95-50-1	1,2-Dichlorobenzene	0.0058	U	75-71-8	Dichlorodifluoromethane	0.0058	U
107-06-2	1,2-Dichloroethane	0.0058	U	100-41-4	Ethylbenzene	0.0012	0.0054
78-87-5	1,2-Dichloropropane	0.0058	U	98-82-8	Isopropylbenzene	0.0012	0.029
108-67-8	1,3,5-Trimethylbenzene	0.0012	0.048	136777612	m&p-Xylenes	0.0012	0.022
541-73-1	1,3-Dichlorobenzene	0.0058	U	75-09-2	Methylene Chloride	0.0058	U
142-28-9	1,3-Dichloropropane	0.0058	U	1634-04-4	Methyl-t-butyl ether	0.0012	U
106-46-7	1,4-Dichlorobenzene	0.0058	U	104-51-8	n-Butylbenzene	0.0012	0.059
123-91-1	1,4-Dioxane	0.29	U	103-65-1	n-Propylbenzene	0.0012	0.028
78-93-3	2-Butanone	0.0058	U	95-47-6	o-Xylene	0.0012	0.034
110-75-8	2-Chloroethylvinylether	0.0058	U	135-98-8	sec-Butylbenzene	0.0012	0.024
591-78-6	2-Hexanone	0.0058	U	100-42-5	Styrene	0.0058	U
99-87-6	4-Isopropyltoluene	0.0012	0.030	75-65-0	t-Butyl Alcohol	0.029	U
108-10-1	4-Methyl-2-Pentanone	0.0058	U	98-06-6	t-Butylbenzene	0.0012	U
67-64-1	Acetone	0.029	U	127-18-4	Tetrachloroethene	0.0058	U
107-02-8	Acrolein	0.029	U	108-88-3	Toluene	0.0012	0.0055
107-13-1	Acrylonitrile	0.0058	U	156-60-5	trans-1,2-Dichloroethene	0.0058	U
71-43-2	Benzene	0.0012	U	10061-02-6	trans-1,3-Dichloropropene	0.0058	U
75-27-4	Bromodichloromethane	0.0058	U	79-01-6	Trichloroethene	0.0058	U
75-25-2	Bromoform	0.0058	U	75-69-4	Trichlorofluoromethane	0.0058	U
74-83-9	Bromomethane	0.0058	U	75-01-4	Vinyl Chloride	0.0058	U
75-15-0	Carbon Disulfide	0.0058	U	1330-20-7	Xylenes (Total)	0.0012	0.056

Worksheet #: 151241

Total Target Concentration 0.39

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.

B - Indicates the analyte was found in the blank as well as in the sample.

E - Indicates the analyte concentration exceeds the calibration range of the instrument.

R - Retention Time Out

J - Indicates an estimated value when a compound is detected at less than the specified detection limit.

d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.

Form1eORGANICS VOLATILE REPORT
Tentatively Identified Compounds

Sample Number: AC51387-004	Matrix: Soil
Client Id: PI-01-TP-RAT1043010	Initial Vol: 5.1g
Data File: 1M57068.D	Final Vol: NA
Analysis Date: 05/07/10 13:35	Dilution: 0.980
Date Rec/Extracted: 05/03/10-NA	Solids: 84
	Method: EPA 8260B

Units: mg/Kg

	Cas #	Compound	RT	Conc
1		unknown	6.96	0.48 J
2	15869-89-3	Octane, 2,5-dimethyl-	7.09	0.46 J
3	2425-54-9	Tetradecane, 1-chloro-	7.36	0.40 J
4	2847-72-5	Decane, 4-methyl-	7.55	0.39 J
5		unknown	7.80	0.66 J
6	493-02-7	Naphthalene, decahydro-, trans-	8.12	0.29 J
7	535-77-3	Benzene, 1-methyl-3-(1-methylethyl)-	8.31	0.32 J
8	767-58-8	1H-Indene, 2,3-dihydro-1-methyl-	8.41	0.35 J
9		unknown	8.52	0.43 J
10	17301-22-3	Undecane, 2,5-dimethyl-	8.89	0.46 J

Worksheet #: 151241

Total Tentatively Identified Concentration 4.2*A - Indicates an aldol condensate.**J - Indicates an estimated value.**B - Indicates the analyte was found in the blank as well as in the sample.**Y - Indicates the analyte was found in the blank at <10% of the concentration of the sample.**<10% - Indicates the analyte was found in the blank at < 10% of nearest Internal Standard*

Quantitation Report (QT/LSC Reviewed)

SampleID : AC51387-004
 Data File: 1M57068.D
 Acq On : 05/ 7/10 13:35

Operator : SG
 Sam Mult : 1 Vial# : 23
 Misc : S,5G!8

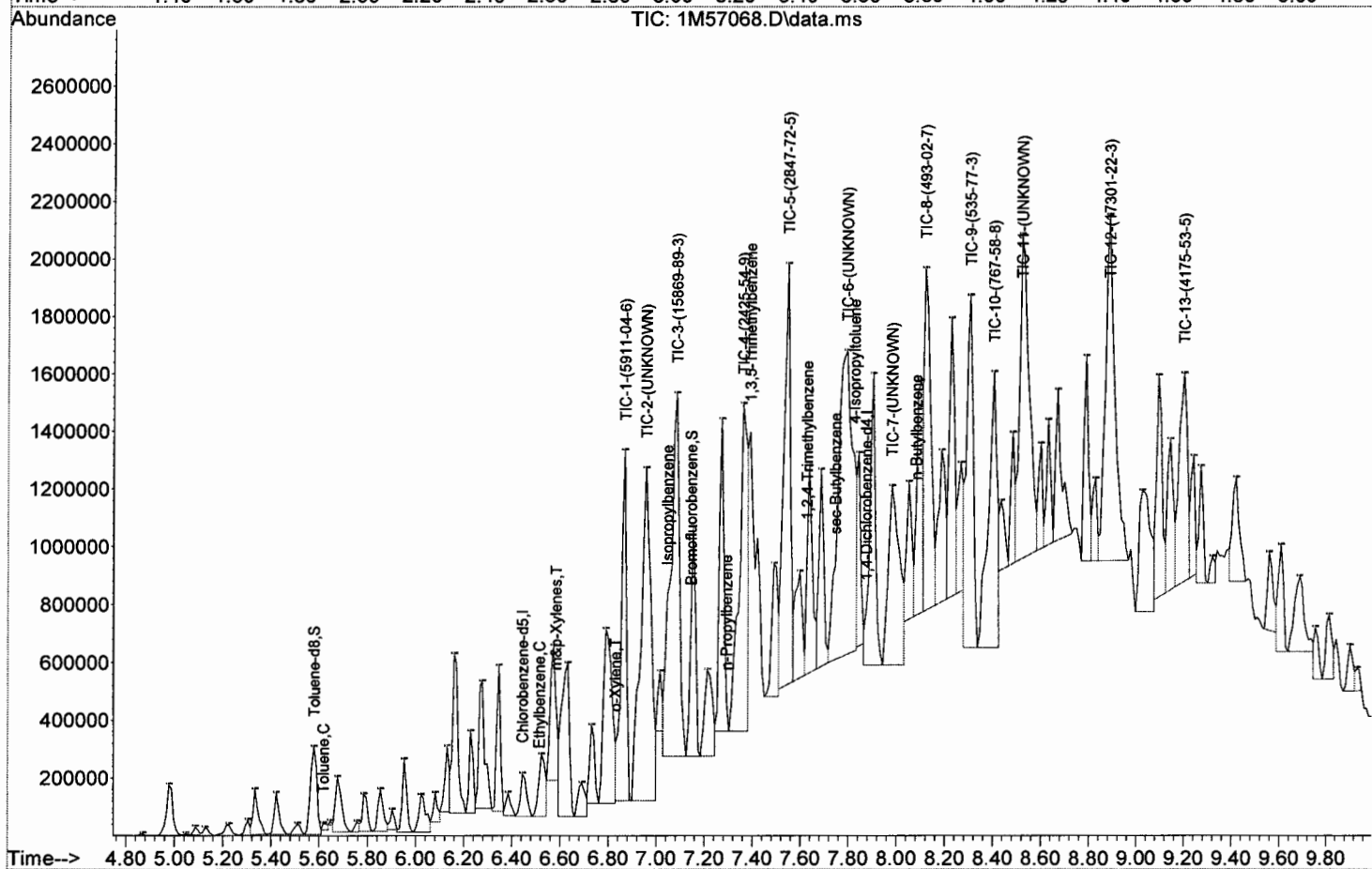
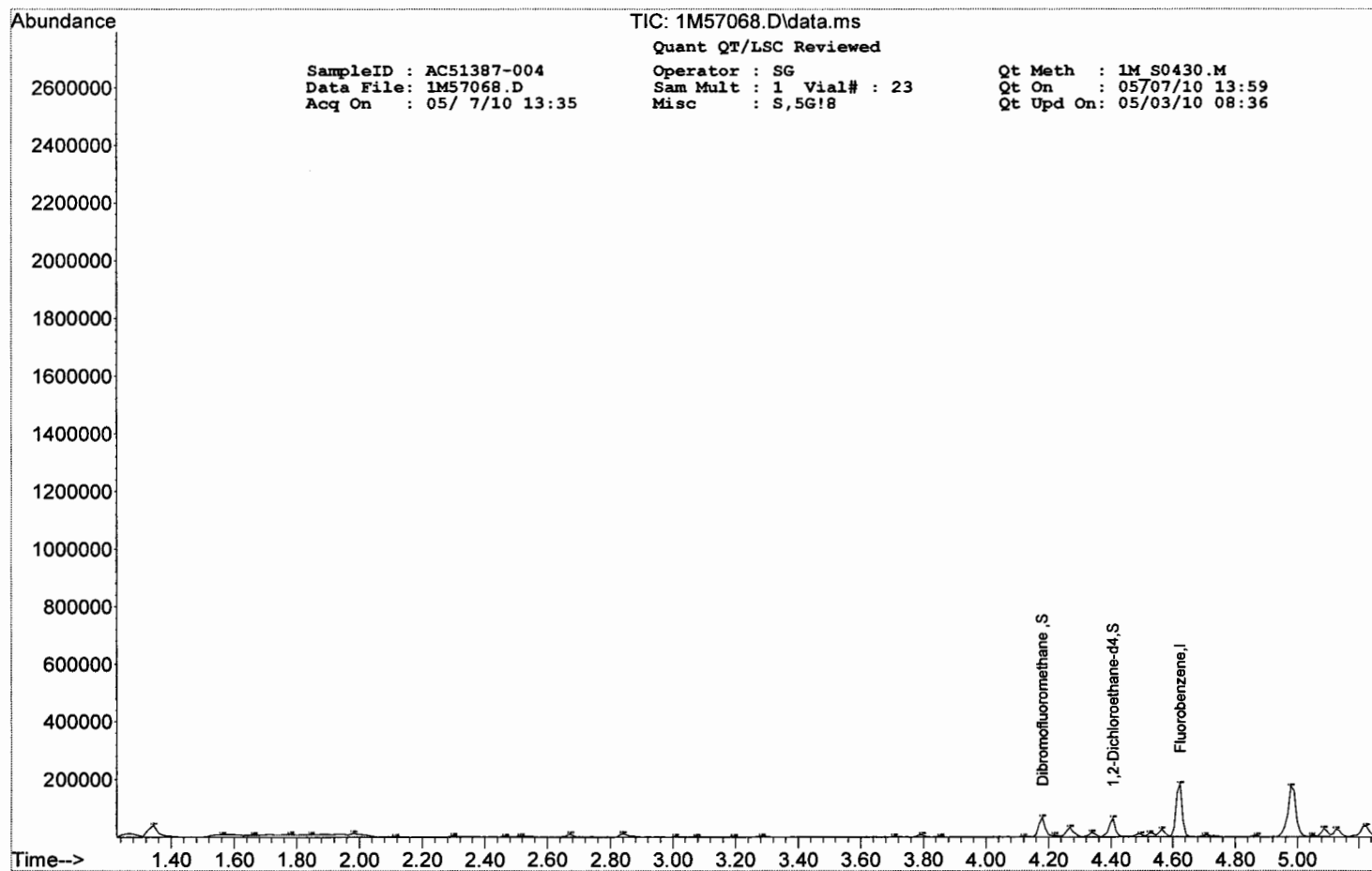
Qt Meth : 1M_S0430.M
 Qt On : 05/07/10 13:59
 Qt Upd On: 05/03/10 08:36

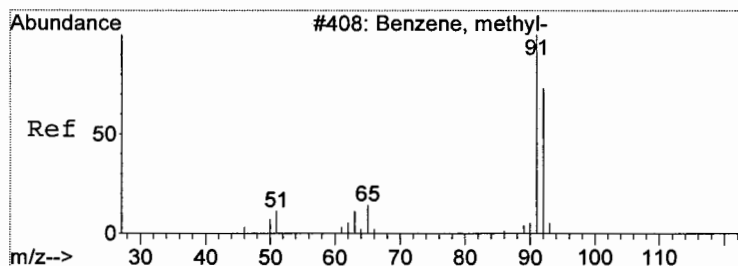
Data Path : G:\GcMsData\2010\GCMS_1\Data\05-07-10\
 Qt Path : G:\GcMsData\2010\GCMS_1\MethodQt\
 Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
4) Fluorobenzene	4.623	96	86304	30.00	ug/l	0.02
48) Chlorobenzene-d5	6.446	117	55765	30.00	ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.874	152	22207	30.00	ug/l	0.02
System Monitoring Compounds						
33) Dibromofluoromethane	4.180	111	27761	36.86	ug/l	0.02
Spiked Amount 30.000			Recovery	=	122.87%	
35) 1,2-Dichloroethane-d4	4.406	102	5274	35.79	ug/l	0.02
Spiked Amount 30.000			Recovery	=	119.30%	
59) Toluene-d8	5.579	100	56838	34.73	ug/l	0.00
Spiked Amount 30.000			Recovery	=	115.77%	
67) Bromofluorobenzene	7.145	174	18824	28.06	ug/l	0.00
Spiked Amount 30.000			Recovery	=	93.53%	
Target Compounds						Qvalue
60) Toluene	5.618	92	9668	4.71	ug/l	86
65) Ethylbenzene	6.515	106	2767	4.59	ug/l	73
69) m&p-Xylenes	6.584	106	17422	18.84	ug/l	62
70) o-Xylene	6.830	106	26124	29.19	ug/l	95
75) Isopropylbenzene	7.047	105	62308	24.87	ug/l	88
81) n-Propylbenzene	7.293	91	76853	24.12	ug/l	97
83) 1,3,5-Trimethylbenzene	7.392	105	86888m	41.10	ug/l	
85) 1,2,4-Trimethylbenzene	7.628	105	194688	92.06	ug/l	86
86) sec-Butylbenzene	7.746	105	54845	20.36	ug/l	67
87) 4-Isopropyltoluene	7.825	119	56005m	26.06	ug/l	
88) n-Butylbenzene	8.081	91	134557m	50.69	ug/l	
Library Search Internal Standards TIC Results						
1) Fluorobenzene	4.623		252202	30.00	ug/l	--
Library Search Compounds						
1) 5911-04-6	6.870		1842503	219.17	ug/l	94
2) UNKNOWN	6.960		3443239	409.58	ug/l	--
3) 15869-89-3	7.090		3316043	394.45	ug/l	53
4) 2425-54-9	7.360		2895532	344.43	ug/l	52
5) 2847-72-5	7.550		2784479	331.22	ug/l	78
6) UNKNOWN	7.800		4734724	563.21	ug/l	--
7) UNKNOWN	7.980		2035346	242.11	ug/l	--
8) 493-02-7	8.120		2121526	252.36	ug/l	76
9) 535-77-3	8.310		2274215	270.52	ug/l	70
10) 767-58-8	8.410		2496441	296.96	ug/l	76
11) UNKNOWN	8.520		3073855	365.64	ug/l	--
12) 17301-22-3	8.890		3322017	395.16	ug/l	60
13) 4175-53-5	9.200		1755667	208.84	ug/l	91

(#) = qualifier out of range (m) = manual integration (+) = signals summed





#60

Toluene

Concen: 4.71 ug/l

RT: 5.618 min Scan# 400

Delta R.T. 0.010 min

Lab File: 1M57068.D

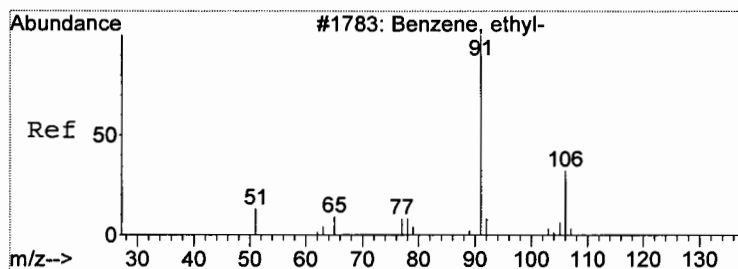
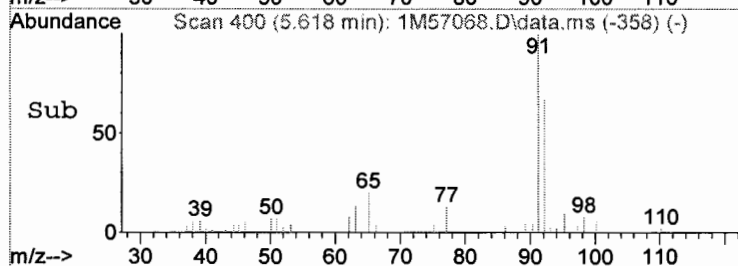
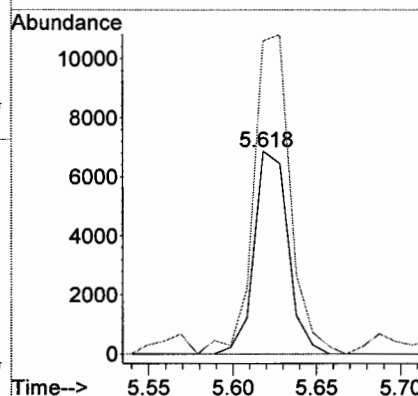
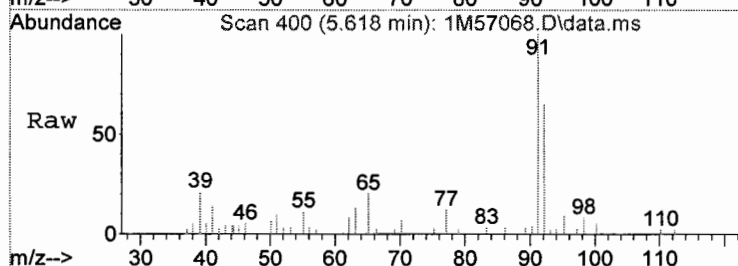
Acq: 7 May 2010 13:35

Tgt Ion: 92 Resp: 9668

Ion Ratio Lower Upper

92 100

91 154.2 104.1 242.9



#65

Ethylbenzene

Concen: 4.59 ug/l

RT: 6.515 min Scan# 491

Delta R.T. 0.009 min

Lab File: 1M57068.D

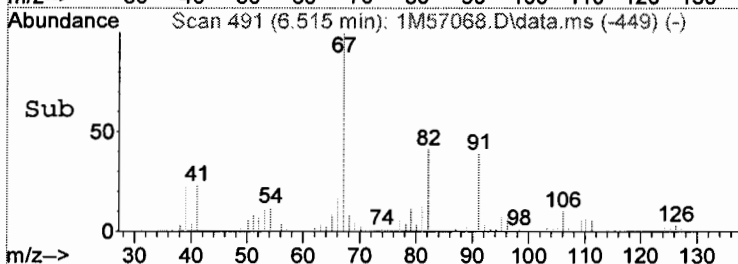
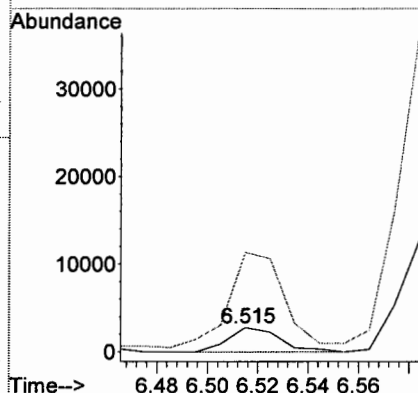
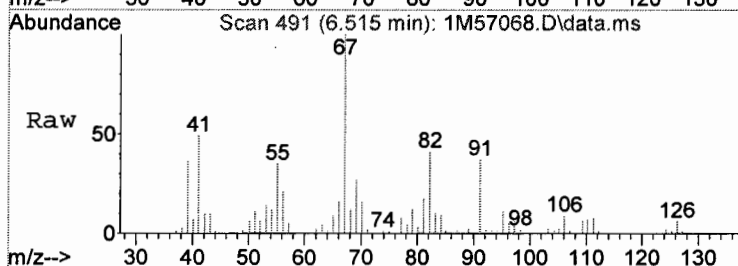
Acq: 7 May 2010 13:35

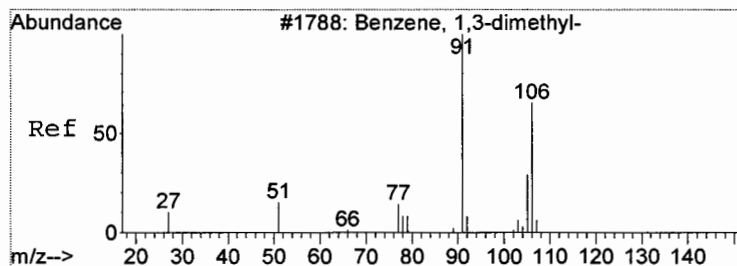
Tgt Ion: 106 Resp: 2767

Ion Ratio Lower Upper

106 100

91 374.1 191.5 446.7





#69

m&p-Xylenes

Concen: 18.84 ug/l

RT: 6.584 min Scan# 498

Delta R.T. 0.009 min

Lab File: 1M57068.D

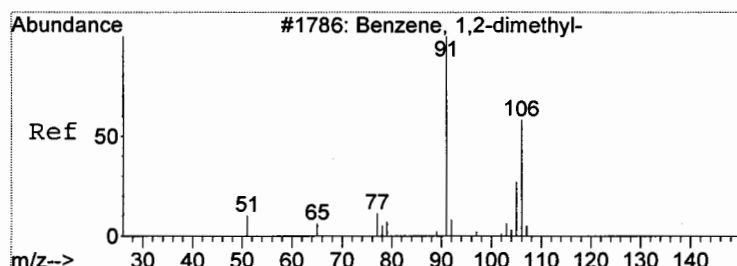
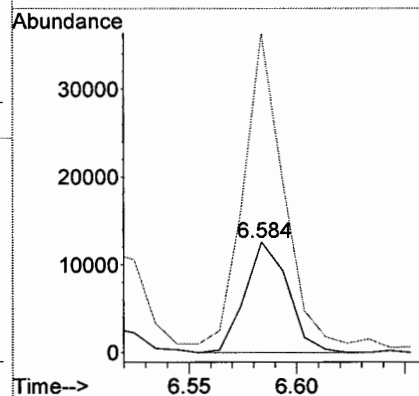
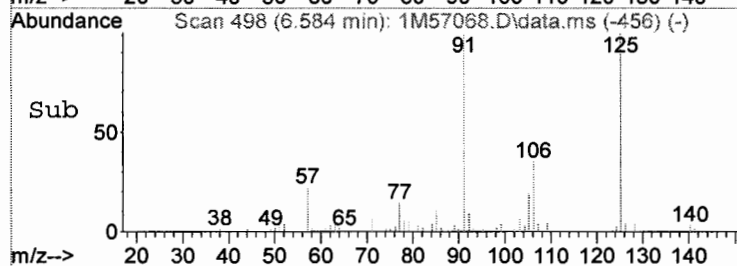
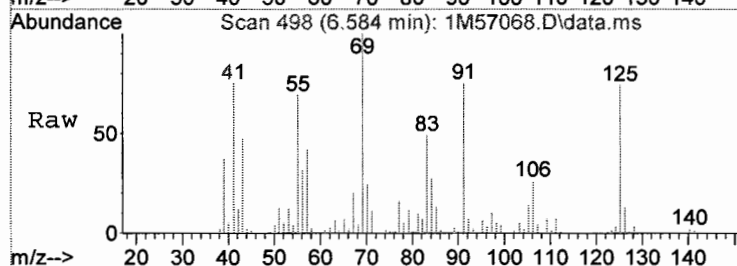
Acq: 7 May 2010 13:35

Tgt Ion:106 Resp: 17422

Ion Ratio Lower Upper

106 100

91 281.2 132.0 308.0



#70

o-Xylene

Concen: 29.19 ug/l

RT: 6.830 min Scan# 523

Delta R.T. 0.009 min

Lab File: 1M57068.D

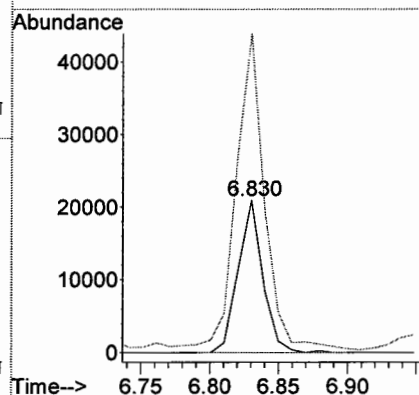
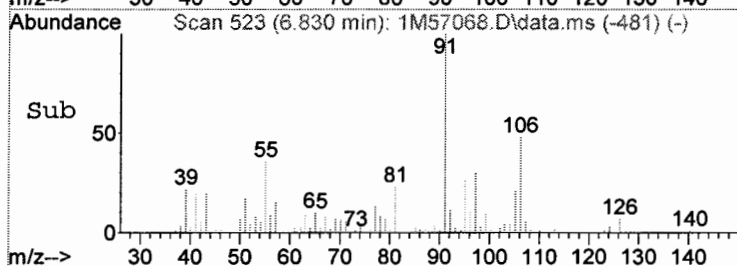
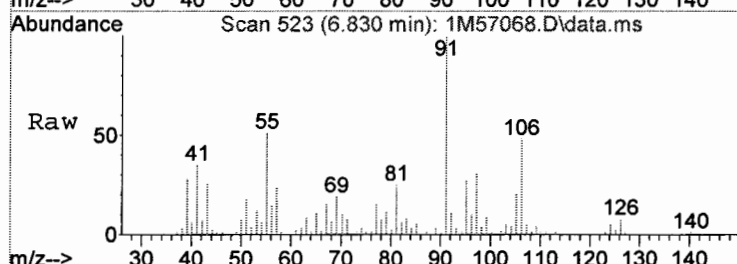
Acq: 7 May 2010 13:35

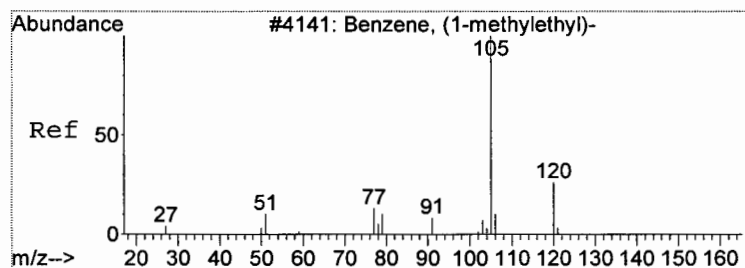
Tgt Ion:106 Resp: 26124

Ion Ratio Lower Upper

106 100

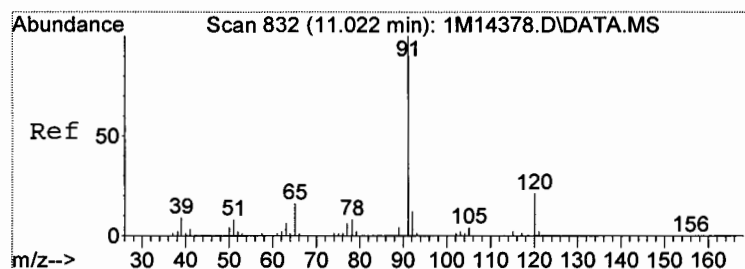
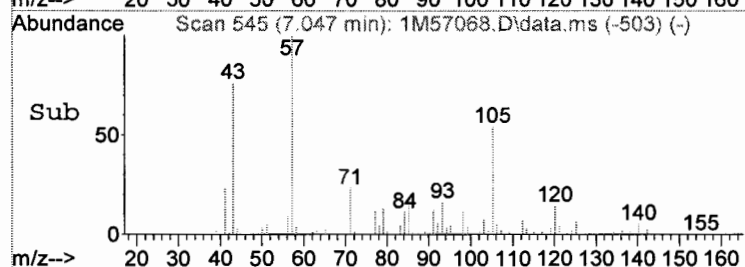
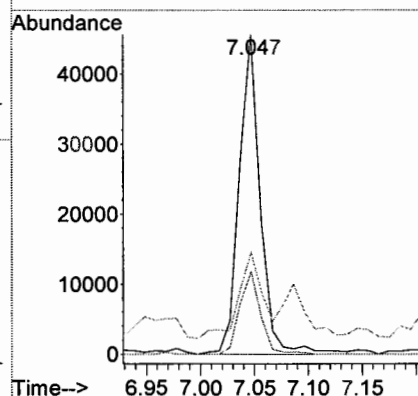
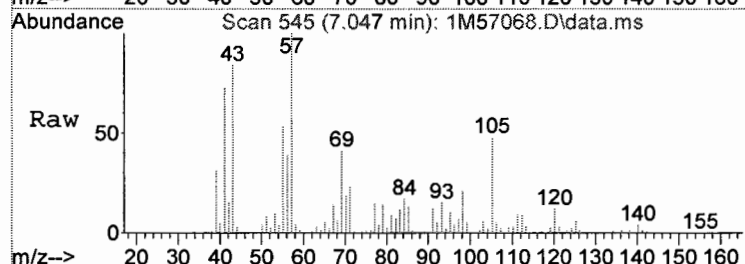
91 207.0 129.1 301.1





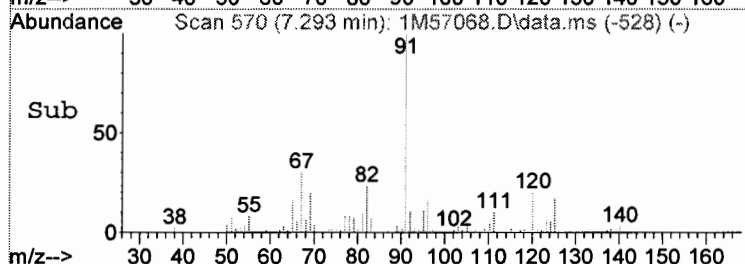
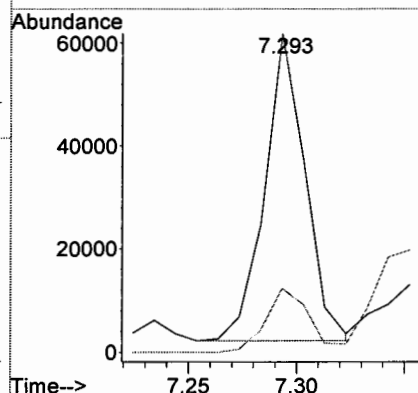
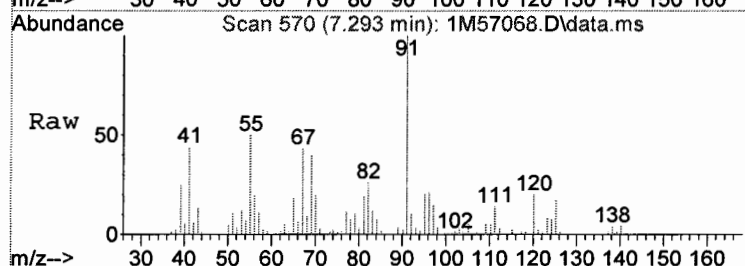
#75
Isopropylbenzene
Concen: 24.87 ug/l
RT: 7.047 min Scan# 545
Delta R.T. 0.009 min
Lab File: 1M57068.D
Acq: 7 May 2010 13:35

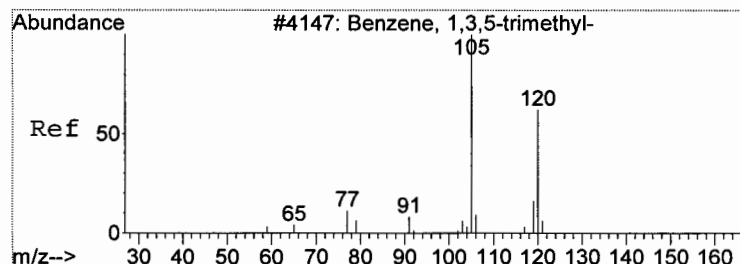
Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.5	0.0	66.9
77	30.2	0.0	58.3



#81
n-Propylbenzene
Concen: 24.12 ug/l
RT: 7.293 min Scan# 570
Delta R.T. 0.010 min
Lab File: 1M57068.D
Acq: 7 May 2010 13:35

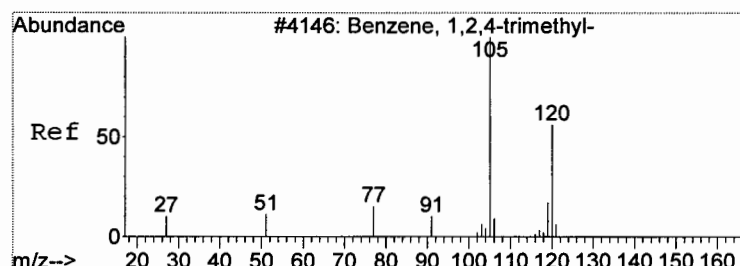
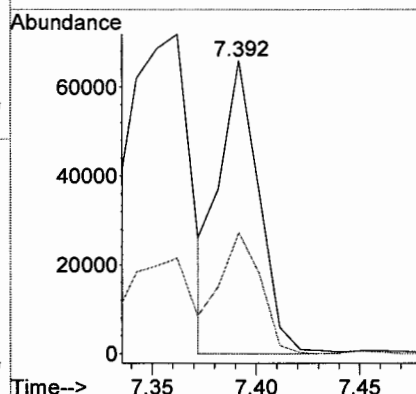
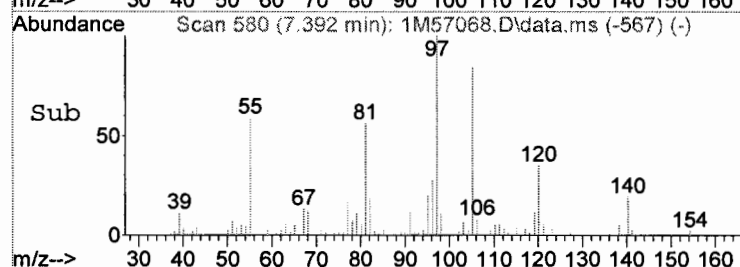
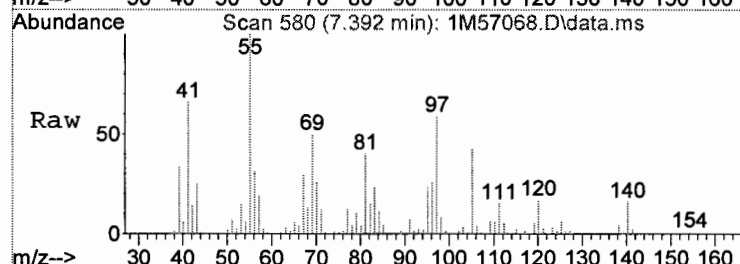
Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.9	0.0	61.6





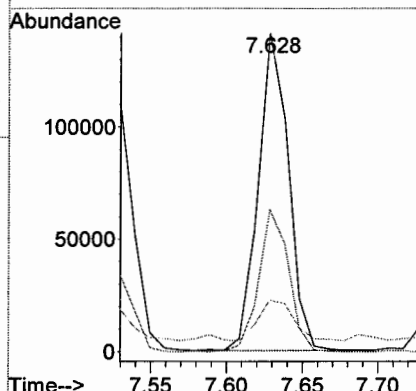
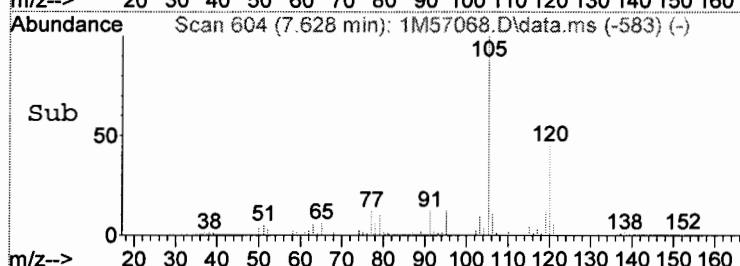
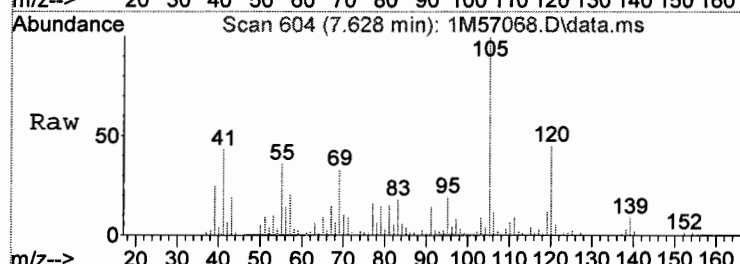
#83
1,3,5-Trimethylbenzene
Concen: 41.10 ug/l m
RT: 7.392 min Scan# 580
Delta R.T. 0.009 min
Lab File: 1M57068.D
Acq: 7 May 2010 13:35

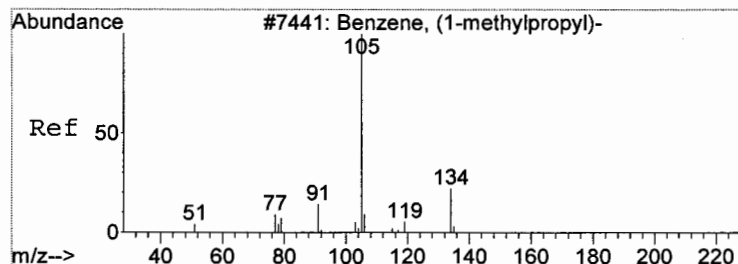
Tgt Ion:105 Resp: 86888
Ion Ratio Lower Upper
105 100
120 47.9 0.0 94.0



#85
1,2,4-Trimethylbenzene
Concen: 92.06 ug/l
RT: 7.628 min Scan# 604
Delta R.T. 0.009 min
Lab File: 1M57068.D
Acq: 7 May 2010 13:35

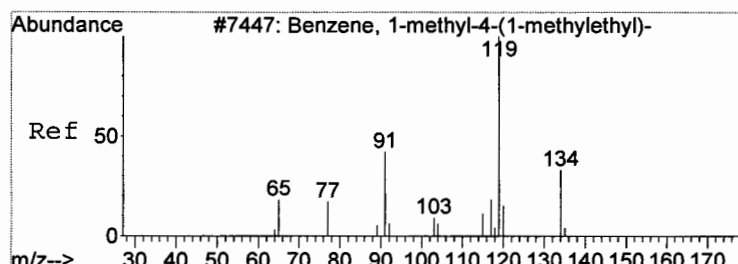
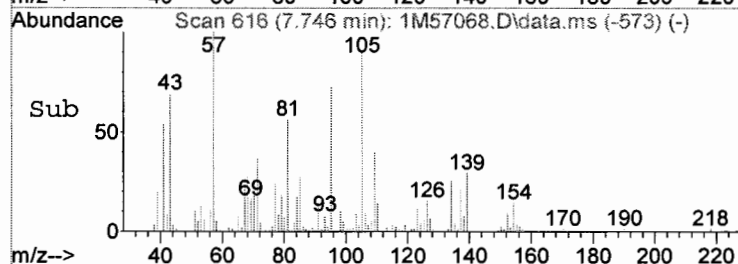
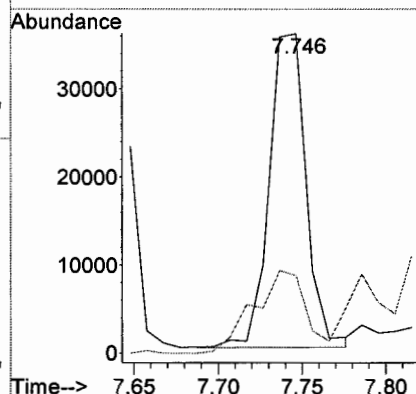
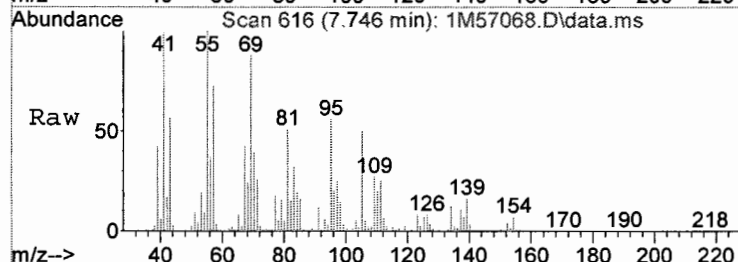
Tgt Ion:105 Resp: 194688
Ion Ratio Lower Upper
105 100
120 44.4 12.2 92.2
77 16.3 0.0 66.0





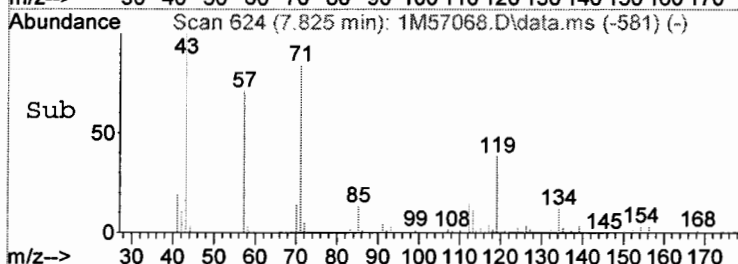
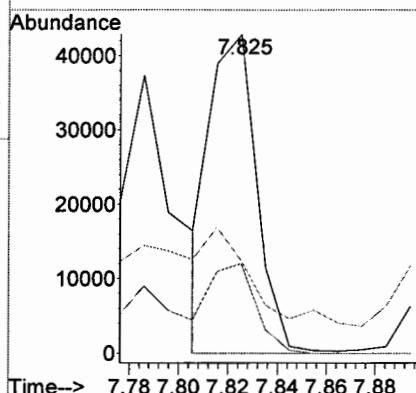
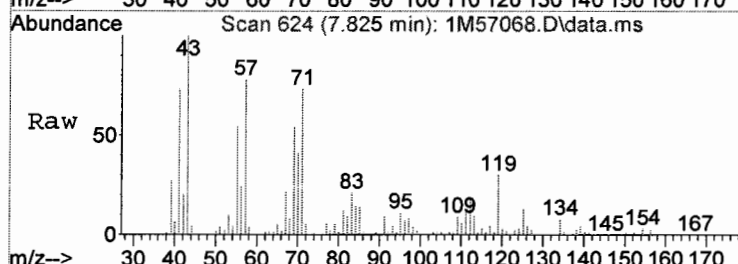
#86
 sec-Butylbenzene
 Concen: 20.36 ug/l
 RT: 7.746 min Scan# 616
 Delta R.T. 0.019 min
 Lab File: 1M57068.D
 Acq: 7 May 2010 13:35

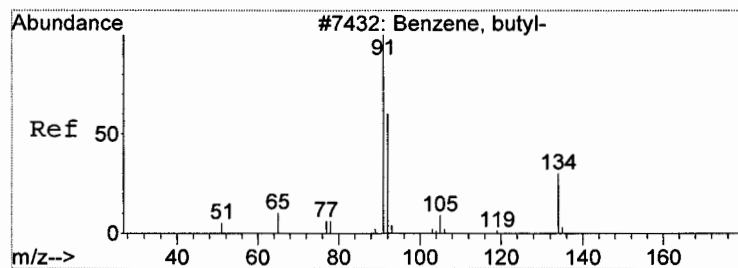
Tgt Ion:105 Resp: 54845
 Ion Ratio Lower Upper
 105 100
 134 37.5 0.0 61.8



#87
 4-Isopropyltoluene
 Concen: 26.06 ug/l m
 RT: 7.825 min Scan# 624
 Delta R.T. 0.019 min
 Lab File: 1M57068.D
 Acq: 7 May 2010 13:35

Tgt Ion:119 Resp: 56005
 Ion Ratio Lower Upper
 119 100
 134 13.0 0.0 66.7
 91 10.9 0.0 66.3





#88

n-Butylbenzene

Concen: 50.69 ug/l m

RT: 8.081 min Scan# 650

Delta R.T. 0.009 min

Lab File: 1M57068.D

Acq: 7 May 2010 13:35

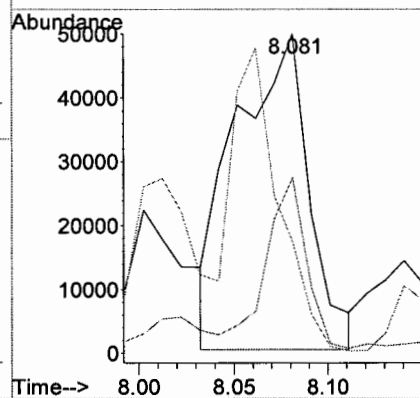
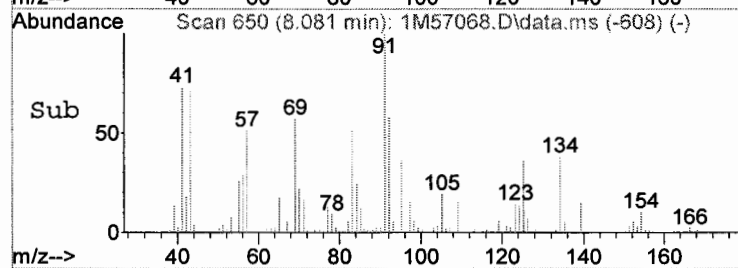
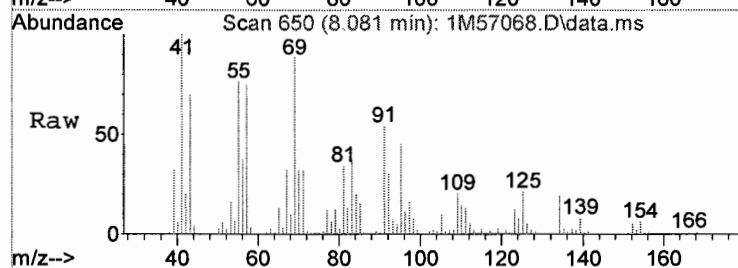
Tgt Ion: 91 Resp: 134557

Ion Ratio Lower Upper

91 100

92 29.2 8.4 88.4

134 60.5 3.6 83.6



LSC Area Percent Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-07-10\
 Data File : 1M57068.D
 Acq On : 7 May 2010 13:35
 Operator : SG
 Sample : AC51387-004
 Misc : S,5G!8
 ALS Vial : 23 Sample Multiplier: 1

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 1000 Area counts

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0430.M

Title : @GCMS_1,ug,624,8260

Signal : TIC: 1M57068.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.344	6	8	13	rVB	40612	90185	1.90%	0.119%
2	1.562	17	21	25	rBV4	9002	56578	1.19%	0.075%
3	1.663	25	27	29	rVV3	1864	8010	0.17%	0.011%
4	1.780	31	34	35	rBV3	3252	5603	0.12%	0.007%
5	1.847	35	38	39	rBV3	2104	4183	0.09%	0.006%
6	1.981	45	46	51	rVB3	11517	30868	0.65%	0.041%
7	2.115	51	54	57	rVB4	1951	8518	0.18%	0.011%
8	2.299	62	65	66	rBV	3727	7225	0.15%	0.010%
9	2.466	78	80	81	rBV	1762	2238	0.05%	0.003%
10	2.515	83	85	91	rVB2	3067	8407	0.18%	0.011%
11	2.673	94	101	103	rBV2	10466	16154	0.34%	0.021%
12	2.840	115	118	124	rVB3	11642	23446	0.50%	0.031%
13	3.007	132	135	136	rBV	1985	2296	0.05%	0.003%
14	3.076	139	142	144	rVB3	1923	3948	0.08%	0.005%
15	3.195	151	154	156	rVB	1316	2392	0.05%	0.003%
16	3.283	160	163	169	rVB2	2690	7041	0.15%	0.009%
17	3.707	204	206	209	rBV	1747	3123	0.07%	0.004%
18	3.796	212	215	218	rBV	7344	12215	0.26%	0.016%
19	3.855	218	221	224	rVB	1816	2370	0.05%	0.003%
20	4.121	244	248	251	rBV	1699	3716	0.08%	0.005%
21	4.180	251	254	257	rVV	67907	95370	2.01%	0.126%
22	4.219	257	258	260	rVV	6105	6435	0.14%	0.008%
23	4.269	260	263	267	rVB2	31469	49821	1.05%	0.066%
24	4.338	267	270	273	rVB	14929	20686	0.44%	0.027%
25	4.406	273	277	280	rBV	64225	90897	1.92%	0.120%
26	4.495	282	286	287	rBV2	8503	13217	0.28%	0.017%
27	4.525	287	289	291	rVV2	10715	15812	0.33%	0.021%
28	4.564	291	293	296	rVB	24758	31367	0.66%	0.041%
29	4.623	296	299	302	rBV	182307	247323	5.22%	0.327%
30	4.702	304	307	315	rBV5	5732	16806	0.35%	0.022%
31	4.870	320	324	325	rBV2	4444	6134	0.13%	0.008%
32	4.978	330	335	340	rBV2	174214	318833	6.73%	0.421%
33	5.047	340	342	344	rVV2	3534	4884	0.10%	0.006%
34	5.086	344	346	348	rVV	26985	36523	0.77%	0.048%
35	5.126	348	350	354	rVB2	25549	41426	0.87%	0.055%

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-07-10\
 Data File : 1M57068.D
 Acq On : 7 May 2010 13:35
 Operator : SG
 Sample : AC51387-004
 Misc : S,5G!8
 ALS Vial : 23 Sample Multiplier: 1

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 1000 Area counts

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0430.M
 Title : @GCMS_1,ug,624,8260

36	5.224	354	360	364	rBV3	36799	76138	1.61%	0.101%
37	5.303	364	368	369	rBV2	50888	70290	1.48%	0.093%
38	5.333	369	371	376	rVB2	154450	233474	4.93%	0.308%
39	5.421	377	380	385	rVB	141937	212148	4.48%	0.280%
40	5.510	385	389	392	rBV3	35290	68784	1.45%	0.091%
41	5.579	392	396	399	rBV2	300684	568040	12.00%	0.750%
42	5.618	399	400	402	rBV	20907	35016	0.74%	0.046%
43	5.648	402	403	404	rBV	11520	9007	0.19%	0.012%
44	5.677	404	406	412	rVB3	188290	336094	7.10%	0.444%
45	5.756	412	414	415	rBV2	34355	45739	0.97%	0.060%
46	5.786	415	417	421	rVB2	126941	189457	4.00%	0.250%
47	5.855	421	424	427	rBV2	143775	234879	4.96%	0.310%
48	5.904	427	429	431	rVB2	66958	79047	1.67%	0.104%
49	5.953	431	434	438	rVB	250716	321187	6.78%	0.424%
50	6.022	438	441	445	rBV	127653	284908	6.02%	0.376%
51	6.081	445	447	449	rBV	99125	126016	2.66%	0.166%
52	6.131	449	452	453	rBV2	224242	297559	6.28%	0.393%
53	6.160	453	455	460	rVB	548987	881218	18.61%	1.164%
54	6.229	460	462	464	rBV	281457	342204	7.23%	0.452%
55	6.278	464	467	471	rVB2	437276	779443	16.46%	1.029%
56	6.347	471	474	476	rVB	501610	568942	12.02%	0.751%
57	6.387	476	478	481	rVB2	76783	111384	2.35%	0.147%
58	6.446	481	484	488	rVB3	146810	263015	5.56%	0.347%
59	6.525	488	492	494	rBV2	213971	425937	9.00%	0.562%
60	6.574	494	497	499	rBV2	463896	797647	16.85%	1.053%
61	6.633	499	503	506	rVB2	529494	1210178	25.56%	1.598%
62	6.692	506	509	511	rBV4	114406	251402	5.31%	0.332%
63	6.732	511	513	516	rVB	268997	397752	8.40%	0.525%
64	6.791	516	519	523	rBV2	601065	1563563	33.02%	2.065%
65	6.870	523	527	530	rVB	1210128	1842503	38.91%	2.433%
66	6.958	530	536	540	rBV3	1148944	3443239	72.72%	4.547%
67	7.017	540	542	543	rBV2	204390	259164	5.47%	0.342%
68	7.086	543	549	553	rVB4	1255685	3316043	70.04%	4.379%
69	7.155	553	556	559	rBV3	790854	1116884	23.59%	1.475%
70	7.214	559	562	565	rBV3	296052	699369	14.77%	0.924%
71	7.273	565	568	571	rVB2	1076680	1446668	30.55%	1.910%
72	7.362	571	577	579	rBV5	1130851	2895532	61.16%	3.824%
73	7.490	586	590	592	rBV4	456482	865809	18.29%	1.143%
74	7.549	592	596	598	rVV2	1470701	2784479	58.81%	3.677%
75	7.599	598	601	603	rVV4	374364	757600	16.00%	1.000%

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-07-10\
 Data File : 1M57068.D
 Acq On : 7 May 2010 13:35
 Operator : SG
 Sample : AC51387-004
 Misc : S,5G18
 ALS Vial : 23 Sample Multiplier: 1

Integration Parameters: RTEINT.P

Integrator: RTE

Smoother: ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 1000 Area counts

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0430.M
 Title : @GCMS_1,ug,624,8260

76	7.638	603	605	608	rVV2	717157	1156017	24.42%	1.527%
77	7.687	608	610	613	rVV	682573	926829	19.58%	1.224%
78	7.796	613	621	625	rVV6	1066886	4734724	100.00%	6.253%
79	7.845	625	626	628	rVV2	666328	545496	11.52%	0.720%
80	7.904	628	632	636	rVB2	1006731	1651040	34.87%	2.180%
81	7.983	636	640	645	rBV5	615598	2035346	42.99%	2.688%
82	8.052	645	647	649	rVV2	474853	742773	15.69%	0.981%
83	8.101	649	652	653	rVV2	807618	1605499	33.91%	2.120%
84	8.121	653	654	658	rVV3	1179623	2121526	44.81%	2.802%
85	8.190	658	661	663	rVV3	521194	1113945	23.53%	1.471%
86	8.229	663	665	667	rVV2	960807	1480310	31.26%	1.955%
87	8.269	667	669	670	rVV3	443697	695980	14.70%	0.919%
88	8.308	670	673	676	rVB2	1218979	2274215	48.03%	3.003%
89	8.407	676	683	685	rBV4	953784	2496441	52.73%	3.297%
90	8.436	685	686	689	rVV3	228284	331265	7.00%	0.437%
91	8.485	689	691	692	rVV2	449185	582747	12.31%	0.770%
92	8.525	692	695	701	rVV5	1105219	3073855	64.92%	4.059%
93	8.604	701	703	704	rVV	357905	427480	9.03%	0.565%
94	8.633	704	706	708	rVV2	423176	518709	10.96%	0.685%
95	8.673	708	710	716	rVV5	500006	953103	20.13%	1.259%
96	8.791	720	722	724	rBV2	709364	970804	20.50%	1.282%
97	8.830	724	726	727	rVV	283553	365981	7.73%	0.483%
98	8.889	727	732	740	rVB4	1198305	3322017	70.16%	4.387%
99	9.027	743	746	751	rBV5	416160	1482147	31.30%	1.957%
100	9.096	751	753	756	rVV3	770743	1300542	27.47%	1.717%
101	9.145	756	758	760	rVV2	520626	913995	19.30%	1.207%
102	9.205	760	764	766	rVV3	720638	1755667	37.08%	2.318%
103	9.244	766	768	769	rVV	410810	502008	10.60%	0.663%
104	9.273	769	771	774	rVB	402713	491962	10.39%	0.650%
105	9.323	774	776	777	rBV2	89896	131191	2.77%	0.173%
106	9.421	783	786	790	rVB4	358744	745480	15.74%	0.984%
107	9.559	798	800	803	rBV2	263523	470872	9.95%	0.622%
108	9.608	803	805	808	rVB3	365910	534347	11.29%	0.706%
109	9.687	808	813	819	rBV6	256731	780213	16.48%	1.030%
110	9.756	819	820	823	rVB3	177660	214847	4.54%	0.284%
111	9.815	823	826	828	rBV3	220380	423294	8.94%	0.559%
112	9.904	832	835	837	rBV4	155739	261650	5.53%	0.346%
113	9.934	837	838	840	rVB2	76599	89079	1.88%	0.118%

LSC Area Percent Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-07-10\
Data File : 1M57068.D
Acq On : 7 May 2010 13:35
Operator : SG
Sample : AC51387-004
Misc : S,5G!8
ALS Vial : 23 Sample Multiplier: 1

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 1000 Area counts

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0430.M

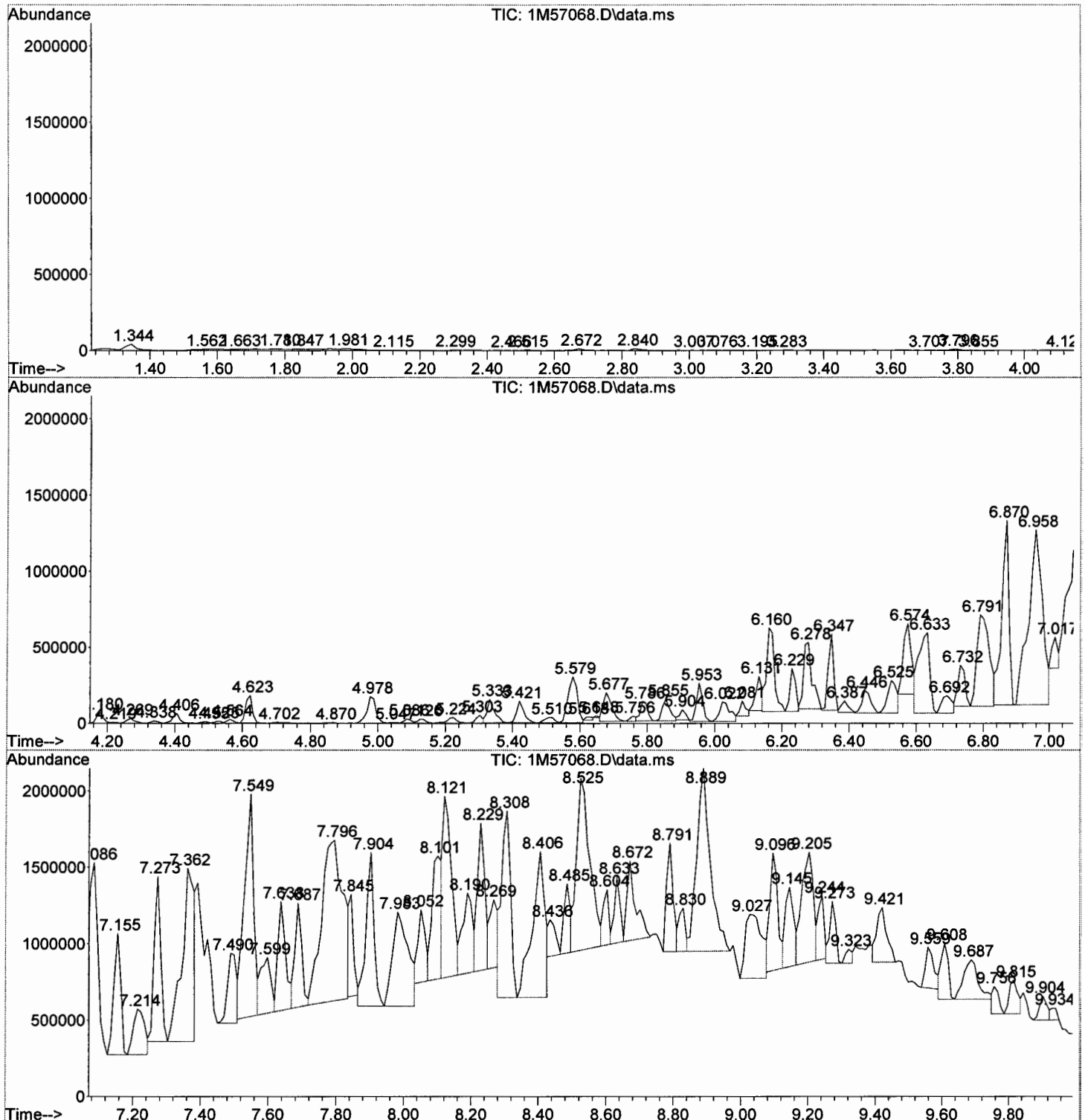
Title : @GCMS_1,ug,624,8260

Sum of corrected areas: 75725204

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-07-10\
Data File : 1M57068.D
Acq On : 7 May 2010 13:35
Operator : SG
Sample : AC51387-004
Misc : S,5G!8
ALS Vial : 23 Sample Multiplier: 1

Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0430.M
Quant Title : @GCMS_1,ug,624,8260

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-07-10\
 Data File : 1M57068.D
 Acq On : 7 May 2010 13:35
 Operator : SG
 Sample : AC51387-004
 Misc : S,5G!8
 ALS Vial : 23 Sample Multiplier: 1

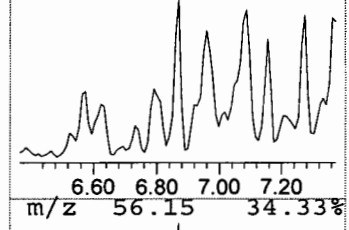
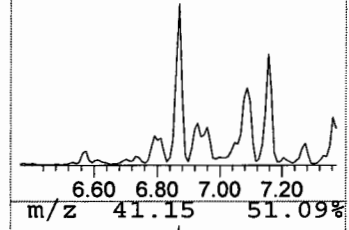
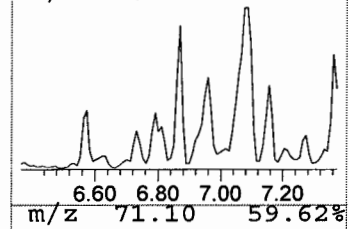
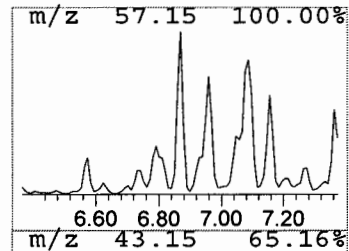
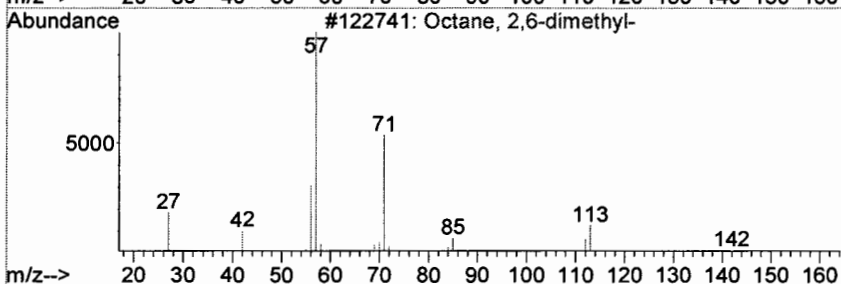
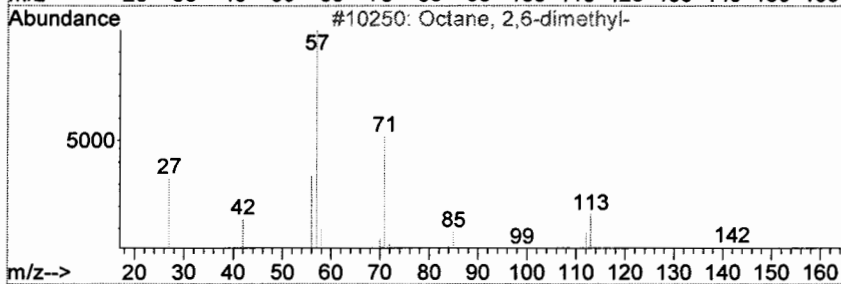
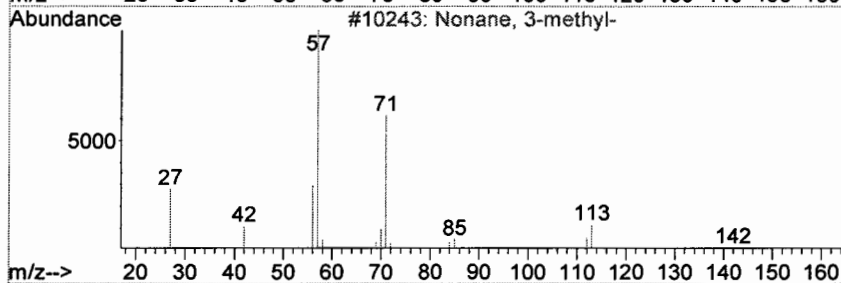
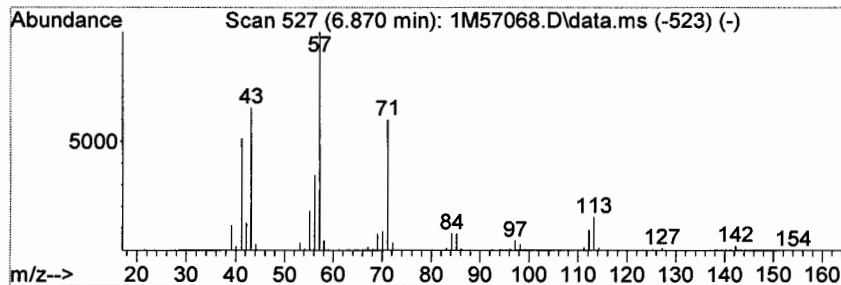
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 Quant Title : @GCMS_1,ug,624,8260

TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 1 Nonane, 3-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.87	219.17 ug/l	1842503	LibIS-Fluorobenzene	4.62

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Nonane, 3-methyl-	142	C10H22	005911-04-6	94
2			Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	91
3			Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	91
4			Nonane, 3-methyl-	142	C10H22	005911-04-6	87
5			Nonane, 3-methyl-	142	C10H22	005911-04-6	72



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-07-10\
 Data File : 1M57068.D
 Acq On : 7 May 2010 13:35
 Operator : SG
 Sample : AC51387-004
 Misc : S,5G!8
 ALS Vial : 23 Sample Multiplier: 1

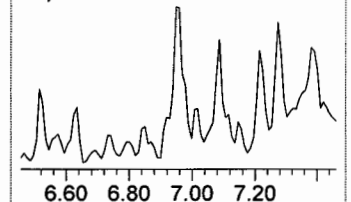
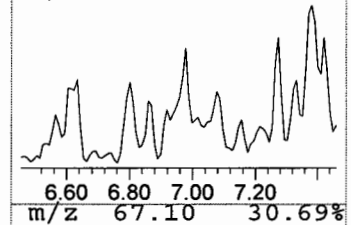
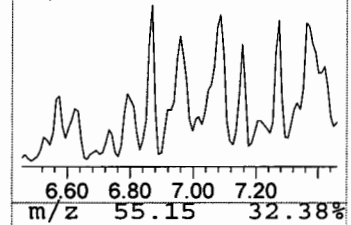
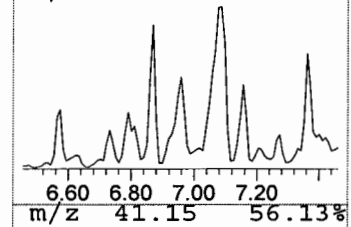
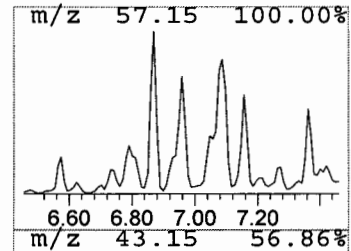
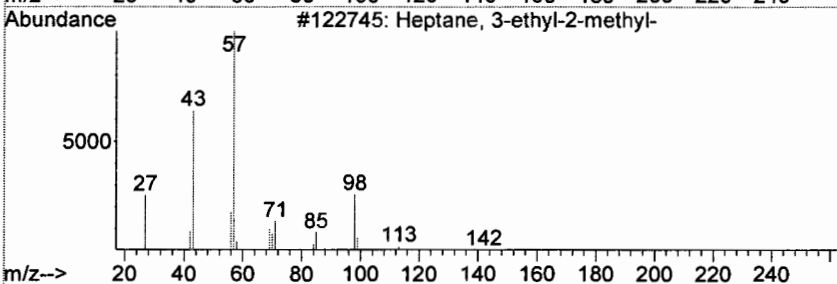
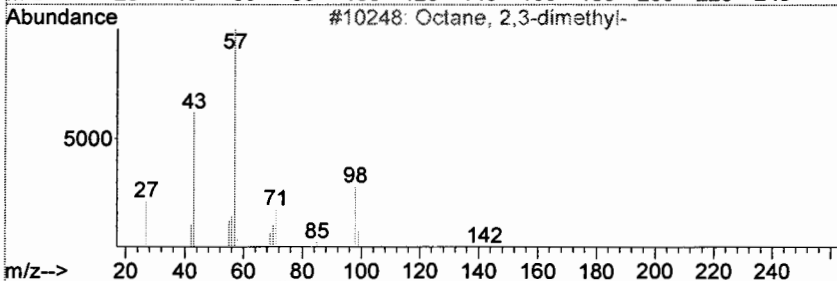
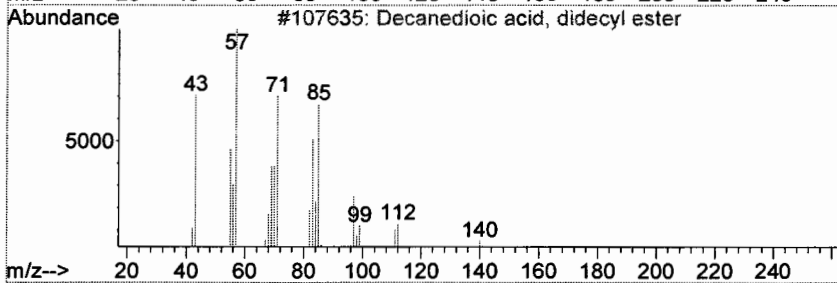
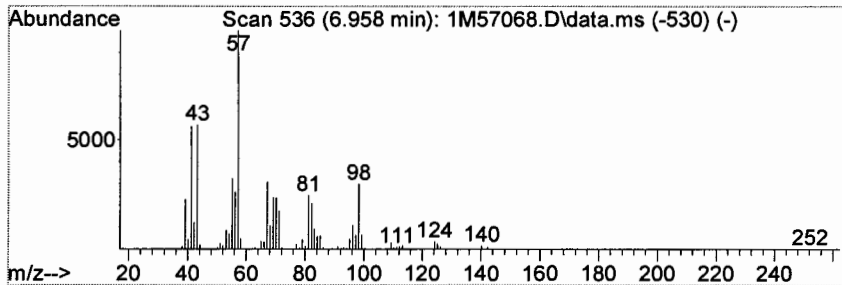
Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0430.M
 Quant Title : @GCMS_1,ug,624,8260

TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 2 unknown Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.96	409.58 ug/l	3443239	LibIS-Fluorobenzene	4.62

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Decanedioic acid, didecyl ester	482	C30H58O4	002432-89-5	25
2			Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	30
3			Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	27
4			Heptane, 4-(1-methylethyl)-	142	C10H22	052896-87-4	27
5			Heptane, 4-propyl-	142	C10H22	003178-29-8	14



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-07-10\
 Data File : 1M57068.D
 Acq On : 7 May 2010 13:35
 Operator : SG
 Sample : AC51387-004
 Misc : S,5G!8
 ALS Vial : 23 Sample Multiplier: 1

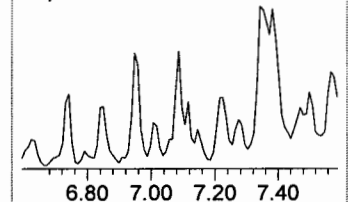
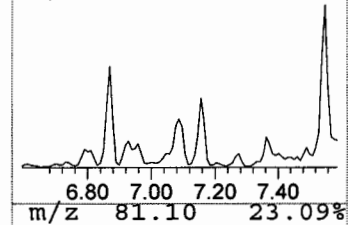
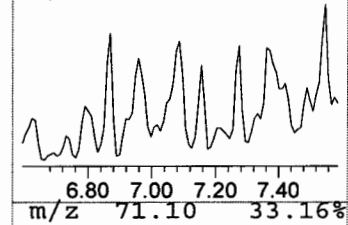
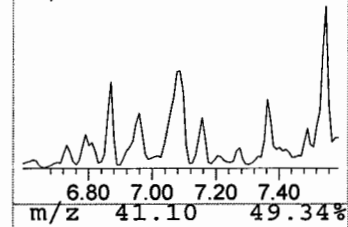
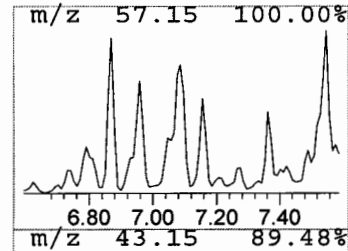
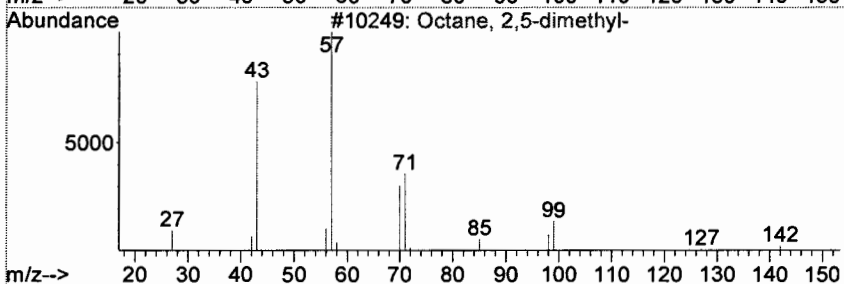
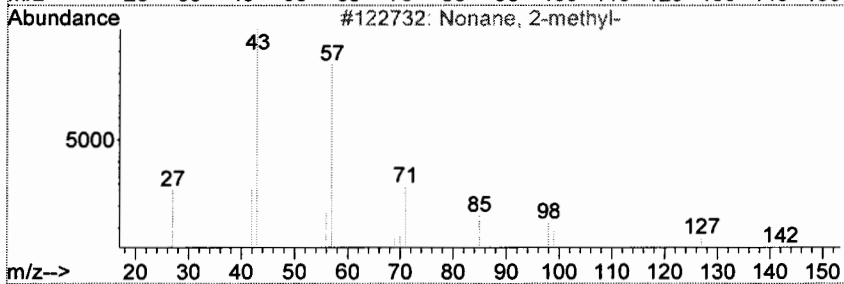
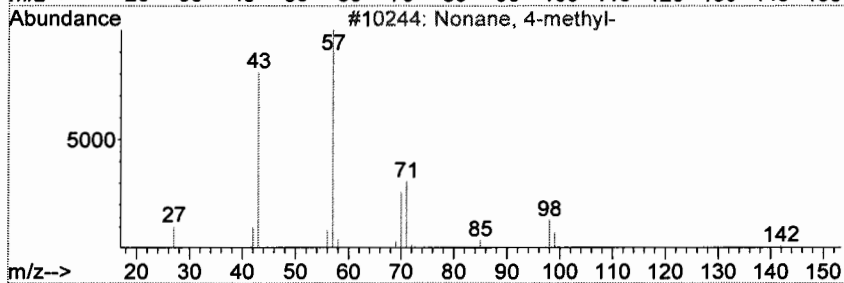
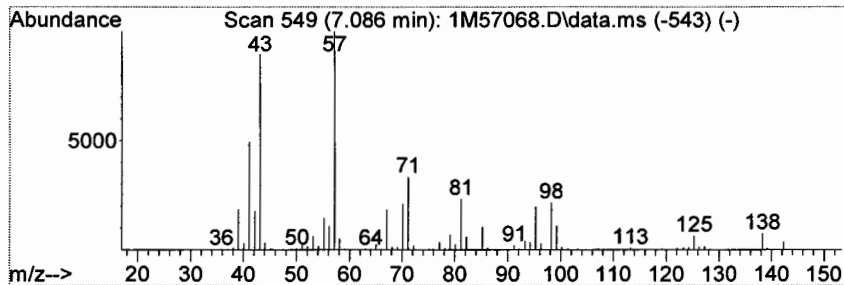
Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0430.M
 Quant Title : @GCMS_1,ug,624,8260

TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 3 Octane, 2,5-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.09	394.45 ug/l	3316043	LibIS-Fluorobenzene	4.62

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Nonane, 4-methyl-	142	C10H22	017301-94-9	38
2			Nonane, 2-methyl-	142	C10H22	000871-83-0	12
3			Octane, 2,5-dimethyl-	142	C10H22	015869-89-3	53
4			Octane, 2,5-dimethyl-	142	C10H22	015869-89-3	38
5			Heptane, 3-ethyl-	128	C9H20	015869-80-4	38



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-07-10\
 Data File : 1M57068.D
 Acq On : 7 May 2010 13:35
 Operator : SG
 Sample : AC51387-004
 Misc : S,5G18
 ALS Vial : 23 Sample Multiplier: 1

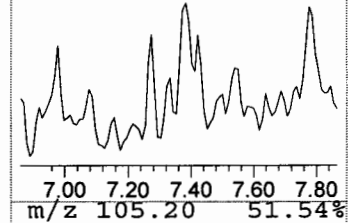
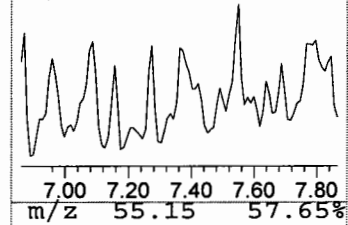
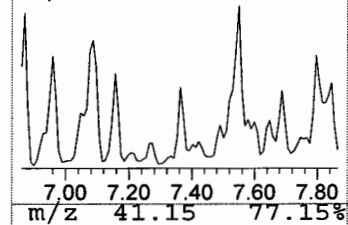
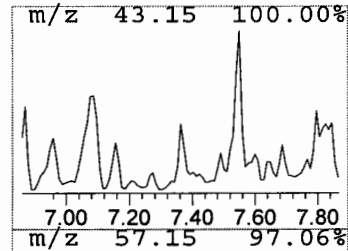
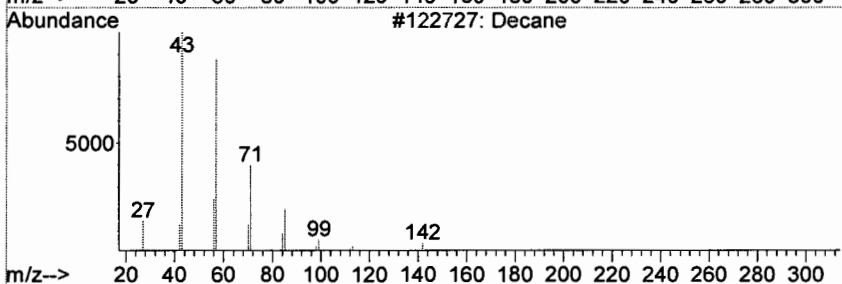
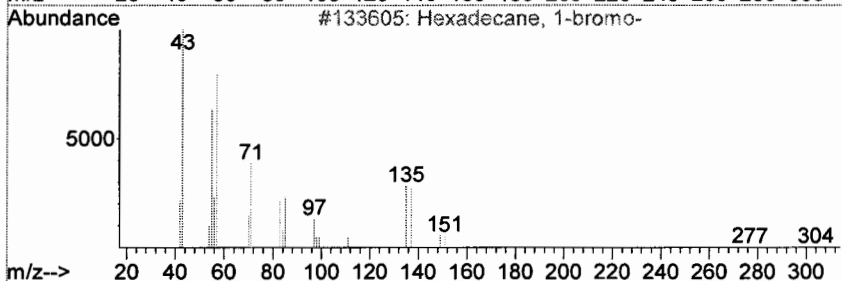
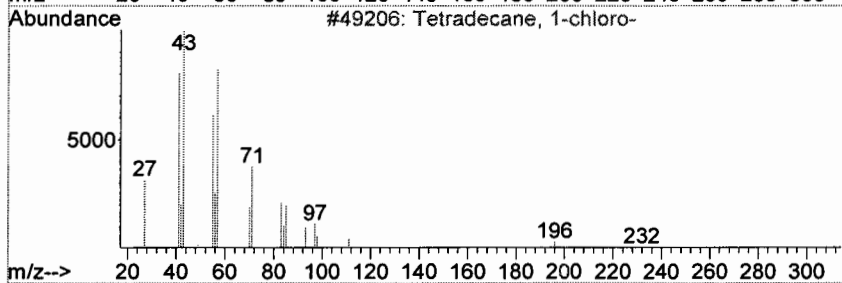
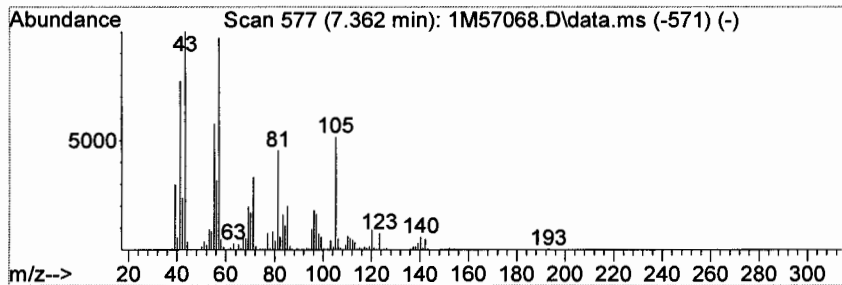
Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0430.M
 Quant Title : @GCMS_1,ug,624,8260

TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 4 Tetradecane, 1-chloro- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.36	344.43 ug/l	2895532	LibIS-Fluorobenzene	4.62

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tetradecane, 1-chloro-	232	C14H29Cl	002425-54-9	52
2			Hexadecane, 1-bromo-	304	C16H33Br	000112-82-3	52
3			Decane	142	C10H22	000124-18-5	52
4			Decane	142	C10H22	000124-18-5	49
5			Nonane	128	C9H20	000111-84-2	47



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-07-10\
 Data File : 1M57068.D
 Acq On : 7 May 2010 13:35
 Operator : SG
 Sample : AC51387-004
 Misc : S,5G!8
 ALS Vial : 23 Sample Multiplier: 1

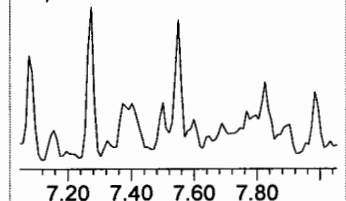
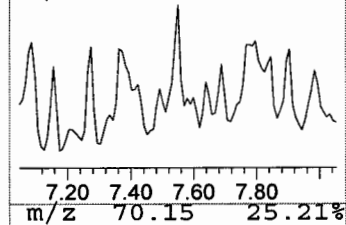
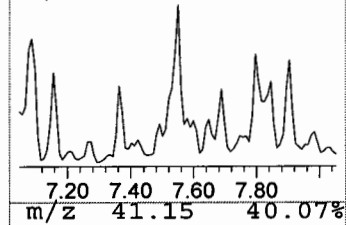
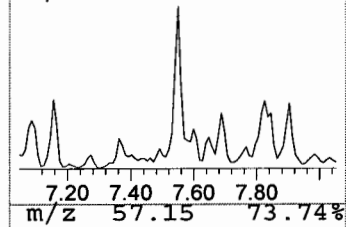
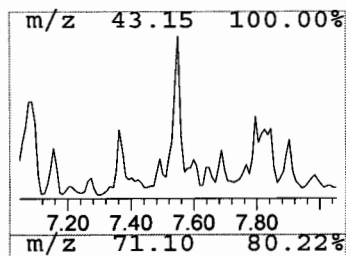
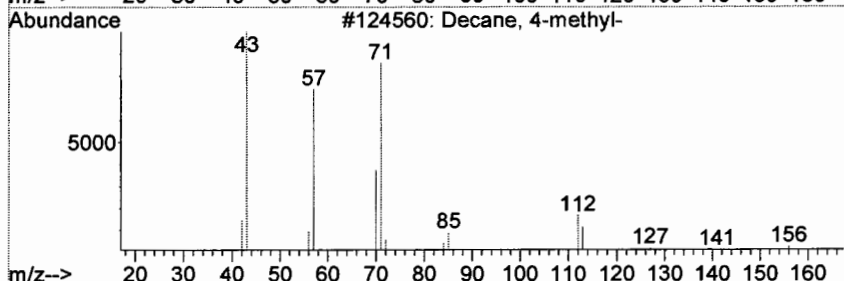
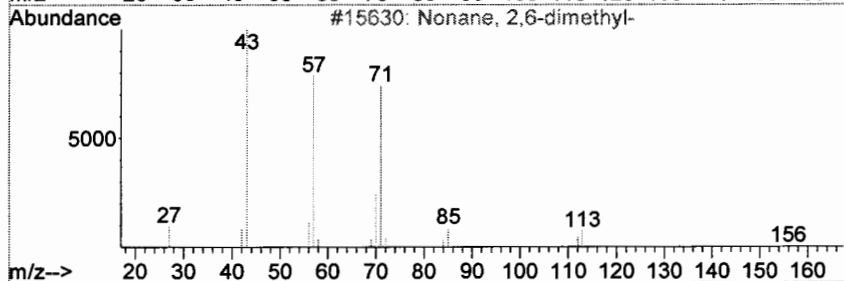
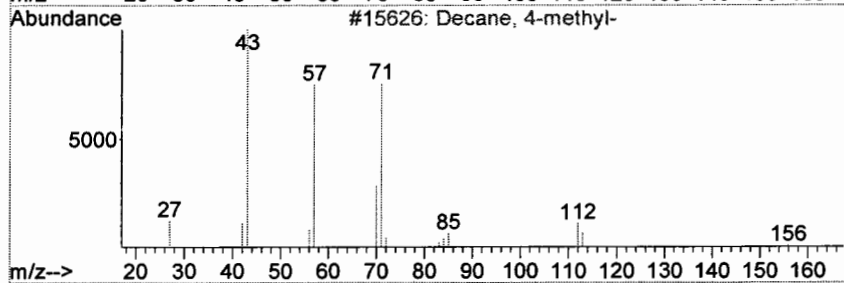
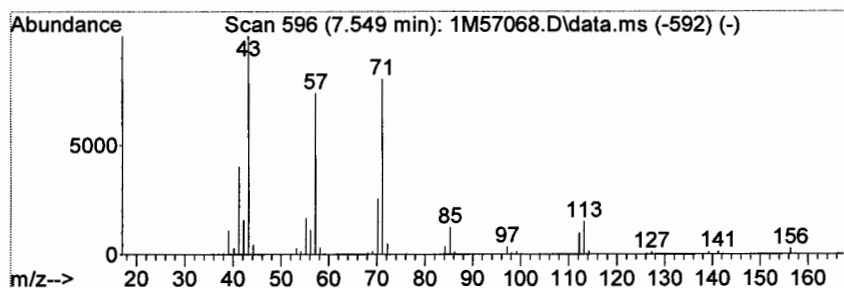
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TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 5 Decane, 4-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.55	331.22 ug/l	2784479	LibIS-Fluorobenzene	4.62

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Decane, 4-methyl-	156	C11H24	002847-72-5	78
2		Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	78
3		Decane, 4-methyl-	156	C11H24	002847-72-5	53
4		Octane, 3,3-dimethyl-	142	C10H22	004110-44-5	59
5		Heptane, 5-ethyl-2-methyl-	142	C10H22	013475-78-0	50



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-07-10\
 Data File : 1M57068.D
 Acq On : 7 May 2010 13:35
 Operator : SG
 Sample : AC51387-004
 Misc : S,5G18
 ALS Vial : 23 Sample Multiplier: 1

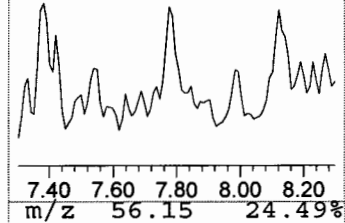
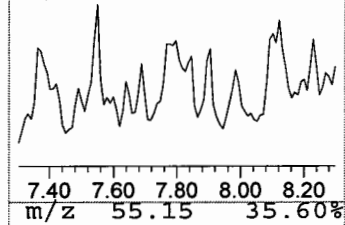
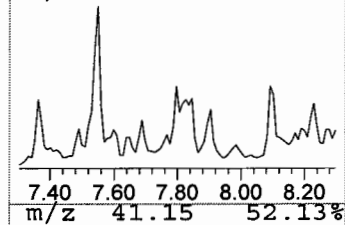
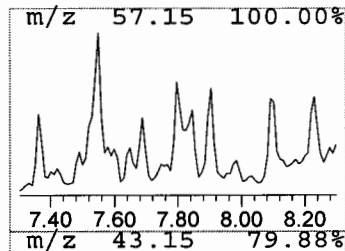
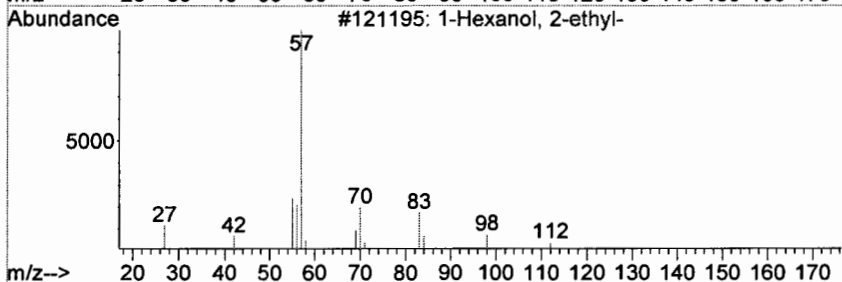
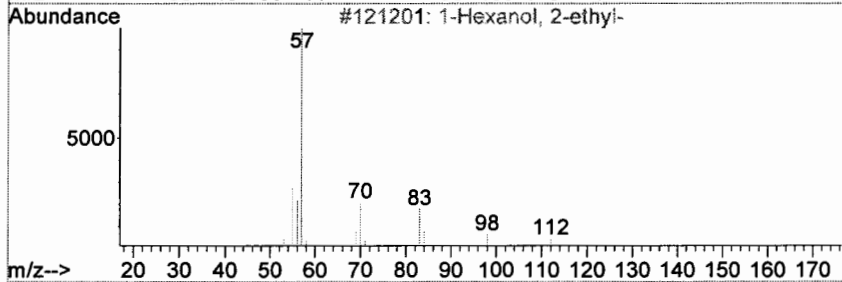
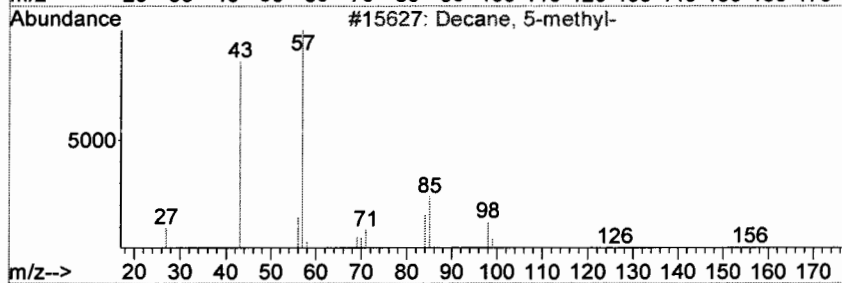
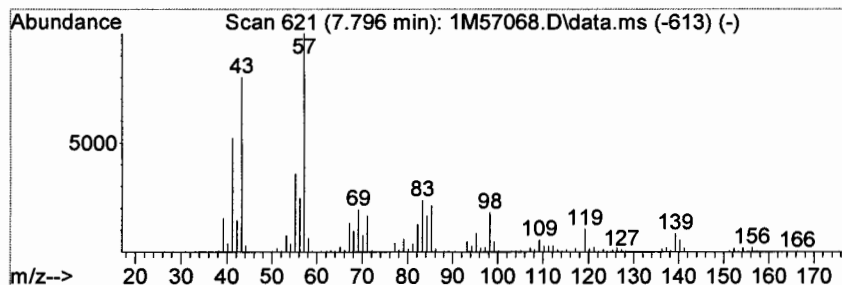
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TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 6 unknown Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.80	563.21 ug/l	4734724	LibIS-Fluorobenzene	4.62

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Decane, 5-methyl-	156	C11H24	013151-35-4	43
2		1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	38
3		1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	25
4		Decane, 5-methyl-	156	C11H24	013151-35-4	43
5		Nonane, 2,5-dimethyl-	156	C11H24	017302-27-1	35



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-07-10\
 Data File : 1M57068.D
 Acq On : 7 May 2010 13:35
 Operator : SG
 Sample : AC51387-004
 Misc : S,5G!8
 ALS Vial : 23 Sample Multiplier: 1

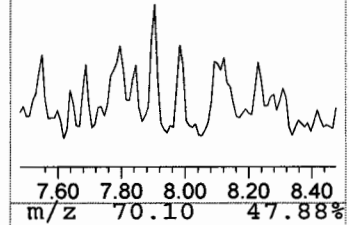
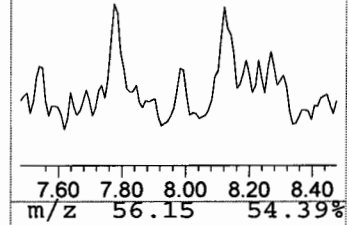
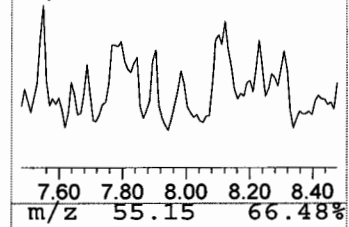
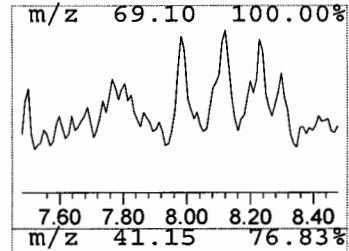
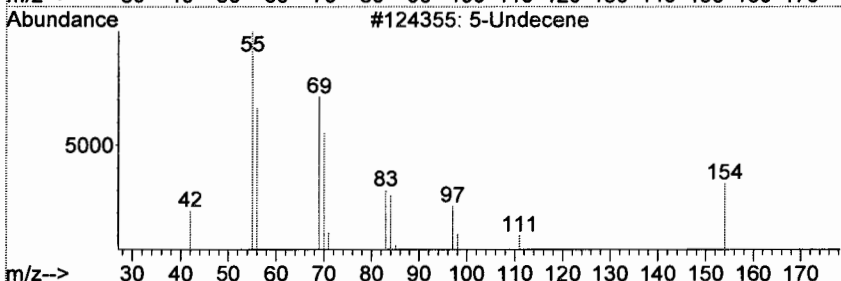
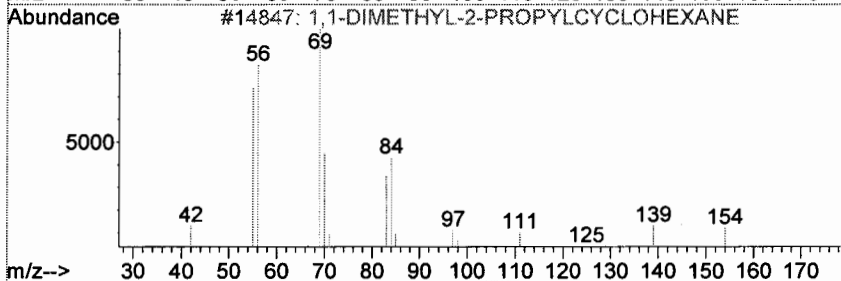
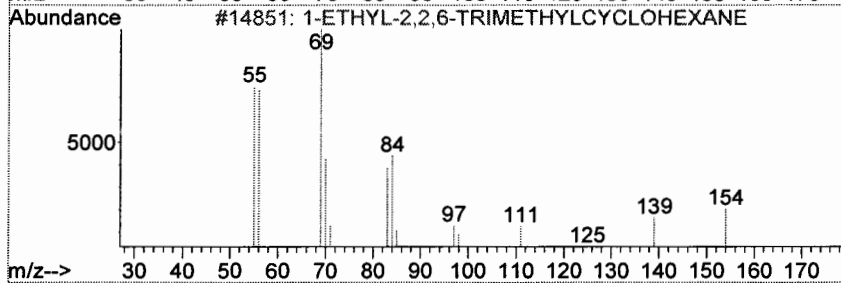
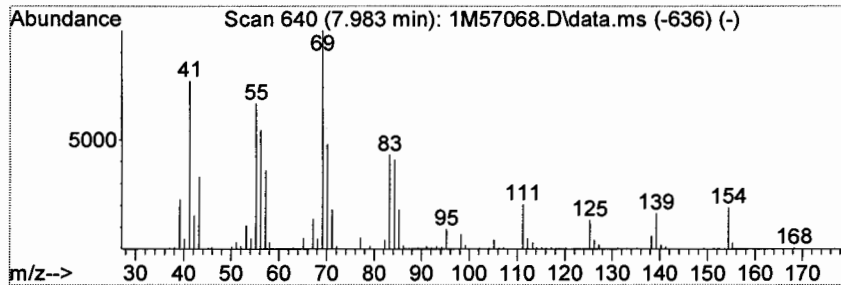
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 Quant Title : @GCMS_1,ug,624,8260

TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 7 unknown Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.98	242.11 ug/l	2035346	LibIS-Fluorobenzene	4.62

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-ETHYL-2,2,6-TRIMETHYLCYCLOHEXANE	154	C11H22	000000-00-0	68
2		1,1-DIMETHYL-2-PROPYLCYCLOHEXANE	154	C11H22	081983-71-3	38
3		5-Undecene	154	C11H22	004941-53-1	25
4		4-Dodecene	168	C12H24	002030-84-4	27
5		1-Dodecene	168	C12H24	000112-41-4	27



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-07-10\
 Data File : 1M57068.D
 Acq On : 7 May 2010 13:35
 Operator : SG
 Sample : AC51387-004
 Misc : S,5G!8
 ALS Vial : 23 Sample Multiplier: 1

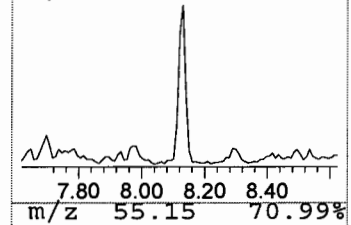
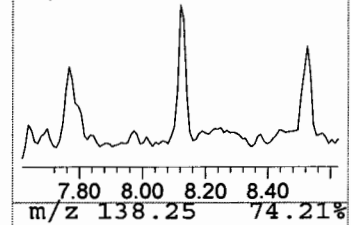
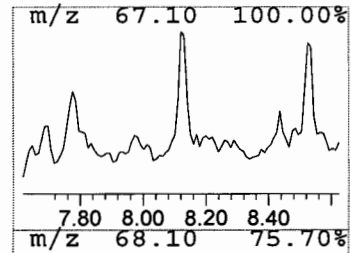
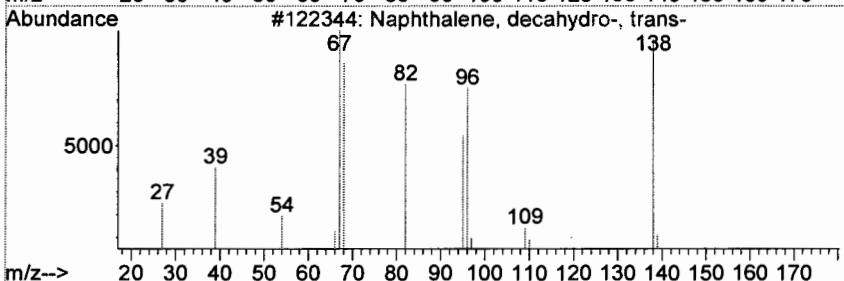
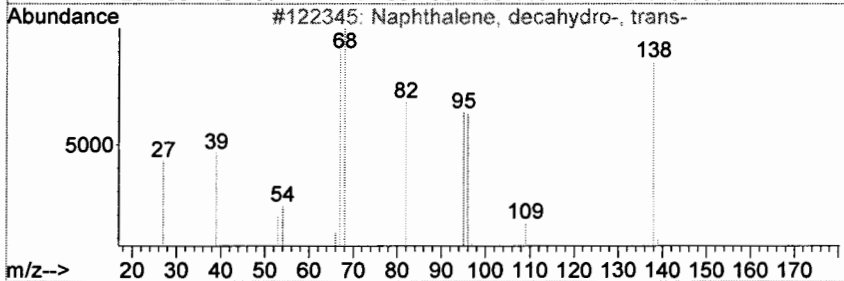
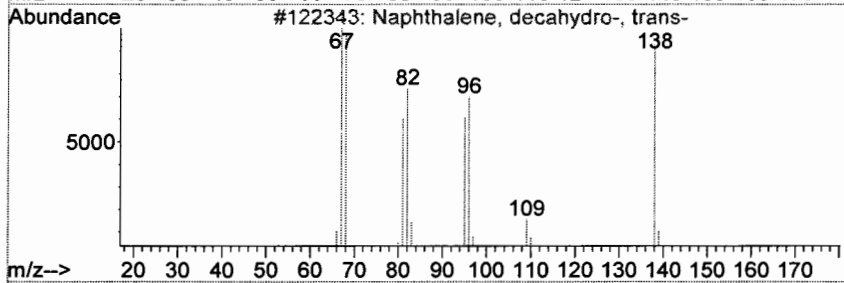
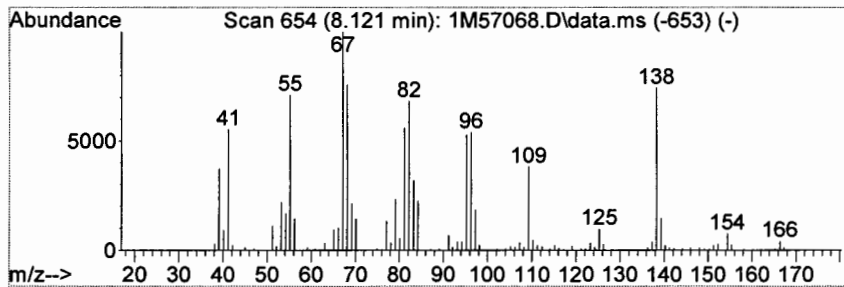
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TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 8 Naphthalene, decahydro-, tr... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.12	252.36 ug/l	2121526	LibIS-Fluorobenzene	4.62

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	76
2			Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	76
3			Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	76
4			Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	70
5			Naphthalene, decahydro-	138	C10H18	000091-17-8	72



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-07-10\
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 Operator : SG
 Sample : AC51387-004
 Misc : S,5G!8
 ALS Vial : 23 Sample Multiplier: 1

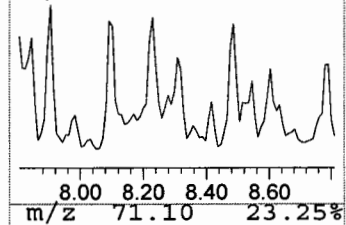
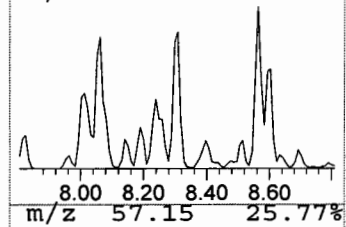
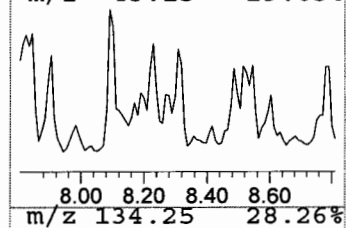
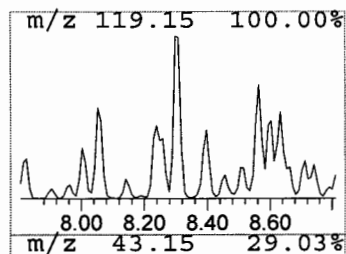
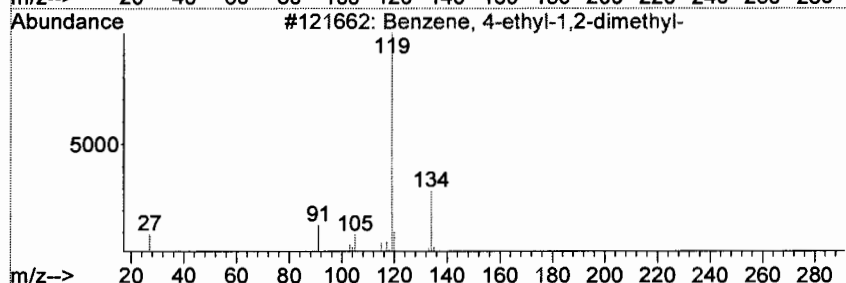
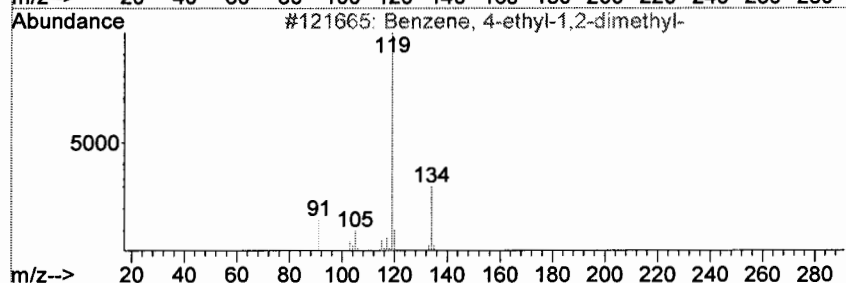
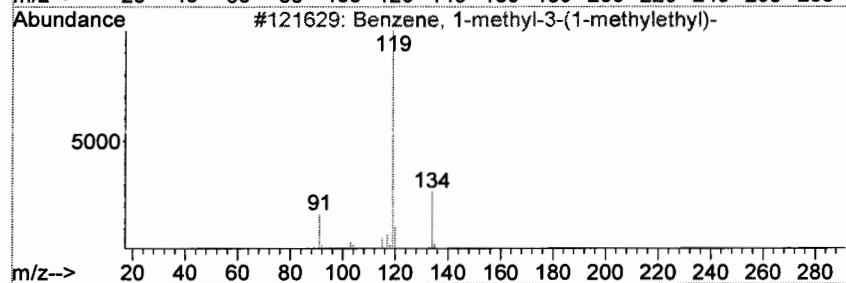
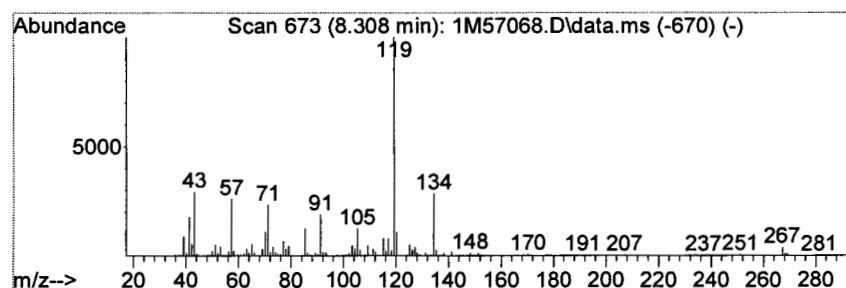
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 Quant Title : @GCMS_1,ug,624,8260

TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 9 Benzene, 1-methyl-3-(1-meth... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.31	270.52 ug/l	2274215	LibIS-Fluorobenzene	4.62

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	70
2			Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	92
3			Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	70
4			Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	70
5			Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	70



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-07-10\
 Data File : 1M57068.D
 Acq On : 7 May 2010 13:35
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 Sample : AC51387-004
 Misc : S,5G!8
 ALS Vial : 23 Sample Multiplier: 1

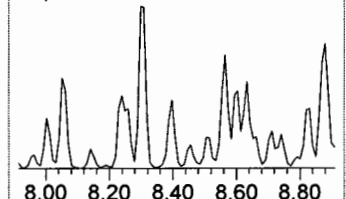
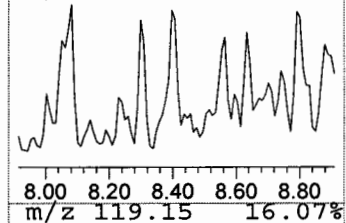
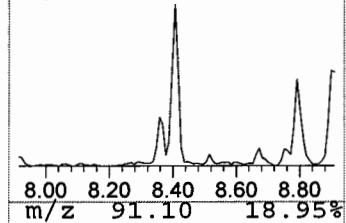
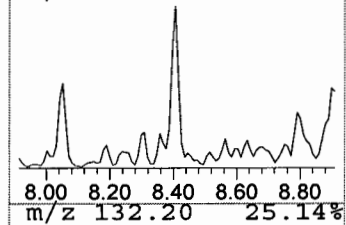
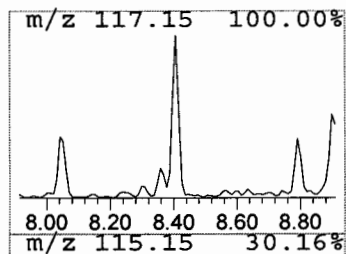
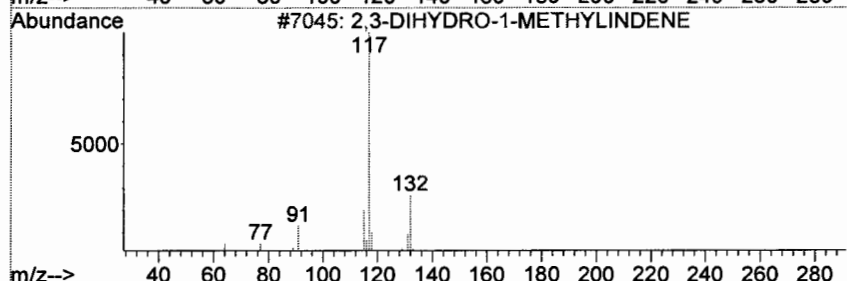
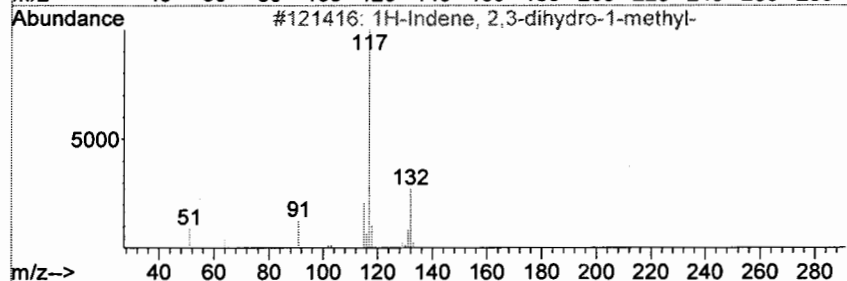
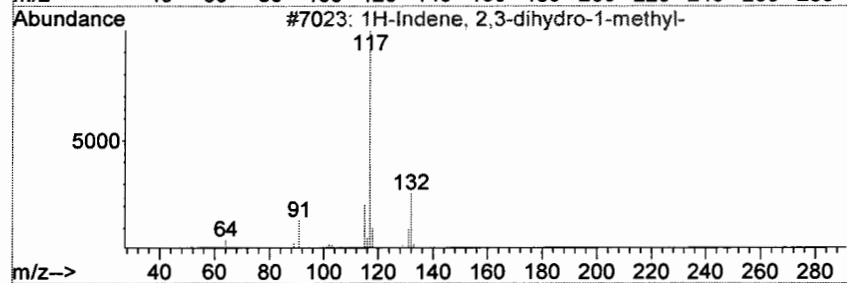
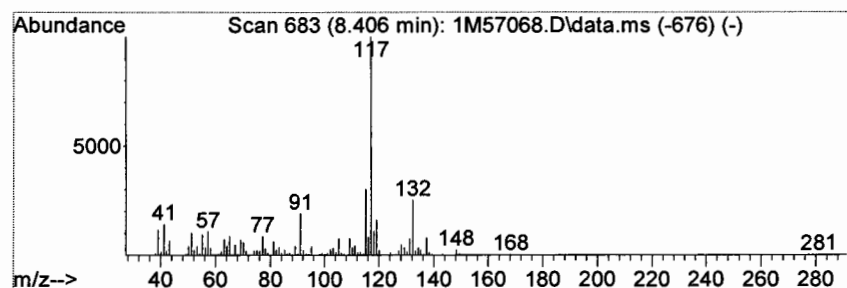
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 Quant Title : @GCMS_1,ug,624,8260

TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 10 1H-Indene, 2,3-dihydro-1-me... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.41	296.96 ug/l	2496441	LibIS-Fluorobenzene	4.62

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1H-Indene, 2,3-dihydro-1-methyl-	132	C10H12	000767-58-8	76
2			1H-Indene, 2,3-dihydro-1-methyl-	132	C10H12	000767-58-8	76
3			2,3-DIHYDRO-1-METHYLINDENE	132	C10H12	027133-93-3	46
4			1R-METHYL-2T-PHENYLCYCLOPROPANE	132	C10H12	005070-01-9	46
5			Benzene, 1-ethenyl-3-ethyl-, mix...	132	C10H12	055319-72-7	42



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-07-10\
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 Sample : AC51387-004
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 ALS Vial : 23 Sample Multiplier: 1

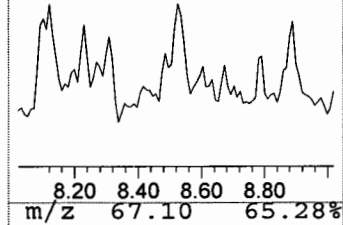
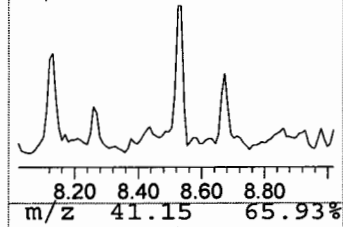
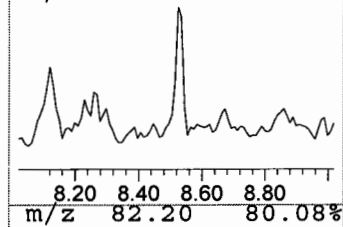
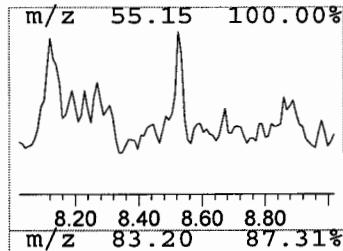
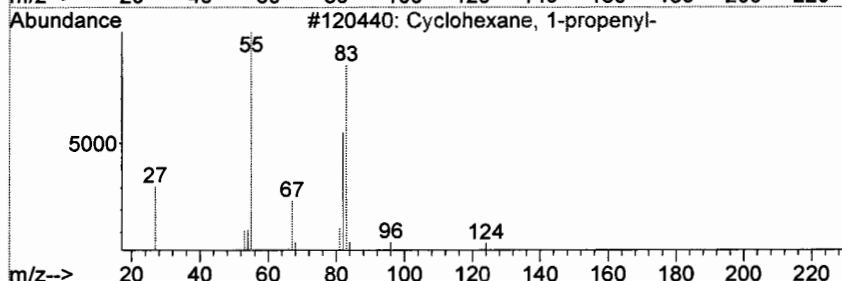
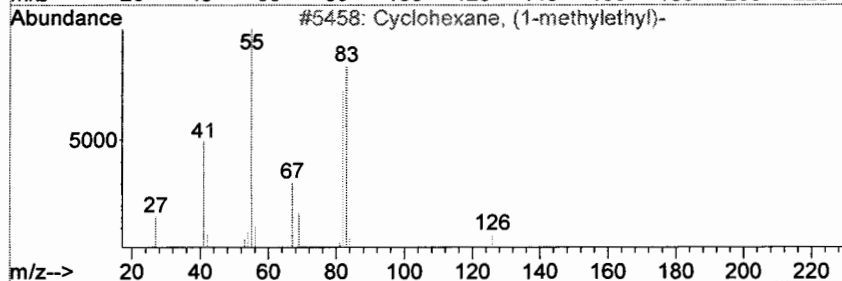
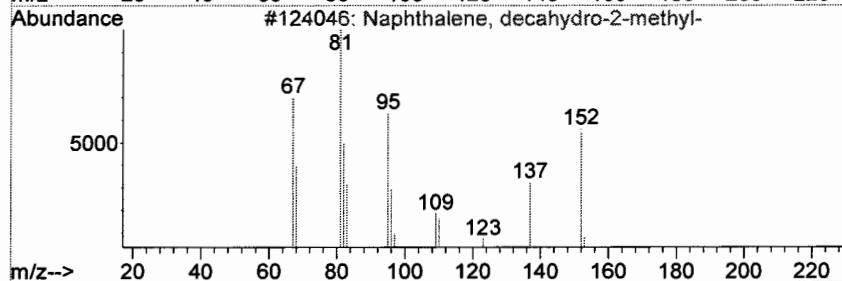
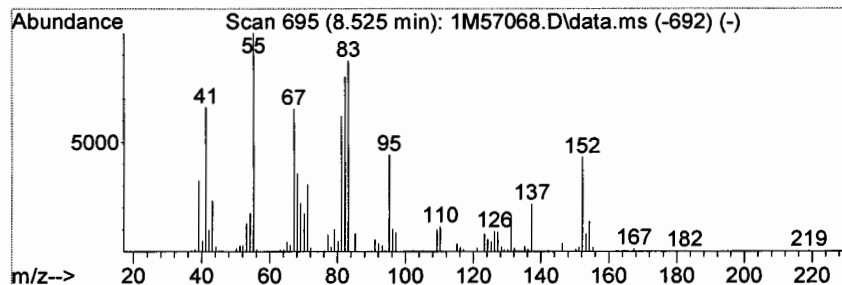
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 Quant Title : @GCMS_1,ug,624,8260

TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 11 unknown Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.52	365.64 ug/l	3073855	LibIS-Fluorobenzene	4.62

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	46
2			Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	46
3			Cyclohexane, 1-propenyl-	124	C9H16	005364-83-0	43
4			Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	45
5			2-METHYLDECALIN (PROBABLY TRANS)	152	C11H20	002958-76-1	45



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-07-10\
 Data File : 1M57068.D
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 Operator : SG
 Sample : AC51387-004
 Misc : S,5G!8
 ALS Vial : 23 Sample Multiplier: 1

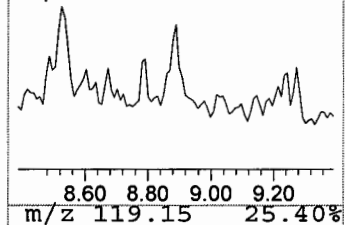
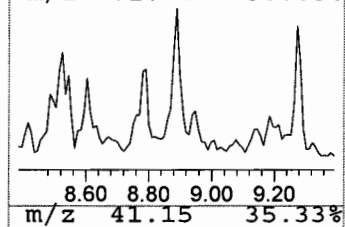
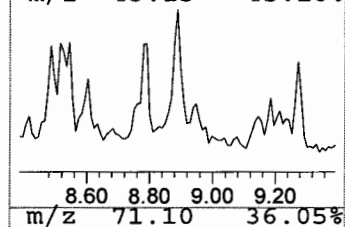
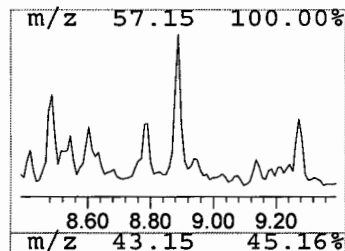
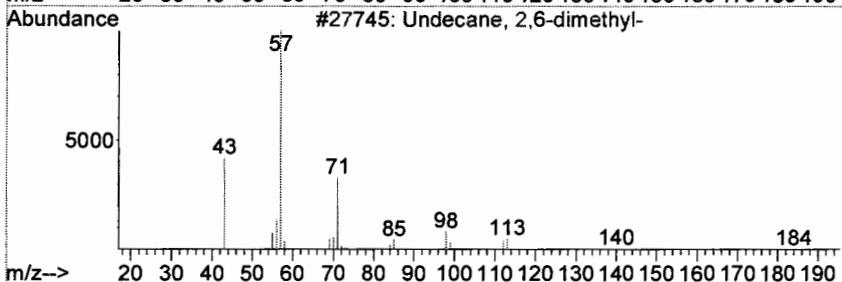
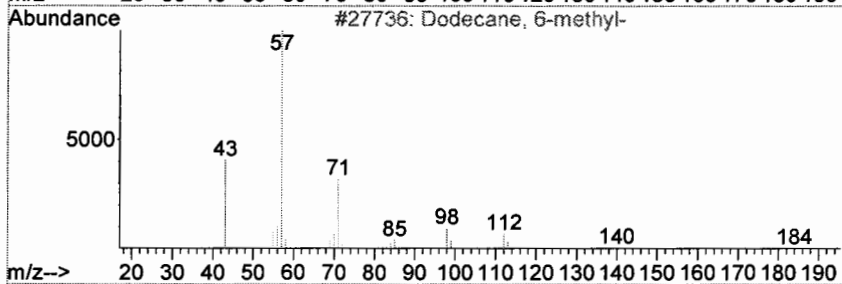
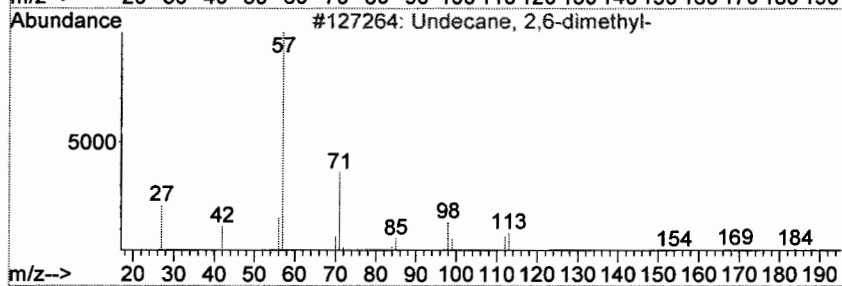
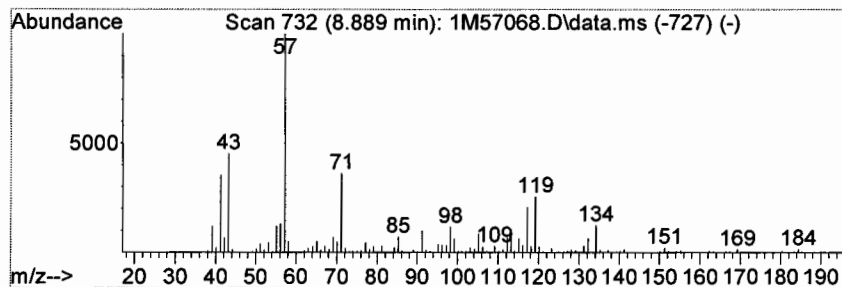
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 Quant Title : @GCMS_1,ug,624,8260

TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 12 Undecane, 2,5-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.89	395.16 ug/l	3322017	LibIS-Fluorobenzene	4.62

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	27
2			Dodecane, 6-methyl-	184	C13H28	006044-71-9	38
3			Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	43
4			Undecane, 2,5-dimethyl-	184	C13H28	017301-22-3	60
5			Octane, 2,5-dimethyl-	142	C10H22	015869-89-3	16



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-07-10\
 Data File : 1M57068.D
 Acq On : 7 May 2010 13:35
 Operator : SG
 Sample : AC51387-004
 Misc : S,5G!8
 ALS Vial : 23 Sample Multiplier: 1

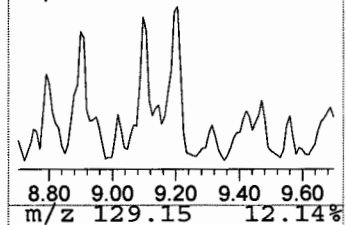
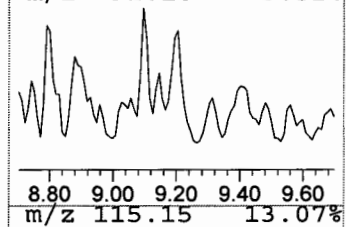
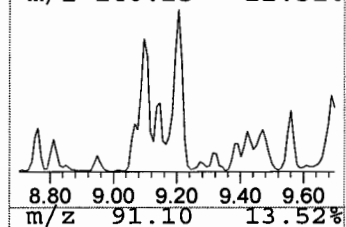
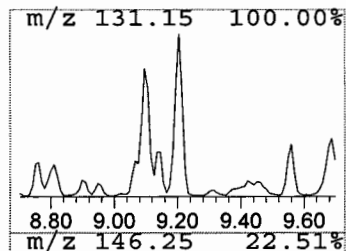
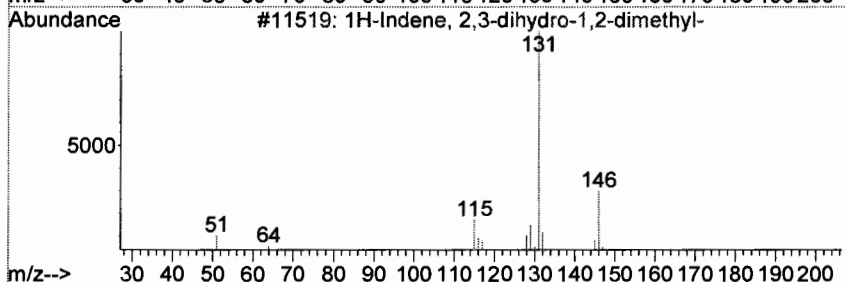
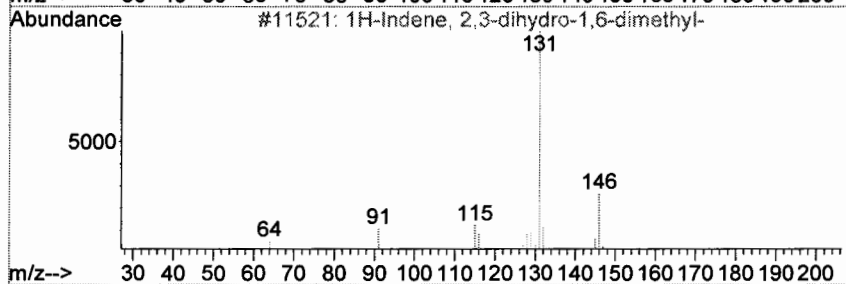
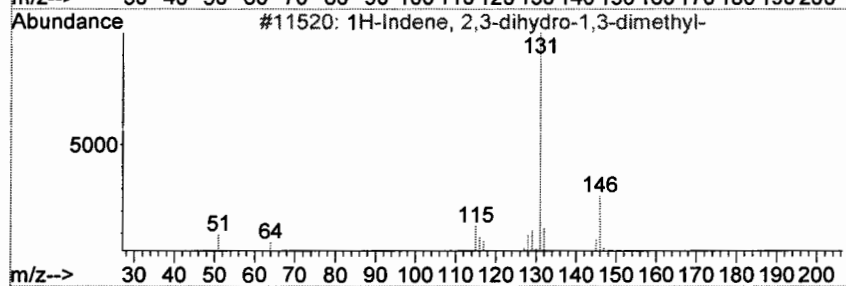
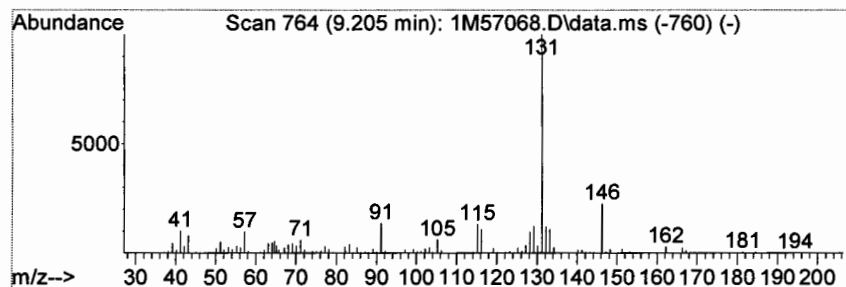
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 Quant Title : @GCMS_1,ug,624,8260

TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 13 1H-Indene, 2,3-dihydro-1,3-... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.20	208.84 ug/l	1755667	LibIS-Fluorobenzene	4.62

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	91
2			1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	90
3			1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	87
4			Naphthalene, 1,2,3,4-tetrahydro...	146	C11H14	001559-81-5	47
5			Naphthalene, 1,2,3,4-tetrahydro...	146	C11H14	001559-81-5	50



Tentatively Identified Compound (LSC) summary

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-07-10\
 Data File : 1M57068.D
 Acq On : 7 May 2010 13:35
 Operator : SG
 Sample : AC51387-004
 Misc : S,5G!8
 ALS Vial : 23 Sample Multiplier: 1

Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0430.M
 Quant Title : @GCMS_1,ug,624,8260

TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	-----Internal Standard-----				
					#	ExpRT	ActRt	Resp	Conc
Nonane, 3-methyl-	6.87	219.2	ug/l	1842503	1	4.62	4.62	252202	30.0
unknown	6.96	409.6	ug/l	3443239	1	4.62	4.62	252202	30.0
Octane, 2,5-dimet...	7.09	394.5	ug/l	3316043	1	4.62	4.62	252202	30.0
Tetradecane, 1-ch...	7.36	344.4	ug/l	2895532	1	4.62	4.62	252202	30.0
Decane, 4-methyl-	7.55	331.2	ug/l	2784479	1	4.62	4.62	252202	30.0
unknown	7.80	563.2	ug/l	4734724	1	4.62	4.62	252202	30.0
unknown	7.98	242.1	ug/l	2035346	1	4.62	4.62	252202	30.0
Naphthalene, deca...	8.12	252.4	ug/l	2121526	1	4.62	4.62	252202	30.0
Benzene, 1-methyl...	8.31	270.5	ug/l	2274215	1	4.62	4.62	252202	30.0
1H-Indene, 2,3-di...	8.41	297.0	ug/l	2496441	1	4.62	4.62	252202	30.0
unknown	8.52	365.6	ug/l	3073855	1	4.62	4.62	252202	30.0
Undecane, 2,5-dim...	8.89	395.2	ug/l	3322017	1	4.62	4.62	252202	30.0
1H-Indene, 2,3-di...	9.20	208.8	ug/l	1755667	1	4.62	4.62	252202	30.0

Form1
ORGANICS VOLATILE REPORT

Sample Number: AC51387-004
Client Id: PI-01-TP-RAT1043010SS0
Data File: 1M57060.D
Analysis Date: 05/07/10 11:24
Date Rec/Extracted: 05/03/10-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Soil
Initial Vol: 5.19g
Final Vol: NA
Dilution: 0.963
Solids: 84

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.0057	U	56-23-5	Carbon Tetrachloride	0.0057	U
79-34-5	1,1,2,2-Tetrachloroethane	0.0057	U	108-90-7	Chlorobenzene	0.0057	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0057	U	75-00-3	Chloroethane	0.0057	U
79-00-5	1,1,2-Trichloroethane	0.0057	U	67-66-3	Chloroform	0.0057	U
75-34-3	1,1-Dichloroethane	0.0057	U	74-87-3	Chloromethane	0.0057	U
75-35-4	1,1-Dichloroethene	0.0057	U	156-59-2	cis-1,2-Dichloroethene	0.0057	U
96-18-4	1,2,3-Trichloropropane	0.0057	U	10061-01-5	cis-1,3-Dichloropropene	0.0057	U
95-63-6	1,2,4-Trimethylbenzene	0.0011	0.057	124-48-1	Dibromochloromethane	0.0057	U
95-50-1	1,2-Dichlorobenzene	0.0057	U	75-71-8	Dichlorodifluoromethane	0.0057	U
107-06-2	1,2-Dichloroethane	0.0057	U	100-41-4	Ethylbenzene	0.0011	0.0038
78-87-5	1,2-Dichloropropane	0.0057	U	98-82-8	Isopropylbenzene	0.0011	0.012
108-67-8	1,3,5-Trimethylbenzene	0.0011	0.022	136777612	m&p-Xylenes	0.0011	0.013
541-73-1	1,3-Dichlorobenzene	0.0057	U	75-09-2	Methylene Chloride	0.0057	U
142-28-9	1,3-Dichloropropane	0.0057	U	1634-04-4	Methyl-t-butyl ether	0.0011	U
106-46-7	1,4-Dichlorobenzene	0.0057	U	104-51-8	n-Butylbenzene	0.0011	0.0094
123-91-1	1,4-Dioxane	0.29	U	103-65-1	n-Propylbenzene	0.0011	0.012
78-93-3	2-Butanone	0.0057	U	95-47-6	o-Xylene	0.0011	0.016
110-75-8	2-Chloroethylvinylether	0.0057	U	135-98-8	sec-Butylbenzene	0.0011	0.0085
591-78-6	2-Hexanone	0.0057	U	100-42-5	Styrene	0.0057	U
99-87-6	4-Isopropyltoluene	0.0011	0.014	75-65-0	t-Butyl Alcohol	0.029	U
108-10-1	4-Methyl-2-Pentanone	0.0057	U	98-06-6	t-Butylbenzene	0.0011	U
67-64-1	Acetone	0.029	U	127-18-4	Tetrachloroethene	0.0057	U
107-02-8	Acrolein	0.029	U	108-88-3	Toluene	0.0011	0.0040
107-13-1	Acrylonitrile	0.0057	U	156-60-5	trans-1,2-Dichloroethene	0.0057	U
71-43-2	Benzene	0.0011	U	10061-02-6	trans-1,3-Dichloropropene	0.0057	U
75-27-4	Bromodichloromethane	0.0057	U	79-01-6	Trichloroethene	0.0057	U
75-25-2	Bromoform	0.0057	U	75-69-4	Trichlorofluoromethane	0.0057	U
74-83-9	Bromomethane	0.0057	U	75-01-4	Vinyl Chloride	0.0057	U
75-15-0	Carbon Disulfide	0.0057	U	1330-20-7	Xylenes (Total)	0.0011	0.029

Worksheet #: 151238

Total Target Concentration 0.17

ColumnID: (^) Indicates results from 2nd column

*U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.*

*R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.*

Form1eORGANICS VOLATILE REPORT
Tentatively Identified Compounds

Sample Number: AC51387-004	Matrix: Soil
Client Id: PI-01-TP-RAT1043010	Initial Vol: 5.19g
Data File: 1M57060.D	Final Vol: NA
Analysis Date: 05/07/10 11:24	Dilution: 0.963
Date Rec/Extracted: 05/03/10-NA	Solids: 84
	Method: EPA 8260B

Units: mg/Kg

	Cas #	Compound	RT	Conc
1		unknown	7.79	0.31 J
2		unknown	7.90	0.14 J
3		unknown	7.98	0.14 J
4	91-17-8	Naphthalene, decahydro-	8.12	0.17 J
5	1758-88-9	Benzene, 2-ethyl-1,4-dimethyl-	8.30	0.19 J
6	767-58-8	1H-Indene, 2,3-dihydro-1-methyl-	8.40	0.27 J
7	2958-76-1	Naphthalene, decahydro-2-methyl-	8.53	0.22 J
8	488-23-3	Benzene, 1,2,3,4-tetramethyl-	8.88	0.34 J
9	17057-82-8	1H-Indene, 2,3-dihydro-1,2-dimethyl-	9.10	0.16 J
10	17059-48-2	1H-Indene, 2,3-dihydro-1,6-dimethyl-	9.20	0.22 J

Worksheet #: 151238

Total Tentatively Identified Concentration 2.2*A - Indicates an aldol condensate.**J - Indicates an estimated value.**B - Indicates the analyte was found in the blank as well as in the sample.**Y - Indicates the analyte was found in the blank at <10% of the concentration of the sample.**<10% - Indicates the analyte was found in the blank at < 10% of nearest Internal Standard*

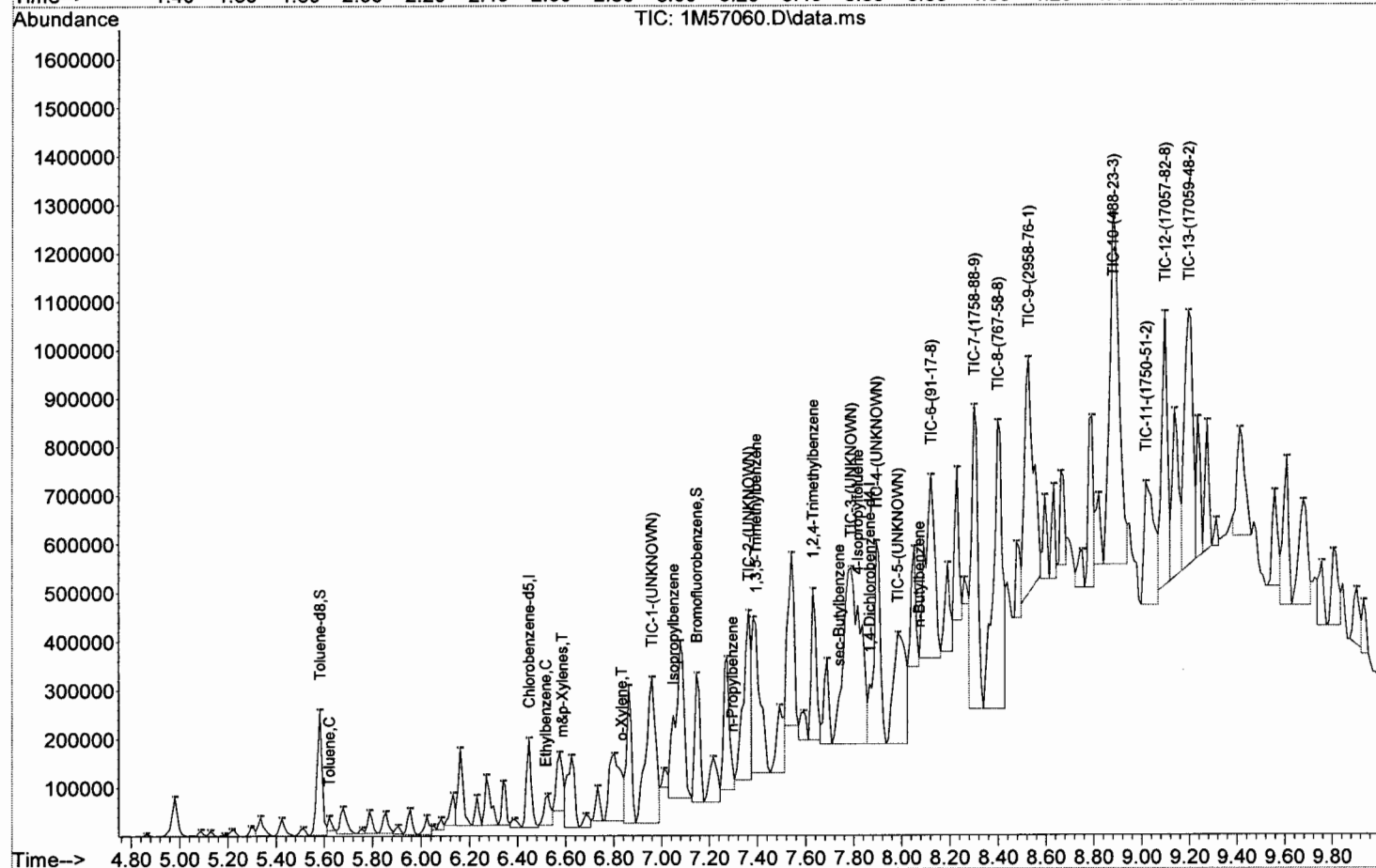
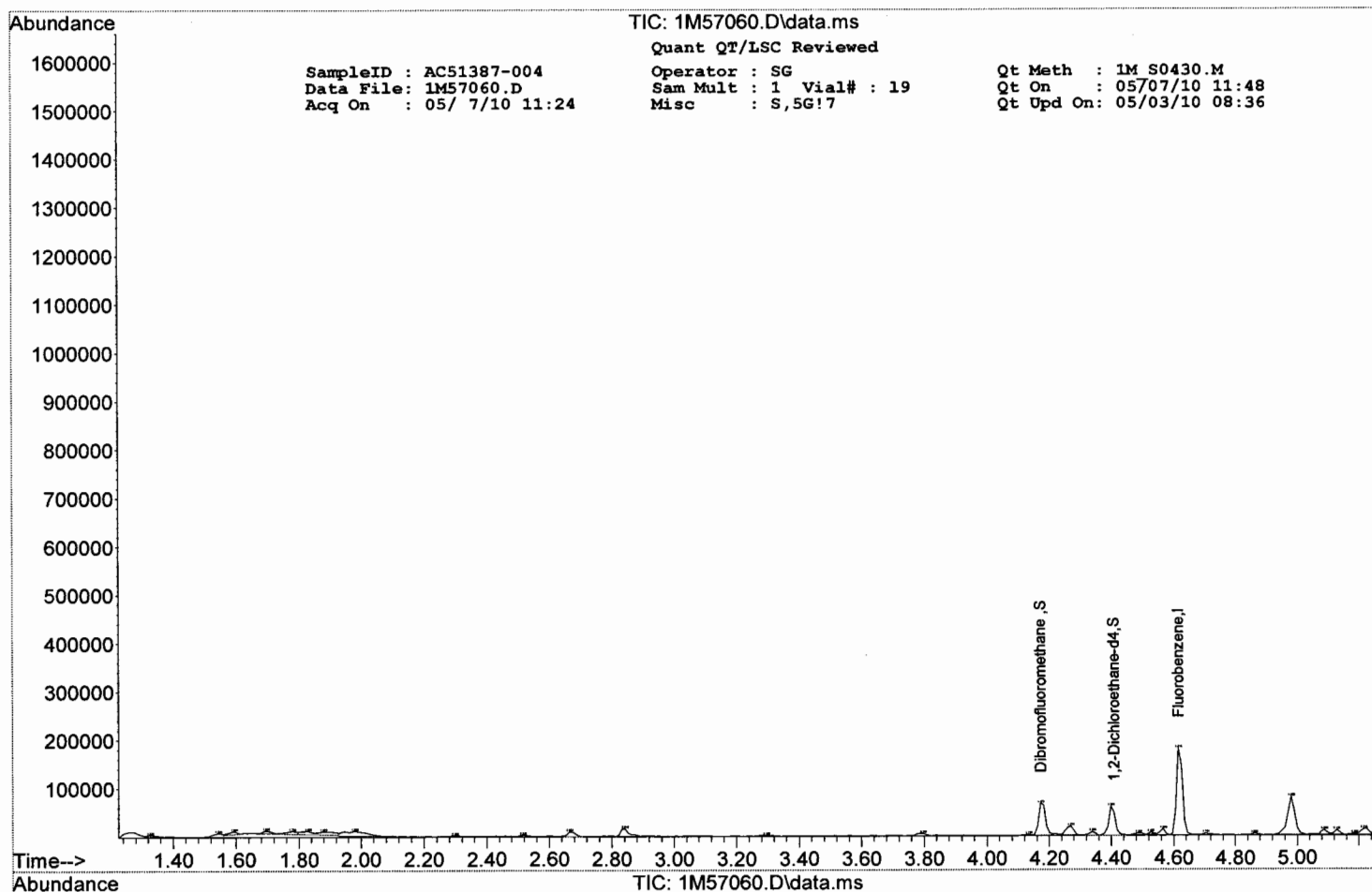
Quantitation Report (QT/LSC Reviewed)

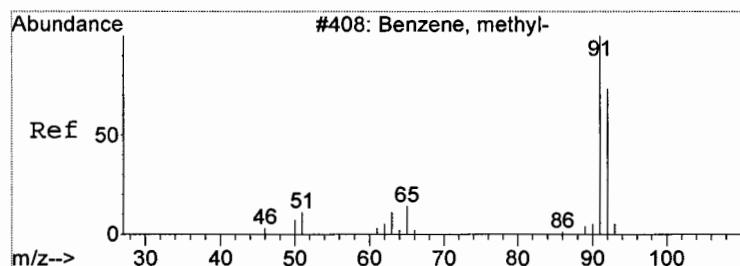
SampleID : AC51387-004 Operator : SG Qt Meth : 1M_S0430.M
 Data File: 1M57060.D Sam Mult : 1 Vial# : 19 Qt On : 05/07/10 11:48
 Acq On : 05/ 7/10 11:24 Misc : S,5G!7 Qt Upd On: 05/03/10 08:36

Data Path : G:\GCMSData\2010\GCMS_1\Data\05-07-10\
 Qt Path : G:\GCMSData\2010\GCMS_1\MethodQt\
 Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.615	96	96438	30.00	ug/l	0.01
48) Chlorobenzene-d5	6.448	117	67728	30.00	ug/l	0.01
63) 1,4-Dichlorobenzene-d4	7.866	152	29515	30.00	ug/l	0.01
System Monitoring Compounds						
33) Dibromofluoromethane	4.172	111	27748	32.97	ug/l	0.01
Spiked Amount 30.000			Recovery =	109.90%		
35) 1,2-Dichloroethane-d4	4.408	102	5304	32.21	ug/l	0.02
Spiked Amount 30.000			Recovery =	107.37%		
59) Toluene-d8	5.581	100	60496	30.44	ug/l	0.01
Spiked Amount 30.000			Recovery =	101.47%		
67) Bromofluorobenzene	7.147	174	33116	37.15	ug/l	0.01
Spiked Amount 30.000			Recovery =	123.83%		
Target Compounds						
60) Toluene	5.620	92	8590	3.45	ug/l	95
65) Ethylbenzene	6.517	106	2617	3.27	ug/l	83
69) m&p-Xylenes	6.586	106	13897	11.31	ug/l	87
70) o-Xylene	6.832	106	16903	14.21	ug/l	94
75) Isopropylbenzene	7.049	105	34133	10.25	ug/l	91
81) n-Propylbenzene	7.295	91	44680	10.55	ug/l	96
83) 1,3,5-Trimethylbenzene	7.394	105	52720	18.76	ug/l	97
85) 1,2,4-Trimethylbenzene	7.630	105	138765	49.37	ug/l	84
86) sec-Butylbenzene	7.738	105	26388	7.37	ug/l	73
87) 4-Isopropyltoluene	7.817	119	33745m	11.81	ug/l	
88) n-Butylbenzene	8.073	91	28972m	8.21	ug/l	
Library Search Internal Standards TIC Results						
1) Fluorobenzene	4.615		244656	30.00	ug/l	--
2) Chlorobenzene-d5	6.448		258617	30.00	ug/l	--
3) 1,4-Dichlorobenzene-d4	7.866		200628m	30.00	ug/l	--
Library Search Compounds						
1) UNKNOWN	6.960		880223	102.11	ug/l	--
2) UNKNOWN	7.360		754252	112.78	ug/l	--
3) UNKNOWN	7.790		1815942	271.54	ug/l	--
4) UNKNOWN	7.900		817249	122.20	ug/l	--
5) UNKNOWN	7.980		816233	122.05	ug/l	--
6) 91-17-8	8.120		1012613	151.42	ug/l	76
7) 1758-88-9	8.300		1084213	162.12	ug/l	93
8) 767-58-8	8.400		1597745	238.91	ug/l	76
9) 2958-76-1	8.530		1272939	190.34	ug/l	86
10) 488-23-3	8.880		1997931	298.75	ug/l	50
11) 1750-51-2	9.020		771905	115.42	ug/l	53
12) 17057-82-8	9.100		934402	139.72	ug/l	53
13) 17059-48-2	9.200		1298368	194.15	ug/l	93

(#) = qualifier out of range (m) = manual integration (+) = signals summed





#60

Toluene

Concen: 3.45 ug/l

RT: 5.620 min Scan# 400

Delta R.T. 0.012 min

Lab File: 1M57060.D

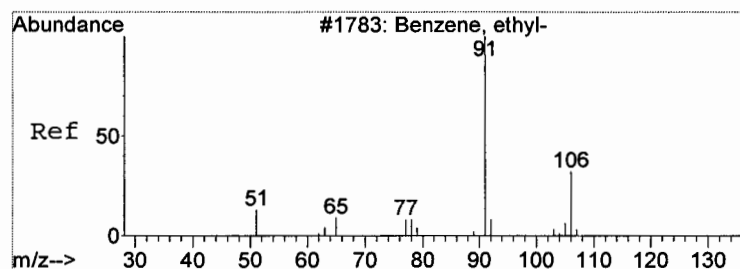
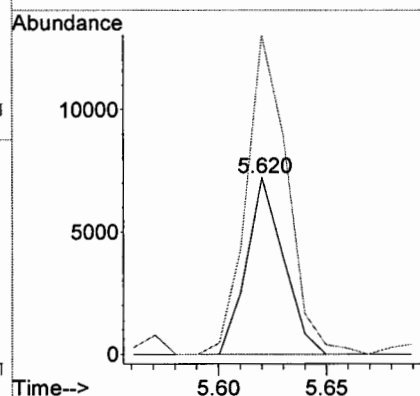
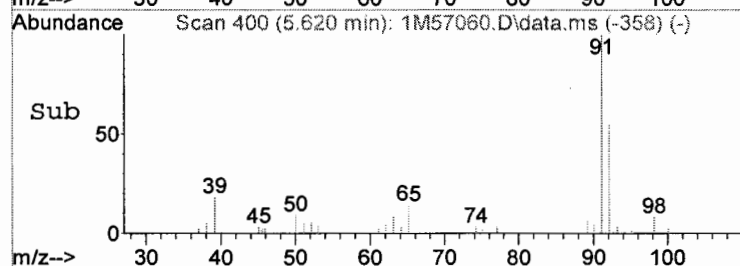
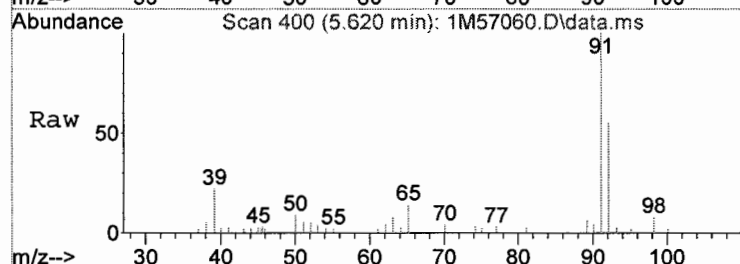
Acq: 7 May 2010 11:24

Tgt Ion: 92 Resp: 8590

Ion Ratio Lower Upper

92 100

91 180.6 104.1 242.9



#65

Ethylbenzene

Concen: 3.27 ug/l

RT: 6.517 min Scan# 491

Delta R.T. 0.011 min

Lab File: 1M57060.D

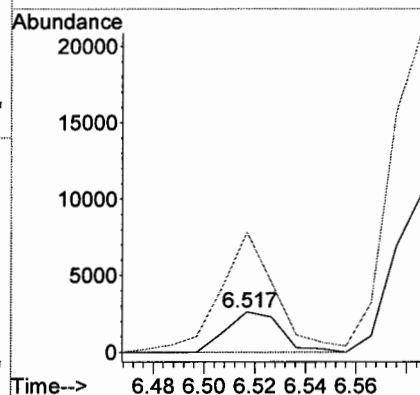
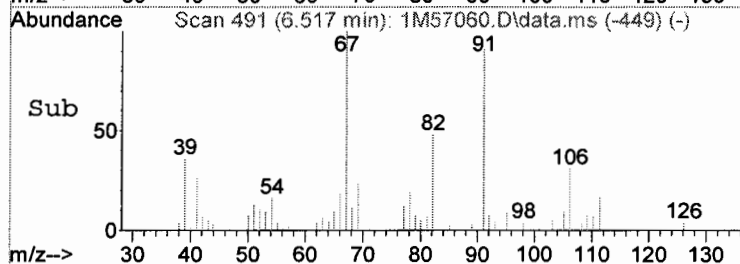
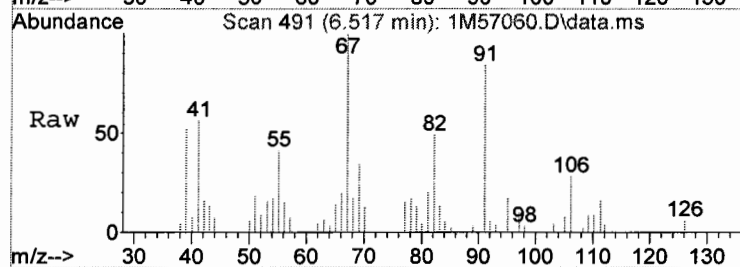
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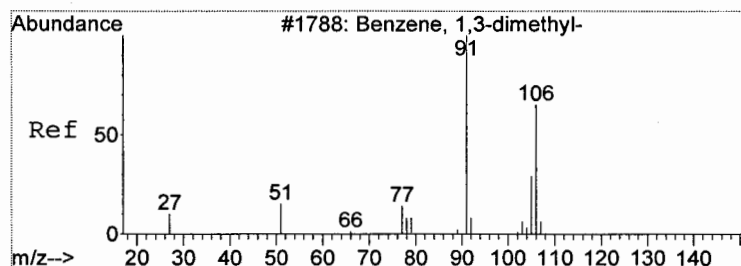
Tgt Ion: 106 Resp: 2617

Ion Ratio Lower Upper

106 100

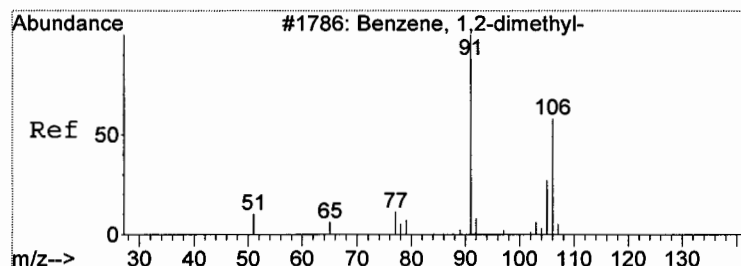
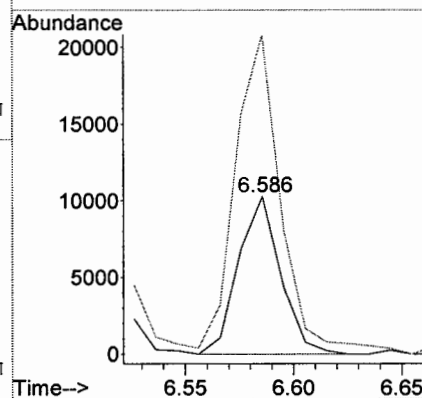
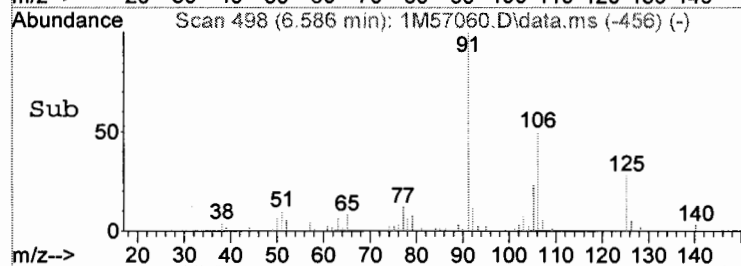
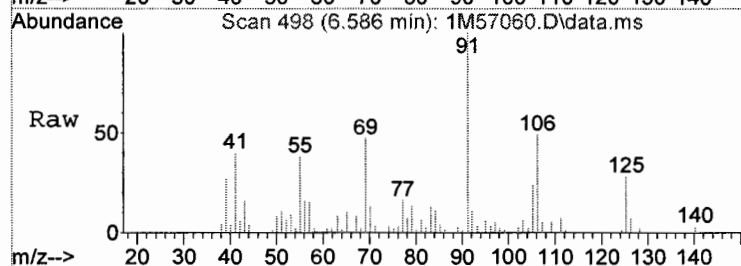
91 283.5 191.5 446.7





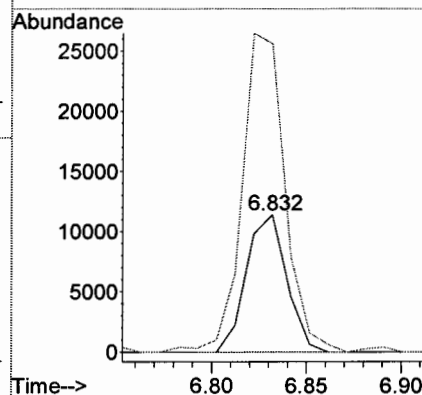
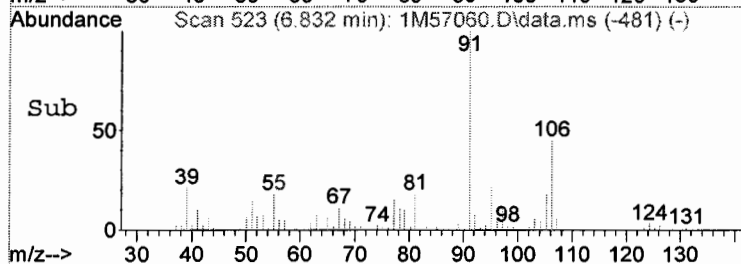
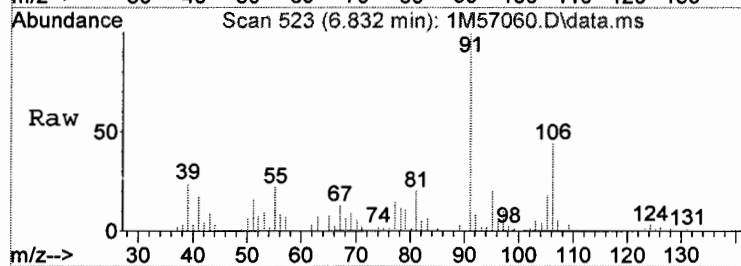
#69
m&p-Xylenes
Concen: 11.31 ug/l
RT: 6.586 min Scan# 498
Delta R.T. 0.011 min
Lab File: 1M57060.D
Acq: 7 May 2010 11:24

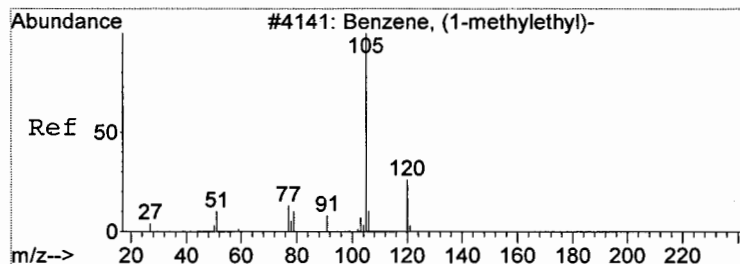
Tgt Ion:106 Resp: 13897
Ion Ratio Lower Upper
106 100
91 198.8 132.0 308.0



#70
o-Xylene
Concen: 14.21 ug/l
RT: 6.832 min Scan# 523
Delta R.T. 0.011 min
Lab File: 1M57060.D
Acq: 7 May 2010 11:24

Tgt Ion:106 Resp: 16903
Ion Ratio Lower Upper
106 100
91 224.9 129.1 301.1





#75

Isopropylbenzene

Concen: 10.25 ug/l

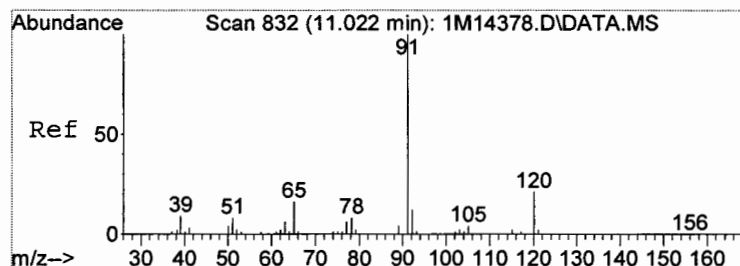
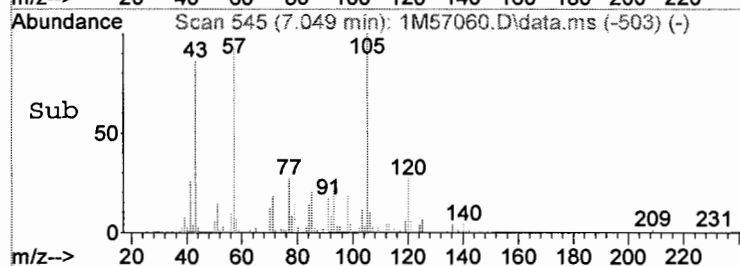
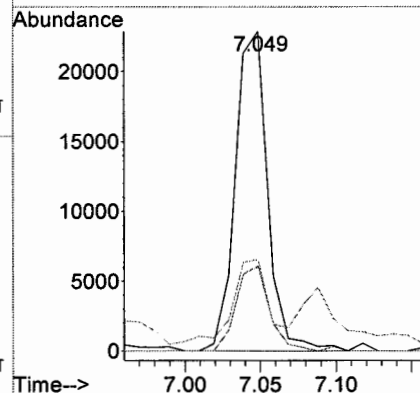
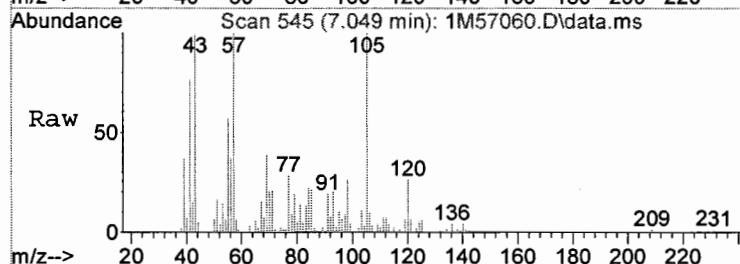
RT: 7.049 min Scan# 545

Delta R.T. 0.011 min

Lab File: 1M57060.D

Acq: 7 May 2010 11:24

Tgt Ion:	105	Resp:	34133
Ion Ratio	Lower	Upper	
105	100		
120	27.1	0.0	66.9
77	27.7	0.0	58.3



#81

n-Propylbenzene

Concen: 10.55 ug/l

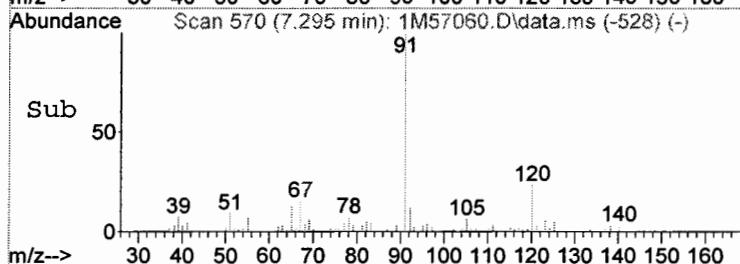
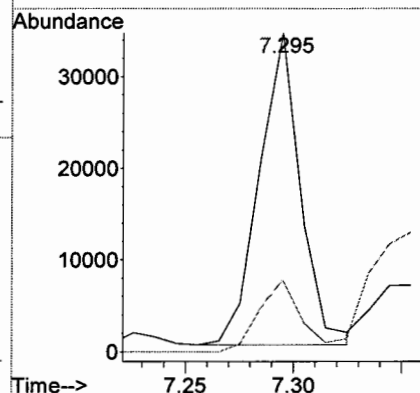
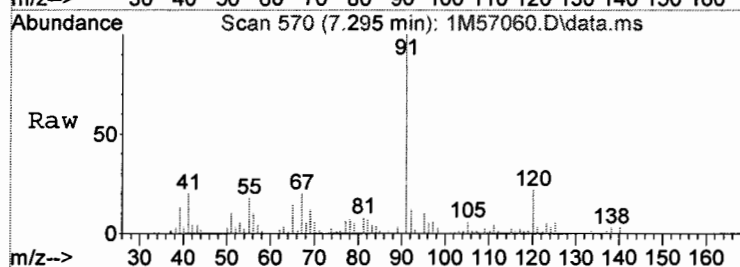
RT: 7.295 min Scan# 570

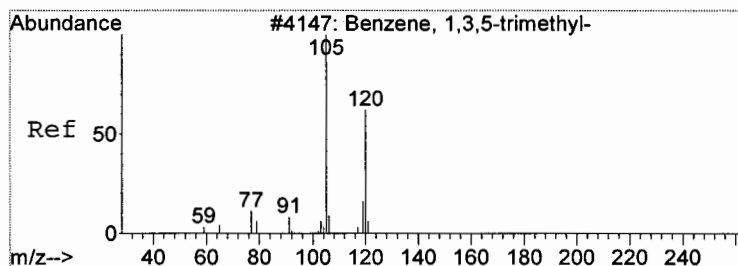
Delta R.T. 0.012 min

Lab File: 1M57060.D

Acq: 7 May 2010 11:24

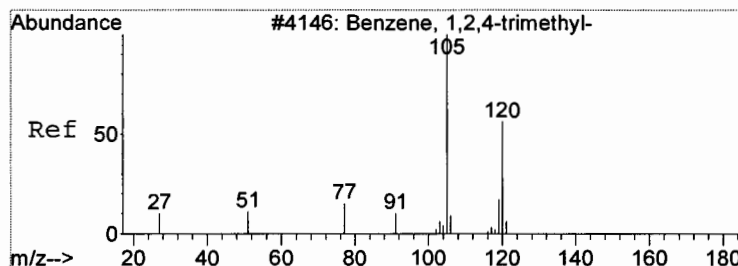
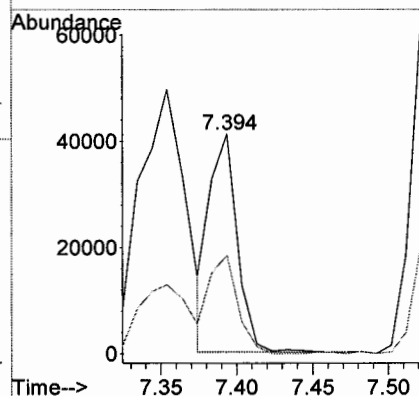
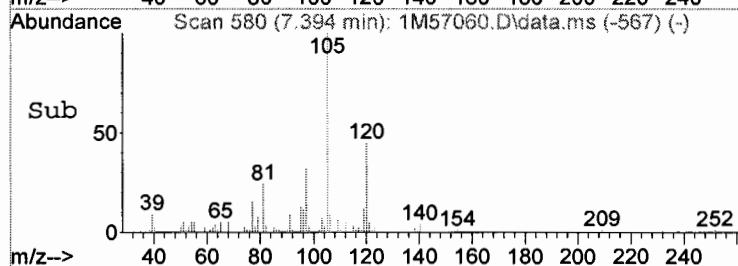
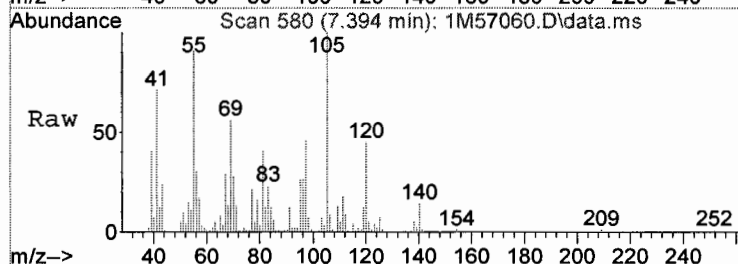
Tgt Ion:	91	Resp:	44680
Ion Ratio	Lower	Upper	
91	100		
120	23.3	0.0	61.6





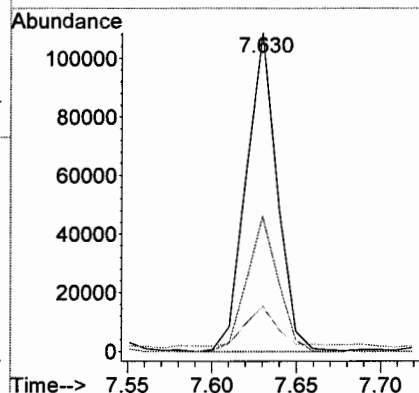
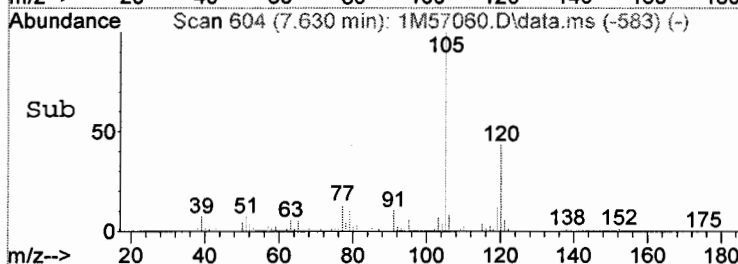
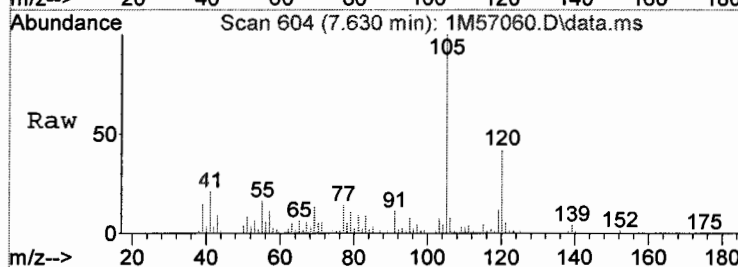
#83
1,3,5-Trimethylbenzene
Concen: 18.76 ug/l
RT: 7.394 min Scan# 580
Delta R.T. 0.011 min
Lab File: 1M57060.D
Acq: 7 May 2010 11:24

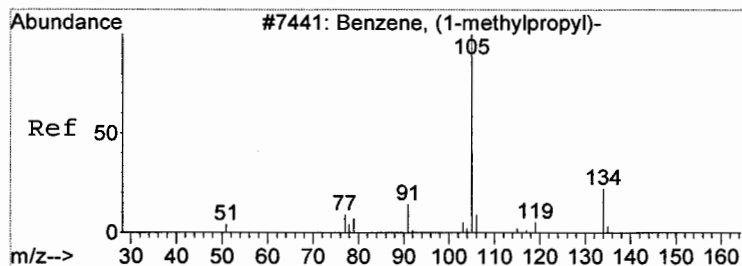
Tgt Ion:105 Resp: 52720
Ion Ratio Lower Upper
105 100
120 46.0 0.0 94.0



#85
1,2,4-Trimethylbenzene
Concen: 49.37 ug/l
RT: 7.630 min Scan# 604
Delta R.T. 0.011 min
Lab File: 1M57060.D
Acq: 7 May 2010 11:24

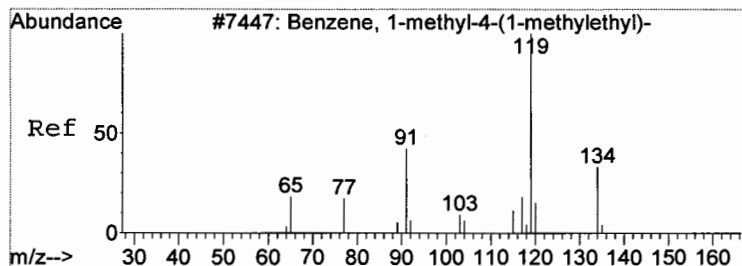
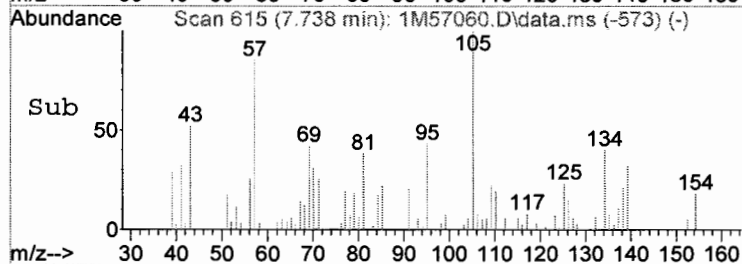
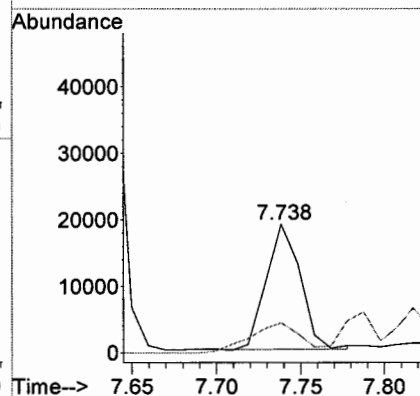
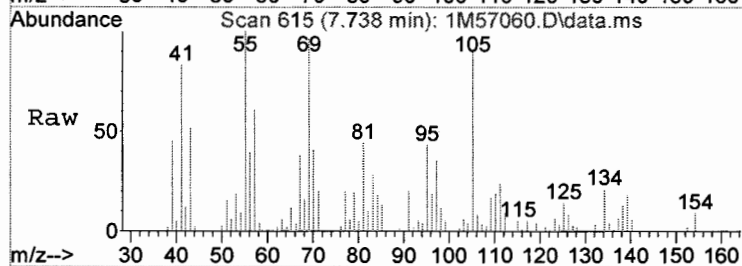
Tgt Ion:105 Resp: 138765
Ion Ratio Lower Upper
105 100
120 42.7 12.2 92.2
77 16.0 0.0 66.0





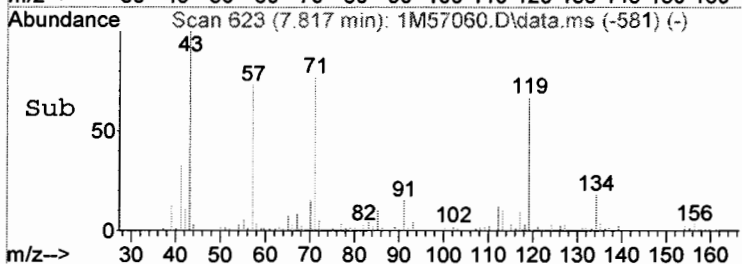
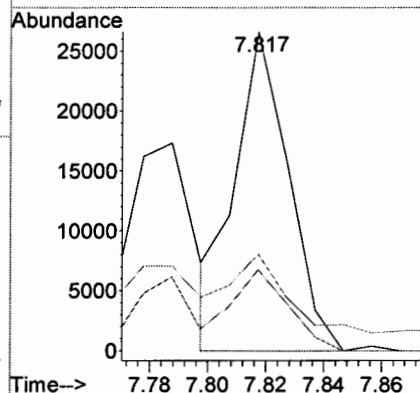
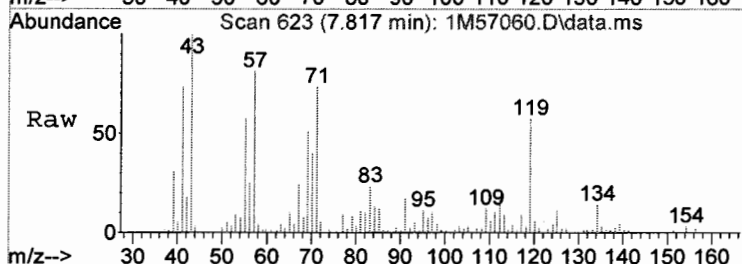
#86
 sec-Butylbenzene
 Concen: 7.37 ug/l
 RT: 7.738 min Scan# 615
 Delta R.T. 0.011 min
 Lab File: 1M57060.D
 Acq: 7 May 2010 11:24

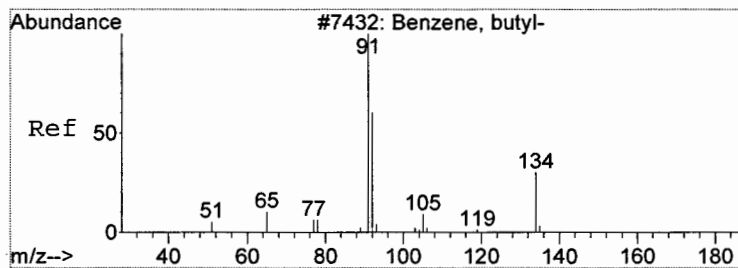
Tgt Ion:105 Resp: 26388
 Ion Ratio Lower Upper
 105 100
 134 34.5 0.0 61.8



#87
 4-Isopropyltoluene
 Concen: 11.81 ug/l m
 RT: 7.817 min Scan# 623
 Delta R.T. 0.011 min
 Lab File: 1M57060.D
 Acq: 7 May 2010 11:24

Tgt Ion:119 Resp: 33745
 Ion Ratio Lower Upper
 119 100
 134 24.1 0.0 66.7
 91 22.8 0.0 66.3





#88

n-Butylbenzene

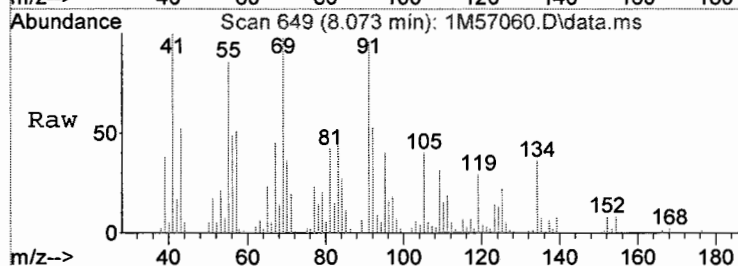
Concen: 8.21 ug/l m

RT: 8.073 min Scan# 649

Delta R.T. 0.001 min

Lab File: 1M57060.D

Acq: 7 May 2010 11:24



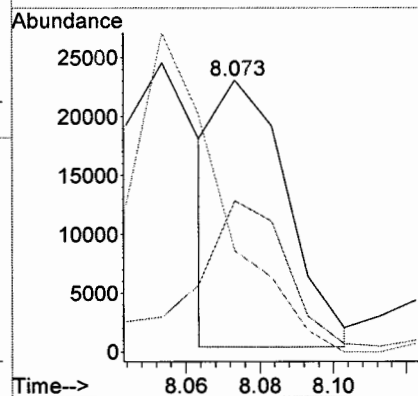
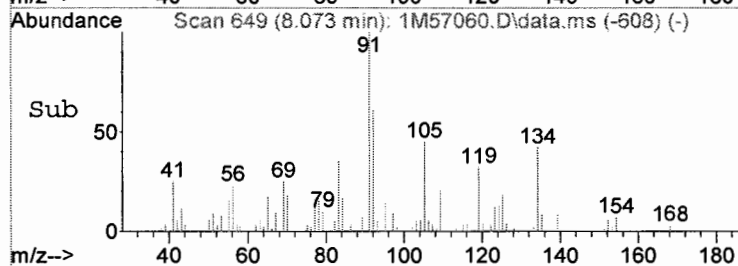
Tgt Ion: 91 Resp: 28972

Ion Ratio Lower Upper

91 100

92 72.3 8.4 88.4

134 156.3 3.6 83.6#



LSC Area Percent Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-07-10\
 Data File : 1M57060.D
 Acq On : 7 May 2010 11:24
 Operator : SG
 Sample : AC51387-004
 Misc : S,5G!7
 ALS Vial : 19 Sample Multiplier: 1

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 1000 Area counts

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0430.M

Title : @GCMS_1,ug,624,8260

Signal : TIC: 1M57060.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.326	6	7	10	rVB	4235	7654	0.38%	0.025%
2	1.544	15	20	21	rBV	7943	21464	1.07%	0.070%
3	1.594	21	23	24	rVV	5488	10583	0.53%	0.034%
4	1.695	27	29	31	rVV2	5224	9537	0.48%	0.031%
5	1.778	31	34	35	rVV3	5289	16134	0.81%	0.052%
6	1.829	35	37	38	rVV2	6111	15134	0.76%	0.049%
7	1.879	38	40	43	rVV2	6595	25964	1.30%	0.084%
8	1.980	43	46	52	rVB6	9961	46915	2.35%	0.152%
9	2.298	61	65	67	rBV	2564	5875	0.29%	0.019%
10	2.517	82	85	90	rBV	2988	5534	0.28%	0.018%
11	2.664	97	100	104	rVB	10280	18662	0.93%	0.061%
12	2.842	115	118	123	rBV2	15977	30640	1.53%	0.099%
13	3.295	160	164	169	rVB2	1913	5867	0.29%	0.019%
14	3.797	212	215	218	rVB2	5073	10802	0.54%	0.035%
15	4.132	246	249	250	rBV	2531	3772	0.19%	0.012%
16	4.172	250	253	257	rBV	65997	102921	5.15%	0.334%
17	4.270	260	263	266	rVB2	18162	29523	1.48%	0.096%
18	4.339	267	270	272	rVB	8074	10743	0.54%	0.035%
19	4.398	272	276	281	rBV	60090	88166	4.41%	0.286%
20	4.487	281	285	287	rBV	3776	6884	0.34%	0.022%
21	4.527	287	289	291	rVV	4748	5270	0.26%	0.017%
22	4.566	291	293	295	rVB	13165	14407	0.72%	0.047%
23	4.615	295	298	302	rBV	179456	243214	12.17%	0.789%
24	4.704	304	307	312	rVB3	3948	7232	0.36%	0.023%
25	4.862	321	323	326	rVB	3687	5344	0.27%	0.017%
26	4.980	329	335	340	rVB2	78967	131024	6.56%	0.425%
27	5.088	344	346	348	rBV2	9585	12841	0.64%	0.042%
28	5.128	348	350	353	rVV	8995	10628	0.53%	0.034%
29	5.187	353	356	357	rVV2	2192	3410	0.17%	0.011%
30	5.216	357	359	362	rVB2	11908	20613	1.03%	0.067%
31	5.295	365	367	369	rBV2	17414	28864	1.44%	0.094%
32	5.334	369	371	376	rVB2	37217	56647	2.84%	0.184%
33	5.423	376	380	385	rVB	34666	57525	2.88%	0.187%
34	5.512	385	389	392	rBV3	14935	29193	1.46%	0.095%
35	5.581	392	396	399	rBV2	255227	382543	19.15%	1.240%

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-07-10\
 Data File : 1M57060.D
 Acq On : 7 May 2010 11:24
 Operator : SG
 Sample : AC51387-004
 Misc : S,5G!7
 ALS Vial : 19 Sample Multiplier: 1

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 1000 Area counts

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0430.M
 Title : @GCMS_1,ug,624,8260

36	5.620	399	400	403	rVB	27434	27964	1.40%	0.091%
37	5.679	403	406	412	rVB4	52515	98242	4.92%	0.319%
38	5.758	412	414	415	rBV	8937	11402	0.57%	0.037%
39	5.788	415	417	421	rVB2	44721	59107	2.96%	0.192%
40	5.857	421	424	427	rBV3	42096	67806	3.39%	0.220%
41	5.906	427	429	431	rVB2	16177	21147	1.06%	0.069%
42	5.955	431	434	437	rVB	51668	70074	3.51%	0.227%
43	6.024	437	441	443	rBV2	36947	57654	2.89%	0.187%
44	6.054	443	444	445	rVB	8119	4798	0.24%	0.016%
45	6.083	445	447	448	rBV	23420	27780	1.39%	0.090%
46	6.132	448	452	453	rBV2	63479	97312	4.87%	0.316%
47	6.162	453	455	460	rVB	157511	218297	10.93%	0.708%
48	6.231	460	462	464	rBV	59873	68441	3.43%	0.222%
49	6.270	464	466	471	rVB2	101316	175778	8.80%	0.570%
50	6.339	471	473	476	rBV	88320	116490	5.83%	0.378%
51	6.389	476	478	481	rVB3	16924	31136	1.56%	0.101%
52	6.448	481	484	488	rBV	182076	258617	12.94%	0.838%
53	6.527	488	492	494	rBV3	61809	126393	6.33%	0.410%
54	6.576	494	497	499	rBV3	118106	226912	11.36%	0.736%
55	6.625	499	502	505	rVB2	146558	302907	15.16%	0.982%
56	6.684	505	508	510	rBV3	26534	51447	2.58%	0.167%
57	6.733	510	513	516	rVB	69093	85479	4.28%	0.277%
58	6.802	516	520	524	rBV5	136482	488295	24.44%	1.583%
59	6.862	524	526	529	rVB2	280608	396863	19.86%	1.287%
60	6.960	529	536	539	rBV4	298128	880223	44.06%	2.854%
61	7.009	539	541	543	rBV3	36708	58346	2.92%	0.189%
62	7.078	543	548	553	rVB3	320992	838565	41.97%	2.719%
63	7.147	553	555	558	rVB3	263072	404390	20.24%	1.311%
64	7.216	558	562	565	rBV5	91427	219830	11.00%	0.713%
65	7.275	565	568	571	rBV2	271407	468511	23.45%	1.519%
66	7.364	571	577	578	rBV2	344904	754252	37.75%	2.445%
67	7.384	578	579	586	rVB4	317597	678117	33.94%	2.199%
68	7.492	586	590	592	rBV3	136519	299157	14.97%	0.970%
69	7.541	592	595	598	rVB2	352983	645860	32.33%	2.094%
70	7.591	598	600	602	rVB3	57704	96270	4.82%	0.312%
71	7.630	602	604	607	rBV	308724	450197	22.53%	1.460%
72	7.689	607	610	612	rVB2	172505	240384	12.03%	0.779%
73	7.788	612	620	627	rBV8	360205	1815942	90.89%	5.888%
74	7.896	627	631	635	rVB3	415026	817249	40.90%	2.650%
75	7.985	635	640	644	rBV5	225635	816233	40.85%	2.646%

LSC Area Percent Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-07-10\
 Data File : 1M57060.D
 Acq On : 7 May 2010 11:24
 Operator : SG
 Sample : AC51387-004
 Misc : S,5G!7
 ALS Vial : 19 Sample Multiplier: 1

Integration Parameters: RTEINT.P

Integrator: RTE
 Smoothing : ON
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0

Filtering: 5
 Min Area: 1000 Area counts
 Max Peaks: 100
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0430.M
 Title : @GCMS_1,ug,624,8260

76	8.054	644	647	649	rBV2	244661	343885	17.21%	1.115%
77	8.123	649	654	658	rBV4	375607	1012613	50.68%	3.283%
78	8.192	658	661	663	rBV2	180409	284582	14.24%	0.923%
79	8.231	663	665	667	rBV2	312000	385163	19.28%	1.249%
80	8.261	667	668	670	rBV2	52868	58328	2.92%	0.189%
81	8.300	670	672	676	rVB2	623117	1084213	54.27%	3.515%
82	8.398	676	682	685	rBV2	590822	1597745	79.97%	5.180%
83	8.477	688	690	692	rBV2	154527	234507	11.74%	0.760%
84	8.527	692	695	700	rVV5	489266	1272939	63.71%	4.127%
85	8.596	700	702	704	rVB	170434	200284	10.02%	0.649%
86	8.635	704	706	707	rBV2	192475	201721	10.10%	0.654%
87	8.664	707	709	711	rBV2	191296	255322	12.78%	0.828%
88	8.753	715	718	719	rVB3	75702	115880	5.80%	0.376%
89	8.793	719	722	723	rBV2	351769	522773	26.17%	1.695%
90	8.822	723	725	727	rVB2	144980	193295	9.67%	0.627%
91	8.881	727	731	737	rBV3	722912	1997931	100.00%	6.478%
92	9.019	743	745	750	rBV5	251482	771905	38.64%	2.503%
93	9.098	750	753	755	rVV2	568234	934402	46.77%	3.030%
94	9.137	755	757	760	rVV3	344016	675061	33.79%	2.189%
95	9.197	760	763	766	rVV2	520586	1298368	64.99%	4.210%
96	9.236	766	767	769	rVV2	283186	304767	15.25%	0.988%
97	9.275	769	771	773	rVB	259808	300984	15.06%	0.976%
98	9.315	773	775	776	rBV2	56747	57609	2.88%	0.187%
99	9.413	782	785	790	rVB6	221129	524726	26.26%	1.701%
100	9.561	797	800	802	rBV2	196112	314444	15.74%	1.020%
101	9.610	802	805	807	rVB3	303537	459264	22.99%	1.489%
102	9.679	807	812	815	rBV4	214747	570888	28.57%	1.851%
103	9.758	818	820	822	rVB3	130799	171810	8.60%	0.557%
104	9.807	822	825	828	rBV3	154439	317762	15.90%	1.030%
105	9.906	832	835	837	rBV4	111251	213472	10.68%	0.692%
106	9.935	837	838	840	rVB2	108173	110869	5.55%	0.359%

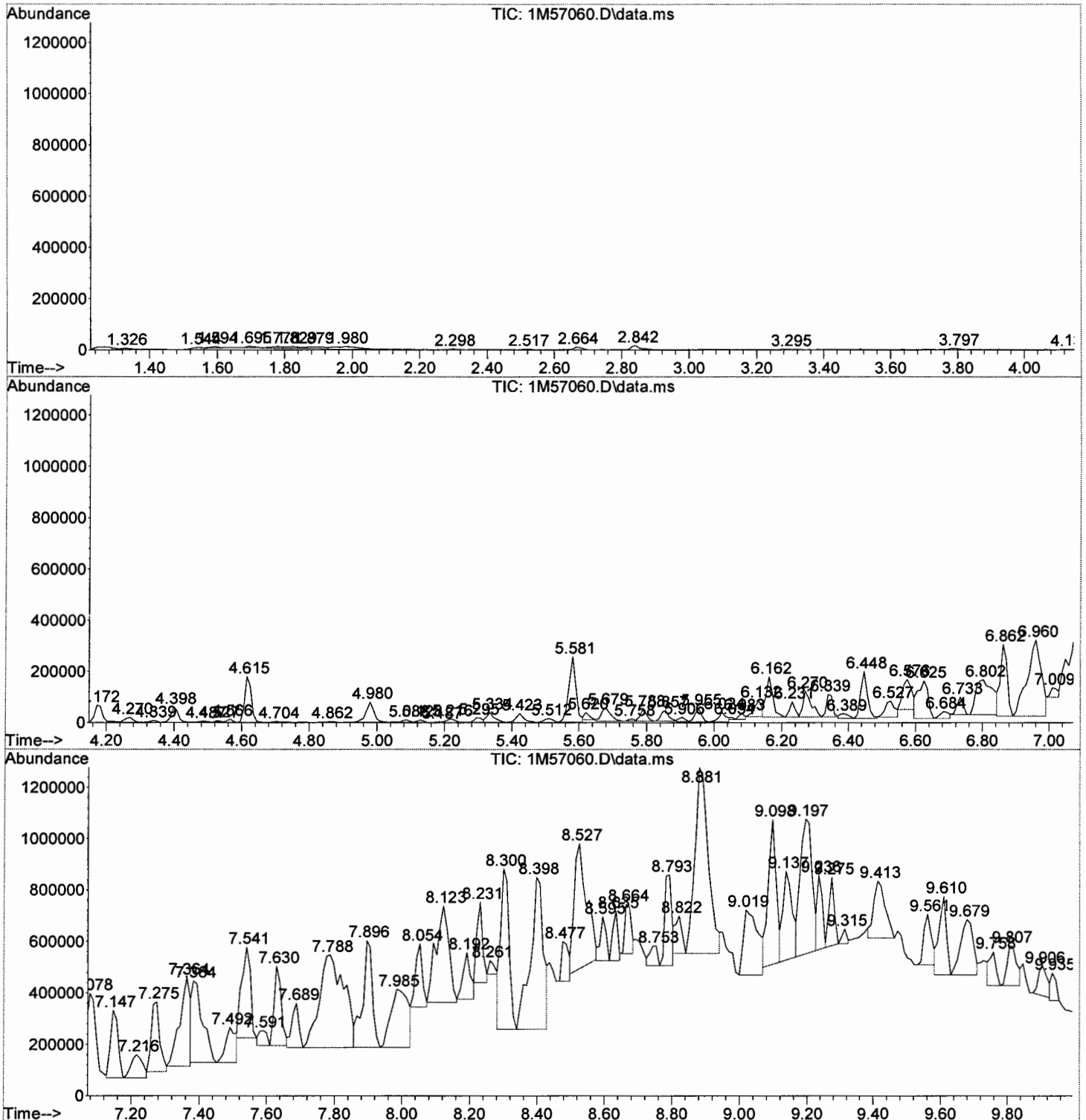
Sum of corrected areas: 30842908

LSC Report - Integrated Chromatogram

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-07-10\
Data File : 1M57060.D
Acq On : 7 May 2010 11:24
Operator : SG
Sample : AC51387-004
Misc : S,5G!7
ALS Vial : 19 Sample Multiplier: 1

Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0430.M
Quant Title : @GCMS_1,ug,624,8260

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-07-10\
 Data File : 1M57060.D
 Acq On : 7 May 2010 11:24
 Operator : SG
 Sample : AC51387-004
 Misc : S,5G!7
 ALS Vial : 19 Sample Multiplier: 1

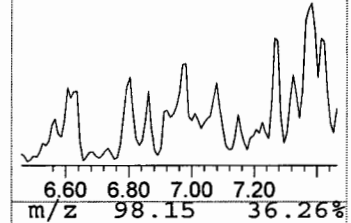
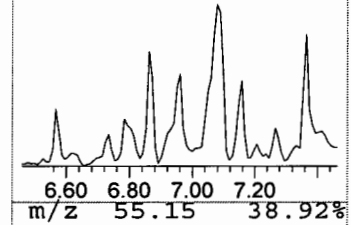
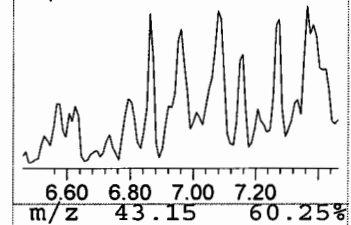
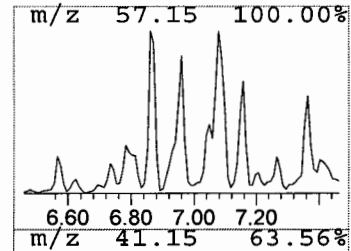
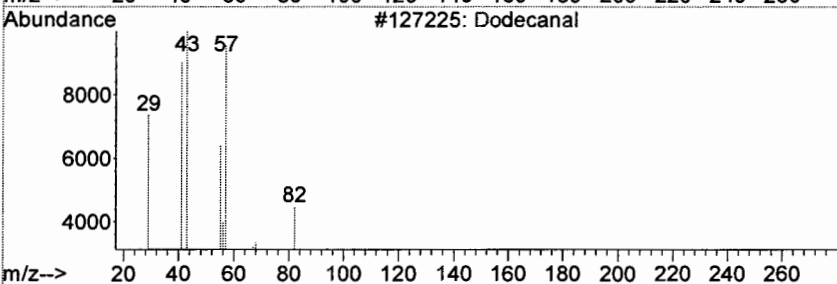
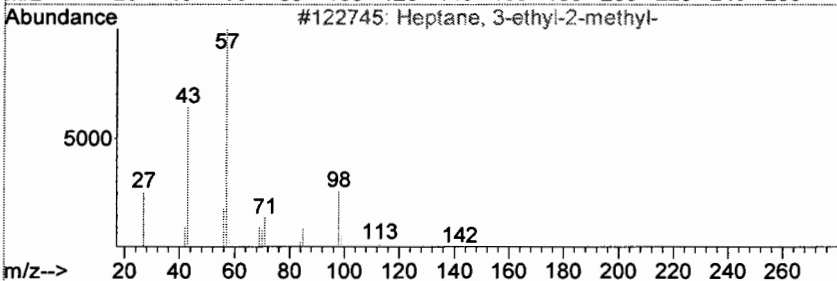
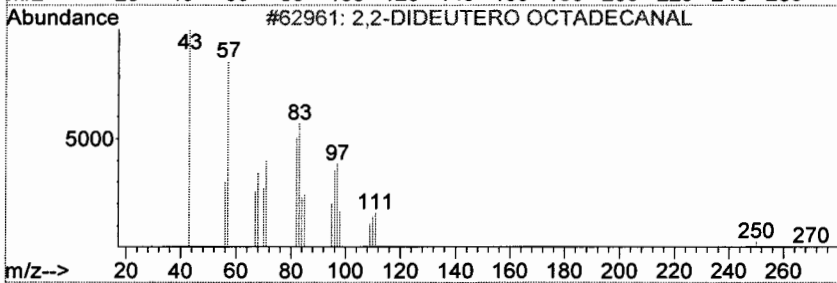
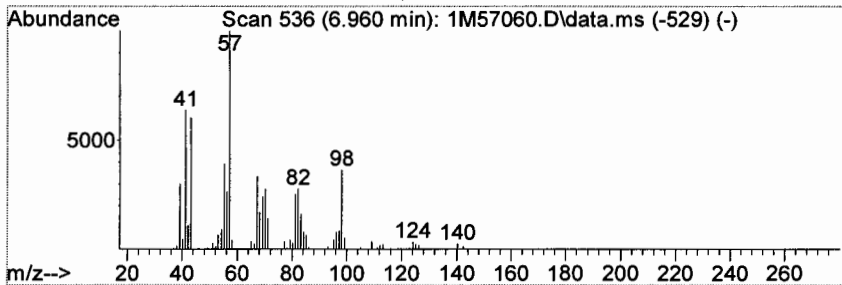
Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0430.M
 Quant Title : @GCMS_1,ug,624,8260

TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 1 unknown Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.96	102.11 ug/l	880223	LibIS-Chlorobenzene-d5	6.45

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2,2-DIDEUTERO OCTADECANAL	268	C18H34D2O	056555-07-8	22
2			Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	27
3			Dodecanal	184	C12H24O	000112-54-9	27
4			Ether, heptyl hexyl	200	C13H28O	007289-40-9	35
5			1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	35



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-07-10\
 Data File : 1M57060.D
 Acq On : 7 May 2010 11:24
 Operator : SG
 Sample : AC51387-004
 Misc : S,5G!7
 ALS Vial : 19 Sample Multiplier: 1

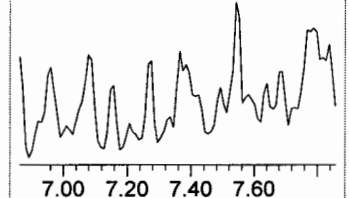
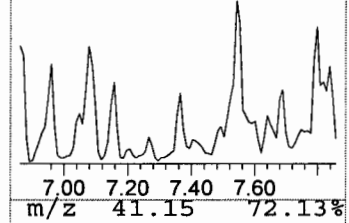
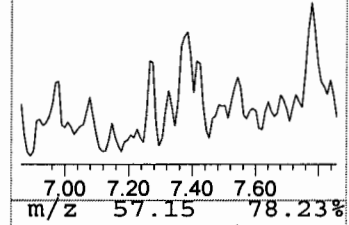
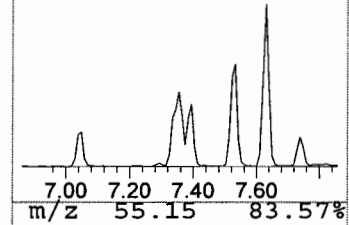
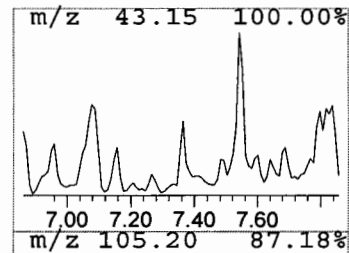
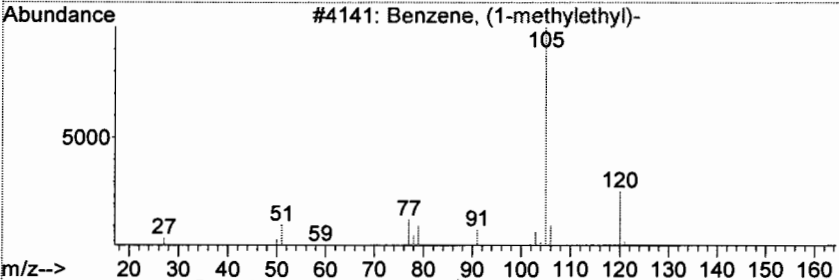
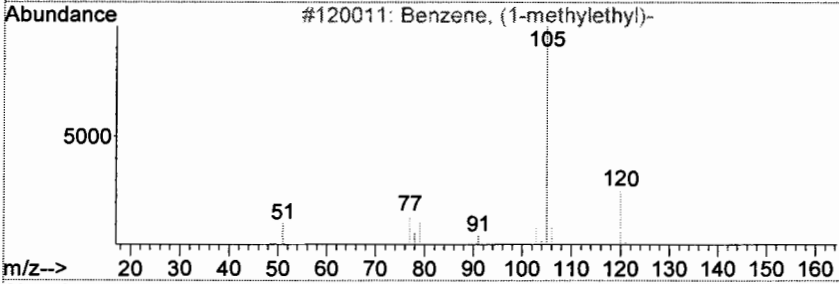
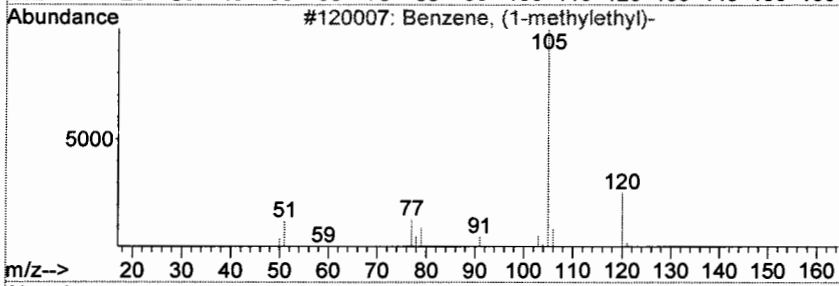
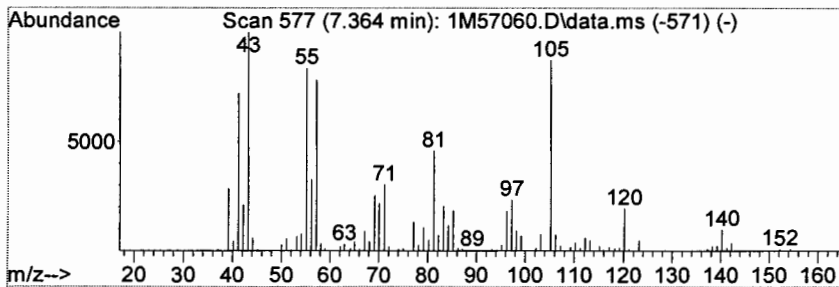
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 Quant Title : @GCMS_1,ug,624,8260

TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 2 unknown Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.36	112.78 ug/l	754252	LibIS-1,4-Dichlorobenzene-d4	7.87

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	11
2			Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	11
3			Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	11
4			Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	11
5			Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	11



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-07-10\
 Data File : 1M57060.D
 Acq On : 7 May 2010 11:24
 Operator : SG
 Sample : AC51387-004
 Misc : S,5G!7
 ALS Vial : 19 Sample Multiplier: 1

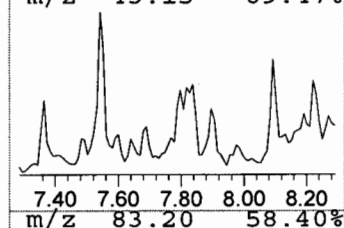
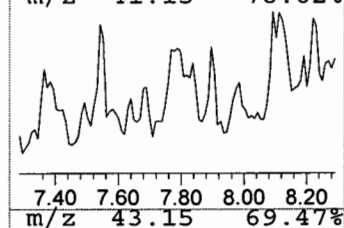
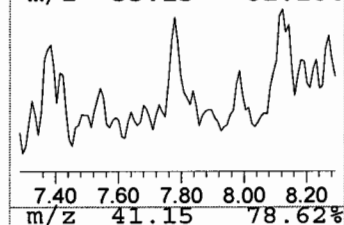
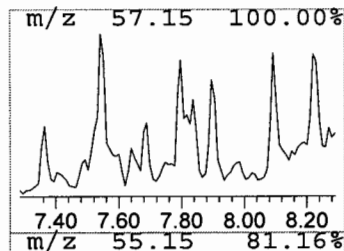
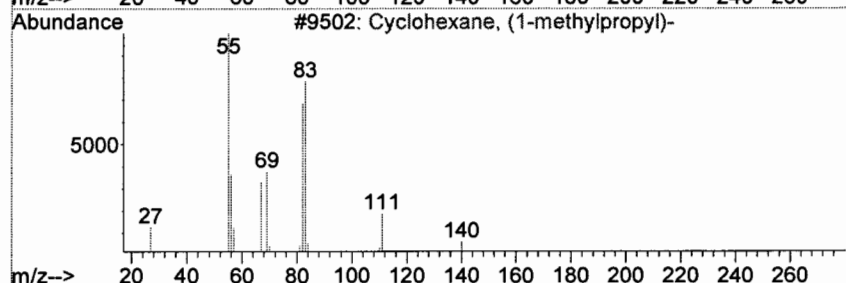
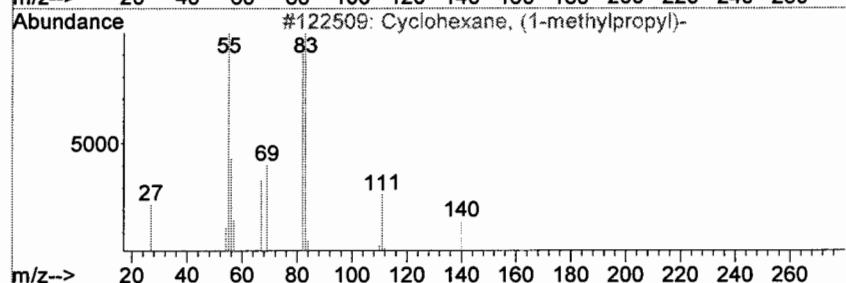
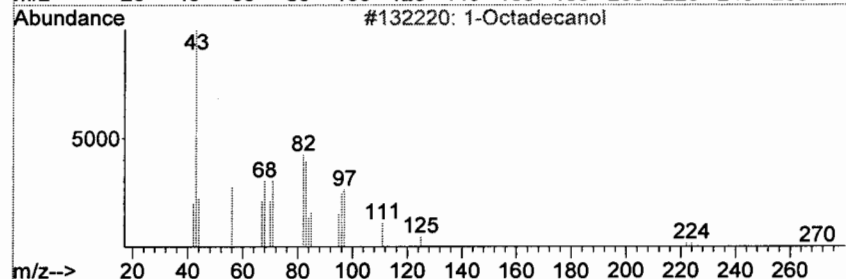
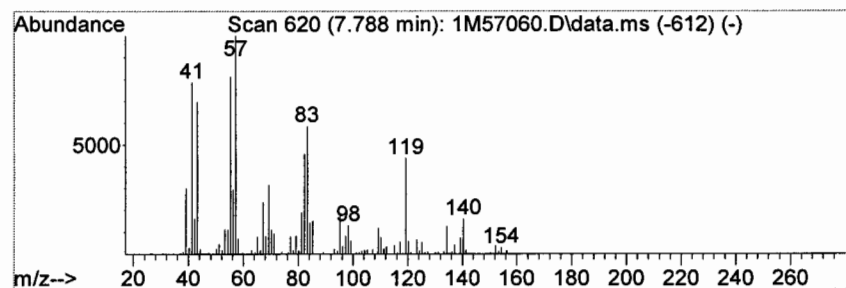
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 Quant Title : @GCMS_1,ug,624,8260

TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 3 unknown Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.79	271.54 ug/l	1815942	LibIS-1,4-Dichlorobenzene-d4	7.87

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Octadecanol	270	C18H38O	000112-92-5	25
2		Cyclohexane, (1-methylpropyl)-	140	C10H20	007058-01-7	38
3		Cyclohexane, (1-methylpropyl)-	140	C10H20	007058-01-7	25
4		Cyclohexane, (1-methylpropyl)-	140	C10H20	007058-01-7	25
5		Cyclopentane, 1-methyl-2-(2-prop...	124	C9H16	050746-53-7	22



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-07-10\
 Data File : 1M57060.D
 Acq On : 7 May 2010 11:24
 Operator : SG
 Sample : AC51387-004
 Misc : S,5G!7
 ALS Vial : 19 Sample Multiplier: 1

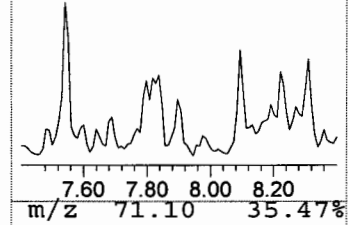
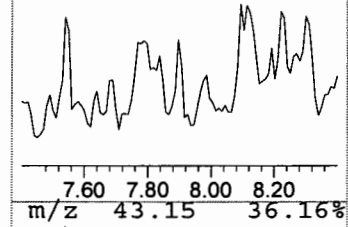
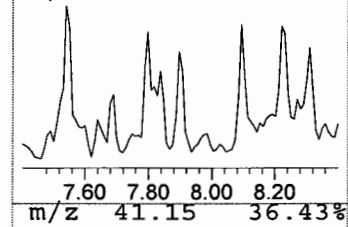
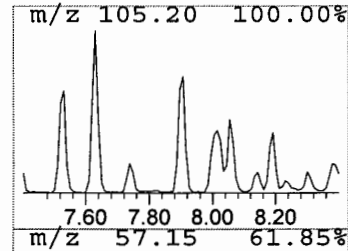
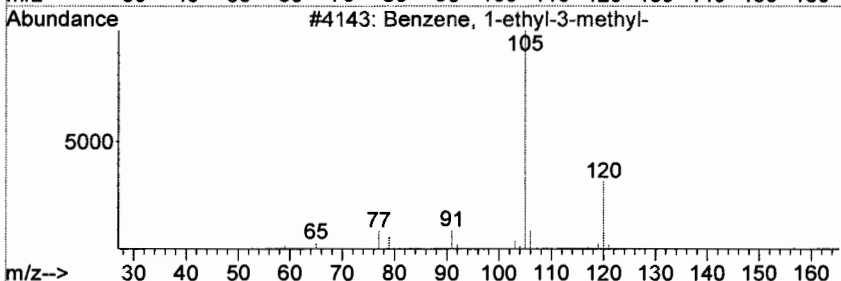
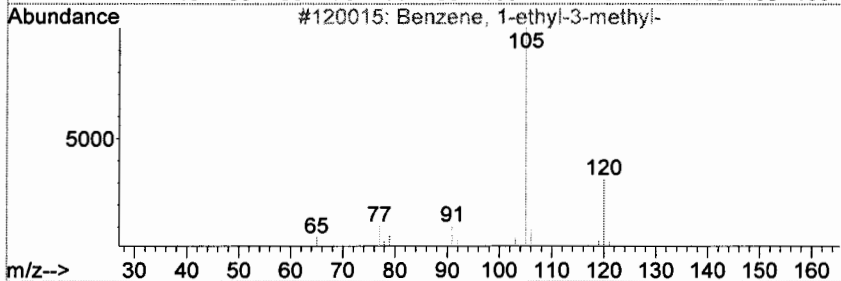
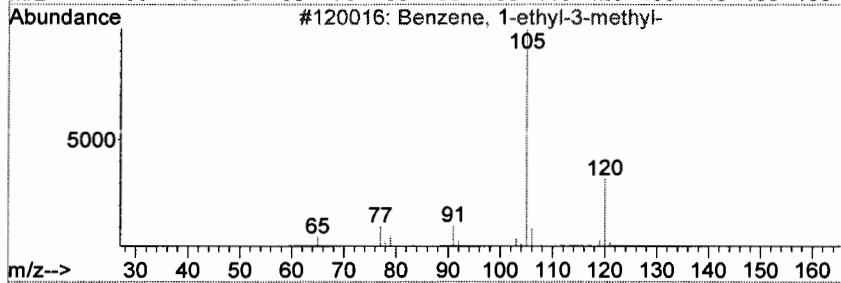
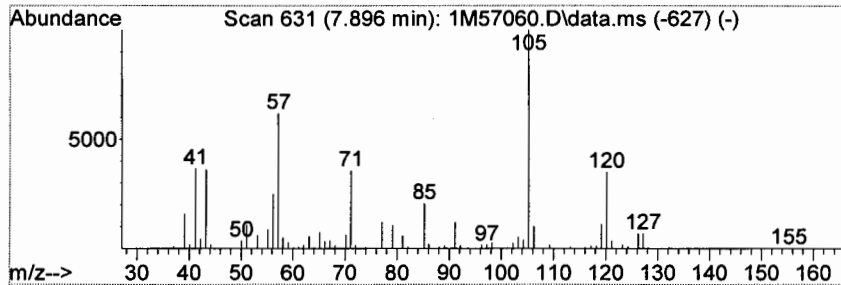
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 Quant Title : @GCMS_1,ug,624,8260

TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 4 unknown Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.90	122.20 ug/l	817249	LibIS-1,4-Dichlorobenzene-d4	7.87

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	41
2		Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	41
3		Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	46
4		Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	42
5		Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	38



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-07-10\
 Data File : 1M57060.D
 Acq On : 7 May 2010 11:24
 Operator : SG
 Sample : AC51387-004
 Misc : S,5G!7
 ALS Vial : 19 Sample Multiplier: 1

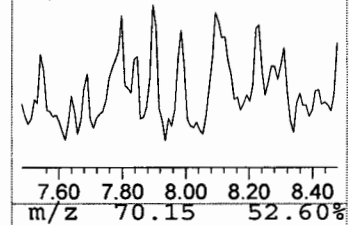
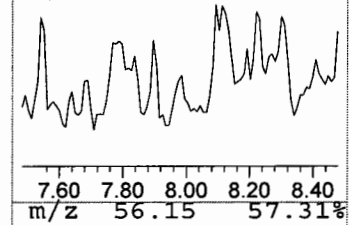
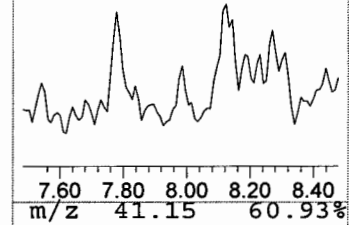
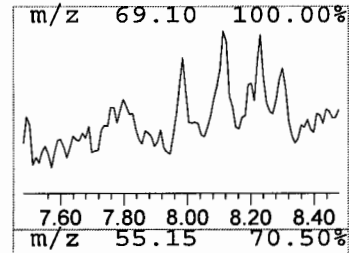
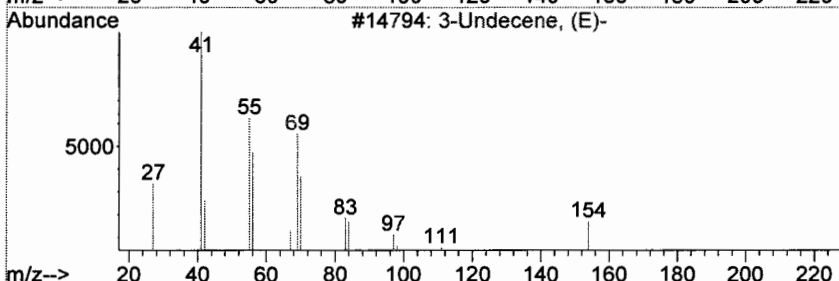
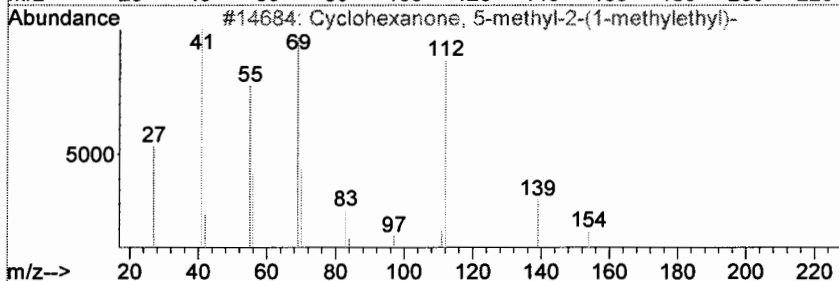
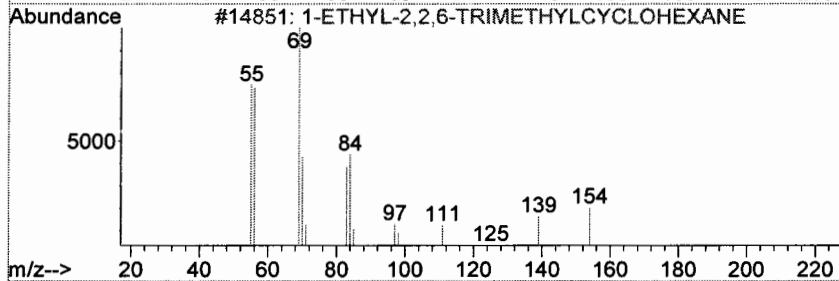
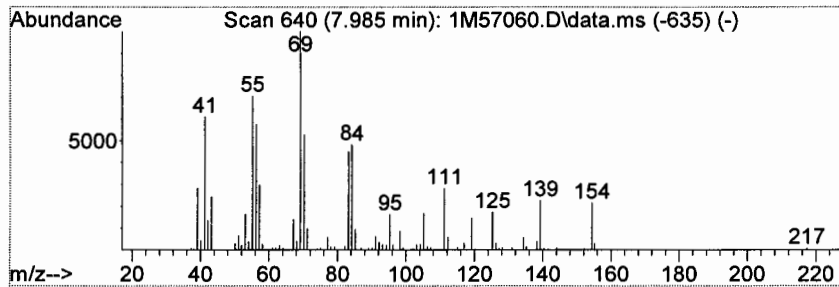
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 Quant Title : @GCMS_1,ug,624,8260

TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 5 unknown Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.98	122.05 ug/l	816233	LibIS-1,4-Dichlorobenzene-d4	7.87

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		1-ETHYL-2,2,6-TRIMETHYLCYCLOHEXANE	154	C11H22	000000-00-0	64
2		Cyclohexanone, 5-methyl-2-(1-met...	154	C10H18O	010458-14-7	38
3		3-Undecene, (E)-	154	C11H22	001002-68-2	38
4		5-Undecene	154	C11H22	004941-53-1	41
5		Cyclooctane, 1,4-dimethyl-, trans-	140	C10H20	013151-98-9	41



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-07-10\
 Data File : 1M57060.D
 Acq On : 7 May 2010 11:24
 Operator : SG
 Sample : AC51387-004
 Misc : S,5G!7
 ALS Vial : 19 Sample Multiplier: 1

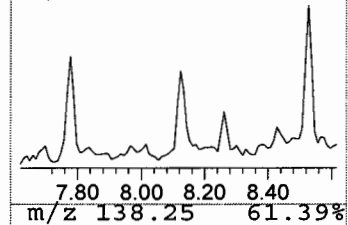
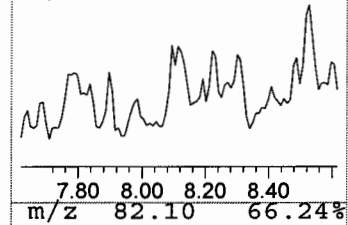
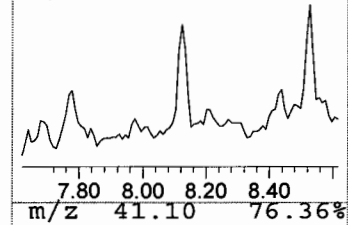
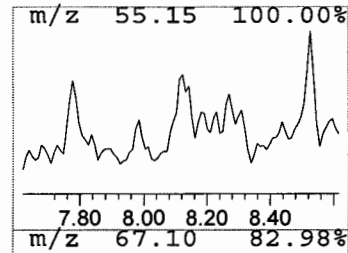
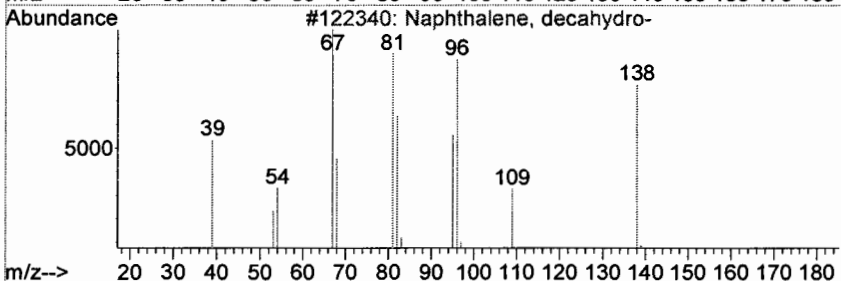
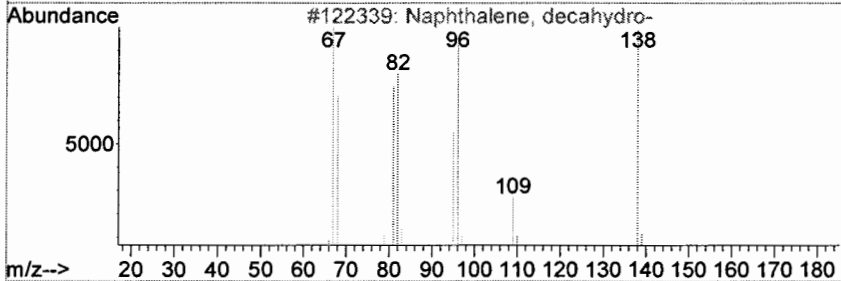
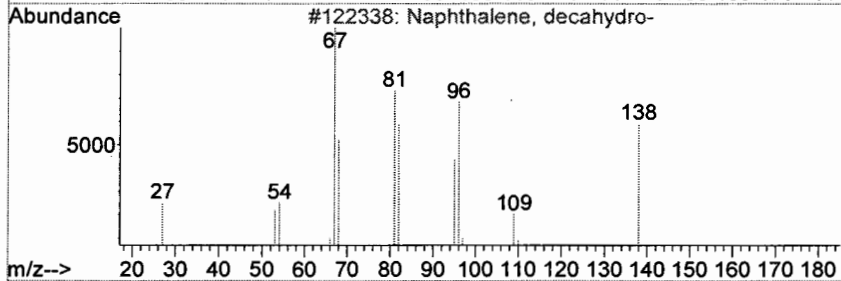
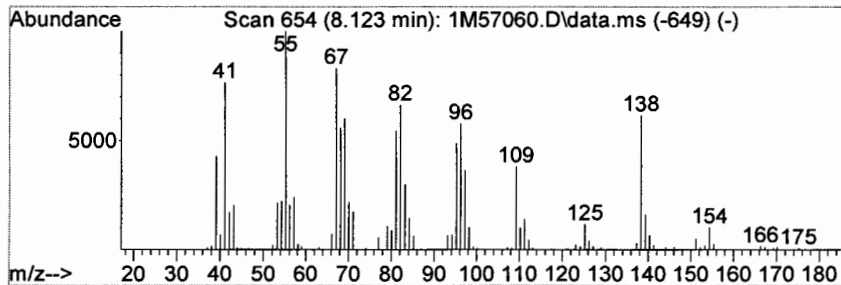
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 Quant Title : @GCMS_1,ug,624,8260

TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 6 Naphthalene, decahydro- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.12	151.42 ug/l	1012613	LibIS-1,4-Dichlorobenzene-d4	7.87

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, decahydro-	138	C10H18	000091-17-8	76
2			Naphthalene, decahydro-	138	C10H18	000091-17-8	94
3			Naphthalene, decahydro-	138	C10H18	000091-17-8	81
4			Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	81
5			Naphthalene, decahydro-	138	C10H18	000091-17-8	93



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-07-10\
 Data File : 1M57060.D
 Acq On : 7 May 2010 11:24
 Operator : SG
 Sample : AC51387-004
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 ALS Vial : 19 Sample Multiplier: 1

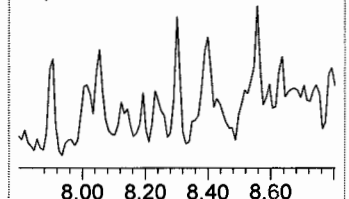
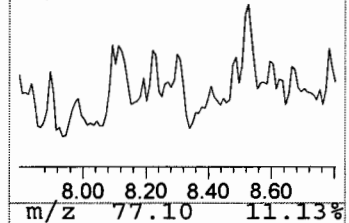
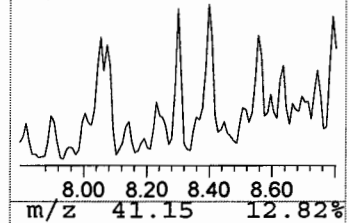
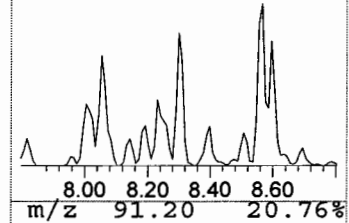
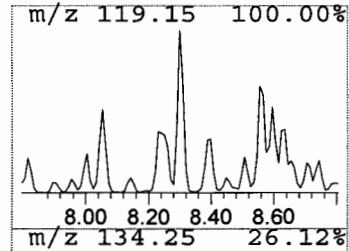
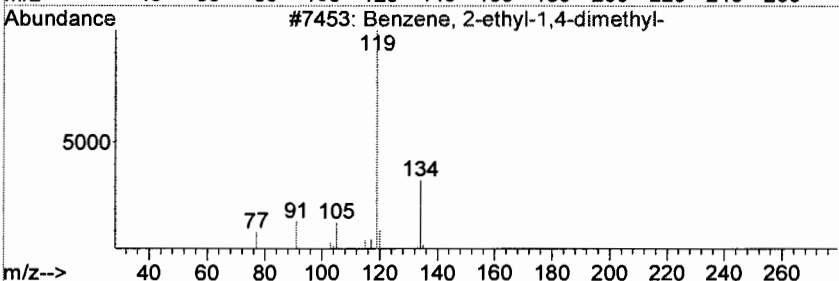
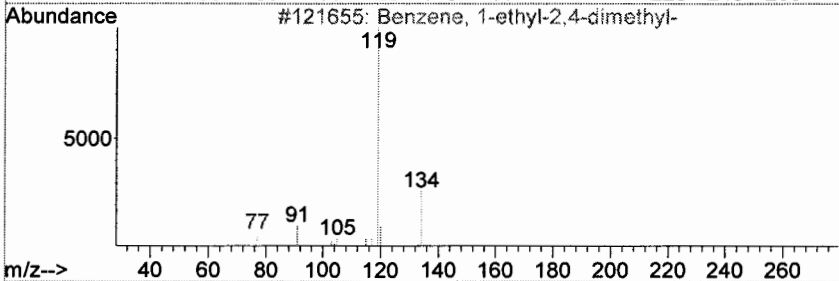
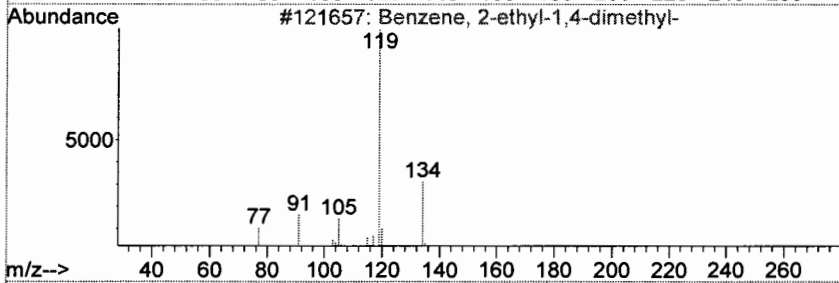
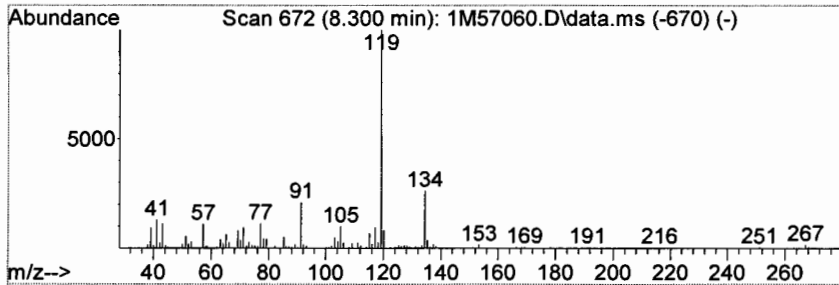
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 Quant Title : @GCMS_1,ug,624,8260

TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 7 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.30	162.12 ug/l	1084213	LibIS-1,4-Dichlorobenzene-d4	7.87

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	93
2		Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	87
3		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	93
4		Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	87
5		Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	87



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-07-10\
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 Acq On : 7 May 2010 11:24
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 Sample : AC51387-004
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 ALS Vial : 19 Sample Multiplier: 1

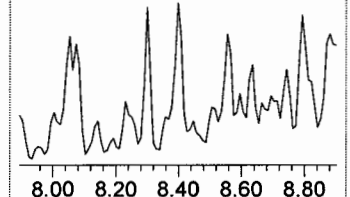
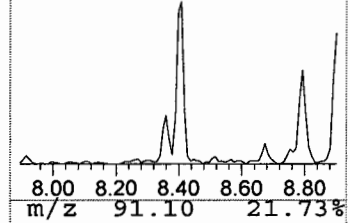
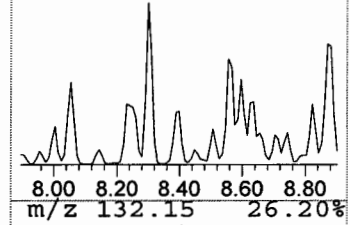
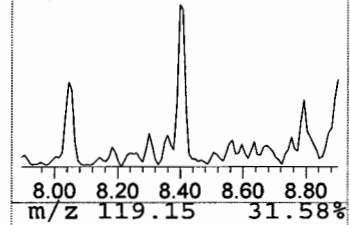
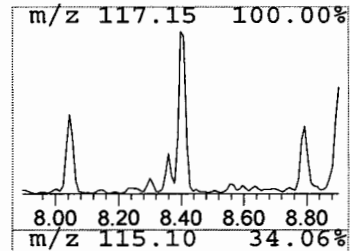
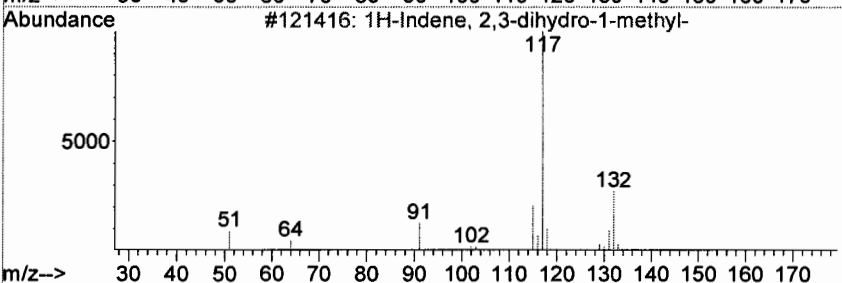
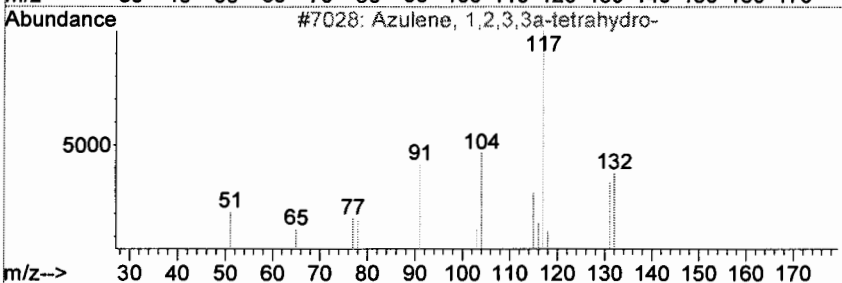
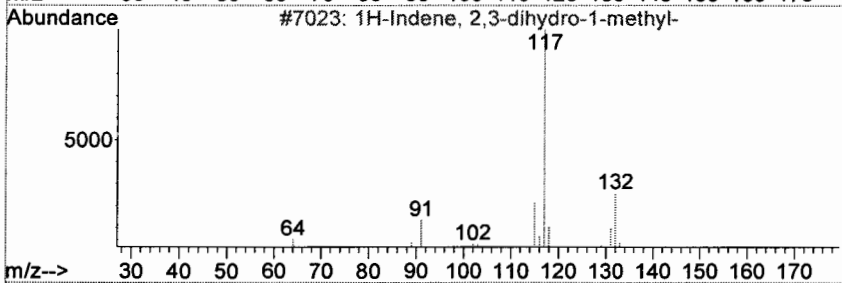
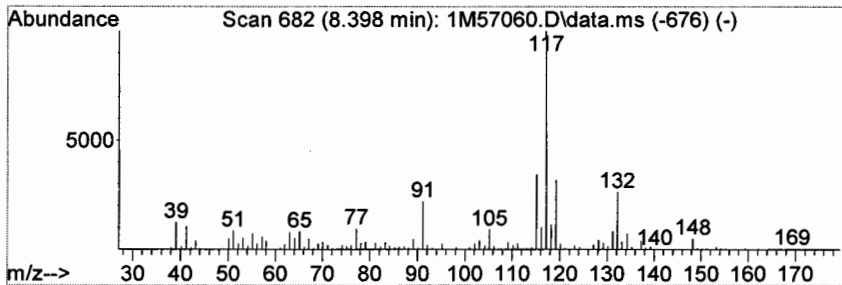
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 Quant Title : @GCMS_1,ug,624,8260

TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 8 1H-Indene, 2,3-dihydro-1-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.40	238.91 ug/l	1597745	LibIS-1,4-Dichlorobenzene-d4	7.87

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1H-Indene, 2,3-dihydro-1-methyl-	132	C10H12	000767-58-8	76
2			Azulene, 1,2,3,3a-tetrahydro-	132	C10H12	033877-87-1	43
3			1H-Indene, 2,3-dihydro-1-methyl-	132	C10H12	000767-58-8	76
4			2,3-DIHYDRO-1-METHYLINDENE	132	C10H12	027133-93-3	81
5			1H-Indene, 2,3-dihydro-1-methyl-	132	C10H12	000767-58-8	76



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-07-10\
 Data File : 1M57060.D
 Acq On : 7 May 2010 11:24
 Operator : SG
 Sample : AC51387-004
 Misc : S,5G!7
 ALS Vial : 19 Sample Multiplier: 1

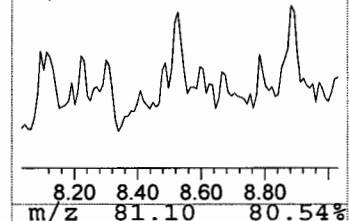
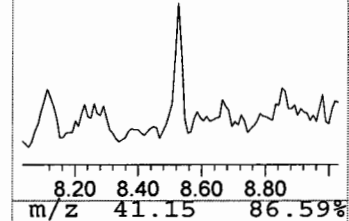
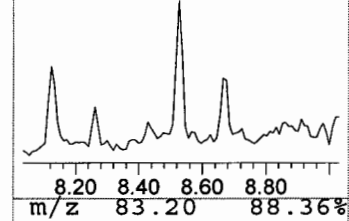
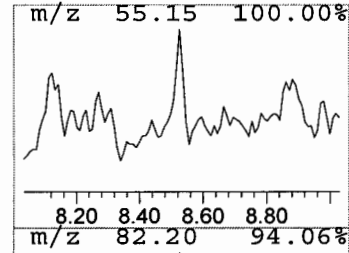
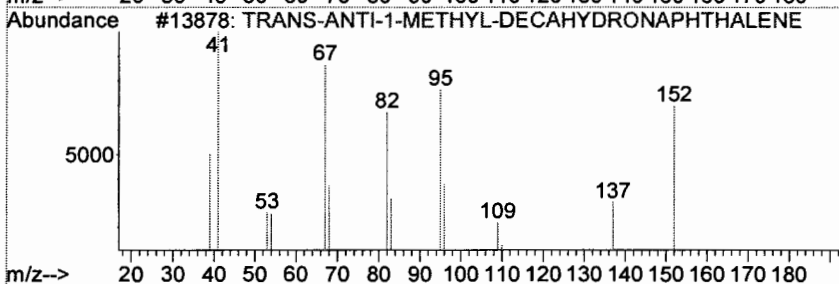
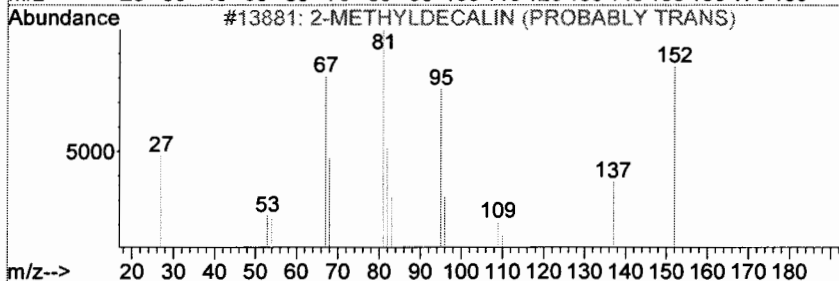
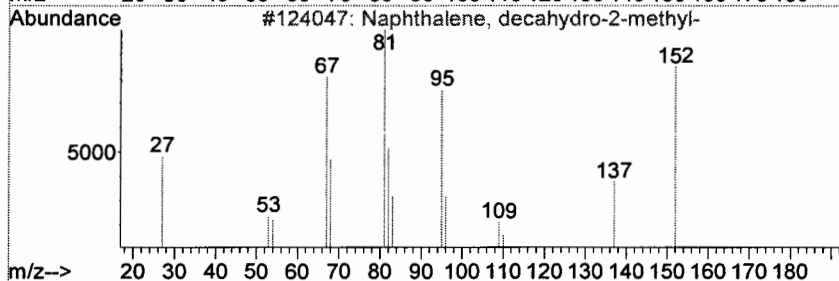
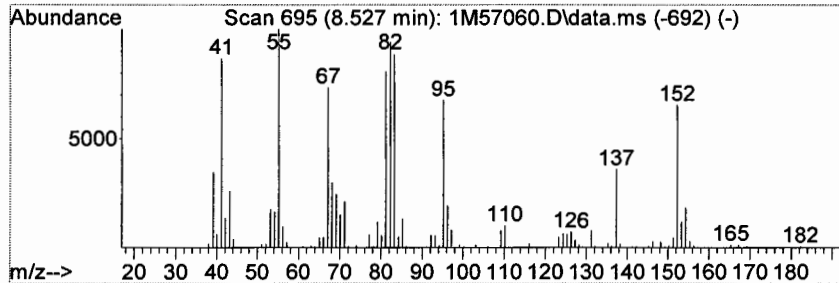
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 Quant Title : @GCMS_1,ug,624,8260

TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 9 Naphthalene, decahydro-2-me... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.53	190.34 ug/l	1272939	LibIS-1,4-Dichlorobenzene-d4	7.87

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	86
2		2-METHYLDECALIN (PROBABLY TRANS)	152	C11H20	002958-76-1	86
3		TRANS-ANTI-1-METHYL-DECAHYDRONAP...	152	C11H20	000000-00-0	43
4		CIS-SYN-2-METHYL-DECAHYDRONAPHTH...	152	C11H20	000000-00-0	43
5		Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	43



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-07-10\
 Data File : 1M57060.D
 Acq On : 7 May 2010 11:24
 Operator : SG
 Sample : AC51387-004
 Misc : S,5G!7
 ALS Vial : 19 Sample Multiplier: 1

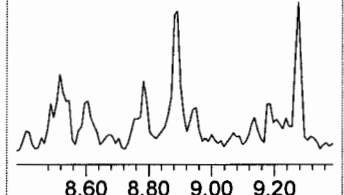
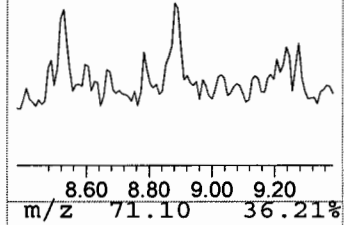
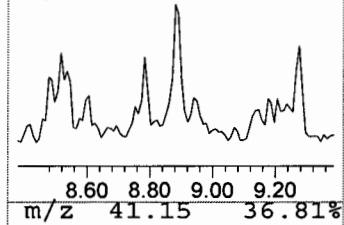
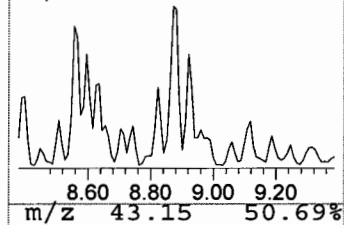
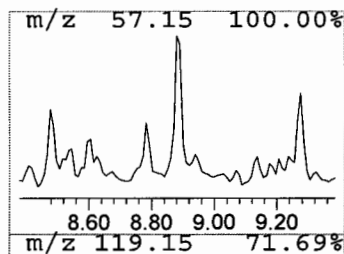
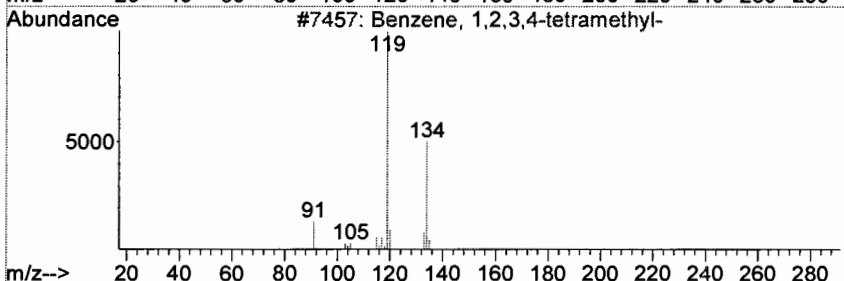
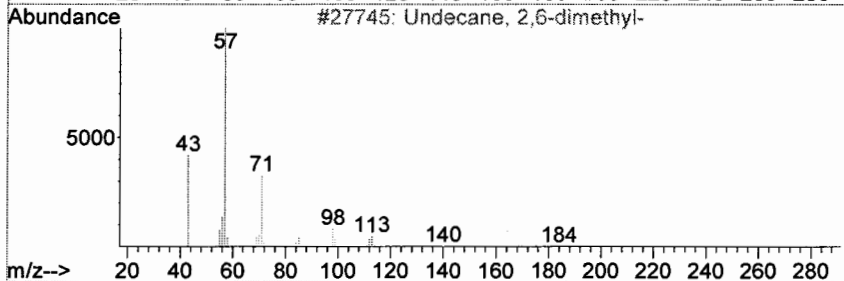
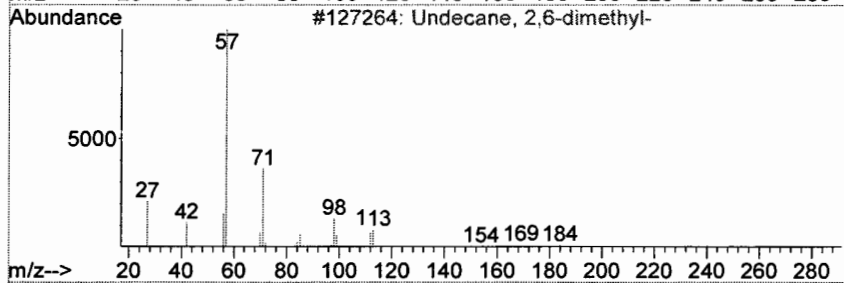
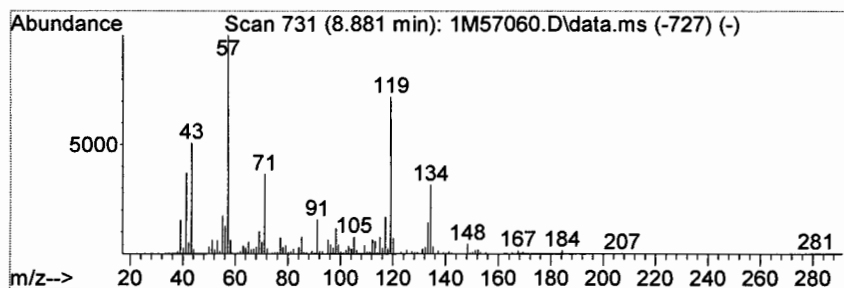
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TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 10 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.88	298.75 ug/l	1997931	LibIS-1,4-Dichlorobenzene-d4	7.87

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	38
2		Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	25
3		Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	50
4		Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	50
5		Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	50



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-07-10\
 Data File : 1M57060.D
 Acq On : 7 May 2010 11:24
 Operator : SG
 Sample : AC51387-004
 Misc : S,5G!7
 ALS Vial : 19 Sample Multiplier: 1

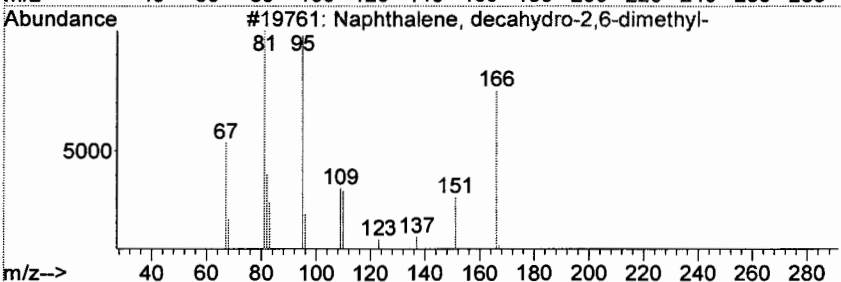
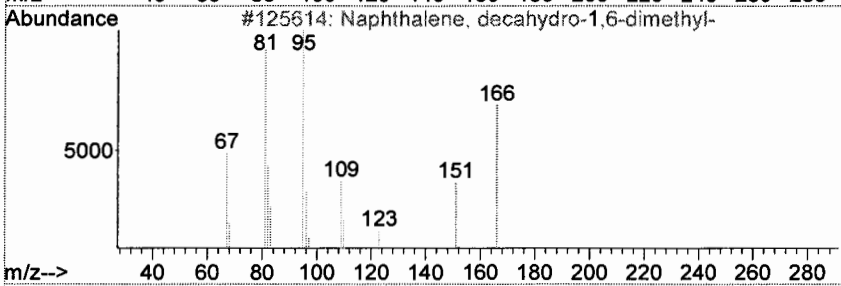
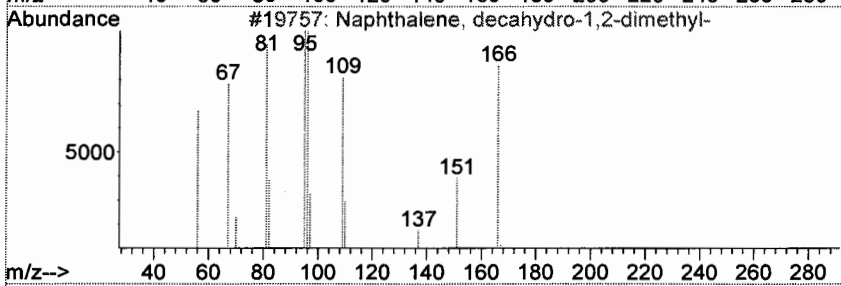
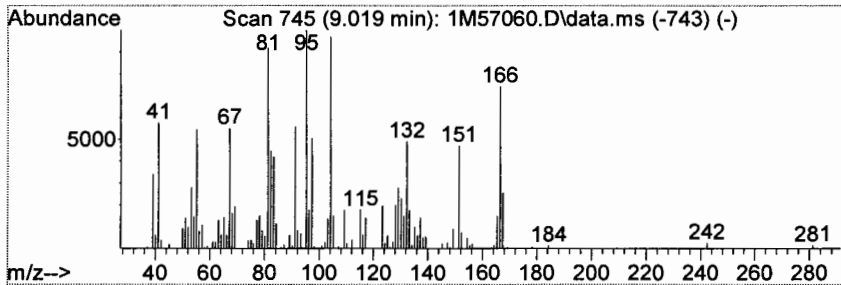
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 Quant Title : @GCMS_1,ug,624,8260

TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

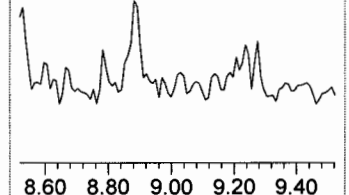
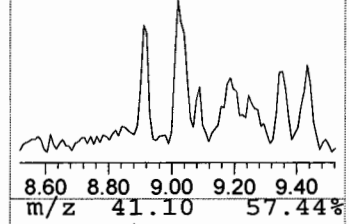
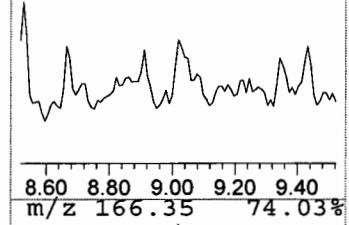
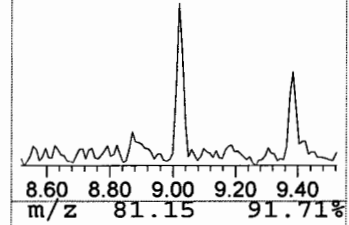
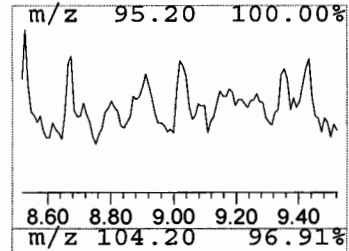
 Peak Number 11 Naphthalene, decahydro-1,6-... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.02	115.42 ug/l	771905	LibIS-1,4-Dichlorobenzene-d4	7.87

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, decahydro-1,2-dimet...	166	C12H22	003604-14-6	43
2			Naphthalene, decahydro-1,6-dimet...	166	C12H22	001750-51-2	53
3			Naphthalene, decahydro-2,6-dimet...	166	C12H22	001618-22-0	32
4			Naphthalene, decahydro-1,5-dimet...	166	C12H22	066552-62-3	22
5			4,5-Nonadiene, 2-methyl-	138	C10H18	055956-32-6	10



1M_S0430.M Wed May 12 12:24:20 2010 RPT1



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-07-10\
 Data File : 1M57060.D
 Acq On : 7 May 2010 11:24
 Operator : SG
 Sample : AC51387-004
 Misc : S,5G!7
 ALS Vial : 19 Sample Multiplier: 1

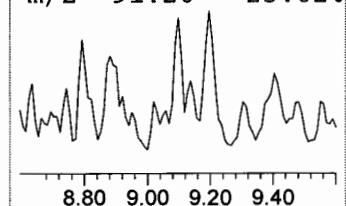
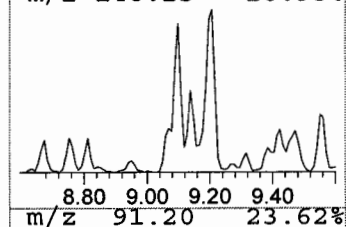
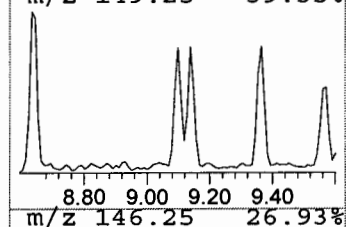
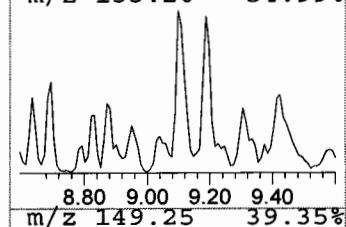
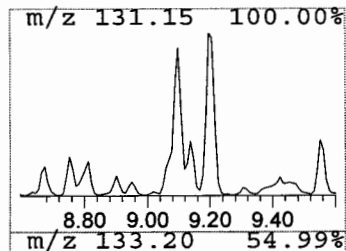
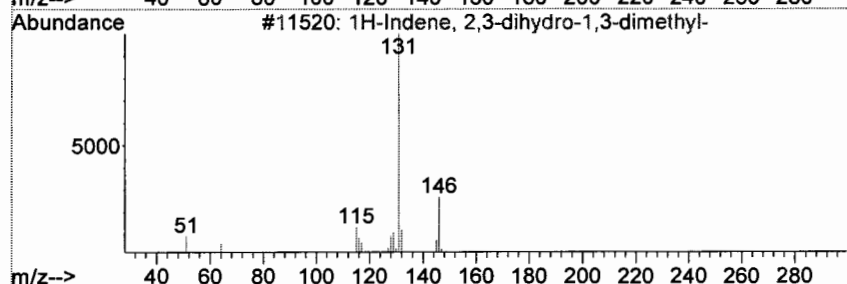
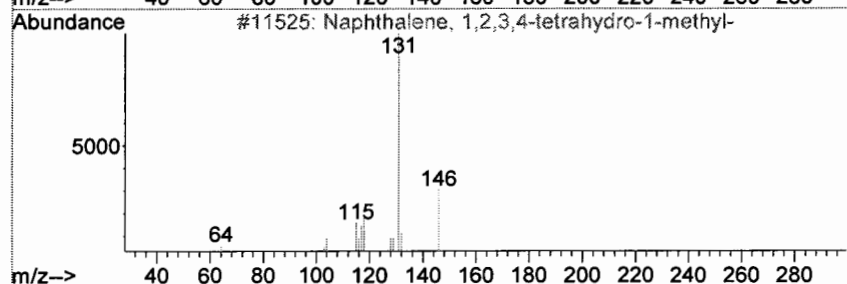
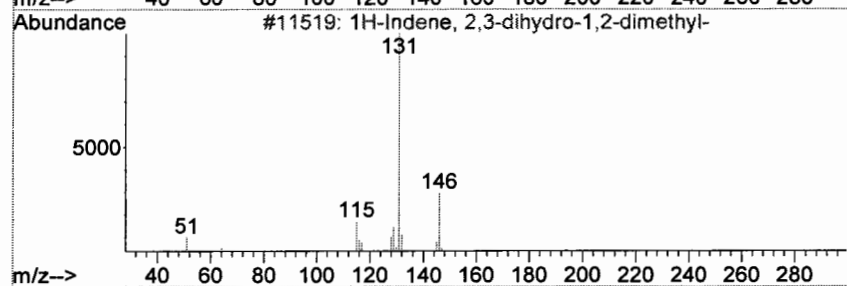
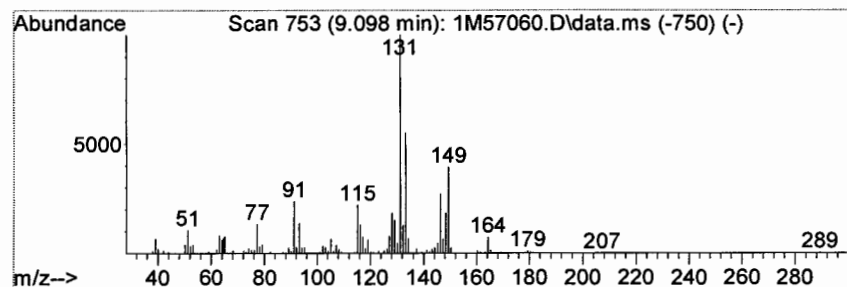
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 Quant Title : @GCMS_1,ug,624,8260

TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 12 1H-Indene, 2,3-dihydro-1,2-... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.10	139.72 ug/l	934402	LibIS-1,4-Dichlorobenzene-d4	7.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	53
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	46
3	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	60
4	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	43
5	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	49



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-07-10\
 Data File : 1M57060.D
 Acq On : 7 May 2010 11:24
 Operator : SG
 Sample : AC51387-004
 Misc : S,5G!7
 ALS Vial : 19 Sample Multiplier: 1

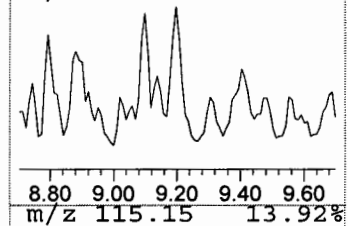
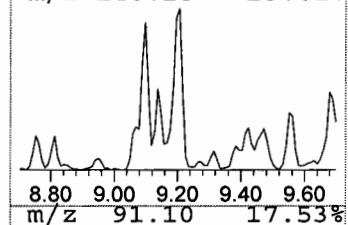
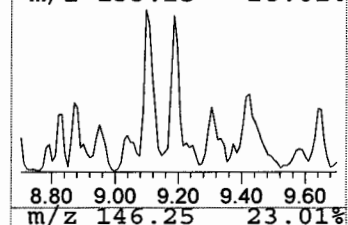
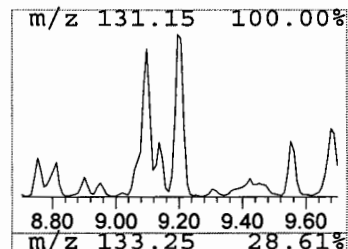
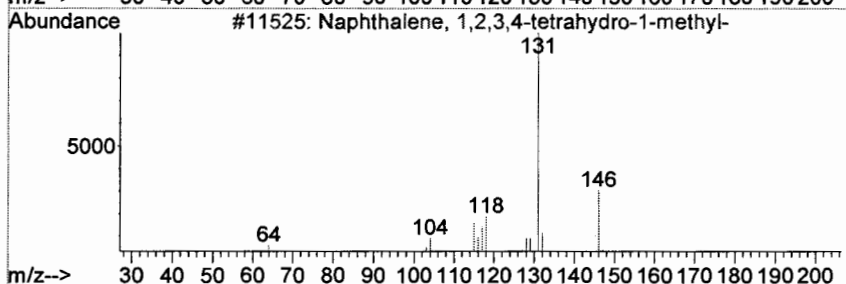
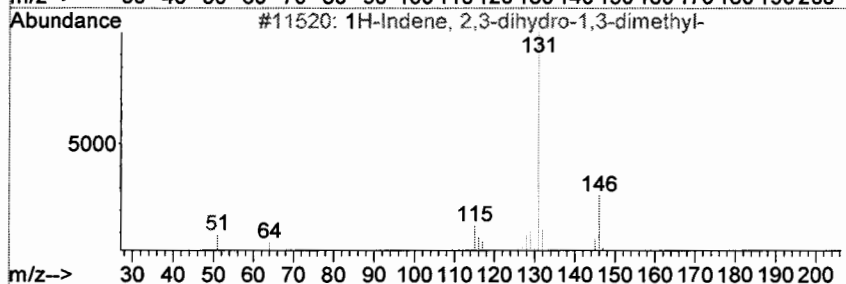
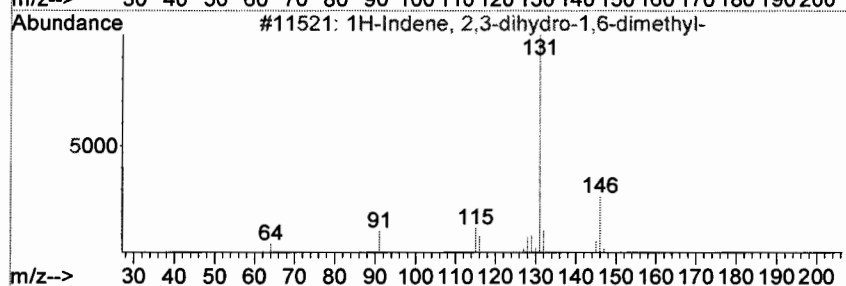
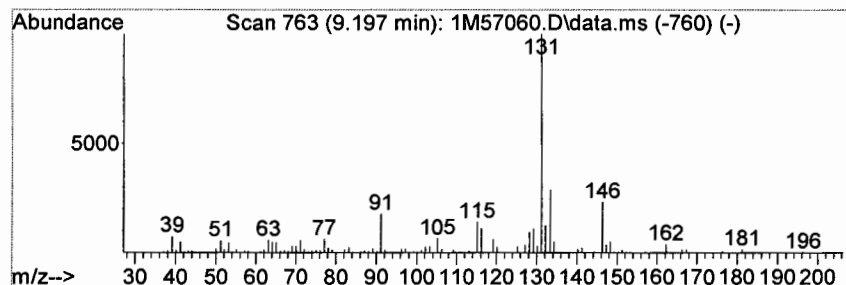
Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0430.M
 Quant Title : @GCMS_1,ug,624,8260

TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 13 1H-Indene, 2,3-dihydro-1,6-... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.20	194.15 ug/l	1298368	LibIS-1,4-Dichlorobenzene-d4	7.87

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	93
2			1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	49
3			Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	46
4			1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	46
5			Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	46



Tentatively Identified Compound (LSC) summary

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-07-10\
 Data File : 1M57060.D
 Acq On : 7 May 2010 11:24
 Operator : SG
 Sample : AC51387-004
 Misc : S,5G!7
 ALS Vial : 19 Sample Multiplier: 1

Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0430.M
 Quant Title : @GCMS_1,ug,624,8260

TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	-----Internal Standard-----				
					#	ExpRT	ActRt	Resp	Conc
unknown	6.96	102.1	ug/l	880223	2	6.45	6.45	258617	30.0
unknown	7.36	112.8	ug/l	754252	3	7.87	7.87	200628	30.0
unknown	7.79	271.5	ug/l	1815942	3	7.87	7.87	200628	30.0
unknown	7.90	122.2	ug/l	817249	3	7.87	7.87	200628	30.0
unknown	7.98	122.1	ug/l	816233	3	7.87	7.87	200628	30.0
Naphthalene, deca...	8.12	151.4	ug/l	1012613	3	7.87	7.87	200628	30.0
Benzene, 2-ethyl-...	8.30	162.1	ug/l	1084213	3	7.87	7.87	200628	30.0
1H-Indene, 2,3-di...	8.40	238.9	ug/l	1597745	3	7.87	7.87	200628	30.0
Naphthalene, deca...	8.53	190.3	ug/l	1272939	3	7.87	7.87	200628	30.0
Benzene, 1,2,3,4-...	8.88	298.8	ug/l	1997931	3	7.87	7.87	200628	30.0
Naphthalene, deca...	9.02	115.4	ug/l	771905	3	7.87	7.87	200628	30.0
1H-Indene, 2,3-di...	9.10	139.7	ug/l	934402	3	7.87	7.87	200628	30.0
1H-Indene, 2,3-di...	9.20	194.1	ug/l	1298368	3	7.87	7.87	200628	30.0

Form1

ORGANICS VOLATILE REPORT

Sample Number: AC51387-005(5X)

Client Id: PI-01-TP-RAU4DUP42910

Data File: 1M57019.D

Analysis Date: 05/06/10 12:52

Date Rec/Extracted: 05/03/10-NA

Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B

Matrix: Soil

Initial Vol: 1.03g

Final Vol: NA

Dilution: 4.85

Solids: 36

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.067	U	56-23-5	Carbon Tetrachloride	0.067	U
79-34-5	1,1,2,2-Tetrachloroethane	0.067	U	108-90-7	Chlorobenzene	0.067	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.067	U	75-00-3	Chloroethane	0.067	U
79-00-5	1,1,2-Trichloroethane	0.067	U	67-66-3	Chloroform	0.067	U
75-34-3	1,1-Dichloroethane	0.067	U	74-87-3	Chloromethane	0.067	U
75-35-4	1,1-Dichloroethene	0.067	U	156-59-2	cis-1,2-Dichloroethene	0.067	U
96-18-4	1,2,3-Trichloropropane	0.067	U	10061-01-5	cis-1,3-Dichloropropene	0.067	U
95-63-6	1,2,4-Trimethylbenzene	0.013	0.17	124-48-1	Dibromochloromethane	0.067	U
95-50-1	1,2-Dichlorobenzene	0.067	U	75-71-8	Dichlorodifluoromethane	0.067	U
107-06-2	1,2-Dichloroethane	0.067	U	100-41-4	Ethylbenzene	0.013	0.033
78-87-5	1,2-Dichloropropane	0.067	U	98-82-8	Isopropylbenzene	0.013	0.041
108-67-8	1,3,5-Trimethylbenzene	0.013	0.14	136777612	m&p-Xylenes	0.013	0.034
541-73-1	1,3-Dichlorobenzene	0.067	U	75-09-2	Methylene Chloride	0.067	U
142-28-9	1,3-Dichloropropane	0.067	U	1634-04-4	Methyl-t-butyl ether	0.013	U
106-46-7	1,4-Dichlorobenzene	0.067	U	104-51-8	n-Butylbenzene	0.013	0.27
123-91-1	1,4-Dioxane	3.4	U	103-65-1	n-Propylbenzene	0.013	0.081
78-93-3	2-Butanone	0.067	U	95-47-6	o-Xylene	0.013	0.064
110-75-8	2-Chloroethylvinylether	0.067	U	135-98-8	sec-Butylbenzene	0.013	U
591-78-6	2-Hexanone	0.067	U	100-42-5	Styrene	0.067	U
99-87-6	4-Isopropyltoluene	0.013	0.87	75-65-0	t-Butyl Alcohol	0.34	U
108-10-1	4-Methyl-2-Pentanone	0.067	U	98-06-6	t-Butylbenzene	0.013	U
67-64-1	Acetone	0.34	2.0	127-18-4	Tetrachloroethene	0.067	U
107-02-8	Acrolein	0.34	U	108-88-3	Toluene	0.013	0.016
107-13-1	Acrylonitrile	0.067	U	156-60-5	trans-1,2-Dichloroethene	0.067	U
71-43-2	Benzene	0.013	U	10061-02-6	trans-1,3-Dichloropropene	0.067	U
75-27-4	Bromodichloromethane	0.067	U	79-01-6	Trichloroethene	0.067	U
75-25-2	Bromofom	0.067	U	75-69-4	Trichlorofluoromethane	0.067	U
74-83-9	Bromomethane	0.067	U	75-01-4	Vinyl Chloride	0.067	U
75-15-0	Carbon Disulfide	0.067	U	1330-20-7	Xylenes (Total)	0.013	0.098

Worksheet #: 151241

Total Target Concentration 3.7

ColumnID: (^) Indicates results from 2nd column

*U - Indicates the compound was analyzed but not detected.**B - Indicates the analyte was found in the blank as well as in the sample.**E - Indicates the analyte concentration exceeds the calibration range of the instrument.**R - Retention Time Out**J - Indicates an estimated value when a compound is detected at less than the specified detection limit.**d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.*

Form1eORGANICS VOLATILE REPORT
Tentatively Identified Compounds

Sample Number: AC51387-005(5X)	Matrix: Soil
Client Id: PI-01-TP-RAU4DUP429	Initial Vol: 1.03g
Data File: 1M57019.D	Final Vol: NA
Analysis Date: 05/06/10 12:52	Dilution: 4.85
Date Rec/Extracted: 05/03/10-NA	Solids: 36
	Method: EPA 8260B

Units: mg/Kg

	Cas #	Compound	RT	Conc
1	620-14-4	Benzene, 1-ethyl-3-methyl-	7.37	0.38 J
2	611-14-3	Benzene, 1-ethyl-2-methyl-	7.54	0.24 J
3	95-63-6	Benzene, 1,2,4-trimethyl-	7.91	0.40 J
4		unknown	8.06	0.64 J
5	1758-88-9	Benzene, 2-ethyl-1,4-dimethyl-	8.31	0.25 J
6	767-58-8	1H-Indene, 2,3-dihydro-1-methyl-	8.42	0.41 J
7	538-68-1	Benzene, pentyl-	8.80	0.74 J
8	824-22-6	1H-Indene, 2,3-dihydro-4-methyl-	8.91	1.2 J
9	17057-82-8	1H-Indene, 2,3-dihydro-1,2-dimethyl-	9.11	0.34 J
10	17059-48-2	1H-Indene, 2,3-dihydro-1,6-dimethyl-	9.21	0.44 J

Worksheet #: 151241

Total Tentatively Identified Concentration 5*A - Indicates an aldol condensate.**J - Indicates an estimated value.**B - Indicates the analyte was found in the blank as well as in the sample.**Y - Indicates the analyte was found in the blank at <10% of the concentration of the sample.**<10% - Indicates the analyte was found in the blank at < 10% of nearest Internal Standard*

Quantitation Report (QT/LSC Reviewed)

SampleID : AC51387-005(5X) Operator : WP Qt Meth : 1M_S0430.M
 Data File: 1M57019.D Sam Mult : 1 Vial# : 20 Qt On : 05/06/10 13:21
 Acq On : 05/ 6/10 12:52 Misc : S,5G!7 Qt Upd On: 05/03/10 08:36

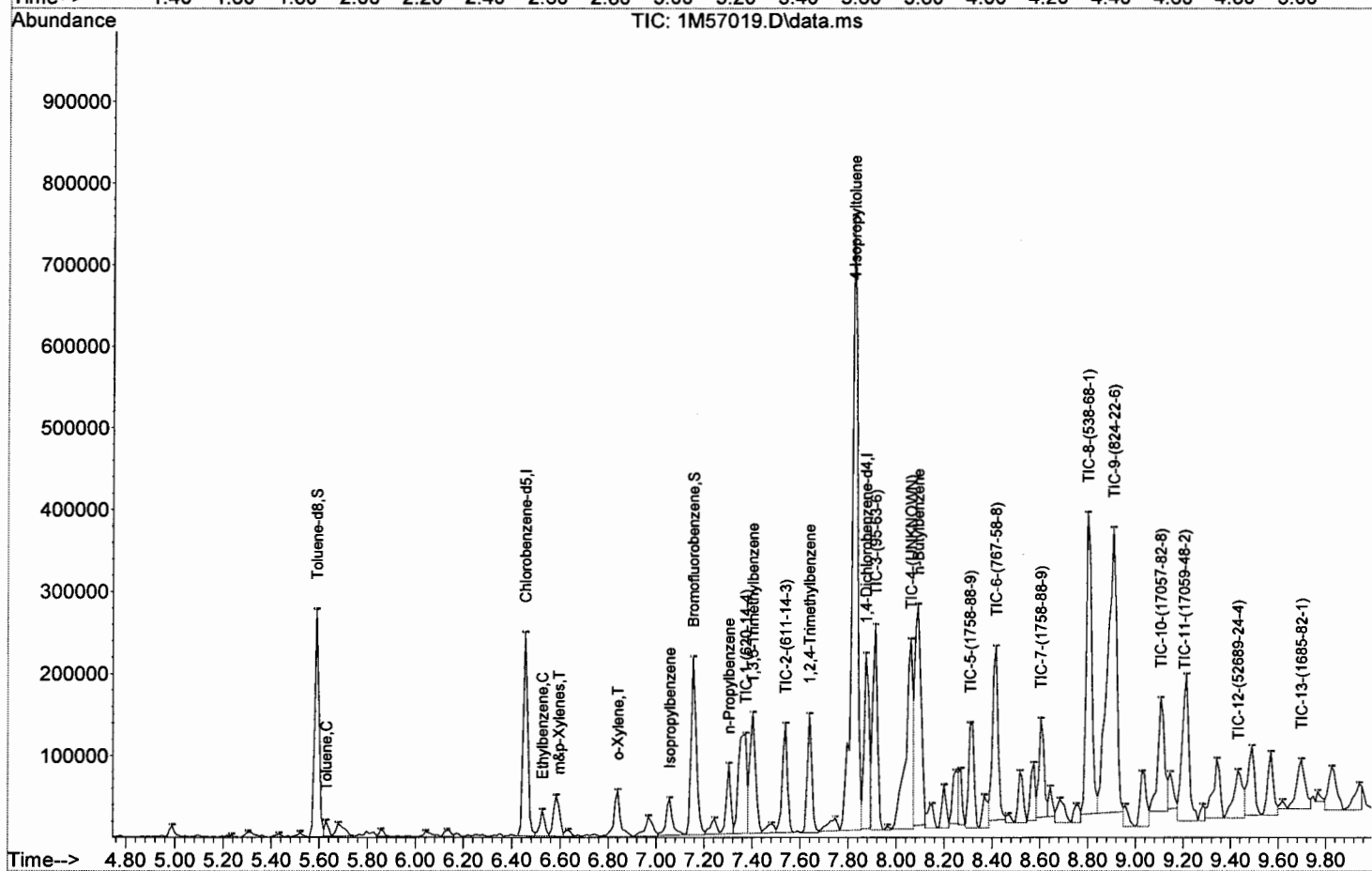
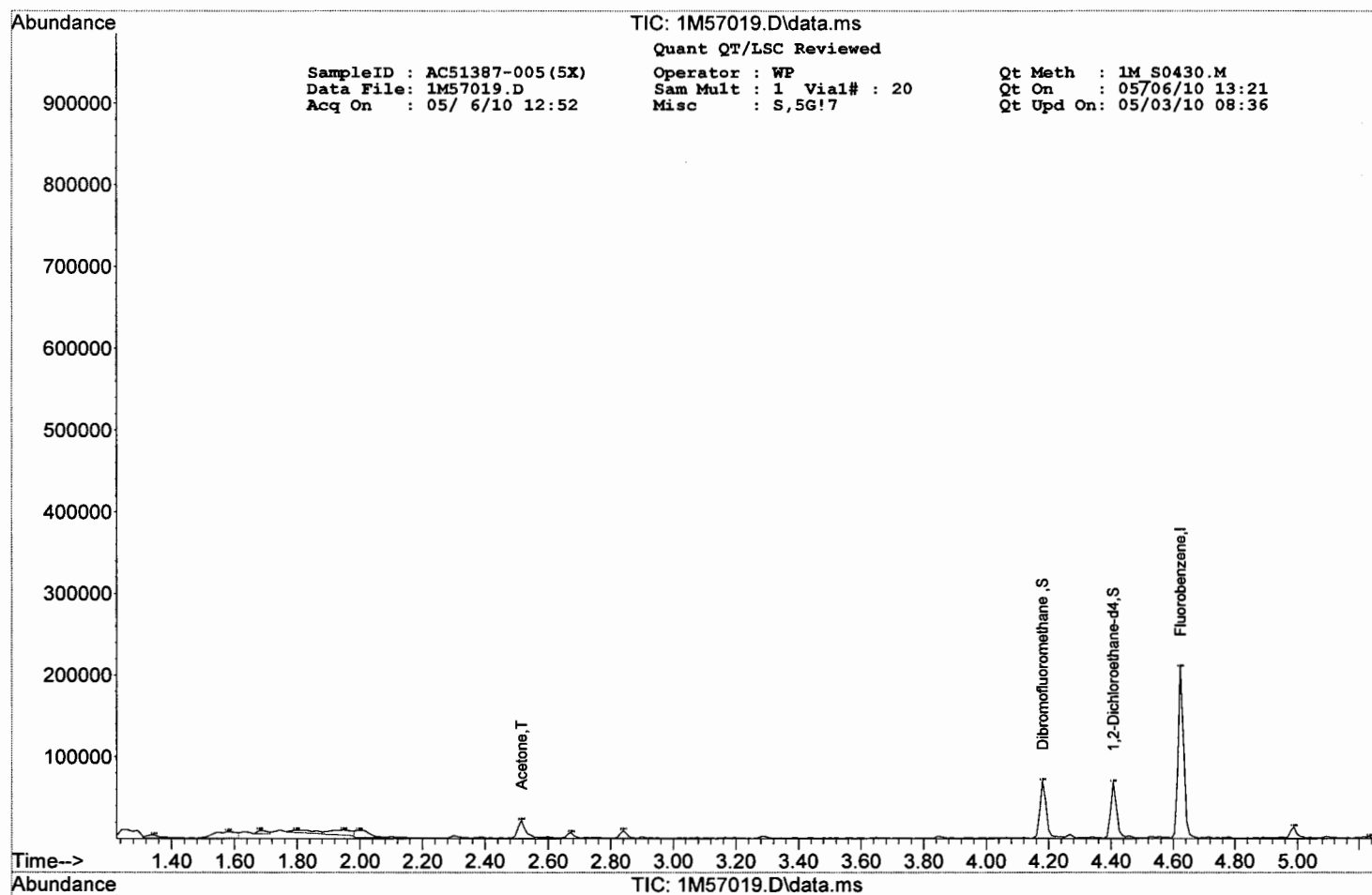
Data Path : G:\GcMsData\2010\GCMS_1\Data\05-06-10\
 Qt Path : G:\GcMsData\2010\GCMS_1\MethodQt\
 Qt Resp Via : Initial Calibration

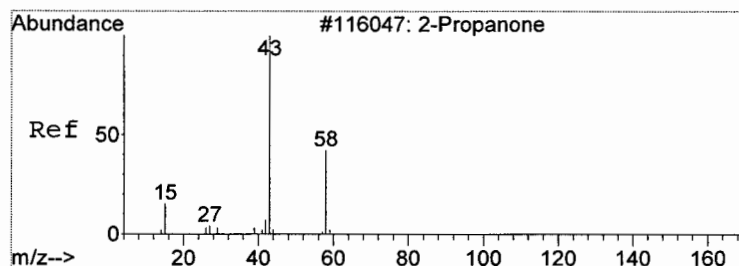
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
4) Fluorobenzene	4.624	96	99719	30.00	ug/l	0.02
48) Chlorobenzene-d5	6.456	117	91766	30.00	ug/l	0.02
63) 1,4-Dichlorobenzene-d4	7.875	152	55939	30.00	ug/l	0.02
System Monitoring Compounds						
33) Dibromofluoromethane	4.181	111	27547	31.65	ug/l	0.02
Spiked Amount 30.000			Recovery	=	105.50%	
35) 1,2-Dichloroethane-d4	4.407	102	5458	32.05	ug/l	0.02
Spiked Amount 30.000			Recovery	=	106.83%	
59) Toluene-d8	5.589	100	76300	28.34	ug/l	0.02
Spiked Amount 30.000			Recovery	=	94.47%	
67) Bromofluorobenzene	7.156	174	54990	32.54	ug/l	0.02
Spiked Amount 30.000			Recovery	=	108.47%	
Target Compounds						
17) Acetone	2.515	43	24033	146.63	ug/l	93
60) Toluene	5.629	92	4085	1.21	ug/l	70
65) Ethylbenzene	6.525	106	3703	2.44	ug/l	78
69) m&p-Xylenes	6.594	106	5871	2.52	ug/l	76
70) o-Xylene	6.841	106	10780	4.78	ug/l	88
75) Isopropylbenzene	7.057	105	19020	3.01	ug/l	92
81) n-Propylbenzene	7.304	91	47902	5.97	ug/l	99
83) 1,3,5-Trimethylbenzene	7.402	105	54158	10.17	ug/l	98
85) 1,2,4-Trimethylbenzene	7.639	105	66515	12.49	ug/l	83
87) 4-Isopropyltoluene	7.826	119	348345m	64.34	ug/l	
88) n-Butylbenzene	8.092	91	135988m	20.34	ug/l	
Library Search Internal Standards TIC Results						
1) Fluorobenzene	4.624		260833	30.00	ug/l	--
2) Chlorobenzene-d5	6.456		321346	30.00	ug/l	--
3) 1,4-Dichlorobenzene-d4	7.875		326430	30.00	ug/l	--
Library Search Compounds						
1) 620-14-4	7.370		305028	28.03	ug/l	76
2) 611-14-3	7.540		195608	17.98	ug/l	95
3) 95-63-6	7.910		323007	29.69	ug/l	94
4) UNKNOWN	8.060		515817	47.41	ug/l	--
5) 1758-88-9	8.310		198673	18.26	ug/l	91
6) 767-58-8	8.420		334358	30.73	ug/l	83
7) 1758-88-9	8.600		178157	16.37	ug/l	87
8) 538-68-1	8.800		595720	54.75	ug/l	55
9) 824-22-6	8.910		931335	85.59	ug/l	87
10) 17057-82-8	9.110		272052	25.00	ug/l	90
11) 17059-48-2	9.210		356772	32.79	ug/l	90
12) 52689-24-4	9.430		165046	15.17	ug/l	49
13) 1685-82-1	9.700		152906	14.05	ug/l	43

(#) = qualifier out of range (m) = manual integration (+) = signals summed

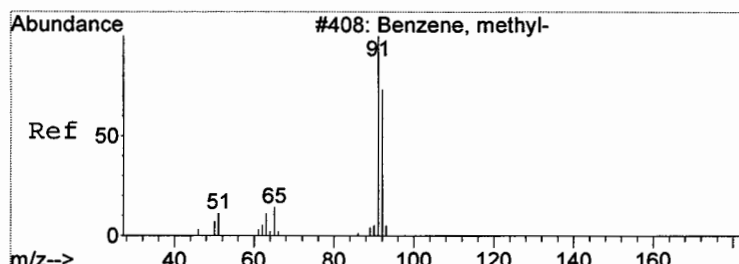
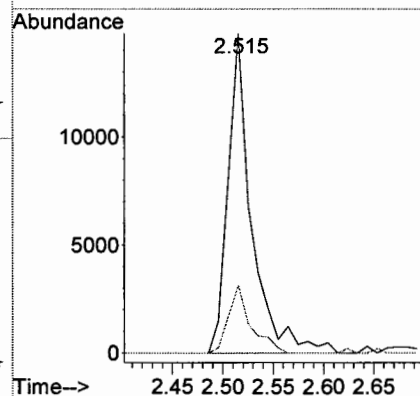
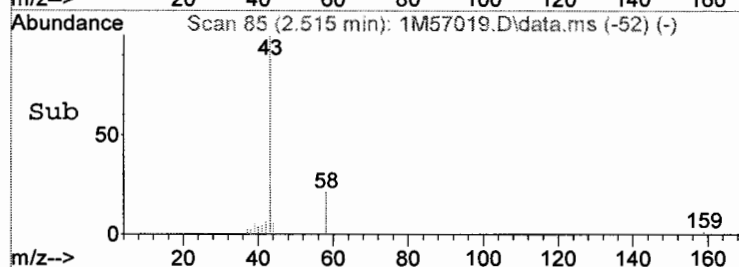
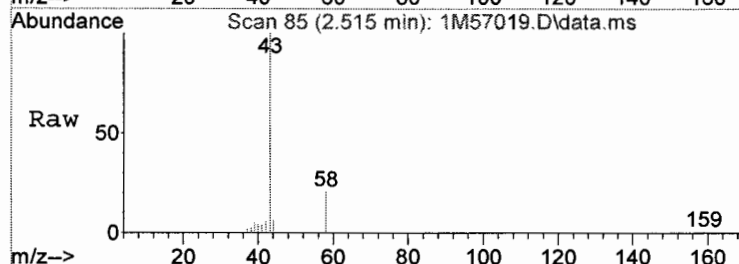
be





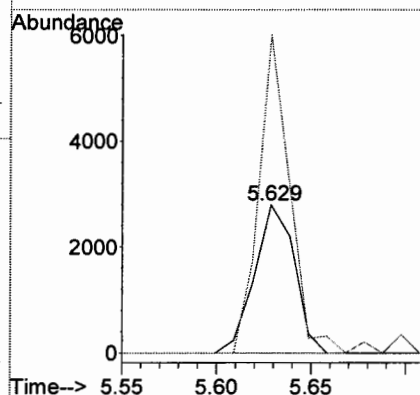
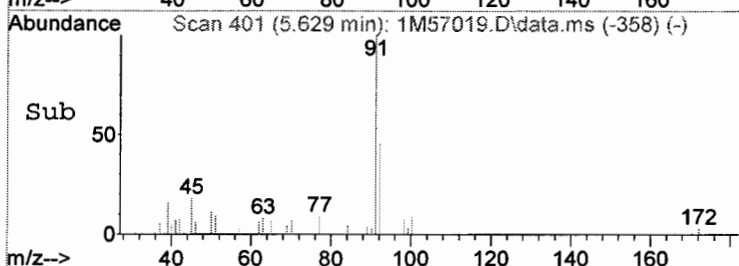
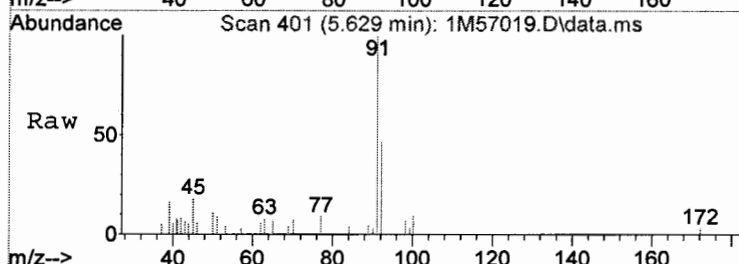
#17
Acetone
Concen: 146.63 ug/l
RT: 2.515 min Scan# 85
Delta R.T. 0.040 min
Lab File: 1M57019.D
Acq: 6 May 2010 12:52

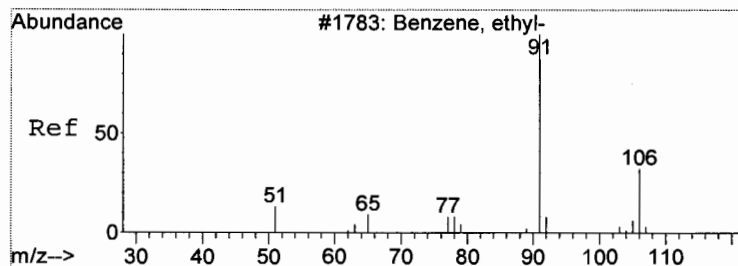
Tgt Ion: 43 Resp: 24033
Ion Ratio Lower Upper
43 100
58 21.2 0.0 64.8



#60
Toluene
Concen: 1.21 ug/l
RT: 5.629 min Scan# 401
Delta R.T. 0.021 min
Lab File: 1M57019.D
Acq: 6 May 2010 12:52

Tgt Ion: 92 Resp: 4085
Ion Ratio Lower Upper
92 100
91 215.5 104.1 242.9





#65

Ethylbenzene

Concen: 2.44 ug/l

RT: 6.525 min Scan# 492

Delta R.T. 0.020 min

Lab File: 1M57019.D

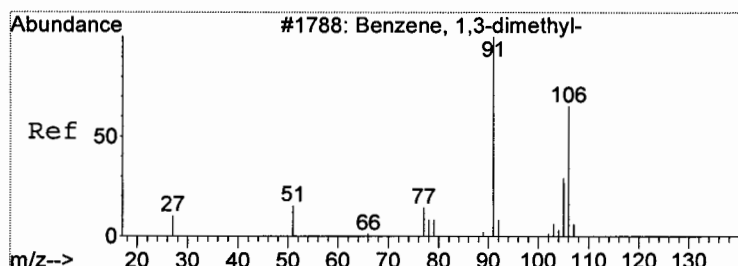
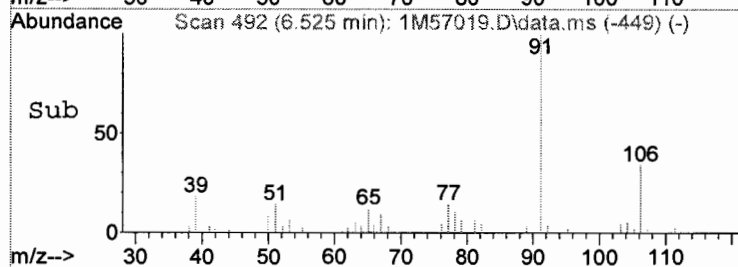
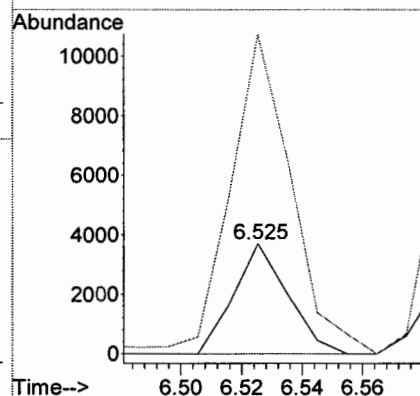
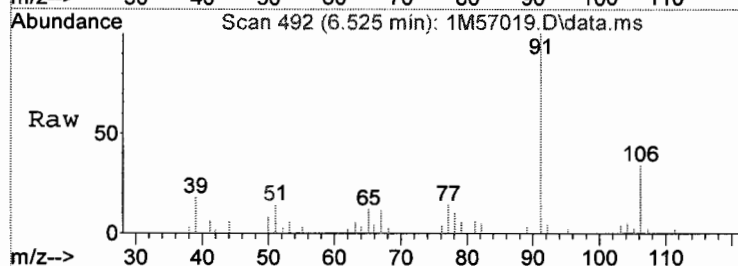
Acq: 6 May 2010 12:52

Tgt Ion:106 Resp: 3703

Ion Ratio Lower Upper

106 100

91 274.5 191.5 446.7



#69

m&p-Xylenes

Concen: 2.52 ug/l

RT: 6.594 min Scan# 499

Delta R.T. 0.020 min

Lab File: 1M57019.D

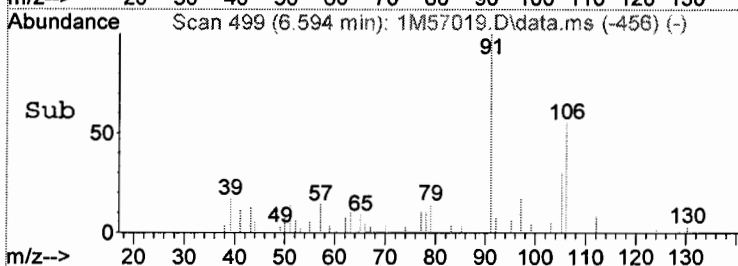
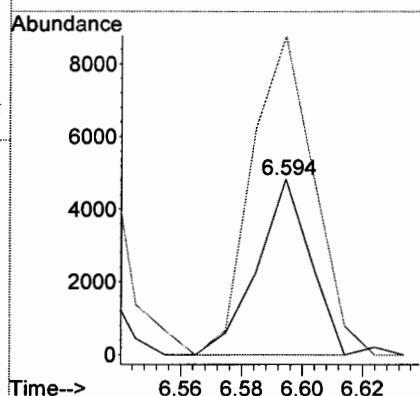
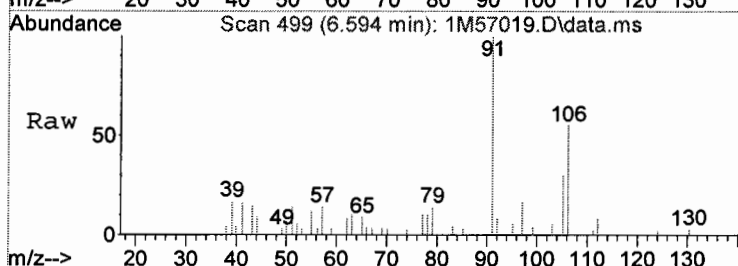
Acq: 6 May 2010 12:52

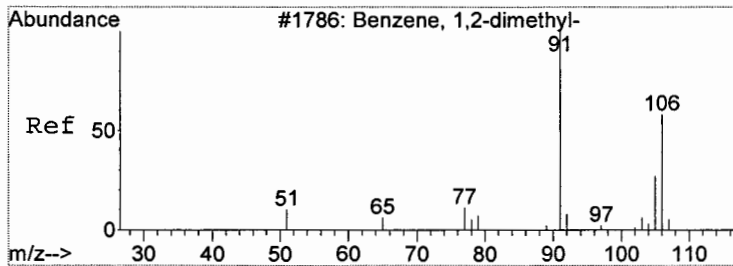
Tgt Ion:106 Resp: 5871

Ion Ratio Lower Upper

106 100

91 181.7 132.0 308.0





#70

o-Xylene

Concen: 4.78 ug/l

RT: 6.841 min Scan# 524

Delta R.T. 0.020 min

Lab File: 1M57019.D

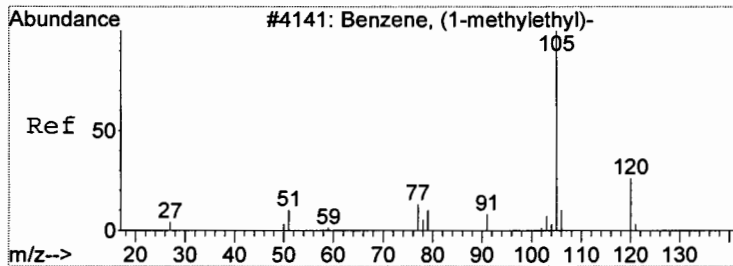
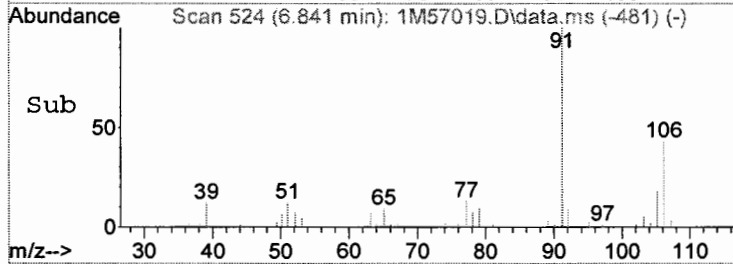
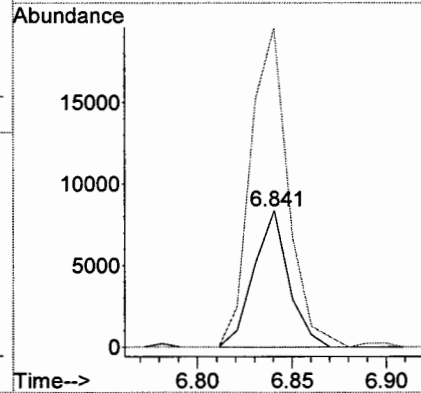
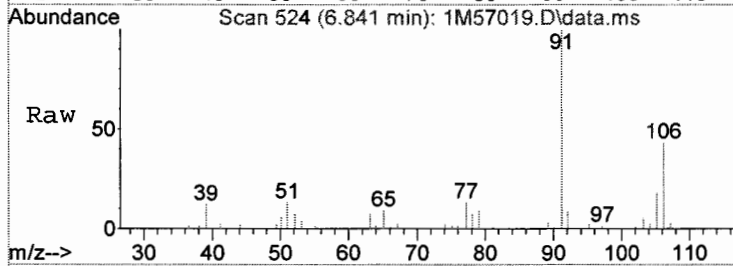
Acq: 6 May 2010 12:52

Tgt Ion:106 Resp: 10780

Ion Ratio Lower Upper

106 100

91 234.0 129.1 301.1



#75

Isopropylbenzene

Concen: 3.01 ug/l

RT: 7.057 min Scan# 546

Delta R.T. 0.020 min

Lab File: 1M57019.D

Acq: 6 May 2010 12:52

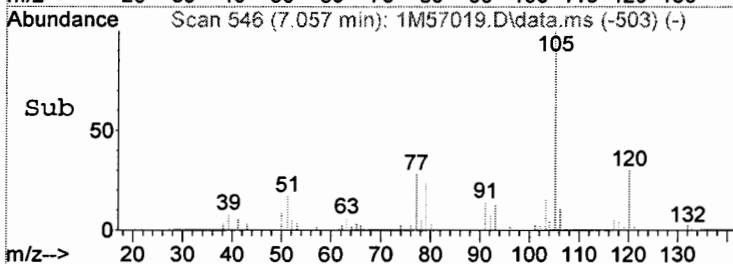
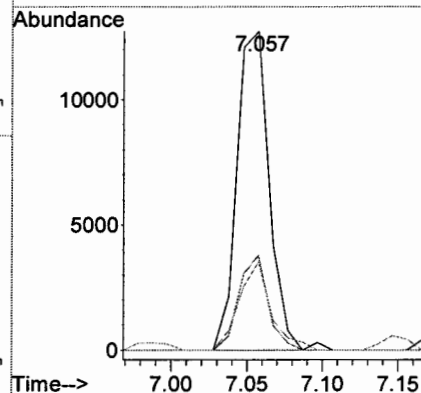
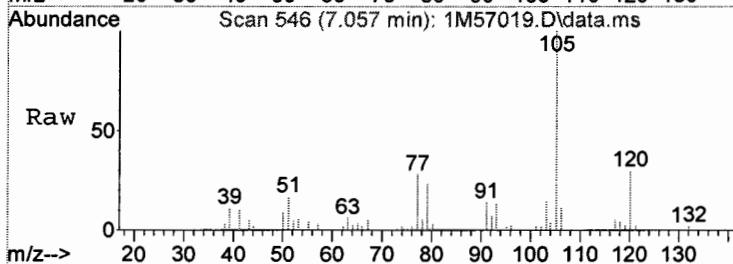
Tgt Ion:105 Resp: 19020

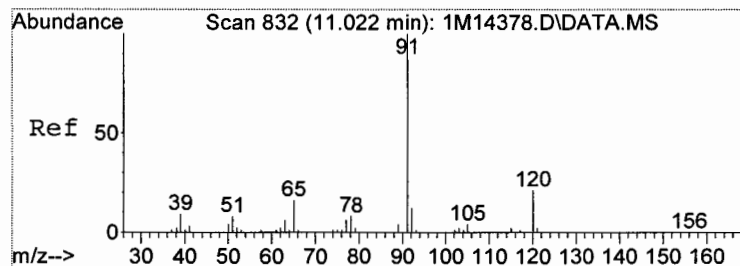
Ion Ratio Lower Upper

105 100

120 26.8 0.0 66.9

77 27.2 0.0 58.3





#81

n-Propylbenzene

Concen: 5.97 ug/l

RT: 7.304 min Scan# 571

Delta R.T. 0.021 min

Lab File: 1M57019.D

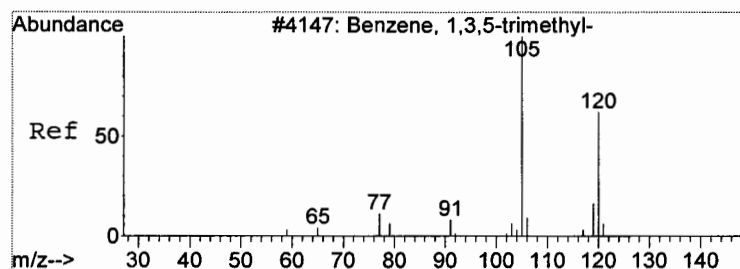
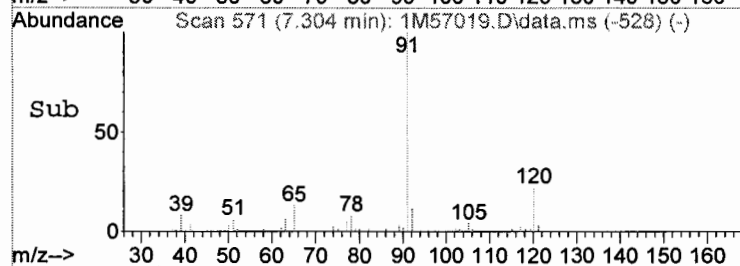
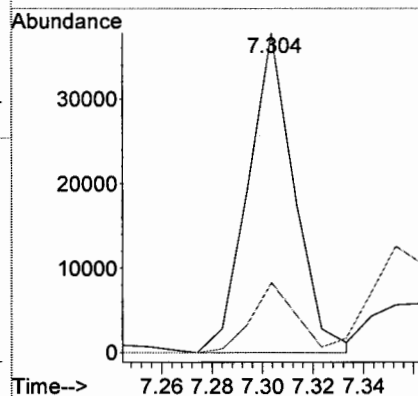
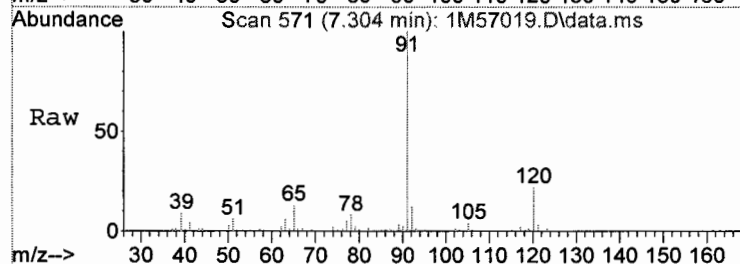
Acq: 6 May 2010 12:52

Tgt Ion: 91 Resp: 47902

Ion Ratio Lower Upper

91 100

120 21.0 0.0 61.6



#83

1,3,5-Trimethylbenzene

Concen: 10.17 ug/l

RT: 7.402 min Scan# 581

Delta R.T. 0.020 min

Lab File: 1M57019.D

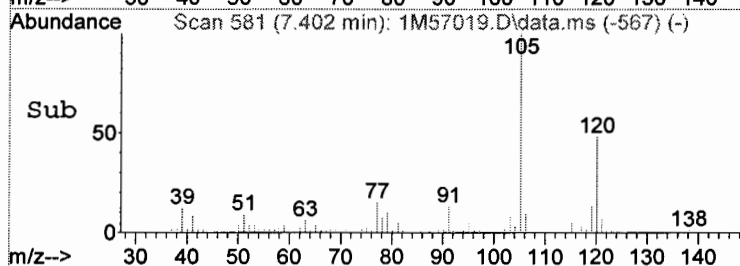
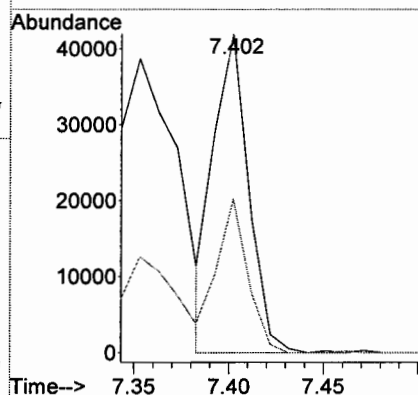
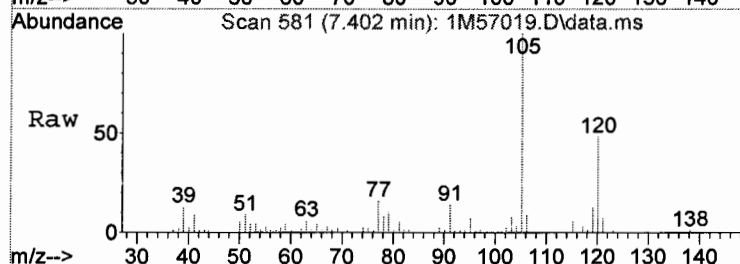
Acq: 6 May 2010 12:52

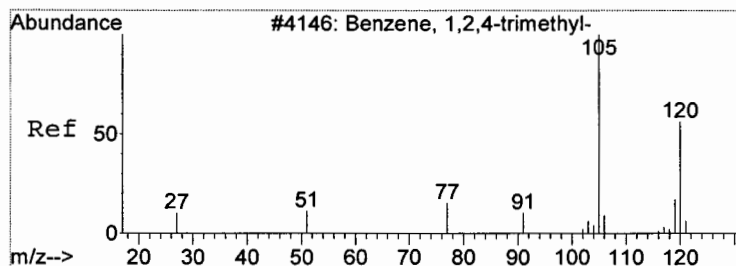
Tgt Ion: 105 Resp: 54158

Ion Ratio Lower Upper

105 100

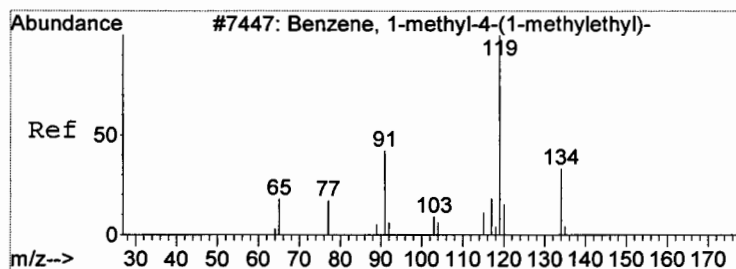
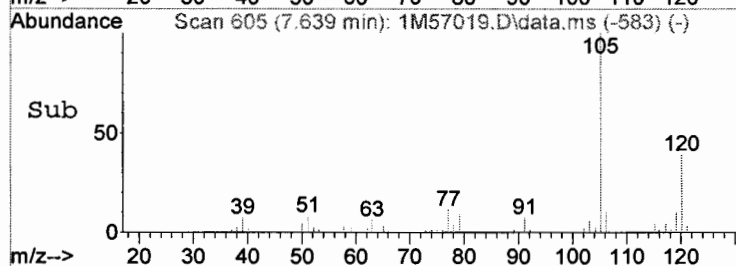
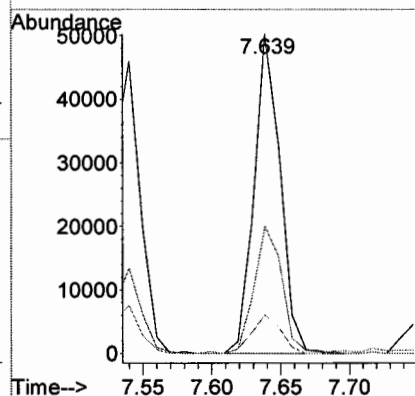
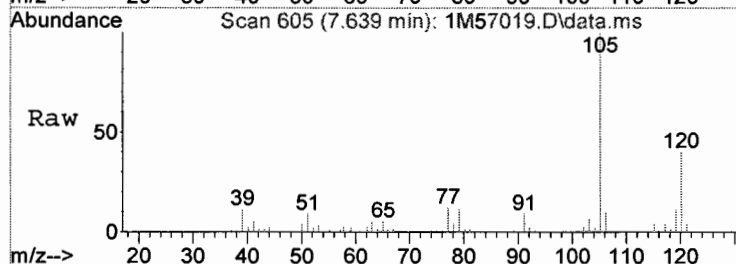
120 42.8 0.0 94.0





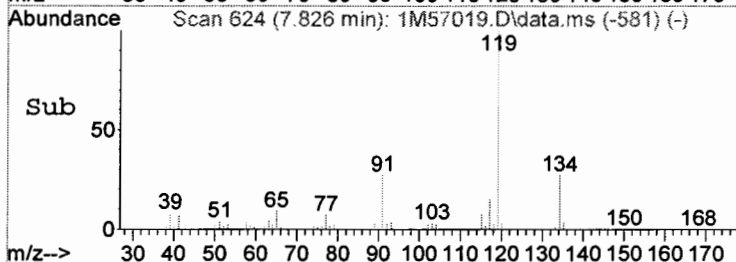
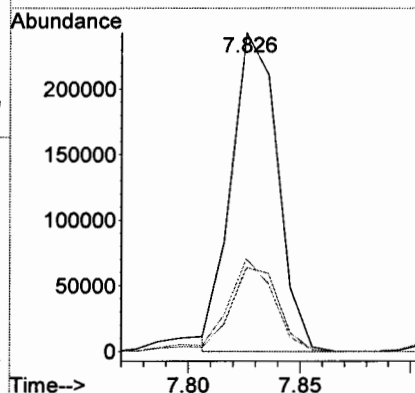
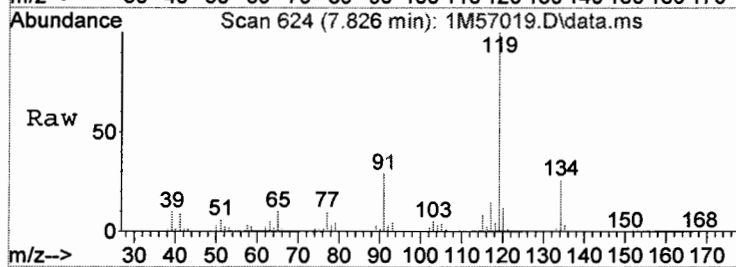
#85
1,2,4-Trimethylbenzene
Concen: 12.49 ug/l
RT: 7.639 min Scan# 605
Delta R.T. 0.020 min
Lab File: 1M57019.D
Acq: 6 May 2010 12:52

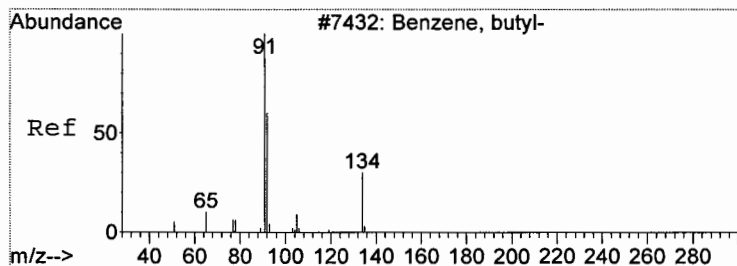
Tgt Ion	Ratio	Lower	Upper
105	100		
120	42.4	12.2	92.2
77	13.7	0.0	66.0



#87
4-Isopropyltoluene
Concen: 64.34 ug/l m
RT: 7.826 min Scan# 624
Delta R.T. 0.020 min
Lab File: 1M57019.D
Acq: 6 May 2010 12:52

Tgt Ion	Ratio	Lower	Upper
119	100		
134	28.6	0.0	66.7
91	29.3	0.0	66.3





#88

n-Butylbenzene

Concen: 20.34 ug/l m

RT: 8.092 min Scan# 651

Delta R.T. 0.020 min

Lab File: 1M57019.D

Acq: 6 May 2010 12:52

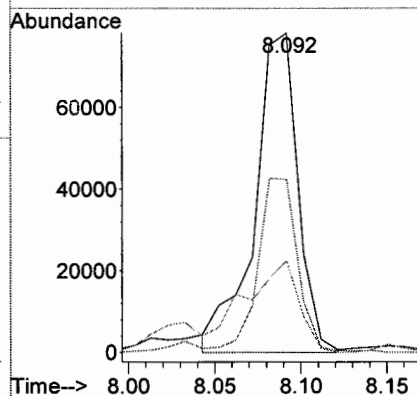
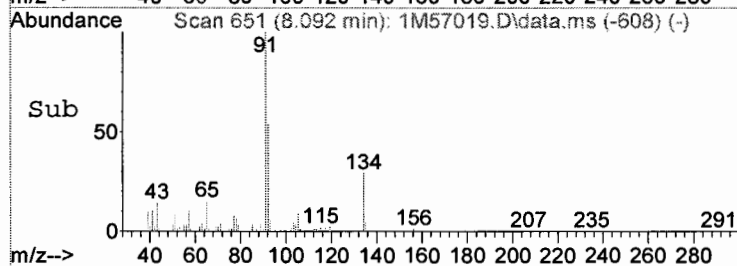
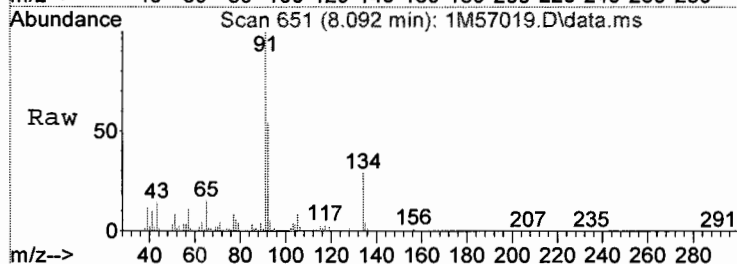
Tgt Ion: 91 Resp: 135988

Ion Ratio Lower Upper

91 100

92 50.1 8.4 88.4

134 46.8 3.6 83.6



Data Path : G:\GcMsData\2010\GCMS_1\Data\05-06-10\
 Data File : 1M57019.D
 Acq On : 6 May 2010 12:52
 Operator : WP
 Sample : AC51387-005(5X)
 Misc : S,5G!7
 ALS Vial : 20 Sample Multiplier: 1

Integration Parameters: RTEINT.P

Integrator: RTE

Soothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 1000 Area counts

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0430.M
 Title : @GCMS_1,ug,624,8260

Signal : TIC: 1M57019.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.345	6	8	16	rVB2	3694	12336	1.00%	0.112%
2	1.579	16	22	24	rBV2	8191	43522	3.55%	0.396%
3	1.680	27	28	30	rBV	4342	10079	0.82%	0.092%
4	1.797	33	35	40	rVV5	2591	18638	1.52%	0.170%
5	1.948	40	44	46	rVV4	6241	31349	2.55%	0.286%
6	1.998	46	47	52	rVB3	8593	23715	1.93%	0.216%
7	2.515	80	85	89	rBV	21891	36797	3.00%	0.335%
8	2.673	96	101	104	rVB	6706	10667	0.87%	0.097%
9	2.841	115	118	123	rVB2	9410	14510	1.18%	0.132%
10	4.181	251	254	258	rBV	70042	98859	8.05%	0.901%
11	4.407	274	277	281	rBV	68147	89944	7.33%	0.819%
12	4.624	296	299	305	rBV	209748	262961	21.42%	2.396%
13	4.988	333	336	340	rVB3	14079	21428	1.75%	0.195%
14	5.235	355	361	362	rBV	2360	5738	0.47%	0.052%
15	5.304	364	368	373	rBV3	6183	16381	1.33%	0.149%
16	5.432	376	381	384	rBV	3428	6410	0.52%	0.058%
17	5.520	386	390	394	rBV3	4797	7484	0.61%	0.068%
18	5.589	394	397	400	rBV	275958	346074	28.19%	3.153%
19	5.629	400	401	404	rVV	18490	19499	1.59%	0.178%
20	5.678	404	406	413	rVB4	15418	37794	3.08%	0.344%
21	5.855	422	424	430	rVB2	7747	11762	0.96%	0.107%
22	6.043	438	443	447	rBV2	6251	15196	1.24%	0.138%
23	6.131	449	452	455	rBV2	7228	15246	1.24%	0.139%
24	6.456	482	485	489	rBV	247032	322034	26.23%	2.934%
25	6.525	489	492	495	rVV2	31684	45957	3.74%	0.419%
26	6.584	495	498	501	rVV3	48893	88501	7.21%	0.806%
27	6.634	501	503	506	rVB3	7405	12523	1.02%	0.114%
28	6.841	517	524	531	rBV	56133	103386	8.42%	0.942%
29	6.969	531	537	541	rBV3	23641	56449	4.60%	0.514%
30	7.057	541	546	553	rVB2	44526	84993	6.92%	0.774%
31	7.156	553	556	561	rBV2	216059	328541	26.76%	2.993%
32	7.245	561	565	567	rVV2	18734	35340	2.88%	0.322%
33	7.304	567	571	573	rVV	84829	108505	8.84%	0.988%
34	7.373	573	578	579	rVV2	120927	305028	24.85%	2.779%
35	7.402	579	581	585	rVV2	145933	231775	18.88%	2.111%

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-06-10\
 Data File : 1M57019.D
 Acq On : 6 May 2010 12:52
 Operator : WP
 Sample : AC51387-005(5X)
 Misc : S,5G!7
 ALS Vial : 20 Sample Multiplier: 1

Integration Parameters: RTEINT.P

Integrator: RTE
 Smoothing : ON
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0

Filtering: 5
 Min Area: 1000 Area counts
 Max Peaks: 100
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0430.M
 Title : @GCMS_1,ug,624,8260

36	7.481	585	589	591	rVV4	10995	27612	2.25%	0.252%
37	7.540	591	595	599	rVB	131797	195608	15.93%	1.782%
38	7.639	602	605	609	rBV	143881	191609	15.61%	1.746%
39	7.747	609	616	618	rVV4	16633	43998	3.58%	0.401%
40	7.826	618	624	627	rVV	748680	1227563	100.00%	11.183%
41	7.875	627	629	631	rVV	212503	323770	26.38%	2.950%
42	7.914	631	633	636	rVB	248778	323007	26.31%	2.943%
43	7.964	636	638	640	rBV3	4644	5603	0.46%	0.051%
44	8.062	640	648	649	rBV3	230255	515817	42.02%	4.699%
45	8.092	649	651	654	rVV2	267984	455717	37.12%	4.152%
46	8.151	654	657	659	rVB2	28574	49869	4.06%	0.454%
47	8.200	659	662	664	rBV	51387	66857	5.45%	0.609%
48	8.249	664	667	668	rBV2	64005	118127	9.62%	1.076%
49	8.269	668	669	671	rVB	67786	50538	4.12%	0.460%
50	8.309	671	673	677	rVB	126707	198673	16.18%	1.810%
51	8.368	677	679	681	rBV2	38736	70174	5.72%	0.639%
52	8.417	681	684	688	rVV2	210729	334358	27.24%	3.046%
53	8.466	688	689	692	rVB3	9746	12351	1.01%	0.113%
54	8.515	692	694	697	rBV	62049	92613	7.54%	0.844%
55	8.575	697	700	701	rBV	69100	99169	8.08%	0.903%
56	8.604	701	703	706	rVV	119315	178157	14.51%	1.623%
57	8.644	706	707	709	rVV	35795	33714	2.75%	0.307%
58	8.683	709	711	716	rVB3	28955	63864	5.20%	0.582%
59	8.752	716	718	720	rBV3	21897	42289	3.44%	0.385%
60	8.801	720	723	727	rVV2	366263	595720	48.53%	5.427%
61	8.910	727	734	738	rVV3	345445	931335	75.87%	8.484%
62	8.959	738	739	743	rVB4	25702	31362	2.55%	0.286%
63	9.028	743	746	749	rBV2	66425	125950	10.26%	1.147%
64	9.107	749	754	757	rBV	136693	272052	22.16%	2.478%
65	9.146	757	758	761	rVV2	43529	56042	4.57%	0.511%
66	9.215	761	765	770	rVB2	177999	356772	29.06%	3.250%
67	9.284	770	772	773	rBV2	18672	28019	2.28%	0.255%
68	9.343	773	778	781	rVB2	71190	148394	12.09%	1.352%
69	9.432	781	787	790	rBV6	57743	165046	13.45%	1.504%
70	9.491	790	793	797	rVB2	83130	152820	12.45%	1.392%
71	9.570	797	801	804	rBV	76054	130609	10.64%	1.190%
72	9.619	804	806	808	rVB3	9568	12151	0.99%	0.111%
73	9.698	808	814	818	rBV2	59360	152906	12.46%	1.393%
74	9.767	820	821	824	rBV3	11693	14202	1.16%	0.129%
75	9.826	824	827	832	rVB2	51726	127166	10.36%	1.158%

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-06-10\
Data File : 1M57019.D
Acq On : 6 May 2010 12:52
Operator : WP
Sample : AC51387-005(5X)
Misc : S,5G!7
ALS Vial : 20 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0430.M
Title : @GCMS_1,ug,624,8260

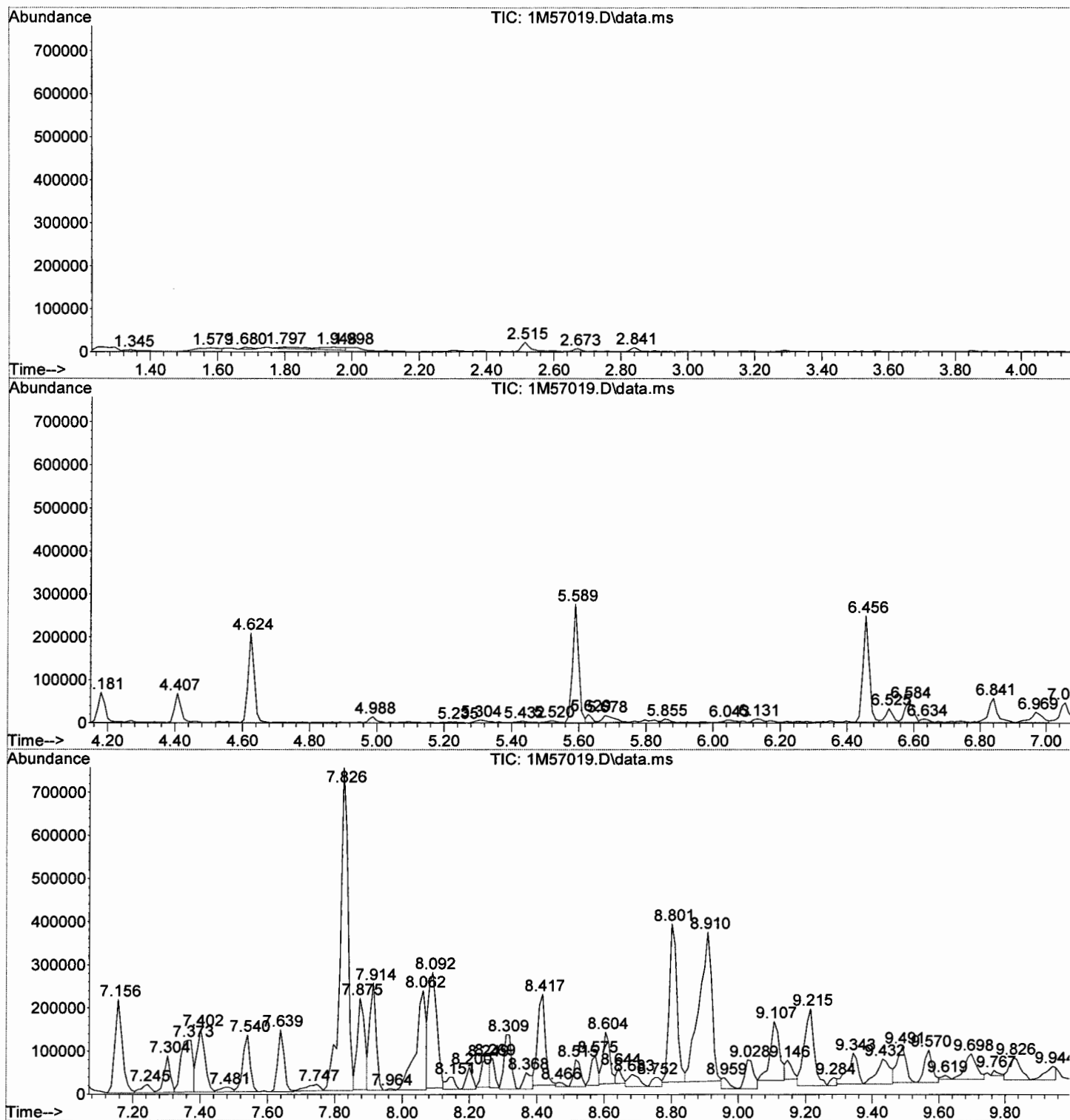
76	9.944	832	839	840	rBV5	31497	75897	6.18%	0.691%

Sum of corrected areas: 10976921

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-06-10\
Data File : 1M57019.D
Acq On : 6 May 2010 12:52
Operator : WP
Sample : AC51387-005(5X)
Misc : S,5G!7
ALS Vial : 20 Sample Multiplier: 1

Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0430.M
Quant Title : @GCMS_1,ug,624,8260

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-06-10\
 Data File : 1M57019.D
 Acq On : 6 May 2010 12:52
 Operator : WP
 Sample : AC51387-005(5X)
 Misc : S,5G!7
 ALS Vial : 20 Sample Multiplier: 1

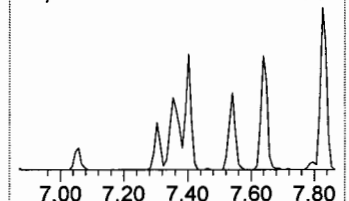
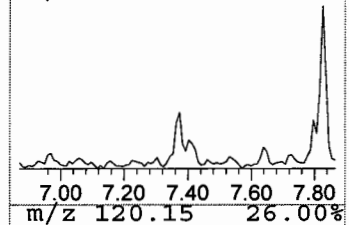
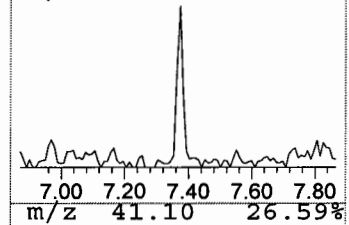
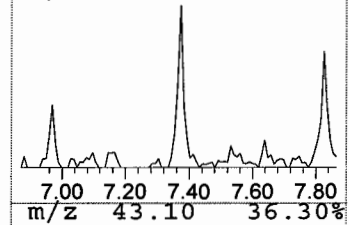
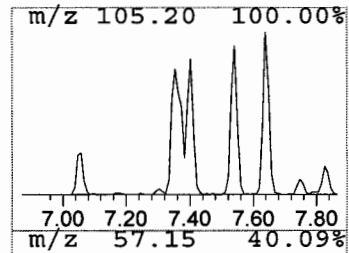
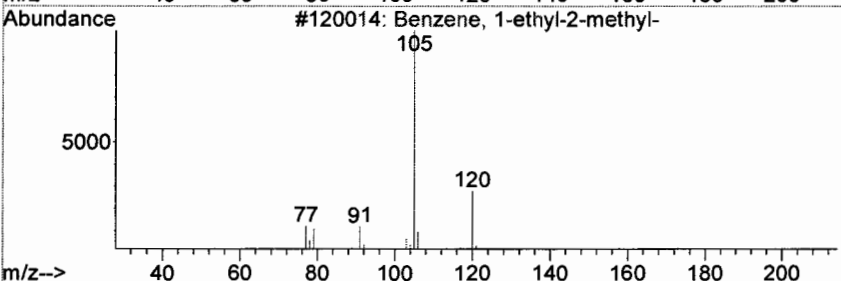
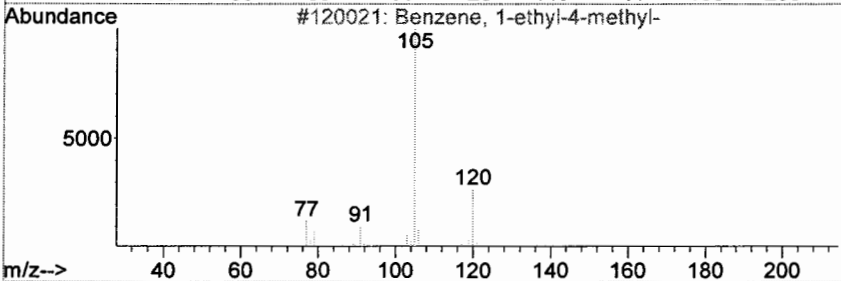
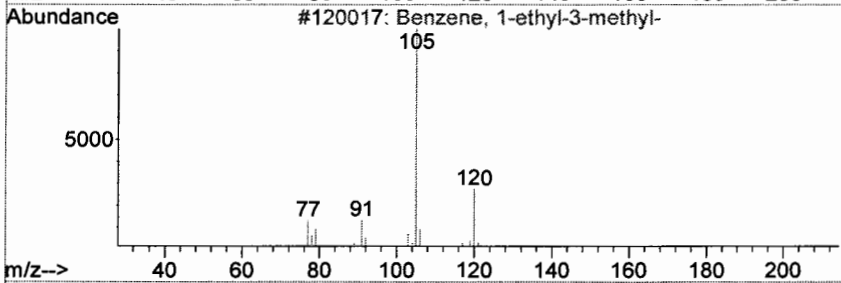
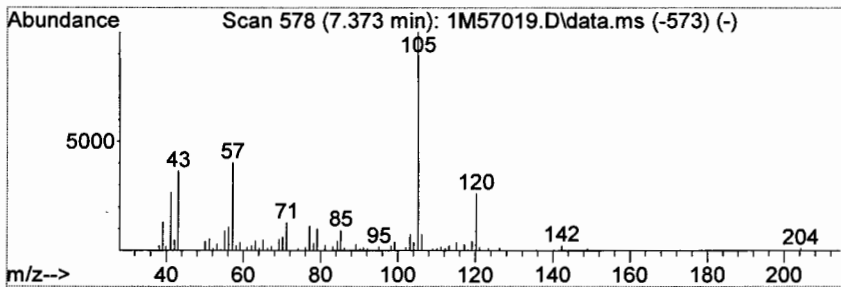
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 Quant Title : @GCMS_1,ug,624,8260

TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 1 Benzene, 1-ethyl-3-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.37	28.03 ug/l	305028	LibIS-1,4-Dichlorobenzene-d4	7.88

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	76
2			Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	76
3			Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	68
4			Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	64
5			Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	62



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-06-10\
 Data File : 1M57019.D
 Acq On : 6 May 2010 12:52
 Operator : WP
 Sample : AC51387-005(5X)
 Misc : S,5G!7
 ALS Vial : 20 Sample Multiplier: 1

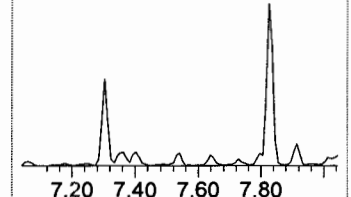
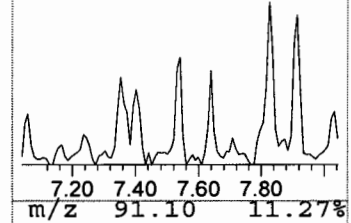
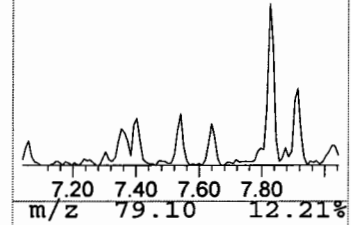
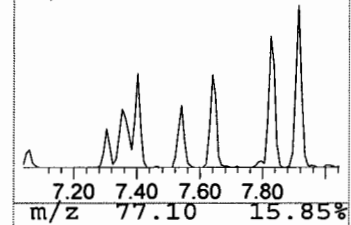
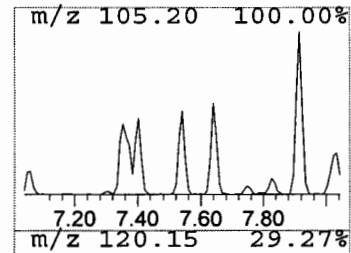
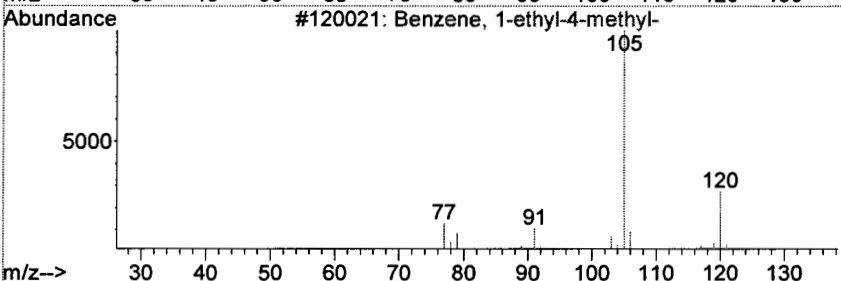
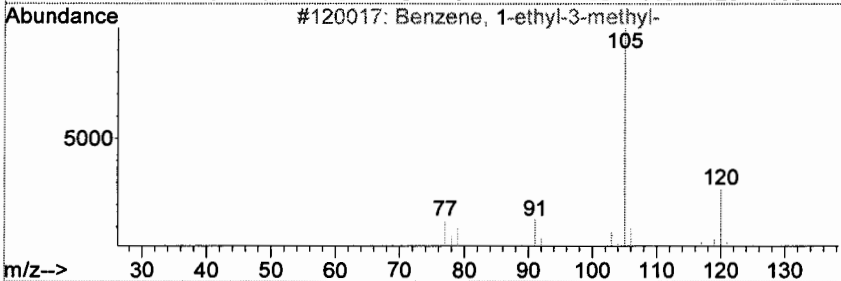
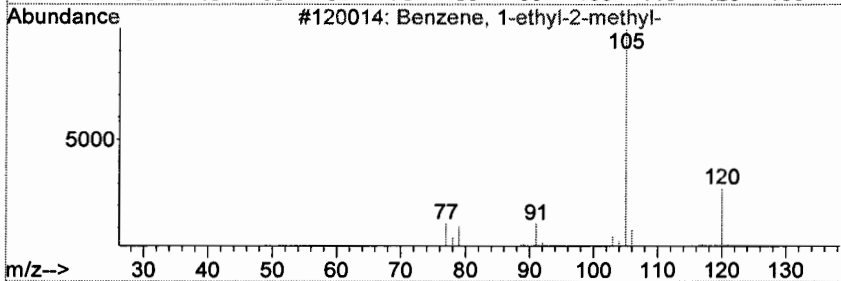
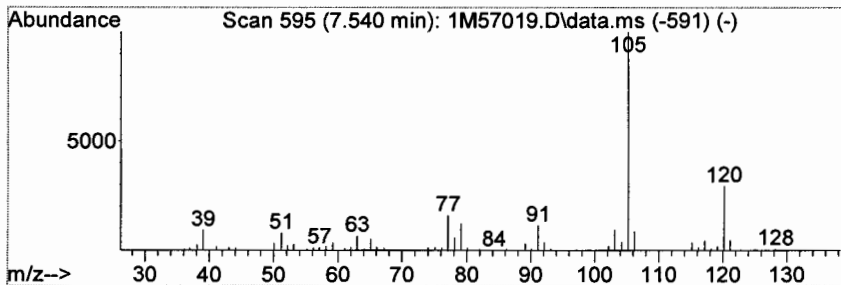
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 Quant Title : @GCMS_1,ug,624,8260

TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 2 Benzene, 1-ethyl-2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.54	17.98 ug/l	195608	LibIS-1,4-Dichlorobenzene-d4	7.88

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2			Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
3			Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	94
4			Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	91
5			Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	91



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-06-10\
 Data File : 1M57019.D
 Acq On : 6 May 2010 12:52
 Operator : WP
 Sample : AC51387-005(5X)
 Misc : S,5G!7
 ALS Vial : 20 Sample Multiplier: 1

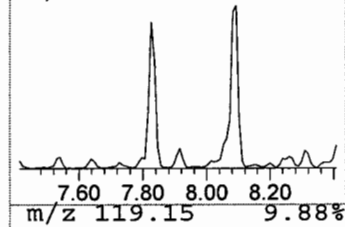
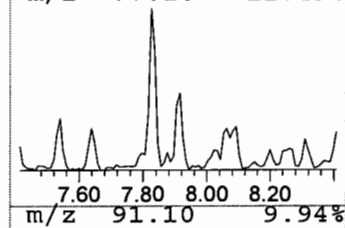
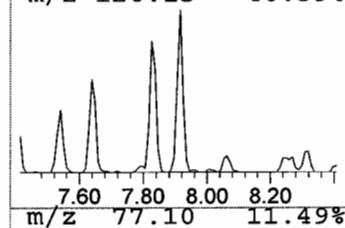
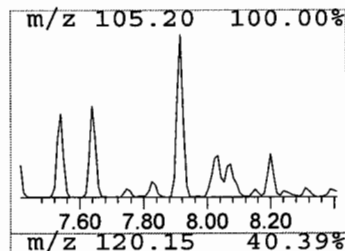
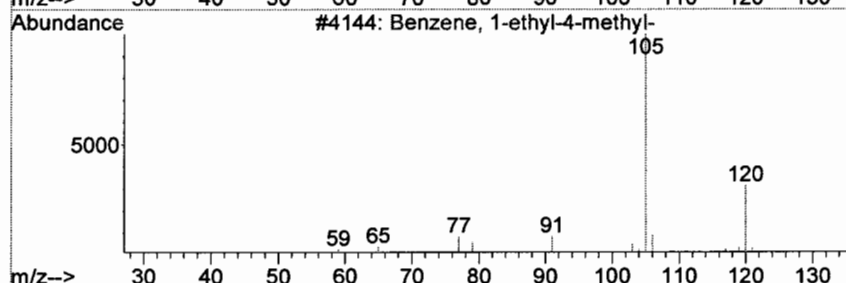
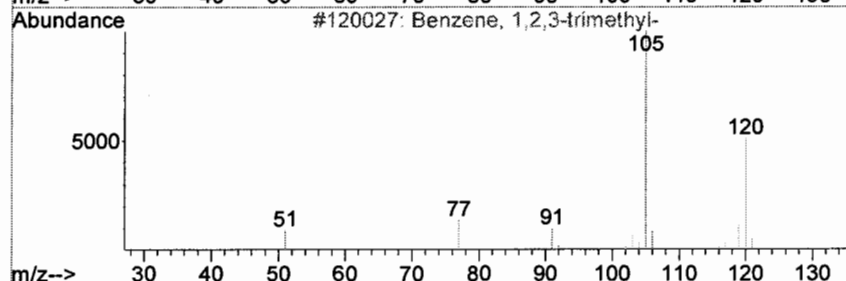
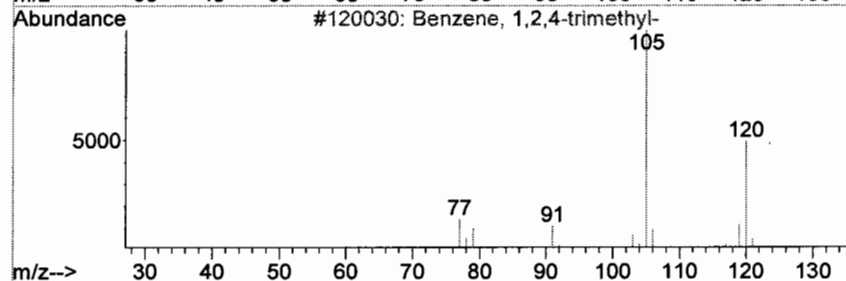
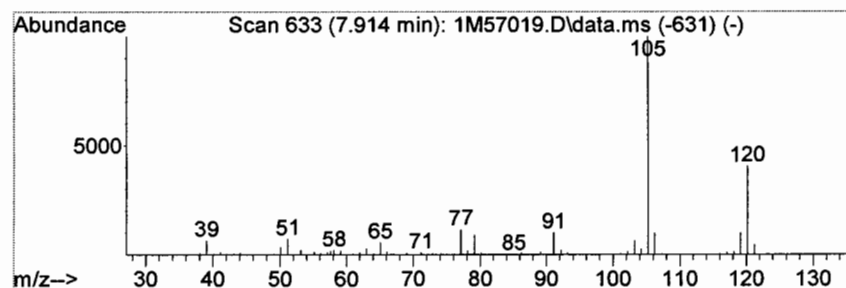
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 Quant Title : @GCMS_1,ug,624,8260

TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 3 Benzene, 1,2,4-trimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.91	29.69 ug/l	323007	LibIS-1,4-Dichlorobenzene-d4	7.88

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
2		Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
3		Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	90
4		Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94
5		Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	90



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-06-10\
 Data File : 1M57019.D
 Acq On : 6 May 2010 12:52
 Operator : WP
 Sample : AC51387-005(5X)
 Misc : S,5G!7
 ALS Vial : 20 Sample Multiplier: 1

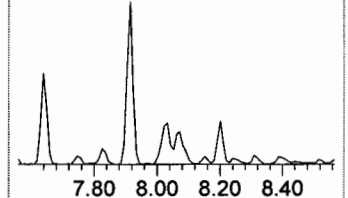
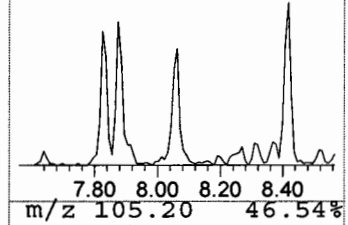
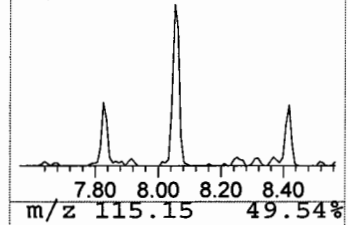
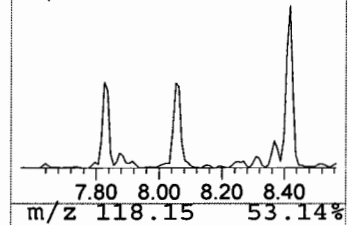
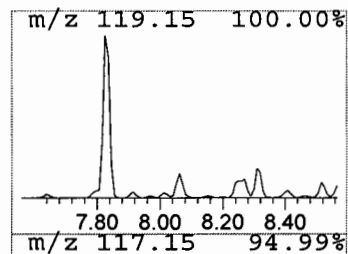
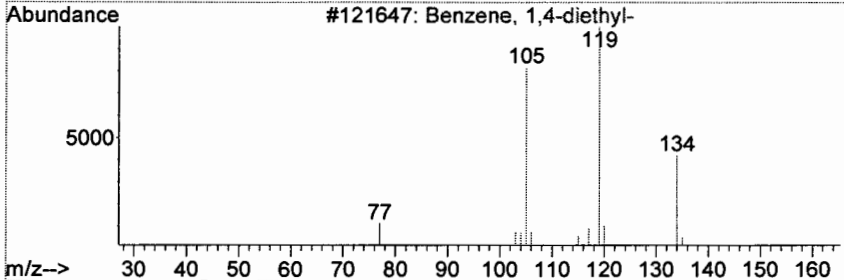
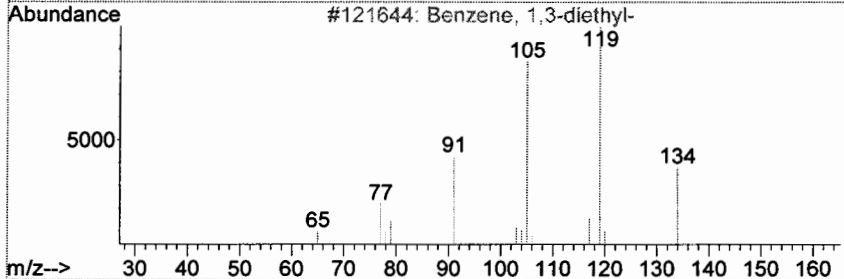
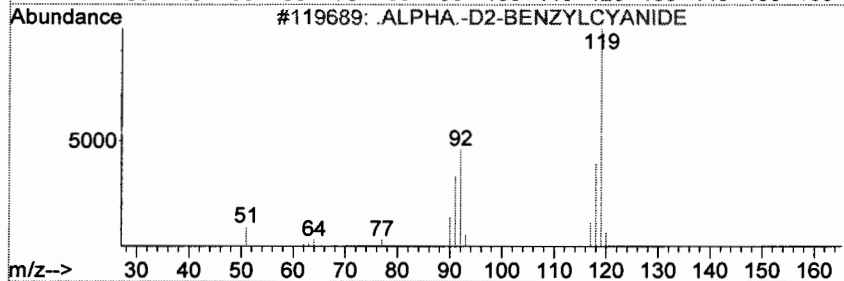
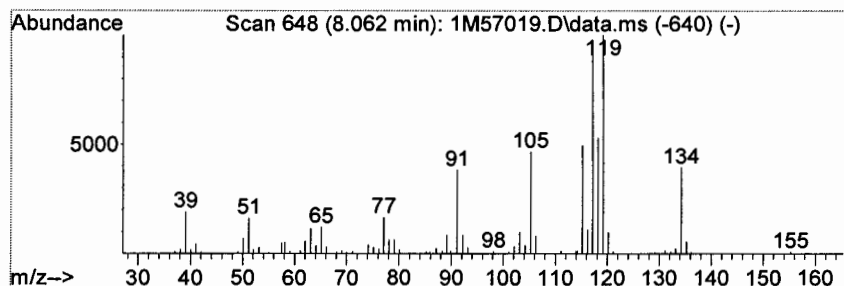
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 Quant Title : @GCMS_1,ug,624,8260

TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 4 unknown Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.06	47.41 ug/l	515817	LibIS-1,4-Dichlorobenzene-d4	7.88

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	.ALPHA.-D2-BENZYL CYANIDE	117	C8H5D2N	000935-66-0	38
2		Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	38
3		Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	43
4		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	43
5		Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	38



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-06-10\
 Data File : 1M57019.D
 Acq On : 6 May 2010 12:52
 Operator : WP
 Sample : AC51387-005(5X)
 Misc : S,5G!7
 ALS Vial : 20 Sample Multiplier: 1

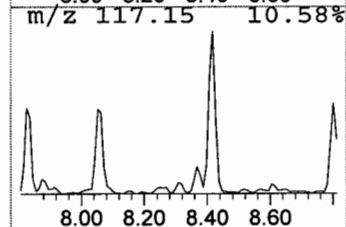
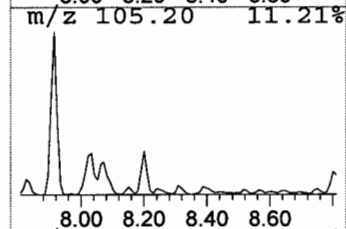
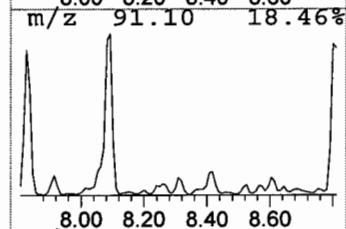
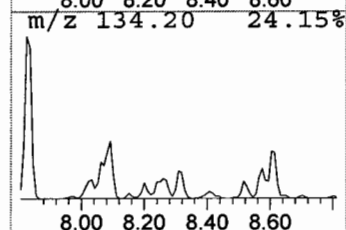
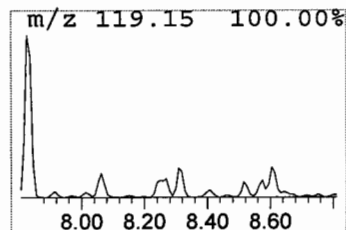
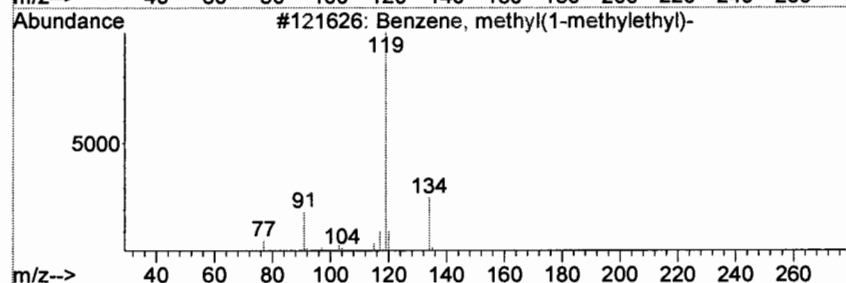
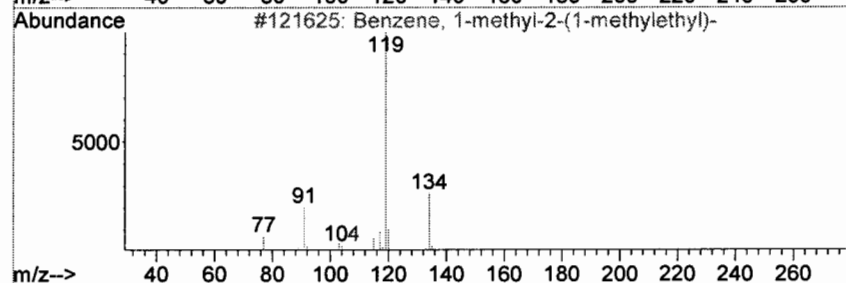
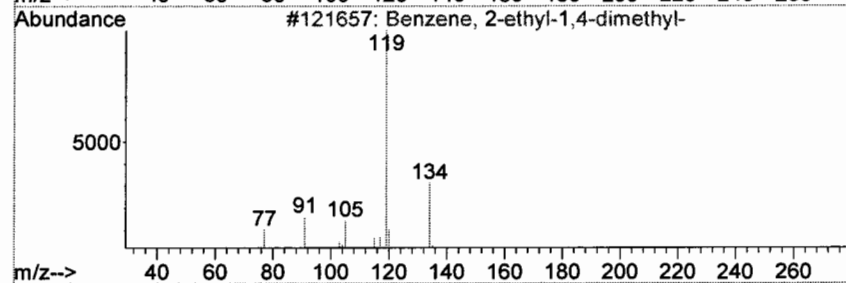
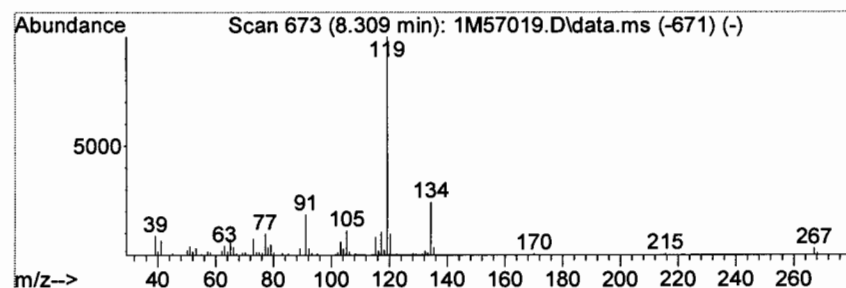
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 Quant Title : @GCMS_1,ug,624,8260

TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 5 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.31	18.26 ug/l	198673	LibIS-1,4-Dichlorobenzene-d4	7.88

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
2		Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	95
3		Benzene, methyl(1-methylethyl)-	134	C10H14	025155-15-1	93
4		Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	95
5		Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94



Data Path : G:\GcMsData\2010\GCMS_1\Data\05-06-10\
Data File : 1M57019.D
Acq On : 6 May 2010 12:52
Operator : WP
Sample : AC51387-005(5X)
Misc : S,5G!7
ALS Vial : 20 Sample Multiplier: 1

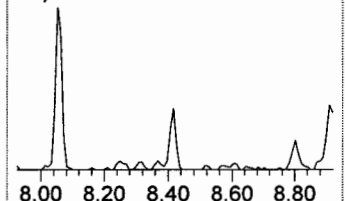
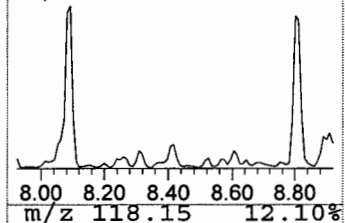
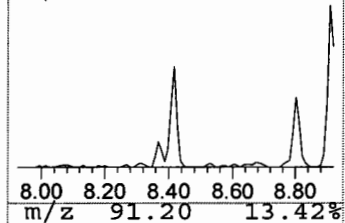
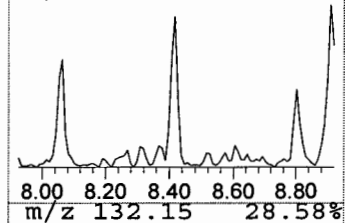
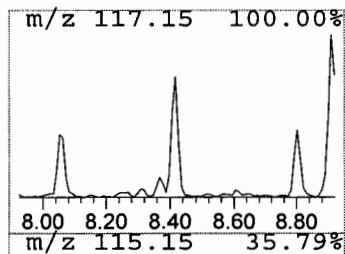
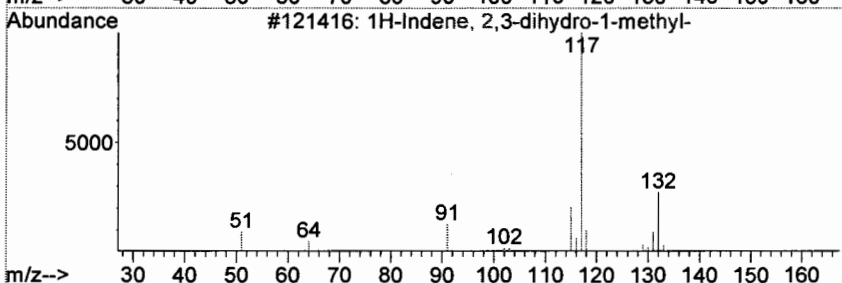
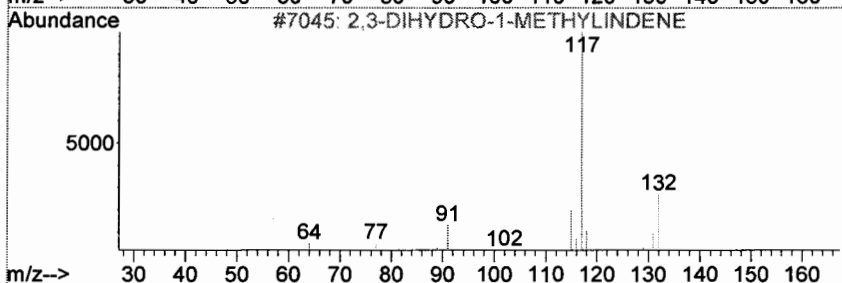
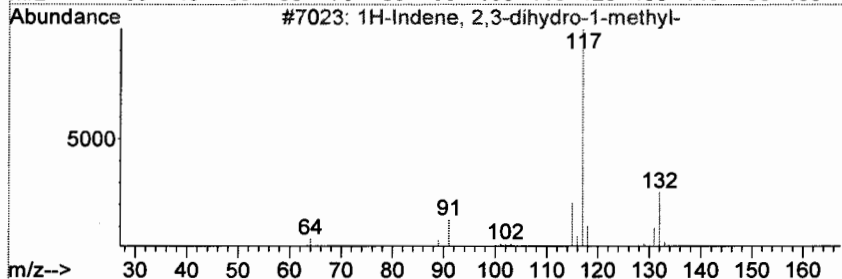
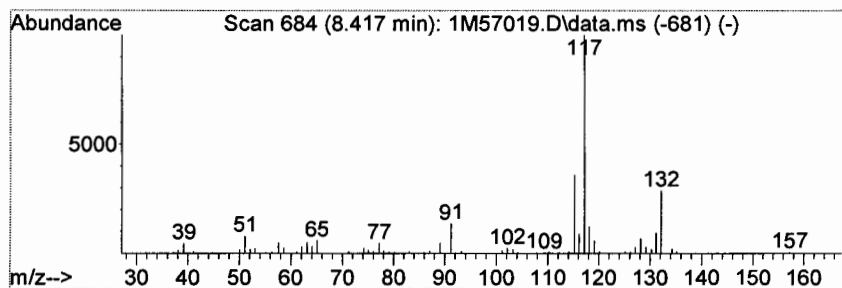
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Quant Title : @GCMS_1,ug,624,8260

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 1H-Indene, 2,3-dihydro-1-me... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.42	30.73 ug/l	334358	LibIS-1,4-Dichlorobenzene-d4	7.88

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1H-Indene, 2,3-dihydro-1-methyl-	132	C10H12	000767-58-8	83
2			2,3-DIHYDRO-1-METHYLINDENE	132	C10H12	027133-93-3	80
3			1H-Indene, 2,3-dihydro-1-methyl-	132	C10H12	000767-58-8	87
4			1H-Indene, 2,3-dihydro-1-methyl-	132	C10H12	000767-58-8	87
5			1R-METHYL-2T-PHENYLCYCLOPROPANE	132	C10H12	005070-01-9	46



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-06-10\
 Data File : 1M57019.D
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 Operator : WP
 Sample : AC51387-005(5X)
 Misc : S,5G!7
 ALS Vial : 20 Sample Multiplier: 1

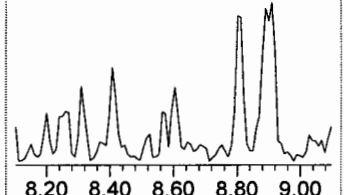
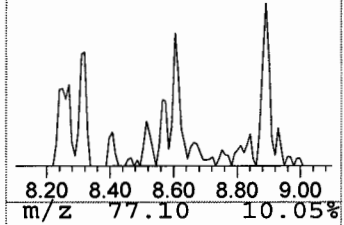
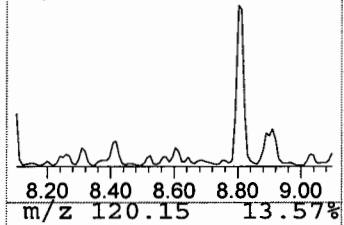
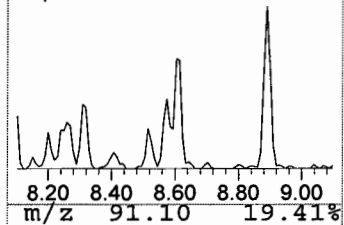
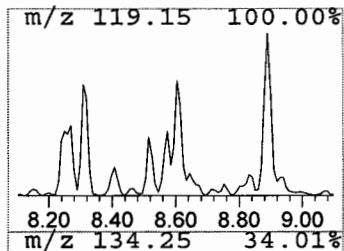
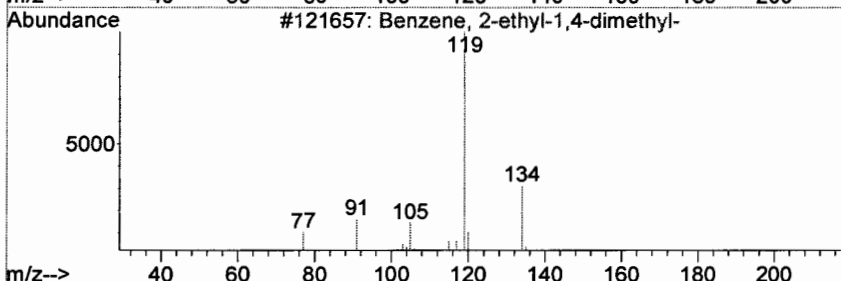
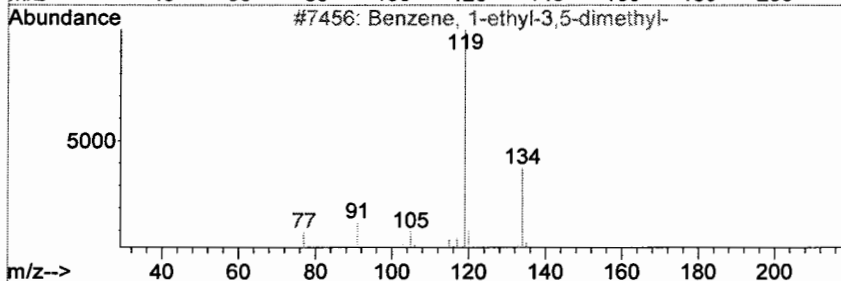
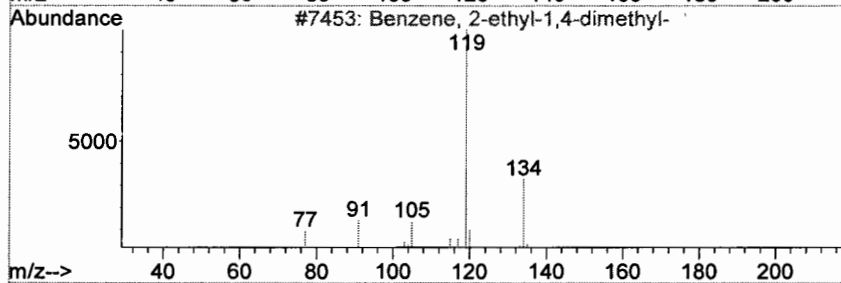
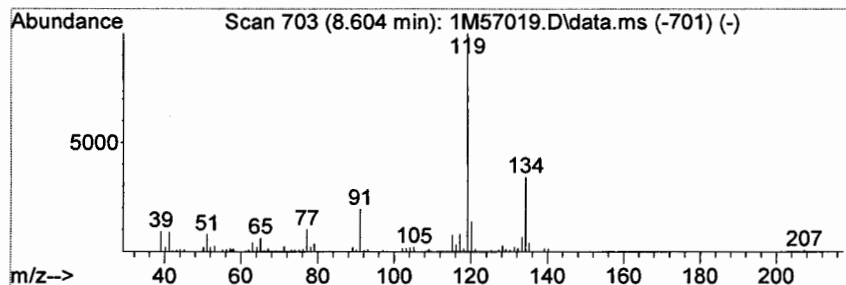
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TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 7 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.60	16.37 ug/l	178157	LibIS-1,4-Dichlorobenzene-d4	7.88

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	87
2			Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91
3			Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	87
4			Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	87
5			Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	86



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-06-10\
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 Sample : AC51387-005(5X)
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 ALS Vial : 20 Sample Multiplier: 1

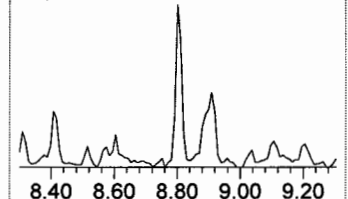
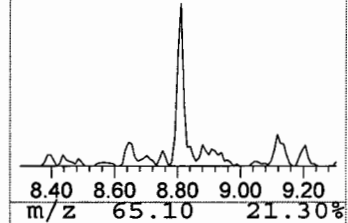
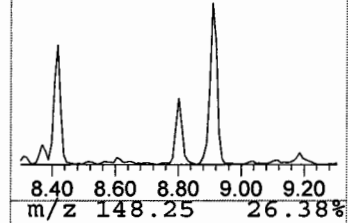
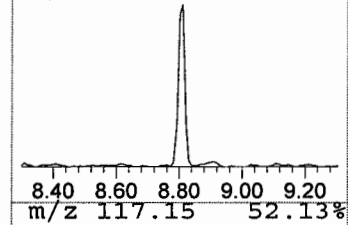
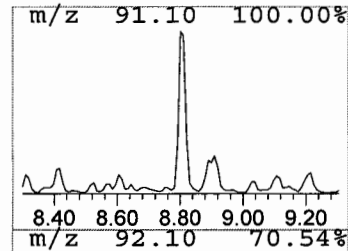
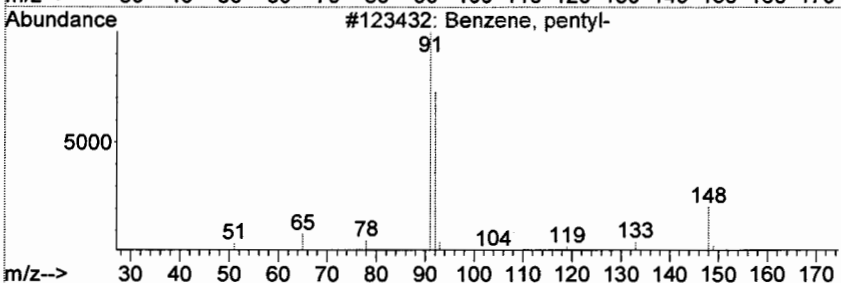
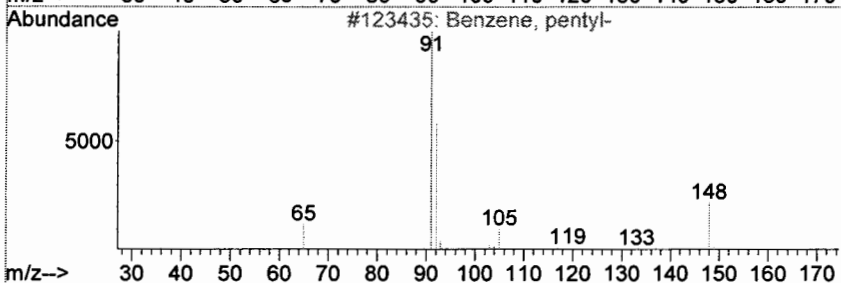
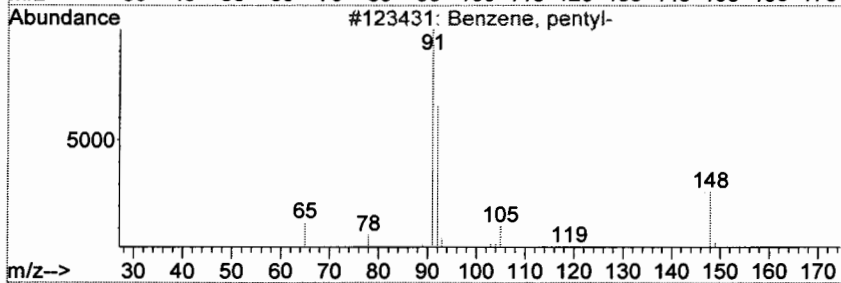
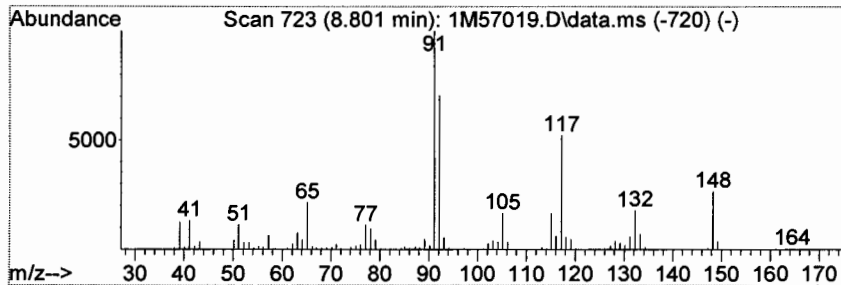
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TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 8 Benzene, pentyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.80	54.75 ug/l	595720	LibIS-1,4-Dichlorobenzene-d4	7.88

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, pentyl-	148	C11H16	000538-68-1	55
2		Benzene, pentyl-	148	C11H16	000538-68-1	50
3		Benzene, pentyl-	148	C11H16	000538-68-1	46
4		Benzene, pentyl-	148	C11H16	000538-68-1	55
5		Benzene, pentyl-	148	C11H16	000538-68-1	46



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-06-10\
 Data File : 1M57019.D
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 Sample : AC51387-005(5X)
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 ALS Vial : 20 Sample Multiplier: 1

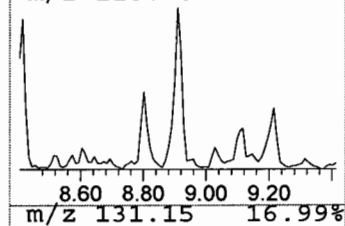
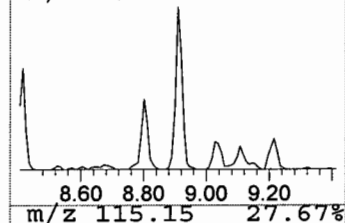
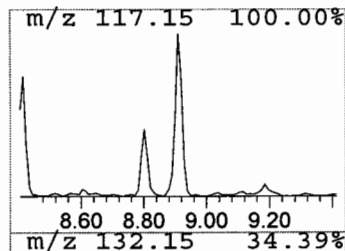
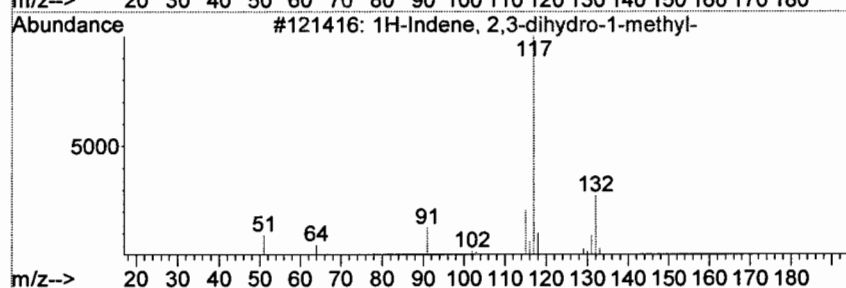
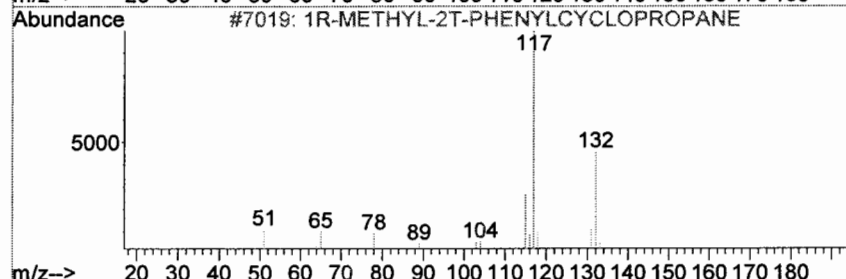
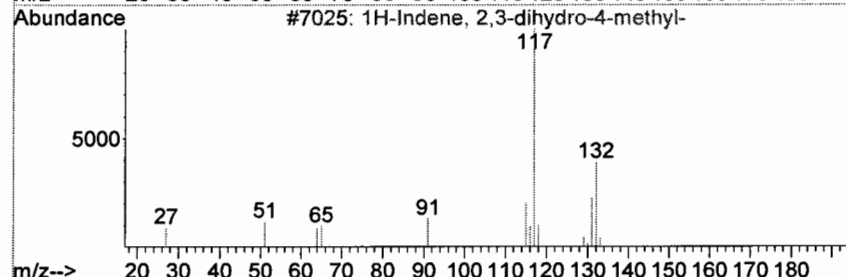
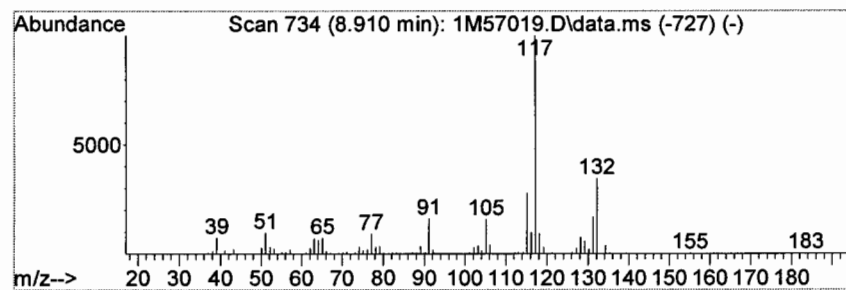
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TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 9 1H-Indene, 2,3-dihydro-4-me... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.91	85.59 ug/l	931335	LibIS-1,4-Dichlorobenzene-d4	7.88

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	87
2		1R-METHYL-2T-PHENYLCYCLOPROPANE	132	C10H12	005070-01-9	90
3		1H-Indene, 2,3-dihydro-1-methyl-	132	C10H12	000767-58-8	93
4		2,3-DIHYDRO-1-METHYLLINDENE	132	C10H12	027133-93-3	93
5		1H-Indene, 2,3-dihydro-1-methyl-	132	C10H12	000767-58-8	72



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-06-10\
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 Sample : AC51387-005(5X)
 Misc : S,5G!7
 ALS Vial : 20 Sample Multiplier: 1

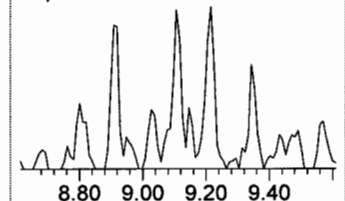
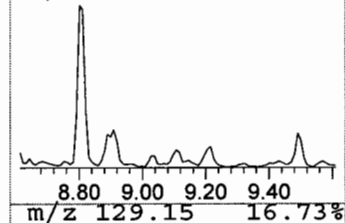
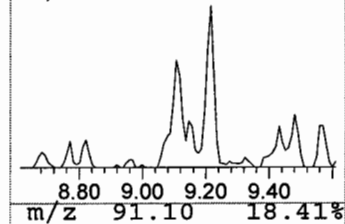
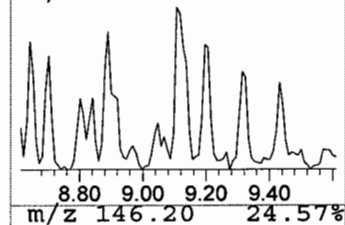
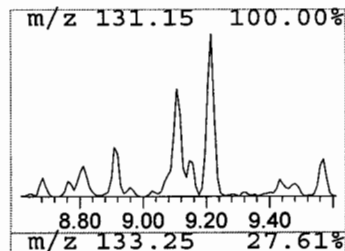
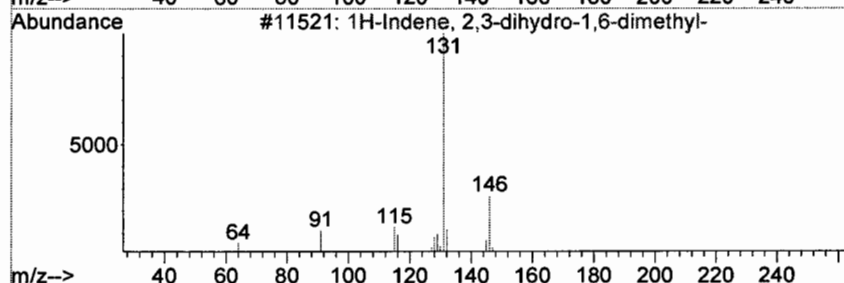
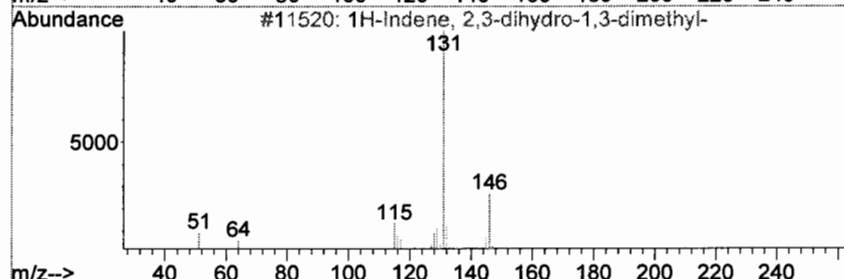
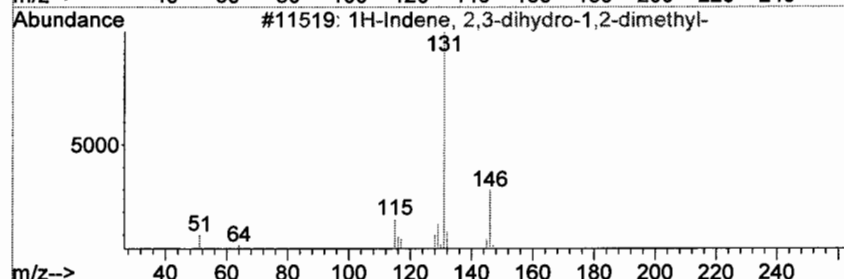
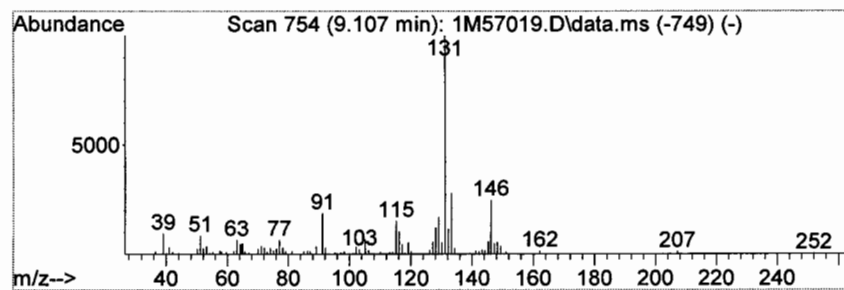
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TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 10 1H-Indene, 2,3-dihydro-1,2-... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.11	25.00 ug/l	272052	LibIS-1,4-Dichlorobenzene-d4	7.88

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	90
2			1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	46
3			1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	81
4			Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	81
5			Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	74



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-06-10\
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 ALS Vial : 20 Sample Multiplier: 1

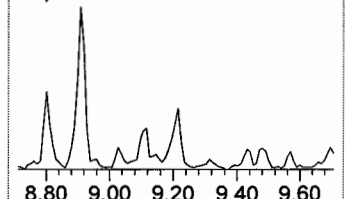
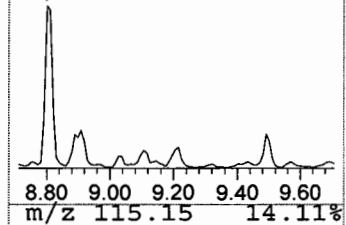
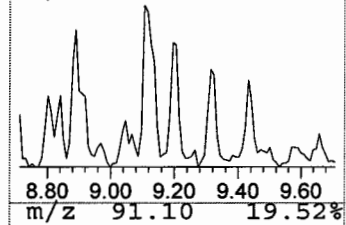
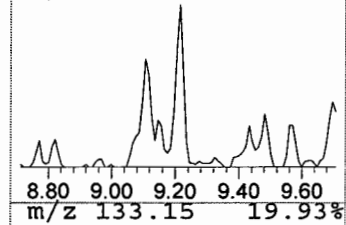
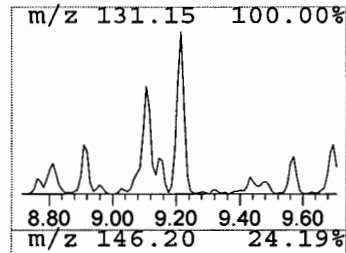
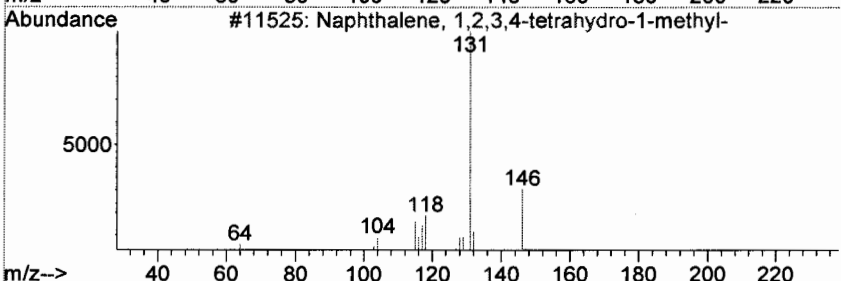
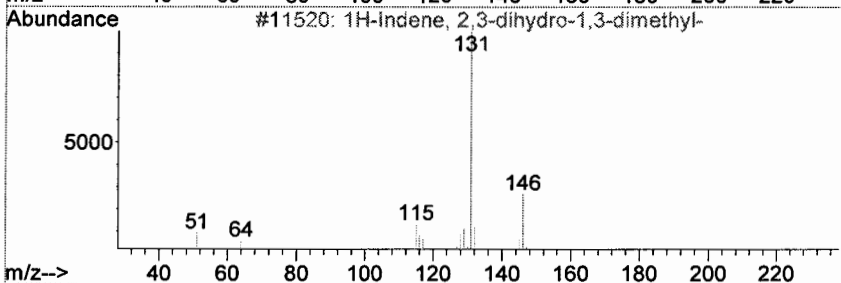
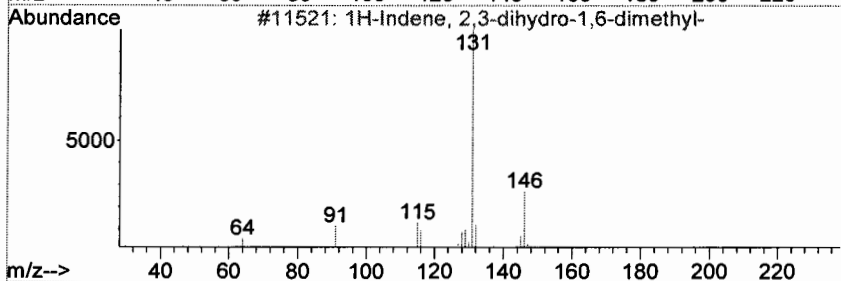
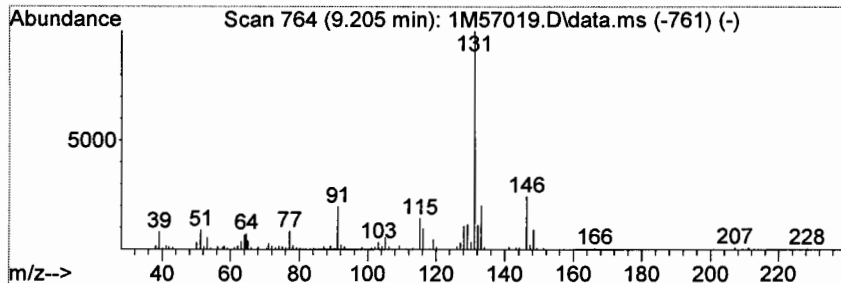
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TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 11 1H-Indene, 2,3-dihydro-1,6-... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.21	32.79 ug/l	356772	LibIS-1,4-Dichlorobenzene-d4	7.88

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	90
2			1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	90
3			Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	91
4			Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	91
5			Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	91



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-06-10\
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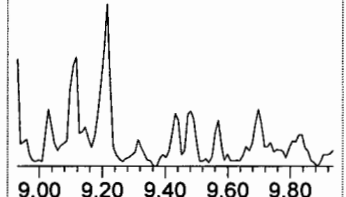
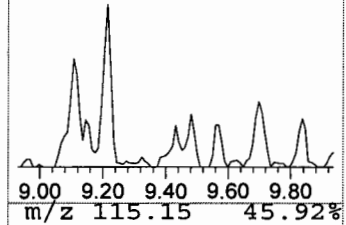
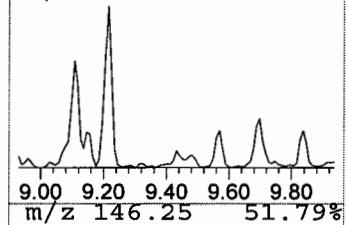
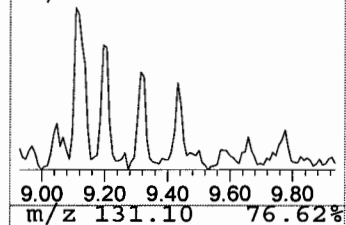
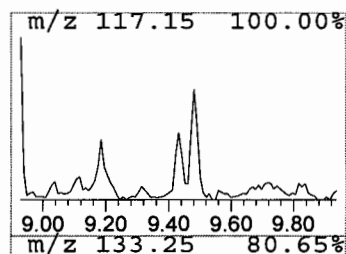
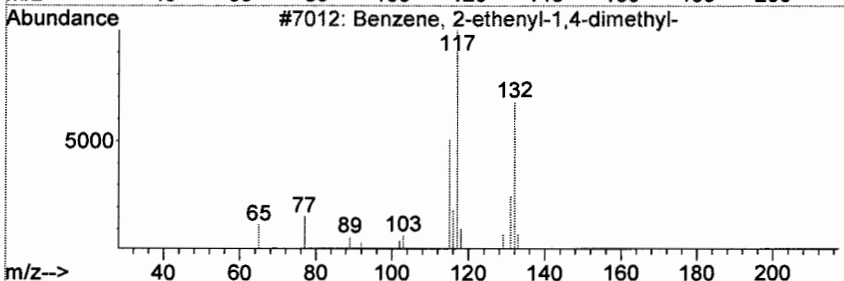
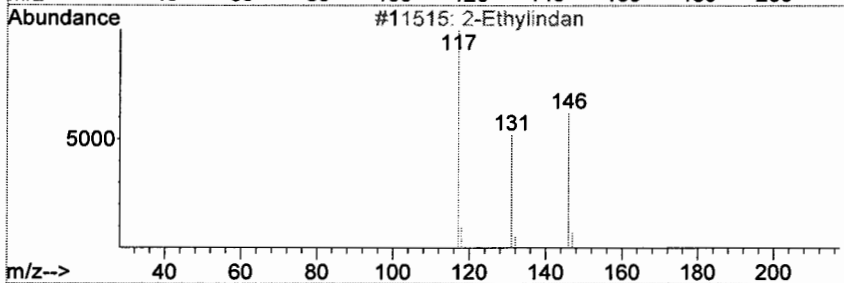
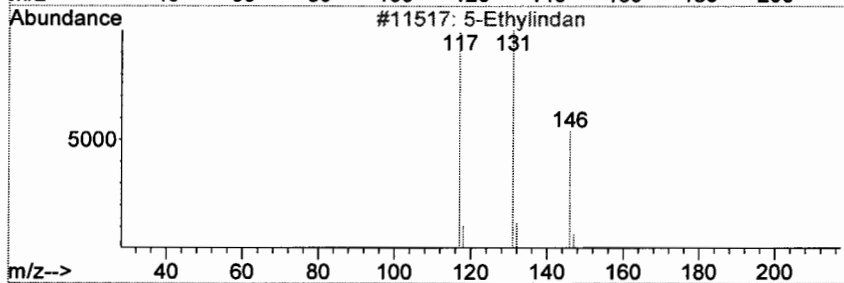
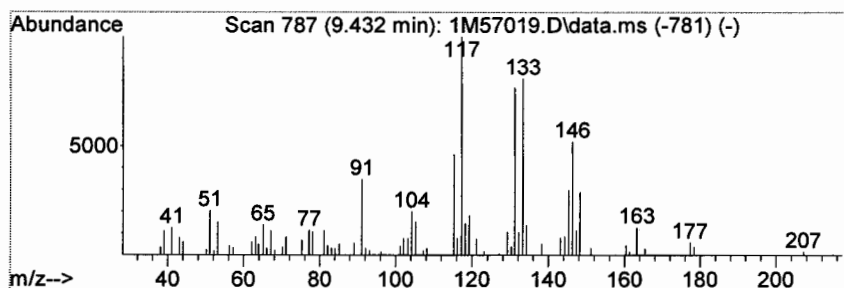
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TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 12 5-Ethylindan Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.43	15.17 ug/l	165046	LibIS-1,4-Dichlorobenzene-d4	7.88

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			5-Ethylindan	146	C11H14	052689-24-4	49
2			2-Ethylindan	146	C11H14	056147-63-8	38
3			Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	14
4			.alpha.,.beta.,.beta.-Trimethyls...	146	C11H14	000769-57-3	30
5			Benzeneacetaldehyde, .alpha.-eth...	146	C10H10O	004411-89-6	25



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-06-10\
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 Acq On : 6 May 2010 12:52
 Operator : WP
 Sample : AC51387-005(5X)
 Misc : S,5G!7
 ALS Vial : 20 Sample Multiplier: 1

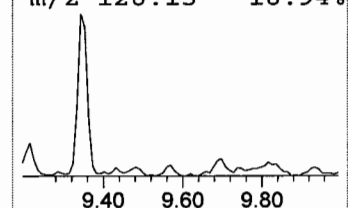
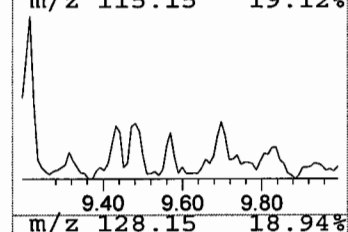
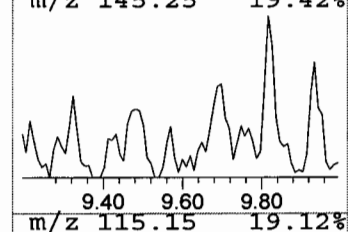
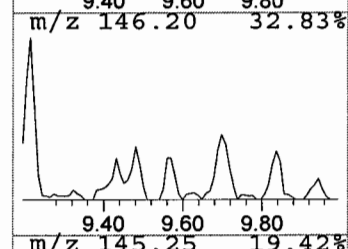
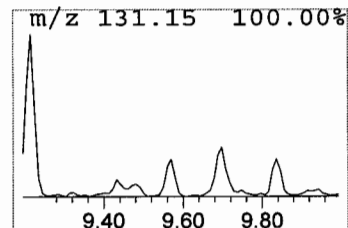
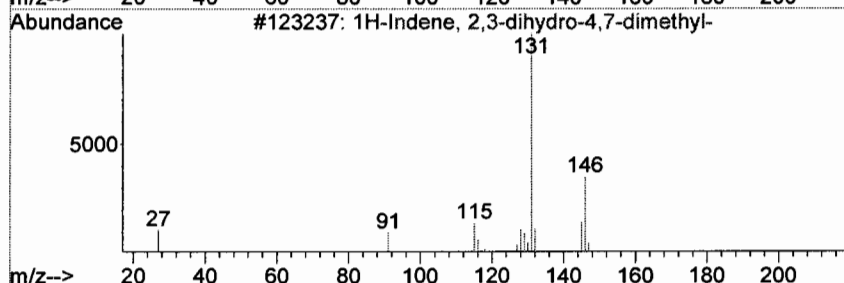
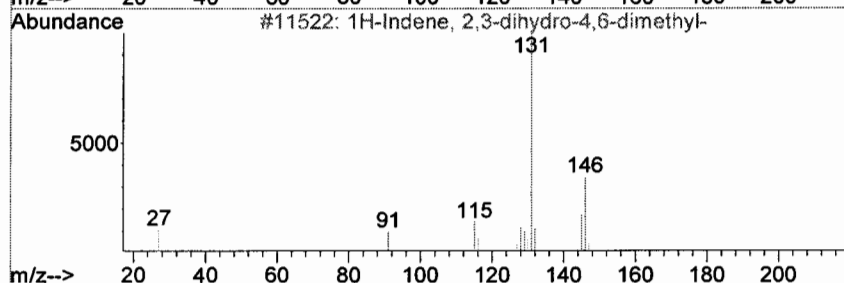
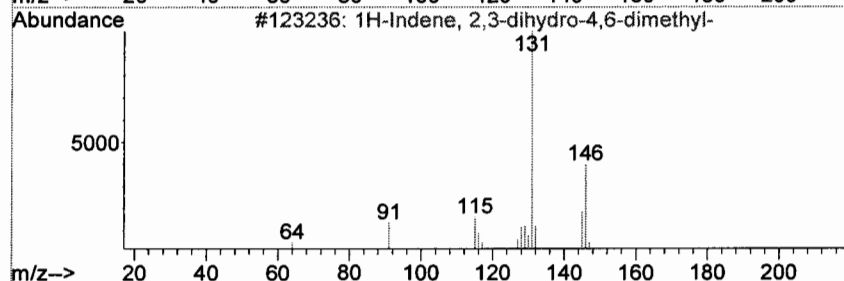
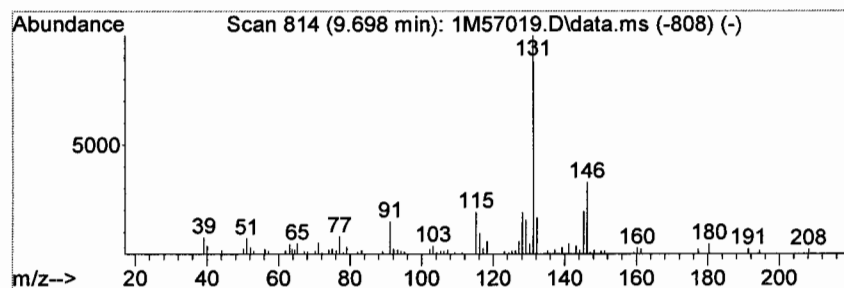
Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0430.M
 Quant Title : @GCMS_1,ug,624,8260

TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 13 1H-Indene, 2,3-dihydro-4,6-... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.70	14.05 ug/l	152906	LibIS-1,4-Dichlorobenzene-d4	7.88

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1H-Indene, 2,3-dihydro-4,6-dimet...	146	C11H14	001685-82-1	43
2			1H-Indene, 2,3-dihydro-4,6-dimet...	146	C11H14	001685-82-1	90
3			1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	86
4			Indan, 5,6-dimethyl-	146	C11H14	001075-22-5	81
5			1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	56



Data Path : G:\GcMsData\2010\GCMS_1\Data\05-06-10\
 Data File : 1M57019.D
 Acq On : 6 May 2010 12:52
 Operator : WP
 Sample : AC51387-005(5X)
 Misc : S,5G!7
 ALS Vial : 20 Sample Multiplier: 1

Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0430.M
 Quant Title : @GCMS_1,ug,624,8260

TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	-----Internal Standard-----				
					#	ExpRT	ActRt	Resp	Conc
Benzene, 1-ethyl-...	7.37	28.0	ug/l	305028	3	7.88	7.88	326430	30.0
Benzene, 1-ethyl-...	7.54	18.0	ug/l	195608	3	7.88	7.88	326430	30.0
Benzene, 1,2,4-tr...	7.91	29.7	ug/l	323007	3	7.88	7.88	326430	30.0
unknown	8.06	47.4	ug/l	515817	3	7.88	7.88	326430	30.0
Benzene, 2-ethyl-...	8.31	18.3	ug/l	198673	3	7.88	7.88	326430	30.0
1H-Indene, 2,3-di...	8.42	30.7	ug/l	334358	3	7.88	7.88	326430	30.0
Benzene, 2-ethyl-...	8.60	16.4	ug/l	178157	3	7.88	7.88	326430	30.0
Benzene, pentyl-	8.80	54.7	ug/l	595720	3	7.88	7.88	326430	30.0
1H-Indene, 2,3-di...	8.91	85.6	ug/l	931335	3	7.88	7.88	326430	30.0
1H-Indene, 2,3-di...	9.11	25.0	ug/l	272052	3	7.88	7.88	326430	30.0
1H-Indene, 2,3-di...	9.21	32.8	ug/l	356772	3	7.88	7.88	326430	30.0
5-Ethylindan	9.43	15.2	ug/l	165046	3	7.88	7.88	326430	30.0
1H-Indene, 2,3-di...	9.70	14.1	ug/l	152906	3	7.88	7.88	326430	30.0

Form1

ORGANICS VOLATILE REPORT

Sample Number: AC51387-006(5X)

Client Id: PI-01-TP-RAU5DUP42910

Data File: 1M57125.D

Analysis Date: 05/10/10 15:24

Date Rec/Extracted: 05/03/10-NA

Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B

Matrix: Soil

Initial Vol: 0.99g

Final Vol: NA

Dilution: 5.05

Solids: 84

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.030	U	56-23-5	Carbon Tetrachloride	0.030	U
79-34-5	1,1,2,2-Tetrachloroethane	0.030	U	108-90-7	Chlorobenzene	0.030	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.030	U	75-00-3	Chloroethane	0.030	U
79-00-5	1,1,2-Trichloroethane	0.030	U	67-66-3	Chloroform	0.030	U
75-34-3	1,1-Dichloroethane	0.030	U	74-87-3	Chloromethane	0.030	U
75-35-4	1,1-Dichloroethene	0.030	U	156-59-2	cis-1,2-Dichloroethene	0.030	U
96-18-4	1,2,3-Trichloropropane	0.030	U	10061-01-5	cis-1,3-Dichloropropene	0.030	U
95-63-6	1,2,4-Trimethylbenzene	0.0060	U	124-48-1	Dibromochloromethane	0.030	U
95-50-1	1,2-Dichlorobenzene	0.030	U	75-71-8	Dichlorodifluoromethane	0.030	U
107-06-2	1,2-Dichloroethane	0.030	U	100-41-4	Ethylbenzene	0.0060	U
78-87-5	1,2-Dichloropropane	0.030	U	98-82-8	Isopropylbenzene	0.0060	0.036
108-67-8	1,3,5-Trimethylbenzene	0.0060	U	136777612	m&p-Xylenes	0.0060	0.013
541-73-1	1,3-Dichlorobenzene	0.030	U	75-09-2	Methylene Chloride	0.030	U
142-28-9	1,3-Dichloropropane	0.030	U	1634-04-4	Methyl-t-butyl ether	0.0060	U
106-46-7	1,4-Dichlorobenzene	0.030	U	104-51-8	n-Butylbenzene	0.0060	U
123-91-1	1,4-Dioxane	1.5	U	103-65-1	n-Propylbenzene	0.0060	U
78-93-3	2-Butanone	0.030	U	95-47-6	o-Xylene	0.0060	0.018
110-75-8	2-Chloroethylvinylether	0.030	U	135-98-8	sec-Butylbenzene	0.0060	0.045
591-78-6	2-Hexanone	0.030	U	100-42-5	Styrene	0.030	U
99-87-6	4-Isopropyltoluene	0.0060	U	75-65-0	t-Butyl Alcohol	0.15	U
108-10-1	4-Methyl-2-Pentanone	0.030	U	98-06-6	t-Butylbenzene	0.0060	U
67-64-1	Acetone	0.15	U	127-18-4	Tetrachloroethene	0.030	U
107-02-8	Acrolein	0.15	U	108-88-3	Toluene	0.0060	0.015
107-13-1	Acrylonitrile	0.030	U	156-60-5	trans-1,2-Dichloroethene	0.030	U
71-43-2	Benzene	0.0060	U	10061-02-6	trans-1,3-Dichloropropene	0.030	U
75-27-4	Bromodichloromethane	0.030	U	79-01-6	Trichloroethene	0.030	U
75-25-2	Bromoform	0.030	U	75-69-4	Trichlorofluoromethane	0.030	U
74-83-9	Bromomethane	0.030	U	75-01-4	Vinyl Chloride	0.030	U
75-15-0	Carbon Disulfide	0.030	U	1330-20-7	Xylenes (Total)	0.0060	0.031

Worksheet #: 151241

Total Target Concentration 0.13

ColumnID: (^) Indicates results from 2nd column

*U - Indicates the compound was analyzed but not detected.**B - Indicates the analyte was found in the blank as well as in the sample.**E - Indicates the analyte concentration exceeds the calibration range of the instrument.**R - Retention Time Out**J - Indicates an estimated value when a compound is detected at less than the specified detection limit.**d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.*

Form1eORGANICS VOLATILE REPORT
Tentatively Identified Compounds

Sample Number: AC51387-006(5X)	Matrix: Soil
Client Id: PI-01-TP-RAU5DUP429	Initial Vol: 0.99g
Data File: 1M57125.D	Final Vol: NA
Analysis Date: 05/10/10 15:24	Dilution: 5.05
Date Rec/Extracted: 05/03/10-NA	Solids: 84
	Method: EPA 8260B

Units: mg/Kg

	Cas #	Compound	RT	Conc
1		unknown	6.94	1.6 J
2	17301-94-9	Nonane, 4-methyl-	7.06	1.2 J
3	696-29-7	Cyclohexane, (1-methylethyl)-	7.76	2.5 J
4	91-17-8	Naphthalene, decahydro-	8.10	1.7 J
5	934-80-5	Benzene, 4-ethyl-1,2-dimethyl-	8.28	1.5 J
6	767-58-8	1H-Indene, 2,3-dihydro-1-methyl-	8.38	1.7 J
7		unknown	8.51	1.3 J
8	17301-23-4	Undecane, 2,6-dimethyl-	8.86	1.7 J
9	17057-82-8	1H-Indene, 2,3-dihydro-1,2-dimethyl-	9.08	1.2 J
10	4175-53-5	1H-Indene, 2,3-dihydro-1,3-dimethyl-	9.18	1.5 J

Worksheet #: 151241

Total Tentatively Identified Concentration 16*A - Indicates an aldol condensate.**J - Indicates an estimated value.**B - Indicates the analyte was found in the blank as well as in the sample.**Y - Indicates the analyte was found in the blank at <10% of the concentration of the sample.**<10% - Indicates the analyte was found in the blank at < 10% of nearest Internal Standard*

SampleID : AC51387-006(5X) Operator : WP Qt Meth : 1M_S0430.M
 Data File: 1M57125.D Sam Mult : 1 Vial# : 58 Qt On : 05/11/10 07:06
 Acq On : 05/10/10 15:24 Misc : S,5G!7 Qt Upd On: 05/03/10 08:36

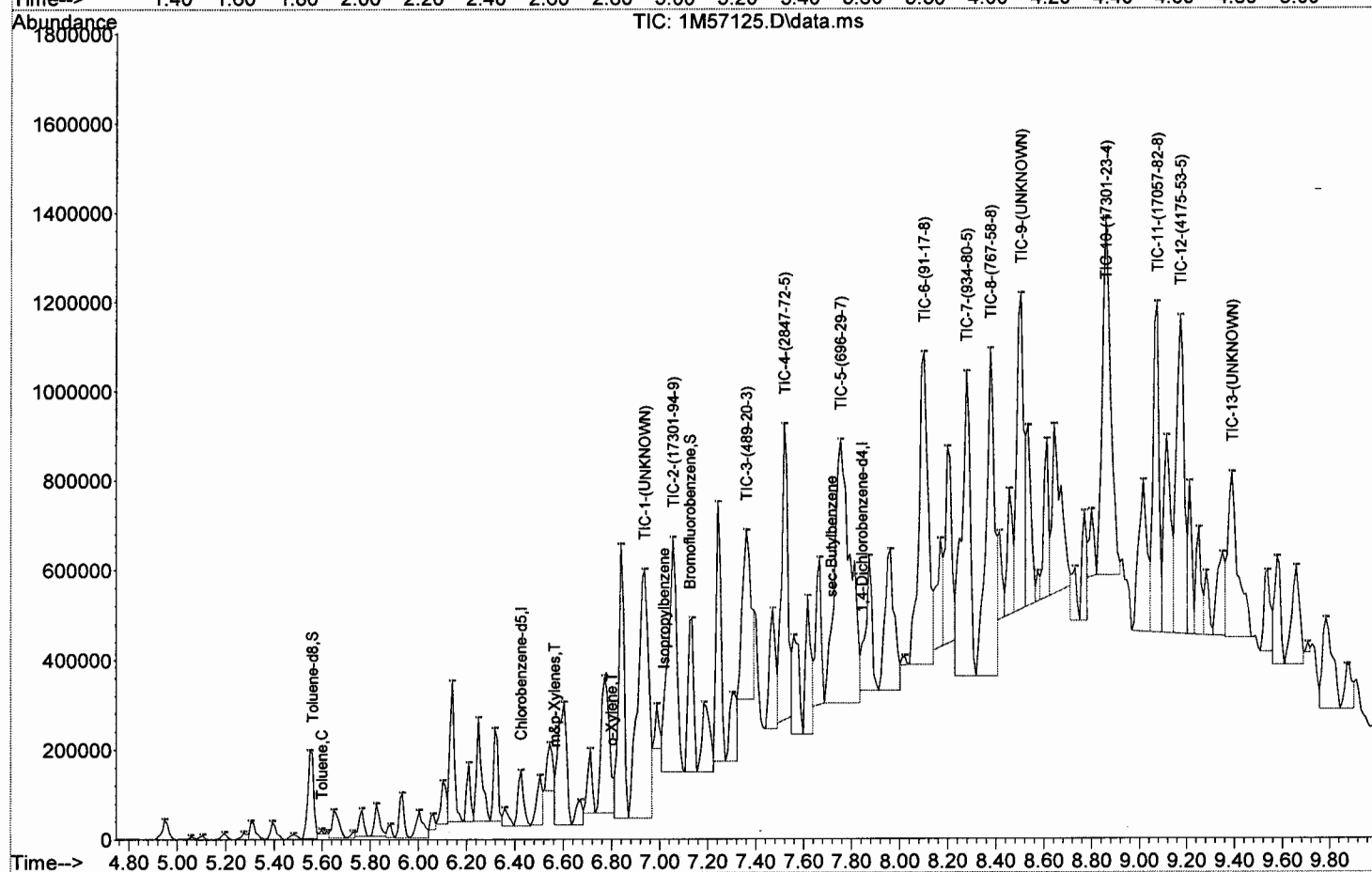
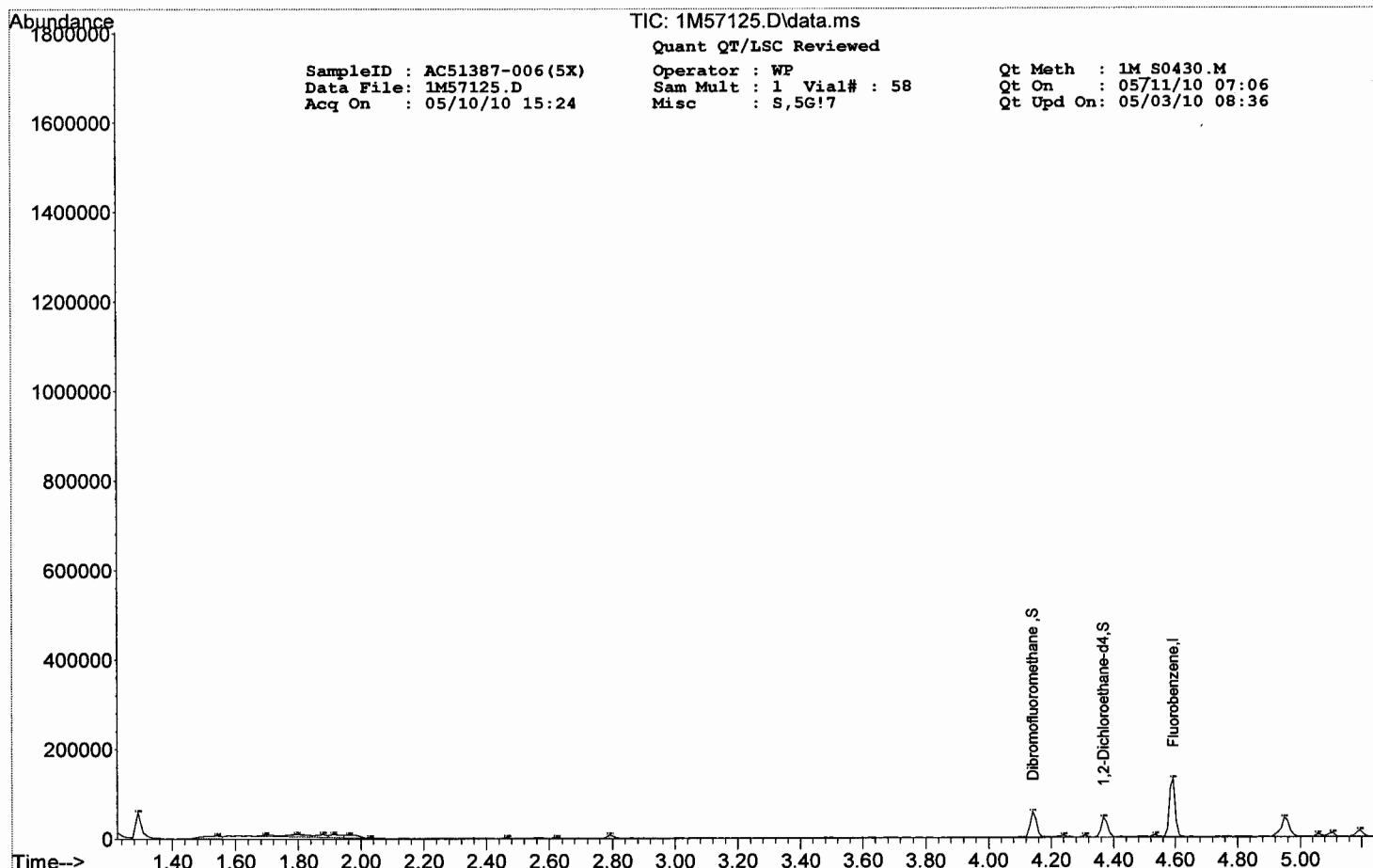
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 Qt Path : G:\GcMsData\2010\GCMS_1\MethodQt\
 Qt Resp Via : Initial Calibration

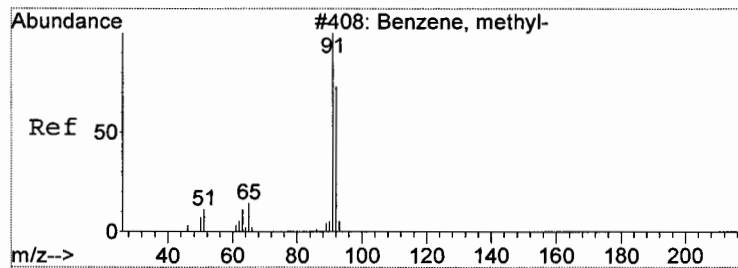
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
4) Fluorobenzene	4.594	96	69982	30.00	ug/l	0.00
48) Chlorobenzene-d5	6.427	117	48088	30.00	ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.845	152	25362	30.00	ug/l	0.00
System Monitoring Compounds						
33) Dibromofluoromethane	4.141	111	21858	35.79	ug/l	-0.02
Spiked Amount 30.000			Recovery	=	119.30%	
35) 1,2-Dichloroethane-d4	4.368	102	4439	37.15	ug/l	-0.02
Spiked Amount 30.000			Recovery	=	123.83%	
59) Toluene-d8	5.560	100	46541	32.98	ug/l	0.00
Spiked Amount 30.000			Recovery	=	109.93%	
67) Bromofluorobenzene	7.126	174	22540	29.42	ug/l	0.00
Spiked Amount 30.000			Recovery	=	98.07%	
Target Compounds						
						Qvalue
60) Toluene	5.599	92	4523	2.56	ug/l	82
69) m&p-Xylenes	6.565	106	2197	2.08	ug/l	72
70) o-Xylene	6.801	106	3115	3.05	ug/l	66
75) Isopropylbenzene	7.018	105	17372	6.07	ug/l	72
86) sec-Butylbenzene	7.717	105	23232	7.55	ug/l	72
Library Search Internal Standards TIC Results						
1) Fluorobenzene	4.594		176392	30.00	ug/l	--
2) Chlorobenzene-d5	6.427		200120	30.00	ug/l	--
Library Search Compounds						
1) UNKNOWN	6.940		1776397	266.30	ug/l	--
2) 17301-94-9	7.060		1290078	193.40	ug/l	72
3) 489-20-3	7.360		983996	147.51	ug/l	50
4) 2847-72-5	7.520		1232299	184.73	ug/l	80
5) 696-29-7	7.760		2726534	408.74	ug/l	50
6) 91-17-8	8.100		1901698	285.08	ug/l	58
7) 934-80-5	8.280		1664188	249.48	ug/l	92
8) 767-58-8	8.380		1839119	275.70	ug/l	70
9) UNKNOWN	8.510		1464527	219.55	ug/l	--
10) 17301-23-4	8.860		1928500	289.10	ug/l	56
11) 17057-82-8	9.080		1276703	191.39	ug/l	49
12) 4175-53-5	9.180		1632864	244.78	ug/l	49
13) UNKNOWN	9.390		1048390	157.16	ug/l	--

(#) = qualifier out of range (m) = manual integration (+) = signals summed

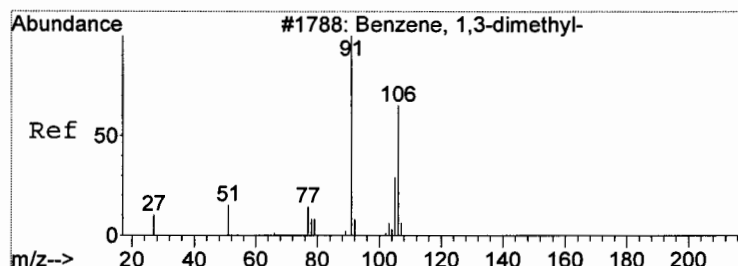
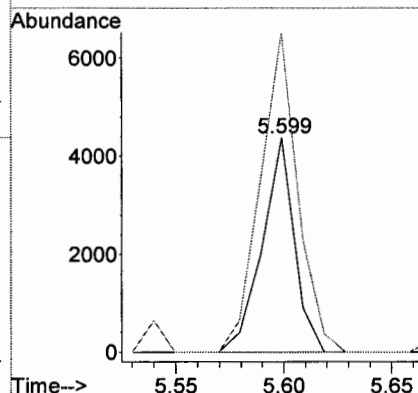
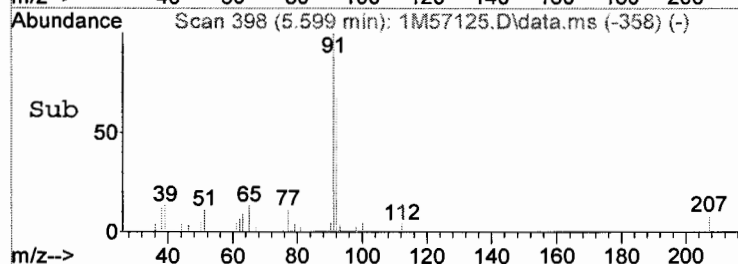
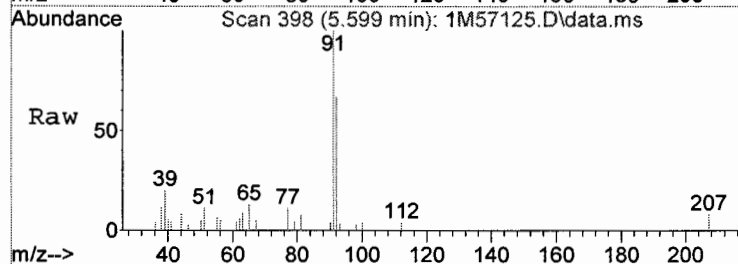
la





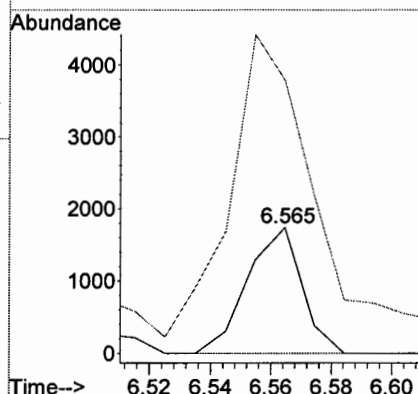
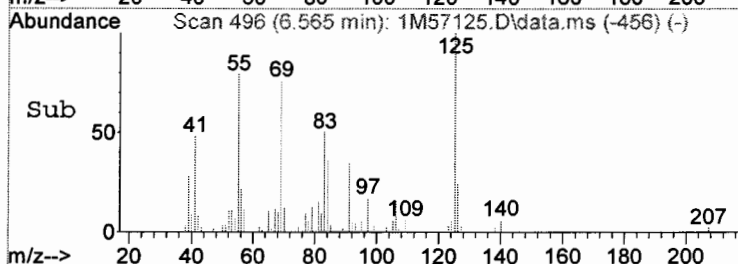
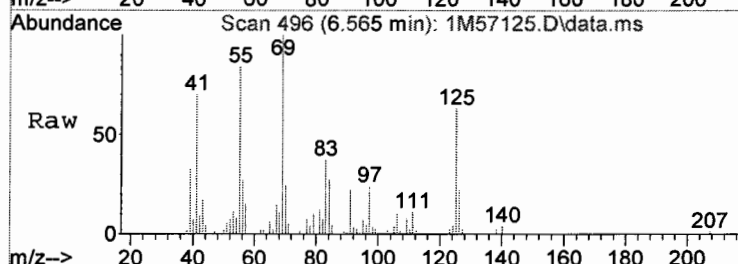
#60
Toluene
Concen: 2.56 ug/l
RT: 5.599 min Scan# 398
Delta R.T. -0.009 min
Lab File: 1M57125.D
Acq: 10 May 2010 15:24

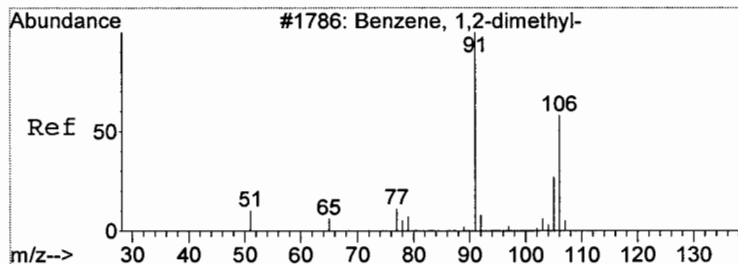
Tgt Ion: 92 Resp: 4523
Ion Ratio Lower Upper
92 100
91 148.8 104.1 242.9



#69
m&p-Xylenes
Concen: 2.08 ug/l
RT: 6.565 min Scan# 496
Delta R.T. -0.010 min
Lab File: 1M57125.D
Acq: 10 May 2010 15:24

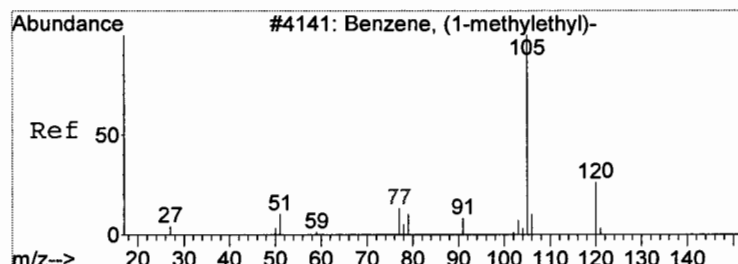
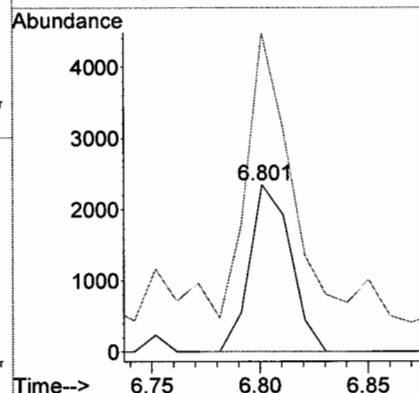
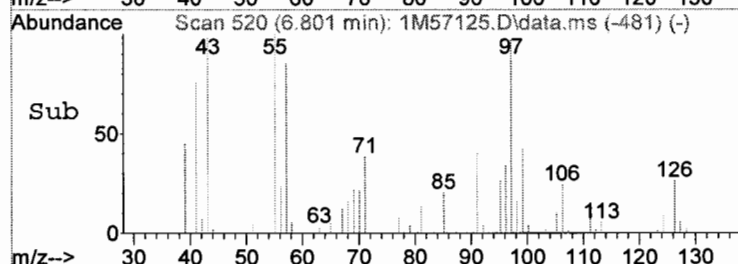
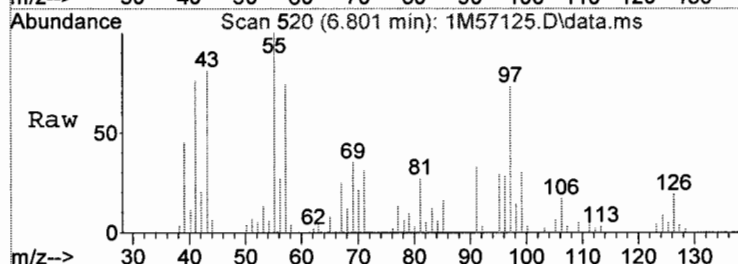
Tgt Ion: 106 Resp: 2197
Ion Ratio Lower Upper
106 100
91 174.6 132.0 308.0





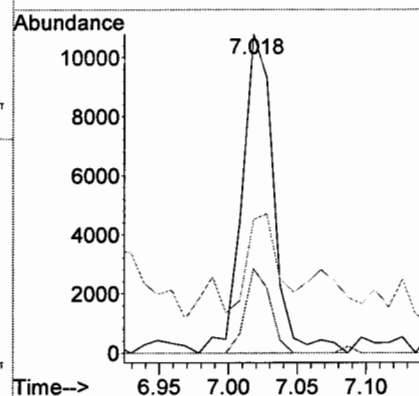
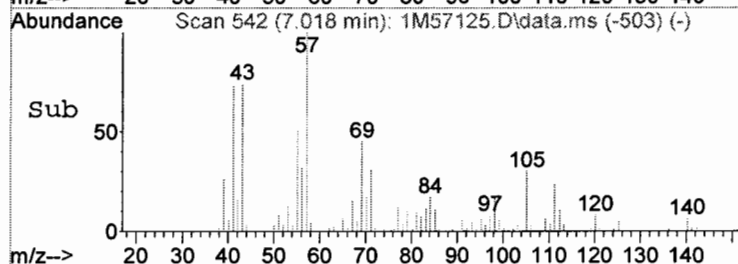
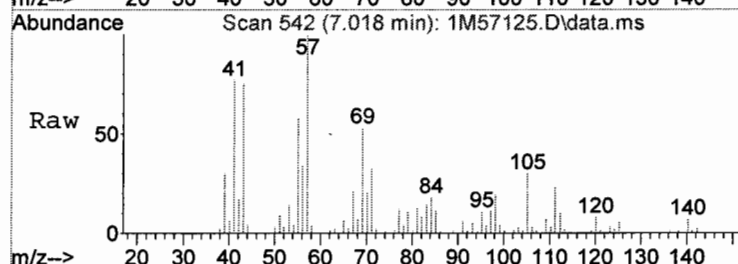
#70
o-Xylene
Concen: 3.05 ug/l
RT: 6.801 min Scan# 520
Delta R.T. -0.020 min
Lab File: 1M57125.D
Acq: 10 May 2010 15:24

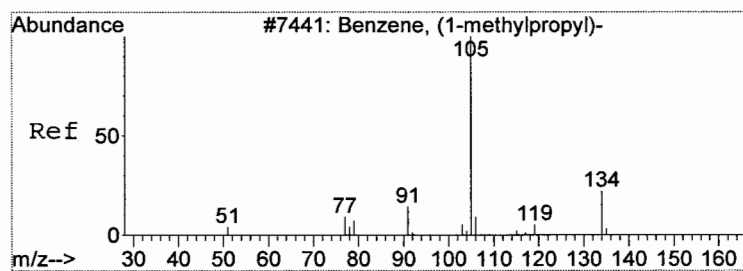
Tgt Ion: 106 Resp: 3115
Ion Ratio Lower Upper
106 100
91 161.4 129.1 301.1



#75
Isopropylbenzene
Concen: 6.07 ug/l
RT: 7.018 min Scan# 542
Delta R.T. -0.020 min
Lab File: 1M57125.D
Acq: 10 May 2010 15:24

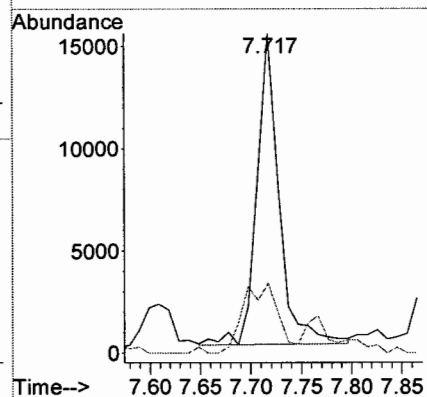
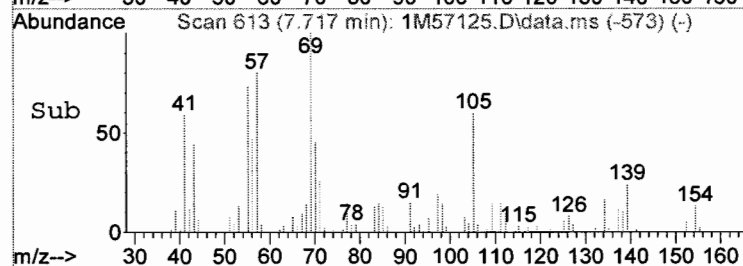
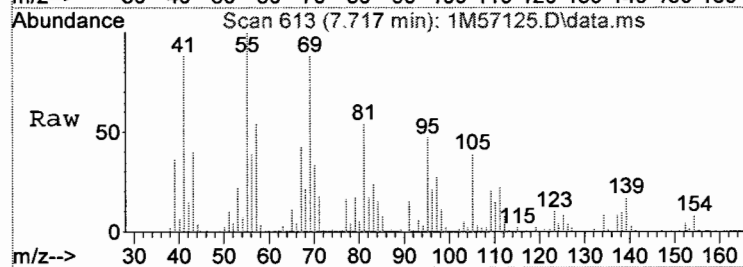
Tgt Ion: 105 Resp: 17372
Ion Ratio Lower Upper
105 100
120 20.8 0.0 66.9
77 40.8 0.0 58.3





#86
sec-Butylbenzene
Concen: 7.55 ug/l
RT: 7.717 min Scan# 613
Delta R.T. -0.010 min
Lab File: 1M57125.D
Acq: 10 May 2010 15:24

Tgt Ion:	105	Resp:	23232
Ion Ratio	Lower	Upper	
105	100		
134	35.1	0.0	61.8



Data Path : G:\GcMsData\2010\GCMS_1\Data\05-10-10\
 Data File : 1M57125.D
 Acq On : 10 May 2010 15:24
 Operator : WP
 Sample : AC51387-006(5X)
 Misc : S,5G!7
 ALS Vial : 58 Sample Multiplier: 1

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 1000 Area counts

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0430.M
 Title : @GCMS_1,ug,624,8260

Signal : TIC: 1M57125.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.292	4	5	12	rVB	58889	84868	3.11%	0.199%
2	1.543	15	20	21	rBV4	6921	31840	1.17%	0.075%
3	1.694	27	29	32	rBV4	3232	11954	0.44%	0.028%
4	1.794	32	35	38	rVV4	5212	26643	0.98%	0.063%
5	1.878	38	40	41	rVV2	6846	15437	0.57%	0.036%
6	1.912	41	42	44	rVV2	7290	18896	0.69%	0.044%
7	1.962	44	45	48	rVV2	6886	18200	0.67%	0.043%
8	2.029	48	49	54	rVB	1798	5985	0.22%	0.014%
9	2.466	76	80	82	rBV	2142	3147	0.12%	0.007%
10	2.624	93	96	98	rBV2	1678	2784	0.10%	0.007%
11	2.791	111	113	117	rVB	7030	9726	0.36%	0.023%
12	4.141	247	250	253	rBV	56602	77520	2.84%	0.182%
13	4.239	256	260	265	rVB2	4554	7815	0.29%	0.018%
14	4.308	265	267	270	rVB2	4219	4760	0.17%	0.011%
15	4.368	270	273	277	rBV	44319	63266	2.32%	0.149%
16	4.535	288	290	293	rVB	4916	5986	0.22%	0.014%
17	4.594	293	296	299	rBV	129793	176113	6.46%	0.413%
18	4.949	327	332	337	rVB2	41961	76156	2.79%	0.179%
19	5.057	341	343	345	rBV2	5357	6208	0.23%	0.015%
20	5.106	345	348	350	rVB2	7867	11262	0.41%	0.026%
21	5.195	353	357	362	rBV	13404	20681	0.76%	0.049%
22	5.274	362	365	367	rBV3	14255	26191	0.96%	0.061%
23	5.304	367	368	374	rVB2	38955	63500	2.33%	0.149%
24	5.392	374	377	382	rVB	38224	64128	2.35%	0.151%
25	5.481	382	386	389	rBV3	10662	22760	0.83%	0.053%
26	5.550	389	393	396	rBV2	194740	340530	12.49%	0.799%
27	5.599	396	398	399	rVB	8658	6460	0.24%	0.015%
28	5.619	399	400	401	rBV	5268	4573	0.17%	0.011%
29	5.648	401	403	408	rVB4	60682	120081	4.40%	0.282%
30	5.727	408	411	412	rBV	12968	18779	0.69%	0.044%
31	5.767	412	415	418	rVB	59853	83739	3.07%	0.197%
32	5.826	418	421	425	rBV3	71398	111804	4.10%	0.262%
33	5.885	425	427	429	rVB	28174	35508	1.30%	0.083%
34	5.934	429	432	435	rVB	98336	140513	5.15%	0.330%
35	6.003	435	439	443	rBV	59741	132897	4.87%	0.312%

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-10-10\
 Data File : 1M57125.D
 Acq On : 10 May 2010 15:24
 Operator : WP
 Sample : AC51387-006 (5X)
 Misc : S,5G!7
 ALS Vial : 58 Sample Multiplier: 1

Integration Parameters: RTEINT.P

Integrator: RTE
 Smoothing : ON
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0

Filtering: 5
 Min Area: 1000 Area counts
 Max Peaks: 100
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0430.M
 Title : @GCMS_1,ug,624,8260

36	6.062	443	445	446	rBV2	33140	45650	1.67%	0.107%
37	6.102	446	449	451	rBV	94091	163492	6.00%	0.384%
38	6.141	451	453	458	rVB	310784	400223	14.68%	0.939%
39	6.210	458	460	462	rBV	128093	148540	5.45%	0.349%
40	6.249	462	464	469	rVB2	228173	353503	12.97%	0.830%
41	6.318	469	471	474	rBV	204707	269151	9.87%	0.632%
42	6.358	474	475	479	rVB3	38614	59226	2.17%	0.139%
43	6.427	479	482	486	rBV	121605	200120	7.34%	0.470%
44	6.505	486	490	491	rBV2	108451	183822	6.74%	0.432%
45	6.545	491	494	496	rBV3	105093	175607	6.44%	0.412%
46	6.604	496	500	503	rVB3	270870	656099	24.06%	1.540%
47	6.673	503	507	508	rBV2	53490	107182	3.93%	0.252%
48	6.712	508	511	513	rVB	141583	186062	6.82%	0.437%
49	6.771	513	517	521	rBV3	303211	761500	27.93%	1.788%
50	6.840	521	524	527	rVB	607906	936785	34.36%	2.199%
51	6.939	527	534	537	rBV3	551387	1776397	65.15%	4.170%
52	6.988	537	539	541	rBV3	97131	115877	4.25%	0.272%
53	7.057	541	546	551	rVB3	519858	1290078	47.32%	3.028%
54	7.136	551	554	556	rVB2	341029	560976	20.57%	1.317%
55	7.185	556	559	563	rBV5	152632	366999	13.46%	0.861%
56	7.244	563	565	568	rVB	576186	789371	28.95%	1.853%
57	7.304	568	571	573	rBV3	150833	340107	12.47%	0.798%
58	7.363	573	577	580	rBV4	375414	983996	36.09%	2.310%
59	7.471	585	588	590	rBV3	266331	507748	18.62%	1.192%
60	7.520	590	593	596	rVV2	664926	1232299	45.20%	2.893%
61	7.560	596	597	601	rVB3	217333	399996	14.67%	0.939%
62	7.619	601	603	605	rBV2	305775	498063	18.27%	1.169%
63	7.668	605	608	610	rVB	328417	496549	18.21%	1.166%
64	7.757	610	617	625	rBV8	585539	2726534	100.00%	6.400%
65	7.875	625	629	633	rVB3	298322	554258	20.33%	1.301%
66	7.964	633	638	642	rBV3	313077	864979	31.72%	2.030%
67	8.023	642	644	646	rVB3	19271	24911	0.91%	0.058%
68	8.102	646	652	656	rBV4	696131	1901698	69.75%	4.464%
69	8.170	656	659	660	rVV	241716	425061	15.59%	0.998%
70	8.200	660	662	665	rVV2	436106	778618	28.56%	1.828%
71	8.279	665	670	674	rVB4	678754	1664188	61.04%	3.907%
72	8.377	674	680	683	rBV2	730219	1839119	67.45%	4.317%
73	8.417	683	684	686	rVV2	192169	204701	7.51%	0.481%
74	8.456	686	688	690	rVV2	277257	452437	16.59%	1.062%
75	8.505	690	693	695	rVV2	703965	1464527	53.71%	3.438%

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-10-10\
 Data File : 1M57125.D
 Acq On : 10 May 2010 15:24
 Operator : WP
 Sample : AC51387-006(5X)
 Misc : S,5G!7
 ALS Vial : 58 Sample Multiplier: 1

Integration Parameters: RTEINT.P

Integrator: RTE
 Smoothing : ON
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0

Filtering: 5
 Min Area: 1000 Area counts
 Max Peaks: 100
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0430.M
 Title : @GCMS_1,ug,624,8260

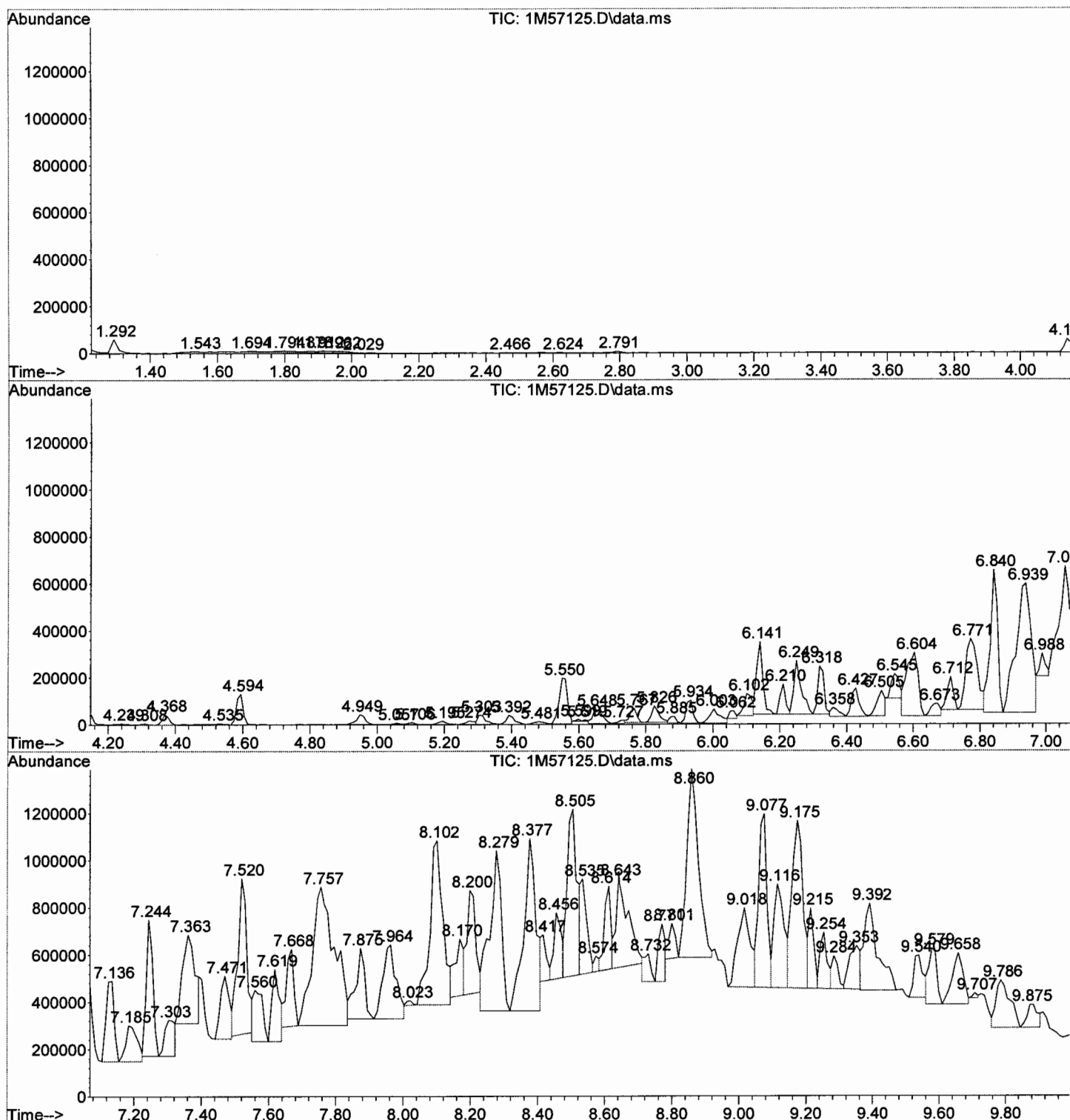
76	8.535	695	696	699	rVV2	396412	480766	17.63%	1.129%
77	8.574	699	700	701	rVV	63922	70880	2.60%	0.166%
78	8.614	701	704	705	rVV	350831	491035	18.01%	1.153%
79	8.643	705	707	714	rVV5	363703	956459	35.08%	2.245%
80	8.732	714	716	718	rVB2	118159	153643	5.64%	0.361%
81	8.771	718	720	721	rBV	243331	349235	12.81%	0.820%
82	8.801	721	723	725	rVB	145054	194701	7.14%	0.457%
83	8.860	725	729	735	rBV5	799850	1928500	70.73%	4.527%
84	9.018	740	745	748	rBV3	335316	900767	33.04%	2.114%
85	9.077	748	751	753	rVV	736220	1276703	46.83%	2.997%
86	9.116	753	755	758	rVV2	438809	941565	34.53%	2.210%
87	9.175	758	761	764	rVV2	709245	1632864	59.89%	3.833%
88	9.215	764	765	767	rVV	339864	343162	12.59%	0.806%
89	9.254	767	769	771	rVV	237959	368375	13.51%	0.865%
90	9.284	771	772	775	rVV	140714	167348	6.14%	0.393%
91	9.353	775	779	780	rVV3	184684	435246	15.96%	1.022%
92	9.392	780	783	791	rVB6	366945	1048390	38.45%	2.461%
93	9.540	795	798	800	rBV3	178663	349658	12.82%	0.821%
94	9.579	800	802	805	rVB2	238824	397340	14.57%	0.933%
95	9.658	805	810	813	rBV4	218194	512183	18.79%	1.202%
96	9.707	813	815	816	rBV2	21406	20955	0.77%	0.049%
97	9.786	820	823	829	rVB5	200837	602563	22.10%	1.414%
98	9.875	829	832	835	rBV4	97574	220806	8.10%	0.518%

Sum of corrected areas: 42600303

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-10-10\
Data File : 1M57125.D
Acq On : 10 May 2010 15:24
Operator : WP
Sample : AC51387-006(5X)
Misc : S,5G!7
ALS Vial : 58 Sample Multiplier: 1

Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0430.M
Quant Title : @GCMS_1,ug,624,8260

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P



Data Path : G:\GcMsData\2010\GCMS_1\Data\05-10-10\
Data File : 1M57125.D
Acq On : 10 May 2010 15:24
Operator : WP
Sample : AC51387-006(5X)
Misc : S,5G!7
ALS Vial : 58 Sample Multiplier: 1

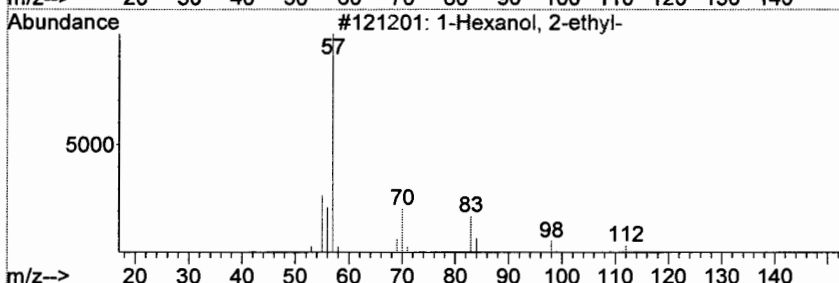
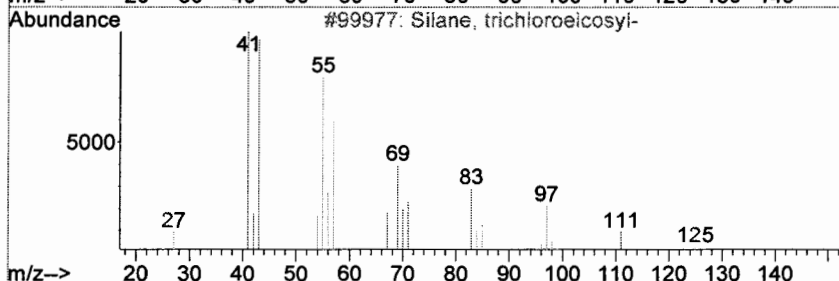
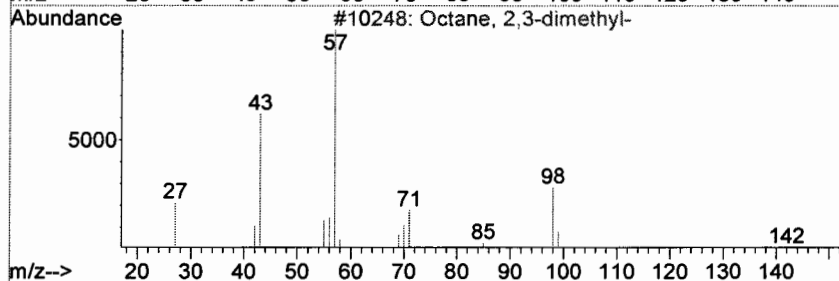
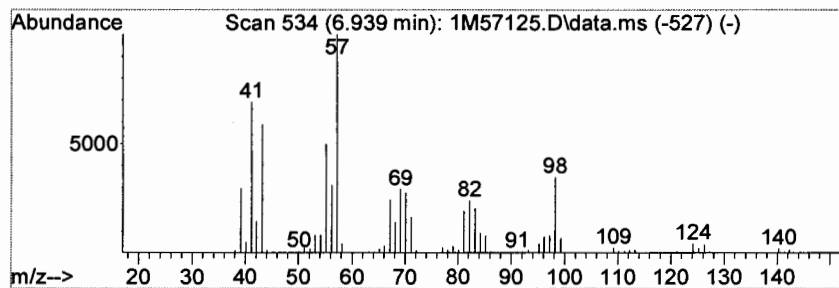
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Quant Title : @GCMS_1,ug,624,8260

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

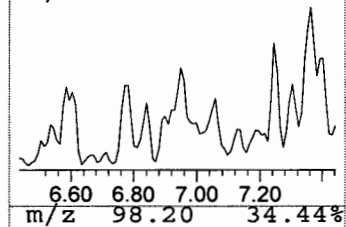
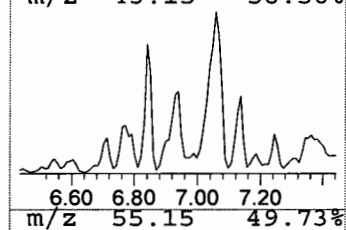
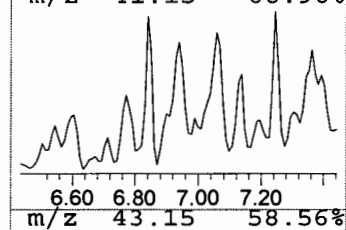
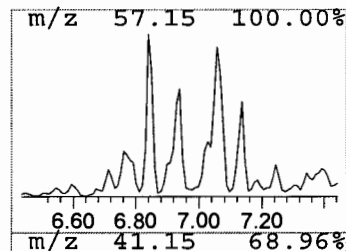
Peak Number 1 unknown Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.94	266.30 ug/l	1776397	LibIS-Chlorobenzene-d5	6.43

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	27
2		Silane, trichloroeicosyl-	414	C20H41Cl3Si	018733-57-8	22
3		1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	43
4		1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	43
5		2,2-DIDEUTERO OCTADECANAL	268	C18H34D2O	056555-07-8	14



1M_S0430.M Wed May 12 12:38:27 2010 RPT1



Data Path : G:\GcMsData\2010\GCMS_1\Data\05-10-10\
Data File : 1M57125.D
Acq On : 10 May 2010 15:24
Operator : WP
Sample : AC51387-006(5X)
Misc : S,5G17
ALS Vial : 58 Sample Multiplier: 1

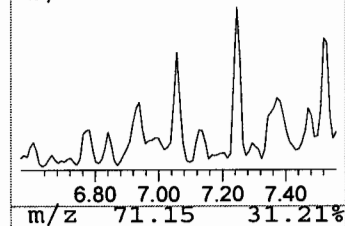
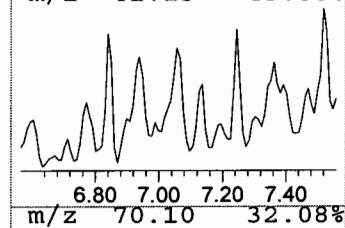
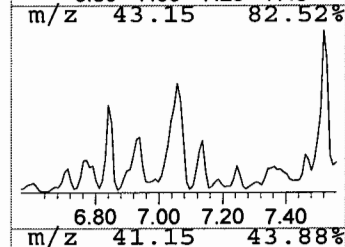
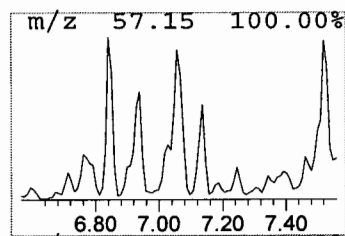
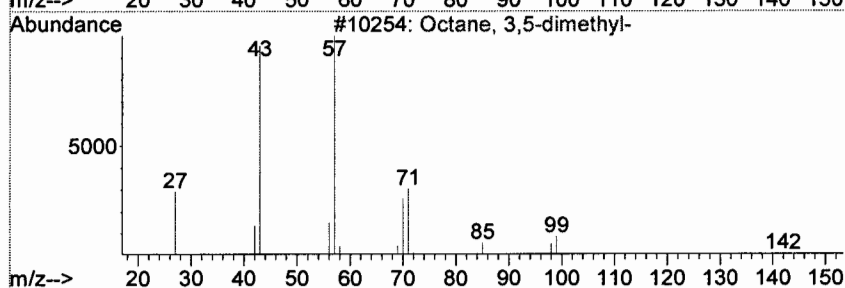
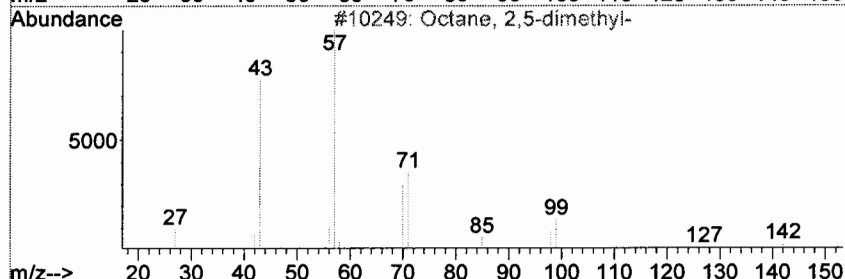
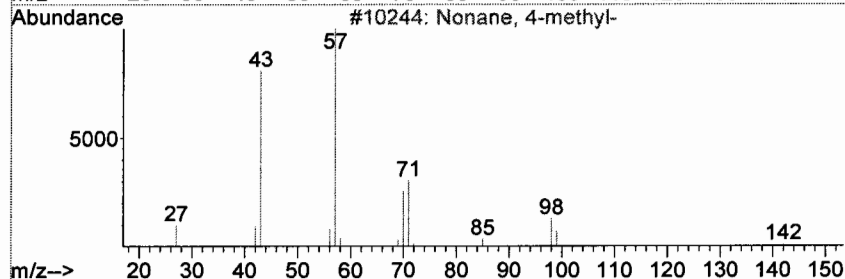
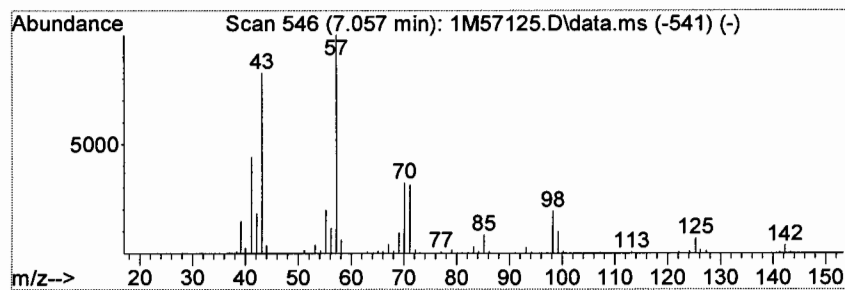
Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0430.M
Quant Title : @GCMS_1,ug,624,8260

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Nonane, 4-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.06	193.40 ug/l	1290078	LibIS-Chlorobenzene-d5	6.43

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Nonane, 4-methyl-	142	C10H22	017301-94-9	72
2			Octane, 2,5-dimethyl-	142	C10H22	015869-89-3	68
3			Octane, 3,5-dimethyl-	142	C10H22	015869-93-9	42
4			Heptane, 2,3,4-trimethyl-	142	C10H22	052896-95-4	40
5			Octane, 2,5-dimethyl-	142	C10H22	015869-89-3	53



Data Path : G:\GcMsData\2010\GCMS_1\Data\05-10-10\
Data File : 1M57125.D
Acq On : 10 May 2010 15:24
Operator : WP
Sample : AC51387-006 (5X)
Misc : S,5G!7
ALS Vial : 58 Sample Multiplier: 1

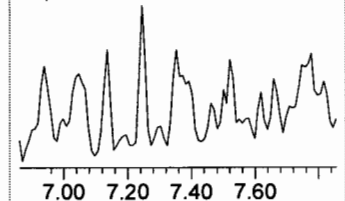
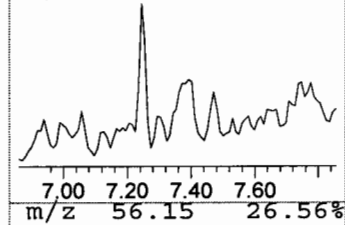
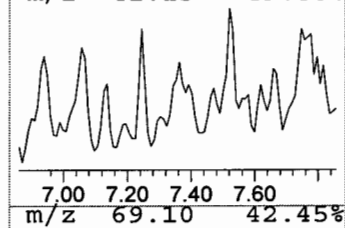
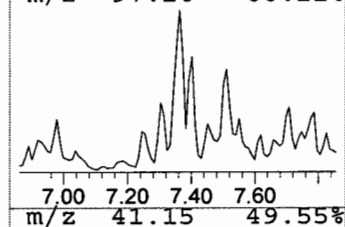
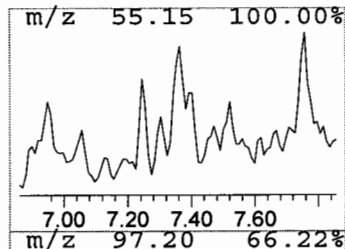
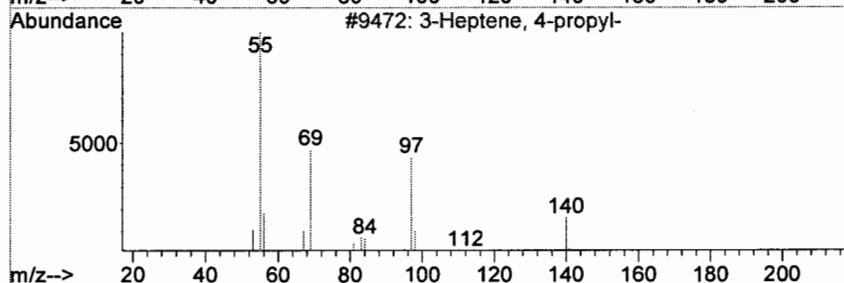
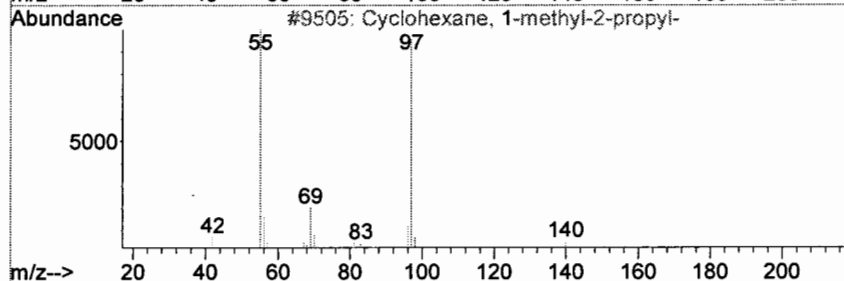
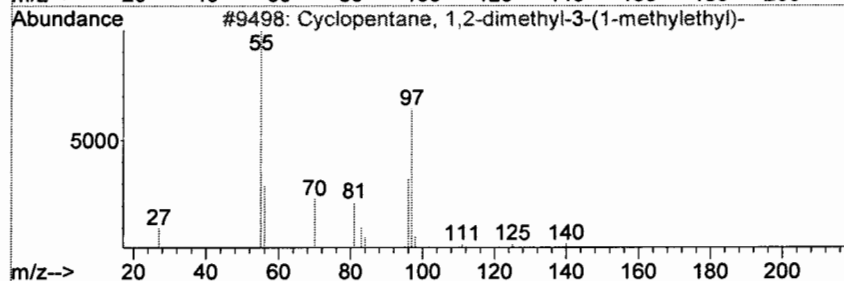
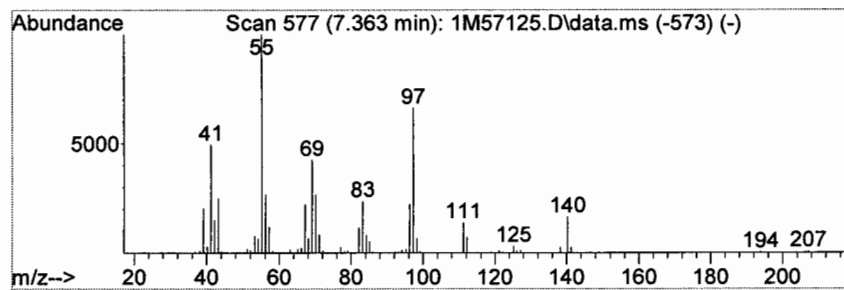
Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0430.M
Quant Title : @GCMS_1,ug,624,8260

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Cyclopentane, 1,2-dimethyl-... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.36	147.51 ug/l	983996	LibIS-Chlorobenzene-d5	6.43

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopentane, 1,2-dimethyl-3-(1-...	140	C10H20	000489-20-3	50
2		Cyclohexane, 1-methyl-2-propyl-	140	C10H20	004291-79-6	22
3		3-Heptene, 4-propyl-	140	C10H20	004485-13-6	25
4		Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	35
5		Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	38



Data Path : G:\GcMsData\2010\GCMS_1\Data\05-10-10\
Data File : 1M57125.D
Acq On : 10 May 2010 15:24
Operator : WP
Sample : AC51387-006(5X)
Misc : S,5G!7
ALS Vial : 58 Sample Multiplier: 1

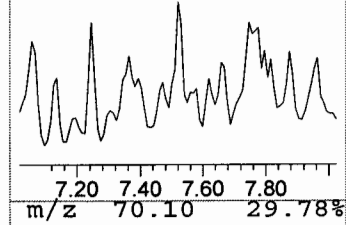
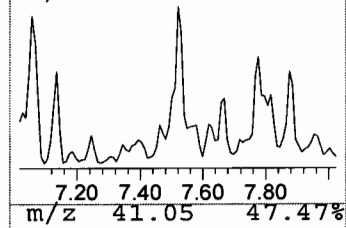
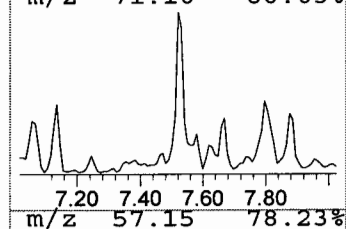
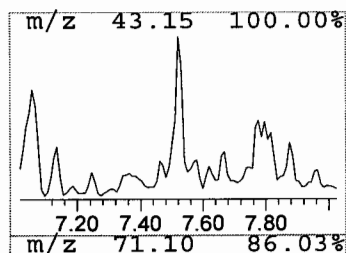
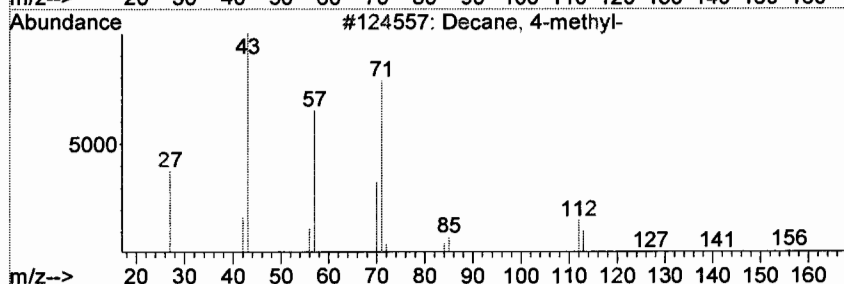
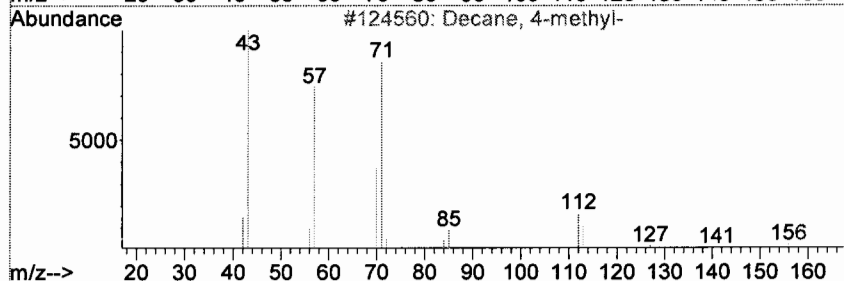
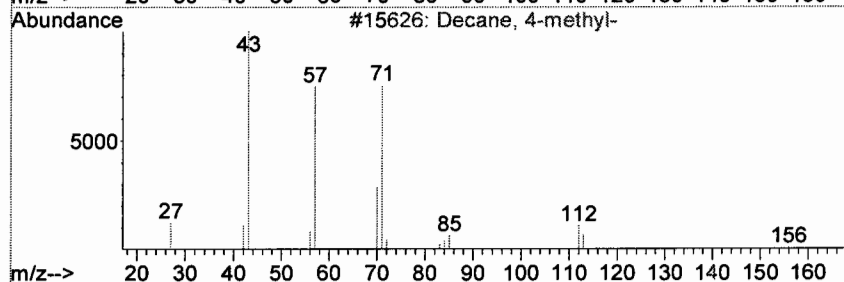
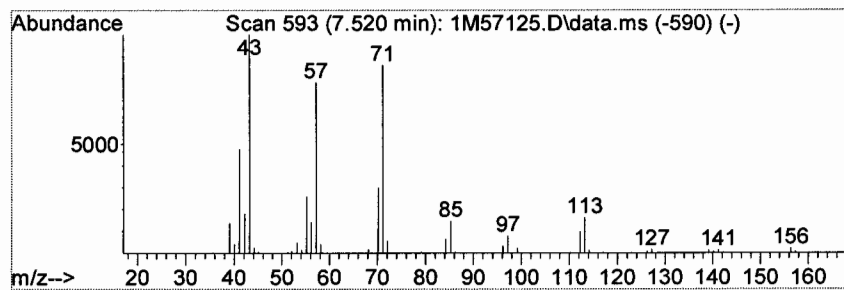
Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0430.M
Quant Title : @GCMS_1,ug,624,8260

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Decane, 4-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.52	184.73 ug/l	1232299	LibIS-Chlorobenzene-d5	6.43

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Decane, 4-methyl-	156	C11H24	002847-72-5	80
2			Decane, 4-methyl-	156	C11H24	002847-72-5	49
3			Decane, 4-methyl-	156	C11H24	002847-72-5	76
4			Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	72
5			Octane, 3,3-dimethyl-	142	C10H22	004110-44-5	72



Data Path : G:\GcMsData\2010\GCMS_1\Data\05-10-10\
Data File : 1M57125.D
Acq On : 10 May 2010 15:24
Operator : WP
Sample : AC51387-006 (5X)
Misc : S,5G17
ALS Vial : 58 Sample Multiplier: 1

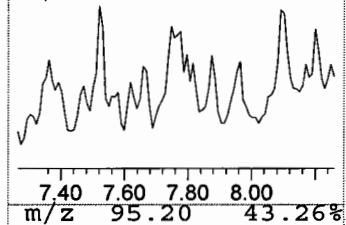
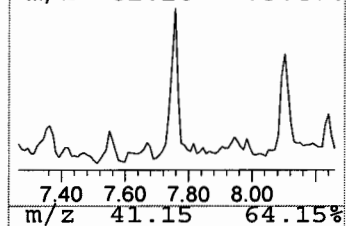
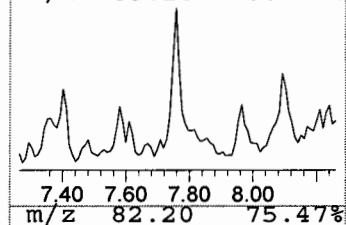
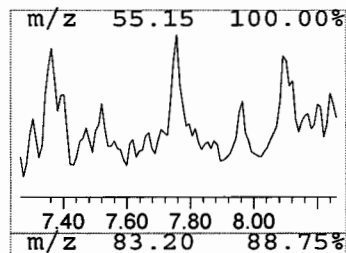
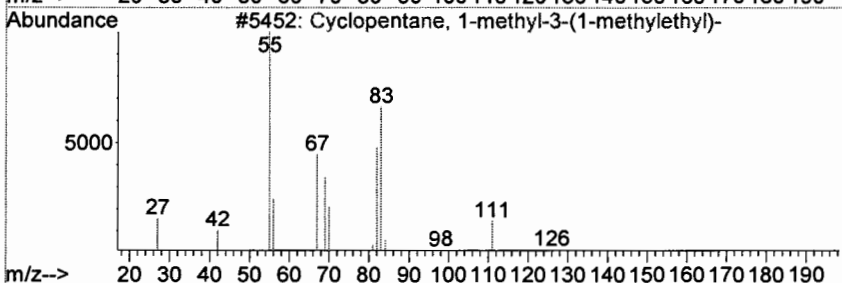
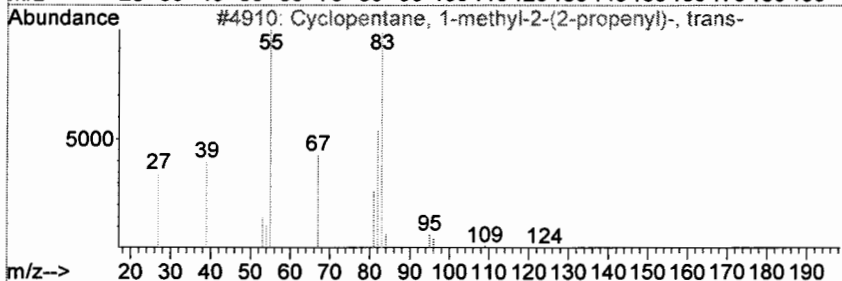
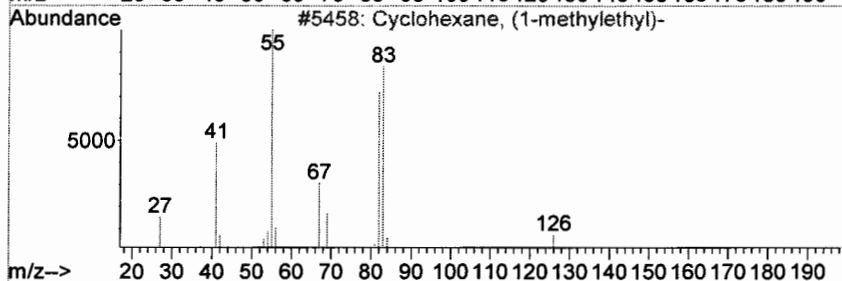
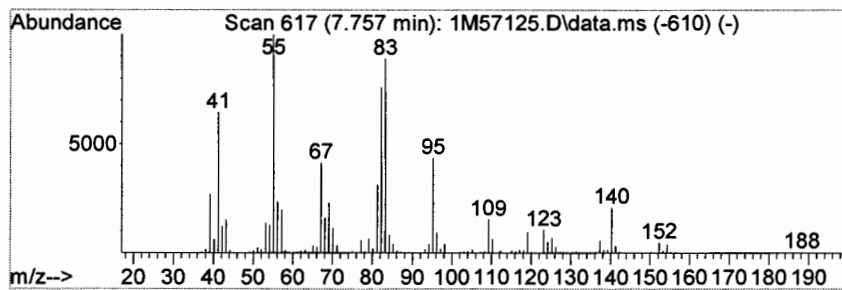
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Quant Title : @GCMS_1,ug,624,8260

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Cyclohexane, (1-methylethyl)- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.76	408.74 ug/l	2726534	LibIS-Chlorobenzene-d5	6.43

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	50
2			Cyclopentane, 1-methyl-2-(2-prop...	124	C9H16	050746-53-7	35
3			Cyclopentane, 1-methyl-3-(1-meth...	126	C9H18	053771-88-3	46
4			Cyclohexane, butyl-	140	C10H20	001678-93-9	38
5			Cyclohexane, 1-propenyl-	124	C9H16	005364-83-0	60



Data Path : G:\GcMsData\2010\GCMS_1\Data\05-10-10\
Data File : 1M57125.D
Acq On : 10 May 2010 15:24
Operator : WP
Sample : AC51387-006(5X)
Misc : S,5G!7
ALS Vial : 58 Sample Multiplier: 1

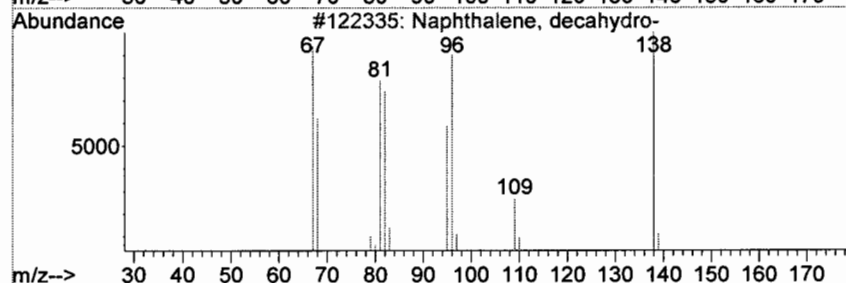
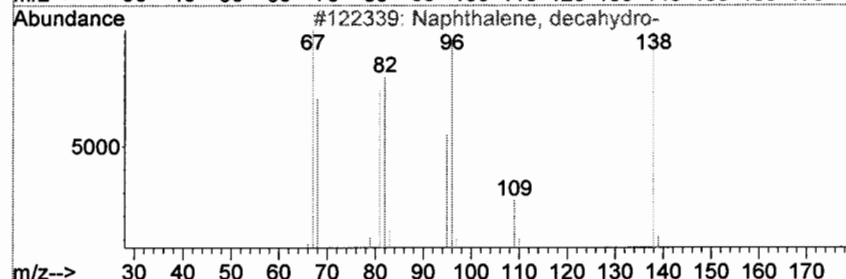
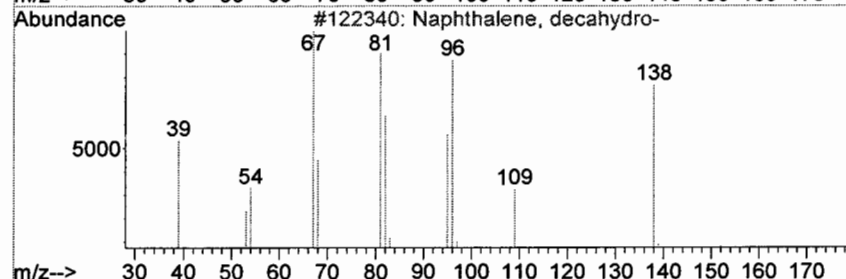
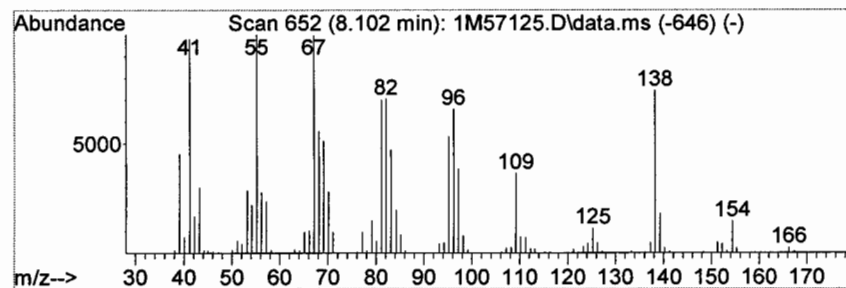
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TIC Integration Parameters: LSCINT.P

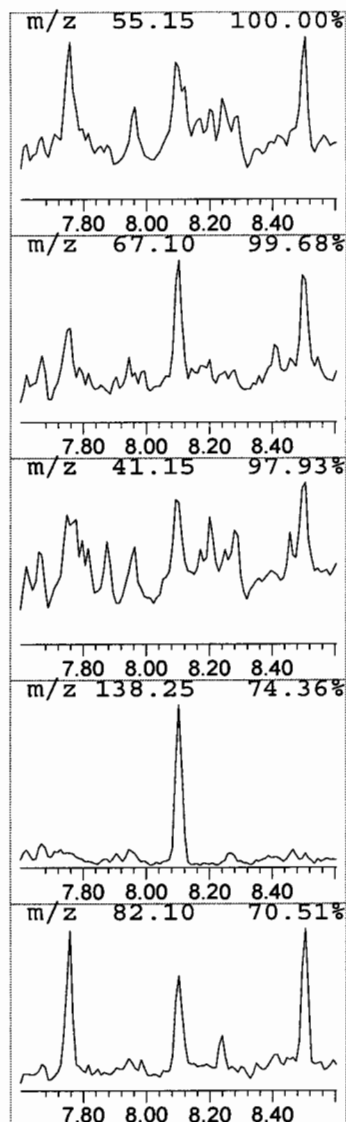
Peak Number 6 Naphthalene, decahydro- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.10	285.08 ug/l	1901698	LibIS-Chlorobenzene-d5	6.43

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, decahydro-	138	C10H18	000091-17-8	58
2		Naphthalene, decahydro-	138	C10H18	000091-17-8	96
3		Naphthalene, decahydro-	138	C10H18	000091-17-8	96
4		Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	93
5		Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	70



1M_S0430.M Wed May 12 12:38:38 2010 RPT1



Data Path : G:\GcMsData\2010\GCMS_1\Data\05-10-10\
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ALS Vial : 58 Sample Multiplier: 1

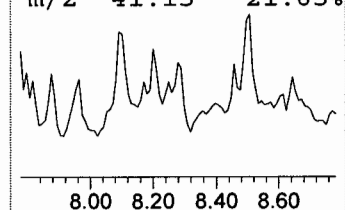
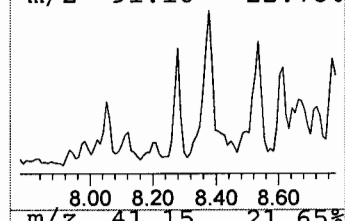
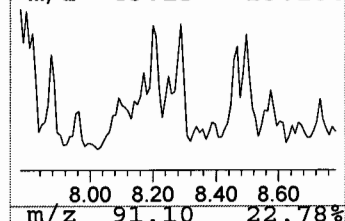
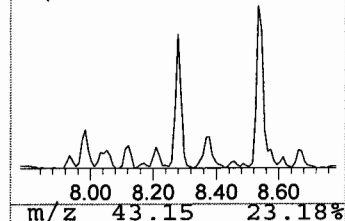
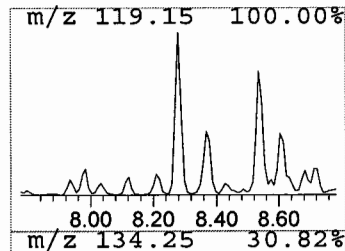
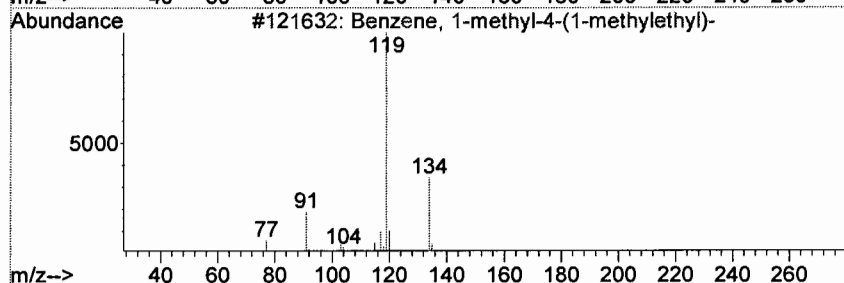
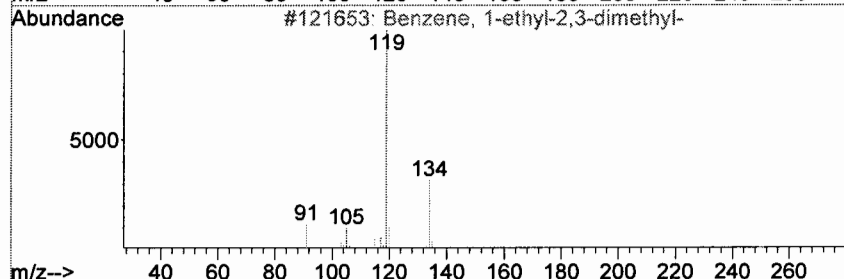
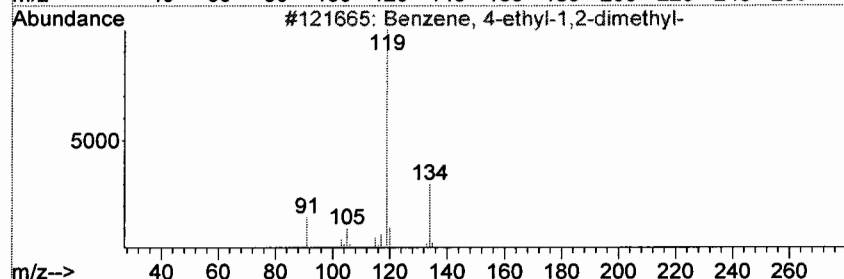
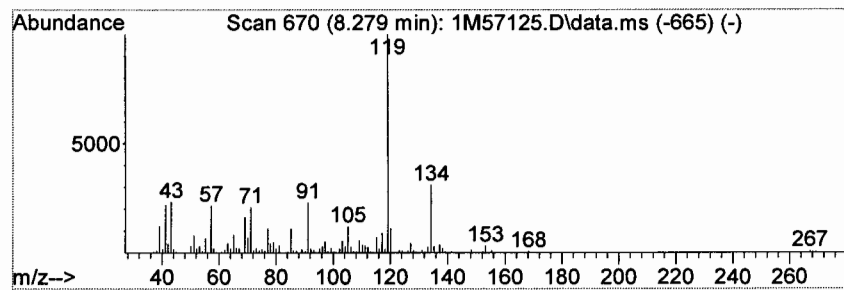
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TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.28	249.48 ug/l	1664188	LibIS-Chlorobenzene-d5	6.43

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	92
2		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	93
3		Benzene, 1-methyl-4-(1-methyleth...	134	C10H14	000099-87-6	70
4		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	70
5		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	93



Data Path : G:\GcMsData\2010\GCMS_1\Data\05-10-10\
Data File : 1M57125.D
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Operator : WP
Sample : AC51387-006(5X)
Misc : S,5G!7
ALS Vial : 58 Sample Multiplier: 1

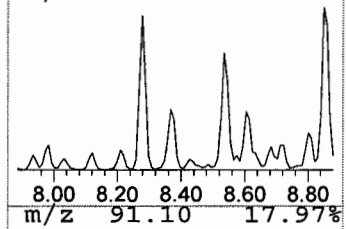
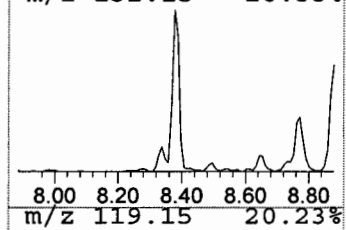
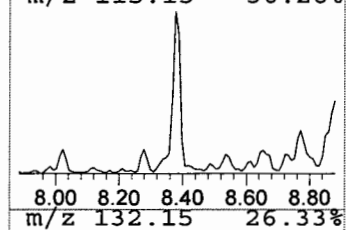
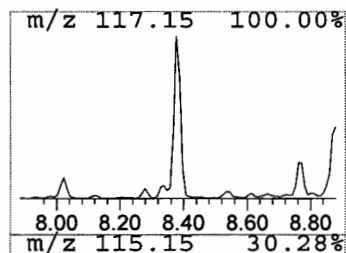
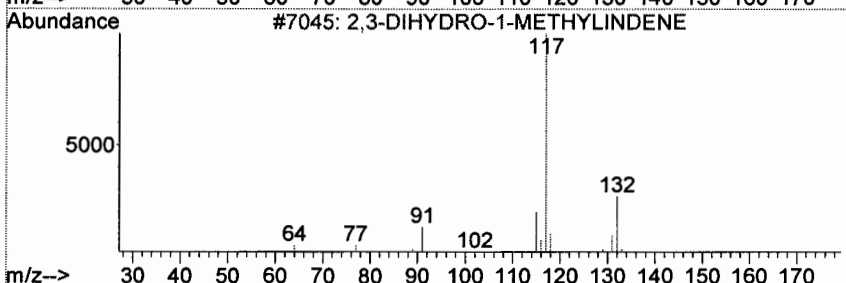
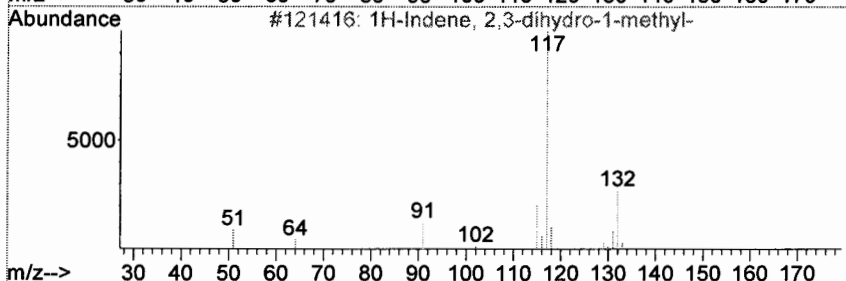
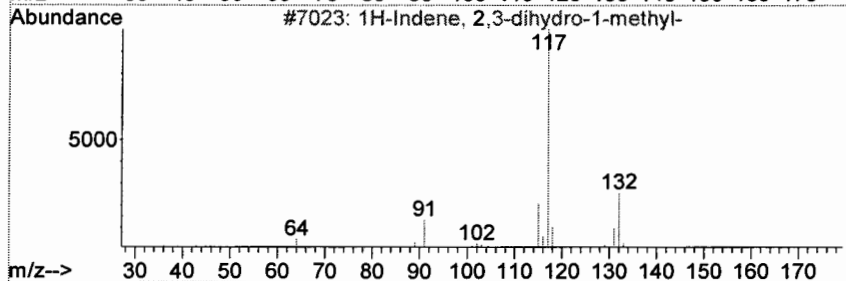
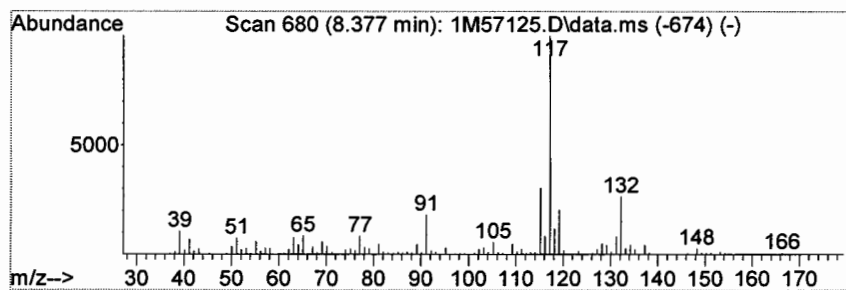
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Quant Title : @GCMS_1,ug,624,8260

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 1H-Indene, 2,3-dihydro-1-me... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.38	275.70 ug/l	1839119	LibIS-Chlorobenzene-d5	6.43

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1H-Indene, 2,3-dihydro-1-methyl-	132	C10H12	000767-58-8	70
2			1H-Indene, 2,3-dihydro-1-methyl-	132	C10H12	000767-58-8	59
3			2,3-DIHYDRO-1-METHYLINDENE	132	C10H12	027133-93-3	76
4			1H-Indene, 2,3-dihydro-1-methyl-	132	C10H12	000767-58-8	76
5			1R-METHYL-2T-PHENYLCYCLOPROPANE	132	C10H12	005070-01-9	50



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-10-10\
 Data File : 1M57125.D
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 Operator : WP
 Sample : AC51387-006(5X)
 Misc : S,5G!7
 ALS Vial : 58 Sample Multiplier: 1

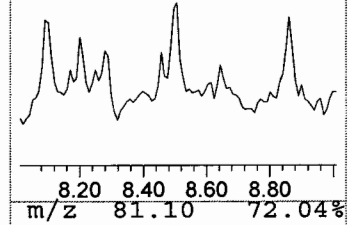
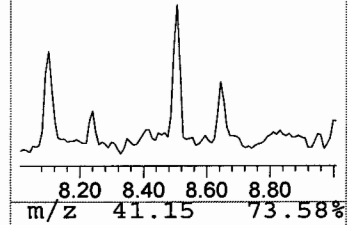
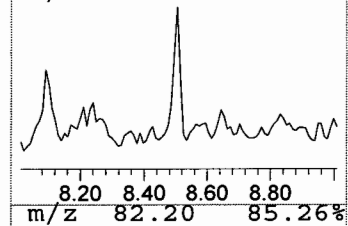
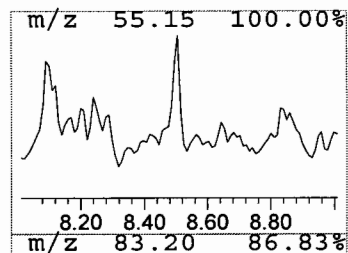
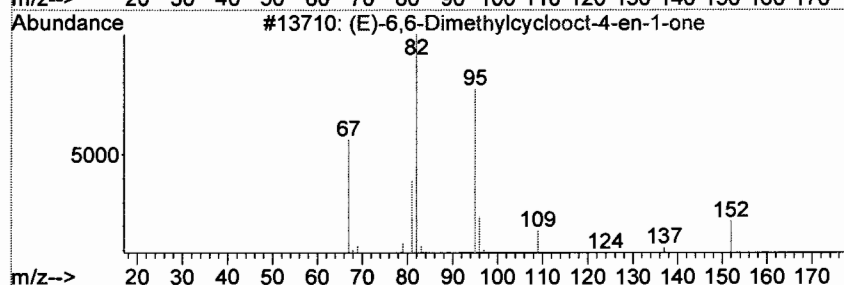
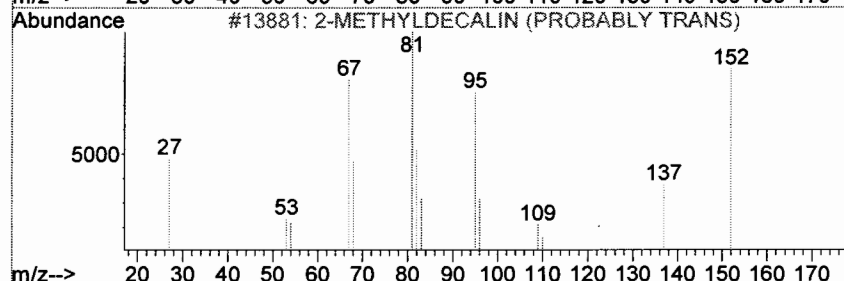
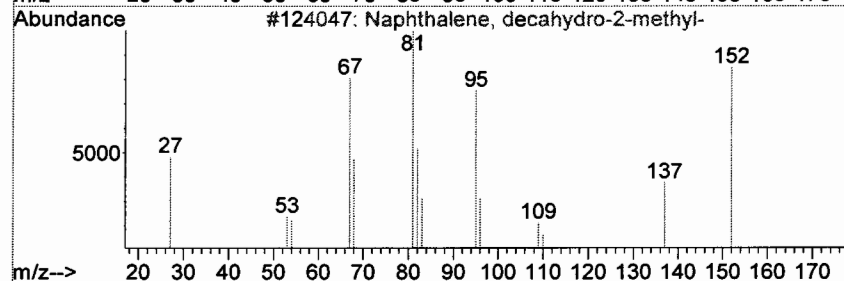
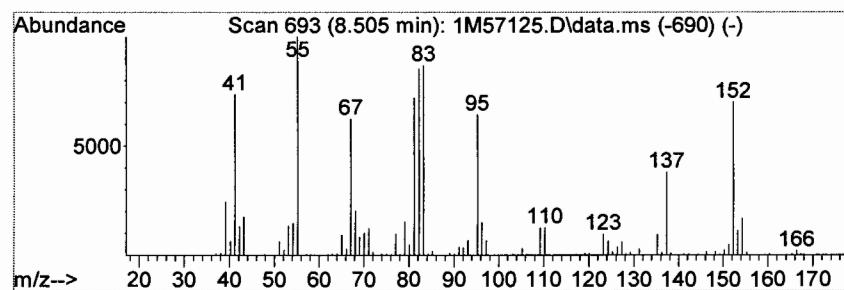
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TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 9 unknown Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.51	219.55 ug/l	1464527	LibIS-Chlorobenzene-d5	6.43

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	43
2			2-METHYLDECALIN (PROBABLY TRANS)	152	C11H20	002958-76-1	43
3			(E)-6,6-Dimethylcyclooct-4-en-1-one	152	C10H16O	091531-49-6	35
4			(-)-TRANS-CARANON- (3)	152	C10H16O	004176-04-9	43
5			CIS 3-HEXENYL TIGLATE	182	C11H18O2	000000-00-0	43



Data Path : G:\GcMsData\2010\GCMS_1\Data\05-10-10\
Data File : 1M57125.D
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Operator : WP
Sample : AC51387-006 (5X)
Misc : S,5G!7
ALS Vial : 58 Sample Multiplier: 1

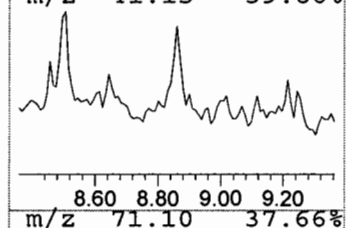
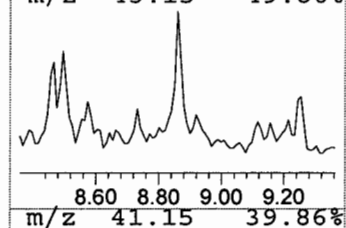
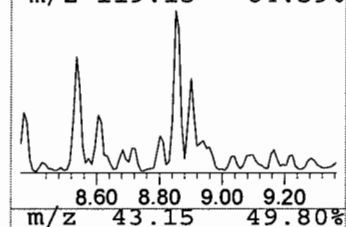
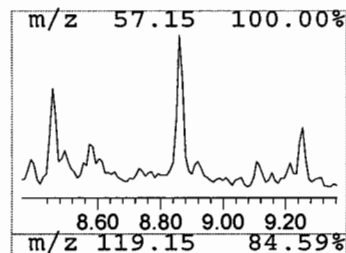
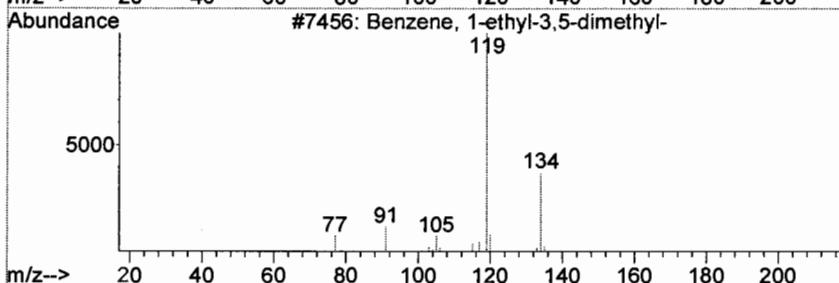
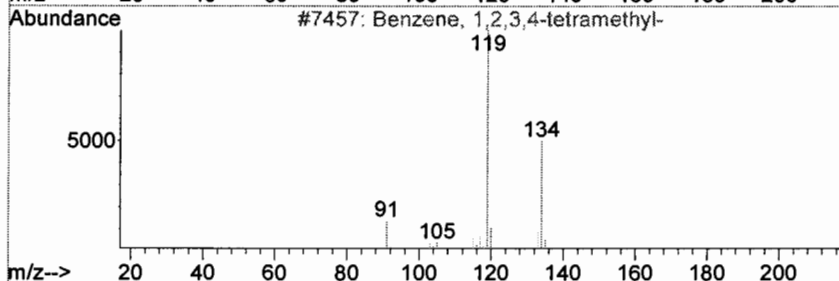
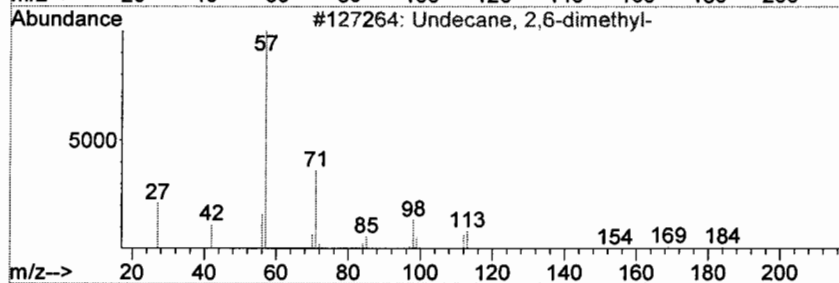
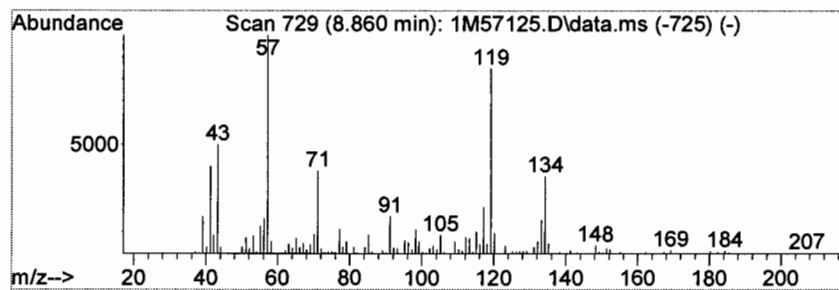
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TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 Undecane, 2,6-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.86	289.10 ug/l	1928500	LibIS-Chlorobenzene-d5	6.43

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	56
2		Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	49
3		Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	60
4		Benzene, 1-methyl-4-(1-methyleth...	134	C10H14	000099-87-6	55
5		Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	49



Data Path : G:\GcMsData\2010\GCMS_1\Data\05-10-10\
Data File : 1M57125.D
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Sample : AC51387-006(5X)
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ALS Vial : 58 Sample Multiplier: 1

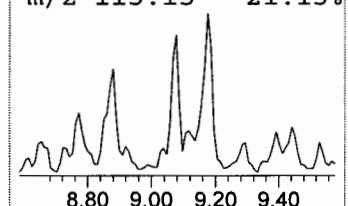
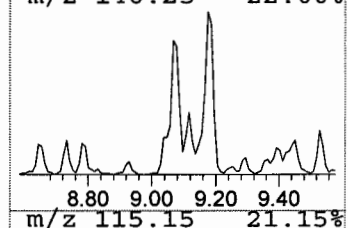
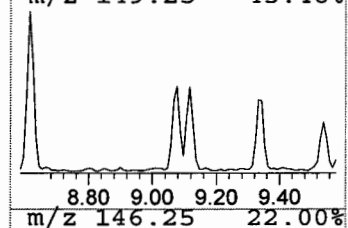
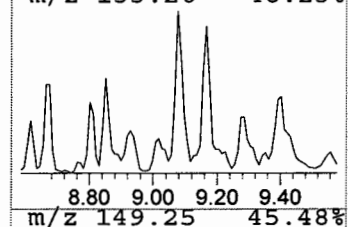
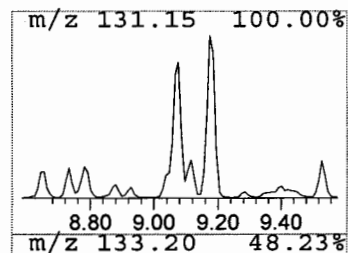
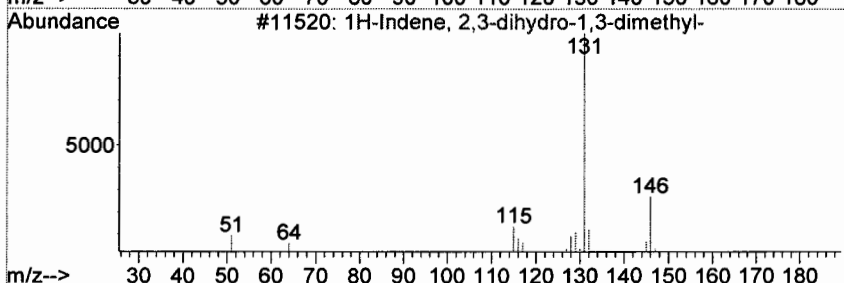
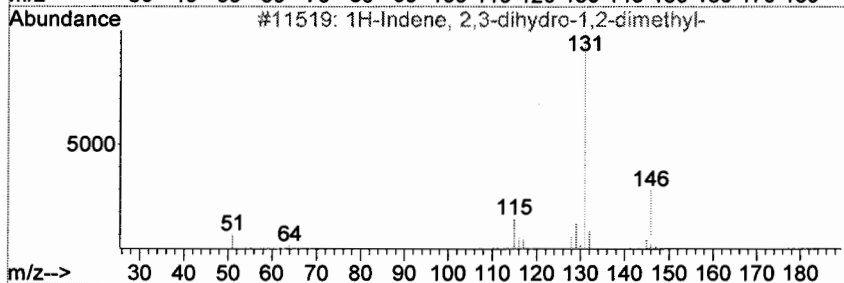
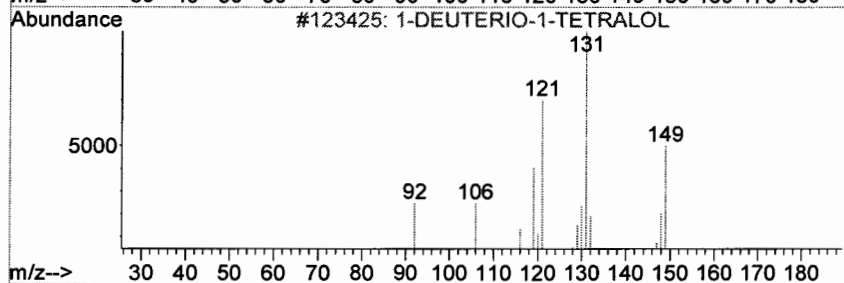
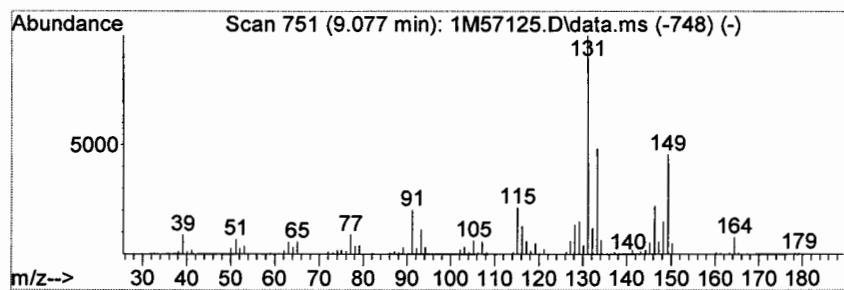
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Quant Title : @GCMS_1,ug,624,8260

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 1H-Indene, 2,3-dihydro-1,2-... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.08	191.39 ug/l	1276703	LibIS-Chlorobenzene-d5	6.43

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-DEUTERIO-1-TETRALOL	148	C10H11DO	000000-00-0	35
2			1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	49
3			1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	49
4			1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	22
5			Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	37



Data Path : G:\GcMsData\2010\GCMS_1\Data\05-10-10\
Data File : 1M57125.D
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Sample : AC51387-006(5X)
Misc : S,5G!7
ALS Vial : 58 Sample Multiplier: 1

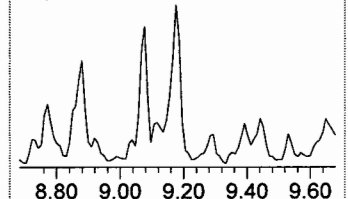
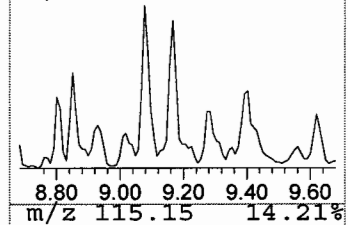
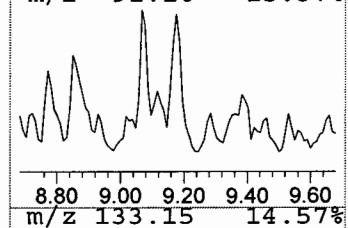
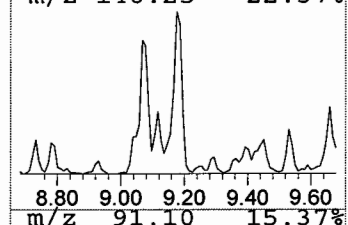
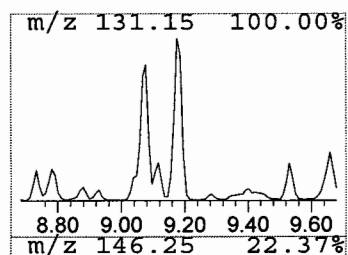
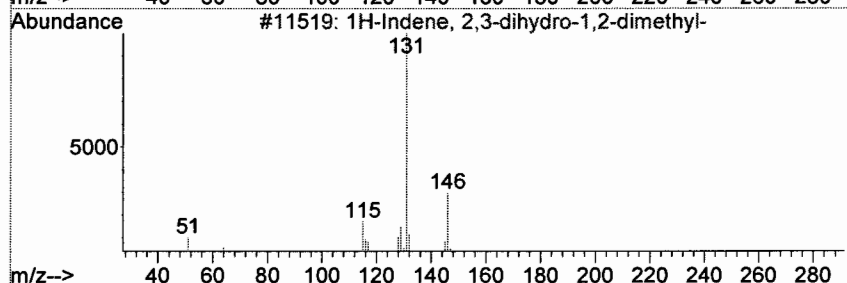
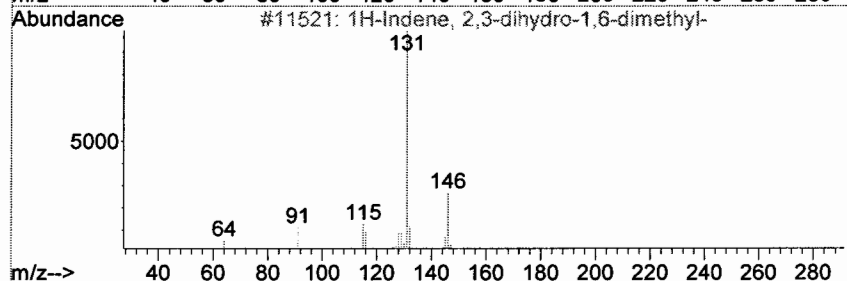
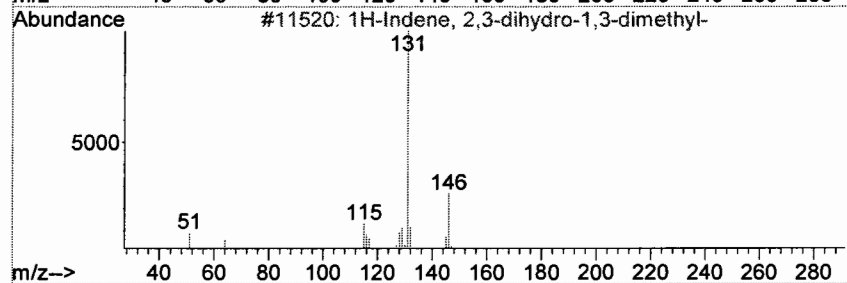
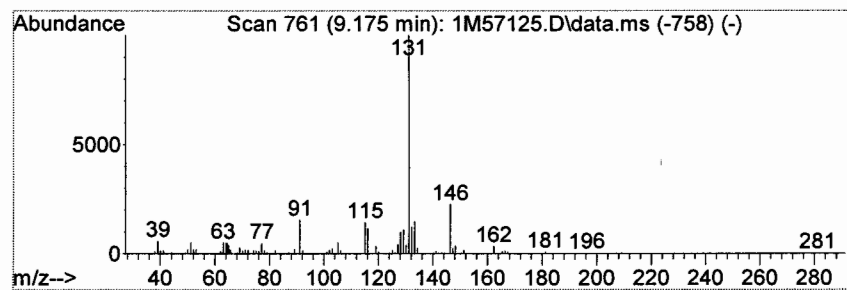
Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0430.M
Quant Title : @GCMS_1,ug,624,8260

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 1H-Indene, 2,3-dihydro-1,3-... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.18	244.78 ug/l	1632864	LibIS-Chlorobenzene-d5	6.43

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	49
2			1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	87
3			1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	80
4			Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	80
5			Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	83



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-10-10\
 Data File : 1M57125.D
 Acq On : 10 May 2010 15:24
 Operator : WP
 Sample : AC51387-006(5X)
 Misc : S,5G!7
 ALS Vial : 58 Sample Multiplier: 1

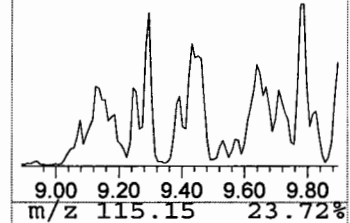
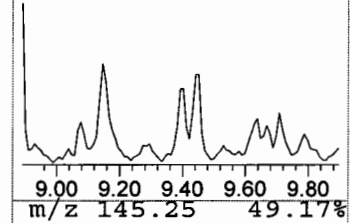
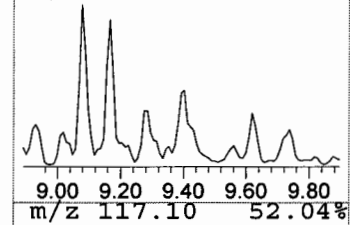
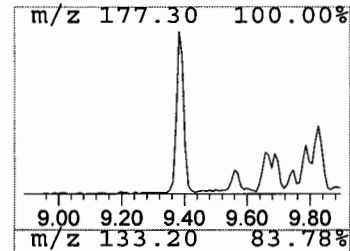
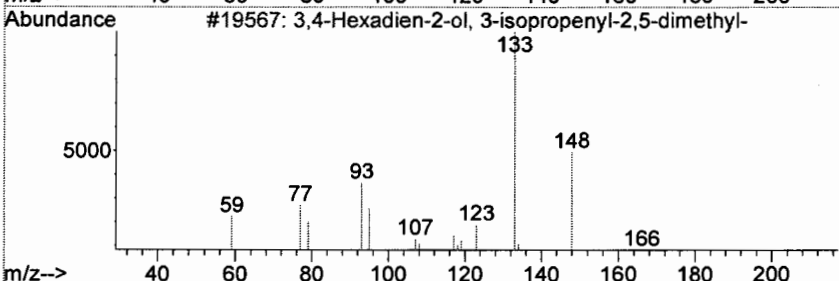
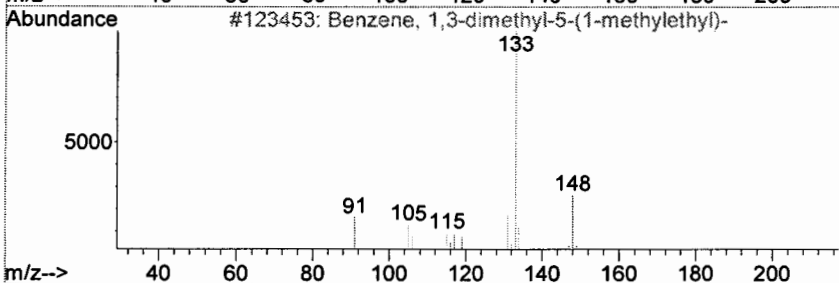
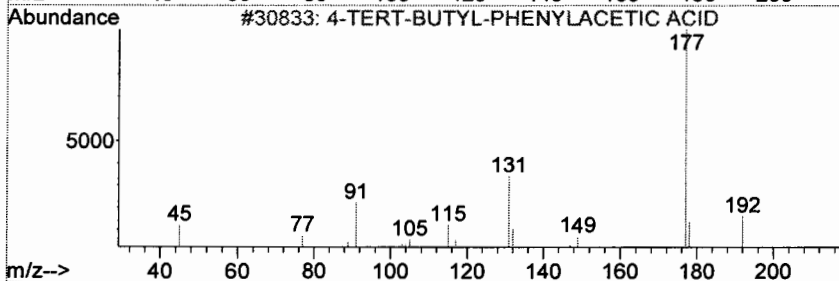
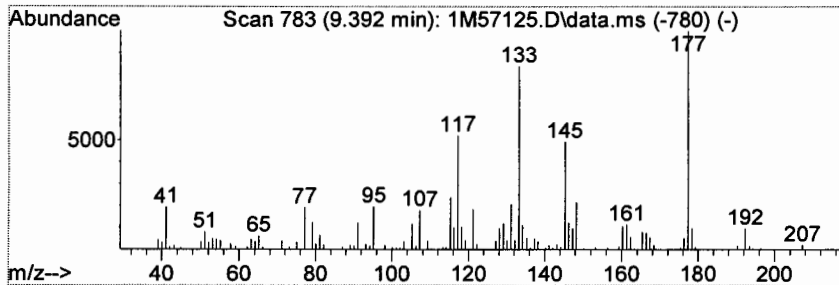
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 Quant Title : @GCMS_1,ug,624,8260

TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 13 unknown Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.39	157.16 ug/l	1048390	LibIS-Chlorobenzene-d5	6.43

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			4-TERT-BUTYL-PHENYLACETIC ACID	192	C12H16O2	032857-63-9	10
2			Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	22
3			3,4-Hexadien-2-ol, 3-isopropenyl...	166	C11H18O	015448-75-6	14
4			Benzene, 1-ethyl-2,4,5-trimethyl-	148	C11H16	017851-27-3	14
5			Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	10



Data Path : G:\GcMsData\2010\GCMS_1\Data\05-10-10\
 Data File : 1M57125.D
 Acq On : 10 May 2010 15:24
 Operator : WP
 Sample : AC51387-006(5X)
 Misc : S,5G!7
 ALS Vial : 58 Sample Multiplier: 1

Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0430.M
 Quant Title : @GCMS_1,ug,624,8260

TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	-----Internal Standard-----				
					#	ExpRT	ActRt	Resp	Conc
unknown	6.94	266.3	ug/l	1776397	2	6.43	6.43	200120	30.0
Nonane, 4-methyl-	7.06	193.4	ug/l	1290078	2	6.43	6.43	200120	30.0
Cyclopentane, 1,2...	7.36	147.5	ug/l	983996	2	6.43	6.43	200120	30.0
Decane, 4-methyl-	7.52	184.7	ug/l	1232299	2	6.43	6.43	200120	30.0
Cyclohexane, (1-m...	7.76	408.7	ug/l	2726534	2	6.43	6.43	200120	30.0
Naphthalene, deca...	8.10	285.1	ug/l	1901698	2	6.43	6.43	200120	30.0
Benzene, 4-ethyl-...	8.28	249.5	ug/l	1664188	2	6.43	6.43	200120	30.0
1H-Indene, 2,3-di...	8.38	275.7	ug/l	1839119	2	6.43	6.43	200120	30.0
unknown	8.51	219.5	ug/l	1464527	2	6.43	6.43	200120	30.0
Undecane, 2,6-dim...	8.86	289.1	ug/l	1928500	2	6.43	6.43	200120	30.0
1H-Indene, 2,3-di...	9.08	191.4	ug/l	1276703	2	6.43	6.43	200120	30.0
1H-Indene, 2,3-di...	9.18	244.8	ug/l	1632864	2	6.43	6.43	200120	30.0
unknown	9.39	157.2	ug/l	1048390	2	6.43	6.43	200120	30.0

Form1

ORGANICS VOLATILE REPORT

Sample Number: AC51387-006(5X)

Client Id: PI-01-TP-RAU5DUP42910

Data File: 1M57101.D

Analysis Date: 05/10/10 08:56

Date Rec/Extracted: 05/03/10-NA

Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B

Matrix: Soil

Initial Vol: 1.13g

Final Vol: NA

Dilution: 4.42

Solids: 84

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.026	U	56-23-5	Carbon Tetrachloride	0.026	U
79-34-5	1,1,2,2-Tetrachloroethane	0.026	U	108-90-7	Chlorobenzene	0.026	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.026	U	75-00-3	Chloroethane	0.026	U
79-00-5	1,1,2-Trichloroethane	0.026	U	67-66-3	Chloroform	0.026	U
75-34-3	1,1-Dichloroethane	0.026	U	74-87-3	Chloromethane	0.026	U
75-35-4	1,1-Dichloroethene	0.026	U	156-59-2	cis-1,2-Dichloroethene	0.026	U
96-18-4	1,2,3-Trichloropropane	0.026	U	10061-01-5	cis-1,3-Dichloropropene	0.026	U
95-63-6	1,2,4-Trimethylbenzene	0.0053	U	124-48-1	Dibromochloromethane	0.026	U
95-50-1	1,2-Dichlorobenzene	0.026	U	75-71-8	Dichlorodifluoromethane	0.026	U
107-06-2	1,2-Dichloroethane	0.026	U	100-41-4	Ethylbenzene	0.0053	U
78-87-5	1,2-Dichloropropane	0.026	U	98-82-8	Isopropylbenzene	0.0053	0.037
108-67-8	1,3,5-Trimethylbenzene	0.0053	U	136777612	m&p-Xylenes	0.0053	0.0057
541-73-1	1,3-Dichlorobenzene	0.026	U	75-09-2	Methylene Chloride	0.026	0.032
142-28-9	1,3-Dichloropropane	0.026	U	1634-04-4	Methyl-t-butyl ether	0.0053	U
106-46-7	1,4-Dichlorobenzene	0.026	U	104-51-8	n-Butylbenzene	0.0053	U
123-91-1	1,4-Dioxane	1.3	U	103-65-1	n-Propylbenzene	0.0053	U
78-93-3	2-Butanone	0.026	U	95-47-6	o-Xylene	0.0053	0.0070
110-75-8	2-Chloroethylvinylether	0.026	U	135-98-8	sec-Butylbenzene	0.0053	0.045
591-78-6	2-Hexanone	0.026	U	100-42-5	Styrene	0.026	U
99-87-6	4-Isopropyltoluene	0.0053	U	75-65-0	t-Butyl Alcohol	0.13	U
108-10-1	4-Methyl-2-Pentanone	0.026	U	98-06-6	t-Butylbenzene	0.0053	U
67-64-1	Acetone	0.13	U	127-18-4	Tetrachloroethene	0.026	U
107-02-8	Acrolein	0.13	U	108-88-3	Toluene	0.0053	U
107-13-1	Acrylonitrile	0.026	U	156-60-5	trans-1,2-Dichloroethene	0.026	U
71-43-2	Benzene	0.0053	U	10061-02-6	trans-1,3-Dichloropropene	0.026	U
75-27-4	Bromodichloromethane	0.026	U	79-01-6	Trichloroethene	0.026	U
75-25-2	Bromoform	0.026	U	75-69-4	Trichlorofluoromethane	0.026	U
74-83-9	Bromomethane	0.026	U	75-01-4	Vinyl Chloride	0.026	U
75-15-0	Carbon Disulfide	0.026	U	1330-20-7	Xylenes (Total)	0.0053	0.0127

Worksheet #: 151261

Total Target Concentration 0.13

ColumnID: (^) Indicates results from 2nd column

*U - Indicates the compound was analyzed but not detected.**B - Indicates the analyte was found in the blank as well as in the sample.**E - Indicates the analyte concentration exceeds the calibration range of the instrument.**R - Retention Time Out**J - Indicates an estimated value when a compound is detected at less than the specified detection limit.**d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.*

Form1eORGANICS VOLATILE REPORT
Tentatively Identified Compounds

Sample Number: AC51387-006(5X)	Matrix: Soil
Client Id: PI-01-TP-RAU5DUP429	Initial Vol: 1.13g
Data File: 1M57101.D	Final Vol: NA
Analysis Date: 05/10/10 08:56	Dilution: 4.42
Date Rec/Extracted: 05/03/10-NA	Solids: 84
	Method: EPA 8260B

Units: mg/Kg

	Cas #	Compound	RT	Conc
1		unknown	6.77	1.1 J
2	5911-04-6	Nonane, 3-methyl-	6.84	1.4 J
3	41453-56-9	2-Nonen-1-ol, (Z)-	6.93	2.5 J
4	17301-94-9	Nonane, 4-methyl-	7.06	1.6 J
5	63830-69-3	4-Nonene, 3-methyl-, (Z)-	7.24	1.1 J
6	4354-58-9	Cyclohexanehexanol	7.75	2.2 J
7	91-17-8	Naphthalene, decahydro-	8.10	1.7 J
8	934-80-5	Benzene, 4-ethyl-1,2-dimethyl-	8.28	1.3 J
9	767-58-8	1H-Indene, 2,3-dihydro-1-methyl-	8.38	1.2 J
10		unknown	8.86	1.1 J

Worksheet #: 151261

Total Tentatively Identified Concentration 15***A - Indicates an aldol condensate.******J - Indicates an estimated value.******B - Indicates the analyte was found in the blank as well as in the sample.******Y - Indicates the analyte was found in the blank at <10% of the concentration of the sample.******<10% - Indicates the analyte was found in the blank at < 10% of nearest Internal Standard***

Quantitation Report (QT/LSC Reviewed)

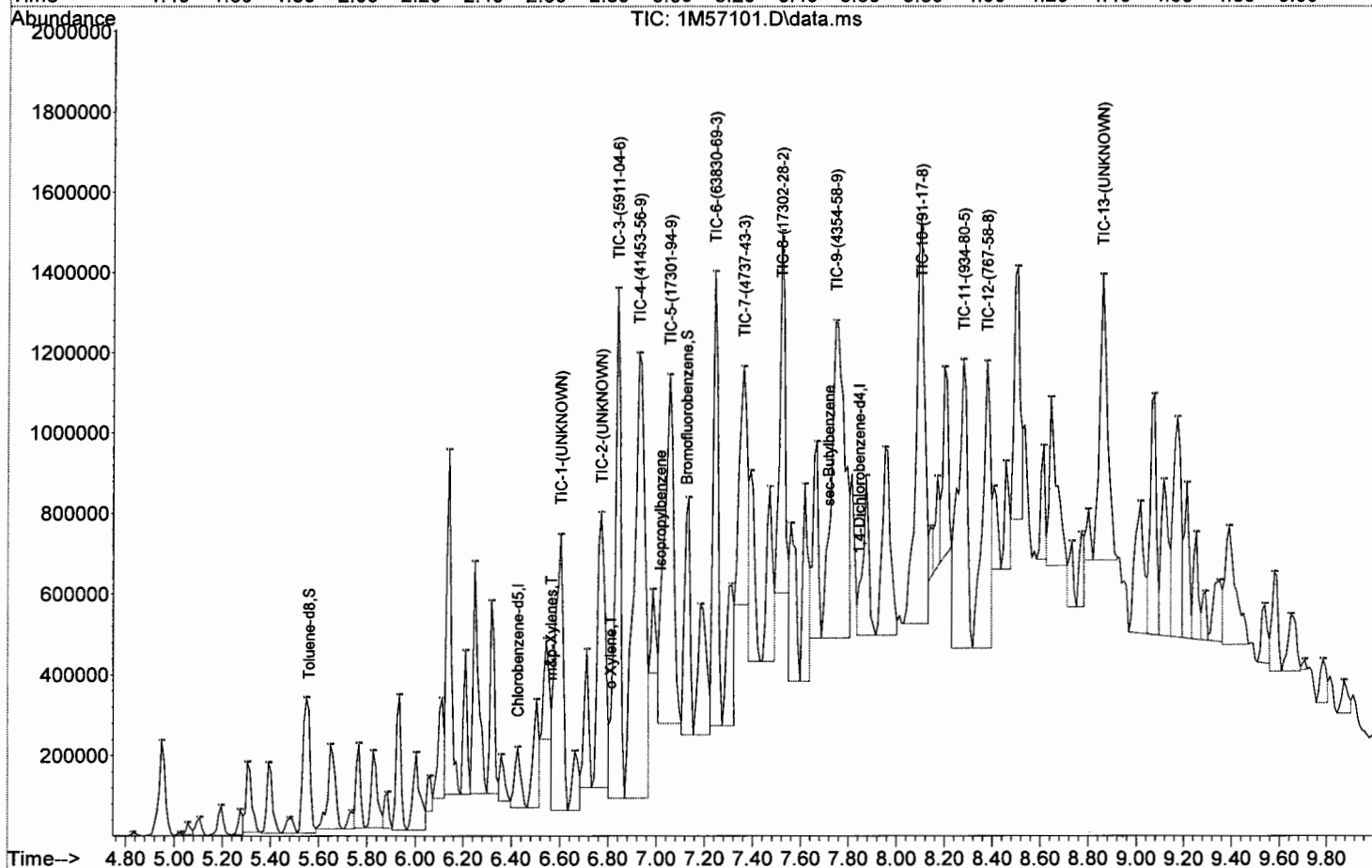
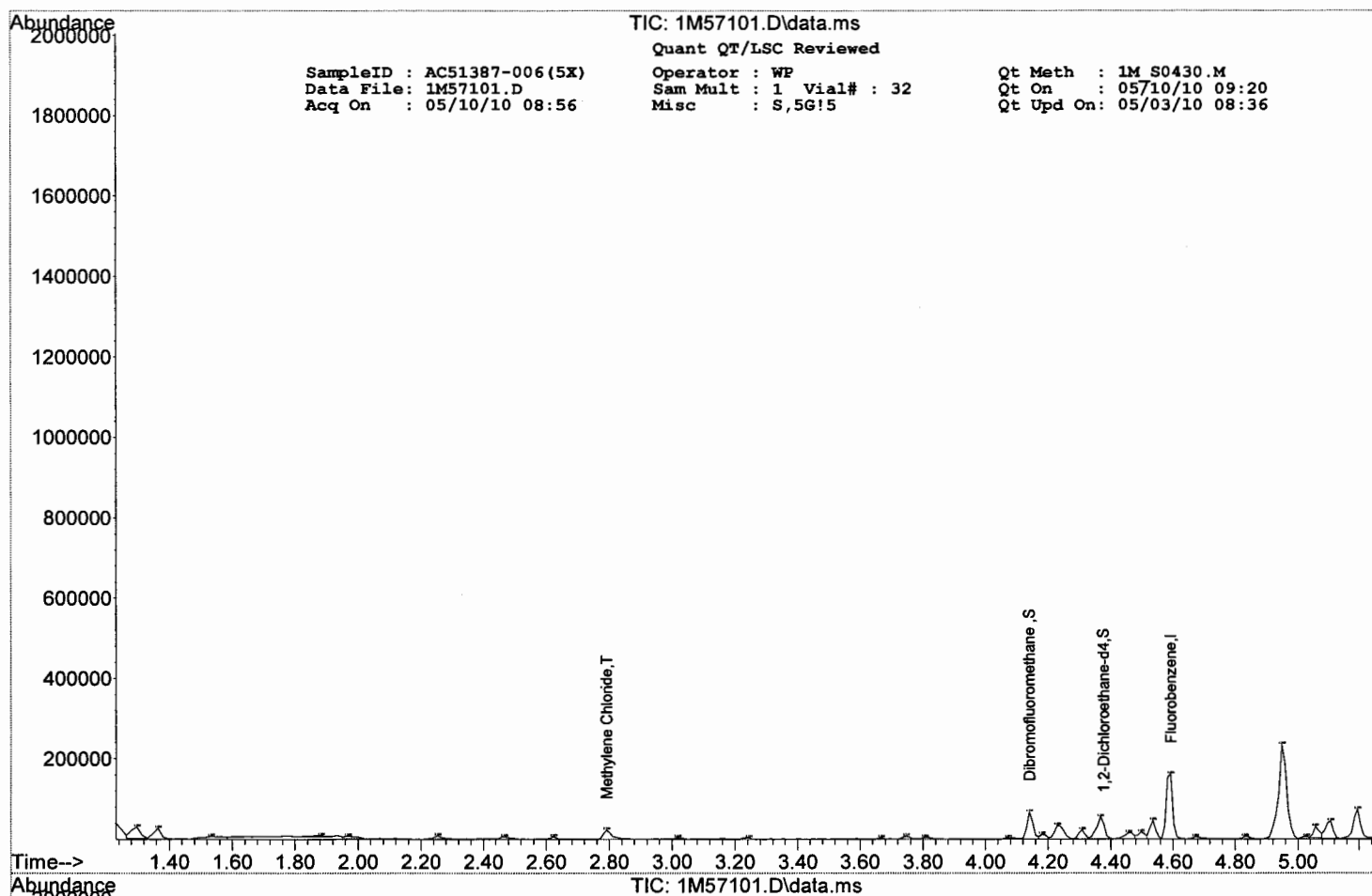
SampleID : AC51387-006(5X) Operator : WP Qt Meth : 1M_S0430.M
 Data File: 1M57101.D Sam Mult : 1 Vial# : 32 Qt On : 05/10/10 09:20
 Acq On : 05/10/10 08:56 Misc : S,5G!5 Qt Upd On: 05/03/10 08:36

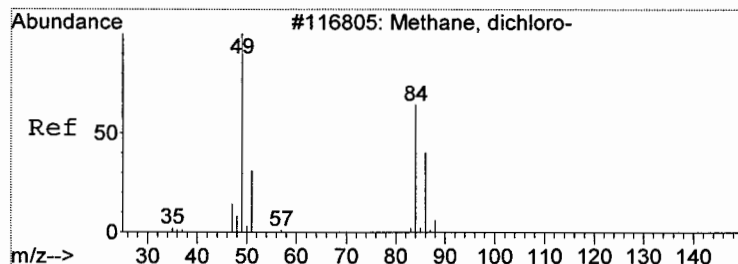
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 Qt Path : G:\GcMsData\2010\GCMS_1\MethodQt\
 Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
4) Fluorobenzene	4.594	96	82603	30.00	ug/l	0.00
48) Chlorobenzene-d5	6.426	117	48014	30.00	ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.845	152	31912	30.00	ug/l	0.00
System Monitoring Compounds						
33) Dibromofluoromethane	4.141	111	23923	33.19	ug/l	-0.02
Spiked Amount 30.000			Recovery	=	110.63%	
35) 1,2-Dichloroethane-d4	4.377	102	4059	28.78	ug/l	0.00
Spiked Amount 30.000			Recovery	=	95.93%	
59) Toluene-d8	5.560	100	52007	36.91	ug/l	0.00
Spiked Amount 30.000			Recovery	=	123.03%	
67) Bromofluorobenzene	7.126	174	20645	21.42	ug/l	0.00
Spiked Amount 30.000			Recovery	=	71.40%	
Target Compounds						
13) Methylene Chloride	2.791	84	5969	6.03	ug/l	86
69) m&p-Xylenes	6.564	106	1441	1.08	ug/l	49
70) o-Xylene	6.811	106	1710	1.33	ug/l	74
75) Isopropylbenzene	7.018	105	24961	6.93	ug/l	62
86) sec-Butylbenzene	7.717	105	32699	8.45	ug/l	72
Library Search Internal Standards TIC Results						
1) Fluorobenzene	4.594		229616	30.00	ug/l	--
Library Search Compounds						
1) UNKNOWN	6.600		1529345	199.81	ug/l	--
2) UNKNOWN	6.770		1558693	203.65	ug/l	--
3) 5911-04-6	6.840		2066624	270.01	ug/l	94
4) 41453-56-9	6.930		3564715	465.74	ug/l	64
5) 17301-94-9	7.060		2313502	302.27	ug/l	78
6) 63830-69-3	7.240		1574238	205.68	ug/l	50
7) 4737-43-3	7.360		1345887	175.84	ug/l	50
8) 17302-28-2	7.520		1393583	182.08	ug/l	64
9) 4354-58-9	7.750		3203907	418.60	ug/l	50
10) 91-17-8	8.100		2530185	330.58	ug/l	76
11) 934-80-5	8.280		1953133	255.18	ug/l	64
12) 767-58-8	8.380		1711642	223.63	ug/l	64
13) UNKNOWN	8.860		1577012	206.04	ug/l	--

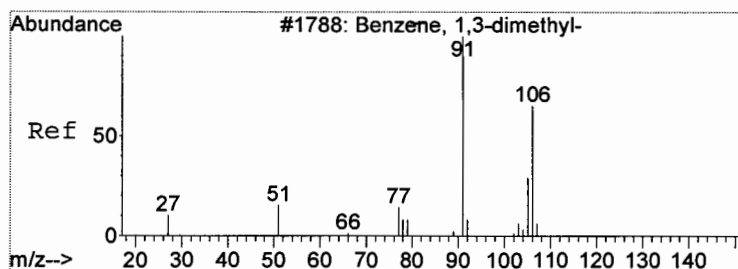
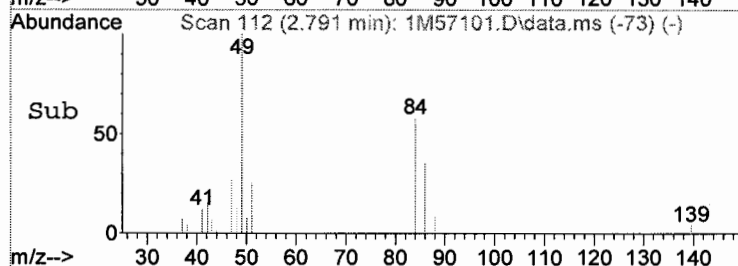
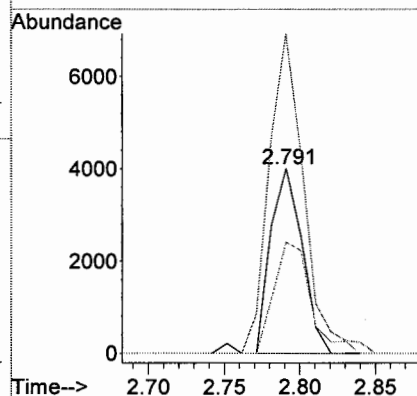
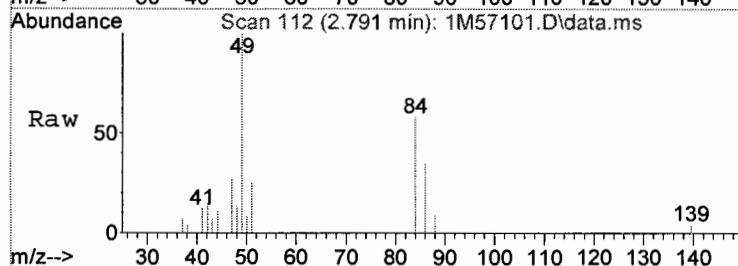
(#) = qualifier out of range (m) = manual integration (+) = signals summed





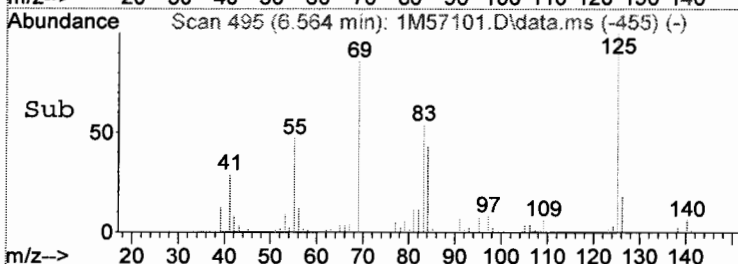
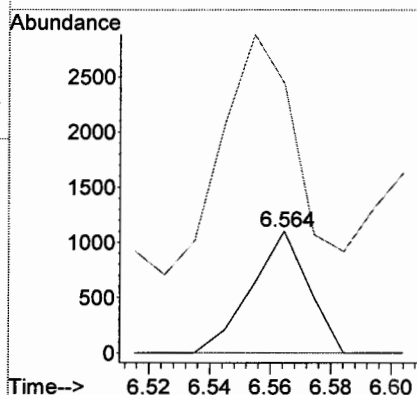
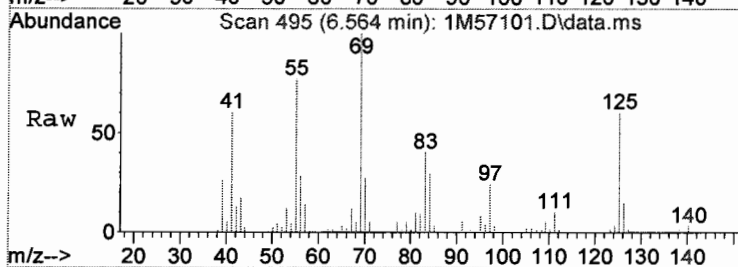
#13
Methylene Chloride
Concen: 6.03 ug/l
RT: 2.791 min Scan# 112
Delta R.T. -0.020 min
Lab File: 1M57101.D
Acq: 10 May 2010 8:56

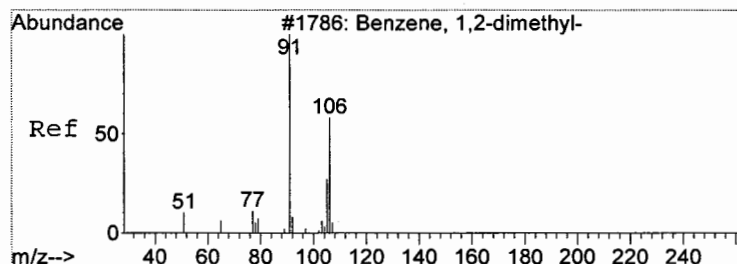
Tgt Ion: 84 Resp: 5969
Ion Ratio Lower Upper
84 100
49 172.9 75.0 225.0
86 60.1 32.5 97.5



#69
m&p-Xylenes
Concen: 1.08 ug/l
RT: 6.564 min Scan# 495
Delta R.T. -0.010 min
Lab File: 1M57101.D
Acq: 10 May 2010 8:56

Tgt Ion: 106 Resp: 1441
Ion Ratio Lower Upper
106 100
91 137.9 132.0 308.0





#70

o-Xylene

Concen: 1.33 ug/l

RT: 6.811 min Scan# 520

Delta R.T. -0.010 min

Lab File: 1M57101.D

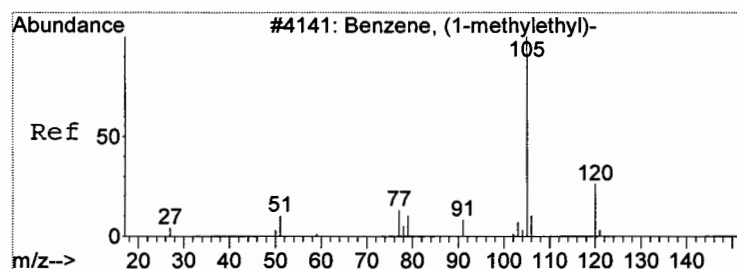
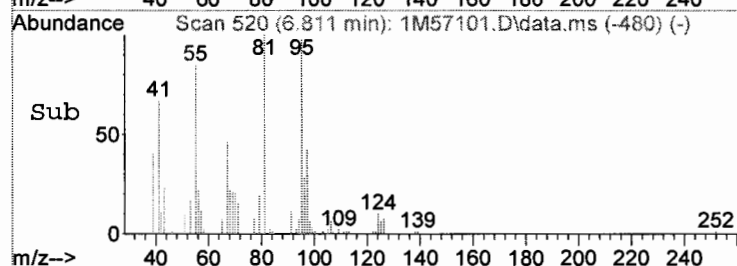
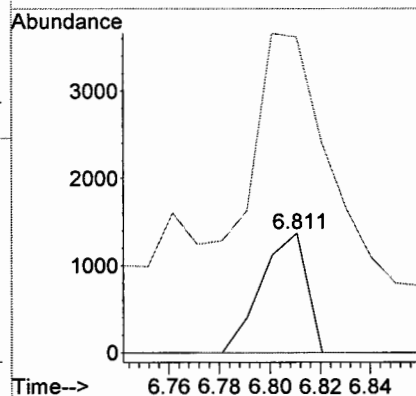
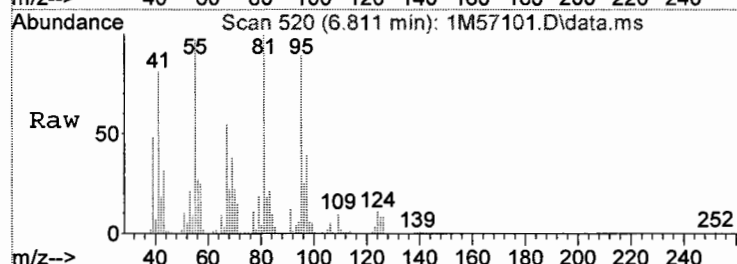
Acq: 10 May 2010 8:56

Tgt Ion:106 Resp: 1710

Ion Ratio Lower Upper

106 100

91 173.3 129.1 301.1



#75

Isopropylbenzene

Concen: 6.93 ug/l

RT: 7.018 min Scan# 541

Delta R.T. -0.020 min

Lab File: 1M57101.D

Acq: 10 May 2010 8:56

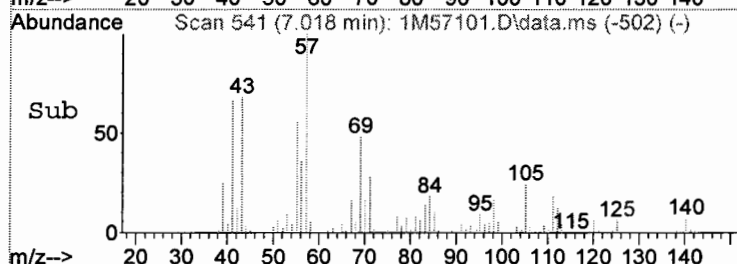
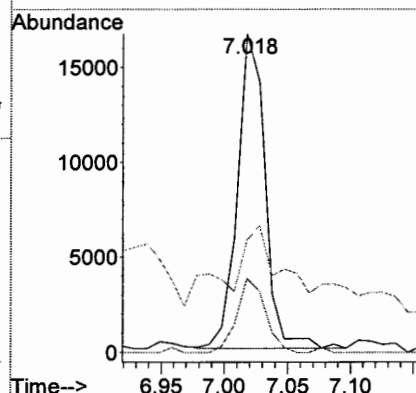
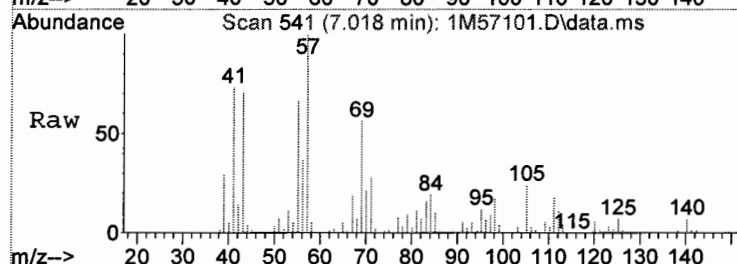
Tgt Ion:105 Resp: 24961

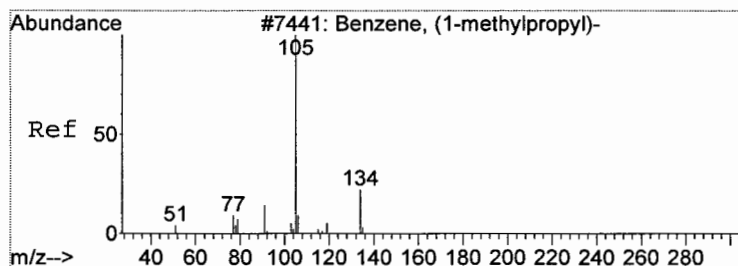
Ion Ratio Lower Upper

105 100

120 24.1 0.0 66.9

77 56.3 0.0 58.3





#86

sec-Butylbenzene

Concen: 8.45 ug/l

RT: 7.717 min Scan# 612

Delta R.T. -0.010 min

Lab File: 1M57101.D

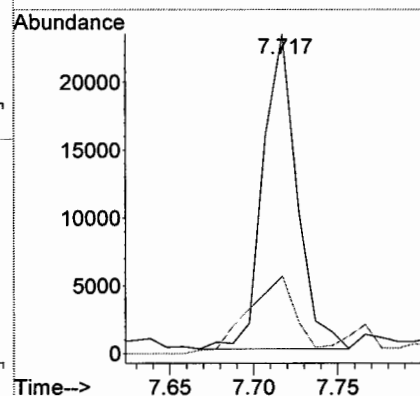
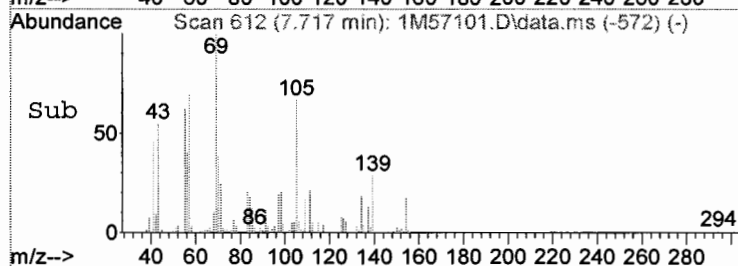
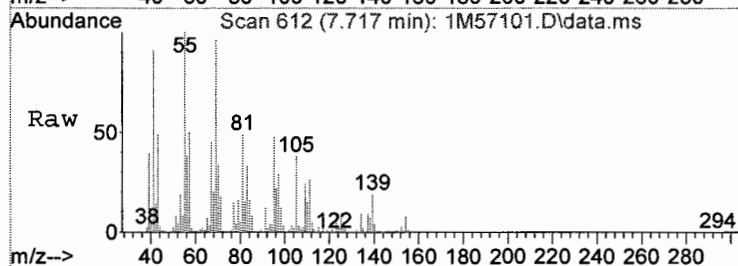
Acq: 10 May 2010 8:56

Tgt Ion: 105 Resp: 32699

Ion Ratio Lower Upper

105 100

134 35.0 0.0 61.8



LSC Area Percent Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-10-10\
 Data File : 1M57101.D
 Acq On : 10 May 2010 8:56
 Operator : WP
 Sample : AC51387-006(5X)
 Misc : S,5G!5
 ALS Vial : 32 Sample Multiplier: 1

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 1000 Area counts

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0430.M

Title : @GCMS_1,ug,624,8260

Signal : TIC: 1M57101.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.298	3	5	7	rVB	27717	54898	1.54%	0.095%
2	1.365	7	9	12	rVB	26434	44250	1.24%	0.076%
3	1.532	15	19	22	rBV3	7016	36008	1.01%	0.062%
4	1.884	35	40	42	rBV5	3022	11195	0.31%	0.019%
5	1.968	44	45	49	rVB4	5773	14779	0.41%	0.025%
6	2.253	57	62	65	rBV	8506	21679	0.61%	0.037%
7	2.466	77	79	84	rVB2	5878	11882	0.33%	0.020%
8	2.624	92	95	97	rVB	5943	6917	0.19%	0.012%
9	2.791	109	112	121	rVB3	22826	43941	1.23%	0.076%
10	3.018	133	135	139	rVB2	3133	4327	0.12%	0.007%
11	3.244	155	158	160	rBV2	4015	6908	0.19%	0.012%
12	3.668	198	201	206	rVV2	3178	5483	0.15%	0.009%
13	3.747	206	209	211	rVV2	7151	11616	0.33%	0.020%
14	3.806	211	215	222	rVB3	4132	10729	0.30%	0.019%
15	4.072	240	242	246	rBV3	2629	6013	0.17%	0.010%
16	4.141	246	249	252	rVV	66598	89357	2.51%	0.154%
17	4.180	252	253	255	rVV	11026	14289	0.40%	0.025%
18	4.229	255	258	263	rVV2	33452	68375	1.92%	0.118%
19	4.308	263	266	268	rVV	22592	31097	0.87%	0.054%
20	4.367	268	272	276	rVV2	54149	91733	2.57%	0.158%
21	4.456	276	281	283	rVV3	15052	31693	0.89%	0.055%
22	4.495	283	285	287	rVV	16923	27557	0.77%	0.048%
23	4.535	287	289	292	rVV	45599	58420	1.64%	0.101%
24	4.594	292	295	300	rVV	160645	231240	6.49%	0.399%
25	4.673	300	303	308	rVB3	5290	11153	0.31%	0.019%
26	4.830	317	319	323	rVB	6210	9821	0.28%	0.017%
27	4.949	323	331	336	rBV3	234431	434135	12.18%	0.749%
28	5.027	336	339	340	rBV2	4895	7833	0.22%	0.014%
29	5.057	340	342	344	rBV	27228	35933	1.01%	0.062%
30	5.106	344	347	350	rVB2	43239	70960	1.99%	0.122%
31	5.195	350	356	361	rBV	72510	114715	3.22%	0.198%
32	5.274	361	364	365	rBV	60567	82695	2.32%	0.143%
33	5.303	365	367	373	rVB2	171724	288588	8.10%	0.498%
34	5.392	373	376	381	rVB	172326	283507	7.95%	0.489%
35	5.481	381	385	388	rVB4	36695	81126	2.28%	0.140%

LSC Area Percent Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-10-10\
 Data File : 1M57101.D
 Acq On : 10 May 2010 8:56
 Operator : WP
 Sample : AC51387-006 (5X)
 Misc : S,5G!5
 ALS Vial : 32 Sample Multiplier: 1

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 1000 Area counts

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0430.M
 Title : @GCMS_1,ug,624,8260

36	5.550	388	392	396	rBV2	333880	696245	19.53%	1.201%
37	5.648	396	402	407	rVB3	207227	446553	12.53%	0.770%
38	5.737	407	411	412	rBV3	42618	80469	2.26%	0.139%
39	5.766	412	414	417	rVB	207920	263582	7.39%	0.455%
40	5.826	417	420	424	rBV4	189583	339164	9.51%	0.585%
41	5.885	424	426	428	rVB2	87047	113672	3.19%	0.196%
42	5.934	428	431	434	rVB	333580	466548	13.09%	0.805%
43	6.003	434	438	442	rBV2	190549	402565	11.29%	0.694%
44	6.062	442	444	445	rBV	84959	118471	3.32%	0.204%
45	6.111	445	449	450	rBV	244626	437052	12.26%	0.754%
46	6.141	450	452	457	rVB	851653	1137161	31.90%	1.962%
47	6.210	457	459	461	rBV	353502	396989	11.14%	0.685%
48	6.249	461	463	468	rVB2	571624	902504	25.32%	1.557%
49	6.318	468	470	473	rBV	474409	608894	17.08%	1.050%
50	6.358	473	474	478	rVB3	111619	143925	4.04%	0.248%
51	6.426	478	481	485	rVB3	147675	261946	7.35%	0.452%
52	6.505	485	489	490	rBV2	265566	455142	12.77%	0.785%
53	6.545	490	493	495	rBV2	245939	386764	10.85%	0.667%
54	6.604	495	499	502	rVB2	681048	1529345	42.90%	2.638%
55	6.663	502	505	507	rBV2	144700	279389	7.84%	0.482%
56	6.712	507	510	512	rVB	340011	454860	12.76%	0.785%
57	6.771	512	516	519	rBV2	679813	1558693	43.73%	2.689%
58	6.840	519	523	526	rVB2	1263692	2066624	57.97%	3.565%
59	6.929	526	532	536	rBV4	1102732	3564715	100.00%	6.149%
60	6.988	536	538	540	rBV3	203416	248544	6.97%	0.429%
61	7.057	540	545	550	rVB4	863204	2313502	64.90%	3.991%
62	7.136	550	553	555	rVB2	585191	938102	26.32%	1.618%
63	7.185	555	558	562	rBV4	321119	812538	22.79%	1.402%
64	7.244	562	564	567	rVB	1126005	1574238	44.16%	2.715%
65	7.313	567	571	572	rBV2	347413	765873	21.48%	1.321%
66	7.362	572	576	578	rBV2	589404	1345887	37.76%	2.322%
67	7.392	578	579	584	rVB3	469325	652073	18.29%	1.125%
68	7.471	584	587	589	rBV3	429674	768919	21.57%	1.326%
69	7.520	589	592	595	rBV2	899073	1393583	39.09%	2.404%
70	7.560	595	596	600	rVB3	388559	680427	19.09%	1.174%
71	7.619	600	602	604	rBV	485584	808992	22.69%	1.395%
72	7.668	604	607	609	rVB2	483984	749261	21.02%	1.292%
73	7.747	609	615	621	rBV6	785573	3203907	89.88%	5.527%
74	7.875	624	628	632	rVB3	393378	704552	19.76%	1.215%
75	7.954	632	636	641	rBV3	463976	1127471	31.63%	1.945%

LSC Area Percent Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-10-10\
 Data File : 1M57101.D
 Acq On : 10 May 2010 8:56
 Operator : WP
 Sample : AC51387-006(5X)
 Misc : S,5G!5
 ALS Vial : 32 Sample Multiplier: 1

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 1000 Area counts

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0430.M
 Title : @GCMS_1,ug,624,8260

76	8.101	643	651	654	rBV4	1015286	2530185	70.98%	4.364%
77	8.141	654	655	656	rVV	130993	145642	4.09%	0.251%
78	8.170	656	658	659	rVV2	232577	296518	8.32%	0.511%
79	8.200	659	661	664	rVB	470841	697159	19.56%	1.203%
80	8.279	664	669	673	rVB5	714100	1953133	54.79%	3.369%
81	8.377	673	679	681	rBV2	710140	1711642	48.02%	2.953%
82	8.407	681	682	685	rVB3	203448	279970	7.85%	0.483%
83	8.456	685	687	689	rBV2	266032	382842	10.74%	0.660%
84	8.505	689	692	694	rBV2	628797	1143174	32.07%	1.972%
85	8.614	700	703	704	rBV	280186	338551	9.50%	0.584%
86	8.643	704	706	713	rVB5	416916	912683	25.60%	1.574%
87	8.732	713	715	717	rVB2	160467	190601	5.35%	0.329%
88	8.771	717	719	720	rBV2	182720	281735	7.90%	0.486%
89	8.801	720	722	724	rVB2	124205	150836	4.23%	0.260%
90	8.860	724	728	734	rBV5	709222	1577012	44.24%	2.720%
91	9.018	739	744	747	rBV4	321808	913535	25.63%	1.576%
92	9.077	747	750	752	rVV	594587	1058512	29.69%	1.826%
93	9.116	752	754	757	rVV3	385529	858578	24.09%	1.481%
94	9.175	757	760	762	rVV2	543148	1233296	34.60%	2.127%
95	9.215	762	764	766	rVV2	383691	537624	15.08%	0.927%
96	9.254	766	768	770	rVV	263479	376581	10.56%	0.650%
97	9.294	770	772	773	rVV2	118134	146318	4.10%	0.252%
98	9.353	773	778	779	rVV3	149691	394120	11.06%	0.680%
99	9.392	779	782	790	rVB7	291708	894346	25.09%	1.543%
100	9.540	794	797	799	rBV3	142174	263251	7.38%	0.454%
101	9.579	799	801	804	rVB2	243221	403286	11.31%	0.696%
102	9.648	804	808	812	rBV4	139154	354232	9.94%	0.611%
103	9.707	812	814	815	rVB2	22103	21123	0.59%	0.036%
104	9.786	819	822	824	rBV2	105526	210114	5.89%	0.362%
105	9.875	828	831	834	rBV5	80389	161860	4.54%	0.279%

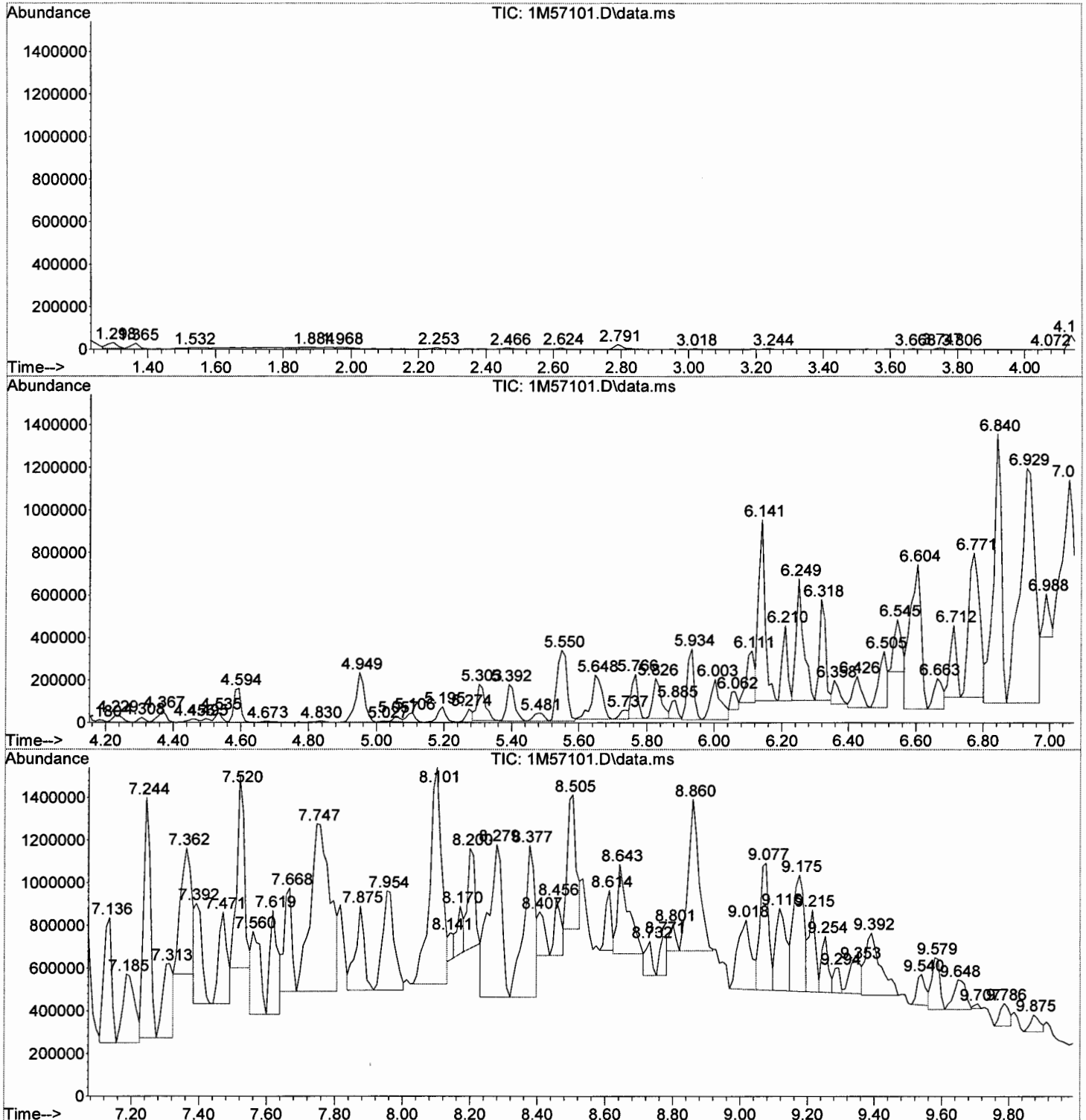
Sum of corrected areas: 57972452

LSC Report - Integrated Chromatogram

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-10-10\
Data File : 1M57101.D
Acq On : 10 May 2010 8:56
Operator : WP
Sample : AC51387-006(5X)
Misc : S,5G!5
ALS Vial : 32 Sample Multiplier: 1

Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0430.M
Quant Title : @GCMS_1,ug,624,8260

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-10-10\
 Data File : 1M57101.D
 Acq On : 10 May 2010 8:56
 Operator : WP
 Sample : AC51387-006(5X)
 Misc : S,5G!5
 ALS Vial : 32 Sample Multiplier: 1

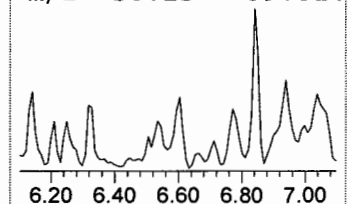
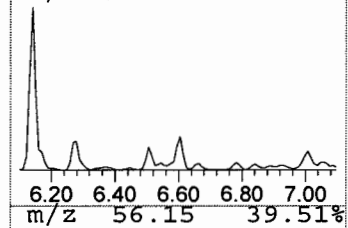
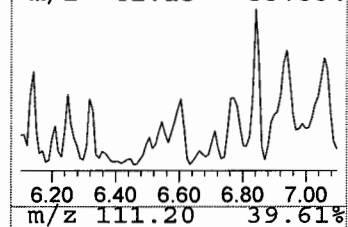
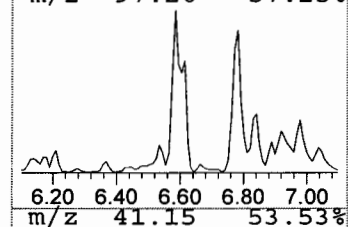
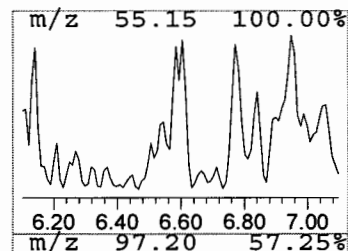
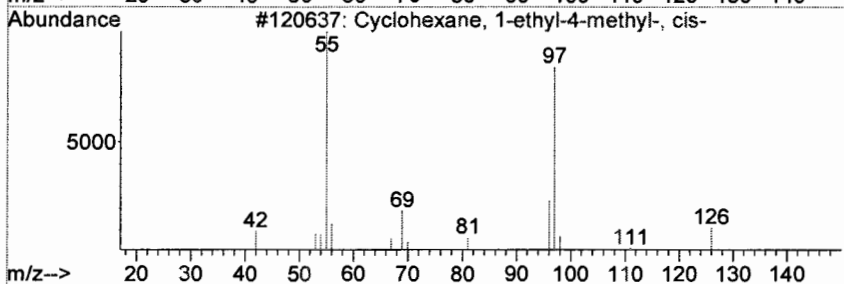
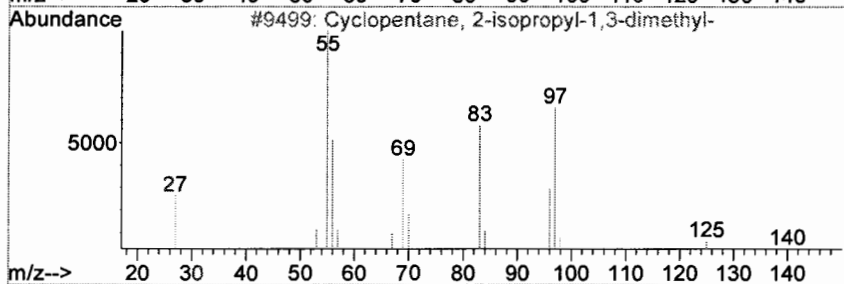
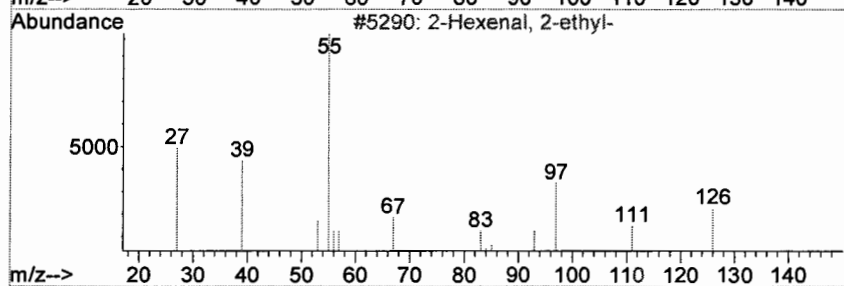
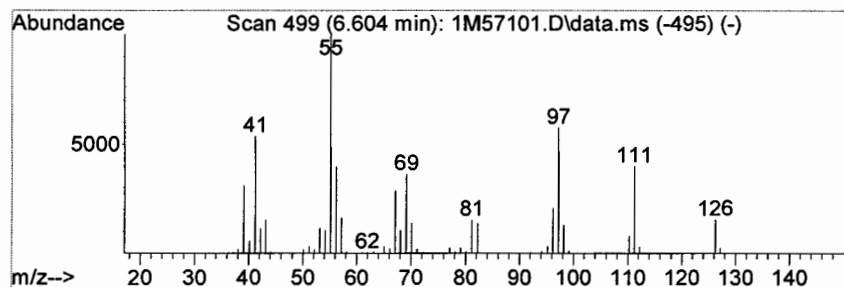
Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0430.M
 Quant Title : @GCMS_1,ug,624,8260

TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 1 unknown Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.60	199.81 ug/l	1529345	LibIS-Fluorobenzene	4.59

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Hexenal, 2-ethyl-	126	C8H14O	000645-62-5	22
2		Cyclopentane, 2-isopropyl-1,3-di...	140	C10H20	032281-85-9	47
3		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	43
4		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	22
5		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	25



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-10-10\
 Data File : 1M57101.D
 Acq On : 10 May 2010 8:56
 Operator : WP
 Sample : AC51387-006(5X)
 Misc : S,5G15
 ALS Vial : 32 Sample Multiplier: 1

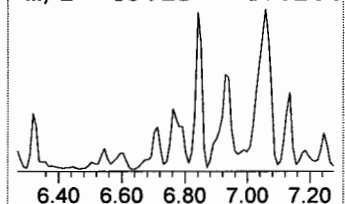
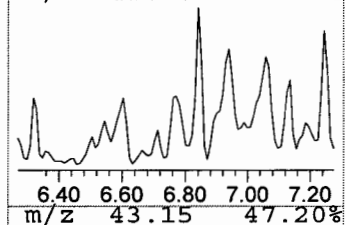
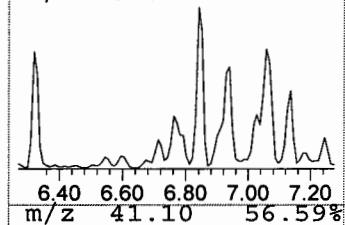
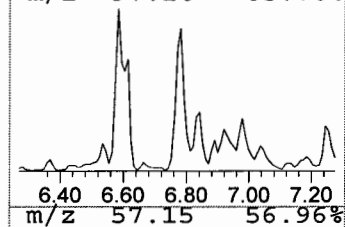
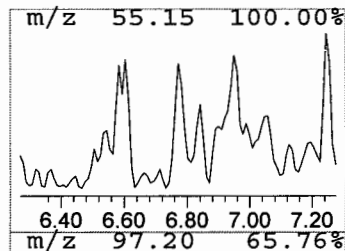
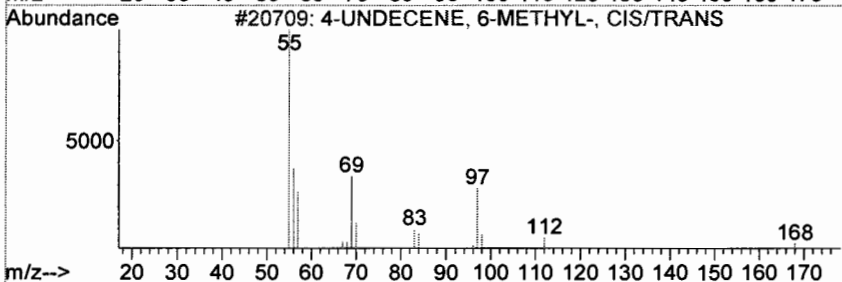
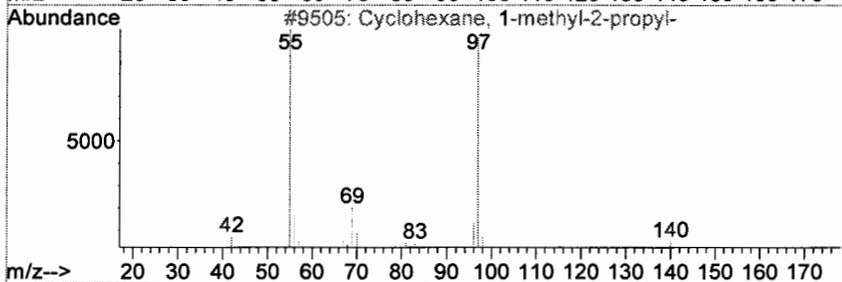
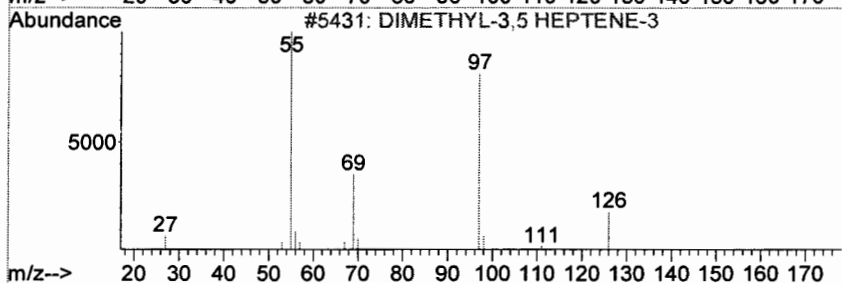
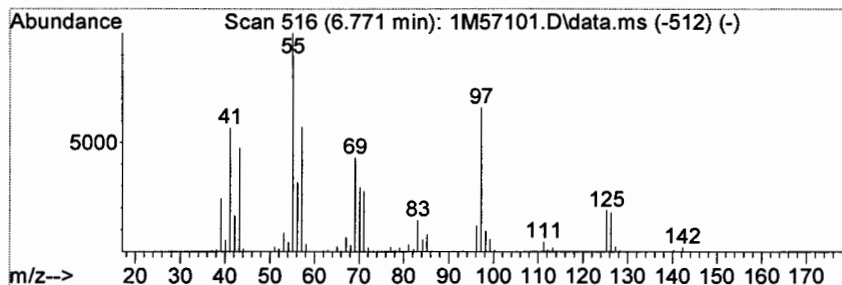
Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0430.M
 Quant Title : @GCMS_1,ug,624,8260

TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 2 unknown Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.77	203.65 ug/l	1558693	LibIS-Fluorobenzene	4.59

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			DIMETHYL-3,5 HEPTENE-3	126	C9H18	000000-00-0	46
2			Cyclohexane, 1-methyl-2-propyl-	140	C10H20	004291-79-6	37
3			4-UNDECENE, 6-METHYL-, CIS/TRANS	168	C12H24	000000-00-0	32
4			3-Heptene, 3-ethyl-	126	C9H18	074764-46-8	35
5			7-Oxabicyclo[4.1.0]heptan-2-one,...	126	C7H10O2	021889-89-4	30



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-10-10\
 Data File : 1M57101.D
 Acq On : 10 May 2010 8:56
 Operator : WP
 Sample : AC51387-006(5X)
 Misc : S,5G!5
 ALS Vial : 32 Sample Multiplier: 1

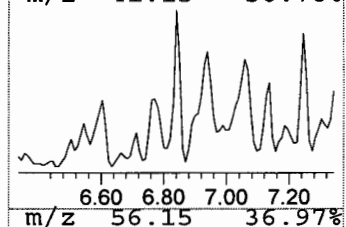
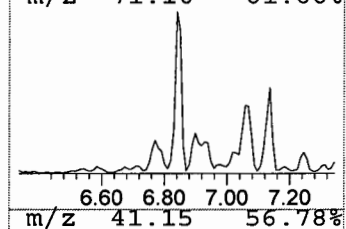
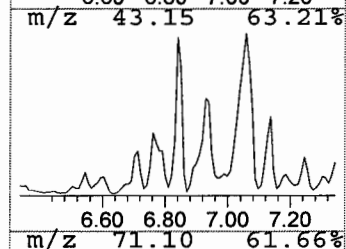
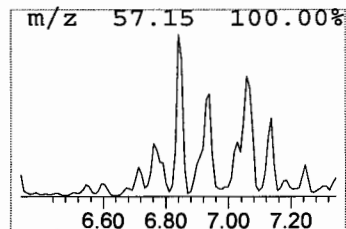
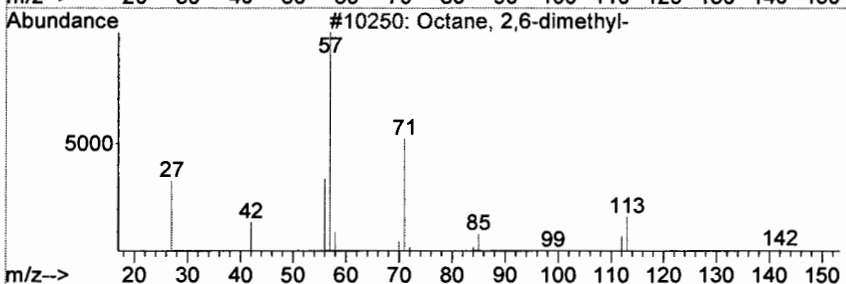
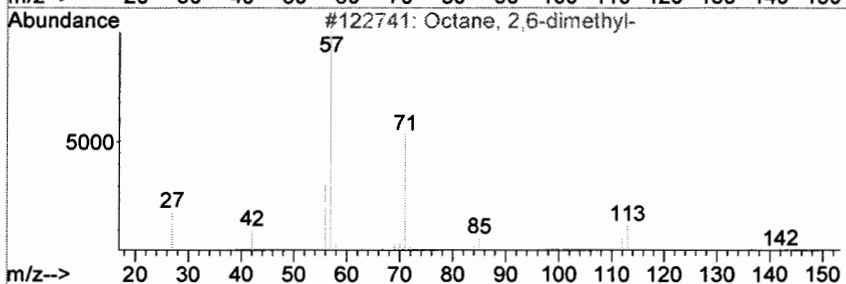
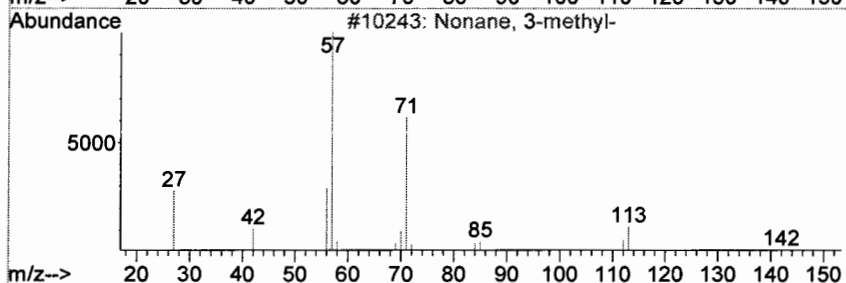
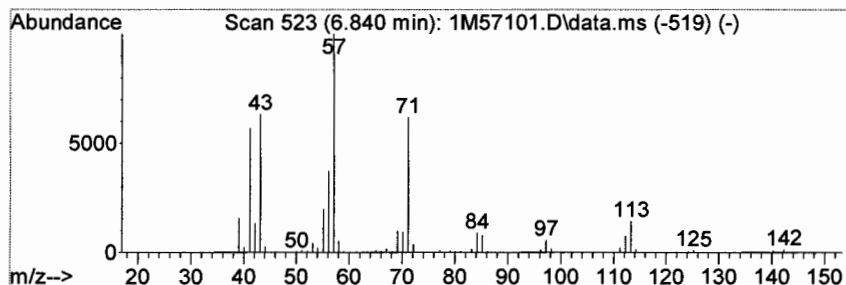
Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0430.M
 Quant Title : @GCMS_1,ug,624,8260

TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 3 Nonane, 3-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.84	270.01 ug/l	2066624	LibIS-Fluorobenzene	4.59

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Nonane, 3-methyl-	142	C10H22	005911-04-6	94
2		Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	90
3		Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	43
4		Nonane, 3-methyl-	142	C10H22	005911-04-6	80
5		Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	87



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-10-10\
 Data File : 1M57101.D
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 Operator : WP
 Sample : AC51387-006(5X)
 Misc : S,5G!5
 ALS Vial : 32 Sample Multiplier: 1

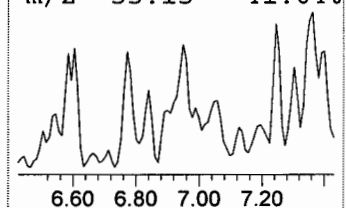
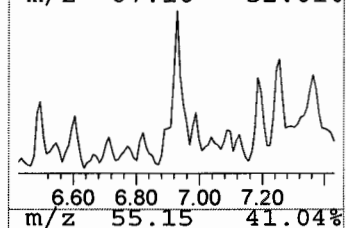
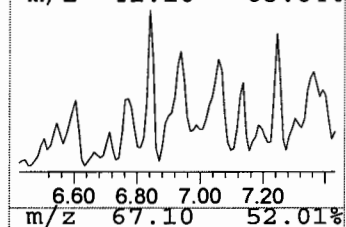
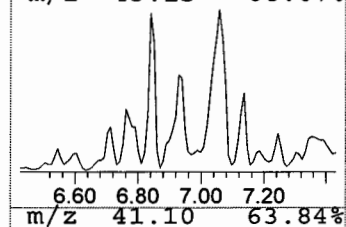
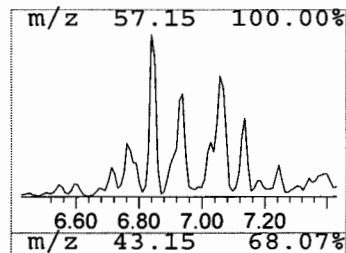
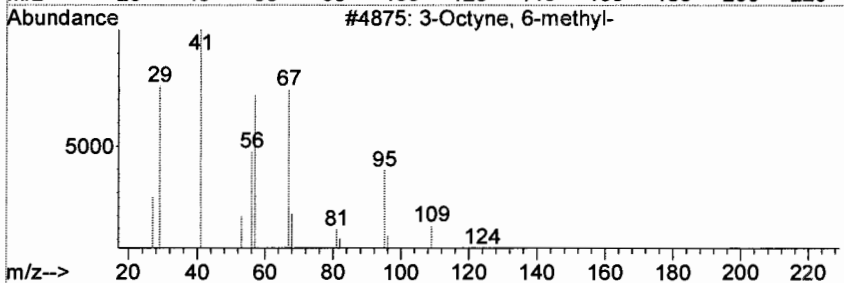
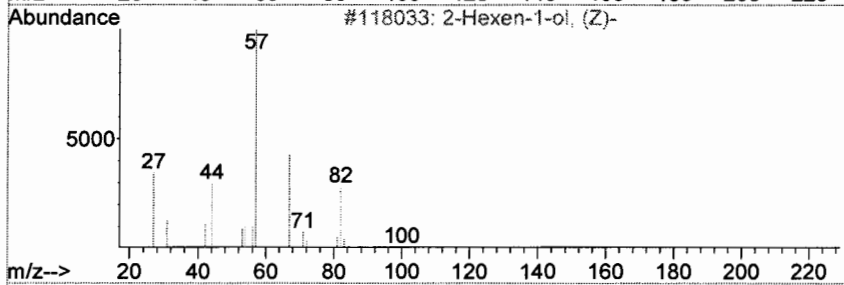
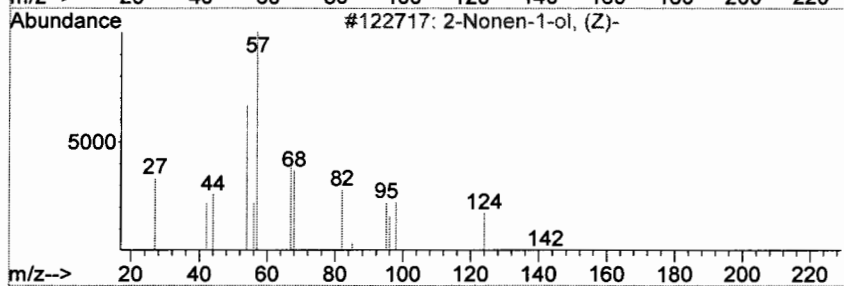
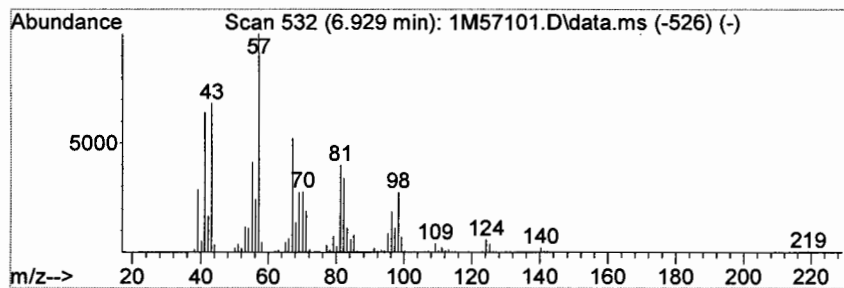
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TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 4 2-Nonen-1-ol, (Z)- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.93	465.74 ug/l	3564715	LibIS-Fluorobenzene	4.59

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Nonen-1-ol, (Z)-	142	C9H18O	041453-56-9	64
2			2-Hexen-1-ol, (Z)-	100	C6H12O	000928-94-9	38
3			3-Octyne, 6-methyl-	124	C9H16	062108-34-3	35
4			(Z)-1,1-Dimethyl-2-(2-butyldiene...	124	C9H16	053282-44-3	22
5			Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	22



Library Search Compound Report

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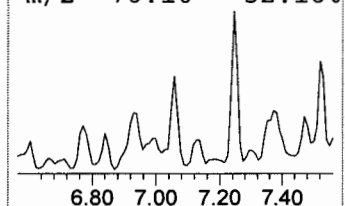
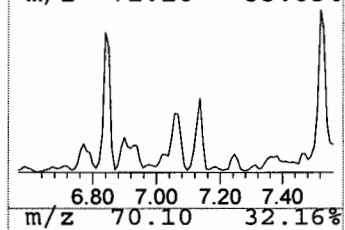
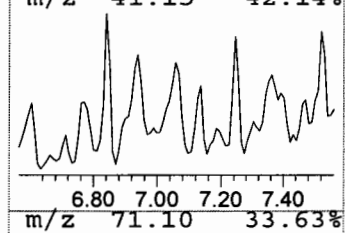
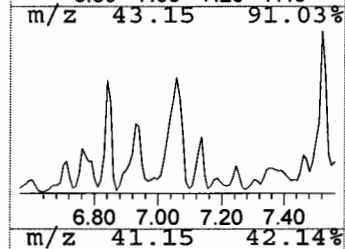
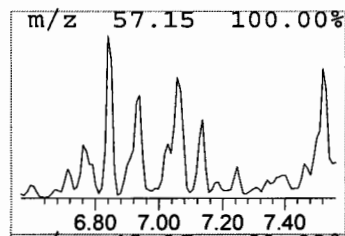
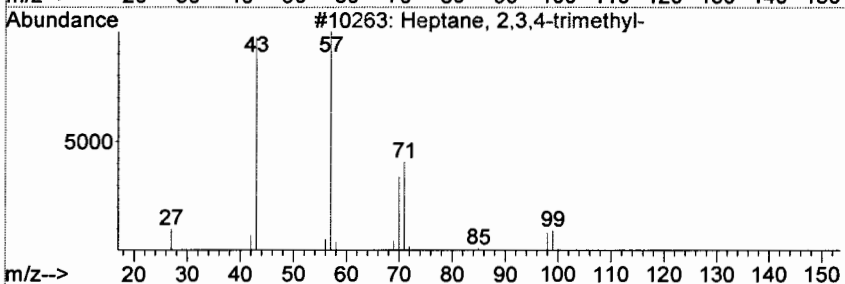
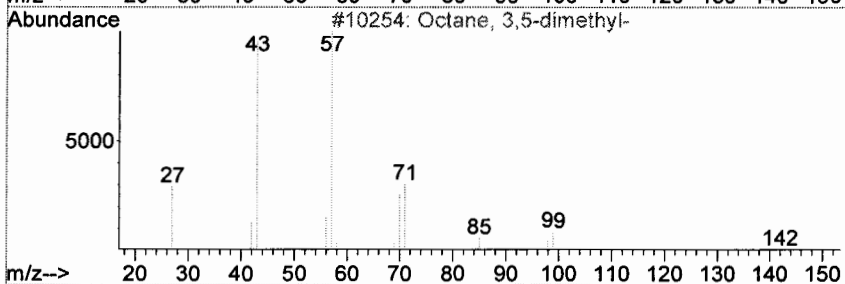
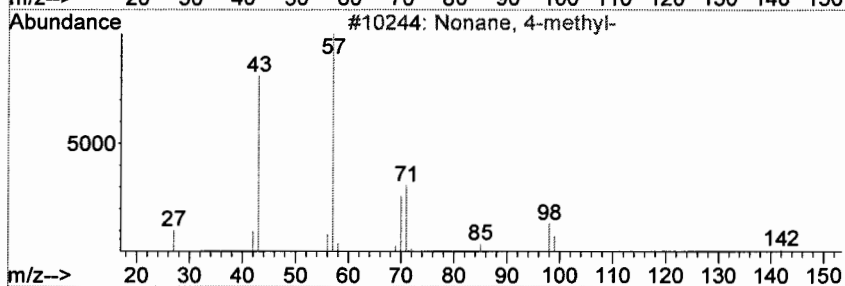
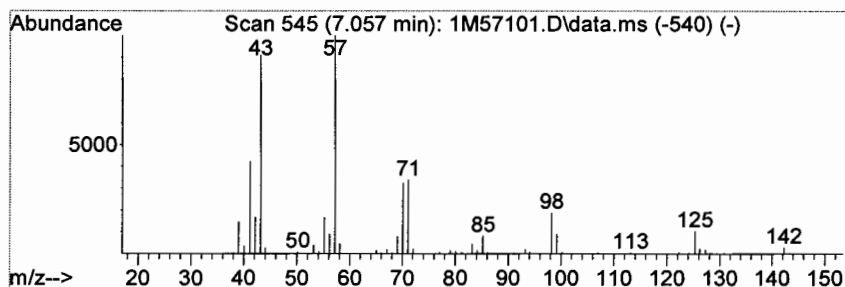
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TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 5 Nonane, 4-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.06	302.27 ug/l	2313502	LibIS-Fluorobenzene	4.59

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Nonane, 4-methyl-	142	C10H22	017301-94-9	78
2		Octane, 3,5-dimethyl-	142	C10H22	015869-93-9	72
3		Heptane, 2,3,4-trimethyl-	142	C10H22	052896-95-4	64
4		Octane, 2,5-dimethyl-	142	C10H22	015869-89-3	43
5		Octane, 2,5-dimethyl-	142	C10H22	015869-89-3	64



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-10-10\
 Data File : 1M57101.D
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 Sample : AC51387-006 (5X)
 Misc : S,5G!5
 ALS Vial : 32 Sample Multiplier: 1

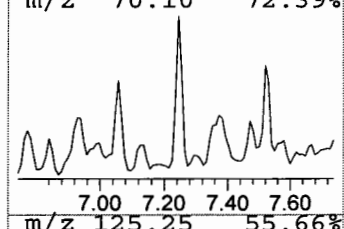
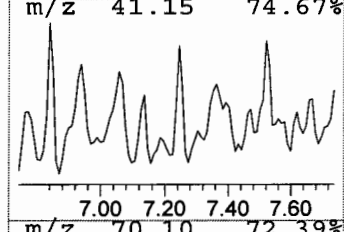
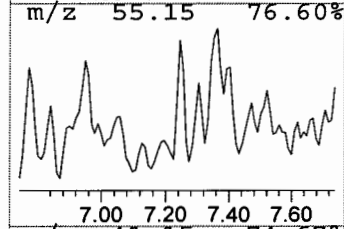
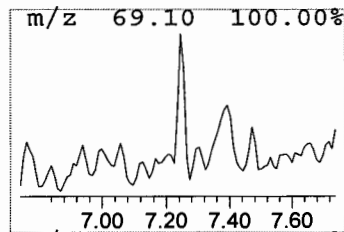
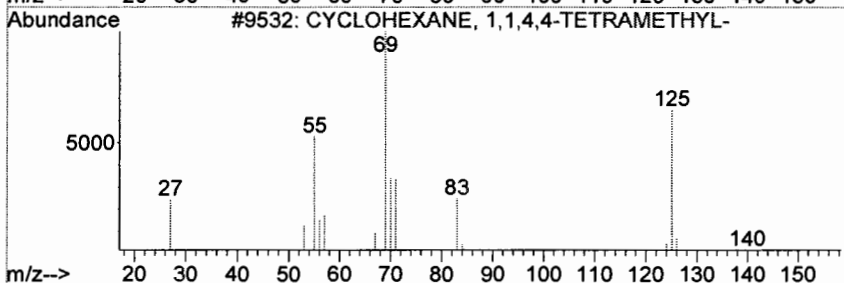
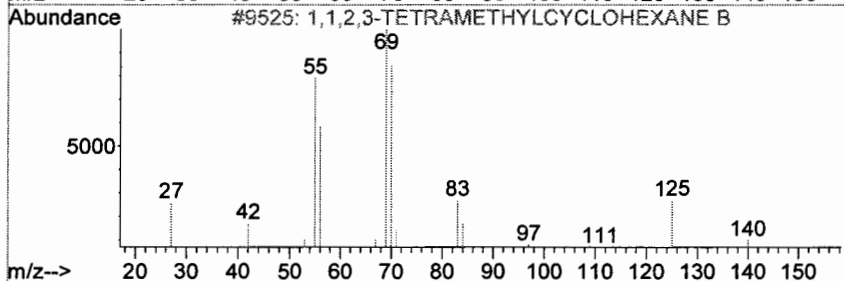
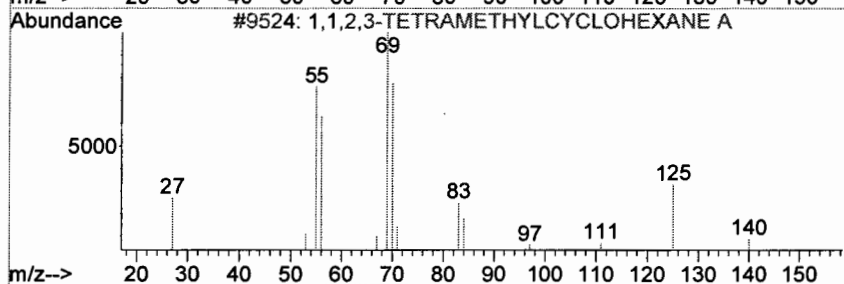
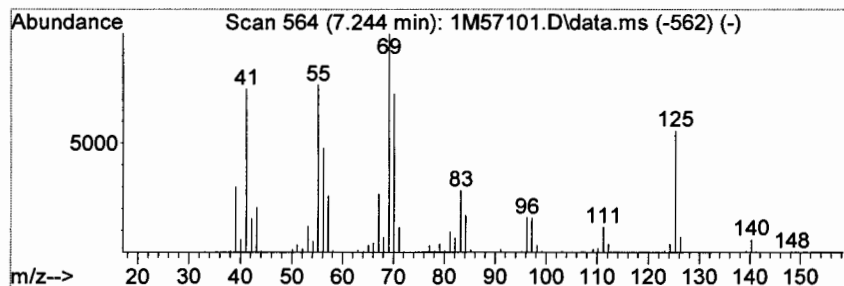
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TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 6 4-Nonene, 3-methyl-, (Z)- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.24	205.68 ug/l	1574238	LibIS-Fluorobenzene	4.59

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1,2,3-TETRAMETHYLCYCLOHEXANE A	140	C10H20	006783-92-2	43
2		1,1,2,3-TETRAMETHYLCYCLOHEXANE B	140	C10H20	071186-28-2	35
3		CYCLOHEXANE, 1,1,4,4-TETRAMETHYL-	140	C10H20	000000-00-0	38
4		4-Nonene, 3-methyl-, (Z)-	140	C10H20	063830-69-3	50
5		2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	50



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-10-10\
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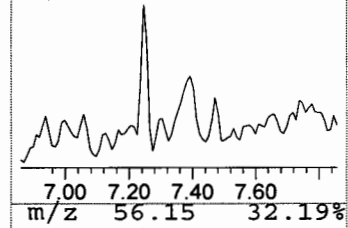
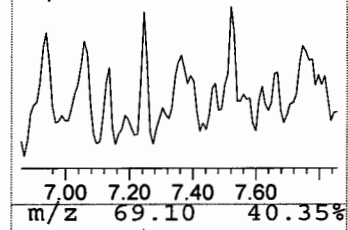
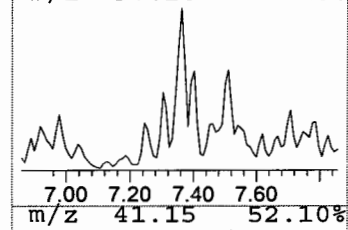
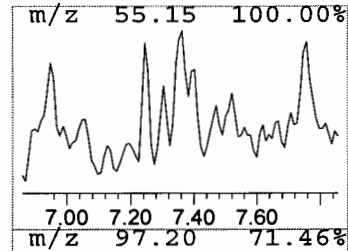
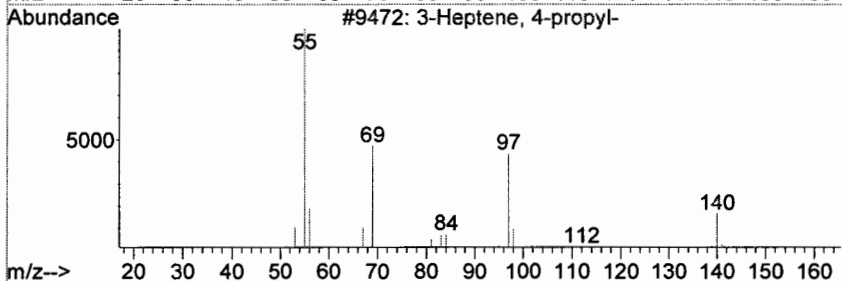
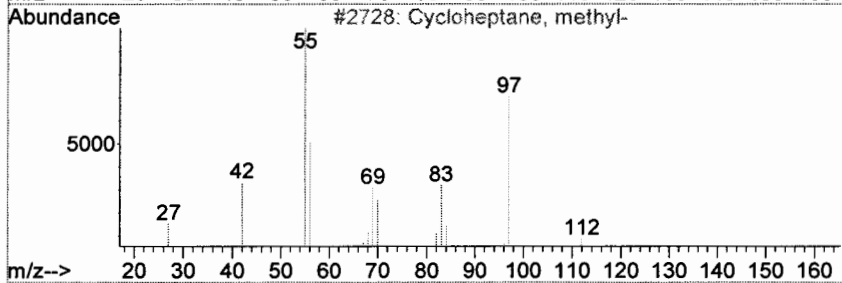
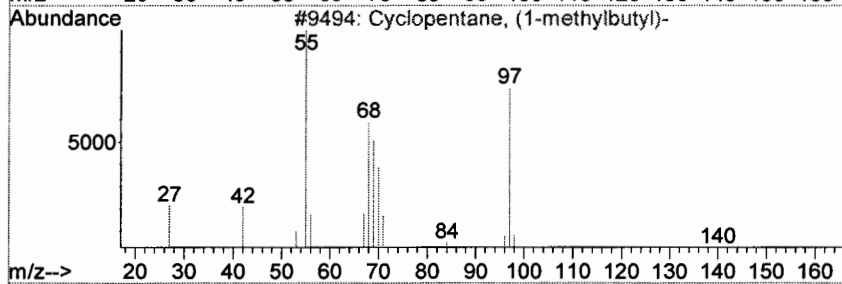
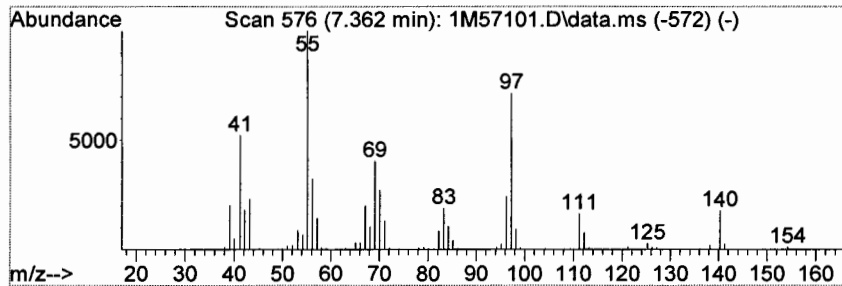
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TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 7 Cyclopentane, (1-methylbutyl)- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.36	175.84 ug/l	1345887	LibIS-Fluorobenzene	4.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, (1-methylbutyl)-	140	C10H20	004737-43-3	50
2	Cycloheptane, methyl-	112	C8H16	004126-78-7	46
3	3-Heptene, 4-propyl-	140	C10H20	004485-13-6	38
4	6-Decen-5-one	154	C10H18O	032064-79-2	43
5	m-Menthane, (1S,3R) - (+) -	140	C10H20	013837-66-6	43



Data Path : G:\GcMsData\2010\GCMS_1\Data\05-10-10\
Data File : 1M57101.D
Acq On : 10 May 2010 8:56
Operator : WP
Sample : AC51387-006(5X)
Misc : S,5G!5
ALS Vial : 32 Sample Multiplier: 1

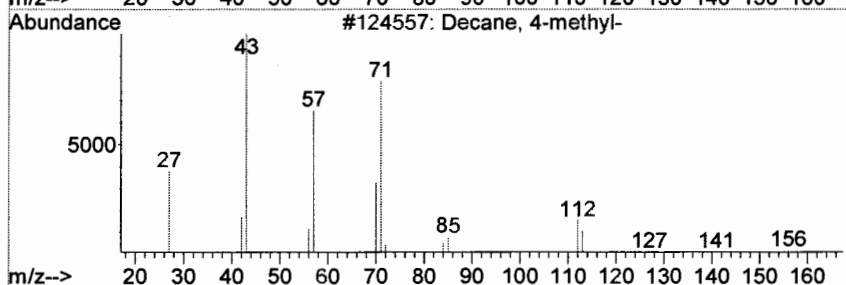
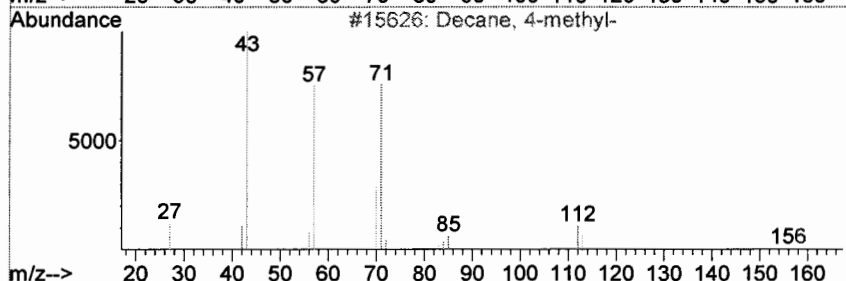
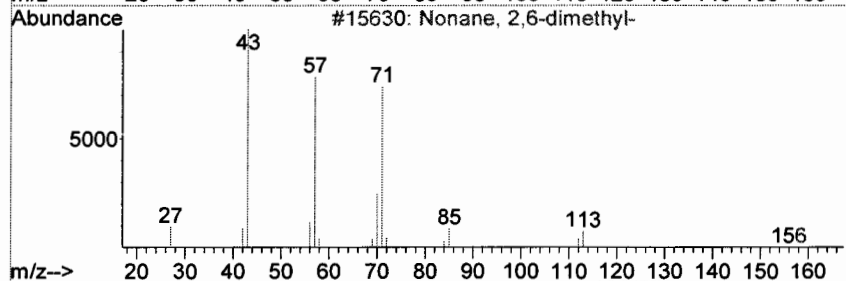
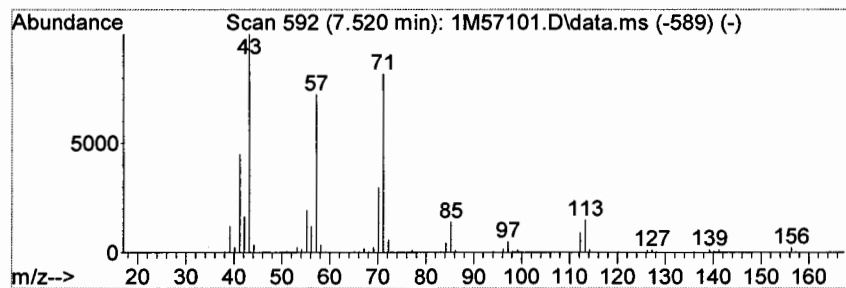
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TIC Integration Parameters: LSCINT.P

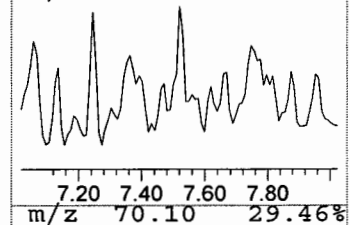
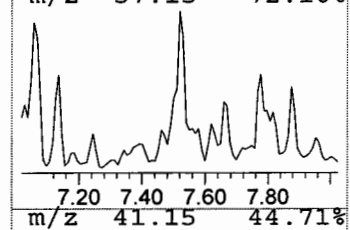
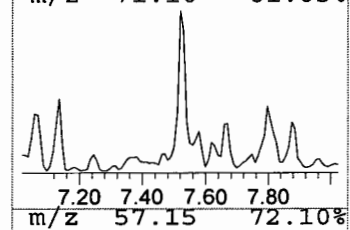
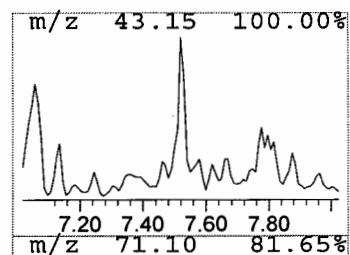
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R.T.	EstConc	Area	Relative to ISTD	R.T.
7.52	182.08 ug/l	1393583	LibIS-Fluorobenzene	4.59

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	64
2			Decane, 4-methyl-	156	C11H24	002847-72-5	90
3			Decane, 4-methyl-	156	C11H24	002847-72-5	90
4			Decane, 4-methyl-	156	C11H24	002847-72-5	93
5			Octane, 3,3-dimethyl-	142	C10H22	004110-44-5	72



1M_S0430.M Wed May 12 12:25:02 2010 RPT1



Data Path : G:\GcMsData\2010\GCMS_1\Data\05-10-10\
Data File : 1M57101.D
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ALS Vial : 32 Sample Multiplier: 1

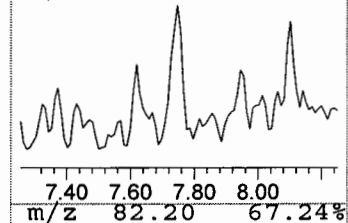
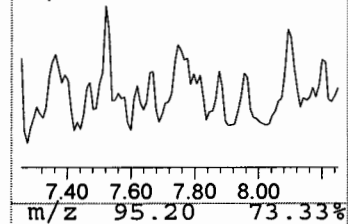
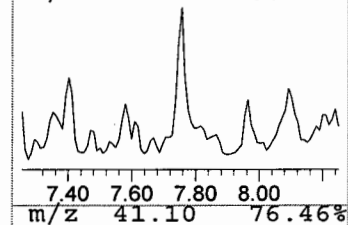
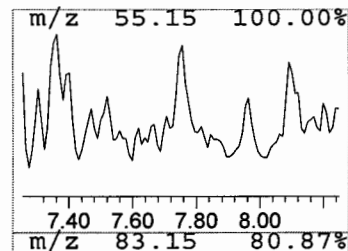
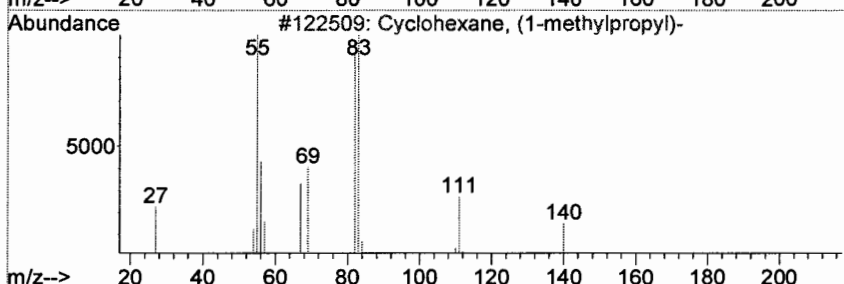
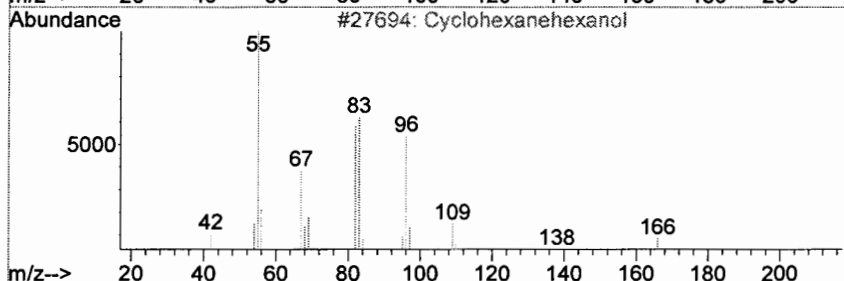
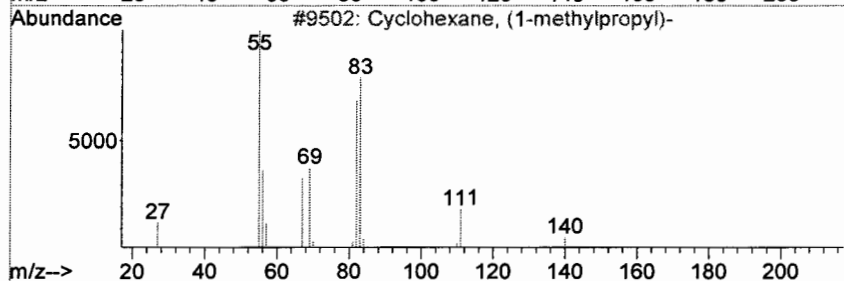
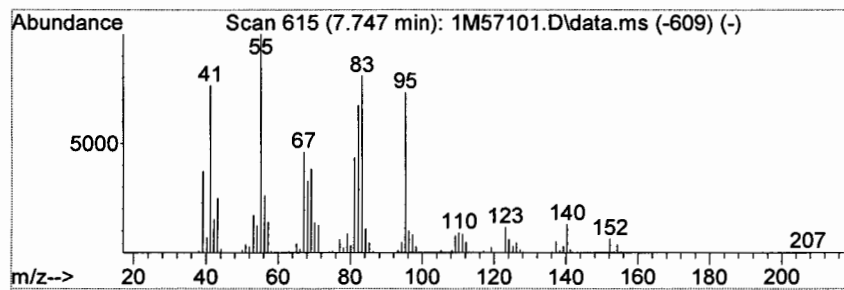
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Quant Title : @GCMS_1,ug,624,8260

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 Cyclohexanehexanol Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.75	418.60 ug/l	3203907	LibIS-Fluorobenzene	4.59

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, (1-methylpropyl)-	140	C10H20	007058-01-7	46
2			Cyclohexanehexanol	184	C12H24O	004354-58-9	50
3			Cyclohexane, (1-methylpropyl)-	140	C10H20	007058-01-7	46
4			Cyclohexane, 1-propenyl-	124	C9H16	005364-83-0	43
5			Cyclohexane, 1,1'-(1,4-butanedi...	222	C16H30	006165-44-2	38



Data Path : G:\GcMsData\2010\GCMS_1\Data\05-10-10\
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Misc : S,5G!5
ALS Vial : 32 Sample Multiplier: 1

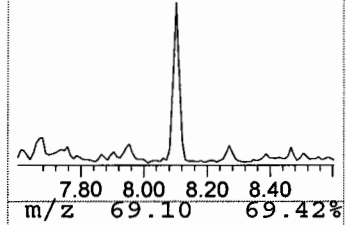
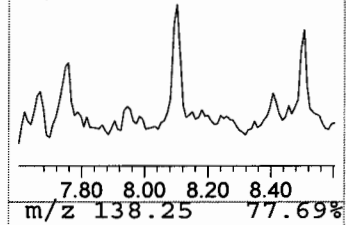
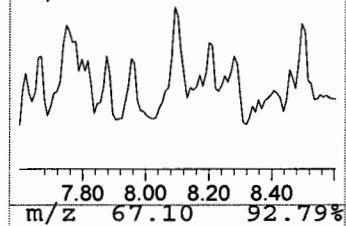
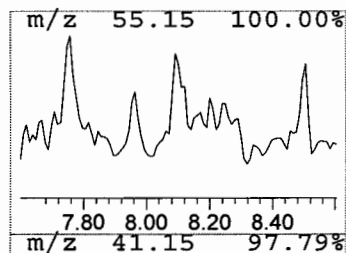
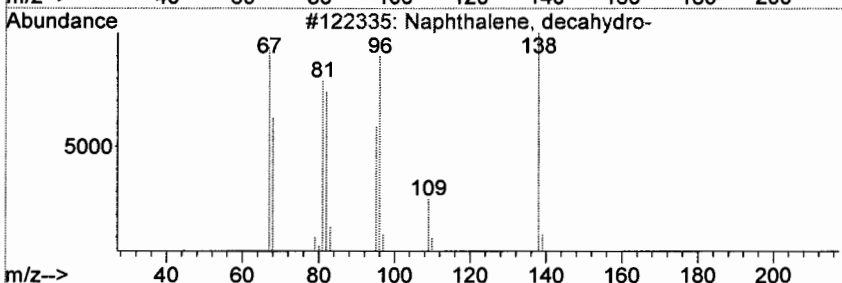
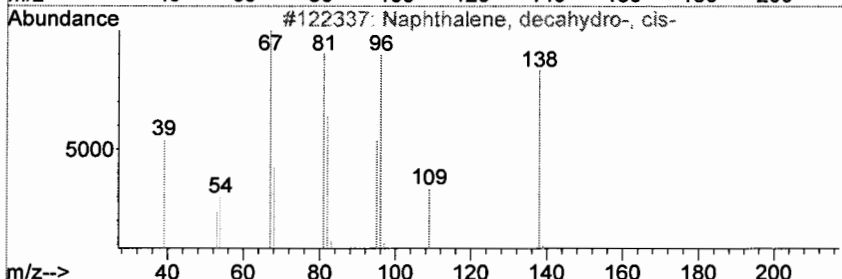
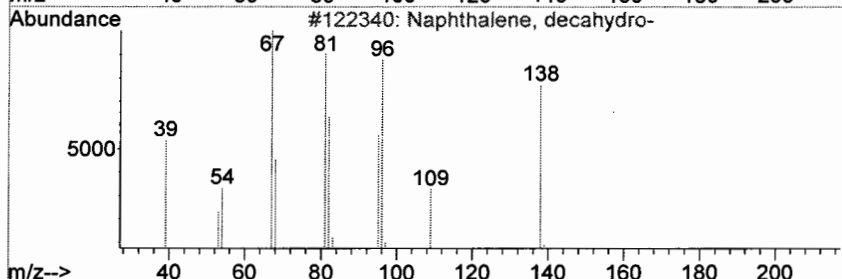
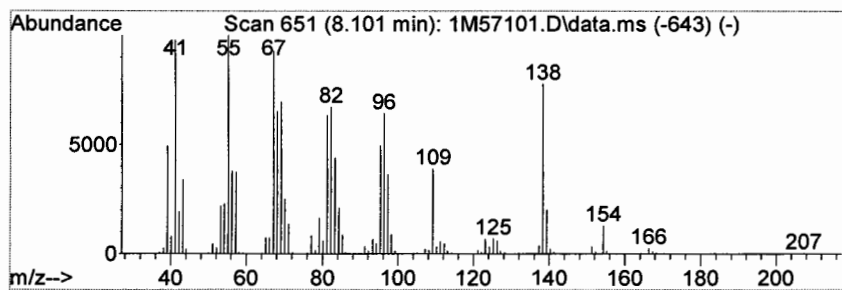
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Quant Title : @GCMS_1,ug,624,8260

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 Naphthalene, decahydro- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.10	330.58 ug/l	2530185	LibIS-Fluorobenzene	4.59

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, decahydro-	138	C10H18	000091-17-8	76
2			Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	89
3			Naphthalene, decahydro-	138	C10H18	000091-17-8	89
4			Naphthalene, decahydro-	138	C10H18	000091-17-8	86
5			Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	70



Data Path : G:\GcMsData\2010\GCMS_1\Data\05-10-10\
Data File : 1M57101.D
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ALS Vial : 32 Sample Multiplier: 1

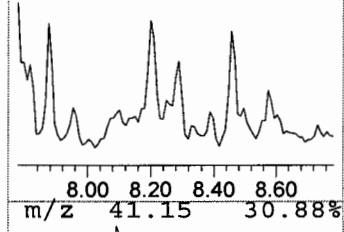
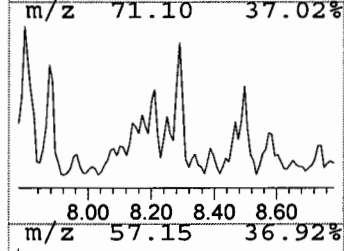
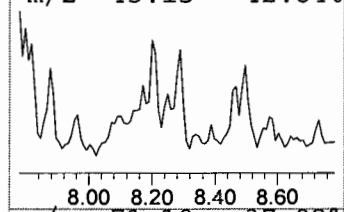
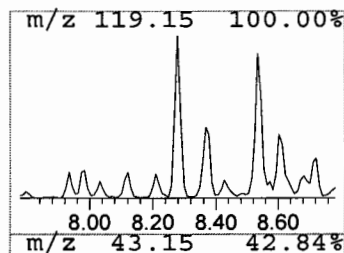
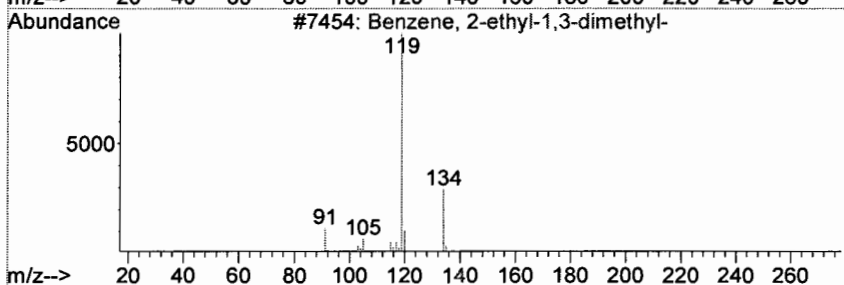
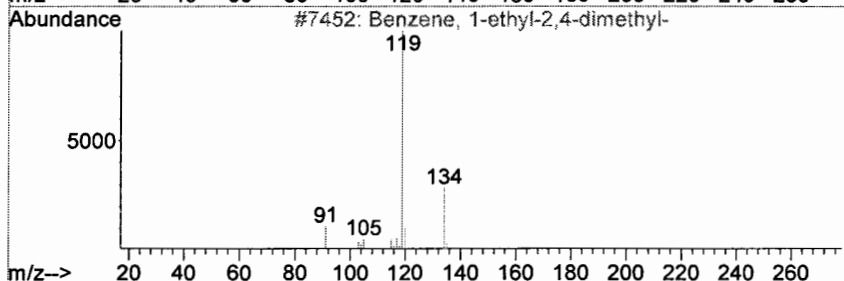
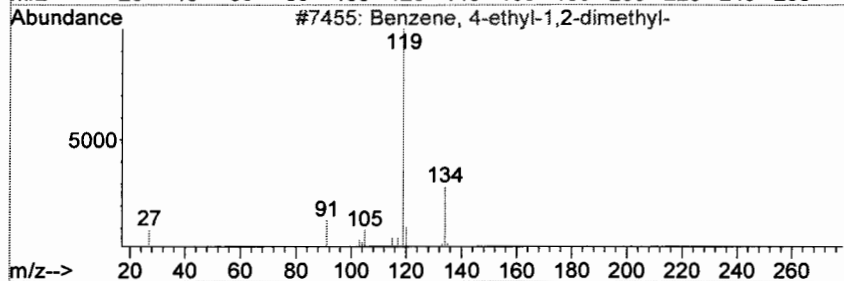
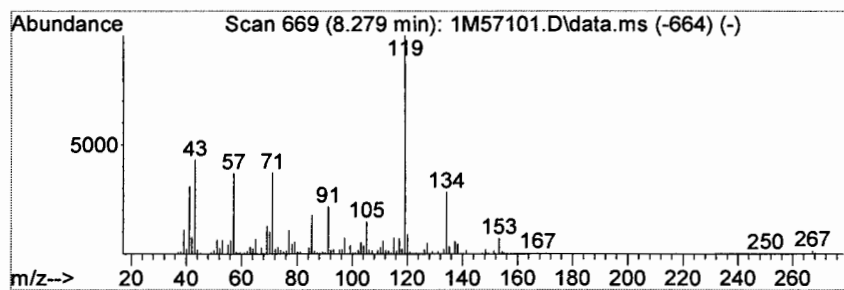
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Quant Title : @GCMS_1,ug,624,8260

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.28	255.18 ug/l	1953133	LibIS-Fluorobenzene	4.59

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	64
2		Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	64
3		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	64
4		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	64
5		Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	64



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-10-10\
 Data File : 1M57101.D
 Acq On : 10 May 2010 8:56
 Operator : WP
 Sample : AC51387-006(5X)
 Misc : S,5G!5
 ALS Vial : 32 Sample Multiplier: 1

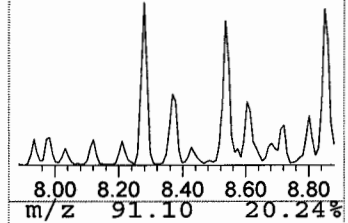
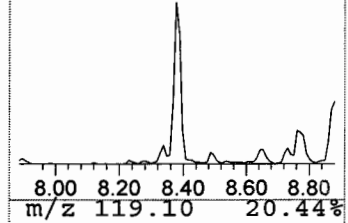
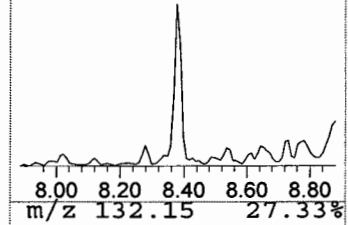
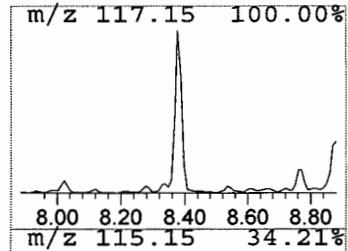
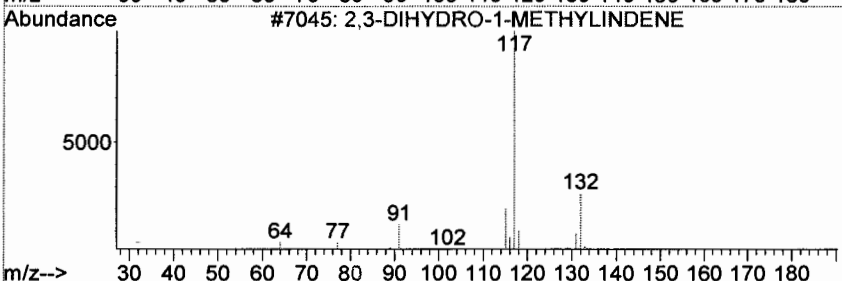
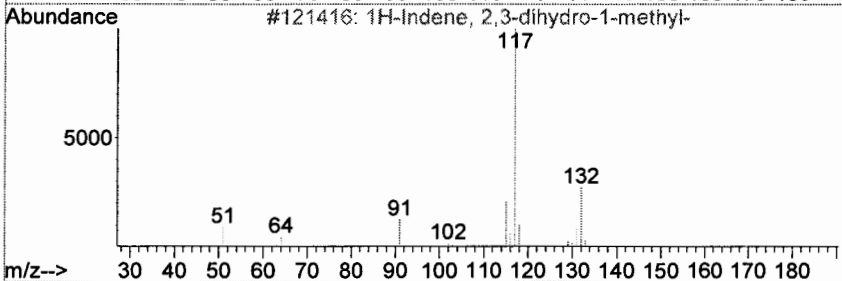
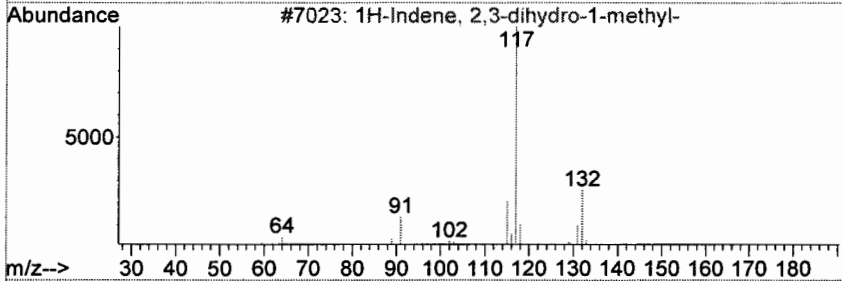
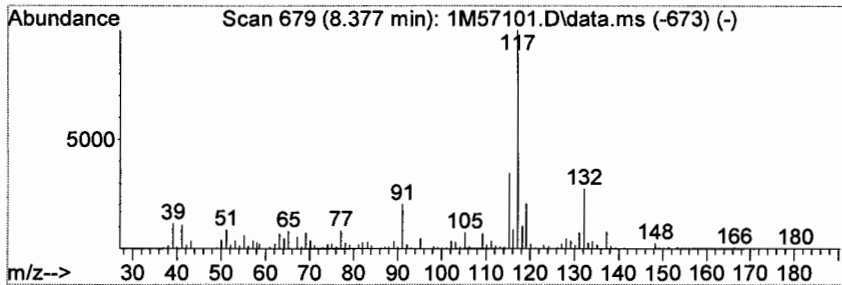
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 Quant Title : @GCMS_1,ug,624,8260

TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 12 1H-Indene, 2,3-dihydro-1-me... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.38	223.63 ug/l	1711642	LibIS-Fluorobenzene	4.59

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1H-Indene, 2,3-dihydro-1-methyl-	132	C10H12	000767-58-8	64
2			1H-Indene, 2,3-dihydro-1-methyl-	132	C10H12	000767-58-8	76
3			2,3-DIHYDRO-1-METHYLINDENE	132	C10H12	027133-93-3	76
4			1H-Indene, 2,3-dihydro-1-methyl-	132	C10H12	000767-58-8	64
5			1R-METHYL-2T-PHENYLCYCLOPROPANE	132	C10H12	005070-01-9	43



Data Path : G:\GcMsData\2010\GCMS_1\Data\05-10-10\
Data File : 1M57101.D
Acq On : 10 May 2010 8:56
Operator : WP
Sample : AC51387-006(5X)
Misc : S,5G!5
ALS Vial : 32 Sample Multiplier: 1

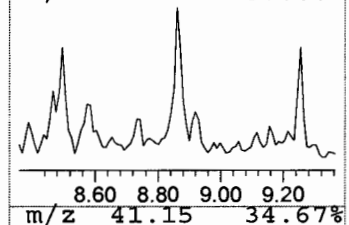
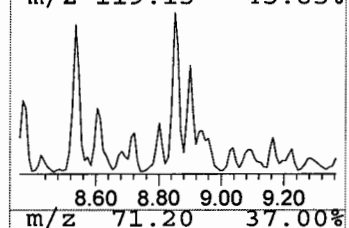
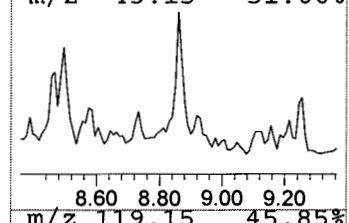
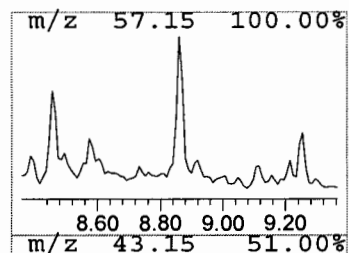
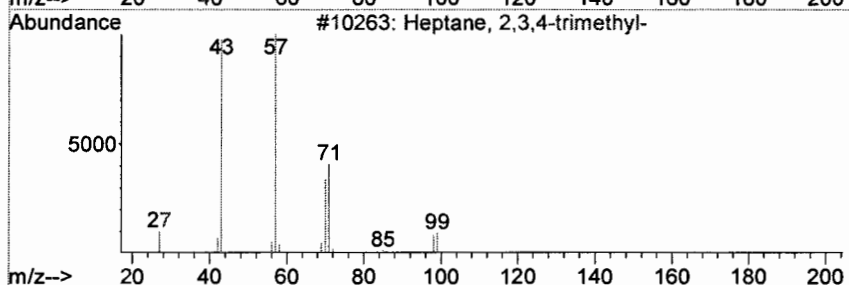
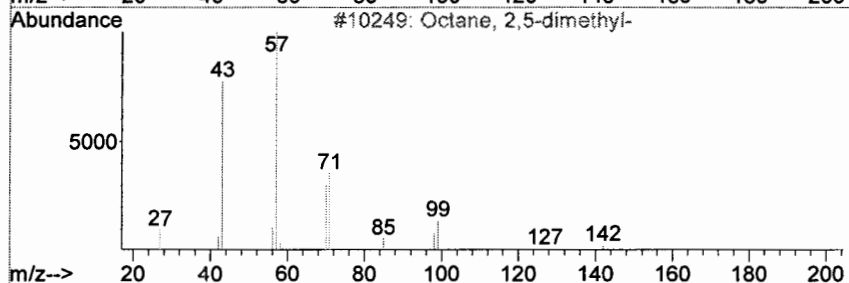
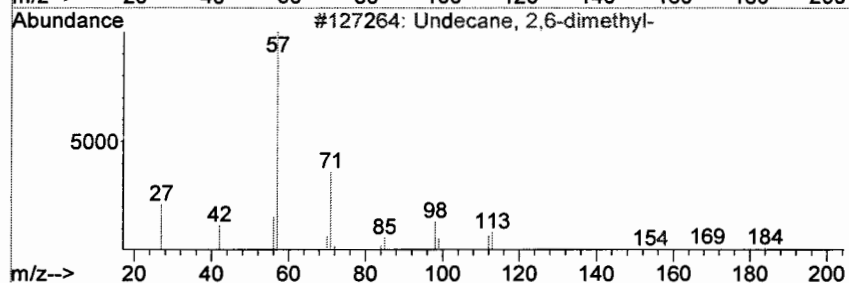
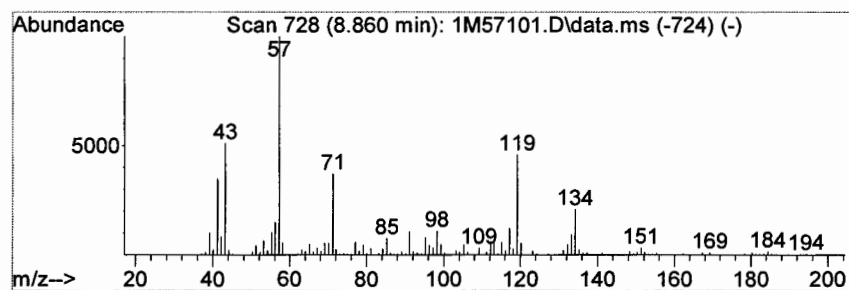
Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0430.M
Quant Title : @GCMS_1,ug,624,8260

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 unknown Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.86	206.04 ug/l	1577012	LibIS-Fluorobenzene	4.59

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	18
2			Octane, 2,5-dimethyl-	142	C10H22	015869-89-3	12
3			Heptane, 2,3,4-trimethyl-	142	C10H22	052896-95-4	12
4			Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	25
5			Dodecane, 6-methyl-	184	C13H28	006044-71-9	22



Data Path : G:\GcMsData\2010\GCMS_1\Data\05-10-10\
 Data File : 1M57101.D
 Acq On : 10 May 2010 8:56
 Operator : WP
 Sample : AC51387-006(5X)
 Misc : S,5G!5
 ALS Vial : 32 Sample Multiplier: 1

Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0430.M
 Quant Title : @GCMS_1,ug,624,8260

TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	-----Internal Standard-----				
					#	ExpRT	ActRt	Resp	Conc
unknown	6.60	199.8	ug/l	1529345	1	4.59	4.59	229616	30.0
unknown	6.77	203.6	ug/l	1558693	1	4.59	4.59	229616	30.0
Nonane, 3-methyl-	6.84	270.0	ug/l	2066624	1	4.59	4.59	229616	30.0
2-Nonen-1-ol, (Z)-	6.93	465.7	ug/l	3564715	1	4.59	4.59	229616	30.0
Nonane, 4-methyl-	7.06	302.3	ug/l	2313502	1	4.59	4.59	229616	30.0
4-Nonene, 3-methy...	7.24	205.7	ug/l	1574238	1	4.59	4.59	229616	30.0
Cyclopentane, (1-...	7.36	175.8	ug/l	1345887	1	4.59	4.59	229616	30.0
Nonane, 2,6-dimet...	7.52	182.1	ug/l	1393583	1	4.59	4.59	229616	30.0
Cyclohexanehexanol	7.75	418.6	ug/l	3203907	1	4.59	4.59	229616	30.0
Naphthalene, deca...	8.10	330.6	ug/l	2530185	1	4.59	4.59	229616	30.0
Benzene, 4-ethyl-...	8.28	255.2	ug/l	1953133	1	4.59	4.59	229616	30.0
1H-Indene, 2,3-di...	8.38	223.6	ug/l	1711642	1	4.59	4.59	229616	30.0
unknown	8.86	206.0	ug/l	1577012	1	4.59	4.59	229616	30.0

GC/MS Volatile Data
Standards Data

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Calibration Level Concentrations																								
1	1M56809.	CAL @ 20 PPB	04/30/10 11:55	2	1M56811.	CAL @ 5 PPB	04/30/10 12:27	Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9																
3	1M56810.	CAL @ 10 PPB	04/30/10 12:11	4	1M56808.	CAL @ 50 PPB	04/30/10 11:39	20.00	5.00	10.00	50.00	100.0	250.0	500.0	20.00	30.00																
5	1M56807.	CAL @ 100 PPB	04/30/10 11:23	6	1M56806.	CAL @ 250 PPB	04/30/10 11:06	20.00	5.00	10.00	50.00	100.0	250.0	500.0	20.00	30.00																
7	1M56805.	CAL @ 500 PPB	04/30/10 10:50	8	1M56813.	CAL @ 1 PPB	04/30/10 13:00	20.00	5.00	10.00	50.00	100.0	250.0	500.0	20.00	30.00																
9	1M56814.	CAL @ 0.5 PPB	04/30/10 13:16																													
Compound	Col Mtr	Fit	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRt	RT	Corr1	Corr2	%Rsd																
Chlorodifluoromethane	1	0	Avg	0.6276	0.6470	0.5989	0.6553	0.5917	0.5015	0.6189	---	---	---	0.606	1.36	0.991	0.997	8.5	20.00	5.00	10.00	50.00	100.0	250.0	500.0	20.00	5.00	10.00	50.00	100.0	250.0	500.0
Dichlorodifluoromethane	1	0	Avg	0.4345	0.4332	0.3861	0.3847	0.3949	0.3852	0.4274	---	---	---	0.407	1.36	0.998	1.00	5.9	20.00	5.00	10.00	50.00	100.0	250.0	500.0	20.00	5.00	10.00	50.00	100.0	250.0	500.0
Chloromethane	1	0	Avg	0.3841	0.3759	0.4106	0.3935	0.3339	0.3460	0.3494	---	---	---	0.371	1.48	1.00	1.00	7.6	20.00	5.00	10.00	50.00	100.0	250.0	500.0	20.00	5.00	10.00	50.00	100.0	250.0	500.0
Bromomethane	1	0	Avg	0.2079	0.2180	0.2250	0.2020	0.1770	0.1674	0.1718	---	---	---	0.196	1.82	1.00	1.00	12	20.00	5.00	10.00	50.00	100.0	250.0	500.0	20.00	5.00	10.00	50.00	100.0	250.0	500.0
Vinyl Chloride	1	0	Avg	0.3135	0.2958	0.3111	0.3259	0.2705	0.2430	0.2918	---	---	---	0.293	1.57	0.992	0.998	9.7	20.00	5.00	10.00	50.00	100.0	250.0	500.0	20.00	5.00	10.00	50.00	100.0	250.0	500.0
Chloroethane	1	0	Avg	0.2047	0.2441	0.2207	0.2051	0.1798	0.1727	0.1734	---	---	---	0.200	1.88	1.00	1.00	13	20.00	5.00	10.00	50.00	100.0	250.0	500.0	20.00	5.00	10.00	50.00	100.0	250.0	500.0
Trichlorofluoromethane	1	0	Avg	0.6039	0.5190	0.5581	0.6305	0.5666	0.5650	0.5250	---	---	---	0.567	2.07	0.999	1.00	7.0	20.00	5.00	10.00	50.00	100.0	250.0	500.0	20.00	5.00	10.00	50.00	100.0	250.0	500.0
1,1,2-Trichloro-1,2,2-tri	1	0	Avg	0.3023	0.2622	0.2841	0.2912	0.2611	0.2578	0.2595	---	---	---	0.274	2.46	1.00	1.00	6.6	20.00	5.00	10.00	50.00	100.0	250.0	500.0	20.00	5.00	10.00	50.00	100.0	250.0	500.0
Methylene Chloride	1	0	Avg	0.3841	0.3917	0.4010	0.3549	0.3321	0.3258	0.3263	---	---	---	0.359	2.81	1.00	1.00	9.1	20.00	5.00	10.00	50.00	100.0	250.0	500.0	20.00	5.00	10.00	50.00	100.0	250.0	500.0
Acrolein	1	0	Avg	0.0289	0.0245	0.0244	0.0270	0.0242	0.0247	0.0293	---	---	---	0.026	2.37	0.994	1.00	8.5	100.0	25.00	50.00	250.0	500.0	1250.	2500.	20.00	5.00	10.00	50.00	100.0	250.0	500.0
Acrylonitrile	1	0	LinF	0.0700	0.0418	0.0544	0.0786	0.0718	0.0680	0.0667	---	---	---	0.064	5.29	0.999	1.00	19	20.00	5.00	10.00	50.00	100.0	250.0	500.0	20.00	5.00	10.00	50.00	100.0	250.0	500.0
Iodomethane	1	0	Avg	0.6428	0.6609	0.6525	0.6483	0.5997	0.5894	0.5708	---	---	---	0.624	2.57	1.00	1.00	5.8	20.00	5.00	10.00	50.00	100.0	250.0	500.0	20.00	5.00	10.00	50.00	100.0	250.0	500.0
Acetone	1	0	LinF	0.0570	0.0802	0.0627	0.0577	0.0538	0.0490	0.0491	---	---	---	0.058	2.48	1.00	1.00	18	100.0	25.00	50.00	250.0	500.0	1250.	2500.	20.00	5.00	10.00	50.00	100.0	250.0	500.0
Carbon Disulfide	1	0	Avg	1.1200	1.0935	1.1579	1.1471	1.0335	1.0571	1.0977	---	---	---	1.10	2.63	1.00	1.00	4.1	20.00	5.00	10.00	50.00	100.0	250.0	500.0	20.00	5.00	10.00	50.00	100.0	250.0	500.0
t-Butyl Alcohol	1	0	Avg	0.0094	0.0074	0.0086	0.0074	0.0083	0.0082	0.0082	---	---	---	0.008	2.87	1.00	1.00	8.5	100.0	25.00	50.00	250.0	500.0	1250.	2500.	20.00	5.00	10.00	50.00	100.0	250.0	500.0
n-Hexane	1	0	Avg	0.4714	0.4380	0.4712	0.4805	0.4581	0.4603	0.4743	---	---	---	0.465	3.25	1.00	1.00	3.0	20.00	5.00	10.00	50.00	100.0	250.0	500.0	20.00	5.00	10.00	50.00	100.0	250.0	500.0
Di-isopropyl-ether	1	0	Avg	1.3968	1.2634	1.3864	1.3782	1.2380	1.1835	1.1428	---	---	---	1.28	3.41	0.999	1.00	8.1	20.00	5.00	10.00	50.00	100.0	250.0	500.0	20.00	5.00	10.00	50.00	100.0	250.0	500.0
1,1-Dichloroethene	1	0	Avg	0.6795	0.6356	0.6517	0.6704	0.6211	0.6106	0.6077	---	---	---	0.640	2.46	1.00	1.00	4.5	20.00	5.00	10.00	50.00	100.0	250.0	500.0	20.00	5.00	10.00	50.00	100.0	250.0	500.0
Methyl Acetate	1	0	Avg	0.1721	0.1976	0.1755	0.1822	0.1482	0.1546	0.1488	---	---	---	0.168	2.73	0.999	1.00	11	20.00	5.00	10.00	50.00	100.0	250.0	500.0	20.00	5.00	10.00	50.00	100.0	250.0	500.0
Methyl-t-butyl ether	1	0	Avg	0.5223	0.4825	0.4737	0.5032	0.4846	0.4424	0.4257	0.4042	---	---	0.467	3.03	0.999	1.00	8.6	20.00	5.00	10.00	50.00	100.0	250.0	500.0	20.00	5.00	10.00	50.00	100.0	250.0	500.0
1,1-Dichloroethane	1	0	Avg	0.7365	0.6735	0.7115	0.7130	0.6551	0.6637	0.6573	---	---	---	0.687	3.35	1.00	1.00	4.7	20.00	5.00	10.00	50.00	100.0	250.0	500.0	20.00	5.00	10.00	50.00	100.0	250.0	500.0
trans-1,2-Dichloroethane	1	0	Avg	0.3692	0.3453	0.3683	0.3547	0.3207	0.3114	0.3092	---	---	---	0.340	3.03	1.00	1.00	7.6	20.00	5.00	10.00	50.00	100.0	250.0	500.0	20.00	5.00	10.00	50.00	100.0	250.0	500.0
cis-1,2-Dichloroethane	1	0	Avg	0.6520	0.6599	0.6642	0.6978	0.6305	0.6079	0.5888	---	---	---	0.643	3.83	1.00	1.00	5.7	20.00	5.00	10.00	50.00	100.0	250.0	500.0	20.00	5.00	10.00	50.00	100.0	250.0	500.0
Bromochloromethane	1	0	Avg	0.3789	0.3324	0.3716	0.3599	0.3178	0.3118	0.3135	---	---	---	0.341	3.99	1.00	1.00	8.4	20.00	5.00	10.00	50.00	100.0	250.0	500.0	20.00	5.00	10.00	50.00	100.0	250.0	500.0
2,2-Dichloropropane	1	0	Avg	0.0470	0.4615	0.4890	0.5194	0.4708	0.4882	0.4983	---	---	---	0.485	3.83	1.00	1.00	4.1	20.00	5.00	10.00	50.00	100.0	250.0	500.0	20.00	5.00	10.00	50.00	100.0	250.0	500.0
1,4-Dioxane	1	0	LinF	0.0019	0.0011	0.0015	0.0021	0.0018	0.0015	0.0015	---	---	---	0.001	67.50	0.997	0.998	19	1000.	250.0	500.0	2500.	5000.	1250.	2500.	20.00	5.00	10.00	50.00	100.0	250.0	500.0
1,1-Dichloropropene	1	0	Avg	0.5463	0.5430	0.5663	0.5886	0.5275	0.4905	0.4774	---	---	---	0.534	4.05	0.999	1.00	7.4	20.00	5.00	10.00	50.00	100.0	250.0	500.0	20.00	5.00	10.00	50.00	100.0	250.0	500.0
Chloroform	1	0	Avg	0.7306	0.7082	0.7639	0.7178	0.6400	0.6258	0.6288	---	---	---	0.688	4.05	1.00	1.00	8.1	20.00	5.00	10.00	50.00	100.0	250.0	500.0	20.00	5.00	10.00	50.00	100.0	250.0	500.0
Dibromofluoromethane	1	0	Avg	0.2609	0.2573	0.2839	0.2634	0.2438	0.2481	0.2447	0.2850	0.2688	0.262	4.16	-1	-1	5.9	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Cyclohexane	1	0	Avg	0.6884	0.5451	0.6977	0.7077	0.6611	0.6561	0.6505	---	---	---	0.658	4.25	1.00	1.00	8.3	20.00	5.00	10.00	50.00	100.0	250.0	500.0	20.00	5.00	10.00	50.00	100.0	250.0	500.0
1,2-Dichloroethane-d4	1	0	Avg	0.0503	0.0526	0.0533	0.0545	0.0509	0.0436	0.0491	0.0519	0.0544	0.051	2.43	-1	-1	6.6	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
1,2-Dichloroethane	1	0	LinF	0.5598	0.5464	0.5597	0.5173	0.4549	0.4170	0.3760	---	---	---	0.490	4.44	0.997	1.00	15	20.00	5.00	10.00	50.00	100.0	250.0	500.0	20.00	5.00	10.00	50.00	100.0	250.0	500.0
2-Butanone	1	0	LinF	0.1079	0.1433	0.0969	0.1193	0.0982	0.0962	0.0821	---	---	---	0.106	3.83	0.993	0.999	19	20.00	5.00	10.00	50.00	100.0	250.0	500.0	20.00	5.00	10.00	50.00	100.0	250.0	500.0
1,1,1-Trichloroethane	1	0	Avg	0.5518	0.5388	0.5291	0.5504	0.5140	0.5239	0.5208	---	---	---	0.533	4.19	1.00	1.00	2.8	20.00	5.00	10.00	50.00	100.0	250.0	500.0	20.00	5.00	10.00	50.00	100.0	250.0	500.0
Carbon Tetrachloride	1	0	Avg	0.5230	0.4614	0.5387	0.5167	0.4833	0.4706	0.4477	---	---	---	0.492	4.31	0.999	1.00	7.0	20.00	5.00	10.00	50.00	100.0	250.0	500.0	20.00	5.00	10.00	50.00	100.0	250.0	500.0
Vinyl Acetate	1	0	Avg	1.1757	1.0451	1.1771	1.1662	1.0753	1.0326	0.9985	---	---																				

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Calibration Level Concentrations																	
								Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9									
1	1M56809.	CAL @ 20 PPB	04/30/10 11:55	2	1M56811.	CAL @ 5 PPB	04/30/10 12:27	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00										
3	1M56810.	CAL @ 10 PPB	04/30/10 12:11	4	1M56808.	CAL @ 50 PPB	04/30/10 11:39	20.00	5.00	10.00	50.00	100.0	250.0	500.0											
5	1M56807.	CAL @ 100 PPB	04/30/10 11:23	6	1M56806.	CAL @ 250 PPB	04/30/10 11:06	20.00	5.00	10.00	50.00	100.0	250.0	500.0											
7	1M56805.	CAL @ 500 PPB	04/30/10 10:50	8	1M56813.	CAL @ 1 PPB	04/30/10 13:00	20.00	5.00	10.00	50.00	100.0	250.0	500.0											
9	1M56814.	CAL @ 0.5 PPB	04/30/10 13:16					20.00	5.00	10.00	50.00	100.0	250.0	500.0											
Compound	Col Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRt	RT	Corr1	Corr2	%Rsd									
Benzene	1	0	Avg	1.7557	1.5626	1.7024	1.5953	1.4067	1.3334	1.2178	1.6822	1.53	4.44	0.998	1.00	13	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
tert-Butyl methyl ether	1	0	Avg	0.4671	0.4754	0.4777	0.5032	0.4466	0.4281	0.4177	---	0.459	4.50	1.00	1.00	6	20.00	5.00	10.00	50.00	100.0	250.0	500.0		
Dibromochloromethane	1	0	Avg	0.4567	0.4002	0.4643	0.4457	0.4504	0.4097	0.4035	---	0.433	6.08	1.00	1.00	6	20.00	5.00	10.00	50.00	100.0	250.0	500.0		
2-Chloroethvinyl ether	1	0	LinF	0.1647	0.1201	0.1566	0.1920	0.1977	0.1938	0.1996	---	0.175	5.29	1.00	1.00	17	20.00	5.00	10.00	50.00	100.0	250.0	500.0		
cis-1,3-Dichloropropene	1	0	Avg	0.7115	0.6723	0.6039	0.7461	0.7272	0.7004	0.7015	---	0.695	5.39	1.00	1.00	6	20.00	5.00	10.00	50.00	100.0	250.0	500.0		
trans-1,3-Dichloropropene	1	0	Avg	0.5373	0.5079	0.4672	0.5852	0.6025	0.5668	0.5791	---	0.549	5.72	1.00	1.00	8	20.00	5.00	10.00	50.00	100.0	250.0	500.0		
1,1,2-Trichloroethane	1	0	Avg	0.3171	0.3182	0.3014	0.3294	0.2980	0.2865	0.2655	---	0.302	5.84	0.998	1.00	7	20.00	5.00	10.00	50.00	100.0	250.0	500.0		
1,2-Dibromoethane	1	0	Avg	0.3253	0.3269	0.3187	0.3361	0.3282	0.2885	0.2957	---	0.317	6.16	0.999	0.999	5	20.00	5.00	10.00	50.00	100.0	250.0	500.0		
1,3-Dichloropropane	1	0	Avg	0.6115	0.6015	0.6558	0.6411	0.5902	0.5210	0.4789	---	0.586	5.93	0.997	1.00	11	20.00	5.00	10.00	50.00	100.0	250.0	500.0		
4-Methyl-2-Pentanone	1	0	Avg	0.3001	0.3028	0.2895	0.3219	0.3122	0.2946	0.2951	---	0.302	5.47	1.00	1.00	3	20.00	5.00	10.00	50.00	100.0	250.0	500.0		
2-Hexanone	1	0	Avg	0.1821	0.1479	0.1696	0.2172	0.2132	0.1948	0.1851	---	0.187	5.96	0.998	1.00	13	20.00	5.00	10.00	50.00	100.0	250.0	500.0		
Tetrachloroethene	1	0	Avg	0.5969	0.5637	0.6251	0.5929	0.5534	0.4836	0.4393	---	0.551	5.95	0.996	1.00	12	20.00	5.00	10.00	50.00	100.0	250.0	500.0		
Toluene-d8	1	0	Avg	0.8647	0.8435	0.8822	0.9071	0.8613	0.9386	0.9028	0.8869	0.8354	0.880	5.57	-1	-1	3	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Toluene	1	0	LinF	1.3430	1.3541	1.2825	1.3164	1.2294	1.0738	---	1.8433	1.35	5.61	0.996	1.00	18	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,1,1,2-Tetrachloroethene	1	0	Avg	0.4827	0.5130	0.4806	0.4670	0.4544	0.3936	0.3662	---	0.451	6.50	0.997	1.00	12	20.00	5.00	10.00	50.00	100.0	250.0	500.0		
Chlorobenzene	1	0	Avg	1.3868	1.5390	1.4479	1.4288	1.3455	1.2020	1.1386	---	1.36	6.46	0.998	1.00	10	20.00	5.00	10.00	50.00	100.0	250.0	500.0		
Bromoforn	1	0	Avg	0.5055	0.4721	0.4766	0.5175	0.5071	0.4989	0.6539	---	0.519	6.95	0.987	0.999	12	20.00	5.00	10.00	50.00	100.0	250.0	500.0		
Ethylbenzene	1	0	Avg	0.8682	0.8334	0.7445	0.8831	0.8836	0.8278	0.8806	0.5927	---	0.814	6.51	0.999	1.00	12	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00
1,1,2,2-Tetrachloroethene	1	0	Avg	0.5484	0.4960	0.5067	0.5748	0.5661	0.5446	0.6812	---	0.560	7.20	0.991	0.999	11	20.00	5.00	10.00	50.00	100.0	250.0	500.0		
Bromofluorobenzene	1	0	Avg	0.8856	0.8315	0.8377	0.9327	0.9622	1.0000	---	0.9022	0.967	7.14	-1	-1	6	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	
Stivene	1	0	Avg	2.0365	1.7054	1.8784	2.0473	2.0561	1.8338	2.0323	---	1.94	6.82	0.998	0.999	7	20.00	5.00	10.00	50.00	100.0	250.0	500.0		
m&D-Xylenes	1	0	Avg	1.4045	1.1203	1.3834	1.3616	1.3061	1.1256	1.2178	0.9804	1.3440	1.25	6.57	0.998	0.999	12	40.00	10.00	20.00	100.0	200.0	500.0	1.00	
o-Xylene	1	0	Avg	1.3373	1.1019	1.2460	1.3549	1.2741	1.1620	1.2992	0.8964	---	1.21	6.82	0.997	0.999	13	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00
trans-1,4-Dichloro-2-bu	1	0	LinF	0.1615	0.1394	0.1223	0.1668	0.1821	0.1839	0.2324	---	0.170	7.22	0.990	1.00	21	20.00	5.00	10.00	50.00	100.0	250.0	500.0		
1,3-Dichlorobenzene	1	0	Avg	2.0337	1.9275	1.9130	1.9119	1.7989	1.5103	1.3586	---	1.78	7.83	0.995	0.999	14	20.00	5.00	10.00	50.00	100.0	250.0	500.0		
1,4-Dichlorobenzene	1	0	Avg	2.0122	1.9982	1.8977	1.8751	1.8665	1.6702	1.5722	---	1.84	7.87	0.998	1.00	8	20.00	5.00	10.00	50.00	100.0	250.0	500.0		
1,2-Dichlorobenzene	1	0	Avg	1.7780	1.8166	1.6407	1.6281	1.6543	1.4693	1.3925	---	1.63	8.12	0.999	1.00	9	20.00	5.00	10.00	50.00	100.0	250.0	500.0		
Isopropylbenzene	1	0	Avg	3.5535	3.1558	3.2430	3.7297	3.6645	3.4321	3.9515	2.3435	---	3.38	7.04	0.996	0.999	15	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00
Cyclohexanone	1	0	Lin	0.0142	0.0025	0.0109	0.0096	0.0122	0.0123	---	---	0.0103	7.10	0.998	0.998	40	100.0	25.00	50.00	250.0	500.0	1250.			
1,2,3-Trichloropropane	1	0	Avg	0.6995	0.6398	0.6351	0.6935	0.7372	0.6843	0.8102	---	0.700	7.23	0.994	0.999	8	20.00	5.00	10.00	50.00	100.0	250.0	500.0		
2-Chlorotoluene	1	0	Avg	2.2974	2.1163	2.0571	2.1673	2.0847	1.8529	1.7381	---	2.04	7.35	0.998	1.00	9	20.00	5.00	10.00	50.00	100.0	250.0	500.0		
p-Ethyltoluene	1	0	Avg	4.8646	3.3335	4.5207	3.7673	3.6906	3.5320	3.4117	---	3.87	7.35	1.00	1.00	15	20.00	5.00	10.00	50.00	100.0	250.0	500.0		
4-Chlorotoluene	1	0	Avg	2.1746	1.8921	2.0009	1.9241	2.0200	1.8742	2.0528	---	1.99	7.42	0.998	1.00	5	20.00	5.00	10.00	50.00	100.0	250.0	500.0		
n-Propylbenzene	1	0	Avg	4.8108	3.8852	4.1048	4.4881	4.5758	4.1345	4.7851	3.6466	---	4.30	7.28	0.996	0.999	9	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00
Bromobenzene	1	0	Avg	1.9804	1.9265	1.9150	1.9800	1.9975	1.8999	2.2617	---	1.99	7.24	0.994	0.999	6	20.00	5.00	10.00	50.00	100.0	250.0	500.0		
1,3,5-Trimethylbenzene	1	0	Avg	3.1715	2.9839	2.9609	3.0637	3.1629	2.5510	3.0678	1.8854	---	2.86	7.38	0.993	0.997	15	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00
t-Butylbenzene	1	0	Avg	3.0554	2.3415	2.7555	3.0262	3.0303	2.8261	2.9313	2.3566	---	2.79	7.60	1.00	1.00	10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00
1,2,4-Trimethylbenzene	1	0	Avg	3.1664	2.8571	2.9187	3.1339	3.1416	2.8888	2.6560	2.0934	---	2.86	7.62	0.998	1.00	12	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00
sec-Butylbenzene	1	0	Avg	4.0712	3.3047	3.6945	4.0572	4.0536	3.8493	3.5431	2.5454	---	3.64	7.73	0.998	1.00	14	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00
4-Isopropyltoluene	1	0	Avg	3.3966	2.6766	2.9848	3.2106	3.2564	2.8965	2.5943	2.2105	---	2.90	7.81	0.996	1.00	14	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00
n-Butylbenzene	1	0	Avg	3.9241	3.5293	3.6399	3.9390	3.9972	3.6085	3.3328	2.7151	---	3.59	8.07	0.998	1.00	12	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00

Flags

a - failed the spec criteria
b - failed the ccc criteria
c - failed the minimum correlation coeff criteria (if applicable)

Note:

Corr 1 = Correlation Coefficient for linear Eq.
Corr 2 = Correlation Coefficient for quad Eq.
Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Calibration Level Concentrations										
								Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9		
1	1M56809.	CAL @ 20 PPB	04/30/10 11:55	2	1M56811.	CAL @ 5 PPB	04/30/10 12:27											
3	1M56810.	CAL @ 10 PPB	04/30/10 12:11	4	1M56808.	CAL @ 50 PPB	04/30/10 11:39											
5	1M56807.	CAL @ 100 PPB	04/30/10 11:23	6	1M56806.	CAL @ 250 PPB	04/30/10 11:06											
7	1M56805.	CAL @ 500 PPB	04/30/10 10:50	8	1M56813.	CAL @ 1 PPB	04/30/10 13:00											
9	1M56814.	CAL @ 0.5 PPB	04/30/10 13:16															
Compound	Col	Mr	Ft:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRt	RT	Corr1	Corr2	%Rsd	
p-Diethylbenzene	1	0	Avg	2.0693	1.7264	1.9087	2.1415	2.1641	1.9262	1.7437	----	----	1.95	8.05	0.996	1.00	9.1	20.00
1,2,4,5-Tetramethylbenzene	1	0	Avg	2.9493	2.0865	2.5150	3.2140	3.3293	2.9515	2.7876	----	----	2.83	8.55	0.998	1.00	15	20.00
1,2-Dibromo-3-Chlorobenzene	1	0	Avg	0.1214	0.1116	0.1051	0.1155	0.1262	0.1161	0.1221	----	----	0.117	8.60	0.999	1.00	6.1	20.00
Hexachlorobutadiene	1	0	Avg	1.8583	1.6913	1.7064	1.8739	1.8138	1.6321	1.5711	----	----	1.74	9.25	0.999	1.00	6.7	20.00
1,2,4-Trichlorobenzene	1	0	Avg	1.6482	1.4302	1.4199	1.5579	1.6115	1.4439	1.4018	----	----	1.50	9.16	0.999	1.00	6.8	20.00
1,2,3-Trichlorobenzene	1	0	Avg	1.5210	1.2686	1.4250	1.4431	1.4079	1.2566	1.2005	----	----	1.36	9.49	0.999	1.00	8.7	20.00
Naphthalene	1	0	Avg	1.6676	1.2688	1.5122	1.7168	1.7609	1.5816	1.5523	1.2582	----	1.54	9.33	0.999	1.00	12	20.00

Flags

a - failed the spec criteria

b - failed the ccc criteria

c - failed the minimum correlation coeff criteria (if applicable)

Note:

Corr 1 = Correlation Coefficient for linear Eq.

Corr 2 = Correlation Coefficient for quad Eq.

Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

SampleID : CAL @ 20 PPB
 Data File: 1M56809.D
 Acq On : 04/30/10 11:55

Operator : WP
 Sam Mult : 1 Vial# : 7
 Misc : S,5G

Qt Meth : 1M_S0430.M
 Qt On : 04/30/10 13:07
 Qt Upd On: 04/30/10 11:51

Data Path : G:\GcMsData\2010\GCMS_1\Data\04-30-10\
 Qt Path : G:\GcMsData\2010\GCMS_1\MethodQt\
 Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.604	96	109004	30.00	ug/l	0.00
48) Chlorobenzene-d5	6.436	117	88366	30.00	ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.855	152	58050	30.00	ug/l	-0.01
System Monitoring Compounds						
33) Dibromofluoromethane	4.161	111	28448	30.64	ug/l	0.00
Spiked Amount 30.000			Recovery =	102.13%		
35) 1,2-Dichloroethane-d4	4.387	102	5488	29.35	ug/l	0.00
Spiked Amount 30.000			Recovery =	97.83%		
59) Toluene-d8	5.569	100	76411	27.34	ug/l	0.00
Spiked Amount 30.000			Recovery =	91.13%		
67) Bromofluorobenzene	7.136	174	51411	28.78	ug/l	0.00
Spiked Amount 30.000			Recovery =	95.93%		
Target Compounds						
5) Chlorodifluoromethane	1.365	51	45614	19.93	ug/l	1
6) Dichlorodifluoromethane	1.365	85	31578	29.24	ug/l	93
7) Chloromethane	1.482	50	27917	24.34	ug/l	99
8) Bromomethane	1.817	94	15113	21.67	ug/l	95
9) Vinyl Chloride	1.566	62	22782	24.02	ug/l	95
10) Chloroethane	1.884	64	14881	20.86	ug/l	89
11) Trichlorofluoromethane	2.068	101	43891	19.78	ug/l	90
12) 1,1,2-Trichloro-1,2,2-...	2.456	101	21970	19.27	ug/l	97
13) Methylene Chloride	2.811	84	27919	20.73	ug/l	96
14) Acrolein	2.368	56	10500	107.57	ug/l	90
15) Acrylonitrile	2.988	53	5090	20.85	ug/l	60
16) Iodomethane	2.574	142	46715	20.61	ug/l	66
17) Acetone	2.476	43	20710	99.83	ug/l	97
18) Carbon Disulfide	2.634	76	81394	18.74	ug/l	100
19) t-Butyl Alcohol	2.870	59	3446	112.06	ug/l	93
20) n-Hexane	3.254	57	34263	17.96	ug/l	88
21) Di-isopropyl-ether	3.412	45	101509	21.26	ug/l	88
22) 1,1-Dichloroethene	2.456	61	49380	20.17	ug/l	87
23) Methyl Acetate	2.732	43	12509	19.34	ug/l	100
24) Methyl-t-butyl ether	3.028	73	37956	22.08	ug/l	84
25) 1,1-Dichloroethane	3.353	63	53523	20.70	ug/l	98
26) trans-1,2-Dichloroethene	3.028	96	26833	21.28	ug/l	74
27) cis-1,2-Dichloroethene	3.826	61	47387	20.22	ug/l	96
28) Bromochloromethane	3.993	49	27536	22.17	ug/l	68
29) 2,2-Dichloropropane	3.826	77	34183	19.40	ug/l	90
30) 1,4-Dioxane	5.047	88	7004	1231.58	ug/l	90
31) 1,1-Dichloropropene	4.299	75	39702	19.80	ug/l	94
32) Chloroform	4.052	83	53093	21.85	ug/l	95
34) Cyclohexane	4.249	56	50028	18.62	ug/l	90
36) 1,2-Dichloroethane	4.436	62	40681	23.92	ug/l	96
37) 2-Butanone	3.826	43	7843	20.99	ug/l	92
38) 1,1,1-Trichloroethane	4.190	97	40104	20.18	ug/l	92
39) Carbon Tetrachloride	4.308	117	38012	20.45	ug/l	98
40) Vinyl Acetate	3.412	43	85439	21.48	ug/l	100
41) Bromodichloromethane	5.126	83	40025	21.45	ug/l	99
42) Methylcyclohexane	4.968	83	44602	19.64	ug/l	79
43) Dibromomethane	5.037	174	22327	22.10	ug/l	88
44) 1,2-Dichloropropane	4.968	63	34097	24.13	ug/l	94
45) Trichloroethene	4.831	130	32093	21.24	ug/l	91
46) Benzene	4.436	78	127592	23.14	ug/l	100
47) tert-Amyl methyl ether	4.496	73	33946	21.02	ug/l	95
49) Dibromochloromethane	6.082	129	26907	19.89	ug/l	96
50) 2-Chloroethylvinylether	5.294	63	9705	16.69	ug/l	93
51) cis-1,3-Dichloropropene	5.392	75	41916	20.01	ug/l	100
52) trans-1,3-Dichloropropene	5.717	75	31658	18.48	ug/l	96
53) 1,1,2-Trichloroethane	5.835	97	18682	18.08	ug/l	96
54) 1,2-Dibromoethane	6.161	107	19166	19.60	ug/l	90
55) 1,3-Dichloropropane	5.934	76	36025	19.95	ug/l	99
56) 4-Methyl-2-Pentanone	5.471	43	17683	19.24	ug/l	88
57) 2-Hexanone	5.964	43	10730	18.04	ug/l	97
58) Tetrachloroethene	5.954	164	35169	19.41	ug/l	91
60) Toluene	5.609	92	79121	19.67	ug/l	89
61) 1,1,1,2-Tetrachloroethane	6.496	133	28441	20.18	ug/l	98
62) Chlorobenzene	6.456	112	81701	18.88	ug/l	96
64) Bromoform	6.949	173	19566	19.26	ug/l	91
65) Ethylbenzene	6.505	106	33600	19.54	ug/l	92
66) 1,1,2,2-Tetrachloroethane	7.195	83	21225	17.57	ug/l	92
68) Styrene	6.821	104	78814	19.75	ug/l	90
69) m&p-Xylenes	6.574	106	108712	41.72	ug/l	95

Quantitation Report (QT Reviewed)

SampleID : CAL @ 20 PPB Operator : WP Qt Meth : 1M_S0430.M
 Data File: 1M56809.D Sam Mult : 1 Vial# : 7 Qt On : 04/30/10 13:07
 Acq On : 04/30/10 11:55 Misc : S,5G Qt Upd On: 04/30/10 11:51

Data Path : G:\GcMsData\2010\GCMS_1\Data\04-30-10\
 Qt Path : G:\GcMsData\2010\GCMS_1\MethodQt\
 Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) o-Xylene	6.821	106	51754	21.35	ug/l	87
71) trans-1,4-Dichloro-2-b...	7.225	53	6253	16.80	ug/l	88
72) 1,3-Dichlorobenzene	7.826	146	78704	19.99	ug/l	97
73) 1,4-Dichlorobenzene	7.875	146	77872	20.79	ug/l	98
74) 1,2-Dichlorobenzene	8.121	146	68809	20.41	ug/l	98
75) Isopropylbenzene	7.037	105	137521	19.73	ug/l	98
76) Cyclohexanone	7.097	55	2747	112.75	ug/l #	75
77) 1,2,3-Trichloropropane	7.235	75	27074	19.21	ug/l	91
78) 2-Chlorotoluene	7.353	91	88912	20.31	ug/l	95
79) p-Ethyltoluene	7.353	105	188262	20.46	ug/l	100
80) 4-Chlorotoluene	7.422	91	84160	19.88	ug/l	98
81) n-Propylbenzene	7.284	91	186181	20.46	ug/l	98
82) Bromobenzene	7.244	77	76645	19.05	ug/l	94
83) 1,3,5-Trimethylbenzene	7.382	105	122738m	23.42	ug/l	
84) t-Butylbenzene	7.599	119	118245	19.36	ug/l	96
85) 1,2,4-Trimethylbenzene	7.619	105	122542	19.81	ug/l	99
86) sec-Butylbenzene	7.727	105	157557	19.26	ug/l	100
87) 4-Isopropyltoluene	7.806	119	131565	19.99	ug/l	98
88) n-Butylbenzene	8.072	91	151866	19.08	ug/l	97
89) p-Diethylbenzene	8.052	119	80084	19.08	ug/l	98
90) 1,2,4,5-Tetramethylben...	8.555	119	114140	19.17	ug/l	93
91) 1,2-Dibromo-3-Chloropr...	8.604	157	4698	21.06	ug/l	83
92) Hexachlorobutadiene	9.254	225	71919	19.33	ug/l	99
93) 1,2,4-Trichlorobenzene	9.156	180	63787	21.60	ug/l	97
94) 1,2,3-Trichlorobenzene	9.491	180	58863	21.67	ug/l	93
95) Naphthalene	9.333	128	64539	21.59	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

SampleID : CAL @ 5 PPB
Data File: 1M56811.D
Acq On : 04/30/10 12:27

Operator : WP
Sam Mult : 1 Vial# : 9
Misc : S,5G

Qt Meth : 1M S0430.M
Qt On : 04/30/10 13:07
Qt Upd On: 04/30/10 11:51

Data Path : G:\GcMsData\2010\GCMS_1\Data\04-30-10\
Qt Path : G:\GcMsData\2010\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.604	96	109460	30.00	ug/l	0.00
48) Chlorobenzene-d5	6.437	117	84149	30.00	ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.865	152	58855	30.00	ug/l	0.00
System Monitoring Compounds						
33) Dibromofluoromethane	4.161	111	28170	30.21	ug/l	0.00
Spiked Amount 30.000			Recovery =	100.70%		
35) 1,2-Dichloroethane-d4	4.387	102	5767	30.71	ug/l	0.00
Spiked Amount 30.000			Recovery =	102.37%		
59) Toluene-d8	5.570	100	70987	26.67	ug/l	0.00
Spiked Amount 30.000			Recovery =	88.90%		
67) Bromofluorobenzene	7.136	174	48941	27.02	ug/l	0.00
Spiked Amount 30.000			Recovery =	90.07%		
Target Compounds						
						Qvalue
5) Chlorodifluoromethane	1.365	51	11804	5.14	ug/l	1
6) Dichlorodifluoromethane	1.365	85	7904	7.29	ug/l	96
7) Chloromethane	1.499	50	6858	5.95	ug/l	95
8) Bromomethane	1.817	94	3977	5.68	ug/l	82
9) Vinyl Chloride	1.566	62	5397	5.67	ug/l	79
10) Chloroethane	1.884	64	4454	6.22	ug/l	87
11) Trichlorofluoromethane	2.069	101	9470	4.25	ug/l	98
12) 1,1,2-Trichloro-1,2,2-...	2.456	101	4785	4.18	ug/l	93
13) Methylene Chloride	2.811	84	7146	5.28	ug/l	96
14) Acrolein	2.378	56	2242	22.87	ug/l	81
15) Acrylonitrile	2.988	53	763m	3.11	ug/l	
16) Iodomethane	2.575	142	12057	5.30	ug/l	85
17) Acetone	2.476	43	7324	35.16	ug/l	83
18) Carbon Disulfide	2.634	76	19949	4.57	ug/l	100
19) t-Butyl Alcohol	2.870	59	681m	22.05	ug/l	
20) n-Hexane	3.254	57	7991	4.17	ug/l	91
21) Di-isopropyl-ether	3.412	45	23050	4.81	ug/l	83
22) 1,1-Dichloroethene	2.456	61	11597	4.72	ug/l	93
23) Methyl Acetate	2.732	43	3606	5.55	ug/l	100
24) Methyl-t-butyl ether	3.028	73	8803	5.10	ug/l	93
25) 1,1-Dichloroethane	3.363	63	12288	4.73	ug/l	98
26) trans-1,2-Dichloroethene	3.038	96	6301	4.98	ug/l	# 58
27) cis-1,2-Dichloroethene	3.826	61	12040	5.12	ug/l	81
28) Bromochloromethane	3.993	49	6065	4.86	ug/l	90
29) 2,2-Dichloropropane	3.836	77	8421	4.76	ug/l	87
30) 1,4-Dioxane	5.048	88	1088	190.52	ug/l	77
31) 1,1-Dichloropropene	4.299	75	9907	4.92	ug/l	92
32) Chloroform	4.053	83	12921	5.30	ug/l	98
34) Cyclohexane	4.250	56	9946	3.69	ug/l	77
36) 1,2-Dichloroethane	4.437	62	9969	5.84	ug/l	96
37) 2-Butanone	3.826	43	2616	6.97	ug/l	82
38) 1,1,1-Trichloroethane	4.190	97	9831	4.93	ug/l	77
39) Carbon Tetrachloride	4.309	117	8419	4.51	ug/l	83
40) Vinyl Acetate	3.412	43	19067	4.77	ug/l	100
41) Bromodichloromethane	5.126	83	10115	5.40	ug/l	79
42) Methylcyclohexane	4.969	83	9898	4.34	ug/l	80
43) Dibromomethane	5.048	174	5006	4.93	ug/l	77
44) 1,2-Dichloropropane	4.969	63	7837	5.52	ug/l	77
45) Trichloroethene	4.831	130	6448	4.25	ug/l	# 67
46) Benzene	4.437	78	28507	5.15	ug/l	100
47) tert-Amyl methyl ether	4.496	73	8674	5.35	ug/l	96
49) Dibromochloromethane	6.082	129	5613	4.36	ug/l	88
50) 2-Chloroethylvinylether	5.294	63	1685	3.04	ug/l	82
51) cis-1,3-Dichloropropene	5.402	75	9430	4.73	ug/l	76
52) trans-1,3-Dichloropropene	5.718	75	7124	4.37	ug/l	94
53) 1,1,2-Trichloroethane	5.836	97	4463	4.54	ug/l	88
54) 1,2-Dibromoethane	6.161	107	4585	4.92	ug/l	98
55) 1,3-Dichloropropane	5.944	76	8436	4.91	ug/l	96
56) 4-Methyl-2-Pentanone	5.481	43	4247	4.85	ug/l	83
57) 2-Hexanone	5.964	43	2075	3.66	ug/l	90
58) Tetrachloroethene	5.954	164	7907	4.58	ug/l	61
60) Toluene	5.609	92	18992	4.96	ug/l	89
61) 1,1,1,2-Tetrachloroethane	6.496	133	7195	5.36	ug/l	83
62) Chlorobenzene	6.456	112	21585	5.24	ug/l	96
64) Bromoform	6.959	173	4631	4.50	ug/l	97
65) Ethylbenzene	6.506	106	8175	4.69	ug/l	96
66) 1,1,2,2-Tetrachloroethane	7.195	83	4866	3.97	ug/l	93
68) Styrene	6.821	104	16729	4.13	ug/l	84
69) m&p-Xylenes	6.575	106	21979	8.32	ug/l	89

Quantitation Report (QT Reviewed)

SampleID : CAL @ 5 PPB
 Data File: 1M56811.D
 Acq On : 04/30/10 12:27

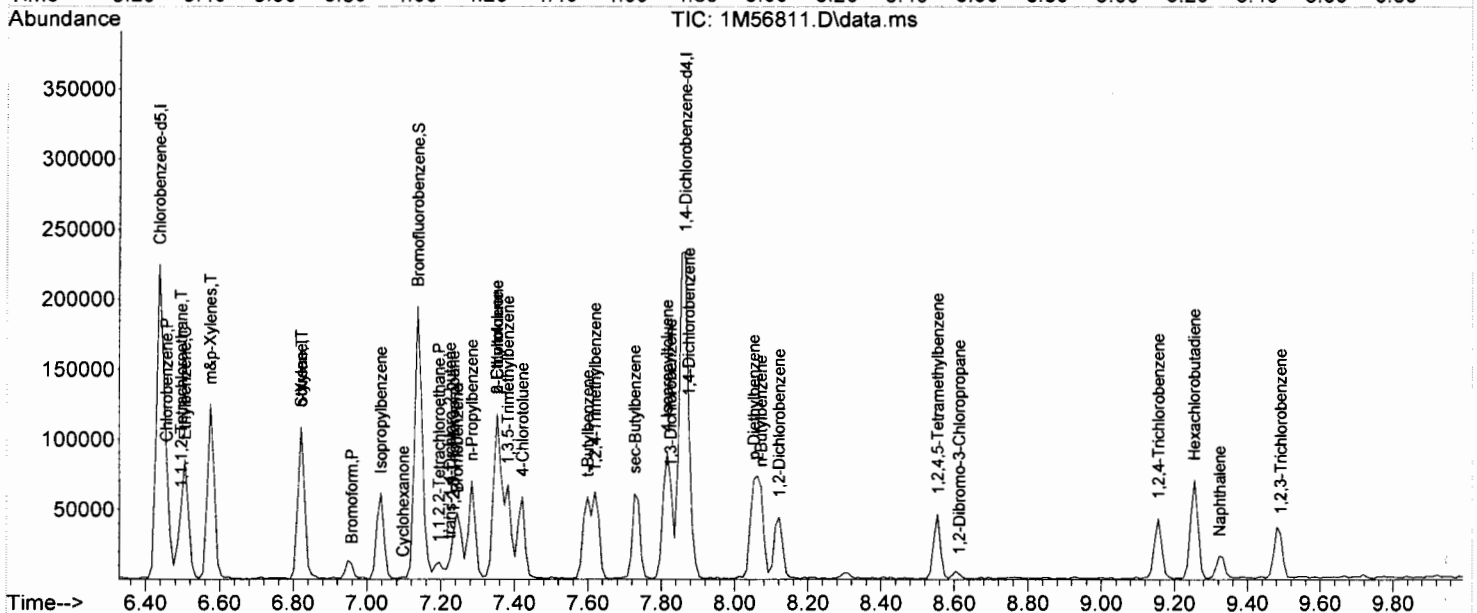
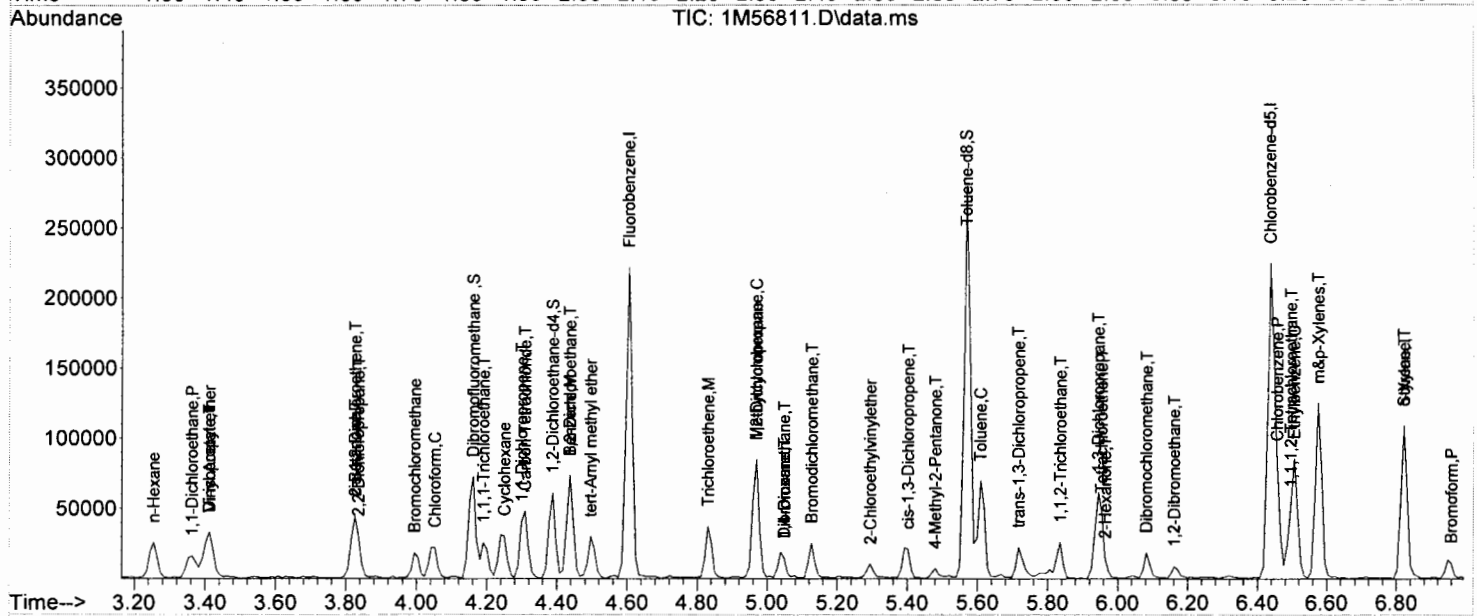
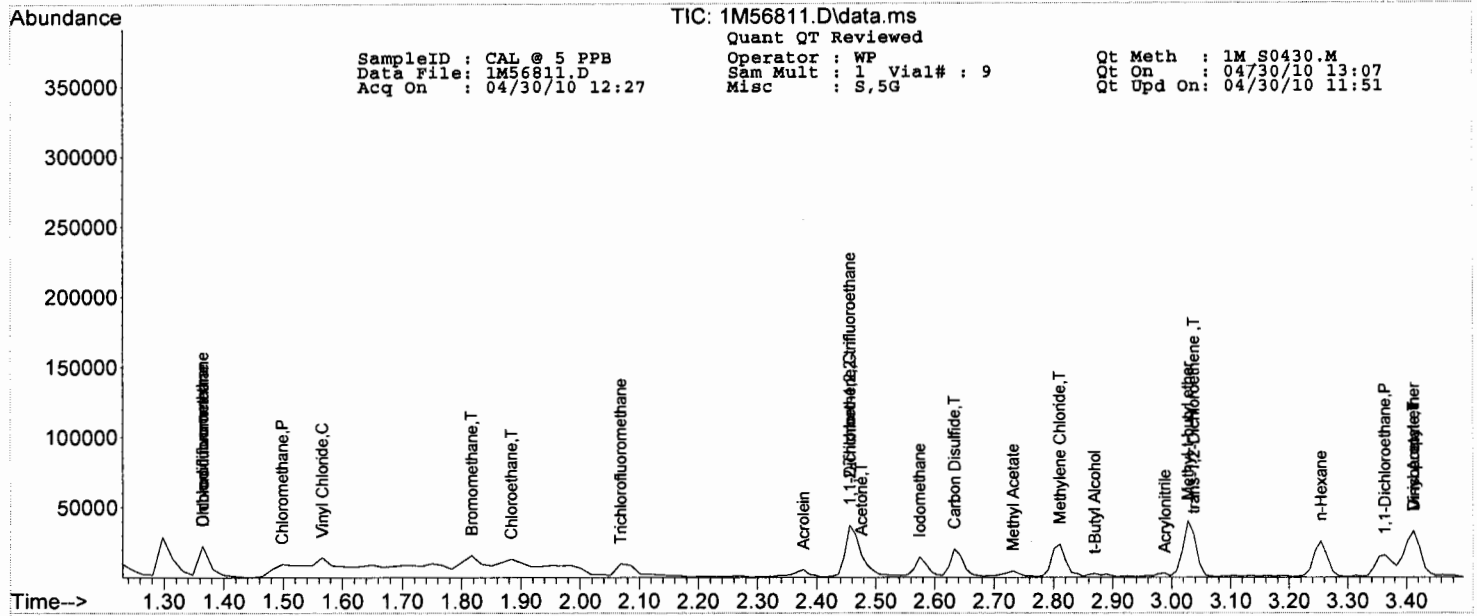
Operator : WP
 Sam Mult : 1 Vial# : 9
 Misc : S,SG

Qt Meth : 1M_S0430.M
 Qt On : 04/30/10 13:07
 Qt Upd On: 04/30/10 11:51

Data Path : G:\GcMsData\2010\GCMS_1\Data\04-30-10\
 Qt Path : G:\GcMsData\2010\GCMS_1\MethodQt\
 Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) o-Xylene	6.821	106	10809	4.40	ug/l	97
71) trans-1,4-Dichloro-2-b...	7.225	53	1368	3.62	ug/l #	71
72) 1,3-Dichlorobenzene	7.826	146	18908	4.74	ug/l	97
73) 1,4-Dichlorobenzene	7.875	146	19601	5.16	ug/l	85
74) 1,2-Dichlorobenzene	8.121	146	17820	5.21	ug/l	92
75) Isopropylbenzene	7.038	105	30956	4.38	ug/l	95
76) Cyclohexanone	7.097	55	124m	5.02	ug/l	
77) 1,2,3-Trichloropropane	7.235	75	6276	4.39	ug/l	93
78) 2-Chlorotoluene	7.353	91	20760	4.68	ug/l	97
79) p-Ethyltoluene	7.353	105	32699	3.50	ug/l	88
80) 4-Chlorotoluene	7.422	91	18560	4.32	ug/l	94
81) n-Propylbenzene	7.284	91	38111	4.13	ug/l	94
82) Bromobenzene	7.245	77	18898	4.63	ug/l	94
83) 1,3,5-Trimethylbenzene	7.383	105	29270m	5.51	ug/l	
84) t-Butylbenzene	7.599	119	22969	3.71	ug/l	91
85) 1,2,4-Trimethylbenzene	7.619	105	28026	4.47	ug/l	93
86) sec-Butylbenzene	7.727	105	32417	3.91	ug/l	99
87) 4-Isopropyltoluene	7.816	119	26256	3.93	ug/l	95
88) n-Butylbenzene	8.072	91	34620	4.29	ug/l	97
89) p-Diethylbenzene	8.053	119	16935	3.98	ug/l	97
90) 1,2,4,5-Tetramethylben...	8.555	119	20467	3.39	ug/l	98
91) 1,2-Dibromo-3-Chloropr...	8.614	157	1095	4.84	ug/l #	8
92) Hexachlorobutadiene	9.254	225	16591	4.40	ug/l	98
93) 1,2,4-Trichlorobenzene	9.156	180	14030	4.69	ug/l	96
94) 1,2,3-Trichlorobenzene	9.491	180	12444	4.52	ug/l	92
95) Naphthalene	9.323	128	12446	4.11	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed



SampleID : CAL @ 10 PPB Operator : WP Qt Meth : 1M_S0430.M
 Data File: 1M56810.D Sam Mult : 1 Vial# : 8 Qt On : 04/30/10 13:07
 Acq On : 04/30/10 12:11 Misc : S,5G Qt Upd On: 04/30/10 11:51

Data Path : G:\GcMsData\2010\GCMS_1\Data\04-30-10\
 Qt Path : G:\GcMsData\2010\GCMS_1\MethodQt\
 Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.605	96	106597	30.00	ug/l	0.00
48) Chlorobenzene-d5	6.438	117	86527	30.00	ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.856	152	61134	30.00	ug/l	0.00
System Monitoring Compounds						
33) Dibromofluoromethane	4.162	111	30269	33.34	ug/l	0.00
Spiked Amount 30.000			Recovery =	111.13%		
35) 1,2-Dichloroethane-d4	4.388	102	5685	31.09	ug/l	0.00
Spiked Amount 30.000			Recovery =	103.63%		
59) Toluene-d8	5.571	100	76335	27.89	ug/l	0.00
Spiked Amount 30.000			Recovery =	92.97%		
67) Bromofluorobenzene	7.137	174	51212	27.22	ug/l	0.00
Spiked Amount 30.000			Recovery =	90.73%		
Target Compounds						
5) Chlorodifluoromethane	1.376	51	21281	9.51	ug/l	1
6) Dichlorodifluoromethane	1.360	85	13721	12.99	ug/l	86
7) Chloromethane	1.494	50	14590	13.01	ug/l	100
8) Bromomethane	1.812	94	7997	11.73	ug/l	84
9) Vinyl Chloride	1.578	62	11054	11.92	ug/l	99
10) Chloroethane	1.879	64	7842	11.24	ug/l	92
11) Trichlorofluoromethane	2.080	101	19832	9.14	ug/l	96
12) 1,1,2-Trichloro-1,2,2-...	2.457	101	10096	9.05	ug/l	88
13) Methylene Chloride	2.812	84	14251	10.82	ug/l	95
14) Acrolein	2.369	56	4341	45.48	ug/l	82
15) Acrylonitrile	2.989	53	1935	8.10	ug/l	94
16) Iodomethane	2.576	142	23187	10.46	ug/l	67
17) Acetone	2.487	43	11149	54.96	ug/l	81
18) Carbon Disulfide	2.635	76	41145	9.69	ug/l	100
19) t-Butyl Alcohol	2.881	59	1536	51.08	ug/l #	1
20) n-Hexane	3.255	57	16744	8.97	ug/l	89
21) Di-isopropyl-ether	3.413	45	49264	10.55	ug/l	90
22) 1,1-Dichloroethane	2.457	61	23157	9.67	ug/l	87
23) Methyl Acetate	2.723	43	6239	9.86	ug/l	100
24) Methyl-t-butyl ether	3.029	73	16833	10.01	ug/l	95
25) 1,1-Dichloroethane	3.354	63	25283	10.00	ug/l	97
26) trans-1,2-Dichloroethene	3.029	96	13087	10.61	ug/l	80
27) cis-1,2-Dichloroethene	3.817	61	23601	10.30	ug/l	91
28) Bromochloromethane	3.994	49	13207	10.87	ug/l	74
29) 2,2-Dichloropropane	3.827	77	17377	10.09	ug/l	90
30) 1,4-Dioxane	5.048	88	2760	496.28	ug/l	88
31) 1,1-Dichloropropene	4.300	75	20124	10.26	ug/l	94
32) Chloroform	4.044	83	27143	11.42	ug/l	89
34) Cyclohexane	4.241	56	24794	9.43	ug/l	82
36) 1,2-Dichloroethane	4.438	62	19888	11.96	ug/l	93
37) 2-Butanone	3.817	43	3443	9.42	ug/l	95
38) 1,1,1-Trichloroethane	4.191	97	18802	9.68	ug/l	98
39) Carbon Tetrachloride	4.310	117	19144	10.53	ug/l	91
40) Vinyl Acetate	3.413	43	41827	10.75	ug/l	100
41) Bromodichloromethane	5.127	83	19501	10.69	ug/l	94
42) Methylcyclohexane	4.970	83	19948	8.98	ug/l	87
43) Dibromomethane	5.039	174	10578	10.70	ug/l	94
44) 1,2-Dichloropropane	4.970	63	15205	11.01	ug/l	83
45) Trichloroethene	4.832	130	16263	11.00	ug/l	99
46) Benzene	4.438	78	60493	11.22	ug/l	100
47) tert-Amyl methyl ether	4.497	73	16976	10.75	ug/l	93
49) Dibromochloromethane	6.083	129	13393	10.11	ug/l	87
50) 2-Chloroethylvinylether	5.295	63	4519	7.93	ug/l	98
51) cis-1,3-Dichloropropene	5.393	75	17419	8.49	ug/l	94
52) trans-1,3-Dichloropropene	5.718	75	13477	8.03	ug/l	89
53) 1,1,2-Trichloroethane	5.837	97	8695	8.59	ug/l	98
54) 1,2-Dibromoethane	6.172	107	9193	9.60	ug/l	82
55) 1,3-Dichloropropane	5.935	76	18916	10.70	ug/l	98
56) 4-Methyl-2-Pentanone	5.472	43	8351	9.28	ug/l	78
57) 2-Hexanone	5.975	43	4893	8.40	ug/l	86
58) Tetrachloroethene	5.955	164	18030	10.16	ug/l	93
60) Toluene	5.610	92	36992	9.39	ug/l	99
61) 1,1,1,2-Tetrachloroethane	6.497	133	13863	10.04	ug/l	96
62) Chlorobenzene	6.457	112	41762	9.86	ug/l	94
64) Bromoform	6.950	173	9714	9.08	ug/l	91
65) Ethylbenzene	6.507	106	15172	8.38	ug/l	91
66) 1,1,2,2-Tetrachloroethane	7.196	83	10326	8.12	ug/l	92
68) Styrene	6.822	104	38278	9.11	ug/l	90
69) m&p-Xylenes	6.576	106	56385	20.55	ug/l	86

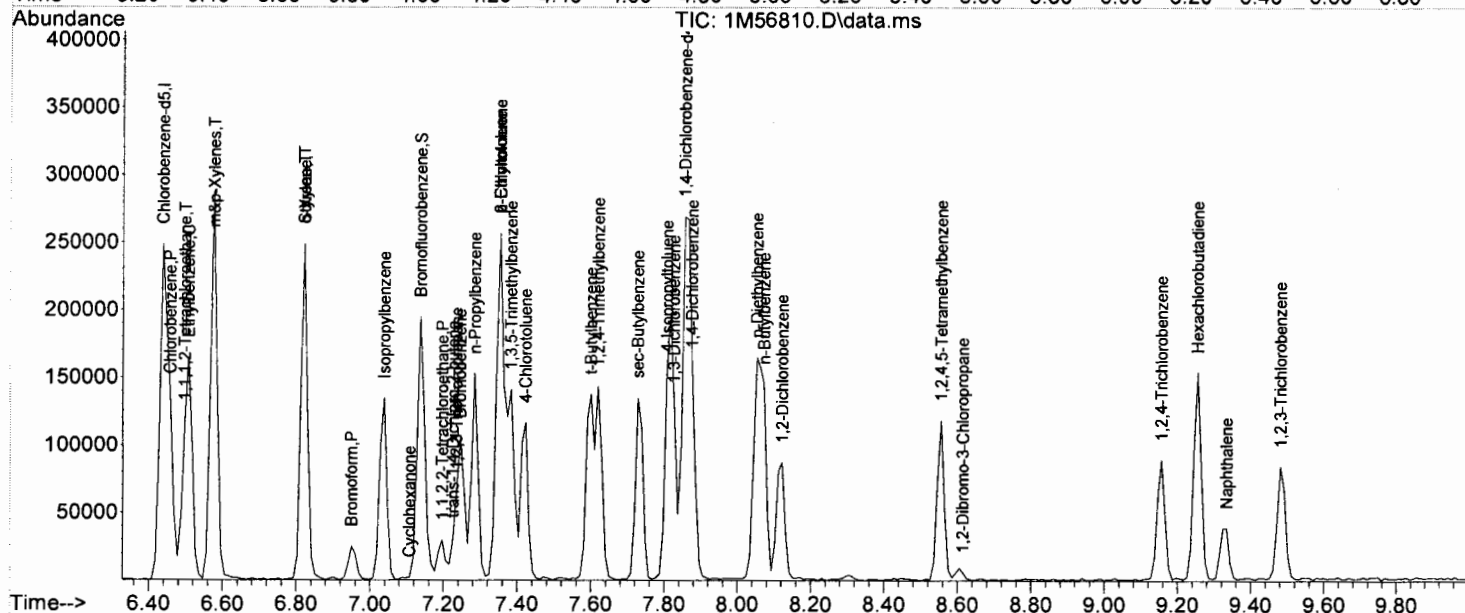
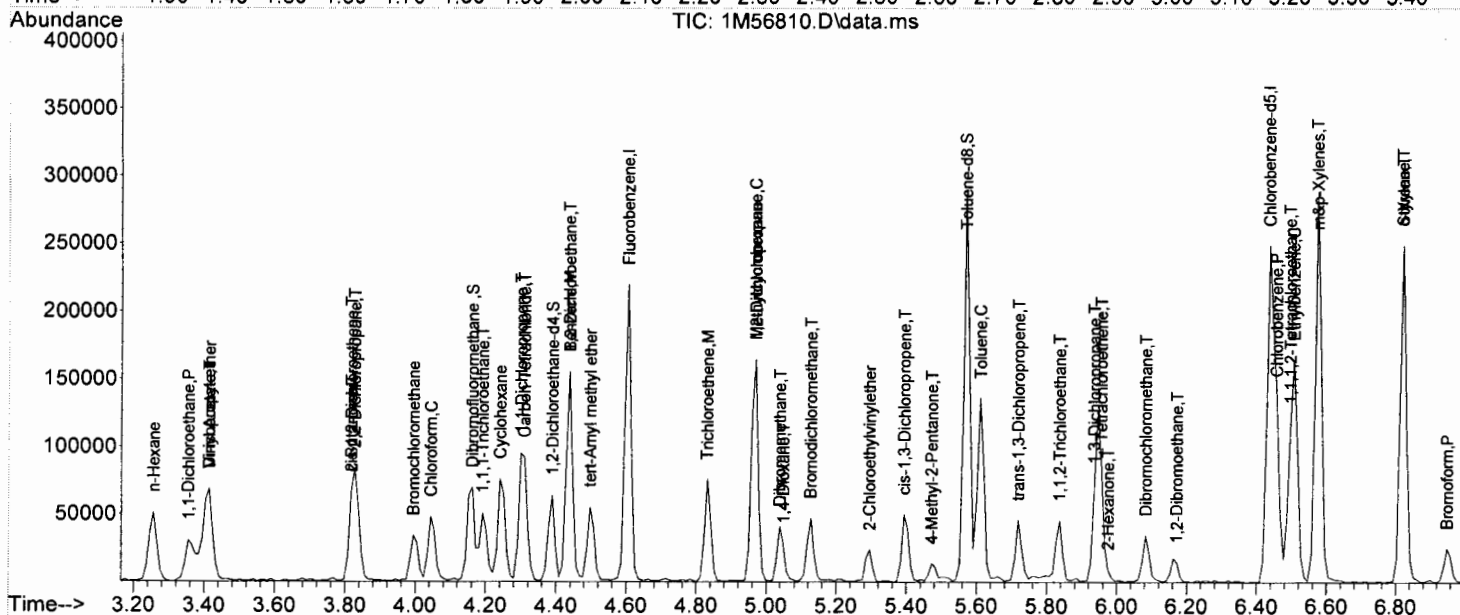
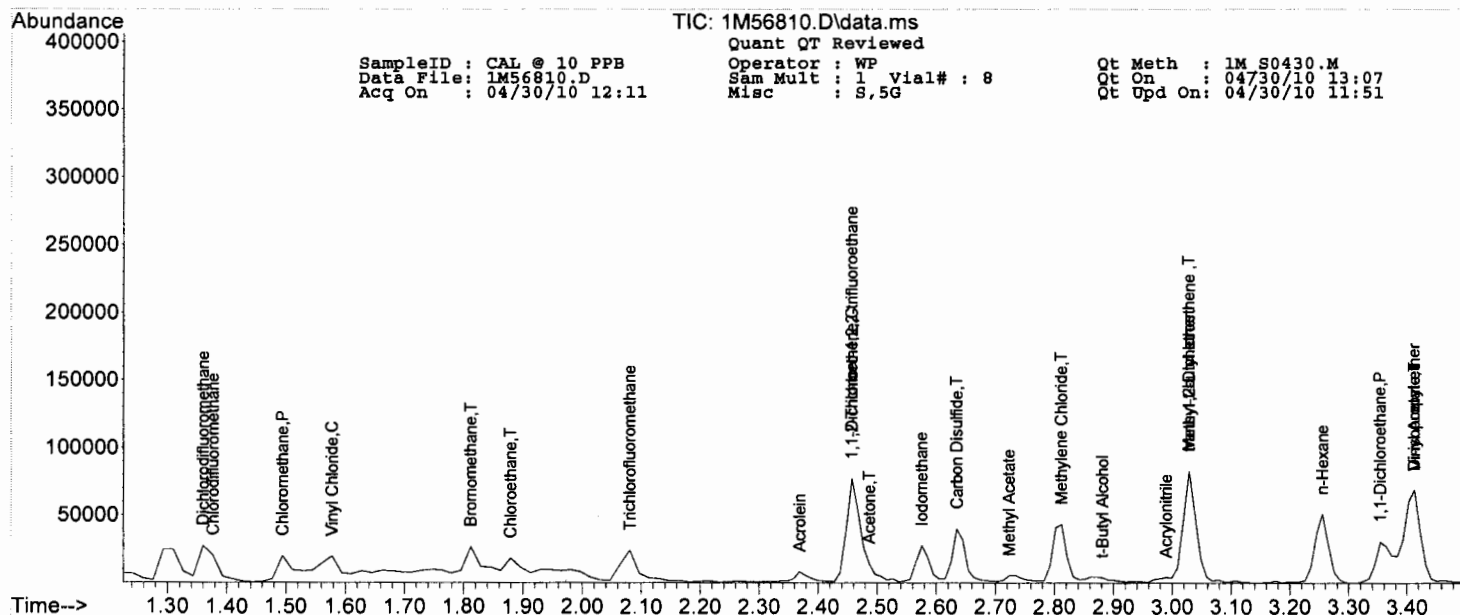
Quantitation Report (QT Reviewed)

SampleID : CAL @ 10 PPB Operator : WP Qt Meth : 1M_S0430.M
 Data File: 1M56810.D Sam Mult : 1 Vial# : 8 Qt On : 04/30/10 13:07
 Acq On : 04/30/10 12:11 Misc : S,5G Qt Upd On: 04/30/10 11:51

Data Path : G:\GCMSData\2010\GCMS_1\Data\04-30-10\
 Qt Path : G:\GCMSData\2010\GCMS_1\MethodQt\
 Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) o-Xylene	6.822	106	25392	9.94	ug/l	90
71) trans-1,4-Dichloro-2-b...	7.226	53	2494	6.36	ug/l	54
72) 1,3-Dichlorobenzene	7.827	146	38985	9.40	ug/l	98
73) 1,4-Dichlorobenzene	7.876	146	38673	9.81	ug/l	93
74) 1,2-Dichlorobenzene	8.122	146	33436	9.42	ug/l	98
75) Isopropylbenzene	7.039	105	66086	9.00	ug/l	99
76) Cyclohexanone	7.108	55	1113	43.38	ug/l #	19
77) 1,2,3-Trichloropropane	7.236	75	12944	8.72	ug/l	99
78) 2-Chlorotoluene	7.354	91	41920	9.09	ug/l	97
79) p-Ethyltoluene	7.354	105	92123	9.50	ug/l	100
80) 4-Chlorotoluene	7.423	91	40776	9.15	ug/l	93
81) n-Propylbenzene	7.285	91	83648	8.73	ug/l	97
82) Bromobenzene	7.246	77	39024	9.21	ug/l	96
83) 1,3,5-Trimethylbenzene	7.383	105	60338m	10.93	ug/l	
84) t-Butylbenzene	7.600	119	56153	8.73	ug/l	96
85) 1,2,4-Trimethylbenzene	7.620	105	59479	9.13	ug/l	98
86) sec-Butylbenzene	7.728	105	75287	8.74	ug/l	97
87) 4-Isopropyltoluene	7.807	119	60826	8.78	ug/l	98
88) n-Butylbenzene	8.073	91	74174	8.85	ug/l	97
89) p-Diethylbenzene	8.053	119	38896	8.80	ug/l	93
90) 1,2,4,5-Tetramethylben...	8.556	119	51252	8.17	ug/l	100
91) 1,2-Dibromo-3-Chloropr...	8.615	157	2142	9.12	ug/l	97
92) Hexachlorobutadiene	9.255	225	34774	8.88	ug/l	95
93) 1,2,4-Trichlorobenzene	9.157	180	28935	9.30	ug/l	92
94) 1,2,3-Trichlorobenzene	9.482	180	29040	10.15	ug/l	96
95) Naphthalene	9.334	128	30816	9.79	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed



SampleID : CAL @ 50 PPB
Data File: 1M56808.D
Acq On : 04/30/10 11:39

Operator : WP
Sam Mult : 1 Vial# : 6
Misc : S,5G

Qt Meth : 1M_S0430.M
Qt On : 04/30/10 11:52
Qt Upd On: 04/30/10 11:51

Data Path : G:\GcMsData\2010\GCMS_1\Data\04-30-10\
Qt Path : G:\GcMsData\2010\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.605	96	107427	30.00	ug/l	0.00
48) Chlorobenzene-d5	6.437	117	84306	30.00	ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.856	152	57315	30.00	ug/l	0.00
System Monitoring Compounds						
33) Dibromofluoromethane	4.161	111	28302	30.93	ug/l	0.00
Spiked Amount 30.000			Recovery	=	103.10%	
35) 1,2-Dichloroethane-d4	4.388	102	5858	31.79	ug/l	0.00
Spiked Amount 30.000			Recovery	=	105.97%	
59) Toluene-d8	5.570	100	76477	28.68	ug/l	0.00
Spiked Amount 30.000			Recovery	=	95.60%	
67) Bromofluorobenzene	7.137	174	53462	30.31	ug/l	0.00
Spiked Amount 30.000			Recovery	=	101.03%	
Target Compounds						
						Qvalue
5) Chlorodifluoromethane	1.365	51	117345	52.01	ug/l	1
6) Dichlorodifluoromethane	1.365	85	68887	64.72	ug/l	100
7) Chloromethane	1.482	50	70456	62.33	ug/l	96
8) Bromomethane	1.817	94	36174	52.64	ug/l	98
9) Vinyl Chloride	1.566	62	58358	62.43	ug/l	93
10) Chloroethane	1.884	64	36728	52.23	ug/l	94
11) Trichlorofluoromethane	2.069	101	112894	51.62	ug/l	97
12) 1,1,2-Trichloro-1,2,2-...	2.457	101	52140	46.40	ug/l	94
13) Methylene Chloride	2.802	84	63546	47.87	ug/l	77
14) Acrolein	2.368	56	24241	252.00	ug/l	99
15) Acrylonitrile	2.979	53	14088	58.55	ug/l	95
16) Iodomethane	2.575	142	116080	51.97	ug/l	66
17) Acetone	2.477	43	51660	252.68	ug/l	94
18) Carbon Disulfide	2.634	76	205393	47.98	ug/l	100
19) t-Butyl Alcohol	2.871	59	6656	219.63	ug/l	51
20) n-Hexane	3.255	57	86039	45.75	ug/l	88
21) Di-isopropyl-ether	3.412	45	246763	52.43	ug/l	88
22) 1,1-Dichloroethene	2.457	61	120043	49.76	ug/l	96
23) Methyl Acetate	2.723	43	32629	51.19	ug/l	100
24) Methyl-t-butyl ether	3.028	73	90101	53.18	ug/l	86
25) 1,1-Dichloroethane	3.353	63	127659	50.11	ug/l	96
26) trans-1,2-Dichloroethene	3.028	96	63516	51.12	ug/l	71
27) cis-1,2-Dichloroethene	3.816	61	124947	54.09	ug/l	89
28) Bromochloromethane	3.994	49	64445	52.64	ug/l	74
29) 2,2-Dichloropropane	3.826	77	92996	53.56	ug/l	91
30) 1,4-Dioxane	5.038	88	19119	3411.23	ug/l	92
31) 1,1-Dichloropropene	4.299	75	105398	53.33	ug/l	100
32) Chloroform	4.043	83	128526	53.67	ug/l	93
34) Cyclohexane	4.240	56	126715	47.84	ug/l	89
36) 1,2-Dichloroethane	4.437	62	92626	55.26	ug/l	99
37) 2-Butanone	3.816	43	21376	58.03	ug/l	96
38) 1,1,1-Trichloroethane	4.191	97	98549	50.33	ug/l	92
39) Carbon Tetrachloride	4.309	117	92515	50.50	ug/l	93
40) Vinyl Acetate	3.412	43	208813	53.26	ug/l	100
41) Bromodichloromethane	5.127	83	100622	54.71	ug/l	97
42) Methylcyclohexane	4.969	83	112570	50.31	ug/l	78
43) Dibromomethane	5.038	174	53337	53.56	ug/l	95
44) 1,2-Dichloropropane	4.969	63	74771	53.70	ug/l	84
45) Trichloroethene	4.831	130	77505	52.04	ug/l	96
46) Benzene	4.437	78	285634	52.57	ug/l	100
47) tert-Amyl methyl ether	4.496	73	90095	56.59	ug/l	83
49) Dibromochloromethane	6.082	129	62632	48.54	ug/l	89
50) 2-Chloroethylvinylether	5.294	63	26981	48.62	ug/l	94
51) cis-1,3-Dichloropropene	5.393	75	104836	52.47	ug/l	94
52) trans-1,3-Dichloropropene	5.718	75	82226	50.30	ug/l	98
53) 1,1,2-Trichloroethane	5.836	97	46285	46.95	ug/l	96
54) 1,2-Dibromoethane	6.161	107	47230	50.62	ug/l	98
55) 1,3-Dichloropropane	5.935	76	90083	52.28	ug/l	92
56) 4-Methyl-2-Pentanone	5.472	43	45232	51.59	ug/l	93
57) 2-Hexanone	5.964	43	30521	53.80	ug/l	96
58) Tetrachloroethene	5.954	164	83315	48.20	ug/l	93
60) Toluene	5.610	92	184977	48.20	ug/l	95
61) 1,1,1,2-Tetrachloroethane	6.496	133	65628	48.80	ug/l	97
62) Chlorobenzene	6.457	112	200774	48.63	ug/l	100
64) Bromoform	6.949	173	49436	49.28	ug/l	96
65) Ethylbenzene	6.506	106	84360	49.68	ug/l	94
66) 1,1,2,2-Tetrachloroethane	7.196	83	54916	46.05	ug/l	84
68) Styrene	6.821	104	195575	49.63	ug/l	96
69) m&p-Xylenes	6.575	106	260145	101.11	ug/l	96

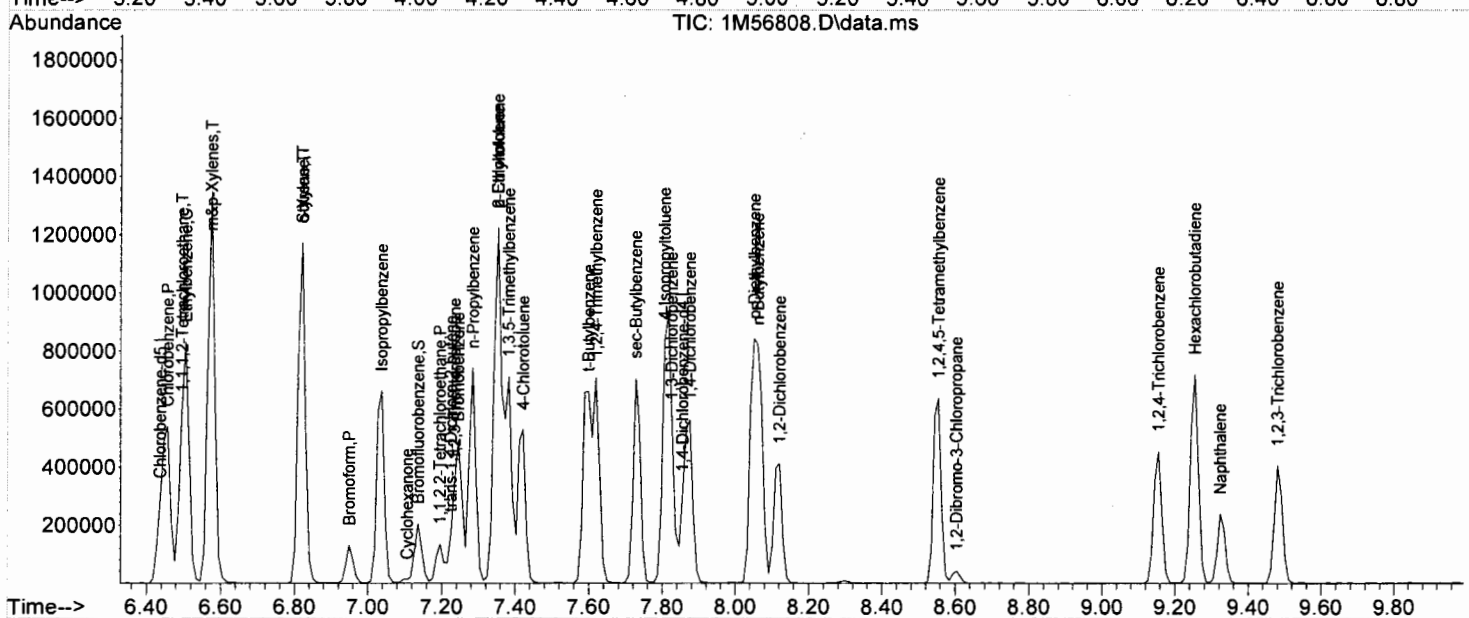
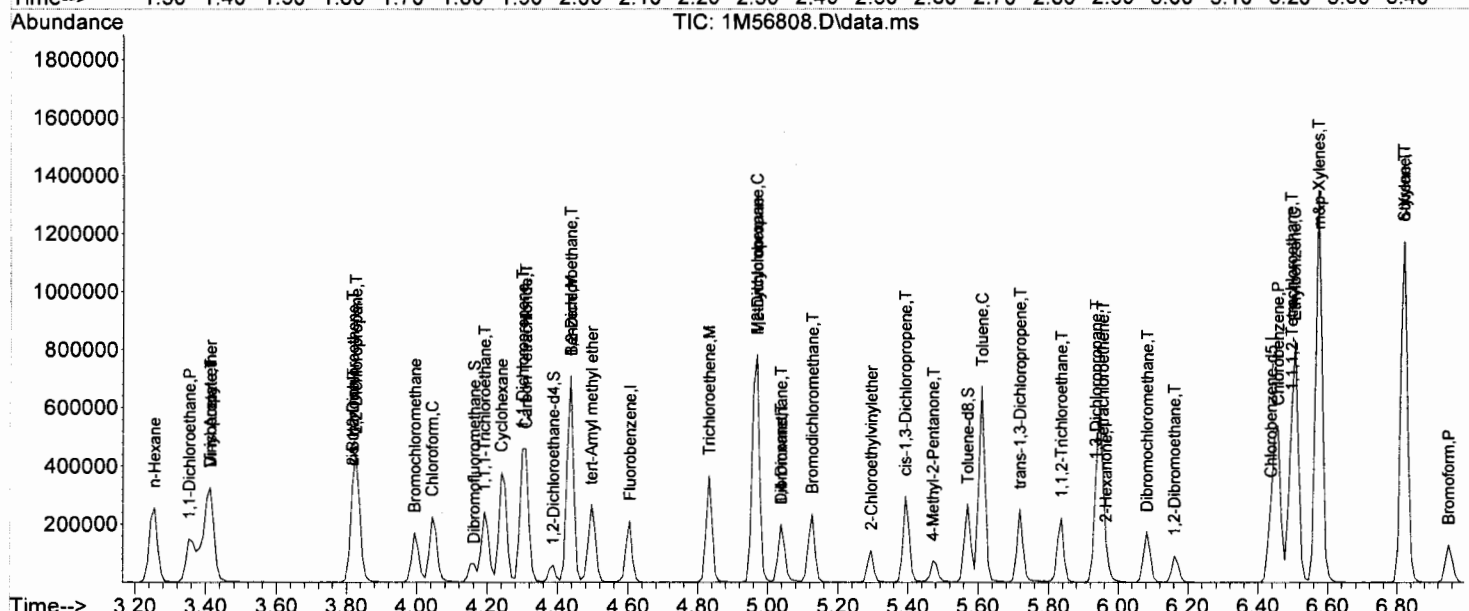
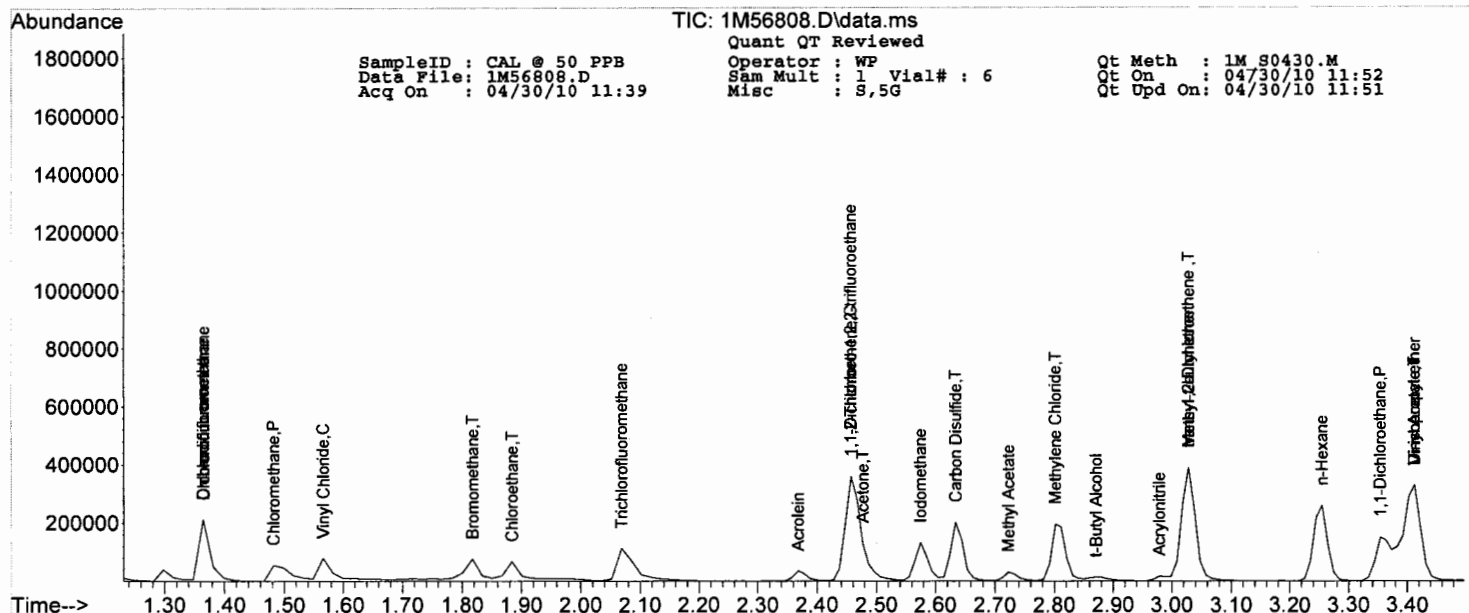
Quantitation Report (QT Reviewed)

SampleID : CAL @ 50 PPB Operator : WP Qt Meth : 1M_S0430.M
 Data File: 1M56808.D Sam Mult : 1 Vial# : 6 Qt On : 04/30/10 11:52
 Acq On : 04/30/10 11:39 Misc : S,5G Qt Upd On: 04/30/10 11:51

Data Path : G:\GcMsData\2010\GCMS_1\Data\04-30-10\
 Qt Path : G:\GcMsData\2010\GCMS_1\MethodQt\
 Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) o-Xylene	6.821	106	129428	54.07	ug/l	98
71) trans-1,4-Dichloro-2-b...	7.225	53	15934	43.36	ug/l	93
72) 1,3-Dichlorobenzene	7.826	146	182634	46.97	ug/l	97
73) 1,4-Dichlorobenzene	7.876	146	179119	48.44	ug/l	98
74) 1,2-Dichlorobenzene	8.122	146	155525	46.72	ug/l	97
75) Isopropylbenzene	7.038	105	356283	51.76	ug/l	98
76) Cyclohexanone	7.107	55	4615	191.86	ug/l #	67
77) 1,2,3-Trichloropropane	7.235	75	66251	47.62	ug/l	93
78) 2-Chlorotoluene	7.353	91	207040	47.90	ug/l	97
79) p-Ethyltoluene	7.353	105	359873	39.60	ug/l	100
80) 4-Chlorotoluene	7.422	91	183808	43.98	ug/l	97
81) n-Propylbenzene	7.284	91	428727	47.72	ug/l	96
82) Bromobenzene	7.245	77	189146	47.62	ug/l	93
83) 1,3,5-Trimethylbenzene	7.383	105	292667m	56.57	ug/l	
84) t-Butylbenzene	7.600	119	289079	47.93	ug/l	96
85) 1,2,4-Trimethylbenzene	7.619	105	299367	49.01	ug/l	98
86) sec-Butylbenzene	7.728	105	387569	47.98	ug/l	98
87) 4-Isopropyltoluene	7.807	119	306694	47.19	ug/l	97
88) n-Butylbenzene	8.063	91	376275	47.89	ug/l	97
89) p-Diethylbenzene	8.053	119	204575	49.38	ug/l	99
90) 1,2,4,5-Tetramethylben...	8.555	119	307021	52.23	ug/l	96
91) 1,2-Dibromo-3-Chloropr...	8.605	157	11035	50.10	ug/l	99
92) Hexachlorobutadiene	9.255	225	179013	48.74	ug/l	98
93) 1,2,4-Trichlorobenzene	9.156	180	148823	51.05	ug/l	95
94) 1,2,3-Trichlorobenzene	9.481	180	137853	51.39	ug/l	96
95) Naphthalene	9.324	128	163997	55.56	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed



SampleID : CAL @ 100 PPB Operator : WP Qt Meth : 1M_S0430.M
 Data File: 1M56807.D Sam Mult : 1 Vial# : 5 Qt On : 04/30/10 11:52
 Acq On : 04/30/10 11:23 Misc : S,5G Qt Upd On: 04/30/10 11:51

Data Path : G:\GcMsData\2010\GCMS_1\Data\04-30-10\
 Qt Path : G:\GcMsData\2010\GCMS_1\MethodQt\
 Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.604	96	118713	30.00	ug/l	0.00
48) Chlorobenzene-d5	6.436	117	87252	30.00	ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.855	152	55535	30.00	ug/l	-0.01
System Monitoring Compounds						
33) Dibromofluoromethane	4.160	111	28943	28.62	ug/l	0.00
Spiked Amount 30.000			Recovery =	95.40%		
35) 1,2-Dichloroethane-d4	4.387	102	6044	29.68	ug/l	0.00
Spiked Amount 30.000			Recovery =	98.93%		
59) Toluene-d8	5.569	100	75150	27.23	ug/l	0.00
Spiked Amount 30.000			Recovery =	90.77%		
67) Bromofluorobenzene	7.136	174	53436	31.27	ug/l	0.00
Spiked Amount 30.000			Recovery =	104.23%		
Target Compounds						
						Qvalue
5) Chlorodifluoromethane	1.363	51	234151	93.92	ug/l	1
6) Dichlorodifluoromethane	1.363	85	156271	132.86	ug/l	94
7) Chloromethane	1.497	50	132133	105.77	ug/l	94
8) Bromomethane	1.816	94	70074	92.27	ug/l	98
9) Vinyl Chloride	1.564	62	107068	103.65	ug/l	97
10) Chloroethane	1.883	64	71167	91.58	ug/l	99
11) Trichlorofluoromethane	2.067	101	224220	92.78	ug/l	97
12) 1,1,2-Trichloro-1,2,2-...	2.456	101	103343	83.22	ug/l	95
13) Methylene Chloride	2.810	84	131440	89.61	ug/l	98
14) Acrolein	2.367	56	47887	450.49	ug/l	96
15) Acrylonitrile	2.978	53	28449	107.00	ug/l	100
16) Iodomethane	2.574	142	237318	96.15	ug/l	73
17) Acetone	2.475	43	106542	471.58	ug/l	94
18) Carbon Disulfide	2.633	76	408991	86.46	ug/l	100
19) t-Butyl Alcohol	2.879	59	16510	492.98	ug/l	86
20) n-Hexane	3.254	57	181284	87.23	ug/l	85
21) Di-isopropyl-ether	3.411	45	489893	94.19	ug/l	86
22) 1,1-Dichloroethene	2.456	61	245778	92.20	ug/l	88
23) Methyl Acetate	2.722	43	58643	83.26	ug/l	100
24) Methyl-t-butyl ether	3.027	73	191768	102.42	ug/l	83
25) 1,1-Dichloroethane	3.352	63	259263	92.09	ug/l	97
26) trans-1,2-Dichloroethene	3.027	96	126906	92.43	ug/l	73
27) cis-1,2-Dichloroethene	3.825	61	249496	97.74	ug/l	96
28) Bromochloromethane	3.993	49	125776	92.96	ug/l	72
29) 2,2-Dichloropropane	3.825	77	186306	97.10	ug/l	91
30) 1,4-Dioxane	5.037	88	36233	5850.12	ug/l	74
31) 1,1-Dichloropropene	4.298	75	208761	95.58	ug/l	98
32) Chloroform	4.042	83	253283	95.71	ug/l	97
34) Cyclohexane	4.239	56	261625	89.39	ug/l	88
36) 1,2-Dichloroethane	4.436	62	180040	97.19	ug/l	96
37) 2-Butanone	3.815	43	38891	95.55	ug/l	93
38) 1,1,1-Trichloroethane	4.190	97	203401	94.00	ug/l	99
39) Carbon Tetrachloride	4.308	117	191252	94.48	ug/l	92
40) Vinyl Acetate	3.382	43	425505	98.22	ug/l	100
41) Bromodichloromethane	5.126	83	199201	98.01	ug/l	96
42) Methylcyclohexane	4.968	83	218099	88.20	ug/l	83
43) Dibromomethane	5.037	174	101449	92.19	ug/l	93
44) 1,2-Dichloropropane	4.968	63	147584	95.92	ug/l	92
45) Trichloroethene	4.830	130	152926	92.92	ug/l	92
46) Benzene	4.436	78	556656	92.71	ug/l	100
47) tert-Amyl methyl ether	4.495	73	176735	100.46	ug/l	82
49) Dibromochloromethane	6.081	129	130996	98.09	ug/l	92
50) 2-Chloroethylvinylether	5.293	63	57504	100.13	ug/l	95
51) cis-1,3-Dichloropropene	5.392	75	211502	102.28	ug/l	98
52) trans-1,3-Dichloropropene	5.717	75	175254	103.58	ug/l	96
53) 1,1,2-Trichloroethane	5.835	97	86682	84.95	ug/l	93
54) 1,2-Dibromoethane	6.160	107	95464	98.87	ug/l	97
55) 1,3-Dichloropropane	5.934	76	171669	96.27	ug/l	96
56) 4-Methyl-2-Pentanone	5.471	43	90813	100.08	ug/l	99
57) 2-Hexanone	5.963	43	62023	105.63	ug/l	92
58) Tetrachloroethene	5.953	164	160955	89.98	ug/l	97
60) Toluene	5.608	92	357562	90.03	ug/l	98
61) 1,1,1,2-Tetrachloroethane	6.495	133	132184	94.97	ug/l	96
62) Chlorobenzene	6.456	112	391332	91.59	ug/l	97
64) Bromoform	6.948	173	93887	96.58	ug/l	98
65) Ethylbenzene	6.505	106	163584	99.42	ug/l	94
66) 1,1,2,2-Tetrachloroethane	7.195	83	104804	90.71	ug/l	88
68) Styrene	6.820	104	380634	99.68	ug/l	90
69) m&p-Xylenes	6.574	106	483590	193.98	ug/l	99

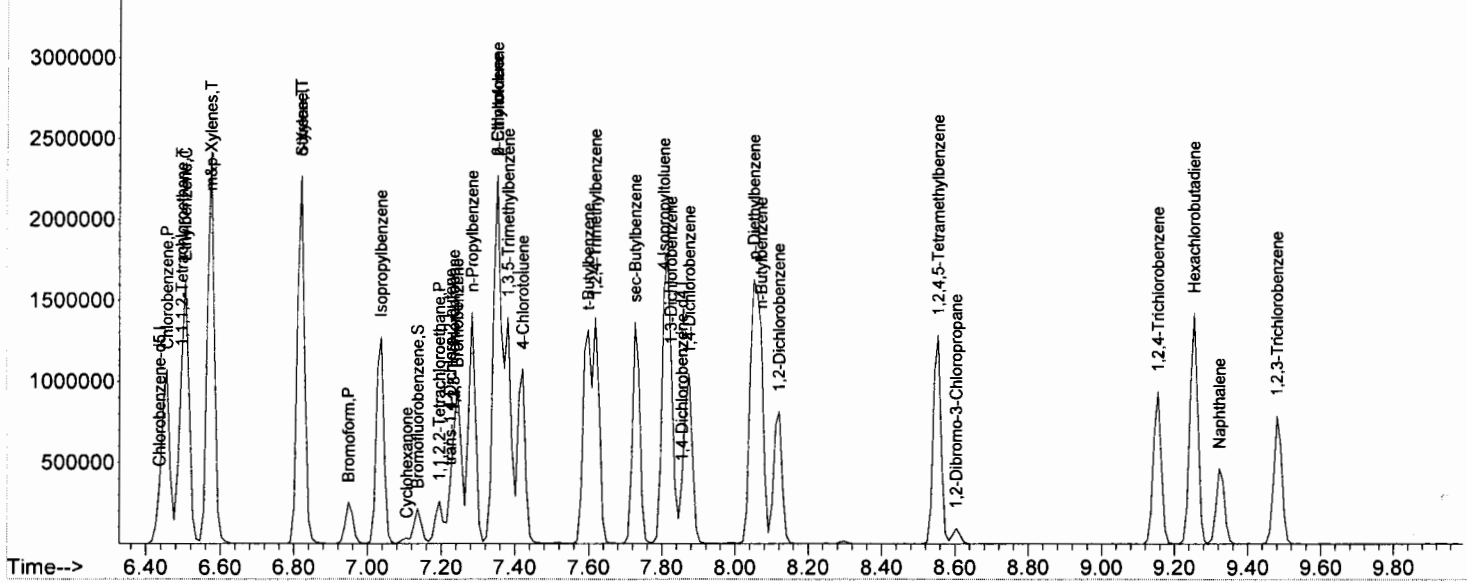
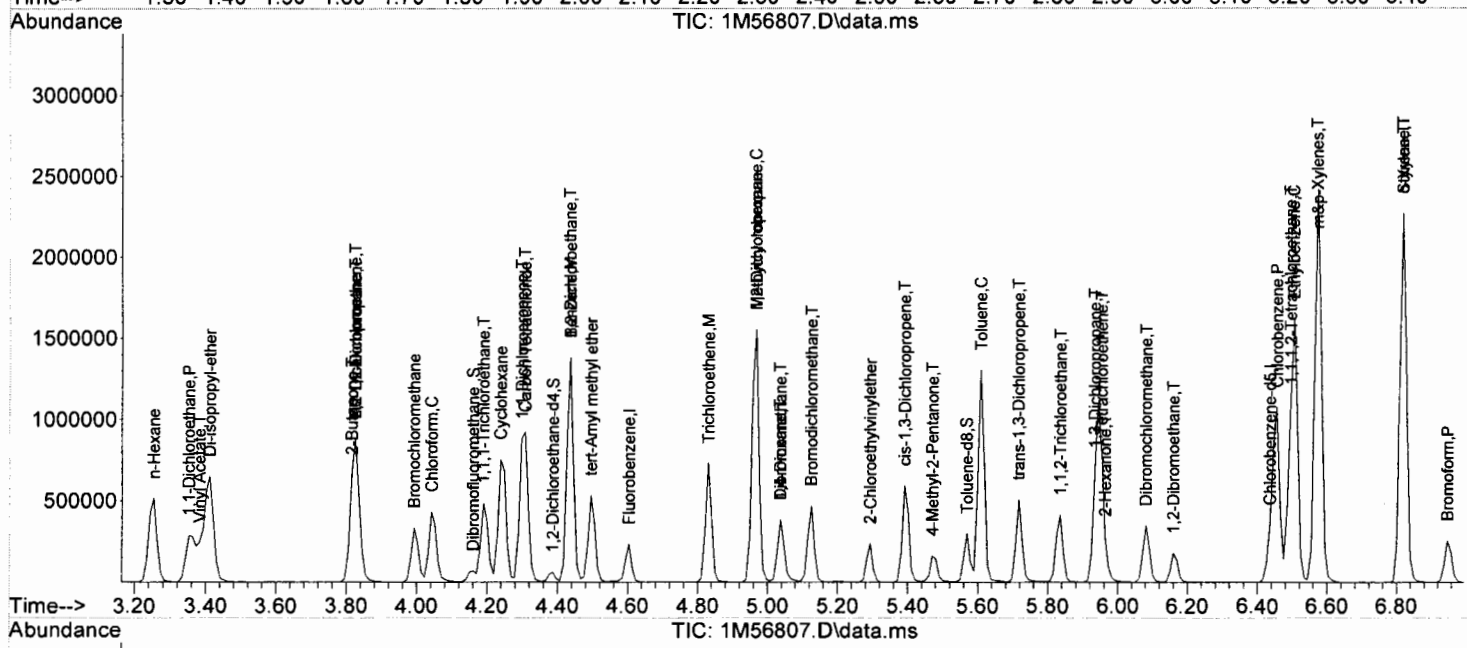
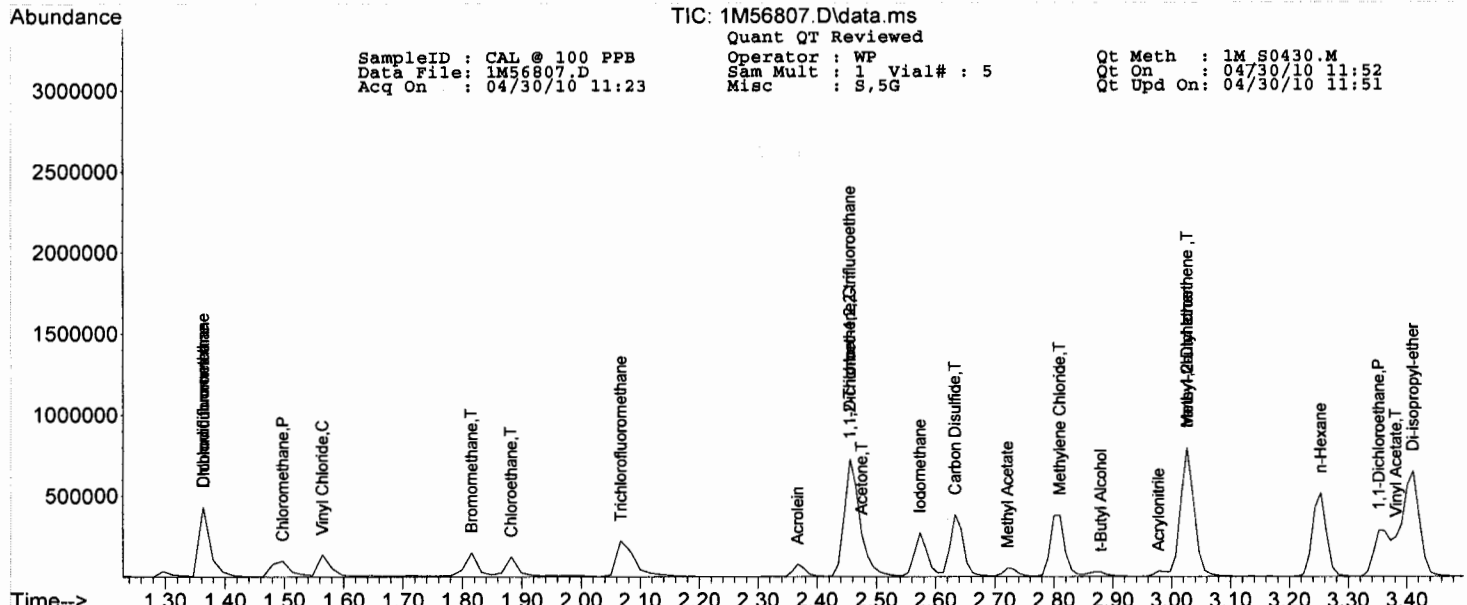
Quantitation Report (QT Reviewed)

SampleID : CAL @ 100 PPB Operator : WP Qt Meth : 1M_S0430.M
 Data File: 1M56807.D Sam Mult : 1 Vial# : 5 Qt On : 04/30/10 11:52
 Acq On : 04/30/10 11:23 Misc : S,5G Qt Upd On: 04/30/10 11:51

Data Path : G:\GcMsData\2010\GCMS_1\Data\04-30-10\
 Qt Path : G:\GcMsData\2010\GCMS_1\MethodQt\
 Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) o-Xylene	6.820	106	235862	101.69	ug/l	81
71) trans-1,4-Dichloro-2-b...	7.224	53	33725	94.71	ug/l	97
72) 1,3-Dichlorobenzene	7.825	146	333009	88.39	ug/l	98
73) 1,4-Dichlorobenzene	7.874	146	345520	96.44	ug/l	98
74) 1,2-Dichlorobenzene	8.121	146	306253	94.95	ug/l	99
75) Isopropylbenzene	7.037	105	678361	101.72	ug/l	99
76) Cyclohexanone	7.106	55	11310	485.25	ug/l	96
77) 1,2,3-Trichloropropane	7.234	75	136470	101.23	ug/l	93
78) 2-Chlorotoluene	7.352	91	385920	92.15	ug/l	96
79) p-Ethyltoluene	7.352	105	683201	77.59	ug/l	98
80) 4-Chlorotoluene	7.421	91	373952	92.34	ug/l	98
81) n-Propylbenzene	7.283	91	847071	97.30	ug/l	98
82) Bromobenzene	7.244	77	369782	96.08	ug/l	92
83) 1,3,5-Trimethylbenzene	7.382	105	585519m	116.80	ug/l	
84) t-Butylbenzene	7.599	119	560962	96.00	ug/l	96
85) 1,2,4-Trimethylbenzene	7.618	105	581580	98.27	ug/l	99
86) sec-Butylbenzene	7.727	105	750398	95.87	ug/l	100
87) 4-Isopropyltoluene	7.806	119	602824	95.73	ug/l	97
88) n-Butylbenzene	8.072	91	739953	97.19	ug/l	98
89) p-Diethylbenzene	8.052	119	400624	99.80	ug/l	97
90) 1,2,4,5-Tetramethylben...	8.554	119	616311	108.21	ug/l	99
91) 1,2-Dibromo-3-Chloropr...	8.604	157	23374	109.51	ug/l	94
92) Hexachlorobutadiene	9.254	225	335781	94.34	ug/l	98
93) 1,2,4-Trichlorobenzene	9.155	180	298324	105.61	ug/l	95
94) 1,2,3-Trichlorobenzene	9.480	180	260639	100.28	ug/l	94
95) Naphthalene	9.323	128	325976	113.97	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed



SampleID : CAL @ 250 PPB Operator : WP Qt Meth : 1M_S0430.M
 Data File: 1M56806.D Sam Mult : 1 Vial# : 4 Qt On : 04/30/10 11:52
 Acq On : 04/30/10 11:06 Misc : S,5G Qt Upd On: 04/30/10 11:51

Data Path : G:\GcMSData\2010\GCMS_1\Data\04-30-10\
 Qt Path : G:\GcMSData\2010\GCMS_1\MethodQt\
 Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.604	96	112281	30.00	ug/l	0.00
48) Chlorobenzene-d5	6.437	117	86393	30.00	ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.865	152	52839	30.00	ug/l	0.00
System Monitoring Compounds						
33) Dibromofluoromethane	4.161	111	27860	29.13	ug/l	0.00
Spiked Amount 30.000			Recovery =	97.10%		
35) 1,2-Dichloroethane-d4	4.387	102	4906	25.47	ug/l	0.00
Spiked Amount 30.000			Recovery =	84.90%		
59) Toluene-d8	5.570	100	81089	29.67	ug/l	0.00
Spiked Amount 30.000			Recovery =	98.90%		
67) Bromofluorobenzene	7.146	174	52843	32.50	ug/l	0.00
Spiked Amount 30.000			Recovery =	108.33%		
Target Compounds						
5) Chlorodifluoromethane	1.359	51	469271	199.01	ug/l	1
6) Dichlorodifluoromethane	1.359	85	360480	324.03	ug/l	91
7) Chloromethane	1.493	50	323830	274.07	ug/l	96
8) Bromomethane	1.811	94	156673	218.11	ug/l	95
9) Vinyl Chloride	1.576	62	227384	232.73	ug/l	99
10) Chloroethane	1.878	64	161627	219.91	ug/l	94
11) Trichlorofluoromethane	2.079	101	528668	231.28	ug/l	97
12) 1,1,2-Trichloro-1,2,2-...	2.456	101	241250	205.41	ug/l	96
13) Methylene Chloride	2.801	84	304880	219.75	ug/l	90
14) Acrolein	2.368	56	115816	1151.92	ug/l	98
15) Acrylonitrile	2.978	53	63703	253.31	ug/l	98
16) Iodomethane	2.575	142	551507	236.25	ug/l	73
17) Acetone	2.476	43	229279	1072.97	ug/l	98
18) Carbon Disulfide	2.634	76	989151	221.08	ug/l	100
19) t-Butyl Alcohol	2.870	59	38497	1215.36	ug/l	88
20) n-Hexane	3.254	57	430736	219.14	ug/l	87
21) Di-isopropyl-ether	3.412	45	1107434	225.13	ug/l	87
22) 1,1-Dichloroethene	2.456	61	571381	226.62	ug/l	93
23) Methyl Acetate	2.722	43	144712	217.22	ug/l	100
24) Methyl-t-butyl ether	3.028	73	414025	233.79	ug/l	83
25) 1,1-Dichloroethane	3.353	63	621077	233.24	ug/l	96
26) trans-1,2-Dichloroethene	3.028	96	291444	224.42	ug/l	74
27) cis-1,2-Dichloroethene	3.826	61	568880	235.61	ug/l	94
28) Bromochloromethane	3.993	49	291774	228.01	ug/l	69
29) 2,2-Dichloropropane	3.836	77	456868	251.77	ug/l	92
30) 1,4-Dioxane	5.047	88	71202	12154.72	ug/l	84
31) 1,1-Dichloropropene	4.299	75	459007	222.19	ug/l	98
32) Chloroform	4.052	83	585543	233.93	ug/l	98
34) Cyclohexane	4.249	56	613912	221.78	ug/l	89
36) 1,2-Dichloroethane	4.437	62	390177	222.70	ug/l	99
37) 2-Butanone	3.816	43	90063	233.94	ug/l	88
38) 1,1,1-Trichloroethane	4.190	97	490215	239.52	ug/l	98
39) Carbon Tetrachloride	4.309	117	440383	230.02	ug/l	96
40) Vinyl Acetate	3.382	43	966219	235.80	ug/l	100
41) Bromodichloromethane	5.126	83	458596	238.56	ug/l	95
42) Methylcyclohexane	4.969	83	497137	212.57	ug/l	80
43) Dibromomethane	5.047	174	221434	212.74	ug/l	92
44) 1,2-Dichloropropane	4.969	63	320971	220.56	ug/l	89
45) Trichloroethene	4.831	130	354736	227.88	ug/l	91
46) Benzene	4.437	78	1247707	219.71	ug/l	100
47) tert-Amyl methyl ether	4.496	73	400646	240.79	ug/l	83
49) Dibromochloromethane	6.092	129	295009	223.09	ug/l	98
50) 2-Chloroethylvinylether	5.294	63	139582	245.46	ug/l	88
51) cis-1,3-Dichloropropene	5.402	75	504255	246.28	ug/l	94
52) trans-1,3-Dichloropropene	5.717	75	408088	243.60	ug/l	97
53) 1,1,2-Trichloroethane	5.836	97	206313	204.20	ug/l	96
54) 1,2-Dibromoethane	6.171	107	207741	217.28	ug/l	91
55) 1,3-Dichloropropane	5.944	76	375095	212.44	ug/l	97
56) 4-Methyl-2-Pentanone	5.481	43	212154	236.14	ug/l	97
57) 2-Hexanone	5.974	43	140270	241.26	ug/l	90
58) Tetrachloroethene	5.954	164	348201	196.59	ug/l	98
60) Toluene	5.609	92	773071	196.59	ug/l	99
61) 1,1,1,2-Tetrachloroethane	6.496	133	283429	205.67	ug/l	97
62) Chlorobenzene	6.456	112	865384	204.56	ug/l	99
64) Bromoform	6.959	173	219690	237.53	ug/l	98
65) Ethylbenzene	6.515	106	364502	232.84	ug/l	91
66) 1,1,2,2-Tetrachloroethane	7.195	83	239810	218.15	ug/l	85
68) Styrene	6.831	104	807483	222.26	ug/l	96
69) m&p-Xylenes	6.584	106	991298	417.92	ug/l	95

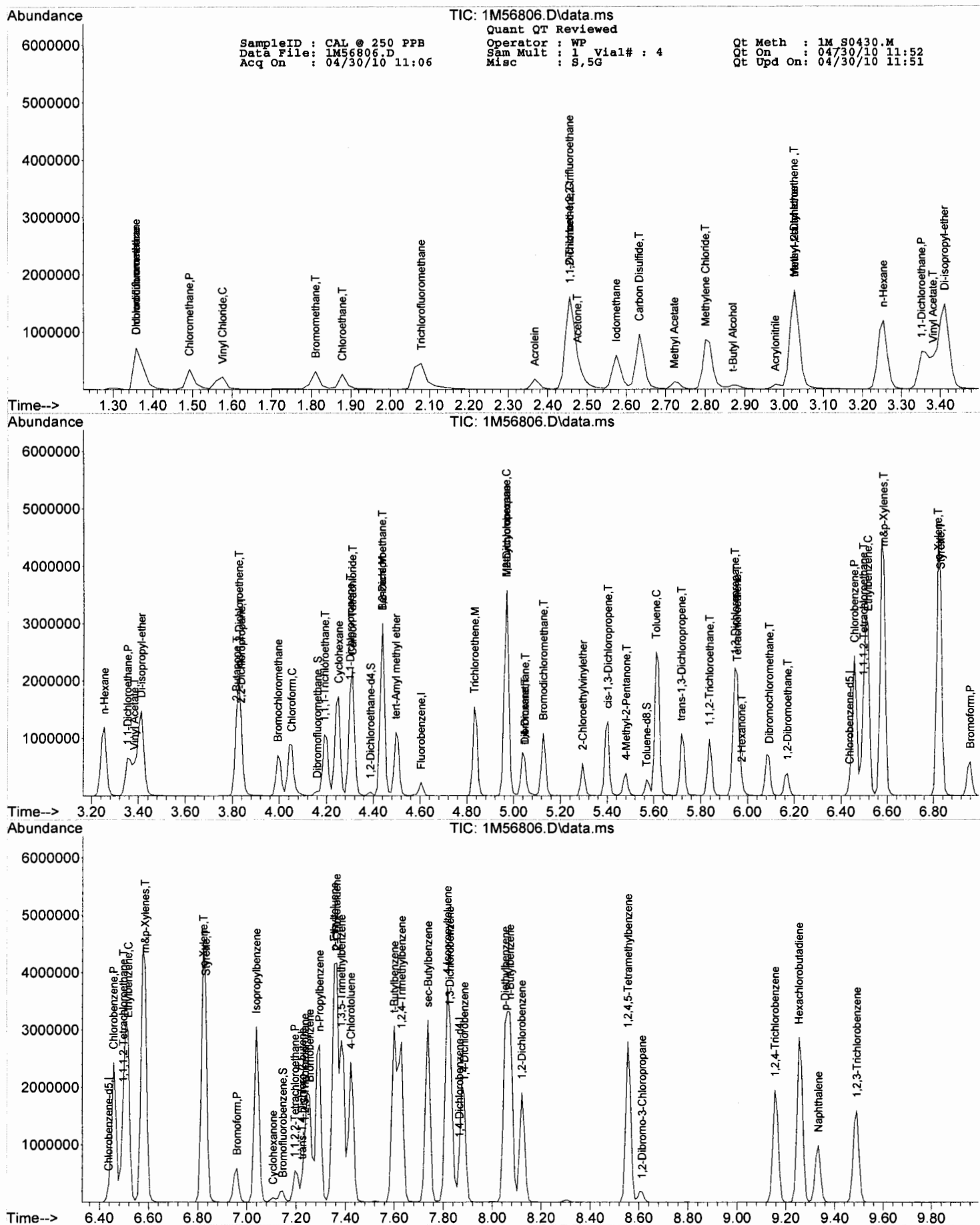
Quantitation Report (QT Reviewed)

SampleID : CAL @ 250 PPB Operator : WP Qt Meth : 1M_S0430.M
 Data File: 1M56806.D Sam Mult : 1 Vial# : 4 Qt On : 04/30/10 11:52
 Acq On : 04/30/10 11:06 Misc : S,5G Qt Upd On: 04/30/10 11:51

Data Path : G:\GcMsData\2010\GCMS_1\Data\04-30-10\
 Qt Path : G:\GcMsData\2010\GCMS_1\MethodQt\
 Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) o-Xylene	6.821	106	511667	231.85	ug/l	92
71) trans-1,4-Dichloro-2-b...	7.225	53	80997	239.06	ug/l	89
72) 1,3-Dichlorobenzene	7.826	146	665048	185.53	ug/l	96
73) 1,4-Dichlorobenzene	7.885	146	735454	215.75	ug/l	99
74) 1,2-Dichlorobenzene	8.121	146	647007	210.83	ug/l	98
75) Isopropylbenzene	7.038	105	1511254	238.17	ug/l	99
76) Cyclohexanone	7.107	55	27134	1223.58	ug/l	95
77) 1,2,3-Trichloropropane	7.235	75	301340	234.94	ug/l	92
78) 2-Chlorotoluene	7.363	91	815888	204.76	ug/l	97
79) p-Ethyltoluene	7.353	105	1555248	185.65	ug/l	94
80) 4-Chlorotoluene	7.422	91	825265	214.19	ug/l	99
81) n-Propylbenzene	7.294	91	1820539	219.79	ug/l	96
82) Bromobenzene	7.254	77	836612	228.46	ug/l	90
83) 1,3,5-Trimethylbenzene	7.382	105	1123309	235.51	ug/l	32
84) t-Butylbenzene	7.599	119	1244436	223.83	ug/l	97
85) 1,2,4-Trimethylbenzene	7.629	105	1272041	225.90	ug/l	98
86) sec-Butylbenzene	7.737	105	1694972	227.60	ug/l	98
87) 4-Isopropyltoluene	7.816	119	1275421	212.88	ug/l	97
88) n-Butylbenzene	8.072	91	1588924	219.34	ug/l	98
89) p-Diethylbenzene	8.052	119	848192	222.07	ug/l	100
90) 1,2,4,5-Tetramethylben...	8.555	119	1299618	239.82	ug/l	98
91) 1,2-Dibromo-3-Chloropr...	8.614	157	51161	251.93	ug/l	90
92) Hexachlorobutadiene	9.254	225	718675	212.23	ug/l	100
93) 1,2,4-Trichlorobenzene	9.156	180	635799	236.56	ug/l	95
94) 1,2,3-Trichlorobenzene	9.491	180	553340	223.76	ug/l	94
95) Naphthalene	9.333	128	696416	255.91	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed



SampleID : CAL @ 500 PPB
Data File: 1M56805.D
Acq On : 04/30/10 10:50

Operator : WP
Sam Mult : 1 Vial# : 3
Misc : S,5G

Qt Meth : 1M_S0430.M
Qt On : 04/30/10 11:52
Qt Upd On: 04/30/10 11:51

Data Path : G:\GcMsData\2010\GCMS_1\Data\04-30-10\
Qt Path : G:\GcMsData\2010\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.595	96	126239	30.00	ug/l	0.00
48) Chlorobenzene-d5	6.437	117	97023	30.00	ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.856	152	45774	30.00	ug/l	0.00
System Monitoring Compounds						
33) Dibromofluoromethane	4.151	111	30896	28.73	ug/l	0.00
Spiked Amount 30.000			Recovery =	95.77%		
35) 1,2-Dichloroethane-d4	4.388	102	6203	28.64	ug/l	0.00
Spiked Amount 30.000			Recovery =	95.47%		
59) Toluene-d8	5.570	100	87599	28.54	ug/l	0.00
Spiked Amount 30.000			Recovery =	95.13%		
67) Bromofluorobenzene	7.137	174	60879	43.22	ug/l	0.00
Spiked Amount 30.000			Recovery =	144.07%		
Target Compounds						
						Qvalue
5) Chlorodifluoromethane	1.360	51	1302226	491.20	ug/l	1
6) Dichlorodifluoromethane	1.360	85	899320	719.01	ug/l	96
7) Chloromethane	1.494	50	735223	553.46	ug/l	97
8) Bromomethane	1.812	94	361546	447.68	ug/l	98
9) Vinyl Chloride	1.561	62	614026	558.98	ug/l	98
10) Chloroethane	1.879	64	364901	441.58	ug/l	90
11) Trichlorofluoromethane	2.064	101	1104773	429.87	ug/l	99
12) 1,1,2-Trichloro-1,2,2-...	2.447	101	546153	413.60	ug/l	97
13) Methylene Chloride	2.802	84	686616	440.17	ug/l	91
14) Acrolein	2.368	56	308549	2729.55	ug/l	99
15) Acrylonitrile	2.979	53	140375	496.47	ug/l	96
16) Iodomethane	2.565	142	1200954	457.58	ug/l	74
17) Acetone	2.476	43	516525	2149.94	ug/l	100
18) Carbon Disulfide	2.634	76	2309550	459.12	ug/l	100
19) t-Butyl Alcohol	2.871	59	86505	2429.03	ug/l	89
20) n-Hexane	3.245	57	997909	451.56	ug/l	88
21) Di-isopropyl-ether	3.403	45	2404588	434.78	ug/l	87
22) 1,1-Dichloroethene	2.457	61	1278710	451.08	ug/l	97
23) Methyl Acetate	2.723	43	313156	418.09	ug/l	100
24) Methyl-t-butyl ether	3.018	73	895670	449.84	ug/l	82
25) 1,1-Dichloroethane	3.353	63	1382965	461.93	ug/l	98
26) trans-1,2-Dichloroethene	3.018	96	650724	445.68	ug/l	81
27) cis-1,2-Dichloroethene	3.816	61	1238904	456.39	ug/l	93
28) Bromochloromethane	3.994	49	659602	458.46	ug/l	82
29) 2,2-Dichloropropane	3.826	77	1048607	513.96	ug/l	93
30) 1,4-Dioxane	5.038	88	159582	24229.78	ug/l	81
31) 1,1-Dichloropropene	4.299	75	1004589	432.53	ug/l	99
32) Chloroform	4.043	83	1323097	470.15	ug/l	97
34) Cyclohexane	4.240	56	1368808	439.81	ug/l	90
36) 1,2-Dichloroethane	4.427	62	791216	401.67	ug/l	98
37) 2-Butanone	3.816	43	172827	399.29	ug/l	94
38) 1,1,1-Trichloroethane	4.191	97	1095876	476.25	ug/l	92
39) Carbon Tetrachloride	4.309	117	942028	437.63	ug/l	90
40) Vinyl Acetate	3.403	43	2101000m	456.05	ug/l	
41) Bromodichloromethane	5.117	83	1020904	472.36	ug/l	98
42) Methylcyclohexane	4.959	83	1031543	392.31	ug/l	81
43) Dibromomethane	5.038	174	498242	425.76	ug/l	92
44) 1,2-Dichloropropane	4.959	63	651896	398.42	ug/l	94
45) Trichloroethene	4.831	130	777195	444.07	ug/l	95
46) Benzene	4.437	78	2562226	401.30	ug/l	100
47) tert-Amyl methyl ether	4.496	73	878939	469.84	ug/l	82
49) Dibromochloromethane	6.082	129	652584	439.43	ug/l	99
50) 2-Chloroethylvinylether	5.294	63	322895	505.60	ug/l	93
51) cis-1,3-Dichloropropene	5.393	75	1134511	493.38	ug/l	95
52) trans-1,3-Dichloropropene	5.718	75	936528	497.78	ug/l	99
53) 1,1,2-Trichloroethane	5.836	97	429460	378.49	ug/l	96
54) 1,2-Dibromoethane	6.161	107	478243	445.41	ug/l	94
55) 1,3-Dichloropropane	5.935	76	774428	390.56	ug/l	98
56) 4-Methyl-2-Pentanone	5.472	43	477219	472.97	ug/l	99
57) 2-Hexanone	5.964	43	299378	458.51	ug/l	97
58) Tetrachloroethene	5.944	164	710384	357.14	ug/l	98
60) Toluene	5.609	92	1664337	376.86	ug/l	97
61) 1,1,1,2-Tetrachloroethane	6.496	133	592196	382.64	ug/l	100
62) Chlorobenzene	6.457	112	1841292	387.56	ug/l	98
64) Bromoform	6.949	173	498882	622.64	ug/l	95
65) Ethylbenzene	6.506	106	671808	495.38	ug/l	97
66) 1,1,2,2-Tetrachloroethane	7.196	83	519701	545.72	ug/l	86
68) Styrene	6.821	104	1550483	492.65	ug/l	89
69) m&p-Xylenes	6.575	106	1858212	904.31	ug/l	99

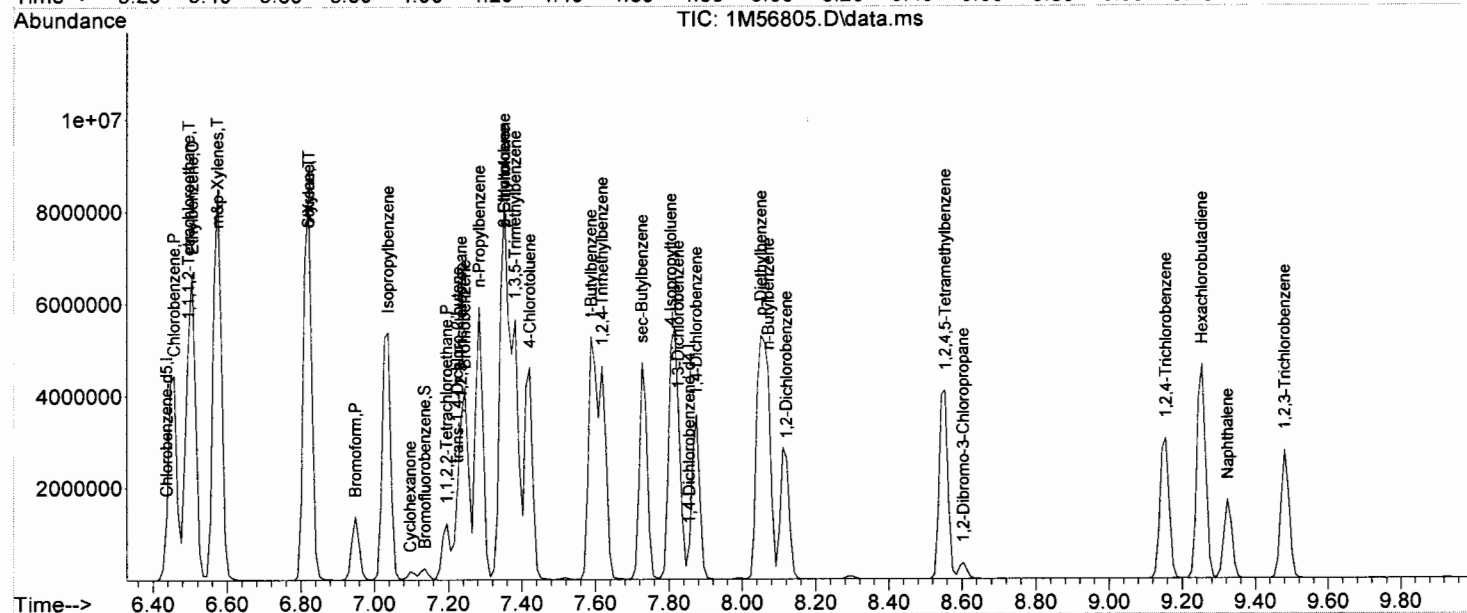
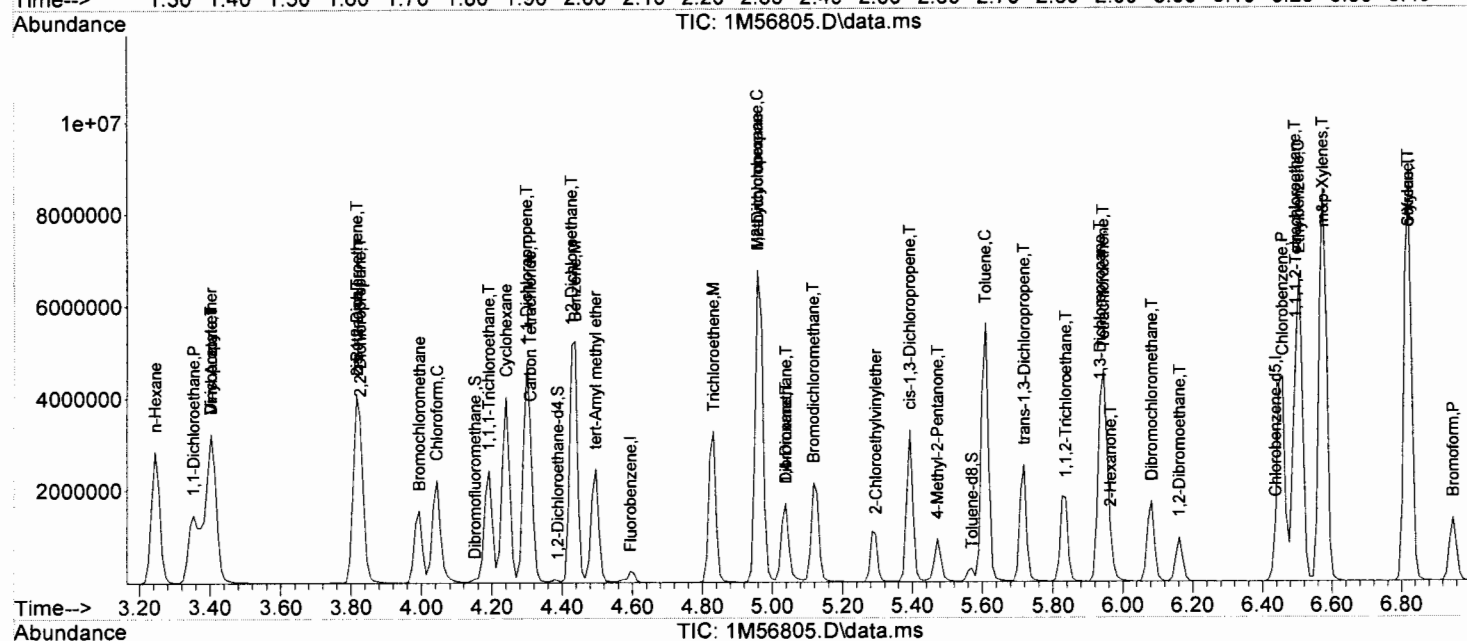
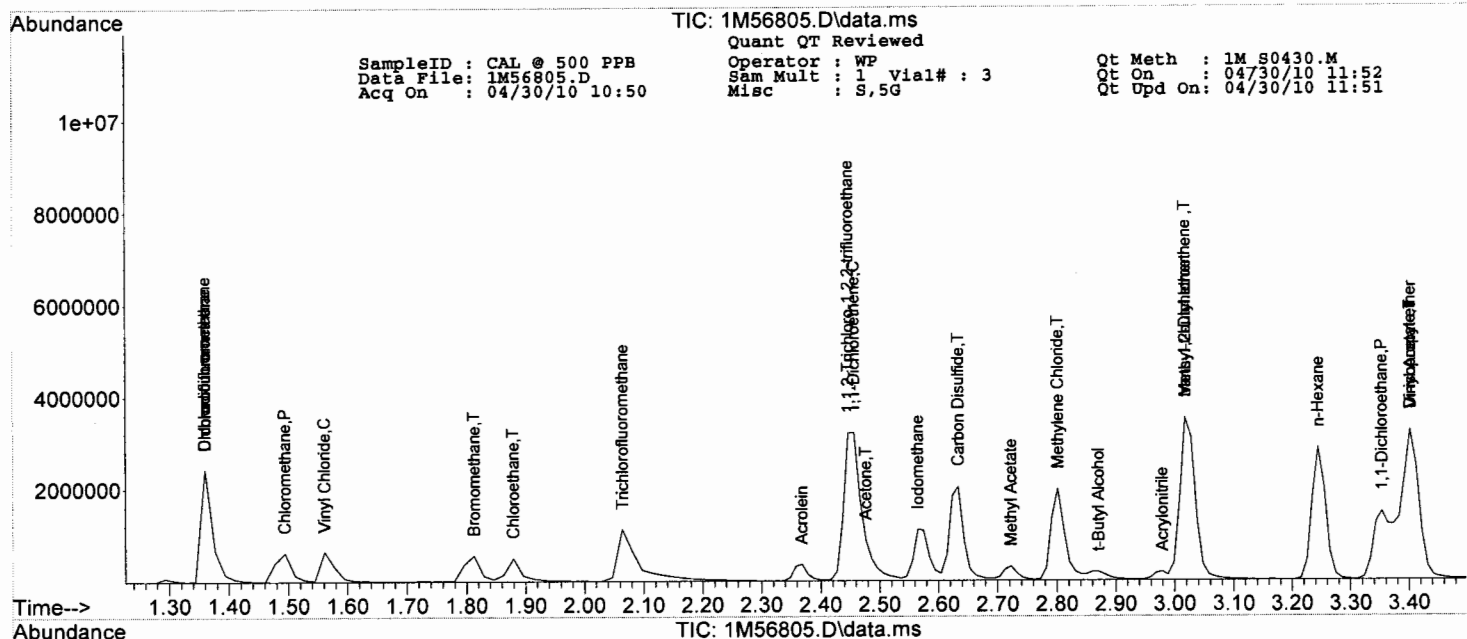
Quantitation Report (QT Reviewed)

SampleID : CAL @ 500 PPB Operator : WP Qt Meth : 1M_S0430.M
 Data File: 1M56805.D Sam Mult : 1 Vial# : 3 Qt On : 04/30/10 11:52
 Acq On : 04/30/10 10:50 Misc : S,5G Qt Upd On: 04/30/10 11:51

Data Path : G:\GcMsData\2010\GCMS_1\Data\04-30-10\
 Qt Path : G:\GcMsData\2010\GCMS_1\MethodQt\
 Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) o-Xylene	6.821	106	991212	518.47	ug/l	93
71) trans-1,4-Dichloro-2-b...	7.225	53	177367	604.29	ug/l	80
72) 1,3-Dichlorobenzene	7.826	146	1036480	333.79	ug/l	95
73) 1,4-Dichlorobenzene	7.875	146	1199495	406.20	ug/l	98
74) 1,2-Dichlorobenzene	8.122	146	1062392	399.62	ug/l	96
75) Isopropylbenzene	7.038	105	3014600	548.41	ug/l	98
76) Cyclohexanone	7.097	55	64045	3333.80	ug/l	99
77) 1,2,3-Trichloropropane	7.235	75	618160	556.33	ug/l	92
78) 2-Chlorotoluene	7.353	91	1325996	384.14	ug/l	94
79) p-Ethyltoluene	7.353	105	2602808	358.64	ug/l	96
80) 4-Chlorotoluene	7.422	91	1566079	469.19	ug/l	99
81) n-Propylbenzene	7.284	91	3650608	508.77	ug/l	97
82) Bromobenzene	7.245	77	1725478	543.91	ug/l	90
83) 1,3,5-Trimethylbenzene	7.383	105	2340491m	566.45	ug/l	
84) t-Butylbenzene	7.590	119	2236289	464.31	ug/l	96
85) 1,2,4-Trimethylbenzene	7.619	105	2026315	415.39	ug/l	96
86) sec-Butylbenzene	7.728	105	2703098	418.99	ug/l	98
87) 4-Isopropyltoluene	7.807	119	1979259	381.35	ug/l	96
88) n-Butylbenzene	8.073	91	2542622	405.16	ug/l	100
89) p-Diethylbenzene	8.053	119	1330271	402.03	ug/l	99
90) 1,2,4,5-Tetramethylben...	8.555	119	2126673	453.02	ug/l	99
91) 1,2-Dibromo-3-Chloropr...	8.605	157	93164	529.57	ug/l	93
92) Hexachlorobutadiene	9.255	225	1198635	408.60	ug/l	98
93) 1,2,4-Trichlorobenzene	9.156	180	1069477	459.33	ug/l	95
94) 1,2,3-Trichlorobenzene	9.481	180	915928	427.54	ug/l	95
95) Naphthalene	9.324	128	1184304	502.35	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed



SampleID : CAL @ 1 PPB Operator : WP Qt Meth : 1M_S0430.M
 Data File: 1M56813.D Sam Mult : 1 Vial# : 11 Qt On : 04/30/10 13:14
 Acq On : 04/30/10 13:00 Misc : S,5G Qt Upd On: 04/30/10 11:51

Data Path : G:\GcMsData\2010\GCMS_1\Data\04-30-10\
 Qt Path : G:\GcMsData\2010\GCMS_1\MethodQt\
 Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.604	96	101813	30.00	ug/l	0.00
48) Chlorobenzene-d5	6.446	117	78836	30.00	ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.865	152	54815	30.00	ug/l	0.00
System Monitoring Compounds						
33) Dibromofluoromethane	4.160	111	29019	33.46	ug/l	0.00
Spiked Amount 30.000			Recovery	=	111.53%	
35) 1,2-Dichloroethane-d4	4.387	102	5285	30.26	ug/l	0.00
Spiked Amount 30.000			Recovery	=	100.87%	
59) Toluene-d8	5.579	100	69923	28.04	ug/l	0.00
Spiked Amount 30.000			Recovery	=	93.47%	
67) Bromofluorobenzene	7.146	174	49459	29.32	ug/l	0.00
Spiked Amount 30.000			Recovery	=	97.73%	
Target Compounds						
						Qvalue
5) Chlorodifluoromethane	0.000		0	N.D.	d	
6) Dichlorodifluoromethane	0.000		0	N.D.	d	
7) Chloromethane	0.000		0	N.D.	d	
8) Bromomethane	0.000		0	N.D.	d	
9) Vinyl Chloride	0.000		0	N.D.	d	
10) Chloroethane	0.000		0	N.D.	d	
11) Trichlorofluoromethane	0.000		0	N.D.	d	
12) 1,1,2-Trichloro-1,2,2-...	0.000		0	N.D.	d	
13) Methylene Chloride	0.000		0	N.D.	d	
14) Acrolein	0.000		0	N.D.	d	
15) Acrylonitrile	0.000		0	N.D.	d	
16) Iodomethane	0.000		0	N.D.	d	
17) Acetone	0.000		0	N.D.	d	
18) Carbon Disulfide	0.000		0	N.D.	d	
19) t-Butyl Alcohol	0.000		0	N.D.	d	
20) n-Hexane	0.000		0	N.D.	d	
21) Di-isopropyl-ether	0.000		0	N.D.	d	
22) 1,1-Dichloroethene	0.000		0	N.D.	d	
23) Methyl Acetate	0.000		0	N.D.	d	
24) Methyl-t-butyl ether	3.037	73	1372	0.85	ug/l #	29
25) 1,1-Dichloroethane	0.000		0	N.D.	d	
26) trans-1,2-Dichloroethene	0.000		0	N.D.	d	
27) cis-1,2-Dichloroethene	0.000		0	N.D.	d	
28) Bromochloromethane	0.000		0	N.D.	d	
29) 2,2-Dichloropropane	0.000		0	N.D.	d	
30) 1,4-Dioxane	0.000		0	N.D.	d	
31) 1,1-Dichloropropene	0.000		0	N.D.	d	
32) Chloroform	0.000		0	N.D.	d	
34) Cyclohexane	0.000		0	N.D.	d	
36) 1,2-Dichloroethane	0.000		0	N.D.	d	
37) 2-Butanone	0.000		0	N.D.	d	
38) 1,1,1-Trichloroethane	0.000		0	N.D.	d	
39) Carbon Tetrachloride	0.000		0	N.D.	d	
40) Vinyl Acetate	0.000		0	N.D.	d	
41) Bromodichloromethane	0.000		0	N.D.	d	
42) Methylcyclohexane	0.000		0	N.D.	d	
43) Dibromomethane	0.000		0	N.D.	d	
44) 1,2-Dichloropropane	0.000		0	N.D.	d	
45) Trichloroethene	0.000		0	N.D.	d	
46) Benzene	4.446	78	5709	1.11	ug/l	100
47) tert-Amyl methyl ether	0.000		0	N.D.	d	
49) Dibromochloromethane	0.000		0	N.D.	d	
50) 2-Chloroethylvinylether	0.000		0	N.D.	d	
51) cis-1,3-Dichloropropene	0.000		0	N.D.	d	
52) trans-1,3-Dichloropropene	0.000		0	N.D.	d	
53) 1,1,2-Trichloroethane	0.000		0	N.D.	d	
54) 1,2-Dibromoethane	0.000		0	N.D.	d	
55) 1,3-Dichloropropane	0.000		0	N.D.	d	
56) 4-Methyl-2-Pentanone	0.000		0	N.D.	d	
57) 2-Hexanone	0.000		0	N.D.	d	
58) Tetrachloroethene	0.000		0	N.D.	d	
60) Toluene	5.619	92	4844	1.35	ug/l	78
61) 1,1,1,2-Tetrachloroethane	0.000		0	N.D.	d	
62) Chlorobenzene	0.000		0	N.D.	d	
64) Bromoform	0.000		0	N.D.	d	
65) Ethylbenzene	6.505	106	1083	0.67	ug/l	73
66) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.	d	
68) Styrene	0.000		0	N.D.	d	
69) m&p-Xylenes	6.584	106	3583	1.46	ug/l	86

Quantitation Report (QT Reviewed)

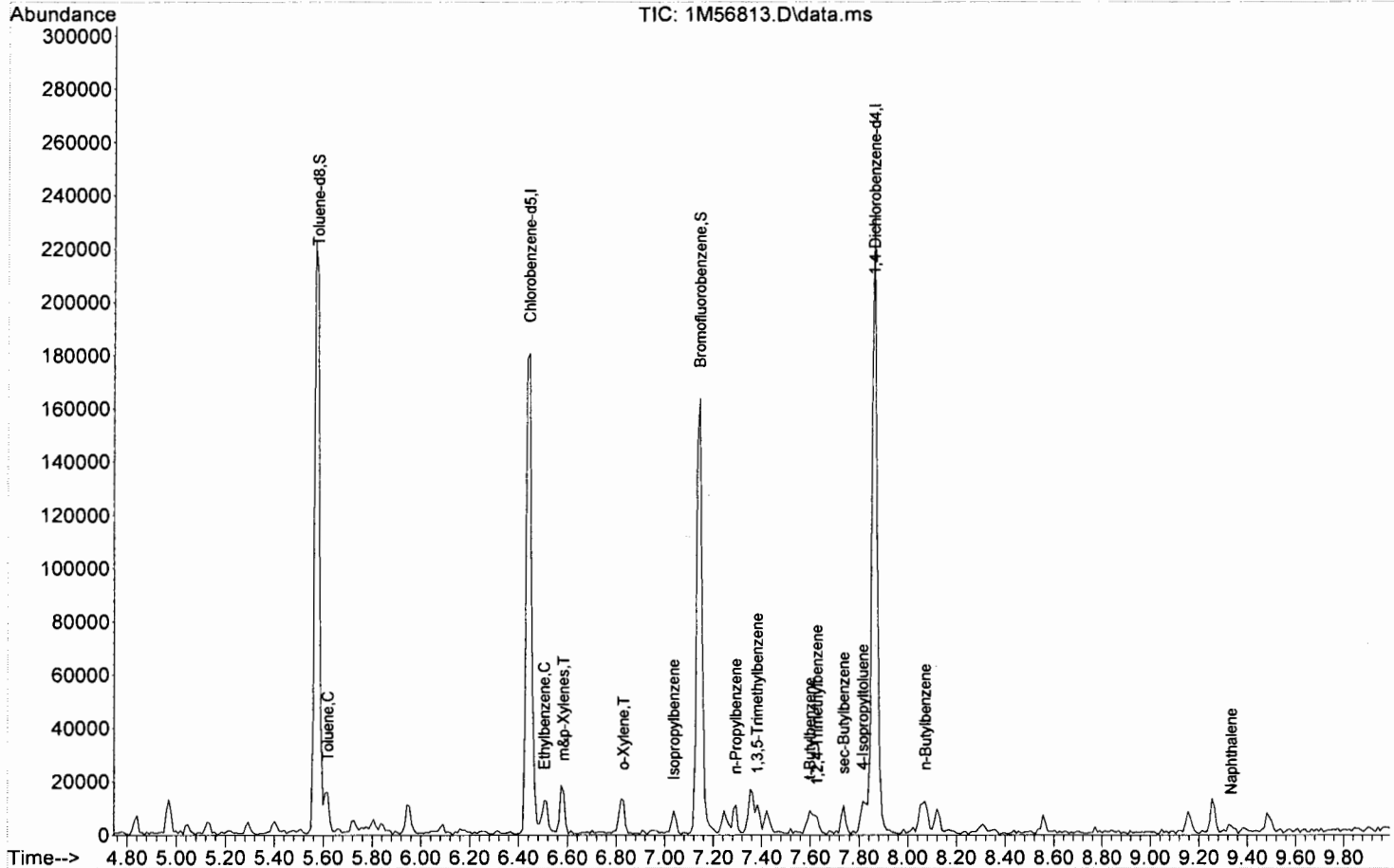
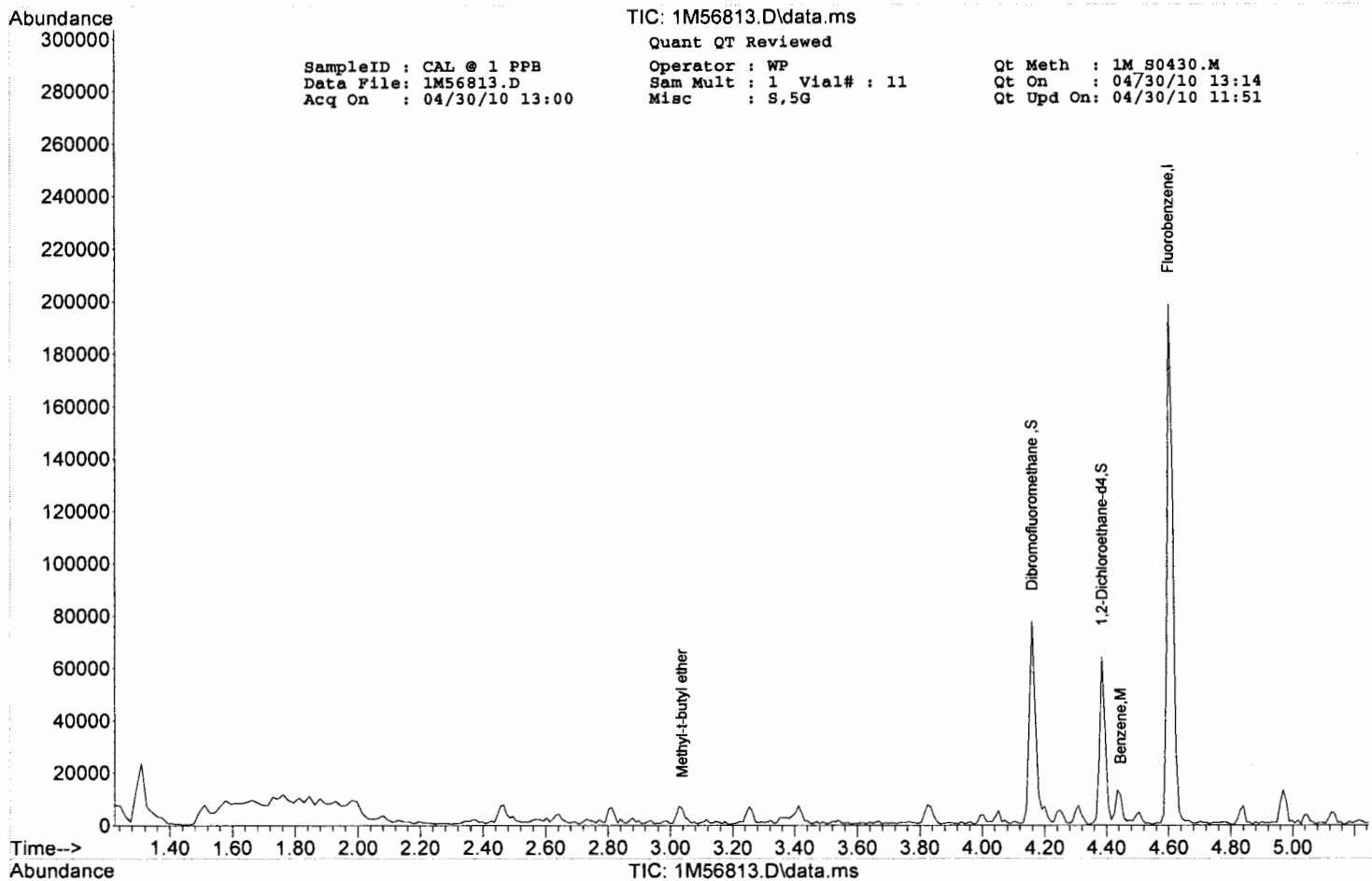
SampleID : CAL @ 1 PPB Operator : WP Qt Meth : 1M_S0430.M
 Data File: 1M56813.D Sam Mult : 1 Vial# : 11 Qt On : 04/30/10 13:14
 Acq On : 04/30/10 13:00 Misc : S,5G Qt Upd On: 04/30/10 11:51

Data Path : G:\GCMSData\2010\GCMS_1\Data\04-30-10\
 Qt Path : G:\GCMSData\2010\GCMS_1\MethodQt\
 Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

70) o-Xylene	6.830	106	1638	0.72	ug/l	73
71) trans-1,4-Dichloro-2-b...	0.000		0	N.D.		
72) 1,3-Dichlorobenzene	0.000		0	N.D.	d	
73) 1,4-Dichlorobenzene	0.000		0	N.D.	d	
74) 1,2-Dichlorobenzene	0.000		0	N.D.	d	
75) Isopropylbenzene	7.037	105	4282	0.65	ug/l #	79
76) Cyclohexanone	0.000		0	N.D.		
77) 1,2,3-Trichloropropane	0.000		0	N.D.	d	
78) 2-Chlorotoluene	0.000		0	N.D.	d	
79) p-Ethyltoluene	0.000		0	N.D.	d	
80) 4-Chlorotoluene	0.000		0	N.D.	d	
81) n-Propylbenzene	7.293	91	6663m	0.78	ug/l	
82) Bromobenzene	0.000		0	N.D.	d	
83) 1,3,5-Trimethylbenzene	7.382	105	3445m	0.70	ug/l	
84) t-Butylbenzene	7.599	119	4306	0.75	ug/l #	83
85) 1,2,4-Trimethylbenzene	7.628	105	3825	0.65	ug/l	87
86) sec-Butylbenzene	7.737	105	4651	0.60	ug/l #	54
87) 4-Isopropyltoluene	7.816	119	4039	0.65	ug/l	96
88) n-Butylbenzene	8.072	91	4961	0.66	ug/l	90
89) p-Diethylbenzene	0.000		0	N.D.	d	
90) 1,2,4,5-Tetramethylben...	0.000		0	N.D.	d	
91) 1,2-Dibromo-3-Chloropr...	0.000		0	N.D.		
92) Hexachlorobutadiene	0.000		0	N.D.	d	
93) 1,2,4-Trichlorobenzene	0.000		0	N.D.	d	
94) 1,2,3-Trichlorobenzene	0.000		0	N.D.	d	
95) Naphthalene	9.333	128	2299	0.81	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed



SampleID : CAL @ 0.5 PPB
 Data File: 1M56814.D
 Acq On : 04/30/10 13:16

Operator : WP
 Sam Mult : 1 Vial# : 12
 Misc : S,5G

Qt Meth : 1M_S0430.M
 Qt On : 04/30/10 13:29
 Qt Upd On: 04/30/10 11:51

Data Path : G:\GcMsData\2010\GCMS_1\Data\04-30-10\
 Qt Path : G:\GcMsData\2010\GCMS_1\MethodQt\
 Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.605	96	98117	30.00	ug/l	0.00
48) Chlorobenzene-d5	6.437	117	82280	30.00	ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.856	152	53234	30.00	ug/l	0.00
System Monitoring Compounds						
33) Dibromofluoromethane	4.161	111	26383	31.57	ug/l	0.00
Spiked Amount 30.000			Recovery =	105.23%		
35) 1,2-Dichloroethane-d4	4.388	102	5346	31.76	ug/l	0.00
Spiked Amount 30.000			Recovery =	105.87%		
59) Toluene-d8	5.570	100	68741	26.41	ug/l	0.00
Spiked Amount 30.000			Recovery =	88.03%		
67) Bromofluorobenzene	7.137	174	47756	29.15	ug/l	0.00
Spiked Amount 30.000			Recovery =	97.17%		
Target Compounds						
5) Chlorodifluoromethane	0.000		0	N.D.	d	Qvalue
6) Dichlorodifluoromethane	0.000		0	N.D.		
7) Chloromethane	0.000		0	N.D.	d	
8) Bromomethane	0.000		0	N.D.		
9) Vinyl Chloride	0.000		0	N.D.		
10) Chloroethane	0.000		0	N.D.	d	
11) Trichlorofluoromethane	0.000		0	N.D.		
12) 1,1,2-Trichloro-1,2,2-...	0.000		0	N.D.		
13) Methylene Chloride	0.000		0	N.D.	d	
14) Acrolein	0.000		0	N.D.		
15) Acrylonitrile	0.000		0	N.D.		
16) Iodomethane	0.000		0	N.D.	d	
17) Acetone	0.000		0	N.D.	d	
18) Carbon Disulfide	0.000		0	N.D.	d	
19) t-Butyl Alcohol	0.000		0	N.D.		
20) n-Hexane	0.000		0	N.D.	d	
21) Di-isopropyl-ether	0.000		0	N.D.	d	
22) 1,1-Dichloroethene	0.000		0	N.D.		
23) Methyl Acetate	0.000		0	N.D.		
24) Methyl-t-butyl ether	0.000		0	N.D.		
25) 1,1-Dichloroethane	0.000		0	N.D.	d	
26) trans-1,2-Dichloroethene	0.000		0	N.D.		
27) cis-1,2-Dichloroethene	0.000		0	N.D.	d	
28) Bromochloromethane	0.000		0	N.D.		
29) 2,2-Dichloropropane	0.000		0	N.D.		
30) 1,4-Dioxane	0.000		0	N.D.		
31) 1,1-Dichloropropene	0.000		0	N.D.		
32) Chloroform	0.000		0	N.D.	d	
34) Cyclohexane	0.000		0	N.D.		
36) 1,2-Dichloroethane	0.000		0	N.D.	d	
37) 2-Butanone	0.000		0	N.D.		
38) 1,1,1-Trichloroethane	0.000		0	N.D.		
39) Carbon Tetrachloride	0.000		0	N.D.		
40) Vinyl Acetate	0.000		0	N.D.	d	
41) Bromodichloromethane	0.000		0	N.D.	d	
42) Methylcyclohexane	0.000		0	N.D.	d	
43) Dibromomethane	0.000		0	N.D.		
44) 1,2-Dichloropropane	0.000		0	N.D.		
45) Trichloroethene	0.000		0	N.D.		
46) Benzene	0.000		0	N.D.	d	
47) tert-Amyl methyl ether	0.000		0	N.D.	d	
49) Dibromochloromethane	0.000		0	N.D.		
50) 2-Chloroethylvinylether	0.000		0	N.D.		
51) cis-1,3-Dichloropropene	0.000		0	N.D.	d	
52) trans-1,3-Dichloropropene	0.000		0	N.D.		
53) 1,1,2-Trichloroethane	0.000		0	N.D.	d	
54) 1,2-Dibromoethane	0.000		0	N.D.		
55) 1,3-Dichloropropane	0.000		0	N.D.		
56) 4-Methyl-2-Pentanone	0.000		0	N.D.	d	
57) 2-Hexanone	0.000		0	N.D.		
58) Tetrachloroethene	0.000		0	N.D.		
60) Toluene	0.000		0	N.D.	d	
61) 1,1,1,2-Tetrachloroethane	0.000		0	N.D.		
62) Chlorobenzene	0.000		0	N.D.	d	
64) Bromoform	0.000		0	N.D.		
65) Ethylbenzene	0.000		0	N.D.	d	
66) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.		
68) Styrene	0.000		0	N.D.		
69) m&p-Xylenes	6.575	106	2385	1.00	ug/l	61

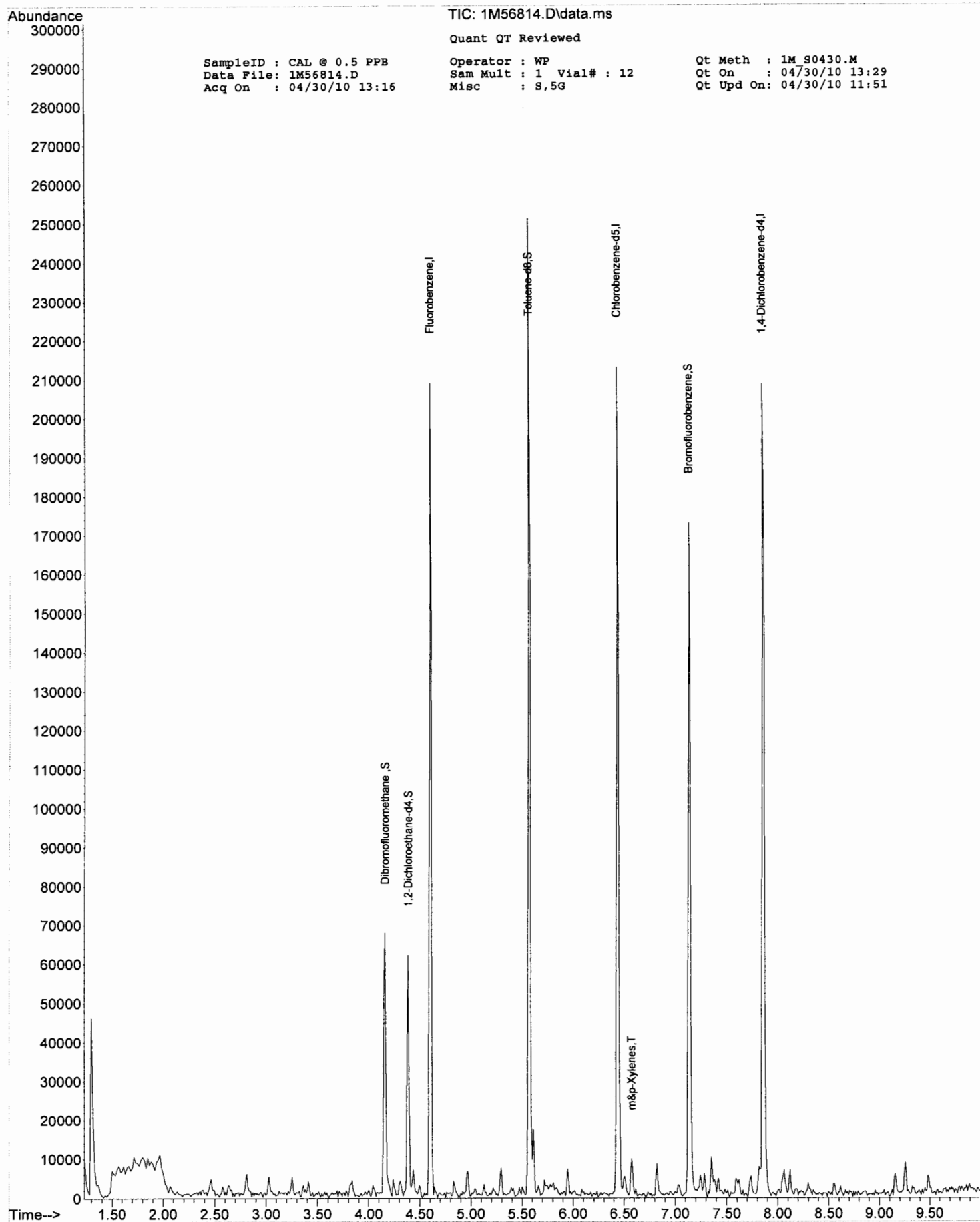
Quantitation Report (QT Reviewed)

SampleID : CAL @ 0.5 PPB Operator : WP Qt Meth : 1M_S0430.M
 Data File: 1M56814.D Sam Mult : 1 Vial# : 12 Qt On : 04/30/10 13:29
 Acq On : 04/30/10 13:16 Misc : S,5G Qt Upd On: 04/30/10 11:51

Data Path : G:\GCMSData\2010\GCMS_1\Data\04-30-10\
 Qt Path : G:\GCMSData\2010\GCMS_1\MethodQt\
 Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) o-Xylene	0.000		0	N.D.	d	
71) trans-1,4-Dichloro-2-b...	0.000		0	N.D.		
72) 1,3-Dichlorobenzene	0.000		0	N.D.	d	
73) 1,4-Dichlorobenzene	0.000		0	N.D.	d	
74) 1,2-Dichlorobenzene	0.000		0	N.D.	d	
75) Isopropylbenzene	0.000		0	N.D.	d	
76) Cyclohexanone	0.000		0	N.D.		
77) 1,2,3-Trichloropropane	0.000		0	N.D.	d	
78) 2-Chlorotoluene	0.000		0	N.D.	d	
79) p-Ethyltoluene	0.000		0	N.D.	d	
80) 4-Chlorotoluene	0.000		0	N.D.	d	
81) n-Propylbenzene	0.000		0	N.D.	d	
82) Bromobenzene	0.000		0	N.D.	d	
83) 1,3,5-Trimethylbenzene	0.000		0	N.D.	d	
84) t-Butylbenzene	0.000		0	N.D.	d	
85) 1,2,4-Trimethylbenzene	0.000		0	N.D.	d	
86) sec-Butylbenzene	0.000		0	N.D.	d	
87) 4-Isopropyltoluene	0.000		0	N.D.	d	
88) n-Butylbenzene	0.000		0	N.D.	d	
89) p-Diethylbenzene	0.000		0	N.D.	d	
90) 1,2,4,5-Tetramethylben...	0.000		0	N.D.	d	
91) 1,2-Dibromo-3-Chloropr...	0.000		0	N.D.		
92) Hexachlorobutadiene	0.000		0	N.D.	d	
93) 1,2,4-Trichlorobenzene	0.000		0	N.D.	d	
94) 1,2,3-Trichlorobenzene	0.000		0	N.D.	d	
95) Naphthalene	0.000		0	N.D.	d	

(#) = qualifier out of range (m) = manual integration (+) = signals summed



Form7

Continuing Calibration

Calibration Name: CAL @ 50 PPB

Data File: 1M57002.D

Instrument: GCMS 1

Cont Calibration Date/Time 5/6/2010 6:46:00 A

Method: EPA 8260B

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
Fluorobenzene	1	0	I	4.62	30.00	30				0.000	0.00	
Chlorodifluoromethane	1	0		1.40	61.09				0.606			
Dichlorodifluoromethane	1	0		1.40	29.53	50			0.407	0.240	40.94	
Chloromethane	1	0	CP	1.52	54.89	50	0.1		0.371	0.407	9.78	
Bromomethane	1	0		1.85	46.48	50			0.196	0.182	7.04	
Vinyl Chloride	1	0	CC	1.60	59.03	50	20		0.293	0.346	18.06	
Chloroethane	1	0		1.92	51.21	50			0.200	0.205	2.42	
Trichlorofluoromethane	1	0		2.10	64.09	50			0.567	0.727	28.18	
1,1,2-Trichloro-1,2,2-trifluoroethane	1	0		2.49	67.08	50			0.274	0.368	34.16	
Methylene Chloride	1	0		2.84	54.03	50			0.359	0.388	8.06	
Acrolein	1	0		2.41	187.53	250			0.026	0.020	24.99	
Acrylonitrile	1	0		3.02	55.80	50			0.065	0.075	11.60	
Iodomethane	1	0		2.60	50.85	50			0.624	0.634	1.70	
Acetone	1	0		2.52	267.32	250			0.059	0.053	6.93	
Carbon Disulfide	1	0		2.67	58.93	50			1.101	1.298	17.86	
t-Butyl Alcohol	1	0		2.91	257.14	250			0.008	0.008	2.86	
n-Hexane	1	0		3.28	68.84	50			0.465	0.640	37.68	
Di-isopropyl-ether	1	0		3.44	48.97	50			1.284	1.258	2.06	
1,1-Dichloroethene	1	0	CC	2.49	59.65	50	20		0.640	0.763	19.30	
Methyl Acetate	1	0		2.76	43.56	50			0.168	0.147	12.88	
Methyl-t-butyl ether	1	0		3.06	49.45	50			0.467	0.462	1.10	
1,1-Dichloroethane	1	0	CP	3.39	52.61	50	0.1		0.687	0.723	5.22	
trans-1,2-Dichloroethene	1	0		3.06	54.85	50			0.340	0.373	9.70	
cis-1,2-Dichloroethene	1	0		3.85	55.77	50			0.643	0.717	11.54	
Bromochloromethane	1	0		4.02	49.43	50			0.341	0.337	1.14	
2,2-Dichloropropane	1	0		3.86	59.21	50			0.485	0.575	18.42	
1,4-Dioxane	1	0		5.07	2769.49	2500			0.002	0.002	10.78	
1,1-Dichloropropene	1	0		4.33	60.80	50			0.534	0.650	21.60	
Chloroform	1	0	CC	4.07	50.33	50	20		0.688	0.692	0.66	
Dibromofluoromethane	1	0	S	4.18	30.66	75			0.262	0.268	2.20	
Cyclohexane	1	0		4.27	66.97	50			0.658	0.882	33.94	
1,2-Dichloroethane-d4	1	0	S	4.41	26.48	75			0.051	0.045	11.73	
1,2-Dichloroethane	1	0		4.46	62.88	50			0.490	0.488	25.76	
2-Butanone	1	0		3.86	58.03	50			0.106	0.099	16.06	
1,1,1-Trichloroethane	1	0		4.22	57.83	50			0.533	0.616	15.66	
Carbon Tetrachloride	1	0		4.34	61.40	50			0.492	0.604	22.80	
Vinyl Acetate	1	0		3.44	48.55	50			1.096	1.064	2.90	
Bromodichloromethane	1	0		5.15	49.17	50			0.528	0.519	1.66	
Methylcyclohexane	1	0		4.99	66.01	50			0.560	0.739	32.02	
Dibromomethane	1	0		5.07	50.32	50			0.272	0.274	0.64	
1,2-Dichloropropane	1	0	CC	4.99	49.09	50	20		0.396	0.389	1.82	
Trichloroethene	1	0		4.86	57.62	50			0.403	0.464	15.24	
Benzene	1	0		4.47	52.76	50			1.532	1.617	5.52	
tert-Amyl methyl ether	1	0		4.53	44.17	50			0.459	0.406	11.66	
Chlorobenzene-d5	1	0	I	6.46	30.00	30				0.000	0.00	
Dibromochloromethane	1	0		6.10	45.38	50			0.433	0.393	9.24	
2-Chloroethylvinylether	1	0		5.31	37.97	50			0.175	0.151	24.06	
cis-1,3-Dichloropropene	1	0		5.42	45.15	50			0.695	0.627	9.70	
trans-1,3-Dichloropropene	1	0		5.74	46.62	50			0.549	0.512	6.76	
1,1,2-Trichloroethane	1	0		5.86	42.65	50			0.302	0.258	14.70	
1,2-Dibromoethane	1	0		6.19	42.84	50			0.317	0.272	14.32	
1,3-Dichloropropane	1	0		5.96	44.37	50			0.586	0.520	11.26	
4-Methyl-2-Pentanone	1	0		5.50	38.58	50			0.302	0.233	22.84	
2-Hexanone	1	0		5.99	41.05	50			0.187	0.154	17.90	
Tetrachloroethene	1	0		5.97	51.40	50			0.551	0.566	2.80	
Toluene-d8	1	0	S	5.59	29.00	75			0.880	0.851	3.33	
Toluene	1	0	CC	5.63	52.56	50	20		1.349	1.161	5.12	
1,1,1,2-Tetrachloroethane	1	0		6.52	44.00	50			0.451	0.397	12.00	
Chlorobenzene	1	0	CP	6.48	46.89	50	0.3		1.356	1.271	6.22	
1,4-Dichlorobenzene-d4	1	0	I	7.89	30.00	30				0.000	0.00	
Bromoform	1	0	CP	6.98	43.51	50	0.1		0.519	0.451	12.98	
Ethylbenzene	1	0	CC	6.54	56.14	50	20		0.814	0.914	12.28	
1,1,2,2-Tetrachloroethane	1	0	CP	7.22	39.93	50	0.3		0.560	0.447	20.14	
Bromofluorobenzene	1	0	S	7.17	33.91	75			0.906	1.024	13.03	
Styrene	1	0		6.84	54.25	50			1.941	2.107	8.50	
m&p-Xylenes	1	0		6.59	113.35	100			1.249	1.416	13.35	
o-Xylene	1	0		6.84	55.81	50			1.209	1.350	11.62	
trans-1,4-Dichloro-2-butene	1	0		7.25	33.25	50			0.170	0.147	33.50	
1,3-Dichlorobenzene	1	0		7.85	45.56	50			1.779	1.621	8.88	
1,4-Dichlorobenzene	1	0		7.90	43.18	50			1.842	1.590	13.64	

CC - Continuing Calibration Check Compound
N/O or N/O - Not applicable for this runCP - System Performance Check Compound I - Internal Standard
* - Failed the C or P Criteria

** - No limit specified in method

Page 1 of 2

Note:

8260/8270 limits are compared against the %DIFF/R.F.
624 limits are compared against the concentration found.625 limits are compared against the %DIFF.
524.2 limits are compared against the %DIFF

Form7

Continuing Calibration

Calibration Name: CAL @ 50 PPB
Cont Calibration Date/Time 5/6/2010 6:46:00 AData File: 1M57002.D
Method: EPA 8260B

Instrument: GCMS 1

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
1,2-Dichlorobenzene	1	0		8.14	43.48	50			1.626	1.414	13.04	
Isopropylbenzene	1	0		7.06	56.09	50			3.384	3.796	12.18	
Cyclohexanone	1	0		7.13	210.38				0.010			
1,2,3-Trichloropropane	1	0		7.26	42.26	50			0.700	0.592	15.48	
2-Chlorotoluene	1	0		7.37	42.96	50			2.045	1.757	14.08	
p-Ethyltoluene	1	0		7.37	50.43				3.874			
4-Chlorotoluene	1	0		7.44	46.77	50			1.991	1.863	6.46	
n-Propylbenzene	1	0		7.30	47.74	50			4.304	4.109	4.52	
Bromobenzene	1	0		7.26	43.76	50			1.994	1.746	12.48	
1,3,5-Trimethylbenzene	1	0		7.40	38.74	50			2.856	2.213	22.52	
t-Butylbenzene	1	0		7.62	48.42	50			2.790	2.702	3.16	
1,2,4-Trimethylbenzene	1	0		7.64	49.61	50			2.857	2.835	0.78	
sec-Butylbenzene	1	0		7.76	49.30	50			3.640	3.589	1.40	
4-Isopropyltoluene	1	0		7.84	50.71	50			2.904	2.945	1.42	
n-Butylbenzene	1	0		8.09	48.33	50			3.586	3.466	3.34	
p-Diethylbenzene	1	0		8.07	48.30				1.954			
1,2,4,5-Tetramethylbenzene	1	0		8.58	46.65				2.833			
1,2-Dibromo-3-Chloropropane	1	0		8.63	43.04	50			0.117	0.101	13.92	
Hexachlorobutadiene	1	0		9.27	39.55	50			1.735	1.373	20.90	
1,2,4-Trichlorobenzene	1	0		9.18	42.99	50			1.502	1.291	14.02	
1,2,3-Trichlorobenzene	1	0		9.51	39.82	50			1.360	1.083	20.36	
Naphthalene	1	0		9.35	41.05	50			1.540	1.264	17.90	
Freon 113	1	100		0.00	0.00	50				0.000	100.00	
1,2-Dioxane	1	100		0.00	0.00	5000				0.000	100.00	

CC - Continuing Calibration Check Compound
N/O or N/O - Not applicable for this runCP - System Performance Check Compound I - Internal Standard
* - Failed the C or P Criteria

** - No limit specified in method

Page 2 of 2

Note:

8260/8270 limits are compared against the %DIFF/R.F.
624 limits are compared against the concentration found.625 limits are compared against the %DIFF.
524.2 limits are compared against the %DIFF

SampleID : CAL @ 50 PPB
 Data File: 1M57002.D
 Acq On : 05/ 6/10 06:46

Operator : WP
 Sam Mult : 1 Vial# : 2
 Misc : S,5G:.4

Qt Meth : 1M_S0430.M
 Qt On : 05/06/10 07:03
 Qt Upd On: 05/03/10 08:36

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-06-10\
 Qt Path : G:\GcMsData\2010\GCMS_1\MethodQt\
 Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.625	96	135382	30.00	ug/l	0.02
48) Chlorobenzene-d5	6.457	117	113486	30.00	ug/l	0.02
63) 1,4-Dichlorobenzene-d4	7.886	152	66484	30.00	ug/l	0.03
System Monitoring Compounds						
33) Dibromofluoromethane	4.181	111	36224	30.66	ug/l	0.02
Spiked Amount 30.000			Recovery	=	102.20%	
35) 1,2-Dichloroethane-d4	4.408	102	6122	26.48	ug/l	0.02
Spiked Amount 30.000			Recovery	=	88.27%	
59) Toluene-d8	5.590	100	96580	29.00	ug/l	0.02
Spiked Amount 30.000			Recovery	=	96.67%	
67) Bromofluorobenzene	7.166	174	68105	33.91	ug/l	0.03
Spiked Amount 30.000			Recovery	=	113.03%	
Target Compounds						
					Qvalue	
5) Chlorodifluoromethane	1.399	51	167046	61.09	ug/l	1
6) Dichlorodifluoromethane	1.399	85	54181	29.53	ug/l	98
7) Chloromethane	1.517	50	91778	54.89	ug/l	100
8) Bromomethane	1.852	94	41031	46.48	ug/l	96
9) Vinyl Chloride	1.600	62	78087	59.03	ug/l	93
10) Chloroethane	1.919	64	46249	51.21	ug/l	96
11) Trichlorofluoromethane	2.103	101	163955	64.09	ug/l	98
12) 1,1,2-Trichloro-1,2,2-...	2.487	101	82973	67.08	ug/l	96
13) Methylene Chloride	2.841	84	87650	54.03	ug/l	96
14) Acrolein	2.408	56	22157	187.53	ug/l	91
15) Acrylonitrile	3.019	53	16930	55.80	ug/l	80
16) Iodomethane	2.605	142	143080	50.85	ug/l	67
17) Acetone	2.516	43	59485	267.32	ug/l	97
18) Carbon Disulfide	2.674	76	292816	58.93	ug/l	100
19) t-Butyl Alcohol	2.910	59	9586	257.14	ug/l	80
20) n-Hexane	3.285	57	144411	68.84	ug/l	82
21) Di-isopropyl-ether	3.442	45	283791	48.97	ug/l	87
22) 1,1-Dichloroethane	2.487	61	172169	59.65	ug/l	91
23) Methyl Acetate	2.762	43	33121	43.56	ug/l	100
24) Methyl-t-butyl ether	3.058	73	104290	49.45	ug/l	85
25) 1,1-Dichloroethane	3.393	63	163171	52.61	ug/l	93
26) trans-1,2-Dichloroethene	3.058	96	84136	54.85	ug/l	81
27) cis-1,2-Dichloroethene	3.846	61	161845	55.77	ug/l	86
28) Bromochloromethane	4.024	49	76032	49.43	ug/l	77
29) 2,2-Dichloropropane	3.856	77	129703	59.21	ug/l	93
30) 1,4-Dioxane	5.068	88	19157	2769.49	ug/l	76
31) 1,1-Dichloropropene	4.329	75	146591	60.80	ug/l	96
32) Chloroform	4.073	83	156235	50.33	ug/l	97
34) Cyclohexane	4.270	56	198904	66.97	ug/l	88
36) 1,2-Dichloroethane	4.457	62	110013	62.88	ug/l	97
37) 2-Butanone	3.856	43	22437	58.03	ug/l	96
38) 1,1,1-Trichloroethane	4.221	97	139020	57.83	ug/l	97
39) Carbon Tetrachloride	4.339	117	136230	61.40	ug/l	91
40) Vinyl Acetate	3.442	43	240100	48.55	ug/l	100
41) Bromodichloromethane	5.147	83	117110	49.17	ug/l	96
42) Methylcyclohexane	4.989	83	166792	66.01	ug/l	80
43) Dibromomethane	5.068	174	61862	50.32	ug/l	97
44) 1,2-Dichloropropane	4.989	63	87668	49.09	ug/l	89
45) Trichloroethene	4.861	130	104780	57.62	ug/l	90
46) Benzene	4.467	78	364770	52.76	ug/l	100
47) tert-Amyl methyl ether	4.526	73	91572	44.17	ug/l	95
49) Dibromochloromethane	6.102	129	74333	45.38	ug/l	97
50) 2-Chloroethylvinylether	5.314	63	28494	37.97	ug/l	90
51) cis-1,3-Dichloropropene	5.423	75	118664	45.15	ug/l	97
52) trans-1,3-Dichloropropene	5.738	75	96895	46.62	ug/l	94
53) 1,1,2-Trichloroethane	5.856	97	48784	42.65	ug/l	90
54) 1,2-Dibromoethane	6.191	107	51382	42.84	ug/l	93
55) 1,3-Dichloropropane	5.964	76	98317	44.37	ug/l	97
56) 4-Methyl-2-Pentanone	5.501	43	44130	38.58	ug/l	99
57) 2-Hexanone	5.994	43	29068	41.05	ug/l	91
58) Tetrachloroethene	5.974	164	107080	51.40	ug/l	91
60) Toluene	5.629	92	219543	52.56	ug/l	94
61) 1,1,1,2-Tetrachloroethane	6.516	133	75083	44.00	ug/l	94
62) Chlorobenzene	6.477	112	240469	46.89	ug/l	96
64) Bromoform	6.979	173	50024	43.51	ug/l	94
65) Ethylbenzene	6.536	106	101312	56.14	ug/l	84
66) 1,1,2,2-Tetrachloroethane	7.216	83	49527	39.93	ug/l	88
68) Styrene	6.841	104	233429	54.25	ug/l	90
69) m&p-Xylenes	6.595	106	313843	113.35	ug/l	95

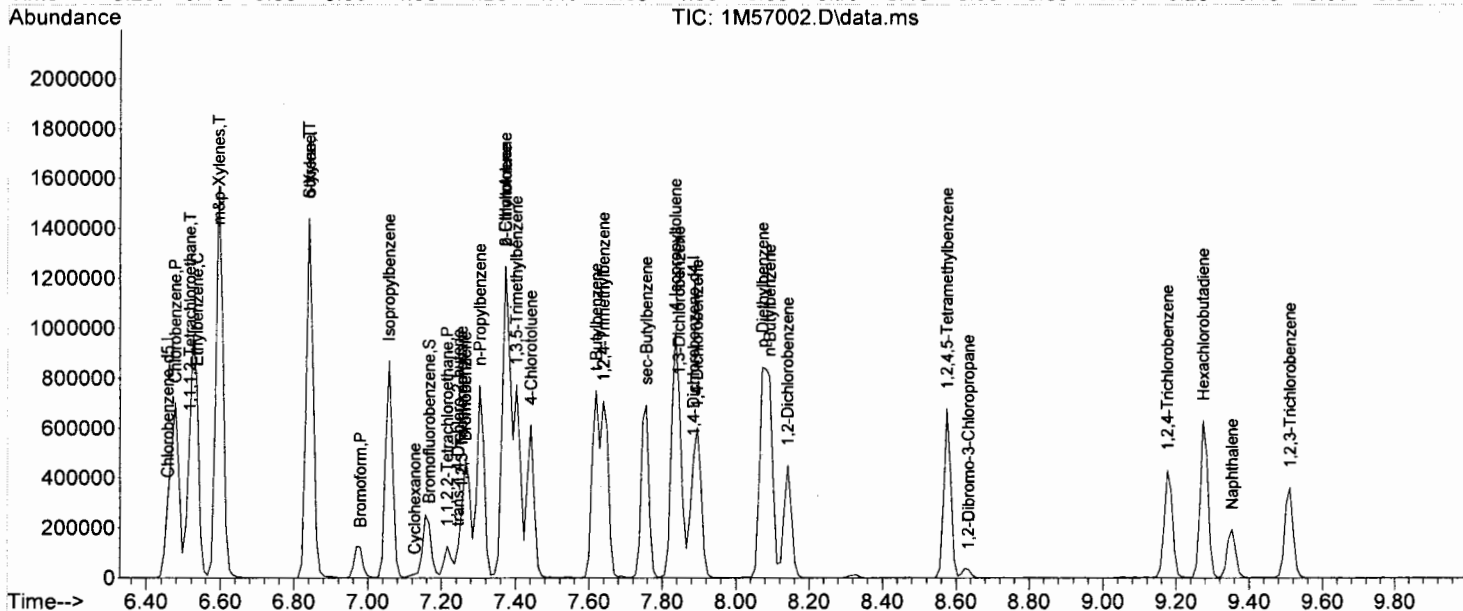
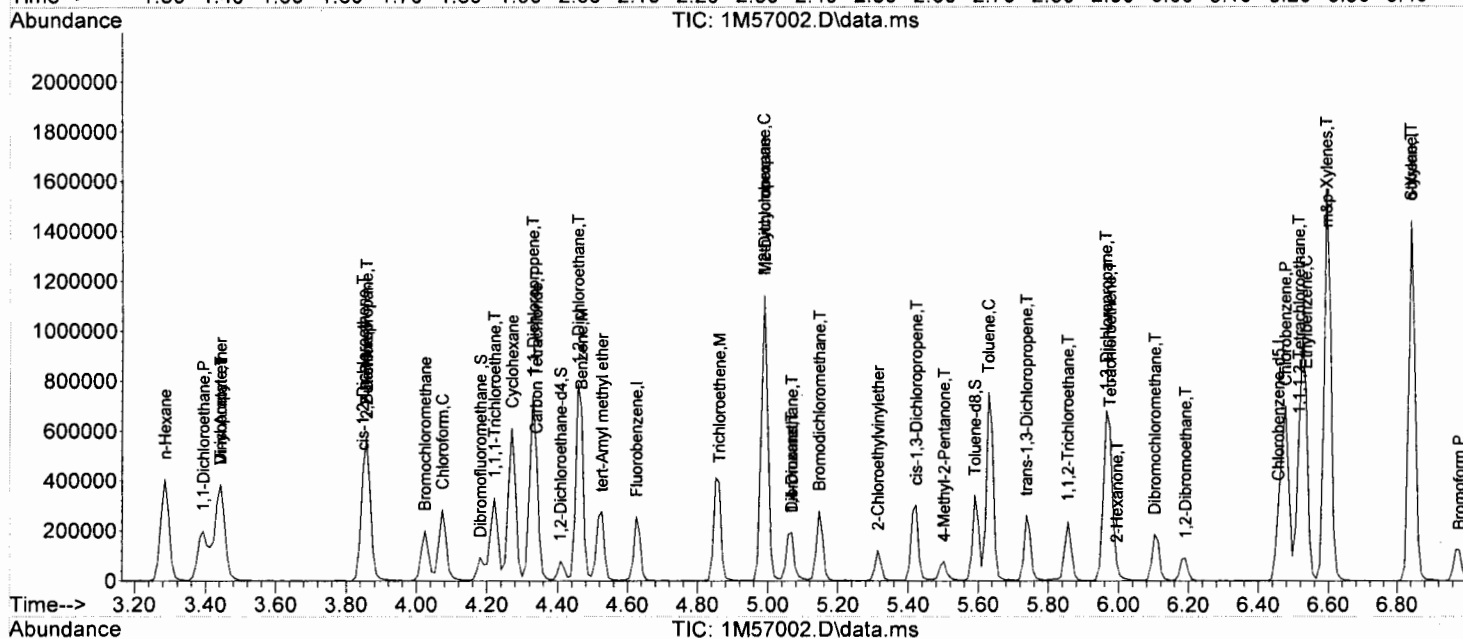
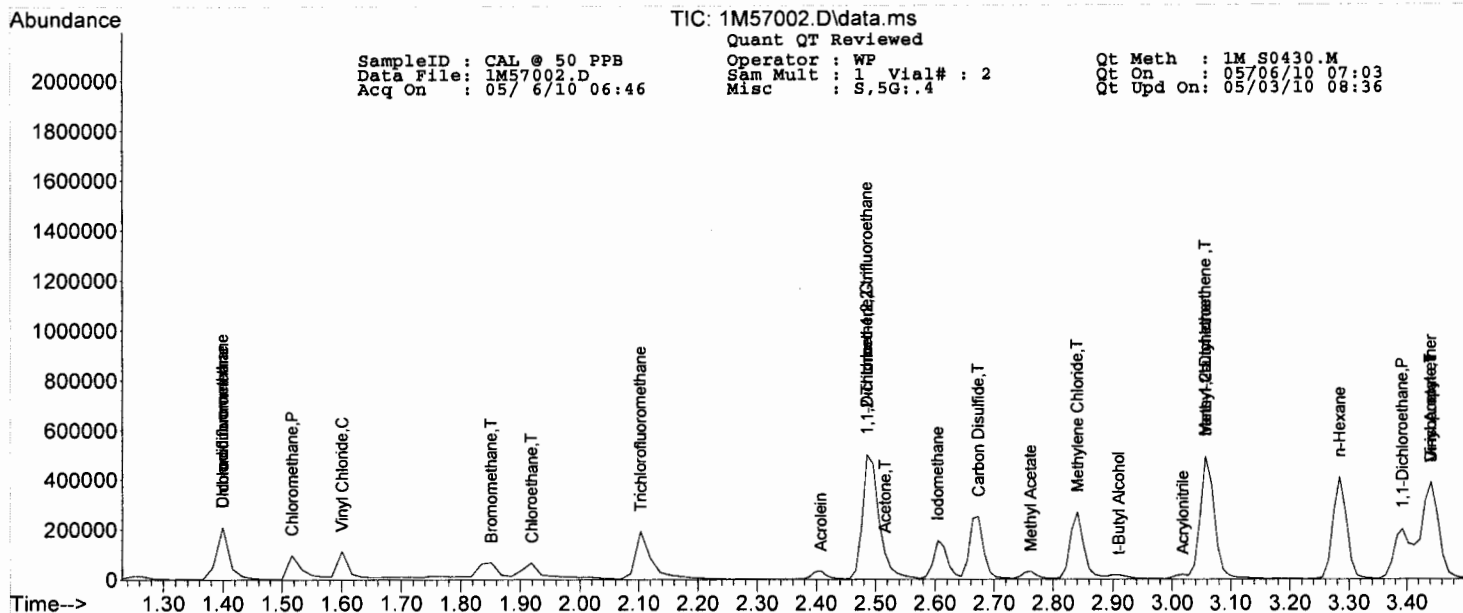
Quantitation Report (QT Reviewed)

SampleID : CAL @ 50 PPB Operator : WP Qt Meth : 1M_S0430.M
 Data File: 1M57002.D Sam Mult : 1 Vial# : 2 Qt On : 05/06/10 07:03
 Acq On : 05/ 6/10 06:46 Misc : S,5G:.4 Qt Upd On: 05/03/10 08:36

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-06-10\
 Qt Path : G:\GcMsData\2010\GCMS_1\MethodQt\
 Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) o-Xylene	6.841	106	149538	55.81	ug/l	85
71) trans-1,4-Dichloro-2-b...	7.245	53	16283	33.25	ug/l	97
72) 1,3-Dichlorobenzene	7.846	146	179650	45.56	ug/l	98
73) 1,4-Dichlorobenzene	7.895	146	176236	43.18	ug/l	98
74) 1,2-Dichlorobenzene	8.142	146	156664	43.48	ug/l	99
75) Isopropylbenzene	7.058	105	420675	56.09	ug/l	99
76) Cyclohexanone	7.127	55	5396	210.38	ug/l	88
77) 1,2,3-Trichloropropane	7.255	75	65559	42.26	ug/l	92
78) 2-Chlorotoluene	7.373	91	194688	42.96	ug/l	96
79) p-Ethyltoluene	7.373	105	433018	50.43	ug/l	97
80) 4-Chlorotoluene	7.442	91	206400	46.77	ug/l	97
81) n-Propylbenzene	7.304	91	455303	47.74	ug/l	96
82) Bromobenzene	7.265	77	193441	43.76	ug/l	93
83) 1,3,5-Trimethylbenzene	7.403	105	245210m	38.74	ug/l	
84) t-Butylbenzene	7.620	119	299439	48.42	ug/l	95
85) 1,2,4-Trimethylbenzene	7.639	105	314086	49.61	ug/l	97
86) sec-Butylbenzene	7.758	105	397642	49.30	ug/l	99
87) 4-Isopropyltoluene	7.836	119	326293	50.71	ug/l	98
88) n-Butylbenzene	8.093	91	384038	48.33	ug/l	97
89) p-Diethylbenzene	8.073	119	209202	48.30	ug/l	97
90) 1,2,4,5-Tetramethylben...	8.575	119	292894	46.65	ug/l	96
91) 1,2-Dibromo-3-Chloropr...	8.634	157	11150	43.04	ug/l	92
92) Hexachlorobutadiene	9.275	225	152091	39.55	ug/l	98
93) 1,2,4-Trichlorobenzene	9.176	180	143106	42.99	ug/l	97
94) 1,2,3-Trichlorobenzene	9.511	180	120052	39.82	ug/l	94
95) Naphthalene	9.354	128	140090	41.05	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed



Form7

Continuing Calibration

Calibration Name: CAL @ 50 PPB
Cont Calibration Date/Time 5/7/2010 6:10:00 AData File: 1M57041.D
Method: EPA 8260B

Instrument: GCMS 1

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
Fluorobenzene	1	0	I	4.61	30.00	30				0.000	0.00	
Chlorodifluoromethane	1	0		1.41	52.25				0.606			
Dichlorodifluoromethane	1	0		1.39	63.44	50			0.407	0.516	26.88	
Chloromethane	1	0	CP	1.53	58.70	50	0.1		0.371	0.435	17.40	
Bromomethane	1	0		1.84	54.69	50			0.196	0.214	9.38	
Vinyl Chloride	1	0	CC	1.61	52.46	50	20		0.293	0.308	4.92	
Chloroethane	1	0		1.91	55.69	50			0.200	0.223	11.38	
Trichlorofluoromethane	1	0		2.11	60.51	50			0.567	0.686	21.02	
1,1,2-Trichloro-1,2,2-trifluoroethane	1	0		2.49	68.14	50			0.274	0.374	36.28	
Methylene Chloride	1	0		2.83	49.58	50			0.359	0.356	0.84	
Acrolein	1	0		2.40	201.49	250			0.026	0.021	19.40	
Acrylonitrile	1	0		3.01	48.11	50			0.065	0.065	3.78	
Iodomethane	1	0		2.60	50.16	50			0.624	0.626	0.32	
Acetone	1	0		2.52	258.85	250			0.059	0.051	3.54	
Carbon Disulfide	1	0		2.66	57.52	50			1.101	1.267	15.04	
t-Butyl Alcohol	1	0		2.91	208.89	250			0.008	0.007	16.44	
n-Hexane	1	0		3.27	65.25	50			0.465	0.607	30.50	
Di-isopropyl-ether	1	0		3.43	45.58	50			1.284	1.171	8.84	
1,1-Dichloroethene	1	0	CC	2.49	56.60	50	20		0.640	0.724	13.20	
Methyl Acetate	1	0		2.75	44.63	50			0.168	0.150	10.74	
Methyl-t-butyl ether	1	0		3.06	45.49	50			0.467	0.425	9.02	
1,1-Dichloroethane	1	0	CP	3.38	51.05	50	0.1		0.687	0.702	2.10	
trans-1,2-Dichloroethene	1	0		3.06	52.28	50			0.340	0.355	4.56	
cis-1,2-Dichloroethene	1	0		3.84	51.89	50			0.643	0.667	3.78	
Bromochloromethane	1	0		4.01	48.33	50			0.341	0.329	3.34	
2,2-Dichloropropane	1	0		3.85	56.95	50			0.485	0.553	13.90	
1,4-Dioxane	1	0		5.05	2514.40	2500			0.002	0.002	0.58	
1,1-Dichloropropene	1	0		4.32	56.63	50			0.534	0.605	13.26	
Chloroform	1	0	CC	4.06	49.01	50	20		0.688	0.674	1.98	
Dibromofluoromethane	1	0	S	4.17	31.41	75			0.262	0.274	4.70	
Cyclohexane	1	0		4.26	62.22	50			0.658	0.819	24.44	
1,2-Dichloroethane-d4	1	0	S	4.40	30.35	75			0.051	0.052	1.17	
1,2-Dichloroethane	1	0		4.45	61.73	50			0.490	0.479	23.46	
2-Butanone	1	0		3.84	58.03	50			0.106	0.099	16.06	
1,1,1-Trichloroethane	1	0		4.21	55.79	50			0.533	0.594	11.58	
Carbon Tetrachloride	1	0		4.33	58.34	50			0.492	0.574	16.68	
Vinyl Acetate	1	0		3.43	47.34	50			1.096	1.038	5.32	
Bromodichloromethane	1	0		5.14	47.92	50			0.528	0.506	4.16	
Methylcyclohexane	1	0		4.98	65.19	50			0.560	0.730	30.38	
Dibromomethane	1	0		5.05	49.76	50			0.272	0.271	0.48	
1,2-Dichloropropane	1	0	CC	4.98	48.30	50	20		0.396	0.382	3.40	
Trichloroethene	1	0		4.84	55.11	50			0.403	0.444	10.22	
Benzene	1	0		4.45	50.42	50			1.532	1.545	0.84	
tert-Butyl methyl ether	1	0		4.52	41.74	50			0.459	0.384	16.52	
Chlorobenzene-d5	1	0	I	6.45	30.00	30				0.000	0.00	
Dibromochloromethane	1	0		6.09	43.97	50			0.433	0.381	12.06	
2-Chloroethylvinylether	1	0		5.30	39.79	50			0.175	0.158	20.42	
cis-1,3-Dichloropropene	1	0		5.40	46.51	50			0.695	0.646	6.98	
trans-1,3-Dichloropropene	1	0		5.73	44.49	50			0.549	0.489	11.02	
1,1,2-Trichloroethane	1	0		5.85	43.36	50			0.302	0.262	13.28	
1,2-Dibromoethane	1	0		6.17	42.72	50			0.317	0.271	14.56	
1,3-Dichloropropane	1	0		5.94	44.82	50			0.586	0.525	10.36	
4-Methyl-2-Pentanone	1	0		5.48	38.08	50			0.302	0.230	23.84	
2-Hexanone	1	0		5.97	38.31	50			0.187	0.143	23.38	
Tetrachloroethene	1	0		5.95	55.55	50			0.551	0.612	11.10	
Toluene-d8	1	0	S	5.58	32.12	75			0.880	0.943	7.07	
Toluene	1	0	CC	5.62	54.01	50	20		1.349	1.193	8.02	
1,1,1,2-Tetrachloroethane	1	0		6.51	46.15	50			0.451	0.416	7.70	
Chlorobenzene	1	0	CP	6.47	46.54	50	0.3		1.356	1.262	6.92	
1,4-Dichlorobenzene-d4	1	0	I	7.87	30.00	30				0.000	0.00	
Bromoform	1	0	CP	6.96	41.97	50	0.1		0.519	0.436	16.06	
Ethylbenzene	1	0	CC	6.52	58.14	50	20		0.814	0.947	16.28	
1,1,2,2-Tetrachloroethane	1	0	CP	7.21	37.32	50	0.3		0.560	0.418	25.36	
Bromofluorobenzene	1	0	S	7.15	31.10	75			0.906	0.939	3.67	
Styrene	1	0		6.83	44.21	50			1.941	1.717	11.58	
m&p-Xylenes	1	0		6.58	109.41	100			1.249	1.367	9.41	
o-Xylene	1	0		6.82	44.63	50			1.209	1.079	10.74	
trans-1,4-Dichloro-2-butene	1	0		7.24	32.23	50			0.170	0.142	35.54	
1,3-Dichlorobenzene	1	0		7.83	44.38	50			1.779	1.579	11.24	
1,4-Dichlorobenzene	1	0		7.89	42.79	50			1.842	1.576	14.42	

CC - Continuing Calibration Check Compound
N/O or N/O - Not applicable for this runCP - System Performance Check Compound I - Internal Standard
* - Failed the C or P Criteria

** - No limit specified in method

Page 1 of 2

Note:

8260/8270 limits are compared against the %DIFF/R.F.
624 limits are compared against the concentration found.625 limits are compared against the %DIFF.
524.2 limits are compared against the %DIFF

Form7

Continuing Calibration

Calibration Name: CAL @ 50 PPB
Cont Calibration Date/Time 5/7/2010 6:10:00 AData File: 1M57041.D
Method: EPA 8260B

Instrument: GCMS 1

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
1,2-Dichlorobenzene	1	0		8.12	41.47	50			1.626	1.348	17.06	
Isopropylbenzene	1	0		7.04	47.13	50			3.384	3.190	5.74	
Cyclohexanone	1	0		7.11	171.74				0.010			
1,2,3-Trichloropropane	1	0		7.24	38.99	50			0.700	0.546	22.02	
2-Chlorotoluene	1	0		7.36	43.55	50			2.045	1.781	12.90	
p-Ethyltoluene	1	0		7.35	42.25				3.874			
4-Chlorotoluene	1	0		7.42	46.49	50			1.991	1.852	7.02	
n-Propylbenzene	1	0		7.29	45.29	50			4.304	3.898	9.42	
Bromobenzene	1	0		7.25	40.36	50			1.994	1.610	19.28	
1,3,5-Trimethylbenzene	1	0		7.38	43.13	50			2.856	2.464	13.74	
t-Butylbenzene	1	0		7.60	47.25	50			2.790	2.637	5.50	
1,2,4-Trimethylbenzene	1	0		7.63	46.97	50			2.857	2.684	6.06	
sec-Butylbenzene	1	0		7.74	48.55	50			3.640	3.535	2.90	
4-Isopropyltoluene	1	0		7.82	49.68	50			2.904	2.885	0.64	
n-Butylbenzene	1	0		8.07	47.81	50			3.586	3.429	4.38	
p-Diethylbenzene	1	0		8.05	43.81				1.954			
1,2,4,5-Tetramethylbenzene	1	0		8.56	41.04				2.833			
1,2-Dibromo-3-Chloropropane	1	0		8.61	37.21	50			0.117	0.087	25.58	
Hexachlorobutadiene	1	0		9.26	41.95	50			1.735	1.456	16.10	
1,2,4-Trichlorobenzene	1	0		9.17	41.22	50			1.502	1.238	17.56	
1,2,3-Trichlorobenzene	1	0		9.49	41.72	50			1.360	1.135	16.56	
Naphthalene	1	0		9.33	40.75	50			1.540	1.255	18.50	
1,2-Dioxane	1	100		0.00	0.00	5000				0.000	100.00	
Freon 113	1	100		0.00	0.00	50				0.000	100.00	

CC - Continuing Calibration Check Compound
N/O or N/O - Not applicable for this runCP - System Performance Check Compound I - Internal Standard
* - Failed the C or P Criteria

Page 2 of 2

** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F.
624 limits are compared against the concentration found.625 limits are compared against the %DIFF.
524.2 limits are compared against the %DIFF

SampleID : CAL @ 50 PPB
 Data File: 1M57041.D
 Acq On : 05/ 7/10 06:10

Operator : SG
 Sam Mult : 1 Vial# : 3
 Misc : S,5G:.4

Qt Meth : 1M_S0430.M
 Qt On : 05/07/10 06:24
 Qt Upd On: 05/03/10 08:36

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-07-10\
 Qt Path : G:\GcMsData\2010\GCMS_1\MethodQt\
 Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.614	96	139776	30.00	ug/l	0.01
48) Chlorobenzene-d5	6.447	117	114048	30.00	ug/l	0.01
63) 1,4-Dichlorobenzene-d4	7.866	152	69080	30.00	ug/l	0.01
System Monitoring Compounds						
33) Dibromofluoromethane	4.171	111	38317	31.41	ug/l	0.01
Spiked Amount 30.000			Recovery =	104.70%		
35) 1,2-Dichloroethane-d4	4.398	102	7243	30.35	ug/l	0.01
Spiked Amount 30.000			Recovery =	101.17%		
59) Toluene-d8	5.580	100	107493	32.12	ug/l	0.01
Spiked Amount 30.000			Recovery =	107.07%		
67) Bromofluorobenzene	7.146	174	64891	31.10	ug/l	0.01
Spiked Amount 30.000			Recovery =	103.67%		
Target Compounds						
5) Chlorodifluoromethane	1.409	51	147499	52.25	ug/l	1
6) Dichlorodifluoromethane	1.393	85	120186	63.44	ug/l	90
7) Chloromethane	1.527	50	101335	58.70	ug/l	97
8) Bromomethane	1.845	94	49851	54.69	ug/l	96
9) Vinyl Chloride	1.610	62	71645	52.46	ug/l	96
10) Chloroethane	1.912	64	51920	55.69	ug/l	92
11) Trichlorofluoromethane	2.113	101	159834	60.51	ug/l	98
12) 1,1,2-Trichloro-1,2,2-...	2.486	101	87018	68.14	ug/l	96
13) Methylene Chloride	2.831	84	83033	49.58	ug/l	95
14) Acrolein	2.398	56	24580	201.49	ug/l	94
15) Acrylonitrile	3.008	53	15069	48.11	ug/l	95
16) Iodomethane	2.604	142	145720	50.16	ug/l	70
17) Acetone	2.516	43	59469	258.85	ug/l	96
18) Carbon Disulfide	2.664	76	295045	57.52	ug/l	100
19) t-Butyl Alcohol	2.910	59	8040	208.89	ug/l	49
20) n-Hexane	3.274	57	141315	65.25	ug/l	90
21) Di-isopropyl-ether	3.432	45	272749	45.58	ug/l	89
22) 1,1-Dichloroethene	2.486	61	168665	56.60	ug/l	92
23) Methyl Acetate	2.752	43	35036	44.63	ug/l	100
24) Methyl-t-butyl ether	3.058	73	99064	45.49	ug/l	87
25) 1,1-Dichloroethane	3.383	63	163455	51.05	ug/l	100
26) trans-1,2-Dichloroethene	3.058	96	82785	52.28	ug/l	72
27) cis-1,2-Dichloroethene	3.836	61	155483	51.89	ug/l	93
28) Bromochloromethane	4.013	49	76754	48.33	ug/l	81
29) 2,2-Dichloropropane	3.846	77	128790	56.95	ug/l	92
30) 1,4-Dioxane	5.048	88	17957	2514.40	ug/l	72
31) 1,1-Dichloropropene	4.319	75	140974	56.63	ug/l	95
32) Chloroform	4.063	83	157077	49.01	ug/l	95
34) Cyclohexane	4.260	56	190789	62.22	ug/l	91
36) 1,2-Dichloroethane	4.447	62	111518	61.73	ug/l	99
37) 2-Butanone	3.836	43	23165	58.03	ug/l	73
38) 1,1,1-Trichloroethane	4.210	97	138464	55.79	ug/l	97
39) Carbon Tetrachloride	4.329	117	133646	58.34	ug/l	87
40) Vinyl Acetate	3.432	43	241696	47.34	ug/l	100
41) Bromodichloromethane	5.137	83	117850	47.92	ug/l	95
42) Methylcyclohexane	4.979	83	170048	65.19	ug/l	80
43) Dibromomethane	5.048	174	63161	49.76	ug/l	91
44) 1,2-Dichloropropane	4.979	63	89065	48.30	ug/l	89
45) Trichloroethene	4.841	130	103465	55.11	ug/l	99
46) Benzene	4.447	78	359909	50.42	ug/l	100
47) tert-Amyl methyl ether	4.516	73	89347	41.74	ug/l	95
49) Dibromochloromethane	6.092	129	72381	43.97	ug/l	98
50) 2-Chloroethylvinylether	5.304	63	30006	39.79	ug/l	95
51) cis-1,3-Dichloropropene	5.403	75	122848	46.51	ug/l	90
52) trans-1,3-Dichloropropene	5.728	75	92941	44.49	ug/l	99
53) 1,1,2-Trichloroethane	5.846	97	49838	43.36	ug/l	93
54) 1,2-Dibromoethane	6.171	107	51496	42.72	ug/l	100
55) 1,3-Dichloropropane	5.944	76	99793	44.82	ug/l	100
56) 4-Methyl-2-Pentanone	5.481	43	43767	38.08	ug/l	91
57) 2-Hexanone	5.974	43	27259	38.31	ug/l	95
58) Tetrachloroethene	5.954	164	116304	55.55	ug/l	88
60) Toluene	5.619	92	226742	54.01	ug/l	92
61) 1,1,1,2-Tetrachloroethane	6.506	133	79150	46.15	ug/l	97
62) Chlorobenzene	6.467	112	239860	46.54	ug/l	100
64) Bromoform	6.959	173	50147	41.97	ug/l	93
65) Ethylbenzene	6.516	106	109008	58.14	ug/l	96
66) 1,1,2,2-Tetrachloroethane	7.205	83	48097	37.32	ug/l	85
68) Styrene	6.831	104	197661	44.21	ug/l	93
69) m&p-Xylenes	6.585	106	314745	109.41	ug/l	100

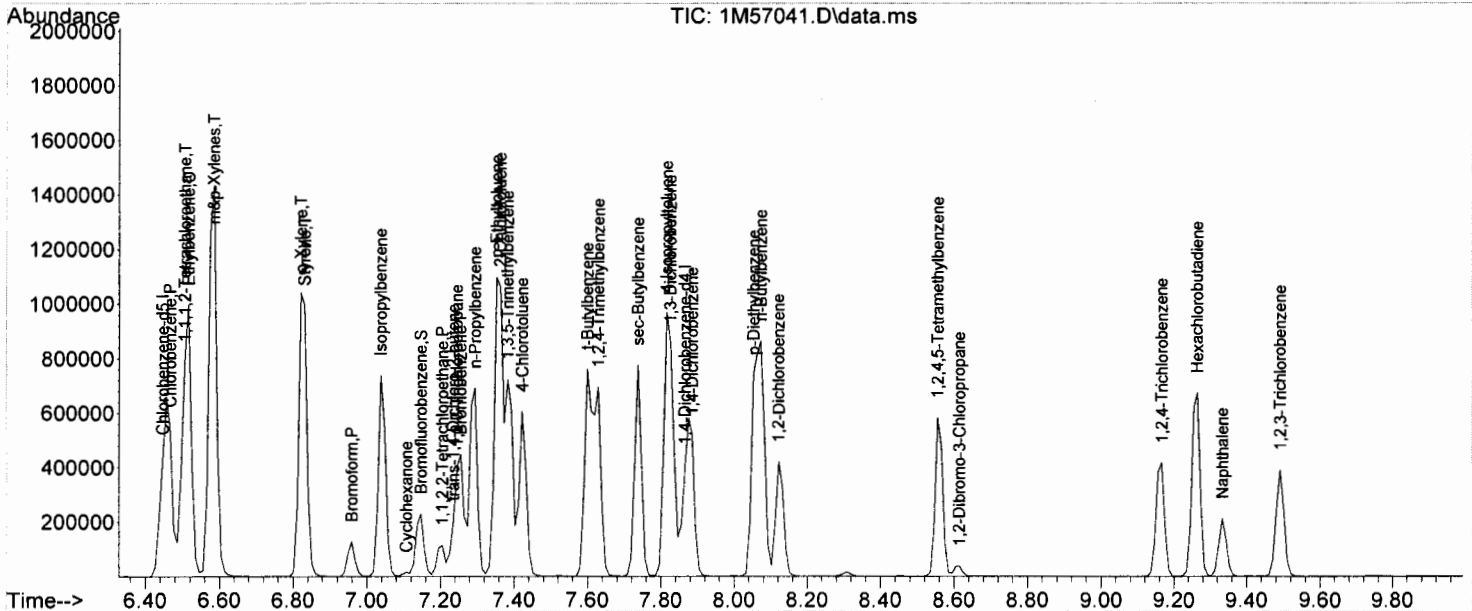
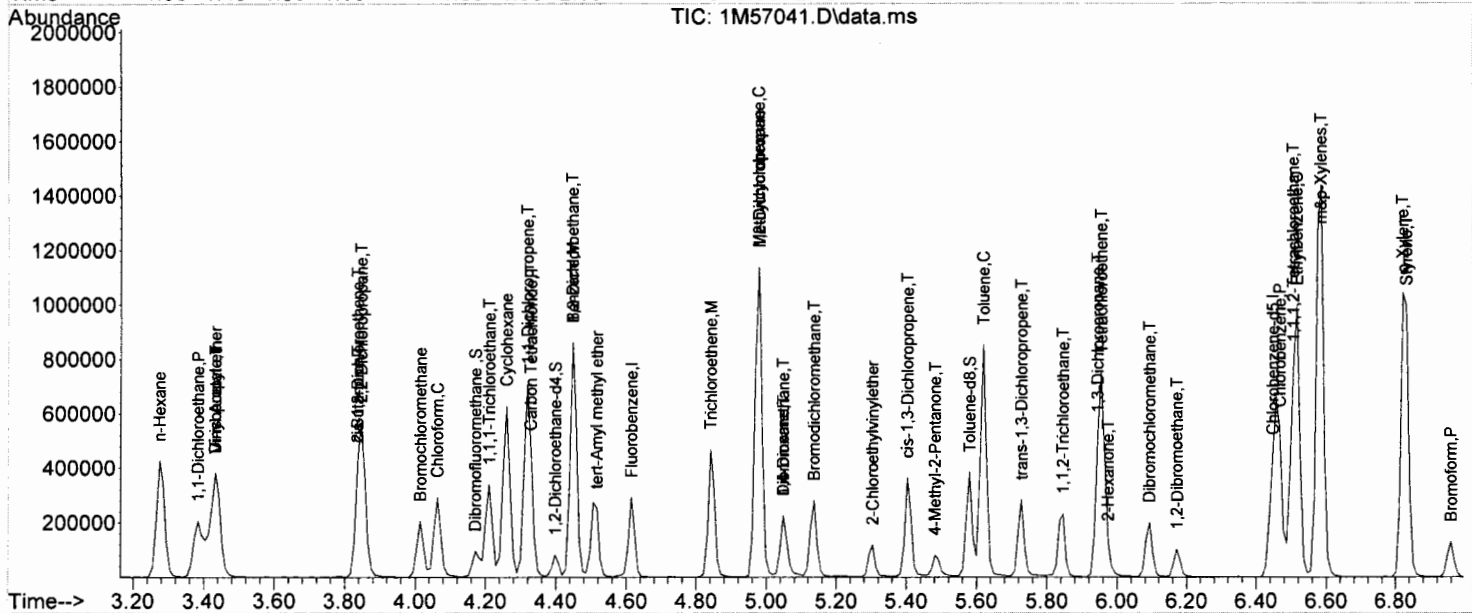
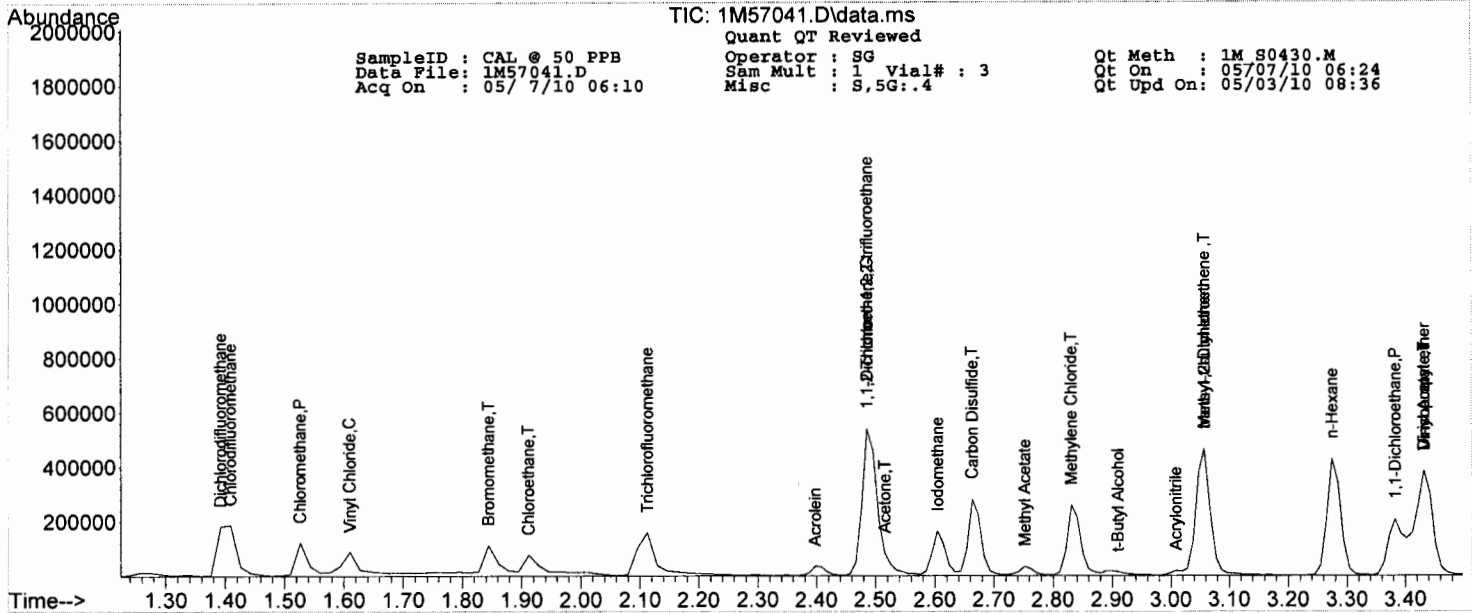
Quantitation Report (QT Reviewed)

SampleID : CAL @ 50 PPB Operator : SG Qt Meth : 1M_S0430.M
 Data File: 1M57041.D Sam Mult : 1 Vial# : 3 Qt On : 05/07/10 06:24
 Acq On : 05/ 7/10 06:10 Misc : S,5G:.4 Qt Upd On: 05/03/10 08:36

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-07-10\
 Qt Path : G:\GcMsData\2010\GCMS_1\MethodQt\
 Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
70) o-Xylene	6.821	106	124257	44.63 ug/l	82
71) trans-1,4-Dichloro-2-b...	7.235	53	16399	32.23 ug/l	92
72) 1,3-Dichlorobenzene	7.826	146	181825	44.38 ug/l	98
73) 1,4-Dichlorobenzene	7.885	146	181482	42.79 ug/l	99
74) 1,2-Dichlorobenzene	8.122	146	155239	41.47 ug/l	97
75) Isopropylbenzene	7.038	105	367233	47.13 ug/l	100
76) Cyclohexanone	7.107	55	4500	171.74 ug/l	94
77) 1,2,3-Trichloropropane	7.245	75	62843	38.99 ug/l	94
78) 2-Chlorotoluene	7.363	91	205056	43.55 ug/l	99
79) p-Ethyltoluene	7.353	105	376948	42.25 ug/l	98
80) 4-Chlorotoluene	7.422	91	213184	46.49 ug/l	96
81) n-Propylbenzene	7.294	91	448838	45.29 ug/l	95
82) Bromobenzene	7.255	77	185353	40.36 ug/l	96
83) 1,3,5-Trimethylbenzene	7.383	105	283644	43.13 ug/l	30
84) t-Butylbenzene	7.600	119	303575	47.25 ug/l	97
85) 1,2,4-Trimethylbenzene	7.629	105	309024	46.97 ug/l	99
86) sec-Butylbenzene	7.737	105	406954	48.55 ug/l	99
87) 4-Isopropyltoluene	7.816	119	332161	49.68 ug/l	98
88) n-Butylbenzene	8.072	91	394751	47.81 ug/l	98
89) p-Diethylbenzene	8.053	119	197154	43.81 ug/l	96
90) 1,2,4,5-Tetramethylben...	8.555	119	267787	41.04 ug/l	97
91) 1,2-Dibromo-3-Chloropr...	8.614	157	10016	37.21 ug/l	98
92) Hexachlorobutadiene	9.265	225	167648	41.95 ug/l	98
93) 1,2,4-Trichlorobenzene	9.166	180	142553	41.22 ug/l	95
94) 1,2,3-Trichlorobenzene	9.491	180	130684	41.72 ug/l	96
95) Naphthalene	9.334	128	144504	40.75 ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed



Form7

Continuing Calibration

Calibration Name: CAL @ 50 PPB
Cont Calibration Date/Time 5/10/2010 7:27:00 A

Data File: 1M57096.D

Method: EPA 8260B

Instrument: GCMS 1

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
Fluorobenzene	1	0	I	4.58	30.00	30				0.000	0.00	
Chlorodifluoromethane	1	0		1.36	33.50				0.606			
Dichlorodifluoromethane	1	0		1.36	36.20	50			0.407	0.294	27.60	
Chloromethane	1	0	CP	1.48	55.13	50	0.1		0.371	0.409	10.26	
Bromomethane	1	0		1.80	48.26	50			0.196	0.189	3.48	
Vinyl Chloride	1	0	CC	1.56	49.90	50	20		0.293	0.293	0.20	
Chloroethane	1	0		1.86	49.74	50			0.200	0.199	0.52	
Trichlorofluoromethane	1	0		2.06	56.61	50			0.567	0.642	13.22	
1,1,2-Trichloro-1,2,2-trifluoroethane	1	0		2.44	60.15	50			0.274	0.330	20.30	
Methylene Chloride	1	0		2.79	43.50	50			0.359	0.313	13.00	
Acrolein	1	0		2.36	234.42	250			0.026	0.025	6.23	
Acrylonitrile	1	0		2.96	28.69	50			0.065	0.039	42.62	
Iodomethane	1	0		2.55	44.30	50			0.624	0.552	11.40	
Acetone	1	0		2.46	246.95	250			0.059	0.049	1.22	
Carbon Disulfide	1	0		2.61	49.33	50			1.101	1.086	1.34	
t-Butyl Alcohol	1	0		2.85	230.58	250			0.008	0.008	7.77	
n-Hexane	1	0		3.23	61.33	50			0.465	0.570	22.66	
Di-isopropyl-ether	1	0		3.38	44.92	50			1.284	1.154	10.16	
1,1-Dichloroethene	1	0	CC	2.44	52.29	50	20		0.640	0.669	4.58	
Methyl Acetate	1	0		2.70	36.95	50			0.168	0.125	26.10	
Methyl-t-butyl ether	1	0		3.01	43.44	50			0.467	0.406	13.12	
1,1-Dichloroethane	1	0	CP	3.33	47.70	50	0.1		0.687	0.656	4.60	
trans-1,2-Dichloroethene	1	0		3.01	51.60	50			0.340	0.351	3.20	
cis-1,2-Dichloroethene	1	0		3.80	47.95	50			0.643	0.617	4.10	
Bromochloromethane	1	0		3.97	44.35	50			0.341	0.302	11.30	
2,2-Dichloropropane	1	0		3.81	54.38	50			0.485	0.528	8.76	
1,4-Dioxane	1	0		5.03	2289.79	2500			0.002	0.001	8.41	
1,1-Dichloropropene	1	0		4.28	52.67	50			0.534	0.563	5.34	
Chloroform	1	0	CC	4.02	44.87	50	20		0.688	0.617	10.26	
Dibromofluoromethane	1	0	S	4.14	30.16	75			0.262	0.263	0.53	
Cyclohexane	1	0		4.22	59.29	50			0.658	0.780	18.58	
1,2-Dichloroethane-d4	1	0	S	4.37	31.01	75			0.051	0.053	3.37	
1,2-Dichloroethane	1	0		4.42	58.20	50			0.490	0.451	16.40	
2-Butanone	1	0		3.80	47.56	50			0.106	0.081	4.88	
1,1,1-Trichloroethane	1	0		4.17	53.26	50			0.533	0.567	6.52	
Carbon Tetrachloride	1	0		4.29	56.80	50			0.492	0.559	13.60	
Vinyl Acetate	1	0		3.38	46.11	50			1.096	1.011	7.78	
Bromodichloromethane	1	0		5.11	44.15	50			0.528	0.466	11.70	
Methylcyclohexane	1	0		4.95	63.58	50			0.560	0.712	27.16	
Dibromomethane	1	0		5.02	46.43	50			0.272	0.253	7.14	
1,2-Dichloropropane	1	0	CC	4.95	47.59	50	20		0.396	0.377	4.82	
Trichloroethene	1	0		4.81	51.30	50			0.403	0.413	2.60	
Benzene	1	0		4.42	47.03	50			1.532	1.441	5.94	
tert-Butyl methyl ether	1	0		4.48	42.50	50			0.459	0.391	15.00	
Chlorobenzene-d5	1	0	I	6.42	30.00	30				0.000	0.00	
Dibromochloromethane	1	0		6.06	47.01	50			0.433	0.407	5.98	
2-Chloroethylvinylether	1	0		5.27	39.52	50			0.175	0.157	20.96	
cis-1,3-Dichloropropene	1	0		5.38	46.02	50			0.695	0.640	7.96	
trans-1,3-Dichloropropene	1	0		5.70	43.99	50			0.549	0.483	12.02	
1,1,2-Trichloroethane	1	0		5.82	47.50	50			0.302	0.287	5.00	
1,2-Dibromoethane	1	0		6.15	42.54	50			0.317	0.270	14.92	
1,3-Dichloropropane	1	0		5.92	43.80	50			0.586	0.513	12.40	
4-Methyl-2-Pentanone	1	0		5.46	39.62	50			0.302	0.240	20.76	
2-Hexanone	1	0		5.95	43.02	50			0.187	0.161	13.96	
Tetrachloroethene	1	0		5.93	56.30	50			0.551	0.620	12.60	
Toluene-d8	1	0	S	5.55	32.79	75			0.880	0.962	9.30	
Toluene	1	0	CC	5.59	55.64	50	20		1.349	1.229	11.28	
1,1,1,2-Tetrachloroethane	1	0		6.48	47.15	50			0.451	0.425	5.70	
Chlorobenzene	1	0	CP	6.44	48.94	50	0.3		1.356	1.327	2.12	
1,4-Dichlorobenzene-d4	1	0	I	7.85	30.00	30				0.000	0.00	
Bromoform	1	0	CP	6.93	42.64	50	0.1		0.519	0.442	14.72	
Ethylbenzene	1	0	CC	6.49	43.55	50	20		0.814	0.709	12.90	
1,1,1,2-Tetrachloroethane	1	0	CP	7.18	43.43	50	0.3		0.560	0.486	13.14	
Bromofluorobenzene	1	0	S	7.12	31.48	75			0.906	0.951	4.93	
Styrene	1	0		6.80	49.40	50			1.941	1.918	1.20	
m&p-Xylenes	1	0		6.55	103.90	100			1.249	1.298	3.90	
o-Xylene	1	0		6.80	49.47	50			1.209	1.196	1.06	
trans-1,4-Dichloro-2-butene	1	0		7.20	32.88	50			0.170	0.145	34.24	
1,3-Dichlorobenzene	1	0		7.81	48.58	50			1.779	1.729	2.84	
1,4-Dichlorobenzene	1	0		7.86	48.40	50			1.842	1.783	3.20	

CC - Continuing Calibration Check Compound
N/O or N/Q - Not applicable for this runCP - System Performance Check Compound I - Internal Standard
* - Failed the C or P Criteria

**- No limit specified in method

Page 1 of 2

Note:

8260/8270 limits are compared against the %DIFF/R.F.
624 limits are compared against the concentration found.625 limits are compared against the %DIFF.
524.2 limits are compared against the %DIFF

Form7

Continuing Calibration

Calibration Name: CAL @ 50 PPB
Cont Calibration Date/Time 5/10/2010 7:27:00 A

Data File: 1M57096.D
Method: EPA 8260B

Instrument: GCMS 1

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
1,2-Dichlorobenzene	1	0		8.10	46.44	50			1.626	1.510	7.12	
Isopropylbenzene	1	0		7.02	50.82	50			3.384	3.440	1.64	
Cyclohexanone	1	0		7.09	207.40				0.010			
1,2,3-Trichloropropane	1	0		7.21	43.18	50			0.700	0.605	13.64	
2-Chlorotoluene	1	0		7.33	47.85	50			2.045	1.957	4.30	
p-Ethyltoluene	1	0		7.33	52.15				3.874			
4-Chlorotoluene	1	0		7.40	52.22	50			1.991	2.080	4.44	
n-Propylbenzene	1	0		7.26	52.40	50			4.304	4.511	4.80	
Bromobenzene	1	0		7.22	43.08	50			1.994	1.718	13.84	
1,3,5-Trimethylbenzene	1	0		7.36	42.07	50			2.856	2.403	15.86	
t-Butylbenzene	1	0		7.58	54.62	50			2.790	3.048	9.24	
1,2,4-Trimethylbenzene	1	0		7.60	51.75	50			2.857	2.957	3.50	
sec-Butylbenzene	1	0		7.72	57.41	50			3.640	4.180	14.82	
4-Isopropyltoluene	1	0		7.80	57.03	50			2.904	3.312	14.06	
n-Butylbenzene	1	0		8.05	55.22	50			3.586	3.960	10.44	
p-Diethylbenzene	1	0		8.03	51.39				1.954			
1,2,4,5-Tetramethylbenzene	1	0		8.53	47.74				2.833			
1,2-Dibromo-3-Chloropropane	1	0		8.58	42.61	50			0.117	0.100	14.78	
Hexachlorobutadiene	1	0		9.23	55.62	50			1.735	1.930	11.24	
1,2,4-Trichlorobenzene	1	0		9.14	48.58	50			1.502	1.459	2.84	
1,2,3-Trichlorobenzene	1	0		9.47	44.28	50			1.360	1.205	11.44	
Naphthalene	1	0		9.31	39.97	50			1.540	1.231	20.06	
Freon 113	1	100		0.00	0.00	50				0.000	100.00	
1,2-Dioxane	1	100		0.00	0.00	5000				0.000	100.00	

CC - Continuing Calibration Check Compound
N/O or N/O - Not applicable for this run

CP - System Performance Check Compound I - Internal Standard
* - Failed the C or P Criteria

Page 2 of 2

** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F.
624 limits are compared against the concentration found.

625 limits are compared against the %DIFF.
524.2 limits are compared against the %DIFF

SampleID : CAL @ 50 PPB
 Data File: 1M57096.D
 Acq On : 05/10/10 07:27

Operator : WP
 Sam Mult : 1 Vial# : 27
 Misc : S,5G:.4

Qt Meth : 1M_S0430.M
 Qt On : 05/10/10 07:41
 Qt Upd On: 05/03/10 08:36

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-10-10\
 Qt Path : G:\GcMsData\2010\GCMS_1\MethodQt\
 Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.584	96	127853	30.00	ug/l	-0.02
48) Chlorobenzene-d5	6.417	117	97585	30.00	ug/l	-0.02
63) 1,4-Dichlorobenzene-d4	7.845	152	66636	30.00	ug/l	0.00
System Monitoring Compounds						
33) Dibromofluoromethane	4.141	111	33647	30.16	ug/l	-0.02
Spiked Amount 30.000			Recovery =	100.53%		
35) 1,2-Dichloroethane-d4	4.367	102	6769	31.01	ug/l	-0.02
Spiked Amount 30.000			Recovery =	103.37%		
59) Toluene-d8	5.550	100	93894	32.79	ug/l	-0.02
Spiked Amount 30.000			Recovery =	109.30%		
67) Bromofluorobenzene	7.116	174	63354	31.48	ug/l	-0.02
Spiked Amount 30.000			Recovery =	104.93%		
Target Compounds						
5) Chlorodifluoromethane	1.360	51	86513	33.50	ug/l	1
6) Dichlorodifluoromethane	1.360	85	62725	36.20	ug/l	94
7) Chloromethane	1.477	50	87052	55.13	ug/l	99
8) Bromomethane	1.796	94	40238	48.26	ug/l	93
9) Vinyl Chloride	1.561	62	62332	49.90	ug/l	99
10) Chloroethane	1.863	64	42417	49.74	ug/l	93
11) Trichlorofluoromethane	2.064	101	136782	56.61	ug/l	92
12) 1,1,2-Trichloro-1,2,2-...	2.436	101	70256	60.15	ug/l	94
13) Methylene Chloride	2.791	84	66639	43.50	ug/l	98
14) Acrolein	2.358	56	26157	234.42	ug/l	85
15) Acrylonitrile	2.959	53	8220	28.69	ug/l	94
16) Iodomethane	2.555	142	117727	44.30	ug/l	71
17) Acetone	2.456	43	51896	246.95	ug/l	98
18) Carbon Disulfide	2.614	76	231461	49.33	ug/l	100
19) t-Butyl Alcohol	2.850	59	8118	230.58	ug/l	89
20) n-Hexane	3.234	57	121496	61.33	ug/l	90
21) Di-isopropyl-ether	3.382	45	245835	44.92	ug/l	86
22) 1,1-Dichloroethane	2.436	61	142534	52.29	ug/l	95
23) Methyl Acetate	2.702	43	26533	36.95	ug/l	100
24) Methyl-t-butyl ether	3.008	73	86517	43.44	ug/l	86
25) 1,1-Dichloroethane	3.333	63	139715	47.70	ug/l	97
26) trans-1,2-Dichloroethene	3.008	96	74748	51.60	ug/l	69
27) cis-1,2-Dichloroethene	3.796	61	131420	47.95	ug/l	94
28) Bromochloromethane	3.973	49	64426	44.35	ug/l	73
29) 2,2-Dichloropropane	3.806	77	112499	54.38	ug/l	92
30) 1,4-Dioxane	5.028	88	14958	2289.79	ug/l	76
31) 1,1-Dichloropropene	4.279	75	119927	52.67	ug/l	99
32) Chloroform	4.023	83	131548	44.87	ug/l	94
34) Cyclohexane	4.220	56	166306	59.29	ug/l	90
36) 1,2-Dichloroethane	4.417	62	96168	58.20	ug/l	97
37) 2-Butanone	3.796	43	17364	47.56	ug/l	91
38) 1,1,1-Trichloroethane	4.170	97	120910	53.26	ug/l	95
39) Carbon Tetrachloride	4.289	117	119019	56.80	ug/l	93
40) Vinyl Acetate	3.382	43	215364	46.11	ug/l	100
41) Bromodichloromethane	5.106	83	99309	44.15	ug/l	89
42) Methylcyclohexane	4.949	83	151700	63.58	ug/l	79
43) Dibromomethane	5.018	174	53911	46.43	ug/l	96
44) 1,2-Dichloropropane	4.949	63	80265	47.59	ug/l	89
45) Trichloroethene	4.811	130	88090	51.30	ug/l	90
46) Benzene	4.417	78	307071	47.03	ug/l	100
47) tert-Amyl methyl ether	4.476	73	83215	42.50	ug/l	89
49) Dibromochloromethane	6.062	129	66209	47.01	ug/l	91
50) 2-Chloroethylvinylether	5.274	63	25506	39.52	ug/l	85
51) cis-1,3-Dichloropropene	5.382	75	104010	46.02	ug/l	97
52) trans-1,3-Dichloropropene	5.698	75	78629	43.99	ug/l	95
53) 1,1,2-Trichloroethane	5.816	97	46716	47.50	ug/l	95
54) 1,2-Dibromoethane	6.151	107	43883	42.54	ug/l	90
55) 1,3-Dichloropropane	5.924	76	83461	43.80	ug/l	96
56) 4-Methyl-2-Pentanone	5.461	43	38966	39.62	ug/l	89
57) 2-Hexanone	5.954	43	26189	43.02	ug/l	87
58) Tetrachloroethene	5.934	164	100854	56.30	ug/l	92
60) Toluene	5.589	92	199854	55.64	ug/l	95
61) 1,1,1,2-Tetrachloroethane	6.476	133	69186	47.15	ug/l	96
62) Chlorobenzene	6.436	112	215794	48.94	ug/l	100
64) Bromoform	6.929	173	49136	42.64	ug/l	93
65) Ethylbenzene	6.486	106	78760	43.55	ug/l	80
66) 1,1,2,2-Tetrachloroethane	7.175	83	53990	43.43	ug/l	84
68) Styrene	6.801	104	213046	49.40	ug/l	93
69) m&p-Xylenes	6.555	106	288340	103.90	ug/l	100

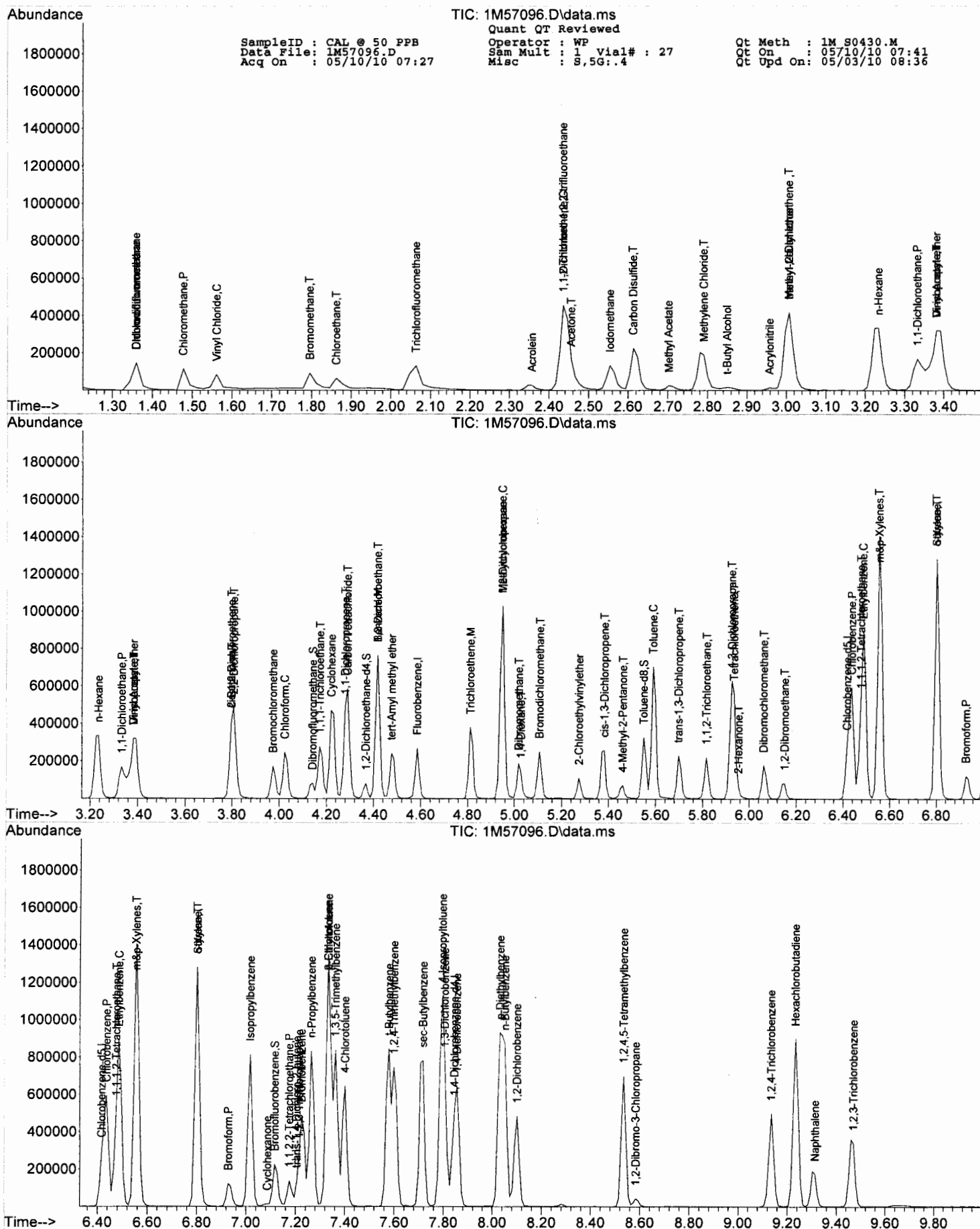
Quantitation Report (QT Reviewed)

SampleID : CAL @ 50 PPB Operator : WP Qt Meth : 1M_S0430.M
 Data File: 1M57096.D Sam Mult : 1 Vial# : 27 Qt On : 05/10/10 07:41
 Acq On : 05/10/10 07:27 Misc : S,5G:.4 Qt Upd On: 05/03/10 08:36

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-10-10\
 Qt Path : G:\GcMsData\2010\GCMS_1\MethodQt\
 Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) o-Xylene	6.801	106	132860	49.47	ug/l	92
71) trans-1,4-Dichloro-2-b...	7.205	53	16139	32.88	ug/l	94
72) 1,3-Dichlorobenzene	7.806	146	191980	48.58	ug/l	96
73) 1,4-Dichlorobenzene	7.855	146	198014	48.40	ug/l	97
74) 1,2-Dichlorobenzene	8.101	146	167686	46.44	ug/l	98
75) Isopropylbenzene	7.018	105	382051	50.82	ug/l	100
76) Cyclohexanone	7.087	55	5326	207.40	ug/l	87
77) 1,2,3-Trichloropropane	7.215	75	67137	43.18	ug/l	93
78) 2-Chlorotoluene	7.333	91	217344	47.85	ug/l	95
79) p-Ethyltoluene	7.333	105	448831	52.15	ug/l	100
80) 4-Chlorotoluene	7.402	91	230976	52.22	ug/l	98
81) n-Propylbenzene	7.264	91	500958	52.40	ug/l	96
82) Bromobenzene	7.225	77	190855	43.08	ug/l	98
83) 1,3,5-Trimethylbenzene	7.363	105	266890m	42.07	ug/l	
84) t-Butylbenzene	7.579	119	338558	54.62	ug/l	98
85) 1,2,4-Trimethylbenzene	7.599	105	328392	51.75	ug/l	98
86) sec-Butylbenzene	7.717	105	464201	57.41	ug/l	100
87) 4-Isopropyltoluene	7.796	119	367837	57.03	ug/l	98
88) n-Butylbenzene	8.052	91	439832	55.22	ug/l	98
89) p-Diethylbenzene	8.032	119	223069	51.39	ug/l	94
90) 1,2,4,5-Tetramethylben...	8.535	119	300443	47.74	ug/l	96
91) 1,2-Dibromo-3-Chloropr...	8.584	157	11062	42.61	ug/l	93
92) Hexachlorobutadiene	9.234	225	214395	55.62	ug/l	98
93) 1,2,4-Trichlorobenzene	9.136	180	162075	48.58	ug/l	97
94) 1,2,3-Trichlorobenzene	9.471	180	133799	44.28	ug/l	94
95) Naphthalene	9.313	128	136693	39.97	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed



GC/MS Volatile Data
Raw QC Data

Form 5

Tune Name: BFB TUNE

Data File: 1M56803.D

Instrument: GCMS 1

Analysis Date: 04/30/10 10:15

Method: EPA 8260B

Tune Scan/Time Range: Average of 4.402 to 4.412 min

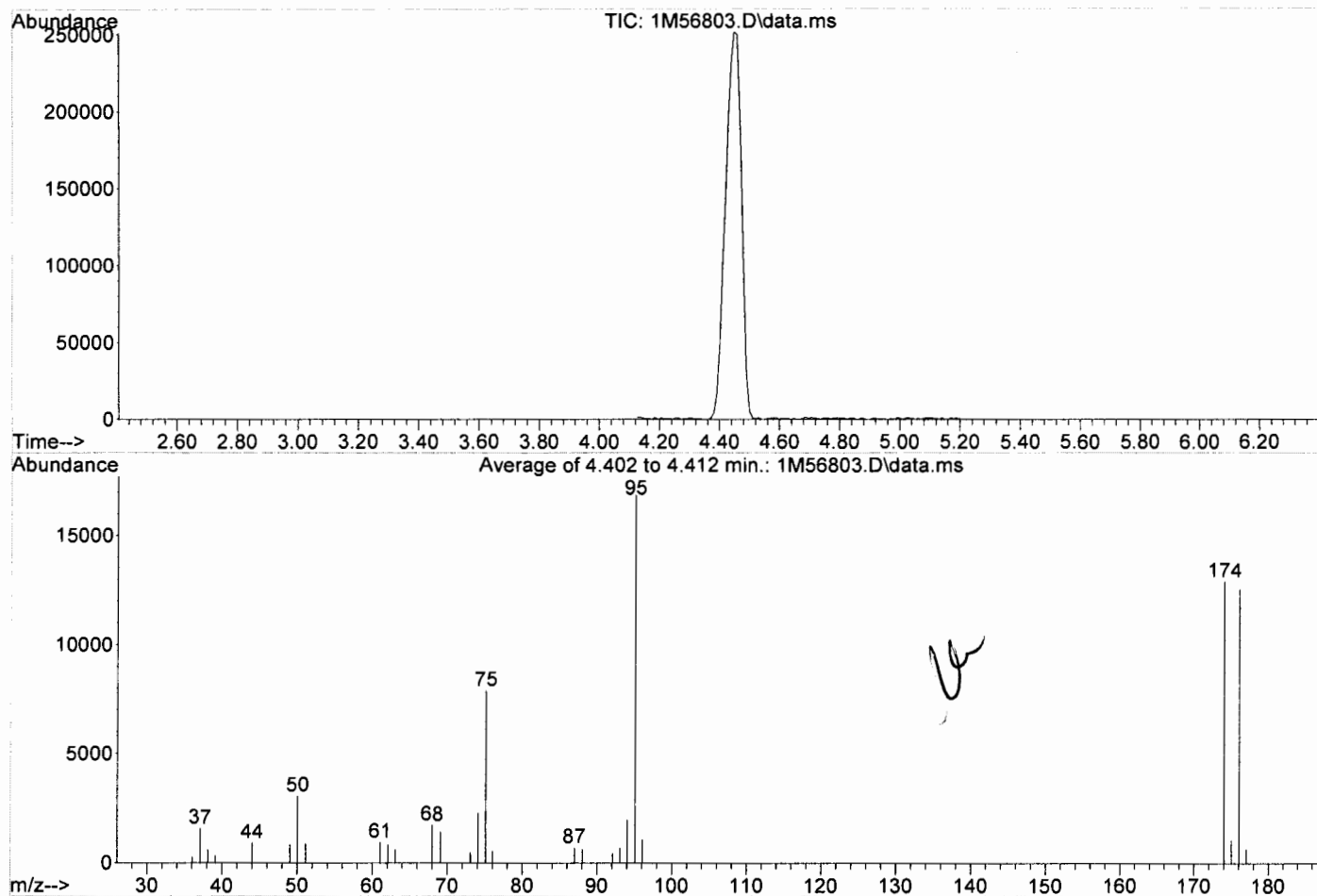
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	18.2	3065	PASS
75	95	30	60	46.8	7908	PASS
95	95	100	100	100.0	16883	PASS
96	95	5	9	6.4	1073	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	76.4	12907	PASS
175	174	5	9	8.2	1062	PASS
176	174	95	101	97.4	12574	PASS
177	176	5	9	5.2	658	PASS

Data File	Sample Number	Analysis Date:
1M56805.D	CAL @ 500 PPB	04/30/10 10:50
1M56806.D	CAL @ 250 PPB	04/30/10 11:06
1M56807.D	CAL @ 100 PPB	04/30/10 11:23
1M56808.D	CAL @ 50 PPB	04/30/10 11:39
1M56809.D	CAL @ 20 PPB	04/30/10 11:55
1M56810.D	CAL @ 10 PPB	04/30/10 12:11
1M56811.D	CAL @ 5 PPB	04/30/10 12:27
1M56812.D	BLK	04/30/10 12:44
1M56813.D	CAL @ 1 PPB	04/30/10 13:00
1M56814.D	CAL @ 0.5 PPB	04/30/10 13:16
1M56815.D	ICV	04/30/10 13:32
1M56816.D	STD	04/30/10 13:48
1M56817.D	BLK	04/30/10 14:05
1M56818.D	DAILY BLANK	04/30/10 14:21
1M56819.D	AC51213-016	04/30/10 14:42
1M56820.D	MBS15885	04/30/10 14:58
1M56821.D	BLK	04/30/10 15:15
1M56822.D	AC51081-001	04/30/10 15:31
1M56823.D	AC51081-002	04/30/10 15:47
1M56824.D	MBS15886	04/30/10 16:03
1M56825.D	AC51081-003	04/30/10 16:20
1M56826.D	AC51081-004	04/30/10 16:36
1M56827.D	AC51235-001	04/30/10 16:52
1M56828.D	AC51195-003	04/30/10 17:08
1M56829.D	AC51195-005	04/30/10 17:24
1M56830.D	AC51081-002(MS)	04/30/10 17:40
1M56831.D	AC51081-002(MSD)	04/30/10 17:57
1M56832.D	BLK	04/30/10 18:13
1M56833.D	AC51313-001	04/30/10 18:29
1M56834.D	AC51313-002	04/30/10 18:45
1M56835.D	AC51313-003	04/30/10 19:01
1M56836.D	AC51313-004	04/30/10 19:18
1M56837.D	AC51313-005	04/30/10 19:34
1M56838.D	AC51313-006	04/30/10 19:50
1M56839.D	AC51313-007	04/30/10 20:06
1M56840.D	AC51314-010	04/30/10 20:22
1M56841.D	AC51326-001	04/30/10 20:38
1M56842.D	AC51257-001(5X)	04/30/10 20:55
1M56843.D	BLK	04/30/10 21:11
1M56844.D	AC51258-001(5X)	04/30/10 21:27
1M56845.D	BLK	04/30/10 21:43
1M56846.D	BLK	04/30/10 22:00
1M56847.D	BLK	04/30/10 22:16
1M56848.D	BLK	04/30/10 22:32
1M56849.D	BLK	04/30/10 22:48
1M56850.D	BLK	04/30/10 23:05
1M56851.D	BLK	04/30/10 23:21

Data Path : G:\GcMsData\2010\GCMS_1\Data\04-30-10\
Data File : 1M56803.D
Acq On : 30 Apr 2010 10:15
Operator : WP
Sample : BFB TUNE
Misc : S,5G
ALS Vial : 2 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0421.M
Title : @GCMS_1,ug,624,8260
Last Update : Wed Apr 21 12:35:49 2010



Spectrum Information: Average of 4.402 to 4.412 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.2	3065	PASS
75	95	30	60	46.8	7908	PASS
95	95	100	100	100.0	16883	PASS
96	95	5	9	6.4	1073	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	76.4	12907	PASS
175	174	5	9	8.2	1062	PASS
176	174	95	101	97.4	12574	PASS
177	176	5	9	5.2	658	PASS

Form 5

Tune Name: BFB TUNE

Data File: 1M57001.D

Instrument: GCMS 1

Analysis Date: 05/06/10 06:36

Method: EPA 8260B

Tune Scan/Time Range: Average of 4.440 to 4.460 min

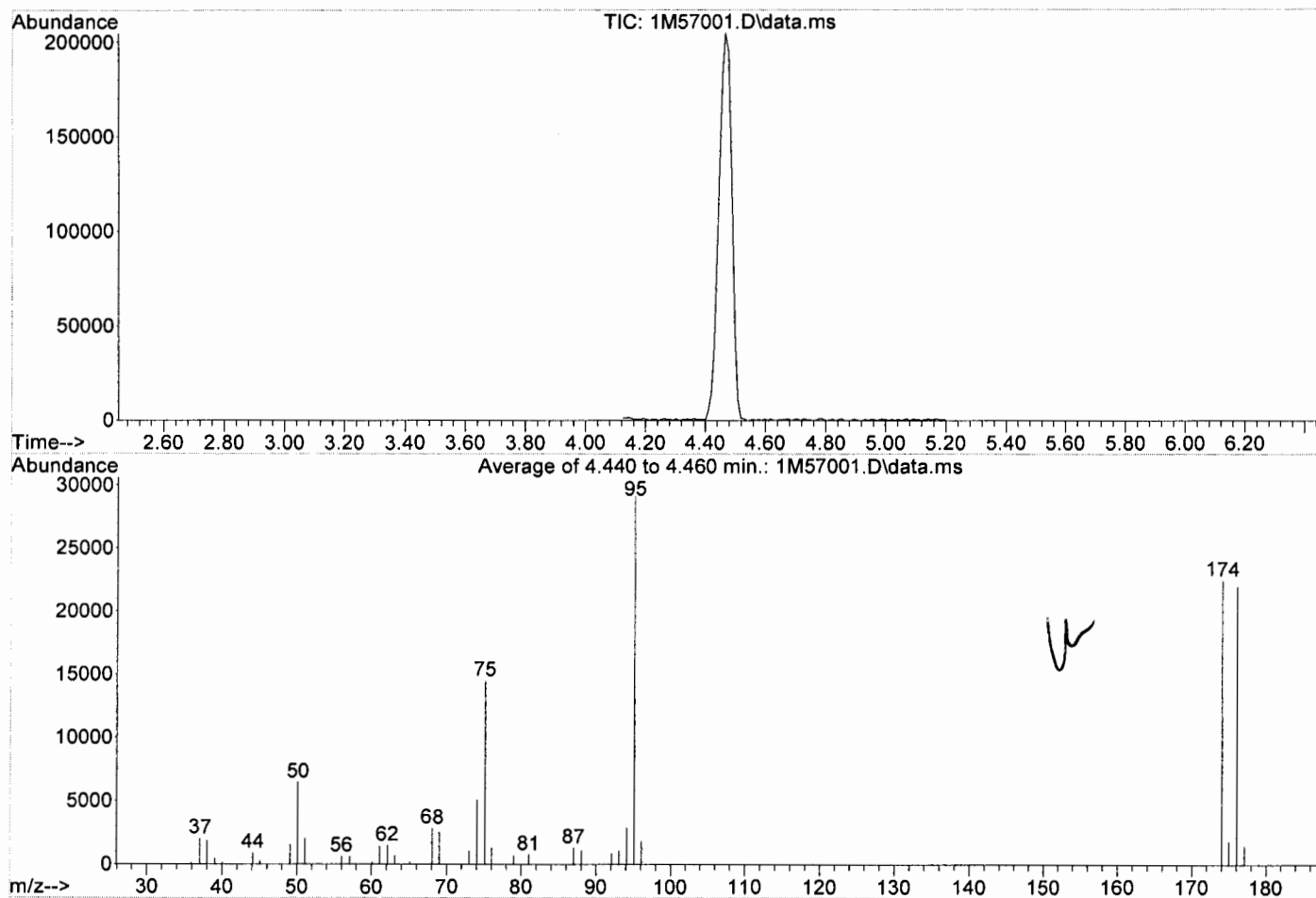
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	22.2	6481	PASS
75	95	30	60	49.8	14512	PASS
95	95	100	100	100.0	29147	PASS
96	95	5	9	6.4	1856	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	77.1	22465	PASS
175	174	5	9	8.2	1842	PASS
176	174	95	101	98.0	22015	PASS
177	176	5	9	6.8	1493	PASS

Data File	Sample Number	Analysis Date:
1M57002.D	CAL @ 50 PPB	05/06/10 06:46
1M57003.D	BLK	05/06/10 07:19
1M57004.D	BLK	05/06/10 08:11
1M57005.D	BLK	05/06/10 08:27
1M57006.D	51314-010	05/06/10 08:44
1M57007.D	STDTEST	05/06/10 09:00
1M57008.D	BLK	05/06/10 09:42
1M57009.D	STDTEST	05/06/10 09:58
1M57010.D	BLK	05/06/10 10:17
1M57011.D	DAILY BLANK	05/06/10 10:33
1M57012.D	MBS15943	05/06/10 10:58
1M57013.D	BLK	05/06/10 11:14
1M57014.D	AC51371-005	05/06/10 11:30
1M57015.D	AC51404-001	05/06/10 11:47
1M57016.D	AC51404-006	05/06/10 12:03
1M57017.D	AC51404-007	05/06/10 12:19
1M57018.D	AC51420-012	05/06/10 12:36
1M57019.D	AC51387-005(5X)	05/06/10 12:52
1M57020.D	BLK	05/06/10 13:08
1M57021.D	AC51354-001	05/06/10 13:24
1M57022.D	BLK	05/06/10 13:41
1M57023.D	BLK	05/06/10 13:57
1M57024.D	AC51408-001	05/06/10 14:13
1M57025.D	AC51408-002	05/06/10 14:30
1M57026.D	AC51408-003	05/06/10 14:46
1M57027.D	AC51404-006	05/06/10 15:02
1M57028.D	AC51408-004	05/06/10 15:19
1M57029.D	AC51408-007	05/06/10 15:35
1M57030.D	AC51408-008	05/06/10 15:51
1M57031.D	AC51408-009	05/06/10 16:08
1M57032.D	BLK(050610)	05/06/10 16:24
1M57033.D	AC51351-012	05/06/10 16:40
1M57034.D	AC51404-004(MS)	05/06/10 16:56
1M57035.D	AC51404-004(MSD)	05/06/10 17:13
1M57036.D	BLK	05/06/10 17:29
1M57037.D	AC51408-001	05/06/10 17:45

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-06-10\
 Data File : 1M57001.D
 Acq On : 6 May 2010 6:36
 Operator : WP
 Sample : BFB TUNE
 Misc : S,5G!6
 ALS Vial : 41 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0430.M
 Title : @GCMS_1,ug,624,8260
 Last Update : Fri Apr 30 14:12:09 2010



Spectrum Information: Average of 4.440 to 4.460 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.2	6481	PASS
75	95	30	60	49.8	14512	PASS
95	95	100	100	100.0	29147	PASS
96	95	5	9	6.4	1856	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	77.1	22465	PASS
175	174	5	9	8.2	1842	PASS
176	174	95	101	98.0	22015	PASS
177	176	5	9	6.8	1493	PASS

Form 5

Tune Name: BFB TUNE

Data File: 1M57040.D

Instrument: GCMS 1

Analysis Date: 05/07/10 05:35

Method: EPA 8260B

Tune Scan/Time Range: Scan 35

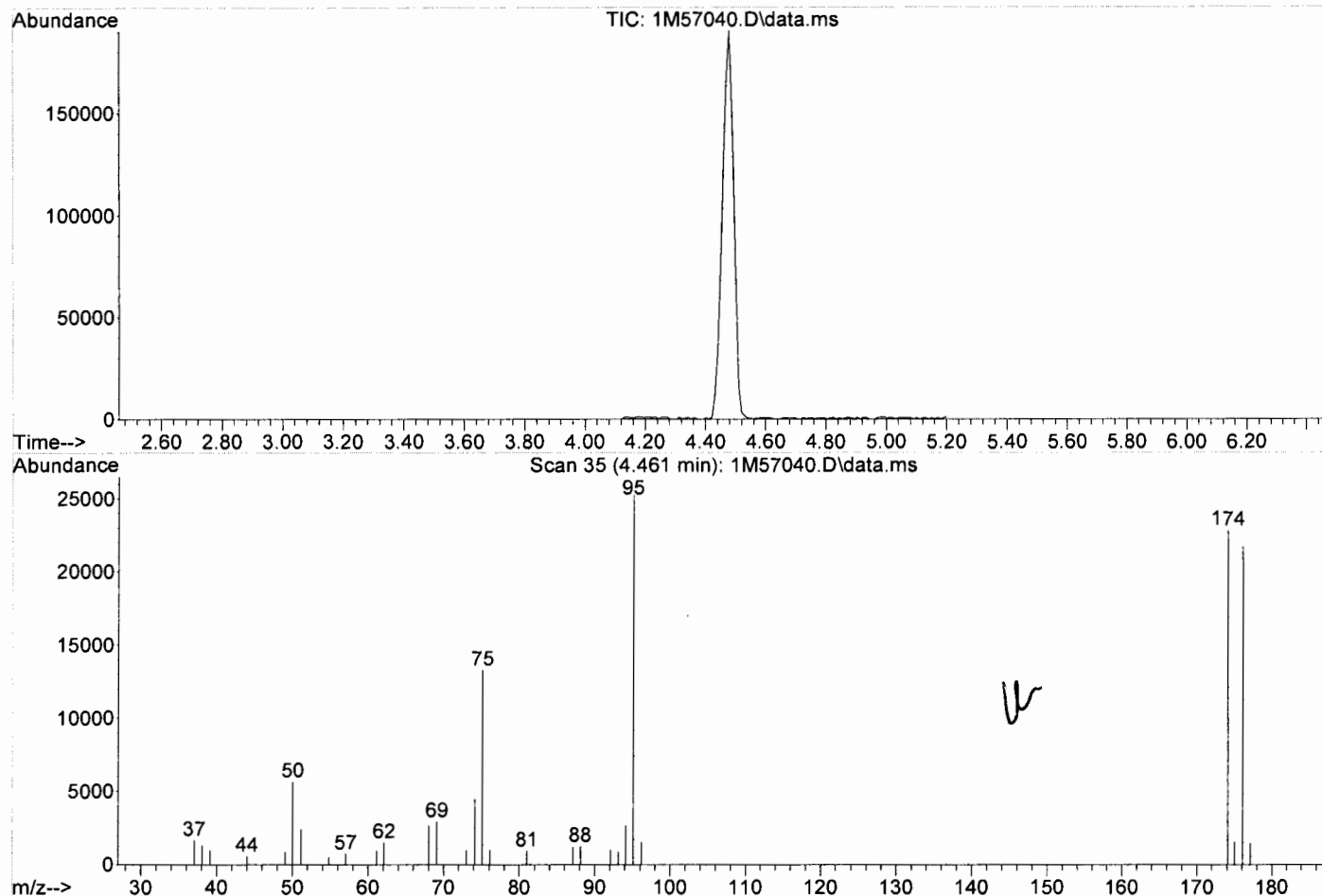
Tgt	Rel	Lo	Hi	Rel	Raw	Pass/
Mass	Mass	Lim	Lim	Abund	Abund	Fail
50	95	15	40	22.5	5676	PASS
75	95	30	60	52.6	13289	PASS
95	95	100	100	100.0	25256	PASS
96	95	5	9	6.1	1549	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	90.3	22816	PASS
175	174	5	9	6.9	1572	PASS
176	174	95	101	95.0	21680	PASS
177	176	5	9	6.8	1476	PASS

Data File	Sample Number	Analysis Date:
1M57041.D	CAL @ 50 PPB	05/07/10 06:10
1M57042.D	BLK	05/07/10 06:32
1M57043.D	DAILY BLANK	05/07/10 06:48
1M57044.D	BLK	05/07/10 07:04
1M57045.D	AC51408-002	05/07/10 07:20
1M57046.D	MBS15952	05/07/10 07:37
1M57047.D	BLK	05/07/10 07:53
1M57048.D	AC51262-008	05/07/10 08:09
1M57049.D	AC51332-007	05/07/10 08:25
1M57050.D	AC51439-001	05/07/10 08:41
1M57051.D	AC51439-002	05/07/10 08:58
1M57052.D	AC51439-003	05/07/10 09:14
1M57053.D	AC51439-004	05/07/10 09:30
1M57054.D	AC51439-005	05/07/10 09:46
1M57055.D	AC51439-006	05/07/10 10:03
1M57056.D	AC51439-007	05/07/10 10:19
1M57057.D	AC51338-002	05/07/10 10:35
1M57058.D	AC51387-003	05/07/10 10:51
1M57059.D	AC51387-001	05/07/10 11:07
1M57060.D	AC51387-004	05/07/10 11:24
1M57061.D	BLK	05/07/10 11:40
1M57062.D	AC51420-012	05/07/10 11:56
1M57063.D	BLK	05/07/10 12:12
1M57064.D	AC51420-011	05/07/10 12:28
1M57065.D	BLK	05/07/10 12:45
1M57066.D	AC51404-005(MS)	05/07/10 13:03
1M57067.D	AC51404-005(MSD)	05/07/10 13:19
1M57068.D	AC51387-004	05/07/10 13:35
1M57069.D	AC51420-011	05/07/10 13:51
1M57070.D	AC51467-004	05/07/10 14:07
1M57071.D	AC51467-003	05/07/10 14:24
1M57072.D	AC51467-002	05/07/10 14:40
1M57073.D	51467-001	05/07/10 14:56
1M57074.D	BLK	05/07/10 15:12
1M57075.D	AC51332-007	05/07/10 15:29

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-07-10\
 Data File : 1M57040.D
 Acq On : 7 May 2010 5:35
 Operator : SG
 Sample : BFB TUNE
 Misc : S,5G
 ALS Vial : 2 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0430.M
 Title : @GCMS_1,ug,624,8260
 Last Update : Fri Apr 30 14:12:09 2010



Spectrum Information: Scan 35

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.5	5676	PASS
75	95	30	60	52.6	13289	PASS
95	95	100	100	100.0	25256	PASS
96	95	5	9	6.1	1549	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	90.3	22816	PASS
175	174	5	9	6.9	1572	PASS
176	174	95	101	95.0	21680	PASS
177	176	5	9	6.8	1476	PASS

Form 5

Tune Name: BFB TUNE

Data File: 1M57095.D

Instrument: GCMS 1

Analysis Date: 05/10/10 06:49

Method: EPA 8260B

Tune Scan/Time Range: Average of 4.444 to 4.444 min

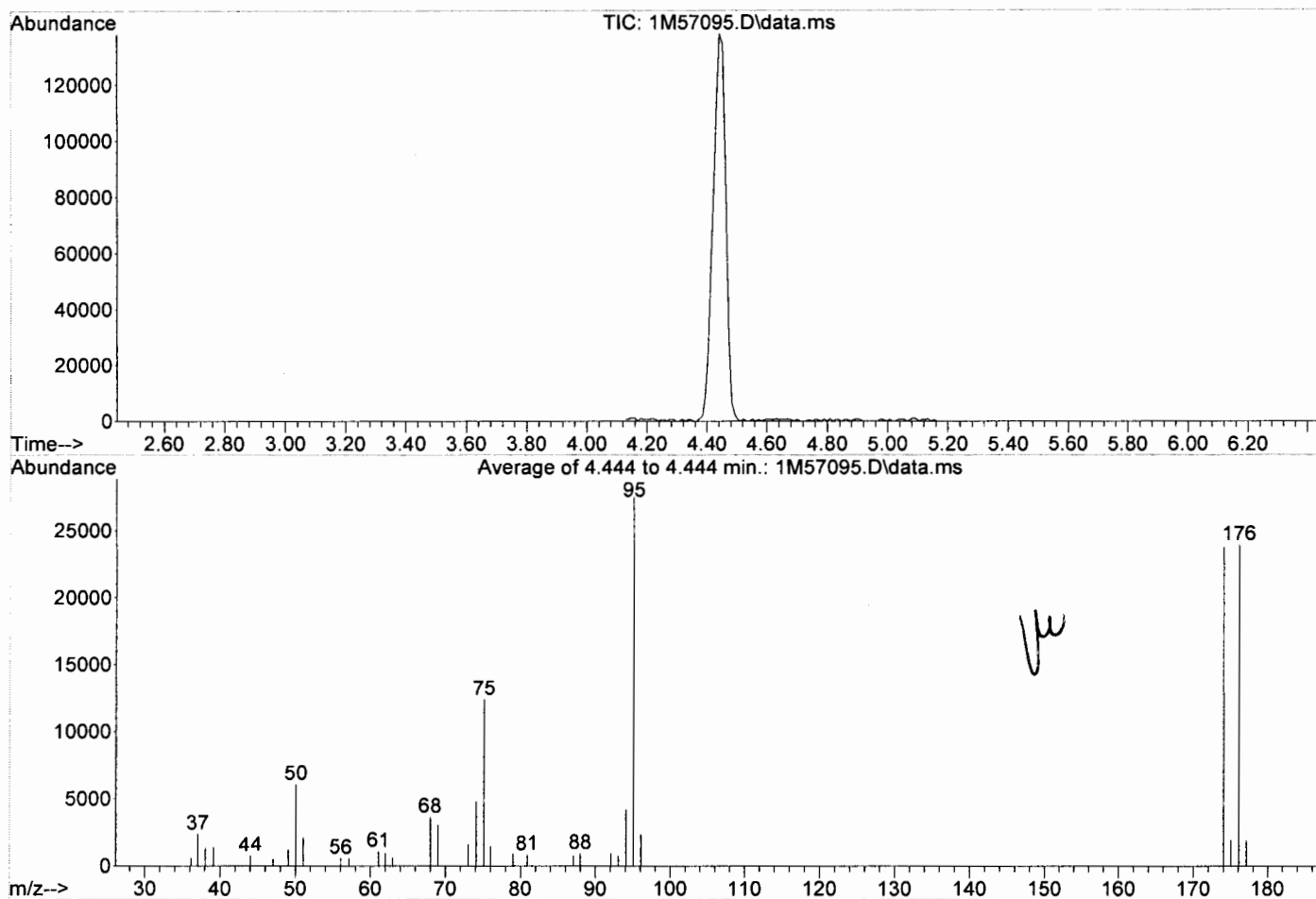
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	22.1	6072	PASS
75	95	30	60	45.1	12412	PASS
95	95	100	100	100.0	27520	PASS
96	95	5	9	8.5	2352	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	86.4	23776	PASS
175	174	5	9	8.1	1930	PASS
176	174	95	101	100.7	23952	PASS
177	176	5	9	8.0	1923	PASS

Data File	Sample Number	Analysis Date:
1M57096.D	CAL @ 50 PPB	05/10/10 07:27
1M57097.D	BLK	05/10/10 07:49
1M57098.D	DAILY BLANK	05/10/10 08:05
1M57099.D	BLK	05/10/10 08:23
1M57100.D	AC51421-001	05/10/10 08:40
1M57101.D	AC51387-006(5X)	05/10/10 08:56
1M57102.D	AC51387-002(5X)	05/10/10 09:12
1M57103.D	MBS15984	05/10/10 09:28
1M57104.D	BLK	05/10/10 09:44
1M57105.D	AC51456-006	05/10/10 10:00
1M57106.D	AC51446-007	05/10/10 10:16
1M57107.D	AC51447-001	05/10/10 10:33
1M57108.D	AC51432-002	05/10/10 10:49
1M57109.D	MBS15991	05/10/10 11:05
1M57110.D	AC51467-004(MS)	05/10/10 11:21
1M57111.D	AC51467-004(MSD)	05/10/10 11:37
1M57112.D	BLK	05/10/10 11:53
1M57113.D	AC51446-003	05/10/10 12:09
1M57114.D	AC51446-007	05/10/10 12:26
1M57115.D	AC51456-007	05/10/10 12:42
1M57116.D	AC51456-005	05/10/10 12:58
1M57117.D	AC51456-004	05/10/10 13:14
1M57118.D	AC51456-003	05/10/10 13:30
1M57119.D	AC51456-002	05/10/10 13:46
1M57120.D	AC51456-001	05/10/10 14:02
1M57121.D	BLK	05/10/10 14:19
1M57122.D	AC51448-001	05/10/10 14:35
1M57123.D	AC51448-002	05/10/10 14:51
1M57124.D	AC51448-003	05/10/10 15:07
1M57125.D	AC51387-006(5X)	05/10/10 15:24
1M57126.D	AC51387-002(5X)	05/10/10 15:40
1M57127.D	MBS15994	05/10/10 15:57
1M57128.D	AC51448-001(MS)	05/10/10 16:13
1M57129.D	AC51448-001(MSD)	05/10/10 16:29
1M57130.D	AC51456-005	05/10/10 16:45
1M57131.D	AC51456-002	05/10/10 17:01
1M57132.D	AC51456-001	05/10/10 17:17
1M57133.D	AC51448-005	05/10/10 17:34
1M57134.D	AC51455-014	05/10/10 17:50
1M57135.D	AC51455-019	05/10/10 18:06
1M57136.D	AC51455-020	05/10/10 18:22
1M57137.D	AC51455-022	05/10/10 18:38
1M57138.D	BLK	05/10/10 18:54
1M57139.D	BLK	05/10/10 19:11
1M57140.D	BLK	05/10/10 19:27
1M57141.D	BLK	05/10/10 19:43

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-10-10\
Data File : 1M57095.D
Acq On : 10 May 2010 6:49
Operator : WP
Sample : BFB TUNE
Misc : S,5G!4
ALS Vial : 43 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0430.M
Title : @GCMS_1,ug,624,8260
Last Update : Fri Apr 30 14:12:09 2010



Spectrum Information: Average of 4.444 to 4.444 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.1	6072	PASS
75	95	30	60	45.1	12412	PASS
95	95	100	100	100.0	27520	PASS
96	95	5	9	8.5	2352	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	86.4	23776	PASS
175	174	5	9	8.1	1930	PASS
176	174	95	101	100.7	23952	PASS
177	176	5	9	8.0	1923	PASS

Form1
ORGANICS VOLATILE REPORT

Sample Number: DAILY BLANK
Client Id:
Data File: 1M57011.D
Analysis Date: 05/06/10 10:33
Date Rec/Extracted:
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Soil
Initial Vol: 5g
Final Vol: NA
Dilution: 1.00
Solids: 100

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.0050	U	56-23-5	Carbon Tetrachloride	0.0050	U
79-34-5	1,1,2,2-Tetrachloroethane	0.0050	U	108-90-7	Chlorobenzene	0.0050	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0050	U	75-00-3	Chloroethane	0.0050	U
79-00-5	1,1,2-Trichloroethane	0.0050	U	67-66-3	Chloroform	0.0050	U
75-34-3	1,1-Dichloroethane	0.0050	U	74-87-3	Chloromethane	0.0050	U
75-35-4	1,1-Dichloroethene	0.0050	U	156-59-2	cis-1,2-Dichloroethene	0.0050	U
96-18-4	1,2,3-Trichloropropane	0.0050	U	10061-01-5	cis-1,3-Dichloropropene	0.0050	U
95-63-6	1,2,4-Trimethylbenzene	0.0010	U	124-48-1	Dibromochloromethane	0.0050	U
95-50-1	1,2-Dichlorobenzene	0.0050	U	75-71-8	Dichlorodifluoromethane	0.0050	U
107-06-2	1,2-Dichloroethane	0.0050	U	100-41-4	Ethylbenzene	0.0010	U
78-87-5	1,2-Dichloropropane	0.0050	U	98-82-8	Isopropylbenzene	0.0010	U
108-67-8	1,3,5-Trimethylbenzene	0.0010	U	136777612	m&p-Xylenes	0.0010	U
541-73-1	1,3-Dichlorobenzene	0.0050	U	75-09-2	Methylene Chloride	0.0050	U
142-28-9	1,3-Dichloropropane	0.0050	U	1634-04-4	Methyl-t-butyl ether	0.0010	U
106-46-7	1,4-Dichlorobenzene	0.0050	U	104-51-8	n-Butylbenzene	0.0010	U
123-91-1	1,4-Dioxane	0.25	U	103-65-1	n-Propylbenzene	0.0010	U
78-93-3	2-Butanone	0.0050	U	95-47-6	o-Xylene	0.0010	U
110-75-8	2-Chloroethylvinylether	0.0050	U	135-98-8	sec-Butylbenzene	0.0010	U
591-78-6	2-Hexanone	0.0050	U	100-42-5	Styrene	0.0050	U
99-87-6	4-Isopropyltoluene	0.0010	U	75-65-0	t-Butyl Alcohol	0.025	U
108-10-1	4-Methyl-2-Pentanone	0.0050	U	98-06-6	t-Butylbenzene	0.0010	U
67-64-1	Acetone	0.025	U	127-18-4	Tetrachloroethene	0.0050	U
107-02-8	Acrolein	0.025	U	108-88-3	Toluene	0.0010	U
107-13-1	Acrylonitrile	0.0050	U	156-60-5	trans-1,2-Dichloroethene	0.0050	U
71-43-2	Benzene	0.0010	U	10061-02-6	trans-1,3-Dichloropropene	0.0050	U
75-27-4	Bromodichloromethane	0.0050	U	79-01-6	Trichloroethene	0.0050	U
75-25-2	Bromoform	0.0050	U	75-69-4	Trichlorofluoromethane	0.0050	U
74-83-9	Bromomethane	0.0050	U	75-01-4	Vinyl Chloride	0.0050	U
75-15-0	Carbon Disulfide	0.0050	U				

Worksheet #: 151241

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.

R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.

Form1e**ORGANICS VOLATILE REPORT
Tentatively Identified Compounds**

Sample Number: DAILY BLANK	Matrix: Soil
Client Id:	Initial Vol: 5g
Data File: 1M57011.D	Final Vol: NA
Analysis Date: 05/06/10 10:33	Dilution: 1.00
Date Rec/Extracted:	Solids: 100
	Method: EPA 8260B

Units: mg/Kg

Cas #	Compound	RT	Conc
1	No Unknown Compounds Detected	0.00	0 J

Worksheet #: 151241

Total Tentatively Identified Concentration 0*A - Indicates an aldol condensate.**J - Indicates an estimated value.**B - Indicates the analyte was found in the blank as well as in the sample.**Y - Indicates the analyte was found in the blank at <10% of the concentration of the sample.**<10% - Indicates the analyte was found in the blank at < 10% of nearest Internal Standard*

Quantitation Report (QT Reviewed)

SampleID : DAILY BLANK Operator : WP Qt Meth : 1M_S0430.M
 Data File: 1M57011.D Sam Mult : 1 Vial# : 11 Qt On : 05/06/10 10:49
 Acq On : 05/ 6/10 10:33 Misc : S,5G Qt Upd On: 05/03/10 08:36

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-06-10\
 Qt Path : G:\GcMsData\2010\GCMS_1\MethodQt\
 Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

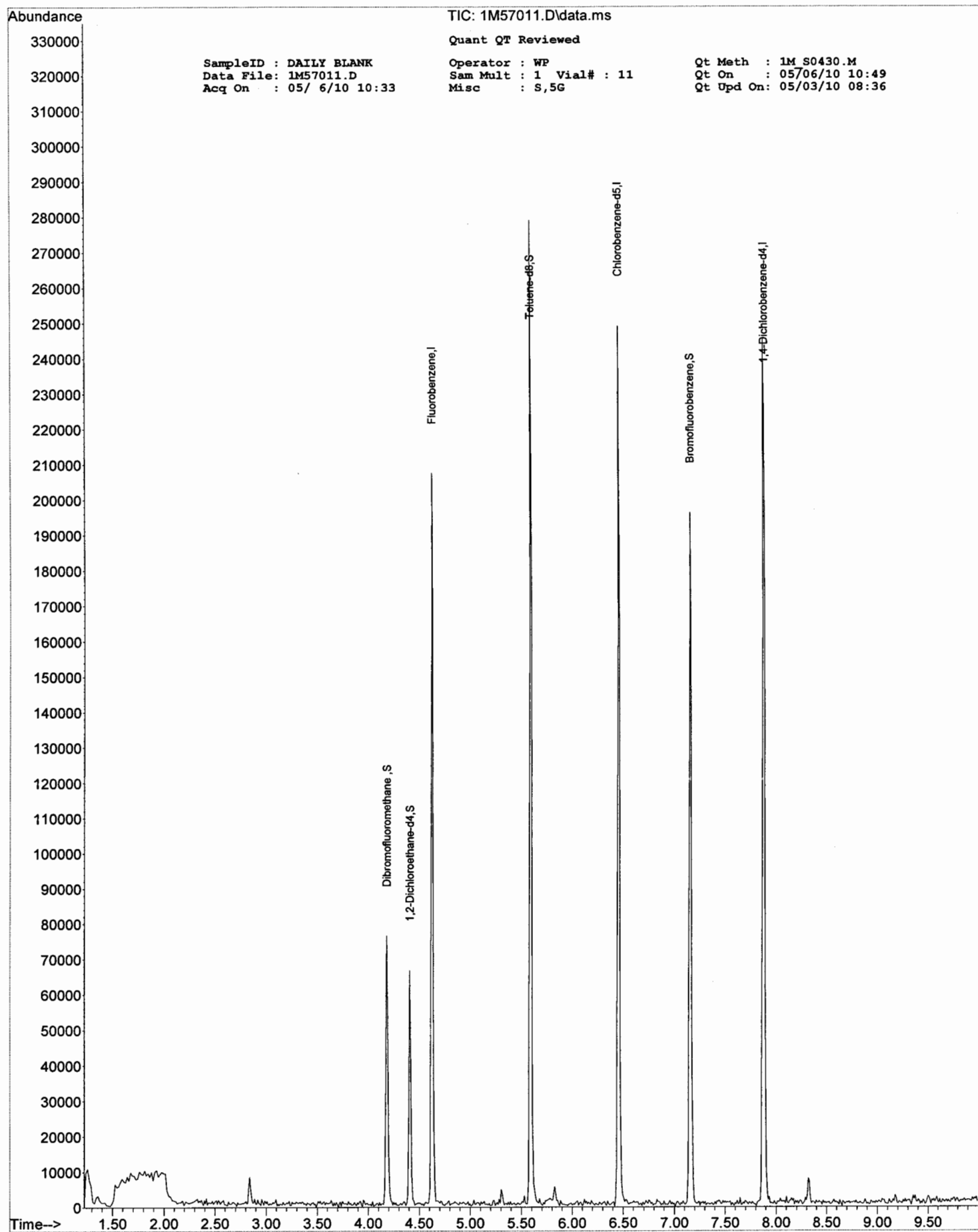
Internal Standards						
4) Fluorobenzene	4.623	96	101508	30.00	ug/l	0.02
48) Chlorobenzene-d5	6.456	117	88081	30.00	ug/l	0.02
63) 1,4-Dichlorobenzene-d4	7.884	152	63355	30.00	ug/l	0.03
System Monitoring Compounds						
33) Dibromofluoromethane	4.180	111	30874	34.85	ug/l	0.02
Spiked Amount	30.000		Recovery	=	116.17%	
35) 1,2-Dichloroethane-d4	4.407	102	5966	34.42	ug/l	0.02
Spiked Amount	30.000		Recovery	=	114.73%	
59) Toluene-d8	5.589	100	73030	28.26	ug/l	0.02
Spiked Amount	30.000		Recovery	=	94.20%	
67) Bromofluorobenzene	7.155	174	53608	28.01	ug/l	0.02
Spiked Amount	30.000		Recovery	=	93.37%	

Target Compounds Qvalue

No Library Search Compounds Found

(#) = qualifier out of range (m) = manual integration (+) = signals summed

W



Data Path : G:\GcMsData\2010\GCMS_1\Data\05-06-10\
 Data File : 1M57011.D
 Acq On : 6 May 2010 10:33
 Operator : WP
 Sample : DAILY BLANK
 Misc : S,5G
 ALS Vial : 11 Sample Multiplier: 1

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 1000 Area counts

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0430.M

Title : @GCMS_1,ug,624,8260

Signal : TIC: 1M57011.D\data.ms

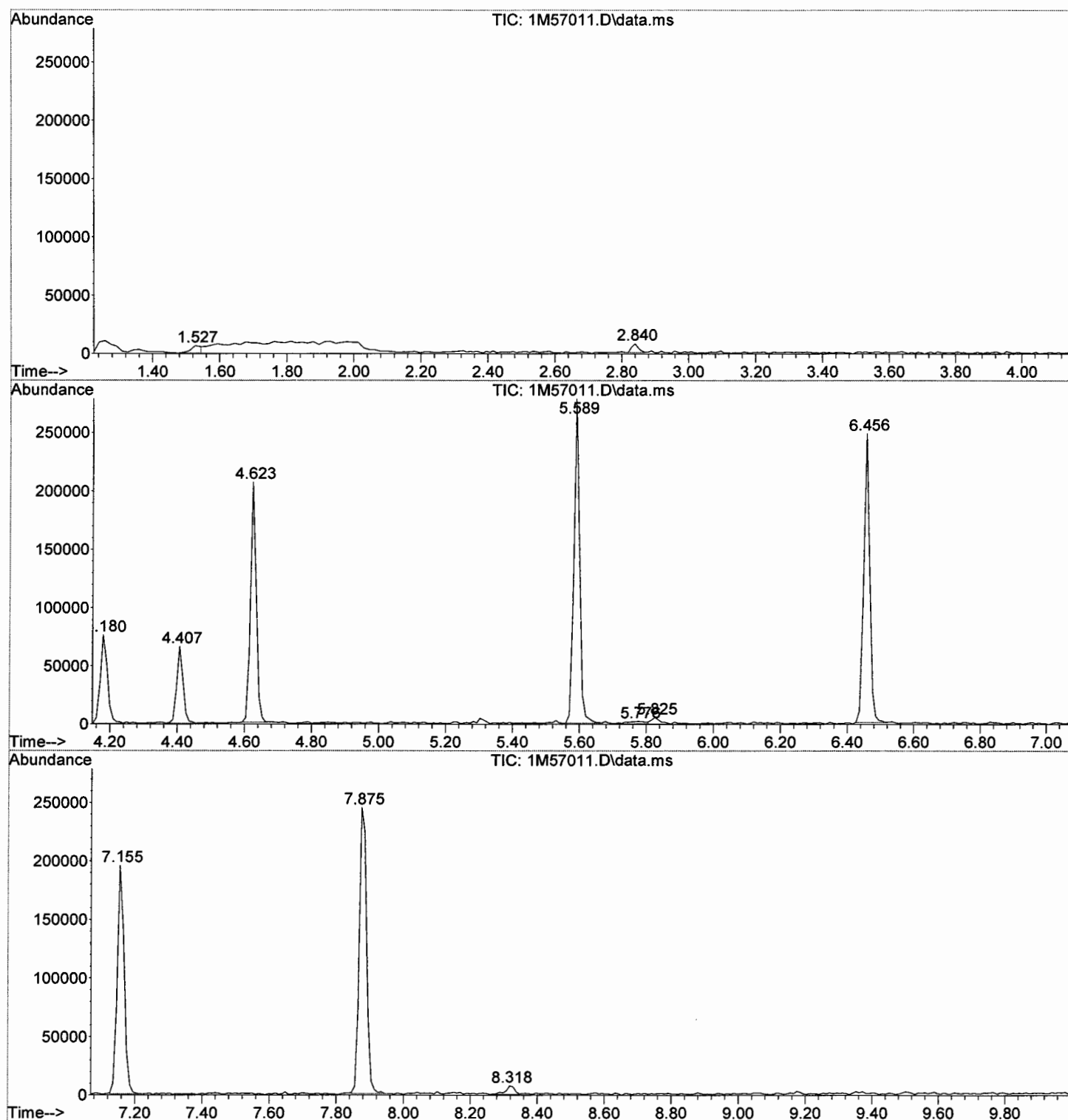
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.527	16	19	20	rBV2	6195	14127	3.77%	0.787%
2	2.840	115	118	121	rBV	7421	10395	2.77%	0.579%
3	4.180	251	254	260	rVB	76006	110650	29.52%	6.167%
4	4.407	274	277	282	rVB	66144	86542	23.09%	4.824%
5	4.623	296	299	303	rBV	206074	245039	65.37%	13.657%
6	5.589	394	397	405	rBV	278117	333431	88.95%	18.584%
7	5.776	409	416	419	rBV	1973	8230	2.20%	0.459%
8	5.825	419	421	426	rVB2	5466	9630	2.57%	0.537%
9	6.456	482	485	491	rVB	247733	310307	82.78%	17.295%
10	7.155	553	556	563	rVB	195340	276929	73.88%	15.435%
11	7.875	626	629	637	rVB	244740	374856	100.00%	20.893%
12	8.318	668	674	677	rBV2	7436	14038	3.74%	0.782%

Sum of corrected areas: 1794174

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-06-10\
Data File : 1M57011.D
Acq On : 6 May 2010 10:33
Operator : WP
Sample : DAILY BLANK
Misc : S,5G
ALS Vial : 11 Sample Multiplier: 1

Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0430.M
Quant Title : @GCMS_1,ug,624,8260

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P



Data Path : G:\GcMsData\2010\GCMS_1\Data\05-06-10\
Data File : 1M57011.D
Acq On : 6 May 2010 10:33
Operator : WP
Sample : DAILY BLANK
Misc : S,5G
ALS Vial : 11 Sample Multiplier: 1

Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0430.M
Quant Title : @GCMS_1,ug,624,8260

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	-----Internal Standard-----			
					#	ExpRT	ActRt	Resp

No Library Search Compounds Detected

Form1

ORGANICS VOLATILE REPORT

Sample Number: DAILY BLANK

Client Id:

Data File: 1M57043.D

Analysis Date: 05/07/10 06:48

Date Rec/Extracted:

Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B

Matrix: Soil

Initial Vol: 5g

Final Vol: NA

Dilution: 1.00

Solids: 100

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.0050	U	56-23-5	Carbon Tetrachloride	0.0050	U
79-34-5	1,1,2,2-Tetrachloroethane	0.0050	U	108-90-7	Chlorobenzene	0.0050	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0050	U	75-00-3	Chloroethane	0.0050	U
79-00-5	1,1,2-Trichloroethane	0.0050	U	67-66-3	Chloroform	0.0050	U
75-34-3	1,1-Dichloroethane	0.0050	U	74-87-3	Chloromethane	0.0050	U
75-35-4	1,1-Dichloroethene	0.0050	U	156-59-2	cis-1,2-Dichloroethene	0.0050	U
96-18-4	1,2,3-Trichloropropane	0.0050	U	10061-01-5	cis-1,3-Dichloropropene	0.0050	U
95-63-6	1,2,4-Trimethylbenzene	0.0010	U	124-48-1	Dibromochloromethane	0.0050	U
95-50-1	1,2-Dichlorobenzene	0.0050	U	75-71-8	Dichlorodifluoromethane	0.0050	U
107-06-2	1,2-Dichloroethane	0.0050	U	100-41-4	Ethylbenzene	0.0010	U
78-87-5	1,2-Dichloropropane	0.0050	U	98-82-8	Isopropylbenzene	0.0010	U
108-67-8	1,3,5-Trimethylbenzene	0.0010	U	136777612	m&p-Xylenes	0.0010	U
541-73-1	1,3-Dichlorobenzene	0.0050	U	75-09-2	Methylene Chloride	0.0050	U
142-28-9	1,3-Dichloropropane	0.0050	U	1634-04-4	Methyl-t-butyl ether	0.0010	U
106-46-7	1,4-Dichlorobenzene	0.0050	U	104-51-8	n-Butylbenzene	0.0010	U
123-91-1	1,4-Dioxane	0.25	U	103-65-1	n-Propylbenzene	0.0010	U
78-93-3	2-Butanone	0.0050	U	95-47-6	o-Xylene	0.0010	U
110-75-8	2-Chloroethylvinylether	0.0050	U	135-98-8	sec-Butylbenzene	0.0010	U
591-78-6	2-Hexanone	0.0050	U	100-42-5	Styrene	0.0050	U
99-87-6	4-Isopropyltoluene	0.0010	U	75-65-0	t-Butyl Alcohol	0.025	U
108-10-1	4-Methyl-2-Pentanone	0.0050	U	98-06-6	t-Butylbenzene	0.0010	U
67-64-1	Acetone	0.025	U	127-18-4	Tetrachloroethene	0.0050	U
107-02-8	Acrolein	0.025	U	108-88-3	Toluene	0.0010	U
107-13-1	Acrylonitrile	0.0050	U	156-60-5	trans-1,2-Dichloroethene	0.0050	U
71-43-2	Benzene	0.0010	U	10061-02-6	trans-1,3-Dichloropropene	0.0050	U
75-27-4	Bromodichloromethane	0.0050	U	79-01-6	Trichloroethene	0.0050	U
75-25-2	Bromoform	0.0050	U	75-69-4	Trichlorofluoromethane	0.0050	U
74-83-9	Bromomethane	0.0050	U	75-01-4	Vinyl Chloride	0.0050	U
75-15-0	Carbon Disulfide	0.0050	U				

Worksheet #: 151241

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

*U - Indicates the compound was analyzed but not detected.**B - Indicates the analyte was found in the blank as well as in the sample.**E - Indicates the analyte concentration exceeds the calibration range of the instrument.**R - Retention Time Out**J - Indicates an estimated value when a compound is detected at less than the specified detection limit.**d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.*

Form1eORGANICS VOLATILE REPORT
Tentatively Identified Compounds

Sample Number: DAILY BLANK	Matrix: Soil
Client Id:	Initial Vol: 5g
Data File: 1M57043.D	Final Vol: NA
Analysis Date: 05/07/10 06:48	Dilution: 1.00
Date Rec/Extracted:	Solids: 100
	Method: EPA 8260B

Units: mg/Kg

Cas #	Compound	RT	Conc
1	No Unknown Compounds Detected	0.00	0 J

Worksheet #: 151241

Total Tentatively Identified Concentration 0*A - Indicates an aldol condensate.**J - Indicates an estimated value.**B - Indicates the analyte was found in the blank as well as in the sample.**Y - Indicates the analyte was found in the blank at <10% of the concentration of the sample.**<10% - Indicates the analyte was found in the blank at < 10% of nearest Internal Standard*

Quantitation Report (QT/LSC Reviewed)

SampleID : DAILY BLANK Operator : SG Qt Meth : 1M_S0430.M
 Data File: 1M57043.D Sam Mult : 1 Vial# : 5 Qt On : 05/07/10 07:02
 Acq On : 05/ 7/10 06:48 Misc : S,5G Qt Upd On: 05/03/10 08:36

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-07-10\
 Qt Path : G:\GcMsData\2010\GCMS_1\MethodQt\
 Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
4) Fluorobenzene	4.615	96	106799	30.00	ug/l	0.01
48) Chlorobenzene-d5	6.447	117	92897	30.00	ug/l	0.01
63) 1,4-Dichlorobenzene-d4	7.866	152	65066	30.00	ug/l	0.01
System Monitoring Compounds						
33) Dibromofluoromethane	4.172	111	33207	35.63	ug/l	0.01
Spiked Amount	30.000		Recovery	=	118.77%	
35) 1,2-Dichloroethane-d4	4.408	102	5455	29.91	ug/l	0.02
Spiked Amount	30.000		Recovery	=	99.70%	
59) Toluene-d8	5.580	100	80097	29.38	ug/l	0.01
Spiked Amount	30.000		Recovery	=	97.93%	
67) Bromofluorobenzene	7.147	174	52814	26.87	ug/l	0.01
Spiked Amount	30.000		Recovery	=	89.57%	

Target Compounds Qvalue

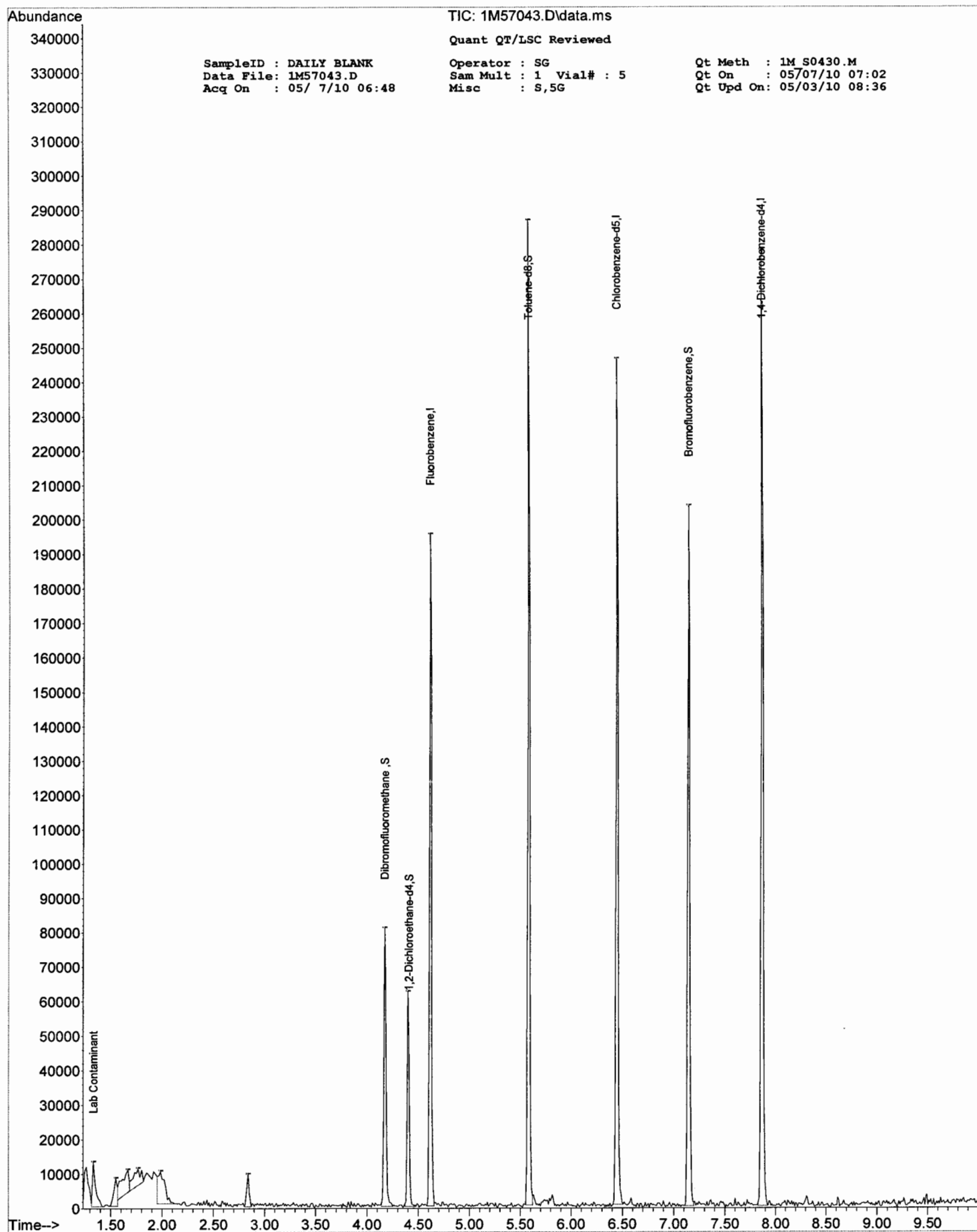
Library Search Internal Standards TIC Results

1) Fluorobenzene	4.615	262843	30.00	ug/l	--
2) Chlorobenzene-d5	6.447	329788	30.00	ug/l	--
3) 1,4-Dichlorobenzene-d4	7.866	381923	30.00	ug/l	--

Library Search Compounds

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data Path : G:\GcMsData\2010\GCMS_1\Data\05-07-10\
 Data File : 1M57043.D
 Acq On : 7 May 2010 6:48
 Operator : SG
 Sample : DAILY BLANK
 Misc : S,5G
 ALS Vial : 5 Sample Multiplier: 1

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 1000 Area counts

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0430.M
 Title : @GCMS_1,ug,624,8260

Signal : TIC: 1M57043.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.332	6	7	13	rVB	12850	27281	7.16%	1.379%
2	1.549	16	20	21	rBV2	8037	20901	5.49%	1.057%
3	1.667	21	27	28	rVV5	7165	35515	9.32%	1.796%
4	1.767	28	33	36	rVV5	4051	25761	6.76%	1.303%
5	1.985	44	46	54	rVB5	9281	40545	10.64%	2.050%
6	2.841	113	117	120	rVB	9287	15637	4.10%	0.791%
7	4.172	249	252	260	rVB	80596	121902	32.00%	6.164%
8	4.398	272	275	283	rVB	62187	86504	22.71%	4.374%
9	4.615	294	297	301	rBV	195056	260222	68.31%	13.158%
10	5.580	392	395	399	rBV	286047	352195	92.45%	17.808%
11	6.447	479	483	489	rBV	245616	325456	85.43%	16.456%
12	7.147	550	554	559	rBV	203277	284864	74.78%	14.404%
13	7.866	623	627	633	rVB	277507	380950	100.00%	19.262%

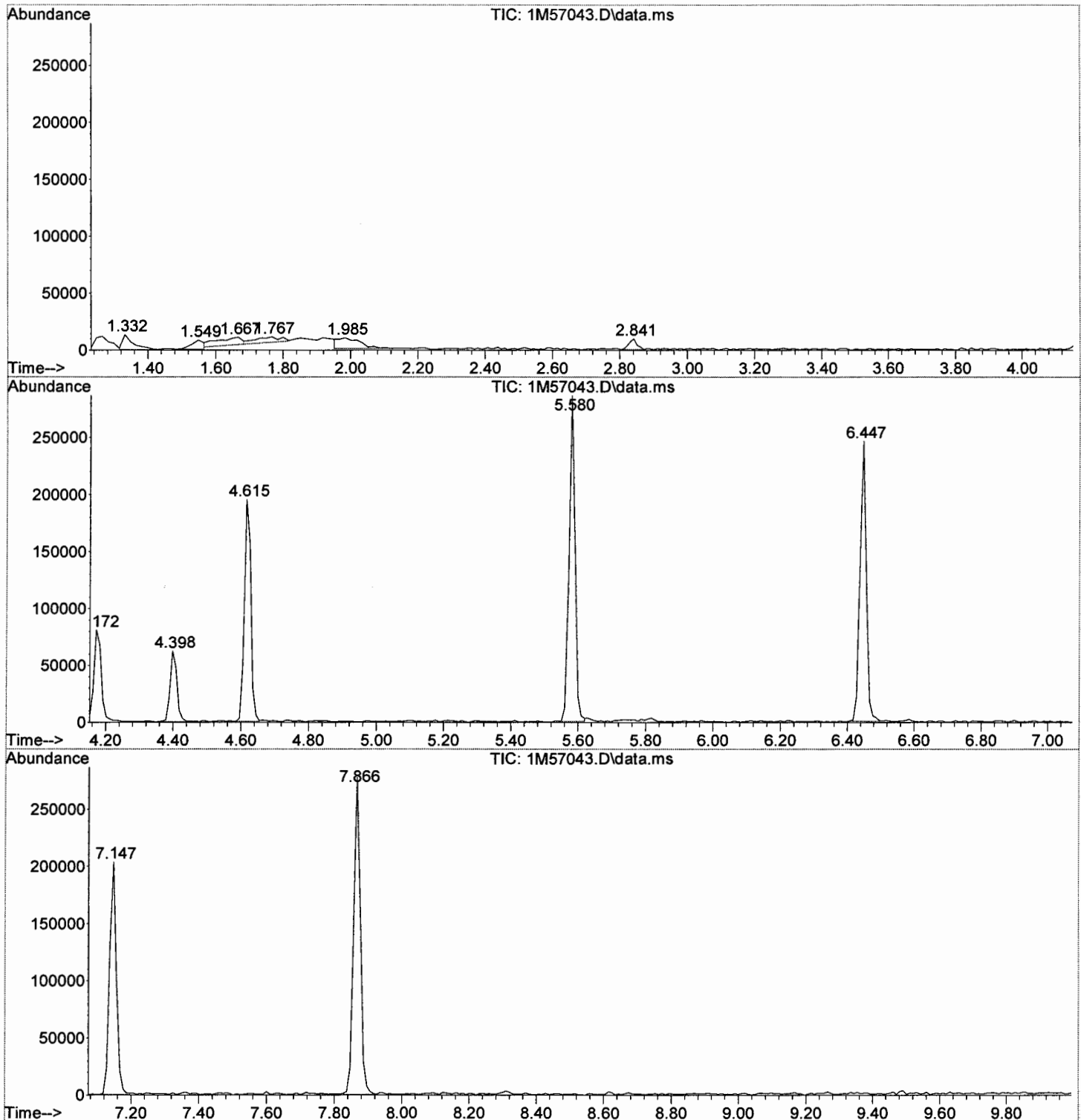
Sum of corrected areas: 1977733

LSC Report - Integrated Chromatogram

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-07-10\
Data File : 1M57043.D
Acq On : 7 May 2010 6:48
Operator : SG
Sample : DAILY BLANK
Misc : S,5G
ALS Vial : 5 Sample Multiplier: 1

Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0430.M
Quant Title : @GCMS_1,ug,624,8260

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-07-10\
 Data File : 1M57043.D
 Acq On : 7 May 2010 6:48
 Operator : SG
 Sample : DAILY BLANK
 Misc : S,5G
 ALS Vial : 5 Sample Multiplier: 1

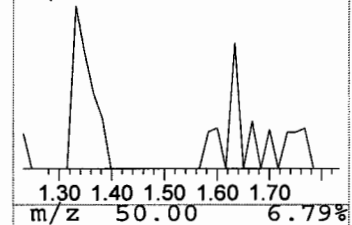
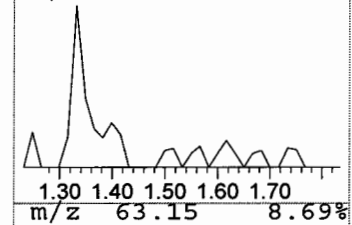
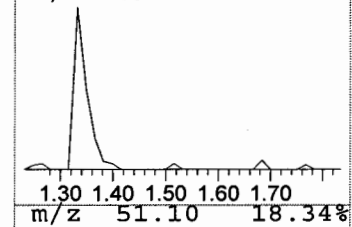
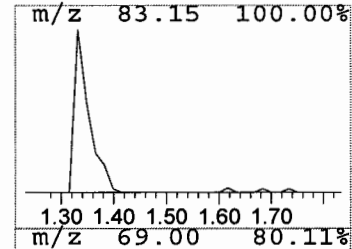
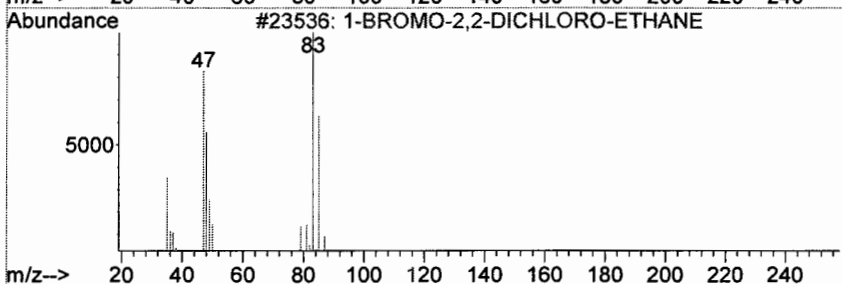
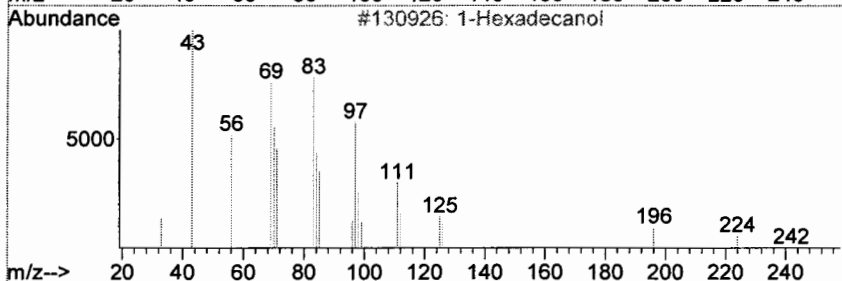
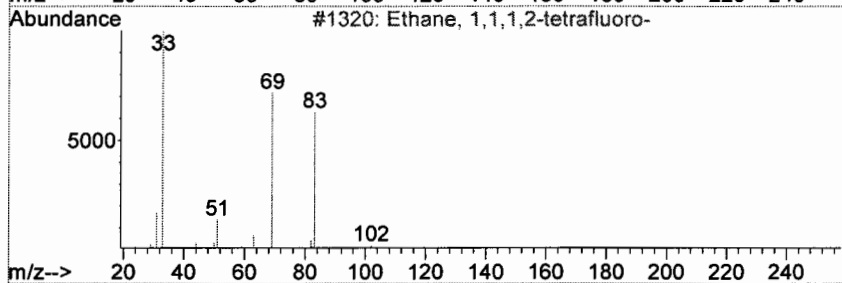
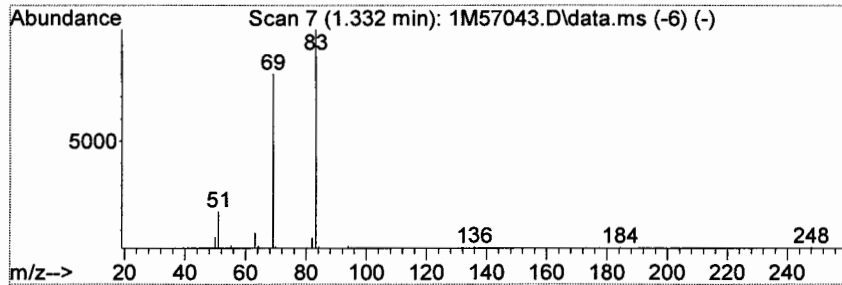
Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0430.M
 Quant Title : @GCMS_1,ug,624,8260

TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 1 Lab Contaminant Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.33	3.11 ug/l	27281	LibIS-Fluorobenzene	4.61

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Ethane, 1,1,1,2-tetrafluoro-	102	C2H2F4	000811-97-2	64
2			1-Hexadecanol	242	C16H34O	029354-98-1	4
3			1-BROMO-2,2-DICHLORO-ETHANE	176	C2H3BrCl2	000000-00-0	2
4			1-(1'-Methylcyclopentyl)-2-propy...	136	C9H12O	000000-00-0	3
5			2H-1-Benzopyran	132	C9H8O	000254-04-6	3



Data Path : G:\GcMsData\2010\GCMS_1\Data\05-07-10\
Data File : 1M57043.D
Acq On : 7 May 2010 6:48
Operator : SG
Sample : DAILY BLANK
Misc : S,5G
ALS Vial : 5 Sample Multiplier: 1

Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0430.M
Quant Title : @GCMS_1,ug,624,8260

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	-----Internal Standard-----				
					#	ExpRT	ActRt	Resp	Conc
Lab Contaminant	1.33	3.1	ug/l	27281	1	4.61	4.61	262843	30.0

Form1
ORGANICS VOLATILE REPORT

Sample Number: DAILY BLANK

Client Id:

Data File: 1M57098.D

Analysis Date: 05/10/10 08:05

Date Rec/Extracted:

Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B

Matrix: Soil

Initial Vol: 5g

Final Vol: NA

Dilution: 1.00

Solids: 100

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.0050	U	56-23-5	Carbon Tetrachloride	0.0050	U
79-34-5	1,1,2,2-Tetrachloroethane	0.0050	U	108-90-7	Chlorobenzene	0.0050	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0050	U	75-00-3	Chloroethane	0.0050	U
79-00-5	1,1,2-Trichloroethane	0.0050	U	67-66-3	Chloroform	0.0050	U
75-34-3	1,1-Dichloroethane	0.0050	U	74-87-3	Chloromethane	0.0050	U
75-35-4	1,1-Dichloroethene	0.0050	U	156-59-2	cis-1,2-Dichloroethene	0.0050	U
96-18-4	1,2,3-Trichloropropane	0.0050	U	10061-01-5	cis-1,3-Dichloropropene	0.0050	U
95-63-6	1,2,4-Trimethylbenzene	0.0010	U	124-48-1	Dibromochloromethane	0.0050	U
95-50-1	1,2-Dichlorobenzene	0.0050	U	75-71-8	Dichlorodifluoromethane	0.0050	U
107-06-2	1,2-Dichloroethane	0.0050	U	100-41-4	Ethylbenzene	0.0010	U
78-87-5	1,2-Dichloropropane	0.0050	U	98-82-8	Isopropylbenzene	0.0010	U
108-67-8	1,3,5-Trimethylbenzene	0.0010	U	136777612	m&p-Xylenes	0.0010	U
541-73-1	1,3-Dichlorobenzene	0.0050	U	75-09-2	Methylene Chloride	0.0050	U
142-28-9	1,3-Dichloropropane	0.0050	U	1634-04-4	Methyl-t-butyl ether	0.0010	U
106-46-7	1,4-Dichlorobenzene	0.0050	U	104-51-8	n-Butylbenzene	0.0010	U
123-91-1	1,4-Dioxane	0.25	U	103-65-1	n-Propylbenzene	0.0010	U
78-93-3	2-Butanone	0.0050	U	95-47-6	o-Xylene	0.0010	U
110-75-8	2-Chloroethylvinylether	0.0050	U	135-98-8	sec-Butylbenzene	0.0010	U
591-78-6	2-Hexanone	0.0050	U	100-42-5	Styrene	0.0050	U
99-87-6	4-Isopropyltoluene	0.0010	U	75-65-0	t-Butyl Alcohol	0.025	U
108-10-1	4-Methyl-2-Pentanone	0.0050	U	98-06-6	t-Butylbenzene	0.0010	U
67-64-1	Acetone	0.025	U	127-18-4	Tetrachloroethene	0.0050	U
107-02-8	Acrolein	0.025	U	108-88-3	Toluene	0.0010	U
107-13-1	Acrylonitrile	0.0050	U	156-60-5	trans-1,2-Dichloroethene	0.0050	U
71-43-2	Benzene	0.0010	U	10061-02-6	trans-1,3-Dichloropropene	0.0050	U
75-27-4	Bromodichloromethane	0.0050	U	79-01-6	Trichloroethene	0.0050	U
75-25-2	Bromoform	0.0050	U	75-69-4	Trichlorofluoromethane	0.0050	U
74-83-9	Bromomethane	0.0050	U	75-01-4	Vinyl Chloride	0.0050	U
75-15-0	Carbon Disulfide	0.0050	U				

Worksheet #: 151241

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

*U - Indicates the compound was analyzed but not detected.**B - Indicates the analyte was found in the blank as well as in the sample.**E - Indicates the analyte concentration exceeds the calibration range of the instrument.**R - Retention Time Out**J - Indicates an estimated value when a compound is detected at less than the specified detection limit.**d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.*

Form1eORGANICS VOLATILE REPORT
Tentatively Identified Compounds

Sample Number: DAILY BLANK	Matrix: Soil
Client Id:	Initial Vol: 5g
Data File: 1M57098.D	Final Vol: NA
Analysis Date: 05/10/10 08:05	Dilution: 1.00
Date Rec/Extracted:	Solids: 100
	Method: EPA 8260B

Units: mg/Kg

Cas #	Compound	RT	Conc
1	No Unknown Compounds Detected	0.00	0J

Worksheet #: 151241

Total Tentatively Identified Concentration 0*A - Indicates an aldol condensate.**J - Indicates an estimated value.**B - Indicates the analyte was found in the blank as well as in the sample.**Y - Indicates the analyte was found in the blank at <10% of the concentration of the sample.**<10% - Indicates the analyte was found in the blank at < 10% of nearest Internal Standard*

Quantitation Report (QT/LSC Reviewed)

SampleID : DAILY BLANK Operator : WP Qt Meth : 1M_S0430.M
 Data File: 1M57098.D Sam Mult : 1 Vial# : 29 Qt On : 05/10/10 08:24
 Acq On : 05/10/10 08:05 Misc : S,5G Qt Upd On: 05/03/10 08:36

Data Path : G:\GCMSData\2010\GCMS_1\Data\05-10-10\
 Qt Path : G:\GCMSData\2010\GCMS_1\MethodQt\
 Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.595	96	102063	30.00	ug/l	0.00
48) Chlorobenzene-d5	6.427	117	78314	30.00	ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.846	152	47987	30.00	ug/l	0.00
System Monitoring Compounds						
33) Dibromofluoromethane	4.142	111	29648	33.29	ug/l	-0.02
Spiked Amount 30.000			Recovery	=	110.97%	
35) 1,2-Dichloroethane-d4	4.368	102	5402	31.00	ug/l	-0.02
Spiked Amount 30.000			Recovery	=	103.33%	
59) Toluene-d8	5.560	100	71038	30.91	ug/l	0.00
Spiked Amount 30.000			Recovery	=	103.03%	
67) Bromofluorobenzene	7.127	174	44147	30.46	ug/l	0.00
Spiked Amount 30.000			Recovery	=	101.53%	

Target Compounds Qvalue

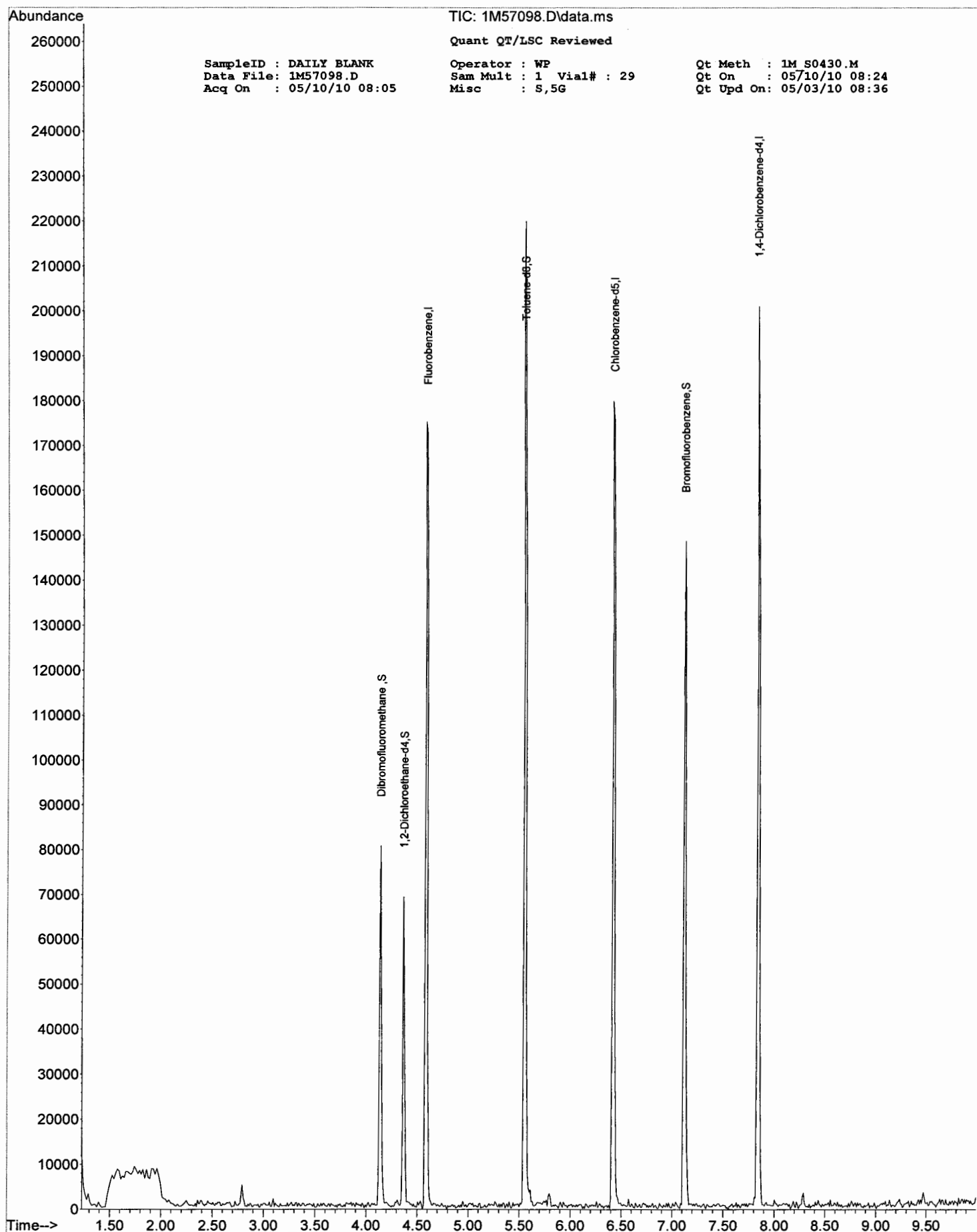
Library Search Internal Standards TIC Results

1) Fluorobenzene	4.585	256958	30.00	ug/l	--
2) Chlorobenzene-d5	6.417	271426	30.00	ug/l	--
3) 1,4-Dichlorobenzene-d4	7.846	284159	30.00	ug/l	--

Library Search Compounds

(#) = qualifier out of range (m) = manual integration (+) = signals summed

10e



LSC Area Percent Report

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-10-10\
 Data File : 1M57098.D
 Acq On : 10 May 2010 8:05
 Operator : WP
 Sample : DAILY BLANK
 Misc : S,5G
 ALS Vial : 29 Sample Multiplier: 1

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 1000 Area counts

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0430.M

Title : @GCMS_1,ug,624,8260

Signal : TIC: 1M57098.D\data.ms

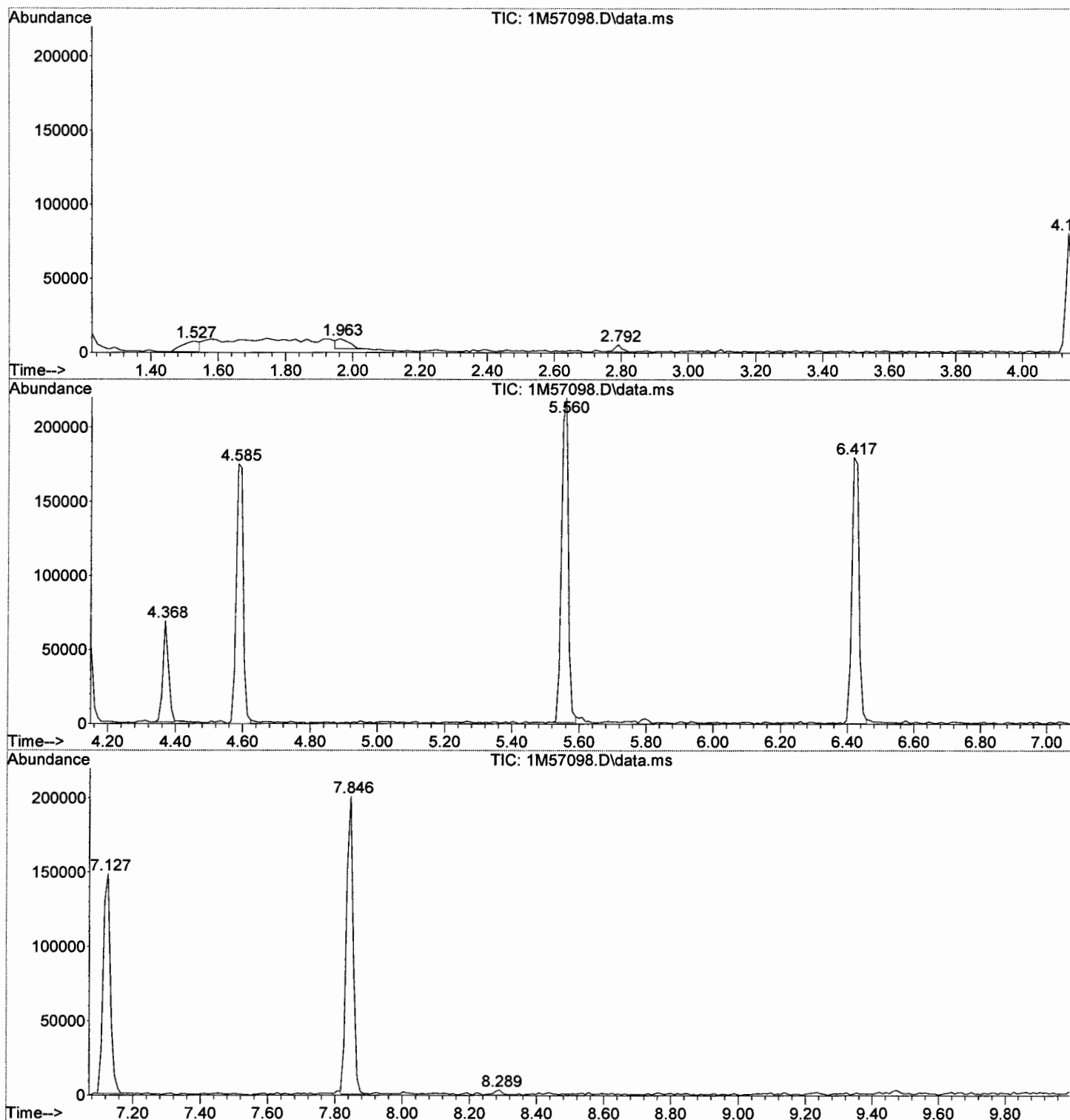
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.527	15	19	20	rBV2	7045	26318	8.60%	1.672%
2	1.963	44	45	49	rVB	6670	15656	5.12%	0.995%
3	2.792	109	113	116	rVB	4785	7279	2.38%	0.463%
4	4.142	246	250	255	rBV	79931	108361	35.41%	6.886%
5	4.368	270	273	276	rBV	68386	79484	25.97%	5.051%
6	4.585	292	295	299	rBV	175248	254712	83.23%	16.186%
7	5.560	390	394	397	rBV	218834	306045	100.00%	19.448%
8	6.417	478	481	485	rBV	179745	268789	87.83%	17.080%
9	7.127	550	553	557	rVB	147613	219170	71.61%	13.927%
10	7.846	623	626	632	rVB	200248	281510	91.98%	17.889%
11	8.289	666	671	674	rBV	3458	6358	2.08%	0.404%

Sum of corrected areas: 1573682

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-10-10\
Data File : 1M57098.D
Acq On : 10 May 2010 8:05
Operator : WP
Sample : DAILY BLANK
Misc : S,5G
ALS Vial : 29 Sample Multiplier: 1

Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0430.M
Quant Title : @GCMS_1,ug,624,8260

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P



Tentatively Identified Compound (LSC) summary

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-10-10\
Data File : 1M57098.D
Acq On : 10 May 2010 8:05
Operator : WP
Sample : DAILY BLANK
Misc : S,5G
ALS Vial : 29 Sample Multiplier: 1

Quant Method : G:\GcMsData\2010\GCMS_1\MethodQt\1M_S0430.M
Quant Title : @GCMS_1,ug,624,8260

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	-----Internal Standard-----			
					#	ExpRT	ActRt	Resp

No Library Search Compounds Detected

Form3

MBS Data

Method: 8260

				Data File:====> 1M57012.D				1M57046.D				1M57103.D				1M57127.D							
				Data/Batch/Sample ID:====> MBS15943-So				MBS15952-So				MBS15984-So				MBS15994-So							
				Date/Time:====> 05/06/10 10:58				05/07/10 07:37				05/10/10 09:28				05/10/10 15:57							
Compound	Limit(s)		Col	Mr	Conc			Conc			Conc			Conc			Conc			Conc			% Rec
	Soil	Aq			Conc	Exp	Rec	Conc	Exp	Rec	Conc	Exp	Rec	Conc	Exp	Rec	Conc	Exp	Rec	Conc	Exp	Rec	
1,1-Dichloroethane	14-127		1	0	43.16	50	86	44.41	50	89	35.78	50	72	47.76	50	96							
1,1-Dichloroethene	8-114		1	0	38.4	50	77	40.76	50	82	33.31	50	67	44.34	50	89							
1,2-Dichlorobenzen	19-113		1	0	32.26	50	65	38.23	50	76	32.19	50	64	44.49	50	89							
1,2-Dichloroethane	18-130		1	0	51.46	50	103	54.87	50	110	43.7	50	87	56.64	50	113							
1,4-Dichlorobenzen	20-110		1	0	32.72	50	65	37.28	50	75	29.02	50	58	43.92	50	88							
2-Butanone	4-141		1	0	47.17	50	94	49.48	50	99	39.41	50	79	60.81	50	122							
Benzene	21-122		1	0	41.34	50	83	42.98	50	86	36.62	50	73	47.33	50	95							
Carbon Tetrachlorid	19-122		1	0	46.14	50	92	52.11	50	104	43.07	50	86	53.93	50	108							
Chlorobenzene	21-117		1	0	38.81	50	78	41.74	50	83	35.71	50	71	44.95	50	90							
Chloroform	26-119		1	0	39.53	50	79	45.08	50	90	36.12	50	72	46.87	50	94							
n-Propylbenzene	16-122		1	0	34.13	50	68	38.81	50	78	37.26	50	75	48.41	50	97							
sec-Butylbenzene	9-125		1	0	36.9	50	74	41.53	50	83	41.86	50	84	50.91	50	102							
Tetrachloroethene	18-116		1	0	44.49	50	89	49.6	50	99	39.16	50	78	54.82	50	110							
Toluene	19-128		1	0	42.05	50	84	45.99	50	92	40.23	50	80	51.24	50	102							
Trichloroethene	21-116		1	0	47.79	50	96	50.79	50	102	39.88	50	80	53.21	50	106							
Vinyl Chloride	6-117		1	0	48.17	50	96	46.39	50	93	43.8	50	88	43.48	50	87							

Flags/Notes:

* - Values outside of limits for this column/run

SampleID : MBS
Data File: 1MS7012.D
Acq On : 05/ 6/10 10:58

Operator : WP
Sam Mult : 1 Vial# : 12
Misc : S,5G

Qt Meth : 1M_S0430.M
Qt On : 05/06/10 12:40
Qt Upd On: 05/03/10 08:36

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-06-10\
Qt Path : G:\GcMsData\2010\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.624	96	109046	30.00	ug/l	0.02
48) Chlorobenzene-d5	6.457	117	93526	30.00	ug/l	0.02
63) 1,4-Dichlorobenzene-d4	7.876	152	69347	30.00	ug/l	0.02
System Monitoring Compounds						
33) Dibromofluoromethane	4.181	111	30915	32.49	ug/l	0.02
Spiked Amount 30.000			Recovery	=	108.30%	
35) 1,2-Dichloroethane-d4	4.408	102	5296	28.44	ug/l	0.02
Spiked Amount 30.000			Recovery	=	94.80%	
59) Toluene-d8	5.590	100	79077	28.81	ug/l	0.02
Spiked Amount 30.000			Recovery	=	96.03%	
67) Bromofluorobenzene	7.157	174	60088	28.69	ug/l	0.02
Spiked Amount 30.000			Recovery	=	95.63%	
Target Compounds						
5) Chlorodifluoromethane	1.410	51	128826	58.50	ug/l	1
6) Dichlorodifluoromethane	1.410	85	35560	24.06	ug/l	96
7) Chloromethane	1.527	50	57156	42.44	ug/l	97
8) Bromomethane	1.845	94	26834	37.74	ug/l	99
9) Vinyl Chloride	1.611	62	51326	48.17	ug/l	95
10) Chloroethane	1.929	64	26537	36.48	ug/l	91
11) Trichlorofluoromethane	2.113	101	93525	45.39	ug/l	95
12) 1,1,2-Trichloro-1,2,2-...	2.496	101	56673	56.89	ug/l	98
13) Methylene Chloride	2.841	84	51450	39.38	ug/l	86
14) Acrolein	2.408	56	16520	173.58	ug/l	89
15) Acrylonitrile	3.019	53	7065	28.91	ug/l	92
16) Iodomethane	2.615	142	80151	35.37	ug/l	69
17) Acetone	2.516	43	40714	227.15	ug/l	97
18) Carbon Disulfide	2.674	76	164389	41.08	ug/l	100
19) t-Butyl Alcohol	2.910	59	5624	187.30	ug/l	69
20) n-Hexane	3.285	57	84401	49.95	ug/l	89
21) Di-isopropyl-ether	3.442	45	192362	41.21	ug/l	82
22) 1,1-Dichloroethene	2.496	61	89258	38.40	ug/l	95
23) Methyl Acetate	2.762	43	26437	43.17	ug/l	100
24) Methyl-t-butyl ether	3.068	73	63533	37.40	ug/l	89
25) 1,1-Dichloroethane	3.393	63	107824	43.16	ug/l	99
26) trans-1,2-Dichloroethene	3.068	96	53365	43.20	ug/l	76
27) cis-1,2-Dichloroethene	3.856	61	95270	40.76	ug/l	99
28) Bromochloromethane	4.024	49	48123	38.84	ug/l	81
29) 2,2-Dichloropropane	3.856	77	74833	42.41	ug/l	93
30) 1,4-Dioxane	5.068	88	12121	2175.52	ug/l	85
31) 1,1-Dichloropropene	4.329	75	90981	46.85	ug/l	98
32) Chloroform	4.073	83	98854	39.53	ug/l	99
34) Cyclohexane	4.270	56	125425	52.43	ug/l	87
36) 1,2-Dichloroethane	4.457	62	72520	51.46	ug/l	96
37) 2-Butanone	3.856	43	14688	47.17	ug/l	77
38) 1,1,1-Trichloroethane	4.221	97	86836	44.84	ug/l	97
39) Carbon Tetrachloride	4.339	117	82459	46.14	ug/l	77
40) Vinyl Acetate	3.442	43	149255	37.47	ug/l	100
41) Bromodichloromethane	5.147	83	75908	39.56	ug/l	93
42) Methylcyclohexane	4.989	83	107039	52.60	ug/l	81
43) Dibromomethane	5.058	174	44096	44.53	ug/l	89
44) 1,2-Dichloropropane	4.989	63	57339	39.86	ug/l	94
45) Trichloroethene	4.851	130	69989	47.79	ug/l	94
46) Benzene	4.457	78	230225	41.34	ug/l	100
47) tert-Amyl methyl ether	4.516	73	59851	35.84	ug/l	95
49) Dibromochloromethane	6.102	129	49163	36.42	ug/l	96
50) 2-Chloroethylvinylether	5.314	63	20235	32.72	ug/l	84
51) cis-1,3-Dichloropropene	5.413	75	74918	34.59	ug/l	93
52) trans-1,3-Dichloropropene	5.738	75	58102	33.92	ug/l	95
53) 1,1,2-Trichloroethane	5.856	97	33219	35.24	ug/l	89
54) 1,2-Dibromoethane	6.181	107	34503	34.90	ug/l	89
55) 1,3-Dichloropropane	5.955	76	66460	36.40	ug/l	94
56) 4-Methyl-2-Pentanone	5.491	43	31034	32.92	ug/l	97
57) 2-Hexanone	5.984	43	19503	33.42	ug/l	87
58) Tetrachloroethene	5.964	164	76391	44.49	ug/l	93
60) Toluene	5.629	92	144766	42.05	ug/l	93
61) 1,1,1,2-Tetrachloroethane	6.516	133	54972	39.09	ug/l	91
62) Chlorobenzene	6.477	112	164010	38.81	ug/l	96
64) Bromoform	6.969	173	36688	30.59	ug/l	96
65) Ethylbenzene	6.526	106	71432	37.95	ug/l	96
66) 1,1,2,2-Tetrachloroethane	7.206	83	39382	30.44	ug/l	83
68) Styrene	6.841	104	151554	33.77	ug/l	96
69) m&p-Xylenes	6.595	106	218659	75.71	ug/l	87

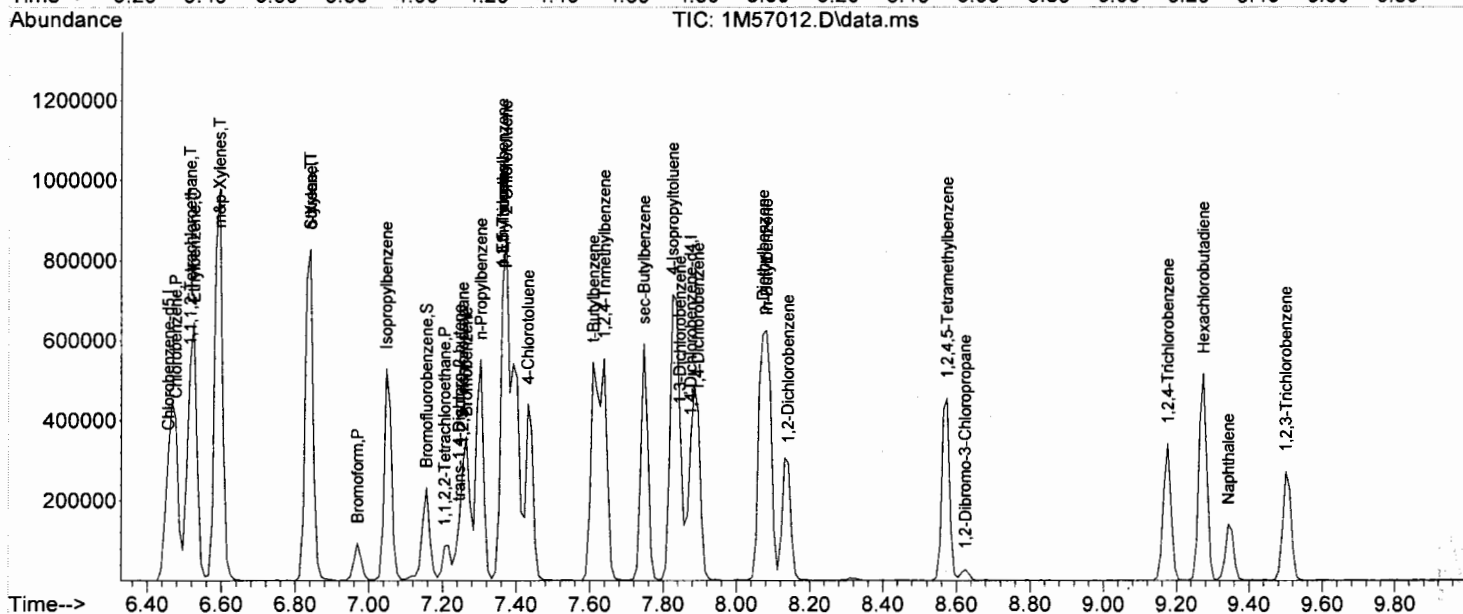
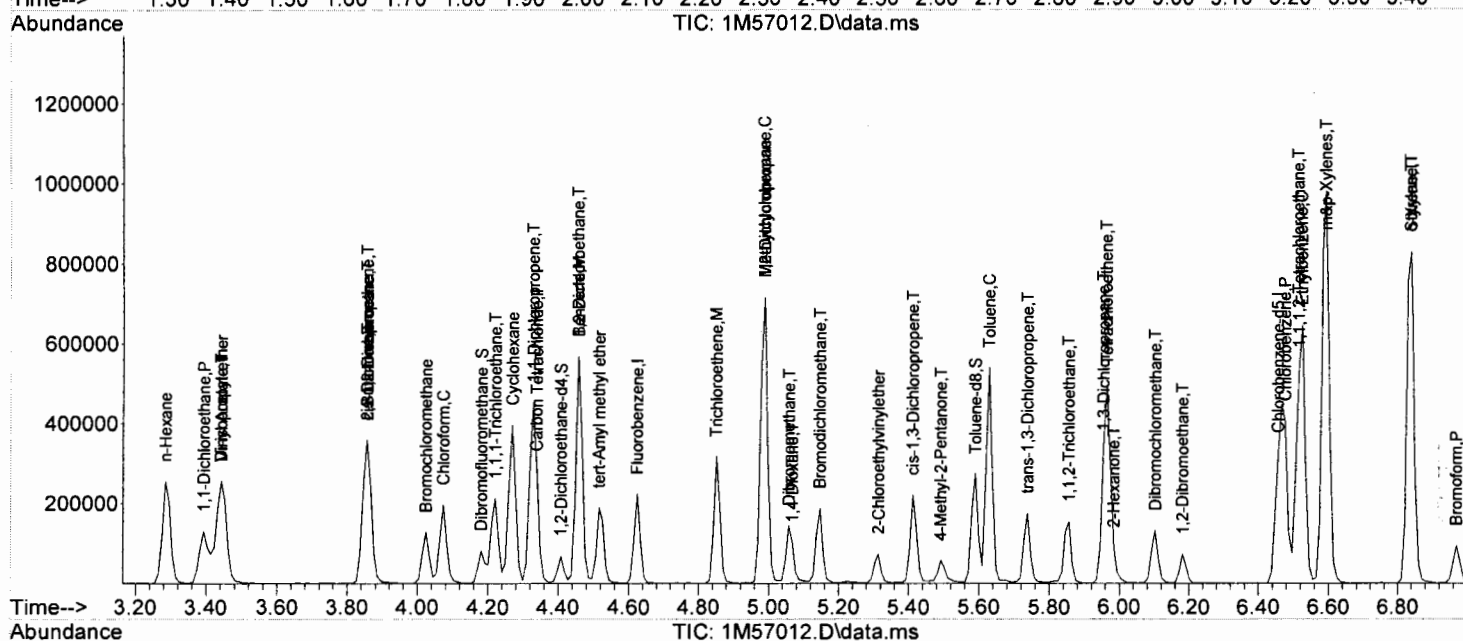
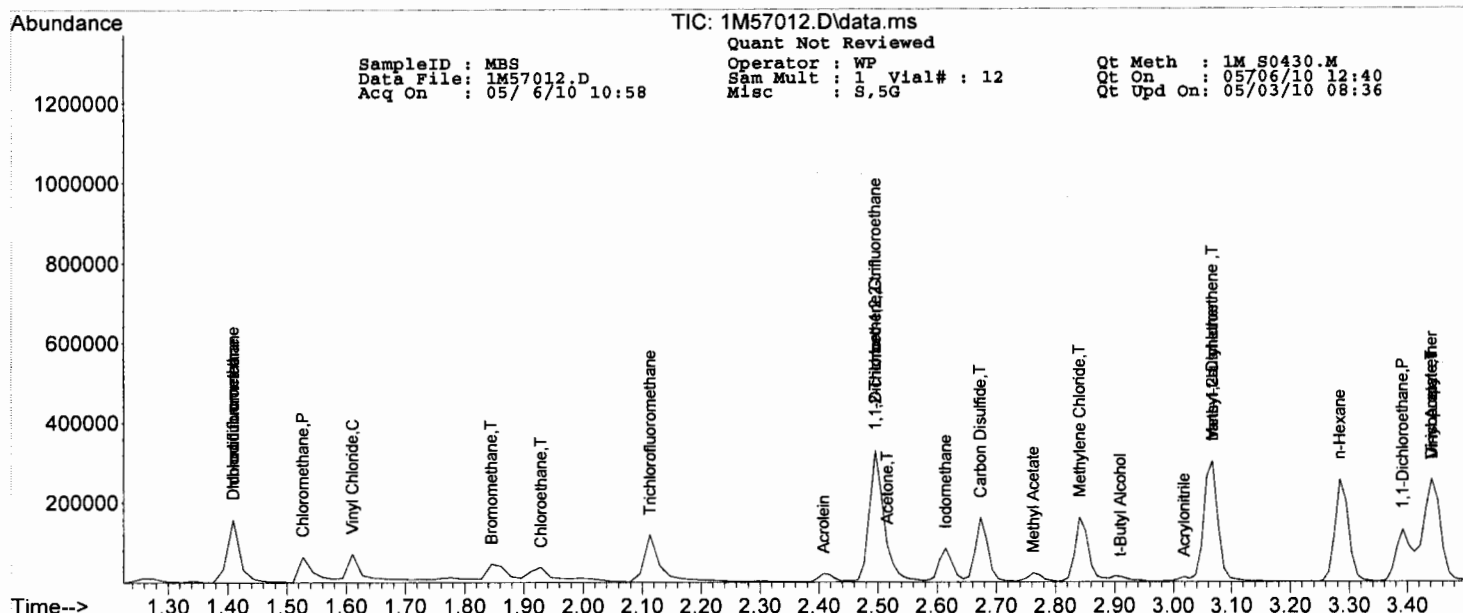
Quantitation Report (Not Reviewed)

SampleID : MBS Operator : WP Qt Meth : 1M_S0430.M
 Data File: 1M57012.D Sam Mult : 1 Vial# : 12 Qt On : 05/06/10 12:40
 Acq On : 05/ 6/10 10:58 Misc : S,5G Qt Upd On: 05/03/10 08:36

Data Path : G:\GCMSData\2010\GCMS_1\Data\05-06-10\
 Qt Path : G:\GCMSData\2010\GCMS_1\MethodQt\
 Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) o-Xylene	6.841	106	99607	35.64	ug/l	95
71) trans-1,4-Dichloro-2-b...	7.245	53	14322	28.04	ug/l	72
72) 1,3-Dichlorobenzene	7.846	146	141246	34.34	ug/l	98
73) 1,4-Dichlorobenzene	7.895	146	139317	32.72	ug/l	97
74) 1,2-Dichlorobenzene	8.142	146	121216	32.26	ug/l	98
75) Isopropylbenzene	7.048	105	264415	33.80	ug/l	99
77) 1,2,3-Trichloropropane	7.255	75	47336	29.25	ug/l	96
78) 2-Chlorotoluene	7.373	91	164992	34.91	ug/l	99
79) p-Ethyltoluene	7.363	105	275898	30.81	ug/l	92
80) 4-Chlorotoluene	7.432	91	153984	33.45	ug/l	99
81) n-Propylbenzene	7.304	91	339587	34.13	ug/l	96
82) Bromobenzene	7.265	77	145635	31.59	ug/l	93
83) 1,3,5-Trimethylbenzene	7.363	105	275898	41.79	ug/l	65
84) t-Butylbenzene	7.610	119	231484	35.89	ug/l	98
85) 1,2,4-Trimethylbenzene	7.639	105	241743	36.60	ug/l	95
86) sec-Butylbenzene	7.748	105	310497	36.90	ug/l	98
87) 4-Isopropyltoluene	7.826	119	254919	37.98	ug/l	98
88) n-Butylbenzene	8.083	91	298134	35.97	ug/l	98
89) p-Diethylbenzene	8.073	119	139379	30.85	ug/l	91
90) 1,2,4,5-Tetramethylben...	8.575	119	217040	33.14	ug/l	96
91) 1,2-Dibromo-3-Chloropr...	8.624	157	7345	27.18	ug/l	99
92) Hexachlorobutadiene	9.275	225	121691	30.34	ug/l	98
93) 1,2,4-Trichlorobenzene	9.176	180	107085	30.84	ug/l	95
94) 1,2,3-Trichlorobenzene	9.501	180	96600	30.72	ug/l	96
95) Naphthalene	9.344	128	103317	29.03	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed



SampleID : MBS Operator : SG Qt Meth : 1M_S0430.M
 Data File: 1M57046.D Sam Mult : 1 Vial# : 8 Qt On : 05/07/10 07:53
 Acq On : 05/ 7/10 07:37 Misc : S,5G Qt Upd On: 05/03/10 08:36

Data Path : G:\GCMSData\2010\GCMS_1\Data\05-07-10\
 Qt Path : G:\GCMSData\2010\GCMS_1\MethodQt\
 Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.614	96	111735	30.00	ug/l	0.01
48) Chlorobenzene-d5	6.447	117	96333	30.00	ug/l	0.01
63) 1,4-Dichlorobenzene-d4	7.866	152	74301	30.00	ug/l	0.01
System Monitoring Compounds						
33) Dibromofluoromethane	4.171	111	31910	32.72	ug/l	0.01
Spiked Amount 30.000			Recovery =	109.07%		
35) 1,2-Dichloroethane-d4	4.408	102	5321	27.89	ug/l	0.02
Spiked Amount 30.000			Recovery =	92.97%		
59) Toluene-d8	5.580	100	79956	28.29	ug/l	0.01
Spiked Amount 30.000			Recovery =	94.30%		
67) Bromofluorobenzene	7.146	174	64417	28.70	ug/l	0.01
Spiked Amount 30.000			Recovery =	95.67%		
Target Compounds						
6) Dichlorodifluoromethane	1.398	85	31710	20.94	ug/l	97
7) Chloromethane	1.515	50	55116	39.94	ug/l	94
8) Bromomethane	1.850	94	27218	37.35	ug/l	95
9) Vinyl Chloride	1.599	62	50645	46.39	ug/l	94
10) Chloroethane	1.917	64	30389	40.77	ug/l	93
11) Trichlorofluoromethane	2.102	101	115598	54.75	ug/l	98
12) 1,1,2-Trichloro-1,2,2-...	2.486	101	55895	54.76	ug/l	90
13) Methylene Chloride	2.831	84	56952	42.54	ug/l	95
14) Acrolein	2.398	56	16561	169.83	ug/l	90
15) Acrylonitrile	3.009	53	11043	44.10	ug/l	86
16) Iodomethane	2.605	142	91965	39.60	ug/l	67
17) Acetone	2.506	43	44981	244.92	ug/l	93
18) Carbon Disulfide	2.664	76	174991	42.67	ug/l	100
19) t-Butyl Alcohol	2.900	59	6832	222.05	ug/l	72
20) n-Hexane	3.275	57	92350	53.34	ug/l	89
21) Di-isopropyl-ether	3.432	45	206535	43.18	ug/l	87
22) 1,1-Dichloroethene	2.486	61	97093	40.76	ug/l	99
23) Methyl Acetate	2.752	43	28468	45.37	ug/l	100
24) Methyl-t-butyl ether	3.058	73	71386	41.01	ug/l	85
25) 1,1-Dichloroethane	3.383	63	113676	44.41	ug/l	98
26) trans-1,2-Dichloroethene	3.058	96	56157	44.36	ug/l	81
27) cis-1,2-Dichloroethene	3.846	61	107468	44.87	ug/l	94
28) Bromochloromethane	4.013	49	51798	40.80	ug/l	80
29) 2,2-Dichloropropane	3.846	77	83970	46.45	ug/l	91
30) 1,4-Dioxane	5.048	88	13234	2318.12	ug/l	44
31) 1,1-Dichloropropene	4.319	75	101197	50.85	ug/l	95
32) Chloroform	4.063	83	115496	45.08	ug/l	96
34) Cyclohexane	4.260	56	132242	53.95	ug/l	88
36) 1,2-Dichloroethane	4.447	62	79234	54.87	ug/l	98
37) 2-Butanone	3.836	43	15788	49.48	ug/l	83
38) 1,1,1-Trichloroethane	4.211	97	95702	48.23	ug/l	85
39) Carbon Tetrachloride	4.329	117	95434	52.11	ug/l	86
40) Vinyl Acetate	3.432	43	158350	38.80	ug/l	100
41) Bromodichloromethane	5.137	83	83591	42.52	ug/l	94
42) Methylcyclohexane	4.979	83	125553	60.21	ug/l	77
43) Dibromomethane	5.048	174	49354	48.64	ug/l	92
44) 1,2-Dichloropropane	4.979	63	64884	44.02	ug/l	89
45) Trichloroethene	4.841	130	76221	50.79	ug/l	94
46) Benzene	4.447	78	245258	42.98	ug/l	100
47) tert-Amyl methyl ether	4.516	73	71021	41.50	ug/l	87
49) Dibromochloromethane	6.092	129	58787	42.28	ug/l	90
50) 2-Chloroethylvinylether	5.304	63	19789	31.06	ug/l	84
51) cis-1,3-Dichloropropene	5.403	75	84575	37.91	ug/l	93
52) trans-1,3-Dichloropropene	5.728	75	65532	37.14	ug/l	92
53) 1,1,2-Trichloroethane	5.846	97	38045	39.19	ug/l	89
54) 1,2-Dibromoethane	6.171	107	39521	38.81	ug/l	98
55) 1,3-Dichloropropane	5.944	76	74107	39.40	ug/l	96
56) 4-Methyl-2-Pentanone	5.481	43	33146	34.14	ug/l	98
57) 2-Hexanone	5.974	43	24644	41.00	ug/l	91
58) Tetrachloroethene	5.954	164	87724	49.60	ug/l	94
60) Toluene	5.619	92	163058	45.99	ug/l	99
61) 1,1,1,2-Tetrachloroethane	6.506	133	60918	42.05	ug/l	92
62) Chlorobenzene	6.467	112	181688	41.74	ug/l	97
64) Bromoform	6.959	173	43235	33.65	ug/l	89
65) Ethylbenzene	6.516	106	82032	40.68	ug/l	98
66) 1,1,2,2-Tetrachloroethane	7.196	83	45559	32.86	ug/l	85
68) Styrene	6.831	104	179621	37.36	ug/l	99
69) m&p-Xylenes	6.585	106	243363	78.65	ug/l	94
70) o-Xylene	6.831	106	116506	38.91	ug/l	96

Quantitation Report (Not Reviewed)

SampleID : MBS Operator : SG Qt Meth : 1M_S0430.M
 Data File: 1M57046.D Sam Mult : 1 Vial# : 8 Qt On : 05/07/10 07:53
 Acq On : 05/ 7/10 07:37 Misc : S,5G Qt Upd On: 05/03/10 08:36

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-07-10\
 Qt Path : G:\GcMsData\2010\GCMS_1\MethodQt\
 Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) trans-1,4-Dichloro-2-b...	7.235	53	16979	31.02	ug/l	75
72) 1,3-Dichlorobenzene	7.826	146	175179	39.76	ug/l	99
73) 1,4-Dichlorobenzene	7.885	146	170070	37.28	ug/l	99
74) 1,2-Dichlorobenzene	8.122	146	153924	38.23	ug/l	98
75) Isopropylbenzene	7.038	105	315476	37.64	ug/l	97
76) Cyclohexanone	7.117	55	5829	203.84	ug/l	91
77) 1,2,3-Trichloropropane	7.245	75	57644	33.25	ug/l	92
78) 2-Chlorotoluene	7.363	91	209600	41.39	ug/l	98
79) p-Ethyltoluene	7.353	105	336530	35.07	ug/l	98
80) 4-Chlorotoluene	7.422	91	176704	35.83	ug/l	99
81) n-Propylbenzene	7.294	91	413721	38.81	ug/l	97
82) Bromobenzene	7.255	77	165440	33.49	ug/l	96
83) 1,3,5-Trimethylbenzene	7.393	105	273244	38.63	ug/l	37
84) t-Butylbenzene	7.600	119	277284	40.12	ug/l	95
85) 1,2,4-Trimethylbenzene	7.629	105	300192	42.42	ug/l	99
86) sec-Butylbenzene	7.738	105	374403	41.53	ug/l	97
87) 4-Isopropyltoluene	7.816	119	315116	43.82	ug/l	99
88) n-Butylbenzene	8.073	91	372806	41.98	ug/l	98
89) p-Diethylbenzene	8.053	119	181542	37.51	ug/l	96
90) 1,2,4,5-Tetramethylben...	8.555	119	274656	39.14	ug/l	99
91) 1,2-Dibromo-3-Chloropr...	8.614	157	9250	31.95	ug/l	96
92) Hexachlorobutadiene	9.265	225	158828	36.95	ug/l	97
93) 1,2,4-Trichlorobenzene	9.166	180	134786	36.23	ug/l	97
94) 1,2,3-Trichlorobenzene	9.491	180	118108	35.05	ug/l	93
95) Naphthalene	9.334	128	129357	33.92	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

SampleID : MBS
Data File: 1M57103.D
Acq On : 05/10/10 09:28

Operator : WP
Sam Mult : 1 Vial# : 34
Misc : S,5G

Qt Meth : 1M_S0430.M
Qt On : 05/10/10 09:43
Qt Upd On: 05/03/10 08:36

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-10-10\
Qt Path : G:\GcMsData\2010\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.594	96	108363	30.00	ug/l	0.00
48) Chlorobenzene-d5	6.427	117	84311	30.00	ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.845	152	53250	30.00	ug/l	0.00
System Monitoring Compounds						
33) Dibromofluoromethane	4.141	111	28623	30.27	ug/l	-0.02
Spiked Amount 30.000			Recovery	=	100.90%	
35) 1,2-Dichloroethane-d4	4.377	102	5016	27.11	ug/l	0.00
Spiked Amount 30.000			Recovery	=	90.37%	
59) Toluene-d8	5.560	100	72905	29.47	ug/l	0.00
Spiked Amount 30.000			Recovery	=	98.23%	
67) Bromofluorobenzene	7.126	174	50709	31.53	ug/l	0.00
Spiked Amount 30.000			Recovery	=	105.10%	
Target Compounds						
						Qvalue
5) Chlorodifluoromethane	1.360	51	128946	58.92	ug/l	1
6) Dichlorodifluoromethane	1.360	85	38857	26.46	ug/l	100
7) Chloromethane	1.477	50	55855	41.73	ug/l	98
8) Bromomethane	1.795	94	23136	32.74	ug/l	99
9) Vinyl Chloride	1.561	62	46374	43.80	ug/l	100
10) Chloroethane	1.879	64	24314	33.64	ug/l	100
11) Trichlorofluoromethane	2.064	101	90009	43.95	ug/l	97
12) 1,1,2-Trichloro-1,2,2-...	2.446	101	47545	48.03	ug/l	95
13) Methylene Chloride	2.791	84	45915	35.36	ug/l	99
14) Acrolein	2.358	56	8462	89.47	ug/l	88
15) Acrylonitrile	2.968	53	5997	24.70	ug/l	69
16) Iodomethane	2.565	142	71022	31.53	ug/l	63
17) Acetone	2.466	43	36243	203.48	ug/l	97
18) Carbon Disulfide	2.624	76	143710	36.14	ug/l	100
19) t-Butyl Alcohol	2.850	59	5610	188.01	ug/l	40
20) n-Hexane	3.234	57	78951	47.02	ug/l	90
21) Di-isopropyl-ether	3.392	45	166169	35.82	ug/l	88
22) 1,1-Dichloroethene	2.446	61	76943	33.31	ug/l	94
23) Methyl Acetate	2.712	43	23459	38.55	ug/l	100
24) Methyl-t-butyl ether	3.008	73	61842	36.63	ug/l	84
25) 1,1-Dichloroethane	3.343	63	88820	35.78	ug/l	99
26) trans-1,2-Dichloroethene	3.018	96	46007	37.47	ug/l	76
27) cis-1,2-Dichloroethene	3.806	61	81584	35.12	ug/l	96
28) Bromochloromethane	3.983	49	39887	32.39	ug/l	83
29) 2,2-Dichloropropane	3.816	77	52460	29.92	ug/l	91
30) 1,4-Dioxane	5.028	88	16127	2912.77	ug/l	96
31) 1,1-Dichloropropene	4.289	75	77798	40.31	ug/l	97
32) Chloroform	4.032	83	89743	36.12	ug/l	100
34) Cyclohexane	4.230	56	117373	49.37	ug/l	86
36) 1,2-Dichloroethane	4.417	62	61201	43.70	ug/l	100
37) 2-Butanone	3.806	43	12197	39.41	ug/l	99
38) 1,1,1-Trichloroethane	4.180	97	82100	42.67	ug/l	98
39) Carbon Tetrachloride	4.298	117	76498	43.07	ug/l	91
40) Vinyl Acetate	3.392	43	114527	28.93	ug/l	100
41) Bromodichloromethane	5.116	83	67715	35.52	ug/l	94
42) Methylcyclohexane	4.949	83	102048	50.46	ug/l	78
43) Dibromomethane	5.028	174	35708	36.29	ug/l	93
44) 1,2-Dichloropropane	4.949	63	54726	38.28	ug/l	91
45) Trichloroethene	4.821	130	58040	39.88	ug/l	88
46) Benzene	4.427	78	202653	36.62	ug/l	100
47) tert-Amyl methyl ether	4.486	73	63180	38.07	ug/l	80
49) Dibromochloromethane	6.072	129	40921	33.63	ug/l	99
50) 2-Chloroethylvinylether	5.284	63	17718	31.78	ug/l	88
51) cis-1,3-Dichloropropene	5.382	75	54789	28.06	ug/l	96
52) trans-1,3-Dichloropropene	5.707	75	42734	27.67	ug/l	98
53) 1,1,2-Trichloroethane	5.816	97	29557	34.79	ug/l	92
54) 1,2-Dibromoethane	6.151	107	32938	36.96	ug/l	90
55) 1,3-Dichloropropane	5.924	76	60785	36.93	ug/l	96
56) 4-Methyl-2-Pentanone	5.461	43	26731	31.46	ug/l	96
57) 2-Hexanone	5.954	43	16249	30.89	ug/l	91
58) Tetrachloroethene	5.934	164	60608	39.16	ug/l	92
60) Toluene	5.599	92	124857	40.23	ug/l	93
61) 1,1,1,2-Tetrachloroethane	6.476	133	48653	38.37	ug/l	91
62) Chlorobenzene	6.436	112	136055	35.71	ug/l	90
64) Bromoform	6.939	173	29775	32.33	ug/l	90
65) Ethylbenzene	6.496	106	59672	41.29	ug/l	96
66) 1,1,2,2-Tetrachloroethane	7.175	83	31272	31.48	ug/l	91
68) Styrene	6.811	104	124711	36.19	ug/l	97
69) m&p-Xylenes	6.565	106	174638	78.75	ug/l	87

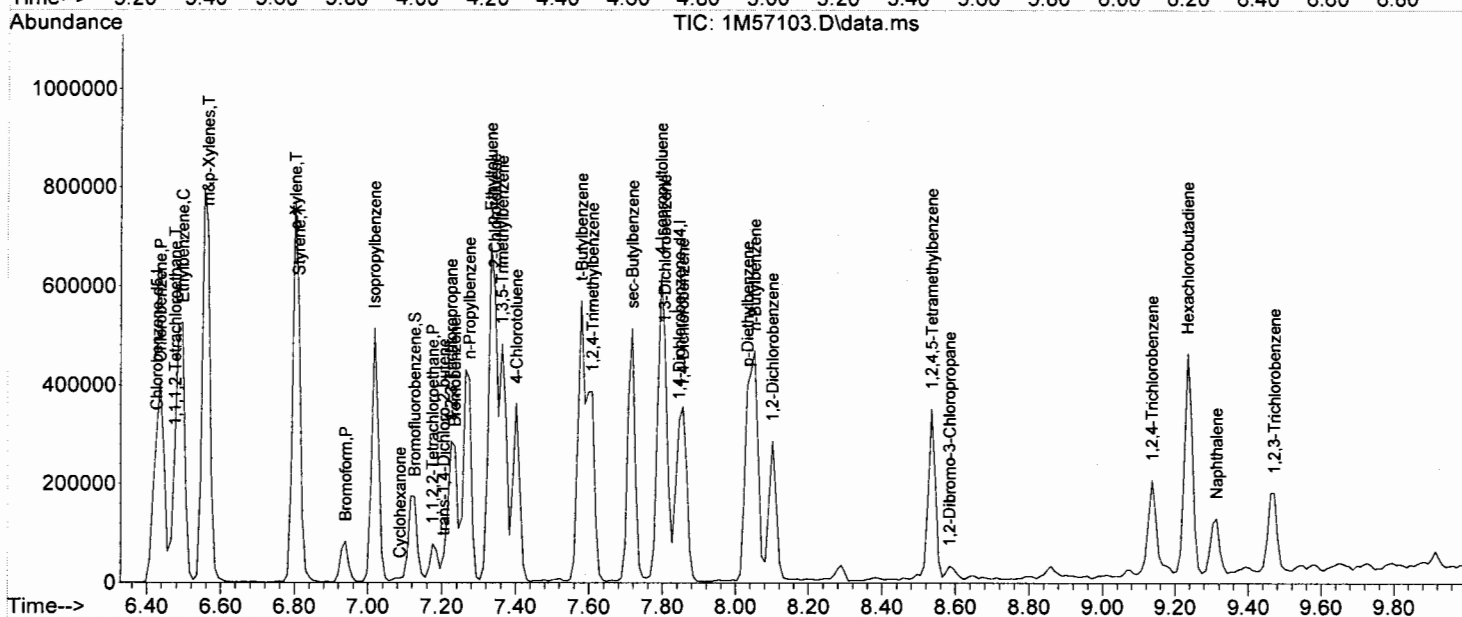
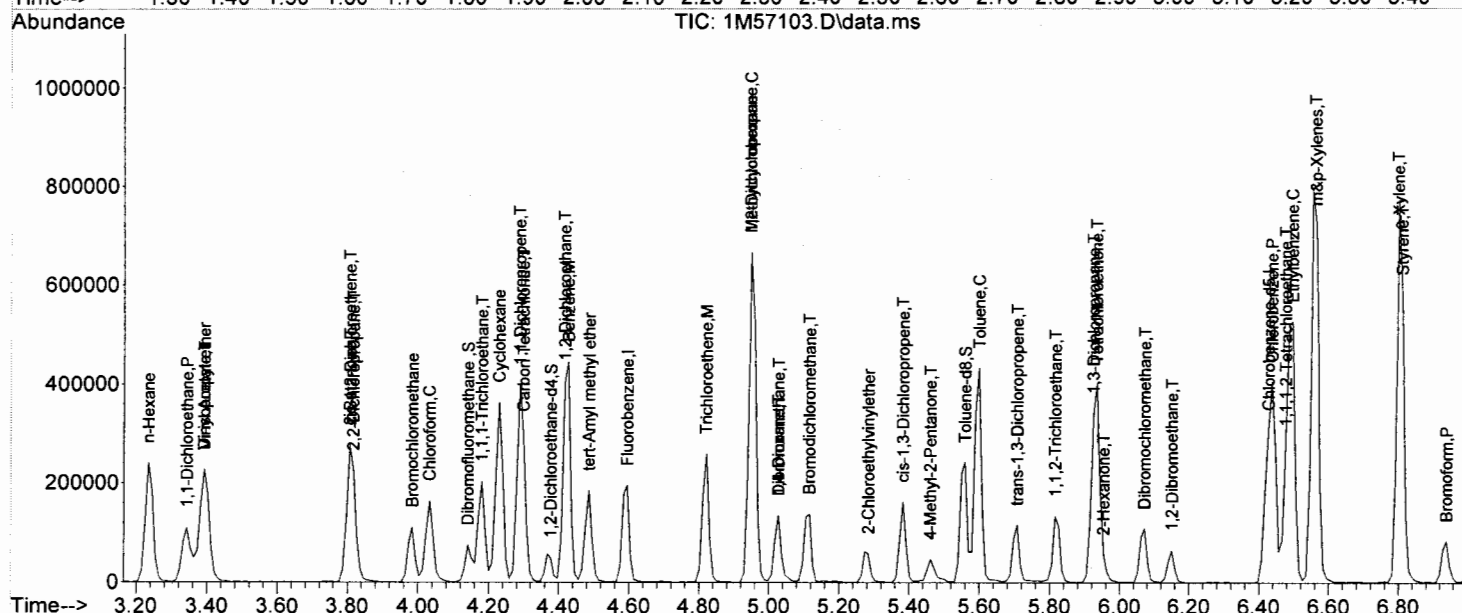
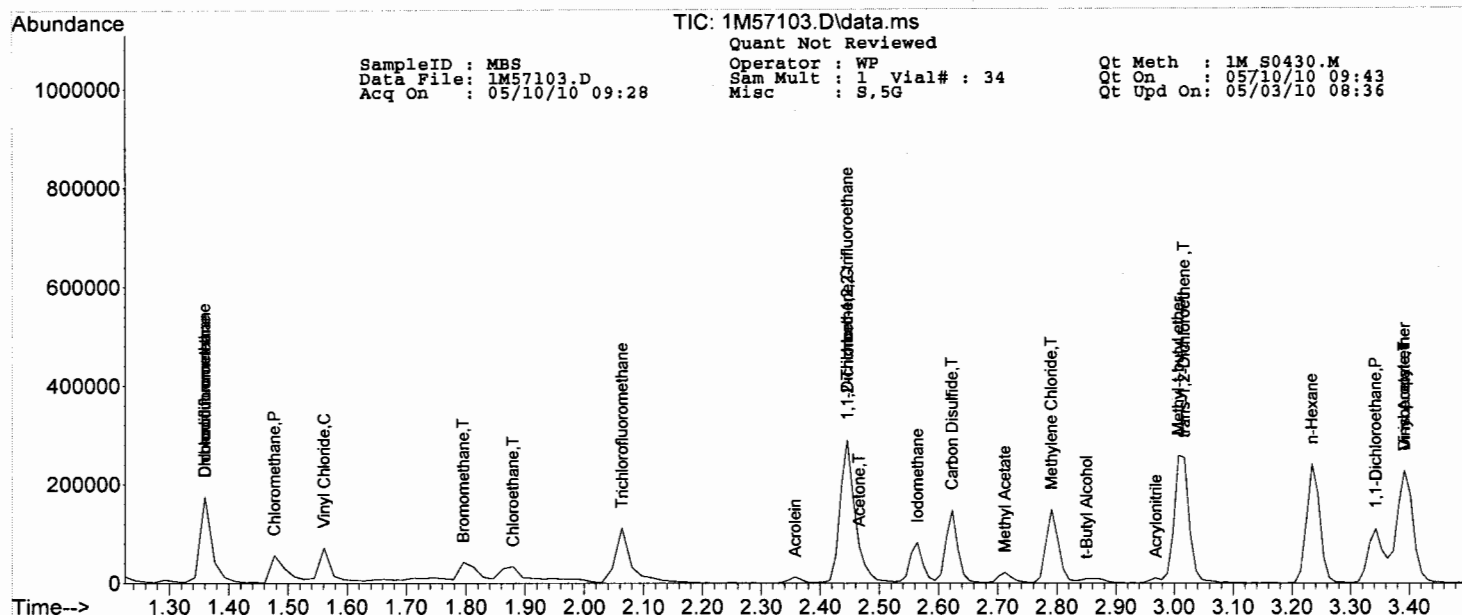
Quantitation Report (Not Reviewed)

SampleID : MBS Operator : WP Qt Meth : 1M_S0430.M
 Data File: 1M57103.D Sam Mult : 1 Vial# : 34 Qt On : 05/10/10 09:43
 Acq On : 05/10/10 09:28 Misc : S,SG Qt Upd On: 05/03/10 08:36

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-10-10\
 Qt Path : G:\GcMsData\2010\GCMS_1\MethodQt\
 Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) o-Xylene	6.801	106	82239	38.32	ug/l	86
71) trans-1,4-Dichloro-2-b...	7.205	53	6518	16.62	ug/l	42
72) 1,3-Dichlorobenzene	7.806	146	105413	33.38	ug/l	98
73) 1,4-Dichlorobenzene	7.855	146	94854	29.02	ug/l	97
74) 1,2-Dichlorobenzene	8.101	146	92880	32.19	ug/l	98
75) Isopropylbenzene	7.018	105	234621	39.06	ug/l	98
76) Cyclohexanone	7.087	55	5458	261.85	ug/l	71
77) 1,2,3-Trichloropropane	7.225	75	35931	28.92	ug/l	98
78) 2-Chlorotoluene	7.343	91	134974	37.19	ug/l	97
79) p-Ethyltoluene	7.333	105	221071	32.15	ug/l	96
80) 4-Chlorotoluene	7.402	91	126192	35.70	ug/l	99
81) n-Propylbenzene	7.274	91	284617	37.26	ug/l	98
82) Bromobenzene	7.234	77	119909	33.87	ug/l	93
83) 1,3,5-Trimethylbenzene	7.363	105	174106	34.35	ug/l	36
84) t-Butylbenzene	7.579	119	208748	42.15	ug/l	98
85) 1,2,4-Trimethylbenzene	7.609	105	189261	37.32	ug/l	98
86) sec-Butylbenzene	7.717	105	270464	41.86	ug/l	99
87) 4-Isopropyltoluene	7.796	119	208192	40.39	ug/l	98
88) n-Butylbenzene	8.052	91	218776	34.37	ug/l	97
89) p-Diethylbenzene	8.033	119	100913	29.09	ug/l	96
90) 1,2,4,5-Tetramethylben...	8.535	119	148790	29.59	ug/l	97
91) 1,2-Dibromo-3-Chloropr...	8.584	157	6027	29.05	ug/l	99
92) Hexachlorobutadiene	9.234	225	106050	34.43	ug/l	97
93) 1,2,4-Trichlorobenzene	9.136	180	60018	22.51	ug/l	97
94) 1,2,3-Trichlorobenzene	9.471	180	57111	23.65	ug/l	90
95) Naphthalene	9.313	128	83258	30.46	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed



SampleID : MBS Operator : WP Qt Meth : 1M S0430.M
 Data File: 1M57127.D Sam Mult : 1 Vial# : 60 Qt On : 05/11/10 07:06
 Acq On : 05/10/10 15:57 Misc : S,5G Qt Upd On: 05/03/10 08:36

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-10-10\
 Qt Path : G:\GcMsData\2010\GCMS_1\MethodQt\
 Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.594	96	90424	30.00	ug/l	0.00
48) Chlorobenzene-d5	6.427	117	73669	30.00	ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.846	152	50112	30.00	ug/l	0.00
System Monitoring Compounds						
33) Dibromofluoromethane	4.141	111	24084	30.52	ug/l	-0.02
Spiked Amount 30.000			Recovery =	101.73%		
35) 1,2-Dichloroethane-d4	4.368	102	4149	26.87	ug/l	-0.02
Spiked Amount 30.000			Recovery =	89.57%		
59) Toluene-d8	5.560	100	63587	29.41	ug/l	0.00
Spiked Amount 30.000			Recovery =	98.03%		
67) Bromofluorobenzene	7.126	174	45078	29.78	ug/l	0.00
Spiked Amount 30.000			Recovery =	99.27%		
Target Compounds						
						Qvalue
6) Dichlorodifluoromethane	1.347	85	36563	29.83	ug/l	81
7) Chloromethane	1.482	50	45003	40.30	ug/l	98
8) Bromomethane	1.800	94	25258	42.83	ug/l	99
9) Vinyl Chloride	1.565	62	38411	43.48	ug/l	92
10) Chloroethane	1.867	64	30020	49.77	ug/l	96
11) Trichlorofluoromethane	2.068	101	93892	54.95	ug/l	95
12) 1,1,2-Trichloro-1,2,2-...	2.437	101	49041	59.36	ug/l	91
13) Methylene Chloride	2.791	84	49940	46.09	ug/l	96
14) Acrolein	2.358	56	20228	256.32	ug/l	80
15) Acrylonitrile	2.969	53	8673	42.80	ug/l	83
16) Iodomethane	2.555	142	76208	40.55	ug/l	71
17) Acetone	2.466	43	39304	264.45	ug/l	98
18) Carbon Disulfide	2.624	76	154392	46.52	ug/l	100
19) t-Butyl Alcohol	2.860	59	6022	241.85	ug/l	98
20) n-Hexane	3.235	57	83904	59.88	ug/l	89
21) Di-isopropyl-ether	3.392	45	177123	45.76	ug/l	88
22) 1,1-Dichloroethene	2.447	61	85478	44.34	ug/l	97
23) Methyl Acetate	2.713	43	25973	51.15	ug/l	100
24) Methyl-t-butyl ether	3.008	73	67132	47.66	ug/l	82
25) 1,1-Dichloroethane	3.343	63	98926	47.76	ug/l	98
26) trans-1,2-Dichloroethene	3.008	96	53248	51.98	ug/l	79
27) cis-1,2-Dichloroethene	3.806	61	92034	47.48	ug/l	94
28) Bromochloromethane	3.984	49	46169	44.93	ug/l	85
29) 2,2-Dichloropropane	3.816	77	75915	51.89	ug/l	94
30) 1,4-Dioxane	5.028	88	12844	2780.03	ug/l	90
31) 1,1-Dichloropropene	4.289	75	85856	53.31	ug/l	97
32) Chloroform	4.033	83	97185	46.87	ug/l	99
34) Cyclohexane	4.230	56	116095	58.52	ug/l	90
36) 1,2-Dichloroethane	4.417	62	66189	56.64	ug/l	99
37) 2-Butanone	3.806	43	15704	60.81	ug/l	82
38) 1,1,1-Trichloroethane	4.181	97	84156	52.41	ug/l	97
39) Carbon Tetrachloride	4.299	117	79926	53.93	ug/l	97
40) Vinyl Acetate	3.392	43	137154	41.52	ug/l	100
41) Bromodichloromethane	5.107	83	70488	44.31	ug/l	99
42) Methylcyclohexane	4.949	83	108680	64.40	ug/l	76
43) Dibromomethane	5.028	174	39849	48.53	ug/l	89
44) 1,2-Dichloropropane	4.949	63	57832	48.48	ug/l	80
45) Trichloroethene	4.821	130	64629	53.21	ug/l	95
46) Benzene	4.427	78	218576	47.33	ug/l	100
47) tert-Amyl methyl ether	4.486	73	62371	45.04	ug/l	84
49) Dibromochloromethane	6.072	129	46678	43.90	ug/l	100
50) 2-Chloroethylvinylether	5.284	63	17885	36.71	ug/l	97
51) cis-1,3-Dichloropropene	5.383	75	72433	42.46	ug/l	100
52) trans-1,3-Dichloropropene	5.708	75	55383	41.04	ug/l	99
53) 1,1,2-Trichloroethane	5.816	97	33713	45.41	ug/l	94
54) 1,2-Dibromoethane	6.151	107	33587	43.13	ug/l	92
55) 1,3-Dichloropropane	5.924	76	61617	42.84	ug/l	91
56) 4-Methyl-2-Pentanone	5.461	43	29443	39.66	ug/l	95
57) 2-Hexanone	5.954	43	19077	41.51	ug/l	92
58) Tetrachloroethene	5.934	164	74143	54.82	ug/l	92
60) Toluene	5.599	92	138950	51.24	ug/l	97
61) 1,1,1,2-Tetrachloroethane	6.486	133	53823	48.59	ug/l	99
62) Chlorobenzene	6.447	112	149640	44.95	ug/l	94
64) Bromoform	6.939	173	36098	41.65	ug/l	87
65) Ethylbenzene	6.496	106	66576	48.95	ug/l	89
66) 1,1,2,2-Tetrachloroethane	7.176	83	36092	38.60	ug/l	85
68) Styrene	6.811	104	149110	45.98	ug/l	91
69) m&p-Xylenes	6.565	106	201429	96.52	ug/l	93
70) o-Xylene	6.801	106	93423	46.26	ug/l	86

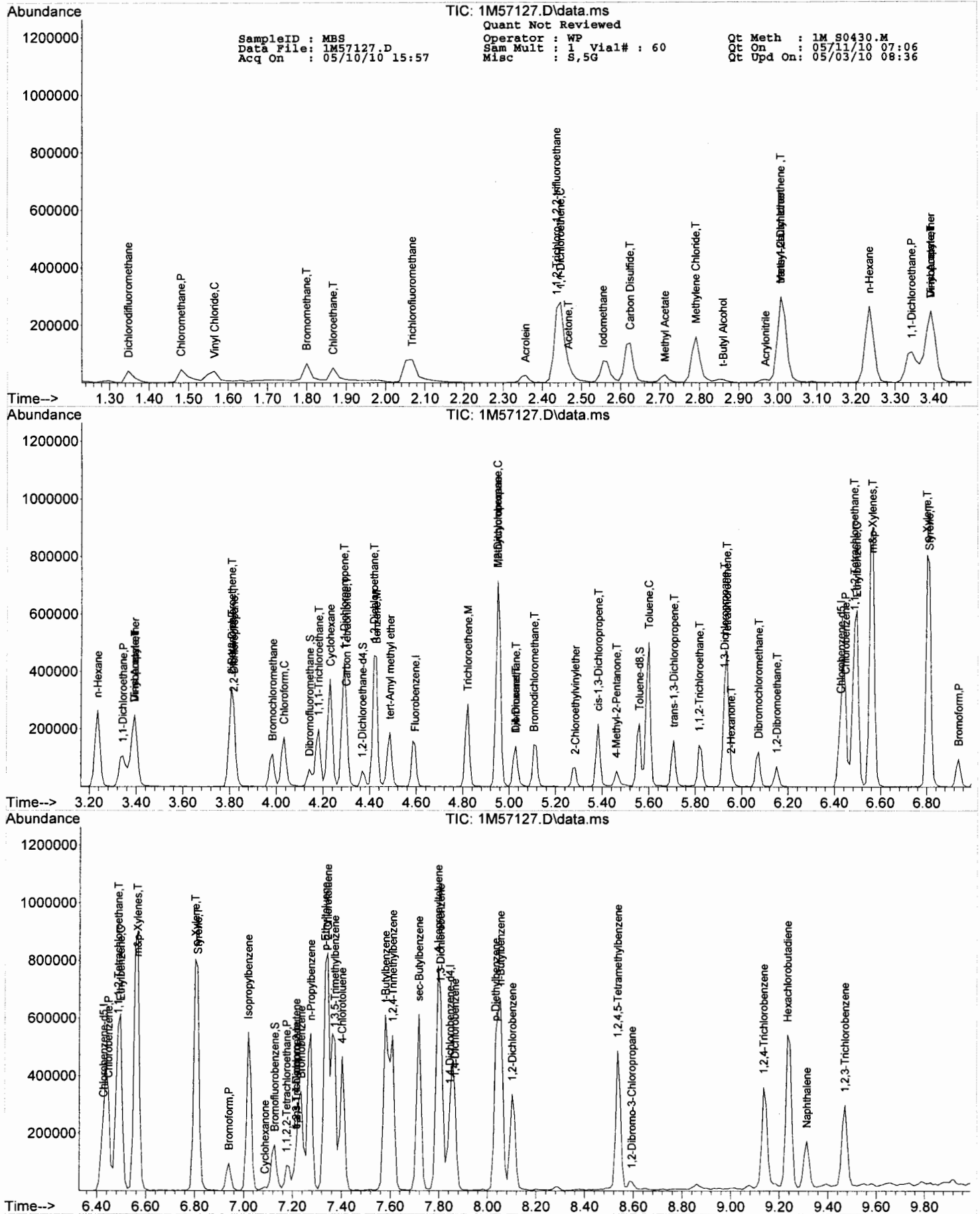
Quantitation Report (Not Reviewed)

SampleID : MBS Operator : WP Qt Meth : 1M_S0430.M
 Data File: 1M57127.D Sam Mult : 1 Vial# : 60 Qt On : 05/11/10 07:06
 Acq On : 05/10/10 15:57 Misc : S,5G Qt Upd On: 05/03/10 08:36

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-10-10\
 Qt Path : G:\GcMsData\2010\GCMS_1\MethodQt\
 Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) trans-1,4-Dichloro-2-b...	7.215	53	12463	33.76	ug/l	99
72) 1,3-Dichlorobenzene	7.806	146	136980	46.09	ug/l	97
73) 1,4-Dichlorobenzene	7.865	146	135113	43.92	ug/l	99
74) 1,2-Dichlorobenzene	8.102	146	120806	44.49	ug/l	98
75) Isopropylbenzene	7.018	105	270120	47.78	ug/l	99
76) Cyclohexanone	7.087	55	4692	240.46	ug/l	93
77) 1,2,3-Trichloropropane	7.215	75	50013	42.77	ug/l	87
78) 2-Chlorotoluene	7.343	91	175424	51.36	ug/l	96
79) p-Ethyltoluene	7.333	105	273422	42.25	ug/l	96
80) 4-Chlorotoluene	7.402	91	160448	48.24	ug/l	95
81) n-Propylbenzene	7.274	91	348032	48.41	ug/l	97
82) Bromobenzene	7.235	77	143127	42.96	ug/l	93
83) 1,3,5-Trimethylbenzene	7.373	105	223240	46.80	ug/l	40
84) t-Butylbenzene	7.580	119	239597	51.40	ug/l	99
85) 1,2,4-Trimethylbenzene	7.609	105	239539	50.19	ug/l	99
86) sec-Butylbenzene	7.718	105	309555	50.91	ug/l	97
87) 4-Isopropyltoluene	7.796	119	265145	54.66	ug/l	99
88) n-Butylbenzene	8.053	91	308694	51.54	ug/l	98
89) p-Diethylbenzene	8.033	119	138674	42.48	ug/l	93
90) 1,2,4,5-Tetramethylben...	8.535	119	217711	46.00	ug/l	96
91) 1,2-Dibromo-3-Chloropr...	8.594	157	7536	38.60	ug/l	96
92) Hexachlorobutadiene	9.235	225	136463	47.08	ug/l	100
93) 1,2,4-Trichlorobenzene	9.136	180	113440	45.22	ug/l	95
94) 1,2,3-Trichlorobenzene	9.471	180	97547	42.93	ug/l	97
95) Naphthalene	9.314	128	117915	45.84	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed



FORM 3

Spike Recovery

Batch Number: MBS15991

Mbs Name: MBS15991

Ns Name: AC51467-004

Ms Name: AC51467-004(MS)

Msd Name: AC51467-004(MSD)

Mbs File: 1M57109.D

Non Spk'd File: 1M57070.D

Spike File: 1M57110.D

Spike Dup File: 1M57111.D

Matrix: Soil

Method: EPA 8260B

Mbs Date: 05/10/10 11:05

Non Spk'd Date: 05/07/10 14:07

Spike Date: 05/10/10 11:21

Spike Dup Date: 05/10/10 11:37

Compound	C#	Co	Mr	Conc Exp	Lo Lim	Hi Lim	Rpd Lim	Mbs Conc	Sample Conc	Spike Conc	Spike Dup Conc	Mbs Rec	MS Rec	Msd Rec	Rpd
Vinyl Chloride	9	1	0	50	6	117	53	50.80	0.00	36.81	42.15	102	74	84	14
1,1-Dichloroethene	22	1	0	50	8	114	53	39.36	0.00	33.81	28.18	79	68	56	18
1,1-Dichloroethane	25	1	0	50	14	127	44	41.53	0.00	35.25	33.31	83	70	67	5.7
Chloroform	32	1	0	50	26	119	39	41.31	0.00	34.65	32.39	83	69	65	6.7
1,2-Dichloroethane	36	1	0	50	18	130	37	52.71	0.00	38.20	39.14	105	76	78	2.4
2-Butanone	37	1	0	50	4	141	59	47.16	0.00	16.00	17.36	94	32	35	8.2
Carbon Tetrachloride	39	1	0	50	19	122	40	48.06	0.00	39.66	36.48	96	79	73	8.4
Trichloroethene	45	1	0	50	21	116	39	45.57	0.00	38.23	32.22	91	76	64	17
Benzene	46	1	0	50	21	122	38	41.03	0.00	32.48	31.12	82	65	62	4.3
Tetrachloroethene	58	1	0	50	18	116	37	46.47	0.00	41.84	35.83	93	84	72	15
Toluene	60	1	0	50	19	128	35	45.34	0.00	36.41	33.60	91	73	67	8
Chlorobenzene	62	1	0	50	21	117	37	40.86	0.00	28.31	26.04	82	57	52	8.4
1,4-Dichlorobenzene	73	1	0	50	20	110	41	37.74	0.00	17.62	18.96	75	35	38	7.3
1,2-Dichlorobenzene	74	1	0	50	19	113	42	38.07	0.00	18.70	22.21	76	37	44	17
n-Propylbenzene	81	1	0	50	16	122	42	44.11	0.00	29.29	29.94	88	59	60	2.2
sec-Butylbenzene	86	1	0	50	9	125	48	47.21	0.00	32.36	36.07	94	65	72	11

Note:

Rp = Failed Rpd Criteria

Mo = Failed Recovery Criteria

^ - Both Ms and Msd Recoveries = 0 ... no valid information can be calculated

SampleID : MBS Operator : WP Qt Meth : 1M_S0430.M
 Data File: 1M57109.D Sam Mult : 1 Vial# : 42 Qt On : 05/10/10 11:27
 Acq On : 05/10/10 11:05 Misc : S,5G Qt Upd On: 05/03/10 08:36

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-10-10\
 Qt Path : G:\GcMsData\2010\GCMS_1\MethodQt\
 Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.595	96	102781	30.00	ug/l	0.00
48) Chlorobenzene-d5	6.418	117	82665	30.00	ug/l	-0.02
63) 1,4-Dichlorobenzene-d4	7.847	152	54971	30.00	ug/l	0.00
System Monitoring Compounds						
33) Dibromofluoromethane	4.142	111	27546	30.71	ug/l	-0.02
Spiked Amount 30.000			Recovery =	102.37%		
35) 1,2-Dichloroethane-d4	4.369	102	5289	30.14	ug/l	-0.02
Spiked Amount 30.000			Recovery =	100.47%		
59) Toluene-d8	5.561	100	74555	30.74	ug/l	0.00
Spiked Amount 30.000			Recovery =	102.47%		
67) Bromofluorobenzene	7.127	174	53106	31.98	ug/l	0.00
Spiked Amount 30.000			Recovery =	106.60%		
Target Compounds						
6) Dichlorodifluoromethane	1.360	85	37574	26.97	ug/l	97
7) Chloromethane	1.477	50	59144	46.59	ug/l	94
8) Bromomethane	1.795	94	23789	35.49	ug/l	100
9) Vinyl Chloride	1.561	62	51016	50.80	ug/l	93
10) Chloroethane	1.879	64	26791	39.08	ug/l	99
11) Trichlorofluoromethane	2.064	101	92704	47.73	ug/l	99
12) 1,1,2-Trichloro-1,2,2-...	2.448	101	48143	51.27	ug/l	92
13) Methylene Chloride	2.792	84	48470	39.36	ug/l	87
14) Acrolein	2.359	56	19308	215.25	ug/l	87
15) Acrylonitrile	2.970	53	7202	31.27	ug/l	83
16) Iodomethane	2.566	142	75670	35.42	ug/l	73
17) Acetone	2.467	43	37915	224.43	ug/l	95
18) Carbon Disulfide	2.625	76	152958	40.55	ug/l	100
19) t-Butyl Alcohol	2.861	59	5864	207.19	ug/l	61
20) n-Hexane	3.236	57	85956	53.97	ug/l	90
21) Di-isopropyl-ether	3.393	45	181150	41.17	ug/l	85
22) 1,1-Dichloroethene	2.448	61	86245	39.36	ug/l	96
23) Methyl Acetate	2.714	43	24513	42.47	ug/l	100
24) Methyl-t-butyl ether	3.009	73	68876	43.02	ug/l	84
25) 1,1-Dichloroethane	3.344	63	97789	41.53	ug/l	99
26) trans-1,2-Dichloroethene	3.009	96	51170	43.94	ug/l	77
27) cis-1,2-Dichloroethene	3.807	61	92484	41.98	ug/l	96
28) Bromochloromethane	3.985	49	44034	37.70	ug/l	81
29) 2,2-Dichloropropane	3.817	77	78029	46.92	ug/l	92
30) 1,4-Dioxane	5.029	88	9267	1764.66	ug/l	41
31) 1,1-Dichloropropene	4.290	75	86433	47.22	ug/l	94
32) Chloroform	4.034	83	97358	41.31	ug/l	93
34) Cyclohexane	4.231	56	116997	51.89	ug/l	88
36) 1,2-Dichloroethane	4.418	62	70022	52.71	ug/l	99
37) 2-Butanone	3.807	43	13843	47.16	ug/l	95
38) 1,1,1-Trichloroethane	4.182	97	84997	46.57	ug/l	92
39) Carbon Tetrachloride	4.300	117	80954	48.06	ug/l	88
40) Vinyl Acetate	3.393	43	142107	37.85	ug/l	100
41) Bromodichloromethane	5.108	83	71300	39.43	ug/l	92
42) Methylcyclohexane	4.950	83	103593	54.01	ug/l	84
43) Dibromomethane	5.029	174	37839	40.54	ug/l	95
44) 1,2-Dichloropropane	4.950	63	58176	42.91	ug/l	86
45) Trichloroethene	4.822	130	62916	45.57	ug/l	98
46) Benzene	4.428	78	215358	41.03	ug/l	100
47) tert-Amyl methyl ether	4.487	73	66116	42.00	ug/l	81
49) Dibromochloromethane	6.073	129	44996	37.72	ug/l	98
50) 2-Chloroethylvinylether	5.275	63	18402	33.66	ug/l	83
51) cis-1,3-Dichloropropene	5.384	75	73082	38.18	ug/l	95
52) trans-1,3-Dichloropropene	5.709	75	54408	35.93	ug/l	94
53) 1,1,2-Trichloroethane	5.817	97	33382	40.07	ug/l	95
54) 1,2-Dibromoethane	6.152	107	31323	35.85	ug/l	97
55) 1,3-Dichloropropane	5.925	76	60394	37.42	ug/l	99
56) 4-Methyl-2-Pentanone	5.462	43	30611	36.74	ug/l	99
57) 2-Hexanone	5.955	43	18977	36.80	ug/l	97
58) Tetrachloroethene	5.935	164	70516	46.47	ug/l	93
60) Toluene	5.600	92	137972	45.34	ug/l	100
61) 1,1,1,2-Tetrachloroethane	6.477	133	52329	42.10	ug/l	96
62) Chlorobenzene	6.438	112	152617	40.86	ug/l	96
64) Bromoform	6.940	173	32752	34.45	ug/l	95
65) Ethylbenzene	6.497	106	65776	44.09	ug/l	96
66) 1,1,2,2-Tetrachloroethane	7.177	83	36985	36.06	ug/l	92
68) Styrene	6.802	104	147682	41.51	ug/l	89
69) m&p-Xylenes	6.556	106	200916	87.76	ug/l	95
70) o-Xylene	6.802	106	93900	42.39	ug/l	83

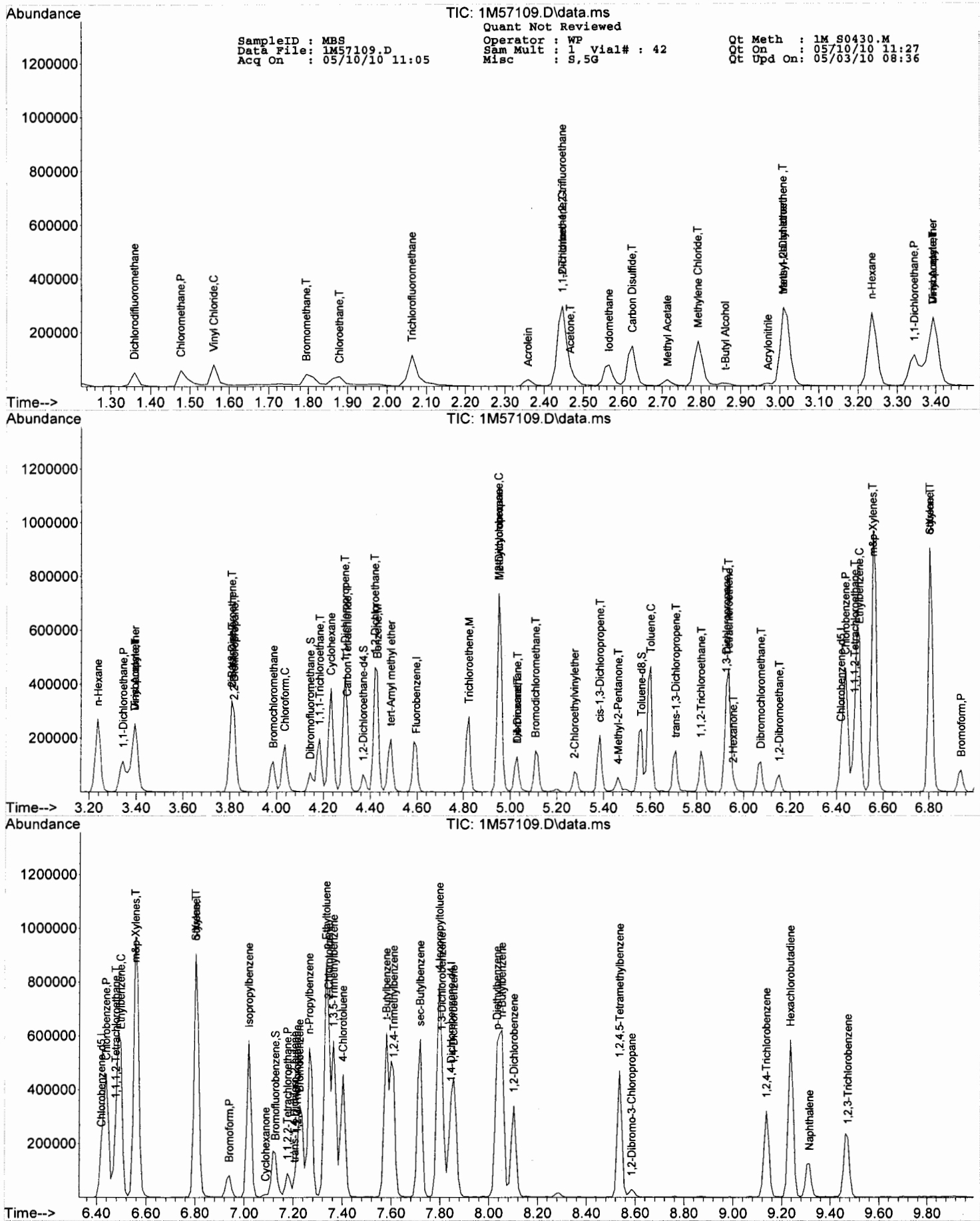
Quantitation Report (Not Reviewed)

SampleID : MBS Operator : WP Qt Meth : 1M_S0430.M
 Data File: 1M57109.D Sam Mult : 1 Vial# : 42 Qt On : 05/10/10 11:27
 Acq On : 05/10/10 11:05 Misc : S,5G Qt Upd On: 05/03/10 08:36

Data Path : G:\GcMsData\2010\GCMS 1\Data\05-10-10\
 Qt Path : G:\GcMsData\2010\GCMS 1\MethodQt\
 Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) trans-1,4-Dichloro-2-b...	7.206	53	11427	28.22	ug/l	92
72) 1,3-Dichlorobenzene	7.807	146	134823	41.36	ug/l	98
73) 1,4-Dichlorobenzene	7.857	146	127372	37.74	ug/l	98
74) 1,2-Dichlorobenzene	8.103	146	113395	38.07	ug/l	97
75) Isopropylbenzene	7.019	105	264812	42.70	ug/l	100
76) Cyclohexanone	7.088	55	4127	195.70	ug/l	94
77) 1,2,3-Trichloropropane	7.216	75	43474	33.89	ug/l	93
78) 2-Chlorotoluene	7.344	91	148352	39.59	ug/l	96
79) p-Ethyltoluene	7.334	105	292645	41.22	ug/l	97
80) 4-Chlorotoluene	7.403	91	160064	43.87	ug/l	97
81) n-Propylbenzene	7.265	91	347875	44.11	ug/l	98
82) Bromobenzene	7.226	77	139439	38.15	ug/l	93
83) 1,3,5-Trimethylbenzene	7.364	105	202388	38.67	ug/l	32
84) t-Butylbenzene	7.581	119	234963	45.95	ug/l	98
85) 1,2,4-Trimethylbenzene	7.610	105	237597	45.38	ug/l	99
86) sec-Butylbenzene	7.719	105	314870	47.21	ug/l	99
87) 4-Isopropyltoluene	7.797	119	256507	48.21	ug/l	98
88) n-Butylbenzene	8.054	91	302661	46.06	ug/l	99
89) p-Diethylbenzene	8.034	119	130102	36.33	ug/l	87
90) 1,2,4,5-Tetramethylben...	8.536	119	201890	38.89	ug/l	93
91) 1,2-Dibromo-3-Chloropr...	8.586	157	5940	27.73	ug/l	94
92) Hexachlorobutadiene	9.236	225	134970	42.45	ug/l	98
93) 1,2,4-Trichlorobenzene	9.137	180	101209	36.77	ug/l	94
94) 1,2,3-Trichlorobenzene	9.472	180	85932	34.47	ug/l	96
95) Naphthalene	9.315	128	94270	33.41	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed



SampleID : AC51467-004
 Data File: 1M57070.D
 Acq On : 05/ 7/10 14:07

Operator : SG
 Sam Mult : 1 Vial# : 25
 Misc : S,5G13

Qt Meth : 1M_S0430.M
 Qt On : 05/07/10 14:45
 Qt Upd On: 05/03/10 08:36

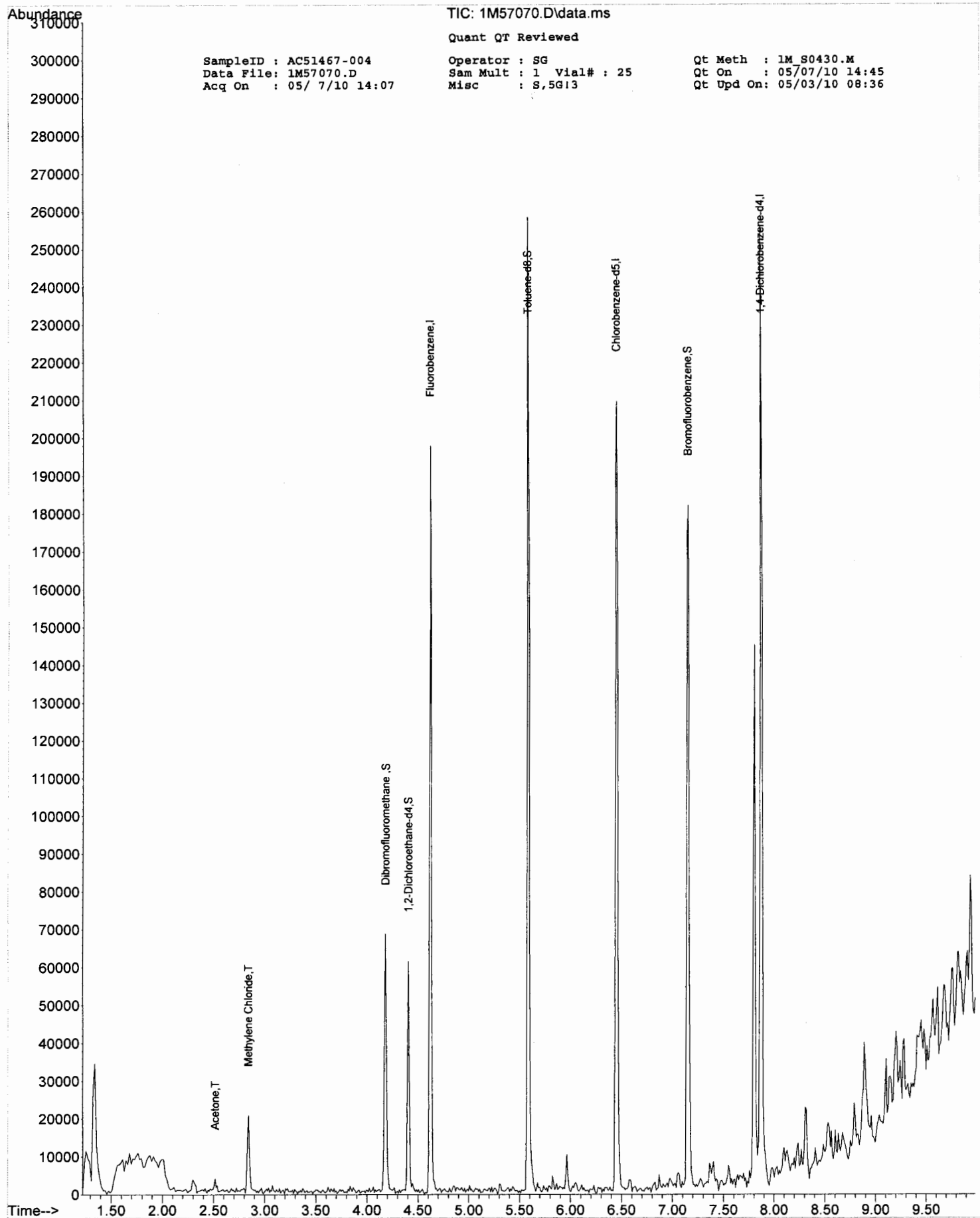
Data Path : G:\GcMsData\2010\GCMS_1\Data\05-07-10\
 Qt Path : G:\GcMsData\2010\GCMS_1\MethodQt\
 Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
4) Fluorobenzene	4.624	96	93229	30.00	ug/l	0.02
48) Chlorobenzene-d5	6.456	117	90054	30.00	ug/l	0.02
63) 1,4-Dichlorobenzene-d4	7.875	152	58503	30.00	ug/l	0.02
System Monitoring Compounds						
33) Dibromofluoromethane	4.180	111	27114	33.32	ug/l	0.02
Spiked Amount 30.000			Recovery	=	111.07%	
35) 1,2-Dichloroethane-d4	4.407	102	5258	33.03	ug/l	0.02
Spiked Amount 30.000			Recovery	=	110.10%	
59) Toluene-d8	5.589	100	74318	28.12	ug/l	0.02
Spiked Amount 30.000			Recovery	=	93.73%	
67) Bromofluorobenzene	7.156	174	50268	28.45	ug/l	0.02
Spiked Amount 30.000			Recovery	=	94.83%	
Target Compounds						
13) Methylene Chloride	2.840	84	6206	5.56	ug/l	81
17) Acetone	2.515	43	3743	24.43	ug/l	72

(#) = qualifier out of range (m) = manual integration (+) = signals summed

W



SampleID : AC51467-004(MS) Operator : WP Qt Meth : 1M_S0430.M
 Data File: 1M57110.D Sam Mult : 1 Vial# : 43 Qt On : 05/10/10 12:01
 Acq On : 05/10/10 11:21 Misc : S,5G!4 Qt Upd On: 05/03/10 08:36

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-10-10\
 Qt Path : G:\GcMsData\2010\GCMS_1\MethodQt\
 Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.594	96	112861	30.00	ug/l	0.00
48) Chlorobenzene-d5	6.427	117	81780	30.00	ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.846	152	55811	30.00	ug/l	0.00
System Monitoring Compounds						
33) Dibromofluoromethane	4.141	111	28275	28.71	ug/l	-0.02
Spiked Amount 30.000			Recovery =	95.70%		
35) 1,2-Dichloroethane-d4	4.378	102	5598	29.05	ug/l	0.00
Spiked Amount 30.000			Recovery =	96.83%		
59) Toluene-d8	5.560	100	79672	33.20	ug/l	0.00
Spiked Amount 30.000			Recovery =	110.67%		
67) Bromofluorobenzene	7.126	174	52798	31.32	ug/l	0.00
Spiked Amount 30.000			Recovery =	104.40%		
Target Compounds						
						Qvalue
5) Chlorodifluoromethane	1.365	51	107914	47.34	ug/l	1
6) Dichlorodifluoromethane	1.348	85	52399	34.25	ug/l	84
7) Chloromethane	1.482	50	55774	40.01	ug/l	96
8) Bromomethane	1.800	94	22158	30.11	ug/l	92
9) Vinyl Chloride	1.566	62	40593	36.81	ug/l	99
10) Chloroethane	1.867	64	26100	34.67	ug/l	91
11) Trichlorofluoromethane	2.068	101	91940	43.11	ug/l	97
12) 1,1,2-Trichloro-1,2,2-...	2.447	101	46661	45.25	ug/l	91
13) Methylene Chloride	2.791	84	45370	33.55	ug/l	78
15) Acrylonitrile	2.969	53	7556	29.87	ug/l	75
16) Iodomethane	2.565	142	50557	21.55	ug/l	69
17) Acetone	2.466	43	28186	151.94	ug/l	91
18) Carbon Disulfide	2.624	76	116022	28.01	ug/l	100
19) t-Butyl Alcohol	2.851	59	5242	168.67	ug/l	82
20) n-Hexane	3.235	57	76439	43.71	ug/l	88
21) Di-isopropyl-ether	3.392	45	162519	33.64	ug/l	84
22) 1,1-Dichloroethene	2.447	61	81350	33.81	ug/l	95
23) Methyl Acetate	2.713	43	5642	8.90	ug/l	100
24) Methyl-t-butyl ether	3.008	73	59797	34.01	ug/l	84
25) 1,1-Dichloroethane	3.343	63	91129	35.25	ug/l	90
26) trans-1,2-Dichloroethene	3.008	96	41722	32.63	ug/l	82
27) cis-1,2-Dichloroethene	3.806	61	76202	31.50	ug/l	97
28) Bromochloromethane	3.984	49	39447	30.76	ug/l	76
29) 2,2-Dichloropropane	3.816	77	48152	26.37	ug/l	92
30) 1,4-Dioxane	5.028	88	13686	2373.37	ug/l	66
31) 1,1-Dichloropropene	4.289	75	75406	37.52	ug/l	89
32) Chloroform	4.033	83	89665	34.65	ug/l	99
34) Cyclohexane	4.230	56	115371	46.60	ug/l	88
36) 1,2-Dichloroethane	4.417	62	55713	38.20	ug/l	99
37) 2-Butanone	3.806	43	5156	16.00	ug/l	80
38) 1,1,1-Trichloroethane	4.181	97	79219	39.53	ug/l	100
39) Carbon Tetrachloride	4.299	117	73355	39.66	ug/l	92
40) Vinyl Acetate	3.392	43	80375	19.50	ug/l	100
41) Bromodichloromethane	5.117	83	44343	22.33	ug/l	85
42) Methylcyclohexane	4.949	83	99563	47.27	ug/l	76
43) Dibromomethane	5.028	174	33725	32.90	ug/l	90
44) 1,2-Dichloropropane	4.949	63	50543	33.95	ug/l	94
45) Trichloroethene	4.821	130	57958	38.23	ug/l	95
46) Benzene	4.427	78	187228	32.48	ug/l	100
47) tert-Amyl methyl ether	4.486	73	57937	33.52	ug/l	83
49) Dibromochloromethane	6.072	129	21602	18.30	ug/l	95
50) 2-Chloroethylvinylether	5.284	63	9134	16.89	ug/l	95
51) cis-1,3-Dichloropropene	5.383	75	35119	18.54	ug/l	86
52) trans-1,3-Dichloropropene	5.708	75	23732	15.84	ug/l	98
53) 1,1,2-Trichloroethane	5.816	97	26528	32.19	ug/l	90
54) 1,2-Dibromoethane	6.151	107	23607	27.31	ug/l	86
55) 1,3-Dichloropropane	5.924	76	47495	29.75	ug/l	89
56) 4-Methyl-2-Pentanone	5.461	43	20039	24.31	ug/l	96
57) 2-Hexanone	5.944	43	3358	6.58	ug/l	75
58) Tetrachloroethene	5.934	164	62819	41.84	ug/l	97
60) Toluene	5.599	92	109599	36.41	ug/l	94
61) 1,1,1,2-Tetrachloroethane	6.486	133	39214	31.89	ug/l	98
62) Chlorobenzene	6.447	112	104621	28.31	ug/l	96
64) Bromoform	6.939	173	12537	12.99	ug/l	96
65) Ethylbenzene	6.496	106	52032	34.35	ug/l	92
66) 1,1,2,2-Tetrachloroethane	7.176	83	24635	23.66	ug/l	82
68) Styrene	6.811	104	39768	11.01	ug/l	84
69) m&p-Xylenes	6.565	106	138567	59.62	ug/l	92
70) o-Xylene	6.801	106	71130	31.62	ug/l	88

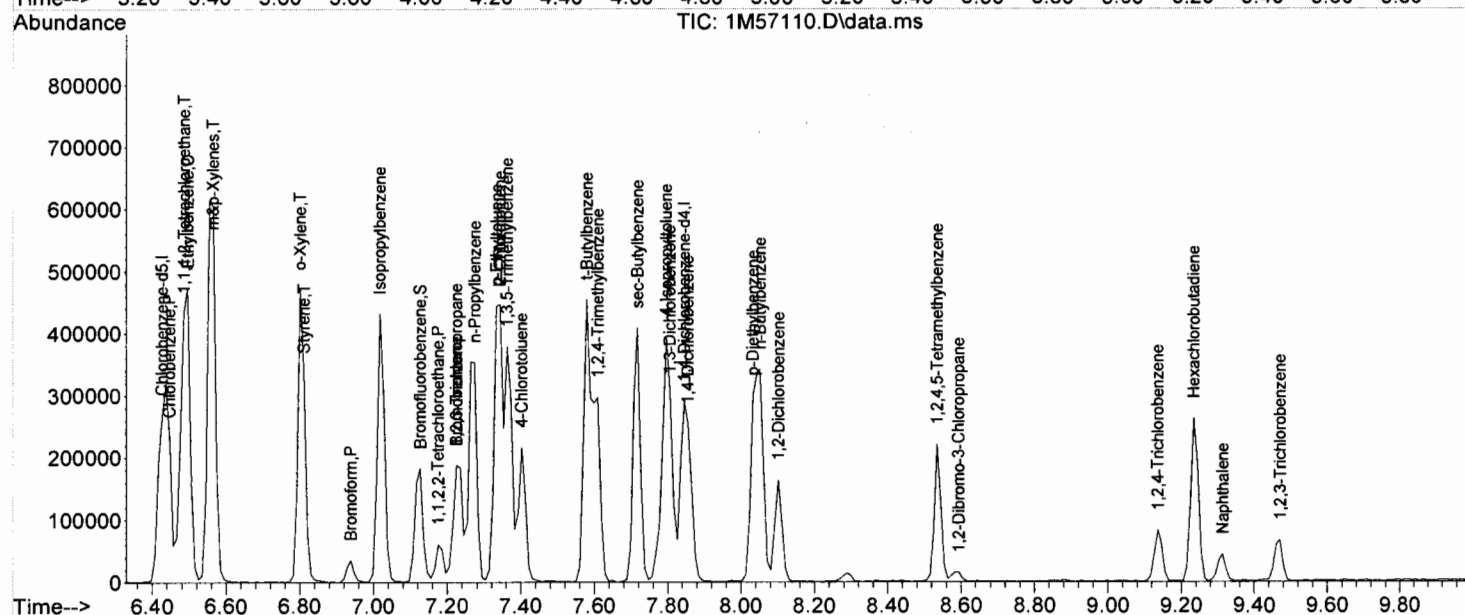
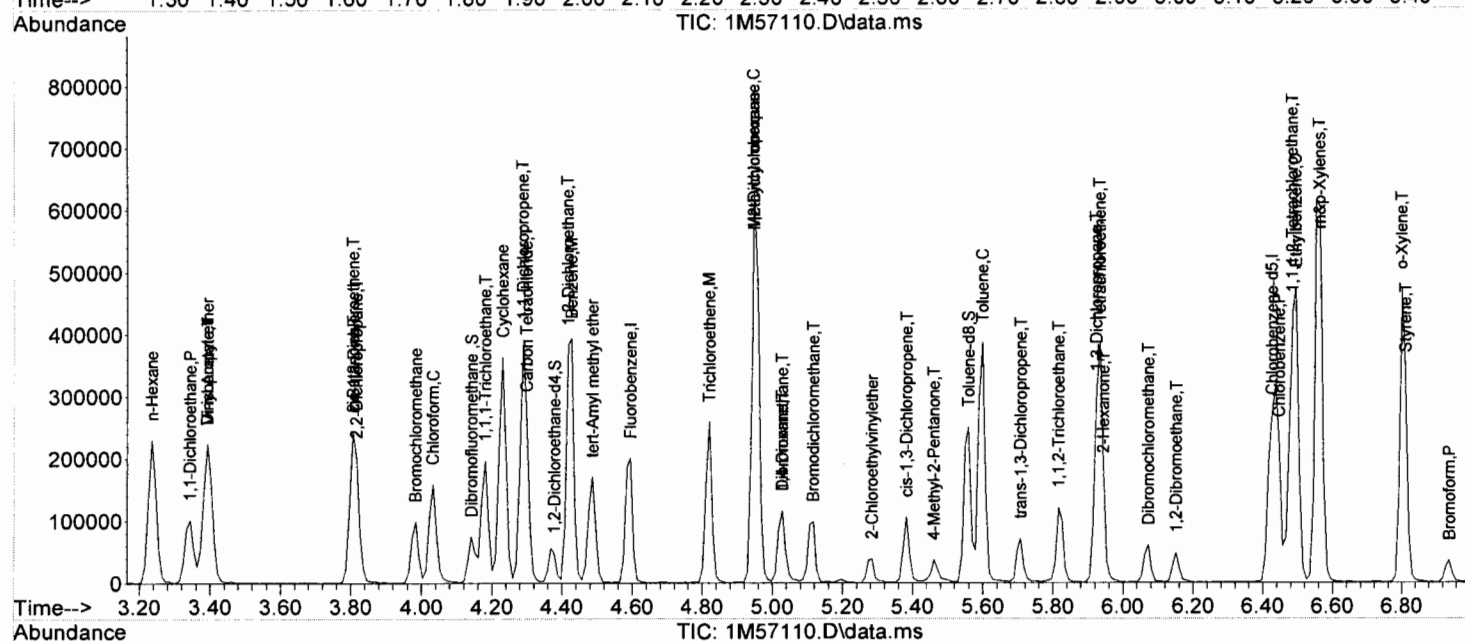
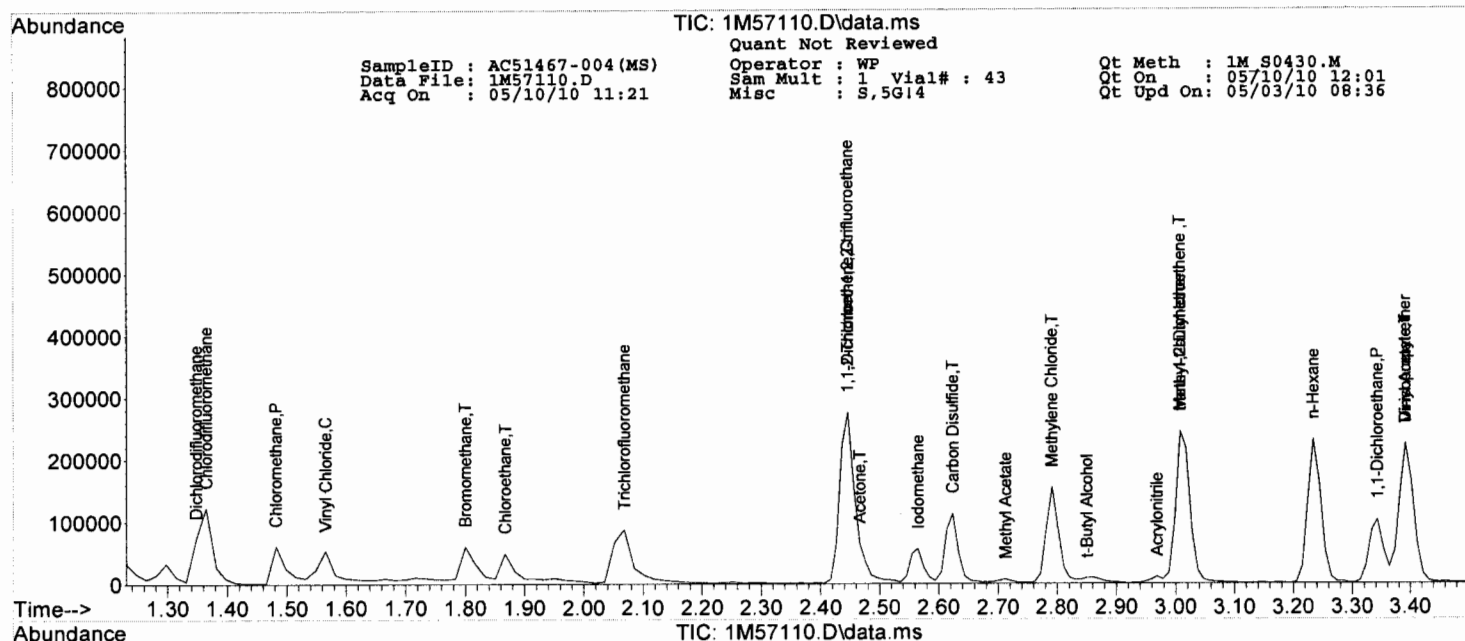
Quantitation Report (Not Reviewed)

SampleID : AC51467-004 (MS) Operator : WP Qt Meth : 1M_S0430.M
 Data File: 1M57110.D Sam Mult : 1 Vial# : 43 Qt On : 05/10/10 12:01
 Acq On : 05/10/10 11:21 Misc : S,5G!4 Qt Upd On: 05/03/10 08:36

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-10-10\
 Qt Path : G:\GcMsData\2010\GCMS_1\MethodQt\
 Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
72) 1,3-Dichlorobenzene	7.806	146	63596	19.21	ug/l	97
73) 1,4-Dichlorobenzene	7.856	146	60376	17.62	ug/l	98
74) 1,2-Dichlorobenzene	8.102	146	56569	18.70	ug/l	98
75) Isopropylbenzene	7.018	105	209478	33.27	ug/l	99
77) 1,2,3-Trichloropropane	7.225	75	29832	22.91	ug/l	95
78) 2-Chlorotoluene	7.343	91	105120	27.63	ug/l	95
79) p-Ethyltoluene	7.333	105	135696	18.83	ug/l	95
80) 4-Chlorotoluene	7.402	91	73512	19.84	ug/l	99
81) n-Propylbenzene	7.274	91	234531	29.29	ug/l	98
82) Bromobenzene	7.225	77	80585	21.72	ug/l	92
83) 1,3,5-Trimethylbenzene	7.363	105	140272	26.40	ug/l	46
84) t-Butylbenzene	7.580	119	168309	32.42	ug/l	97
85) 1,2,4-Trimethylbenzene	7.609	105	144286	27.15	ug/l	96
86) sec-Butylbenzene	7.718	105	219105	32.36	ug/l	99
87) 4-Isopropyltoluene	7.796	119	127273	23.56	ug/l	93
88) n-Butylbenzene	8.053	91	160635	24.08	ug/l	99
89) p-Diethylbenzene	8.033	119	74379	20.46	ug/l	94
90) 1,2,4,5-Tetramethylben...	8.535	119	89658	17.01	ug/l	97
91) 1,2-Dibromo-3-Chloropr...	8.594	157	3932	18.08	ug/l	96
92) Hexachlorobutadiene	9.235	225	61551	19.07	ug/l	99
93) 1,2,4-Trichlorobenzene	9.136	180	26641	9.53	ug/l	92
94) 1,2,3-Trichlorobenzene	9.471	180	21091	8.33	ug/l	88
95) Naphthalene	9.314	128	29656	10.35	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed



SampleID : AC51467-004 (MSD) Operator : WP Qt Meth : 1M_S0430.M
 Data File: 1M57111.D Sam Mult : 1 Vial# : 44 Qt On : 05/10/10 12:45
 Acq On : 05/10/10 11:37 Misc : S,5G!4 Qt Upd On: 05/03/10 08:36

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-10-10\
 Qt Path : G:\GcMsData\2010\GCMS_1\MethodQt\
 Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.586	96	103423	30.00	ug/l	-0.02
48) Chlorobenzene-d5	6.428	117	78820	30.00	ug/l	0.00
63) 1,4-Dichlorobenzene-d4	7.847	152	46010	30.00	ug/l	0.00
System Monitoring Compounds						
33) Dibromofluoromethane	4.142	111	27651	30.64	ug/l	-0.02
Spiked Amount 30.000			Recovery	=	102.13%	
35) 1,2-Dichloroethane-d4	4.369	102	4954	28.05	ug/l	-0.02
Spiked Amount 30.000			Recovery	=	93.50%	
59) Toluene-d8	5.561	100	73225	31.66	ug/l	0.00
Spiked Amount 30.000			Recovery	=	105.53%	
67) Bromofluorobenzene	7.127	174	49064	35.30	ug/l	0.00
Spiked Amount 30.000			Recovery	=	117.67%	
Target Compounds						
						Qvalue
5) Chlorodifluoromethane	1.360	51	89346	42.77	ug/l	1
6) Dichlorodifluoromethane	1.360	85	38539	27.49	ug/l	98
7) Chloromethane	1.477	50	52324	40.96	ug/l	95
8) Bromomethane	1.795	94	16695	24.75	ug/l	93
9) Vinyl Chloride	1.561	62	42595	42.15	ug/l	95
10) Chloroethane	1.879	64	19988	28.97	ug/l	95
11) Trichlorofluoromethane	2.064	101	79168	40.51	ug/l	96
12) 1,1,2-Trichloro-1,2,2-...	2.448	101	40444	42.80	ug/l	95
13) Methylene Chloride	2.792	84	43420	35.04	ug/l	92
15) Acrylonitrile	2.970	53	5704	24.61	ug/l	77
16) Iodomethane	2.566	142	44540	20.72	ug/l	66
17) Acetone	2.467	43	24731	145.48	ug/l	100
18) Carbon Disulfide	2.625	76	92289	24.31	ug/l	100
19) t-Butyl Alcohol	2.852	59	5911	207.56	ug/l	73
20) n-Hexane	3.236	57	63480	39.61	ug/l	86
21) Di-isopropyl-ether	3.393	45	143399	32.39	ug/l	84
22) 1,1-Dichloroethene	2.448	61	62138	28.18	ug/l	96
23) Methyl Acetate	2.714	43	4119	7.09	ug/l	100
24) Methyl-t-butyl ether	3.009	73	54903	34.08	ug/l	84
25) 1,1-Dichloroethane	3.344	63	78927	33.31	ug/l	98
26) trans-1,2-Dichloroethene	3.009	96	36821	31.42	ug/l	70
27) cis-1,2-Dichloroethene	3.807	61	66374	29.94	ug/l	98
28) Bromochloromethane	3.985	49	35300	30.04	ug/l	78
29) 2,2-Dichloropropane	3.817	77	40833	24.40	ug/l	95
30) 1,4-Dioxane	5.029	88	12653	2394.47	ug/l	88
31) 1,1-Dichloropropene	4.290	75	61161	33.21	ug/l	96
32) Chloroform	4.034	83	76817	32.39	ug/l	97
34) Cyclohexane	4.231	56	96337	42.46	ug/l	88
36) 1,2-Dichloroethane	4.418	62	52322	39.14	ug/l	97
37) 2-Butanone	3.807	43	5128	17.36	ug/l	95
38) 1,1,1-Trichloroethane	4.182	97	66660	36.30	ug/l	91
39) Carbon Tetrachloride	4.300	117	61831	36.48	ug/l	75
40) Vinyl Acetate	3.393	43	72418	19.17	ug/l	100
41) Bromodichloromethane	5.108	83	42374	23.29	ug/l	93
42) Methylcyclohexane	4.950	83	75743	39.24	ug/l	87
43) Dibromomethane	5.029	174	29582	31.50	ug/l	86
44) 1,2-Dichloropropane	4.950	63	44709	32.77	ug/l	97
45) Trichloroethene	4.822	130	44759	32.22	ug/l	94
46) Benzene	4.428	78	164353	31.12	ug/l	100
47) tert-Amyl methyl ether	4.487	73	51663	32.62	ug/l	85
49) Dibromochloromethane	6.073	129	18720	16.46	ug/l	91
50) 2-Chloroethylvinylether	5.285	63	8968	17.21	ug/l	80
51) cis-1,3-Dichloropropene	5.384	75	31757	17.40	ug/l	95
52) trans-1,3-Dichloropropene	5.709	75	20825	14.42	ug/l	93
53) 1,1,2-Trichloroethane	5.817	97	23719	29.86	ug/l	92
54) 1,2-Dibromoethane	6.152	107	19854	23.83	ug/l	85
55) 1,3-Dichloropropane	5.925	76	45710	29.70	ug/l	95
56) 4-Methyl-2-Pentanone	5.462	43	18907	23.80	ug/l	97
57) 2-Hexanone	5.955	43	6369	12.95	ug/l	97
58) Tetrachloroethene	5.935	164	51841	35.83	ug/l	86
60) Toluene	5.600	92	97481	33.60	ug/l	97
61) 1,1,1,2-Tetrachloroethane	6.477	133	39601	33.41	ug/l	95
62) Chlorobenzene	6.438	112	92751	26.04	ug/l	99
64) Bromoform	6.940	173	10674	13.41	ug/l	85
65) Ethylbenzene	6.497	106	45408	36.36	ug/l	99
66) 1,1,2,2-Tetrachloroethane	7.177	83	25284	29.45	ug/l	99
68) Styrene	6.812	104	20957	7.04	ug/l	65
69) m&p-Xylenes	6.556	106	111456	58.17	ug/l	95
70) o-Xylene	6.802	106	64485	34.78	ug/l	93

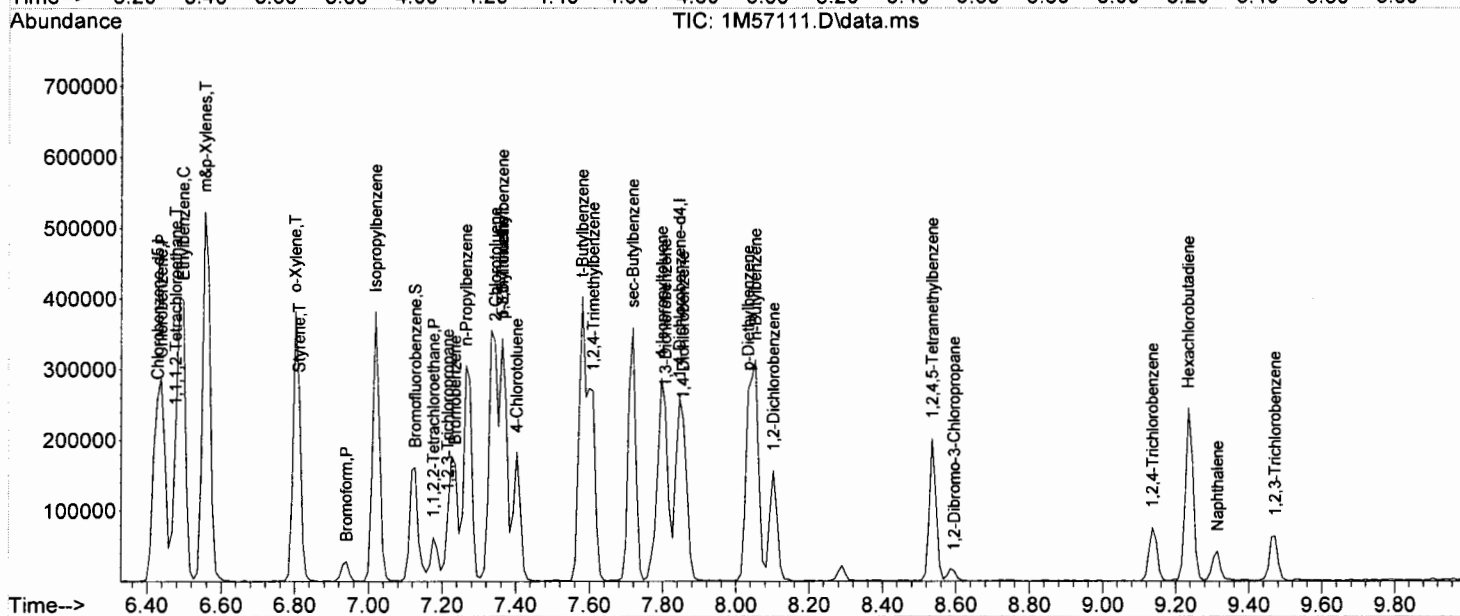
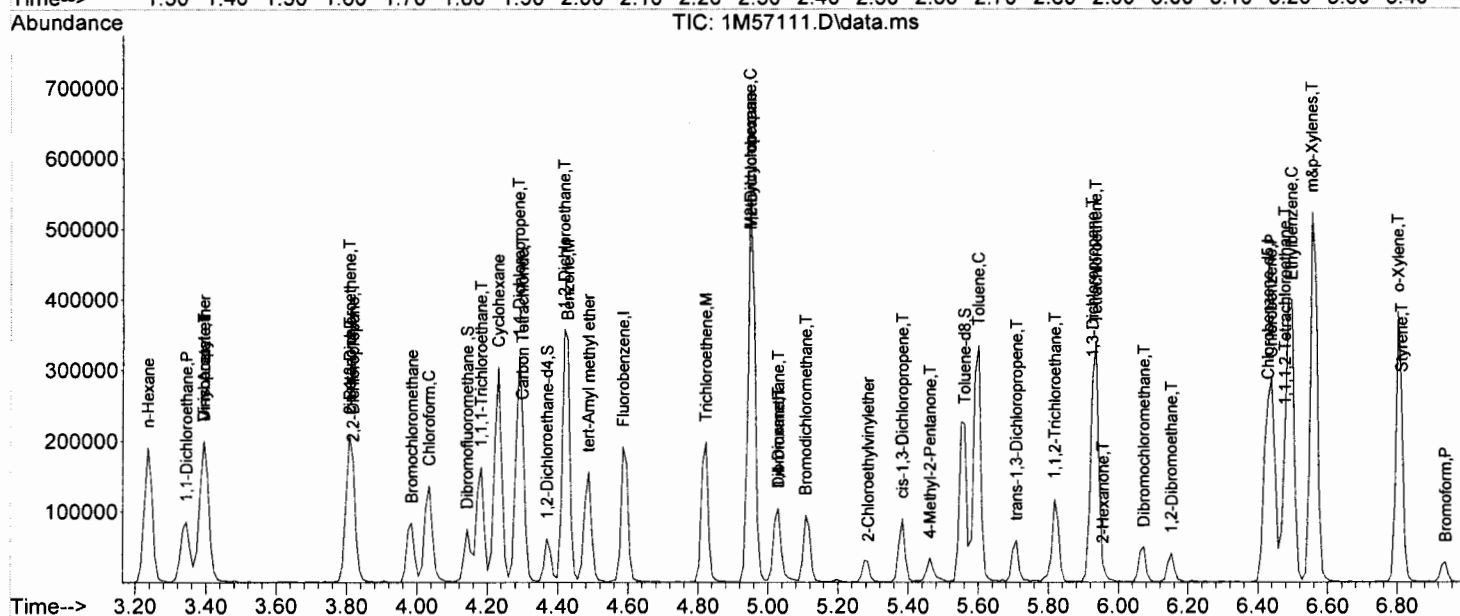
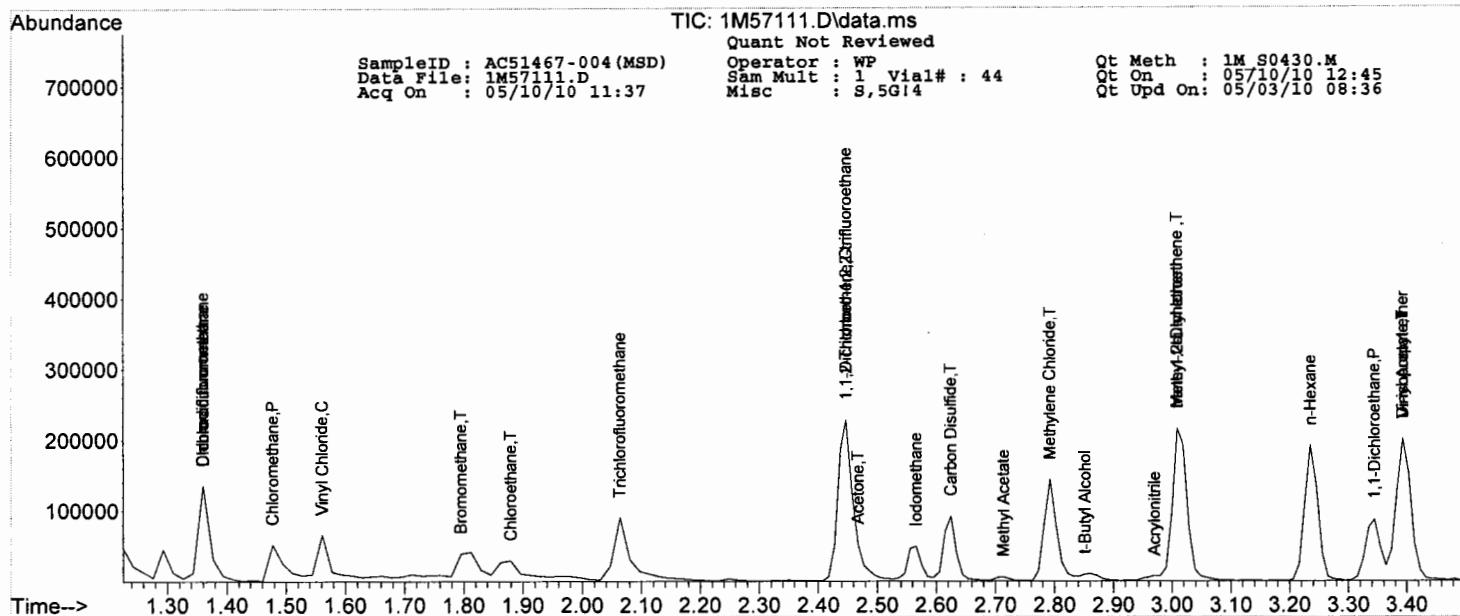
Quantitation Report (Not Reviewed)

SampleID : AC51467-004(MSD) Operator : WP Qt Meth : 1M_S0430.M
 Data File: 1M57111.D Sam Mult : 1 Vial# : 44 Qt On : 05/10/10 12:45
 Acq On : 05/10/10 11:37 Misc : S,5G!4 Qt Upd On: 05/03/10 08:36

Data Path : G:\GcMsData\2010\GCMS_1\Data\05-10-10\
 Qt Path : G:\GcMsData\2010\GCMS_1\MethodQt\
 Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
72) 1,3-Dichlorobenzene	7.807	146	59996	21.99	ug/l	98
73) 1,4-Dichlorobenzene	7.856	146	53565	18.96	ug/l	94
74) 1,2-Dichlorobenzene	8.103	146	55384	22.21	ug/l	99
75) Isopropylbenzene	7.019	105	181751	35.02	ug/l	98
77) 1,2,3-Trichloropropane	7.216	75	27797	25.89	ug/l	95
78) 2-Chlorotoluene	7.344	91	89152	28.43	ug/l	97
79) p-Ethyltoluene	7.364	105	222296	37.41	ug/l	75
80) 4-Chlorotoluene	7.403	91	61904	20.27	ug/l	96
81) n-Propylbenzene	7.265	91	197635	29.94	ug/l	95
82) Bromobenzene	7.236	77	75669	24.74	ug/l	90
83) 1,3,5-Trimethylbenzene	7.364	105	222299	50.75	ug/l	91
84) t-Butylbenzene	7.581	119	153132	35.78	ug/l	99
85) 1,2,4-Trimethylbenzene	7.610	105	130364	29.75	ug/l	97
86) sec-Butylbenzene	7.719	105	201336	36.07	ug/l	97
87) 4-Isopropyltoluene	7.797	119	87631	19.68	ug/l	97
88) n-Butylbenzene	8.054	91	147590	26.84	ug/l	99
89) p-Diethylbenzene	8.034	119	64013	21.36	ug/l	90
90) 1,2,4,5-Tetramethylben...	8.536	119	83007	19.10	ug/l	92
91) 1,2-Dibromo-3-Chloropr...	8.595	157	4493	25.06	ug/l	94
92) Hexachlorobutadiene	9.236	225	57126	21.46	ug/l	97
93) 1,2,4-Trichlorobenzene	9.137	180	25187	10.93	ug/l	91
94) 1,2,3-Trichlorobenzene	9.472	180	23948	11.48	ug/l	96
95) Naphthalene	9.315	128	28796	12.19	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed



GC/MS Volatile Data
Logbook Data



RUN LOG

Instrument: GCMS_1 Year: 2010
Analyst: WP

0383

1-1-1M56803

Data File	Sample Number	Flags	Comments	Reviewed By	Test Group	Matrix	Surr Dil	Sam Dil	Method(s)	Analysis Date
1M56803.	BFB TUNE		V-84035.V-82464.V-85535	DB						04/30 10:15
1M56805.	CAL @ 500 PPB	Oc	B-7625	DB		Soil	1	1	624 8260	04/30 10:50
1M56806.	CAL @ 250 PPB		B-7625	DB		Soil	1	1	624 8260	04/30 11:06
1M56807.	CAL @ 100 PPB		B-7625	DB		Soil	1	1	624 8260	04/30 11:23
1M56808.	CAL @ 50 PPB		B-7625	DB		Soil	1	1	624 8260	04/30 11:39
1M56809.	CAL @ 20 PPB		B-7625	DB		Soil	1	1	624 8260	04/30 11:55
1M56810.	CAL @ 10 PPB		B-7625	DB		Soil	1	1	624 8260	04/30 12:11
1M56811.	CAL @ 5 PPB		B-7625	DB		Soil	1	1	624 8260	04/30 12:27
1M56812.	BLK	Is	-	DB		Soil	1	1	8260	04/30 12:44
1M56813.	CAL @ 1 PPB		B-7625	DB		Soil	1	1	624 8260	04/30 13:00
1M56814.	CAL @ 0.5 PPB		B-7625	DB		Soil	1	1	624 8260	04/30 13:16
1M56815.	ICV	IvoSd	V-85685	DB		Soil	2.5	1	8260	04/30 13:32
1M56816.	STD	Sd	-	DB		Soil	2.5	1	8260	04/30 13:48
1M56817.	BLK		-	DB		Soil	1	1	8260	04/30 14:05
1M56818.	DAILY BLANK		OK	KL		Soil	1	1	8260	04/30 14:21
1M56819.	AC51213-016		OK	KL	ERROR	Soil	1	1	8260	04/30 14:42
1M56820.	MBS15885		- MBS15885	DB		Soil	1	1	8260	04/30 14:58
1M56821.	BLK		-	DB		Soil	1	1	8260	04/30 15:15
1M56822.	AC51081-001		OK	DB	VOSTARS-82	Soil	1	1	8260	04/30 15:31
1M56823.	AC51081-002		OK MBS15886	DB	VOSTARS-82	Soil	1	1	8260	04/30 15:47
1M56824.	MBS15886		OK MBS15886	DB		Soil	1	1	8260	04/30 16:03
1M56825.	AC51081-003		OK	DB	VOSTARS-82	Soil	1	1	8260	04/30 16:20
1M56826.	AC51081-004	S8Ao	RR-5g	DB	VOSTARS-82	Soil	1	1	8260	04/30 16:36
1M56827.	AC51235-001		OK	DB	VOBTEX-826	Soil	1	1	8260	04/30 16:52
1M56828.	AC51195-003		OK	DB	VO-PA-FO82	Soil	1	1	8260	04/30 17:08
1M56829.	AC51195-005		OK	DB	VO-PA-FO82	Soil	1	1	8260	04/30 17:24
1M56830.	AC51081-002(MS)		OK MBS15886	DB	VOSTARS-82	Soil	1	1	8260	04/30 17:40
1M56831.	AC51081-002(MSD)		OK MBS15886	DB	VOSTARS-82	Soil	1	1	8260	04/30 17:57
1M56832.	BLK		-	DB		Soil	1	1	8260	04/30 18:13
1M56833.	AC51313-001		OK	DB	VO10-8260	Soil	1	1	8260	04/30 18:29
1M56834.	AC51313-002		OK	DB	VO10-8260	Soil	1	1	8260	04/30 18:45
1M56835.	AC51313-003		OK	DB	VO10-8260	Soil	1	1	8260	04/30 19:01
1M56836.	AC51313-004		OK	DB	VO10-8260	Soil	1	1	8260	04/30 19:18
1M56837.	AC51313-005	S8	RR-5g	DB	VO10-8260	Soil	1	1	8260	04/30 19:34
1M56838.	AC51313-006		OK	DB	VO10-8260	Soil	1	1	8260	04/30 19:50
1M56839.	AC51313-007		OK	DB	VO10-8260	Soil	1	1	8260	04/30 20:06
1M56840.	AC51314-010		OK	DB	VO10-8260	Soil	1	1	8260	04/30 20:22
1M56841.	AC51326-001		OK	DB	VO-8260	Soil	1	1	8260	04/30 20:38
1M56842.	AC51257-001(5X)	S8Oc	2ND RUN	DB	VO-8260	Soil	1	5	8260	04/30 20:55
1M56843.	BLK		-	DB		Soil	1	1	8260	04/30 21:11
1M56844.	AC51258-001(5X)		OK	DB	VO10-8260	Soil	1	5	8260	04/30 21:27
1M56845.	BLK		-	DB		Soil	1	1	8260	04/30 21:43
1M56846.	BLK		-	DB		Soil	1	1	8260	04/30 22:00
1M56847.	BLK	S8Ti8	-	DB		Soil	1	1	8260	04/30 22:16
1M56848.	BLK	Ti8	-	DB		Soil	1	1	8260	04/30 22:32
1M56849.	BLK	Ti8	-	DB		Soil	1	1	8260	04/30 22:48
1M56850.	BLK	Ti8	-	DB		Soil	1	1	8260	04/30 23:05
1M56851.	BLK	S8Ti8	-	DB		Soil	1	1	8260	04/30 23:21

Ans	Area Not Checked	En	Extraction Performed Past Hold	Co	Warning Possible Carry Over
Ans	Area Out	Esm	Solvent Extraction Date Missing/Not checked	EvF	Eval Mix Failed
B6m	Blank 800 series missing	Ein	Toln/Solvent Extraction Date Missing/Not checked	Evnc	Eval Mix Not Checked
B8m	Blank 8000 series missing	Ein	Toln Extraction Performed Outside of Hold	Evnc	Eval Mix missing rdt or endrin
Bnf	Blank Not Found/Assigned	Ev	Eval Time Exceeded	R16 R28	Rnd Out on MsMsd (col1 and nr col2) 800 series
C16	Calibration Column 1 Out (800 Series)	Hb	Analysis Before Collection Date	R18 R28	Rnd Out on MsMsd (col1 and nr col2) 8000 series
C18	Calibration Column 1 Out (8000 Series)	Hb	Sample Analyzed outside of hold time	Rn	Retention Time Out Or %Diff Out
C26	Calibration Column 2 Out (800 Series)	I16 I28	Initial cal 800 series failed Column 1 and or 2	Rtn	Can't Calculate Drift
C28	Calibration Column 2 Out (8000 Series)	I18 I28	Initial cal 8000 series failed Column 1 and or 2	S6	800 series surrogate out
C6f	800 series sample/blank did not have passing cal	Is	Initial Cal Not Checked	S8	8000 series surrogate out
C8f	8000 series sample/blank did not have passing cal	Iv	Prob with calcol.csv for init calibration check rfs	Sa6 Sb6	Acid and or BN Surrogate Out (800 series)
Cme	Endline Cal missing for sample (8000 series)	Iw	Initial cal warning. In cal file <> method.	Sa8 Sb8	Acid and or BN Surrogate Out (8000 series)
Cn	Calibration Not Checked for sample/blank/eval	Iv	Initial Cal Files Not Updated Properly for a sample	Sd	Surrogate Diluted Out
D1n D2n	Drift Out Column 1 or Column 2 Cals or Init Cals	M16 M26	Snake Out Col 1 and or Col 2 800 series	Snc	Surrogate Not Checked
Dnc	Drift Not Checked	M16a M16b	Snake Out Col 1 800 series Acid and nr BN	T15	Outside of 500 series Tune time
Dn	Drift Out	M18 M28	Snake Out Col 1 and nr Col 2 8000 series	T16	Outside of 800 series Tune time/Cal Time
Eha	An Extraction Before Collection Date	M18a M18b	Snake Out Col 1 8000 series Acid and nr BN	Ti8	Outside of 8000 series Tune time/Cal Time
Emp	Problem Checking Prep/rundates modchecknrunn	Mnc	Snake Not Checked for this ms/msd	Tm	Tnn Many Samples/ for beginning Calibration
En	Eval Time Not Checked	Oc	Warning Compound(s) Over Calibration	Tmw	If for 800 ser Too many samples begin Calibration



RUN LOG

Instrument: GCMS_1 Year: 2010
Analyst: WP

0384

1-1-1M57001

Data File	Sample Number	Flags	Comments	Reviewed By	Test Group	Matrix	Surr Dil	Sam Dil	Method(s)	Analysis Date
1M57001	BFB TUNE		V-84035,V-85946,V-82464,V-85763	DB						05/06 06:36
1M57002	CAL @ 50 PPB	C16	OK	DB		Soil	0.4	1	624 8260	05/06 06:46
1M57003	BLK		-	DB		Soil	1	1	8260	05/06 07:19
1M57004	BLK		-	DB		Soil	1	1	8260	05/06 08:11
1M57005	BLK	S8	-	DB		Soil	1	1	8260	05/06 08:27
1M57006	51314-010		-	DB		Soil	1	1	8260	05/06 08:44
1M57007	STDTEST		-	DB		Soil	1	1	8260	05/06 09:00
1M57008	BLK	S8AoRo	-	DB		Soil	1	1	8260	05/06 09:42
1M57009	STDTEST		-	DB		Soil	1	1	8260	05/06 09:58
1M57010	BLK		-	DB		Soil	1	1	8260	05/06 10:17
1M57011	DAILY BLANK		OK	DB		Soil	1	1	8260	05/06 10:33
1M57012	MBS15943		OK MBS15943	DB		Soil	1	1	8260	05/06 10:58
1M57013	BLK		-	DB		Soil	1	1	8260	05/06 11:14
1M57014	AC51371-005		OK	DB	VO10-8260	Soil	1	1	8260	05/06 11:30
1M57015	AC51404-001		OK	DB	VO-8260	Soil	1	1	8260	05/06 11:47
1M57016	AC51404-006	S8Ao	RR-5g	DB	VO-8260	Soil	1	1	8260	05/06 12:03
1M57017	AC51404-007		OK	DB	VO-8260	Soil	1	1	8260	05/06 12:19
1M57018	AC51420-012	Ao	RR-5g	DB	VO15-8260	Soil	1	1	8260	05/06 12:36
1M57019	AC51387-005(5X)		OK	DB	VO10-8260	Soil	1	5	8260	05/06 12:52
1M57020	BLK		-	DB		Soil	1	1	8260	05/06 13:08
1M57021	AC51354-001	S8Oc	2ND RUN	DB	VO-8260	Soil	1	1	8260	05/06 13:24
1M57022	BLK		-	DB		Soil	1	1	8260	05/06 13:41
1M57023	BLK		-	DB		Soil	1	1	8260	05/06 13:57
1M57024	AC51408-001	S8Ao	RR-5g	DB	VO10-8260	Soil	1	1	8260	05/06 14:13
1M57025	AC51408-002	S8Ao	RR-5g	DB	VO10-8260	Soil	1	1	8260	05/06 14:30
1M57026	AC51408-003		OK	DB	VO10-8260	Soil	1	1	8260	05/06 14:46
1M57027	AC51404-006	S8Ao	Confirms surr.	KL	VO-8260	Soil	1	1	8260	05/06 15:02
1M57028	AC51408-004		OK	DB	VO10-8260	Soil	1	1	8260	05/06 15:19
1M57029	AC51408-007		OK	DB	VO10-8260	Soil	1	1	8260	05/06 15:35
1M57030	AC51408-008		OK	DB	VO10-8260	Soil	1	1	8260	05/06 15:51
1M57031	AC51408-009		OK	DB	VO10-8260	Soil	1	1	8260	05/06 16:08
1M57032	BLK(050610)		OK	DB		Soil	1	5061	8260	05/06 16:24
1M57033	AC51351-012	S8	2ND RUN	DB	VO10-8260	Soil	1	1	8260	05/06 16:40
1M57034	AC51404-004(MS)		OK MBS15943	DB	VO-8260	Soil	1	1	8260	05/06 16:56
1M57035	AC51404-004(MSD)		OK MBS15943	DB	VO-8260	Soil	1	1	8260	05/06 17:13
1M57036	BLK	S8	-	DB		Soil	1	1	8260	05/06 17:29
1M57037	AC51408-001	S8Ao	2ND RUN	DB	VO10-8260	Soil	1	1	8260	05/06 17:45

Anc	Area Not Checked	En	Extraction Performed Past Hold	Cn	Warning Possible Carry Over
An	Area Out	Exm	Solvent Extraction Date Missin/Not check'd	EvF	Eval Mix Failed
B6m	Blank 600 series missing	Etn	Tol/Solvent/Extraction Date Missin/Not check'd	Evnc	Eval Mix Not Checked
B6m	Blank 8000 series missing	Etn	Tol/Extraction Performed Outside of Hold	Evrc	Eval Mix missing dtd or endrin
Bnf	Blank Not Found/Assumed	Ev	Eval Time Extended	R16 R26	Rnd Out on MSMSd (col1 and nr col2) 600 series
C16	Calibration Column 1 Out (8000 Series)	Hb	Analysis Before Collection Date	R18 R28	Rnd Out on MSMSd (col1 and nr col2) 8000 series
C18	Calibration Column 1 Out (8000 Series)	Ho	Sample Analyzed outside of hold time	Ro	Retention Time Out Or %Diff Out
C26	Calibration Column 2 Out (8000 Series)	I16 I26	Initial cal 600 series failed Column 1 and or 2	Rtn	Can't Calculate Drift
C28	Calibration Column 2 Out (8000 Series)	I18 I28	Initial cal 8000 series failed Column 1 and or 2	S6	600 series surrogate out
C6f	600 series sample/blank did not have passing cal	Is	Initial Cal Not Checked	S8	8000 series surrogate out
C8f	8000 series sample/blank did not have passing cal	Iv	Prnh with calrpt.csv for init calibration check rfs	Sa6 Sb6	Acid and or BN Surrogate Out (600 series)
Cm	Endrin Cal missing for sample (8000 series)	Iw	Initial cal warning. Ini cal file <> method.	Sa8 Sb8	Acid and or BN Surrogate Out (8000 series)
Cn	Calibration Not Checked for sample/blank/eval	Ix	Initial Cal Files Not Uploaded Properly for a sample	Sd	Surrogate Diluted Out
D1n D2n	Drift Out Column 1 or Column 2 Cals or Init Cals	M16 M26	Spike Out Cnl 1 and or Cnl 2 800 series	Snc	Surrogate Not Checked
Dnc	Drift Not Checked	M16a M16h	Spoke Out Cnl 1 800 series Acid and or BN	T16	Outside of 500 series Tune time
Do	Drift Out	M18 M28	Spoke Out Cnl 1 and or Cnl 2 8000 series	T18	Outside of 800 series Tune time/Cal Time
Eha	An Extraction Before Collection Date	M18a M18h	Spoke Out Cnl 1 8000 series Acid and or BN	Tm	Too Many Samples/ for beginning Calibration
Emn	Problem Checkinng Prcn/updates modchecknrcnrcnd	Mnc	Spoke Not Checked for this ms/msd	Tmw	If for 800 ser Too many samples begin Calibration
En	Eval Time Not Checked	Oc	Warning Compound(s) Over Calibration		



RUN LOG

Instrument: GCMS_1 Year: 2010
Analyst: SG

0385

1-1-1M57040

Data File	Sample Number	Flags	Comments	Reviewed By	Test Group	Matrix	Surr Dil	Sam Dil	Method(s)	Analysis Date
1M57040.	BFB TUNE		V-84035.V-85965.V-82464.V-85763	DB						05/07 05:35
1M57041.	CAL @ 50 PPB	C16	OK	DB		Soil	0.4	1	624 8260	05/07 06:10
1M57042.	BLK	S8	-	DB		Soil	1	1	8260	05/07 06:32
1M57043.	DAILY BLANK		OK	DB		Soil	1	1	8260	05/07 06:48
1M57044.	BLK		-	DB		Soil	1	1	8260	05/07 07:04
1M57045.	AC51408-002	S8Ao	2ND RUN	DB	VO10-8260	Soil	1	1	8260	05/07 07:20
1M57046.	MBS15952		OK MBS15952	DB		Soil	1	1	8260	05/07 07:37
1M57047.	BLK		-	DB		Soil	1	1	8260	05/07 07:53
1M57048.	AC51262-008		OK	DB	VO10-8260	Soil	1	1	8260	05/07 08:09
1M57049.	AC51332-007	S8Ao	RR-5g	DB	VO10-8260	Soil	1	1	8260	05/07 08:25
1M57050.	AC51439-001		OK	DB	VO10-8260	Soil	1	1	8260	05/07 08:41
1M57051.	AC51439-002		OK	DB	VO10-8260	Soil	1	1	8260	05/07 08:58
1M57052.	AC51439-003		OK	DB	VO10-8260	Soil	1	1	8260	05/07 09:14
1M57053.	AC51439-004		OK	DB	VO10-8260	Soil	1	1	8260	05/07 09:30
1M57054.	AC51439-005		OK	DB	VO10-8260	Soil	1	1	8260	05/07 09:46
1M57055.	AC51439-006		OK	DB	VO10-8260	Soil	1	1	8260	05/07 10:03
1M57056.	AC51439-007		OK	DB	VO10-8260	Soil	1	1	8260	05/07 10:19
1M57057.	AC51338-002		OK	DB	VO10-8260	Soil	1	1	8260	05/07 10:35
1M57058.	AC51387-003		OK	DB	VO10-8260	Soil	1	1	8260	05/07 10:51
1M57059.	AC51387-001		OK	DB	VO10-8260	Soil	1	1	8260	05/07 11:07
1M57060.	AC51387-004	S8Ao	RR-5g - DIRTY	DB	VO10-8260	Soil	1	1	8260	05/07 11:24
1M57061.	BLK		-	DB		Soil	1	1	8260	05/07 11:40
1M57062.	AC51420-012	S8Ao	2ND RUN	DB	VO15-8260	Soil	1	1	8260	05/07 11:56
1M57063.	BLK		-	DB		Soil	1	1	8260	05/07 12:12
1M57064.	AC51420-011	S8AoOc	RR-5g - DIRTY	DB	VO15-8260	Soil	1	1	8260	05/07 12:28
1M57065.	BLK		-	DB		Soil	1	1	8260	05/07 12:45
1M57066.	AC51404-005(MS)		OK MBS15952	DB	VO-8260	Soil	1	1	8260	05/07 13:03
1M57067.	AC51404-005(MSD)		OK MBS15952	DB	VO-8260	Soil	1	1	8260	05/07 13:19
1M57068.	AC51387-004	Ao	OK	DB	VO10-8260	Soil	1	1	8260	05/07 13:35
1M57069.	AC51420-011	AoOc	OK, 2ND RUN	DB	VO15-8260	Soil	1	1	8260	05/07 13:51
1M57070.	AC51467-004		OK	DB	VO-8260	Soil	1	1	8260	05/07 14:07
1M57071.	AC51467-003		OK	DB	VO-8260	Soil	1	1	8260	05/07 14:24
1M57072.	AC51467-002		OK	DB	VO-8260	Soil	1	1	8260	05/07 14:40
1M57073.	51467-001	S8	-	DB		Soil	1	1	8260	05/07 14:56
1M57074.	BLK		-	DB		Soil	1	1	8260	05/07 15:12
1M57075.	AC51332-007	Ao	OK	DB	VO10-8260	Soil	1	1	8260	05/07 15:29

Anc	Area Not Checked	En	Extraction Performed Past Hold	Cn	Warning Possible Carry Over
An	Area Out	Exm	Solvent Extraction Date Missing/Not check'd	EvF	Eval Mix Failed
B8m	Blank 8000 series mission	Etn	Toto/Solvent Extraction Date Missing/Not check'd	Evnc	Eval Mix Not Checked
B8m	Blank 8000 series mission	Ev	Toto Extraction Performed Outside of Hold	Evrc	Eval Mix mission diff or endrin
Bnf	Blank Not Found/Assigned	Ev	Eval Time Exceeded	R18 R26	Ret Out no McMed (col1 and nr col2) 8000 series
C16	Calibration Column 1 Out (8000 Series)	Hb	Analysis Before Collection Date	R18 R28	Ret Out no McMed (col1 and nr col2) 8000 series
C18	Calibration Column 1 Out (8000 Series)	Hn	Sample Analyzed outside of hold time	Rn	Retention Time Out Or %Diff Out
C26	Calibration Column 2 Out (8000 Series)	I16 I26	Initial cal 8000 series failed Column 1 and nr 2	Rtn	Can't Calculate Diff
C28	Calibration Column 2 Out (8000 Series)	I18 I28	Initial cal 8000 series failed Column 1 and nr 2	S6	800 series surrogate out
C8f	8000 series sample/blank did not have passing cal	Is	Initial Cal Not Checked	S8	8000 series surrogate out
C8f	8000 series sample/blank did not have passing cal	Iv	Prob with calint csv for init calibration check rfs	Sa6 Sb6	Acid and or BN Surrogate Out (800 series)
Cme	Endline Cal mission for sample (8000 series)	Iw	Initial cal warning. Ini cal file <> method	Sa8 Sb8	Acid and or BN Surrogate Out (8000 series)
Cn	Calibration Not Checked for sample/blank/level	Iv	Initial Cal Files Not Updated Properly for a sample	Sd	Surrogate Diluted Out
D1n D2n	Drift Out Column 1 or Column 2 Cals or Init Cals	M16 M26	Snake Out Col 1 and nr Col 2 8000 series	Snc	Surrogate Not Checked
Dnc	Drift Not Checked	M16a M18h	Snake Out Col 1 8000 series Acid and nr BN	T15	Outside of 500 series Tune time
Dn	Drift Out	M18 M26	Snake Out Col 1 and nr Col 2 8000 series	T16	Outside of 800 series Tune time/Cal Time
Eha	An Extraction Before Collection Date	M18a M18h	Snake Out Col 1 8000 series Acid and nr BN	T18	Outside of 800 series Tune time/Cal Time
Emn	Problem Checkinng Prac/rundates modchecknrununda	Mnc	Snake Not Checked for this ms/msd	Tm	Tnn Manv Samnles/ for beoinninn Calibration
En	Eval Time Not Checked	Oc	Warning Compound(s) Over Calibration	Tmw	If for 800 ser Tnn manv samnles beoin Calibration

RUN LOG

Instrument: GCMS_1 Year: 2010
Analyst: WP

1-1-1M57095

Data File	Sample Number	Flags	Comments	Reviewed By	Test Group	Matrix	Surr Dil	Sam Dil	Method(s)	Analysis Date
1M57095.	BFB TUNE		V-84035.V-86038.V-82464.V-85763	DB						05/10 06:49
1M57096.	CAL @ 50 PPB	C16	OK	DB		Soil	0.4	1	624 8260	05/10 07:27
1M57097.	BLK		-	DB		Soil	1	1	8260	05/10 07:49
1M57098.	DAILY BLANK		OK	DB		Soil	1	1	8260	05/10 08:05
1M57099.	BLK		-	DB		Soil	1	1	8260	05/10 08:23
1M57100.	AC51421-001	Oc	OK	DB	VO-8260	Soil	1	1	8260	05/10 08:40
1M57101.	AC51387-006(5X)	S8Ao	RR-1q	DB	VO10-8260	Soil	1	5	8260	05/10 08:56
1M57102.	AC51387-002(5X)	S8AoOc	RR-1q	DB	VO10-8260	Soil	1	5	8260	05/10 09:12
1M57103.	MBS15984		OK MBS15984	DB		Soil	1	1	8260	05/10 09:28
1M57104.	BLK		-	DB		Soil	1	1	8260	05/10 09:44
1M57105.	AC51456-006		OK	DB	VO-8260	Soil	1	1	8260	05/10 10:00
1M57106.	AC51446-007	Oc	RR-1q	DB	VO15-8260	Soil	1	1	8260	05/10 10:16
1M57107.	AC51447-001		OK	DB	VO-8260	Soil	1	1	8260	05/10 10:33
1M57108.	AC51432-002		OK	DB	VO10-8260	Soil	1	1	8260	05/10 10:49
1M57109.	MBS15991		OK MBS15991	DB		Soil	1	1	8260	05/10 11:05
1M57110.	AC51467-004(MS)		OK MBS15991	DB	VO-8260	Soil	1	1	8260	05/10 11:21
1M57111.	AC51467-004(MSD)		OK MBS15991	DB	VO-8260	Soil	1	1	8260	05/10 11:37
1M57112.	BLK		-	DB		Soil	1	1	8260	05/10 11:53
1M57113.	AC51446-003		OK	DB	VO15-8260	Soil	1	1	8260	05/10 12:09
1M57114.	AC51446-007	S8Ao	RR	DB	VO15-8260	Soil	1	1	8260	05/10 12:26
1M57115.	AC51456-007		OK	DB	VO-8260	Soil	1	1	8260	05/10 12:42
1M57116.	AC51456-005	S8Ao	RR-5q	DB	VO-8260	Soil	1	1	8260	05/10 12:58
1M57117.	AC51456-004		OK	DB	VO-8260	Soil	1	1	8260	05/10 13:14
1M57118.	AC51456-003		OK	DB	VO-8260	Soil	1	1	8260	05/10 13:30
1M57119.	AC51456-002	S8Ao	RR-5q	DB	VO-8260	Soil	1	1	8260	05/10 13:46
1M57120.	AC51456-001	Ao	RR-5q	DB	VO-8260	Soil	1	1	8260	05/10 14:02
1M57121.	BLK		-	DB		Soil	1	1	8260	05/10 14:19
1M57122.	AC51448-001		OK MBS15994	DB	VO-8260	Soil	1	1	8260	05/10 14:35
1M57123.	AC51448-002	Oc	OK	DB	VO-8260	Soil	1	1	8260	05/10 14:51
1M57124.	AC51448-003		OK	DB	VO-8260	Soil	1	1	8260	05/10 15:07
1M57125.	AC51387-006(5X)	Ao	2ND RUN	DB	VO10-8260	Soil	1	5	8260	05/10 15:24
1M57126.	AC51387-002(5X)	AoOc	2ND RUN	DB	VO10-8260	Soil	1	5	8260	05/10 15:40
1M57127.	MBS15994		OK MBS15994	DB		Soil	1	1	8260	05/10 15:57
1M57128.	AC51448-001(MS)		OK MBS15994	DB	VO-8260	Soil	1	1	8260	05/10 16:13
1M57129.	AC51448-001(MSD)		OK MBS15994	DB	VO-8260	Soil	1	1	8260	05/10 16:29
1M57130.	AC51456-005	S8Ao	2ND RUN	DB	VO-8260	Soil	1	1	8260	05/10 16:45
1M57131.	AC51456-002	S8Ao	2ND RUN	DB	VO-8260	Soil	1	1	8260	05/10 17:01
1M57132.	AC51456-001		OK	DB	VO-8260	Soil	1	1	8260	05/10 17:17
1M57133.	AC51448-005		OK	DB	VO-8260	Soil	1	1	8260	05/10 17:34
1M57134.	AC51455-014		OK	DB	VO-8260	Soil	1	1	8260	05/10 17:50
1M57135.	AC51455-019		OK	DB	ERROR	Soil	1	1	8260	05/10 18:06
1M57136.	AC51455-020	Ao	OK	DB	ERROR	Soil	1	1	8260	05/10 18:22
1M57137.	AC51455-022		OK	DB	ERROR	Soil	1	1	8260	05/10 18:38
1M57138.	BLK	Ti8	-	DB		Soil	1	1	8260	05/10 18:54
1M57139.	BLK	Ti8	-	DB		Soil	1	1	8260	05/10 19:11
1M57140.	BLK	Ti8	-	DB		Soil	1	1	8260	05/10 19:27
1M57141.	BLK	Ti8	-	DB		Soil	1	1	8260	05/10 19:43

Anc	Area Not Checked	En	Extraction Performed Past Hold	Cn	Warning Possible Carry Over
An	Area Out	Esm	Solvent Extraction Date Missing/Not checked	EvF	Eval Mix Failed
R6m	Blank 600 series missing	Etn	Tolu/Solvent Extraction Date Missing/Not checked	Evnc	Eval Mix Not Checked
R8m	Blank 8000 series missing	Eto	Tolu Extraction Performed Outside of Hold	Evrc	Eval Mix missing drift or addn
Rnf	Blank Not Found/Assigned	Ev	Eval Time Exceeded	R18 R26	Ret Out on MSMSd (n01 and or n02) 600 series
C16	Calibration Column 1 Out (600 Series)	Hb	Analysis Before Collection Date	R18 R26	Ret Out on MSMSd (n01 and or n02) 8000 series
C18	Calibration Column 1 Out (8000 Series)	Ho	Sample Analyzed outside of hold time	Rn	Retention Time Out Or %Diff Out
C26	Calibration Column 2 Out (600 Series)	I16 I26	Initial cal 600 series failed. Column 1 and or 2	Rtn	Can't Calculate Drift
C28	Calibration Column 2 Out (8000 Series)	I18 I28	Initial cal 8000 series failed. Column 1 and or 2	S6	600 series surrogate out
C8f	600 series sample/blank did not have missing cal	Is	Initial Cal Not Checked	S8	8000 series surrogate out
C8f	8000 series sample/blank did not have missing cal	Iv	Prob with calcol csv for init calibration check rfs	Sa6 Sh6	Acid and or BN Surrogate Out (600 series)
Cme	Endline Cal missing for sample (8000 series)	Iw	Initial cal warning. In cal file <> method	Sa8 Sh8	Acid and or BN Surrogate Out (8000 series)
Cn	Calibration Not Checked for sample/blank/eval	Ix	Initial Cal Files Not Updated Properly for a sample	Sd	Surrogate Diluted Out
D1o D2o	Drift Out Column 1 or Column 2 Cals or Init Cals	M16 M26	Snake Out Col 1 and or Col 2 600 series	Snc	Surrogate Not Checked
Dnc	Drift Not Checked	M16a M16h	Snake Out Col 1 600 series Acid and or BN	T15	Outside of 500 series Tune time
Do	Drift Out	M18 M28	Snake Out Col 1 and or Col 2 8000 series	T16	Outside of 600 series Tune time/Cal Time
Eba	An Extraction Before Collection Date	M18a M18h	Snake Out Col 1 8000 series Acid and or BN	T18	Outside of 8000 series Tune time/Cal Time
Emn	Problem Checking Pre/conditionals modcheckprecondition	Mnc	Snake Not Checked for this ms/msd	Tm	Too Many Samples for beginning Calibration
En	Eval Time Not Checked	Oc	Warning Compound(s) Over Calibration	Tmw	If for 600 ser Too many samples begin Calibration

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-65724



Prepared By: Revolus, Jean		Department: Organics	ApprovedBy: jean	
Description: CYCLOHEXANONE		BatchNumber:	ApproveDate: 07/30/09	
Prep Date: 5/13/2009		Concentration: 10000 ppm	Checked: Yes	
Expiration Date: 5/13/2010		Final Volume: 10 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
2726	CYCLOHEXANONE	100 mg	NEAT	10000 ppm
4030	METHANOL	10 ml	NEAT neat	

Veritech Lot Number: V-65725



Prepared By: Revolus, Jean		Department: Organics	ApprovedBy: jean	
Description: CYCLOHEXANONE(2nd Source)		BatchNumber:	ApproveDate: 07/30/09	
Prep Date: 5/13/2009		Concentration: 10000 ppm	Checked: Yes	
Expiration Date: 5/13/2010		Final Volume: 10 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
2726	CYCLOHEXANONE	100 mg	NEAT	10000 ppm
4030	METHANOL	10 ml	NEAT neat	

Veritech Lot Number: V-80241



Prepared By: Batelli, Daniel		Department: Organics	ApprovedBy: DAN	
Description: VOA ADD MIX		BatchNumber:	ApproveDate: 01/26/10	
Prep Date: 1/25/2010		Concentration: 5000 ppm	Checked: Yes	
Expiration Date: 12/31/2010		Final Volume: 5 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
2889	1,2,4,5-TETRAMETHYLBENZENE	25 mg	NEAT	5000 ppm
2881	p-DIETHYLBENZENE	25 mg	NEAT	5000 ppm
2880	p-ETHYLTOLUENE	25 mg	NEAT	5000 ppm
1230	METHANOL	5 ml	NEAT	

Veritech Lot Number: V-80242



Prepared By: Batelli, Daniel		Department: Organics	ApprovedBy: DAN	
Description: VOA ADD MIX(2nd Source)		BatchNumber:	ApproveDate: 01/26/10	
Prep Date: 1/25/2010		Concentration: 5000 ppm	Checked: Yes	
Expiration Date: 12/31/2010		Final Volume: 5 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
2889	1,2,4,5-TETRAMETHYLBENZENE	25 mg	NEAT	5000 ppm
2881	p-DIETHYLBENZENE	25 mg	NEAT	5000 ppm
2880	p-ETHYLTOLUENE	25 mg	NEAT	5000 ppm
1230	METHANOL	5 ml	NEAT	

Veritech Lot Number: V-82356



Prepared By: Revolus, Jean		Department: Organics	ApprovedBy: jean	
Description: VOA STOCK INT/SURR MIX		BatchNumber:	ApproveDate: 03/09/10	
Prep Date: 3/9/2010		Concentration: 1500 ppm	Checked: Yes	
Expiration Date: 3/9/2011		Final Volume: 100 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
3178	1,2-Dichloroethane-d4	150 mg	NEAT	1500 ppm
1297	TOLUENE-D8	150 mg	NEAT	1500 ppm
1295	CHLOROBENZENE-D5	150 mg	NEAT	1500 ppm
2615	1,4-Dichlorobenzene-d4	150 mg	neat neat	1500 ppm
3661	Fluorobenzene	150 mg	NEAT	1500 ppm
3693	Dibromofluoromethane	150 mg	NEAT	1500 ppm
4372	Methanol	100 ml	neat	
777	1-bromo-4-fluorobenzene	150 mg	neat	1500 ppm

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-82464



Prepared By: Previlon, Wilner		Department: Organics	ApprovedBy: DAN	
Description: VOA WORKING INT/SURR MIX		BatchNumber:	ApproveDate: 03/15/10	
Prep Date: 3/10/2010		Concentration: 150 ppm	Checked: Yes	
Expiration Date: 9/10/2010		Final Volume: 200 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1230	METHANOL	225 ml	NEAT	
V-82356	VOA STOCK INT/SURR MIX	25 ml	1500 ppm	150 ppm

Veritech Lot Number: V-84035



Prepared By: Batelli, Daniel		Department: Organics	ApprovedBy: DAN	
Description: BFB Tune Mix		BatchNumber:	ApproveDate: 04/07/10	
Prep Date: 4/5/2010		Concentration: 50 ppm	Checked: Yes	
Expiration Date: 9/10/2010		Final Volume: 1.5 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-82464	VOA WORKING INT/SURR MIX	500 ul	150 ppm	50 ppm
1230	METHANOL	1000 ul	NEAT	

Veritech Lot Number: V-85534



Prepared By: Previlon, Wilner		Department: Organics	ApprovedBy: dan	
Description: 200ppm VOA Working Std		BatchNumber:	ApproveDate: 05/03/10	
Prep Date: 4/29/2010		Concentration: VARIOUS pp	Checked: Yes	
Expiration Date: 5/4/2010		Final Volume: 1 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
4784	VOA CAL MIX	100 ul	2000 ppm	200 ppm
1230	METHANOL	360 ul	NEAT	neat
4574	CUSTOM VOA MIX	100 ul	2000 ppm	various ppm
4599	8260 ADDITIONS MIX	100 ul	2000 ppm	200 ppm
4515	tert-Amyl Methyl Ether	100 ul	2000 ppm	200 ppm
V-80241	VOA ADD MIX	40 ul	5000 ppm	200 ppm
V-65724	CYCLOHEXANONE	100 ul	10000 ppm	1000 ppm
4600	GASES	100 ul	2000 ppm	200 ppm

Veritech Lot Number: V-85535



Prepared By: Previlon, Wilner		Department: Organics	ApprovedBy: dan	
Description: MBS		BatchNumber:	ApproveDate: 05/03/10	
Prep Date: 4/29/2010		Concentration: 100 ppm	Checked: Yes	
Expiration Date: 5/13/2010		Final Volume: 1 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
4284	8260 ADDITIONS MIX#2	50 ul	2000 ppm	100 ppm
4742	502/524 VOA CAL MIX	50 ul	2000 ppm	100 ppm
4608	VOA COMP MIX #6(GASES)	50 ul	2000 ppm	100 ppm
1308	METHANOL	680 ul	NEAT	neat neat
4575	CUSTOM VOA MIX	50 ul	2000 ppm	various ppm
V-80242	VOA ADD MIX(2nd Source)	20 ul	5000 ppm	100 ppm
V-65725	CYCLOHEXANONE(2nd Source)	50 ul	10000 ppm	500 ppm
4730	tert-Amyl Methyl Ether	50 ul	2000 ppm	100 ppm

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-85675

Prepared By: Previlon, Wilner		Department: Organics	ApprovedBy: dan	
Description: Soil8260 CAL @ 500 PPB		BatchNumber:	ApproveDate: 05/03/10	
Prep Date: 4/30/2010		Concentration: VARIOUS ppb	Checked: Yes	
Expiration Date: 5/1/2010		Final Volume: 40 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-85534	200ppm VOA Working Std	100 ul	VARIOUS pp	500 ppb
1398	p&t water	40 ml	neat neat	neat
4899	CHLORODIFLUOMETHANE(FREON#22)	100 ul	200 ppm	500 ppb

Veritech Lot Number: V-85676

Prepared By: Previlon, Wilner		Department: Organics	ApprovedBy: dan	
Description: Soil8260 CAL @ 250 PPB		BatchNumber: B-7625	ApproveDate: 05/03/10	
Prep Date: 4/30/2010		Concentration: VARIOUS ppb	Checked: Yes	
Expiration Date: 5/1/2010		Final Volume: 5 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-85675	Soil8260 CAL @ 500 PPB	2.5 ml	VARIOUS pp	250 ppb
1398	p&t water	2.5 ml	neat neat	

Veritech Lot Number: V-85677

Prepared By: Previlon, Wilner		Department: Organics	ApprovedBy: dan	
Description: Soil8260 CAL @ 100 PPB		BatchNumber: B-7625	ApproveDate: 05/03/10	
Prep Date: 4/30/2010		Concentration: VARIOUS ppb	Checked: Yes	
Expiration Date: 5/1/2010		Final Volume: 5 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1398	p&t water	4 ml	neat neat	
V-85675	Soil8260 CAL @ 500 PPB	1 ml	VARIOUS pp	100 ppb

Veritech Lot Number: V-85678

Prepared By: Previlon, Wilner		Department: Organics	ApprovedBy: dan	
Description: Soil8260 CAL @ 50 PPB		BatchNumber: B-7625	ApproveDate: 05/03/10	
Prep Date: 4/30/2010		Concentration: VARIOUS ppb	Checked: Yes	
Expiration Date: 5/1/2010		Final Volume: 5 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1398	p&t water	4.5 ml	neat neat	
V-85675	Soil8260 CAL @ 500 PPB	.5 ml	VARIOUS pp	50 ppb

Veritech Lot Number: V-85679

Prepared By: Previlon, Wilner		Department: Organics	ApprovedBy: dan	
Description: Soil8260 CAL @ 20 PPB		BatchNumber: B-7625	ApproveDate: 05/03/10	
Prep Date: 4/30/2010		Concentration: VARIOUS ppb	Checked: Yes	
Expiration Date: 5/1/2010		Final Volume: 5 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1398	p&t water	4.8 ml	neat neat	
V-85675	Soil8260 CAL @ 500 PPB	.2 ml	VARIOUS pp	20 ppb

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-85680

Prepared By: Previlon, Wilner		Department: Organics	ApprovedBy: dan	
Description: Soil8260 CAL @ 10 PPB		BatchNumber: B-7625	ApproveDate: 05/03/10	
Prep Date: 4/30/2010		Concentration: VARIOUS ppb	Checked: Yes	
Expiration Date: 5/1/2010		Final Volume: 5 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1398	p&t water	4.9 ml	neat neat	
V-85675	Soil8260 CAL @ 500 PPB	.1 ml	VARIOUS pp	10 ppb

Veritech Lot Number: V-85681

Prepared By: Previlon, Wilner		Department: Organics	ApprovedBy: dan	
Description: Soil8260 CAL @ 5 PPB		BatchNumber: B-7625	ApproveDate: 05/03/10	
Prep Date: 4/30/2010		Concentration: VARIOUS ppb	Checked: Yes	
Expiration Date: 5/1/2010		Final Volume: 5 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1398	p&t water	4.95 ml	neat neat	
V-85675	Soil8260 CAL @ 500 PPB	.05 ml	VARIOUS pp	5 ppb

Veritech Lot Number: V-85682

Prepared By: Previlon, Wilner		Department: Organics	ApprovedBy: dan	
Description: Soil8260 CAL @ 1 PPB		BatchNumber: B-7625	ApproveDate: 05/03/10	
Prep Date: 4/30/2010		Concentration: VARIOUS ppb	Checked: Yes	
Expiration Date: 5/1/2010		Final Volume: 5 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1398	p&t water	4.99 ml	neat neat	
V-85675	Soil8260 CAL @ 500 PPB	.01 ml	VARIOUS pp	1 ppb

Veritech Lot Number: V-85683

Prepared By: Previlon, Wilner		Department: Organics	ApprovedBy: dan	
Description: Soil8260 CAL @ 500 PPB		BatchNumber: B-7625	ApproveDate: 05/03/10	
Prep Date: 4/30/2010		Concentration: VARIOUS ppb	Checked: Yes	
Expiration Date: 5/1/2010		Final Volume: 5 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-85675	Soil8260 CAL @ 500 PPB	5 ml	VARIOUS pp	500 ppb

Veritech Lot Number: V-85684

Prepared By: Previlon, Wilner		Department: Organics	ApprovedBy: dan	
Description: Soil8260 CAL @ 0.5 PPB		BatchNumber: B-7625	ApproveDate: 05/03/10	
Prep Date: 4/30/2010		Concentration: VARIOUS ppb	Checked: Yes	
Expiration Date: 5/1/2010		Final Volume: 5 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1398	p&t water	4.995 ml	neat neat	
V-85675	Soil8260 CAL @ 500 PPB	.005 ml	VARIOUS pp	0.5 ppb

Veritech Lot Number: V-85685

Prepared By: Previlon, Wilner		Department: Organics	ApprovedBy: dan	
Description: ICV CAL @ 50 PPB		BatchNumber:	ApproveDate: 05/03/10	
Prep Date: 4/30/2010		Concentration: VARIOUS ppb	Checked: Yes	
Expiration Date: 5/1/2010		Final Volume: 5 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1398	p&t water	5 ml	neat neat	
V-85535	MBS	2.5 ul	100 ppm	50 ppb
4899	CHLORODIFLUOMETHANE(FREON#22)	1.25 ul	200 ppm	50 ppb

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-85760



Prepared By: Batelli, Daniel		Department: Organics	ApprovedBy: dan	
Description: CYCLOHEXANONE		BatchNumber:	ApproveDate: 05/04/10	
Prep Date: 5/3/2010		Concentration: 10000 ppm	Checked: Yes	
Expiration Date: 1/31/2011		Final Volume: 10 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
2726	CYCLOHEXANONE	100 mg	NEAT	10000 ppm
1230	METHANOL	10 ml	NEAT	

Veritech Lot Number: V-85761



Prepared By: Batelli, Daniel		Department: Organics	ApprovedBy: dan	
Description: CYCLOHEXANONE(2nd Source)		BatchNumber:	ApproveDate: 05/04/10	
Prep Date: 5/3/2010		Concentration: 10000 ppm	Checked: Yes	
Expiration Date: 1/31/2011		Final Volume: 10 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
2726	CYCLOHEXANONE	100 mg	NEAT	10000 ppm
1230	METHANOL	10 ml	NEAT	

Veritech Lot Number: V-85762



Prepared By: Batelli, Daniel		Department: Organics	ApprovedBy: dan	
Description: 200ppm VOA Working Std		BatchNumber:	ApproveDate: 05/04/10	
Prep Date: 5/4/2010		Concentration: VARIOUS pp	Checked: Yes	
Expiration Date: 6/15/2010		Final Volume: 1 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
4784	VOA CAL MIX	100 ul	2000 ppm	200 ppm
1230	METHANOL	360 ul	NEAT	neat
4574	CUSTOM VOA MIX	100 ul	2000 ppm	various ppm
4898	8260 ADDITIONS	100 ul	2000 ppm	200 ppm
4269	tert-Amyl, Methyl Ether	100 ul	2000 ppm	200 ppm
V-80241	VOA ADD MIX	40 ul	5000 ppm	200 ppm
4600	GASES	100 ul	2000 ppm	200 ppm
V-85760	CYCLOHEXANONE	100 ul	10000 ppm	1000 ppm

Veritech Lot Number: V-85763



Prepared By: Batelli, Daniel		Department: Organics	ApprovedBy: dan	
Description: MBS		BatchNumber:	ApproveDate: 05/04/10	
Prep Date: 5/4/2010		Concentration: 100 ppm	Checked: Yes	
Expiration Date: 6/15/2010		Final Volume: 1 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
4893	8260 Cal Mix 2	50 ul	2000 ppm	100 ppm
4742	502/524 VOA CAL MIX	50 ul	2000 ppm	100 ppm
4608	VOA COMP MIX #6(GASES)	50 ul	2000 ppm	100 ppm
1308	METHANOL	680 ul	NEAT	neat neat
4575	CUSTOM VOA MIX	50 ul	2000 ppm	various ppm
V-80242	VOA ADD MIX(2nd Source)	20 ul	5000 ppm	100 ppm
V-85761	CYCLOHEXANONE(2nd Source)	50 ul	10000 ppm	500 ppm
4730	tert-Amyl Methyl Ether	50 ul	2000 ppm	100 ppm

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-85946

Prepared By: Previlon, Wilner		Department: Organics	ApprovedBy: DAN	
Description: CAL @ 50 PPB		BatchNumber:	ApproveDate: 05/07/10	
Prep Date: 5/6/2010		Concentration: VARIOUS ppb	Checked: Yes	
Expiration Date: 5/7/2010		Final Volume: 5 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-85762	200ppm VOA Working Std	1.25 ul	VARIOUS pp	50 ppb
1398	p&t water	5 ml	neat neat	
4899	CHLORODIFLUOMETHANE(FREON#22)	1.25 ul	200 ppm	50 ppb

Veritech Lot Number: V-85965

Prepared By: Goring, Shawn		Department: Organics	ApprovedBy: DAN	
Description: CAL @ 50 PPB		BatchNumber:	ApproveDate: 05/07/10	
Prep Date: 5/7/2010		Concentration: VARIOUS ppb	Checked: Yes	
Expiration Date: 5/8/2010		Final Volume: 5 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-85762	200ppm VOA Working Std	1.25 ul	VARIOUS pp	50 ppb
1398	p&t water	5 ml	neat neat	
4899	CHLORODIFLUOMETHANE(FREON#22)	1.25 ul	200 ppm	50 ppb

Veritech Lot Number: V-86038

Prepared By: Previlon, Wilner		Department: Organics	ApprovedBy: DAN	
Description: CAL @ 50 PPB		BatchNumber:	ApproveDate: 05/10/10	
Prep Date: 5/10/2010		Concentration: VARIOUS ppb	Checked: Yes	
Expiration Date: 5/11/2010		Final Volume: 5 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-85762	200ppm VOA Working Std	1.25 ul	VARIOUS pp	50 ppb
1398	p&t water	5 ml	neat neat	
4899	CHLORODIFLUOMETHANE(FREON#22)	1.25 ul	200 ppm	50 ppb

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 777									
Description						ApprovedBy: jean ApproveDate: 09/03/09 Checked: Yes			
1-bromo-4-fluorobenzene									
Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Aldrich	b6,720-1	08115kn	06/05/01	06/11/11	jean	1	25ml	neat	

Veritech Control/Receipt Number: 1230									
Description						ApprovedBy: jean ApproveDate: 07/30/09 Checked: Yes			
METHANOL									
Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
FISHER	A453-1	045850	06/22/05	06/22/15	Revolus, Jean	36	1L	NEAT	

Veritech Control/Receipt Number: 1295									
Description						ApprovedBy: jean ApproveDate: 07/30/09 Checked: Yes			
CHLOROBENZENE-D5									
Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
SIGMA-ALDRICH	176605-1G	02702EA	09/06/05	09/30/15	Revolus, Jean	1	1g	NEAT	

Veritech Control/Receipt Number: 1297									
Description						ApprovedBy: jean ApproveDate: 07/30/09 Checked: Yes			
TOLUENE-D8									
Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
SIGMA-ALDRICH	434388-5G	02504HB	09/06/05	09/30/15	Revolus, Jean	1	5g	NEAT	

Veritech Control/Receipt Number: 1308									
Description						ApprovedBy: jean ApproveDate: 07/30/09 Checked: Yes			
METHANOL									
Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
FISHER	A453-1	052204	09/14/05	09/14/10	Revolus, Jean	36	1L	NEAT	

Veritech Control/Receipt Number: 1398									
Description						ApprovedBy: jean ApproveDate: 07/30/09 Checked: Yes			
p&t water									
Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
veritech	na	na	01/01/08	11/01/10	Batelli, Daniel	1	na	neat	neat

Veritech Control/Receipt Number: 2615									
Description						ApprovedBy: jean ApproveDate: 07/30/09 Checked: Yes			
1,4-Dichlorobenzene-d4									
Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CIL	DLM-268	PR-12866/06201DB1	07/10/07	04/16/12	Hamid, Akmal	1	5g	neat	neat

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 2726											
Description								ApprovedBy: jean		ApproveDate: 07/30/09	
CYCLOHEXANONE								Checked: Yes			
Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:		
CHEM SERVICE	F2326	352-153B	09/04/07	01/31/11	Revolus, Jean	1	5g	NEAT			

Veritech Control/Receipt Number: 2880											
Description								ApprovedBy: jean		ApproveDate: 07/30/09	
p-ETHYLTOLUENE								Checked: Yes			
Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:		
CHEM SERVICE	O-2413	376-30A	11/19/07	01/31/12	Revolus, Jean	1	1g	NEAT			

Veritech Control/Receipt Number: 2881											
Description								ApprovedBy: jean		ApproveDate: 07/30/09	
p-DIETHYLBENZENE								Checked: Yes			
Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:		
CHEM SERVICE	O-2296	371-140A	11/19/07	12/31/10	Revolus, Jean	3	100m	NEAT			

Veritech Control/Receipt Number: 2889											
Description								ApprovedBy: jean		ApproveDate: 07/30/09	
1,2,4,5-TETRAMETHYLBENZENE								Checked: Yes			
Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:		
ACROS ORGANI	409390050	A0214190	11/20/07	11/30/20	Revolus, Jean	1	1ML	NEAT			

Veritech Control/Receipt Number: 3178											
Description								ApprovedBy: jean		ApproveDate: 07/30/09	
1,2-Dichloroethane-d4								Checked: Yes			
Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:		
SIGMA-ALDRICH	396540-1G	EW0372	03/26/08	03/26/18	Revolus, Jean	1	1g	NEAT			

Veritech Control/Receipt Number: 3661											
Description								ApprovedBy: jean		ApproveDate: 07/30/09	
Fluorobenzene								Checked: Yes			
Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:		
CHEM SERVICE	F839	388-117B	10/06/08	09/30/13	Revolus, Jean	1	2g	NEAT			

Veritech Control/Receipt Number: 3693											
Description								ApprovedBy: jean		ApproveDate: 07/30/09	
Dibromofluoromethane								Checked: Yes			
Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:		
RESTEK	30634	A063048	10/22/08	09/30/13	Revolus, Jean	5	100m	NEAT			

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 4030											
Description										ApprovedBy: jean	
METHANOL										ApproveDate: 07/30/09	
										Checked: Yes	
Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:		
J T Baker	907702	G49E42	04/07/09	04/06/11	Okomeng, Maxwell	48	1LT	NEAT	NEAT		

Veritech Control/Receipt Number: 4269											
Description										ApprovedBy: jean	
tert-Amyl, Methyl Ether										ApproveDate: 07/30/09	
										Checked: Yes	
Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:		
RESTEK	30629	A056353	07/24/09	11/30/12	Revolus, Jean	2	1ml	2000	PPM		

Veritech Control/Receipt Number: 4284											
Description										ApprovedBy: jean	
8260 ADDITIONS MIX#2										ApproveDate: 07/30/09	
										Checked: Yes	
Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:		
SUPELCO	46831-U	LB64417	07/30/09	11/30/11	Revolus, Jean	3	1ml	2000	PPM		

Veritech Control/Receipt Number: 4372											
Description										ApprovedBy: jean	
Methanol										ApproveDate: 09/02/09	
										Checked: Yes	
Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:		
J T Baker	907702	G49E42	09/01/09	08/31/11	Okomeng, Maxwell	36	1Lt	neat			

Veritech Control/Receipt Number: 4515											
Description										ApprovedBy: FRANK	
tert-Amyl Methyl Ether										ApproveDate: 11/12/09	
										Checked: Yes	
Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:		
RESTEK	30629	A056353	11/12/09	11/30/12	Revolus, Jean	1	1ml	2000	PPM		

Veritech Control/Receipt Number: 4574											
Description										ApprovedBy: jean	
CUSTOM VOA MIX										ApproveDate: 12/17/09	
										Checked: Yes	
Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:		
ACCUSTANDAR	S-16418	209121195	12/17/09	06/15/10	Revolus, Jean	5	1ml	2000	PPM		

Veritech Control/Receipt Number: 4575											
Description										ApprovedBy: jean	
CUSTOM VOA MIX										ApproveDate: 12/17/09	
										Checked: Yes	
Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:		
ACCUSTANDAR	S-16418	209121205	12/17/09	06/15/10	Revolus, Jean	5	1ml	2000	PPM		

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 4599											
Description										ApprovedBy: jean	
8260 ADDITIONS MIX										ApproveDate: 01/08/10	
										Checked: Yes	
Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:		
ACCUSTANDAR	M-8260-ADD-10X	209091009-02	01/08/10	05/04/10	Revolus, Jean	3	1ml	2000	PPM		

Veritech Control/Receipt Number: 4600											
Description										ApprovedBy: jean	
GASES										ApproveDate: 01/08/10	
										Checked: Yes	
Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:		
ACCUSTANDAR	M-601B-10X-PAK	209091042	01/08/10	09/09/12	Revolus, Jean	5	1ml	2000	PPM		

Veritech Control/Receipt Number: 4608											
Description										ApprovedBy: DAN	
VOA COMP MIX #6(GASES)										ApproveDate: 01/12/10	
										Checked: Yes	
Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:		
SUPELCO	48799-U	LB72461	01/11/10	03/31/11	Batelli, Daniel	4	1mL	2000	PPM		

Veritech Control/Receipt Number: 4730											
Description										ApprovedBy: jean	
tert-Amyl Methyl Ether										ApproveDate: 03/09/10	
										Checked: Yes	
Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:		
Restek	30629	A056353	03/08/10	11/30/12	Hamid, Akmal	1	1ml	2000	ppm		

Veritech Control/Receipt Number: 4742											
Description										ApprovedBy: jean	
502/524 VOA CAL MIX										ApproveDate: 03/11/10	
										Checked: Yes	
Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:		
SUPELCO	5-02111	LB69824	03/11/10	09/30/11	Revolus, Jean	3	1ml	2000	PPM		

Veritech Control/Receipt Number: 4784											
Description										ApprovedBy: jean	
VOA CAL MIX										ApproveDate: 04/01/10	
										Checked: Yes	
Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:		
CHEMSERVICE	LVOC-1JM	431-84B	04/01/10	10/31/10	Revolus, Jean	4	1ml	2000	PPM		

Veritech Control/Receipt Number: 4893											
Description										ApprovedBy: DAN	
8260 Cal Mix 2										ApproveDate: 04/26/10	
										Checked: Yes	
Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:		
Supelco	46831-U	LB64417	04/23/10	11/30/11	Batelli, Daniel	1	1mL	2000	ppm		

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 4898



Description
8260 ADDITIONS

ApprovedBy: jean
 ApproveDate: 04/27/10
 Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
AccuStandard	M-8260-ADD-10X	210011301-01	04/27/10	07/30/10	Revolus, Jean	2	1ml	2000	PPM

Veritech Control/Receipt Number: 4899



Description
CHLORODIFLUOMETHANE(FREON#22)

ApprovedBy: jean
 ApproveDate: 04/27/10
 Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
AccuStandard	ALR-CFC-003S-2X	210041336	04/27/10	04/21/20	Revolus, Jean	15	1ml	200	PPM

GC/MS Semi-Volatile Data

**GC/MS Semi-Volatile Data
QC Summary**

FORM2

Surrogate Recovery

Method: EPA 8270C

Dfile	Sample#	Matrix	Date/Time	Surr Dil	Dilute Out Flag	Column1 S1 Recov	Column1 S2 Recov	Column1 S3 Recov	Column1 S4 Recov	Column1 S5 Recov	Column1 S6 Recov
5M57726.D	SMB4508	Soil	05/11/10 16:25	1		76	93	96	103	115	117
9M25175.D	SMB4508	Soil	05/11/10 17:06	1		103	110	88	104	146	103
5M57772.D	AC51387-001	Soil	05/12/10 11:56	1		68	82	85	91	105	104
5M57797.D	AC51387-002(	Soil	05/13/10 00:01	30	SD	0*	0*	0*	0*	0*	0*
5M57736.D	AC51387-003	Soil	05/11/10 20:09	1		86	107	97	95	119	107
5M57779.D	AC51387-003	Soil	05/12/10 14:33	1		69	80	100	113	114	130
5M57796.D	AC51387-004(	Soil	05/12/10 23:39	5		78	69	81	86	98	107
5M57737.D	AC51387-005	Soil	05/11/10 20:31	1		79	102	93	98	115	98
5M57773.D	AC51387-005	Soil	05/12/10 12:18	1		73	81	95	109	118	100
5M57798.D	AC51387-006(	Soil	05/13/10 00:24	30	SD	0*	0*	0*	0*	0*	0*
9M25176.D	SMB4508(MS)	Soil	05/11/10 17:29	1		108	111	102	111	175*	114
9M25197.D	AC51370-002	Soil	05/12/10 01:24	1		91	95	86	90	137	99
9M25198.D	AC51370-002(	Soil	05/12/10 01:47	1		85	89	87	96	146	95
9M25199.D	AC51370-002(	Soil	05/12/10 02:10	1		99	106	95	101	155	102

Flags: SD=Surrogate diluted out

*=Surrogate out

Method: 8270

Soil Limits

Compound	Spike Amt	Limits
S1=2-Fluorophenol	100	35-118
S2=Phenol-d5	100	36-121
S3=Nitrobenzene-d5	50	34-128
S4=2-Fluorobiphenyl	50	42-125
S5=2,4,6-Tribromophenol	100	27-155
S6=Terphenyl-d14	50	40-158

FORM 3

Spike Recovery

Batch Number: SMB4508

Mbs File: 9M25176.D

Mbs Date: 05/11/10 17:29

Mbs Name: SMB4508(MS)

Non Spk'd File: 9M25197.D

Non Spk'd Date: 05/12/10 01:24

Ns Name: AC51370-002

Spike File: 9M25198.D

Spike Date: 05/12/10 01:47

Ms Name: AC51370-002(MS)

Spike Dup File: 9M25199.D

Spike Dup Date: 05/12/10 02:10

Msd Name: AC51370-002(MSD)

Matrix: Soil

Method: EPA 8270C

Compound	C#	Co	Mr	Conc Exp	Lo Lim	Hi Lim	Rpd Lim	Mbs Conc	Sample Conc	Spike Conc	Spike Dup Conc	Mbs Rec	MS Rec	Msd Rec	Rpd
Phenol	16	1	0	100	35	130	31	94.92	0.00	78.66	88.55	95	79	89	12
2-Chlorophenol	17	1	0	100	43	131	32	92.05	0.00	78.28	92.55	92	78	93	17
1,4-Dichlorobenzene	20	1	0	50	26	128	41	44.52	0.00	36.52	46.68	89	73	93	24
2-Methylphenol	24	1	0	100	40	137	32	95.30	0.00	80.85	91.92	95	81	92	13
N-Nitroso-di-n-propyla	27	1	0	50	23	147	39	46.45	0.00	38.89	45.90	93	78	92	17
2,4-Dimethylphenol	34	1	0	100	47	135	32	92.94	0.00	84.82	91.58	93	85	92	7.7
1,2,4-Trichlorobenzen	38	1	0	50	40	129	39	43.85	0.00	39.04	43.08	88	78	86	9.8
Naphthalene	39	1	0	50	44	132	41	47.80	0.00	40.93	45.88	96	82	92	11
4-Chloro-3-methylphe	43	1	0	100	45	142	32	99.92	0.00	87.86	96.03	100	88	96	8.9
Acenaphthene	61	1	0	50	47	137	58	50.66	0.00	45.09	47.93	101	90	96	6.1
2,4-Dinitrotoluene	65	1	0	50	30	139	47	46.60	0.00	43.81	45.18	93	88	90	3.1
4-Nitrophenol	66	1	0	100	35	146	36	95.66	0.00	78.35	90.33	96	78	90	14
Fluorene	68	1	0	50	42	135	43	52.64	0.00	47.10	48.19	105	94	96	2.3
Pentachlorophenol	81	1	0	100	38	132	37	116.29	0.00	98.84	110.49	116	99	110	11
Pyrene	88	1	0	50	45	167	53	48.51	0.00	42.13	45.98	97	84	92	8.7
Butylbenzylphthalate	94	1	0	50	45	157	40	49.71	0.00	48.42	50.45	99	97	101	4.1

Note:

Rp = Failed Rpd Criteria

Mo = Failed Recovery Criteria

^ - Both Ms and Msd Recoveries = 0 ... no valid information can be calculated

FORM 4
Blank Summary

Blank Number: SMB4508
Blank Data File: 5M57726.D
Matrix: Soil

Blank Analysis Date: 05/11/10 16:25
Blank Extraction Date: 05/11/10
(If Applicable)
Method: EPA 8270C

Sample Number	Data File	Analysis Date
AC51387-001	5M57772.D	05/12/10 11:56
AC51387-002(20X)	5M57797.D	05/13/10 00:01
AC51387-003	5M57779.D	05/12/10 14:33
AC51387-003	5M57736.D	05/11/10 20:09
AC51387-004(5X)	5M57796.D	05/12/10 23:39
AC51387-005	5M57773.D	05/12/10 12:18
AC51387-005	5M57737.D	05/11/10 20:31
AC51387-006(20X)	5M57798.D	05/13/10 00:24

FORM 4
Blank Summary

Blank Number: SMB4508
Blank Data File: 9M25175.D
Matrix: Soil

Blank Analysis Date: 05/11/10 17:06
Blank Extraction Date: 05/11/10
(If Applicable)
Method: EPA 8270C

Sample Number	Data File	Analysis Date
AC51370-002(MSD	9M25199.D	05/12/10 02:10
AC51370-002(MS)	9M25198.D	05/12/10 01:47
AC51370-002	9M25197.D	05/12/10 01:24
SMB4508(MS)	9M25176.D	05/11/10 17:29

Form 5

Tune Name: CAL DFTPP
Instrument: GCMS 9

Data File: 9M24665.D
Analysis Date: 04/27/10 08:20
Method: EPA 8270C

Tune Scan/Time Range: Average of 9.666 to 9.677 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	41.0	6644	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	41.1	6657	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	49.4	8004	PASS
197	198	0.00	1	0.4	69	PASS
198	198	100	100	100.0	16196	PASS
199	198	5	9	5.3	857	PASS
275	198	10	30	29.7	4806	PASS
365	198	1	100	2.0	321	PASS
441	443	0.01	100	85.1	1397	PASS
442	198	40	100	55.0	8905	PASS
443	442	17	23	18.4	1641	PASS

Data File	Sample Number	Analysis Date:
9M24666.D	CAL BNA@50PPM	04/27/10 08:42
9M24667.D	CAL BNA@2PPM	04/27/10 09:05
9M24668.D	CAL BNA@10PPM	04/27/10 09:28
9M24669.D	CAL BNA@20PPM	04/27/10 09:51
9M24670.D	CAL BNA@80PPM	04/27/10 10:14
9M24671.D	CAL BNA@120PP	04/27/10 10:37
9M24672.D	CAL BNA@160PP	04/27/10 11:00
9M24673.D	CAL BNA@196PP	04/27/10 11:23
9M24674.D	CAL BNA@50PPM	04/27/10 11:46
9M24675.D	ICV BNA@50PPM	04/27/10 12:09
9M24676.D	SMB4488	04/27/10 13:22
9M24677.D	AC51085-002	04/27/10 13:45
9M24678.D	AC51085-004	04/27/10 14:08
9M24679.D	AC51085-006	04/27/10 14:30
9M24680.D	AC51085-008	04/27/10 14:53
9M24681.D	AC50935-011	04/27/10 15:16
9M24682.D	SMB4489	04/27/10 15:39
9M24683.D	SMB4489(MS)	04/27/10 16:02
9M24684.D	AC51148-002	04/27/10 16:24
9M24685.D	AC51009-009	04/27/10 16:47
9M24686.D	SMB4490(MS)	04/27/10 17:10
9M24687.D	SMB4490	04/27/10 17:33
9M24688.D	WMB4502	04/27/10 17:56
9M24689.D	AC50971-015	04/27/10 18:18
9M24690.D	AC50971-015(MS)	04/27/10 18:41
9M24691.D	AC50971-015(MSD)	04/27/10 19:04
9M24692.D	AC50971-018	04/27/10 19:27
9M24693.D	AC50971-019	04/27/10 19:50
9M24694.D	AC50971-012	04/27/10 20:12
9M24695.D	AC50966-006	04/27/10 20:35
9M24696.D	AC50966-007	04/27/10 20:58
9M24697.D	AC50966-008	04/27/10 21:21
9M24698.D	AC50966-009	04/27/10 21:44
9M24699.D	AC51149-001(5X)	04/27/10 22:07
9M24700.D	AC51139-002	04/27/10 22:30
9M24701.D	AC51154-001	04/27/10 22:53
9M24702.D	AC51167-001	04/27/10 23:16
9M24703.D	AC51167-002	04/27/10 23:39
9M24704.D	AC51167-003	04/28/10 00:02
9M24705.D	AC51167-005	04/28/10 00:25
9M24706.D	AC51167-006	04/28/10 00:48
9M24707.D	AC51167-007	04/28/10 01:11
9M24708.D	AC51167-008	04/28/10 01:34

Form 5

Tune Name: CAL DFTPP

Data File: 5M57327.D

Instrument: GCMS 5

Analysis Date: 04/30/10 07:38

Method: EPA 8270C

Tune Scan/Time Range: Scan 1375

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	30.7	22008	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	33.0	23616	PASS
70	69	0.00	2	0.7	158	PASS
127	198	40	60	44.6	31952	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	71640	PASS
199	198	5	9	6.8	4888	PASS
275	198	10	30	27.1	19392	PASS
365	198	1	100	2.9	2109	PASS
441	443	0.01	100	80.1	6160	PASS
442	198	40	100	56.7	40632	PASS
443	442	17	23	18.9	7692	PASS

Data File	Sample Number	Analysis Date:
5M57328.D	CAL BNA@50PPM	04/30/10 09:02
5M57329.D	CAL BNA@2PPM	04/30/10 09:34
5M57330.D	CAL BNA@10PPM	04/30/10 09:56
5M57331.D	CAL BNA@20PPM	04/30/10 10:18
5M57332.D	CAL BNA@80PPM	04/30/10 10:40
5M57333.D	CAL BNA@120PP	04/30/10 11:02
5M57334.D	CAL BNA@160PP	04/30/10 11:24
5M57335.D	CAL BNA@196PP	04/30/10 11:47
5M57336.D	CAL BNA@50PPM	04/30/10 12:09
5M57337.D	CAL BNA@2PPM	04/30/10 12:31
5M57338.D	ICV BNA@50PPM	04/30/10 12:53

Form 5

Tune Name: CAL DFTPP

Data File: 9M25170.D

Instrument: GCMS 9

Analysis Date: 05/11/10 15:13

Method: EPA 8270C

Tune Scan/Time Range: Average of 9.618 to 9.629 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	54.2	10893	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	54.5	10941	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	52.1	10464	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	20093	PASS
199	198	5	9	5.4	1089	PASS
275	198	10	30	29.0	5824	PASS
365	198	1	100	2.7	536	PASS
441	443	0.01	100	95.6	1783	PASS
442	198	40	100	44.4	8923	PASS
443	442	17	23	20.9	1864	PASS

Data File	Sample Number	Analysis Date:
9M25171.D	CAL BNA@50PPM	05/11/10 15:36
9M25172.D	WMB4529	05/11/10 15:58
9M25173.D	WMB4529(MS)	05/11/10 16:21
9M25174.D	WMB4530	05/11/10 16:43
9M25175.D	SMB4508	05/11/10 17:06
9M25176.D	SMB4508(MS)	05/11/10 17:29
9M25177.D	SMB4509	05/11/10 17:51
9M25178.D	AC51545-006	05/11/10 18:13
9M25179.D	AC51545-007	05/11/10 18:36
9M25180.D	AC51545-008	05/11/10 18:59
9M25181.D	AC51545-009	05/11/10 19:22
9M25182.D	AC51545-010	05/11/10 19:44
9M25183.D	AC51545-011	05/11/10 20:07
9M25184.D	AC51545-012	05/11/10 20:29
9M25185.D	AC51545-013	05/11/10 20:52
9M25186.D	AC51545-014	05/11/10 21:15
9M25187.D	AC51545-015	05/11/10 21:37
9M25188.D	AC51545-016	05/11/10 22:00
9M25189.D	AC51545-017	05/11/10 22:22
9M25190.D	AC51545-002	05/11/10 22:45
9M25191.D	AC51545-002(MS)	05/11/10 23:08
9M25192.D	AC51545-002(MSD)	05/11/10 23:31
9M25193.D	SMB4509(MS)	05/11/10 23:53
9M25194.D	AC51517-002	05/12/10 00:16
9M25195.D	AC51517-002(MS)	05/12/10 00:39
9M25196.D	AC51517-002(MSD)	05/12/10 01:01
9M25197.D	AC51370-002	05/12/10 01:24
9M25198.D	AC51370-002(MS)	05/12/10 01:47
9M25199.D	AC51370-002(MSD)	05/12/10 02:10
9M25200.D	AC51370-001	05/12/10 02:32
9M25201.D	AC51370-003	05/12/10 02:55
9M25202.D	AC51370-004	05/12/10 03:18
9M25203.D	AC51370-005	05/12/10 03:41
9M25204.D	AC51532-001	05/12/10 04:04
9M25205.D	AC51532-002	05/12/10 04:27
9M25206.D	AC51485-001	05/12/10 04:50
9M25207.D	AC51485-004	05/12/10 05:13
9M25208.D	AC51485-005	05/12/10 05:36

Form 5

Tune Name: CAL DFTPP

Data File: 5M57724.D

Instrument: GCMS 5

Analysis Date: 05/11/10 15:40

Method: EPA 8270C

Tune Scan/Time Range: Average of 9.144 to 9.160 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	44.9	16968	PASS
68	69	0.00	2	0.2	43	PASS
69	198	0.00	100	46.0	17384	PASS
70	69	0.00	2	0.9	149	PASS
127	198	40	60	51.7	19552	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	37814	PASS
199	198	5	9	6.9	2592	PASS
275	198	10	30	23.8	8993	PASS
365	198	1	100	3.0	1136	PASS
441	443	0.01	100	82.6	2718	PASS
442	198	40	100	46.8	17682	PASS
443	442	17	23	18.6	3289	PASS

Data File	Sample Number	Analysis Date:
5M57725.D	CAL BNA@50PPM	05/11/10 16:02
5M57726.D	SMB4508	05/11/10 16:25
5M57727.D	SMB4509	05/11/10 16:47
5M57728.D	AC51350-005(20X)	05/11/10 17:10
5M57729.D	AC51350-007(25X)	05/11/10 17:32
5M57730.D	AC51370-006	05/11/10 17:54
5M57731.D	AC51370-007	05/11/10 18:16
5M57732.D	AC51522-001	05/11/10 18:39
5M57733.D	AC51526-004	05/11/10 19:02
5M57734.D	AC51517-001	05/11/10 19:24
5M57735.D	AC51387-001	05/11/10 19:46
5M57736.D	AC51387-003	05/11/10 20:09
5M57737.D	AC51387-005	05/11/10 20:31
5M57738.D	AC51352-001	05/11/10 20:53
5M57739.D	AC51352-002	05/11/10 21:16
5M57740.D	AC51354-001	05/11/10 21:38
5M57741.D	AC51354-002	05/11/10 22:00
5M57742.D	AC51432-001	05/11/10 22:22
5M57743.D	AC51432-003	05/11/10 22:45
5M57744.D	AC51423-001	05/11/10 23:07
5M57745.D	AC51342-018(10X)	05/11/10 23:30
5M57746.D	AC51342-020(10X)	05/11/10 23:52
5M57747.D	AC51421-001(5X)	05/12/10 00:15
5M57748.D	AC51447-003(10X)	05/12/10 00:37
5M57749.D	AC51447-004(5X)	05/12/10 00:59
5M57750.D	AC51351-005(3X)	05/12/10 01:21
5M57751.D	AC51351-006(3X)	05/12/10 01:44
5M57752.D	AC51351-007(3X)	05/12/10 02:06
5M57753.D	AC51351-013(3X)	05/12/10 02:28
5M57754.D	AC51351-014(3X)	05/12/10 02:51
5M57755.D	AC51351-015(3X)	05/12/10 03:13
5M57756.D	AC51351-008(5X)	05/12/10 03:36
5M57757.D	AC51351-009(5X)	05/12/10 03:58
5M57758.D	AC51351-010(5X)	05/12/10 04:20
5M57759.D	AC51351-012(5X)	05/12/10 04:43
5M57760.D	AC51387-004(20X)	05/12/10 05:05
5M57761.D	AC51387-002(50X)	05/12/10 05:27
5M57762.D	AC51387-006(50X)	05/12/10 05:50

Form 5

Tune Name: CAL DFTPP

Data File: 5M57763.D

Instrument: GCMS 5

Analysis Date: 05/12/10 07:34

Method: EPA 8270C

Tune Scan/Time Range: Average of 9.144 to 9.149 min

Tgt	Rel	Lo	Hi	Rel	Raw	Pass/
Mass	Mass	Lim	Lim	Abund	Abund	Fail
51	198	30	60	36.2	34496	PASS
68	69	0.00	2	0.8	294	PASS
69	198	0.00	100	38.4	36592	PASS
70	69	0.00	2	0.7	243	PASS
127	198	40	60	48.4	46064	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	95188	PASS
199	198	5	9	7.0	6654	PASS
275	198	10	30	23.7	22544	PASS
365	198	1	100	2.8	2703	PASS
441	443	0.01	100	78.3	6463	PASS
442	198	40	100	44.5	42332	PASS
443	442	17	23	19.5	8250	PASS

Data File	Sample Number	Analysis Date:
5M57764.D	BNA@50PPM	05/12/10 07:57
5M57765.D	CAL BNA@50PPM	05/12/10 09:00
5M57766.D	AC51367-004	05/12/10 09:27
5M57767.D	AC51448-006	05/12/10 09:56
5M57768.D	AC51448-007	05/12/10 10:26
5M57769.D	AC51314-008	05/12/10 10:48
5M57770.D	AC51455-002	05/12/10 11:11
5M57771.D	AC51455-006	05/12/10 11:33
5M57772.D	AC51387-001	05/12/10 11:56
5M57773.D	AC51387-005	05/12/10 12:18
5M57774.D	AC51352-001	05/12/10 12:41
5M57775.D	AC51432-001	05/12/10 13:03
5M57776.D	AC51432-003	05/12/10 13:25
5M57777.D	AC51455-002	05/12/10 13:48
5M57778.D	AC51455-006	05/12/10 14:10
5M57779.D	AC51387-003	05/12/10 14:33

Form 5

Tune Name: CAL DFTPP

Data File: 5M57782.D

Instrument: GCMS 5

Analysis Date: 05/12/10 17:50

Method: EPA 8270C

Tune Scan/Time Range: Scan 1377

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	42.2	30144	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	45.2	32296	PASS
70	69	0.00	2	0.6	186	PASS
127	198	40	60	53.9	38544	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	71472	PASS
199	198	5	9	6.9	4903	PASS
275	198	10	30	24.8	17736	PASS
365	198	1	100	2.8	2013	PASS
441	443	0.01	100	83.4	4666	PASS
442	198	40	100	40.3	28800	PASS
443	442	17	23	19.4	5597	PASS

Data File	Sample Number	Analysis Date:
5M57783.D	CAL BNA@50PPM	05/12/10 18:45
5M57784.D	SMB4510	05/12/10 19:08
5M57785.D	AC51370-005	05/12/10 19:30
5M57786.D	AC51446-007	05/12/10 19:53
5M57787.D	AC51431-007	05/12/10 20:15
5M57788.D	AC51431-009	05/12/10 20:38
5M57789.D	AC51555-003	05/12/10 21:01
5M57790.D	AC51555-004	05/12/10 21:24
5M57791.D	AC51354-001(3X)	05/12/10 21:46
5M57792.D	AC51354-002(10X)	05/12/10 22:09
5M57793.D	AC51351-009(5X)	05/12/10 22:31
5M57794.D	AC51351-010(5X)	05/12/10 22:54
5M57795.D	AC51351-012(5X)	05/12/10 23:16
5M57796.D	AC51387-004(5X)	05/12/10 23:39
5M57797.D	AC51387-002(20X)	05/13/10 00:01
5M57798.D	AC51387-006(20X)	05/13/10 00:24
5M57799.D	AC51455-011(20X)	05/13/10 00:46
5M57800.D	AC51314-009(20X)	05/13/10 01:09
5M57801.D	AC51455-014(10X)	05/13/10 01:31
5M57802.D	AC51448-008(3X)	05/13/10 01:54
5M57803.D	AC51217-002(3X)	05/13/10 02:17
5M57804.D	AC51431-012(2X)	05/13/10 02:39
5M57805.D	AC51555-001(2X)	05/13/10 03:02
5M57806.D	AC51555-005(2X)	05/13/10 03:24
5M57807.D	AC51555-006(2X)	05/13/10 03:47
5M57808.D	AC51446-001(3X)	05/13/10 04:09
5M57809.D	AC51446-002(3X)	05/13/10 04:32
5M57810.D	AC51446-005(3X)	05/13/10 04:54
5M57811.D	AC51431-008(3X)	05/13/10 05:17
5M57812.D	AC51431-010(3X)	05/13/10 05:39
5M57813.D	AC51431-011(3X)	05/13/10 06:02
5M57814.D	AC51555-002(3X)	05/13/10 06:24

FORM8

Internal Standard Areas

Evaluation Std Data File: 9M24674.D

Method: EPA 8270C

Analysis Date/Time: 04/27/10 11:46

Lab File ID: CAL BNA@50PPM

Eval File Area/RT:	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area Limit:	24075	5.53	92060	6.54	53209	7.93	93182	9.36	89879	12.39	93942	13.98
Eval File Rt Limit:	12038-48150		46030-184120		26604-106418		46591-186364		44940-179758		46971-187884	
	5.03-6.03		6.04-7.04		7.43-8.43		8.86-9.86		11.89-12.89		13.48-14.48	

Data File Sample

9M24667.D CAL BNA@2F	26748	5.53	101975	6.54	60551	7.93	101030	9.36	92253	12.38	105597	13.98
9M24668.D CAL BNA@1C	26950	5.53	103396	6.54	57684	7.93	100871	9.36	96415	12.38	105065	13.98
9M24669.D CAL BNA@2C	26936	5.53	101382	6.54	57579	7.93	97871	9.36	91766	12.39	101311	13.98
9M24670.D CAL BNA@8C	28057	5.53	101936	6.54	59542	7.93	98219	9.36	95238	12.39	101027	13.98
9M24671.D CAL BNA@12	25431	5.53	93753	6.54	57858	7.93	94891	9.36	84998	12.40	92761	13.99
9M24672.D CAL BNA@1E	25349	5.53	94350	6.55	53846	7.93	91834	9.36	86397	12.40	90892	13.99
9M24673.D CAL BNA@1E	25010	5.53	94037	6.55	55733	7.94	91631	9.37	80771	12.40	86510	13.99
9M24674.D CAL BNA@5C	24075	5.53	92060	6.54	53209	7.93	93182	9.36	89879	12.39	93942	13.98
9M24675.D ICV BNA@12	22890	5.53	86222	6.54	49675	7.93	83726	9.36	79004	12.39	81147	13.98
9M24676.D SMB4488	25311	5.53	91633	6.54	51675	7.93	85390	9.36	73665	12.38	70563	13.98
9M24677.D AC51085-002	25007	5.53	98393	6.54	55318	7.93	93797	9.36	75388	12.38	74993	13.98
9M24678.D AC51085-004	22852	5.53	82888	6.54	49494	7.93	78045	9.36	67028	12.38	70059	13.98
9M24679.D AC51085-006	24844	5.53	86735	6.54	50796	7.93	76897	9.36	60944	12.39	63363	13.98
9M24680.D AC51085-008	24353	5.53	90209	6.54	51131	7.93	85382	9.36	79323	12.38	75484	13.98
9M24681.D AC50935-011	24131	5.53	89039	6.54	50617	7.93	81134	9.36	67247	12.39	74351	13.99
9M24682.D SMB4489	24126	5.53	86906	6.54	48847	7.93	75762	9.36	64712	12.38	69466	13.98
9M24683.D SMB4489/MS	24885	5.53	92007	6.54	51665	7.93	79274	9.36	66769	12.38	67883	13.98
9M24684.D AC51148-002	22918	5.53	84145	6.54	51585	7.93	82029	9.36	67601	12.38	68157	13.98
9M24685.D AC51009-009	23029	5.53	82452	6.55	55067	7.95	77916	9.39	70922	12.39	78766	13.98
9M24686.D SMB4490/MS	26763	5.53	104781	6.54	57754	7.93	94816	9.36	81087	12.38	80491	13.98
9M24687.D SMB4490	26034	5.53	95378	6.54	53333	7.93	85529	9.36	69470	12.38	71797	13.98
9M24688.D WMB4502	25114	5.53	97084	6.54	53952	7.93	90170	9.36	77029	12.38	74731	13.98
9M24689.D AC50971-015	22860	5.53	89539	6.54	52827	7.93	89144	9.36	74481	12.38	73142	13.98
9M24690.D AC50971-015	23979	5.53	93068	6.54	55392	7.93	88401	9.36	73093	12.39	74268	13.98
9M24691.D AC50971-015	22822	5.53	88144	6.54	48610	7.93	80284	9.36	66029	12.38	65825	13.98
9M24692.D AC50971-018	23269	5.53	90650	6.54	52585	7.93	84255	9.36	74039	12.38	76284	13.98
9M24693.D AC50971-019	22115	5.53	88000	6.54	48755	7.93	81549	9.36	69796	12.38	72822	13.98
9M24694.D AC50971-012	24344	5.53	89580	6.54	52437	7.93	86166	9.36	70039	12.38	71536	13.98
9M24695.D AC50966-006	22786	5.53	91003	6.54	51843	7.93	81310	9.36	66672	12.38	67867	13.98
9M24696.D AC50966-007	23353	5.53	88080	6.54	50929	7.93	86632	9.36	72050	12.38	72384	13.98
9M24697.D AC50966-008	22357	5.53	87422	6.54	49852	7.93	83294	9.36	66234	12.38	69543	13.98
9M24698.D AC50966-009	24186	5.53	86924	6.54	47670	7.93	76344	9.36	62532	12.38	66105	13.98

I1 = 1,4-Dichlorobenzene-d4
 I2 = Nanththalene-d8
 I3 = Acenaphthene-d10

I4 = Phenanthrene-d10
 I5 = Chrysene-d12
 I6 = Perylene-d12

625/8270 Internal Standard concentration = 40 mg/L (in final extract)
 624/8260 Internal Standard concentration = 30ug/L
 524 Internal Standard concentration = 5ug/L

QC Limits:**Internal Standard Areas**

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Retention Times:

Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

FORM8

Internal Standard Areas

Evaluation Std Data File: 5M57336.D

Method: EPA 8270C

Analysis Date/Time: 04/30/10 12:09

Lab File ID: CAL BNA@50PPM

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	30853	5.26	112492	6.29	67073	7.64	126711	9.04	109997	12.07	100895	13.66
Eval File Area Limit:	15426-61706		56246-224984		33536-134146		63356-253422		54998-219994		50448-201790	
Eval File Rt Limit:	4.76-5.76		5.79-6.79		7.14-8.139999		8.54-9.54		11.57-12.57		13.16-14.16	

Data File Sample

5M57330.D CAL BNA@1C	38951	5.25	142116	6.28	86739	7.64	162232	9.04	143873	12.06	135066	13.66
5M57331.D CAL BNA@2C	37264	5.25	139206	6.29	81984	7.64	158020	9.04	140081	12.06	131819	13.66
5M57332.D CAL BNA@8C	31100	5.26	115861	6.29	69636	7.64	134064	9.04	121976	12.07	110699	13.67
5M57333.D CAL BNA@12	29972	5.26	109095	6.29	66138	7.65	127182	9.04	116634	12.07	102681	13.67
5M57334.D CAL BNA@16	31101	5.26	114421	6.29	71700	7.65	135017	9.05	124520	12.08	104477	13.67
5M57335.D CAL BNA@19	27844	5.26	101478	6.29	64889	7.65	119753	9.05	111485	12.08	91990	13.67
5M57336.D CAL BNA@5C	30853	5.26	112492	6.29	67073	7.64	126711	9.04	109997	12.07	100895	13.66
5M57337.D CAL BNA@2F	36290	5.26	138041	6.28	84872	7.64	154810	9.04	136367	12.06	120658	13.66
5M57338.D ICV BNA@50	28854	5.25	103275	6.29	62366	7.64	116923	9.04	109078	12.06	94685	13.66

I1 = 1,4-Dichlorobenzene-d4
 I2 = Nanththalene-d8
 I3 = Acenaphthene-d10

I4 = Phenanthrene-d10
 I5 = Chrysene-d12
 I6 = Perylene-d12

625/8270 Internal Standard concentration = 40 mg/L (in final extract)
 624/8260 Internal Standard concentration = 30ug/L
 524 Internal Standard concentration = 5ug/L

QC Limits:**Internal Standard Areas**

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Retention Times:

Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

FORM8

Internal Standard Areas

Evaluation Std Data File: 5M57725.D

Method: EPA 8270C

Analysis Date/Time: 05/11/10 16:02

Lab File ID: CAL BNA@50PPM

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	30403	5.09	116447	6.13	73127	7.46	141339	8.83	127763	11.84	114761	13.44
Eval File Area Limit:	15202-60806		58224-232894		36564-146254		70670-282678		63882-255526		57380-229522	
Eval File Rt Limit:	4.59-5.59		5.63-6.63		6.96-7.96		8.33-9.33		11.34-12.34		12.94-13.94	

Data File Sample

5M57726.D	SMB4508	30418	5.09	130347	6.12	82207	7.46	152993	8.83	137528	11.84	126310	13.44
5M57727.D	SMB4509	28886	5.09	122118	6.12	78470	7.46	147773	8.83	124418	11.84	120652	13.44
5M57728.D	AC51350-005	26892	5.09	110482	6.13	63442	7.47	115990	8.84	110932	11.84	124817	13.44
5M57729.D	AC51350-007	25124	5.09	106109	6.13	59989	7.46	109203	8.84	108110	11.84	119724	13.44
5M57730.D	AC51370-006	26511	5.09	114128	6.12	73565	7.46	131840	8.83	107568	11.84	108957	13.44
5M57731.D	AC51370-007	25877	5.09	112059	6.12	73848	7.46	134207	8.83	110740	11.83	98271	13.44
5M57732.D	AC51522-001	29448	5.09	124848	6.13	79292	7.46	133704	8.83	100627	11.84	98968	13.44
5M57733.D	AC51526-004	27049	5.09	117729	6.12	78179	7.46	135636	8.83	96032	11.83	90908	13.44
5M57734.D	AC51517-001	29385	5.09	124847	6.12	76623	7.46	144988	8.83	95081	11.84	91878	13.44
5M57735.D	AC51387-001	12308 A	5.09	62053	6.12	39223	7.46	79267	8.83	91288	11.85	108821	13.47
5M57736.D	AC51387-003	12947 A	5.09	61615	6.12	42550	7.46	90172	8.83	82215	11.84	90551	13.44
5M57737.D	AC51387-005	13799 A	5.09	66339	6.12	39819	7.46	80228	8.84	91571	11.86	100428	13.48
5M57738.D	AC51352-001	12727 A	5.09	62165	6.13	45436	7.46	93358	8.83	91813	11.84	87676	13.44
5M57739.D	AC51352-002	16719	5.09	77193	6.12	55185	7.46	107008	8.83	95476	11.84	85093	13.45
5M57740.D	AC51354-001	14632 A	5.09	71261	6.12	47644	7.46	94292	8.83	103070	11.85	90623	13.45
5M57741.D	AC51354-002	12804 A	5.09	62222	6.12	41869	7.46	85973	8.84	119462	11.86	87867	13.46
5M57742.D	AC51432-001	13047 A	5.09	64978	6.12	45660	7.46	94495	8.83	91579	11.84	87397	13.45
5M57743.D	AC51432-003	13397 A	5.09	68260	6.12	48801	7.46	97592	8.83	95706	11.84	91531	13.45
5M57744.D	AC51423-001	18543	5.09	89638	6.12	64208	7.46	118585	8.83	88713	11.84	80716	13.44
5M57745.D	AC51342-018	18538	5.09	87393	6.12	57144	7.46	106075	8.83	96247	11.84	83898	13.44
5M57746.D	AC51342-020	23289	5.09	93460	6.13	68748	7.47	132548	8.84	133636	11.85	147643	13.47
5M57747.D	AC51421-001	16455	5.09	80212	6.12	54299	7.46	101097	8.83	95026	11.84	89613	13.44
5M57748.D	AC51447-003	14404 A	5.09	62020	6.13	41195	7.46	85154	8.84	89871	11.84	87792	13.44
5M57749.D	AC51447-004	15612	5.09	67868	6.13	45890	7.46	94187	8.84	95559	11.84	89160	13.44
5M57750.D	AC51351-005	16703	5.09	76229	6.12	47012	7.46	83740	8.83	118843	11.85	133124	13.47
5M57751.D	AC51351-006	27498	5.09	120633	6.13	69821	7.46	154482	8.84	269388 A	11.89	300147 A	13.52
5M57752.D	AC51351-007	15297	5.09	70771	6.13	49653	7.46	95352	8.83	132932	11.86	152828	13.47
5M57753.D	AC51351-013	14774 A	5.09	68333	6.13	48424	7.46	88897	8.84	130017	11.86	140886	13.47
5M57754.D	AC51351-014	14493 A	5.09	70871	6.12	51524	7.46	101936	8.83	97133	11.84	96715	13.44
5M57755.D	AC51351-015	19960	5.09	91221	6.12	60256	7.46	113897	8.83	169554	11.88	162280	13.48
5M57756.D	AC51351-008	14562 A	5.09	67775	6.13	43720	7.46	88620	8.84	110497	11.85	121003	13.46
5M57757.D	AC51351-009	16236	5.09	73841	6.12	49699	7.46	92105	8.83	124238	11.86	139293	13.47
5M57758.D	AC51351-010	13517 A	5.09	67409	6.13	49207	7.46	90981	8.83	122809	11.85	153770	13.48
5M57759.D	AC51351-012	27707	5.09	127479	6.13	85695	7.46	157665	8.84	286413 A	11.89	319897 A	13.52
5M57760.D	AC51387-004	16417	5.09	73542	6.13	51998	7.46	100997	8.83	98548	11.84	102113	13.45
5M57761.D	AC51387-002	13368 A	5.09	65507	6.13	44515	7.46	91687	8.83	95967	11.84	94281	13.45
5M57762.D	AC51387-006	14952 A	5.09	72289	6.12	48081	7.46	90966	8.83	95872	11.84	91829	13.45

I1 = 1,4-Dichlorobenzene-d4
I2 = Naphthalene-d8
I3 = Acenaphthene-d10

I4 = Phenanthrene-d10
I5 = Chrysene-d12
I6 = Perylene-d12

625/8270 Internal Standard concentration = 40 mg/L (in final extract)
624/8260 Internal Standard concentration = 30ug/L
524 Internal Standard concentration = 5ug/L

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Retention Times:

Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

FORM8

Internal Standard Areas

Evaluation Std Data File: 9M25171.D

Method: EPA 8270C

Analysis Date/Time: 05/11/10 15:36

Lab File ID: CAL BNA@50PPM

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	21730	5.49	84368	6.51	47616	7.89	80893	9.32	83437	12.35	103825	13.94
Eval File Area Limit:	10865-43460		42184-168736		23808-95232		40446-161786		41718-166874		51912-207650	
Eval File Rt Limit:	4.99-5.99		6.01-7.01		7.39-8.389999		8.82-9.82		11.85-12.85		13.44-14.44	

Data File	Sample												
9M25172.D	WMB4529	21145	5.49	82404	6.51	51041	7.89	85282	9.32	87047	12.34	104664	13.93
9M25173.D	WMB4529(MS.	21994	5.49	88200	6.50	51403	7.89	84910	9.32	82662	12.35	102308	13.94
9M25174.D	WMB4530	22019	5.49	88952	6.51	53312	7.89	86934	9.31	91500	12.34	110627	13.93
9M25175.D	SMB4508	28042	5.49	110319	6.50	61598	7.89	104915	9.32	98048	12.34	108215	13.94
9M25176.D	SMB4508(MS.	27419	5.49	104138	6.50	57948	7.89	93713	9.32	89454	12.34	98117	13.93
9M25177.D	SMB4509	29643	5.49	114435	6.50	65597	7.89	105796	9.32	100317	12.34	107751	13.93
9M25178.D	AC51545-006	19711	5.49	81875	6.50	51970	7.89	84698	9.31	86946	12.34	102551	13.93
9M25179.D	AC51545-007	20516	5.49	85426	6.51	50274	7.89	82863	9.31	85694	12.34	104645	13.93
9M25180.D	AC51545-008	19851	5.49	80471	6.51	48164	7.89	78947	9.31	83424	12.34	98814	13.93
9M25181.D	AC51545-009	19823	5.49	81677	6.51	49453	7.89	84950	9.31	87186	12.34	101260	13.93
9M25182.D	AC51545-010	20627	5.49	75611	6.51	48244	7.89	80933	9.31	81294	12.34	104130	13.93
9M25183.D	AC51545-011	19606	5.49	83761	6.50	48402	7.89	83784	9.31	85740	12.34	102953	13.93
9M25184.D	AC51545-012	20875	5.49	83516	6.50	50666	7.89	87932	9.31	87893	12.34	103537	13.93
9M25185.D	AC51545-013	19452	5.49	81022	6.51	48567	7.89	79262	9.31	82779	12.34	95647	13.93
9M25186.D	AC51545-014	20377	5.49	81672	6.51	49698	7.89	82545	9.31	84626	12.34	101695	13.93
9M25187.D	AC51545-015	23056	5.49	92126	6.51	53924	7.89	91419	9.31	90314	12.34	106884	13.93
9M25188.D	AC51545-016	21297	5.49	85962	6.51	53304	7.89	87816	9.31	87637	12.34	106883	13.93
9M25189.D	AC51545-017	20034	5.49	81593	6.50	49601	7.89	82897	9.31	84578	12.34	99822	13.93
9M25190.D	AC51545-002	14260	5.49	63184	6.51	40505	7.89	63978	9.31	71240	12.34	83392	13.93
9M25191.D	AC51545-002	20914	5.49	82543	6.51	48128	7.89	77218	9.32	81530	12.35	97667	13.94
9M25192.D	AC51545-002	24020	5.49	97781	6.51	55049	7.89	95065	9.32	91194	12.35	106079	13.94
9M25193.D	SMB4509(MS.	34710	5.49	131366	6.51	72212	7.89	114901	9.32	105307	12.34	113335	13.93
9M25194.D	AC51517-002	27938	5.49	110599	6.50	62922	7.89	103714	9.32	99232	12.34	105252	13.93
9M25195.D	AC51517-002	32128	5.49	119665	6.51	67316	7.89	112813	9.32	105473	12.34	113045	13.93
9M25196.D	AC51517-002	28963	5.49	108630	6.50	61087	7.89	100609	9.32	91488	12.34	100337	13.93
9M25197.D	AC51370-002	36220	5.49	136264	6.51	77654	7.89	124578	9.31	109718	12.34	113910	13.93
9M25198.D	AC51370-002	30367	5.49	108993	6.50	58923	7.89	96916	9.32	93303	12.34	112078	13.93
9M25199.D	AC51370-002	36657	5.49	138645	6.51	77779	7.89	127928	9.32	116781	12.34	124691	13.93
9M25200.D	AC51370-001	34431	5.49	130328	6.50	75298	7.89	124069	9.32	106393	12.34	111729	13.93
9M25201.D	AC51370-003	32262	5.49	123927	6.51	67998	7.89	116490	9.32	98275	12.34	99342	13.93
9M25202.D	AC51370-004	28330	5.49	111135	6.51	64439	7.89	105173	9.31	91705	12.34	96615	13.93
9M25203.D	AC51370-005	25867	5.49	105372	6.51	58989	7.89	96864	9.31	86507	12.34	91662	13.93

I1 = 1,4-Dichlorobenzene-d4
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I4 = Phenanthrene-d10
I5 = Chrysene-d12
I6 = Perylene-d12

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524 Internal Standard concentration = 5ug/L

QC Limits:**Internal Standard Areas**

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Retention Times:

Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

FORM8

Internal Standard Areas

Evaluation Std Data File: 5M57765.D

Method: EPA 8270C

Analysis Date/Time: 05/12/10 09:00

Lab File ID: CAL BNA@50PPM

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	44681	5.06	167904	6.10	104153	7.43	195123	8.80	163425	11.80	148775	13.40
Eval File Area Limit:	22340-89362		83952-335808		52076-208306		97562-390246		81712-326850		74388-297550	
Eval File Rt Limit:	4.56-5.56		5.6-6.6		6.93-7.93		8.3-9.3		11.3-12.3		12.9-13.9	

Data File Sample

5M57764.D	BNA@50PPM	42569	5.08	157437	6.12	97890	7.46	182835	8.83	151803	11.84	134238	13.43
5M57766.D	AC51367-004	21597 A	5.06	112848	6.10	96194	7.44	137897	8.82	94378	11.80	107838	13.40
5M57767.D	AC51448-006	36463	5.06	138600	6.09	78003	7.43	127895	8.80	81809	11.80	77253	13.40
5M57768.D	AC51448-007	36481	5.06	151383	6.09	90138	7.43	146487	8.80	91009	11.79	78074	13.40
5M57769.D	AC51314-008	31738	5.06	121488	6.09	66155	7.42	114753	8.80	84877	11.80	85380	13.41
5M57770.D	AC51455-002	36951	5.06	145319	6.09	78190	7.42	114291	8.79	74682 A	11.79	67261 A	13.40
5M57771.D	AC51455-006	31622	5.06	124816	6.09	69870	7.42	97053 A	8.80	67175 A	11.79	71061 A	13.40
5M57772.D	AC51387-001	29144	5.06	121571	6.09	63516	7.43	125113	8.80	103898	11.81	115861	13.43
5M57773.D	AC51387-005	29566	5.06	113522	6.09	53616	7.43	92069 A	8.80	85615	11.81	101751	13.43
5M57774.D	AC51352-001	33686	5.06	135530	6.09	74991	7.43	110543	8.80	75797 A	11.80	83806	13.40
5M57775.D	AC51432-001	35616	5.06	134684	6.09	71127	7.43	114406	8.80	77535 A	11.80	87246	13.41
5M57776.D	AC51432-003	35668	5.06	144227	6.09	75551	7.43	122775	8.80	89355	11.80	94428	13.41
5M57777.D	AC51455-002	36642	5.06	142980	6.09	74880	7.43	107216	8.80	66791 A	11.79	72731 A	13.40
5M57778.D	AC51455-006	32259	5.06	126531	6.09	69773	7.43	91782 A	8.80	69302 A	11.80	75188	13.41
5M57779.D	AC51387-003	42646	5.06	162894	6.09	83019	7.43	125923	8.80	71377 A	11.80	77148	13.40

I1 = 1,4-Dichlorobenzene-d4
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Retention Times:

Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

FORM8

Internal Standard Areas

Evaluation Std Data File: 5M57783.D

Method: EPA 8270C

Analysis Date/Time: 05/12/10 18:45

Lab File ID: CAL BNA@50PPM

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	46762	5.03	181394	6.07	111974	7.40	207492	8.76	172804	11.76	153499	13.36
Eval File Area Limit:	23381-93524		90697-362788		55987-223948		103746-414984		86402-345608		76750-306998	
Eval File Rt Limit:	4.53-5.53		5.57-6.57		6.9-7.9		8.26-9.26		11.26-12.26		12.86-13.86	

Data File	Sample												
5M57784.D	SMB4510	49582	5.04	201531	6.07	121032	7.40	210225	8.76	152029	11.75	117282	13.35
5M57785.D	AC51370-005	41642	5.04	159902	6.07	94154	7.39	159613	8.76	111290	11.75	91799	13.35
5M57786.D	AC51446-007	43799	5.04	157405	6.07	78387	7.39	151395	8.76	85227 A	11.75	85027	13.36
5M57787.D	AC51431-007	41832	5.04	161512	6.07	84566	7.39	119657	8.76	72902 A	11.75	81665	13.36
5M57788.D	AC51431-009	34651	5.04	143651	6.07	84645	7.39	126212	8.76	73011 A	11.75	74504 A	13.36
5M57789.D	AC51555-003	38714	5.03	156696	6.07	92372	7.39	139657	8.76	78692 A	11.75	77684	13.36
5M57790.D	AC51555-004	36400	5.03	149460	6.07	84835	7.39	123909	8.76	73050 A	11.75	73884 A	13.36
5M57791.D	AC51354-001	35648	5.03	146694	6.07	84229	7.39	149287	8.76	99331	11.75	82610	13.36
5M57792.D	AC51354-002	35860	5.03	148246	6.07	85653	7.39	144933	8.76	96241	11.75	79564	13.36
5M57793.D	AC51351-009	39473	5.03	142935	6.07	71501	7.39	106969	8.76	102589	11.77	119307	13.38
5M57794.D	AC51351-010	34996	5.03	138879	6.07	78029	7.39	107910	8.76	99069	11.76	123591	13.38
5M57795.D	AC51351-012	38424	5.03	146613	6.07	79296	7.40	121399	8.76	167405	11.79	214509	13.41
5M57796.D	AC51387-004	30125	5.03	115706	6.07	67276	7.40	116710	8.76	90793	11.76	100222	13.38
5M57797.D	AC51387-002	32687	5.03	122474	6.07	68712	7.40	124122	8.76	94457	11.76	95318	13.37
5M57798.D	AC51387-006	33412	5.03	124566	6.07	66609	7.40	123319	8.76	92192	11.76	91886	13.37
5M57799.D	AC51455-011	35534	5.03	150087	6.07	94164	7.39	158692	8.76	87197	11.75	80646	13.36
5M57800.D	AC51314-009	35617	5.03	147409	6.07	99189	7.39	180369	8.76	89339	11.75	79781	13.36
5M57801.D	AC51455-014	34994	5.03	128042	6.07	79414	7.39	131185	8.76	77169 A	11.75	76756	13.36
5M57802.D	AC51448-008	35915	5.03	150939	6.07	93373	7.39	148638	8.76	82365 A	11.76	82269	13.36
5M57803.D	AC51217-002	29544	5.08	170075	6.08	119730	7.41	241691	8.80	99420	11.77	91373	13.36
5M57804.D	AC51431-012	37669	5.03	153057	6.07	92102	7.39	147933	8.76	99164	11.76	111759	13.37
5M57805.D	AC51555-001	38931	5.03	161282	6.07	95418	7.40	148530	8.76	95017	11.76	101588	13.37
5M57806.D	AC51555-005	39766	5.03	155822	6.07	83237	7.40	120860	8.76	90038	11.76	99577	13.37
5M57807.D	AC51555-006	37638	5.03	161321	6.07	95139	7.40	144889	8.76	103802	11.76	110600	13.38
5M57808.D	AC51446-001	39695	5.03	166441	6.07	92721	7.40	136522	8.77	90872	11.76	90130	13.37
5M57809.D	AC51446-002	40182	5.03	161172	6.07	81465	7.40	127196	8.77	98375	11.77	94479	13.38
5M57810.D	AC51446-005	33164	5.04	143212	6.08	76631	7.40	145552	8.76	90103	11.76	91065	13.37
5M57811.D	AC51431-008	36036	5.03	150247	6.07	95727	7.40	158282	8.76	83443 A	11.76	83896	13.37
5M57812.D	AC51431-010	38685	5.03	161120	6.07	102142	7.40	163661	8.76	83616 A	11.76	85602	13.37
5M57813.D	AC51431-011	38014	5.03	159746	6.07	98626	7.40	156589	8.76	88706	11.76	93362	13.37
5M57814.D	AC51555-002	37225	5.03	157924	6.07	96186	7.40	141562	8.76	87286	11.76	91187	13.37

I1 = 1,4-Dichlorobenzene-d4
I2 = Naphthalene-d8
I3 = Acenaphthene-d10

I4 = Phenanthrene-d10
I5 = Chrysene-d12
I6 = Perylene-d12

625/8270 Internal Standard concentration = 40 mg/L (in final extract)
624/8260 Internal Standard concentration = 30ug/L
524 Internal Standard concentration = 5ug/L

QC Limits:**Internal Standard Areas**

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Retention Times:

Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

**GC/MS Semi-Volatile Data
Sample Data**

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AC51387-001

Client Id: PI-01-TP-RAU4042910SS0

Data File: 5M57772.D

Analysis Date: 05/12/10 11:56

Date Rec/Extracted: 05/03/10-05/11/10

Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270C

Matrix: Soil

Initial Vol: 30g

Final Vol: 1ml

Dilution: 1

Solids: 36

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
120-82-1	1,2,4-Trichlorobenzene	0.19	U	191-24-2	Benzo[g,h,i]perylene	0.19	0.68
122-66-7	1,2-Diphenylhydrazine	0.19	U	207-08-9	Benzo[k]fluoranthene	0.19	0.28
95-95-4	2,4,5-Trichlorophenol	0.19	U	65-85-0	Benzoic Acid	0.93	U
88-06-2	2,4,6-Trichlorophenol	0.19	U	111-91-1	bis(2-Chloroethoxy)methan	0.19	U
120-83-2	2,4-Dichlorophenol	0.19	U	111-44-4	bis(2-Chloroethyl)ether	0.19	U
105-67-9	2,4-Dimethylphenol	0.19	U	108-60-1	bis(2-chloroisopropyl)ether	0.19	U
51-28-5	2,4-Dinitrophenol	0.93	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.19	U
121-14-2	2,4-Dinitrotoluene	0.19	U	85-68-7	Butylbenzylphthalate	0.19	U
606-20-2	2,6-Dinitrotoluene	0.19	U	86-74-8	Carbazole	0.19	0.38
91-58-7	2-Chloronaphthalene	0.19	U	218-01-9	Chrysene	0.19	1.3
95-57-8	2-Chlorophenol	0.19	U	53-70-3	Dibenzo[a,h]anthracene	0.19	U
91-57-6	2-Methylnaphthalene	0.19	2.6	132-64-9	Dibenzofuran	0.19	0.41
95-48-7	2-Methylphenol	0.19	U	84-66-2	Diethylphthalate	0.19	U
88-74-4	2-Nitroaniline	0.19	U	131-11-3	Dimethylphthalate	0.19	U
88-75-5	2-Nitrophenol	0.19	U	84-74-2	Di-n-butylphthalate	0.19	U
106-44-5	3&4-Methylphenol	0.19	U	117-84-0	Di-n-octylphthalate	0.19	U
91-94-1	3,3'-Dichlorobenzidine	0.19	U	206-44-0	Fluoranthene	0.19	2.7
99-09-2	3-Nitroaniline	0.19	U	86-73-7	Fluorene	0.19	0.96
534-52-1	4,6-Dinitro-2-methylphenol	0.93	U	118-74-1	Hexachlorobenzene	0.19	U
101-55-3	4-Bromophenyl-phenylether	0.19	U	87-68-3	Hexachlorobutadiene	0.19	U
59-50-7	4-Chloro-3-methylphenol	0.19	U	77-47-4	Hexachlorocyclopentadiene	0.93	U
106-47-8	4-Chloroaniline	0.19	U	67-72-1	Hexachloroethane	0.19	U
7005-72-3	4-Chlorophenyl-phenylether	0.19	U	193-39-5	Indeno[1,2,3-cd]pyrene	0.19	0.51
100-01-6	4-Nitroaniline	0.19	U	78-59-1	Isophorone	0.19	U
100-02-7	4-Nitrophenol	0.19	U	91-20-3	Naphthalene	0.19	3.6
83-32-9	Acenaphthene	0.19	0.70	98-95-3	Nitrobenzene	0.19	U
208-96-8	Acenaphthylene	0.19	U	62-75-9	N-Nitrosodimethylamine	0.19	U
62-53-3	Aniline	0.19	U	621-64-7	N-Nitroso-di-n-propylamine	0.19	U
120-12-7	Anthracene	0.19	0.86	86-30-6	n-Nitrosodiphenylamine	0.19	U
92-87-5	Benidine	0.93	U	87-86-5	Pentachlorophenol	0.93	U
56-55-3	Benzo[a]anthracene	0.19	1.1	85-01-8	Phenanthrene	0.19	6.3
50-32-8	Benzo[a]pyrene	0.19	0.56	108-95-2	Phenol	0.19	U
205-99-2	Benzo[b]fluoranthene	0.19	0.92	129-00-0	Pyrene	0.19	3.3

Worksheet #: 151474

Total Target Concentration 27

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.

B - Indicates the analyte was found in the blank as well as in the sample.

E - Indicates the analyte concentration exceeds the calibration range of the instrument.

R - Retention Time Out

J - Indicates an estimated value when a compound is detected at less than the specified detection limit.

d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.

Form1eORGANICS SEMIVOLATILE REPORT
Tentatively Identified Compounds

Sample Number: AC51387-001	Matrix: Soil
Client Id: PI-01-TP-RAU4042910	Initial Vol: 30g
Data File: 5M57772.D	Final Vol: 1ml
Analysis Date: 05/12/10 11:56	Dilution: 1
Date Rec/Extracted: 05/03/10-05/11/10	Solids: 36
	Method: EPA 8270C

Units: mg/Kg

	Cas #	Compound	RT	Conc
1	123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.49	450 JAY
2	123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.51	39 JAB
3		unknown	9.84	37 J
4	629-92-5	Nonadecane	11.76	25 J
5	112-95-8	Eicosane	12.51	20 J
6		unknown	13.12	33 J
7		unknown	13.17	20 J
8	629-99-2	Pentacosane	13.24	22 J
9		unknown	13.79	29 J
10		unknown	13.83	19 J
11		unknown	13.99	33 J
12		unknown	14.11	29 J
13		unknown	14.71	76 J
14	10064-26-3	Phenanthrene, 1,2,3,4,4a,9,10,10a-octa	14.87	100 J
15		unknown	14.90	66 J
16	6538-02-9	Epiergostanol	14.95	26 J
17	127-22-0	Alnulin	15.05	140 J
18	6831-17-0	Aristolone	15.09	20 J
19	22611-26-3	D:C-Friedoolean-8-en-3-one	15.16	34 J
20		unknown	15.35	29 J

Worksheet #: 151474

Total Tentatively Identified Concentration 1200*A - Indicates an aldol condensate.**J - Indicates an estimated value.**B - Indicates the analyte was found in the blank as well as in the sample.**Y - Indicates the analyte was found in the blank at <10% of the concentration of the sample.**<10% - Indicates the analyte was found in the blank at < 10% of nearest Internal Standard*

Quantitation Report (QT/LSC Reviewed)

SampleID : AC51387-001
 Data File: 5M57772.D
 Acq On : 05/12/10 11:56

Operator : AHD
 Sam Mult : 1 Vial# : 9
 Misc : S,BNA

Qt Meth : 5M_0430.M
 Qt On : 05/12/10 12:15
 Qt Upd On: 05/10/10 10:23

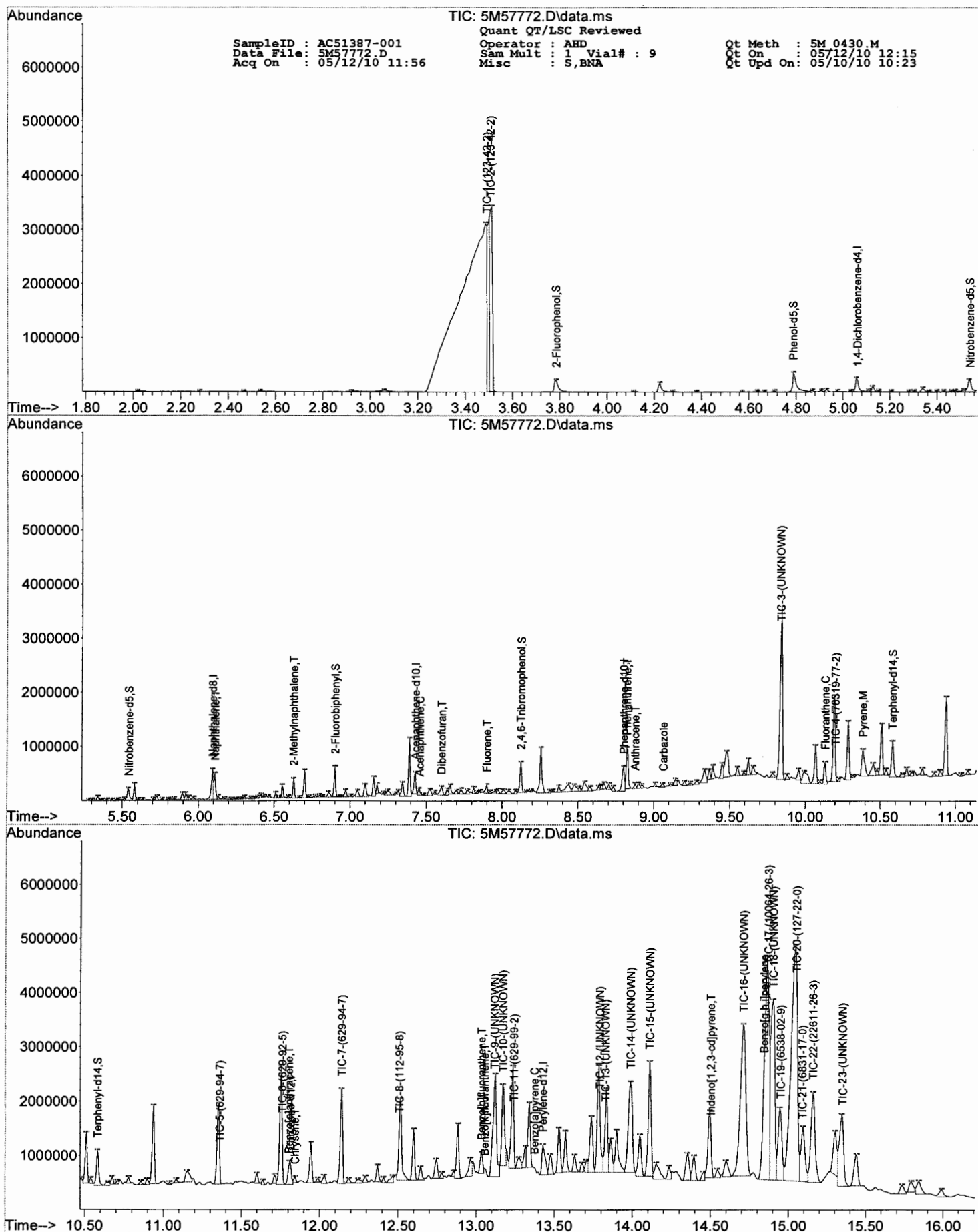
Data Path : G:\GcMsData\2010\GCMS_5\Data\05-12-10\
 Qt Path : G:\GCMSDATA\2010\GCMS_5\METHODQT\
 Qt Resp Via : Initial Calibration

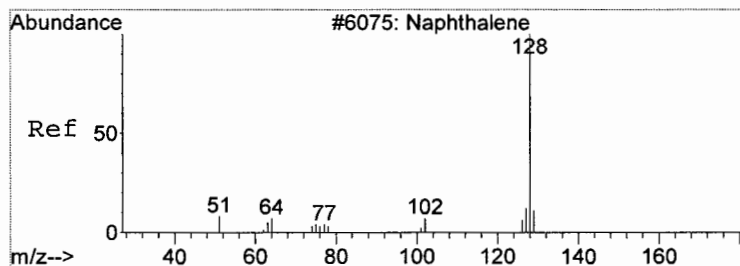
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.062	152	29144	40.00	ng	-0.19
29) Naphthalene-d8	6.093	136	121571	40.00	ng	-0.19
47) Acenaphthene-d10	7.429	164	63516	40.00	ng	-0.21
73) Phenanthrene-d10	8.802	188	125113	40.00	ng	-0.24
87) Chrysene-d12	11.815	240	103898	40.00	ng	-0.25
102) Perylene-d12	13.428	264	115861	40.00	ng	-0.24
System Monitoring Compounds						
10) 2-Fluorophenol	3.785	112	59228	67.66	ng	-0.21
Spiked Amount 100.000			Recovery	=	67.66%	
15) Phenol-d5	4.790	99	106391	81.64	ng	-0.19
Spiked Amount 100.000			Recovery	=	81.64%	
30) Nitrobenzene-d5	5.543	128	20750	42.68	ng	-0.19
Spiked Amount 50.000			Recovery	=	85.36%	
52) 2-Fluorobiphenyl	6.900	172	99166	45.68	ng	-0.19
Spiked Amount 50.000			Recovery	=	91.36%	
76) 2,4,6-Tribromophenol	8.123	330	29326	104.63	ng	-0.23
Spiked Amount 100.000			Recovery	=	104.63%	
90) Terphenyl-d14	10.581	244	147245	51.81	ng	-0.25
Spiked Amount 50.000			Recovery	=	103.62%	
Target Compounds						
39) Naphthalene	6.109	128	127403	38.75	ng	98
44) 2-Methylnaphthalene	6.627	142	65106	27.56	ng	100
61) Acenaphthene	7.455	153	14500	7.53	ng	96
64) Dibenzofuran	7.600	168	12680	4.46	ng	88
68) Fluorene	7.899	166	25533	10.41	ng	97
82) Phenanthrene	8.823	178	250610	68.09	ng	99
83) Anthracene	8.876	178	34417	9.32	ng	99
84) Carbazole	9.063	167	13669	4.07	ng	99
86) Fluoranthene	10.132	202	129755	29.37	ng	78
88) Pyrene	10.383	202	147605	35.25	ng	78
99) Benzo[a]anthracene	11.804	228	45894	11.66	ng	91
100) Chrysene	11.841	228	48496	13.96	ng	96
104) Benzo[b]fluoranthene	13.033	252	41807m	9.97	ng	
105) Benzo[k]fluoranthene	13.054	252	12124m	3.05	ng	
106) Benzo[a]pyrene	13.375	252	23396	6.10	ng	89
107) Indeno[1,2,3-cd]pyrene	14.502	276	16929	5.48	ng	82
109) Benzo[g,h,i]perylene	14.844	276	22031	7.31	ng	58
Library Search Internal Standards TIC Results						
1) 1,4-Dichlorobenzene-d4	5.057		205241	40.00	ng	--
2) Acenaphthene-d10	7.429		333070	40.00	ng	--
Library Search Compounds						
1) 123-42-2	3.490		25021596	4876.53	ng	64
2) 123-42-2	3.510		2180678	425.00	ng	45
3) UNKNOWN	9.840		3344884	401.70	ng	--
4) 76319-77-2	10.200		1566102	188.08	ng	90
5) 629-94-7	11.360		1567717	188.28	ng	98
6) 629-92-5	11.760		2226241	267.36	ng	97
7) 629-94-7	12.140		1713781	205.82	ng	97
8) 112-95-8	12.510		1818038	218.34	ng	97
9) UNKNOWN	13.120		2979375	357.81	ng	--
10) UNKNOWN	13.170		1830070	219.78	ng	--
11) 629-99-2	13.240		1958811	235.24	ng	99
12) UNKNOWN	13.790		2627743	315.58	ng	--
13) UNKNOWN	13.830		1747764	209.90	ng	--
14) UNKNOWN	13.990		2992969	359.44	ng	--
15) UNKNOWN	14.110		2633629	316.29	ng	--
16) UNKNOWN	14.710		6871577	825.24	ng	--
17) 10064-26-3	14.870		8982876	1078.80	ng	81
18) UNKNOWN	14.900		5947682	714.29	ng	--
19) 6538-02-9	14.950		2308825	277.28	ng	76
20) 127-22-0	15.050		12474789	1498.16	ng	72
21) 6831-17-0	15.090		1784953	214.36	ng	56
22) 22611-26-3	15.160		3053043	366.65	ng	70
23) UNKNOWN	15.350		2576103	309.38	ng	--

(#) = qualifier out of range (m) = manual integration (+) = signals summed

le





#39

Naphthalene

Concen: 38.75 ng

RT: 6.109 min Scan# 810

Delta R.T. -0.193 min

Lab File: 5M57772.D

Acq: 12 May 2010 11:56

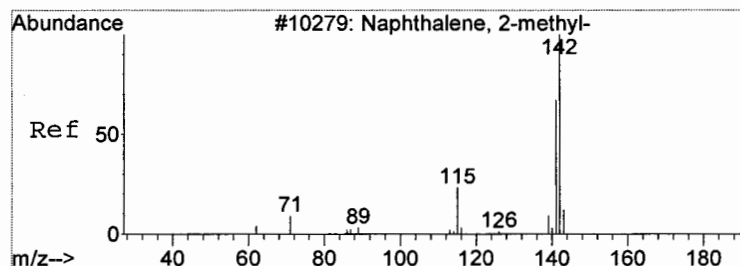
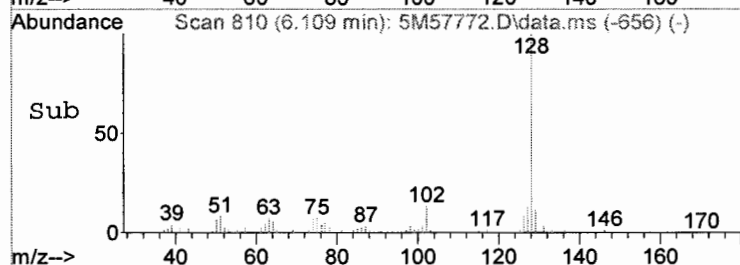
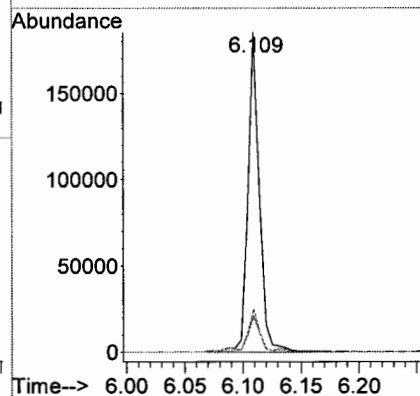
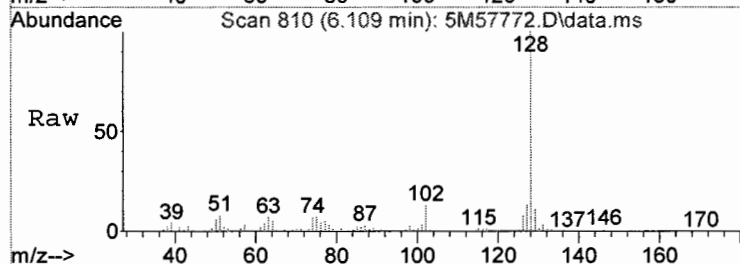
Tgt Ion:128 Resp: 127403

Ion Ratio Lower Upper

128 100

129 11.3 0.0 50.9

127 13.4 0.0 52.4



#44

2-Methylnaphthalene

Concen: 27.56 ng

RT: 6.627 min Scan# 907

Delta R.T. -0.193 min

Lab File: 5M57772.D

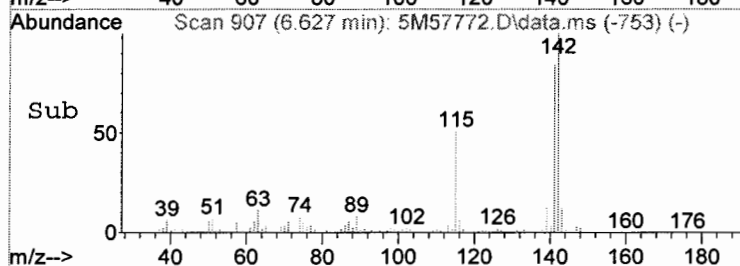
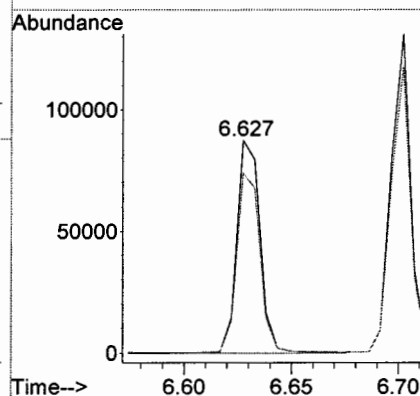
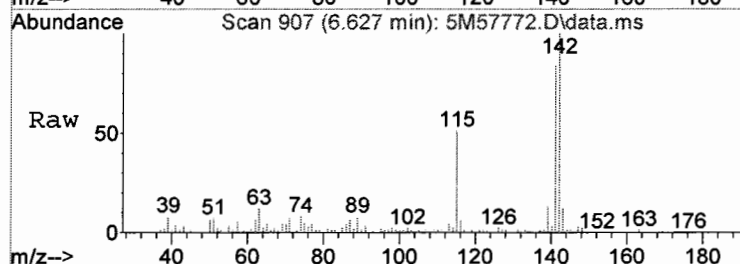
Acq: 12 May 2010 11:56

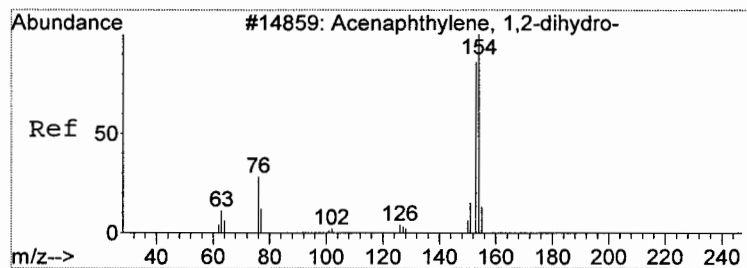
Tgt Ion:142 Resp: 65106

Ion Ratio Lower Upper

142 100

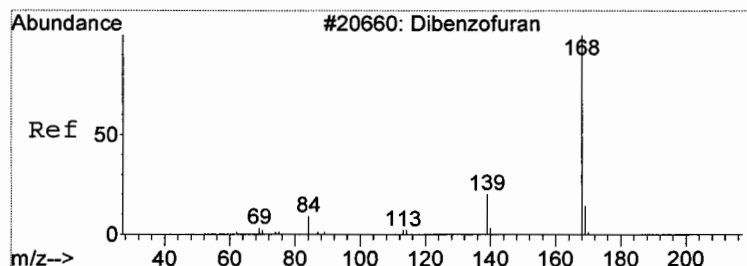
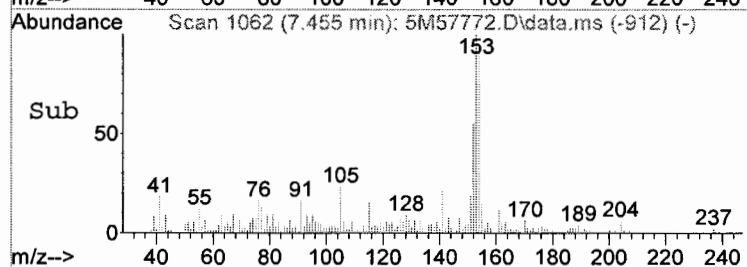
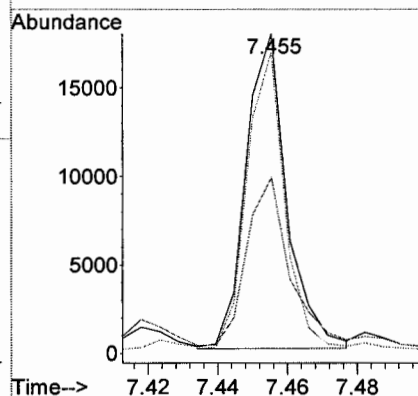
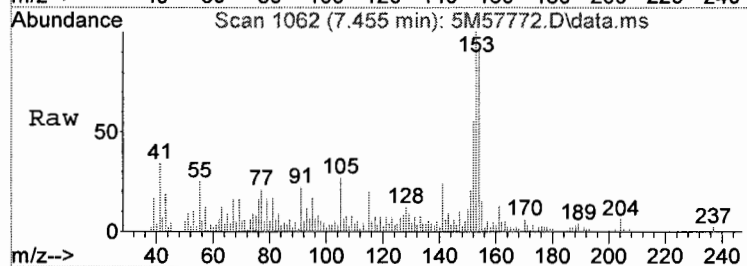
141 84.2 44.6 124.6





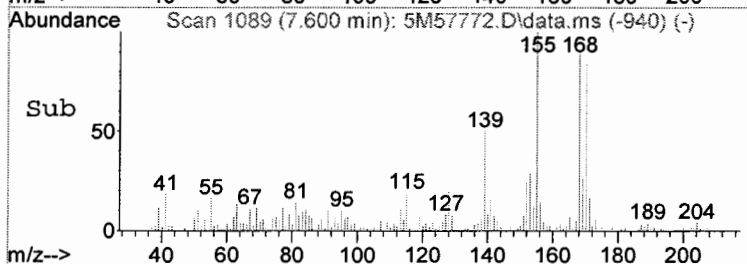
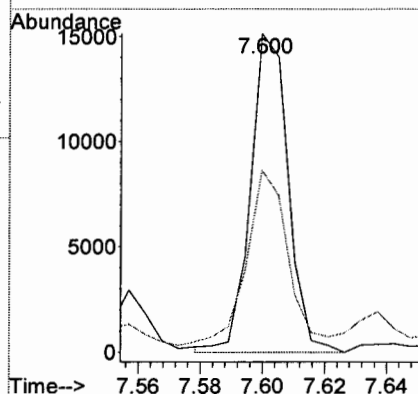
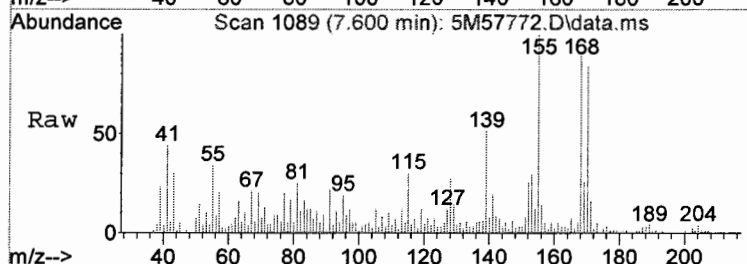
#61
Acenaphthene
Concen: 7.53 ng
RT: 7.455 min Scan# 1062
Delta R.T. -0.214 min
Lab File: 5M57772.D
Acq: 12 May 2010 11:56

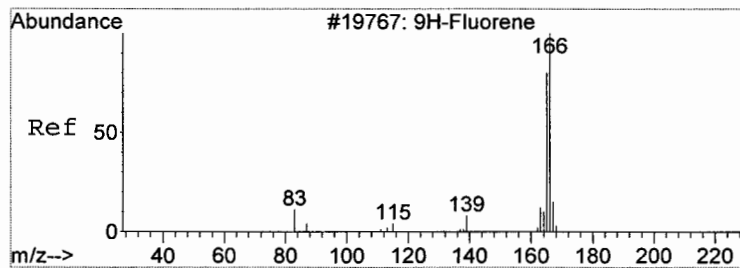
Tgt Ion	Ratio	Lower	Upper
153	100		
152	53.8	10.0	90.0
154	94.3	57.5	137.5



#64
Dibenzofuran
Concen: 4.46 ng
RT: 7.600 min Scan# 1089
Delta R.T. -0.220 min
Lab File: 5M57772.D
Acq: 12 May 2010 11:56

Tgt Ion	Ratio	Lower	Upper
168	100		
139	53.8	0.0	246.0





#68

Fluorene

Concen: 10.41 ng

RT: 7.899 min Scan# 1145

Delta R.T. -0.225 min

Lab File: 5M57772.D

Acq: 12 May 2010 11:56

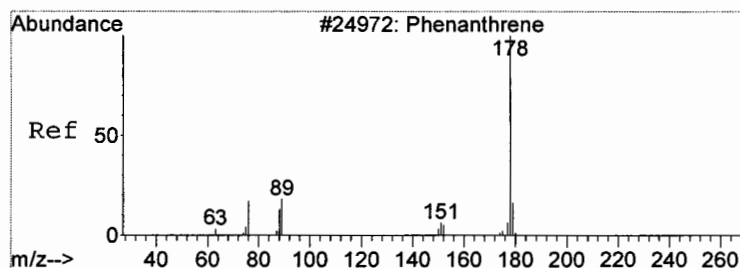
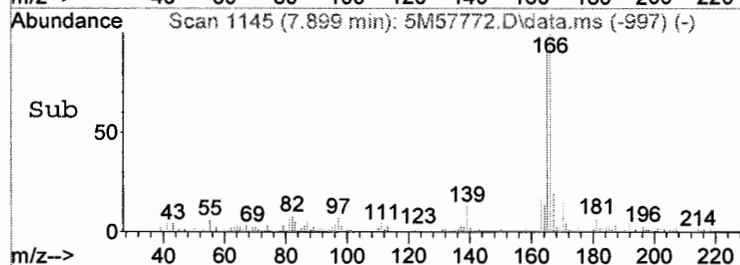
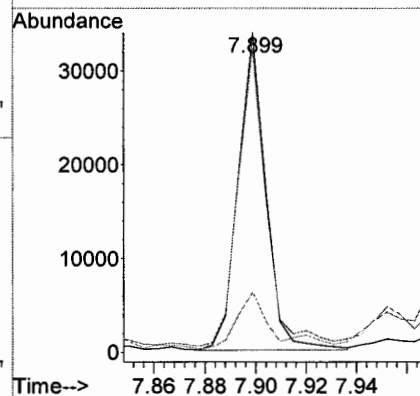
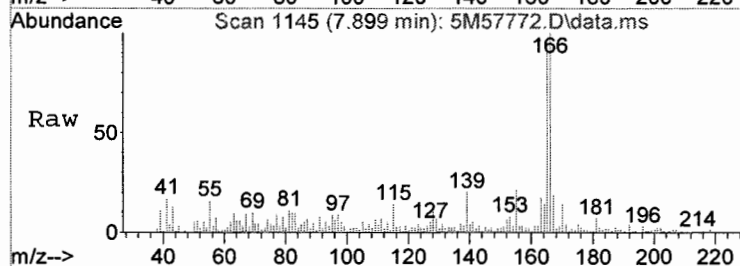
Tgt Ion:166 Resp: 25533

Ion Ratio Lower Upper

166 100

165 94.0 0.0 292.6

167 18.0 0.0 213.2



#82

Phenanthrene

Concen: 68.09 ng

RT: 8.823 min Scan# 1318

Delta R.T. -0.246 min

Lab File: 5M57772.D

Acq: 12 May 2010 11:56

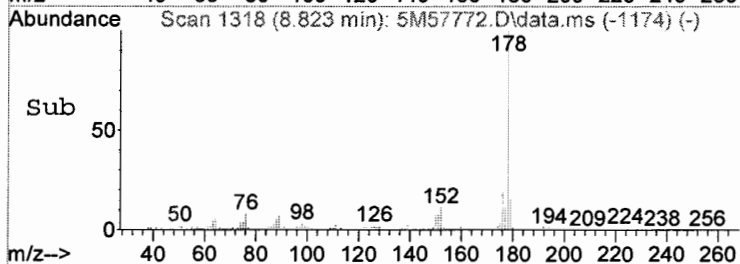
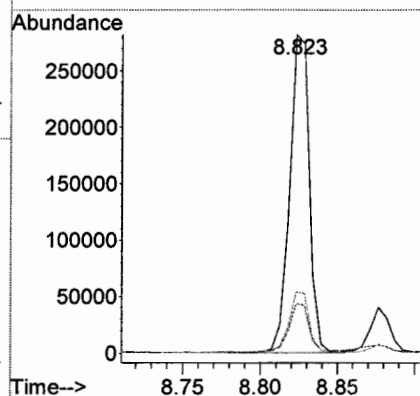
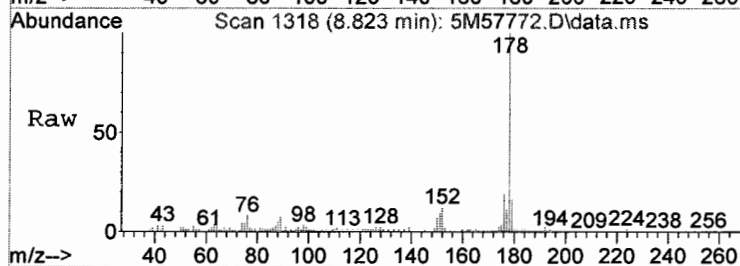
Tgt Ion:178 Resp: 250610

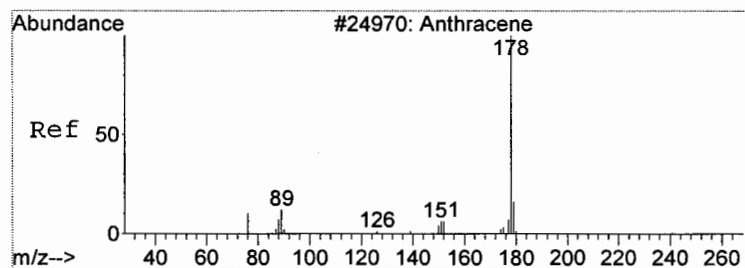
Ion Ratio Lower Upper

178 100

179 15.4 0.0 55.5

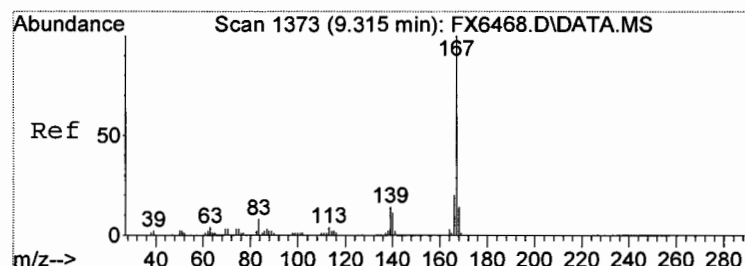
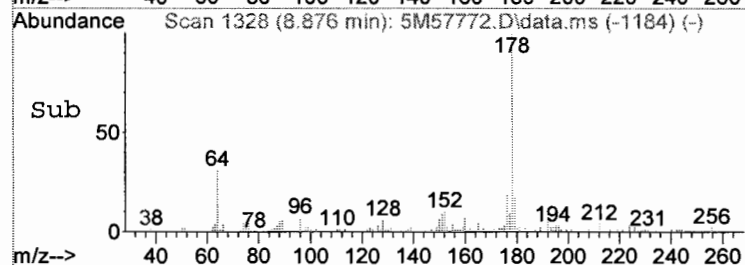
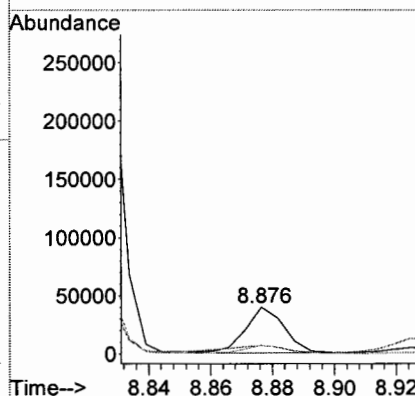
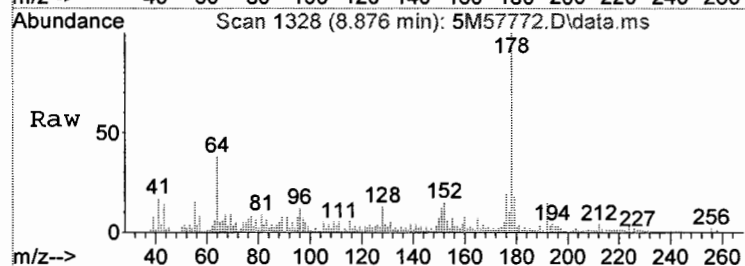
176 19.0 0.0 59.3





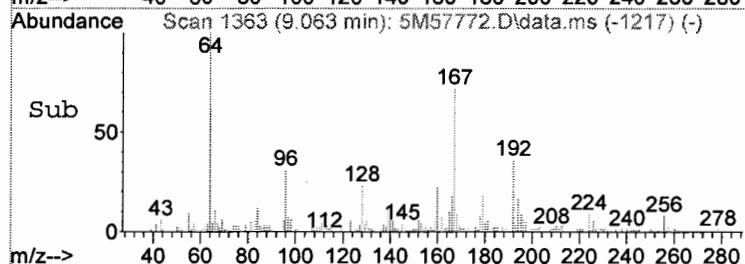
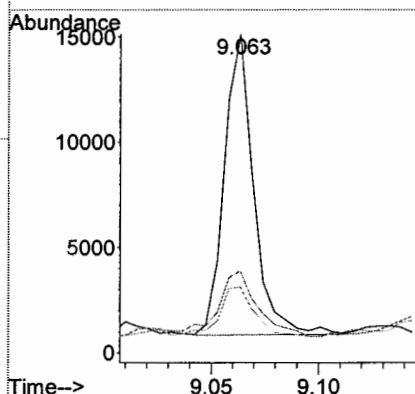
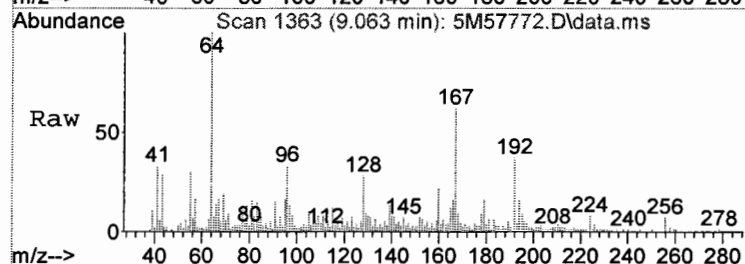
#83
 Anthracene
 Concen: 9.32 ng
 RT: 8.876 min Scan# 1328
 Delta R.T. -0.246 min
 Lab File: 5M57772.D
 Acq: 12 May 2010 11:56

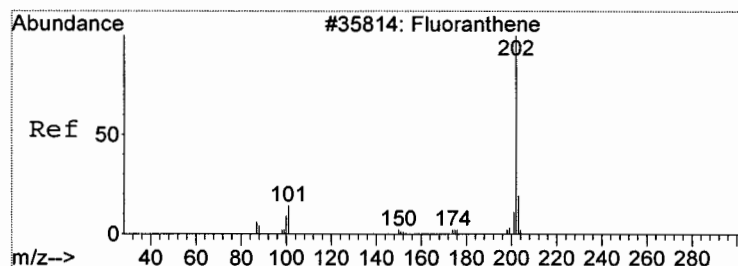
Tgt Ion	Ratio	Lower	Upper
178	100		
179	14.5	0.0	55.2
176	18.0	0.0	58.1



#84
 Carbazole
 Concen: 4.07 ng
 RT: 9.063 min Scan# 1363
 Delta R.T. -0.236 min
 Lab File: 5M57772.D
 Acq: 12 May 2010 11:56

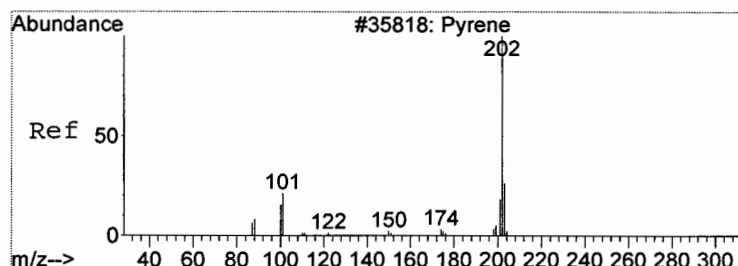
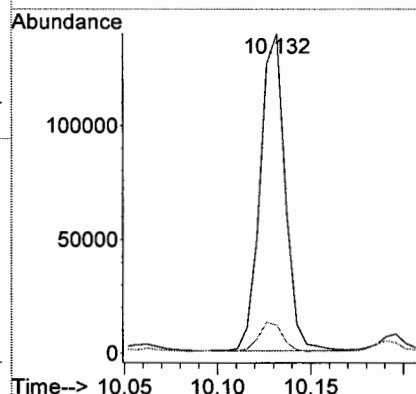
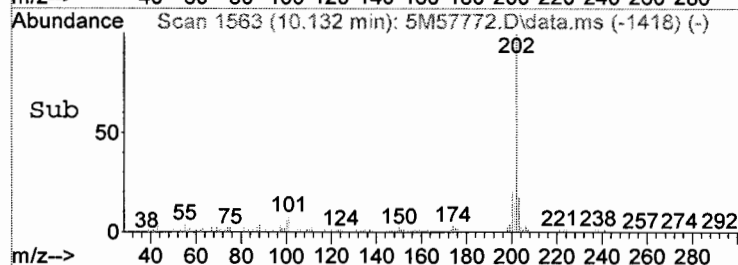
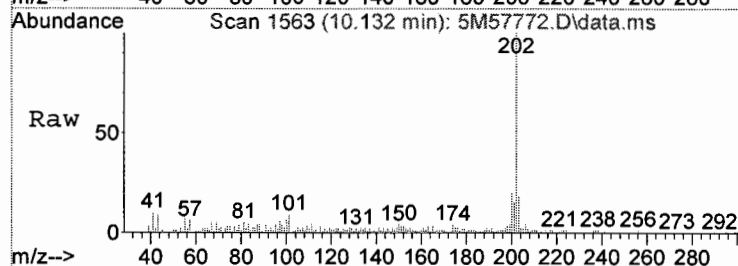
Tgt Ion	Ratio	Lower	Upper
167	100		
166	20.9	0.2	40.2
139	15.0	0.0	35.0





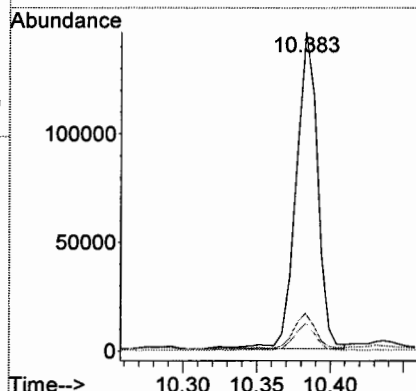
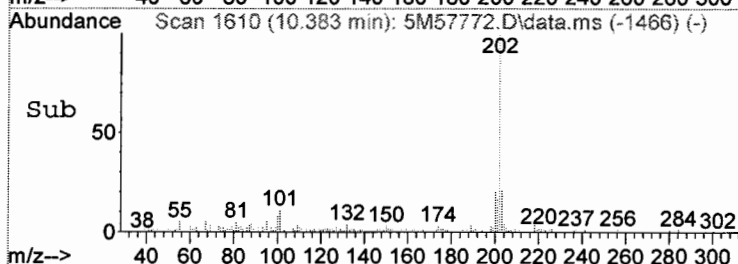
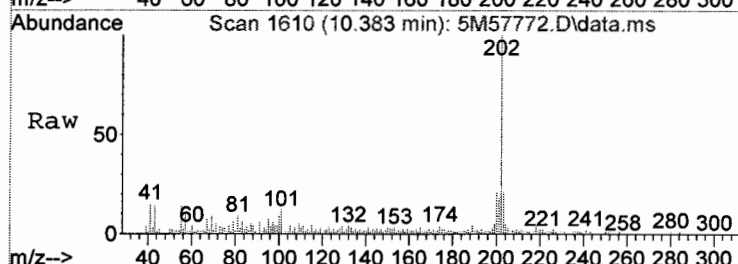
#86
Fluoranthene
Concen: 29.37 ng
RT: 10.132 min Scan# 1563
Delta R.T. -0.241 min
Lab File: 5M57772.D
Acq: 12 May 2010 11:56

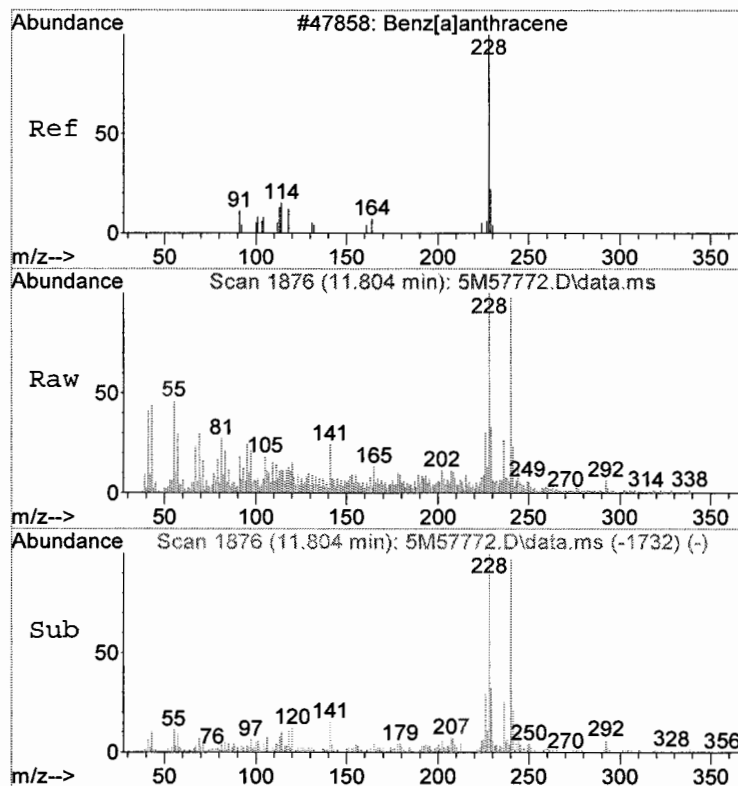
Tgt Ion: 202 Resp: 129755
Ion Ratio Lower Upper
202 100
101 8.1 0.0 57.6



#88
Pyrene
Concen: 35.25 ng
RT: 10.383 min Scan# 1610
Delta R.T. -0.246 min
Lab File: 5M57772.D
Acq: 12 May 2010 11:56

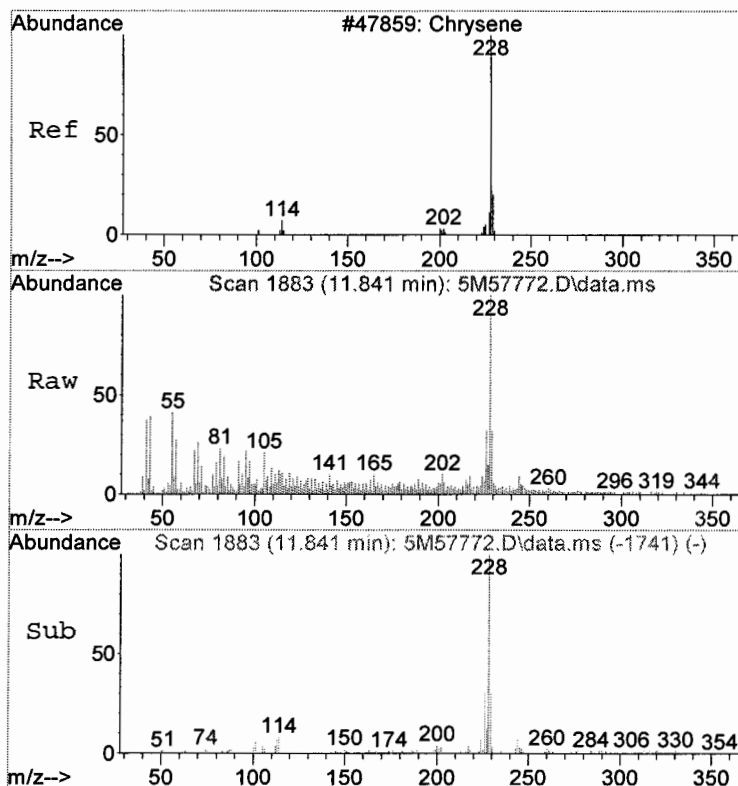
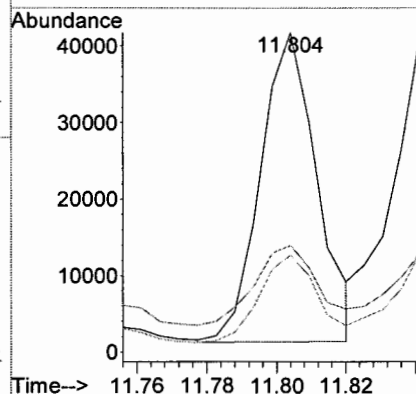
Tgt Ion: 202 Resp: 147605
Ion Ratio Lower Upper
202 100
101 11.2 0.0 62.2
100 8.5 0.0 57.8





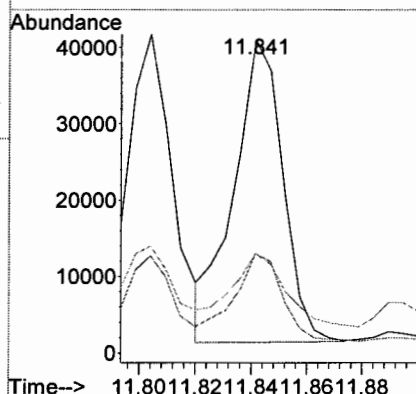
#99
Benzo[a]anthracene
Concen: 11.66 ng
RT: 11.804 min Scan# 1876
Delta R.T. -0.246 min
Lab File: 5M57772.D
Acq: 12 May 2010 11:56

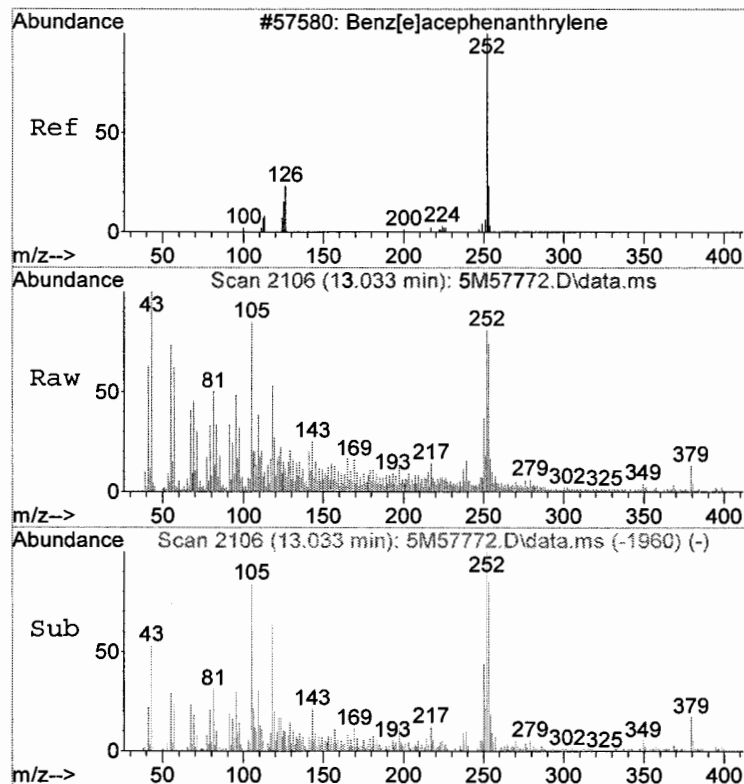
Tgt Ion	Ratio	Lower	Upper
228	100		
229	26.0	0.0	59.5
226	28.4	0.0	66.0



#100
Chrysene
Concen: 13.96 ng
RT: 11.841 min Scan# 1883
Delta R.T. -0.257 min
Lab File: 5M57772.D
Acq: 12 May 2010 11:56

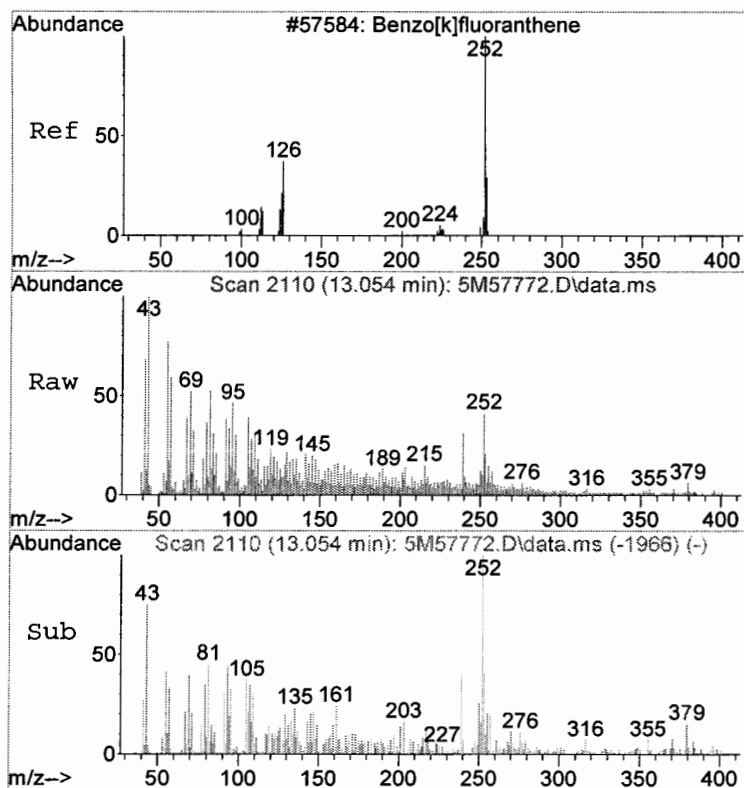
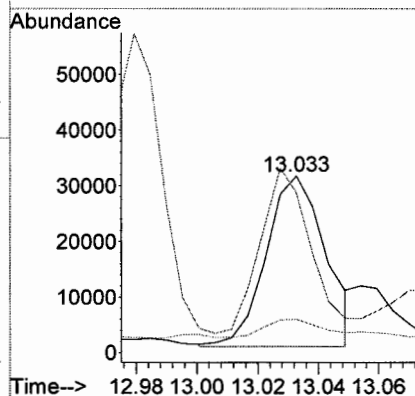
Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.6	9.5	49.5
229	23.7	0.0	60.2





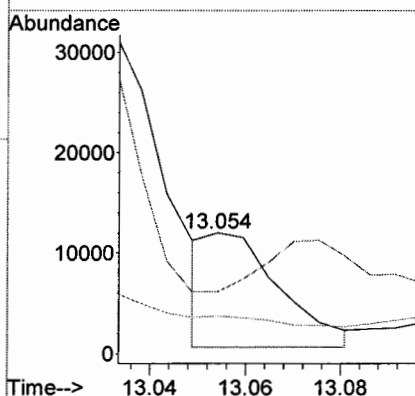
#104
Benzo[b]fluoranthene
Concen: 9.97 ng m
RT: 13.033 min Scan# 2106
Delta R.T. -0.236 min
Lab File: 5M57772.D
Acq: 12 May 2010 11:56

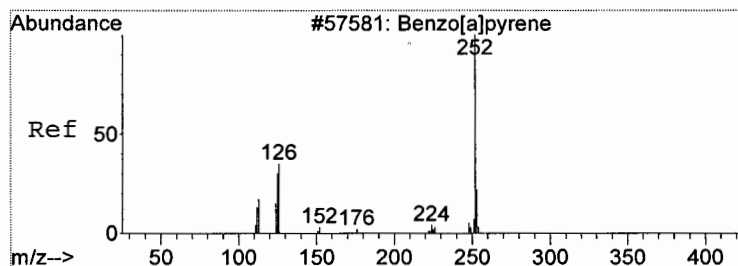
Tgt Ion: 252 Resp: 41807
Ion Ratio Lower Upper
252 100
253 90.5 0.0 62.3#
125 18.9 0.0 58.4



#105
Benzo[k]fluoranthene
Concen: 3.05 ng m
RT: 13.054 min Scan# 2110
Delta R.T. -0.246 min
Lab File: 5M57772.D
Acq: 12 May 2010 11:56

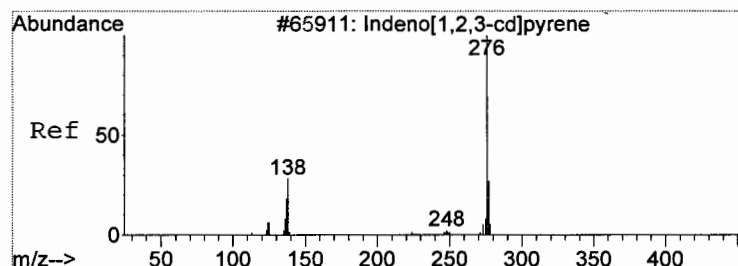
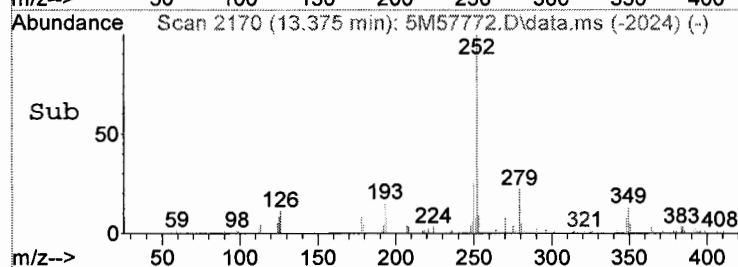
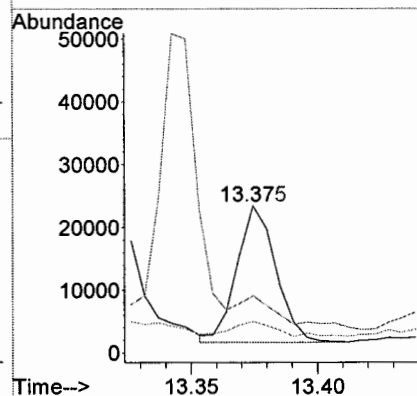
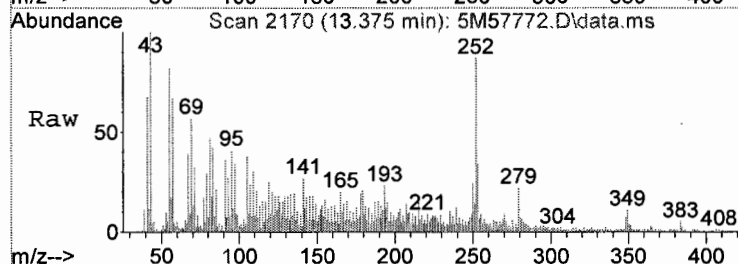
Tgt Ion: 252 Resp: 12124
Ion Ratio Lower Upper
252 100
253 51.1 0.0 62.2
125 31.0 0.0 58.9





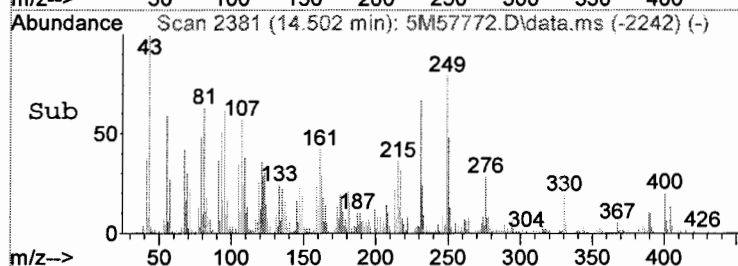
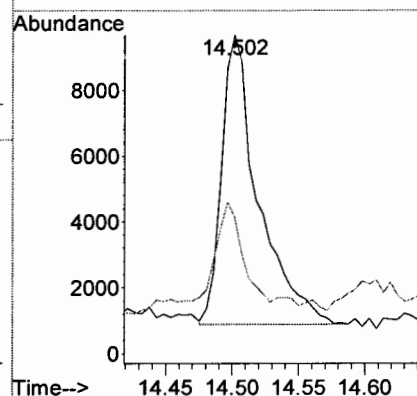
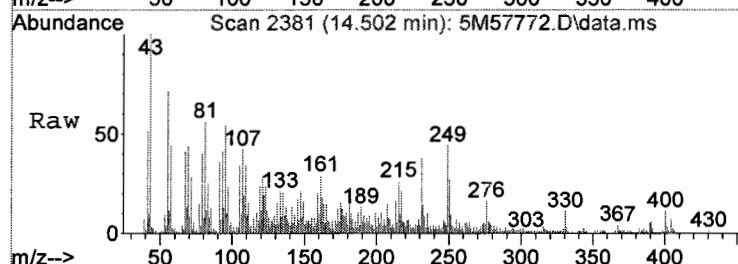
#106
Benzo[a]pyrene
Concen: 6.10 ng
RT: 13.375 min Scan# 2170
Delta R.T. -0.236 min
Lab File: 5M57772.D
Acq: 12 May 2010 11:56

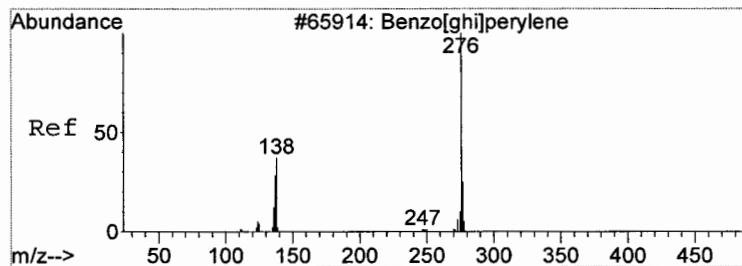
Tgt Ion: 252 Resp: 23396
Ion Ratio Lower Upper
252 100
253 23.2 0.0 62.4
125 11.2 0.0 60.9



#107
Indeno[1,2,3-cd]pyrene
Concen: 5.48 ng
RT: 14.502 min Scan# 2381
Delta R.T. -0.272 min
Lab File: 5M57772.D
Acq: 12 May 2010 11:56

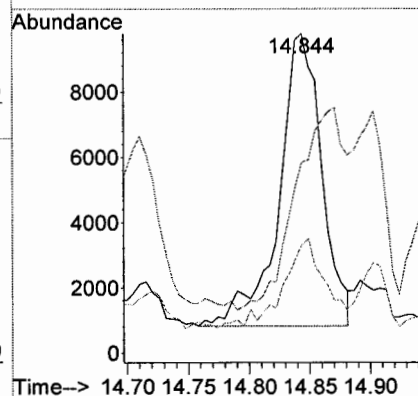
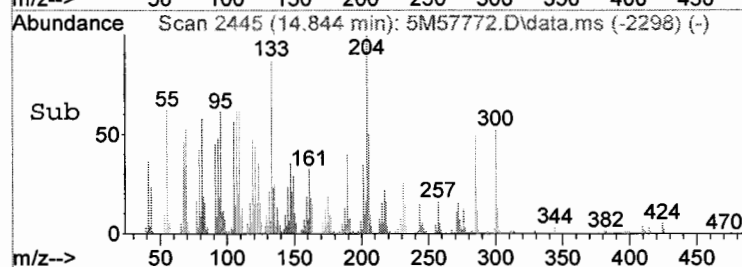
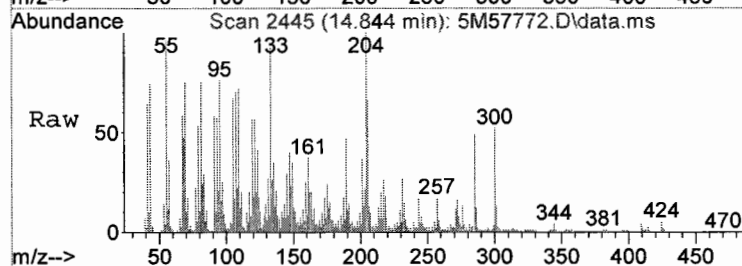
Tgt Ion: 276 Resp: 16929
Ion Ratio Lower Upper
276 100
138 27.8 0.0 78.9





#109
Benzo[g,h,i]perylene
Concen: 7.31 ng
RT: 14.844 min Scan# 2445
Delta R.T. -0.225 min
Lab File: 5M57772.D
Acq: 12 May 2010 11:56

Tgt Ion: 276 Resp: 22031
Ion Ratio Lower Upper
276 100
138 78.4 0.0 140.0
277 18.7 0.0 120.0



LSC Area Percent Report

Data Path : G:\GcMsData\2010\GCMS_5\Data\05-12-10\
 Data File : 5M57772.D
 Acq On : 12 May 2010 11:56
 Operator : AHD
 Sample : AC51387-001
 Misc : S,BNA
 ALS Vial : 9 Sample Multiplier: 1

Integration Parameters: LSCINT.P

Integrator: RTE

Smoothing : OFF

Sampling : 1

Start Thrs: 0.05

Stop Thrs : 0

Filtering: 5

Min Area: 500 Area counts

Max Peaks: 250

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 1

Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0430.M
 Title : @GCMS_5,mg,625,8270

Signal : TIC: 5M57772.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.017	42	44	49	rBV2	7391	10592	0.04%	0.007%
2	2.279	87	93	100	rBV7	3825	7423	0.03%	0.005%
3	2.466	124	128	134	rBV5	3103	6573	0.03%	0.004%
4	2.535	136	141	148	rBV4	10389	20338	0.08%	0.014%
5	2.920	204	213	214	rBV2	7340	13217	0.05%	0.009%
6	3.059	230	239	255	rVB3	26186	81085	0.32%	0.054%
7	3.486	270	319	320	rBV	3118412	25021596	100.00%	16.685%
8	3.513	322	324	326	rVB	3416876	2180678	8.72%	1.454%
9	3.785	372	375	389	rBV	213195	262757	1.05%	0.175%
10	4.111	429	436	443	rBV	11566	18349	0.07%	0.012%
11	4.223	453	457	465	rBV	162488	149345	0.60%	0.100%
12	4.277	465	467	478	rVB4	10415	15156	0.06%	0.010%
13	4.378	478	486	491	rBV4	5128	6555	0.03%	0.004%
14	4.571	517	522	525	rBV	6550	7482	0.03%	0.005%
15	4.635	532	534	538	rBV	9657	10969	0.04%	0.007%
16	4.667	538	540	544	rVB2	7005	6763	0.03%	0.005%
17	4.710	544	548	555	rBV2	15210	18540	0.07%	0.012%
18	4.790	557	563	575	rBV	350300	401305	1.60%	0.268%
19	4.870	575	578	582	rVV3	24510	27888	0.11%	0.019%
20	4.907	582	585	587	rVV	25058	19959	0.08%	0.013%
21	4.929	587	589	593	rVB	39441	30147	0.12%	0.020%
22	4.977	593	598	600	rBV4	12603	11013	0.04%	0.007%
23	5.035	605	609	611	rBV	12407	11654	0.05%	0.008%
24	5.057	611	613	618	rBV	240003	205265	0.82%	0.137%
25	5.110	620	623	624	rBV	22786	15865	0.06%	0.011%
26	5.126	624	626	629	rVV	84047	61892	0.25%	0.041%
27	5.153	629	631	635	rVB	15114	11394	0.05%	0.008%
28	5.206	638	641	645	rVB3	13771	13750	0.05%	0.009%
29	5.281	648	655	657	rBV4	12256	13684	0.05%	0.009%
30	5.303	657	659	663	rVV2	12859	11061	0.04%	0.007%
31	5.340	663	666	670	rVV2	64650	59958	0.24%	0.040%
32	5.367	670	671	675	rVV3	8876	7185	0.03%	0.005%
33	5.399	675	677	680	rVB2	11908	9874	0.04%	0.007%
34	5.431	680	683	686	rBV4	11601	9365	0.04%	0.006%
35	5.463	686	689	690	rBV	12288	9302	0.04%	0.006%

Data Path : G:\GCMSData\2010\GCMS_5\Data\05-12-10\
 Data File : 5M57772.D
 Acq On : 12 May 2010 11:56
 Operator : AHD
 Sample : AC51387-001
 Misc : S,BNA
 ALS Vial : 9 Sample Multiplier: 1

Integration Parameters: LSCINT.P

Integrator: RTE

Smoothing : OFF

Sampling : 1

Start Thrs: 0.05

Stop Thrs : 0

Filtering: 5

Min Area: 500 Area counts

Max Peaks: 250

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 1

Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0430.M
 Title : @GCMS_5,mg,625,8270

36	5.479	690	692	695	rVV	17849	16631	0.07%	0.011%
37	5.516	695	699	700	rVV3	27036	28151	0.11%	0.019%
38	5.538	700	703	708	rVV2	210892	223412	0.89%	0.149%
39	5.580	708	711	714	rVV	300789	187739	0.75%	0.125%
40	5.607	714	716	718	rVV2	15569	9999	0.04%	0.007%
41	5.634	718	721	724	rVV	14591	11055	0.04%	0.007%
42	5.703	732	734	736	rBV	20538	13452	0.05%	0.009%
43	5.730	736	739	741	rVB2	64732	53035	0.21%	0.035%
44	5.762	741	745	749	rVB4	18284	16144	0.06%	0.011%
45	5.805	749	753	754	rBV4	17064	17944	0.07%	0.012%
46	5.842	757	760	763	rVB3	25805	21999	0.09%	0.015%
47	5.896	767	770	772	rBV2	120012	110629	0.44%	0.074%
48	5.917	772	774	777	rVV	115167	97741	0.39%	0.065%
49	5.938	777	778	780	rVV	49437	27366	0.11%	0.018%
50	5.970	780	784	788	rVB5	32475	40173	0.16%	0.027%
51	6.093	797	807	808	rBV2	549733	496459	1.98%	0.331%
52	6.109	808	810	813	rVV	479355	381694	1.53%	0.255%
53	6.131	813	814	818	rVV	65709	44841	0.18%	0.030%
54	6.173	818	822	825	rVB2	22197	30707	0.12%	0.020%
55	6.216	828	830	832	rBV2	14041	9180	0.04%	0.006%
56	6.253	832	837	839	rBV5	18992	27772	0.11%	0.019%
57	6.280	839	842	844	rBV3	15332	12917	0.05%	0.009%
58	6.307	844	847	849	rBV2	46860	38561	0.15%	0.026%
59	6.350	852	855	857	rVB4	22101	17133	0.07%	0.011%
60	6.371	857	859	860	rBV2	13711	8526	0.03%	0.006%
61	6.392	860	863	865	rBV2	28921	25502	0.10%	0.017%
62	6.414	865	867	868	rBV	59631	29490	0.12%	0.020%
63	6.430	868	870	872	rBV2	25602	17879	0.07%	0.012%
64	6.462	875	876	882	rVB6	29316	32374	0.13%	0.022%
65	6.510	882	885	888	rVB2	93651	66084	0.26%	0.044%
66	6.537	888	890	891	rBV	22865	11021	0.04%	0.007%
67	6.553	891	893	896	rBV	227053	148663	0.59%	0.099%
68	6.595	898	901	903	rBV2	28490	23389	0.09%	0.016%
69	6.627	903	907	911	rVB	352327	260657	1.04%	0.174%
70	6.670	911	915	917	rBV4	20678	23932	0.10%	0.016%
71	6.702	917	921	924	rBV	501972	375292	1.50%	0.250%
72	6.729	924	926	928	rVB2	17760	12666	0.05%	0.008%
73	6.772	930	934	937	rBV5	28434	34443	0.14%	0.023%
74	6.798	937	939	941	rVV2	38176	26988	0.11%	0.018%
75	6.820	941	943	946	rVB2	23589	19065	0.08%	0.013%

Data Path : G:\GcMsData\2010\GCMS_5\Data\05-12-10\
 Data File : 5M57772.D
 Acq On : 12 May 2010 11:56
 Operator : AHD
 Sample : AC51387-001
 Misc : S,BNA
 ALS Vial : 9 Sample Multiplier: 1

Integration Parameters: LSCINT.P

Integrator: RTE

Smoothing : OFF

Sampling : 1

Start Thrs: 0.05

Stop Thrs : 0

Filtering: 5

Min Area: 500 Area counts

Max Peaks: 250

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 1

Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0430.M
 Title : @GCMS_5,mg,625,8270

76	6.857	946	950	954	rBV3	93453	114292	0.46%	0.076%
77	6.900	954	958	961	rVV	550804	371074	1.48%	0.247%
78	6.921	961	962	964	rVB	12982	7598	0.03%	0.005%
79	6.943	964	966	967	rBV2	12421	7963	0.03%	0.005%
80	6.969	967	971	974	rVV2	124585	111869	0.45%	0.075%
81	7.007	974	978	980	rVB3	20979	21788	0.09%	0.015%
82	7.049	983	986	992	rVB	106702	123124	0.49%	0.082%
83	7.098	992	995	999	rBV	213012	223995	0.90%	0.149%
84	7.156	1003	1006	1008	rBV	345658	278752	1.11%	0.186%
85	7.178	1008	1010	1012	rVB	168717	110575	0.44%	0.074%
86	7.220	1016	1018	1019	rVB	26104	15778	0.06%	0.011%
87	7.247	1019	1023	1029	rVB3	88159	133343	0.53%	0.089%
88	7.295	1029	1032	1033	rBV	32419	27531	0.11%	0.018%
89	7.317	1033	1036	1038	rVB3	59651	42550	0.17%	0.028%
90	7.343	1038	1041	1046	rVB2	246306	233953	0.94%	0.156%
91	7.391	1046	1050	1052	rBV	1065127	718354	2.87%	0.479%
92	7.429	1052	1057	1059	rBV	392088	336823	1.35%	0.225%
93	7.450	1059	1061	1066	rVB3	115353	113284	0.45%	0.076%
94	7.482	1066	1067	1071	rVB4	25235	21071	0.08%	0.014%
95	7.525	1071	1075	1078	rBV2	109387	156140	0.62%	0.104%
96	7.557	1078	1081	1084	rVB4	52126	42800	0.17%	0.029%
97	7.600	1084	1089	1093	rVB2	143482	174009	0.70%	0.116%
98	7.637	1093	1096	1098	rBV	105741	99405	0.40%	0.066%
99	7.658	1098	1100	1104	rVB3	158200	129200	0.52%	0.086%
100	7.701	1104	1108	1110	rBV3	58054	70396	0.28%	0.047%
101	7.728	1110	1113	1118	rVB5	88662	86626	0.35%	0.058%
102	7.771	1118	1121	1124	rBV	66579	87374	0.35%	0.058%
103	7.813	1127	1129	1131	rVB	107358	70009	0.28%	0.047%
104	7.835	1131	1133	1134	rBV2	30022	21548	0.09%	0.014%
105	7.856	1134	1137	1139	rVB3	26769	27525	0.11%	0.018%
106	7.899	1141	1145	1147	rVB2	151394	134676	0.54%	0.090%
107	7.920	1147	1149	1151	rBV2	35817	26486	0.11%	0.018%
108	7.952	1151	1155	1157	rBV3	40543	47462	0.19%	0.032%
109	7.974	1157	1159	1162	rVB2	70619	56013	0.22%	0.037%
110	8.011	1162	1166	1169	rBV4	63223	86003	0.34%	0.057%
111	8.043	1169	1172	1177	rVB4	59783	81786	0.33%	0.055%
112	8.091	1177	1181	1183	rBV2	59895	65193	0.26%	0.043%
113	8.123	1183	1187	1191	rBV2	546002	451616	1.80%	0.301%
114	8.161	1191	1194	1195	rBV3	22005	21119	0.08%	0.014%

Data Path : G:\GcMsData\2010\GCMS_5\Data\05-12-10\
 Data File : 5M57772.D
 Acq On : 12 May 2010 11:56
 Operator : AHD
 Sample : AC51387-001
 Misc : S,BNA
 ALS Vial : 9 Sample Multiplier: 1

Integration Parameters: LSCINT.P

Integrator: RTE
 Smoothing : OFF
 Sampling : 1
 Start Thrs: 0.05
 Stop Thrs : 0

Filtering: 5
 Min Area: 500 Area counts
 Max Peaks: 250
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 1

Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0430.M
 Title : @GCMS_5,mg,625,8270

115	8.193	1198	1200	1201	rBV	29607	22546	0.09%	0.015%
116	8.257	1206	1212	1220	rVB	818732	771582	3.08%	0.515%
117	8.316	1220	1223	1225	rBV2	35603	35852	0.14%	0.024%
118	8.337	1225	1227	1231	rVB4	32181	29288	0.12%	0.020%
119	8.374	1231	1234	1237	rBV2	109006	101096	0.40%	0.067%
120	8.438	1237	1246	1250	rVV7	138158	300742	1.20%	0.201%
121	8.476	1250	1253	1258	rVV6	113600	205863	0.82%	0.137%
122	8.508	1258	1259	1262	rVV	72552	66166	0.26%	0.044%
123	8.545	1262	1266	1270	rVV6	159197	259334	1.04%	0.173%
124	8.583	1270	1273	1276	rVB2	68227	80975	0.32%	0.054%
125	8.636	1280	1283	1285	rBV3	66468	63919	0.26%	0.043%
126	8.657	1285	1287	1288	rVV2	73714	64273	0.26%	0.043%
127	8.673	1288	1290	1292	rVB	98459	78134	0.31%	0.052%
128	8.706	1293	1296	1299	rVB2	102946	87005	0.35%	0.058%
129	8.732	1299	1301	1307	rVB	82289	79671	0.32%	0.053%
130	8.802	1307	1314	1316	rBV	443135	526528	2.10%	0.351%
131	8.823	1316	1318	1324	rVB	738544	664659	2.66%	0.443%
132	8.876	1325	1328	1330	rVV	87717	76236	0.30%	0.051%
133	8.898	1330	1332	1335	rVV2	86850	91806	0.37%	0.061%
134	8.919	1335	1336	1340	rVB2	58741	56128	0.22%	0.037%
135	9.010	1350	1353	1356	rVB2	60565	49902	0.20%	0.033%
136	9.058	1358	1362	1365	rBV3	54421	73454	0.29%	0.049%
137	9.112	1369	1372	1374	rBV4	33547	33199	0.13%	0.022%
138	9.144	1374	1378	1380	rBV2	108846	133331	0.53%	0.089%
139	9.202	1386	1389	1392	rVB4	65993	66879	0.27%	0.045%
140	9.240	1393	1396	1400	rBV2	39367	58497	0.23%	0.039%
141	9.282	1401	1404	1407	rBV4	53548	70577	0.28%	0.047%
142	9.336	1408	1414	1417	rBV2	228176	346428	1.38%	0.231%
143	9.363	1417	1419	1422	rVV	161070	155648	0.62%	0.104%
144	9.389	1422	1424	1428	rVB4	215309	191378	0.76%	0.128%
145	9.448	1431	1435	1437	rBV	260566	283077	1.13%	0.189%
146	9.480	1437	1441	1447	rVB4	452524	721778	2.88%	0.481%
147	9.550	1451	1454	1459	rVB	138929	140667	0.56%	0.094%
148	9.592	1460	1462	1465	rBV3	52397	48404	0.19%	0.032%
149	9.624	1465	1468	1471	rBV	273882	230080	0.92%	0.153%
150	9.656	1471	1474	1478	rBV3	138714	174987	0.70%	0.117%
151	9.785	1495	1498	1503	rVV6	71653	94082	0.38%	0.063%
152	9.843	1503	1509	1512	rVB	3174451	3344884	13.37%	2.231%
153	9.881	1512	1516	1519	rBV3	87943	89912	0.36%	0.060%

Data Path : G:\GcMsData\2010\GCMS_5\Data\05-12-10\
 Data File : 5M57772.D
 Acq On : 12 May 2010 11:56
 Operator : AHD
 Sample : AC51387-001
 Misc : S,BNA
 ALS Vial : 9 Sample Multiplier: 1

Integration Parameters: LSCINT.P

Integrator: RTE
 Smoothing : OFF
 Sampling : 1
 Start Thrs: 0.05
 Stop Thrs : 0

Filtering: 5
 Min Area: 500 Area counts
 Max Peaks: 250
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 1

Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0430.M
 Title : @GCMS_5,mg,625,8270

154	9.956	1527	1530	1533	rVB	188318	194599	0.78%	0.130%
155	9.993	1533	1537	1545	rVB6	209898	505136	2.02%	0.337%
156	10.068	1545	1551	1555	rBV	688665	644839	2.58%	0.430%
157	10.100	1555	1557	1559	rVB	53192	38752	0.15%	0.026%
158	10.132	1559	1563	1566	rBV	389943	375588	1.50%	0.250%
159	10.196	1570	1575	1578	rBV	1575832	1566102	6.26%	1.044%
160	10.228	1578	1581	1582	rBV2	51181	51352	0.21%	0.034%
161	10.287	1588	1592	1595	rBV	1067368	1005600	4.02%	0.671%
162	10.319	1595	1598	1600	rVV2	31632	39803	0.16%	0.027%
163	10.383	1606	1610	1617	rBV	476391	660081	2.64%	0.440%
164	10.452	1617	1623	1626	rVV3	208809	315731	1.26%	0.211%
165	10.479	1626	1628	1630	rVV	96483	96002	0.38%	0.064%
166	10.511	1630	1634	1637	rVV	926755	843380	3.37%	0.562%
167	10.538	1637	1639	1643	rVB3	96921	84966	0.34%	0.057%
168	10.581	1643	1647	1655	rVB	644551	681665	2.72%	0.455%
169	10.650	1655	1660	1662	rBV4	56995	113148	0.45%	0.075%
170	10.677	1662	1665	1668	rVB3	128998	115354	0.46%	0.077%
171	10.709	1668	1671	1673	rBV3	59570	78108	0.31%	0.052%
172	10.778	1681	1684	1687	rVB2	106520	105813	0.42%	0.071%
173	10.858	1696	1699	1703	rBV	60790	64089	0.26%	0.043%
174	10.896	1703	1706	1709	rBV3	95564	104044	0.42%	0.069%
175	10.939	1709	1714	1717	rVB	1438734	1404527	5.61%	0.937%
176	11.040	1731	1733	1735	rBV	40962	28766	0.11%	0.019%
177	11.083	1738	1741	1745	rBV2	64832	66389	0.27%	0.044%
178	11.152	1750	1754	1760	rBV6	198877	401378	1.60%	0.268%
179	11.355	1786	1792	1795	rVB	1486642	1567717	6.27%	1.045%
180	11.601	1835	1838	1841	rVB	174054	167312	0.67%	0.112%
181	11.638	1843	1845	1848	rVB2	76098	61863	0.25%	0.041%
182	11.713	1856	1859	1861	rBV2	149486	149901	0.60%	0.100%
183	11.756	1861	1867	1872	rVB	2181789	2226241	8.90%	1.485%
184	11.809	1872	1877	1881	rBV2	417689	586314	2.34%	0.391%
185	11.841	1881	1883	1887	rVB	99068	92793	0.37%	0.062%
186	11.943	1898	1902	1906	rVB	733487	758830	3.03%	0.506%
187	11.991	1908	1911	1914	rVB	61341	63842	0.26%	0.043%
188	12.028	1915	1918	1923	rVB4	138550	166312	0.66%	0.111%
189	12.141	1934	1939	1943	rVB	1734458	1713781	6.85%	1.143%
190	12.189	1945	1948	1952	rVB4	75593	90173	0.36%	0.060%
191	12.247	1955	1959	1964	rBV7	66116	139666	0.56%	0.093%
192	12.296	1965	1968	1972	rVB3	105747	120267	0.48%	0.080%

Data Path : G:\GcMsData\2010\GCMS_5\Data\05-12-10\
 Data File : 5M57772.D
 Acq On : 12 May 2010 11:56
 Operator : AHD
 Sample : AC51387-001
 Misc : S,BNA
 ALS Vial : 9 Sample Multiplier: 1

Integration Parameters: LSCINT.P

Integrator: RTE
 Smoothing : OFF
 Sampling : 1
 Start Thrs: 0.05
 Stop Thrs : 0

Filtering: 5
 Min Area: 500 Area counts
 Max Peaks: 250
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 1

Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0430.M
 Title : @GCMS_5,mg,625,8270

193	12.370	1979	1982	1987	rBV2	291441	288210	1.15%	0.192%
194	12.408	1987	1989	1992	rVB2	88717	75779	0.30%	0.051%
195	12.466	1993	2000	2001	rBV4	119183	187891	0.75%	0.125%
196	12.515	2005	2009	2021	rVB	1496542	1818038	7.27%	1.212%
197	12.600	2021	2025	2029	rBV	936436	895010	3.58%	0.597%
198	12.643	2030	2033	2038	rBV2	232408	267830	1.07%	0.179%
199	12.744	2048	2052	2056	rVB3	340263	410378	1.64%	0.274%
200	12.782	2056	2059	2061	rBV2	94136	102627	0.41%	0.068%
201	12.856	2070	2073	2074	rBV2	92413	92879	0.37%	0.062%
202	12.883	2074	2078	2082	rVB	1000382	985861	3.94%	0.657%
203	12.963	2087	2093	2095	rBV2	325199	477190	1.91%	0.318%
204	13.033	2102	2106	2109	rBV3	377246	467801	1.87%	0.312%
205	13.124	2115	2123	2128	rBV2	1876783	2979375	11.91%	1.987%
206	13.172	2128	2132	2136	rBV2	1484745	1830070	7.31%	1.220%
207	13.236	2139	2144	2147	rVB3	1867793	1958811	7.83%	1.306%
208	13.273	2147	2151	2155	rBV5	187335	344613	1.38%	0.230%
209	13.316	2155	2159	2160	rVV4	380379	439789	1.76%	0.293%
210	13.343	2160	2164	2168	rVB3	1174745	1328132	5.31%	0.886%
211	13.428	2176	2180	2186	rBV2	546835	837124	3.35%	0.558%
212	13.476	2186	2189	2193	rVB2	353277	433237	1.73%	0.289%
213	13.530	2195	2199	2203	rBV	812276	942460	3.77%	0.628%
214	13.572	2203	2207	2213	rVB	736189	801262	3.20%	0.534%
215	13.631	2214	2218	2223	rVB3	300210	357963	1.43%	0.239%
216	13.679	2223	2227	2229	rBV	154506	192196	0.77%	0.128%
217	13.706	2230	2232	2234	rVV2	218541	252392	1.01%	0.168%
218	13.738	2234	2238	2242	rVV	1024971	1333238	5.33%	0.889%
219	13.786	2242	2247	2252	rVV2	1955492	2627743	10.50%	1.752%
220	13.834	2252	2256	2259	rVV	1538985	1747764	6.99%	1.165%
221	13.861	2259	2261	2265	rVV2	606051	726975	2.91%	0.485%
222	13.898	2265	2268	2278	rVV2	774148	1158586	4.63%	0.773%
223	13.989	2278	2285	2291	rVV4	1662996	2992969	11.96%	1.996%
224	14.048	2291	2296	2301	rVB2	751447	1007775	4.03%	0.672%
225	14.112	2301	2308	2312	rBV2	2094408	2633629	10.53%	1.756%
226	14.155	2312	2316	2327	rVB9	282611	644496	2.58%	0.430%
227	14.235	2327	2331	2334	rBV	227982	312757	1.25%	0.209%
228	14.352	2348	2353	2357	rBV2	488723	825269	3.30%	0.550%
229	14.395	2357	2361	2368	rVB	447737	589271	2.36%	0.393%
230	14.454	2368	2372	2374	rBV3	148306	213076	0.85%	0.142%
231	14.497	2374	2380	2385	rVB3	1216921	1732976	6.93%	1.156%

Data Path : G:\GcMsData\2010\GCMS_5\Data\05-12-10\
 Data File : 5M57772.D
 Acq On : 12 May 2010 11:56
 Operator : AHD
 Sample : AC51387-001
 Misc : S,BNA
 ALS Vial : 9 Sample Multiplier: 1

Integration Parameters: LSCINT.P

Integrator: RTE
 Smoothing : OFF
 Sampling : 1
 Start Thrs: 0.05
 Stop Thrs : 0

Filtering: 5
 Min Area: 500 Area counts
 Max Peaks: 250
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 1

Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0430.M
 Title : @GCMS_5,mg,625,8270

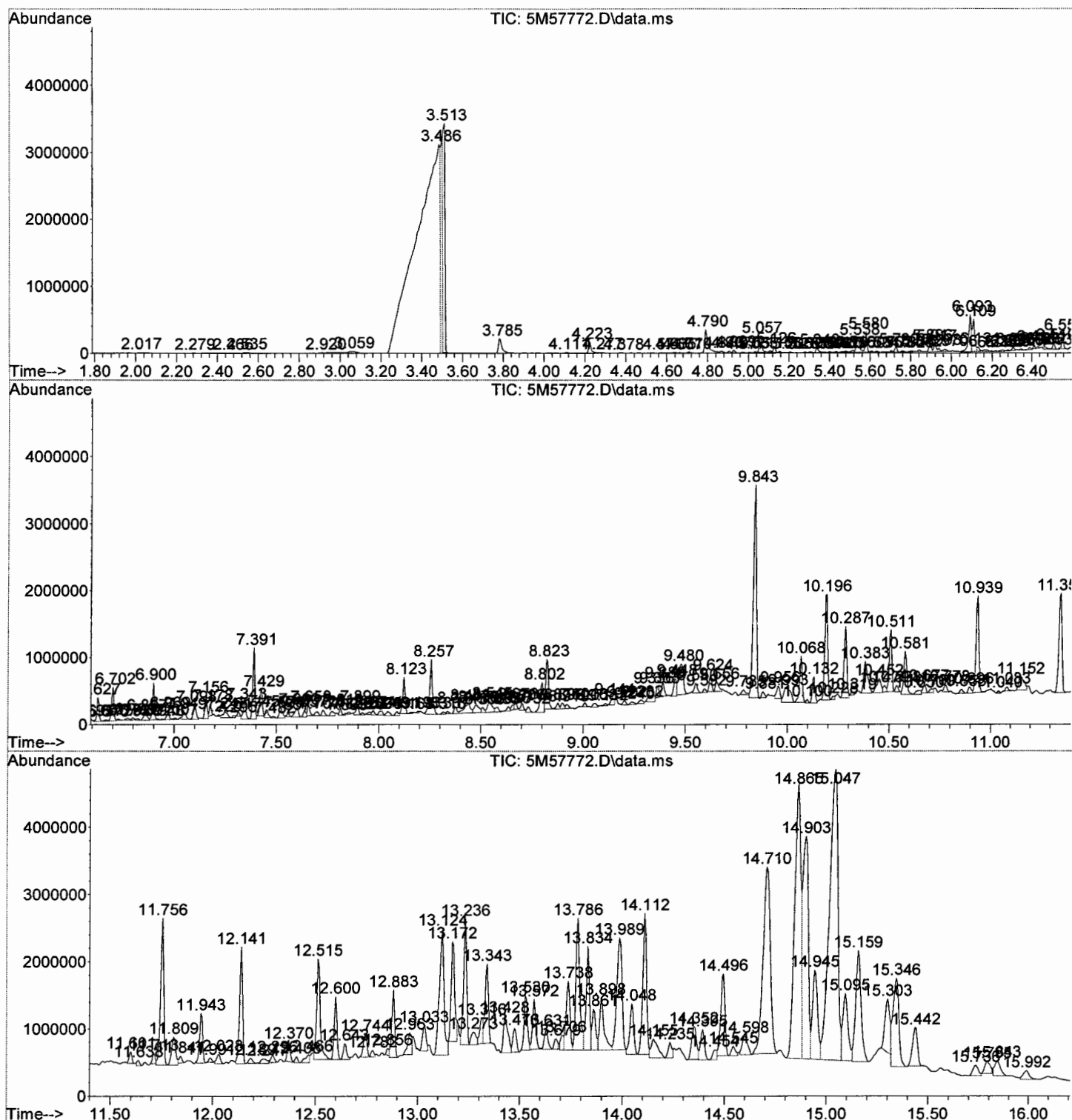
232	14.545	2385	2389	2393	rBV4	139315	201161	0.80%	0.134%
233	14.598	2395	2399	2406	rVB4	277904	506896	2.03%	0.338%
234	14.710	2407	2420	2429	rVV2	2773902	6871577	27.46%	4.582%
235	14.865	2438	2449	2452	rBV2	4080465	8982876	35.90%	5.990%
236	14.903	2452	2456	2460	rVV2	3306120	5947682	23.77%	3.966%
237	14.945	2460	2464	2469	rVV3	1328495	2308825	9.23%	1.540%
238	15.047	2469	2483	2488	rVV2	4329886	12474789	49.86%	8.319%
239	15.095	2488	2492	2498	rVV3	1001162	1784953	7.13%	1.190%
240	15.159	2498	2504	2514	rVB4	1653608	3053043	12.20%	2.036%
241	15.303	2525	2531	2534	rBV3	750726	1377053	5.50%	0.918%
242	15.346	2534	2539	2549	rVB3	1313160	2576103	10.30%	1.718%
243	15.442	2550	2557	2563	rVB	570246	975924	3.90%	0.651%
244	15.736	2606	2612	2617	rBV4	154966	282326	1.13%	0.188%
245	15.795	2617	2623	2627	rBV4	182965	353346	1.41%	0.236%
246	15.843	2628	2632	2642	rVB5	227250	448409	1.79%	0.299%
247	15.992	2654	2660	2670	rVB2	129886	275786	1.10%	0.184%

Sum of corrected areas: 149961169

Data Path : G:\GcMsData\2010\GCMS_5\Data\05-12-10\
Data File : 5M57772.D
Acq On : 12 May 2010 11:56
Operator : AHD
Sample : AC51387-001
Misc : S,BNA
ALS Vial : 9 Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0430.M
Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P



Data Path : G:\GCMSData\2010\GCMS_5\Data\05-12-10\
Data File : 5M57772.D
Acq On : 12 May 2010 11:56
Operator : AHD
Sample : AC51387-001
Misc : S,BNA
ALS Vial : 9 Sample Multiplier: 1

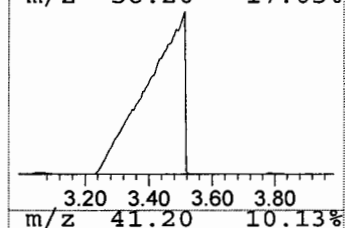
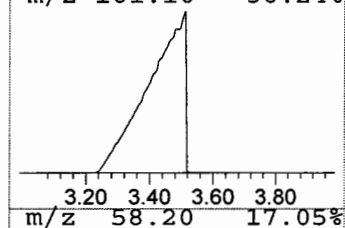
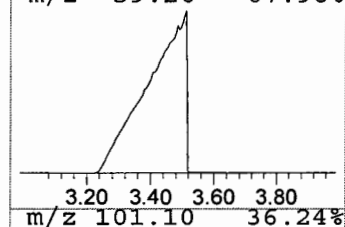
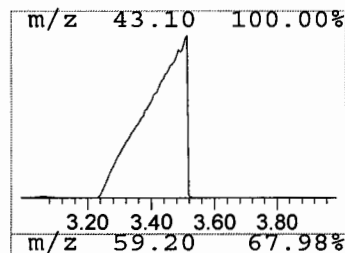
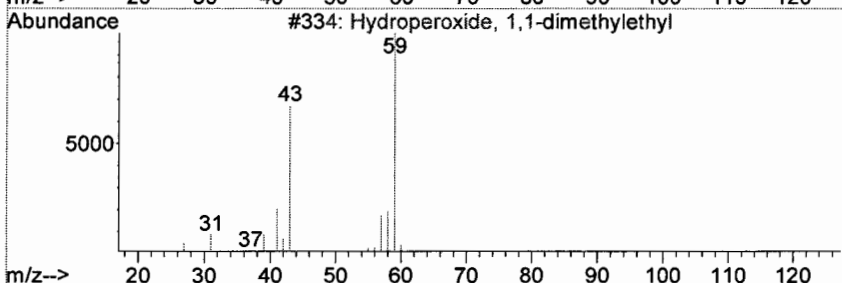
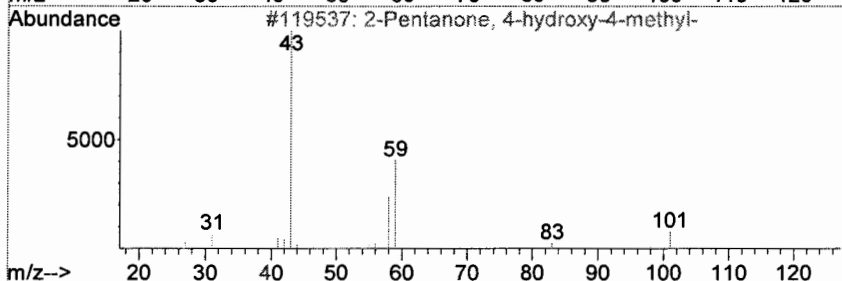
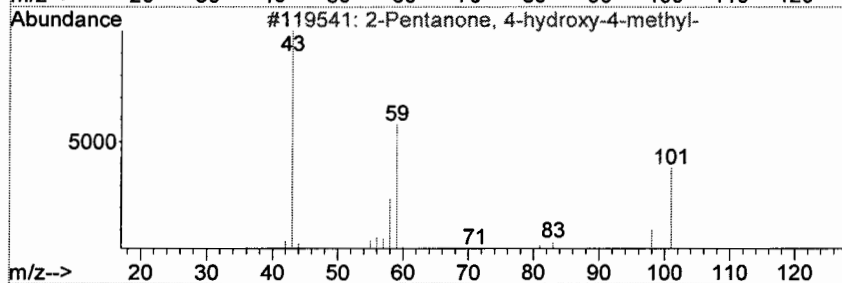
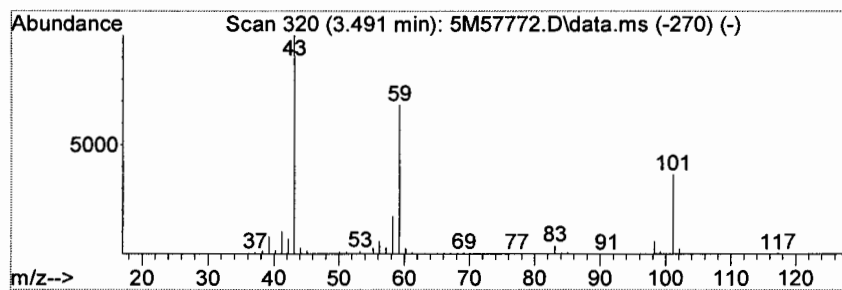
Quant Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0430.M
Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.49	4876.53 ng	25021596	LibIS-1,4-Dichlorobenzene-d4	5.06

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	42
3			Hydroperoxide, 1,1-dimethylethyl	90	C4H10O2	000075-91-2	42
4			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	38
5			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	33



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_5\Data\05-12-10\
 Data File : 5M57772.D
 Acq On : 12 May 2010 11:56
 Operator : AHD
 Sample : AC51387-001
 Misc : S,BNA
 ALS Vial : 9 Sample Multiplier: 1

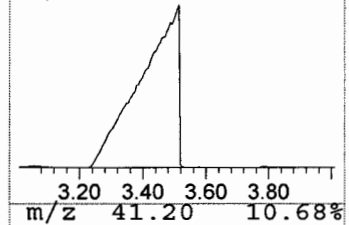
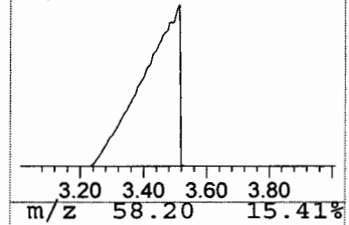
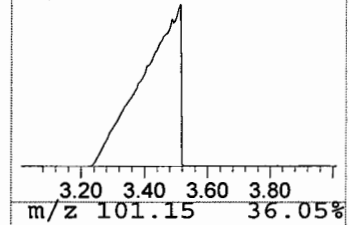
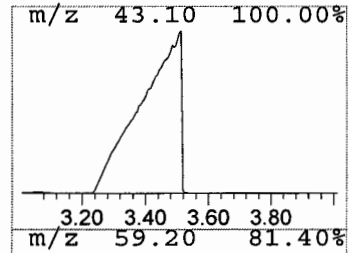
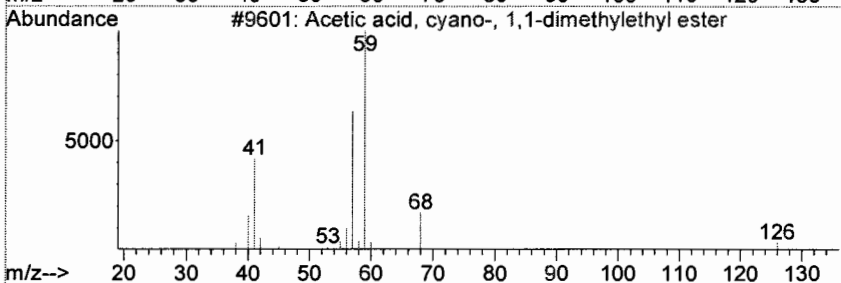
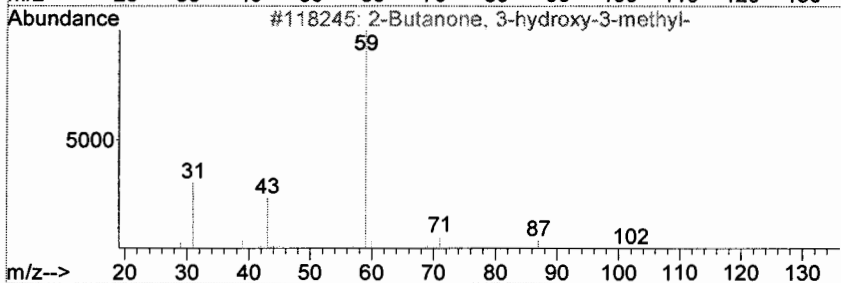
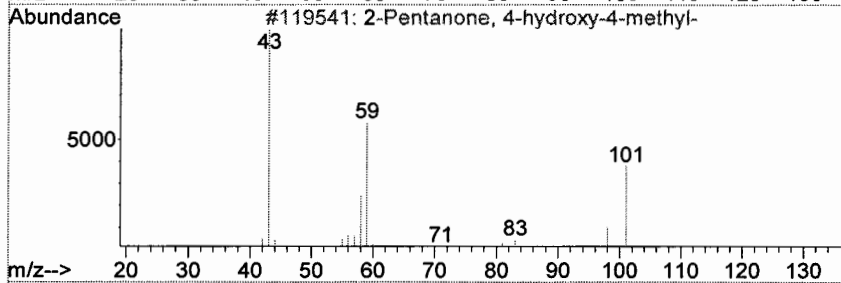
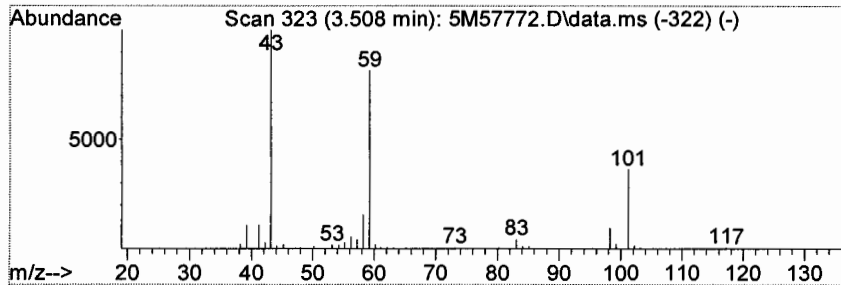
Quant Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0430.M
 Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.51	425.00 ng	2180678	LibIS-1,4-Dichlorobenzene-d4	5.06

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	45
2		2-Butanone, 3-hydroxy-3-methyl-	102	C5H10O2	000115-22-0	9
3		Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	9
4		2-Hexanone, 5-methyl-	114	C7H14O	000110-12-3	9
5		2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	9



Data Path : G:\GcMsData\2010\GCMS_5\Data\05-12-10\
Data File : 5M57772.D
Acq On : 12 May 2010 11:56
Operator : AHD
Sample : AC51387-001
Misc : S,BNA
ALS Vial : 9 Sample Multiplier: 1

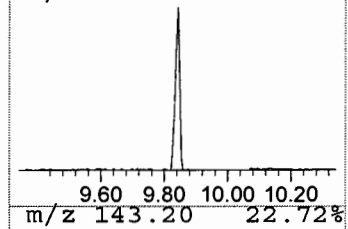
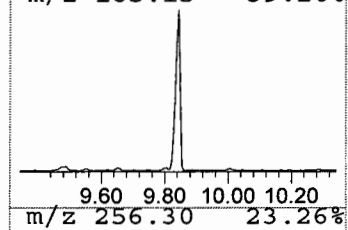
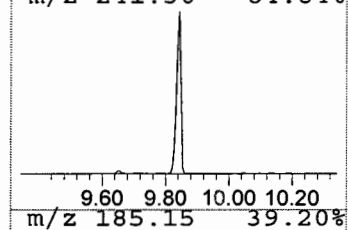
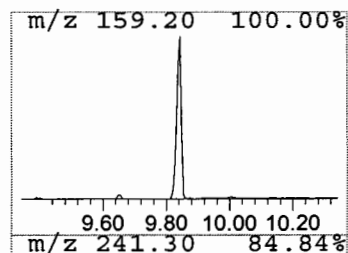
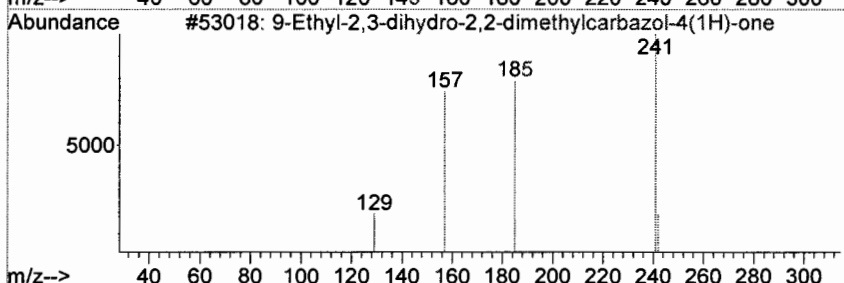
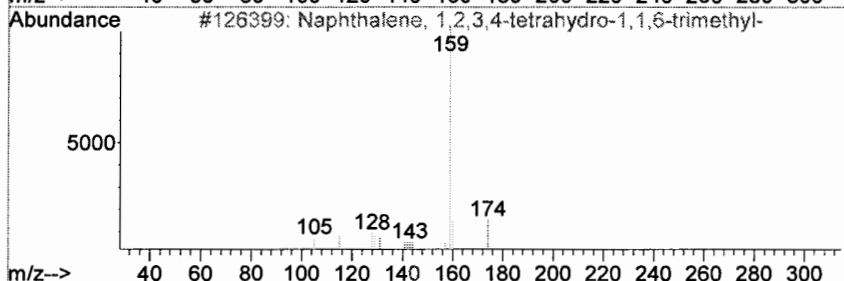
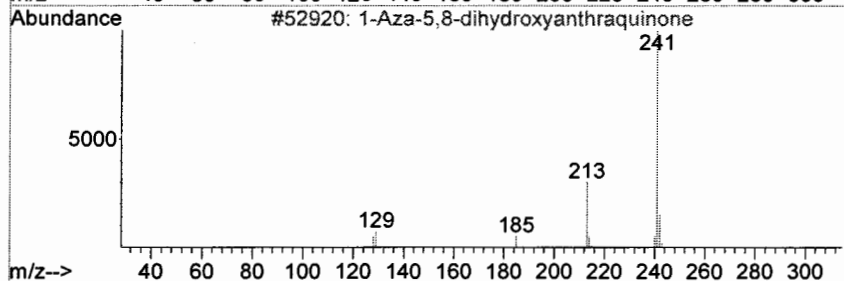
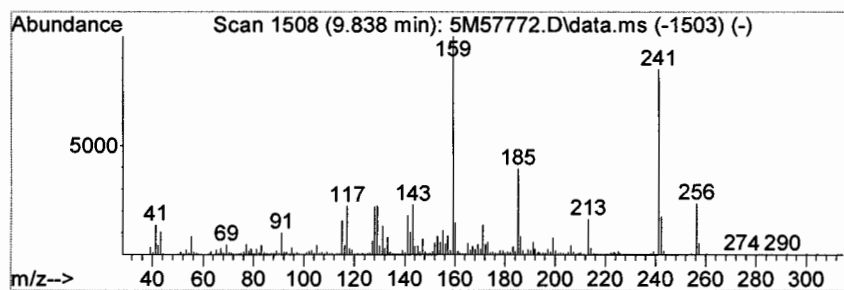
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Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 unknown Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.84	401.70 ng	3344884	LibIS-Acenaphthene-d10	7.43

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Aza-5,8-dihydroxyanthraquinone	241	C13H7NO4	000000-00-0	35
2			Naphthalene, 1,2,3,4-tetrahydro-...	174	C13H18	000475-03-6	27
3			9-Ethyl-2,3-dihydro-2,2-dimethyl...	241	C16H19NO	069083-42-7	25
4			2-HENDECENOIC ACID 1TMS	256	C14H28O2Si	000000-00-0	16
5			3,4-Dihydro-8,9-methylenedioxy-1...	241	C14H11NO3	068890-28-8	16



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_5\Data\05-12-10\
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 Operator : AHD
 Sample : AC51387-001
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 ALS Vial : 9 Sample Multiplier: 1

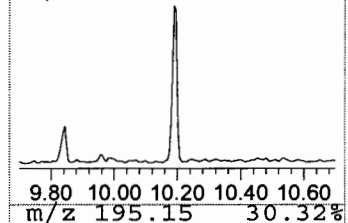
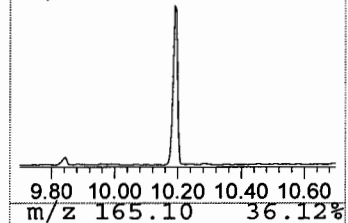
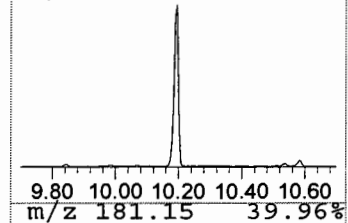
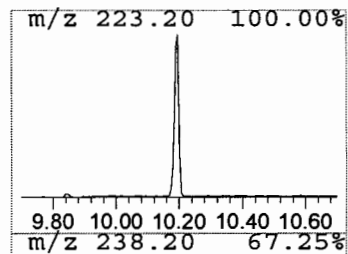
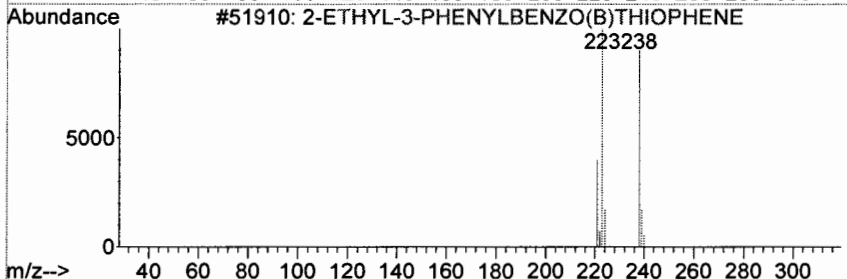
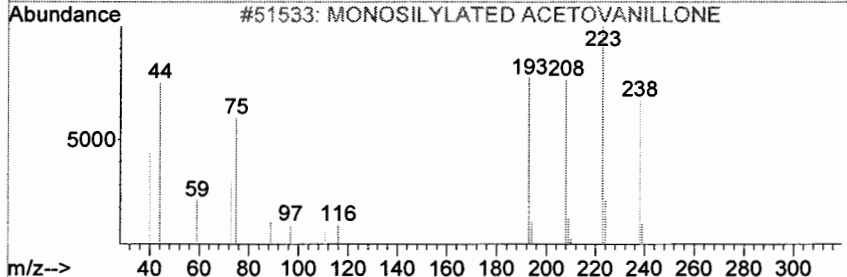
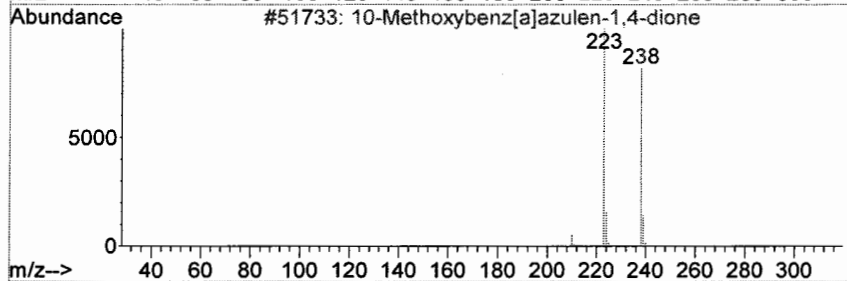
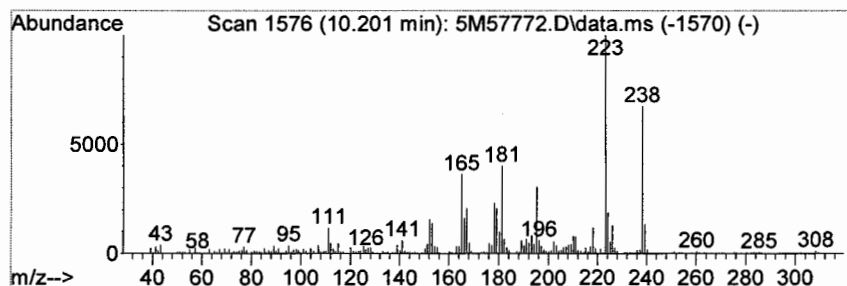
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TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 4 10-Methoxybenz[a]azulen-1,4... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.20	188.08 ng	1566102	LibIS-Acenaphthene-d10	7.43

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			10-Methoxybenz[a]azulen-1,4-dione	238	C15H10O3	076319-77-2	90
2			MONOSILYLATED ACETOVANILLONE	238	C12H18O3Si	000000-00-0	86
3			2-ETHYL-3-PHENYLBENZO(B)THIOPHENE	238	C16H14S	059855-99-1	83
4			4-HYDROXY-3,4-DIMETHYL-PHENANTHR...	238	C16H14O2	060505-33-1	52
5			Benzene, 1,1'-(1,2-ethynediyl)bi...	238	C16H14O2	002132-62-9	43



Data Path : G:\GCMSData\2010\GCMS_5\Data\05-12-10\
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ALS Vial : 9 Sample Multiplier: 1

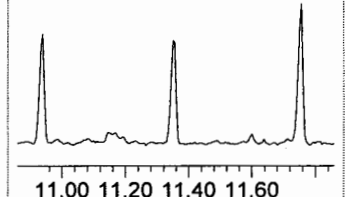
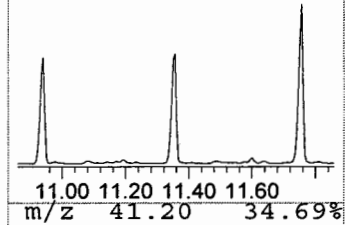
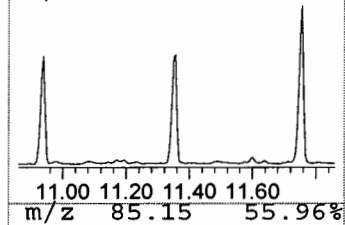
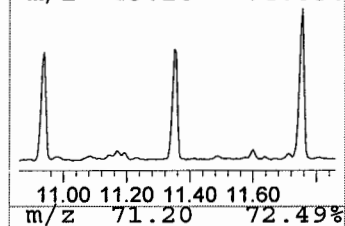
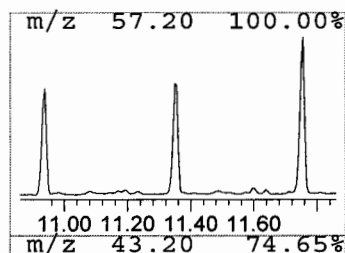
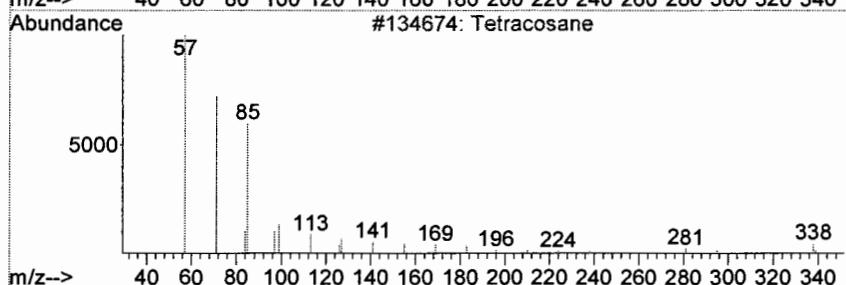
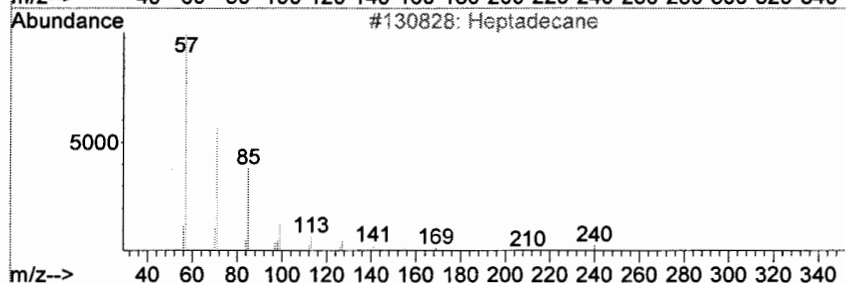
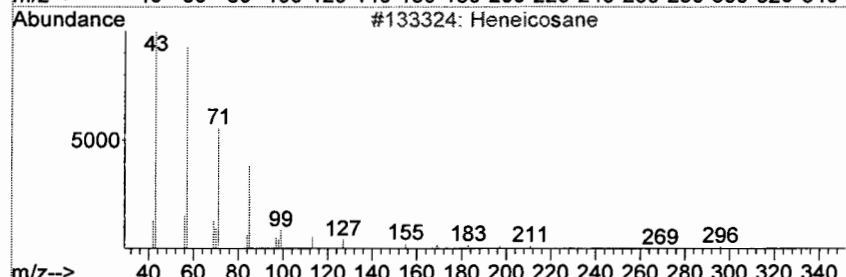
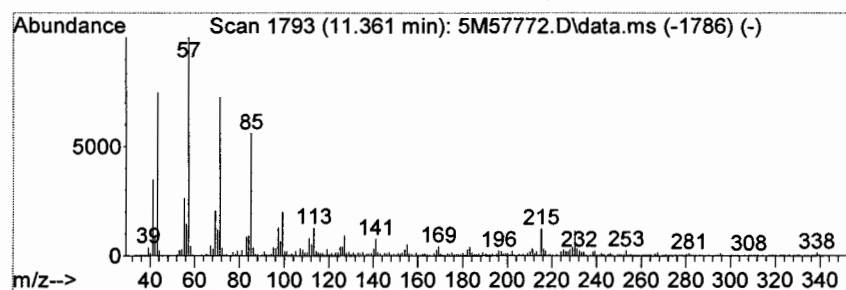
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TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Heneicosane Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.36	188.28 ng	1567717	LibIS-Acenaphthene-d10	7.43

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heneicosane	296	C21H44	000629-94-7	98
2			Heptadecane	240	C17H36	000629-78-7	96
3			Tetracosane	338	C24H50	000646-31-1	96
4			Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	96
5			Nonadecane	268	C19H40	000629-92-5	95



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_5\Data\05-12-10\
 Data File : 5M57772.D
 Acq On : 12 May 2010 11:56
 Operator : AHD
 Sample : AC51387-001
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 ALS Vial : 9 Sample Multiplier: 1

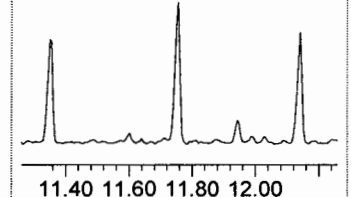
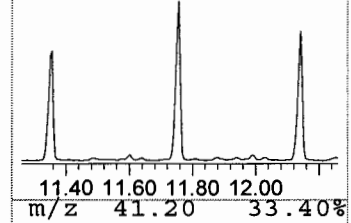
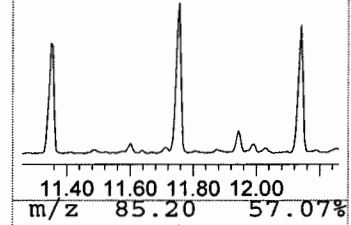
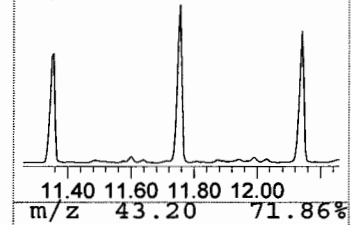
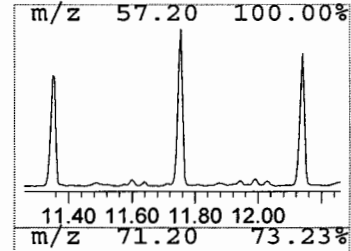
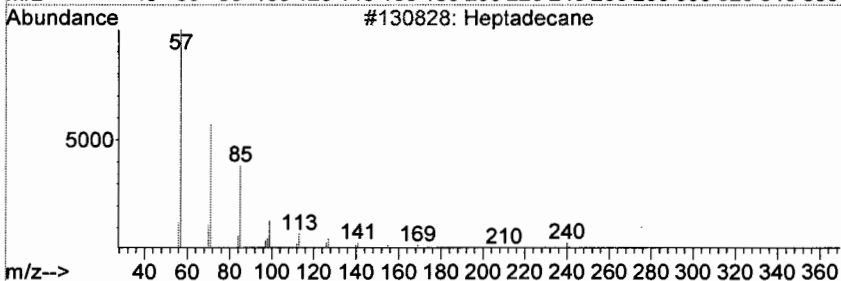
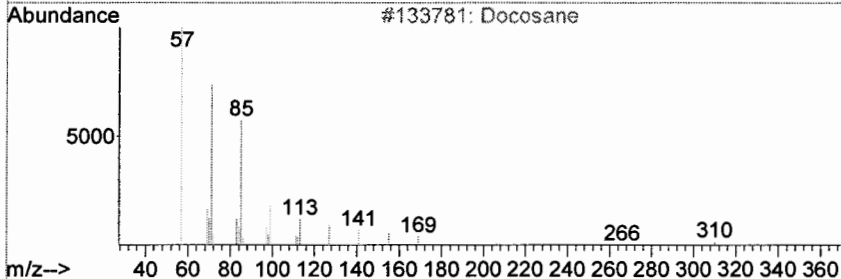
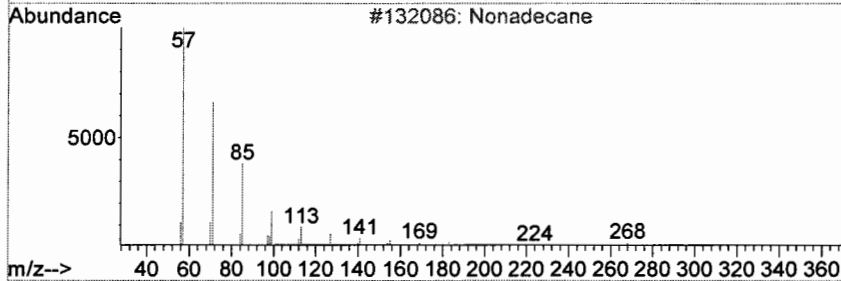
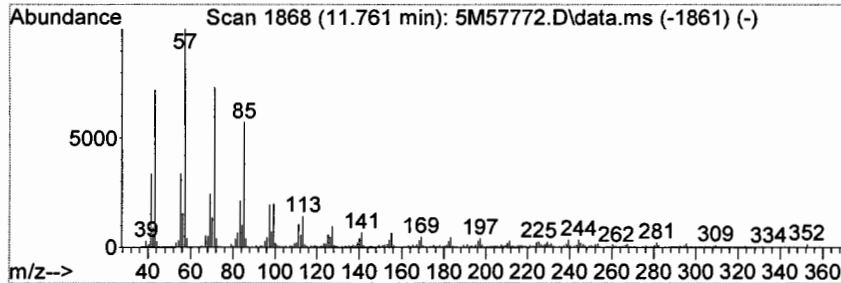
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TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 6 Nonadecane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.76	267.36 ng	2226241	LibIS-Acenaphthene-d10	7.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	97
2	Docosane	310	C22H46	000629-97-0	97
3	Heptadecane	240	C17H36	000629-78-7	97
4	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	96
5	triacontane	422	C30H62	000638-68-6	91



Library Search Compound Report

Data Path : G:\GCMSData\2010\GCMS_5\Data\05-12-10\
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 ALS Vial : 9 Sample Multiplier: 1

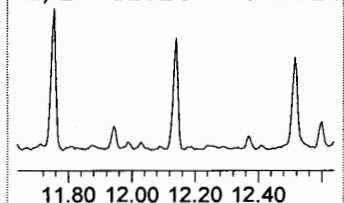
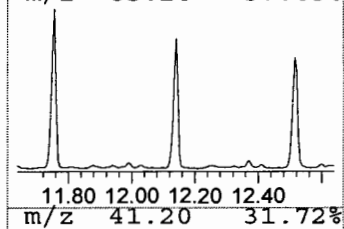
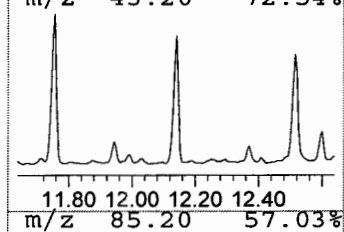
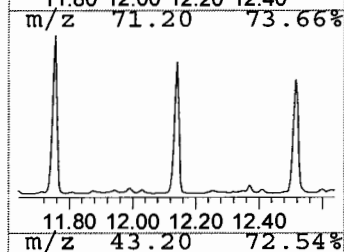
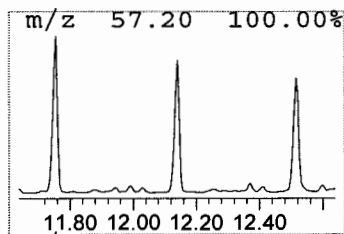
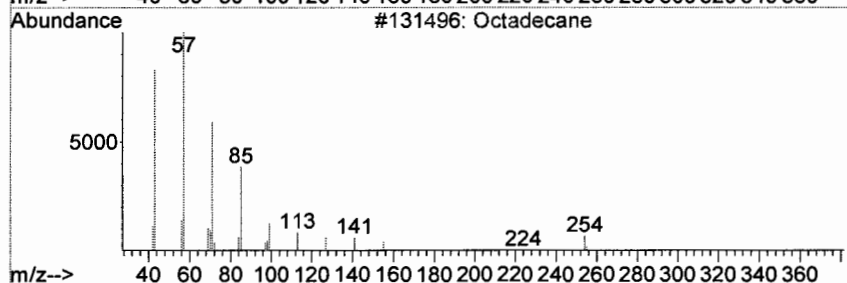
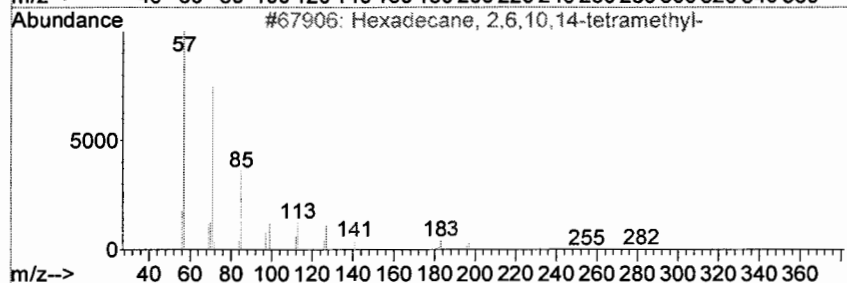
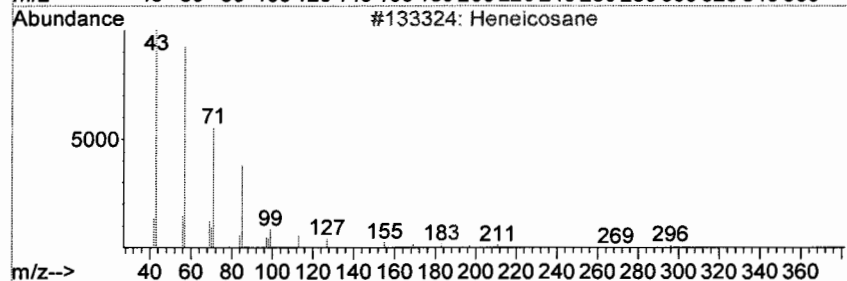
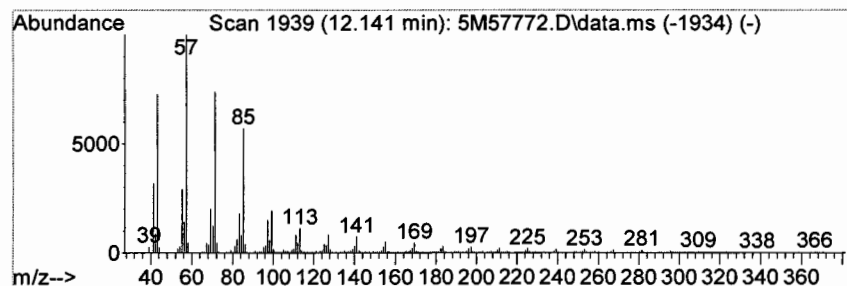
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TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 7 Heneicosane Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	205.82 ng	1713781	LibIS-Acenaphthene-d10	7.43

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heneicosane	296	C21H44	000629-94-7	97
2			Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	95
3			Octadecane	254	C18H38	000593-45-3	95
4			Heptadecane, 9-octyl-	352	C25H52	007225-64-1	95
5			Docosane, 11-decyl-	451	C32H66	055401-55-3	91



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_5\Data\05-12-10\
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 Sample : AC51387-001
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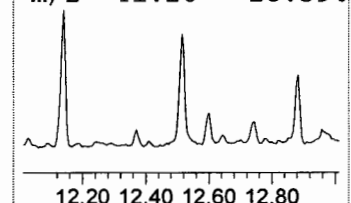
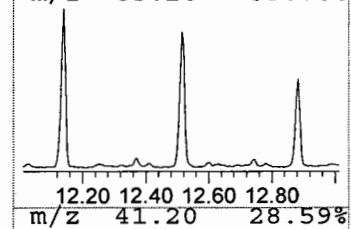
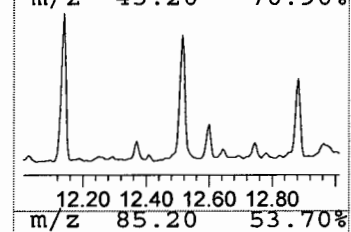
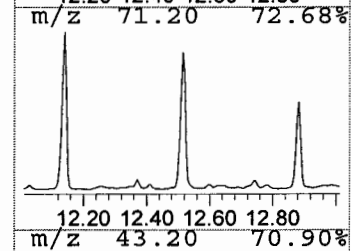
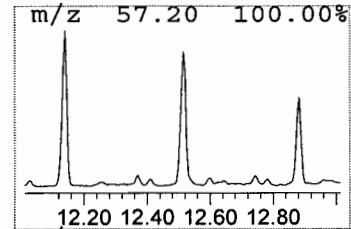
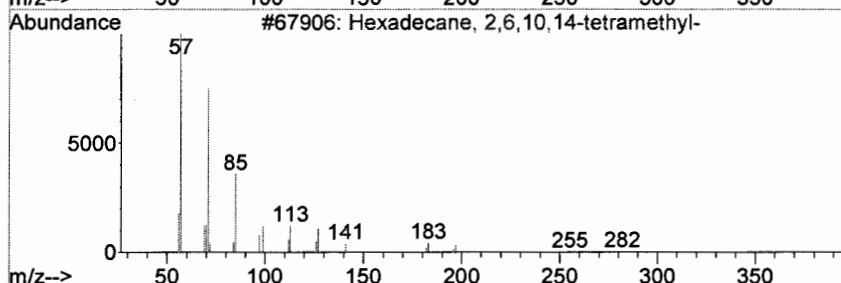
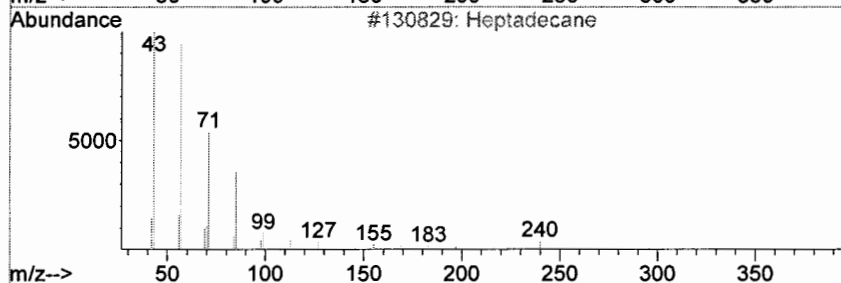
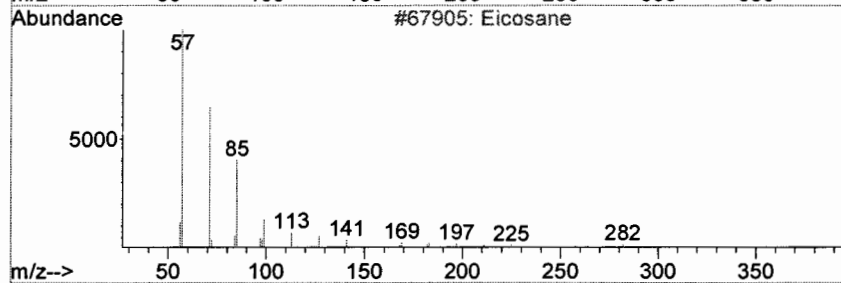
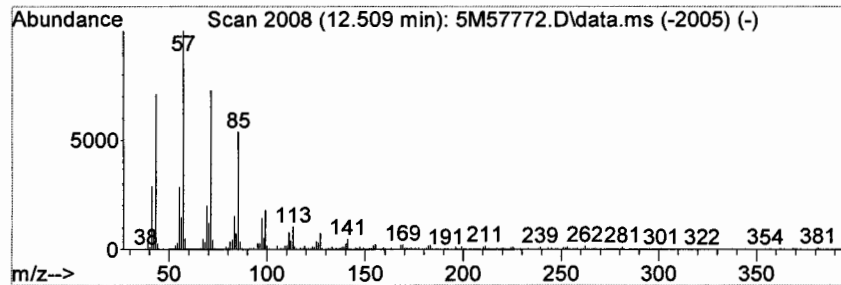
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TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 8 Eicosane Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.51	218.34 ng	1818038	LibIS-Acenaphthene-d10	7.43

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Eicosane	282	C20H42	000112-95-8	97
2		Heptadecane	240	C17H36	000629-78-7	95
3		Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	92
4		Triacontane	422	C30H62	000638-68-6	91
5		Heptadecane, 9-octyl-	352	C25H52	007225-64-1	91



Data Path : G:\GcMsData\2010\GCMS_5\Data\05-12-10\
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ALS Vial : 9 Sample Multiplier: 1

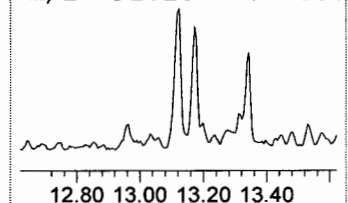
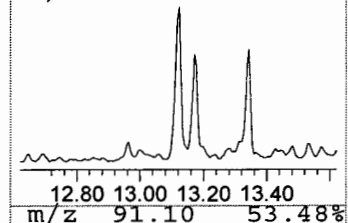
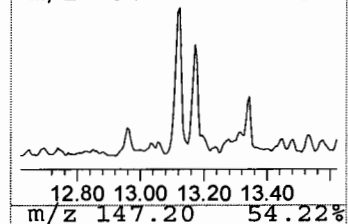
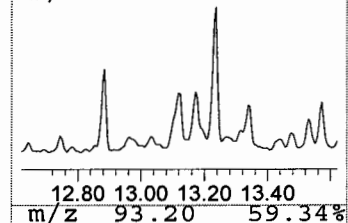
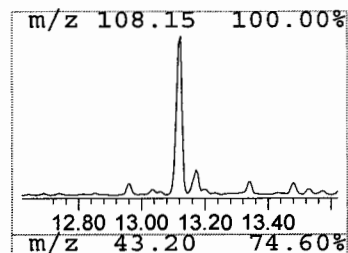
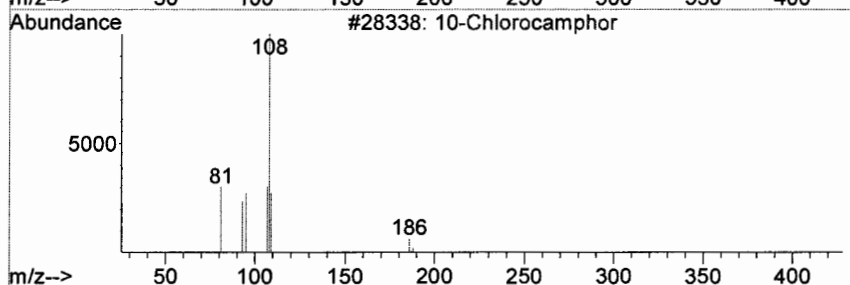
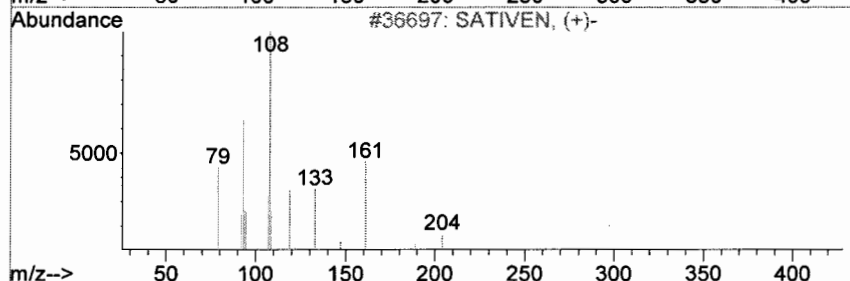
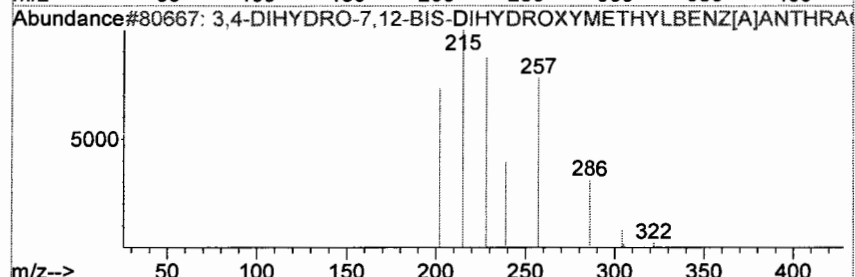
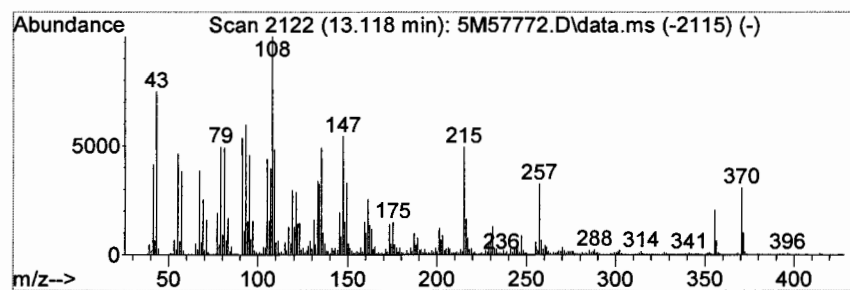
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TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 unknown Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.12	357.81 ng	2979375	LibIS-Acenaphthene-d10	7.43

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			3,4-DIHYDRO-7,12-BIS-DIHYDROXYME...	322	C20H18O4	069260-85-1	38
2			SATIVEN, (+)-	204	C15H24	003650-28-0	25
3			10-Chlorocamphor	186	C10H15ClO	091200-93-0	22
4			3-Cyclohexene-1-carboxylic acid,...	168	C10H16O2	005688-48-2	14
5			2-Pyridinemethanol	109	C6H7NO	000586-98-1	14



Library Search Compound Report

Data Path : G:\GCMSData\2010\GCMS_5\Data\05-12-10\
 Data File : 5M57772.D
 Acq On : 12 May 2010 11:56
 Operator : AHD
 Sample : AC51387-001
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 ALS Vial : 9 Sample Multiplier: 1

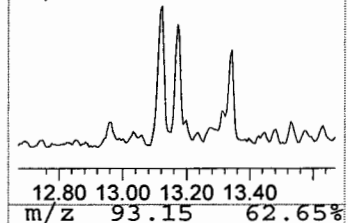
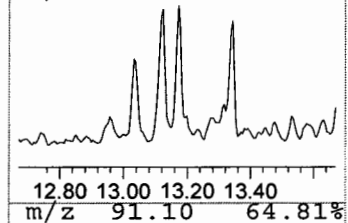
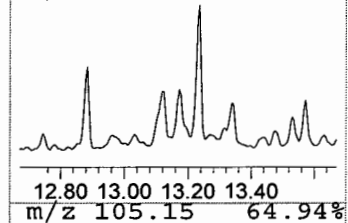
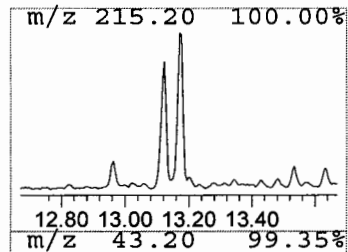
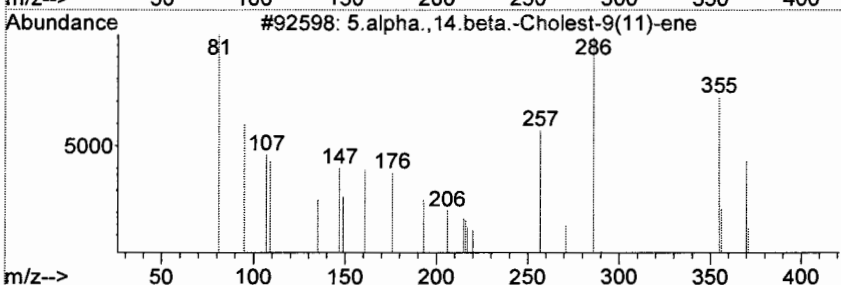
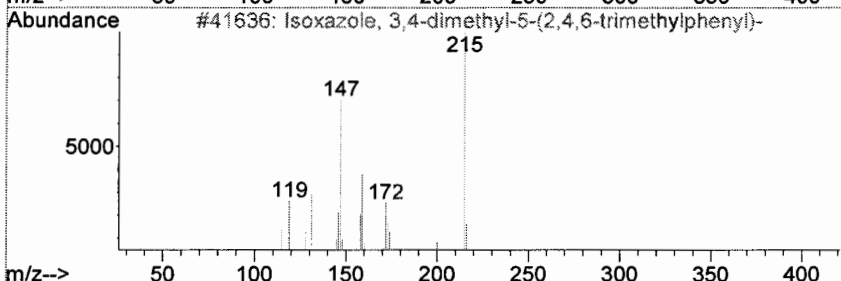
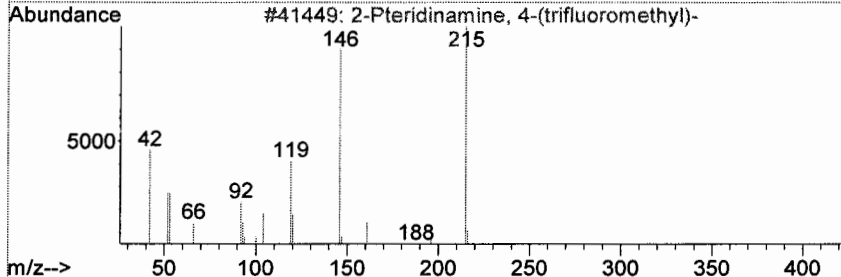
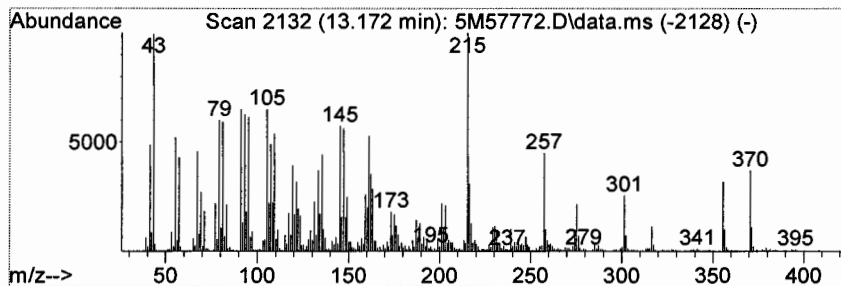
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TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 10 unknown Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.17	219.78 ng	1830070	LibIS-Acenaphthene-d10	7.43

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pteridinamine, 4-(trifluoromet...	215	C7H4F3N5	032706-26-6	14
2			Isoxazole, 3,4-dimethyl-5-(2,4,6...	215	C14H17NO	061314-49-6	12
3			5.alpha.,14.beta.-Cholest-9(11)-ene	370	C27H46	069454-73-5	12
4			9-Heptadecene-4,6-diyn-8-ol, (Z)-	246	C17H26O	032768-90-4	11
5			Indan, 6-tert-butyl-4-ethyl-1,1-...	230	C17H26	003247-65-2	11



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_5\Data\05-12-10\
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 Operator : AHD
 Sample : AC51387-001
 Misc : S,BNA
 ALS Vial : 9 Sample Multiplier: 1

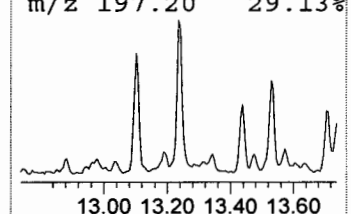
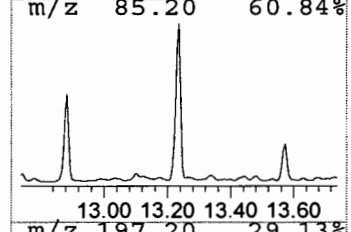
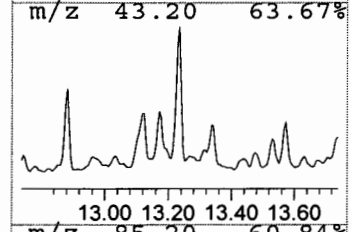
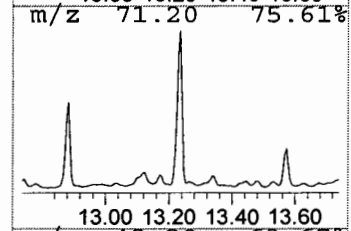
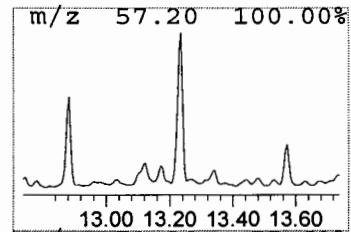
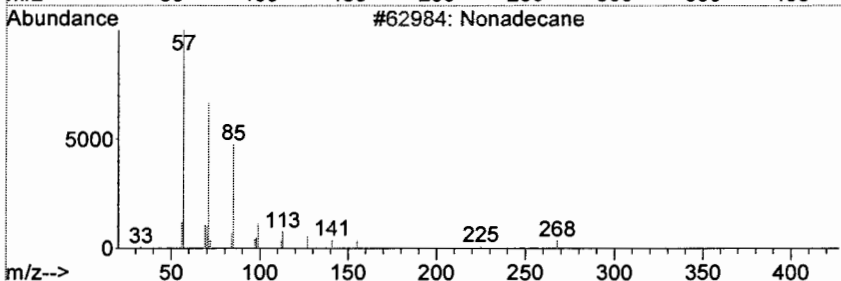
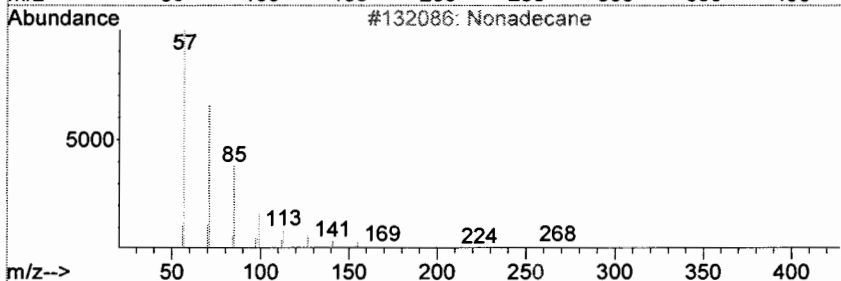
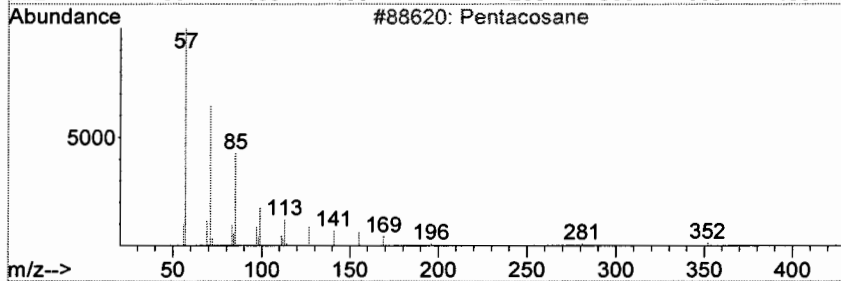
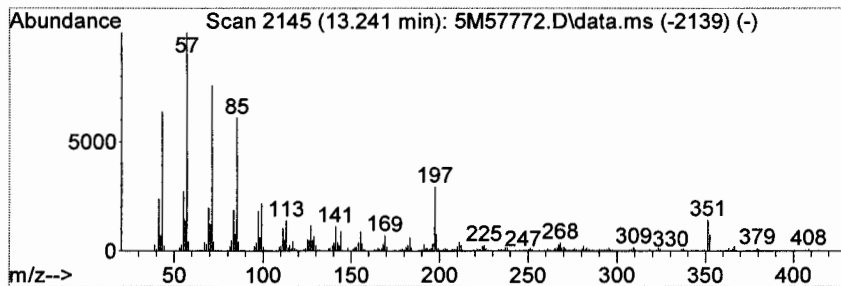
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TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 11 Pentacosane Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.24	235.24 ng	1958811	LibIS-Acenaphthene-d10	7.43

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentacosane	352	C25H52	000629-99-2	99
2			Nonadecane	268	C19H40	000629-92-5	96
3			Nonadecane	268	C19H40	000629-92-5	94
4			Pentacosane	352	C25H52	000629-99-2	93
5			Tetratriacontane	479	C34H70	014167-59-0	90



Data Path : G:\GcMsData\2010\GCMS_5\Data\05-12-10\
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Operator : AHD
Sample : AC51387-001
Misc : S,BNA
ALS Vial : 9 Sample Multiplier: 1

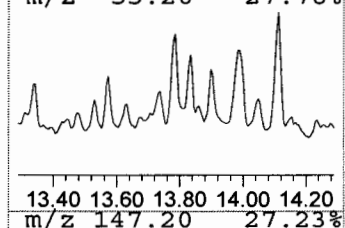
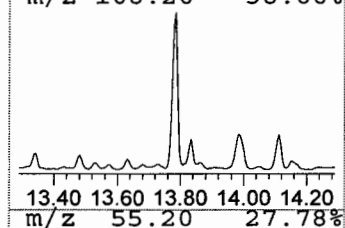
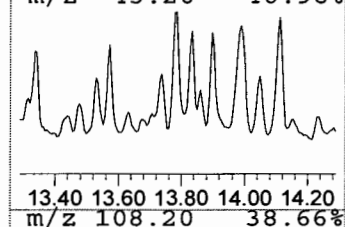
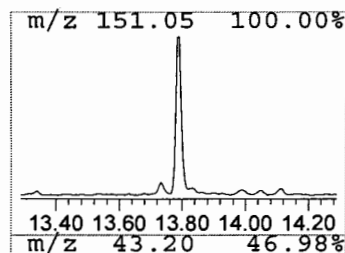
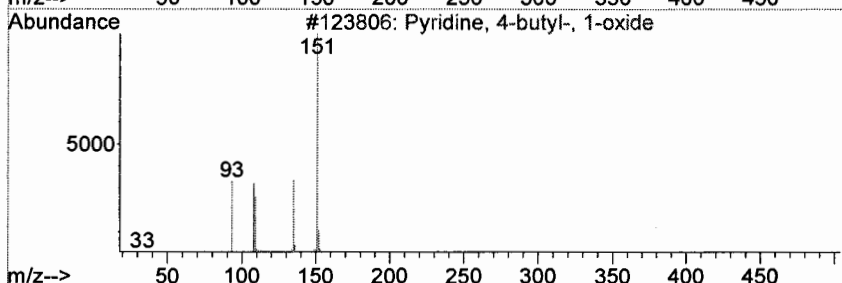
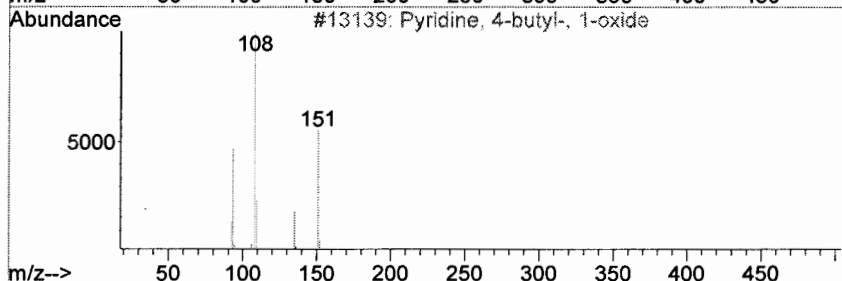
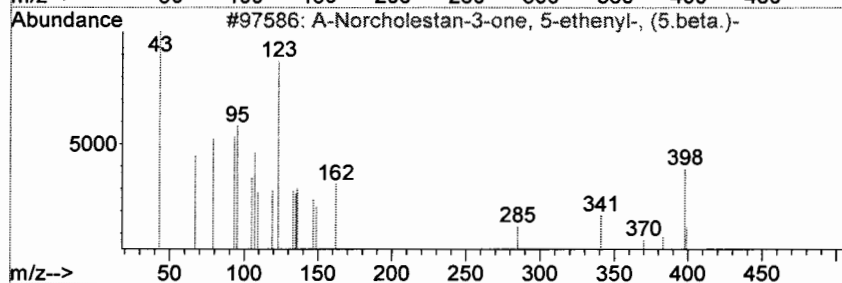
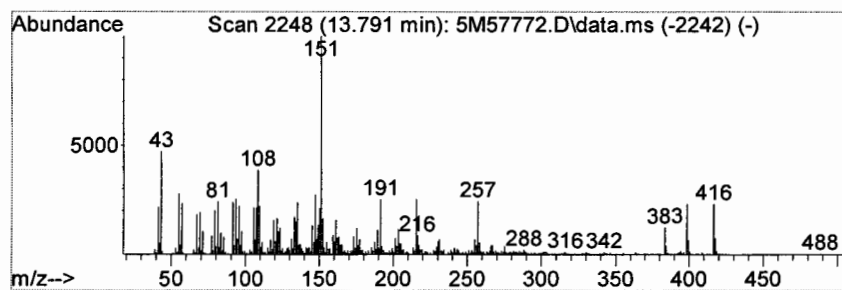
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Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 unknown Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.79	315.58 ng	2627743	LibIS-Acenaphthene-d10	7.43

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			A-Norcholestan-3-one, 5-ethenyl-...	398	C28H46O	019594-90-2	43
2			Pyridine, 4-butyl-, 1-oxide	151	C9H13NO	031396-34-6	38
3			Pyridine, 4-butyl-, 1-oxide	151	C9H13NO	031396-34-6	38
4			Semicarbazide, 1-phenyl-	151	C7H9N3O	000103-03-7	27
5			P-FORMANISIDINE	151	C8H9NO2	023896-88-0	27



Data Path : G:\GcMsData\2010\GCMS_5\Data\05-12-10\
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Operator : AHD
Sample : AC51387-001
Misc : S,BNA
ALS Vial : 9 Sample Multiplier: 1

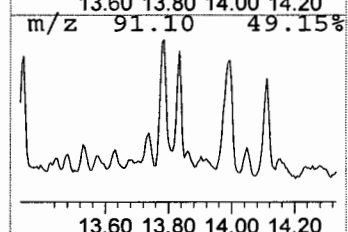
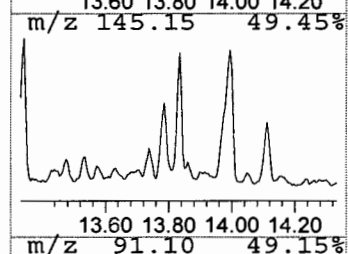
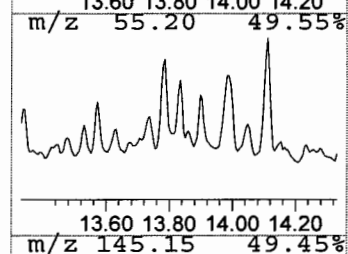
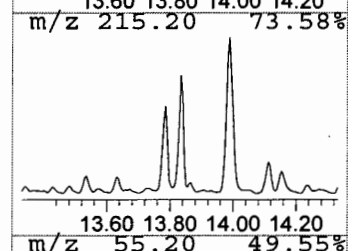
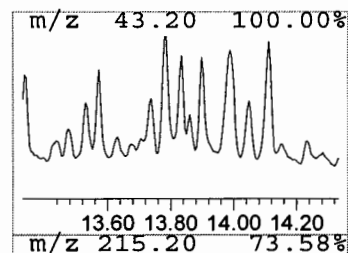
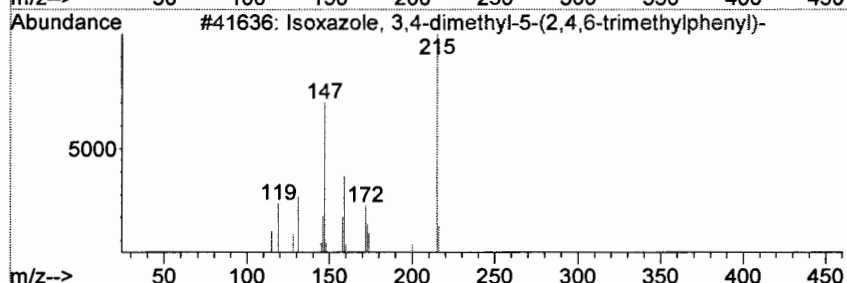
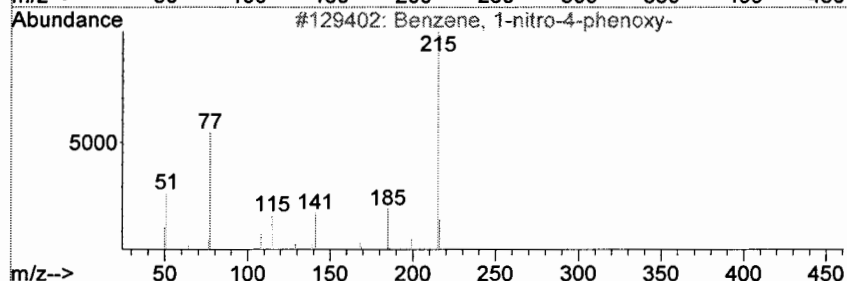
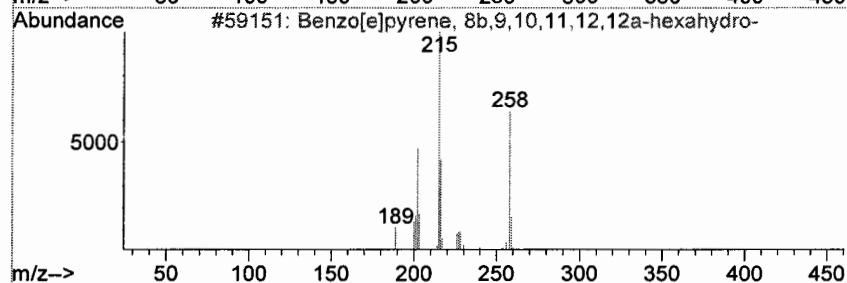
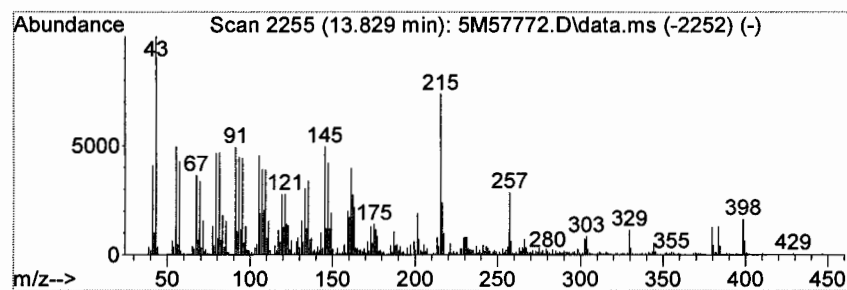
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Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 unknown Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.83	209.90 ng	1747764	LibIS-Acenaphthene-d10	7.43

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[e]pyrene, 8b,9,10,11,12,12...	258	C20H18	086439-17-0	32
2			Benzene, 1-nitro-4-phenoxy-	215	C12H9NO3	000620-88-2	10
3			Isoxazole, 3,4-dimethyl-5-(2,4,6...	215	C14H17NO	061314-49-6	10
4			2(3H)-Benzofuranone, 3-[3-(dimet...	215	C13H13NO2	056771-83-6	10
5			5.alpha.-Ergost-8(14)-ene	384	C28H48	006673-69-4	10



Data Path : G:\GCMSData\2010\GCMS_5\Data\05-12-10\
Data File : 5M57772.D
Acq On : 12 May 2010 11:56
Operator : AHD
Sample : AC51387-001
Misc : S,BNA
ALS Vial : 9 Sample Multiplier: 1

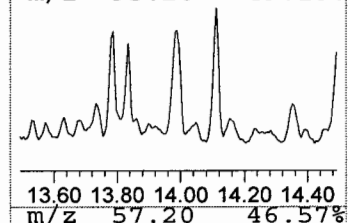
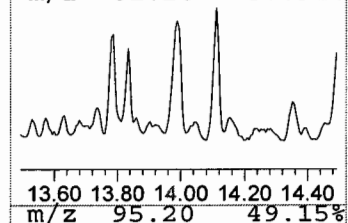
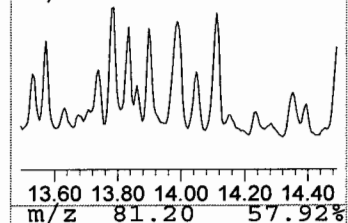
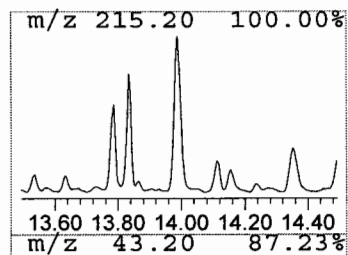
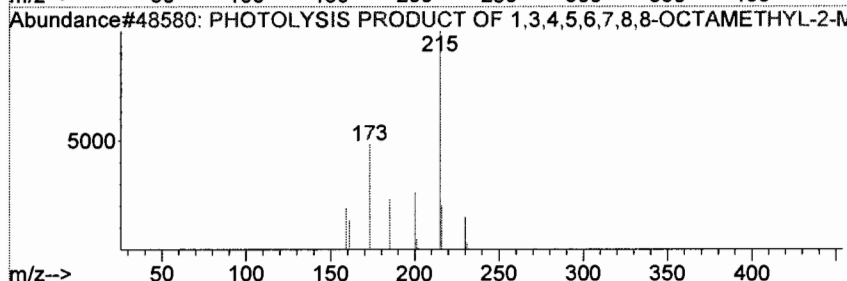
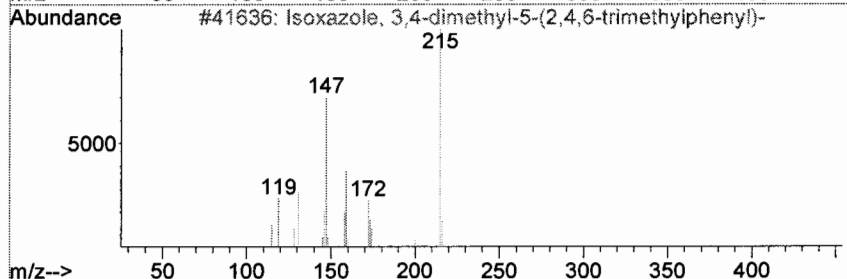
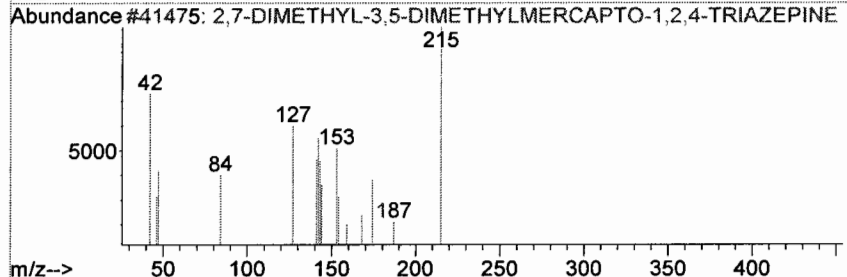
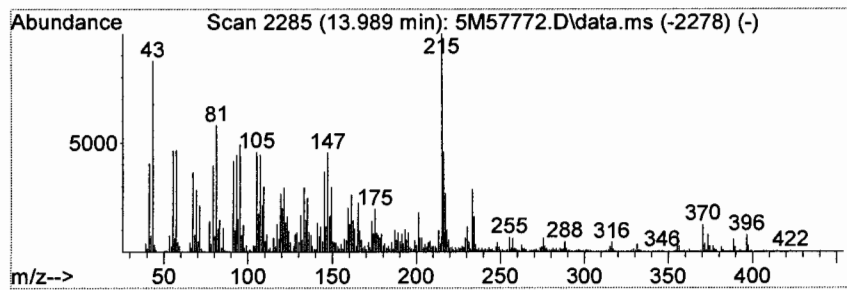
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Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

Peak Number 14 unknown Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.99	359.44 ng	2992969	LibIS-Acenaphthene-d10	7.43

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2,7-DIMETHYL-3,5-DIMETHYLMERCAPT...	215	C8H13N3S2	066425-11-4	35
2			Isoxazole, 3,4-dimethyl-5-(2,4,6...	215	C14H17NO	061314-49-6	30
3			PHOTOLYSIS PRODUCT OF 1,3,4,5,6,...	230	C17H26	052955-72-3	23
4			1,1-Dimethyl-9b.alpha.-hydroxy-2...	247	C14H17NO3	066784-05-2	17
5			Indan, 6-tert-butyl-4-ethyl-1,1-...	230	C17H26	003247-65-2	14



Data Path : G:\GCMSData\2010\GCMS_5\Data\05-12-10\
Data File : 5M57772.D
Acq On : 12 May 2010 11:56
Operator : AHD
Sample : AC51387-001
Misc : S,BNA
ALS Vial : 9 Sample Multiplier: 1

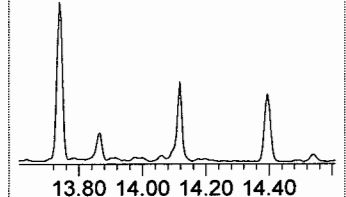
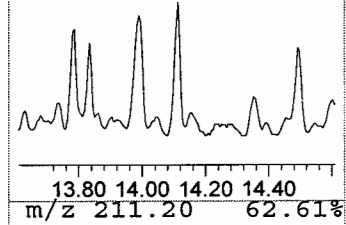
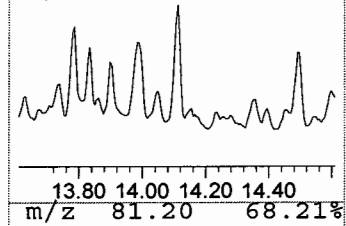
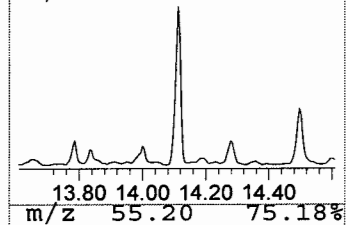
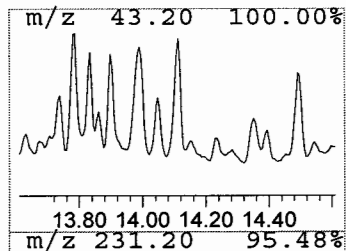
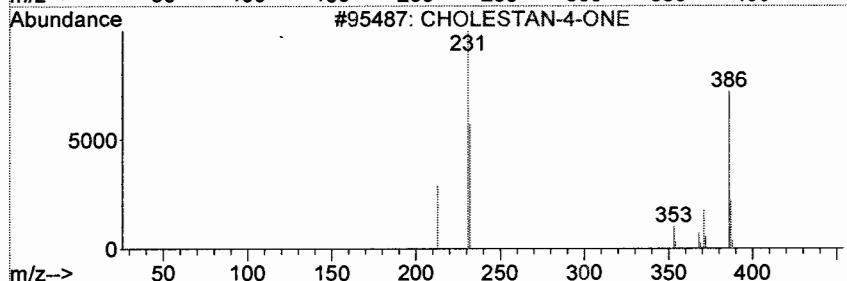
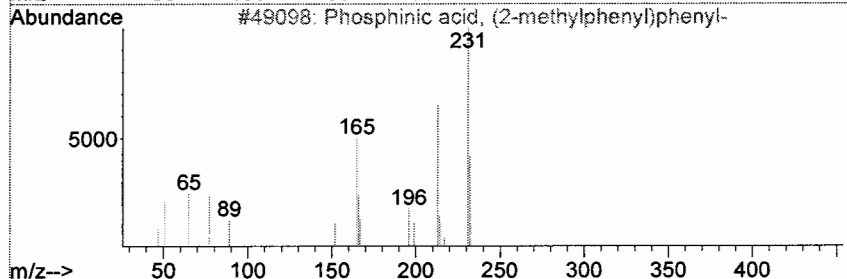
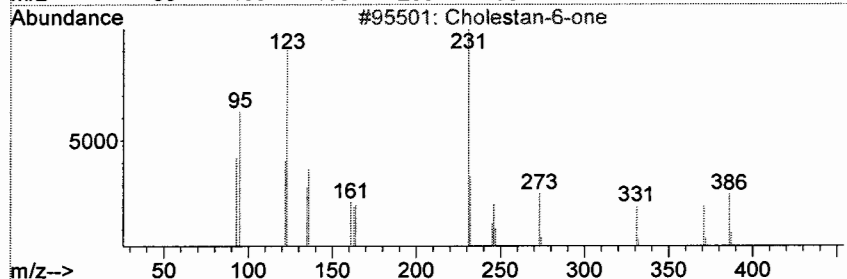
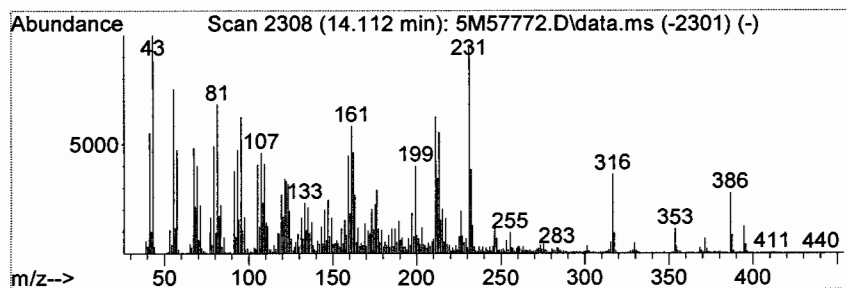
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Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

Peak Number 15 unknown Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.11	316.29 ng	2633629	LibIS-Acenaphthene-d10	7.43

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cholestan-6-one	386	C27H46O	022033-82-5	27
2			Phosphinic acid, (2-methylphenyl)...	232	C13H13O2P	018593-18-5	27
3			CHOLESTAN-4-ONE	386	C27H46O	000566-51-8	25
4			5.alpha.-Cholestan-3-one	386	C27H46O	000566-88-1	15
5			Cholestan-3-one	386	C27H46O	015600-08-5	15



Data Path : G:\GCMSData\2010\GCMS_5\Data\05-12-10\
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Acq On : 12 May 2010 11:56
Operator : AHD
Sample : AC51387-001
Misc : S,BNA
ALS Vial : 9 Sample Multiplier: 1

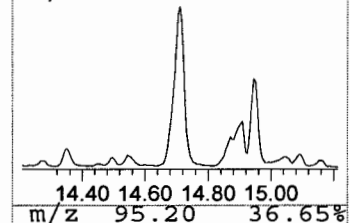
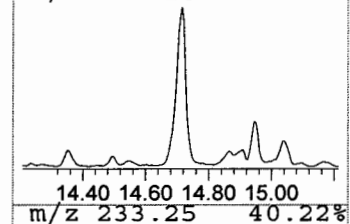
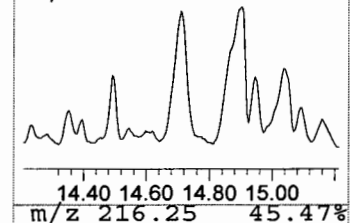
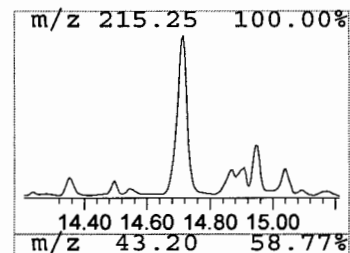
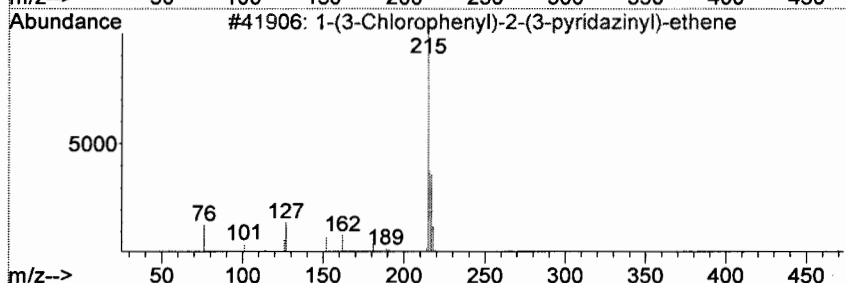
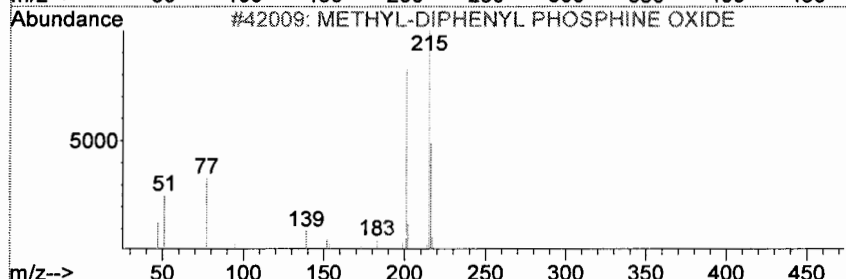
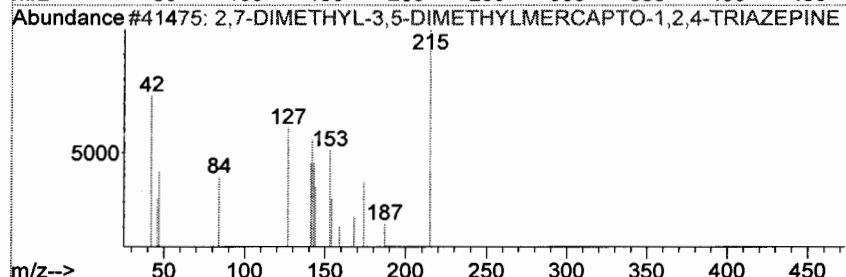
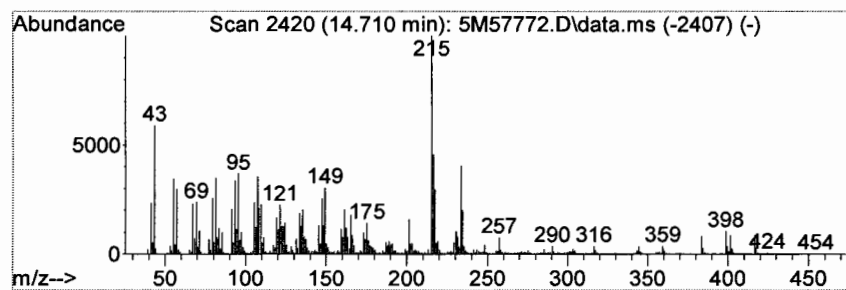
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Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

Peak Number 16 unknown Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.71	825.24 ng	6871577	LibIS-Acenaphthene-d10	7.43

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2,7-DIMETHYL-3,5-DIMETHYLMERCAPT...	215	C8H13N3S2	066425-11-4	38
2			METHYL-DIPHENYL PHOSPHINE OXIDE	216	C13H13OP	002129-89-7	38
3			1-(3-Chlorophenyl)-2-(3-pyridazi...	216	C12H9ClN2	083539-78-0	37
4			Epiergostanol	402	C28H50O	006538-02-9	27
5			1H-Purin-6-amine, N-(2-furanylme...	215	C10H9N5O	000525-79-1	22



Data Path : G:\GCMSData\2010\GCMS_5\Data\05-12-10\
Data File : 5M57772.D
Acq On : 12 May 2010 11:56
Operator : AHD
Sample : AC51387-001
Misc : S,BNA
ALS Vial : 9 Sample Multiplier: 1

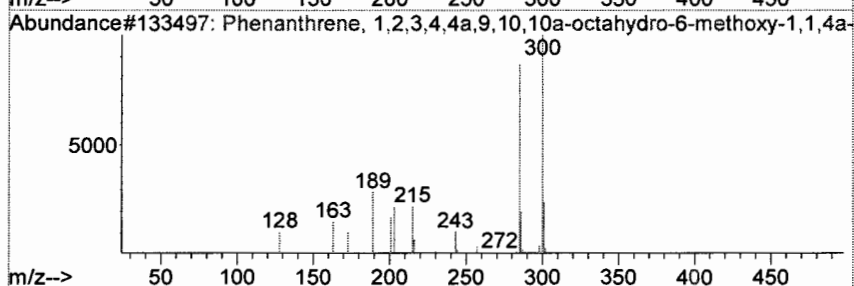
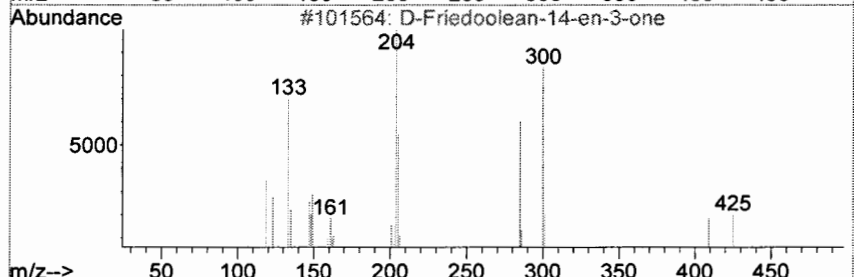
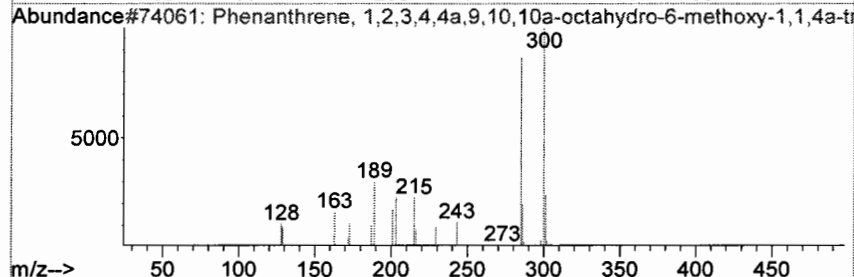
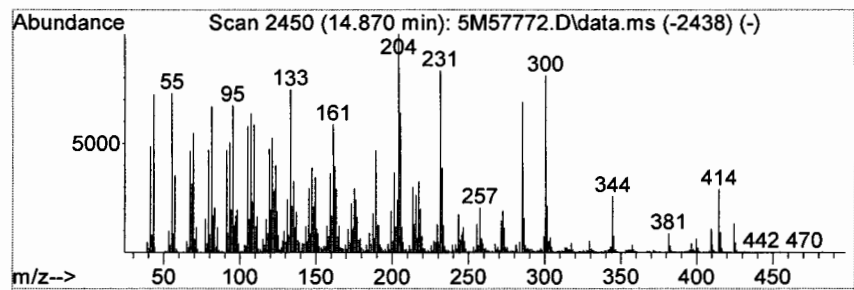
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TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

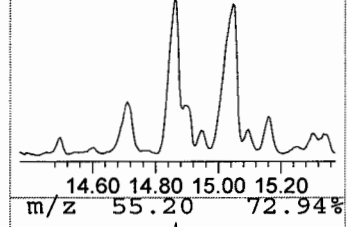
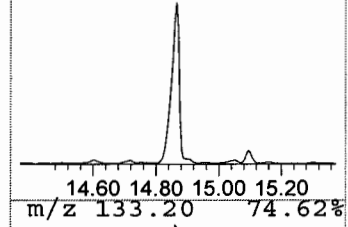
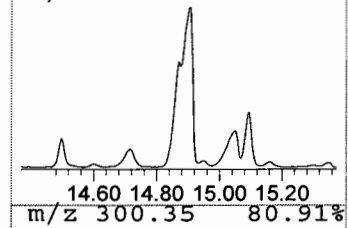
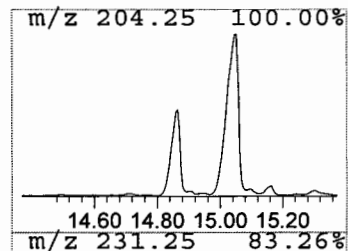
Peak Number 17 Phenanthrene, 1,2,3,4,4a,9,... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.87	1078.80 ng	8982876	LibIS-Acenaphthene-d10	7.43

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 1,2,3,4,4a,9,10,10...	300	C21H32O	010064-26-3	81
2			D-Friedoolean-14-en-3-one	424	C30H48O	000514-07-8	64
3			Phenanthrene, 1,2,3,4,4a,9,10,10...	300	C21H32O	010064-26-3	56
4			Hinokione	300	C20H28O2	000472-37-7	51
5			9(1H)-Phenanthrenone, 2,3,4,4a,1...	300	C20H28O2	000511-05-7	46



5M_0430.M Thu May 13 13:49:03 2010 RPT1



Data Path : G:\GCMSData\2010\GCMS_5\Data\05-12-10\
Data File : 5M57772.D
Acq On : 12 May 2010 11:56
Operator : AHD
Sample : AC51387-001
Misc : S,BNA
ALS Vial : 9 Sample Multiplier: 1

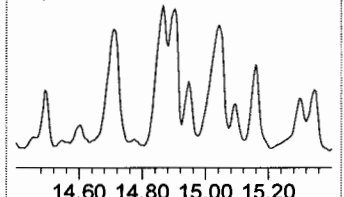
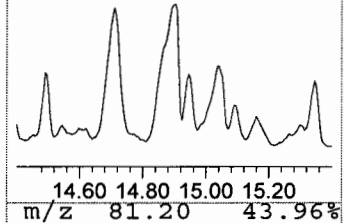
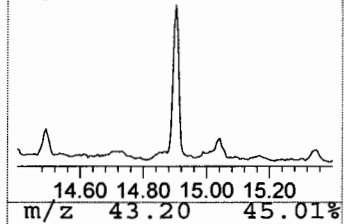
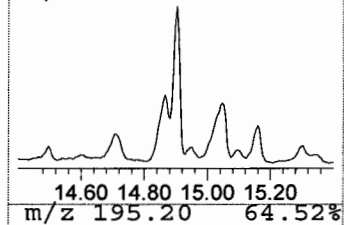
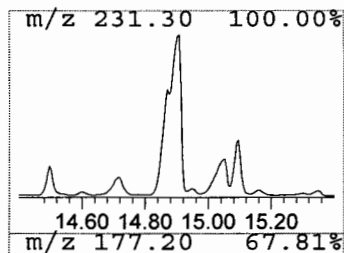
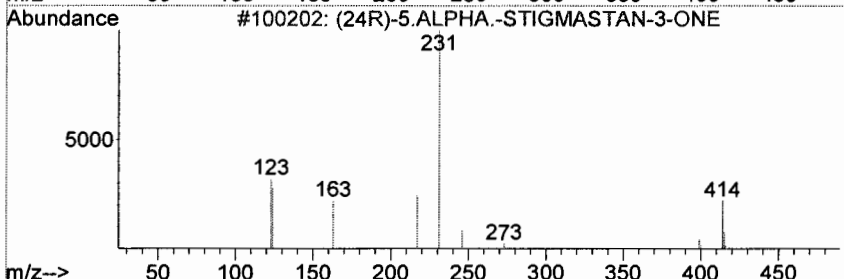
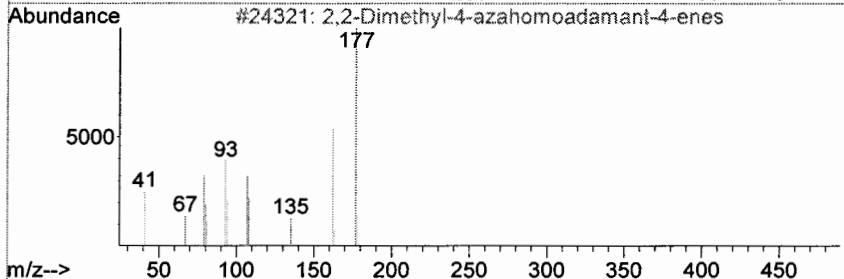
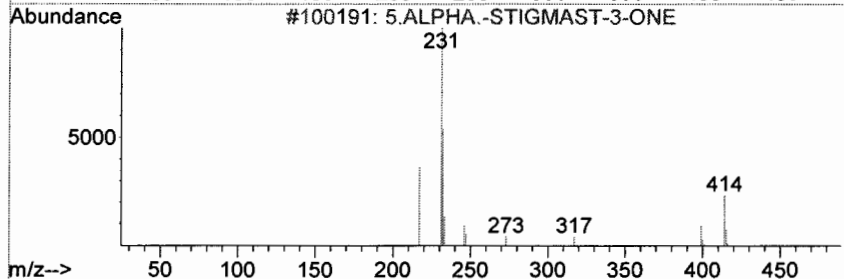
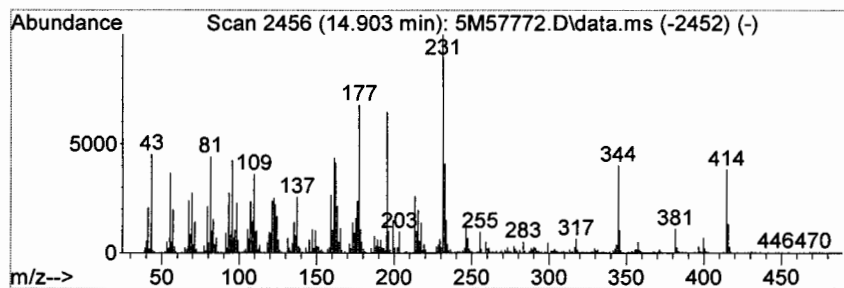
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Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

Peak Number 18 unknown Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.90	714.29 ng	5947682	LibIS-Acenaphthene-d10	7.43

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			5.ALPHA.-STIGMAST-3-ONE	414	C29H50O	000083-46-5	32
2			2,2-Dimethyl-4-azahomoadamant-4-...	177	C12H19N	088537-06-8	25
3			(24R)-5.ALPHA.-STIGMASTAN-3-ONE	414	C29H50O	005060-25-3	20
4			Methyl ester of 5,7,7-Trimethyl-...	305	C15H19N3O2S	081003-40-9	15
5			(24S)-5.ALPHA.-ERGOSTAN-3-ONE	400	C28H48O	059461-38-0	11



Data Path : G:\GCMSData\2010\GCMS_5\Data\05-12-10\
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Acq On : 12 May 2010 11:56
Operator : AHD
Sample : AC51387-001
Misc : S,BNA
ALS Vial : 9 Sample Multiplier: 1

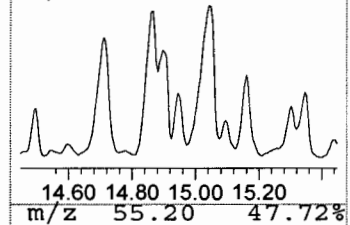
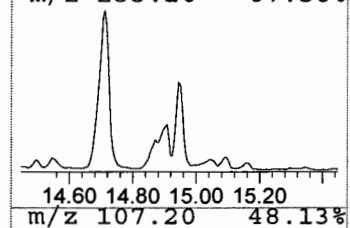
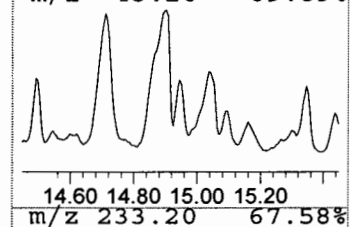
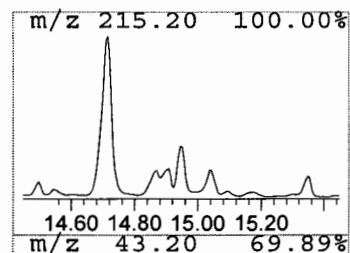
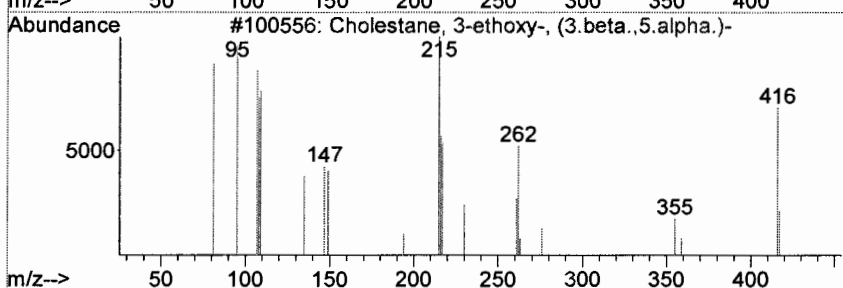
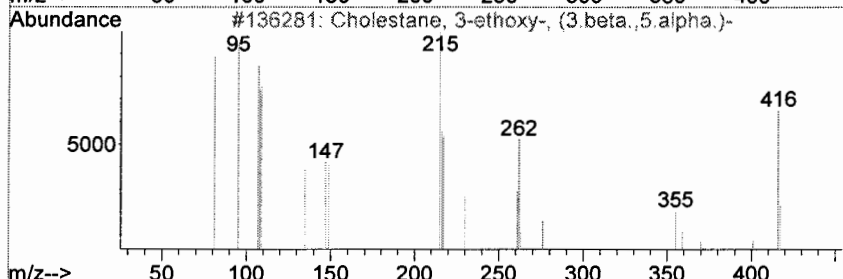
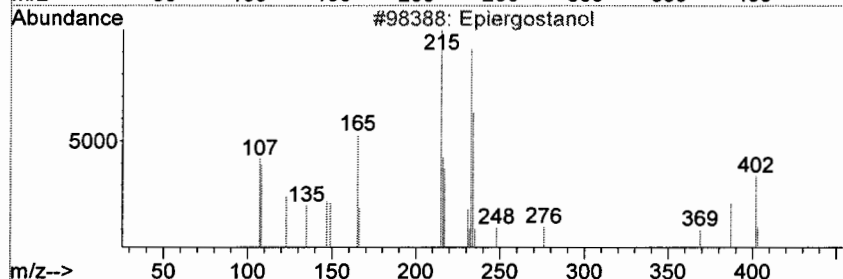
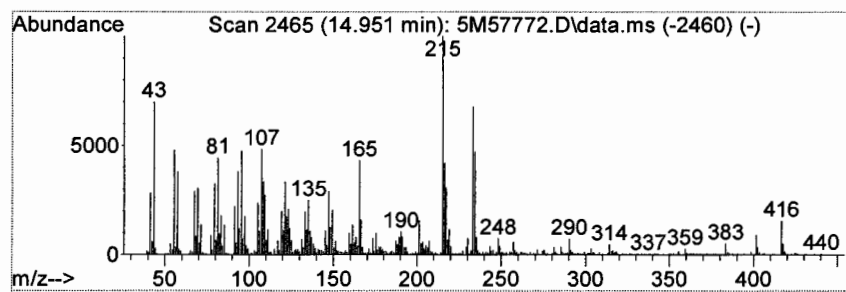
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Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

Peak Number 19 Epiergostanol Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.95	277.28 ng	2308825	LibIS-Acenaphthene-d10	7.43

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Epiergostanol	402	C28H50O	006538-02-9	76
2			Cholestane, 3-ethoxy-, (3.beta.,...	416	C29H52O	002089-02-3	45
3			Cholestane, 3-ethoxy-, (3.beta.,...	416	C29H52O	002089-02-3	35
4			GLAUCIC ACID	234	C15H22O2	087745-30-0	14
5			1,2,11-Undecanetriyl triacetate	330	C17H30O6	084120-75-2	12



Data Path : G:\GcMsData\2010\GCMS_5\Data\05-12-10\
Data File : 5M57772.D
Acq On : 12 May 2010 11:56
Operator : AHD
Sample : AC51387-001
Misc : S,BNA
ALS Vial : 9 Sample Multiplier: 1

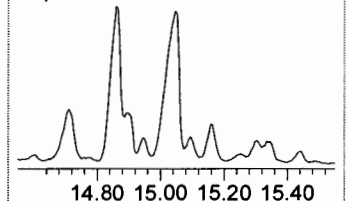
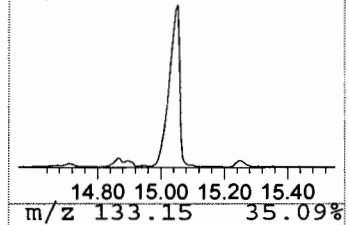
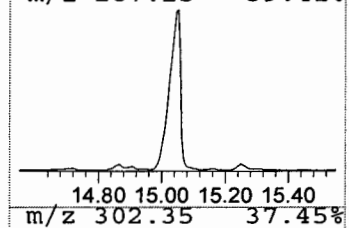
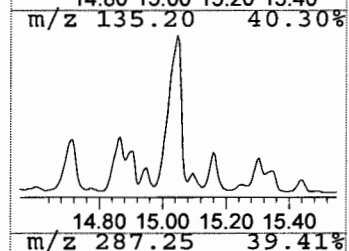
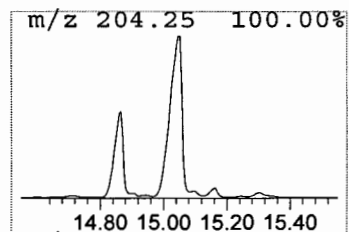
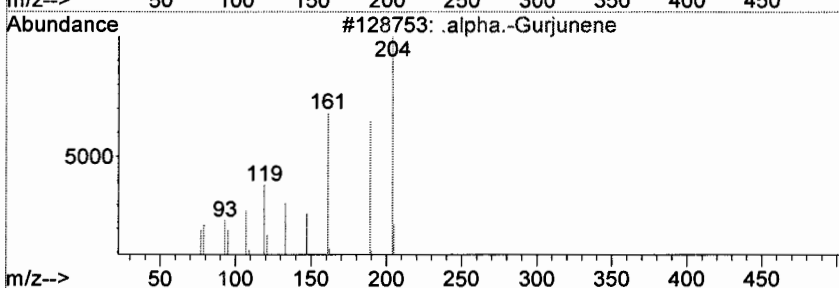
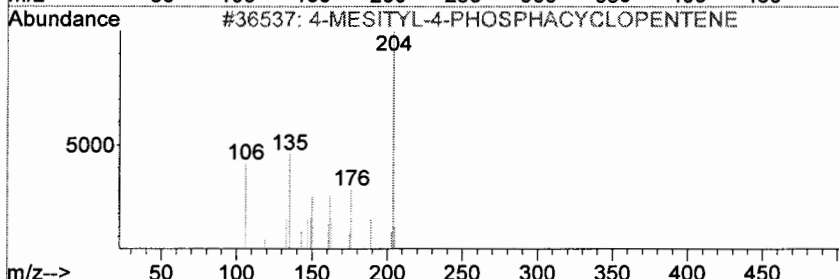
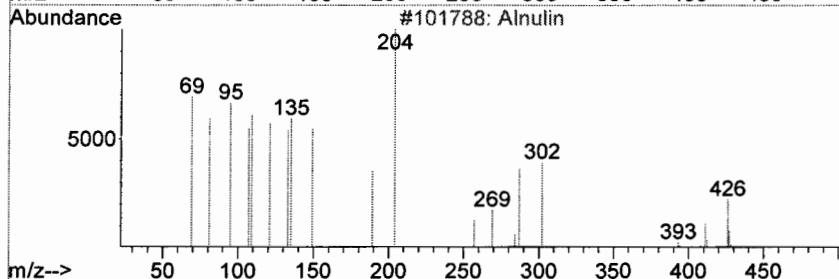
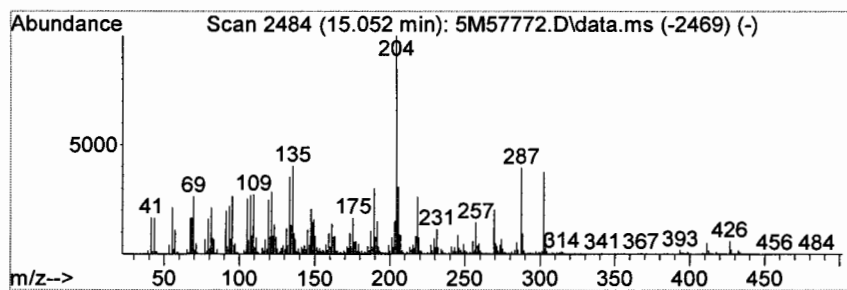
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Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

Peak Number 20 Alnulin Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.05	1498.16 ng	12474789	LibIS-Acenaphthene-d10	7.43

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Alnulin	426	C30H50O	000127-22-0	72
2			4-MESITYL-4-PHOSPHACYCLOPENTENE	204	C13H17P	000000-00-0	43
3			.alpha.-Gurjunene	204	C15H24	000489-40-7	25
4			3-(m-Methoxyphenyl)-2-cyclohexen...	204	C13H16O2	079881-58-6	25
5			2-Methyl-5-(methylthio)-3-phenyl...	204	C12H12OS	084735-61-5	25



Data Path : G:\GCMSData\2010\GCMS_5\Data\05-12-10\
Data File : 5M57772.D
Acq On : 12 May 2010 11:56
Operator : AHD
Sample : AC51387-001
Misc : S,BNA
ALS Vial : 9 Sample Multiplier: 1

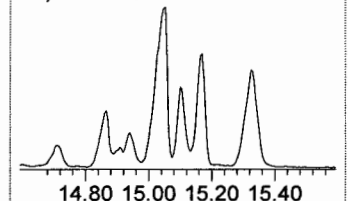
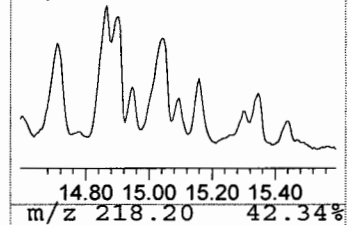
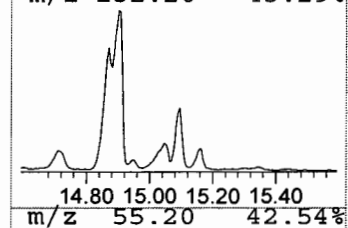
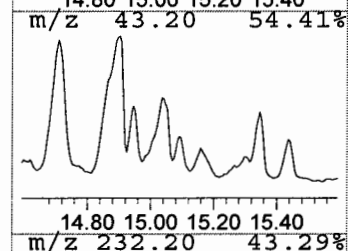
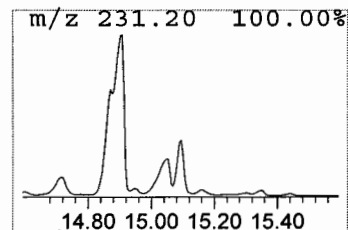
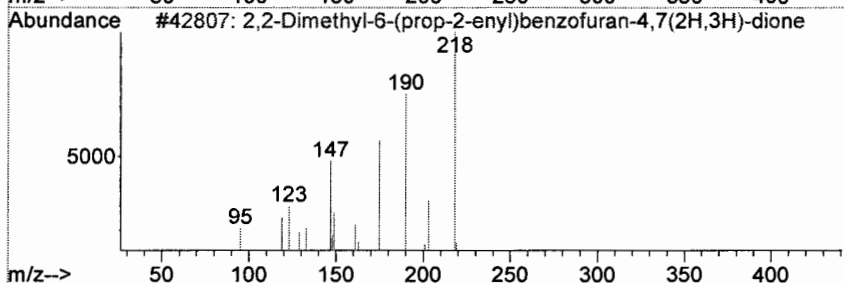
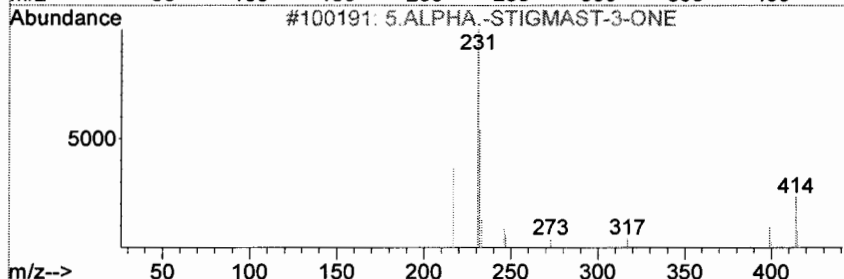
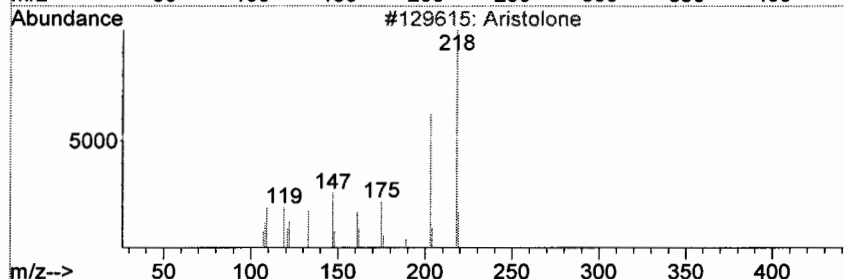
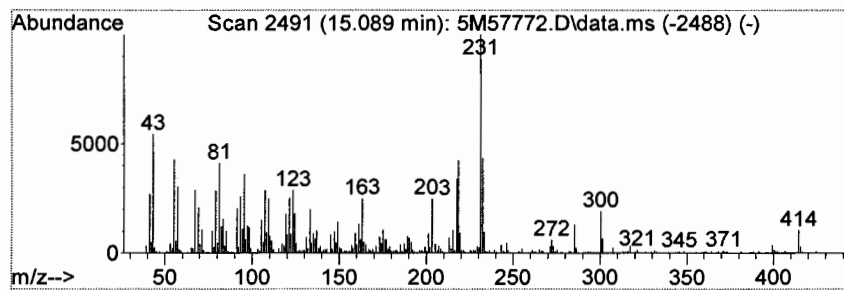
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Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

Peak Number 21 Aristolone Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.09	214.36 ng	1784953	LibIS-Acenaphthene-d10	7.43

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Aristolone	218	C15H22O	006831-17-0	56
2			5.ALPHA.-STIGMAST-3-ONE	414	C29H50O	000083-46-5	45
3			2,2-Dimethyl-6-(prop-2-enyl)benz...	218	C13H14O3	087386-32-1	35
4			Benzene, hexaethyl-	246	C18H30	000604-88-6	22
5			3,8-.alpha.-Furanether	232	C15H20O2	076601-35-5	22



Data Path : G:\GcMsData\2010\GCMS_5\Data\05-12-10\
Data File : 5M57772.D
Acq On : 12 May 2010 11:56
Operator : AHD
Sample : AC51387-001
Misc : S,BNA
ALS Vial : 9 Sample Multiplier: 1

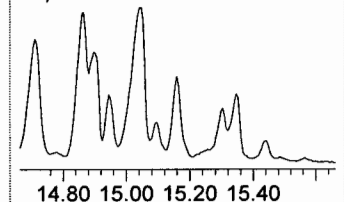
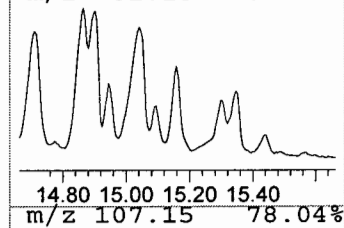
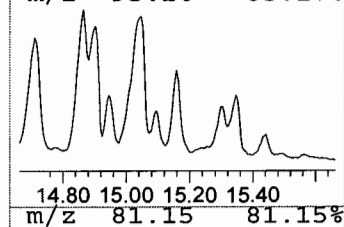
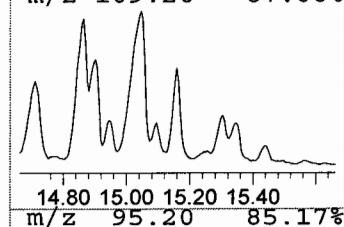
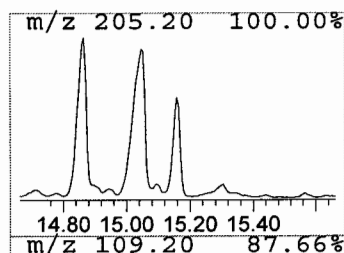
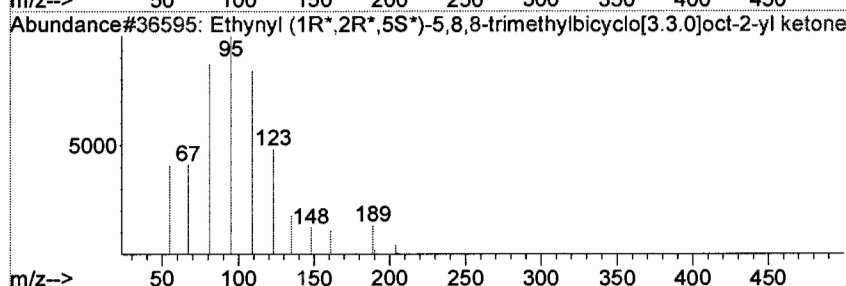
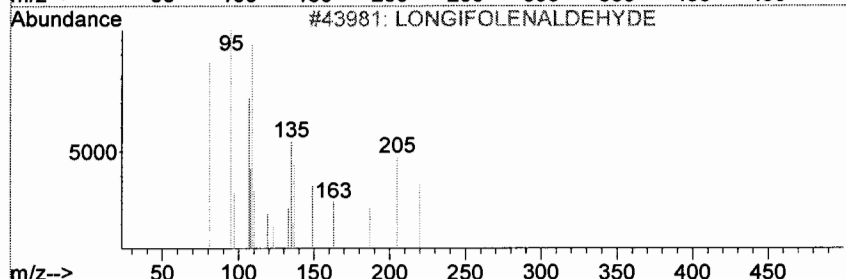
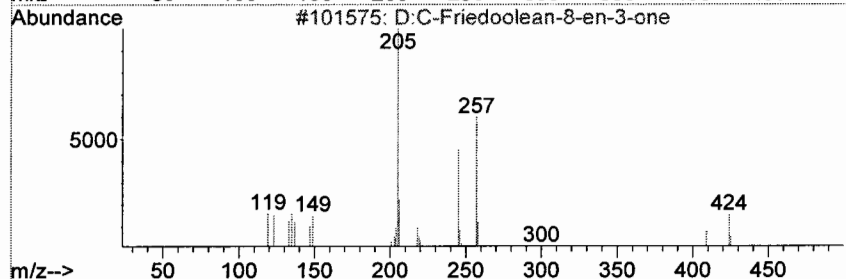
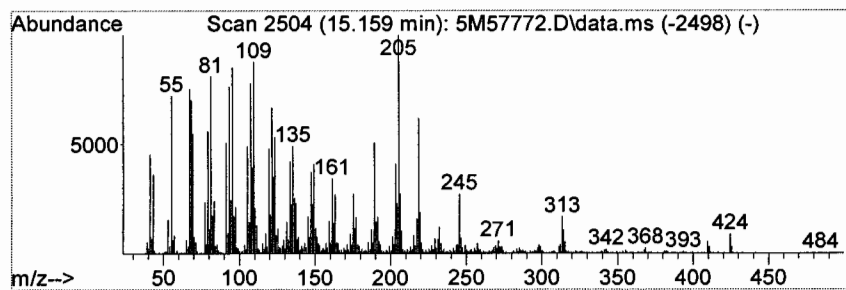
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Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

Peak Number 22 D:C-Friedoolean-8-en-3-one Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.16	366.65 ng	3053043	LibIS-Acenaphthene-d10	7.43

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			D:C-Friedoolean-8-en-3-one	424	C30H48O	022611-26-3	70
2			LONGIFOLENALDEHYDE	220	C15H24O	019890-84-7	49
3			Ethynyl (1R*,2R*,5S*)-5,8,8-trim...	204	C14H20O	085544-99-6	47
4			6,10-DIMETHYL-3-(1-METHYLETHYLID...	206	C15H26	069239-71-0	47
5			9,19-Cyclolanost-23-ene-3,25-dio...	442	C30H50O2	054482-57-4	45



Data Path : G:\GCMSData\2010\GCMS_5\Data\05-12-10\
Data File : 5M57772.D
Acq On : 12 May 2010 11:56
Operator : AHD
Sample : AC51387-001
Misc : S,BNA
ALS Vial : 9 Sample Multiplier: 1

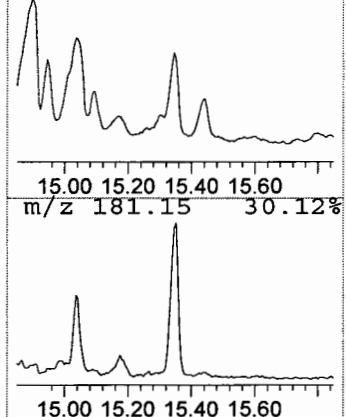
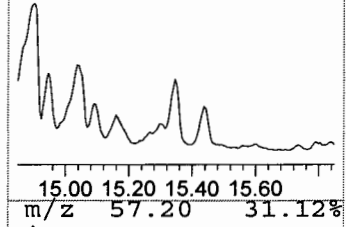
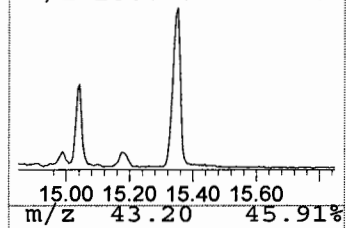
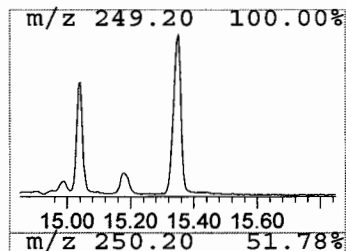
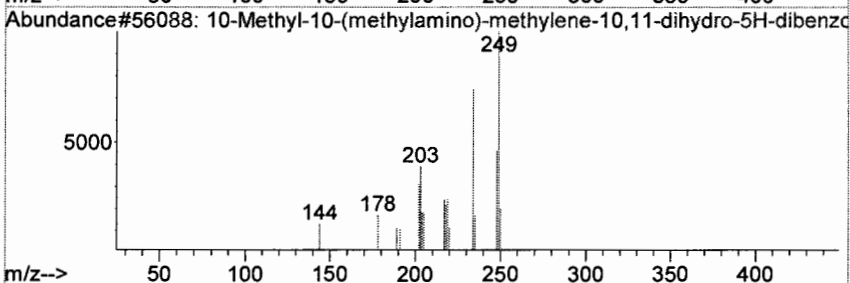
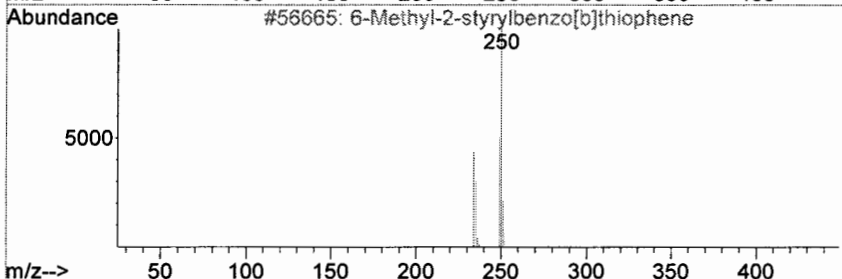
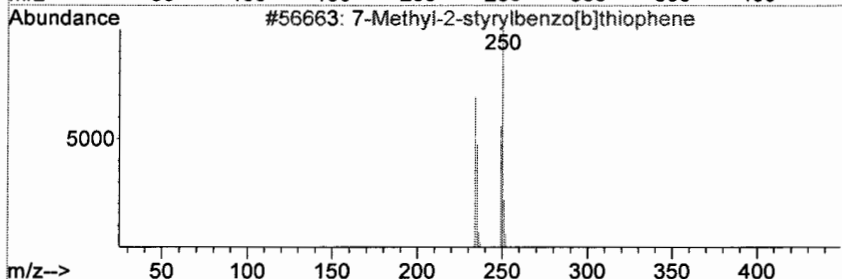
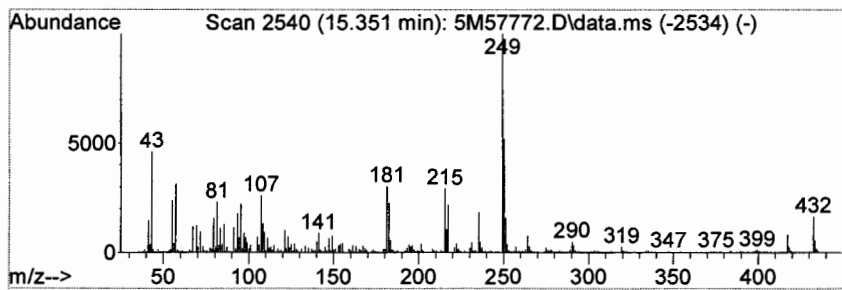
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Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

Peak Number 23 unknown Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.35	309.38 ng	2576103	LibIS-Acenaphthene-d10	7.43

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			7-Methyl-2-styrylbenzo[b]thiophene	250	C17H14S	084258-71-9	38
2			6-Methyl-2-styrylbenzo[b]thiophene	250	C17H14S	084258-77-5	38
3			10-Methyl-10-(methylamino)-methy...	249	C18H19N	070450-34-9	37
4			Benzo[1,2-c:3,4-c'5,6-c'']tri(is...	249	C9H3N3S3	074960-12-6	35
5			Phenothiazin-2-ol, 8-chloro-	249	C12H8ClNOS	005909-61-5	32



Data Path : G:\GcMsData\2010\GCMS_5\Data\05-12-10\
 Data File : 5M57772.D
 Acq On : 12 May 2010 11:56
 Operator : AHD
 Sample : AC51387-001
 Misc : S,BNA
 ALS Vial : 9 Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0430.M
 Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	-----Internal Standard-----				
					#	ExpRT	ActRt	Resp	Conc
2-Pentanone, 4-hy...	3.49	4876.5	ng	25021596	1	5.06	5.06	205241	40.0
2-Pentanone, 4-hy...	3.51	425.0	ng	2180678	1	5.06	5.06	205241	40.0
unknown	9.84	401.7	ng	3344884	2	7.43	7.43	333070	40.0
10-Methoxybenz[a]...	10.20	188.1	ng	1566102	2	7.43	7.43	333070	40.0
Heneicosane	11.36	188.3	ng	1567717	2	7.43	7.43	333070	40.0
Nonadecane	11.76	267.4	ng	2226241	2	7.43	7.43	333070	40.0
Heneicosane	12.14	205.8	ng	1713781	2	7.43	7.43	333070	40.0
Eicosane	12.51	218.3	ng	1818038	2	7.43	7.43	333070	40.0
unknown	13.12	357.8	ng	2979375	2	7.43	7.43	333070	40.0
unknown	13.17	219.8	ng	1830070	2	7.43	7.43	333070	40.0
Pentacosane	13.24	235.2	ng	1958811	2	7.43	7.43	333070	40.0
unknown	13.79	315.6	ng	2627743	2	7.43	7.43	333070	40.0
unknown	13.83	209.9	ng	1747764	2	7.43	7.43	333070	40.0
unknown	13.99	359.4	ng	2992969	2	7.43	7.43	333070	40.0
unknown	14.11	316.3	ng	2633629	2	7.43	7.43	333070	40.0
unknown	14.71	825.2	ng	6871577	2	7.43	7.43	333070	40.0
Phenanthrene, 1,2...	14.87	1078.8	ng	8982876	2	7.43	7.43	333070	40.0
unknown	14.90	714.3	ng	5947682	2	7.43	7.43	333070	40.0
Epiergostanol	14.95	277.3	ng	2308825	2	7.43	7.43	333070	40.0
Alnulin	15.05	1498.2	ng	12474789	2	7.43	7.43	333070	40.0
Aristolone	15.09	214.4	ng	1784953	2	7.43	7.43	333070	40.0
D:C-Friedoolean-8...	15.16	366.7	ng	3053043	2	7.43	7.43	333070	40.0
unknown	15.35	309.4	ng	2576103	2	7.43	7.43	333070	40.0

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AC51387-002(20X)

Client Id: PI-01-TP-RAU5043010SS0

Data File: 5M57797.D

Analysis Date: 05/13/10 00:01

Date Rec/Extracted: 05/03/10-05/11/10

Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270C

Matrix: Soil

Initial Vol: 30g

Final Vol: 1.5ml

Dilution: 20

Solids: 83

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
120-82-1	1,2,4-Trichlorobenzene	2.4	U	191-24-2	Benzo[g,h,i]perylene	2.4	3.5
122-66-7	1,2-Diphenylhydrazine	2.4	U	207-08-9	Benzo[k]fluoranthene	2.4	U
95-95-4	2,4,5-Trichlorophenol	2.4	U	65-85-0	Benzoic Acid	12	U
88-06-2	2,4,6-Trichlorophenol	2.4	U	111-91-1	bis(2-Chloroethoxy)methan	2.4	U
120-83-2	2,4-Dichlorophenol	2.4	U	111-44-4	bis(2-Chloroethyl)ether	2.4	U
105-67-9	2,4-Dimethylphenol	2.4	U	108-60-1	bis(2-chloroisopropyl)ether	2.4	U
51-28-5	2,4-Dinitrophenol	12	U	117-81-7	bis(2-Ethylhexyl)phthalate	2.4	U
121-14-2	2,4-Dinitrotoluene	2.4	U	85-68-7	Butylbenzylphthalate	2.4	U
606-20-2	2,6-Dinitrotoluene	2.4	U	86-74-8	Carbazole	2.4	U
91-58-7	2-Chloronaphthalene	2.4	U	218-01-9	Chrysene	2.4	11
95-57-8	2-Chlorophenol	2.4	U	53-70-3	Dibenzo[a,h]anthracene	2.4	U
91-57-6	2-Methylnaphthalene	2.4	11	132-64-9	Dibenzofuran	2.4	U
95-48-7	2-Methylphenol	2.4	U	84-66-2	Diethylphthalate	2.4	U
88-74-4	2-Nitroaniline	2.4	U	131-11-3	Dimethylphthalate	2.4	U
88-75-5	2-Nitrophenol	2.4	U	84-74-2	Di-n-butylphthalate	2.4	U
106-44-5	3&4-Methylphenol	2.4	U	117-84-0	Di-n-octylphthalate	2.4	U
91-94-1	3,3'-Dichlorobenzidine	2.4	U	206-44-0	Fluoranthene	2.4	7.4
99-09-2	3-Nitroaniline	2.4	U	86-73-7	Fluorene	2.4	4.1
534-52-1	4,6-Dinitro-2-methylphenol	12	U	118-74-1	Hexachlorobenzene	2.4	U
101-55-3	4-Bromophenyl-phenylether	2.4	U	87-68-3	Hexachlorobutadiene	2.4	U
59-50-7	4-Chloro-3-methylphenol	2.4	U	77-47-4	Hexachlorocyclopentadiene	12	U
106-47-8	4-Chloroaniline	2.4	U	67-72-1	Hexachloroethane	2.4	U
7005-72-3	4-Chlorophenyl-phenylether	2.4	U	193-39-5	Indeno[1,2,3-cd]pyrene	2.4	U
100-01-6	4-Nitroaniline	2.4	U	78-59-1	Isophorone	2.4	U
100-02-7	4-Nitrophenol	2.4	U	91-20-3	Naphthalene	2.4	2.7
83-32-9	Acenaphthene	2.4	5.3	98-95-3	Nitrobenzene	2.4	U
208-96-8	Acenaphthylene	2.4	U	62-75-9	N-Nitrosodimethylamine	2.4	U
62-53-3	Aniline	2.4	U	621-64-7	N-Nitroso-di-n-propylamine	2.4	U
120-12-7	Anthracene	2.4	7.5	86-30-6	n-Nitrosodiphenylamine	2.4	U
92-87-5	Benzidine	12	U	87-86-5	Pentachlorophenol	12	U
56-55-3	Benzo[a]anthracene	2.4	7.9	85-01-8	Phenanthrene	2.4	24
50-32-8	Benzo[a]pyrene	2.4	4.4	108-95-2	Phenol	2.4	U
205-99-2	Benzo[b]fluoranthene	2.4	3.4	129-00-0	Pyrene	2.4	28

Worksheet #: 151474

Total Target Concentration 120

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.

B - Indicates the analyte was found in the blank as well as in the sample.

E - Indicates the analyte concentration exceeds the calibration range of the instrument.

R - Retention Time Out

J - Indicates an estimated value when a compound is detected at less than the specified detection limit.

d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.

Form1eORGANICS SEMIVOLATILE REPORT
Tentatively Identified Compounds

Sample Number: AC51387-002(20X)
 Client Id: PI-01-TP-RAU5043010
 Data File: 5M57797.D
 Analysis Date: 05/13/10 00:01
 Date Rec/Extracted: 05/03/10-05/11/10

Matrix: Soil
 Initial Vol: 30g
 Final Vol: 1.5ml
 Dilution: 20
 Solids: 83
 Method: EPA 8270C

Units: mg/Kg

	Cas #	Compound	RT	Conc	
1	123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.24	220 JAB	16.5.13.10
2	90-12-0	Naphthalene, 1-methyl-	6.68	31 J	
3	582-16-1	Naphthalene, 2,7-dimethyl-	7.07	37 J	
4	571-61-9	Naphthalene, 1,5-dimethyl-	7.13	46 J	
5	2131-42-2	Naphthalene, 1,4,6-trimethyl-	7.49	36 J	
6	2131-42-2	Naphthalene, 1,4,6-trimethyl-	7.57	34 J	
7	2131-41-1	Naphthalene, 1,4,5-trimethyl-	7.75	26 J	
8	16587-52-3	Dibenzothiophene, 3-methyl-	9.11	27 J	
9	613-12-7	Anthracene, 2-methyl-	9.30	47 J	
10	613-12-7	Anthracene, 2-methyl-	9.33	39 J	
11	832-64-4	Phenanthrene, 4-methyl-	9.41	38 J	
12	779-02-2	Anthracene, 9-methyl-	9.44	28 J	
13	23654-30-0	3,4-Dimethyldibenzothiophene	9.62	27 J	
14	1576-69-8	Phenanthrene, 2,7-dimethyl-	9.79	37 J	
15	38647-26-6	(+)-3,3,7-Trimethyltricyclo[5.4.0.0(2,9	9.83	41 J	
16	3674-66-6	Phenanthrene, 2,5-dimethyl-	9.91	76 J	
17	38647-26-6	(+)-3,3,7-Trimethyltricyclo[5.4.0.0(2,9	9.94	31 J	
18	15096-10-3	Benzene, 1,1'-[(methylthio)ethenylidene]	10.15	25 J	
19	3674-73-5	Phenanthrene, 2,3,5-trimethyl-	10.39	25 J	
20	3674-73-5	Phenanthrene, 2,3,5-trimethyl-	10.43	41 J	

Worksheet #: 151474

Total Tentatively Identified Concentration 910*A - Indicates an aldol condensate.**J - Indicates an estimated value.**B - Indicates the analyte was found in the blank as well as in the sample.**Y - Indicates the analyte was found in the blank at <10% of the concentration of the sample.**<10% - Indicates the analyte was found in the blank at < 10% of nearest Internal Standard*

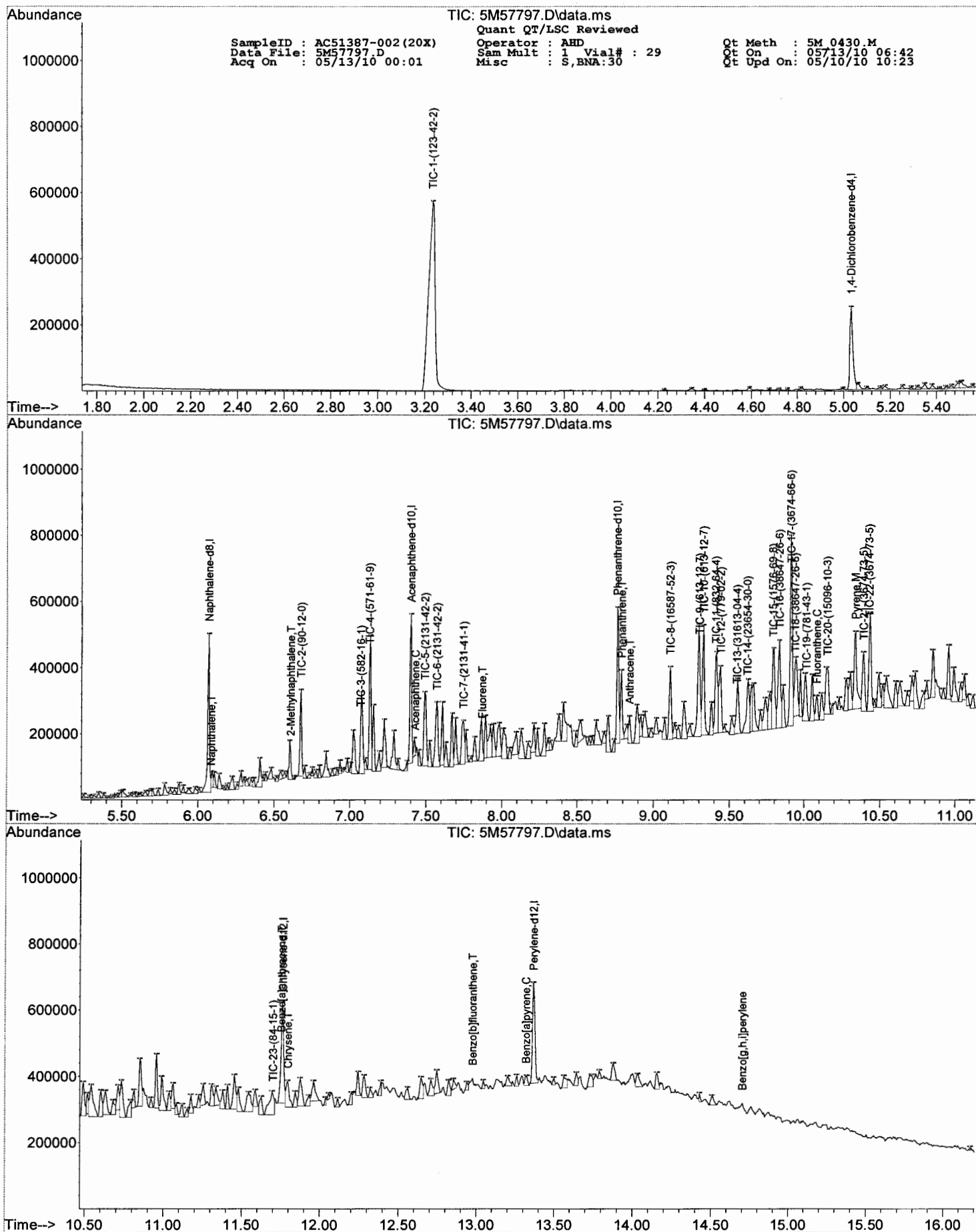
SampleID : AC51387-002(20X) Operator : AHD Qt Meth : 5M_0430.M
 Data File: 5M57797.D Sam Mult : 1 Vial# : 29 Qt On : 05/13/10 06:42
 Acq On : 05/13/10 00:01 Misc : S,BNA:30 Qt Upd On: 05/10/10 10:23

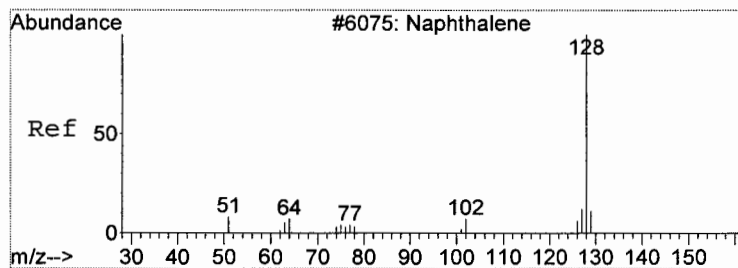
Data Path : G:\GcMsData\2010\GCMS_5\Data\05-1210\
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 Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.034	152	32687	40.00	ng	-0.22
29) Naphthalene-d8	6.070	136	122474	40.00	ng	-0.22
47) Acenaphthene-d10	7.400	164	68712	40.00	ng	-0.24
73) Phenanthrene-d10	8.763	188	124122	40.00	ng	-0.28
87) Chrysene-d12	11.765	240	94457	40.00	ng	-0.30
102) Perylene-d12	13.368	264	95318	40.00	ng	-0.30
System Monitoring Compounds						
10) 2-Fluorophenol	0.000	112	0d	0.00	ng	
Spiked Amount 100.000			Recovery	=	0.00%	
15) Phenol-d5	0.000	99	0d	0.00	ng	
Spiked Amount 100.000			Recovery	=	0.00%	
30) Nitrobenzene-d5	0.000	128	0d	0.00	ng	
Spiked Amount 50.000			Recovery	=	0.00%	
52) 2-Fluorobiphenyl	0.000	172	0d	0.00	ng	
Spiked Amount 50.000			Recovery	=	0.00%	
76) 2,4,6-Tribromophenol	0.000	330	0d	0.00	ng	
Spiked Amount 100.000			Recovery	=	0.00%	
90) Terphenyl-d14	0.000	244	0d	0.00	ng	
Spiked Amount 50.000			Recovery	=	0.00%	
Target Compounds						
39) Naphthalene	6.086	128	7537	2.28	ng	Qvalue 91
44) 2-Methylnaphthalene	6.610	142	20748	8.72	ng	97
61) Acenaphthene	7.427	153	9224	4.43	ng	92
68) Fluorene	7.870	166	8946	3.37	ng	82
82) Phenanthrene	8.789	178	74029	20.27	ng	98
83) Anthracene	8.843	178	22700	6.20	ng	94
86) Fluoranthene	10.082	202	26984	6.16	ng	80
88) Pyrene	10.339	202	89575	23.53	ng	75
99) Benzo[a]anthracene	11.754	228	23593	6.59	ng	85
100) Chrysene	11.797	228	29761	9.42	ng	78
104) Benzo[b]fluoranthene	12.978	252	9631m	2.79	ng	
106) Benzo[a]pyrene	13.320	252	11604	3.68	ng	81
109) Benzo[g,h,i]perylene	14.703	276	7270	2.93	ng	64
Library Search Internal Standards TIC Results						
1) 1,4-Dichlorobenzene-d4	5.034		240328m	40.00	ng	--
2) Naphthalene-d8	6.070		322094	40.00	ng	--
3) Acenaphthene-d10	7.400		350359m	40.00	ng	--
4) Phenanthrene-d10	8.763		382715m	40.00	ng	--
5) Perylene-d12	13.368		314392m	40.00	ng	--
Library Search Compounds						
1) 123-42-2	3.240		1100835	183.22	ng	56
2) 90-12-0	6.680		204903	25.45	ng	94
3) 582-16-1	7.070		266643	30.44	ng	95
4) 571-61-9	7.130		331623	37.86	ng	98
5) 2131-42-2	7.490		263520	30.09	ng	95
6) 2131-42-2	7.570		247194	28.22	ng	98
7) 2131-41-1	7.750		185423	21.17	ng	94
8) 16587-52-3	9.110		214900	22.46	ng	95
9) 613-12-7	9.300		375037	39.20	ng	95
10) 613-12-7	9.330		308413	32.23	ng	96
11) 832-64-4	9.410		298779	31.23	ng	90
12) 779-02-2	9.440		221433	23.14	ng	81
13) 31613-04-4	9.550		178449	18.65	ng	83
14) 23654-30-0	9.620		218013	22.79	ng	58
15) 1576-69-8	9.790		297298	31.07	ng	90
16) 38647-26-6	9.830		321811	33.63	ng	95
17) 3674-66-6	9.910		603568	63.08	ng	93
18) 38647-26-6	9.940		245600	25.67	ng	95
19) 781-43-1	10.010		174245	18.21	ng	90
20) 15096-10-3	10.150		201317	21.04	ng	86
21) 3674-73-5	10.390		198295	20.73	ng	93
22) 3674-73-5	10.430		323821	33.84	ng	80
23) 84-15-1	11.700		156785	19.95	ng	52

(#) = qualifier out of range (m) = manual integration (+) = signals summed

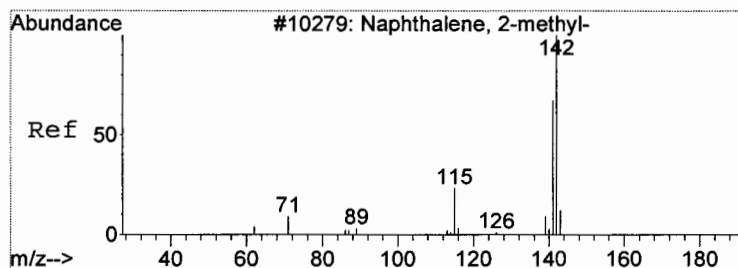
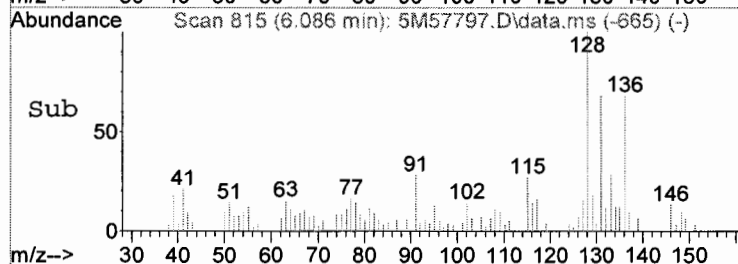
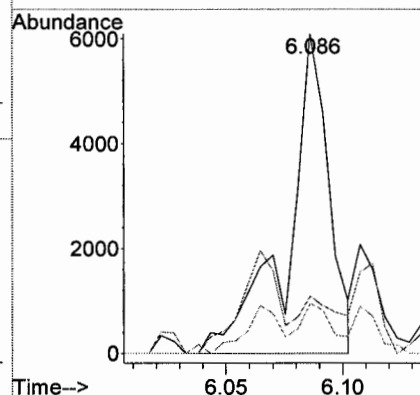
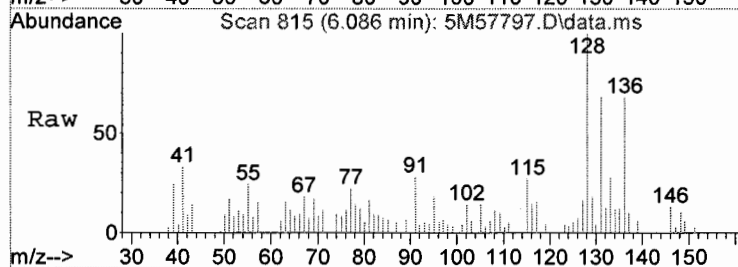
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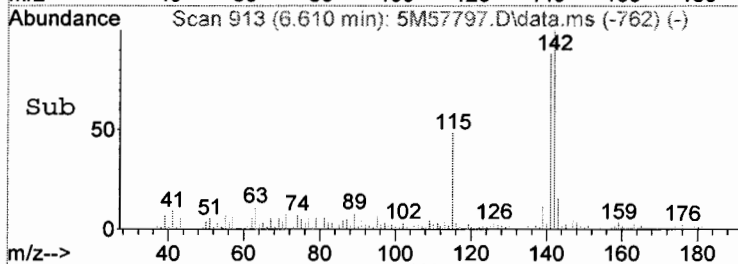
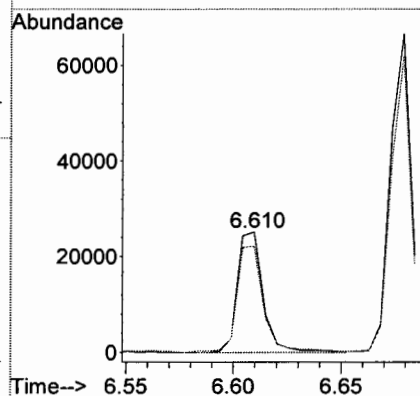
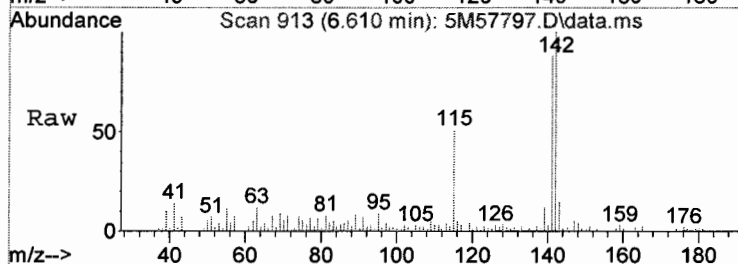
#39
Naphthalene
Concen: 2.28 ng
RT: 6.086 min Scan# 815
Delta R.T. -0.216 min
Lab File: 5M57797.D
Acq: 13 May 2010 00:01

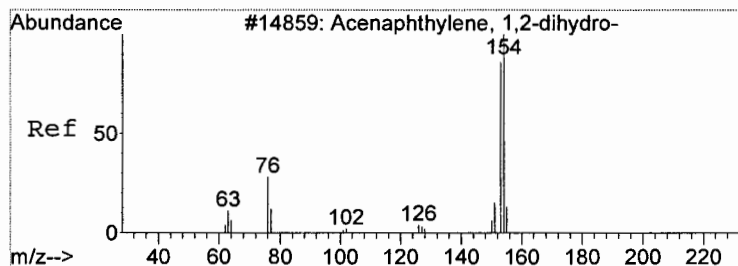
Tgt Ion	Ratio	Lower	Upper
128	100		
129	17.9	0.0	50.9
127	12.9	0.0	52.4



#44
2-Methylnaphthalene
Concen: 8.72 ng
RT: 6.610 min Scan# 913
Delta R.T. -0.211 min
Lab File: 5M57797.D
Acq: 13 May 2010 00:01

Tgt Ion	Ratio	Lower	Upper
142	100		
141	87.2	44.6	124.6





#61

Acenaphthene

Concen: 4.43 ng

RT: 7.427 min Scan# 1066

Delta R.T. -0.243 min

Lab File: 5M57797.D

Acq: 13 May 2010 00:01

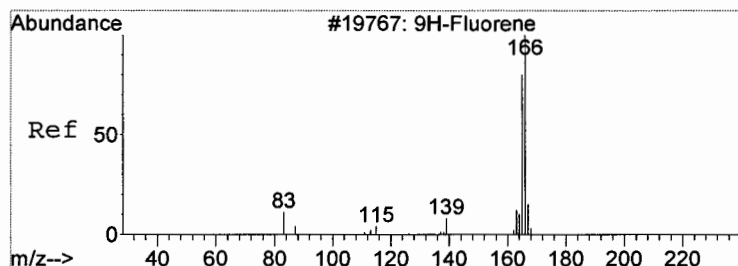
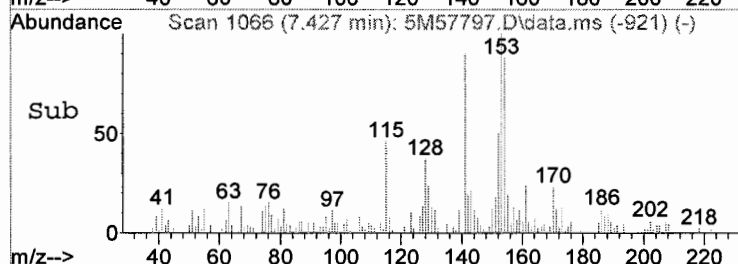
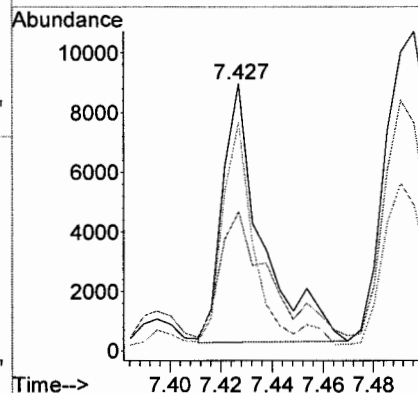
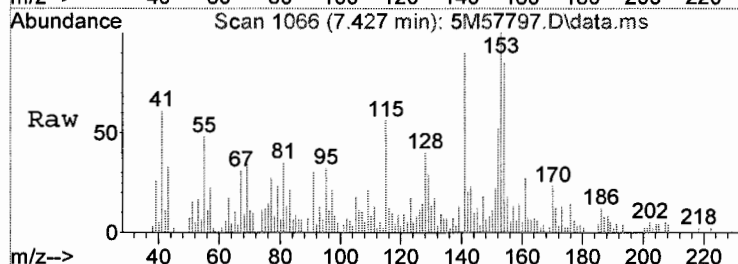
Tgt Ion:153 Resp: 9224

Ion Ratio Lower Upper

153 100

152 48.9 10.0 90.0

154 86.0 57.5 137.5



#68

Fluorene

Concen: 3.37 ng

RT: 7.870 min Scan# 1149

Delta R.T. -0.253 min

Lab File: 5M57797.D

Acq: 13 May 2010 00:01

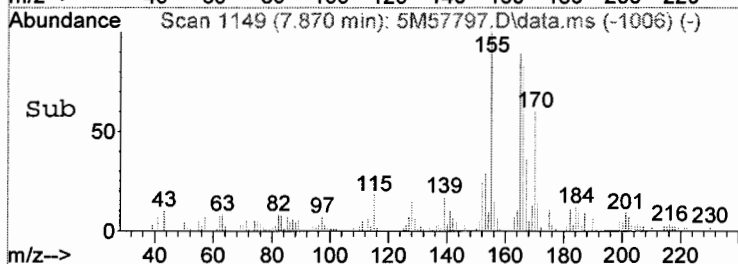
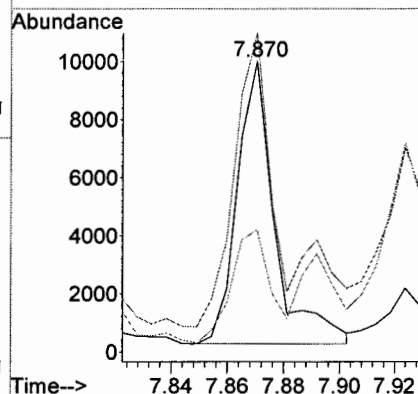
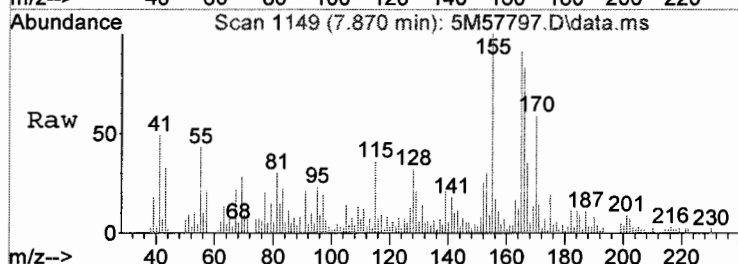
Tgt Ion:166 Resp: 8946

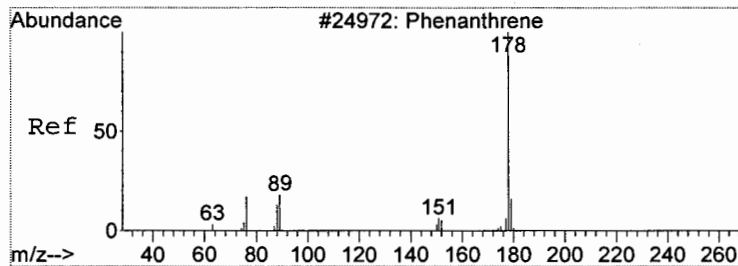
Ion Ratio Lower Upper

166 100

165 103.7 0.0 292.6

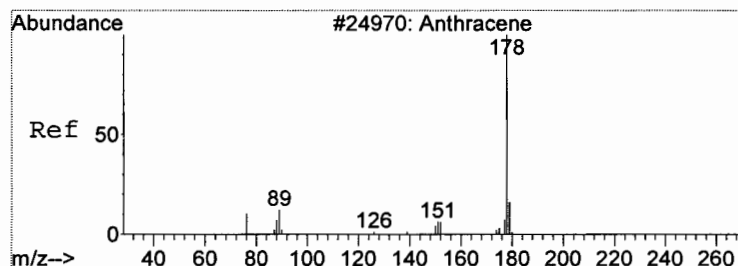
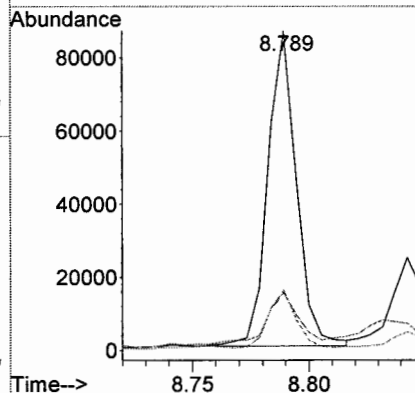
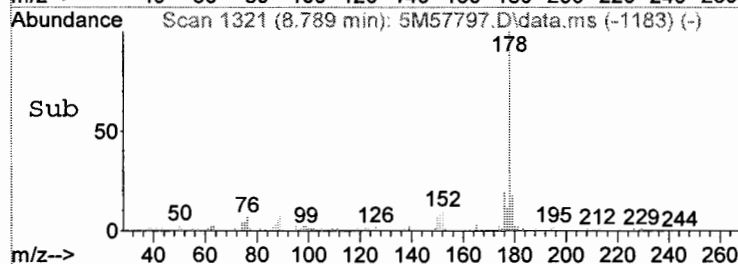
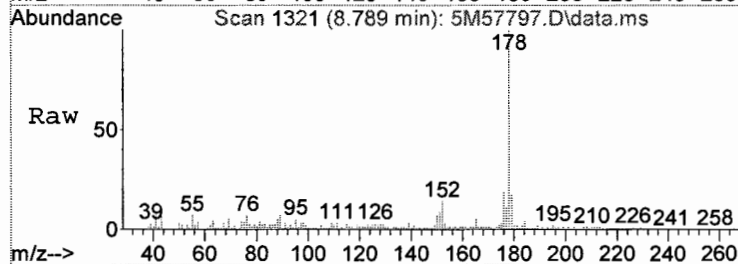
167 40.0 0.0 213.2





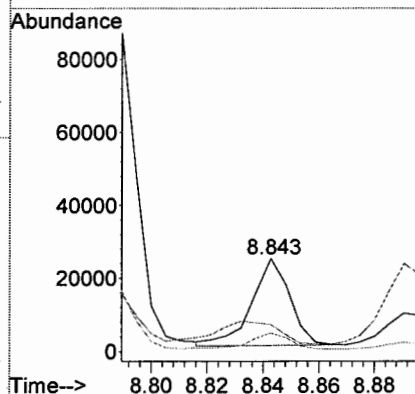
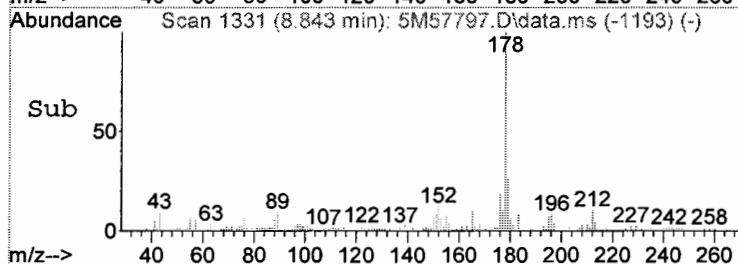
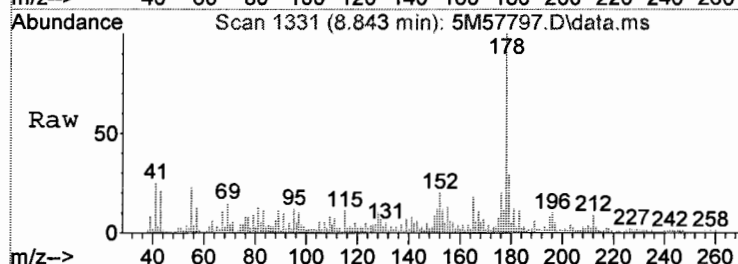
#82
Phenanthrene
Concen: 20.27 ng
RT: 8.789 min Scan# 1321
Delta R.T. -0.280 min
Lab File: 5M57797.D
Acq: 13 May 2010 00:01

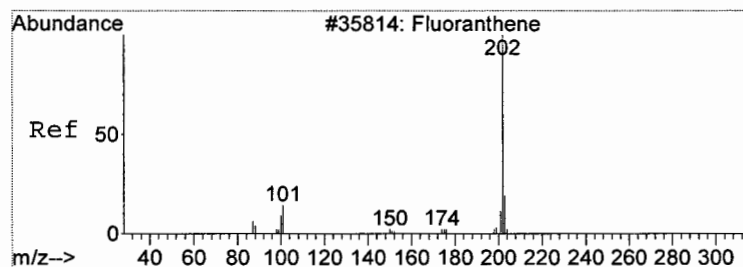
Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.3	0.0	55.5
176	18.0	0.0	59.3



#83
Anthracene
Concen: 6.20 ng
RT: 8.843 min Scan# 1331
Delta R.T. -0.280 min
Lab File: 5M57797.D
Acq: 13 May 2010 00:01

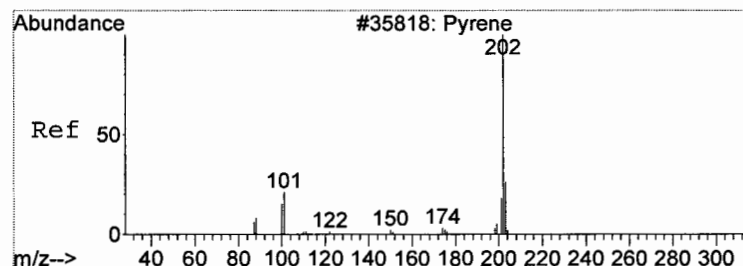
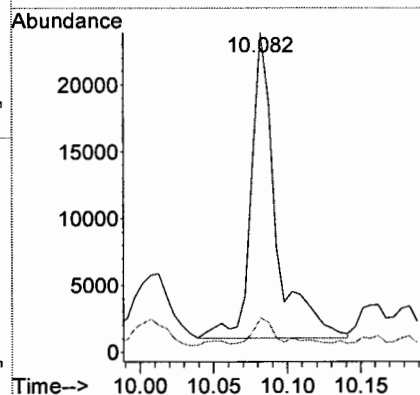
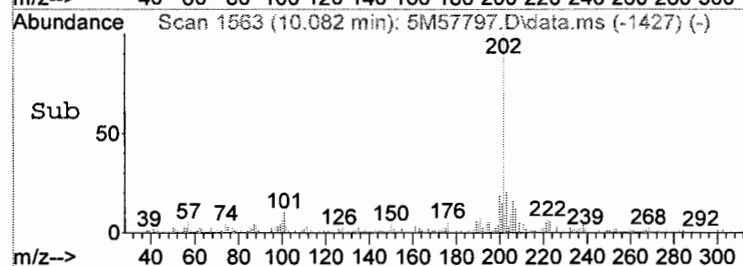
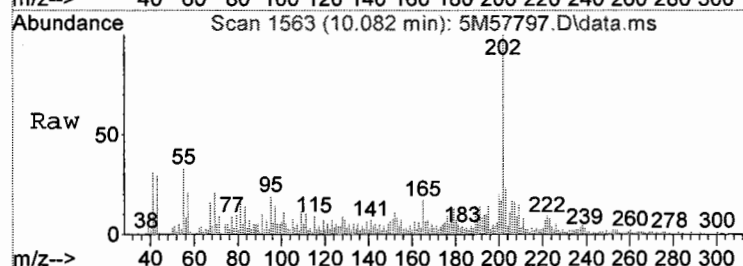
Tgt Ion	Ratio	Lower	Upper
178	100		
179	20.0	0.0	55.2
176	18.7	0.0	58.1





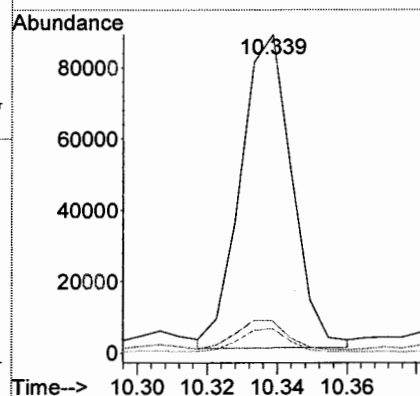
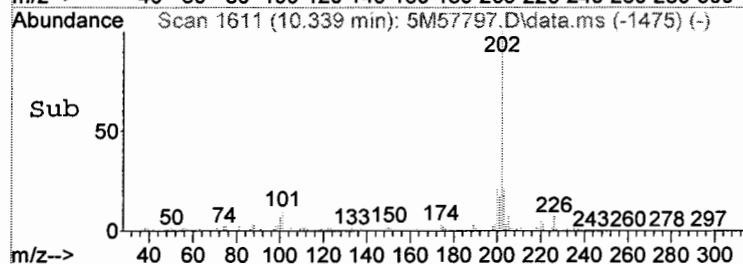
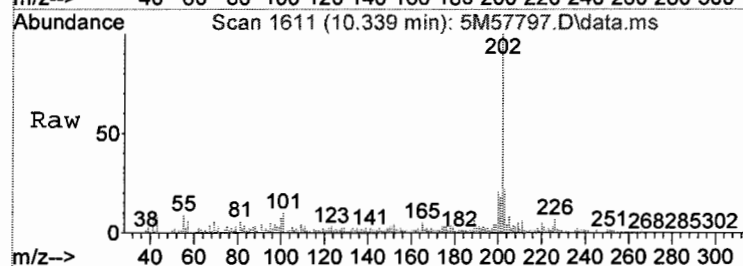
#86
Fluoranthene
Concen: 6.16 ng
RT: 10.082 min Scan# 1563
Delta R.T. -0.291 min
Lab File: 5M57797.D
Acq: 13 May 2010 00:01

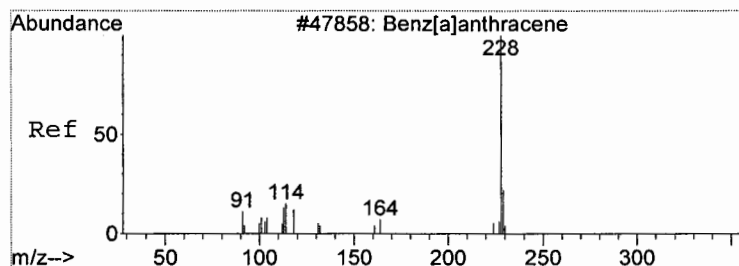
Tgt Ion: 202 Resp: 26984
Ion Ratio Lower Upper
202 100
101 8.9 0.0 57.6



#88
Pyrene
Concen: 23.53 ng
RT: 10.339 min Scan# 1611
Delta R.T. -0.291 min
Lab File: 5M57797.D
Acq: 13 May 2010 00:01

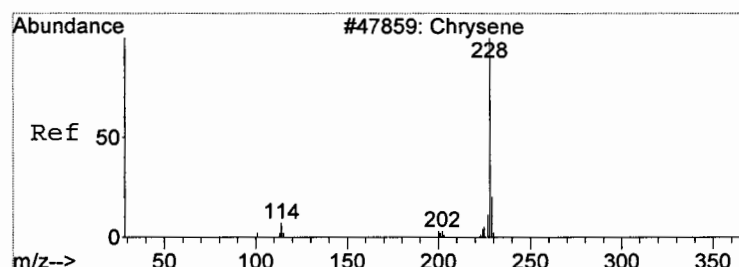
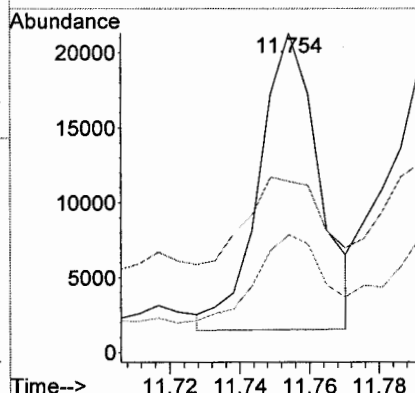
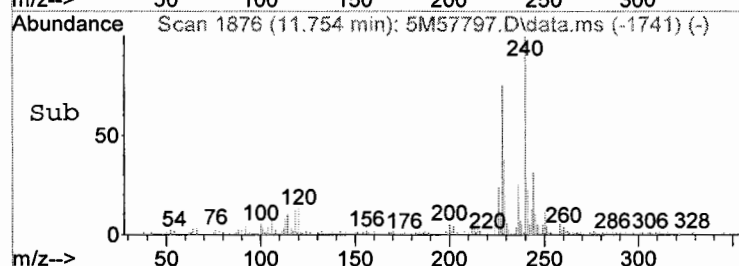
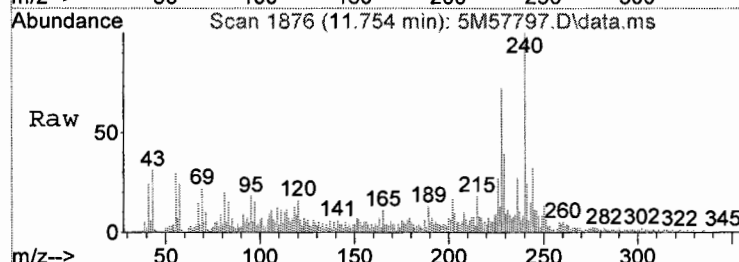
Tgt Ion: 202 Resp: 89575
Ion Ratio Lower Upper
202 100
101 9.5 0.0 62.2
100 7.6 0.0 57.8





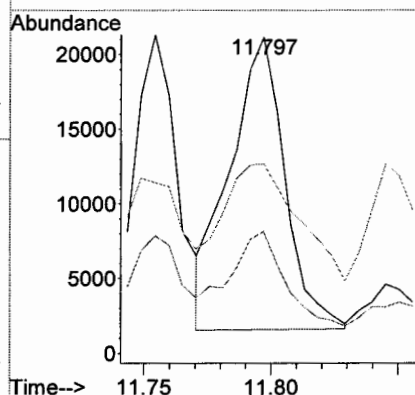
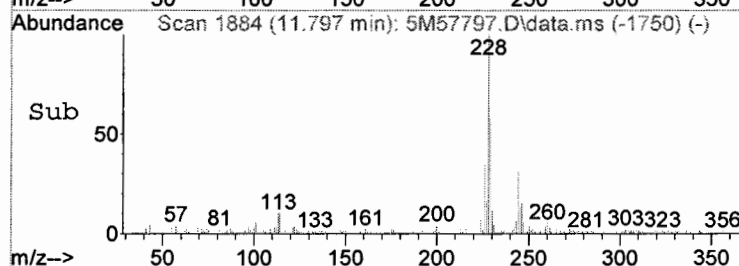
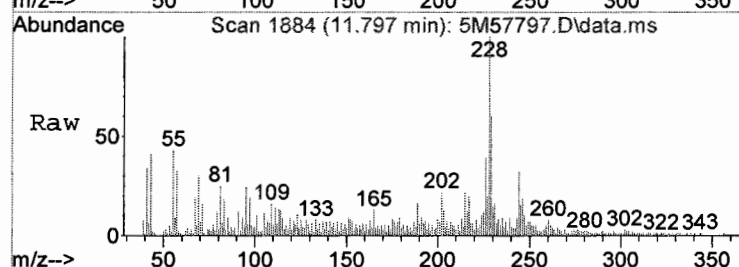
#99
Benzo[a]anthracene
Concen: 6.59 ng
RT: 11.754 min Scan# 1876
Delta R.T. -0.296 min
Lab File: 5M57797.D
Acq: 13 May 2010 00:01

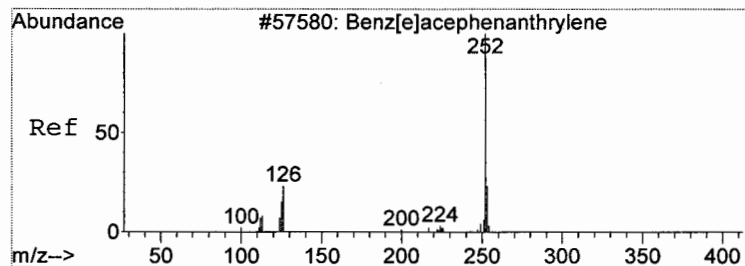
Tgt Ion: 228 Resp: 23593
Ion Ratio Lower Upper
228 100
229 29.5 0.0 59.5
226 30.6 0.0 66.0



#100
Chrysene
Concen: 9.42 ng
RT: 11.797 min Scan# 1884
Delta R.T. -0.301 min
Lab File: 5M57797.D
Acq: 13 May 2010 00:01

Tgt Ion: 228 Resp: 29761
Ion Ratio Lower Upper
228 100
226 33.0 9.5 49.5
229 40.7 0.0 60.2





#104

Benzo[b]fluoranthene

Concen: 2.79 ng m

RT: 12.978 min Scan# 2105

Delta R.T. -0.291 min

Lab File: 5M57797.D

Acq: 13 May 2010 00:01

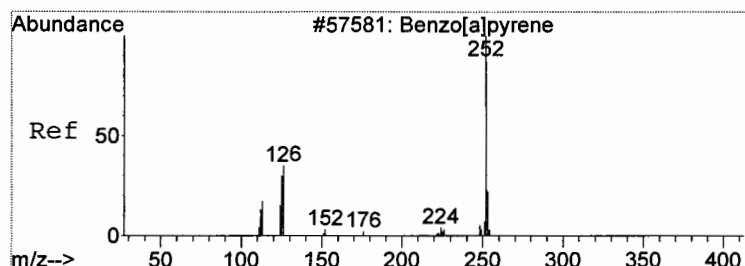
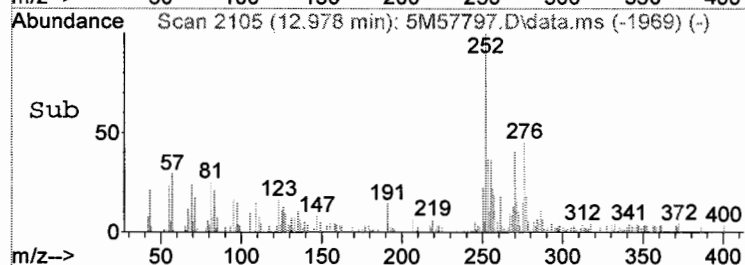
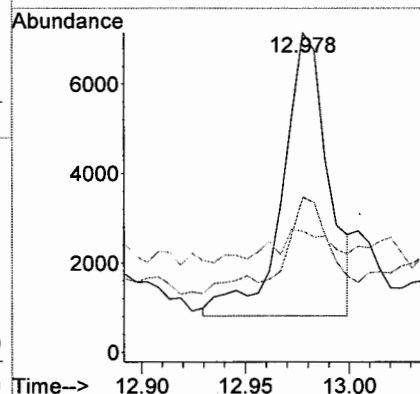
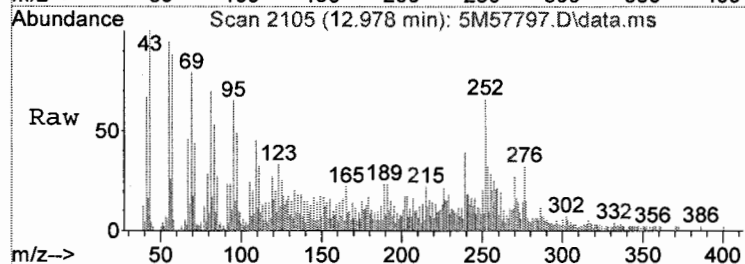
Tgt Ion: 252 Resp: 9631

Ion Ratio Lower Upper

252 100

253 48.5 0.0 62.3

125 37.9 0.0 58.4



#106

Benzo[a]pyrene

Concen: 3.68 ng

RT: 13.320 min Scan# 2169

Delta R.T. -0.291 min

Lab File: 5M57797.D

Acq: 13 May 2010 00:01

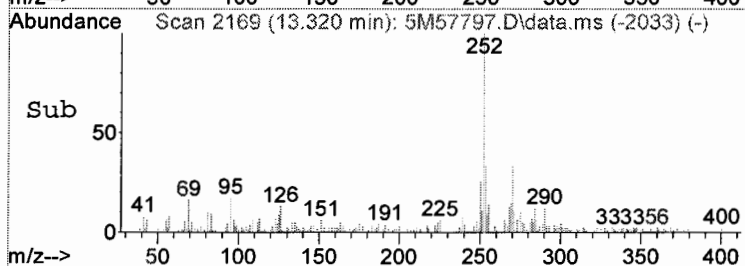
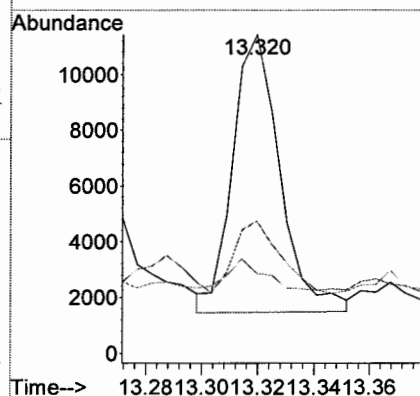
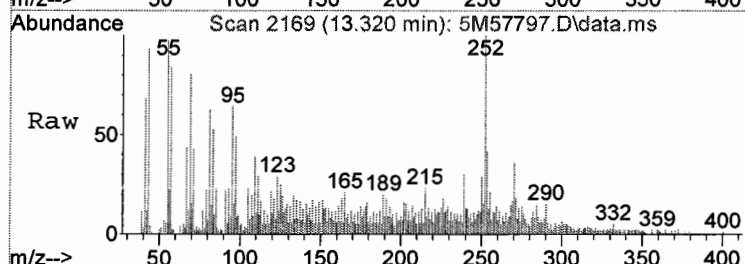
Tgt Ion: 252 Resp: 11604

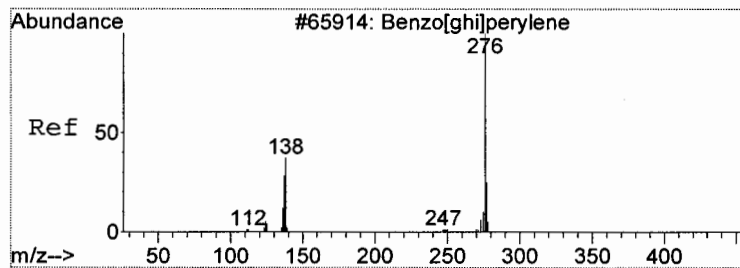
Ion Ratio Lower Upper

252 100

253 26.2 0.0 62.4

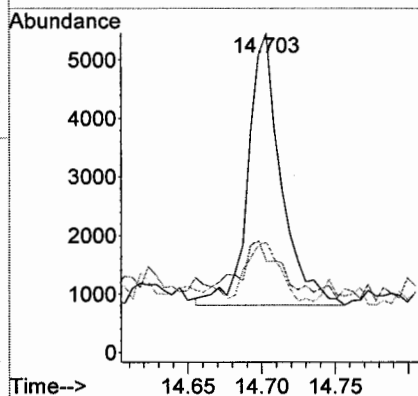
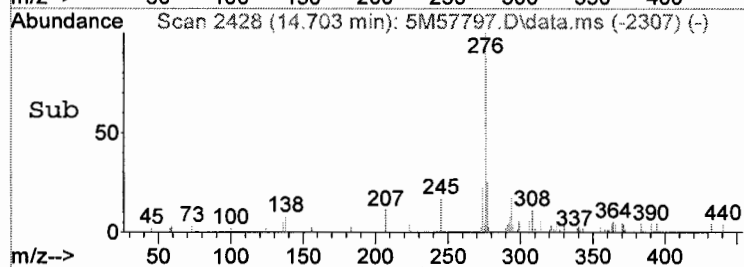
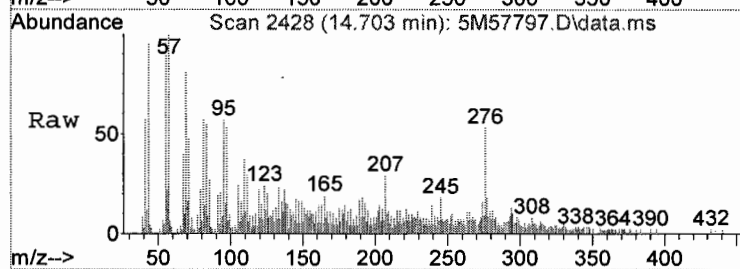
125 6.6 0.0 60.9





#109
Benzo[g,h,i]perylene
Concen: 2.93 ng
RT: 14.703 min Scan# 2428
Delta R.T. -0.366 min
Lab File: 5M57797.D
Acq: 13 May 2010 00:01

Tgt Ion	Ratio	Lower	Upper
276	100		
138	7.1	0.0	140.0
277	21.1	0.0	120.0



Data Path : G:\GcMsData\2010\GCMS_5\Data\05-1210\
 Data File : 5M57797.D
 Acq On : 13 May 2010 00:01
 Operator : AHD
 Sample : AC51387-002(20X)
 Misc : S,BNA:30
 ALS Vial : 29 Sample Multiplier: 1

Integration Parameters: LSCINT.P

Integrator: RTE
 Smoothing : OFF
 Sampling : 1
 Start Thrs: 0.05
 Stop Thrs : 0

Filtering: 5
 Min Area: 500 Area counts
 Max Peaks: 250
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 1

Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0430.M
 Title : @GCMS_5,mg,625,8270

Signal : TIC: 5M57797.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.239	272	282	296	rBV	571180	1100835	100.00%	5.313%
2	4.227	462	467	475	rBV6	2628	6014	0.55%	0.029%
3	4.345	483	489	494	rVB4	5781	8280	0.75%	0.040%
4	4.398	494	499	503	rBV4	2170	3366	0.31%	0.016%
5	4.590	530	535	538	rBV2	8008	8876	0.81%	0.043%
6	4.676	548	551	555	rBV3	3074	3656	0.33%	0.018%
7	4.719	555	559	563	rVV4	3481	5577	0.51%	0.027%
8	4.756	563	566	569	rVB3	3599	3555	0.32%	0.017%
9	4.815	574	577	582	rVB6	5550	8174	0.74%	0.039%
10	4.996	605	611	615	rBV6	3618	5239	0.48%	0.025%
11	5.034	615	618	622	rVV	248267	223312	20.29%	1.078%
12	5.060	622	623	628	rVV3	16810	14859	1.35%	0.072%
13	5.098	628	630	634	rVB4	4504	4869	0.44%	0.023%
14	5.157	638	641	643	rBV3	5620	6042	0.55%	0.029%
15	5.178	643	645	653	rVB4	9313	9936	0.90%	0.048%
16	5.253	656	659	661	rBV2	9262	7508	0.68%	0.036%
17	5.290	664	666	669	rVB4	5947	4386	0.40%	0.021%
18	5.317	669	671	674	rBV3	8221	9466	0.86%	0.046%
19	5.349	674	677	681	rVB5	14585	14118	1.28%	0.068%
20	5.381	681	683	687	rBV3	11390	10245	0.93%	0.049%
21	5.413	687	689	692	rVB4	3409	3649	0.33%	0.018%
22	5.440	692	694	696	rBV2	6587	6255	0.57%	0.030%
23	5.466	696	699	701	rVV2	7883	7468	0.68%	0.036%
24	5.493	701	704	705	rVV	16443	14415	1.31%	0.070%
25	5.509	705	707	712	rVV3	18640	22144	2.01%	0.107%
26	5.557	712	716	718	rVV3	7160	8609	0.78%	0.042%
27	5.584	718	721	724	rVB5	10941	9699	0.88%	0.047%
28	5.605	724	725	726	rBV	5931	3713	0.34%	0.018%
29	5.621	726	728	730	rVV3	7130	6903	0.63%	0.033%
30	5.659	730	735	737	rVV4	12878	16954	1.54%	0.082%
31	5.691	737	741	742	rVV2	17247	21838	1.98%	0.105%
32	5.701	742	743	747	rVV	17549	11831	1.07%	0.057%
33	5.739	747	750	753	rVV2	18377	15037	1.37%	0.073%
34	5.782	755	758	763	rBV4	33333	37112	3.37%	0.179%
35	5.819	763	765	768	rVV4	15606	12161	1.10%	0.059%

Data Path : G:\GcMsData\2010\GCMS_5\Data\05-1210\
 Data File : 5M57797.D
 Acq On : 13 May 2010 00:01
 Operator : AHD
 Sample : AC51387-002(20X)
 Misc : S,BNA:30
 ALS Vial : 29 Sample Multiplier: 1

Integration Parameters: LSCINT.P

Integrator: RTE
 Smoothing : OFF
 Sampling : 1
 Start Thrs: 0.05
 Stop Thrs : 0

Filtering: 5
 Min Area: 500 Area counts
 Max Peaks: 250
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 1

Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0430.M
 Title : @GCMS_5,mg,625,8270

36	5.846	768	770	773	rVB2	15448	13141	1.19%	0.063%
37	5.878	773	776	778	rBV2	32207	29878	2.71%	0.144%
38	5.904	778	781	784	rVB3	19148	14321	1.30%	0.069%
39	5.942	784	788	793	rVB5	13737	21244	1.93%	0.103%
40	5.985	793	796	799	rBV2	18008	22741	2.07%	0.110%
41	6.011	799	801	803	rVB2	11494	7096	0.64%	0.034%
42	6.070	803	812	815	rBV	477624	407064	36.98%	1.965%
43	6.091	815	816	818	rVV2	46469	35961	3.27%	0.174%
44	6.107	818	819	823	rVB2	42910	26564	2.41%	0.128%
45	6.140	823	825	830	rVB2	43424	42123	3.83%	0.203%
46	6.177	830	832	833	rVB2	9177	5720	0.52%	0.028%
47	6.193	833	835	837	rBV2	16801	9379	0.85%	0.045%
48	6.225	837	841	845	rBV5	37099	48536	4.41%	0.234%
49	6.257	845	847	849	rBV2	17677	14172	1.29%	0.068%
50	6.284	849	852	854	rBV2	43288	38104	3.46%	0.184%
51	6.300	854	855	857	rVB2	13425	7599	0.69%	0.037%
52	6.316	857	858	862	rVB4	16823	17536	1.59%	0.085%
53	6.348	862	864	866	rBV3	20575	17289	1.57%	0.083%
54	6.369	866	868	870	rVB2	24093	16572	1.51%	0.080%
55	6.407	870	875	878	rBV4	84516	87851	7.98%	0.424%
56	6.428	878	879	880	rVB	15391	4933	0.45%	0.024%
57	6.444	880	882	884	rBV3	23678	16320	1.48%	0.079%
58	6.481	884	889	891	rVV4	30926	32578	2.96%	0.157%
59	6.519	894	896	898	rBV3	14170	14907	1.35%	0.072%
60	6.546	898	901	903	rVV3	23917	26669	2.42%	0.129%
61	6.572	903	906	908	rVB4	15093	15534	1.41%	0.075%
62	6.604	910	912	917	rVB2	116173	91752	8.33%	0.443%
63	6.636	917	918	919	rBV	8352	4036	0.37%	0.019%
64	6.679	922	926	929	rBV	259521	204903	18.61%	0.989%
65	6.706	929	931	933	rVB2	34744	24019	2.18%	0.116%
66	6.738	933	937	938	rBV4	13546	14380	1.31%	0.069%
67	6.754	938	940	942	rVV2	23380	14672	1.33%	0.071%
68	6.781	942	945	947	rVB3	21401	17426	1.58%	0.084%
69	6.802	947	949	951	rBV2	35108	21776	1.98%	0.105%
70	6.845	951	957	962	rBV5	74815	86347	7.84%	0.417%
71	6.887	962	965	967	rBV4	17626	15269	1.39%	0.074%
72	6.914	968	970	972	rBV2	19460	14853	1.35%	0.072%
73	6.936	972	974	976	rBV3	37557	23976	2.18%	0.116%
74	6.957	976	978	979	rBV2	9703	7594	0.69%	0.037%
75	6.984	981	983	985	rVB	38948	26167	2.38%	0.126%

Data Path : G:\GcMsData\2010\GCMS_5\Data\05-1210\
 Data File : 5M57797.D
 Acq On : 13 May 2010 00:01
 Operator : AHD
 Sample : AC51387-002(20X)
 Misc : S,BNA:30
 ALS Vial : 29 Sample Multiplier: 1

Integration Parameters: LSCINT.P

Integrator: RTE
 Smoothing : OFF
 Sampling : 1
 Start Thrs: 0.05
 Stop Thrs : 0

Filtering: 5
 Min Area: 500 Area counts
 Max Peaks: 250
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 1

Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0430.M
 Title : @GCMS_5,mg,625,8270

76	7.005	985	987	988	rBV2	26582	15354	1.39%	0.074%
77	7.021	988	990	996	rVB	128724	144794	13.15%	0.699%
78	7.074	996	1000	1004	rBV	245127	266643	24.22%	1.287%
79	7.101	1004	1005	1008	rVB3	31860	19936	1.81%	0.096%
80	7.133	1008	1011	1013	rBV	402901	331623	30.12%	1.601%
81	7.155	1013	1015	1018	rVB2	198477	152124	13.82%	0.734%
82	7.192	1018	1022	1024	rBV2	57709	54446	4.95%	0.263%
83	7.224	1024	1028	1032	rVV	142796	152560	13.86%	0.736%
84	7.288	1035	1040	1044	rBV2	113351	123440	11.21%	0.596%
85	7.315	1044	1045	1048	rVB	31418	19409	1.76%	0.094%
86	7.374	1051	1056	1057	rBV5	27664	25356	2.30%	0.122%
87	7.400	1057	1061	1063	rVV	448440	348875	31.69%	1.684%
88	7.422	1063	1065	1067	rVV2	49881	37737	3.43%	0.182%
89	7.454	1070	1071	1074	rVB2	45513	28372	2.58%	0.137%
90	7.491	1074	1078	1082	rBV2	221420	263520	23.94%	1.272%
91	7.523	1082	1084	1088	rVB3	75620	68775	6.25%	0.332%
92	7.571	1088	1093	1097	rBV2	193273	247194	22.46%	1.193%
93	7.609	1097	1100	1102	rVV	187921	145144	13.18%	0.701%
94	7.630	1102	1104	1108	rVB3	71365	63263	5.75%	0.305%
95	7.673	1108	1112	1114	rBV	159048	147481	13.40%	0.712%
96	7.694	1114	1116	1120	rVB	137424	111488	10.13%	0.538%
97	7.748	1121	1126	1128	rBV2	129786	185423	16.84%	0.895%
98	7.764	1128	1129	1132	rVB2	93358	56982	5.18%	0.275%
99	7.796	1132	1135	1137	rBV3	13912	13240	1.20%	0.064%
100	7.822	1137	1140	1144	rVB4	70133	66933	6.08%	0.323%
101	7.865	1144	1148	1151	rBV3	128769	133479	12.13%	0.644%
102	7.892	1151	1153	1155	rVV2	125883	110906	10.07%	0.535%
103	7.924	1155	1159	1161	rVV3	96094	126543	11.50%	0.611%
104	7.945	1161	1163	1166	rVV2	97876	92950	8.44%	0.449%
105	7.983	1166	1170	1173	rVV4	98559	142897	12.98%	0.690%
106	8.009	1173	1175	1180	rVB3	89331	130273	11.83%	0.629%
107	8.052	1180	1183	1185	rBV4	30347	30099	2.73%	0.145%
108	8.095	1185	1191	1194	rVB4	65144	90794	8.25%	0.438%
109	8.127	1194	1197	1202	rVB4	87437	115633	10.50%	0.558%
110	8.175	1202	1206	1209	rBV4	48813	71907	6.53%	0.347%
111	8.212	1209	1213	1215	rVV	84590	78660	7.15%	0.380%
112	8.234	1215	1217	1221	rVB	79753	67686	6.15%	0.327%
113	8.282	1221	1226	1228	rBV2	95693	97278	8.84%	0.469%
114	8.303	1228	1230	1232	rVV2	33970	31741	2.88%	0.153%

Data Path : G:\GcMsData\2010\GCMS_5\Data\05-1210\
 Data File : 5M57797.D
 Acq On : 13 May 2010 00:01
 Operator : AHD
 Sample : AC51387-002(20X)
 Misc : S,BNA:30
 ALS Vial : 29 Sample Multiplier: 1

Integration Parameters: LSCINT.P

Integrator: RTE
 Smoothing : OFF
 Sampling : 1
 Start Thrs: 0.05
 Stop Thrs : 0

Filtering: 5
 Min Area: 500 Area counts
 Max Peaks: 250
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 1

Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0430.M
 Title : @GCMS_5,mg,625,8270

115	8.319	1232	1233	1236	rVB2	25661	22191	2.02%	0.107%
116	8.378	1240	1244	1247	rVB2	78671	92987	8.45%	0.449%
117	8.410	1247	1250	1254	rBV3	114708	156398	14.21%	0.755%
118	8.490	1263	1265	1267	rBV	44813	37168	3.38%	0.179%
119	8.522	1267	1271	1275	rVV4	56175	90937	8.26%	0.439%
120	8.576	1279	1281	1283	rBV2	21636	15881	1.44%	0.077%
121	8.597	1283	1285	1287	rVB3	23013	15238	1.38%	0.074%
122	8.624	1287	1290	1297	rBV4	70773	105386	9.57%	0.509%
123	8.677	1297	1300	1302	rBV3	31432	37309	3.39%	0.180%
124	8.704	1302	1305	1309	rVB	106326	116343	10.57%	0.562%
125	8.741	1309	1312	1313	rBV2	35949	31397	2.85%	0.152%
126	8.763	1313	1316	1319	rBV	408285	374789	34.05%	1.809%
127	8.789	1319	1321	1324	rVV	207116	160920	14.62%	0.777%
128	8.827	1324	1328	1329	rVV4	39900	49092	4.46%	0.237%
129	8.843	1329	1331	1335	rVB2	80583	68444	6.22%	0.330%
130	8.891	1335	1340	1343	rBV3	114914	159446	14.48%	0.770%
131	8.918	1343	1345	1347	rVV	60257	51057	4.64%	0.246%
132	8.944	1347	1350	1354	rVB3	74391	101628	9.23%	0.490%
133	8.982	1354	1357	1360	rBV3	23231	28124	2.55%	0.136%
134	9.019	1360	1364	1367	rVV3	44848	49833	4.53%	0.241%
135	9.072	1371	1374	1377	rVB3	62222	60069	5.46%	0.290%
136	9.110	1377	1381	1384	rBV2	217587	214900	19.52%	1.037%
137	9.137	1384	1386	1389	rVV3	42766	49212	4.47%	0.238%
138	9.163	1389	1391	1394	rVB4	35780	35351	3.21%	0.171%
139	9.201	1394	1398	1402	rBV	109268	134216	12.19%	0.648%
140	9.243	1402	1406	1410	rVB6	35433	41117	3.74%	0.198%
141	9.297	1410	1416	1419	rBV2	337112	375037	34.07%	1.810%
142	9.329	1419	1422	1428	rVB	329359	308413	28.02%	1.488%
143	9.382	1428	1432	1434	rBV	96912	95493	8.67%	0.461%
144	9.414	1434	1438	1440	rVV	242900	298779	27.14%	1.442%
145	9.441	1440	1443	1446	rVV2	198300	221433	20.12%	1.069%
146	9.468	1446	1448	1451	rVB2	20028	15284	1.39%	0.074%
147	9.516	1454	1457	1460	rBV2	52856	63449	5.76%	0.306%
148	9.553	1460	1464	1469	rVV	164491	178449	16.21%	0.861%
149	9.623	1469	1477	1479	rVV3	160397	218013	19.80%	1.052%
150	9.644	1479	1481	1482	rVV	138243	122641	11.14%	0.592%
151	9.660	1482	1484	1490	rVV2	142823	147729	13.42%	0.713%
152	9.703	1490	1492	1494	rVV	58899	54511	4.95%	0.263%
153	9.735	1494	1498	1501	rVV2	94097	144402	13.12%	0.697%

Data Path : G:\GcMsData\2010\GCMS_5\Data\05-1210\
 Data File : 5M57797.D
 Acq On : 13 May 2010 00:01
 Operator : AHD
 Sample : AC51387-002(20X)
 Misc : S,BNA:30
 ALS Vial : 29 Sample Multiplier: 1

Integration Parameters: LSCINT.P

Integrator: RTE
 Smoothing : OFF
 Sampling : 1
 Start Thrs: 0.05
 Stop Thrs : 0

Filtering: 5
 Min Area: 500 Area counts
 Max Peaks: 250
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 1

Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0430.M
 Title : @GCMS_5,mg,625,8270

154	9.767	1501	1504	1506	rVV2	109999	143166	13.01%	0.691%
155	9.794	1506	1509	1512	rVV	240684	297298	27.01%	1.435%
156	9.831	1512	1516	1519	rVV	261179	321811	29.23%	1.553%
157	9.858	1519	1521	1525	rVB	123892	114184	10.37%	0.551%
158	9.911	1526	1531	1534	rBV	572073	603568	54.83%	2.913%
159	9.943	1534	1537	1541	rVV2	174014	245600	22.31%	1.185%
160	9.975	1541	1543	1545	rVB	138596	91820	8.34%	0.443%
161	10.007	1545	1549	1554	rVB3	142550	174245	15.83%	0.841%
162	10.055	1554	1558	1560	rBV	138309	139110	12.64%	0.671%
163	10.082	1560	1563	1566	rVB2	71171	74158	6.74%	0.358%
164	10.114	1566	1569	1572	rBV3	78714	93316	8.48%	0.450%
165	10.146	1572	1575	1580	rVB4	139413	201317	18.29%	0.972%
166	10.184	1580	1582	1583	rBV2	27961	22043	2.00%	0.106%
167	10.232	1589	1591	1593	rBV	34150	24210	2.20%	0.117%
168	10.280	1596	1600	1602	rBV2	93879	125857	11.43%	0.607%
169	10.307	1602	1605	1607	rVV3	111713	117336	10.66%	0.566%
170	10.339	1607	1611	1618	rVV2	232366	315216	28.63%	1.521%
171	10.392	1618	1621	1625	rVB	176388	198295	18.01%	0.957%
172	10.435	1625	1629	1633	rBV	295293	323821	29.42%	1.563%
173	10.467	1633	1635	1637	rVB3	21631	14276	1.30%	0.069%
174	10.493	1637	1640	1643	rBV2	101226	117602	10.68%	0.568%
175	10.520	1643	1645	1646	rVV	60783	49857	4.53%	0.241%
176	10.542	1646	1649	1657	rVB6	93982	157889	14.34%	0.762%
177	10.606	1657	1661	1663	rBV3	77802	89855	8.16%	0.434%
178	10.632	1663	1666	1672	rVB5	70390	95885	8.71%	0.463%
179	10.680	1672	1675	1678	rBV3	41780	53629	4.87%	0.259%
180	10.713	1678	1681	1683	rVV4	71296	79250	7.20%	0.382%
181	10.734	1683	1685	1690	rVB3	109940	123221	11.19%	0.595%
182	10.793	1690	1696	1697	rBV5	50244	72689	6.60%	0.351%
183	10.814	1697	1700	1702	rVB3	51059	44687	4.06%	0.216%
184	10.851	1704	1707	1710	rBV	140664	154789	14.06%	0.747%
185	10.921	1718	1720	1723	rVB2	27907	25403	2.31%	0.123%
186	10.958	1723	1727	1730	rVV	160249	141043	12.81%	0.681%
187	10.990	1730	1733	1739	rVB	100245	123994	11.26%	0.598%
188	11.038	1739	1742	1744	rBV4	54981	59438	5.40%	0.287%
189	11.065	1744	1747	1749	rVV	73688	70013	6.36%	0.338%
190	11.086	1749	1751	1754	rVB	31953	25010	2.27%	0.121%
191	11.124	1754	1758	1760	rVB4	36620	39226	3.56%	0.189%
192	11.156	1760	1764	1765	rBV3	24551	24376	2.21%	0.118%

Data Path : G:\GcMSData\2010\GCMS_5\Data\05-1210\
 Data File : 5M57797.D
 Acq On : 13 May 2010 00:01
 Operator : AHD
 Sample : AC51387-002(20X)
 Misc : S,BNA:30
 ALS Vial : 29 Sample Multiplier: 1

Integration Parameters: LSCINT.P

Integrator: RTE
 Smoothing : OFF
 Sampling : 1
 Start Thrs: 0.05
 Stop Thrs : 0

Filtering: 5
 Min Area: 500 Area counts
 Max Peaks: 250
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 1

Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0430.M
 Title : @GCMS_5,mg,625,8270

193	11.177	1765	1768	1771	rBV4	53977	53617	4.87%	0.259%
194	11.225	1774	1777	1779	rBV3	37223	35212	3.20%	0.170%
195	11.257	1779	1783	1786	rVB4	59452	73010	6.63%	0.352%
196	11.311	1790	1793	1796	rBV3	62755	78615	7.14%	0.379%
197	11.338	1796	1798	1803	rVV3	54372	63833	5.80%	0.308%
198	11.380	1803	1806	1809	rVB2	53843	57656	5.24%	0.278%
199	11.412	1809	1812	1815	rVB	71494	58696	5.33%	0.283%
200	11.455	1815	1820	1823	rBV2	101675	130748	11.88%	0.631%
201	11.482	1823	1825	1832	rVB	70190	71048	6.45%	0.343%
202	11.546	1832	1837	1842	rBV4	57228	117389	10.66%	0.567%
203	11.589	1842	1845	1849	rVB3	47589	52350	4.76%	0.253%
204	11.626	1849	1852	1856	rVB4	52770	61524	5.59%	0.297%
205	11.695	1856	1865	1868	rBV8	68959	156785	14.24%	0.757%
206	11.760	1871	1877	1881	rBV2	301933	373050	33.89%	1.800%
207	11.797	1881	1884	1890	rVB3	77991	110799	10.06%	0.535%
208	11.845	1890	1893	1895	rBV2	46198	47317	4.30%	0.228%
209	11.877	1896	1899	1905	rVB4	82377	112934	10.26%	0.545%
210	11.931	1905	1909	1911	rBV5	30131	42709	3.88%	0.206%
211	11.963	1911	1915	1922	rVB5	57372	87636	7.96%	0.423%
212	12.037	1927	1929	1930	rBV2	20748	14684	1.33%	0.071%
213	12.059	1931	1933	1934	rVV2	14823	12289	1.12%	0.059%
214	12.118	1941	1944	1946	rVB2	25404	21473	1.95%	0.104%
215	12.203	1956	1960	1961	rBV3	35062	38776	3.52%	0.187%
216	12.246	1965	1968	1972	rVB2	69031	64110	5.82%	0.309%
217	12.283	1972	1975	1980	rVB3	64932	80215	7.29%	0.387%
218	12.321	1980	1982	1986	rBV5	27100	30742	2.79%	0.148%
219	12.390	1991	1995	1996	rBV3	42327	39676	3.60%	0.191%
220	12.561	2023	2027	2030	rVB6	34166	43666	3.97%	0.211%
221	12.646	2040	2043	2046	rBV3	62368	85160	7.74%	0.411%
222	12.711	2051	2055	2059	rBV	48432	70315	6.39%	0.339%
223	12.748	2059	2062	2067	rVB2	65909	80569	7.32%	0.389%
224	12.823	2073	2076	2079	rBV3	43902	54229	4.93%	0.262%
225	12.855	2080	2082	2086	rVV5	26407	31940	2.90%	0.154%
226	12.940	2096	2098	2100	rBV2	22855	21492	1.95%	0.104%
227	13.047	2116	2118	2120	rBV3	22985	16942	1.54%	0.082%
228	13.202	2144	2147	2152	rBV5	27003	40945	3.72%	0.198%
229	13.261	2155	2158	2160	rBV	31953	27275	2.48%	0.132%
230	13.325	2166	2170	2173	rVB3	28118	36413	3.31%	0.176%
231	13.368	2174	2178	2184	rVV	300389	332094	30.17%	1.603%

Data Path : G:\GcMsData\2010\GCMS_5\Data\05-1210\
Data File : 5M57797.D
Acq On : 13 May 2010 00:01
Operator : AHD
Sample : AC51387-002(20X)
Misc : S,BNA:30
ALS Vial : 29 Sample Multiplier: 1

Integration Parameters: LSCINT.P

Integrator: RTE
Smoothing : OFF
Sampling : 1
Start Thrs: 0.05
Stop Thrs : 0

Filtering: 5
Min Area: 500 Area counts
Max Peaks: 250
Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 1

Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0430.M
Title : @GCMS_5,mg,625,8270

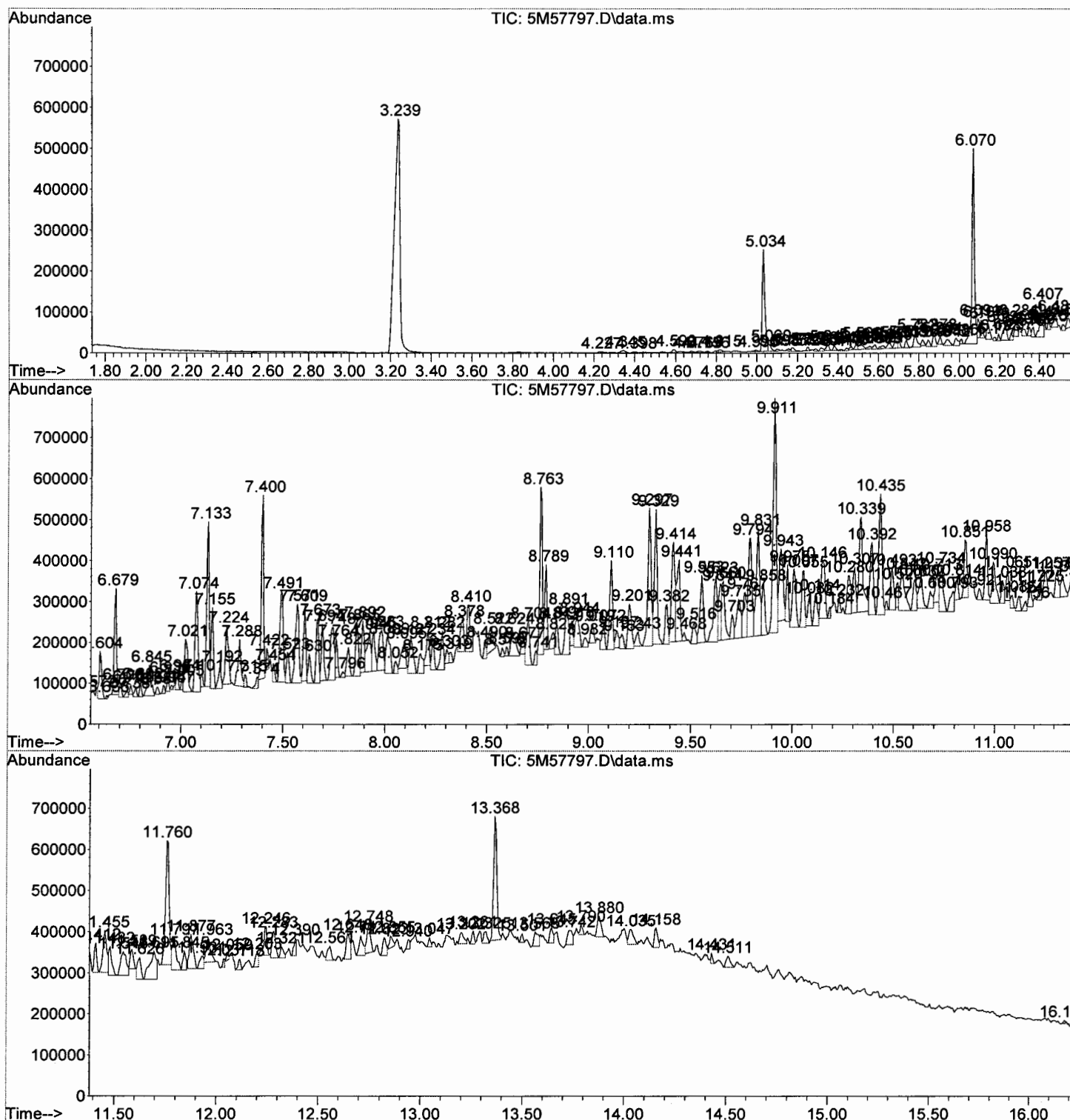
232	13.501	2200	2203	2205	rBV3	20058	15941	1.45%	0.077%
233	13.565	2212	2215	2219	rBV6	34611	55705	5.06%	0.269%
234	13.645	2226	2230	2232	rBV3	36657	42988	3.91%	0.207%
235	13.742	2243	2248	2250	rBV5	34393	61869	5.62%	0.299%
236	13.790	2255	2257	2261	rVB5	23659	20393	1.85%	0.098%
237	13.880	2270	2274	2278	rVB5	49325	66204	6.01%	0.320%
238	14.035	2300	2303	2309	rVB5	35931	56743	5.15%	0.274%
239	14.158	2323	2326	2329	rBV6	47633	54985	4.99%	0.265%
240	14.431	2376	2377	2380	rVB3	25011	13020	1.18%	0.063%
241	14.511	2389	2392	2398	rVB8	27096	38964	3.54%	0.188%
242	16.178	2702	2704	2705	rBV2	7806	5410	0.49%	0.026%

Sum of corrected areas: 20719785

Data Path : G:\GcMsData\2010\GCMS_5\Data\05-1210\
Data File : 5M57797.D
Acq On : 13 May 2010 00:01
Operator : AHD
Sample : AC51387-002 (20X)
Misc : S,BNA:30
ALS Vial : 29 Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0430.M
Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P



Data Path : G:\GcMsData\2010\GCMS_5\Data\05-1210\
Data File : 5M57797.D
Acq On : 13 May 2010 00:01
Operator : AHD
Sample : AC51387-002(20X)
Misc : S,BNA:30
ALS Vial : 29 Sample Multiplier: 1

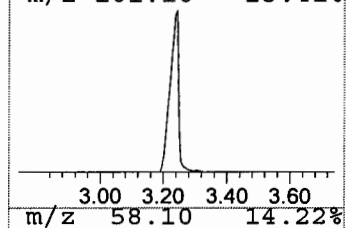
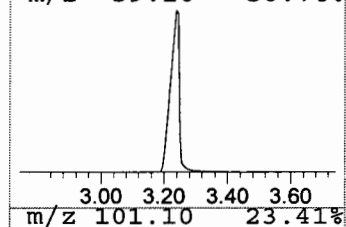
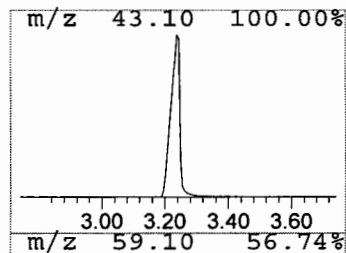
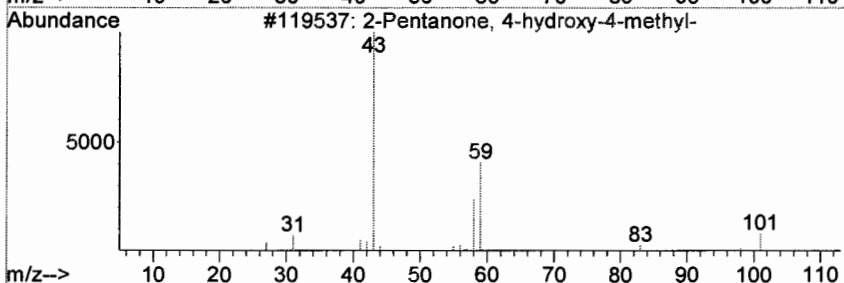
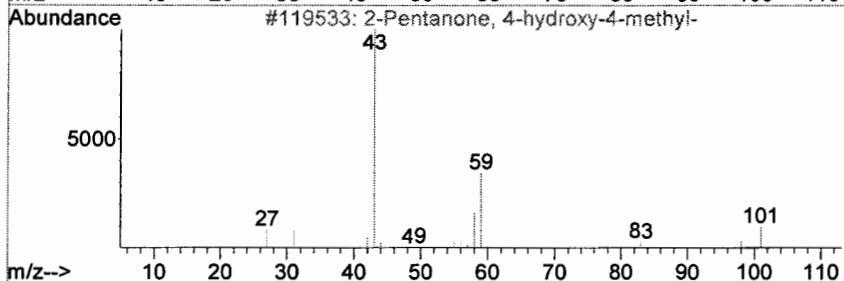
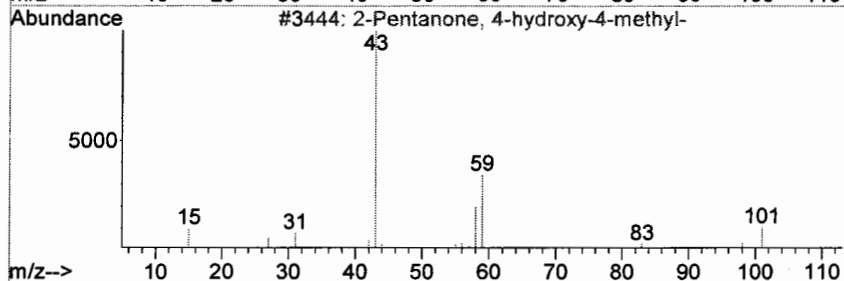
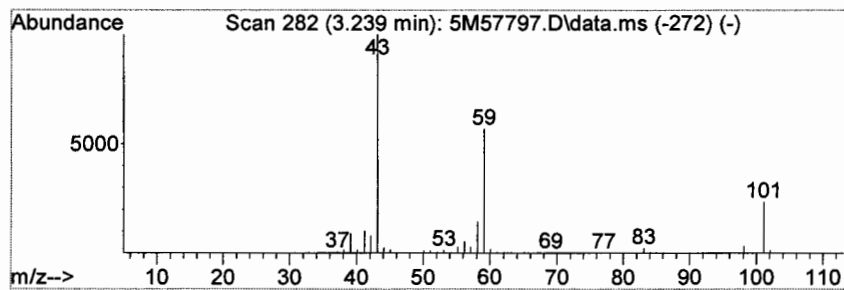
Quant Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0430.M
Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.24	183.22 ng	1100835	LibIS-1,4-Dichlorobenzene-d4	5.03

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
3			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
4			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	38
5			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	38



Data Path : G:\GcMsData\2010\GCMS_5\Data\05-1210\
Data File : 5M57797.D
Acq On : 13 May 2010 00:01
Operator : AHD
Sample : AC51387-002(20X)
Misc : S,BNA:30
ALS Vial : 29 Sample Multiplier: 1

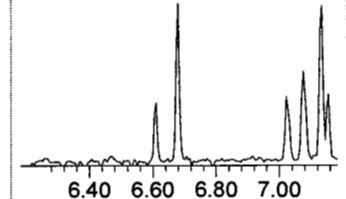
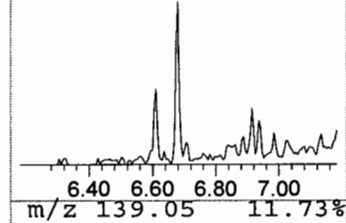
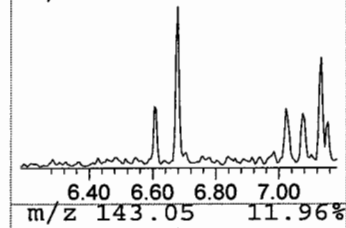
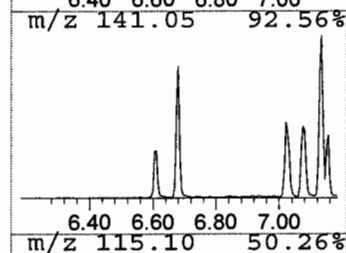
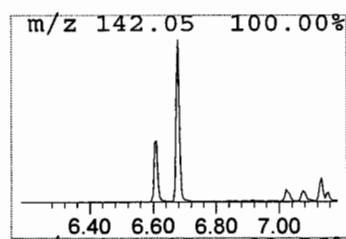
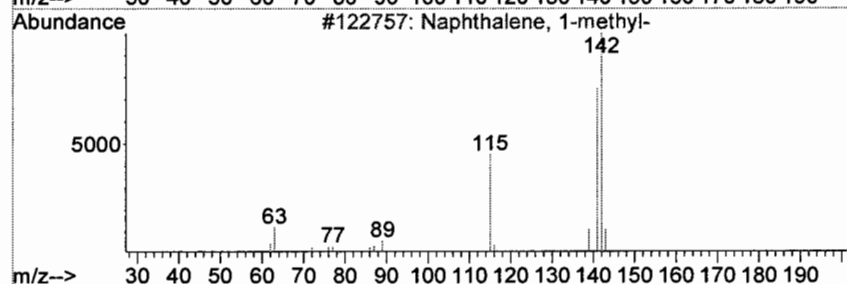
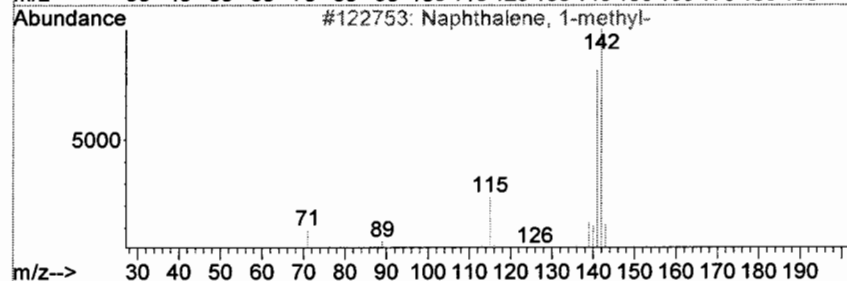
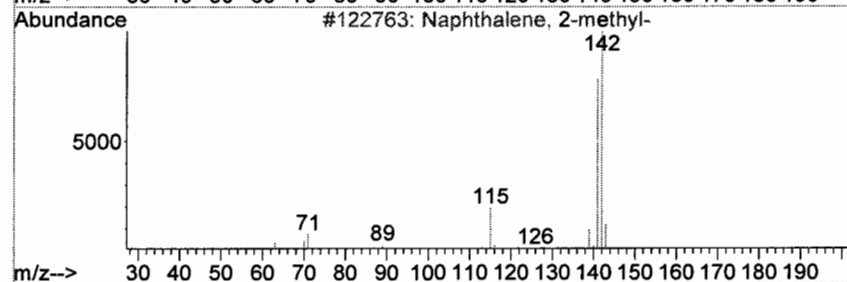
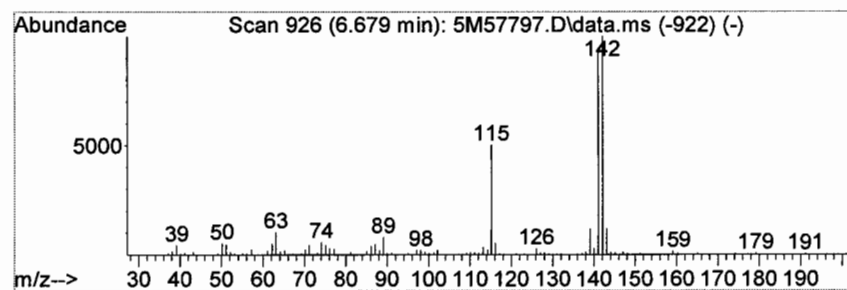
Quant Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0430.M
Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Naphthalene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.68	25.45 ng	204903	LibIS-Naphthalene-d8	6.07

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2-methyl-	142	C11H10	000091-57-6	94
2			Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
3			Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
4			Naphthalene, 1-methyl-	142	C11H10	000090-12-0	93
5			Naphthalene, 1-methyl-	142	C11H10	000090-12-0	93



Data Path : G:\GCMSData\2010\GCMS_5\Data\05-1210\
Data File : 5M57797.D
Acq On : 13 May 2010 00:01
Operator : AHD
Sample : AC51387-002(20X)
Misc : S,BNA:30
ALS Vial : 29 Sample Multiplier: 1

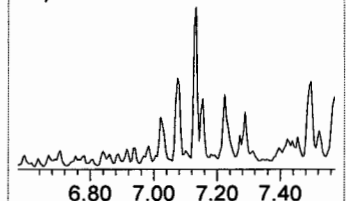
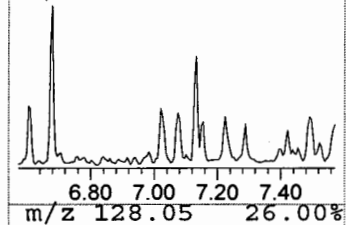
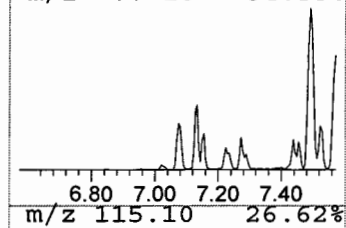
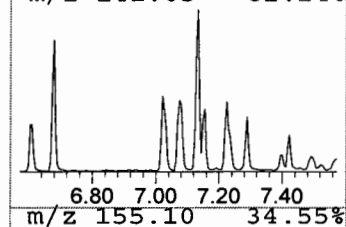
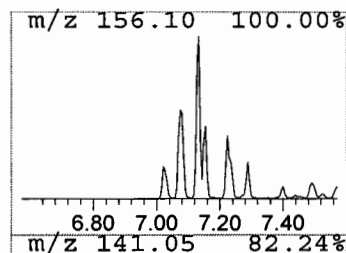
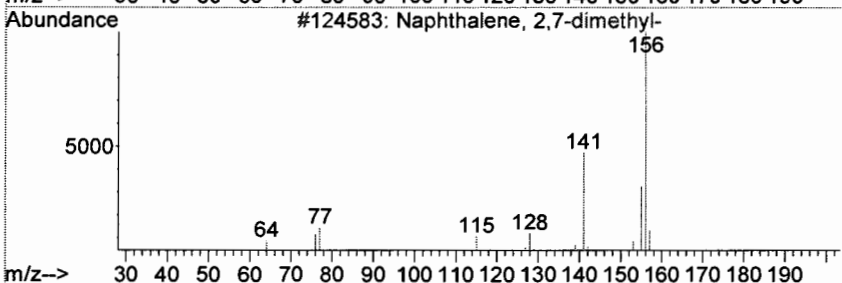
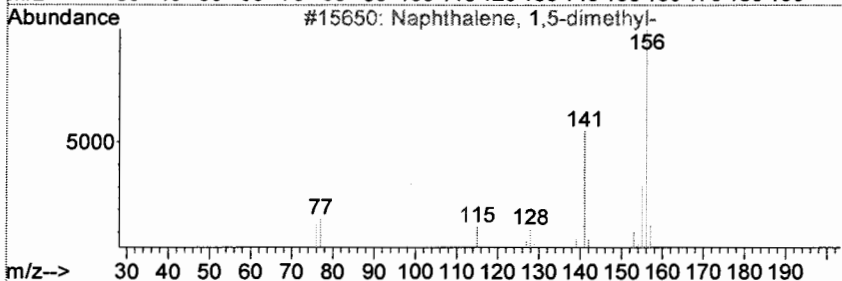
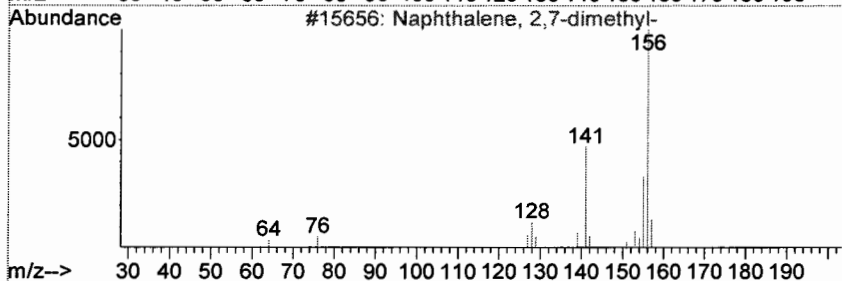
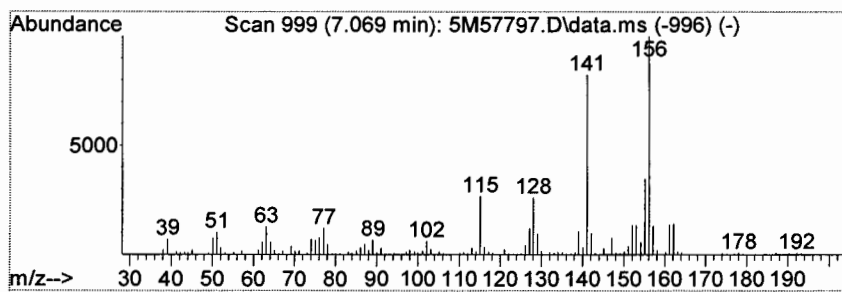
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Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Naphthalene, 2,7-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.07	30.44 ng	266643	LibIS-Acenaphthene-d10	7.40

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95
2			Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	95
3			Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95
4			Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	95
5			Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95



Data Path : G:\GcMsData\2010\GCMS_5\Data\05-1210\
Data File : 5M57797.D
Acq On : 13 May 2010 00:01
Operator : AHD
Sample : AC51387-002(20X)
Misc : S,BNA:30
ALS Vial : 29 Sample Multiplier: 1

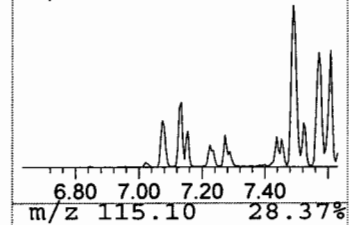
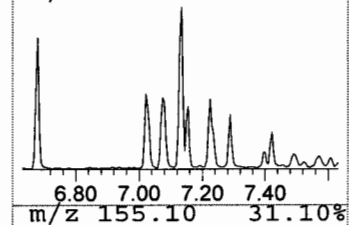
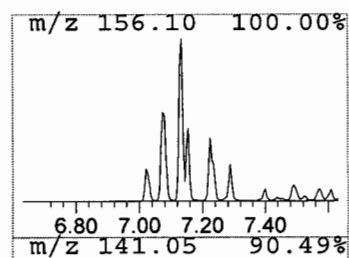
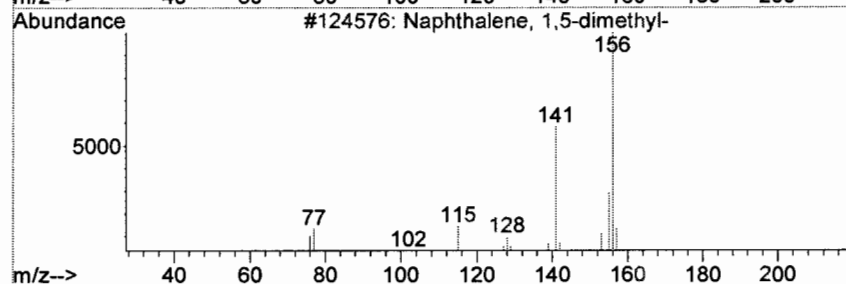
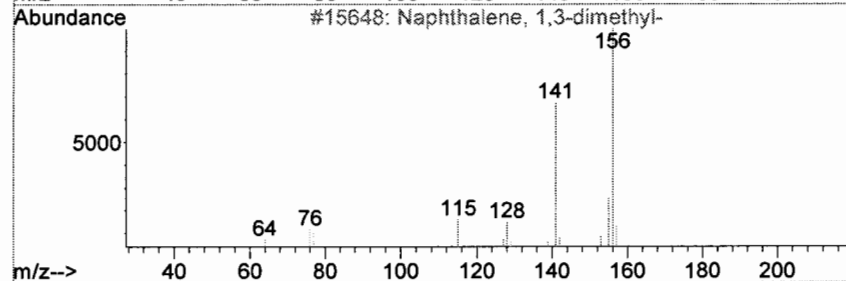
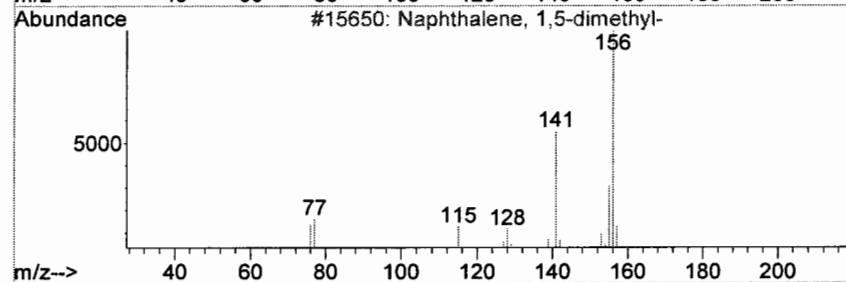
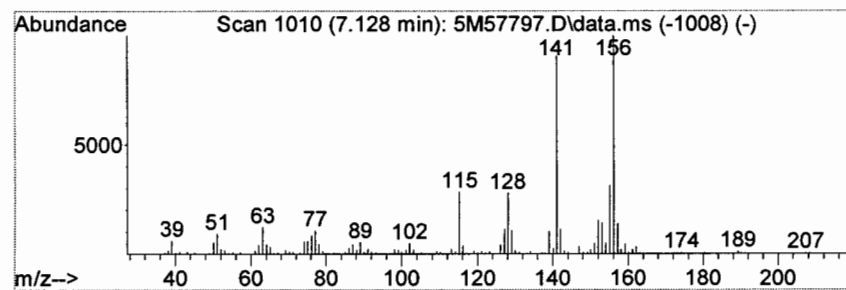
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Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Naphthalene, 1,5-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.13	37.86 ng	331623	LibIS-Acenaphthene-d10	7.40

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	98
2			Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
3			Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	96
4			Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95
5			Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95



Data Path : G:\GCMSData\2010\GCMS_5\Data\05-1210\
Data File : 5M57797.D
Acq On : 13 May 2010 00:01
Operator : AHD
Sample : AC51387-002(20X)
Misc : S,BNA:30
ALS Vial : 29 Sample Multiplier: 1

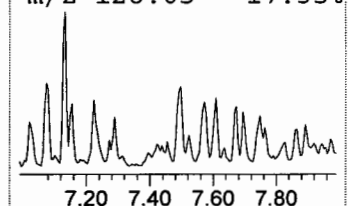
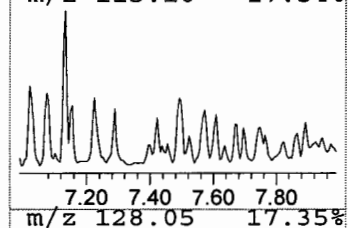
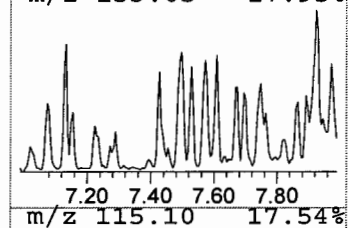
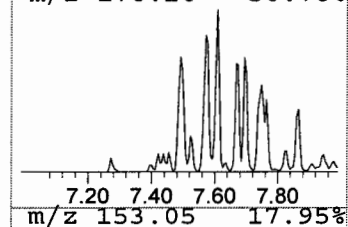
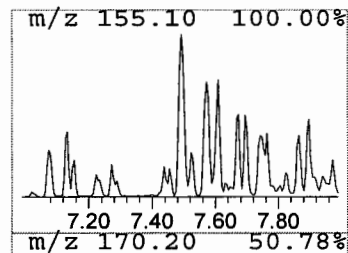
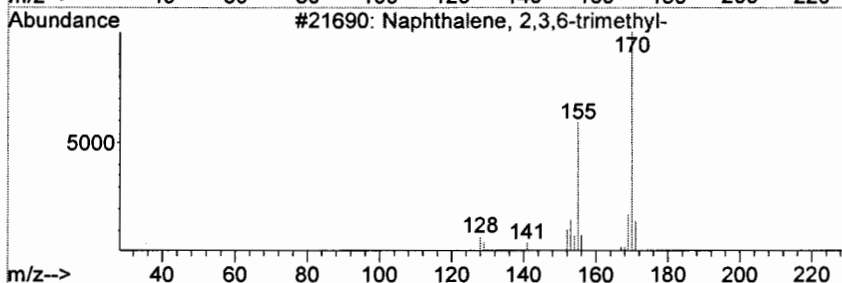
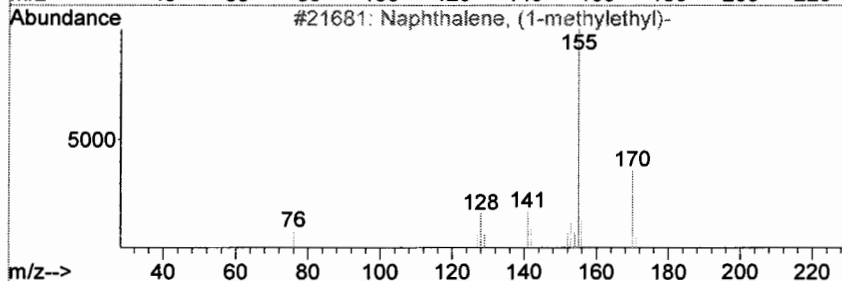
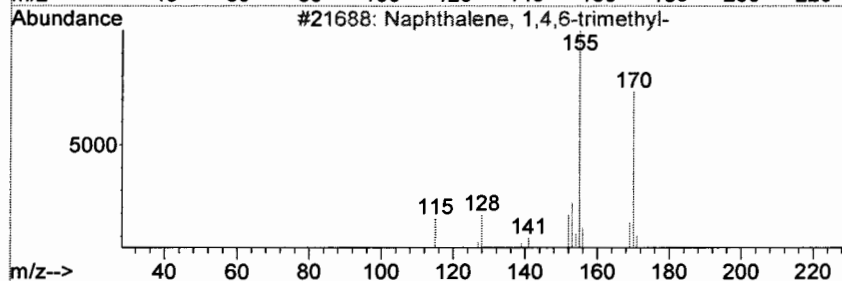
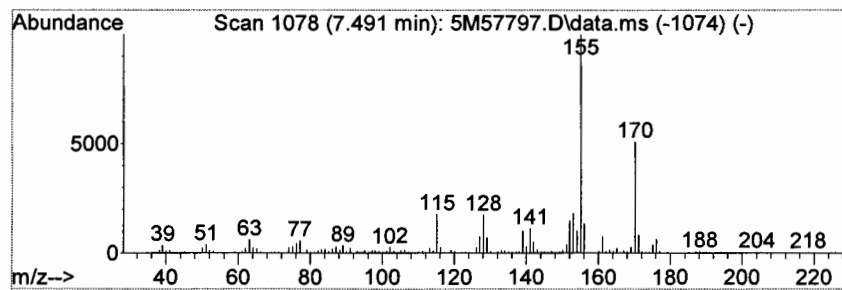
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Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Naphthalene, 1,4,6-trimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.49	30.09 ng	263520	LibIS-Acenaphthene-d10	7.40

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	95
2			Naphthalene, (1-methylethyl)-	170	C13H14	029253-36-9	91
3			Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	90
4			Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	90
5			Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	90



Data Path : G:\GcMsData\2010\GCMS_5\Data\05-1210\
Data File : 5M57797.D
Acq On : 13 May 2010 00:01
Operator : AHD
Sample : AC51387-002(20X)
Misc : S,BNA:30
ALS Vial : 29 Sample Multiplier: 1

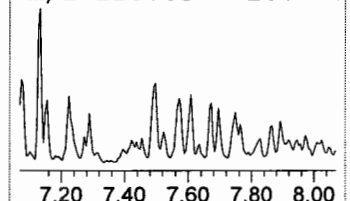
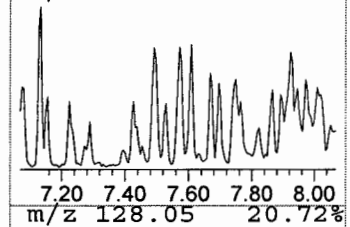
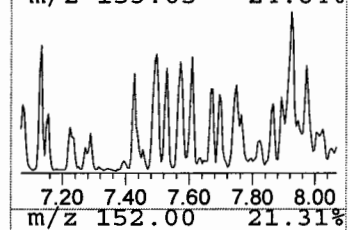
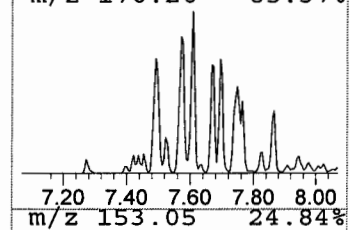
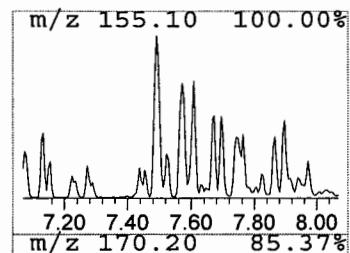
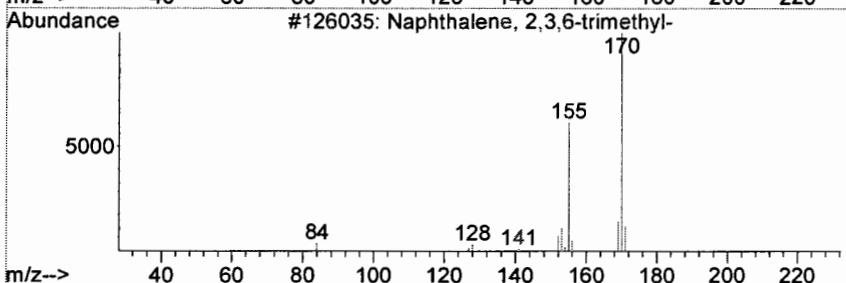
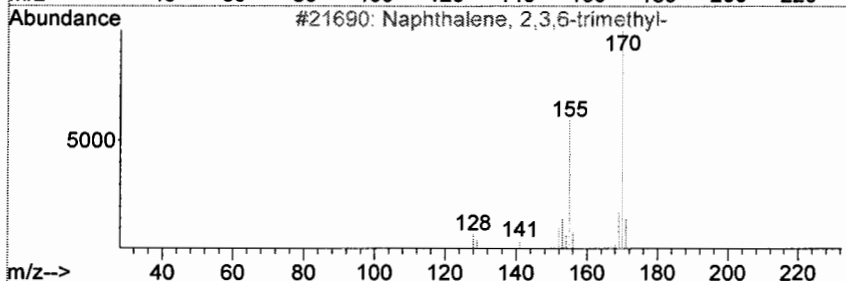
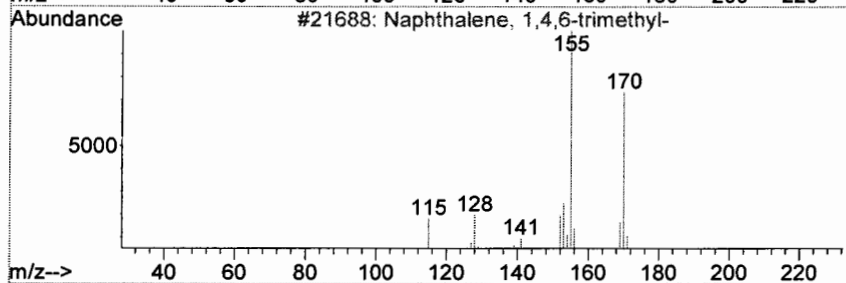
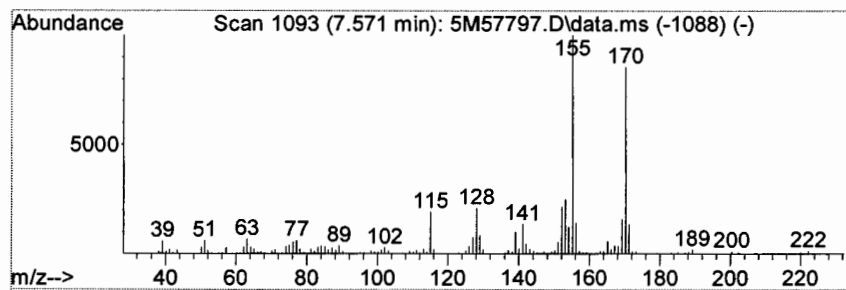
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Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 Naphthalene, 1,4,6-trimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.57	28.22 ng	247194	LibIS-Acenaphthene-d10	7.40

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	98
2			Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
3			Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	96
4			Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	94
5			AZULENE, 2,4,6-TRIMETHYL-	170	C13H14	000000-00-0	94



Data Path : G:\GCMSData\2010\GCMS_5\Data\05-1210\
Data File : 5M57797.D
Acq On : 13 May 2010 00:01
Operator : AHD
Sample : AC51387-002(20X)
Misc : S,BNA:30
ALS Vial : 29 Sample Multiplier: 1

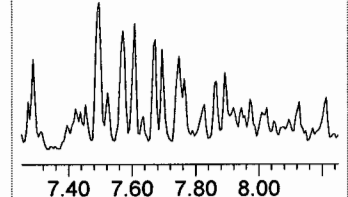
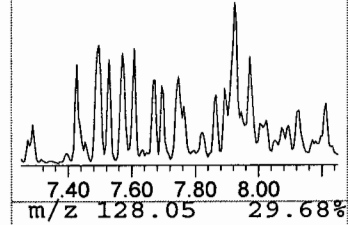
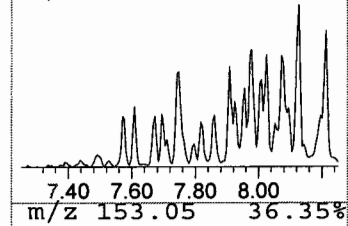
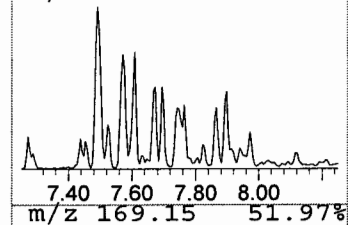
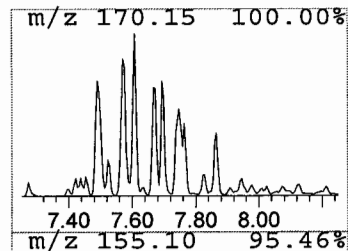
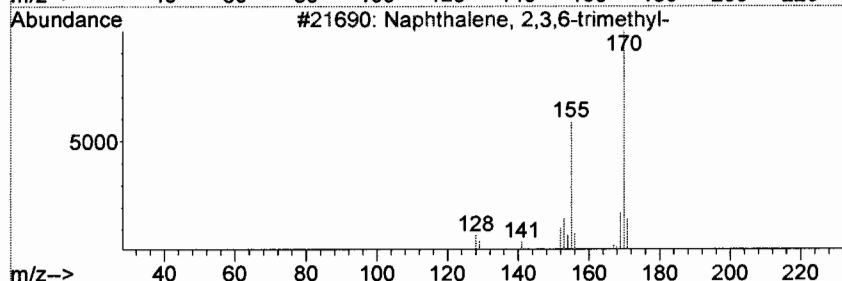
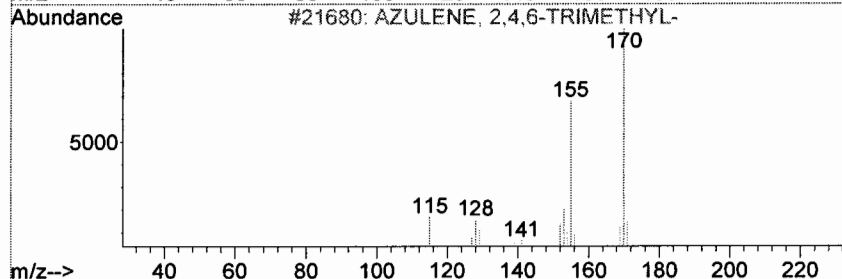
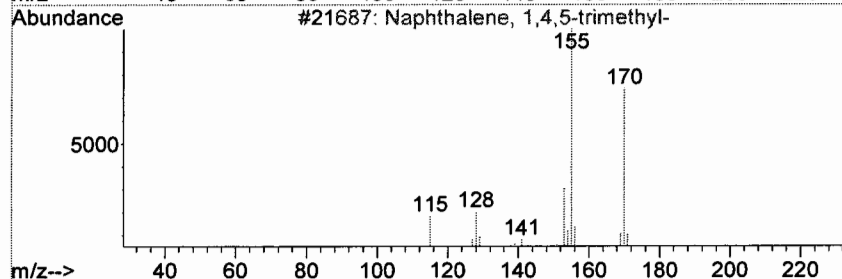
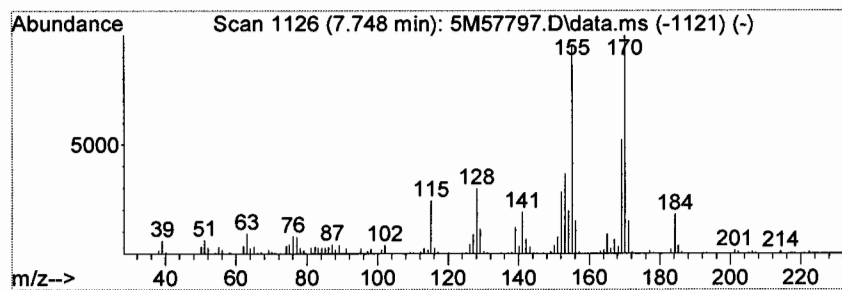
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Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 Naphthalene, 1,4,5-trimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.75	21.17 ng	185423	LibIS-Acenaphthene-d10	7.40

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	94
2			AZULENE, 2,4,6-TRIMETHYL-	170	C13H14	000000-00-0	87
3			Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	81
4			Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	81
5			Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	76



Data Path : G:\GCMSData\2010\GCMS_5\Data\05-1210\
Data File : 5M57797.D
Acq On : 13 May 2010 00:01
Operator : AHD
Sample : AC51387-002 (20X)
Misc : S,BNA:30
ALS Vial : 29 Sample Multiplier: 1

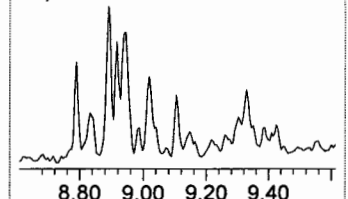
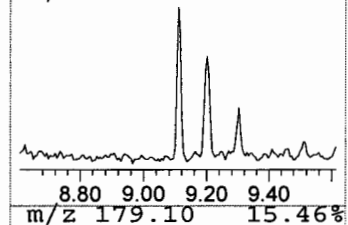
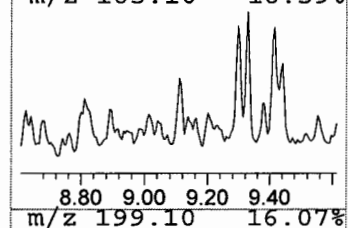
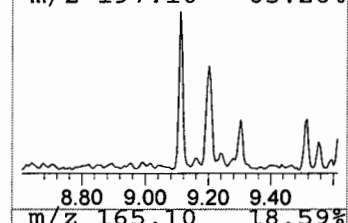
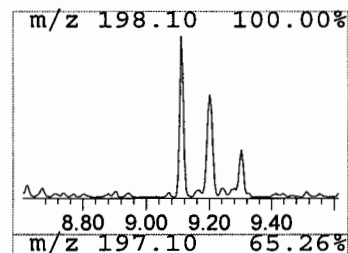
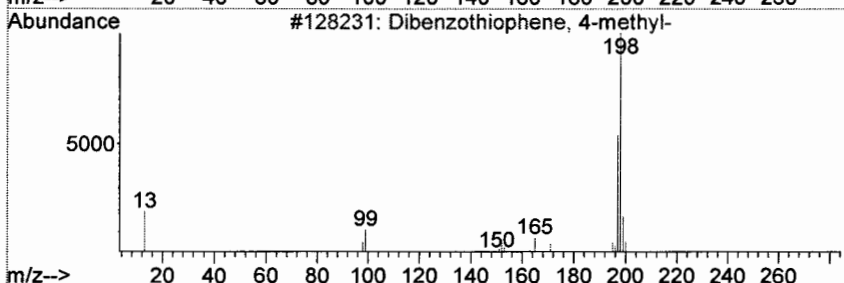
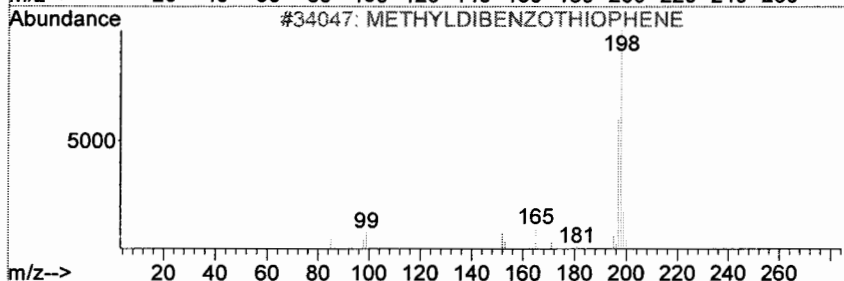
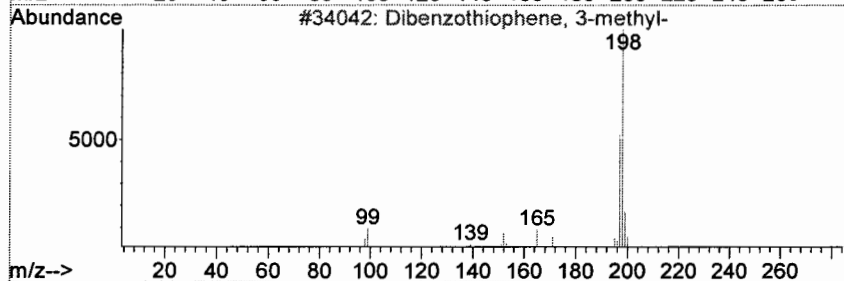
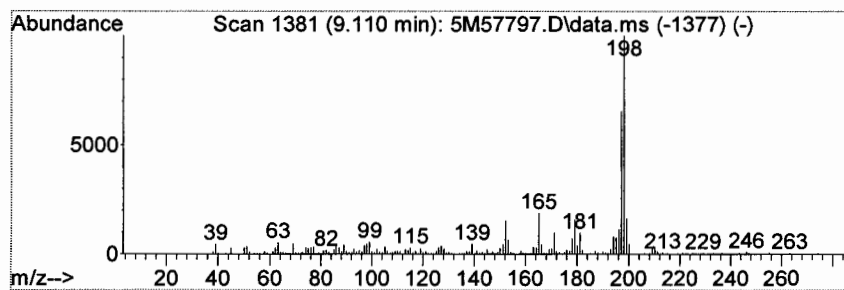
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Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 Dibenzothiophene, 3-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.11	22.46 ng	214900	LibIS-Phenanthrene-d10	8.76

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	95
2			METHYLDIBENZOTHIOPHENE	198	C13H10S	030995-64-3	95
3			Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	81
4			Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	81
5			Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	68



Data Path : G:\GcMsData\2010\GCMS_5\Data\05-1210\
Data File : 5M57797.D
Acq On : 13 May 2010 00:01
Operator : AHD
Sample : AC51387-002(20X)
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ALS Vial : 29 Sample Multiplier: 1

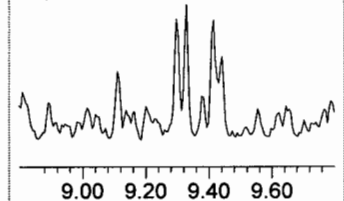
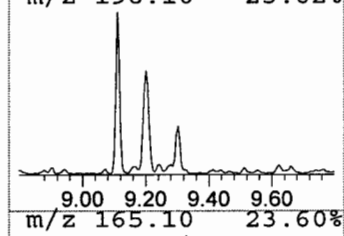
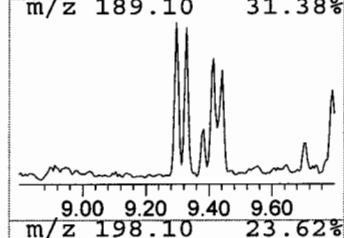
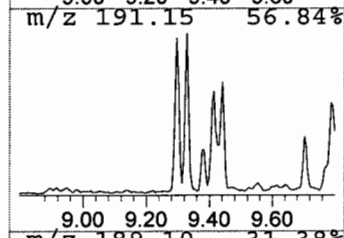
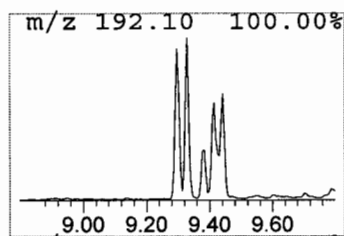
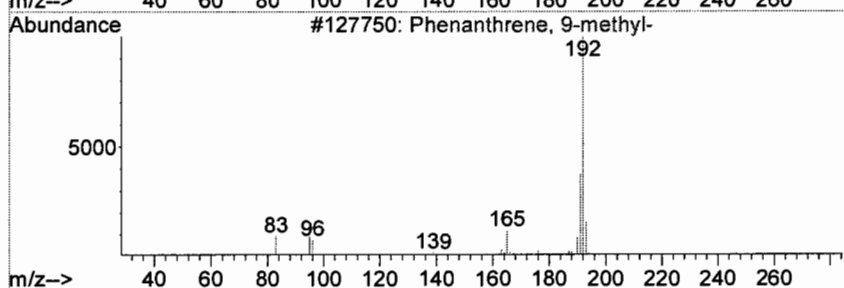
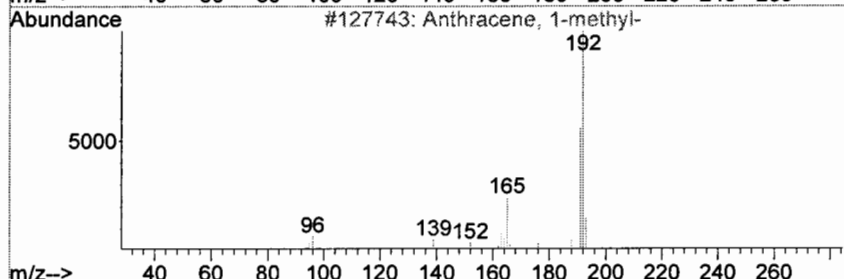
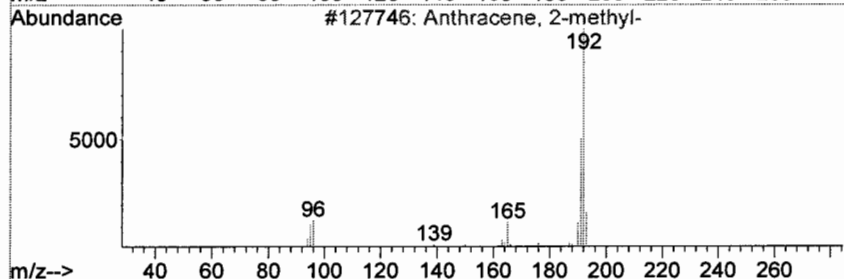
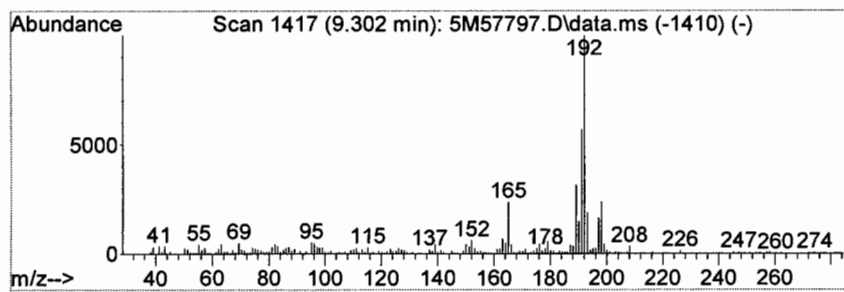
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Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 Anthracene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.30	39.20 ng	375037	LibIS-Phenanthrene-d10	8.76

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
2			Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
3			Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	93
4			METHYL-PHENANTHRENE OR METHYL-AN...	192	C15H12	000610-48-0	90
5			Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	90



Data Path : G:\GCMSData\2010\GCMS_5\Data\05-1210\
Data File : 5M57797.D
Acq On : 13 May 2010 00:01
Operator : AHD
Sample : AC51387-002(20X)
Misc : S,BNA:30
ALS Vial : 29 Sample Multiplier: 1

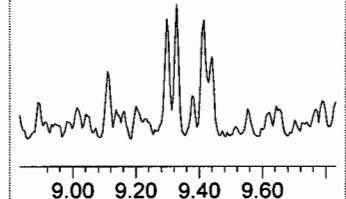
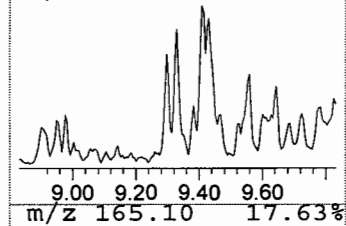
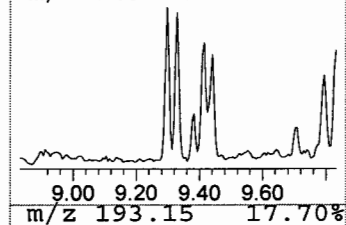
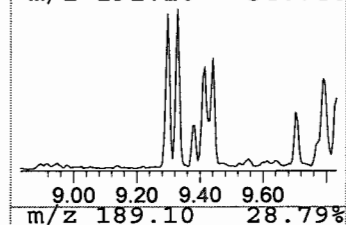
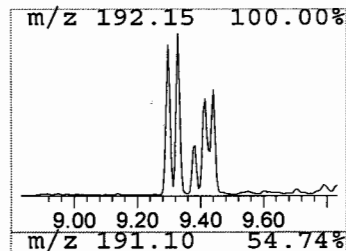
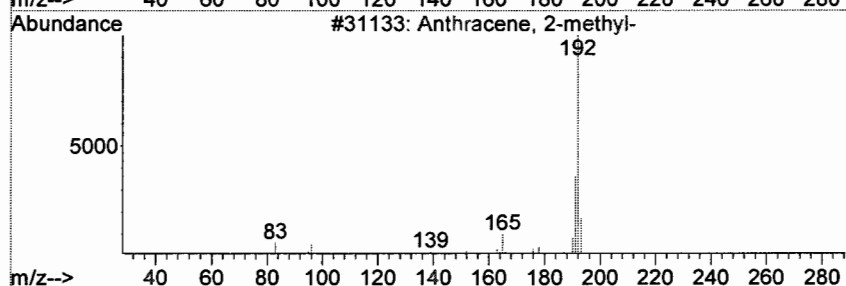
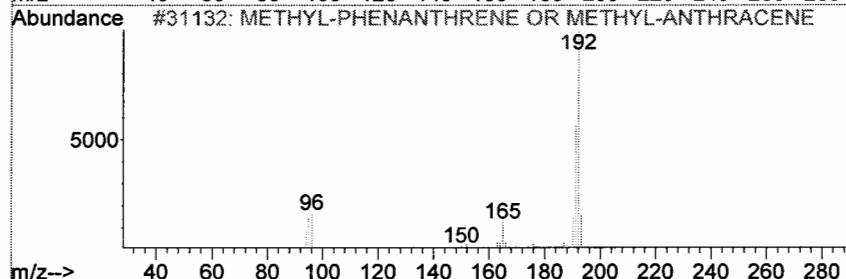
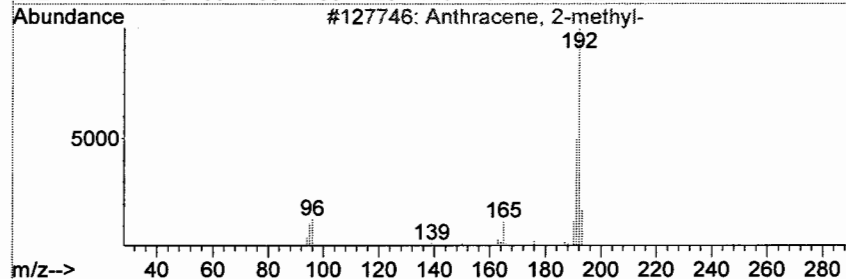
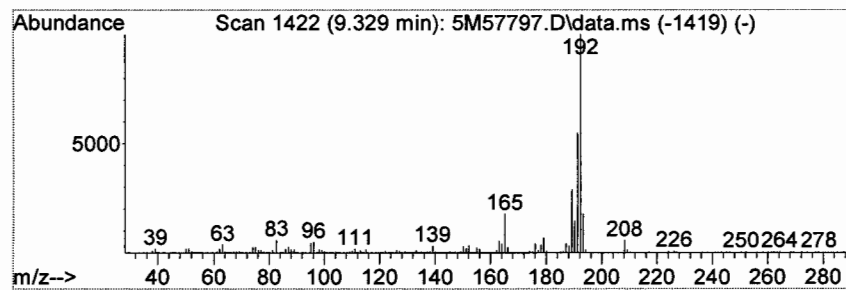
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TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 Anthracene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.33	32.23 ng	308413	LibIS-Phenanthrene-d10	8.76

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2			METHYL-PHENANTHRENE OR METHYL-AN...	192	C15H12	000610-48-0	94
3			Anthracene, 2-methyl-	192	C15H12	000613-12-7	92
4			Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90
5			Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	89



Data Path : G:\GCMSData\2010\GCMS_5\Data\05-1210\
Data File : 5M57797.D
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Operator : AHD
Sample : AC51387-002(20X)
Misc : S,BNA:30
ALS Vial : 29 Sample Multiplier: 1

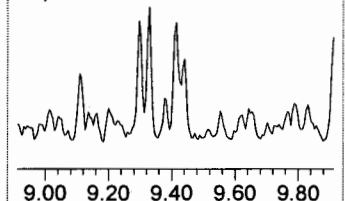
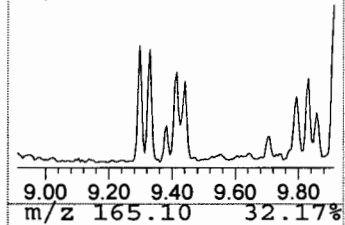
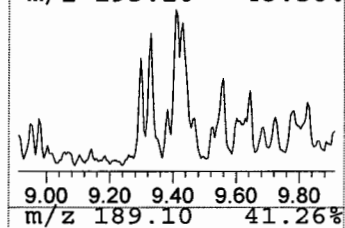
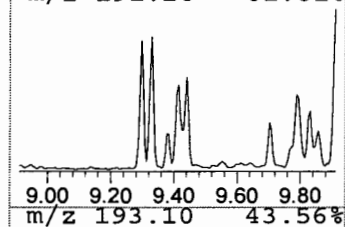
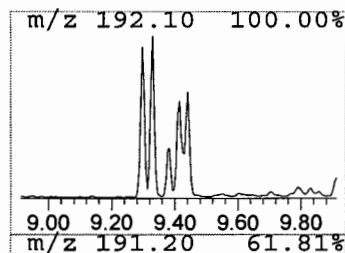
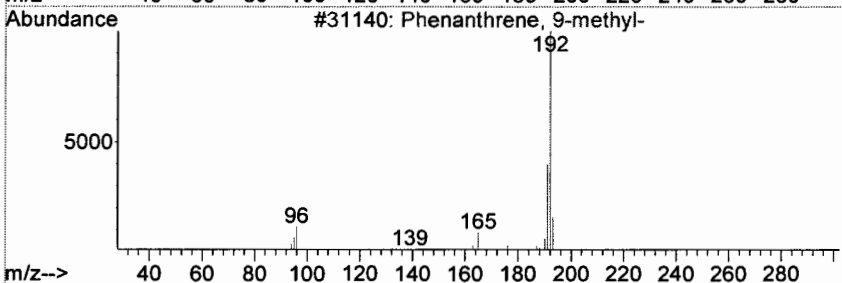
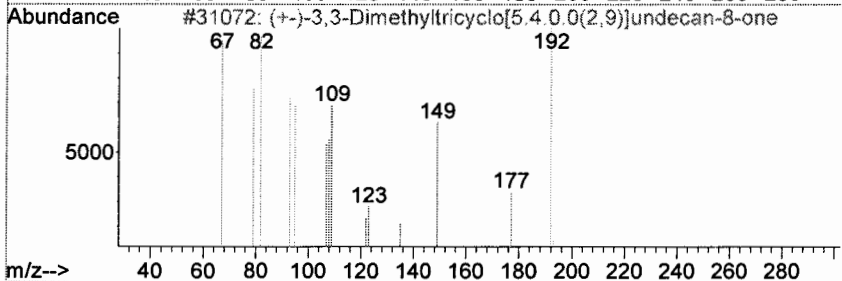
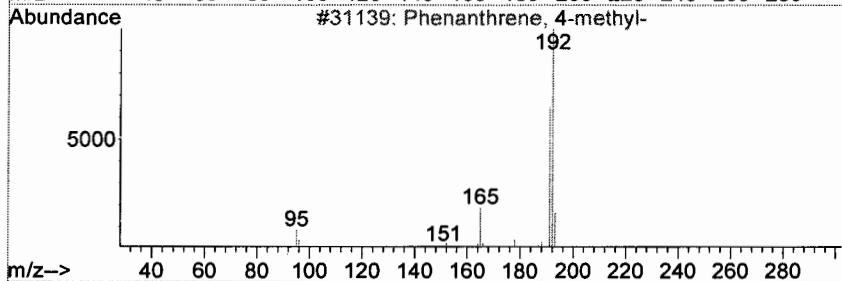
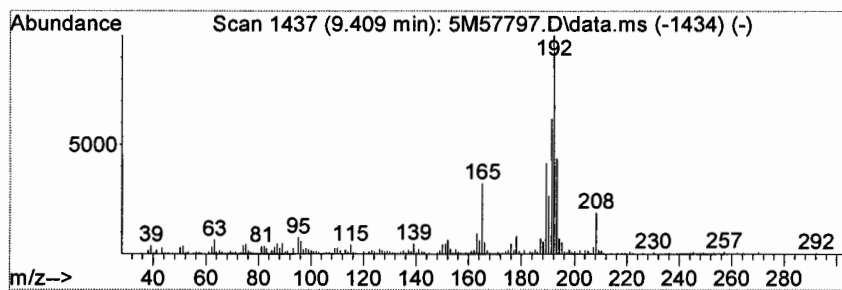
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Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 Phenanthrene, 4-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.41	31.23 ng	298779	LibIS-Phenanthrene-d10	8.76

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90
2			(+)-3,3-Dimethyltricyclo[5.4.0....	192	C13H20O	057768-52-2	74
3			Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	64
4			(E)-6-Ethylidene-6H-dibenzo[b,d]...	240	C15H12OS	087221-28-1	64
5			1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	62



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Sample : AC51387-002(20X)
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ALS Vial : 29 Sample Multiplier: 1

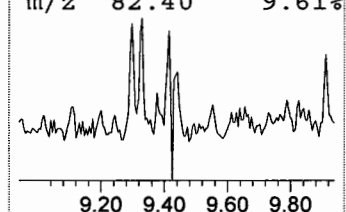
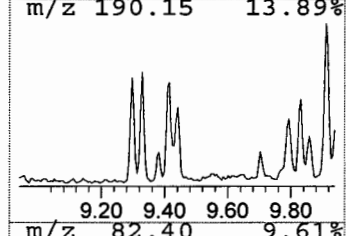
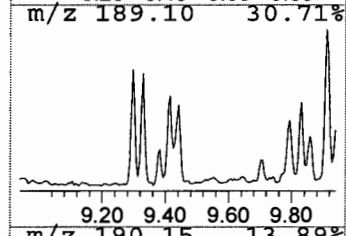
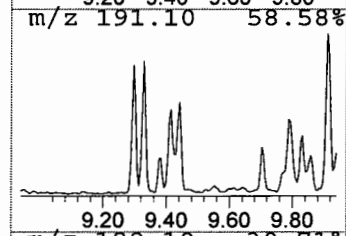
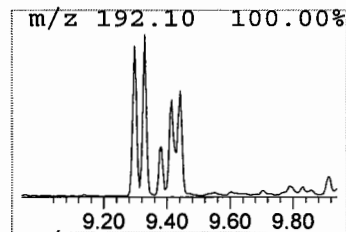
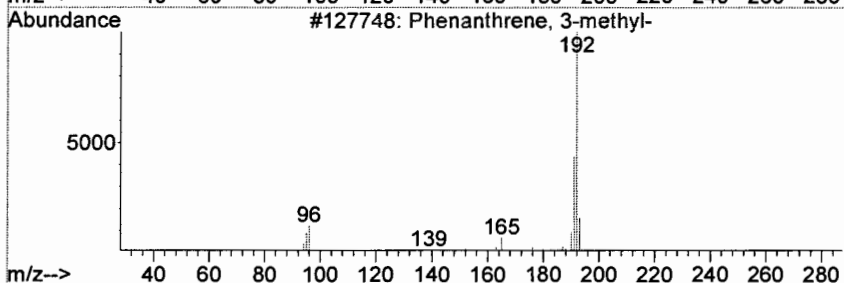
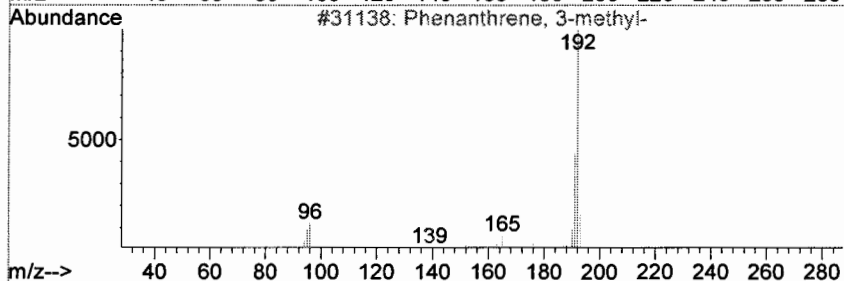
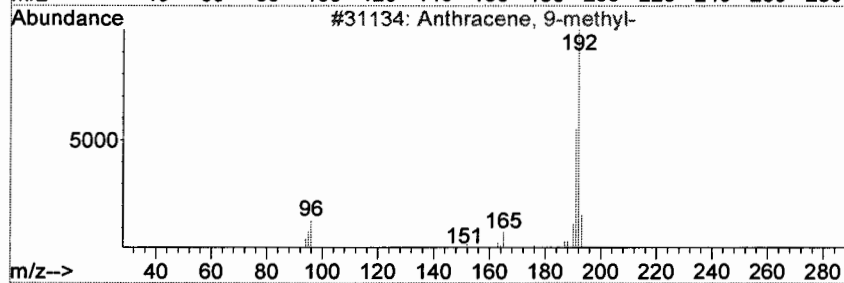
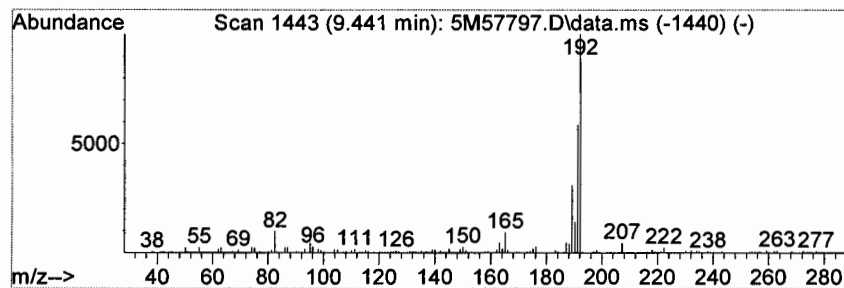
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Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 Anthracene, 9-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.44	23.14 ng	221433	LibIS-Phenanthrene-d10	8.76

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Anthracene, 9-methyl-	192	C15H12	000779-02-2	81
2			Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	74
3			Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	74
4			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	72
5			(E)-6-Ethylidene-6H-dibenzo[b,d]...	240	C15H12OS	087221-28-1	72



Data Path : G:\GcMsData\2010\GCMS_5\Data\05-1210\
Data File : 5M57797.D
Acq On : 13 May 2010 00:01
Operator : AHD
Sample : AC51387-002(20X)
Misc : S,BNA:30
ALS Vial : 29 Sample Multiplier: 1

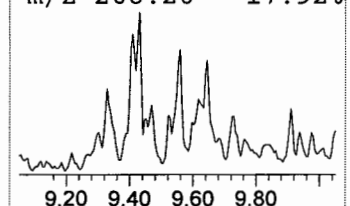
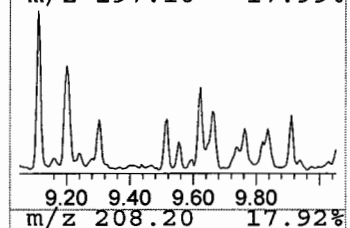
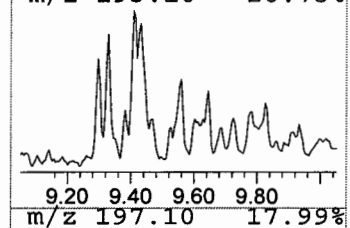
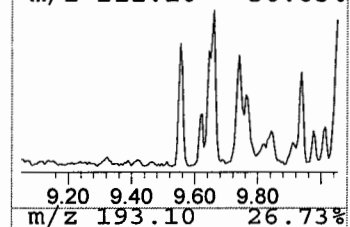
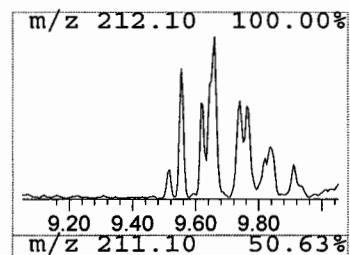
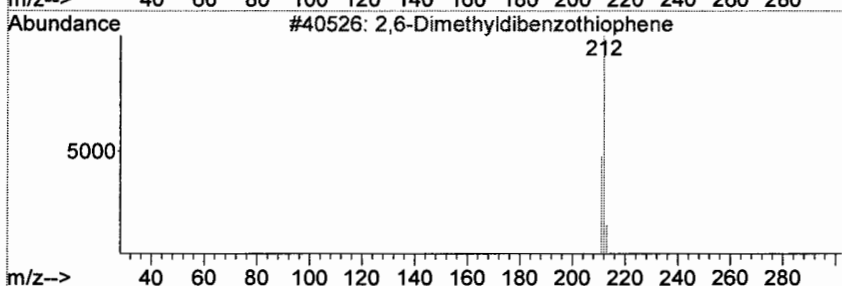
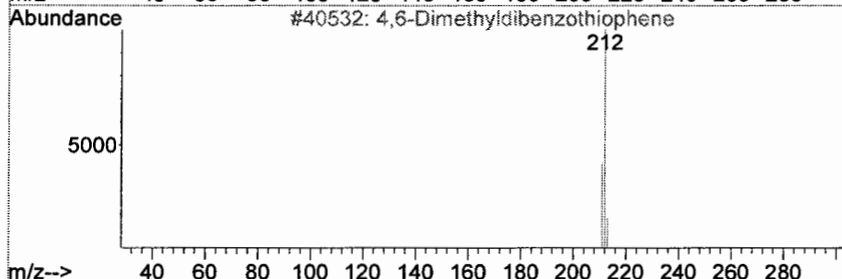
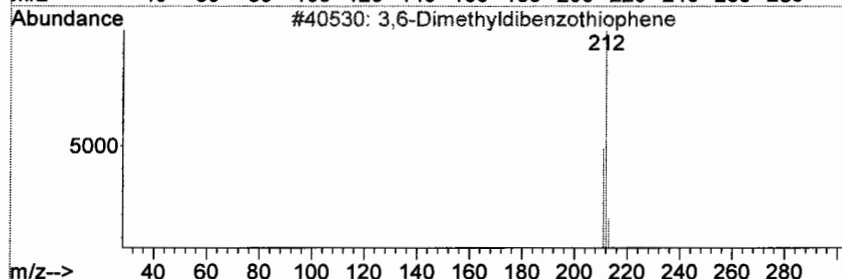
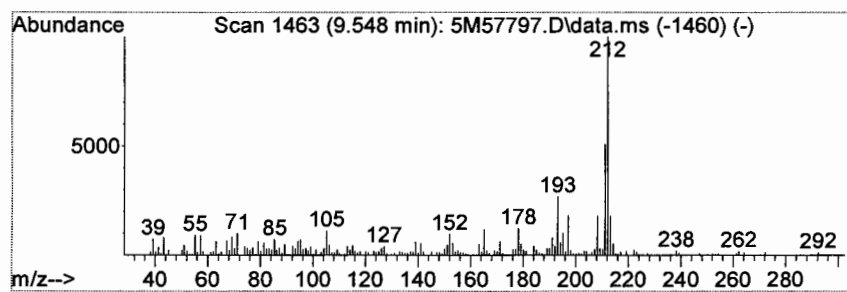
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Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 3,6-Dimethyldibenzothiophene Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.55	18.65 ng	178449	LibIS-Phenanthrene-d10	8.76

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			3,6-Dimethyldibenzothiophene	212	C14H12S	031613-04-4	83
2			4,6-Dimethyldibenzothiophene	212	C14H12S	001207-12-1	83
3			2,6-Dimethyldibenzothiophene	212	C14H12S	089816-75-1	83
4			1,6-Dimethyldibenzothiophene	212	C14H12S	089816-70-6	83
5			1,7-Dimethyldibenzothiophene	212	C14H12S	089816-53-5	83



Data Path : G:\GCMSData\2010\GCMS_5\Data\05-1210\
Data File : 5M57797.D
Acq On : 13 May 2010 00:01
Operator : AHD
Sample : AC51387-002(20X)
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ALS Vial : 29 Sample Multiplier: 1

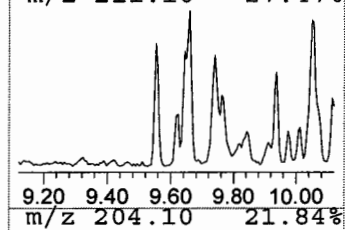
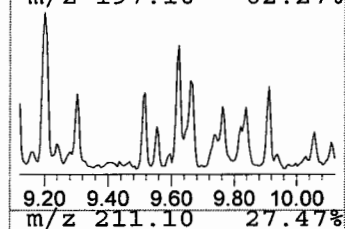
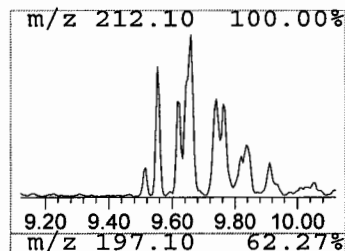
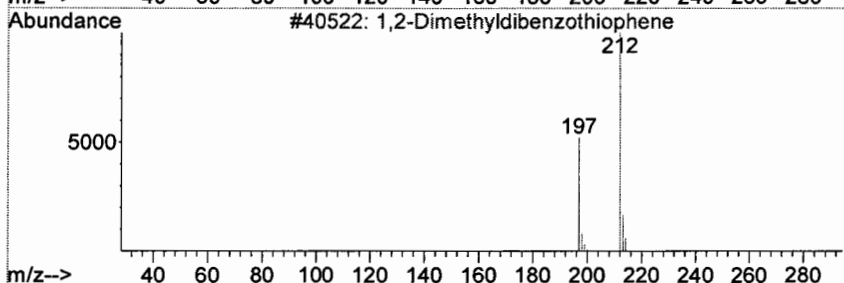
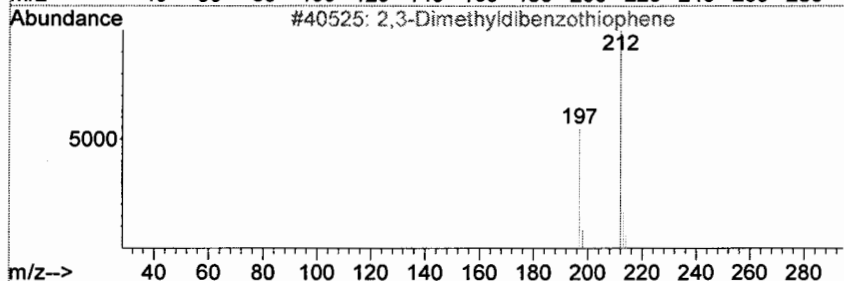
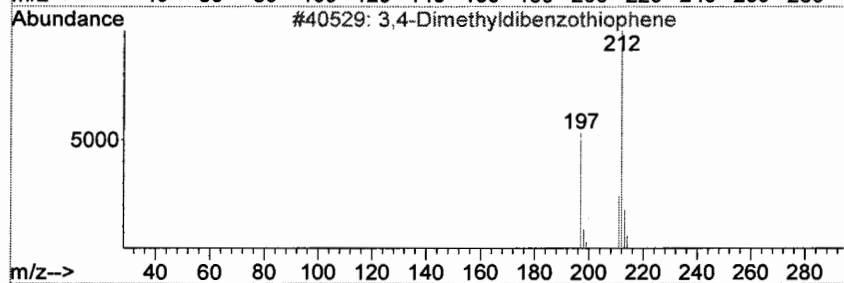
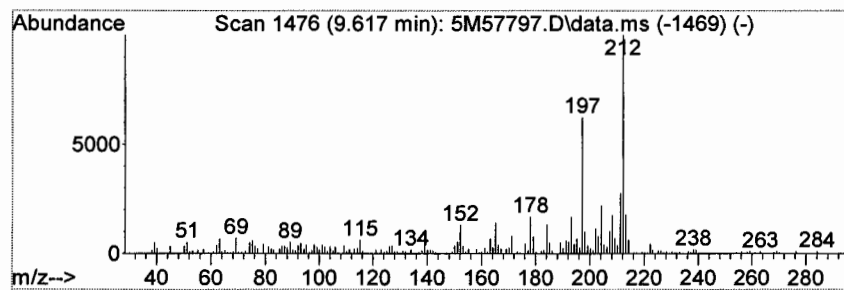
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Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

Peak Number 14 3,4-Dimethyldibenzothiophene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.62	22.79 ng	218013	LibIS-Phenanthrene-d10	8.76

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			3,4-Dimethyldibenzothiophene	212	C14H12S	023654-30-0	58
2			2,3-Dimethyldibenzothiophene	212	C14H12S	031317-17-6	49
3			1,2-Dimethyldibenzothiophene	212	C14H12S	031317-14-3	49
4			10-METHYL-9-OXA-10-SILA-9,10-DIH...	212	C13H12OSi	074637-38-0	49
5			1,3,3-Trimethyl-2-(trimethylsilo...	212	C12H24OSi	002816-63-9	49



Data Path : G:\GCMSData\2010\GCMS_5\Data\05-1210\
Data File : 5M57797.D
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Operator : AHD
Sample : AC51387-002(20X)
Misc : S,BNA:30
ALS Vial : 29 Sample Multiplier: 1

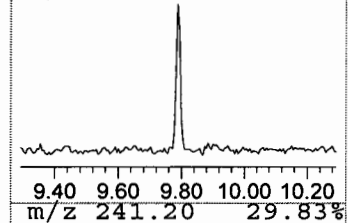
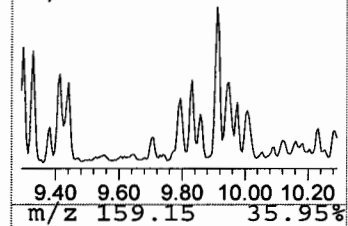
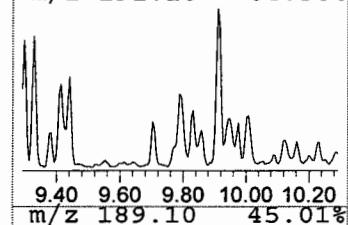
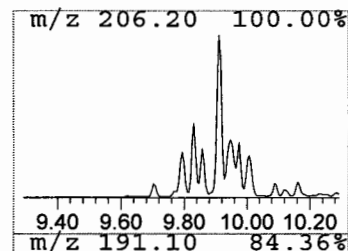
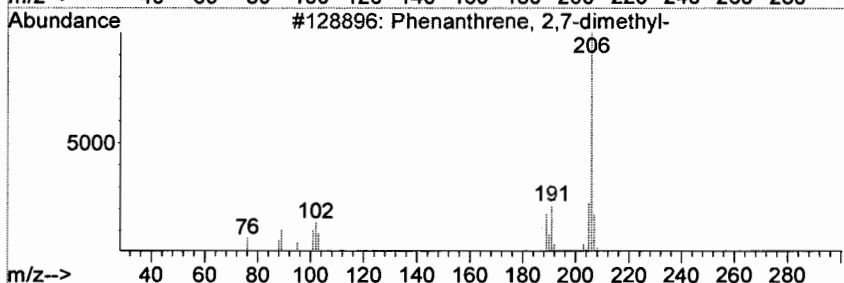
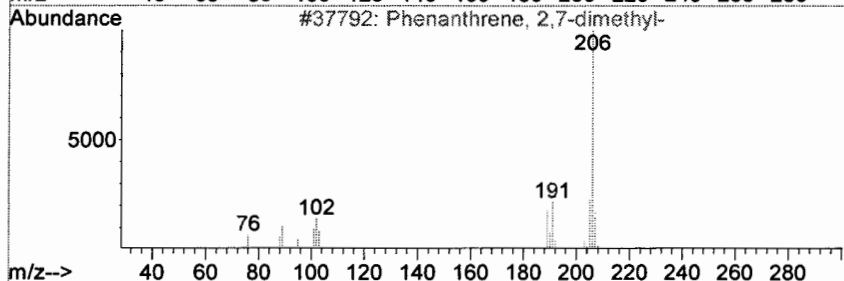
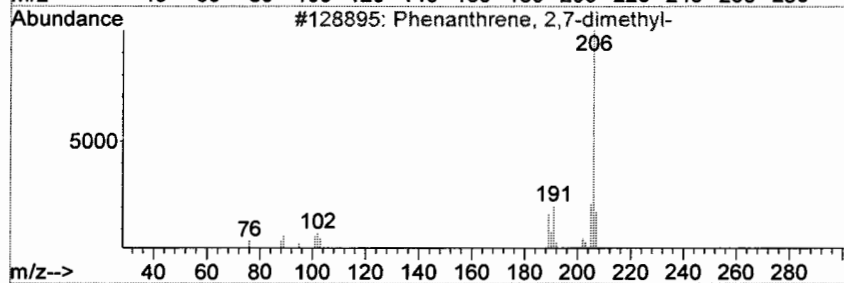
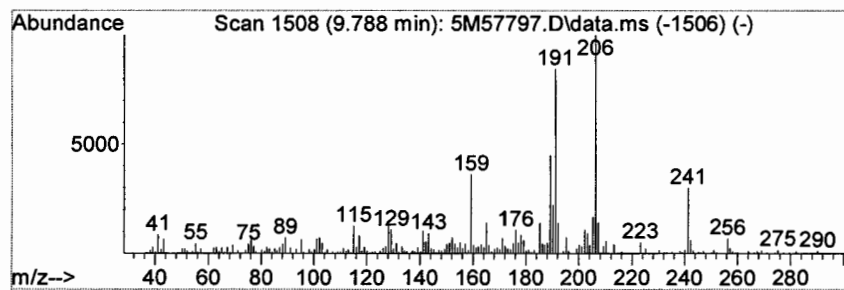
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TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

Peak Number 15 Phenanthrene, 2,7-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.79	31.07 ng	297298	LibIS-Phenanthrene-d10	8.76

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90
2			Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	89
3			Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	89
4			Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	76
5			Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	68



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_5\Data\05-1210\
 Data File : 5M57797.D
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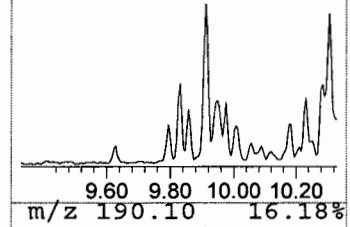
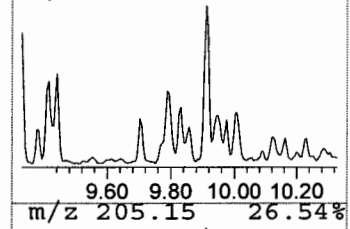
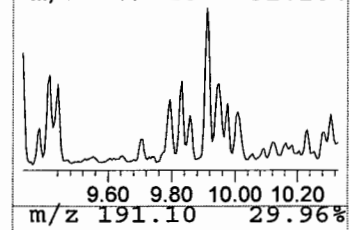
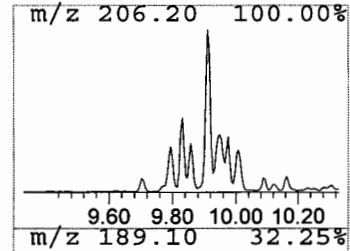
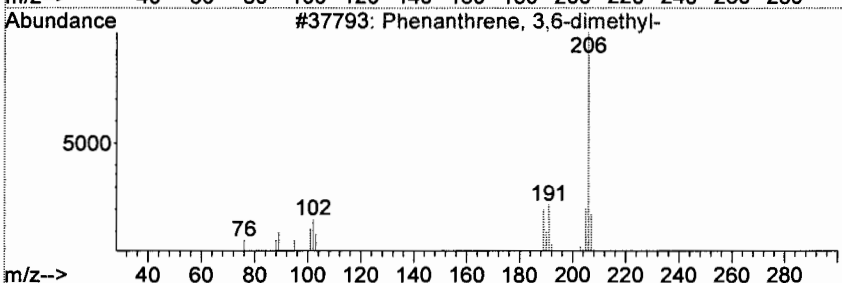
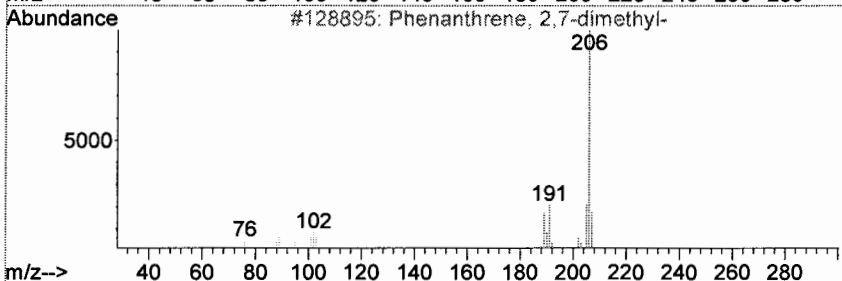
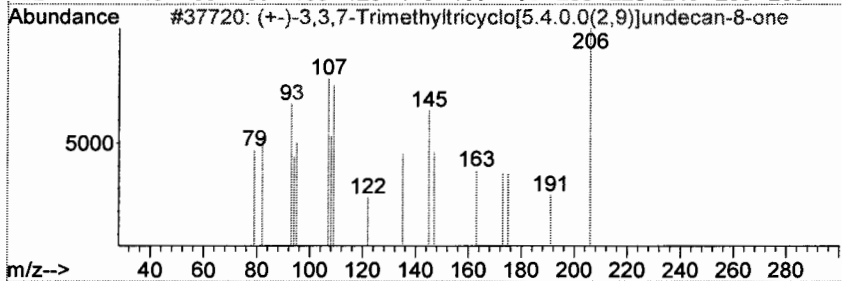
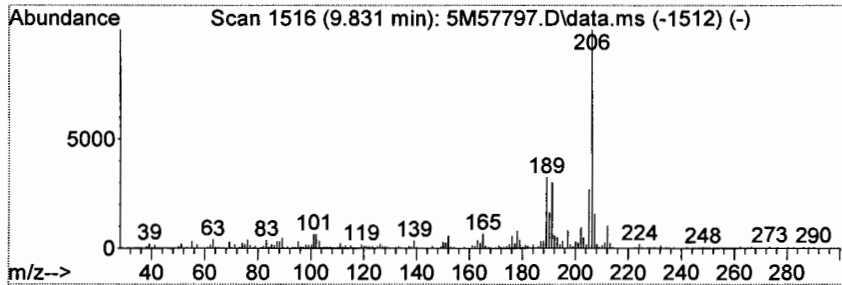
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TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 16 (+)-3,3,7-Trimethyltricycl... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.83	33.63 ng	321811	LibIS-Phenanthrene-d10	8.76

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			(+)-3,3,7-Trimethyltricyclo[5.4...	206	C14H22O	038647-26-6	95
2			Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	93
3			Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
4			Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	87
5			Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	87



Data Path : G:\GcMsData\2010\GCMS_5\Data\05-1210\
Data File : 5M57797.D
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Sample : AC51387-002(20X)
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ALS Vial : 29 Sample Multiplier: 1

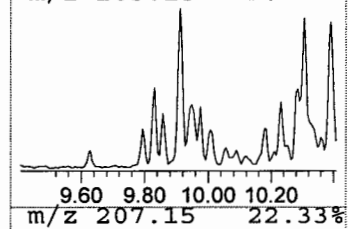
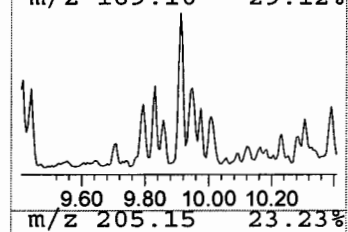
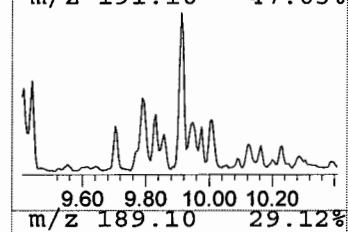
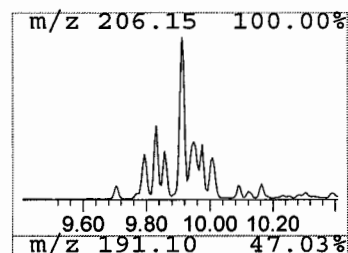
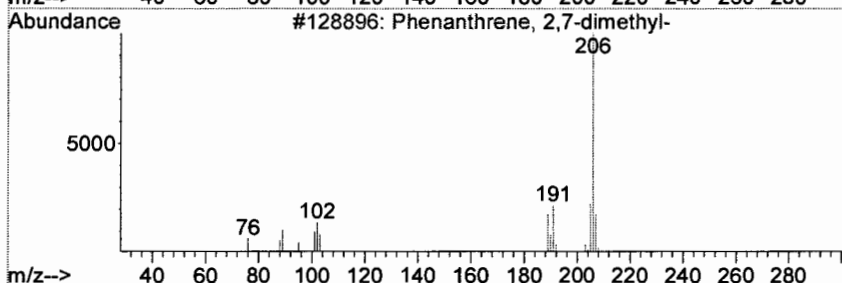
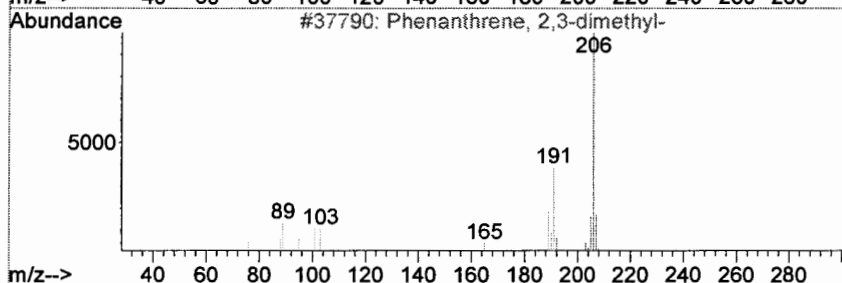
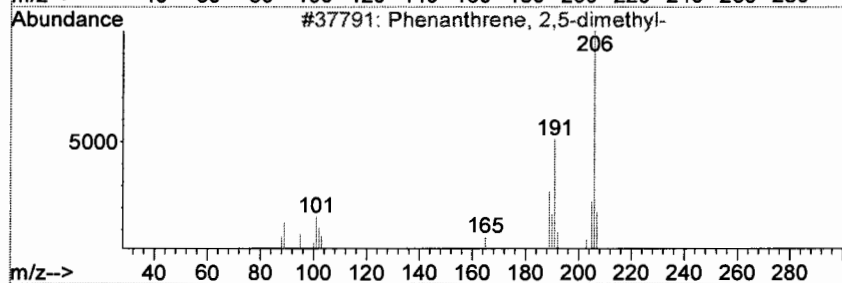
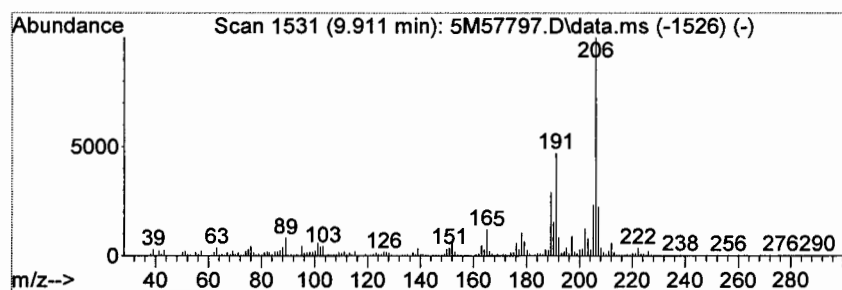
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Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

Peak Number 17 Phenanthrene, 2,5-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.91	63.08 ng	603568	LibIS-Phenanthrene-d10	8.76

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2			Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
3			Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	81
4			Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	81
5			Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	81



Data Path : G:\GcMsData\2010\GCMS_5\Data\05-1210\
Data File : 5M57797.D
Acq On : 13 May 2010 00:01
Operator : AHD
Sample : AC51387-002(20X)
Misc : S,BNA:30
ALS Vial : 29 Sample Multiplier: 1

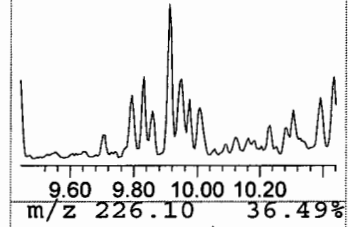
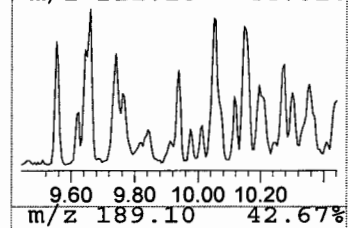
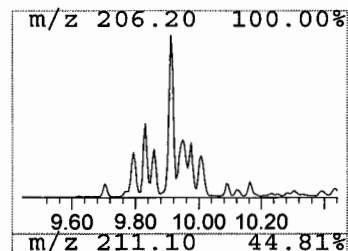
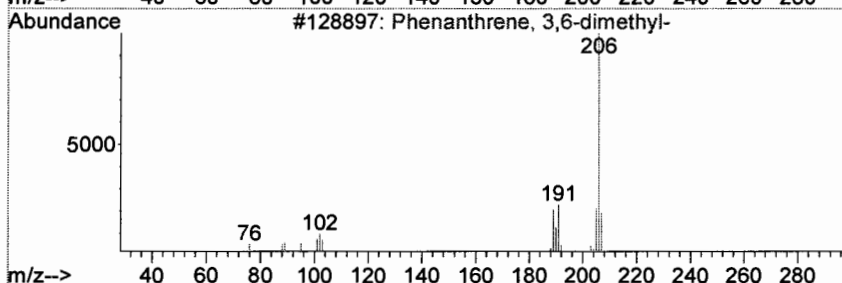
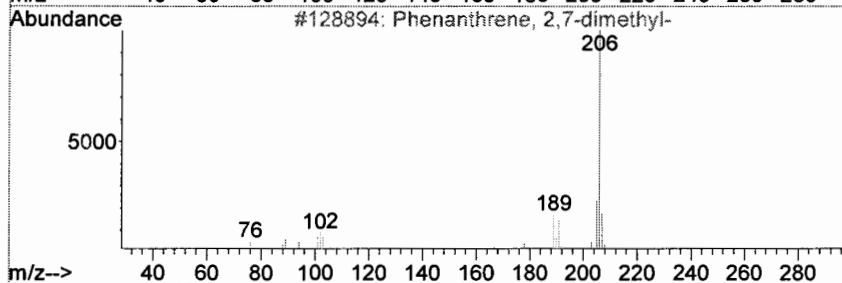
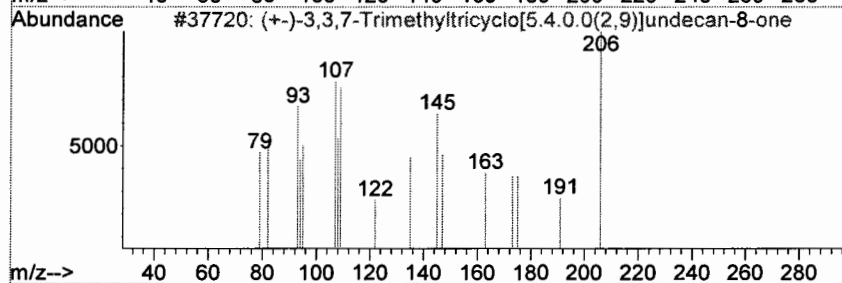
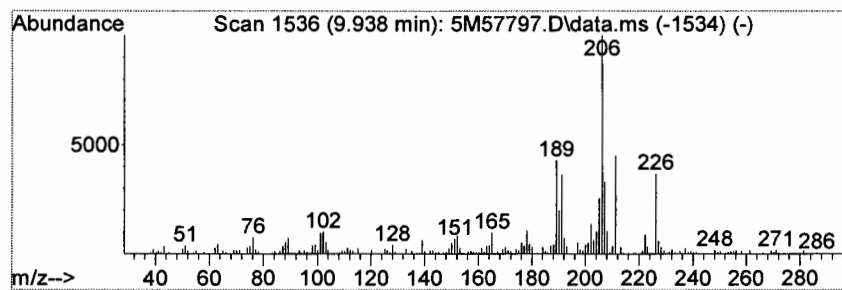
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Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

Peak Number 18 (+)-3,3,7-Trimethyltricycl... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.94	25.67 ng	245600	LibIS-Phenanthrene-d10	8.76

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		(+)-3,3,7-Trimethyltricyclo[5.4...	206	C14H22O	038647-26-6	95
2		Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	81
3		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	64
4		Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	58
5		Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	53



Data Path : G:\GcMsData\2010\GCMS_5\Data\05-1210\
Data File : 5M57797.D
Acq On : 13 May 2010 00:01
Operator : AHD
Sample : AC51387-002(20X)
Misc : S,BNA:30
ALS Vial : 29 Sample Multiplier: 1

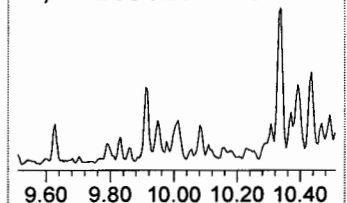
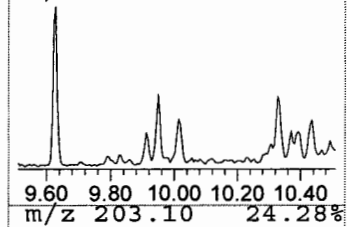
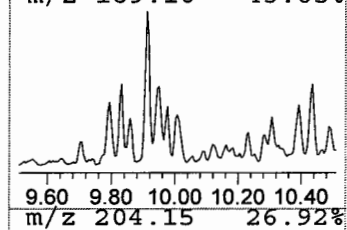
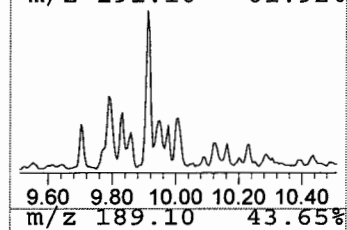
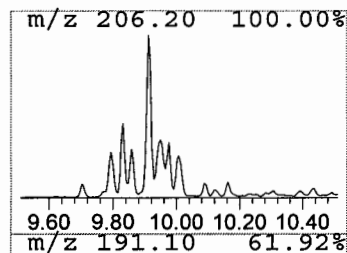
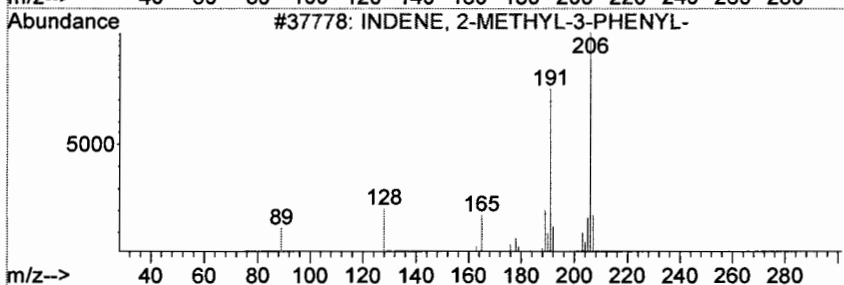
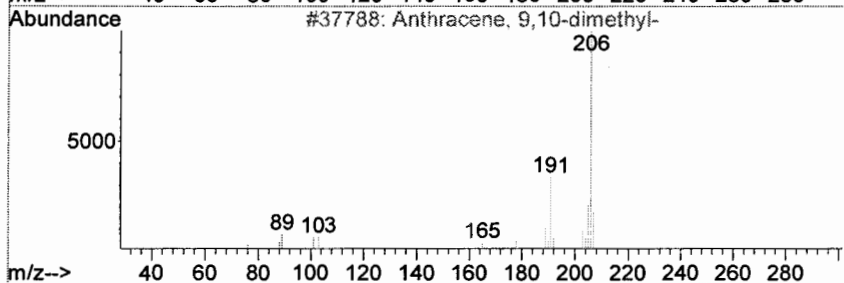
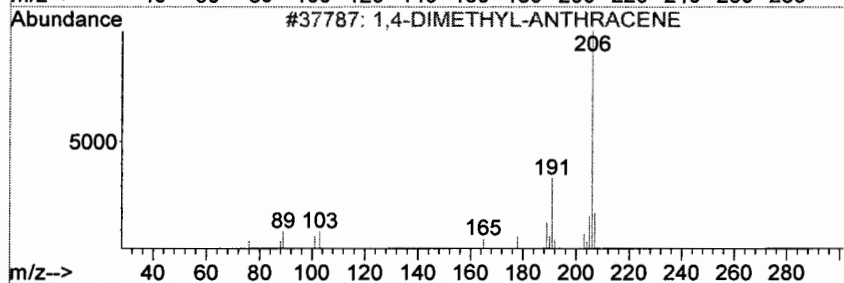
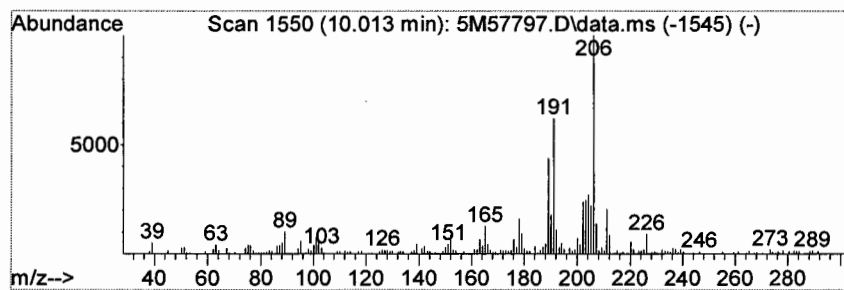
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Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

Peak Number 19 Anthracene, 9,10-dimethyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.01	18.21 ng	174245	LibIS-Phenanthrene-d10	8.76

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,4-DIMETHYL-ANTHRACENE	206	C16H14	000000-00-0	90
2		Anthracene, 9,10-dimethyl-	206	C16H14	000781-43-1	90
3		INDENE, 2-METHYL-3-PHENYL-	206	C16H14	000000-00-0	89
4		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87
5		Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	81



Data Path : G:\GcMsData\2010\GCMS_5\Data\05-1210\
Data File : 5M57797.D
Acq On : 13 May 2010 00:01
Operator : AHD
Sample : AC51387-002(20X)
Misc : S,BNA:30
ALS Vial : 29 Sample Multiplier: 1

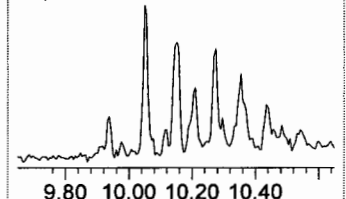
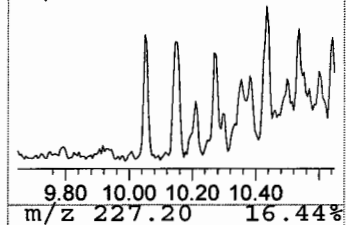
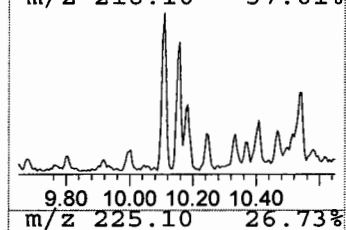
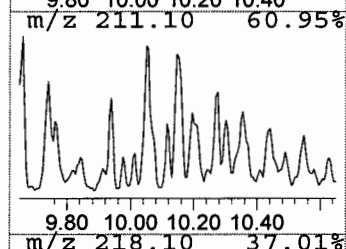
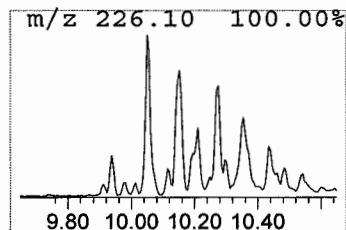
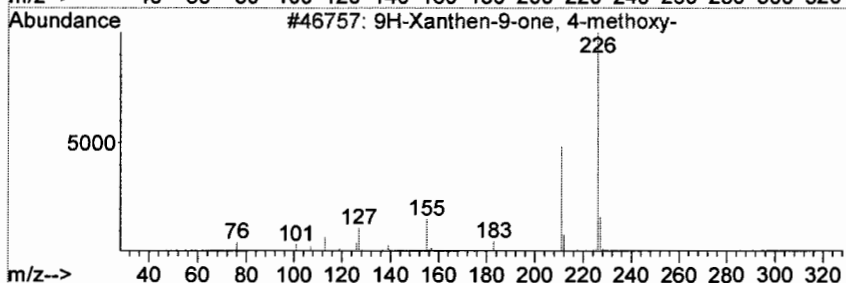
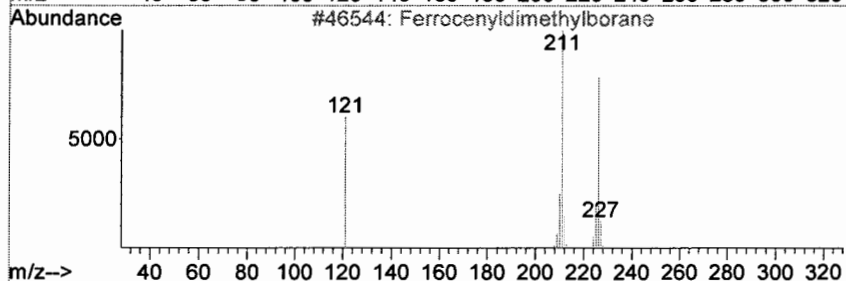
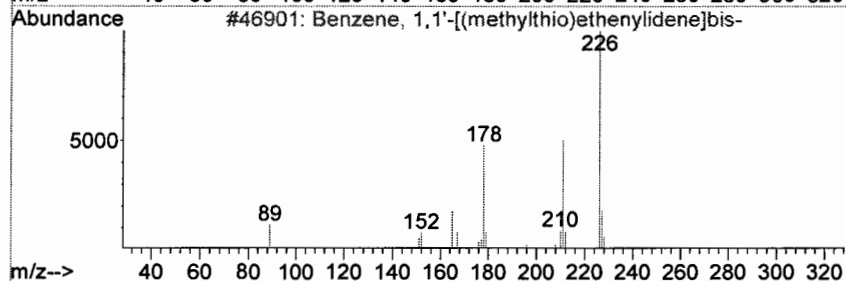
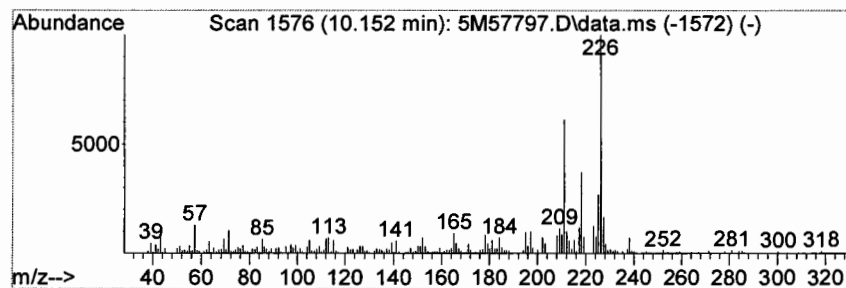
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Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

Peak Number 20 Benzene, 1,1'-[(methylthio)... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.15	21.04 ng	201317	LibIS-Phenanthrene-d10	8.76

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,1'-[(methylthio)ethen...	226	C15H14S	015096-10-3	86
2			Ferrocenyldimethylborane	226	C12H15BFe	061649-69-2	59
3			9H-Xanthen-9-one, 4-methoxy-	226	C14H10O3	006702-58-5	52
4			2',5'-DIHYDROXY-4',6'-DIMETHOXY-...	226	C11H14O5	000000-00-0	50
5			1-Propene-2-thiol, 1,1-diphenyl-	226	C15H14S	074630-83-4	46



Data Path : G:\GCMSData\2010\GCMS_5\Data\05-1210\
Data File : 5M57797.D
Acq On : 13 May 2010 00:01
Operator : AHD
Sample : AC51387-002(20X)
Misc : S,BNA:30
ALS Vial : 29 Sample Multiplier: 1

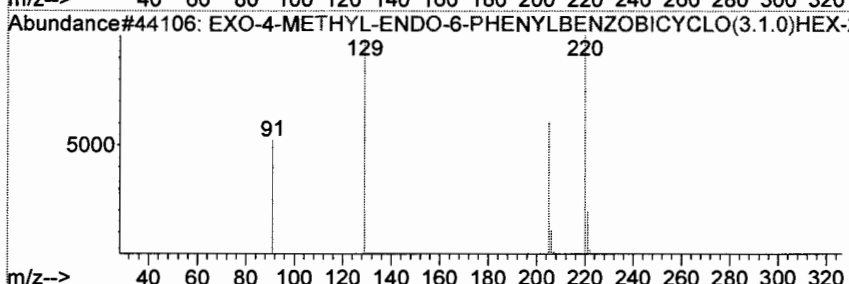
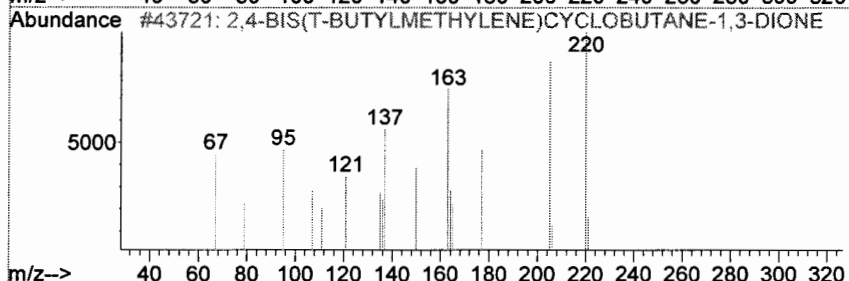
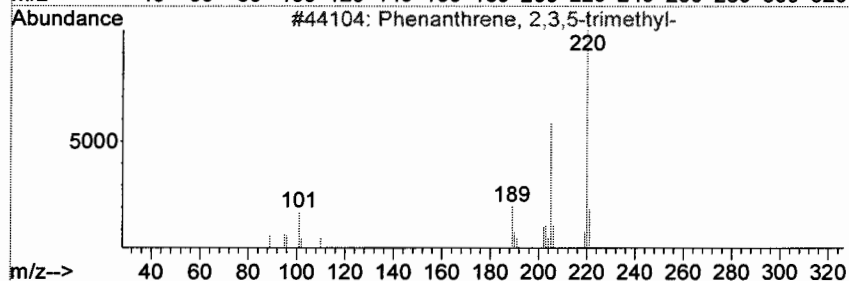
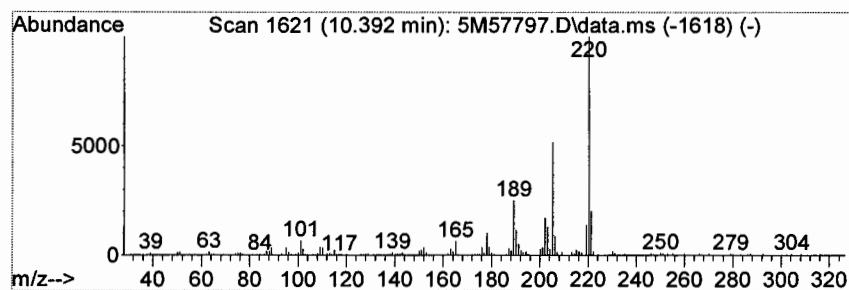
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TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

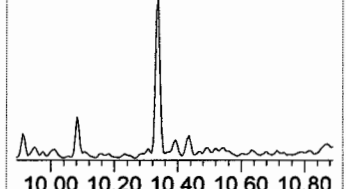
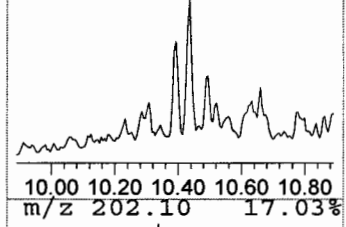
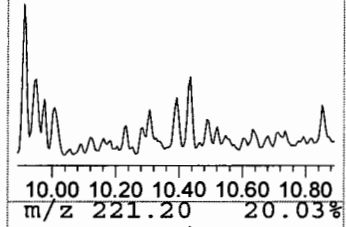
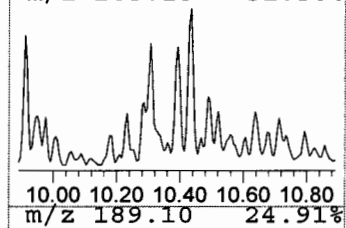
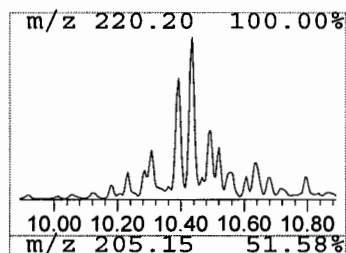
Peak Number 21 Phenanthrene, 2,3,5-trimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.39	20.73 ng	198295	LibIS-Phenanthrene-d10	8.76

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2,3,5-trimethyl-	220	C17H16	003674-73-5	93
2			2,4-BIS(T-BUTYLMETHYLENE)CYCLOBU...	220	C14H20O2	053942-74-8	52
3			EXO-4-METHYL-ENDO-6-PHENYLBENZOB...	220	C17H16	067457-01-6	52
4			7-Nitro-6-methoxy-2,3-dimethylin...	220	C11H12N2O3	068289-71-4	52
5			[4,4'-Bipyrimidine]-2,2',6(1H,1'...	220	C9H8N4O3	018694-06-9	50



5M_0430.M Thu May 13 13:50:28 2010 RPT1



Data Path : G:\GCMSData\2010\GCMS_5\Data\05-1210\
Data File : 5M57797.D
Acq On : 13 May 2010 00:01
Operator : AHD
Sample : AC51387-002(20X)
Misc : S,BNA:30
ALS Vial : 29 Sample Multiplier: 1

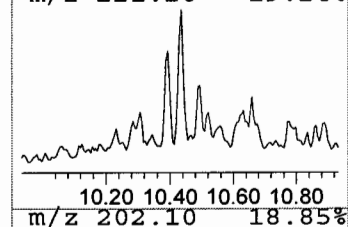
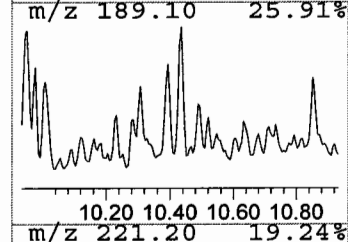
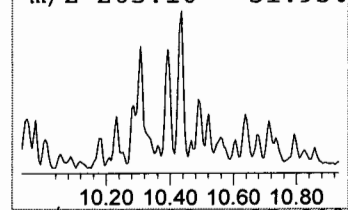
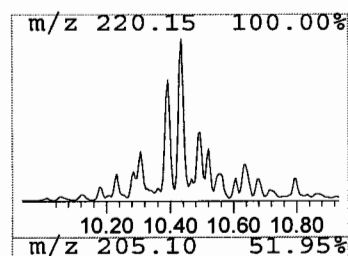
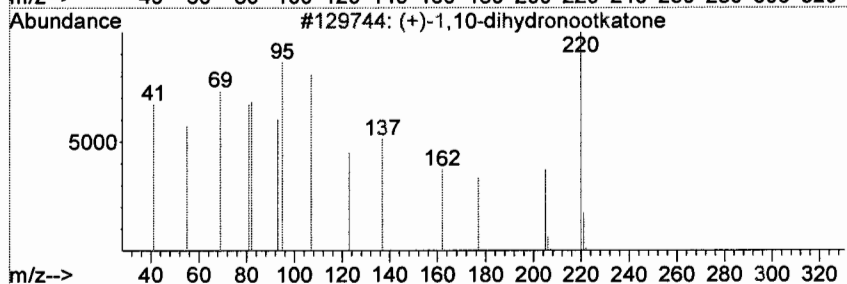
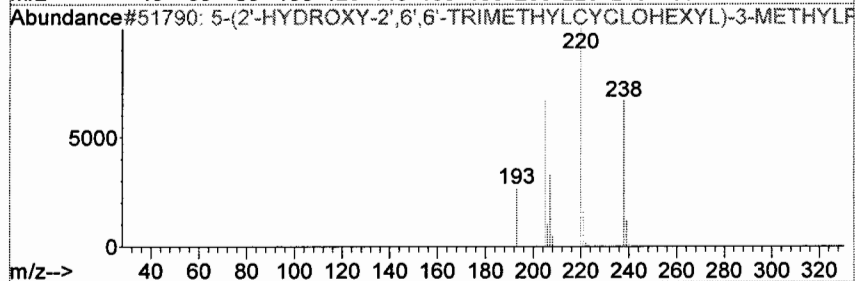
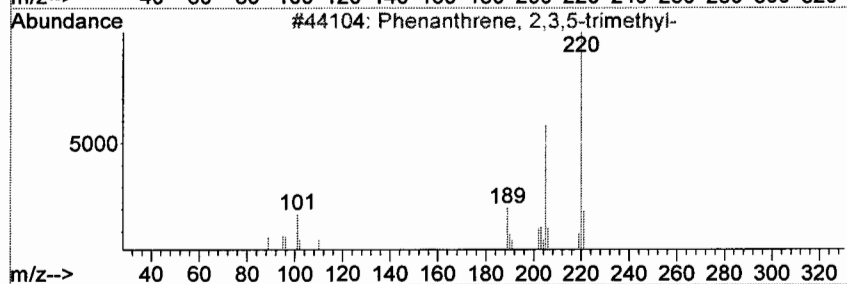
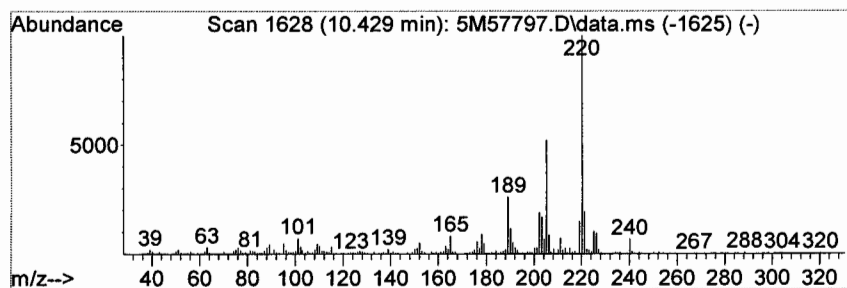
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Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

Peak Number 22 Phenanthrene, 2,3,5-trimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.43	33.84 ng	323821	LibIS-Phenanthrene-d10	8.76

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2,3,5-trimethyl-	220	C17H16	003674-73-5	80
2			5-(2'-HYDROXY-2',6',6'-TRIMETHYL...	238	C15H26O2	069774-17-0	59
3			(+)-1,10-dihydronootkatone	220	C15H24O	086917-84-2	58
4			2,4-BIS(T-BUTYLMETHYLENE)CYCLOBU...	220	C14H20O2	053942-74-8	58
5			EXO-4-METHYL-ENDO-6-PHENYLBENZOB...	220	C17H16	067457-01-6	53



Data Path : G:\GCMSData\2010\GCMS_5\Data\05-1210\
Data File : 5M57797.D
Acq On : 13 May 2010 00:01
Operator : AHD
Sample : AC51387-002(20X)
Misc : S,BNA:30
ALS Vial : 29 Sample Multiplier: 1

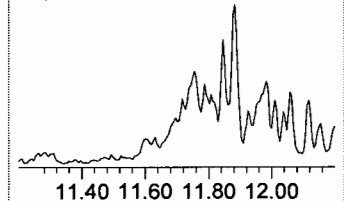
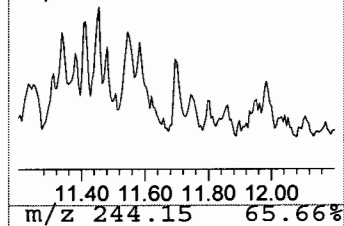
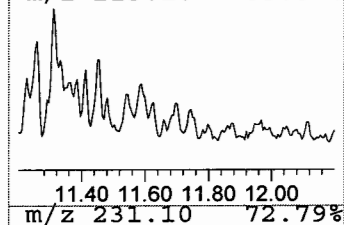
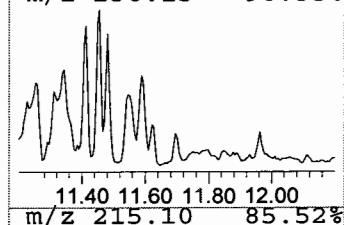
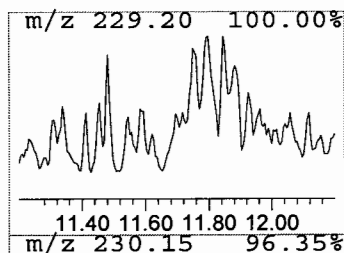
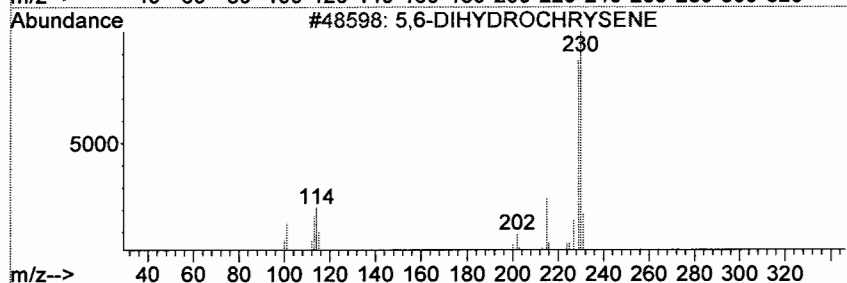
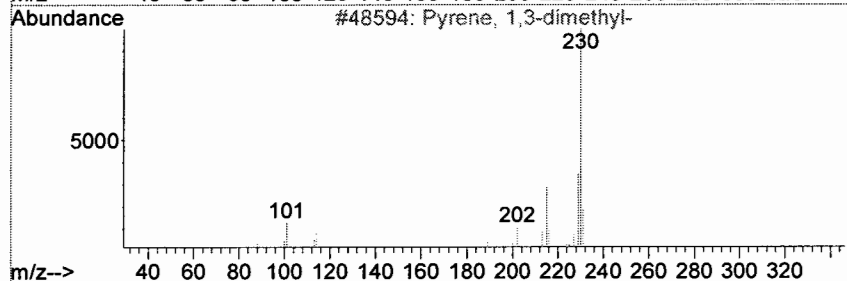
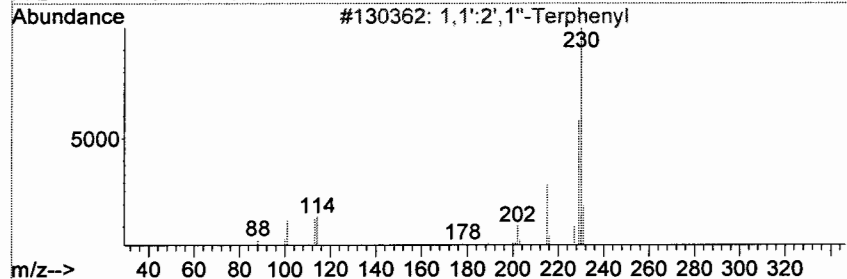
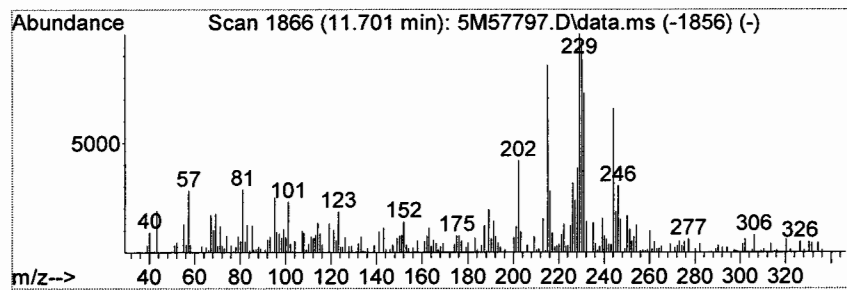
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Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

Peak Number 23 1,1':2',1''-Terphenyl Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.70	19.95 ng	156785	LibIS-Perylene-d12	13.37

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,1':2',1''-Terphenyl	230	C18H14	000084-15-1	52
2			Pyrene, 1,3-dimethyl-	230	C18H14	064401-21-4	46
3			5,6-DIHYDROCHRYSENE	230	C18H14	002091-92-1	38
4			6-METHYLBANTHOTOXIN	230	C13H10O4	042207-31-8	35
5			STYRENE, 2,4,5-TRIISOPROPYL-	230	C17H26	000000-00-0	27



Data Path : G:\GcMsData\2010\GCMS_5\Data\05-1210\
 Data File : 5M57797.D
 Acq On : 13 May 2010 00:01
 Operator : AHD
 Sample : AC51387-002(20X)
 Misc : S,BNA:30
 ALS Vial : 29 Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0430.M
 Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	-----Internal Standard-----				
					#	ExpRT	ActRt	Resp	Conc
2-Pentanone, 4-hy...	3.24	183.2	ng	1100835	1	5.03	5.03	240328	40.0
Naphthalene, 1-me...	6.68	25.4	ng	204903	2	6.07	6.07	322094	40.0
Naphthalene, 2,7-...	7.07	30.4	ng	266643	3	7.40	7.40	350359	40.0
Naphthalene, 1,5-...	7.13	37.9	ng	331623	3	7.40	7.40	350359	40.0
Naphthalene, 1,4,...	7.49	30.1	ng	263520	3	7.40	7.40	350359	40.0
Naphthalene, 1,4,...	7.57	28.2	ng	247194	3	7.40	7.40	350359	40.0
Naphthalene, 1,4,...	7.75	21.2	ng	185423	3	7.40	7.40	350359	40.0
Dibenzothiophene,...	9.11	22.5	ng	214900	4	8.76	8.76	382715	40.0
Anthracene, 2-met...	9.30	39.2	ng	375037	4	8.76	8.76	382715	40.0
Anthracene, 2-met...	9.33	32.2	ng	308413	4	8.76	8.76	382715	40.0
Phenanthrene, 4-m...	9.41	31.2	ng	298779	4	8.76	8.76	382715	40.0
Anthracene, 9-met...	9.44	23.1	ng	221433	4	8.76	8.76	382715	40.0
3,6-Dimethyldiben...	9.55	18.7	ng	178449	4	8.76	8.76	382715	40.0
3,4-Dimethyldiben...	9.62	22.8	ng	218013	4	8.76	8.76	382715	40.0
Phenanthrene, 2,7...	9.79	31.1	ng	297298	4	8.76	8.76	382715	40.0
(+)-3,3,7-Trimet...	9.83	33.6	ng	321811	4	8.76	8.76	382715	40.0
Phenanthrene, 2,5...	9.91	63.1	ng	603568	4	8.76	8.76	382715	40.0
(+)-3,3,7-Trimet...	9.94	25.7	ng	245600	4	8.76	8.76	382715	40.0
Anthracene, 9,10-...	10.01	18.2	ng	174245	4	8.76	8.76	382715	40.0
Benzene, 1,1'-[(m...	10.15	21.0	ng	201317	4	8.76	8.76	382715	40.0
Phenanthrene, 2,3...	10.39	20.7	ng	198295	4	8.76	8.76	382715	40.0
Phenanthrene, 2,3...	10.43	33.8	ng	323821	4	8.76	8.76	382715	40.0
1,1':2',1''-Terph...	11.70	19.9	ng	156785	5	13.37	13.37	314392	40.0

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AC51387-003

Client Id: PI-01-TP-RAU6043010SS0

Data File: 5M57736.D

Analysis Date: 05/11/10 20:09

Date Rec/Extracted: 05/03/10-05/11/10

Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270C

Matrix: Soil

Initial Vol: 30g

Final Vol: 1ml

Dilution: 1

Solids: 82

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
120-82-1	1,2,4-Trichlorobenzene	0.081	U	191-24-2	Benzo[g,h,i]perylene	0.081	U
122-66-7	1,2-Diphenylhydrazine	0.081	U	207-08-9	Benzo[k]fluoranthene	0.081	U
95-95-4	2,4,5-Trichlorophenol	0.081	U	65-85-0	Benzoic Acid	0.41	U
88-06-2	2,4,6-Trichlorophenol	0.081	U	111-91-1	bis(2-Chloroethoxy)methan	0.081	U
120-83-2	2,4-Dichlorophenol	0.081	U	111-44-4	bis(2-Chloroethyl)ether	0.081	U
105-67-9	2,4-Dimethylphenol	0.081	U	108-60-1	bis(2-chloroisopropyl)ether	0.081	U
51-28-5	2,4-Dinitrophenol	0.41	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.081	U
121-14-2	2,4-Dinitrotoluene	0.081	U	85-68-7	Butylbenzylphthalate	0.081	U
606-20-2	2,6-Dinitrotoluene	0.081	U	86-74-8	Carbazole	0.081	U
91-58-7	2-Chloronaphthalene	0.081	U	218-01-9	Chrysene	0.081	U
95-57-8	2-Chlorophenol	0.081	U	53-70-3	Dibenzo[a,h]anthracene	0.081	U
91-57-6	2-Methylnaphthalene	0.081	U	132-64-9	Dibenzofuran	0.081	U
95-48-7	2-Methylphenol	0.081	U	84-66-2	Diethylphthalate	0.081	U
88-74-4	2-Nitroaniline	0.081	U	131-11-3	Dimethylphthalate	0.081	U
88-75-5	2-Nitrophenol	0.081	U	84-74-2	Di-n-butylphthalate	0.081	U
106-44-5	3&4-Methylphenol	0.081	U	117-84-0	Di-n-octylphthalate	0.081	U
91-94-1	3,3'-Dichlorobenzidine	0.081	U	206-44-0	Fluoranthene	0.081	U
99-09-2	3-Nitroaniline	0.081	U	86-73-7	Fluorene	0.081	U
534-52-1	4,6-Dinitro-2-methylphenol	0.41	U	118-74-1	Hexachlorobenzene	0.081	U
101-55-3	4-Bromophenyl-phenylether	0.081	U	87-68-3	Hexachlorobutadiene	0.081	U
59-50-7	4-Chloro-3-methylphenol	0.081	U	77-47-4	Hexachlorocyclopentadiene	0.41	U
106-47-8	4-Chloroaniline	0.081	U	67-72-1	Hexachloroethane	0.081	U
7005-72-3	4-Chlorophenyl-phenylether	0.081	U	193-39-5	Indeno[1,2,3-cd]pyrene	0.081	U
100-01-6	4-Nitroaniline	0.081	U	78-59-1	Isophorone	0.081	U
100-02-7	4-Nitrophenol	0.081	U	91-20-3	Naphthalene	0.081	U
83-32-9	Acenaphthene	0.081	U	98-95-3	Nitrobenzene	0.081	U
208-96-8	Acenaphthylene	0.081	U	62-75-9	N-Nitrosodimethylamine	0.081	U
62-53-3	Aniline	0.081	U	621-64-7	N-Nitroso-di-n-propylamine	0.081	U
120-12-7	Anthracene	0.081	U	86-30-6	n-Nitrosodiphenylamine	0.081	U
92-87-5	Benzidine	0.41	U	87-86-5	Pentachlorophenol	0.41	U
56-55-3	Benzo[a]anthracene	0.081	U	85-01-8	Phenanthrene	0.081	U
50-32-8	Benzo[a]pyrene	0.081	U	108-95-2	Phenol	0.081	U
205-99-2	Benzo[b]fluoranthene	0.081	U	129-00-0	Pyrene	0.081	0.18

Worksheet #: 151474

Total Target Concentration 0.18

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.

B - Indicates the analyte was found in the blank as well as in the sample.

E - Indicates the analyte concentration exceeds the calibration range of the instrument.

R - Retention Time Out

J - Indicates an estimated value when a compound is detected at less than the specified detection limit.

d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.

Form1eORGANICS SEMIVOLATILE REPORT
Tentatively Identified Compounds

Sample Number: AC51387-003	Matrix: Soil
Client Id: PI-01-TP-RAU6043010	Initial Vol: 30g
Data File: 5M57736.D	Final Vol: 1ml
Analysis Date: 05/11/10 20:09	Dilution: 1
Date Rec/Extracted: 05/03/10-05/11/10	Solids: 82
	Method: EPA 8270C

Units: mg/Kg

	Cas #	Compound	RT	Conc	
145.13.10	1	~~1534-88-9~~ 3-Penten-2-one, 4-methyl-	2.48	0.37 J B	
	2	~~141-79-7~~ unknown	2.97	0.30 J	
	3	unknown	3.03	0.77 J B	145.13.10
	4	123-42-2 2-Pentanone, 4-hydroxy-4-methyl-	3.50	300 JAY	
	5	111-76-2 Ethanol, 2-butoxy-	4.14	0.19 J	
	6	unknown	4.24	1.3 JB	
	7	unknown	7.81	0.25 J	
	8	unknown	9.27	0.19 J	
	9	10544-50-0 Sulfur, mol. (S8)	9.37	0.18 J	
	10	3674-66-6 Phenanthrene, 2,5-dimethyl-	9.99	0.21 J	
	11	unknown	11.78	0.17 J	
	12	unknown	12.55	0.17 J	
	13	unknown	14.26	0.20 J	
	14	unknown	14.51	0.52 J	
	15	unknown	15.02	0.53 J	
	16	unknown	15.18	0.30 J	
	17	unknown	15.35	1.4 J	

Worksheet #: 151474

Total Tentatively Identified Concentration 310*A - Indicates an aldol condensate.**J - Indicates an estimated value.**B - Indicates the analyte was found in the blank as well as in the sample.**Y - Indicates the analyte was found in the blank at <10% of the concentration of the sample.**<10% - Indicates the analyte was found in the blank at < 10% of nearest Internal Standard*

Quantitation Report (QT/LSC Reviewed)

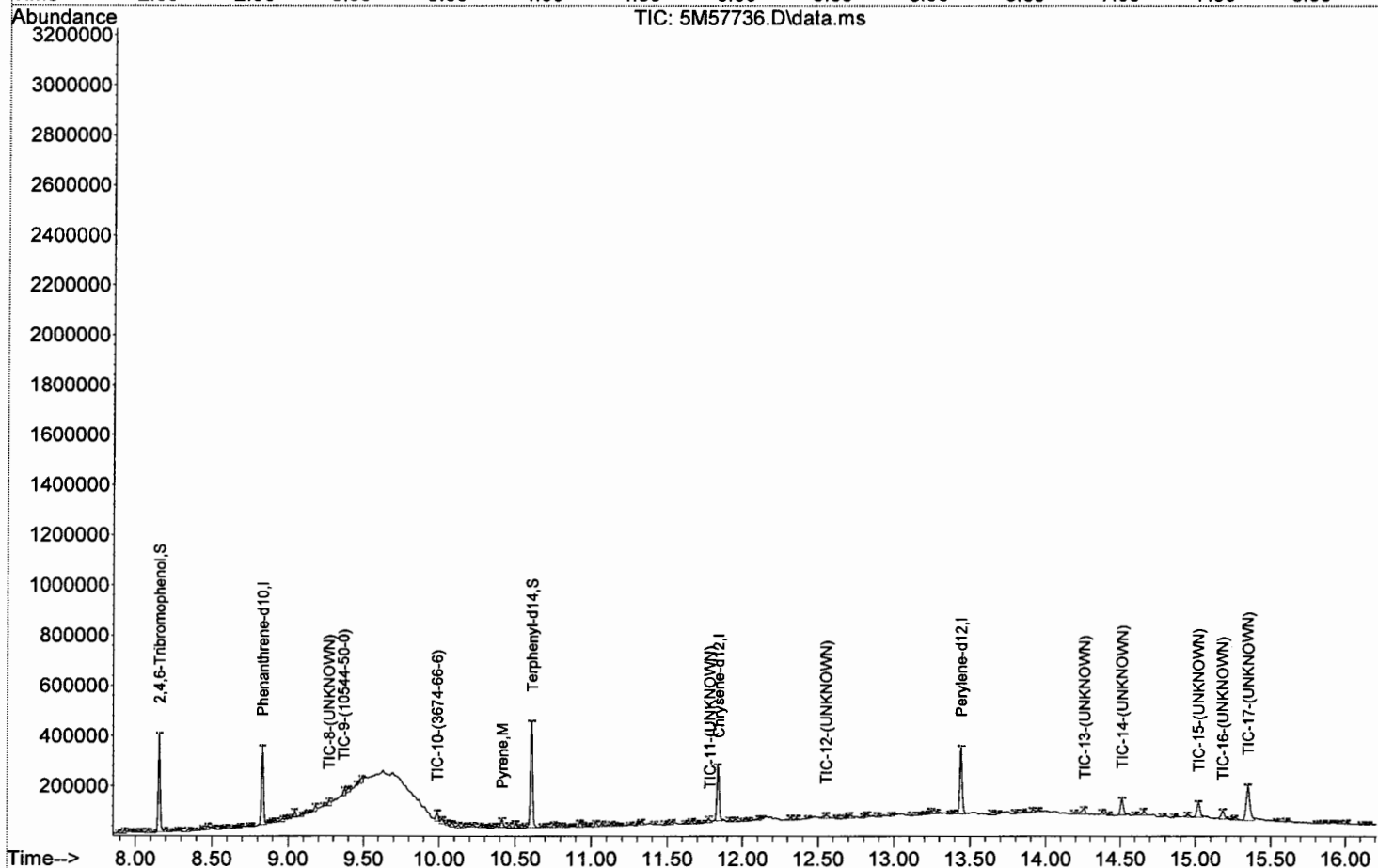
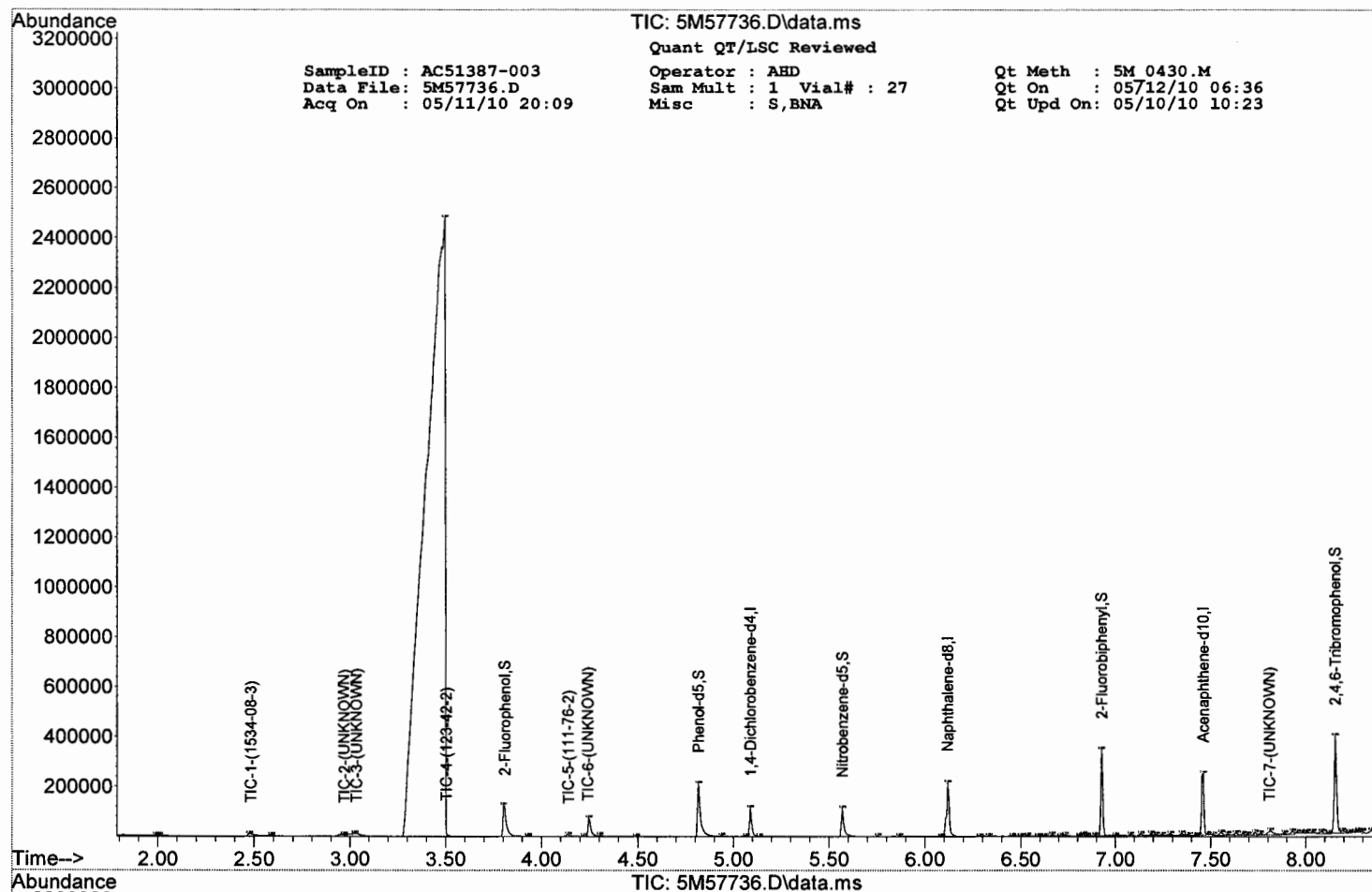
SampleID : AC51387-003 Operator : AHD Qt Meth : 5M_0430.M
 Data File: 5M57736.D Sam Mult : 1 Vial# : 27 Qt On : 05/12/10 06:36
 Acq On : 05/11/10 20:09 Misc : S,BNA Qt Upd On: 05/10/10 10:23

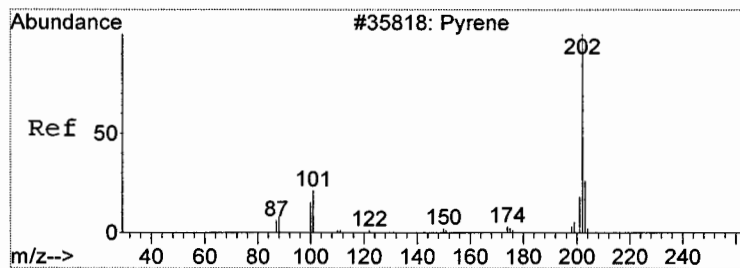
Data Path : G:\GcMsData\2010\GCMS_5\Data\05-1110\
 Qt Path : G:\GCMSDATA\2010\GCMS_5\METHODQT\
 Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.089	152	12947	40.00	ng	-0.17
29) Naphthalene-d8	6.120	136	61615	40.00	ng	-0.17
47) Acenaphthene-d10	7.461	164	42550	40.00	ng	-0.18
73) Phenanthrene-d10	8.834	188	90172	40.00	ng	-0.21
87) Chrysene-d12	11.841	240	82215	40.00	ng	-0.23
102) Perylene-d12	13.444	264	90551	40.00	ng	-0.22
System Monitoring Compounds						
10) 2-Fluorophenol	3.807	112	34902	86.50	ng	-0.19
Spiked Amount 100.000			Recovery =	86.50%		
15) Phenol-d5	4.816	99	61735	106.63	ng	-0.16
Spiked Amount 100.000			Recovery =	106.63%		
30) Nitrobenzene-d5	5.570	128	11899	48.29	ng	-0.16
Spiked Amount 50.000			Recovery =	96.58%		
52) 2-Fluorobiphenyl	6.927	172	69417	47.73	ng	-0.17
Spiked Amount 50.000			Recovery =	95.46%		
76) 2,4,6-Tribromophenol	8.155	330	24042	119.02	ng	-0.20
Spiked Amount 100.000			Recovery =	119.02%		
90) Terphenyl-d14	10.613	244	120642	53.65	ng	-0.21
Spiked Amount 50.000			Recovery =	107.30%		
Target Compounds						
88) Pyrene	10.415	202	14740	4.45	ng	Qvalue 76
Library Search Internal Standards TIC Results						
1) 1,4-Dichlorobenzene-d4	5.089		95544	40.00	ng	--
2) Naphthalene-d8	6.120		140508m	40.00	ng	--
3) Acenaphthene-d10	7.461		219366	40.00	ng	--
4) Phenanthrene-d10	8.834		268764	40.00	ng	--
5) Chrysene-d12	11.836		259396	40.00	ng	--
6) Perylene-d12	13.444		267884	40.00	ng	--
Library Search Compounds						
145.13.10 1) ~~1534-08-3~~ 141-79-7	2.480		21470	8.99	ng	72
2) UNKNOWN	2.970		17755	7.43	ng	--
3) UNKNOWN	3.030		45085	18.88	ng	--
4) 123-42-2	3.500	17340787	7259.81	ng		50
5) 111-76-2	4.140		11357	4.75	ng	64
6) UNKNOWN	4.240		78345	32.80	ng	--
7) UNKNOWN	7.810		34051	6.21	ng	--
8) UNKNOWN	9.270		30873	4.59	ng	--
9) 10544-50-0	9.370		30180	4.49	ng	50
10) 3674-66-6	9.990		35069	5.22	ng	93
11) UNKNOWN	11.780		26781	4.13	ng	--
12) UNKNOWN	12.550		27407	4.23	ng	--
13) UNKNOWN	14.260		32958	4.92	ng	--
14) UNKNOWN	14.510		85529	12.77	ng	--
15) UNKNOWN	15.020		87303	13.04	ng	--
16) UNKNOWN	15.180		49155	7.34	ng	--
17) UNKNOWN	15.350		236352	35.29	ng	--

(#) = qualifier out of range (m) = manual integration (+) = signals summed

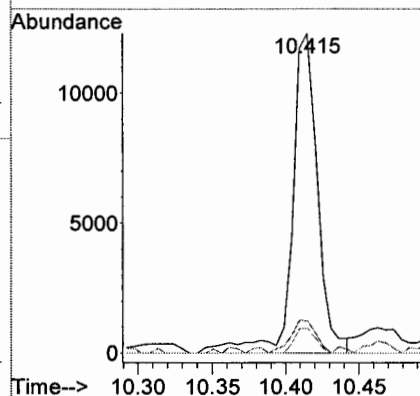
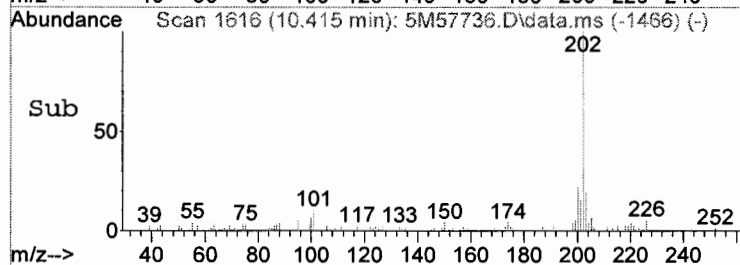
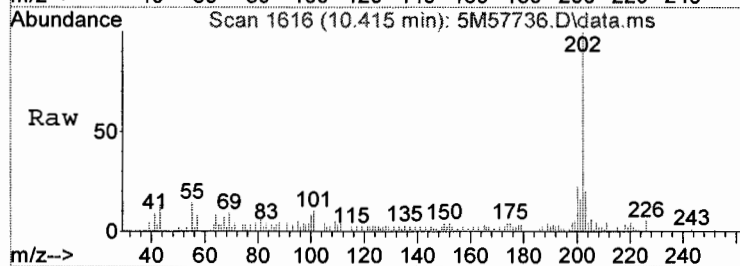
ke





#88
Pyrene
Concen: 4.45 ng
RT: 10.415 min Scan# 1616
Delta R.T. -0.214 min
Lab File: 5M57736.D
Acq: 11 May 2010 20:09

Tgt Ion: 202 Resp: 14740
Ion Ratio Lower Upper
202 100
101 10.0 0.0 62.2
100 7.7 0.0 57.8



Data Path : G:\GcMsData\2010\GCMS_5\Data\05-1110\
 Data File : 5M57736.D
 Acq On : 11 May 2010 20:09
 Operator : AHD
 Sample : AC51387-003
 Misc : S,BNA
 ALS Vial : 27 Sample Multiplier: 1

Integration Parameters: LSCINT.P

Integrator: RTE
 Smoothing : OFF
 Sampling : 1
 Start Thrs: 0.05
 Stop Thrs : 0

Filtering: 5
 Min Area: 500 Area counts
 Max Peaks: 250
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 1

Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0430.M
 Title : @GCMS_5,mg,625,8270

Signal : TIC: 5M57736.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.990	36	39	41	rBV3	3024	3349	0.02%	0.015%
2	2.006	41	42	47	rVB3	3418	2908	0.02%	0.013%
3	2.476	126	130	138	rBV2	9979	21470	0.12%	0.096%
4	2.589	147	151	157	rVB2	4098	6945	0.04%	0.031%
5	2.968	215	222	223	rBV5	8251	17755	0.10%	0.079%
6	3.027	225	233	248	rVB4	11919	45085	0.26%	0.201%
7	3.497	279	321	323	rBV	2480106	17340787	100.00%	77.344%
8	3.801	375	378	393	rBV	123925	156376	0.90%	0.697%
9	3.930	398	402	407	rVB3	2772	3594	0.02%	0.016%
10	4.138	438	441	453	rVB	7639	11357	0.07%	0.051%
11	4.218	453	456	459	rBV	3004	2795	0.02%	0.012%
12	4.245	459	461	470	rVV	73941	78345	0.45%	0.349%
13	4.304	470	472	478	rVB2	5607	5965	0.03%	0.027%
14	4.490	504	507	514	rVB4	1553	2549	0.01%	0.011%
15	4.816	565	568	589	rBV	212192	222641	1.28%	0.993%
16	4.939	589	591	593	rVB	2814	1908	0.01%	0.009%
17	5.067	611	615	616	rBV	2037	1956	0.01%	0.009%
18	5.089	616	619	626	rVV	115141	93309	0.54%	0.416%
19	5.137	626	628	632	rVB2	1884	1526	0.01%	0.007%
20	5.570	706	709	723	rBV	112651	105747	0.61%	0.472%
21	5.757	741	744	746	rBV2	2678	1905	0.01%	0.008%
22	5.869	762	765	768	rVB2	2388	1969	0.01%	0.009%
23	6.088	802	806	807	rBV	1958	1717	0.01%	0.008%
24	6.120	807	812	821	rVV2	214198	205403	1.18%	0.916%
25	6.285	838	843	845	rBV2	1779	2387	0.01%	0.011%
26	6.334	850	852	854	rVB2	2022	1547	0.01%	0.007%
27	6.456	873	875	878	rVB2	3315	3135	0.02%	0.014%
28	6.499	878	883	885	rBV3	2088	2959	0.02%	0.013%
29	6.537	885	890	892	rVB3	2228	2358	0.01%	0.011%
30	6.590	898	900	904	rVB4	1661	1728	0.01%	0.008%
31	6.627	904	907	910	rVV4	1722	1615	0.01%	0.007%
32	6.665	910	914	918	rVB2	7885	7115	0.04%	0.032%
33	6.708	918	922	924	rBV3	1369	1885	0.01%	0.008%
34	6.734	924	927	930	rVV3	6492	6783	0.04%	0.030%
35	6.809	938	941	943	rBV2	1530	1390	0.01%	0.006%

Data Path : G:\GcMsData\2010\GCMS_5\Data\05-1110\
 Data File : 5M57736.D
 Acq On : 11 May 2010 20:09
 Operator : AHD
 Sample : AC51387-003
 Misc : S,BNA
 ALS Vial : 27 Sample Multiplier: 1

Integration Parameters: LSCINT.P

Integrator: RTE
 Smoothing : OFF
 Sampling : 1
 Start Thrs: 0.05
 Stop Thrs : 0

Filtering: 5
 Min Area: 500 Area counts
 Max Peaks: 250
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 1

Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0430.M
 Title : @GCMS_5,mg,625,8270

36	6.830	943	945	948	rVV2	7980	7397	0.04%	0.033%
37	6.852	948	949	951	rVB2	2437	1516	0.01%	0.007%
38	6.894	955	957	960	rBV3	3633	2818	0.02%	0.013%
39	6.927	960	963	969	rVV	344514	232406	1.34%	1.037%
40	7.001	976	977	980	rVB3	1679	1332	0.01%	0.006%
41	7.081	989	992	998	rVB4	5649	6778	0.04%	0.030%
42	7.135	998	1002	1005	rBV4	8822	9367	0.05%	0.042%
43	7.188	1010	1012	1014	rBV2	8891	6134	0.04%	0.027%
44	7.210	1014	1016	1021	rVV3	5152	4908	0.03%	0.022%
45	7.247	1021	1023	1025	rVV3	3592	2347	0.01%	0.010%
46	7.290	1025	1031	1034	rVV3	6632	7782	0.04%	0.035%
47	7.349	1037	1042	1045	rBV3	8993	9095	0.05%	0.041%
48	7.381	1045	1048	1049	rVB3	2157	1812	0.01%	0.008%
49	7.418	1052	1055	1056	rBV	3003	2349	0.01%	0.010%
50	7.434	1056	1058	1059	rVV	1985	1470	0.01%	0.007%
51	7.461	1059	1063	1066	rVV	246825	203892	1.18%	0.909%
52	7.482	1066	1067	1069	rVB2	3324	2086	0.01%	0.009%
53	7.514	1072	1073	1076	rVB3	3769	2209	0.01%	0.010%
54	7.557	1076	1081	1084	rBV2	11815	13828	0.08%	0.062%
55	7.589	1084	1087	1091	rBV6	5648	5065	0.03%	0.023%
56	7.632	1091	1095	1099	rVB3	9775	10983	0.06%	0.049%
57	7.669	1099	1102	1104	rBV3	7318	6230	0.04%	0.028%
58	7.696	1104	1107	1110	rVB4	4456	4939	0.03%	0.022%
59	7.733	1110	1114	1117	rBV2	12228	12692	0.07%	0.057%
60	7.760	1117	1119	1122	rVB3	6480	5741	0.03%	0.026%
61	7.813	1122	1129	1139	rBV4	18073	34051	0.20%	0.152%
62	7.888	1139	1143	1145	rBV4	6456	6996	0.04%	0.031%
63	7.931	1145	1151	1153	rBV3	13234	14858	0.09%	0.066%
64	7.958	1153	1156	1157	rBV3	3679	3026	0.02%	0.013%
65	7.984	1160	1161	1164	rVB3	3265	2341	0.01%	0.010%
66	8.006	1164	1165	1169	rBV4	5892	4528	0.03%	0.020%
67	8.038	1169	1171	1175	rVB3	7302	7424	0.04%	0.033%
68	8.086	1175	1180	1183	rVB5	9290	12866	0.07%	0.057%
69	8.123	1183	1187	1189	rBV5	4536	5575	0.03%	0.025%
70	8.155	1189	1193	1198	rBV	387982	316750	1.83%	1.413%
71	8.193	1198	1200	1205	rVB4	8865	11427	0.07%	0.051%
72	8.230	1205	1207	1209	rBV3	3561	3576	0.02%	0.016%
73	8.262	1211	1213	1214	rBV2	2812	2408	0.01%	0.011%
74	8.278	1214	1216	1219	rVV4	6778	7369	0.04%	0.033%
75	8.300	1219	1220	1225	rVB5	7885	4056	0.02%	0.018%

Data Path : G:\GcMsData\2010\GCMS_5\Data\05-1110\
 Data File : 5M57736.D
 Acq On : 11 May 2010 20:09
 Operator : AHD
 Sample : AC51387-003
 Misc : S,BNA
 ALS Vial : 27 Sample Multiplier: 1

Integration Parameters: LSCINT.P

Integrator: RTE
 Smoothing : OFF
 Sampling : 1
 Start Thrs: 0.05
 Stop Thrs : 0

Filtering: 5
 Min Area: 500 Area counts
 Max Peaks: 250
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 1

Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0430.M
 Title : @GCMS_5,mg,625,8270

76	8.348	1225	1229	1231	rBV5	10495	11399	0.07%	0.051%
77	8.374	1231	1234	1236	rBV4	4847	6588	0.04%	0.029%
78	8.422	1239	1243	1244	rBV4	3438	3976	0.02%	0.018%
79	8.444	1244	1247	1250	rBV4	10051	11828	0.07%	0.053%
80	8.476	1250	1253	1255	rBV4	18225	18867	0.11%	0.084%
81	8.524	1261	1262	1266	rVB4	9453	6117	0.04%	0.027%
82	8.556	1266	1268	1270	rBV3	7826	7411	0.04%	0.033%
83	8.593	1270	1275	1277	rVV5	5234	8714	0.05%	0.039%
84	8.641	1282	1284	1287	rBV4	4912	4248	0.02%	0.019%
85	8.668	1287	1289	1291	rBV3	2437	1575	0.01%	0.007%
86	8.689	1291	1293	1295	rBV2	9029	9507	0.05%	0.042%
87	8.748	1299	1304	1305	rBV5	6741	9613	0.06%	0.043%
88	8.764	1305	1307	1312	rVB5	6172	8362	0.05%	0.037%
89	8.834	1316	1320	1325	rBV	308711	268028	1.55%	1.195%
90	8.866	1325	1326	1327	rBV	3187	1525	0.01%	0.007%
91	8.898	1328	1332	1333	rVV4	10200	10075	0.06%	0.045%
92	8.919	1333	1336	1338	rVB3	7249	8653	0.05%	0.039%
93	8.967	1339	1345	1347	rBV4	13891	20232	0.12%	0.090%
94	8.989	1347	1349	1351	rBV2	6914	4867	0.03%	0.022%
95	9.010	1351	1353	1355	rBV3	6867	6750	0.04%	0.030%
96	9.042	1357	1359	1362	rBV	26867	22472	0.13%	0.100%
97	9.095	1364	1369	1370	rBV3	10267	14921	0.09%	0.067%
98	9.128	1373	1375	1376	rBV2	4024	3156	0.02%	0.014%
99	9.138	1376	1377	1380	rVV3	4683	5518	0.03%	0.025%
100	9.181	1382	1385	1387	rBV3	22082	23985	0.14%	0.107%
101	9.234	1393	1395	1396	rBV2	7533	4422	0.03%	0.020%
102	9.272	1398	1402	1405	rBV3	21442	30873	0.18%	0.138%
103	9.373	1417	1421	1423	rBV2	26331	30180	0.17%	0.135%
104	9.400	1423	1426	1429	rVV3	14647	25126	0.14%	0.112%
105	9.459	1435	1437	1438	rBV2	9830	8003	0.05%	0.036%
106	9.491	1438	1443	1444	rBV3	22935	30751	0.18%	0.137%
107	9.988	1533	1536	1539	rVB2	35315	35069	0.20%	0.156%
108	10.020	1539	1542	1546	rVB4	19016	22913	0.13%	0.102%
109	10.052	1546	1548	1551	rVB4	12289	8646	0.05%	0.039%
110	10.084	1551	1554	1558	rVB4	16334	22353	0.13%	0.100%
111	10.127	1558	1562	1566	rVB4	13147	15369	0.09%	0.069%
112	10.164	1566	1569	1571	rBV2	10724	10067	0.06%	0.045%
113	10.185	1571	1573	1576	rBV4	5239	4014	0.02%	0.018%
114	10.223	1577	1580	1587	rVB9	9547	13340	0.08%	0.059%

Data Path : G:\GcMsData\2010\GCMS_5\Data\05-1110\
 Data File : 5M57736.D
 Acq On : 11 May 2010 20:09
 Operator : AHD
 Sample : AC51387-003
 Misc : S,BNA
 ALS Vial : 27 Sample Multiplier: 1

Integration Parameters: LSCINT.P

Integrator: RTE
 Smoothing : OFF
 Sampling : 1
 Start Thrs: 0.05
 Stop Thrs : 0

Filtering: 5
 Min Area: 500 Area counts
 Max Peaks: 250
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 1

Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0430.M
 Title : @GCMS_5,mg,625,8270

115	10.271	1587	1589	1594	rVB5	10403	11953	0.07%	0.053%
116	10.303	1594	1595	1597	rBV2	5276	3462	0.02%	0.015%
117	10.324	1597	1599	1601	rVB3	4094	3422	0.02%	0.015%
118	10.351	1601	1604	1606	rBV3	9829	10309	0.06%	0.046%
119	10.378	1606	1609	1612	rVB5	7824	7645	0.04%	0.034%
120	10.415	1612	1616	1620	rBV	30543	34948	0.20%	0.156%
121	10.463	1621	1625	1630	rVB3	12098	15220	0.09%	0.068%
122	10.506	1630	1633	1636	rBV2	20129	21721	0.13%	0.097%
123	10.533	1636	1638	1642	rVB5	6132	5208	0.03%	0.023%
124	10.570	1642	1645	1646	rBV2	10860	10995	0.06%	0.049%
125	10.613	1646	1653	1661	rVB	419072	428559	2.47%	1.911%
126	10.682	1661	1666	1667	rBV5	7158	9094	0.05%	0.041%
127	10.709	1669	1671	1676	rVB6	7539	7709	0.04%	0.034%
128	10.757	1676	1680	1683	rBV4	13178	17473	0.10%	0.078%
129	10.789	1683	1686	1688	rVV4	7093	8934	0.05%	0.040%
130	10.810	1688	1690	1694	rVB5	10248	11015	0.06%	0.049%
131	10.853	1694	1698	1699	rBV3	4369	3491	0.02%	0.016%
132	10.880	1702	1703	1705	rBV2	3139	2391	0.01%	0.011%
133	10.928	1709	1712	1715	rBV	19085	22605	0.13%	0.101%
134	10.949	1715	1716	1721	rVV5	9254	11151	0.06%	0.050%
135	10.987	1721	1723	1729	rVB6	6061	6912	0.04%	0.031%
136	11.035	1729	1732	1736	rBV	17109	20956	0.12%	0.093%
137	11.072	1736	1739	1744	rBV2	12401	14025	0.08%	0.063%
138	11.110	1744	1746	1747	rBV2	4663	3717	0.02%	0.017%
139	11.136	1748	1751	1754	rVV3	9213	11339	0.07%	0.051%
140	11.158	1754	1755	1758	rVB3	5510	4208	0.02%	0.019%
141	11.190	1758	1761	1764	rBV5	4083	5249	0.03%	0.023%
142	11.254	1771	1773	1775	rBV2	3255	2252	0.01%	0.010%
143	11.297	1778	1781	1782	rBV3	6648	5145	0.03%	0.023%
144	11.329	1785	1787	1792	rVB6	13461	16326	0.09%	0.073%
145	11.414	1801	1803	1809	rVB7	5254	5811	0.03%	0.026%
146	11.483	1813	1816	1819	rBV2	9072	9813	0.06%	0.044%
147	11.532	1819	1825	1827	rBV4	11857	17855	0.10%	0.080%
148	11.622	1836	1842	1846	rBV9	6545	12046	0.07%	0.054%
149	11.665	1846	1850	1853	rVB5	13120	13883	0.08%	0.062%
150	11.697	1853	1856	1859	rBV5	5486	6767	0.04%	0.030%
151	11.735	1859	1863	1864	rBV4	3342	4055	0.02%	0.018%
152	11.777	1865	1871	1875	rBV8	16621	26781	0.15%	0.119%
153	11.836	1878	1882	1888	rBV	219617	244781	1.41%	1.092%

Data Path : G:\GcMsData\2010\GCMS_5\Data\05-1110\
 Data File : 5M57736.D
 Acq On : 11 May 2010 20:09
 Operator : AHD
 Sample : AC51387-003
 Misc : S,BNA
 ALS Vial : 27 Sample Multiplier: 1

Integration Parameters: LSCINT.P

Integrator: RTE
 Smoothing : OFF
 Sampling : 1
 Start Thrs: 0.05
 Stop Thrs : 0

Filtering: 5
 Min Area: 500 Area counts
 Max Peaks: 250
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 1

Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0430.M
 Title : @GCMS_5,mg,625,8270

154	11.916	1893	1897	1901	rBV7	10071	11110	0.06%	0.050%
155	11.948	1901	1903	1909	rVB7	9200	12378	0.07%	0.055%
156	12.007	1912	1914	1917	rVB4	3588	2813	0.02%	0.013%
157	12.044	1918	1921	1923	rBV4	6216	6492	0.04%	0.029%
158	12.114	1925	1934	1936	rBV10	8130	16045	0.09%	0.072%
159	12.135	1936	1938	1939	rBV2	4101	3887	0.02%	0.017%
160	12.322	1970	1973	1975	rBV	10658	9149	0.05%	0.041%
161	12.360	1977	1980	1985	rBV6	9998	10850	0.06%	0.048%
162	12.434	1992	1994	1995	rBV2	3991	3005	0.02%	0.013%
163	12.552	2008	2016	2023	rBV2	12477	27407	0.16%	0.122%
164	12.627	2028	2030	2035	rVB6	7068	9164	0.05%	0.041%
165	12.680	2036	2040	2041	rBV4	6080	5797	0.03%	0.026%
166	12.707	2041	2045	2051	rVV7	12750	22587	0.13%	0.101%
167	12.803	2057	2063	2064	rBV6	9592	13276	0.08%	0.059%
168	12.824	2064	2067	2071	rVV6	10383	13692	0.08%	0.061%
169	12.894	2078	2080	2085	rBV5	8338	13911	0.08%	0.062%
170	12.985	2095	2097	2101	rBV5	6285	10751	0.06%	0.048%
171	13.118	2120	2122	2124	rBV3	5020	3967	0.02%	0.018%
172	13.172	2130	2132	2133	rVB2	3946	2414	0.01%	0.011%
173	13.188	2133	2135	2136	rBV2	4553	3525	0.02%	0.016%
174	13.209	2136	2139	2141	rVV4	5435	6883	0.04%	0.031%
175	13.246	2141	2146	2150	rVB5	14707	16219	0.09%	0.072%
176	13.284	2150	2153	2156	rBV5	9157	12190	0.07%	0.054%
177	13.375	2168	2170	2171	rVB2	4493	2218	0.01%	0.010%
178	13.396	2172	2174	2178	rVB4	7092	5863	0.03%	0.026%
179	13.444	2178	2183	2189	rBV	264286	284929	1.64%	1.271%
180	13.647	2216	2221	2226	rBV9	11126	23196	0.13%	0.103%
181	13.684	2226	2228	2230	rBV3	3702	3398	0.02%	0.015%
182	13.797	2247	2249	2251	rBV3	6592	6593	0.04%	0.029%
183	13.850	2257	2259	2263	rBV5	4866	6026	0.03%	0.027%
184	13.914	2268	2271	2274	rBV4	10988	13839	0.08%	0.062%
185	13.952	2276	2278	2283	rVB6	6839	8989	0.05%	0.040%
186	14.192	2319	2323	2326	rBV6	7556	9327	0.05%	0.042%
187	14.256	2328	2335	2338	rVB7	19720	32958	0.19%	0.147%
188	14.379	2356	2358	2362	rVB4	11285	10087	0.06%	0.045%
189	14.422	2364	2366	2370	rVB5	5559	5559	0.03%	0.025%
190	14.513	2378	2383	2388	rBV3	61272	85529	0.49%	0.381%
191	14.603	2398	2400	2405	rBV6	4519	3593	0.02%	0.016%
192	14.657	2407	2410	2416	rVB7	18425	23723	0.14%	0.106%

Data Path : G:\GcMsData\2010\GCMS_5\Data\05-1110\
 Data File : 5M57736.D
 Acq On : 11 May 2010 20:09
 Operator : AHD
 Sample : AC51387-003
 Misc : S,BNA
 ALS Vial : 27 Sample Multiplier: 1

Integration Parameters: LSCINT.P

Integrator: RTE
 Smoothing : OFF
 Sampling : 1
 Start Thrs: 0.05
 Stop Thrs : 0

Filtering: 5
 Min Area: 500 Area counts
 Max Peaks: 250
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 1

Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0430.M
 Title : @GCMS_5,mg,625,8270

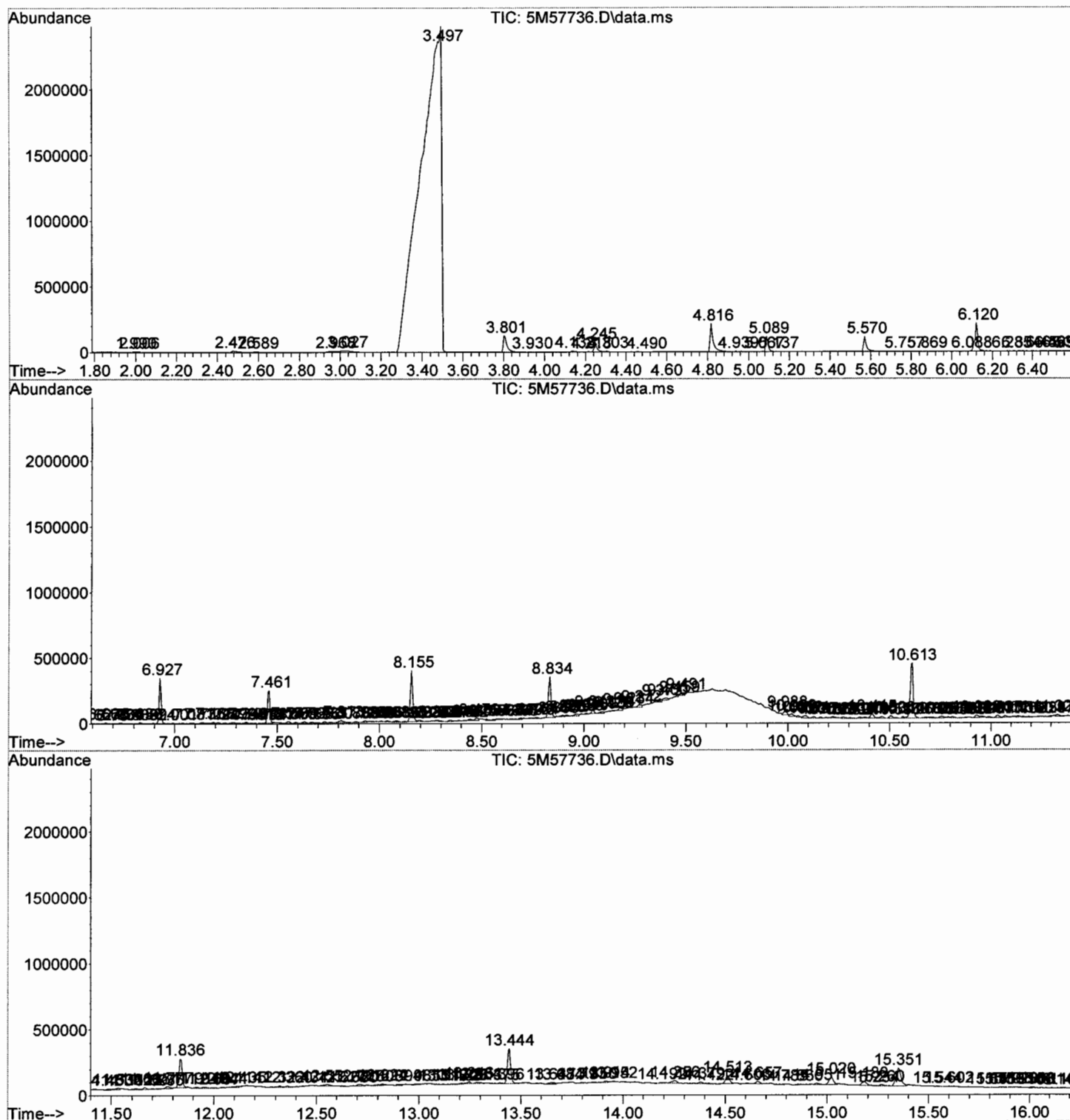
193	14.785	2432	2434	2435	rBV2	5008	2956	0.02%	0.013%
194	14.860	2444	2448	2449	rBV4	7344	7810	0.05%	0.035%
195	14.951	2462	2465	2472	rVB9	11078	15777	0.09%	0.070%
196	15.020	2472	2478	2484	rBV2	56620	87303	0.50%	0.389%
197	15.180	2504	2508	2514	rVB5	32226	49155	0.28%	0.219%
198	15.234	2516	2518	2521	rBV4	2715	3007	0.02%	0.013%
199	15.260	2521	2523	2530	rVB8	9199	14185	0.08%	0.063%
200	15.351	2533	2540	2548	rBV	135177	236352	1.36%	1.054%
201	15.544	2574	2576	2582	rVB7	3679	4677	0.03%	0.021%
202	15.602	2585	2587	2588	rBV2	5431	2577	0.01%	0.011%
203	15.811	2624	2626	2628	rBV3	2465	1444	0.01%	0.006%
204	15.853	2632	2634	2635	rBV2	2807	2364	0.01%	0.011%
205	15.896	2640	2642	2643	rBV2	3199	1304	0.01%	0.006%
206	15.923	2645	2647	2648	rBV2	2707	1352	0.01%	0.006%
207	15.955	2651	2653	2655	rVB3	2449	1684	0.01%	0.008%
208	16.008	2661	2663	2667	rVB5	6273	7659	0.04%	0.034%
209	16.110	2681	2682	2683	rBV	2691	1310	0.01%	0.006%
210	16.142	2686	2688	2689	rBV2	4001	2304	0.01%	0.010%
211	16.158	2689	2691	2692	rBV2	3343	2412	0.01%	0.011%

Sum of corrected areas: 22420400

Data Path : G:\GcMsData\2010\GCMS_5\Data\05-1110\
Data File : 5M57736.D
Acq On : 11 May 2010 20:09
Operator : AHD
Sample : AC51387-003
Misc : S,BNA
ALS Vial : 27 Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0430.M
Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_5\Data\05-1110\
 Data File : 5M57736.D
 Acq On : 11 May 2010 20:09
 Operator : AHD
 Sample : AC51387-003
 Misc : S,BNA
 ALS Vial : 27 Sample Multiplier: 1

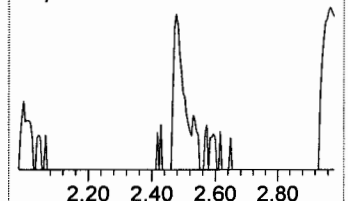
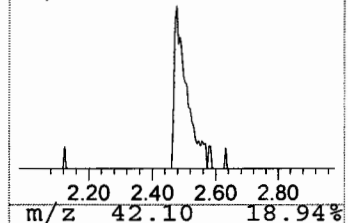
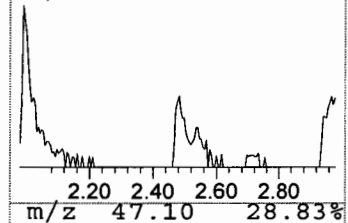
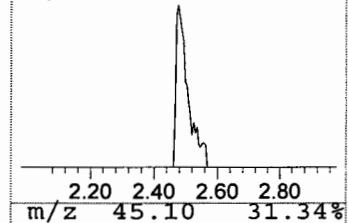
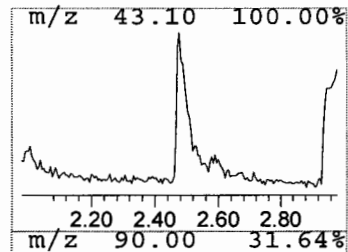
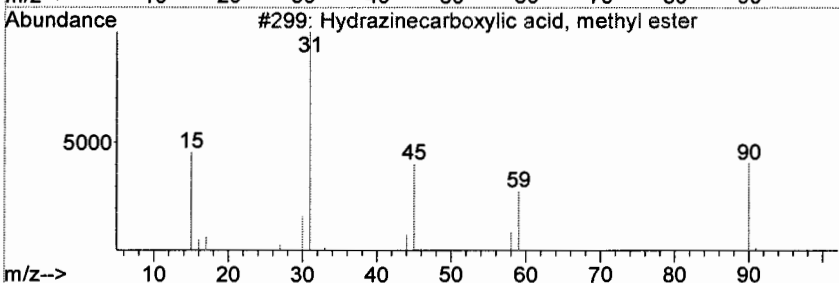
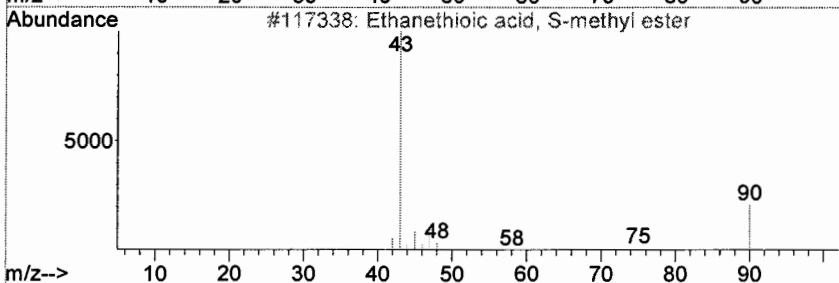
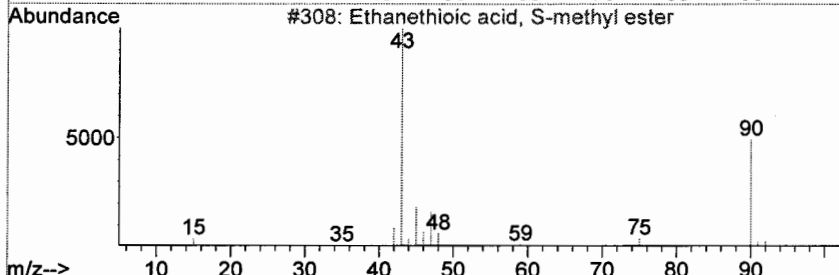
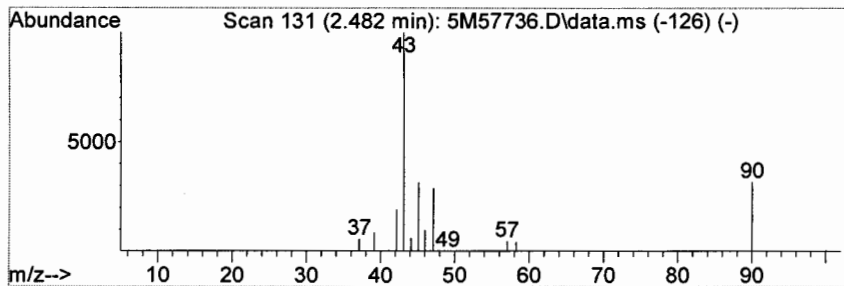
Quant Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0430.M
 Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 1 3-Penten-2-one, 4-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.48	8.99 ng	21470	LibIS-1,4-Dichlorobenzene-d4	5.09

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Ethanethioic acid, S-methyl ester	90	C3H6OS	001534-08-3	72
2			Ethanethioic acid, S-methyl ester	90	C3H6OS	001534-08-3	47
3			Hydrazinecarboxylic acid, methyl...	90	C2H6N2O2	006294-89-9	7
4			Ethanol	46	C2H6O	000064-17-5	5
5			Ethanol	46	C2H6O	000064-17-5	5



Data Path : G:\GcMsData\2010\GCMS_5\Data\05-1110\
Data File : 5M57736.D
Acq On : 11 May 2010 20:09
Operator : AHD
Sample : AC51387-003
Misc : S,BNA
ALS Vial : 27 Sample Multiplier: 1

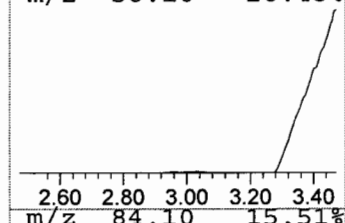
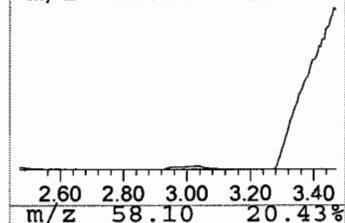
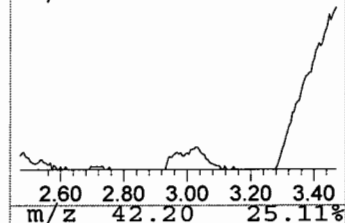
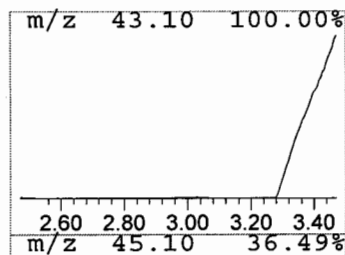
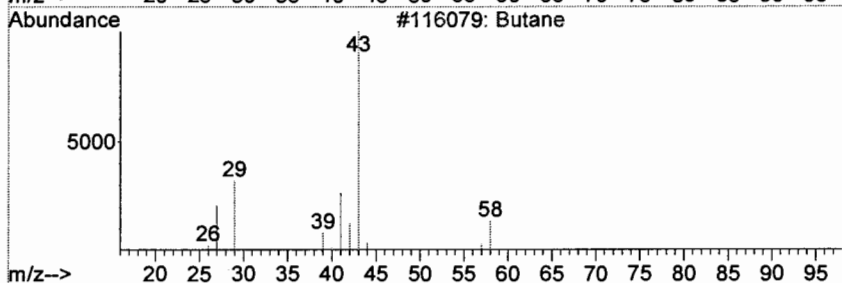
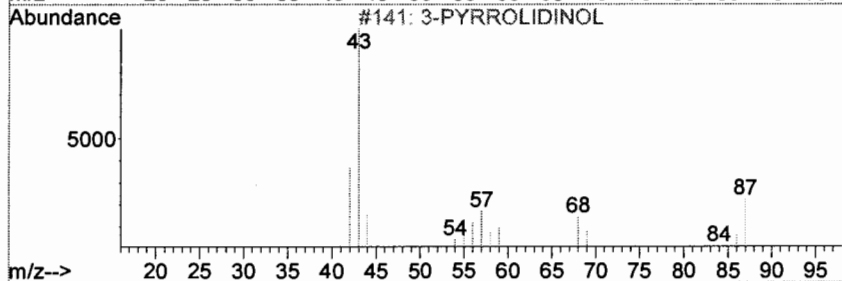
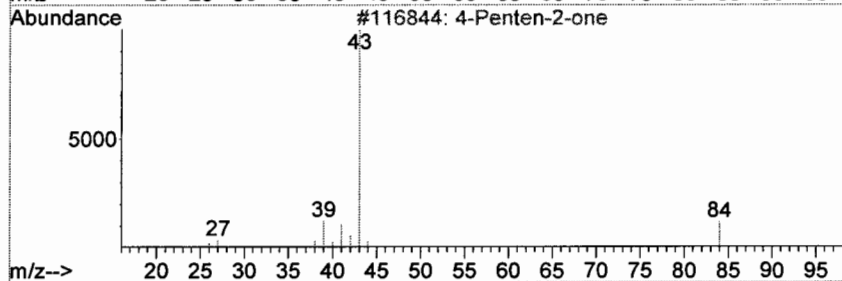
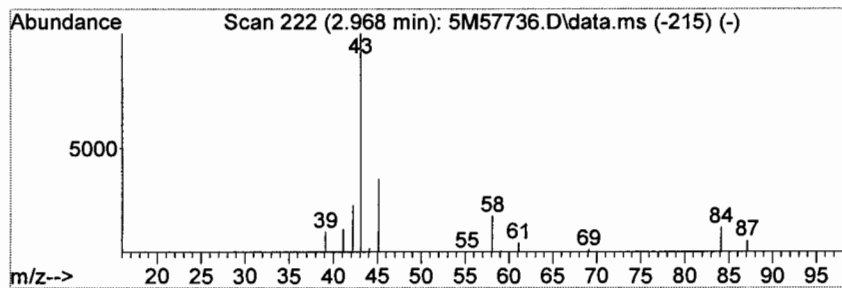
Quant Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0430.M
Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 unknown Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.97	7.43 ng	17755	LibIS-1,4-Dichlorobenzene-d4	5.09

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			4-Penten-2-one	84	C5H8O	013891-87-7	9
2			3-PYRROLIDINOL	87	C4H9NO	040499-83-0	9
3			Butane	58	C4H10	000106-97-8	7
4			1-Butanamine, 3-methyl-	87	C5H13N	000107-85-7	5
5			Butane	58	C4H10	000106-97-8	5



Data Path : G:\GcMsData\2010\GCMS_5\Data\05-1110\
Data File : 5M57736.D
Acq On : 11 May 2010 20:09
Operator : AHD
Sample : AC51387-003
Misc : S,BNA
ALS Vial : 27 Sample Multiplier: 1

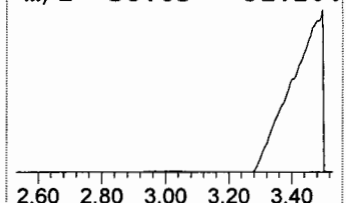
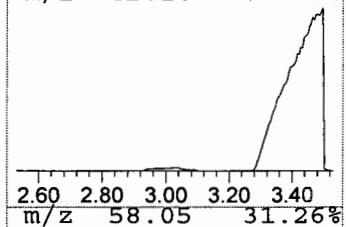
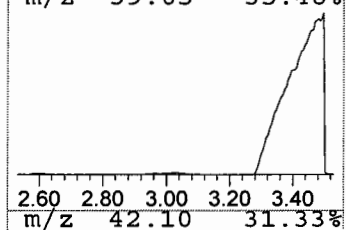
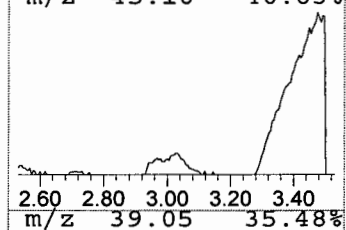
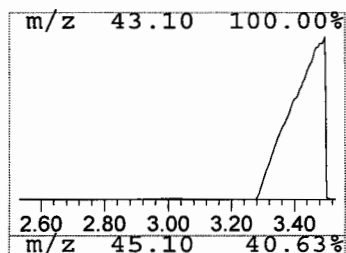
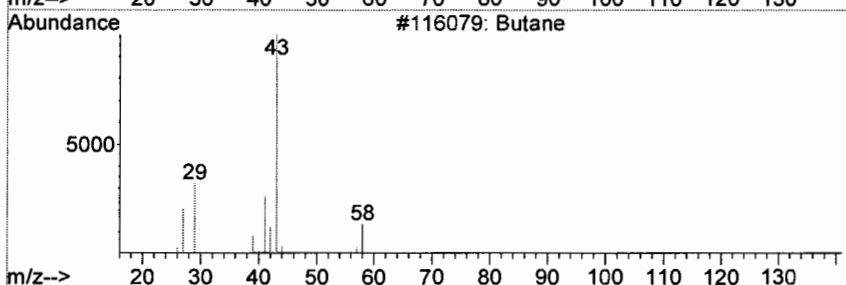
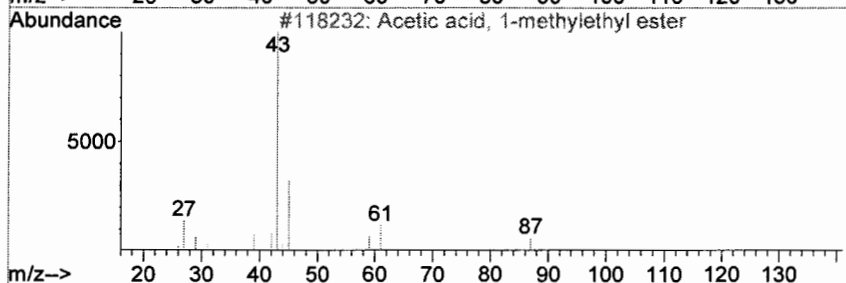
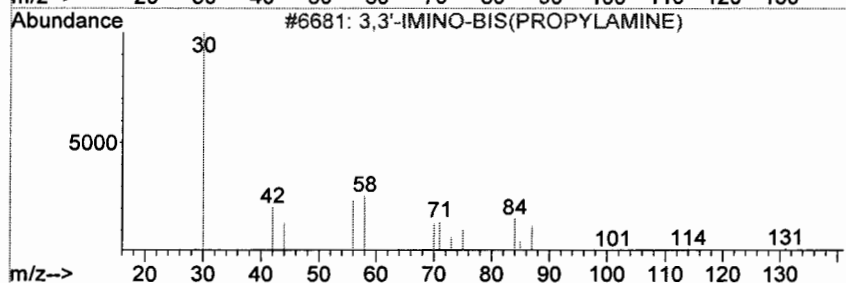
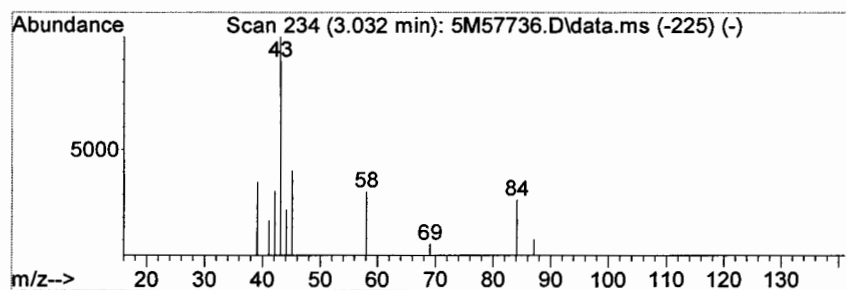
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Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 unknown Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.03	18.88 ng	45085	LibIS-1,4-Dichlorobenzene-d4	5.09

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			3,3'-IMINO-BIS(PROPYLAMINE)	131	C6H17N3	000000-00-0	9
2			Acetic acid, 1-methylethyl ester	102	C5H10O2	000108-21-4	9
3			Butane	58	C4H10	000106-97-8	7
4			1-Butanamine, 3-methyl-	87	C5H13N	000107-85-7	5
5			1-Pentanol, 2-methyl-, acetate	144	C8H16O2	007789-99-3	4



Data Path : G:\GcMsData\2010\GCMS_5\Data\05-1110\
Data File : 5M57736.D
Acq On : 11 May 2010 20:09
Operator : AHD
Sample : AC51387-003
Misc : S,BNA
ALS Vial : 27 Sample Multiplier: 1

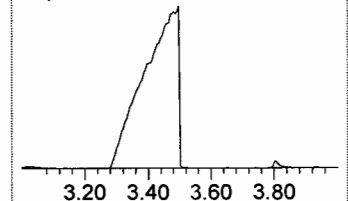
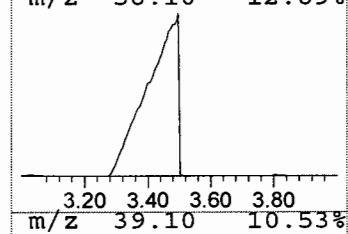
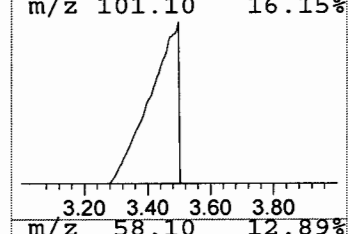
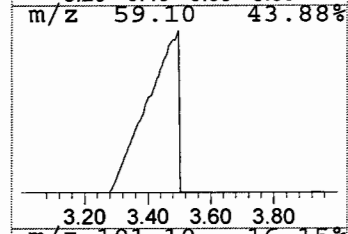
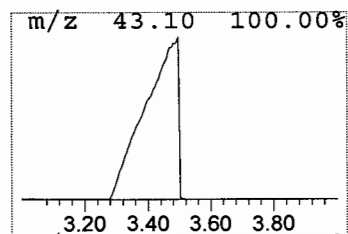
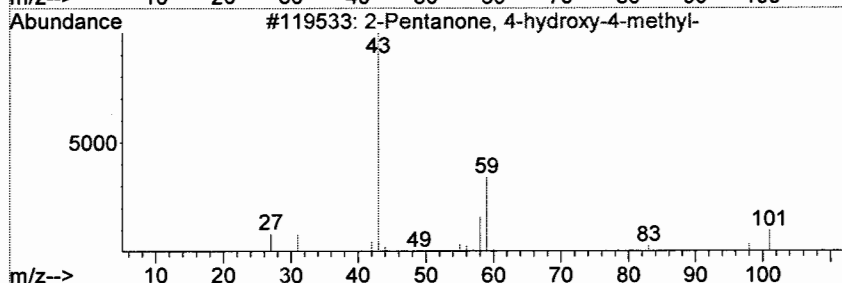
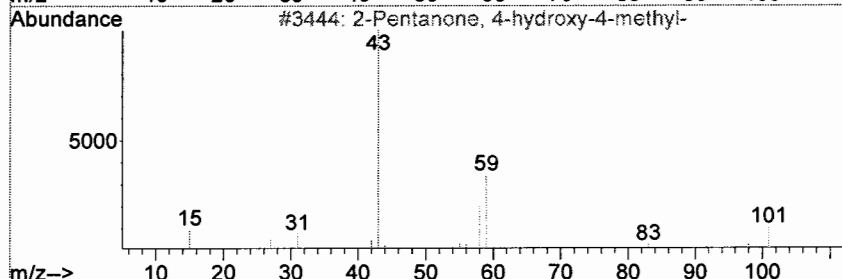
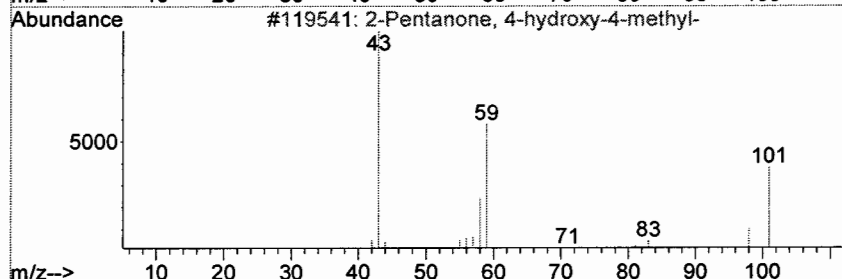
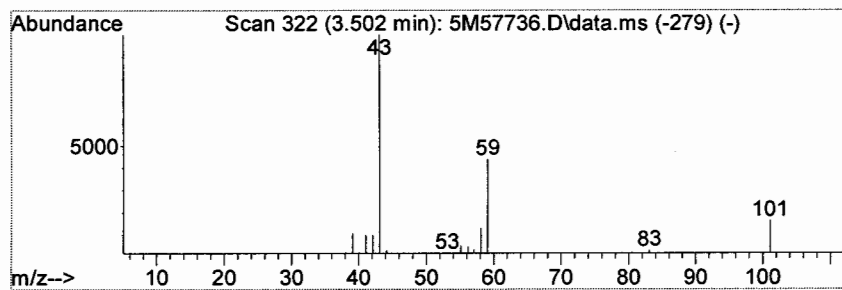
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Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.50	7259.81 ng	17340787	LibIS-1,4-Dichlorobenzene-d4	5.09

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	42
3			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	40
4			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	38
5			Hydroperoxide, 1,1-dimethylethyl	90	C4H10O2	000075-91-2	37



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_5\Data\05-1110\
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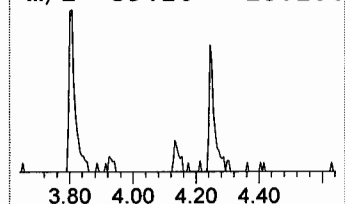
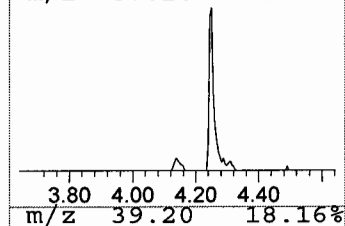
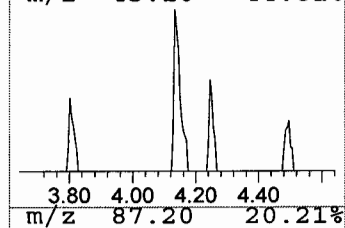
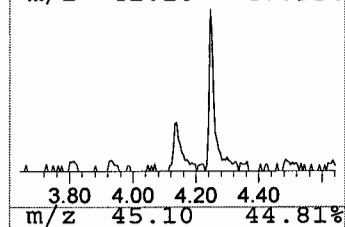
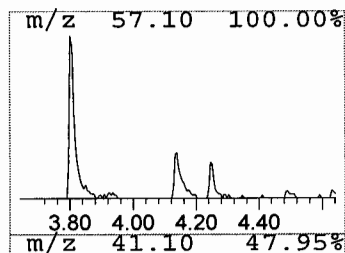
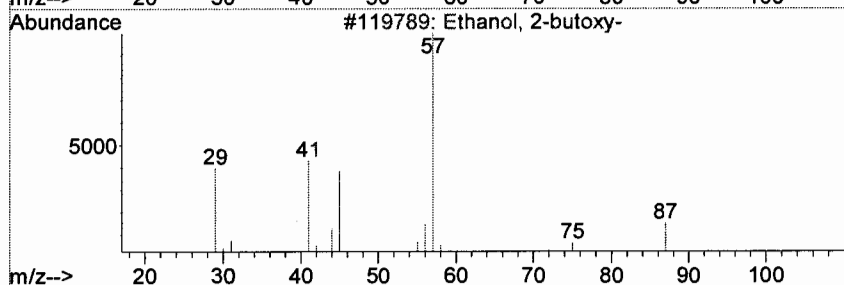
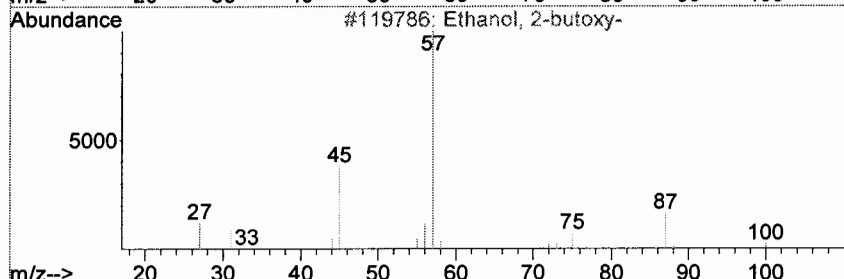
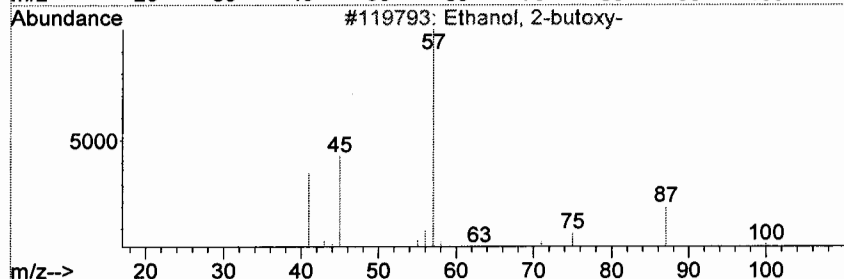
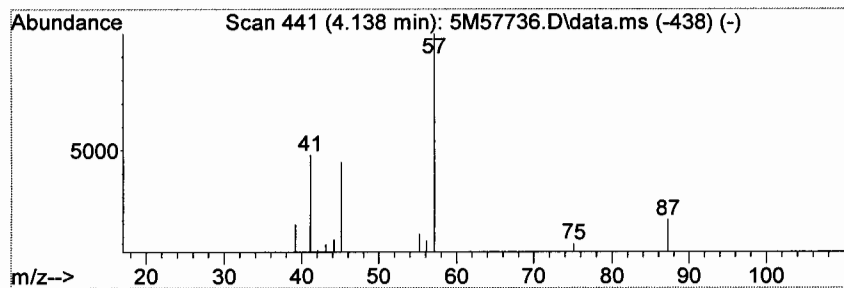
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 Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 5 Ethanol, 2-butoxy- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.14	4.75 ng	11357	LibIS-1,4-Dichlorobenzene-d4	5.09

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Ethanol, 2-butoxy-	118	C6H14O2	000111-76-2	64
2		Ethanol, 2-butoxy-	118	C6H14O2	000111-76-2	64
3		Ethanol, 2-butoxy-	118	C6H14O2	000111-76-2	45
4		Ethanol, 2-butoxy-	118	C6H14O2	000111-76-2	40
5		Ethanol, 2-butoxy-	118	C6H14O2	000111-76-2	40



Data Path : G:\GCMSData\2010\GCMS_5\Data\05-1110\
Data File : 5M57736.D
Acq On : 11 May 2010 20:09
Operator : AHD
Sample : AC51387-003
Misc : S,BNA
ALS Vial : 27 Sample Multiplier: 1

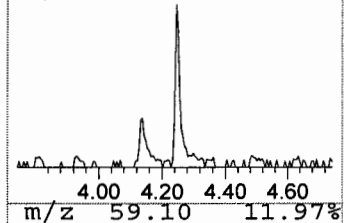
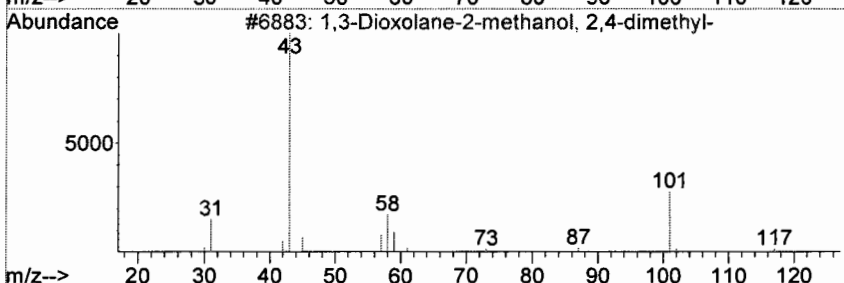
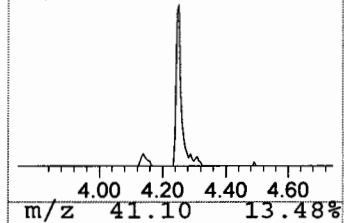
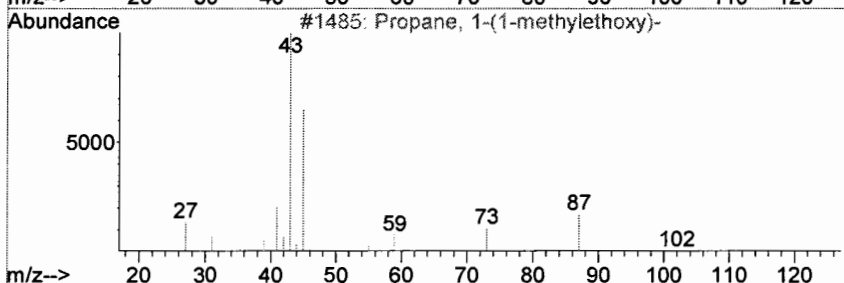
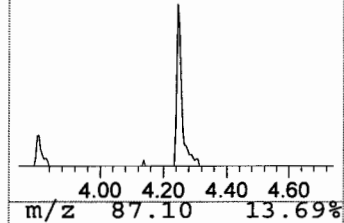
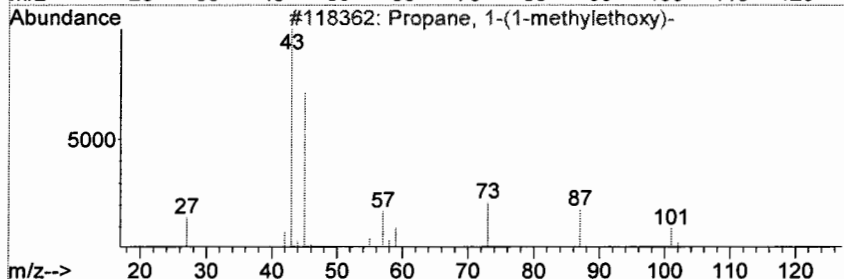
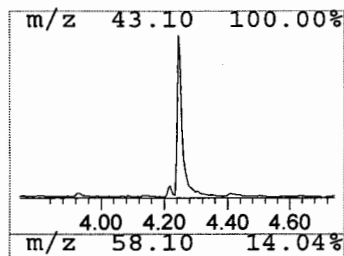
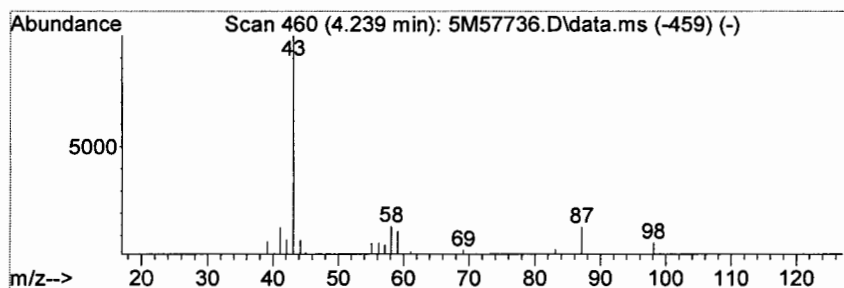
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Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 unknown Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.24	32.80 ng	78345	LibIS-1,4-Dichlorobenzene-d4	5.09

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Propane, 1-(1-methylethoxy)-	102	C6H14O	000627-08-7	33
2			Propane, 1-(1-methylethoxy)-	102	C6H14O	000627-08-7	28
3			1,3-Dioxolane-2-methanol, 2,4-di...	132	C6H12O3	053951-43-2	25
4			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	17
5			4-Penten-2-one, 4-methyl-	98	C6H10O	003744-02-3	10



Data Path : G:\GCMSData\2010\GCMS_5\Data\05-1110\
Data File : 5M57736.D
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Operator : AHD
Sample : AC51387-003
Misc : S,BNA
ALS Vial : 27 Sample Multiplier: 1

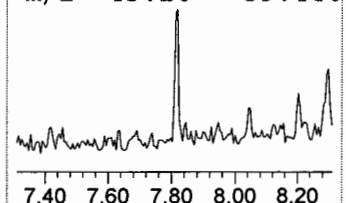
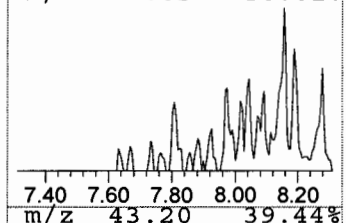
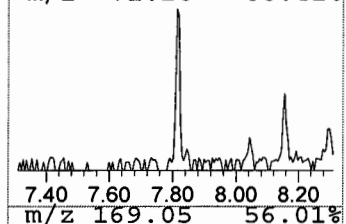
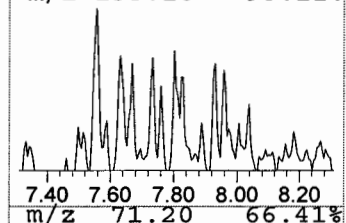
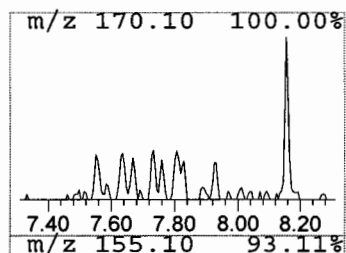
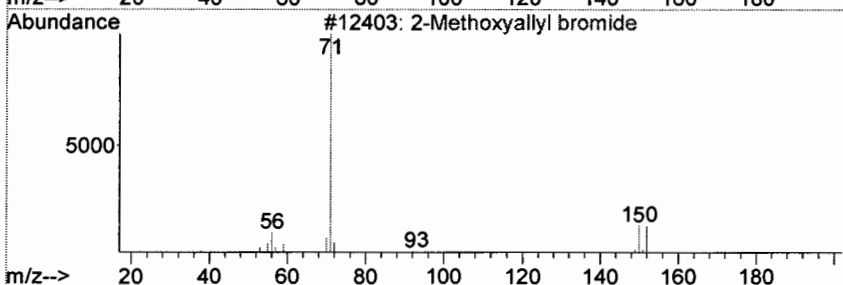
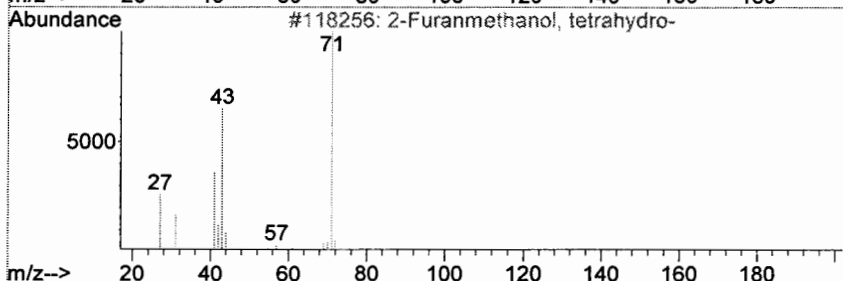
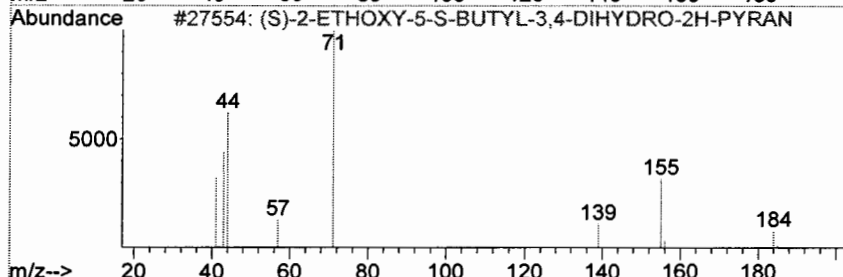
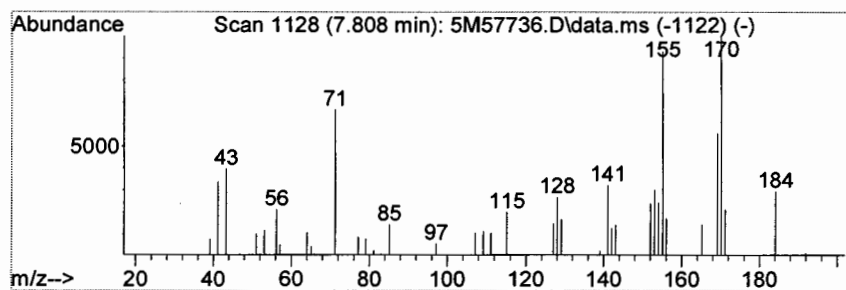
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Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 unknown Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.81	6.21 ng	34051	LibIS-Acenaphthene-d10	7.46

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	(S)-2-ETHOXY-5-S-BUTYL-3,4-DIHYD...	184	C11H20O2	071237-03-1	43		
2	2-Furanmethanol, tetrahydro-	102	C5H10O2	000097-99-4	22		
3	2-Methoxyallyl bromide	150	C4H7BrO	026562-24-3	16		
4	ETHANE-1,1-DIOL DI-N-BUTANOATE	202	C10H18O4	025572-25-2	12		
5	2,7-OCTADIENE, 1-METHOXY-	140	C9H16O	000000-00-0	12		



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_5\Data\05-1110\
 Data File : 5M57736.D
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 Operator : AHD
 Sample : AC51387-003
 Misc : S,BNA
 ALS Vial : 27 Sample Multiplier: 1

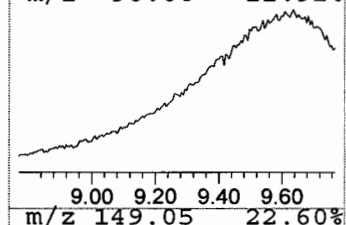
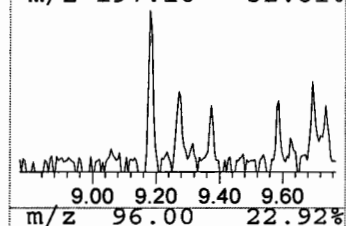
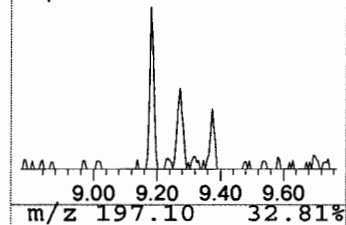
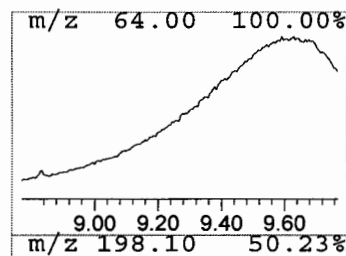
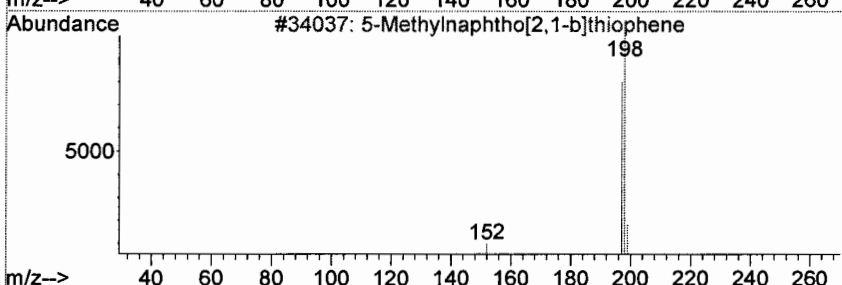
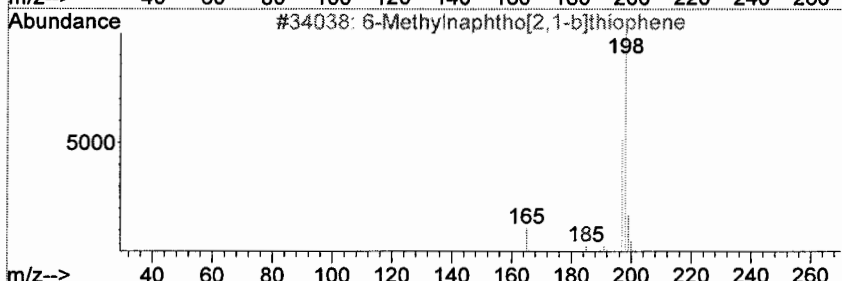
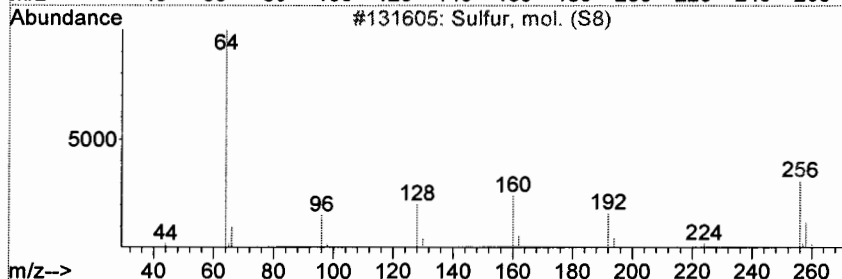
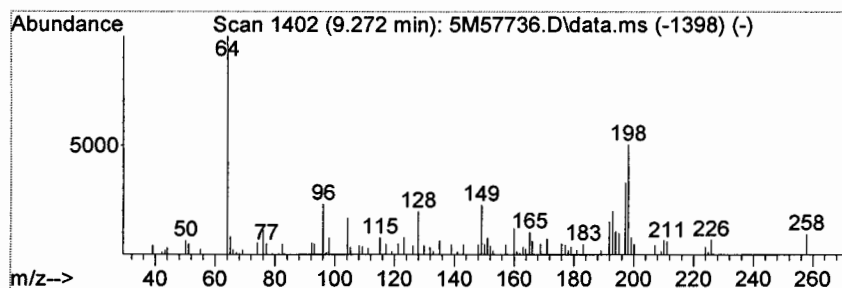
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 Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 8 unknown Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.27	4.59 ng	30873	LibIS-Phenanthrene-d10	8.83

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Sulfur, mol. (S8)	256	S8	010544-50-0	45
2			6-Methylnaphtho[2,1-b]thiophene	198	C13H10S	004567-37-7	43
3			5-Methylnaphtho[2,1-b]thiophene	198	C13H10S	086474-77-3	43
4			4-Methylnaphtho[2,1-b]thiophene	198	C13H10S	067388-22-1	43
5			2-Methylnaphtho[2,1-b]thiophene	198	C13H10S	016587-35-2	37



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_5\Data\05-1110\
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 Sample : AC51387-003
 Misc : S,BNA
 ALS Vial : 27 Sample Multiplier: 1

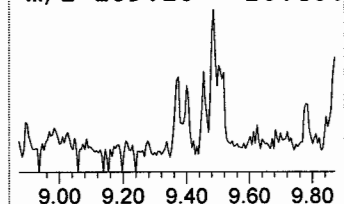
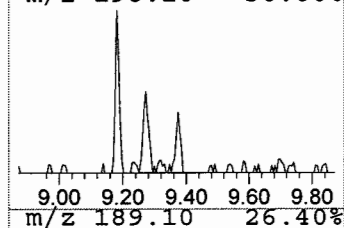
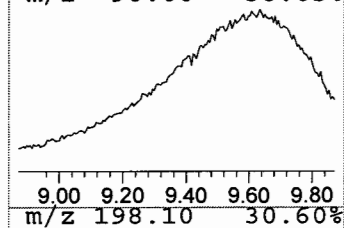
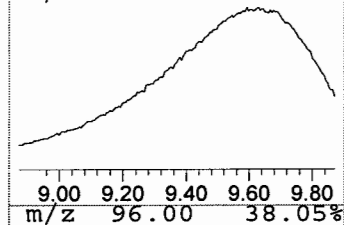
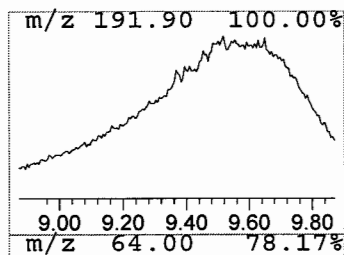
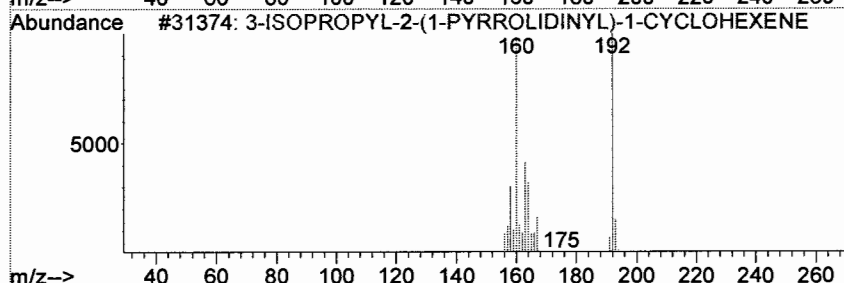
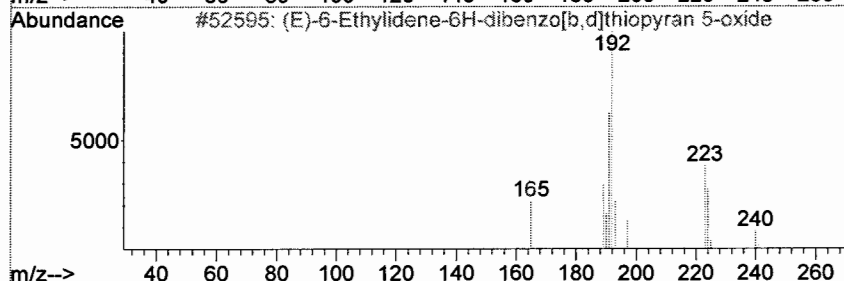
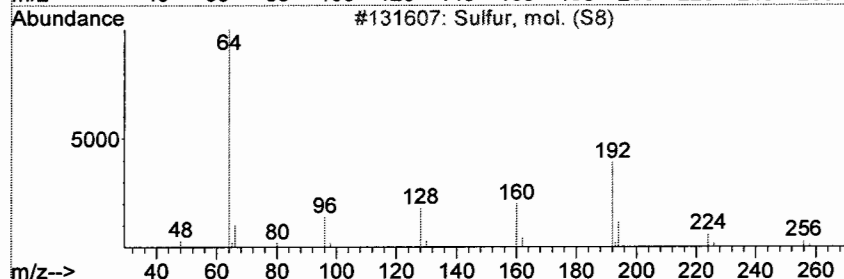
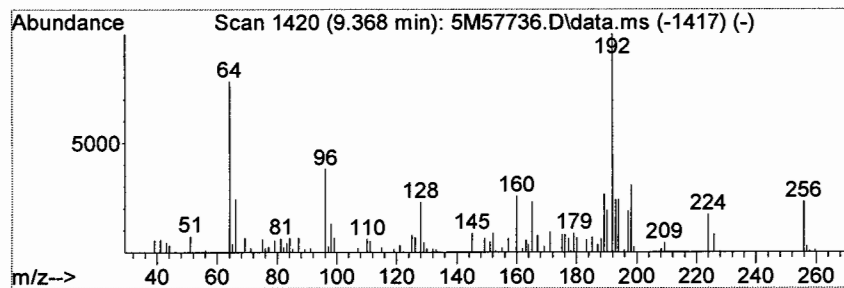
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TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 9 Sulfur, mol. (S8) Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.37	4.49 ng	30180	LibIS-Phenanthrene-d10	8.83

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Sulfur, mol. (S8)	256	S8	010544-50-0	50
2			(E)-6-Ethylidene-6H-dibenzo[b,d]...	240	C15H12OS	087221-28-1	32
3			3-ISOPROPYL-2-(1-PYRROLIDINYL)-1...	193	C13H23N	026974-22-1	12
4			2-METHOXY-8-CHLORO-NAPHTHALENE	192	C11H9ClO	067061-67-0	10
5			2-METHOXY-8-CHLORO-NAPHTHALENE	192	C11H9ClO	067061-67-0	10



Library Search Compound Report

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 ALS Vial : 27 Sample Multiplier: 1

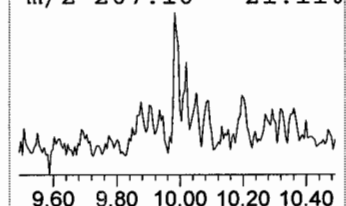
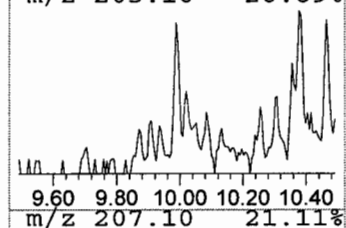
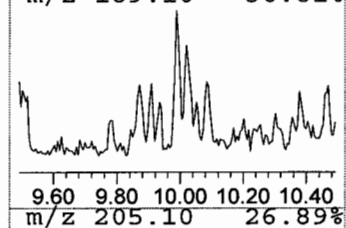
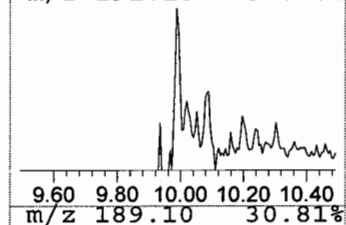
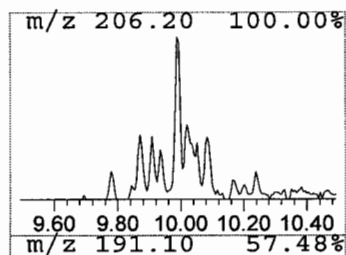
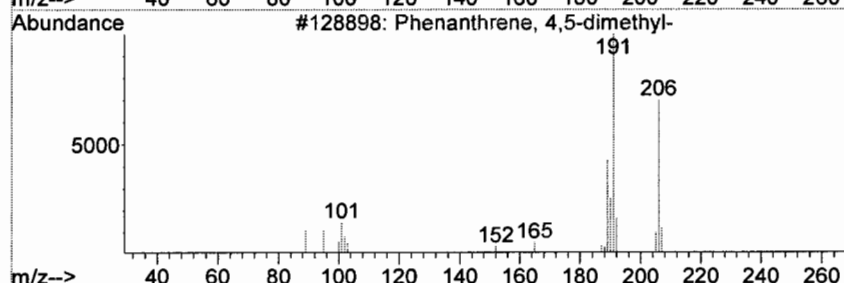
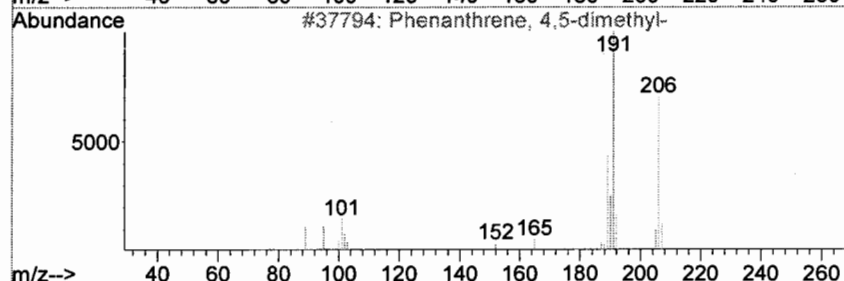
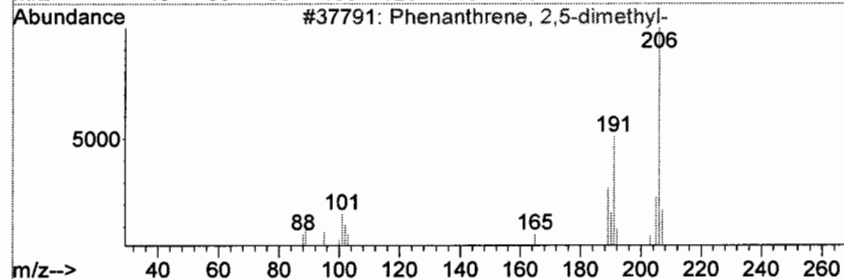
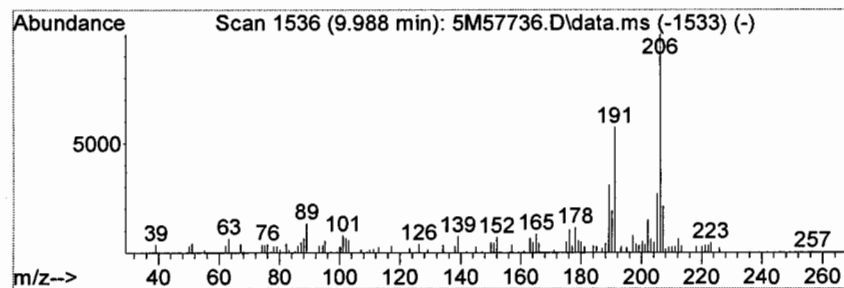
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 Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 11 Phenanthrene, 2,5-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.99	5.22 ng	35069	LibIS-Phenanthrene-d10	8.83

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2			Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	87
3			Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	87
4			Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87
5			Anthracene, 9,10-dimethyl-	206	C16H14	000781-43-1	81



Library Search Compound Report

Data Path : G:\GCMSData\2010\GCMS_5\Data\05-1110\
 Data File : 5M57736.D
 Acq On : 11 May 2010 20:09
 Operator : AHD
 Sample : AC51387-003
 Misc : S,BNA
 ALS Vial : 27 Sample Multiplier: 1

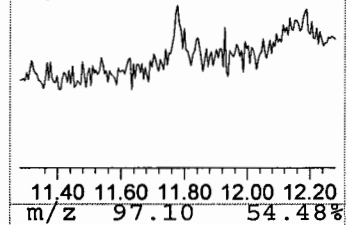
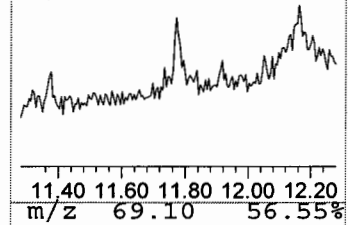
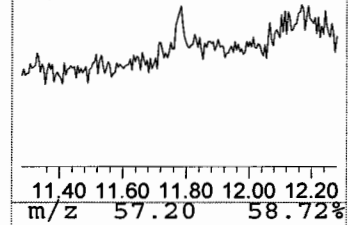
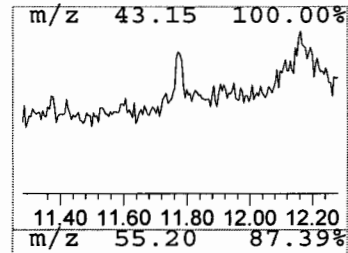
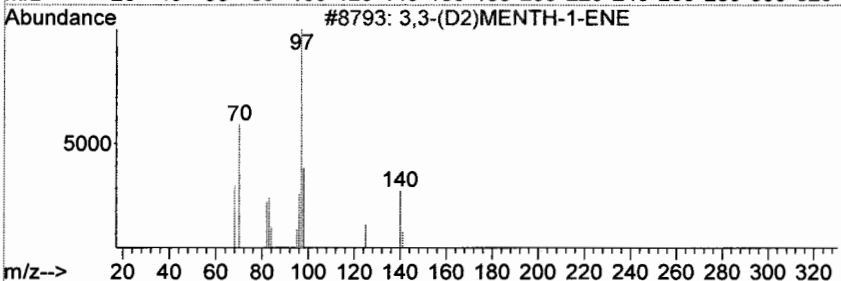
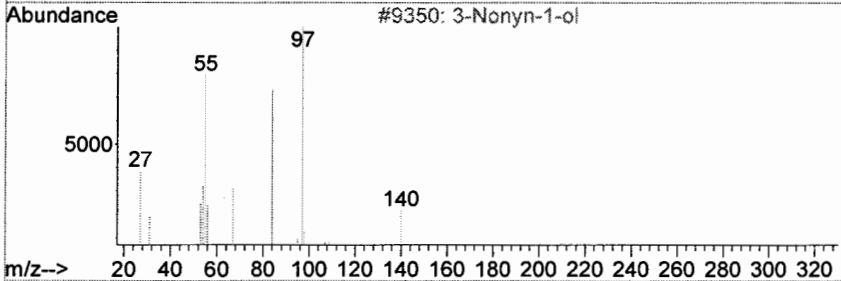
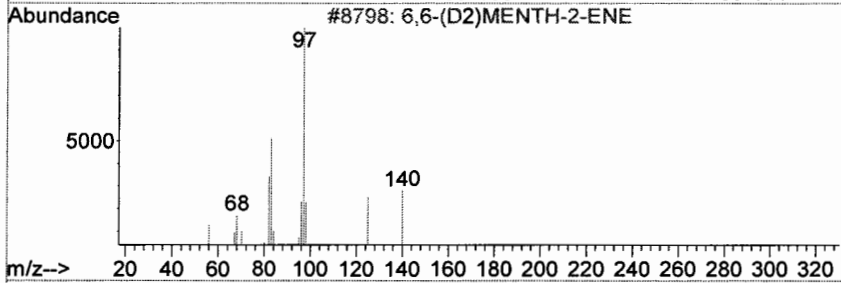
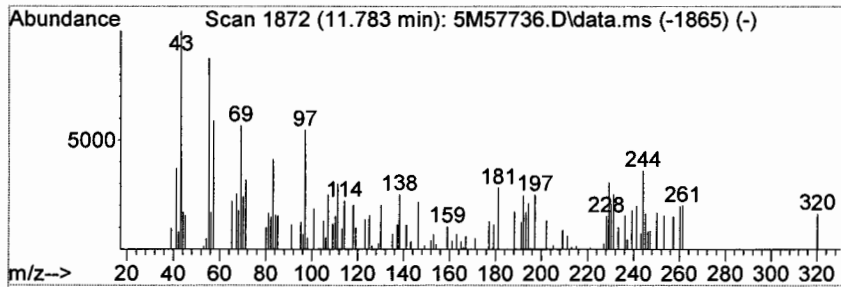
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 Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 12 unknown Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.78	4.13 ng	26781	LibIS-Chrysene-d12	11.84

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			6,6-(D2)MENTH-2-ENE	138	C10H16D2	000000-00-0	15
2			3-Nonyl-1-ol	140	C9H16O	031333-13-8	11
3			3,3-(D2)MENTH-1-ENE	138	C10H16D2	005206-77-9	11
4			Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	11
5			3a,4,5,6,7,7a-Hexahydro-2-ethoxy...	168	C9H16N2O	095647-96-4	11



Library Search Compound Report

Data Path : G:\GCMSData\2010\GCMS_5\Data\05-1110\
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 Sample : AC51387-003
 Misc : S,BNA
 ALS Vial : 27 Sample Multiplier: 1

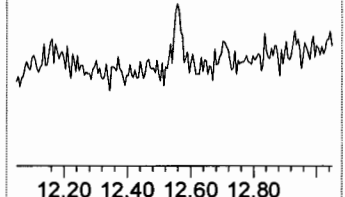
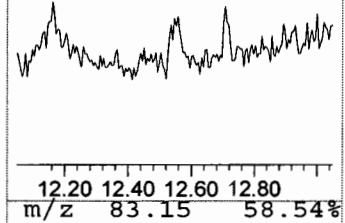
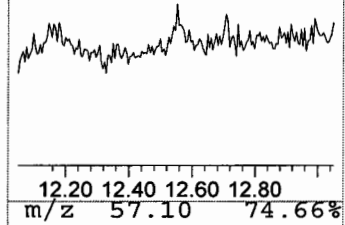
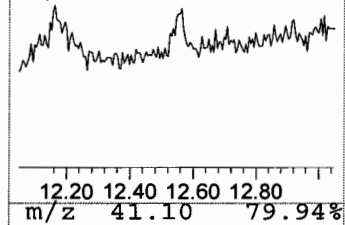
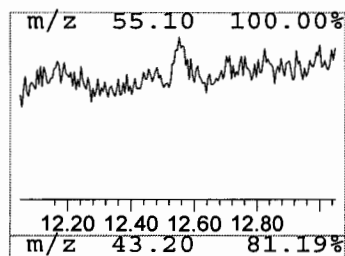
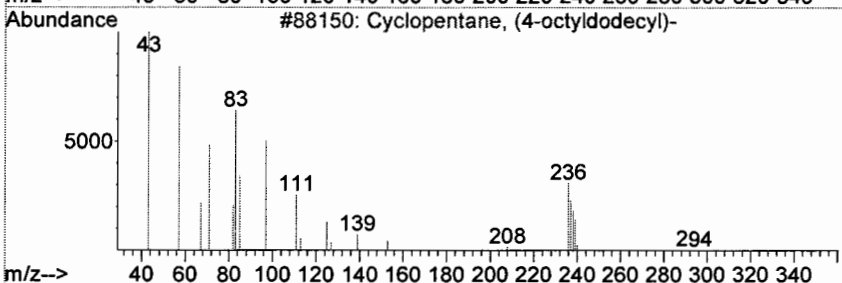
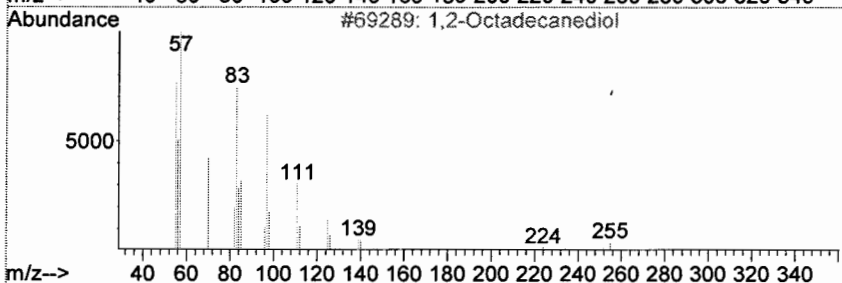
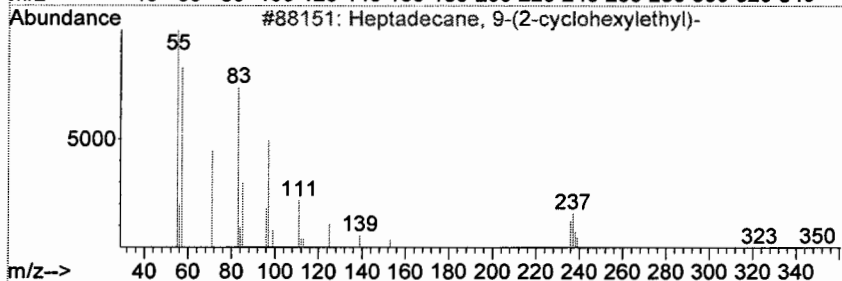
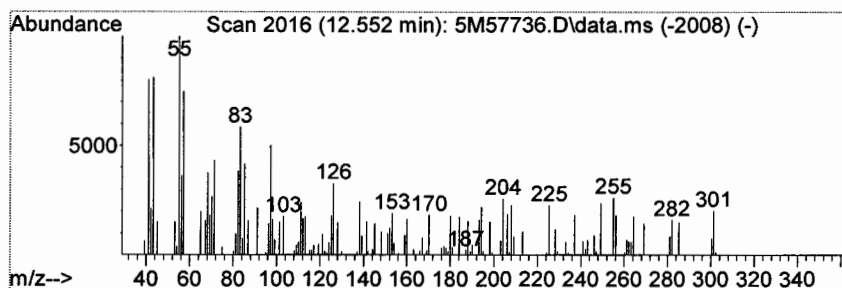
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 Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 13 unknown Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.55	4.23 ng	27407	LibIS-Chrysene-d12	11.84

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptadecane, 9-(2-cyclohexylethyl)-	350	C25H50	025446-35-9	20
2			1,2-Octadecanediol	286	C18H38O2	020294-76-2	18
3			Cyclopentane, (4-octyldodecyl)-	350	C25H50	005638-09-5	18
4			Cyclopentane, (4-octyldodecyl)-	350	C25H50	005638-09-5	18
5			Dodecanenitrile	181	C12H23N	002437-25-4	15



Library Search Compound Report

Data Path : G:\GCMSData\2010\GCMS_5\Data\05-1110\
 Data File : 5M57736.D
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 Operator : AHD
 Sample : AC51387-003
 Misc : S,BNA
 ALS Vial : 27 Sample Multiplier: 1

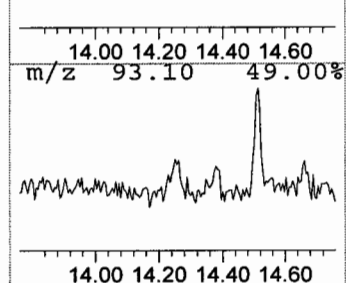
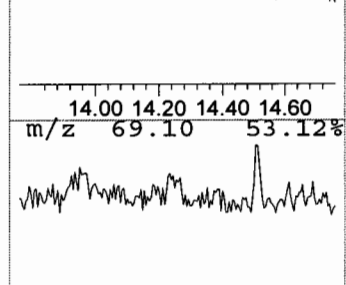
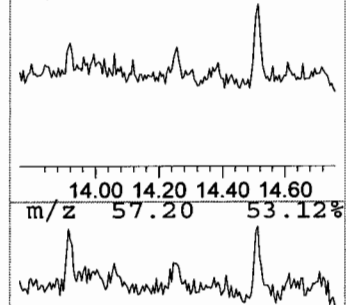
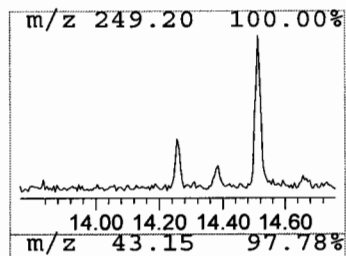
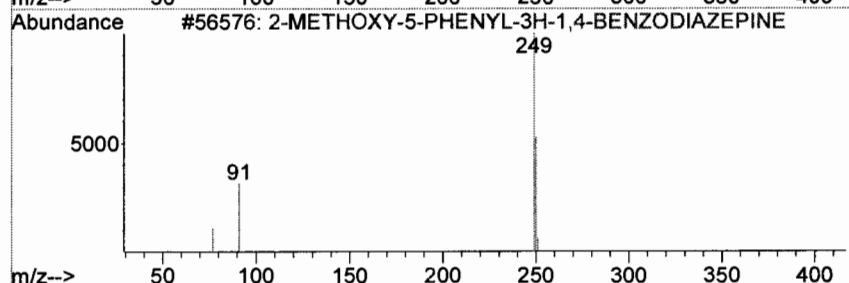
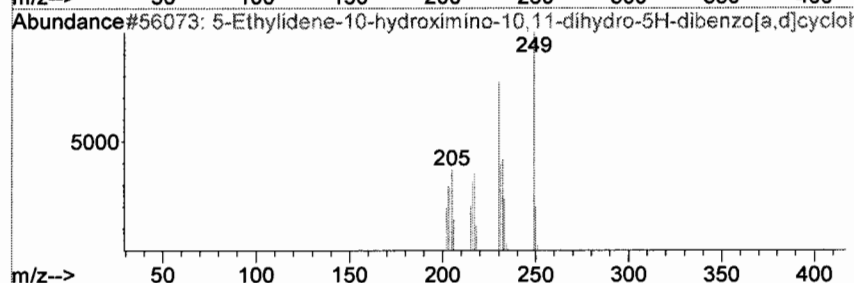
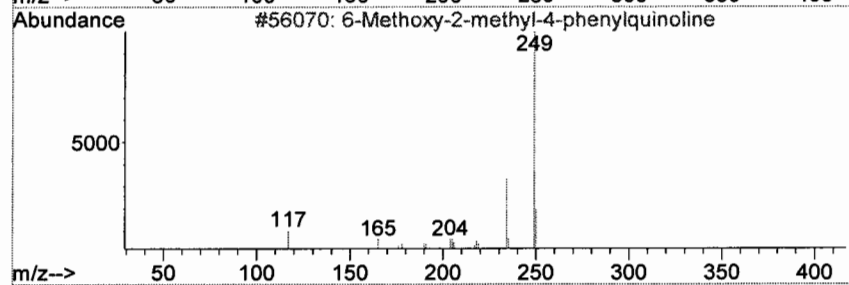
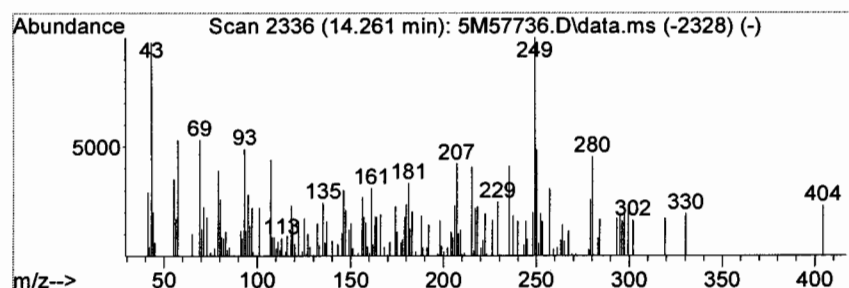
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 Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 14 unknown Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.26	4.92 ng	32958	LibIS-Perylene-d12	13.44

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			6-Methoxy-2-methyl-4-phenylquino...	249	C17H15NO	000000-00-0	38
2			5-Ethylidene-10-hydroximino-10,1...	249	C17H15NO	070449-97-7	38
3			2-METHOXY-5-PHENYL-3H-1,4-BENZOD...	250	C16H14N2O	000000-00-0	27
4			Eburnamenin-14-ol, 14,15-dihydro...	296	C19H24N2O	004201-84-7	25
5			Pyrimido[5,4-e]-1,2,4-triazine-7...	249	C7H6F3N5S	032709-35-6	22



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_5\Data\05-1110\
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 Acq On : 11 May 2010 20:09
 Operator : AHD
 Sample : AC51387-003
 Misc : S,BNA
 ALS Vial : 27 Sample Multiplier: 1

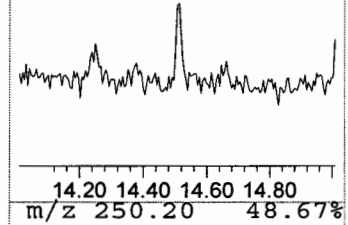
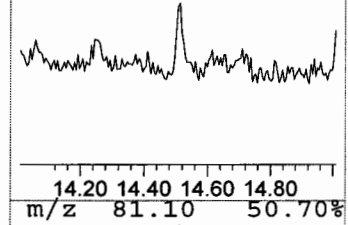
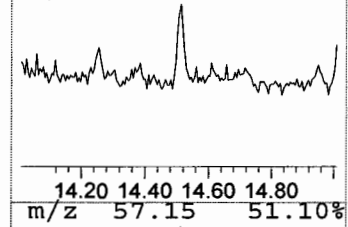
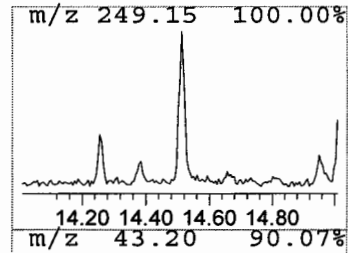
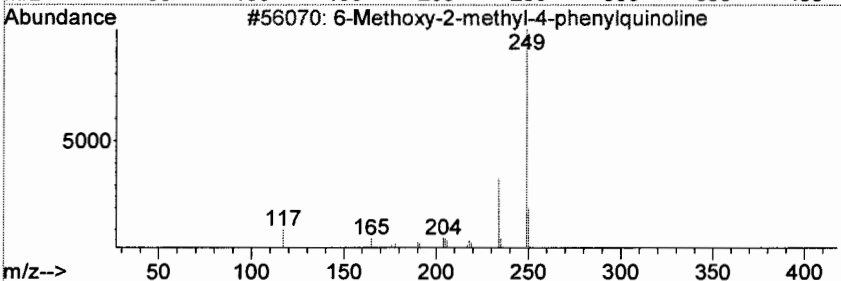
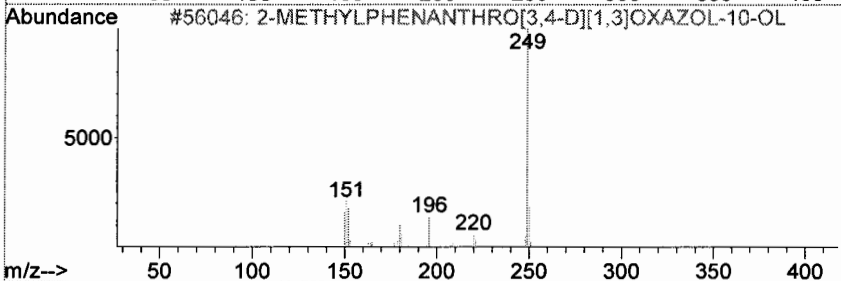
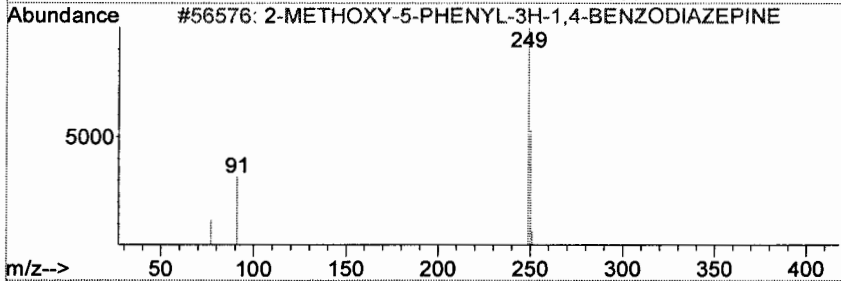
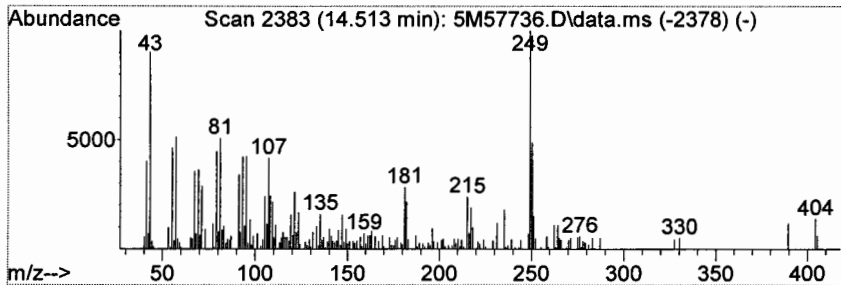
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 Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 15 unknown Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.51	12.77 ng	85529	LibIS-Perylene-d12	13.44

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-METHOXY-5-PHENYL-3H-1,4-BENZOD...	250	C16H14N2O	000000-00-0	43
2			2-METHYLPHENANTHRO[3,4-D][1,3]OX...	249	C16H11NO2	098033-24-0	32
3			6-Methoxy-2-methyl-4-phenylquino...	249	C17H15NO	000000-00-0	25
4			4,6-DIMETHYL-5-iodo-2-pyridinol	249	C7H8INO	000000-00-0	25
5			4-Chloro-5-(3-amino-6-methoxypyr...	284	C10H9ClN4O2S	086109-81-1	17



Data Path : G:\GcMsData\2010\GCMS_5\Data\05-1110\
Data File : 5M57736.D
Acq On : 11 May 2010 20:09
Operator : AHD
Sample : AC51387-003
Misc : S,BNA
ALS Vial : 27 Sample Multiplier: 1

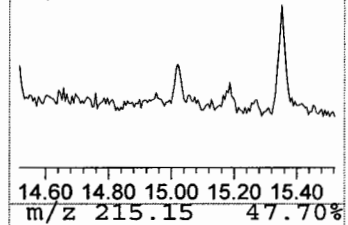
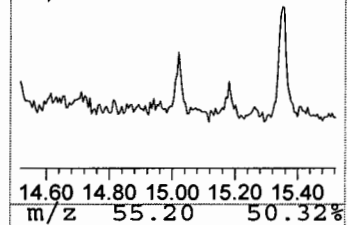
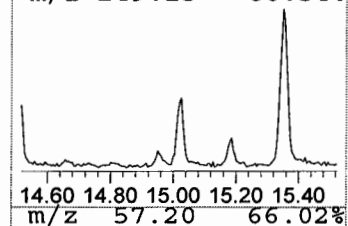
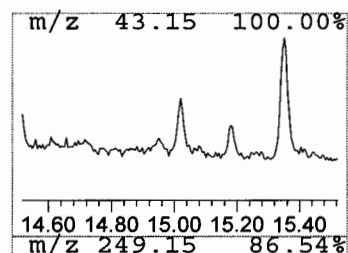
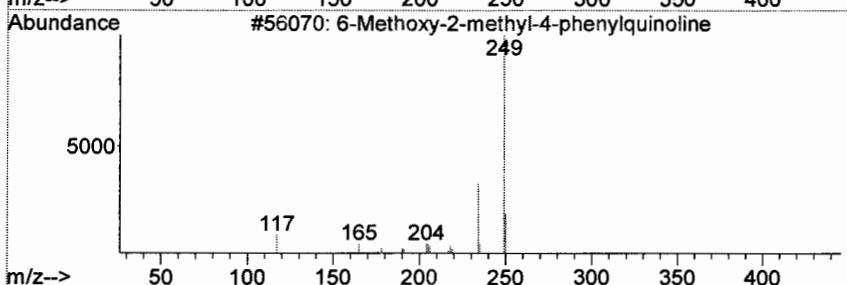
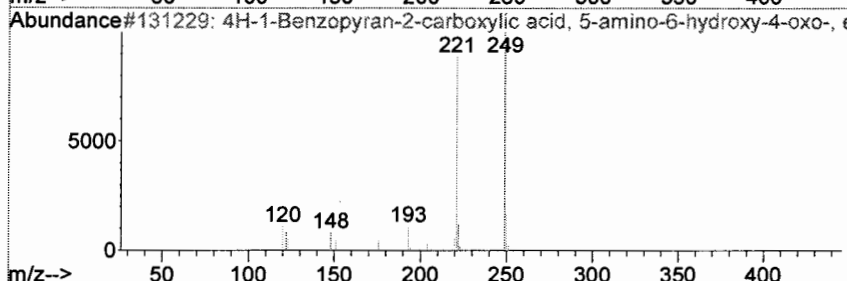
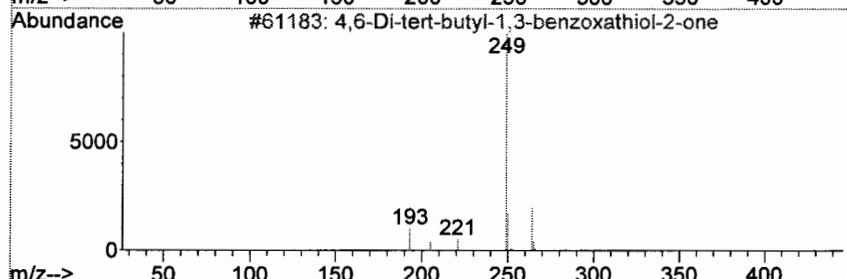
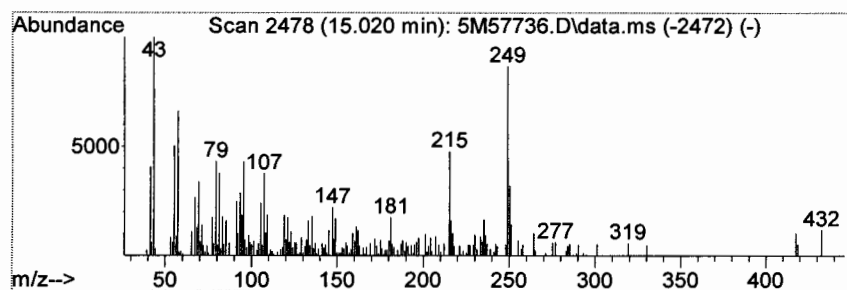
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Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

Peak Number 16 unknown Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.02	13.04 ng	87303	LibIS-Perylene-d12	13.44

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			4,6-Di-tert-butyl-1,3-benzoxathi...	264	C15H20O2S	069652-82-0	38
2			4H-1-Benzopyran-2-carboxylic aci...	249	C12H11NO5	032142-43-1	35
3			6-Methoxy-2-methyl-4-phenylquino...	249	C17H15NO	000000-00-0	35
4			2-Morpholino-3,3-Dimethyl-2,3-Di...	249	C14H19NO3	000000-00-0	27
5			Azetidine, 2-methyl-1-[3,3,3-tri...	249	C8H9F6NO	050837-79-1	25



Data Path : G:\GcMsData\2010\GCMS_5\Data\05-1110\
Data File : 5M57736.D
Acq On : 11 May 2010 20:09
Operator : AHD
Sample : AC51387-003
Misc : S,BNA
ALS Vial : 27 Sample Multiplier: 1

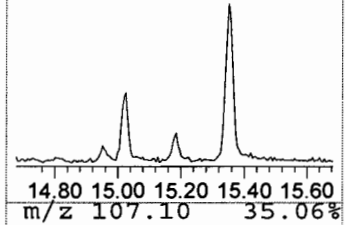
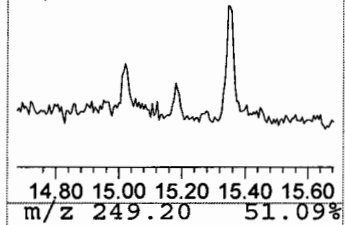
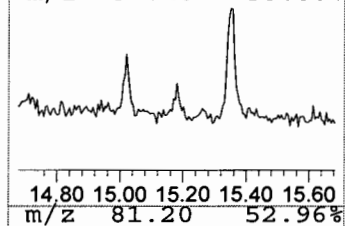
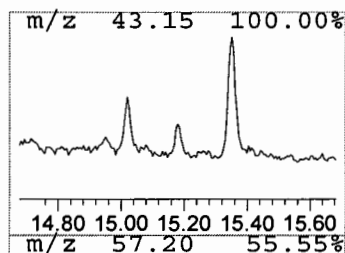
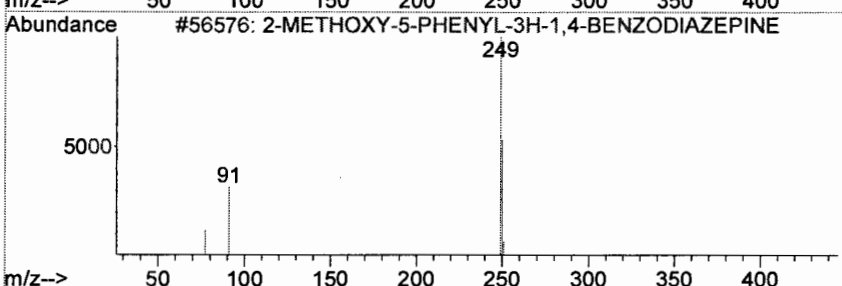
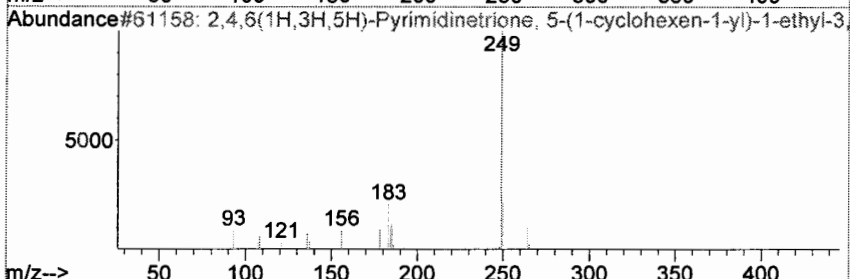
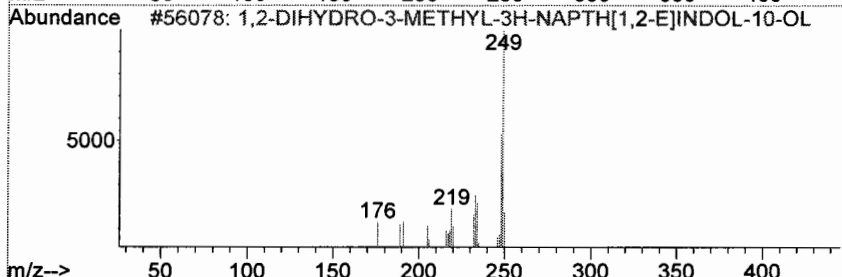
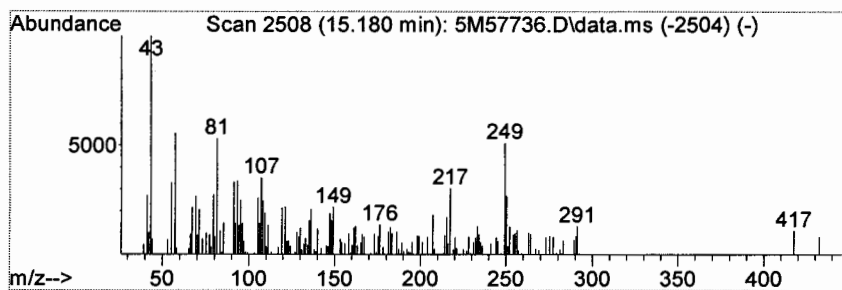
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Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

Peak Number 17 unknown Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.18	7.34 ng	49155	LibIS-Perylene-d12	13.44

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,2-DIHYDRO-3-METHYL-3H-NAPTH[1,...	249	C17H15NO	098033-22-8	38
2			2,4,6(1H,3H,5H)-Pyrimidinetrione...	264	C14H20N2O3	055044-42-3	35
3			2-METHOXY-5-PHENYL-3H-1,4-BENZOD...	250	C16H14N2O	000000-00-0	35
4			Benzoic acid, 3,5-bis(1,1-dimeth...	264	C16H24O3	002511-22-0	32
5			5-METHYL SULFONYL-6-PHENYL-2-PYR...	249	C12H11NO3S	034502-64-2	27



Data Path : G:\GcMsData\2010\GCMS_5\Data\05-1110\
Data File : 5M57736.D
Acq On : 11 May 2010 20:09
Operator : AHD
Sample : AC51387-003
Misc : S,BNA
ALS Vial : 27 Sample Multiplier: 1

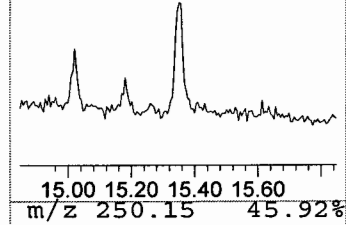
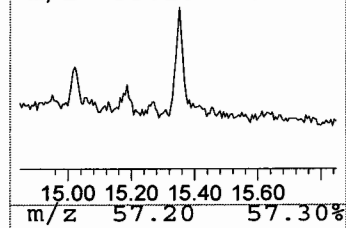
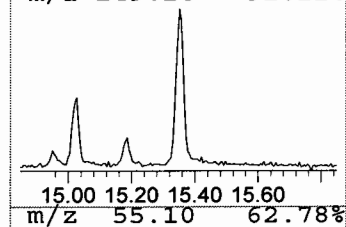
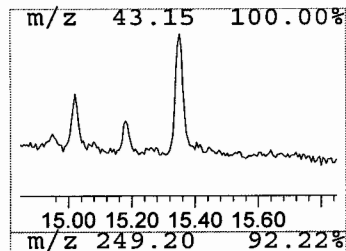
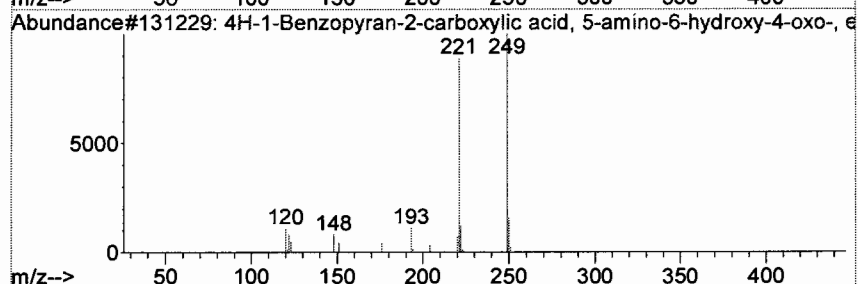
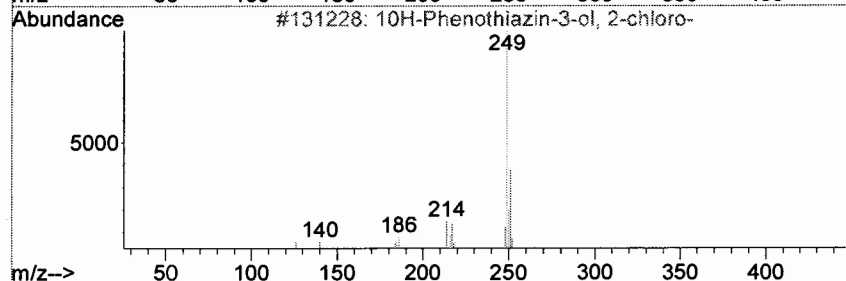
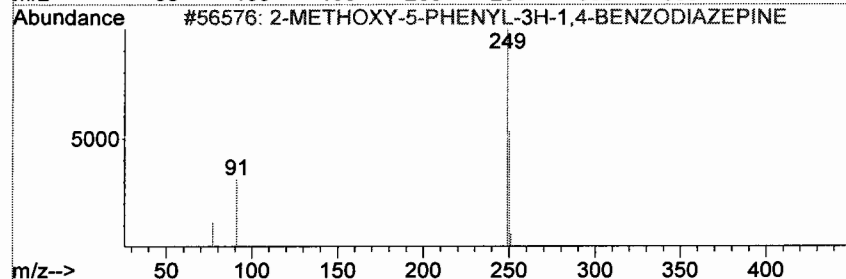
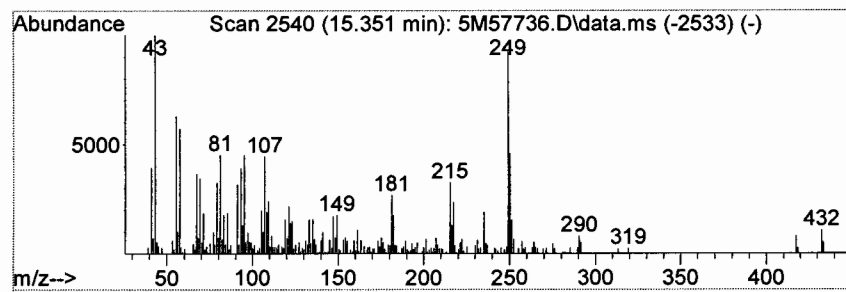
Quant Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0430.M
Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

Peak Number 18 unknown Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.35	35.29 ng	236352	LibIS-Perylene-d12	13.44

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-METHOXY-5-PHENYL-3H-1,4-BENZOD...	250	C16H14N2O	000000-00-0	38
2			10H-Phenothiazin-3-ol, 2-chloro-	249	C12H8ClNOS	016770-99-3	25
3			4H-1-Benzopyran-2-carboxylic aci...	249	C12H11NO5	032142-43-1	23
4			4H-1-Benzopyran-2-carboxylic aci...	249	C12H11NO5	032142-43-1	23
5			Phenothiazin-2-ol, 8-chloro-	249	C12H8ClNOS	005909-61-5	22



Data Path : G:\GcMsData\2010\GCMS_5\Data\05-1110\
 Data File : 5M57736.D
 Acq On : 11 May 2010 20:09
 Operator : AHD
 Sample : AC51387-003
 Misc : S,BNA
 ALS Vial : 27 Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0430.M
 Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	-----Internal Standard-----				
					#	ExpRT	ActRt	Resp	Conc
3-Penten-2-one, 4...	2.48	9.0	ng	21470	1	5.09	5.09	95544	40.0
unknown	2.97	7.4	ng	17755	1	5.09	5.09	95544	40.0
unknown	3.03	18.9	ng	45085	1	5.09	5.09	95544	40.0
2-Pentanone, 4-hy...	3.50	7259.8	ng	17340787	1	5.09	5.09	95544	40.0
Ethanol, 2-butoxy-	4.14	4.8	ng	11357	1	5.09	5.09	95544	40.0
unknown	4.24	32.8	ng	78345	1	5.09	5.09	95544	40.0
unknown	7.81	6.2	ng	34051	3	7.46	7.46	219366	40.0
unknown	9.27	4.6	ng	30873	4	8.83	8.83	268764	40.0
Sulfur, mol. (S8)	9.37	4.5	ng	30180	4	8.83	8.83	268764	40.0
Phenanthrene, 2,5...	9.99	5.2	ng	35069	4	8.83	8.83	268764	40.0
unknown	11.78	4.1	ng	26781	5	11.84	11.84	259396	40.0
unknown	12.55	4.2	ng	27407	5	11.84	11.84	259396	40.0
unknown	14.26	4.9	ng	32958	6	13.44	13.44	267884	40.0
unknown	14.51	12.8	ng	85529	6	13.44	13.44	267884	40.0
unknown	15.02	13.0	ng	87303	6	13.44	13.44	267884	40.0
unknown	15.18	7.3	ng	49155	6	13.44	13.44	267884	40.0
unknown	15.35	35.3	ng	236352	6	13.44	13.44	267884	40.0

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AC51387-003

Client Id: PI-01-TP-RAU6043010SS0

Data File: 5M57779.D

Analysis Date: 05/12/10 14:33

Date Rec/Extracted: 05/03/10-05/11/10

Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270C

Matrix: Soil

Initial Vol: 30g

Final Vol: 1ml

Dilution: 1

Solids: 82

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
120-82-1	1,2,4-Trichlorobenzene	0.081	U	191-24-2	Benzo[g,h,i]perylene	0.081	U
122-66-7	1,2-Diphenylhydrazine	0.081	U	207-08-9	Benzo[k]fluoranthene	0.081	U
95-95-4	2,4,5-Trichlorophenol	0.081	U	65-85-0	Benzoic Acid	0.41	U
88-06-2	2,4,6-Trichlorophenol	0.081	U	111-91-1	bis(2-Chloroethoxy)methan	0.081	U
120-83-2	2,4-Dichlorophenol	0.081	U	111-44-4	bis(2-Chloroethyl)ether	0.081	U
105-67-9	2,4-Dimethylphenol	0.081	U	108-60-1	bis(2-chloroisopropyl)ether	0.081	U
51-28-5	2,4-Dinitrophenol	0.41	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.081	U
121-14-2	2,4-Dinitrotoluene	0.081	U	85-68-7	Butylbenzylphthalate	0.081	U
606-20-2	2,6-Dinitrotoluene	0.081	U	86-74-8	Carbazole	0.081	U
91-58-7	2-Chloronaphthalene	0.081	U	218-01-9	Chrysene	0.081	U
95-57-8	2-Chlorophenol	0.081	U	53-70-3	Dibenzo[a,h]anthracene	0.081	U
91-57-6	2-Methylnaphthalene	0.081	U	132-64-9	Dibenzofuran	0.081	U
95-48-7	2-Methylphenol	0.081	U	84-66-2	Diethylphthalate	0.081	U
88-74-4	2-Nitroaniline	0.081	U	131-11-3	Dimethylphthalate	0.081	U
88-75-5	2-Nitrophenol	0.081	U	84-74-2	Di-n-butylphthalate	0.081	U
106-44-5	3&4-Methylphenol	0.081	U	117-84-0	Di-n-octylphthalate	0.081	U
91-94-1	3,3'-Dichlorobenzidine	0.081	U	206-44-0	Fluoranthene	0.081	U
99-09-2	3-Nitroaniline	0.081	U	86-73-7	Fluorene	0.081	U
534-52-1	4,6-Dinitro-2-methylphenol	0.41	U	118-74-1	Hexachlorobenzene	0.081	U
101-55-3	4-Bromophenyl-phenylether	0.081	U	87-68-3	Hexachlorobutadiene	0.081	U
59-50-7	4-Chloro-3-methylphenol	0.081	U	77-47-4	Hexachlorocyclopentadiene	0.41	U
106-47-8	4-Chloroaniline	0.081	U	67-72-1	Hexachloroethane	0.081	U
7005-72-3	4-Chlorophenyl-phenylether	0.081	U	193-39-5	Indeno[1,2,3-cd]pyrene	0.081	U
100-01-6	4-Nitroaniline	0.081	U	78-59-1	Isophorone	0.081	U
100-02-7	4-Nitrophenol	0.081	U	91-20-3	Naphthalene	0.081	U
83-32-9	Acenaphthene	0.081	U	98-95-3	Nitrobenzene	0.081	U
208-96-8	Acenaphthylene	0.081	U	62-75-9	N-Nitrosodimethylamine	0.081	U
62-53-3	Aniline	0.081	U	621-64-7	N-Nitroso-di-n-propylamine	0.081	U
120-12-7	Anthracene	0.081	U	86-30-6	n-Nitrosodiphenylamine	0.081	U
92-87-5	Benzidine	0.41	U	87-86-5	Pentachlorophenol	0.41	U
56-55-3	Benzo[a]anthracene	0.081	U	85-01-8	Phenanthrene	0.081	U
50-32-8	Benzo[a]pyrene	0.081	U	108-95-2	Phenol	0.081	U
205-99-2	Benzo[b]fluoranthene	0.081	U	129-00-0	Pyrene	0.081	0.19

Worksheet #: 151474

Total Target Concentration 0.19

ColumnID: (^) Indicates results from 2nd column

*U - Indicates the compound was analyzed but not detected.**B - Indicates the analyte was found in the blank as well as in the sample.**E - Indicates the analyte concentration exceeds the calibration range of the instrument.**R - Retention Time Out**J - Indicates an estimated value when a compound is detected at less than the specified detection limit.**d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.*

Form1eORGANICS SEMIVOLATILE REPORT
Tentatively Identified Compounds

Sample Number: AC51387-003	Matrix: Soil
Client Id: PI-01-TP-RAU6043010	Initial Vol: 30g
Data File: 5M57779.D	Final Vol: 1ml
Analysis Date: 05/12/10 14:33	Dilution: 1
Date Rec/Extracted: 05/03/10-05/11/10	Solids: 82
	Method: EPA 8270C

Units: mg/Kg

	Cas #	Compound	RT	Conc
1	141-79-7	3-Penten-2-one, 4-methyl-	2.55	0.19 JAB
2		unknown	3.19	0.68 JB
3	123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.59	240 JAB
4	111-76-2	Ethanol, 2-butoxy-	4.12	0.19 J
5		unknown	4.24	1.1 JB
6		unknown	7.78	0.24 J
7	84-69-5	1,2-Benzenedicarboxylic acid, bis(2-met	9.01	0.20 J
8	4567-36-6	8-Methylnaphtho[2,1-b]thiophene	9.14	0.19 J
9	10544-50-0	Sulfur, mol. (S8)	9.34	0.23 J
10	1576-69-8	Phenanthrene, 2,7-dimethyl-	9.95	0.18 J
11	3674-73-5	Phenanthrene, 2,3,5-trimethyl-	10.47	0.20 J
12	2381-21-7	Pyrene, 1-methyl-	10.89	0.17 J
13		unknown	11.73	0.19 J
14		unknown	14.20	0.20 J
15		unknown	14.46	0.20 J
16		unknown	14.61	0.19 J
17		unknown	14.97	0.21 J
18		unknown	15.12	0.16 J
19		unknown	15.29	0.64 J

Worksheet #: 151474

Total Tentatively Identified Concentration 250*A - Indicates an aldol condensate.**J - Indicates an estimated value.**B - Indicates the analyte was found in the blank as well as in the sample.**Y - Indicates the analyte was found in the blank at <10% of the concentration of the sample.**<10% - Indicates the analyte was found in the blank at < 10% of nearest Internal Standard*

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AC51387-003

Client Id: PI-01-TP-RAU6043010SS0

Data File: 5M57779.D

Analysis Date: 05/12/10 14:33

Date Rec/Extracted: 05/03/10-05/11/10

Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270C

Matrix: Soil

Initial Vol: 30g

Final Vol: 1ml

Dilution: 1

Solids: 82

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
120-82-1	1,2,4-Trichlorobenzene	0.081	U	191-24-2	Benzo[g,h,i]perylene	0.081	U
122-66-7	1,2-Diphenylhydrazine	0.081	U	207-08-9	Benzo[k]fluoranthene	0.081	U
95-95-4	2,4,5-Trichlorophenol	0.081	U	65-85-0	Benzoic Acid	0.41	U
88-06-2	2,4,6-Trichlorophenol	0.081	U	111-91-1	bis(2-Chloroethoxy)methan	0.081	U
120-83-2	2,4-Dichlorophenol	0.081	U	111-44-4	bis(2-Chloroethyl)ether	0.081	U
105-67-9	2,4-Dimethylphenol	0.081	U	108-60-1	bis(2-chloroisopropyl)ether	0.081	U
51-28-5	2,4-Dinitrophenol	0.41	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.081	U
121-14-2	2,4-Dinitrotoluene	0.081	U	85-68-7	Butylbenzylphthalate	0.081	U
606-20-2	2,6-Dinitrotoluene	0.081	U	86-74-8	Carbazole	0.081	U
91-58-7	2-Chloronaphthalene	0.081	U	218-01-9	Chrysene	0.081	U
95-57-8	2-Chlorophenol	0.081	U	53-70-3	Dibenzo[a,h]anthracene	0.081	U
91-57-6	2-Methylnaphthalene	0.081	U	132-64-9	Dibenzofuran	0.081	U
95-48-7	2-Methylphenol	0.081	U	84-66-2	Diethylphthalate	0.081	U
88-74-4	2-Nitroaniline	0.081	U	131-11-3	Dimethylphthalate	0.081	U
88-75-5	2-Nitrophenol	0.081	U	84-74-2	Di-n-butylphthalate	0.081	U
106-44-5	3&4-Methylphenol	0.081	U	117-84-0	Di-n-octylphthalate	0.081	U
91-94-1	3,3'-Dichlorobenzidine	0.081	U	206-44-0	Fluoranthene	0.081	U
99-09-2	3-Nitroaniline	0.081	U	86-73-7	Fluorene	0.081	U
534-52-1	4,6-Dinitro-2-methylphenol	0.41	U	118-74-1	Hexachlorobenzene	0.081	U
101-55-3	4-Bromophenyl-phenylether	0.081	U	87-68-3	Hexachlorobutadiene	0.081	U
59-50-7	4-Chloro-3-methylphenol	0.081	U	77-47-4	Hexachlorocyclopentadiene	0.41	U
106-47-8	4-Chloroaniline	0.081	U	67-72-1	Hexachloroethane	0.081	U
7005-72-3	4-Chlorophenyl-phenylether	0.081	U	193-39-5	Indeno[1,2,3-cd]pyrene	0.081	U
100-01-6	4-Nitroaniline	0.081	U	78-59-1	Isophorone	0.081	U
100-02-7	4-Nitrophenol	0.081	U	91-20-3	Naphthalene	0.081	U
83-32-9	Acenaphthene	0.081	U	98-95-3	Nitrobenzene	0.081	U
208-96-8	Acenaphthylene	0.081	U	62-75-9	N-Nitrosodimethylamine	0.081	U
62-53-3	Aniline	0.081	U	621-64-7	N-Nitroso-di-n-propylamine	0.081	U
120-12-7	Anthracene	0.081	U	86-30-6	n-Nitrosodiphenylamine	0.081	U
92-87-5	Benzidine	0.41	U	87-86-5	Pentachlorophenol	0.41	U
56-55-3	Benzo[a]anthracene	0.081	U	85-01-8	Phenanthrene	0.081	U
50-32-8	Benzo[a]pyrene	0.081	U	108-95-2	Phenol	0.081	U
205-99-2	Benzo[b]fluoranthene	0.081	U	129-00-0	Pyrene	0.081	0.19

Worksheet #: 151474

Total Target Concentration 0.19

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.*B* - Indicates the analyte was found in the blank as well as in the sample.*E* - Indicates the analyte concentration exceeds the calibration range of the instrument.*R* - Retention Time Out*J* - Indicates an estimated value when a compound is detected at less than the specified detection limit.*d* - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.

Form1eORGANICS SEMIVOLATILE REPORT
Tentatively Identified Compounds

Sample Number: AC51387-003	Matrix: Soil
Client Id: PI-01-TP-RAU6043010	Initial Vol: 30g
Data File: 5M57779.D	Final Vol: 1ml
Analysis Date: 05/12/10 14:33	Dilution: 1
Date Rec/Extracted: 05/03/10-05/11/10	Solids: 82
	Method: EPA 8270C

Units: mg/Kg

	Cas #	Compound	RT	Conc
1	141-79-7	3-Penten-2-one, 4-methyl-	2.55	0.19 JAB
2		unknown	3.19	0.68 JB
3	123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.59	240 JAB
4	111-76-2	Ethanol, 2-butoxy-	4.12	0.19 J
5		unknown	4.24	1.1 JB
6		unknown	7.78	0.24 J
7	84-69-5	1,2-Benzenedicarboxylic acid, bis(2-met	9.01	0.20 J
8	4567-36-6	8-Methylnaphtho[2,1-b]thiophene	9.14	0.19 J
9	10544-50-0	Sulfur, mol. (S8)	9.34	0.23 J
10	1576-69-8	Phenanthrene, 2,7-dimethyl-	9.95	0.18 J
11	3674-73-5	Phenanthrene, 2,3,5-trimethyl-	10.47	0.20 J
12	2381-21-7	Pyrene, 1-methyl-	10.89	0.17 J
13		unknown	11.73	0.19 J
14		unknown	14.20	0.20 J
15		unknown	14.46	0.20 J
16		unknown	14.61	0.19 J
17		unknown	14.97	0.21 J
18		unknown	15.12	0.16 J
19		unknown	15.29	0.64 J

Worksheet #: 151474

Total Tentatively Identified Concentration 250*A - Indicates an aldol condensate.**J - Indicates an estimated value.**B - Indicates the analyte was found in the blank as well as in the sample.**Y - Indicates the analyte was found in the blank at <10% of the concentration of the sample.**<10% - Indicates the analyte was found in the blank at < 10% of nearest Internal Standard*

Quantitation Report (QT/LSC Reviewed)

SampleID : AC51387-003
 Data File: 5M57779.D
 Acq On : 05/12/10 14:33

Operator : AHD
 Sam Mult : 1 Vial# : 15
 Misc : S,BNA

Qt Meth : 5M_0430.M
 Qt On : 05/12/10 14:49
 Qt Upd On: 05/10/10 10:23

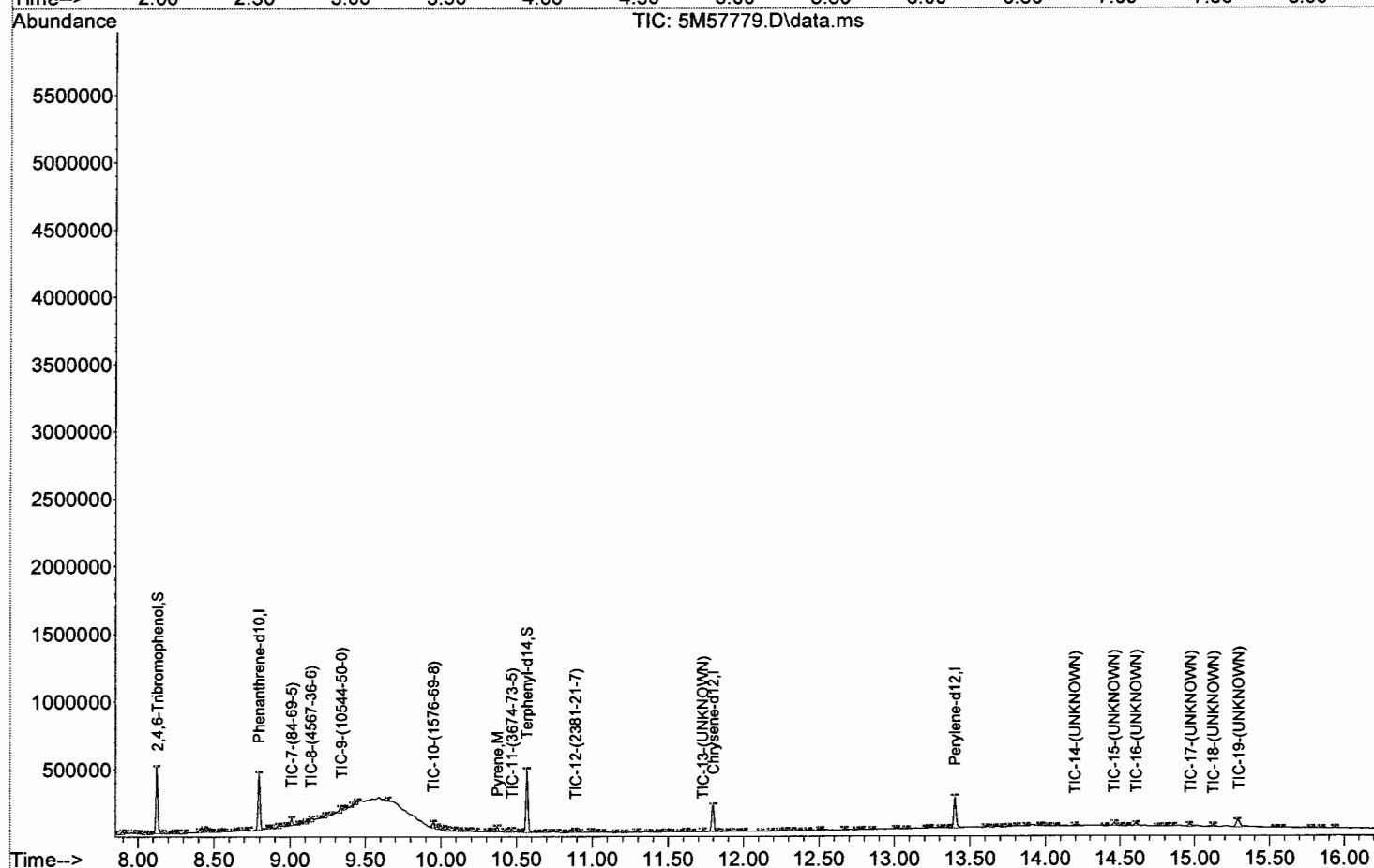
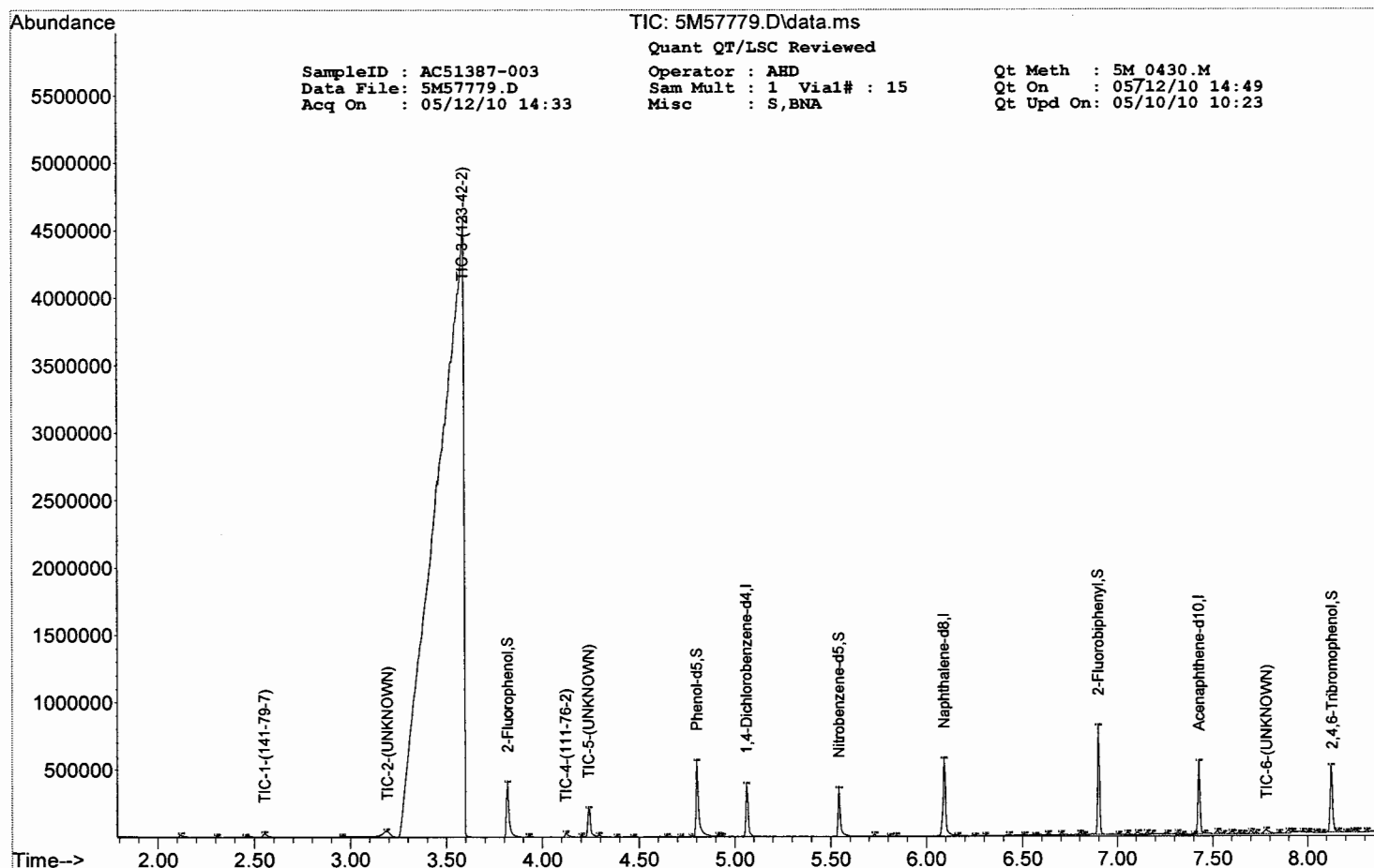
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 Qt Path : G:\GCMSDATA\2010\GCMS_5\METHODQT\
 Qt Resp Via : Initial Calibration

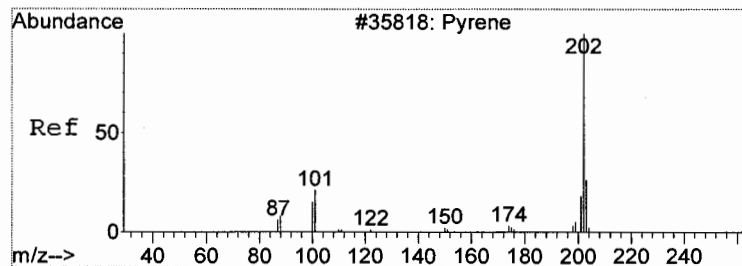
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.062	152	42646	40.00	ng	-0.19
29) Naphthalene-d8	6.093	136	162894	40.00	ng	-0.19
47) Acenaphthene-d10	7.429	164	83019	40.00	ng	-0.21
73) Phenanthrene-d10	8.796	188	125923	40.00	ng	-0.25
87) Chrysene-d12	11.799	240	71377	40.00	ng	-0.27
102) Perylene-d12	13.401	264	77148	40.00	ng	-0.26
System Monitoring Compounds						
10) 2-Fluorophenol	3.817	112	88333	68.81	ng	-0.18
Spiked Amount 100.000			Recovery =	68.81%		
15) Phenol-d5	4.800	99	152698	80.07	ng	-0.18
Spiked Amount 100.000			Recovery =	80.07%		
30) Nitrobenzene-d5	5.543	128	32679	50.17	ng	-0.19
Spiked Amount 50.000			Recovery =	100.34%		
52) 2-Fluorobiphenyl	6.900	172	159703	56.28	ng	-0.19
Spiked Amount 50.000			Recovery =	112.56%		
76) 2,4,6-Tribromophenol	8.129	330	32135	113.92	ng	-0.22
Spiked Amount 100.000			Recovery =	113.92%		
90) Terphenyl-d14	10.570	244	126643	64.87	ng	-0.26
Spiked Amount 50.000			Recovery =	129.74%		
Target Compounds						Qvalue
88) Pyrene	10.372	202	13710	4.77	ng	78
Library Search Internal Standards TIC Results						
1) 1,4-Dichlorobenzene-d4	5.062		312729	40.00	ng	--
2) Acenaphthene-d10	7.429		407305	40.00	ng	--
3) Phenanthrene-d10	8.796		372540m	40.00	ng	--
4) Chrysene-d12	11.799		212215m	40.00	ng	--
5) Perylene-d12	13.402		227854m	40.00	ng	--
Library Search Compounds						
1) 141-79-7	2.550		36645	4.69	ng	91
2) UNKNOWN	3.190		131316	16.80	ng	--
3) 123-42-2	3.590		45198839	5781.21	ng	64
4) 111-76-2	4.120		35943	4.60	ng	83
5) UNKNOWN	4.240		213804	27.35	ng	--
6) UNKNOWN	7.780		59654	5.86	ng	--
7) 84-69-5	9.010		46773	5.02	ng	80
8) 4567-36-6	9.140		43451	4.67	ng	72
9) 10544-50-0	9.340		52623	5.65	ng	59
10) 1576-69-8	9.950		40102	4.31	ng	89
11) 3674-73-5	10.470		26611	5.02	ng	95
12) 2381-21-7	10.890		21889	4.13	ng	58
13) UNKNOWN	11.730		25130	4.74	ng	--
14) UNKNOWN	14.200		28722	5.04	ng	--
15) UNKNOWN	14.460		28722	5.04	ng	--
16) UNKNOWN	14.610		26983	4.74	ng	--
17) UNKNOWN	14.970		28862	5.07	ng	--
18) UNKNOWN	15.120		22790	4.00	ng	--
19) UNKNOWN	15.290		89567	15.72	ng	--

(#) = qualifier out of range (m) = manual integration (+) = signals summed

16





#88

Pyrene

Concen: 4.77 ng

RT: 10.372 min Scan# 1608

Delta R.T. -0.257 min

Lab File: 5M57779.D

Acq: 12 May 2010 14:33

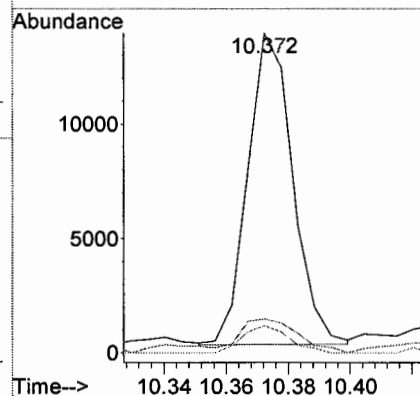
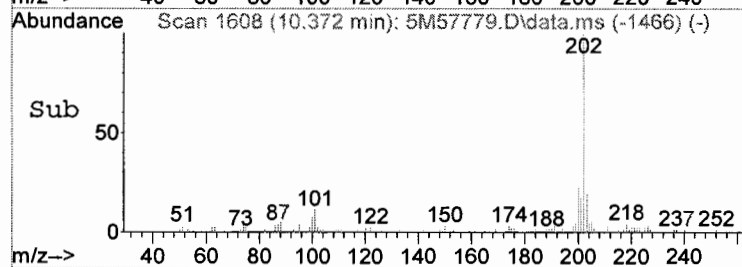
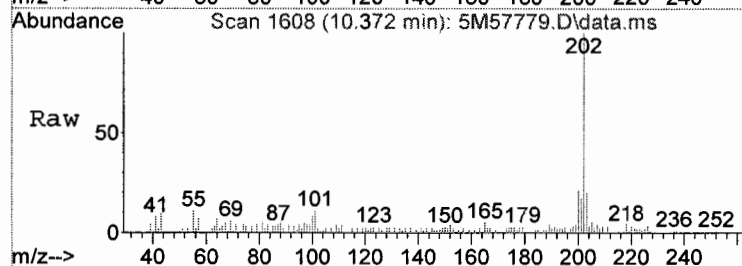
Tgt Ion: 202 Resp: 13710

Ion Ratio Lower Upper

202 100

101 10.9 0.0 62.2

100 8.7 0.0 57.8



Data Path : G:\GcMsData\2010\GCMS_5\Data\05-12-10\
 Data File : 5M57779.D
 Acq On : 12 May 2010 14:33
 Operator : AHD
 Sample : AC51387-003
 Misc : S,BNA
 ALS Vial : 15 Sample Multiplier: 1

Integration Parameters: LSCINT.P

Integrator: RTE

Smoothing : OFF

Sampling : 1

Start Thrs: 0.05

Stop Thrs : 0

Filtering: 5

Min Area: 500 Area counts

Max Peaks: 250

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 1

Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0430.M
 Title : @GCMS_5,mg,625,8270

Signal : TIC: 5M57779.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.119	60	63	74	rBV	15858	26238	0.06%	0.050%
2	2.306	94	98	105	rVB3	9053	11568	0.03%	0.022%
3	2.455	123	126	135	rBV4	6593	16603	0.04%	0.031%
4	2.551	141	144	154	rVB	24758	36645	0.08%	0.070%
5	2.957	214	220	221	rBV2	5339	7818	0.02%	0.015%
6	3.187	250	263	274	rVB2	45167	131316	0.29%	0.249%
7	3.593	274	339	341	rBV	4587576	45198839	100.00%	85.729%
8	3.818	378	381	396	rBV	399586	389869	0.86%	0.739%
9	3.930	399	402	409	rVB	9401	9784	0.02%	0.019%
10	4.122	435	438	451	rBV	29772	35943	0.08%	0.068%
11	4.202	451	453	457	rVV	10613	9885	0.02%	0.019%
12	4.240	457	460	467	rVV	207580	213804	0.47%	0.406%
13	4.293	467	470	479	rVB	17804	21148	0.05%	0.040%
14	4.384	482	487	493	rBV3	4085	5061	0.01%	0.010%
15	4.469	500	503	512	rVB4	5139	7551	0.02%	0.014%
16	4.646	533	536	539	rBV	6842	6477	0.01%	0.012%
17	4.715	545	549	554	rBV3	4698	6268	0.01%	0.012%
18	4.774	558	560	563	rBV2	4508	5746	0.01%	0.011%
19	4.800	563	565	584	rVV	555888	522527	1.16%	0.991%
20	4.913	584	586	588	rVV	15240	11604	0.03%	0.022%
21	4.934	588	590	594	rVB3	6951	6440	0.01%	0.012%
22	5.062	611	614	622	rVB	382001	304376	0.67%	0.577%
23	5.543	701	704	715	rBV	352130	281534	0.62%	0.534%
24	5.730	734	739	742	rVB	17379	13658	0.03%	0.026%
25	5.810	750	754	757	rBV3	4507	4559	0.01%	0.009%
26	5.842	757	760	764	rBV	7749	6302	0.01%	0.012%
27	6.093	798	807	818	rBV2	568983	535215	1.18%	1.015%
28	6.163	818	820	824	rVB	5553	5108	0.01%	0.010%
29	6.254	832	837	840	rVB5	5202	6449	0.01%	0.012%
30	6.307	844	847	849	rBV3	5939	5037	0.01%	0.010%
31	6.430	865	870	873	rBV5	12246	13739	0.03%	0.026%
32	6.510	879	885	890	rVB5	8333	10551	0.02%	0.020%
33	6.569	890	896	899	rBV5	4458	8760	0.02%	0.017%
34	6.633	903	908	912	rVB3	16823	16298	0.04%	0.031%
35	6.702	917	921	924	rBV3	16034	16885	0.04%	0.032%

Data Path : G:\GcMsData\2010\GCMS_5\Data\05-12-10\
 Data File : 5M57779.D
 Acq On : 12 May 2010 14:33
 Operator : AHD
 Sample : AC51387-003
 Misc : S,BNA
 ALS Vial : 15 Sample Multiplier: 1

Integration Parameters: LSCINT.P

Integrator: RTE
 Smoothing : OFF
 Sampling : 1
 Start Thrs: 0.05
 Stop Thrs : 0

Filtering: 5
 Min Area: 500 Area counts
 Max Peaks: 250
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 1

Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0430.M
 Title : @GCMS_5,mg,625,8270

36	6.804	937	940	942	rBV	19861	16963	0.04%	0.032%
37	6.825	942	944	947	rVB2	5856	4312	0.01%	0.008%
38	6.900	955	958	965	rVB	801020	521258	1.15%	0.989%
39	7.007	975	978	981	rVB3	5863	4846	0.01%	0.009%
40	7.055	984	987	993	rVB2	15833	18480	0.04%	0.035%
41	7.108	993	997	1003	rBV3	18548	28005	0.06%	0.053%
42	7.156	1003	1006	1009	rBV2	17145	16061	0.04%	0.030%
43	7.183	1009	1011	1014	rVV3	11221	8582	0.02%	0.016%
44	7.263	1019	1026	1029	rVB3	11306	17253	0.04%	0.033%
45	7.317	1030	1036	1039	rVV2	17128	20817	0.05%	0.039%
46	7.343	1039	1041	1044	rVB3	7355	6141	0.01%	0.012%
47	7.402	1047	1052	1053	rBV5	6255	7624	0.02%	0.014%
48	7.429	1053	1057	1060	rVV	533896	392341	0.87%	0.744%
49	7.456	1060	1062	1066	rVB5	6667	7451	0.02%	0.014%
50	7.525	1070	1075	1078	rVB2	21159	22891	0.05%	0.043%
51	7.557	1078	1081	1084	rVB5	8376	8107	0.02%	0.015%
52	7.600	1084	1089	1093	rVB3	17691	23556	0.05%	0.045%
53	7.637	1093	1096	1098	rBV2	13531	12307	0.03%	0.023%
54	7.664	1098	1101	1104	rVB4	9666	9207	0.02%	0.017%
55	7.701	1104	1108	1111	rBV	23223	21768	0.05%	0.041%
56	7.728	1111	1113	1116	rVB2	12729	10508	0.02%	0.020%
57	7.781	1116	1123	1131	rBV3	31323	59654	0.13%	0.113%
58	7.851	1133	1136	1140	rVB5	10188	9659	0.02%	0.018%
59	7.899	1140	1145	1147	rBV3	22475	25906	0.06%	0.049%
60	7.920	1147	1149	1152	rVV4	11151	8931	0.02%	0.017%
61	7.974	1157	1159	1162	rVB3	11062	8374	0.02%	0.016%
62	8.006	1162	1165	1169	rVB5	12311	15803	0.03%	0.030%
63	8.049	1169	1173	1177	rVB6	14438	23634	0.05%	0.045%
64	8.081	1177	1179	1182	rBV4	7541	9388	0.02%	0.018%
65	8.123	1183	1187	1192	rVV	489874	414270	0.92%	0.786%
66	8.161	1192	1194	1198	rVV4	13673	15818	0.03%	0.030%
67	8.203	1198	1202	1204	rVV4	5434	6343	0.01%	0.012%
68	8.241	1204	1209	1211	rVV5	14564	23613	0.05%	0.045%
69	8.262	1211	1213	1216	rVB3	13812	12568	0.03%	0.024%
70	8.310	1218	1222	1224	rBV3	14612	15671	0.03%	0.030%
71	8.406	1232	1240	1243	rBV6	18879	28152	0.06%	0.053%
72	8.439	1243	1246	1249	rVV3	29193	32196	0.07%	0.061%
73	8.460	1249	1250	1254	rVV4	12565	15372	0.03%	0.029%
74	8.487	1254	1255	1259	rVB4	9618	8368	0.02%	0.016%
75	8.524	1259	1262	1263	rBV3	7609	5931	0.01%	0.011%

LSC Area Percent Report

Data Path : G:\GcMsData\2010\GCMS_5\Data\05-12-10\
 Data File : 5M57779.D
 Acq On : 12 May 2010 14:33
 Operator : AHD
 Sample : AC51387-003
 Misc : S,BNA
 ALS Vial : 15 Sample Multiplier: 1

Integration Parameters: LSCINT.P

Integrator: RTE
 Smoothing : OFF
 Sampling : 1
 Start Thrs: 0.05
 Stop Thrs : 0

Filtering: 5
 Min Area: 500 Area counts
 Max Peaks: 250
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 1

Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0430.M
 Title : @GCMS_5,mg,625,8270

76	8.551	1264	1267	1270	rVV4	12206	16581	0.04%	0.031%
77	8.572	1270	1271	1276	rVB5	7162	6731	0.01%	0.013%
78	8.631	1280	1282	1284	rBV3	5072	4521	0.01%	0.009%
79	8.652	1284	1286	1288	rBV3	10508	9272	0.02%	0.018%
80	8.706	1293	1296	1298	rBV4	8085	9656	0.02%	0.018%
81	8.732	1298	1301	1305	rVB2	12827	12448	0.03%	0.024%
82	8.796	1309	1313	1317	rBV	417175	362689	0.80%	0.688%
83	8.861	1320	1325	1326	rBV3	13874	16279	0.04%	0.031%
84	8.877	1326	1328	1331	rVB2	11303	11036	0.02%	0.021%
85	8.925	1333	1337	1340	rBV4	21876	31565	0.07%	0.060%
86	8.978	1344	1347	1349	rBV3	13057	15982	0.04%	0.030%
87	9.010	1349	1353	1357	rVV	49898	46773	0.10%	0.089%
88	9.058	1357	1362	1364	rBV5	11393	19333	0.04%	0.037%
89	9.106	1364	1371	1374	rBV8	17218	36776	0.08%	0.070%
90	9.144	1374	1378	1381	rBV3	30353	43451	0.10%	0.082%
91	9.197	1386	1388	1389	rBV2	6314	4673	0.01%	0.009%
92	9.235	1391	1395	1398	rBV4	23634	31641	0.07%	0.060%
93	9.277	1400	1403	1404	rBV3	11908	11844	0.03%	0.022%
94	9.336	1408	1414	1416	rBV2	36806	52623	0.12%	0.100%
95	9.363	1416	1419	1422	rVV3	17086	28590	0.06%	0.054%
96	9.416	1426	1429	1430	rBV2	20874	17326	0.04%	0.033%
97	9.448	1432	1435	1436	rBV	25682	26213	0.06%	0.050%
98	9.651	1471	1473	1476	rVB3	16822	14469	0.03%	0.027%
99	9.950	1525	1529	1532	rVB	37462	40102	0.09%	0.076%
100	9.977	1532	1534	1538	rVB4	20663	21420	0.05%	0.041%
101	10.015	1538	1541	1543	rVB3	17653	15163	0.03%	0.029%
102	10.041	1543	1546	1552	rVB5	22381	36672	0.08%	0.070%
103	10.089	1552	1555	1558	rBV3	16268	15152	0.03%	0.029%
104	10.121	1558	1561	1564	rVB2	12511	10922	0.02%	0.021%
105	10.159	1564	1568	1569	rBV3	6525	6859	0.02%	0.013%
106	10.185	1569	1573	1579	rVB6	11961	18754	0.04%	0.036%
107	10.234	1579	1582	1586	rVB5	11915	13541	0.03%	0.026%
108	10.308	1593	1596	1600	rBV3	10817	16125	0.04%	0.031%
109	10.340	1600	1602	1604	rVV3	12119	10615	0.02%	0.020%
110	10.372	1604	1608	1613	rVB	37031	41672	0.09%	0.079%
111	10.426	1615	1618	1622	rVB2	14626	17004	0.04%	0.032%
112	10.469	1622	1626	1629	rBV	21749	26611	0.06%	0.050%
113	10.527	1634	1637	1639	rBV3	11114	9754	0.02%	0.019%
114	10.570	1640	1645	1654	rVB	465576	447330	0.99%	0.848%

LSC Area Percent Report

Data Path : G:\GcMsData\2010\GCMS_5\Data\05-12-10\
 Data File : 5M57779.D
 Acq On : 12 May 2010 14:33
 Operator : AHD
 Sample : AC51387-003
 Misc : S,BNA
 ALS Vial : 15 Sample Multiplier: 1

Integration Parameters: LSCINT.P

Integrator: RTE
 Smoothing : OFF
 Sampling : 1
 Start Thrs: 0.05
 Stop Thrs : 0

Filtering: 5
 Min Area: 500 Area counts
 Max Peaks: 250
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 1

Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0430.M
 Title : @GCMS_5,mg,625,8270

115	10.640	1654	1658	1660	rBV5	6290	6969	0.02%	0.013%
116	10.677	1662	1665	1667	rVB4	6016	5776	0.01%	0.011%
117	10.714	1670	1672	1676	rBV3	11406	14705	0.03%	0.028%
118	10.768	1680	1682	1686	rVB5	8610	9126	0.02%	0.017%
119	10.811	1688	1690	1694	rBV5	5083	6923	0.02%	0.013%
120	10.848	1694	1697	1699	rVB4	6568	6197	0.01%	0.012%
121	10.891	1701	1705	1707	rBV2	19547	21889	0.05%	0.042%
122	10.917	1707	1710	1715	rVB7	8786	12570	0.03%	0.024%
123	10.992	1721	1724	1727	rBV	14745	15049	0.03%	0.029%
124	11.030	1727	1731	1735	rBV	8720	12870	0.03%	0.024%
125	11.067	1735	1738	1742	rBV6	5505	6994	0.02%	0.013%
126	11.152	1752	1754	1757	rBV4	4750	4412	0.01%	0.008%
127	11.217	1763	1766	1768	rBV4	5304	5072	0.01%	0.010%
128	11.291	1777	1780	1786	rVB7	12923	15115	0.03%	0.029%
129	11.371	1793	1795	1799	rVB5	6285	6225	0.01%	0.012%
130	11.414	1799	1803	1806	rVB6	5636	8326	0.02%	0.016%
131	11.446	1806	1809	1812	rBV2	9475	10501	0.02%	0.020%
132	11.494	1812	1818	1820	rVV3	9138	11905	0.03%	0.023%
133	11.516	1820	1822	1827	rVB6	7599	10657	0.02%	0.020%
134	11.580	1827	1834	1837	rBV8	6212	13882	0.03%	0.026%
135	11.623	1839	1842	1846	rVB5	12774	14626	0.03%	0.028%
136	11.660	1846	1849	1852	rBV5	6468	6751	0.01%	0.013%
137	11.729	1858	1862	1869	rBV6	15674	25130	0.06%	0.048%
138	11.799	1869	1875	1879	rVV	195018	217975	0.48%	0.413%
139	11.831	1879	1881	1885	rVB3	7240	7730	0.02%	0.015%
140	11.884	1886	1891	1893	rBV4	4366	5950	0.01%	0.011%
141	11.911	1893	1896	1901	rVB7	10041	14035	0.03%	0.027%
142	11.959	1901	1905	1908	rBV6	6687	8910	0.02%	0.017%
143	12.007	1912	1914	1920	rVB7	7294	9767	0.02%	0.019%
144	12.114	1929	1934	1938	rBV8	6216	10883	0.02%	0.021%
145	12.183	1944	1947	1948	rBV3	4768	4458	0.01%	0.008%
146	12.242	1953	1958	1960	rBV6	3831	4958	0.01%	0.009%
147	12.280	1963	1965	1969	rVB5	10078	10492	0.02%	0.020%
148	12.322	1969	1973	1976	rVB5	7401	8658	0.02%	0.016%
149	12.365	1976	1981	1982	rBV5	4673	5138	0.01%	0.010%
150	12.429	1989	1993	1996	rBV6	6620	9480	0.02%	0.018%
151	12.509	2002	2008	2012	rBV9	10253	20712	0.05%	0.039%
152	12.670	2035	2038	2043	rBV7	11145	17216	0.04%	0.033%
153	12.750	2049	2053	2054	rBV4	4905	4528	0.01%	0.009%

LSC Area Percent Report

Data Path : G:\GcMsData\2010\GCMS_5\Data\05-12-10\
 Data File : 5M57779.D
 Acq On : 12 May 2010 14:33
 Operator : AHD
 Sample : AC51387-003
 Misc : S,BNA
 ALS Vial : 15 Sample Multiplier: 1

Integration Parameters: LSCINT.P

Integrator: RTE

Smoothing : OFF

Sampling : 1

Start Thrs: 0.05

Stop Thrs : 0

Filtering: 5

Min Area: 500 Area counts

Max Peaks: 250

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 1

Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0430.M
 Title : @GCMS_5,mg,625,8270

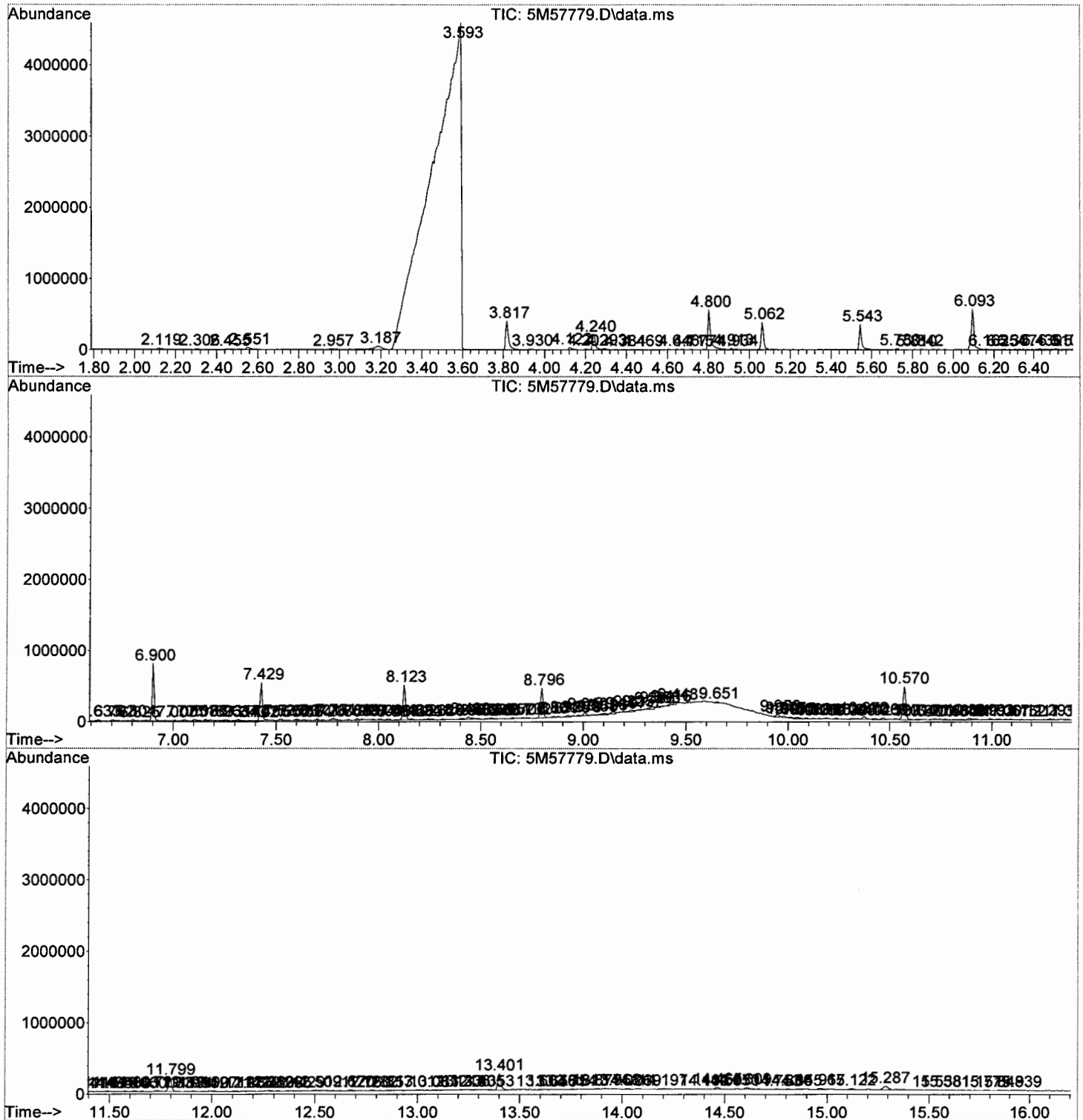
154	12.782	2056	2059	2062	rVB5	5912	6045	0.01%	0.011%
155	12.857	2069	2073	2076	rBV6	5827	8087	0.02%	0.015%
156	13.012	2098	2102	2103	rBV4	5996	6799	0.02%	0.013%
157	13.081	2113	2115	2117	rBV3	5963	5880	0.01%	0.011%
158	13.215	2136	2140	2141	rBV3	7649	6863	0.02%	0.013%
159	13.236	2143	2144	2146	rBV2	7738	6056	0.01%	0.011%
160	13.305	2153	2157	2159	rBV2	3721	4940	0.01%	0.009%
161	13.353	2164	2166	2170	rVB4	8199	8833	0.02%	0.017%
162	13.401	2170	2175	2183	rBV	232783	261991	0.58%	0.497%
163	13.604	2209	2213	2214	rBV4	8929	10080	0.02%	0.019%
164	13.658	2221	2223	2224	rBV2	5524	4518	0.01%	0.009%
165	13.701	2230	2231	2237	rVB6	7535	9603	0.02%	0.018%
166	13.754	2239	2241	2245	rBV4	7466	10119	0.02%	0.019%
167	13.813	2248	2252	2254	rBV4	6495	6647	0.01%	0.013%
168	13.877	2261	2264	2268	rBV5	9652	13961	0.03%	0.026%
169	13.968	2277	2281	2284	rVB5	9307	13713	0.03%	0.026%
170	14.021	2287	2291	2297	rBV9	7997	15884	0.04%	0.030%
171	14.069	2297	2300	2302	rBV4	6280	7189	0.02%	0.014%
172	14.197	2319	2324	2333	rBV4	10699	28722	0.06%	0.054%
173	14.400	2360	2362	2364	rVB2	5963	4773	0.01%	0.009%
174	14.465	2369	2374	2378	rBV7	23950	28722	0.06%	0.054%
175	14.507	2380	2382	2385	rVB3	6781	5442	0.01%	0.010%
176	14.550	2388	2390	2391	rBV2	7475	5448	0.01%	0.010%
177	14.609	2397	2401	2406	rBV6	19252	26983	0.06%	0.051%
178	14.753	2426	2428	2430	rBV3	4787	4503	0.01%	0.009%
179	14.806	2433	2438	2442	rBV7	8439	13064	0.03%	0.025%
180	14.855	2446	2447	2451	rBV4	6777	7095	0.02%	0.013%
181	14.967	2463	2468	2472	rBV8	18203	28862	0.06%	0.055%
182	15.122	2493	2497	2503	rVB9	14987	22790	0.05%	0.043%
183	15.287	2523	2528	2534	rBV6	50763	89567	0.20%	0.170%
184	15.538	2572	2575	2578	rBV5	4473	5776	0.01%	0.011%
185	15.581	2581	2583	2588	rVB6	4156	4977	0.01%	0.009%
186	15.779	2618	2620	2629	rVB10	4752	9148	0.02%	0.017%
187	15.848	2629	2633	2635	rBV5	4172	5124	0.01%	0.010%
188	15.939	2647	2650	2652	rBV4	5993	6135	0.01%	0.012%

Sum of corrected areas: 52722801

Data Path : G:\GCMSData\2010\GCMS_5\Data\05-12-10\
Data File : 5M57779.D
Acq On : 12 May 2010 14:33
Operator : AHD
Sample : AC51387-003
Misc : S,BNA
ALS Vial : 15 Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0430.M
Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : G:\GCMSData\2010\GCMS_5\Data\05-12-10\
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 Operator : AHD
 Sample : AC51387-003
 Misc : S,BNA
 ALS Vial : 15 Sample Multiplier: 1

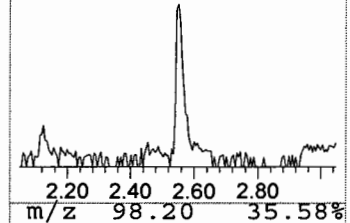
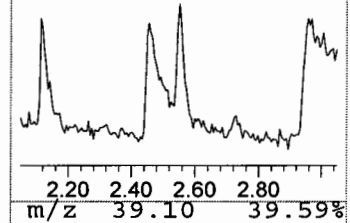
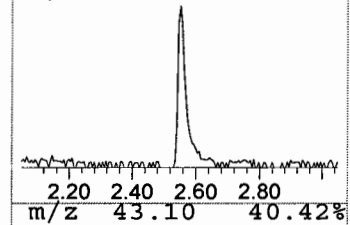
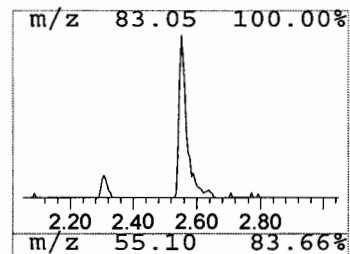
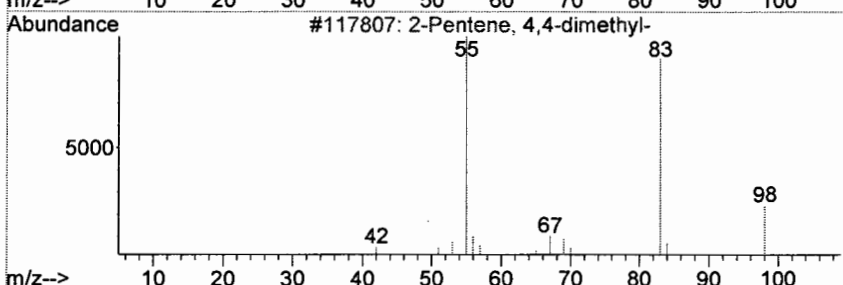
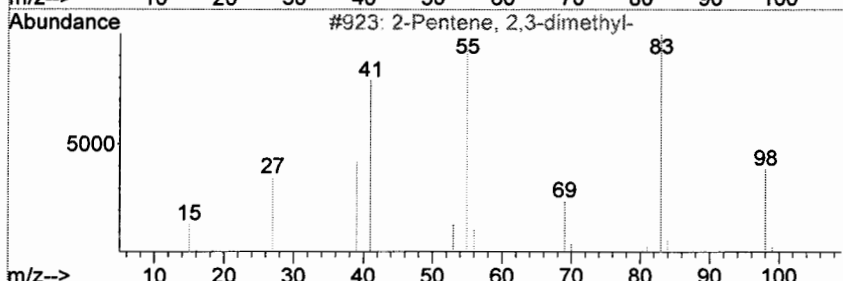
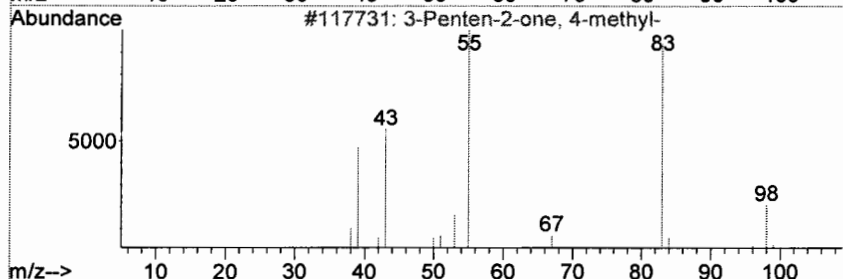
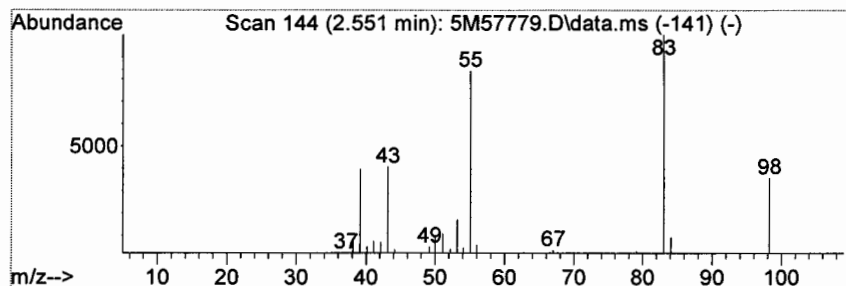
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 Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 1 3-Penten-2-one, 4-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.55	4.69 ng	36645	LibIS-1,4-Dichlorobenzene-d4	5.06

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			3-Penten-2-one, 4-methyl-	98	C6H10O	000141-79-7	91
2			2-Pentene, 2,3-dimethyl-	98	C7H14	010574-37-5	72
3			2-Pentene, 4,4-dimethyl-	98	C7H14	026232-98-4	59
4			2-Pentene, 3,4-dimethyl-, (E)-	98	C7H14	004914-92-5	58
5			3-Penten-2-one, 4-methyl-	98	C6H10O	000141-79-7	58



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_5\Data\05-12-10\
 Data File : 5M57779.D
 Acq On : 12 May 2010 14:33
 Operator : AHD
 Sample : AC51387-003
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 ALS Vial : 15 Sample Multiplier: 1

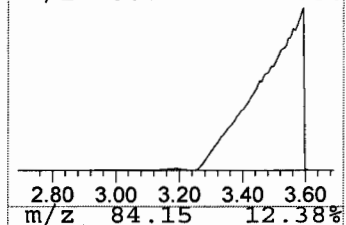
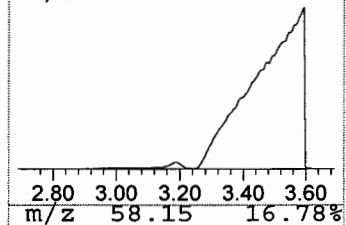
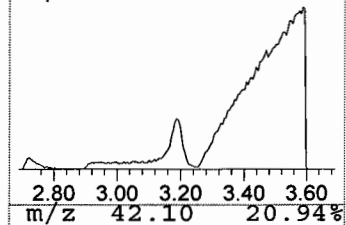
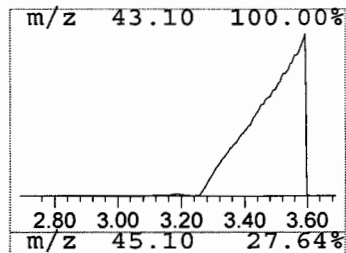
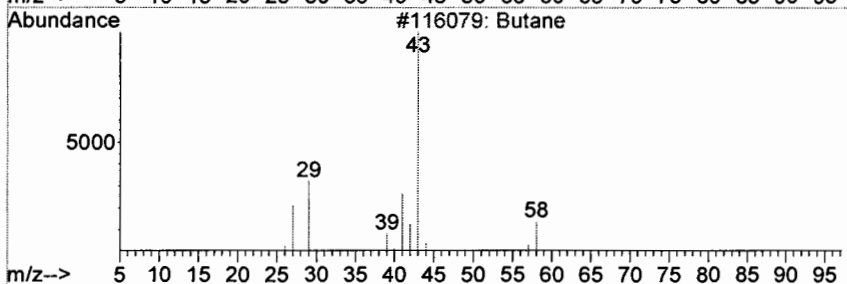
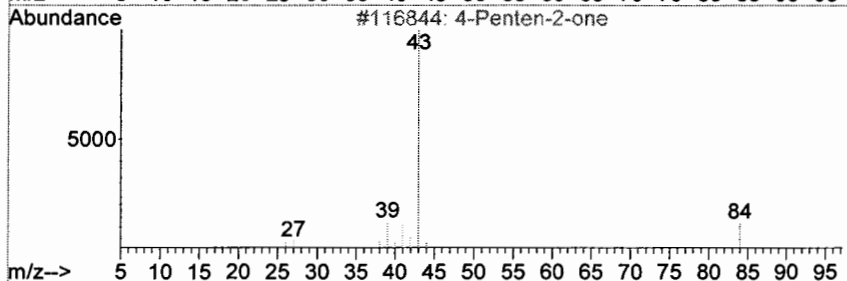
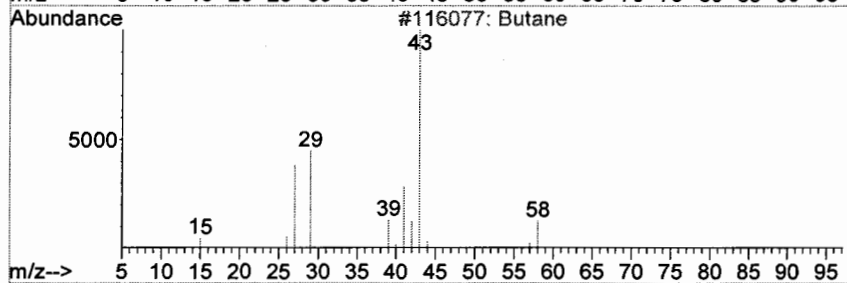
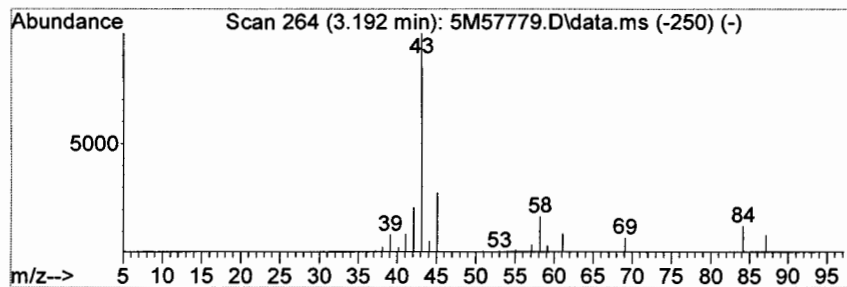
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 Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 2 unknown Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.19	16.80 ng	131316	LibIS-1,4-Dichlorobenzene-d4	5.06

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butane	58	C4H10	000106-97-8	9
2			4-Penten-2-one	84	C5H8O	013891-87-7	9
3			Butane	58	C4H10	000106-97-8	9
4			Acetic acid, 2-propenyl ester	100	C5H8O2	000591-87-7	9
5			Acetic acid, hexyl ester	144	C8H16O2	000142-92-7	9



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_5\Data\05-12-10\
 Data File : 5M57779.D
 Acq On : 12 May 2010 14:33
 Operator : AHD
 Sample : AC51387-003
 Misc : S,BNA
 ALS Vial : 15 Sample Multiplier: 1

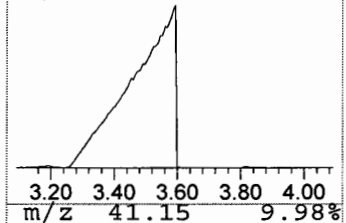
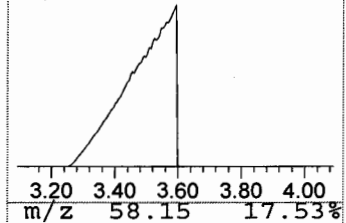
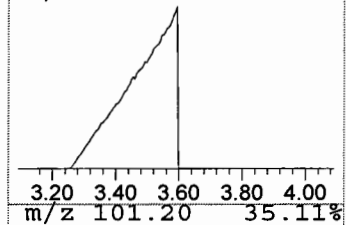
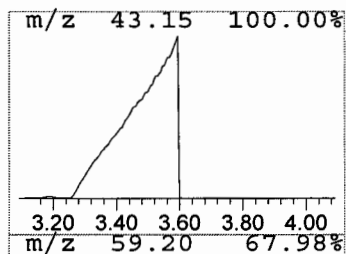
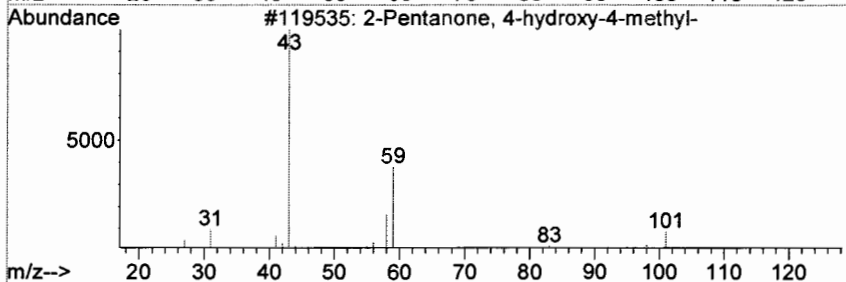
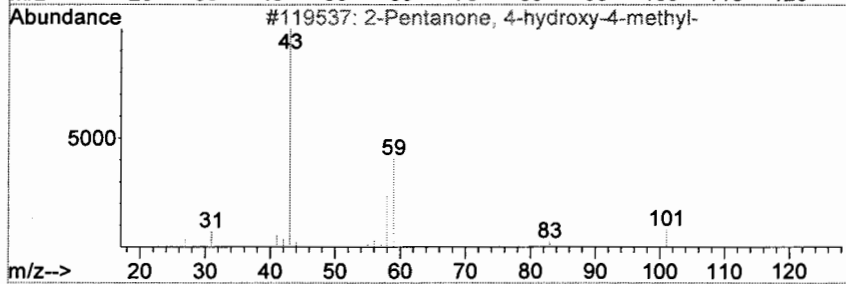
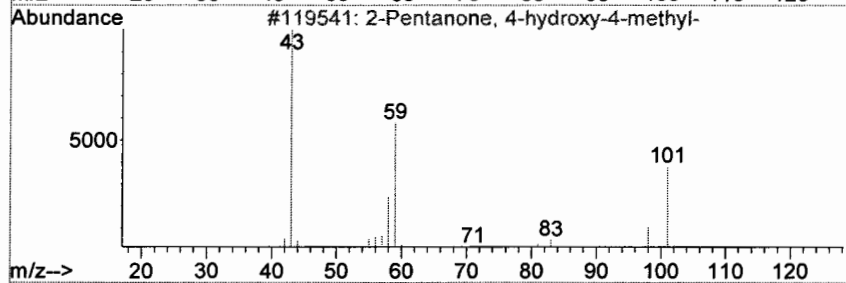
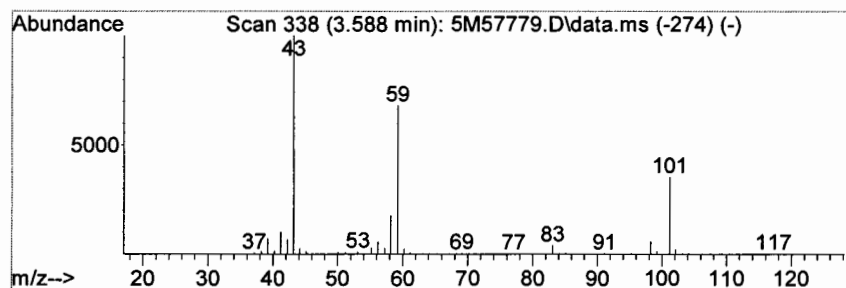
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 Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.59	5781.21 ng	45198839	LibIS-1,4-Dichlorobenzene-d4	5.06

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64		
2	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50		
3	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	47		
4	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	40		
5	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	40		



Library Search Compound Report

Data Path : G:\GCMSData\2010\GCMS_5\Data\05-12-10\
 Data File : 5M57779.D
 Acq On : 12 May 2010 14:33
 Operator : AHD
 Sample : AC51387-003
 Misc : S,BNA
 ALS Vial : 15 Sample Multiplier: 1

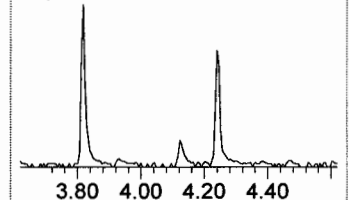
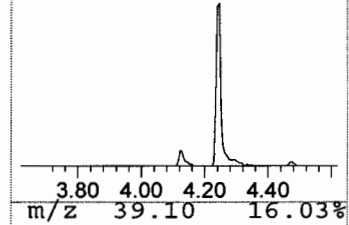
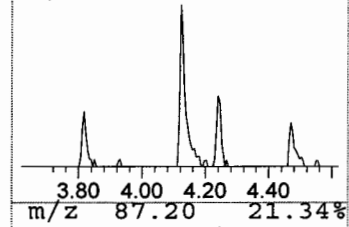
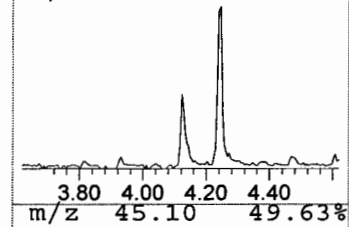
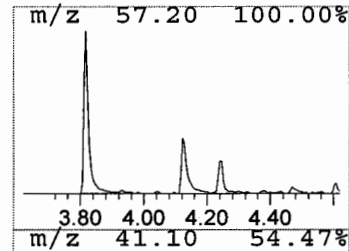
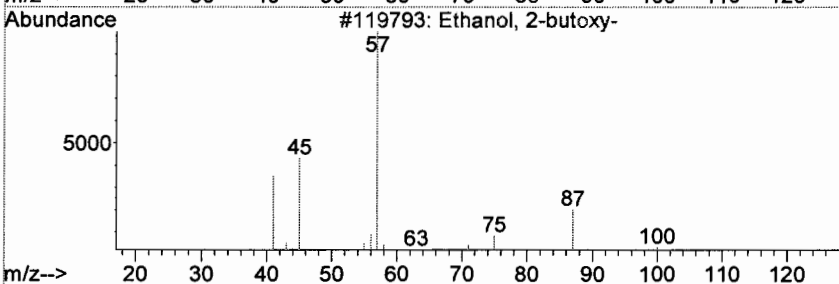
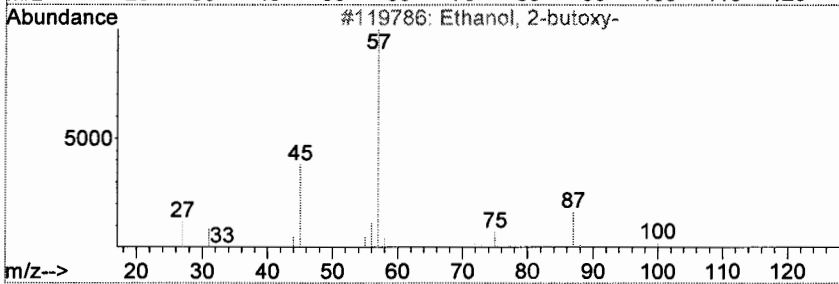
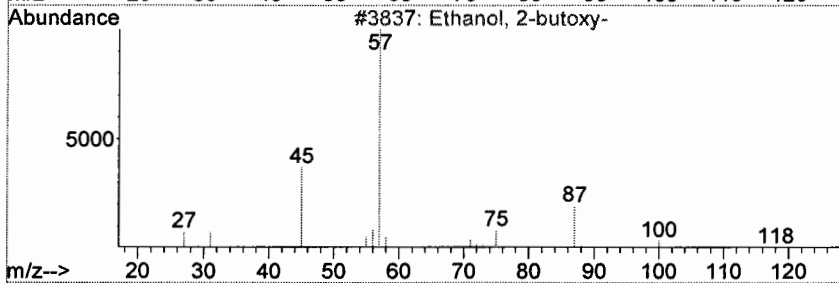
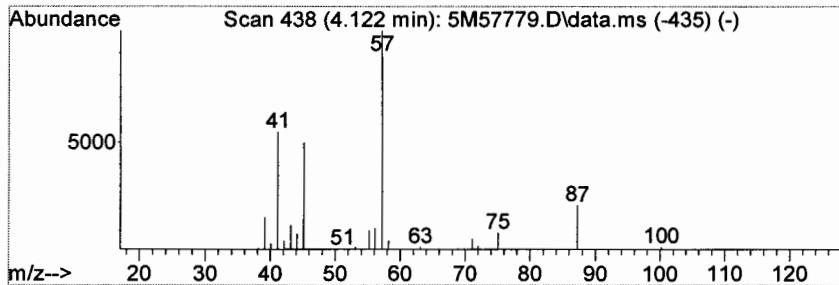
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 Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 4 Ethanol, 2-butoxy- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.12	4.60 ng	35943	LibIS-1,4-Dichlorobenzene-d4	5.06

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Ethanol, 2-butoxy-	118	C6H14O2	000111-76-2	83
2			Ethanol, 2-butoxy-	118	C6H14O2	000111-76-2	83
3			Ethanol, 2-butoxy-	118	C6H14O2	000111-76-2	78
4			Ethanol, 2-butoxy-	118	C6H14O2	000111-76-2	64
5			Ethanol, 2-butoxy-	118	C6H14O2	000111-76-2	40



Library Search Compound Report

Data Path : G:\GCMSData\2010\GCMS_5\Data\05-12-10\
 Data File : 5M57779.D
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 Operator : AHD
 Sample : AC51387-003
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 ALS Vial : 15 Sample Multiplier: 1

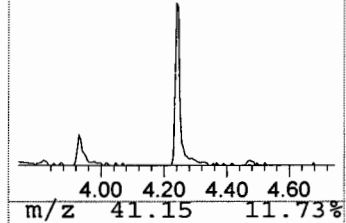
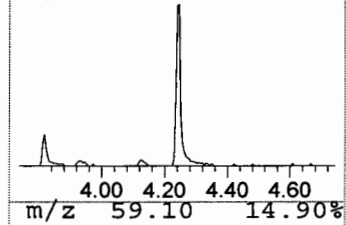
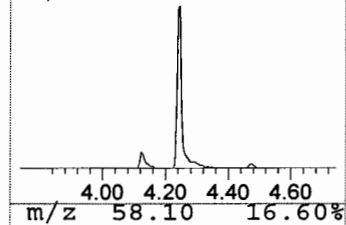
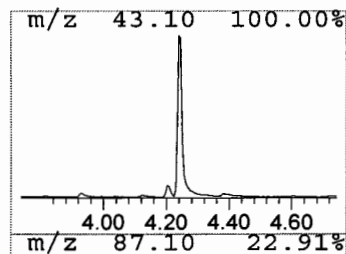
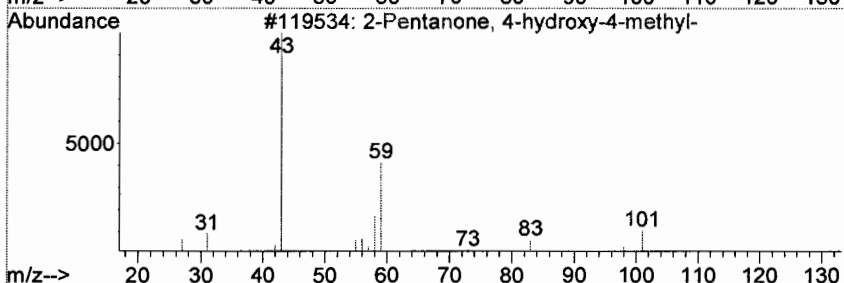
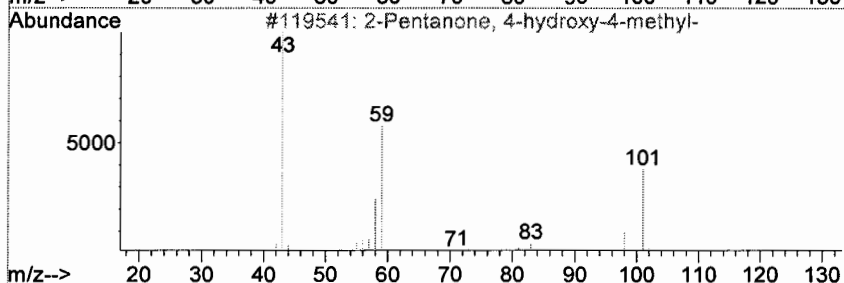
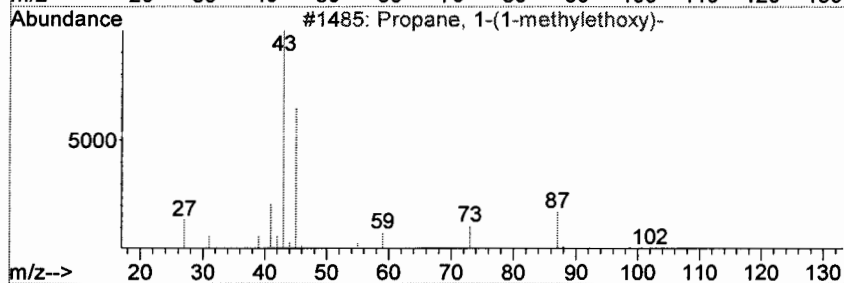
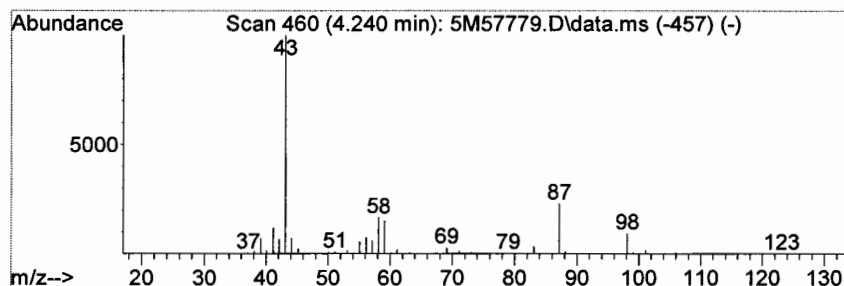
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 Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 5 unknown Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.24	27.35 ng	213804	LibIS-1,4-Dichlorobenzene-d4	5.06

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Propane, 1-(1-methylethoxy)-	102	C6H14O	000627-08-7	38
2		2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	25
3		2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	17
4		2-Heptanone	114	C7H14O	000110-43-0	12
5		4-Penten-2-one, 4-methyl-	98	C6H10O	003744-02-3	9



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_5\Data\05-12-10\
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 Operator : AHD
 Sample : AC51387-003
 Misc : S,BNA
 ALS Vial : 15 Sample Multiplier: 1

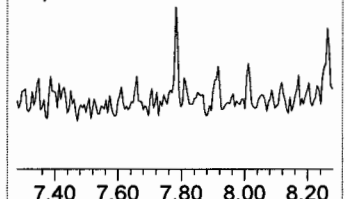
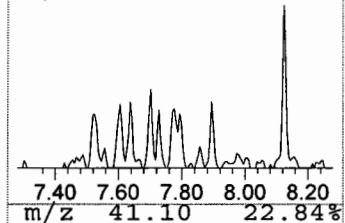
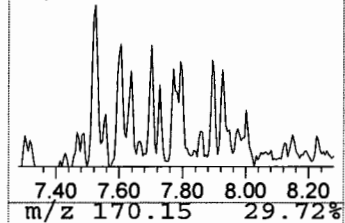
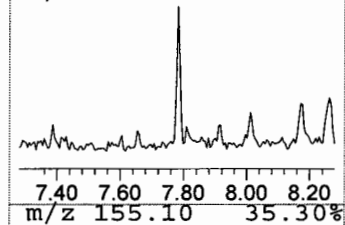
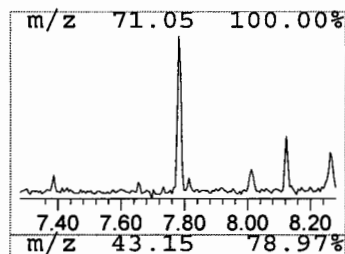
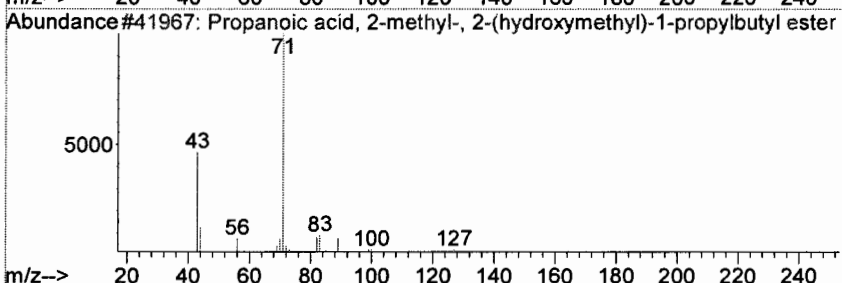
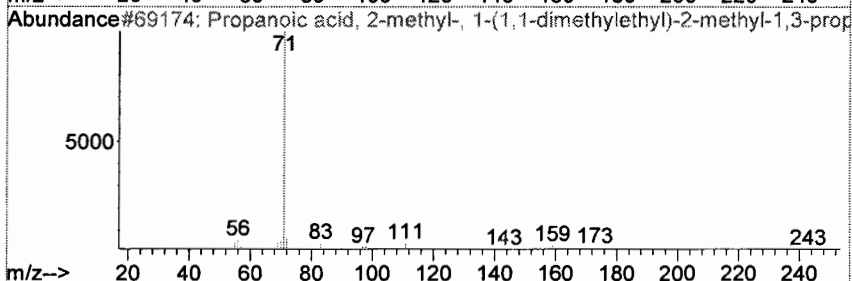
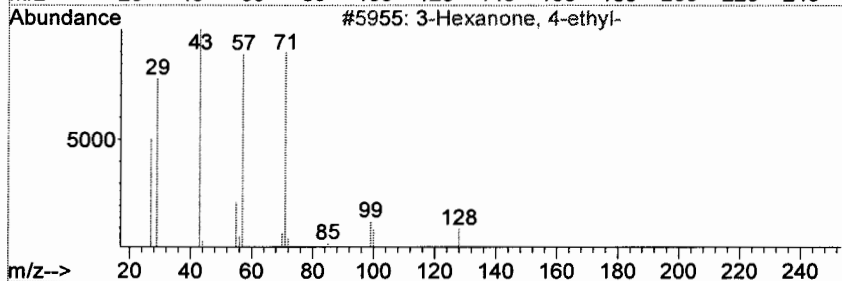
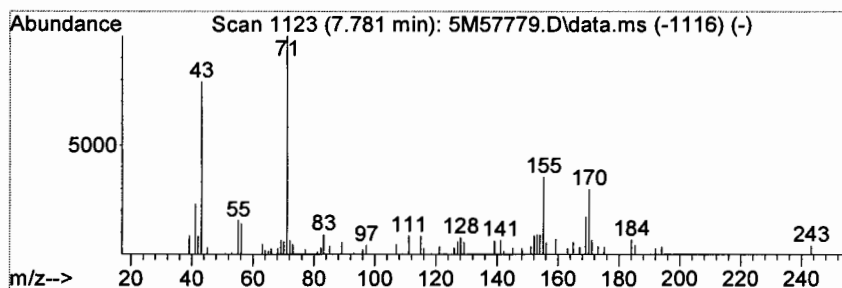
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 Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 6 unknown Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.78	5.86 ng	59654	LibIS-Acenaphthene-d10	7.43

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Hexanone, 4-ethyl-	128	C8H16O	006137-12-8	43
2		Propanoic acid, 2-methyl-, 1-(1,...	286	C16H30O4	074381-40-1	43
3		Propanoic acid, 2-methyl-, 2-(hy...	216	C12H24O3	074367-32-1	38
4		Pentane, 3-bromo-	150	C5H11Br	001809-10-5	32
5		Butanoic acid, 1-methyloctyl ester	214	C13H26O2	069727-42-0	32



Library Search Compound Report

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 Data File : 5M57779.D
 Acq On : 12 May 2010 14:33
 Operator : AHD
 Sample : AC51387-003
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 ALS Vial : 15 Sample Multiplier: 1

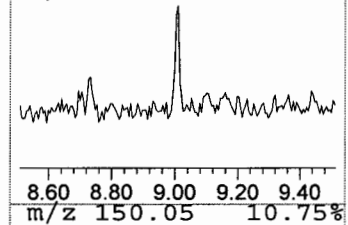
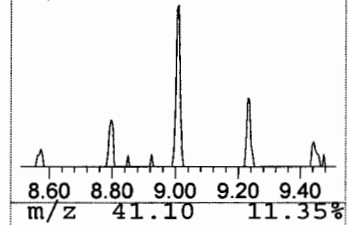
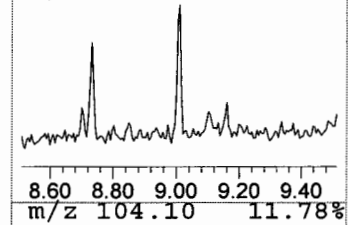
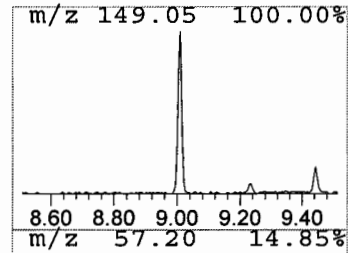
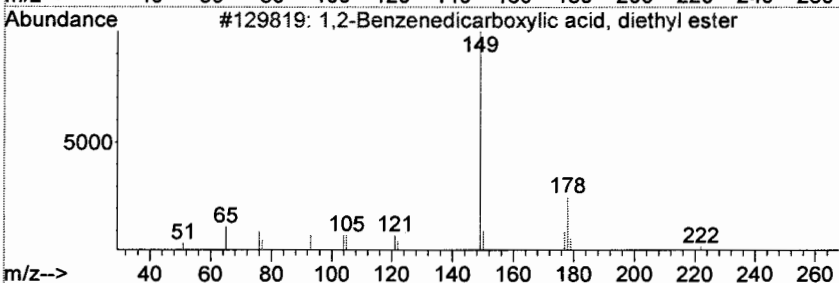
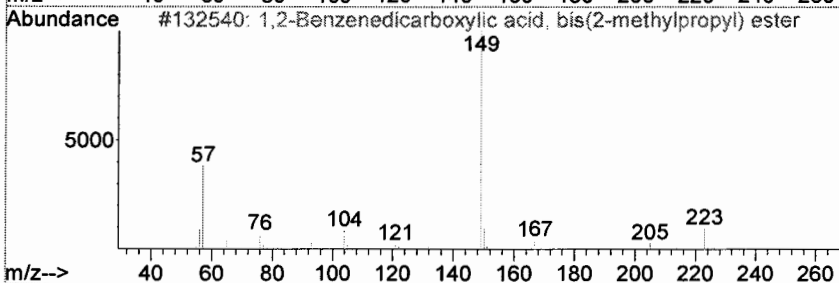
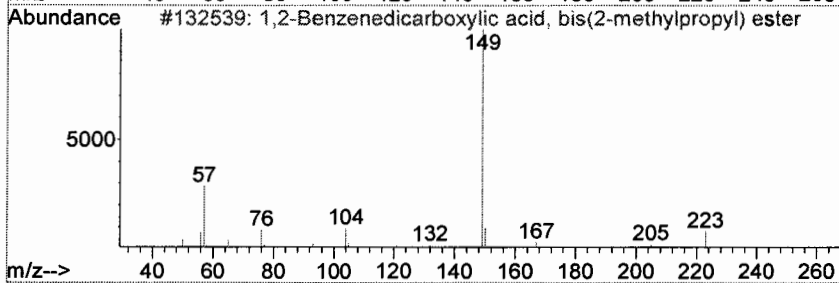
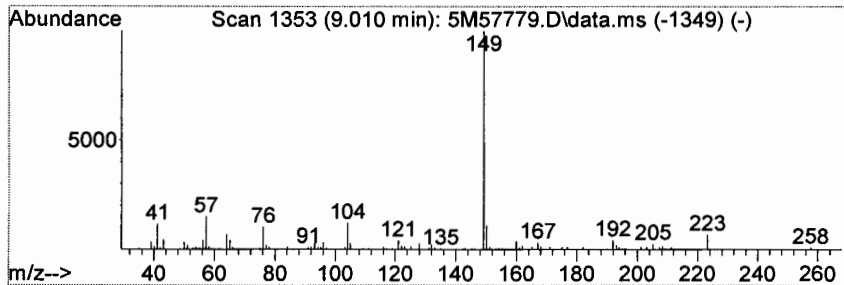
Quant Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0430.M
 Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 7 1,2-Benzenedicarboxylic aci... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.01	5.02 ng	46773	LibIS-Phenanthrene-d10	8.80

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,2-Benzenedicarboxylic acid, bi...	278	C16H22O4	000084-69-5	80
2			1,2-Benzenedicarboxylic acid, bi...	278	C16H22O4	000084-69-5	80
3			1,2-Benzenedicarboxylic acid, di...	222	C12H14O4	000084-66-2	64
4			1,2-Benzenedicarboxylic acid, di...	222	C12H14O4	000084-66-2	64
5			1,2-Benzenedicarboxylic acid, bi...	282	C14H18O6	000117-82-8	59



Data Path : G:\GCMSData\2010\GCMS_5\Data\05-12-10\
Data File : 5M57779.D
Acq On : 12 May 2010 14:33
Operator : AHD
Sample : AC51387-003
Misc : S,BNA
ALS Vial : 15 Sample Multiplier: 1

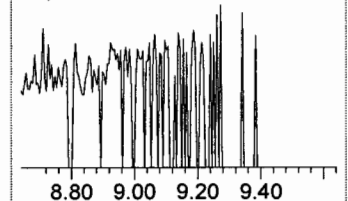
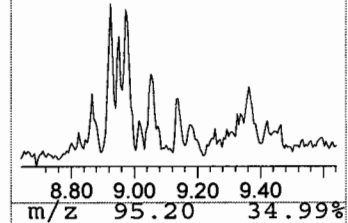
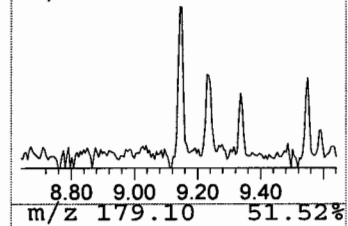
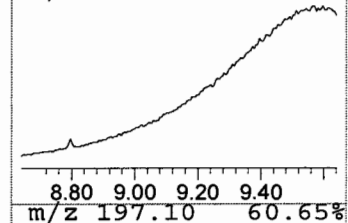
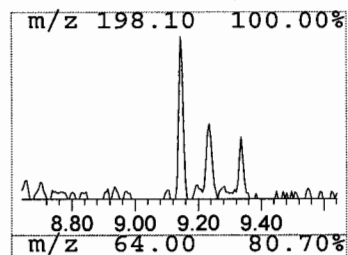
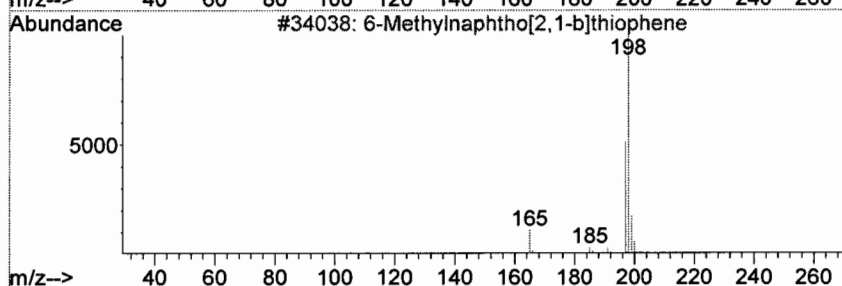
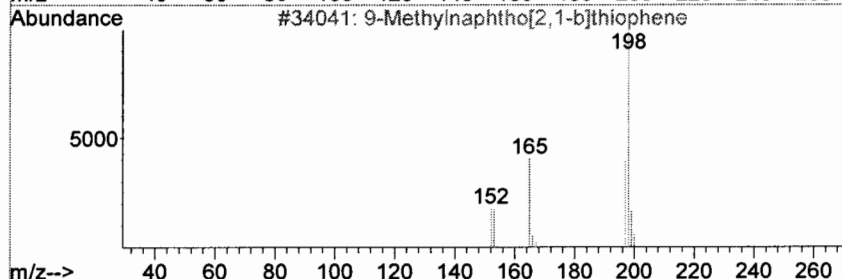
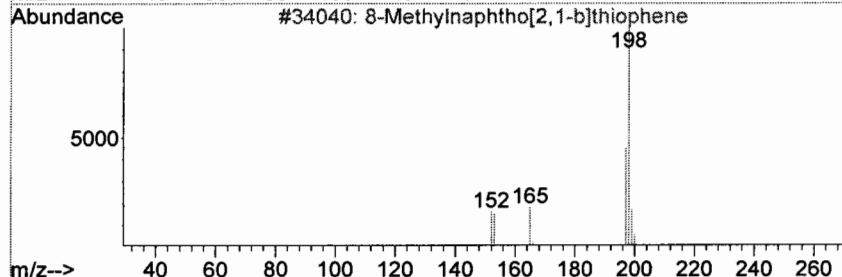
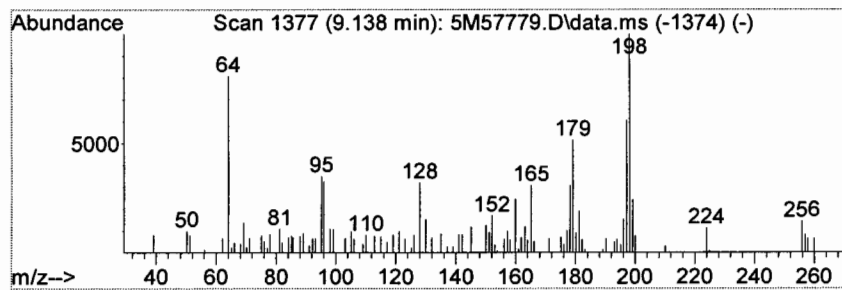
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Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 8-Methylnaphtho[2,1-b]thiop... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.14	4.67 ng	43451	LibIS-Phenanthrene-d10	8.80

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			8-Methylnaphtho[2,1-b]thiophene	198	C13H10S	004567-36-6	72
2			9-Methylnaphtho[2,1-b]thiophene	198	C13H10S	004567-34-4	64
3			6-Methylnaphtho[2,1-b]thiophene	198	C13H10S	004567-37-7	64
4			7-Methylnaphtho[2,1-b]thiophene	198	C13H10S	004567-39-9	58
5			5-Methylnaphtho[2,1-b]thiophene	198	C13H10S	086474-77-3	53



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_5\Data\05-12-10\
 Data File : 5M57779.D
 Acq On : 12 May 2010 14:33
 Operator : AHD
 Sample : AC51387-003
 Misc : S,BNA
 ALS Vial : 15 Sample Multiplier: 1

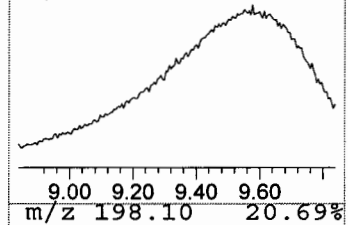
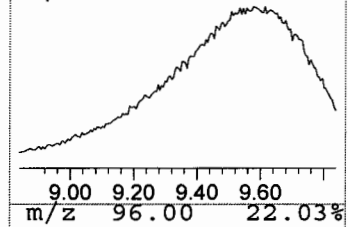
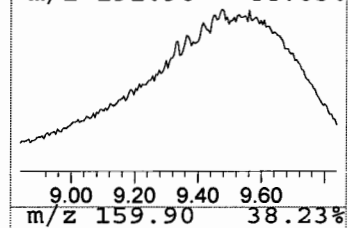
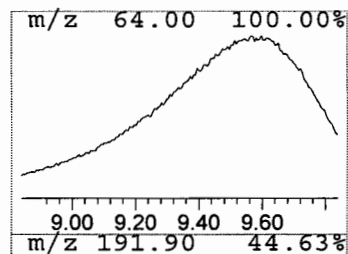
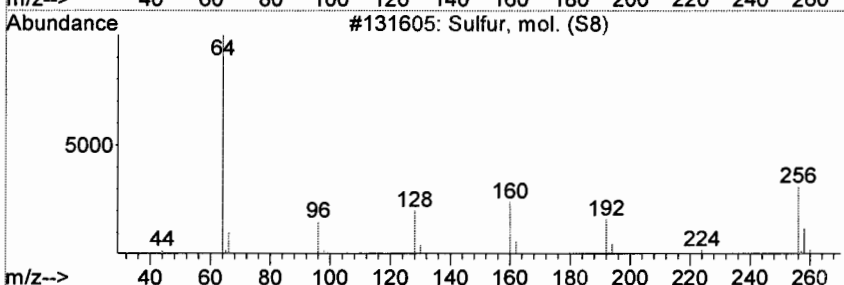
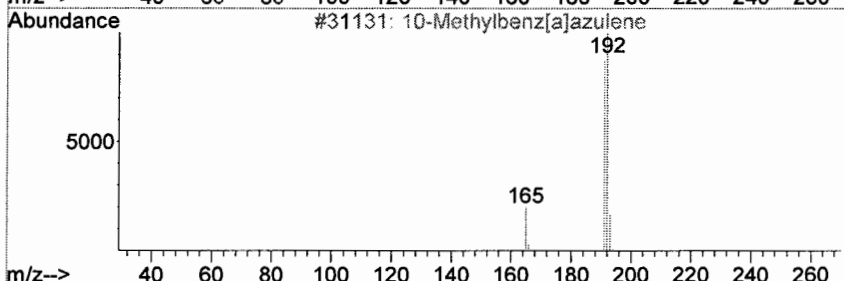
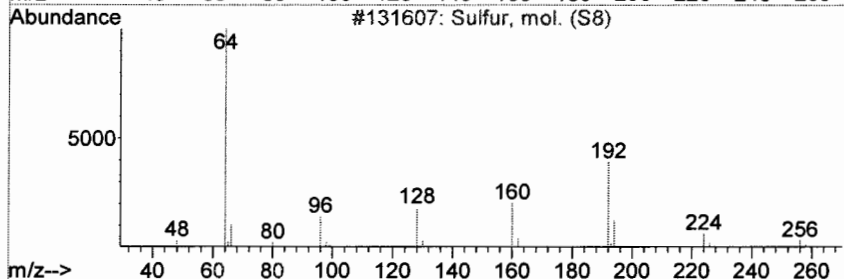
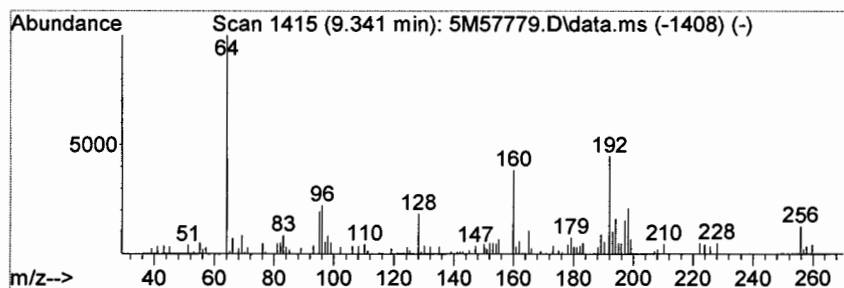
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 Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 9 Sulfur, mol. (S8) Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.34	5.65 ng	52623	LibIS-Phenanthrene-d10	8.80

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Sulfur, mol. (S8)	256	S8	010544-50-0	59
2			10-Methylbenz[a]azulene	192	C15H12	078926-60-0	38
3			Sulfur, mol. (S8)	256	S8	010544-50-0	38
4			1a,9b-Dihydrocyclopropa[1]phenan...	192	C15H12	000949-41-7	38
5			2-METHOXY-8-CHLORO-NAPHTHALENE	192	C11H9ClO	067061-67-0	37



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_5\Data\05-12-10\
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 Operator : AHD
 Sample : AC51387-003
 Misc : S,BNA
 ALS Vial : 15 Sample Multiplier: 1

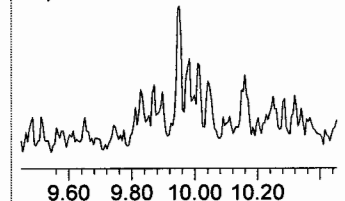
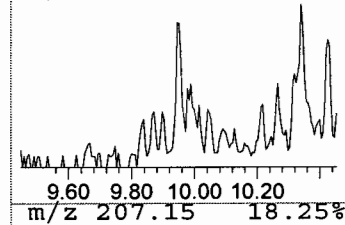
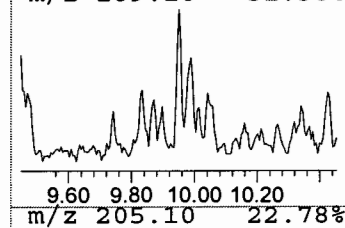
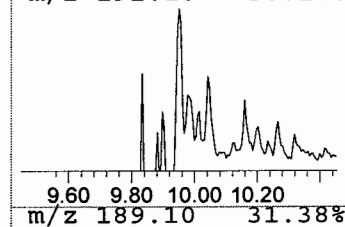
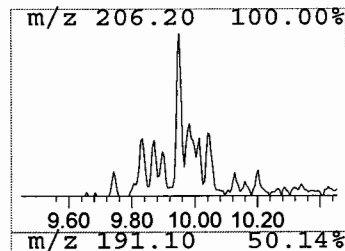
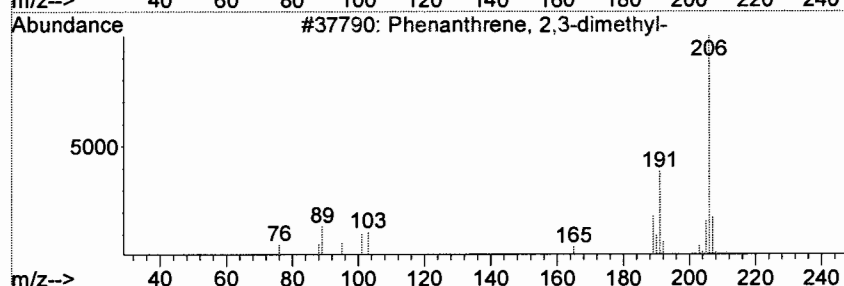
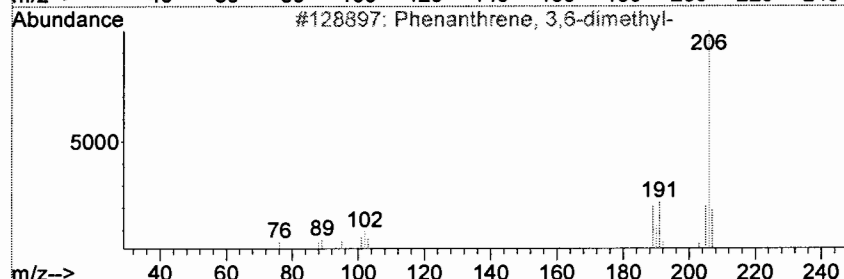
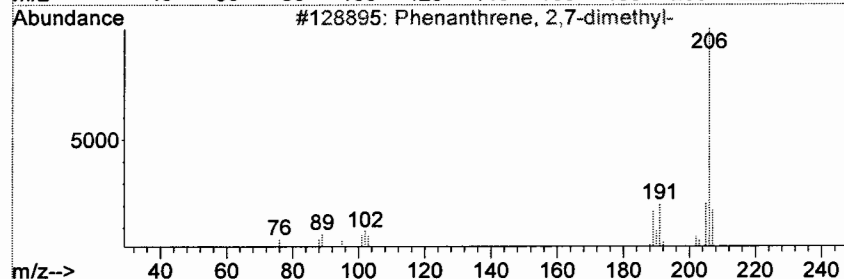
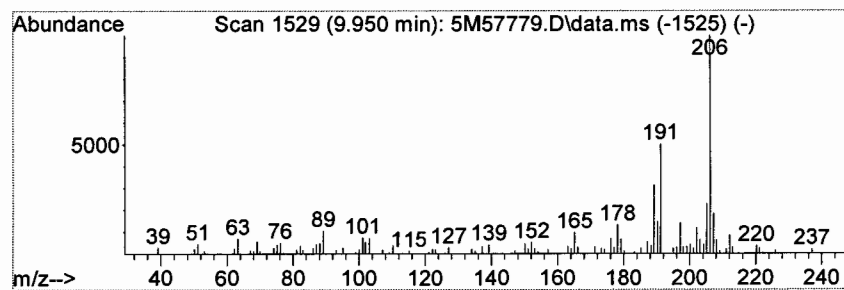
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TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 10 Phenanthrene, 2,7-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.95	4.31 ng	40102	LibIS-Phenanthrene-d10	8.80

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	89
2			Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	89
3			Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	83
4			Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	83
5			Anthracene, 9,10-dimethyl-	206	C16H14	000781-43-1	81



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_5\Data\05-12-10\
 Data File : 5M57779.D
 Acq On : 12 May 2010 14:33
 Operator : AHD
 Sample : AC51387-003
 Misc : S,BNA
 ALS Vial : 15 Sample Multiplier: 1

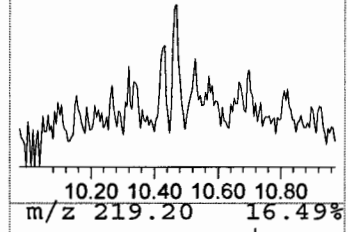
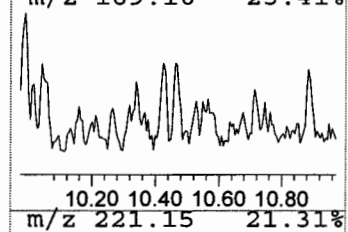
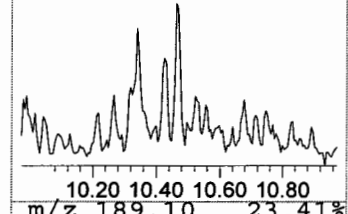
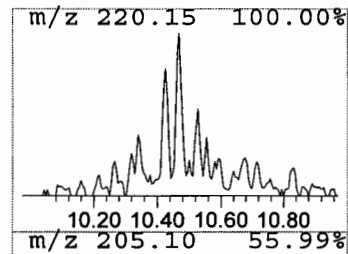
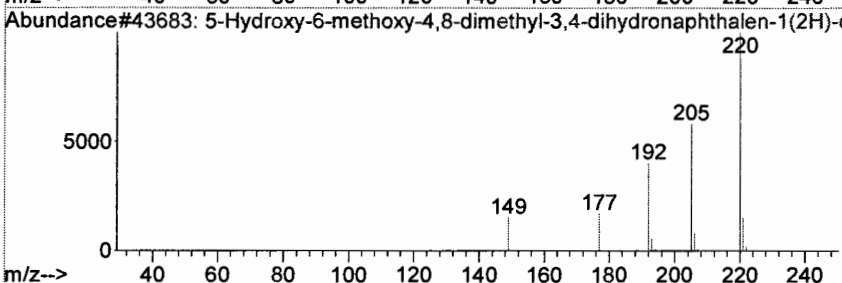
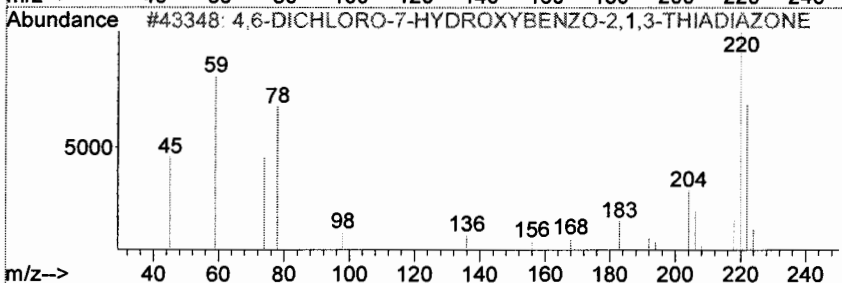
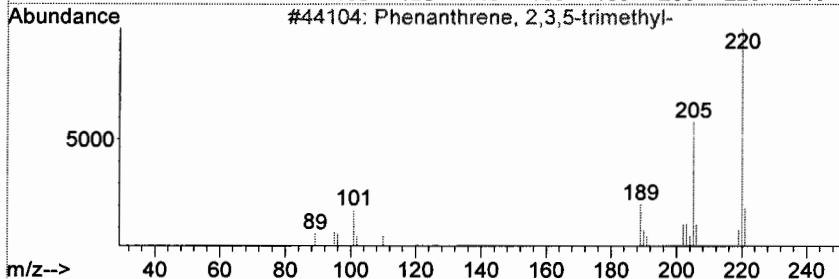
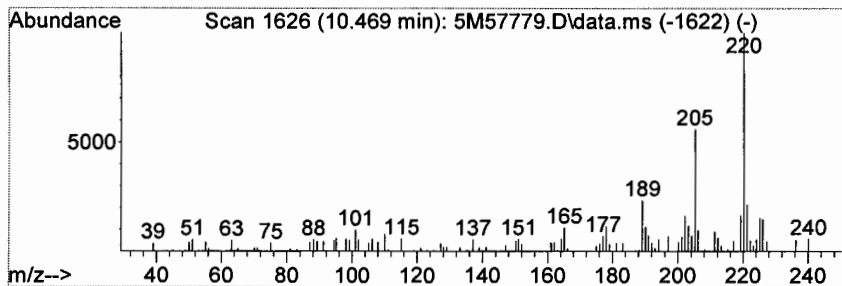
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 Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 11 Phenanthrene, 2,3,5-trimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.47	5.02 ng	26611	LibIS-Chrysene-d12	11.80

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2,3,5-trimethyl-	220	C17H16	003674-73-5	95
2			4,6-DICHLORO-7-HYDROXYBENZO-2,1,...	220	C6H2Cl2N2OS	016407-74-2	86
3			5-Hydroxy-6-methoxy-4,8-dimethyl...	220	C13H16O3	062192-87-4	53
4			EXO-4-METHYL-ENDO-6-PHENYLBENZOB...	220	C17H16	067457-01-6	53
5			3,4'-DIFLUORO-4-METHOXYBIPHENYL	220	C13H10F2O	000000-00-0	53



Library Search Compound Report

Data Path : G:\GCMSData\2010\GCMS_5\Data\05-12-10\
 Data File : 5M57779.D
 Acq On : 12 May 2010 14:33
 Operator : AHD
 Sample : AC51387-003
 Misc : S,BNA
 ALS Vial : 15 Sample Multiplier: 1

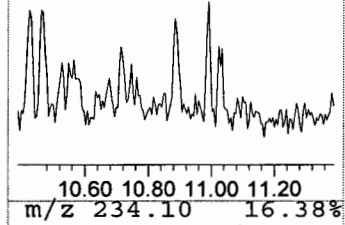
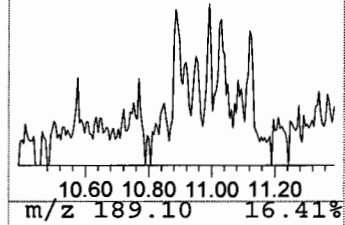
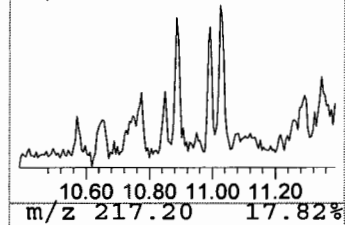
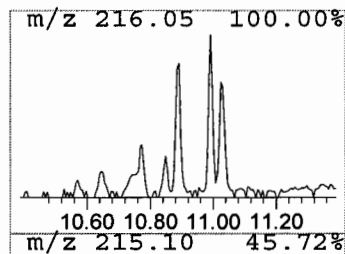
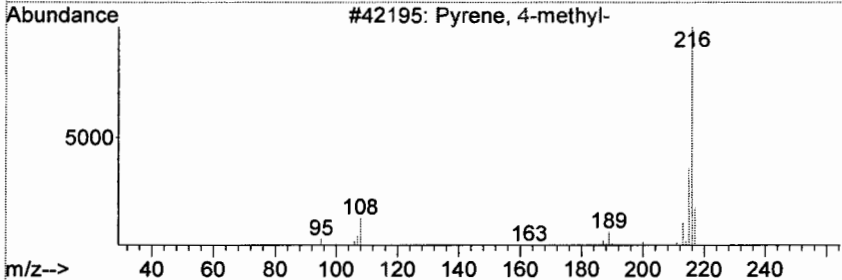
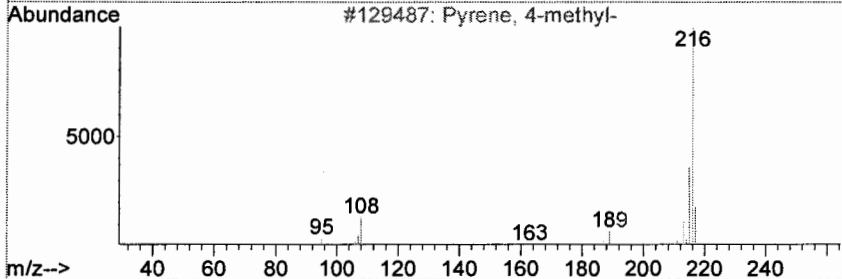
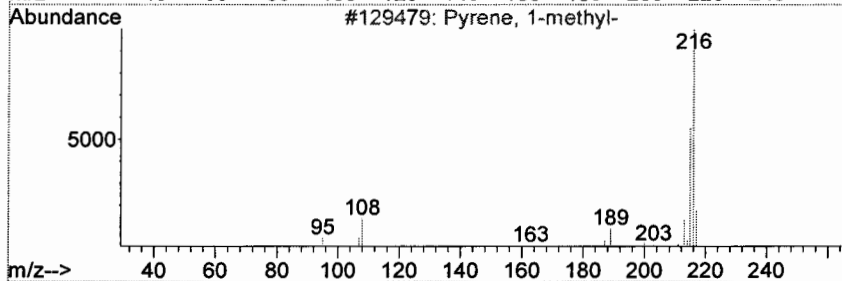
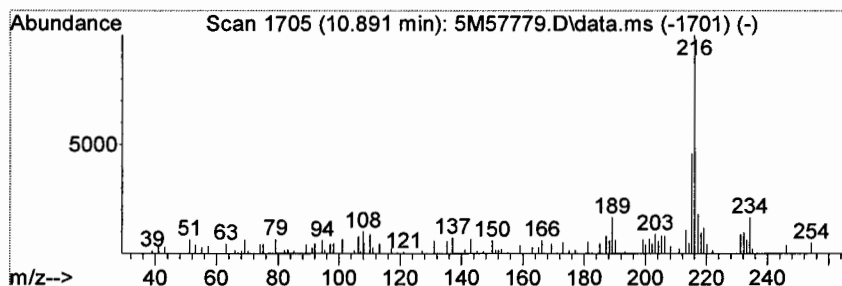
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TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 12 Pyrene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.89	4.13 ng	21889	LibIS-Chrysene-d12	11.80

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pyrene, 1-methyl-	216	C17H12	002381-21-7	58
2			Pyrene, 4-methyl-	216	C17H12	003353-12-6	58
3			Pyrene, 4-methyl-	216	C17H12	003353-12-6	58
4			Pyrene, 2-methyl-	216	C17H12	003442-78-2	58
5			Pyrene, 1-methyl-	216	C17H12	002381-21-7	58



Library Search Compound Report

Data Path : G:\GCMSData\2010\GCMS_5\Data\05-12-10\
 Data File : 5M57779.D
 Acq On : 12 May 2010 14:33
 Operator : AHD
 Sample : AC51387-003
 Misc : S,BNA
 ALS Vial : 15 Sample Multiplier: 1

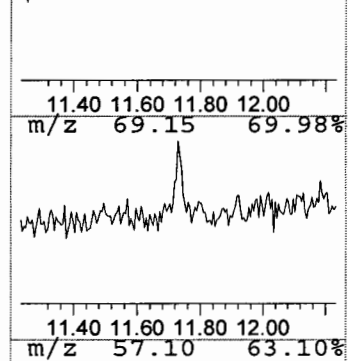
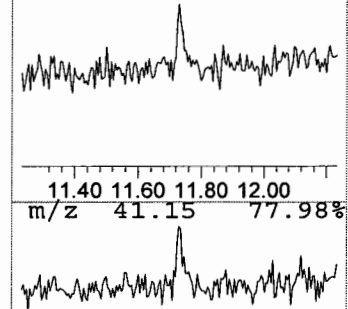
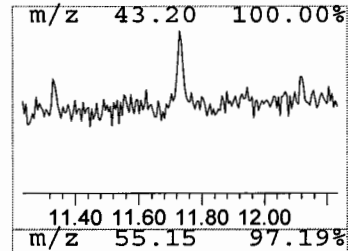
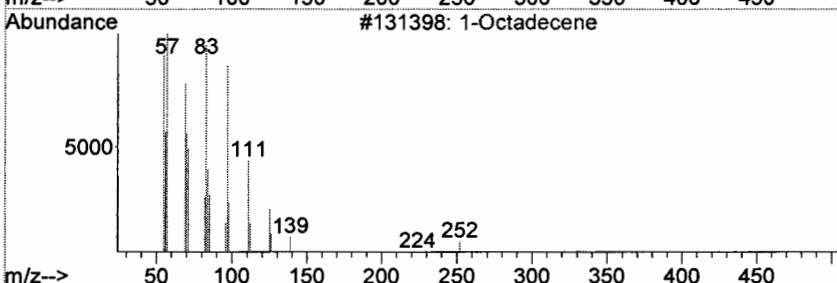
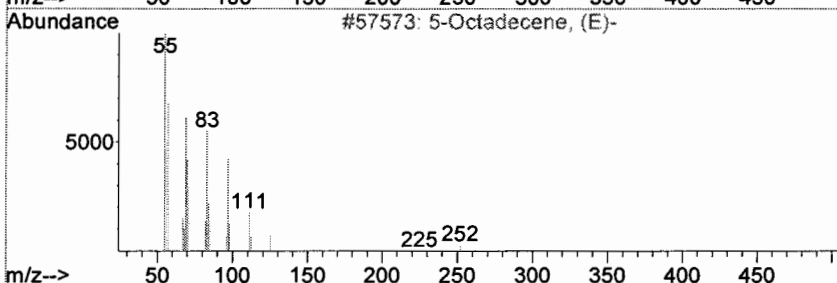
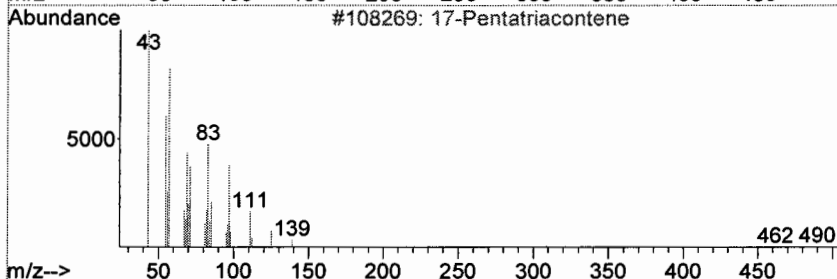
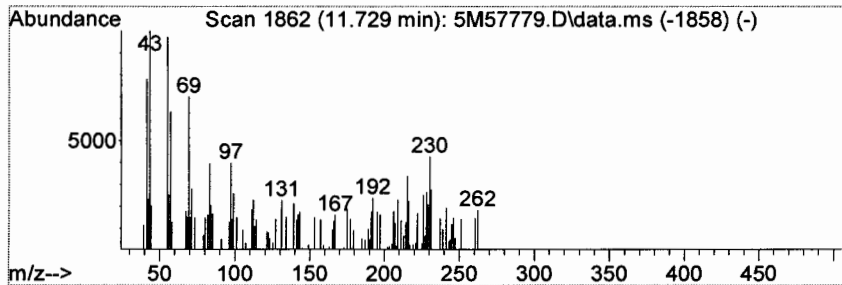
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 Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 13 unknown Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.73	4.74 ng	25130	LibIS-Chrysene-d12	11.80

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			17-Pentatriacontene	491	C35H70	006971-40-0	11
2			5-Octadecene, (E)-	252	C18H36	007206-21-5	11
3			1-Octadecene	252	C18H36	000112-88-9	11
4			7-Oxabicyclo[4.1.0]heptane, 3-me...	112	C7H12O	036099-51-1	10
5			3-Hexadecene, (Z)-	224	C16H32	034303-81-6	10



Library Search Compound Report

Data Path : G:\GCMSData\2010\GCMS_5\Data\05-12-10\
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 Acq On : 12 May 2010 14:33
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 Sample : AC51387-003
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 ALS Vial : 15 Sample Multiplier: 1

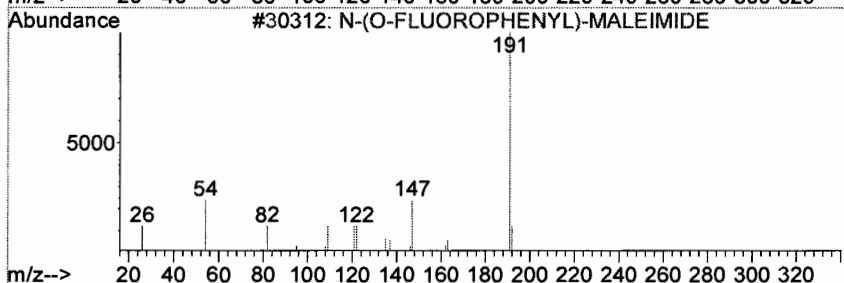
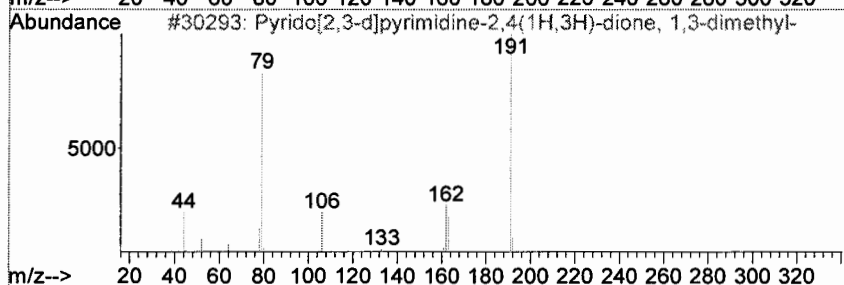
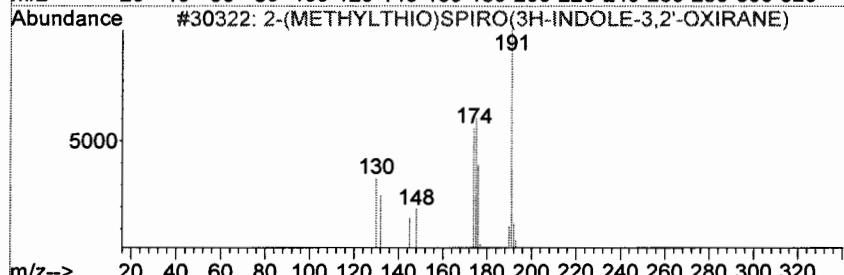
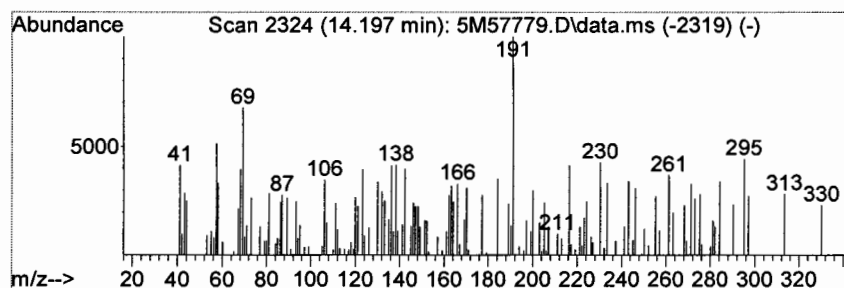
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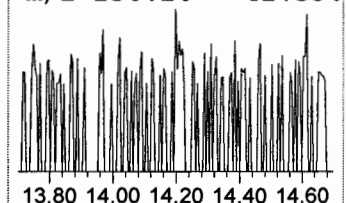
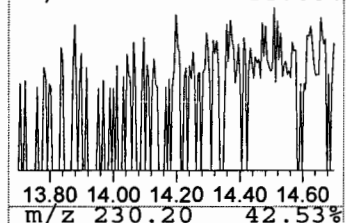
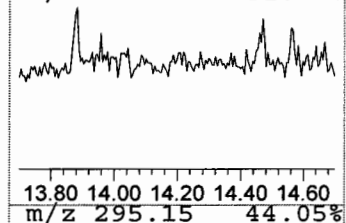
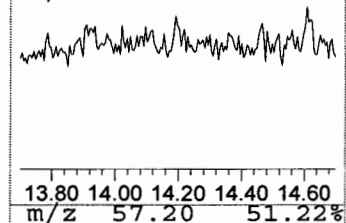
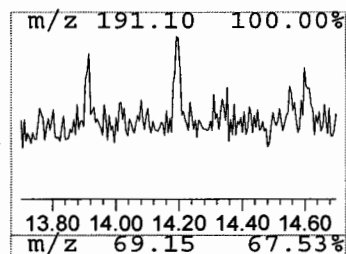
 Peak Number 14 unknown Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.20	5.04 ng	28722	LibIS-Perylene-d12	13.40

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-	(METHYLTHIO)SPIRO(3H-INDOLE-3,...	191	C10H9NOS	035524-67-5	11	
2	Pyrido[2,3-d]pyrimidine-2,4(1H,3...	191	C9H9N3O2	024410-21-7	10		
3	N-(O-FLUOROPHENYL)-MALEIMIDE	191	C10H6FNO2	000000-00-0	9		
4	Benzenamine, 4-methoxy-2-(3-meth...	191	C12H17NO	069611-50-3	9		
5	.BETA.-METHYLIONONE	206	C14H22O	000000-00-0	9		



5M_0430.M Thu May 13 13:52:14 2010 RPT1



Data Path : G:\GCMSData\2010\GCMS_5\Data\05-12-10\
Data File : 5M57779.D
Acq On : 12 May 2010 14:33
Operator : AHD
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ALS Vial : 15 Sample Multiplier: 1

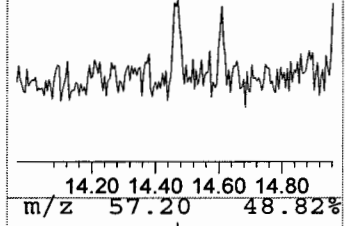
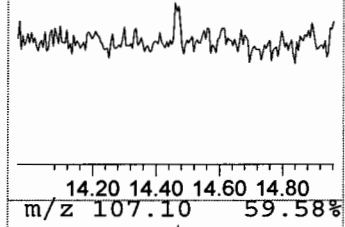
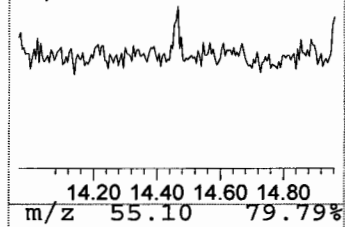
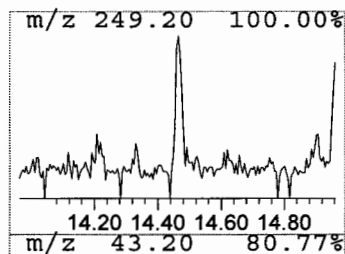
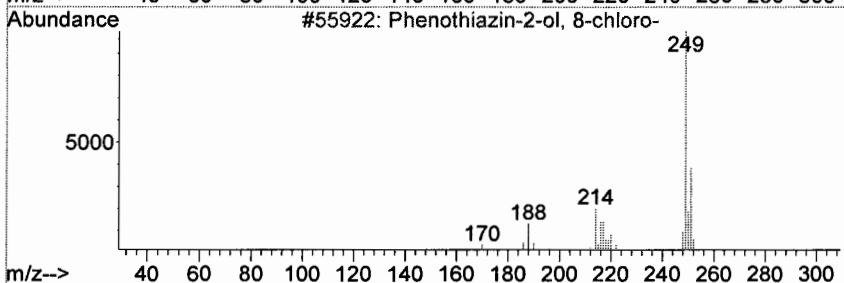
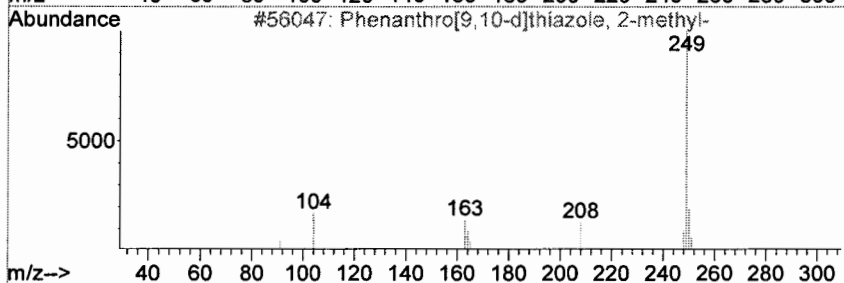
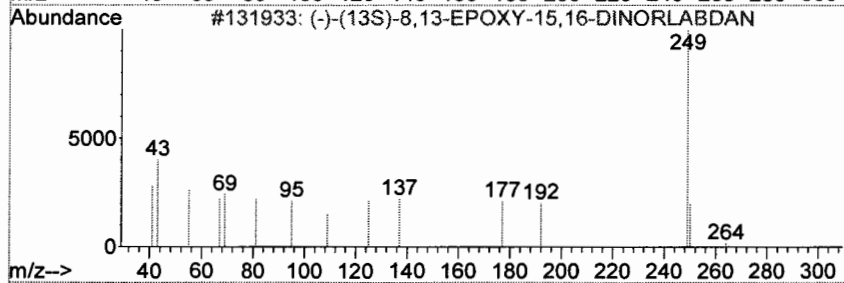
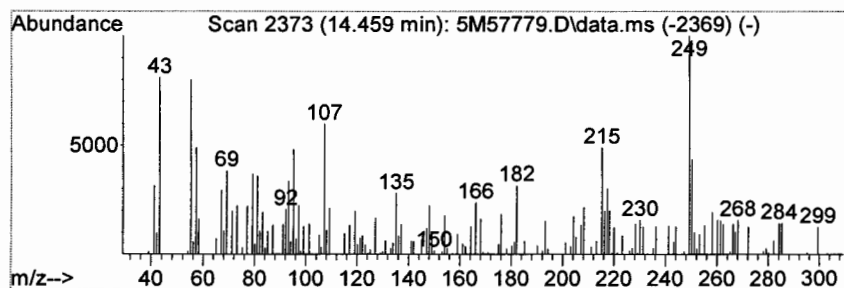
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Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

Peak Number 15 unknown Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.46	5.04 ng	28722	LibIS-Perylene-d12	13.40

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	(-)	(13S)-8,13-EPOXY-15,16-DINOR...	264	C18H32O	060134-37-4	25	
2	Phenanthro[9,10-d]thiazole, 2-me...	249	C16H11NS	021639-90-7	22		
3	Phenothiazin-2-ol, 8-chloro-	249	C12H8ClNOS	005909-61-5	22		
4	12H-Benzo[a]phenothiazine	249	C16H11NS	000225-83-2	22		
5	(+)-(13R)-8,13-EPOXY-15,16-DINOR...	264	C18H32O	060134-38-5	16		



Data Path : G:\GCMSData\2010\GCMS_5\Data\05-12-10\
Data File : 5M57779.D
Acq On : 12 May 2010 14:33
Operator : AHD
Sample : AC51387-003
Misc : S,BNA
ALS Vial : 15 Sample Multiplier: 1

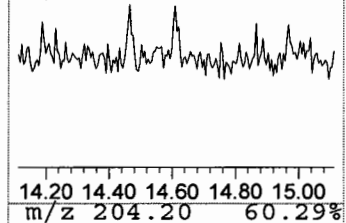
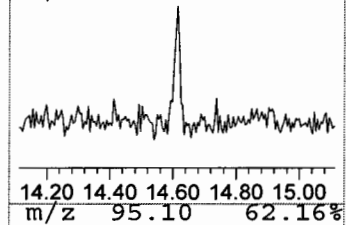
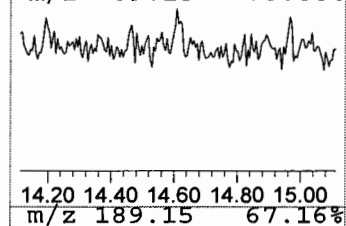
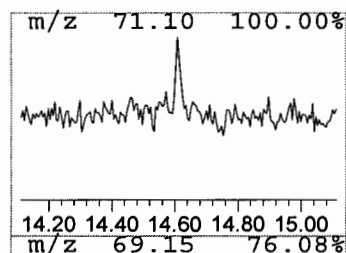
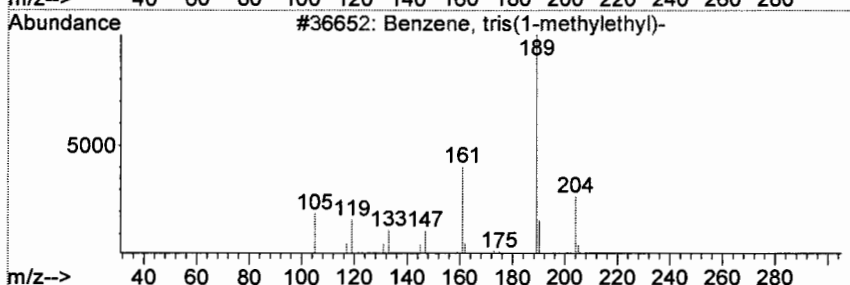
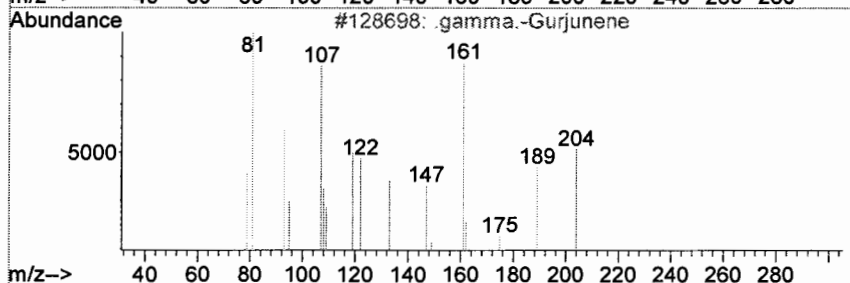
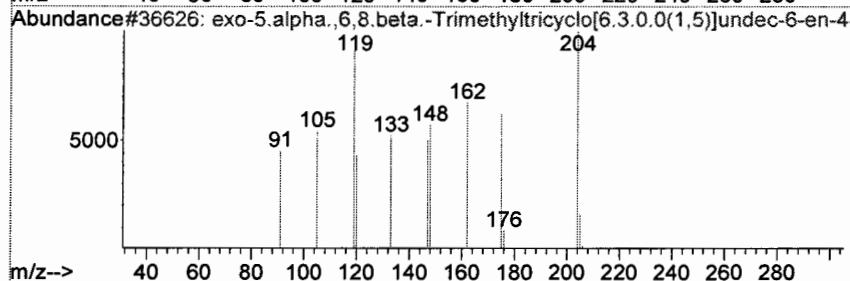
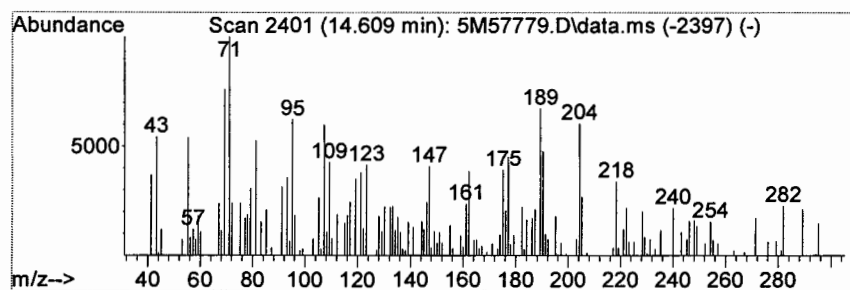
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Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

Peak Number 16 unknown Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.61	4.74 ng	26983	LibIS-Perylene-d12	13.40

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			exo-5.alpha.,6,8.beta.-Trimethyl...	204	C14H20O	076251-30-4	22
2			.gamma.-Gurjunene	204	C15H24	022567-17-5	22
3			Benzene, tris(1-methylethyl)-	204	C15H24	027322-34-5	14
4			Tricyclazole	189	C9H7N3S	041814-78-2	11
5			PLASTOQUINONE	204	C13H16O2	002134-79-4	11



Data Path : G:\GcMsData\2010\GCMS_5\Data\05-12-10\
Data File : 5M57779.D
Acq On : 12 May 2010 14:33
Operator : AHD
Sample : AC51387-003
Misc : S,BNA
ALS Vial : 15 Sample Multiplier: 1

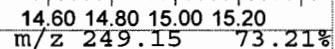
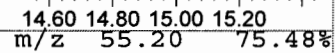
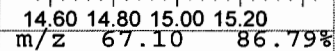
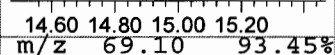
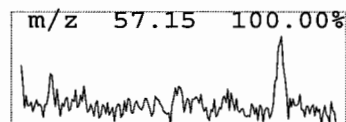
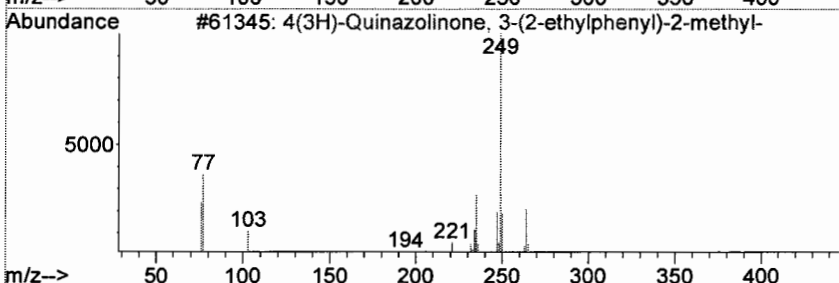
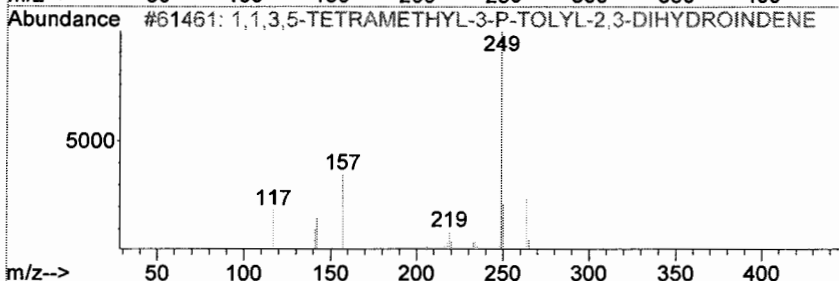
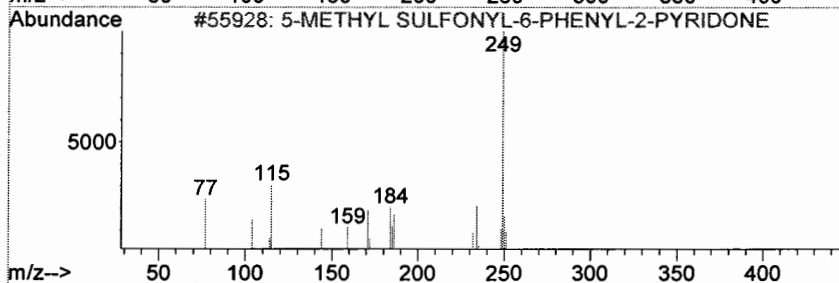
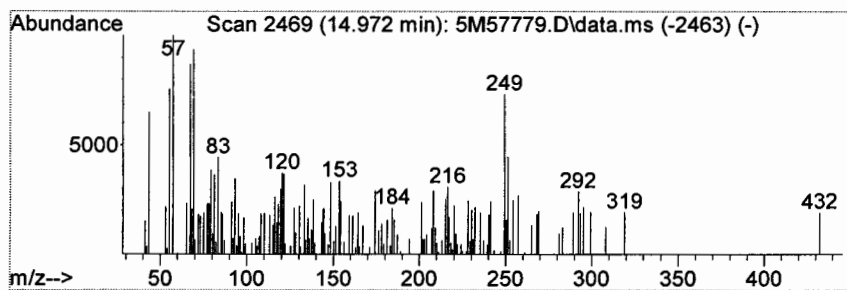
Quant Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0430.M
Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

Peak Number 17 unknown Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.97	5.07 ng	28862	LibIS-Perylene-d12	13.40

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			5-METHYL SULFONYL-6-PHENYL-2-PYR...	249	C12H11NO3S	034502-64-2	43
2			1,1,3,5-TETRAMETHYL-3-P-TOLYL-2,...	264	C20H24	000000-00-0	43
3			4(3H)-Quinazolinone, 3-(2-ethylp...	264	C17H16N2O	007432-25-9	43
4			9,10-Anthracenedione, 2-(1,1-dim...	264	C18H16O2	000084-47-9	41
5			3,5-Di-tert-butylphenoxyacetic acid	264	C16H24O3	094037-72-6	35



Data Path : G:\GCMSData\2010\GCMS_5\Data\05-12-10\
Data File : 5M57779.D
Acq On : 12 May 2010 14:33
Operator : AHD
Sample : AC51387-003
Misc : S,BNA
ALS Vial : 15 Sample Multiplier: 1

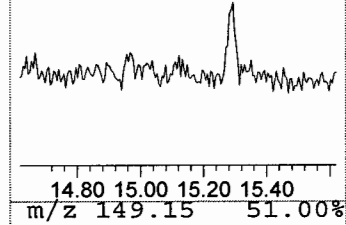
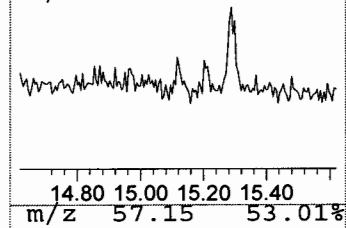
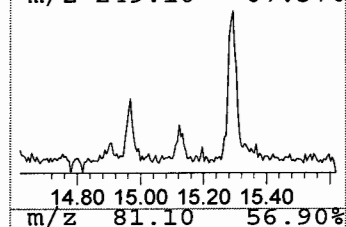
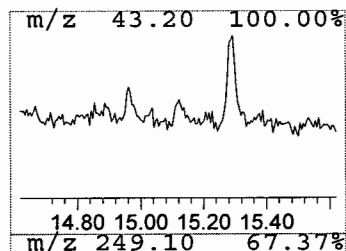
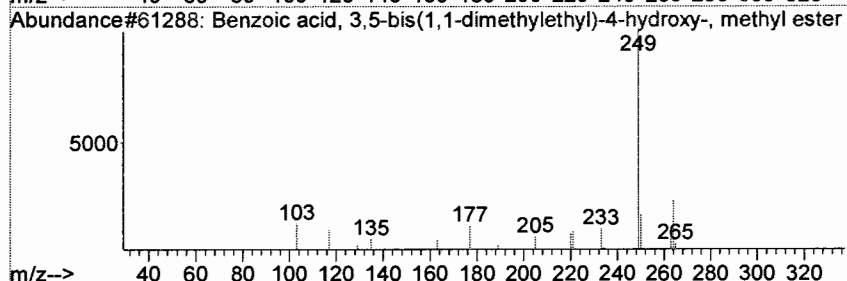
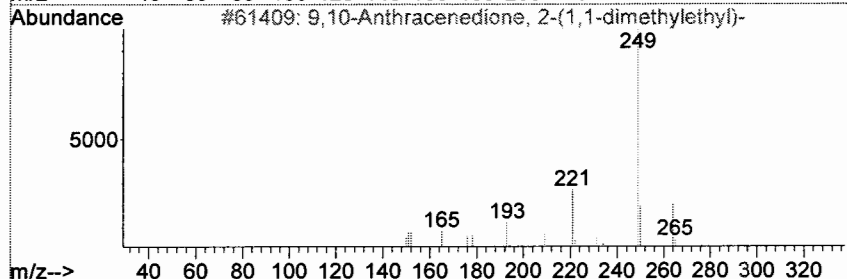
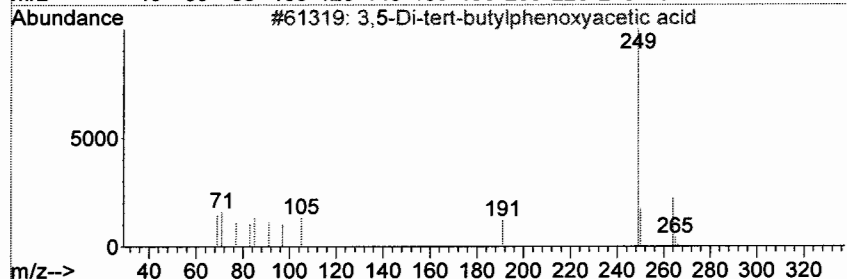
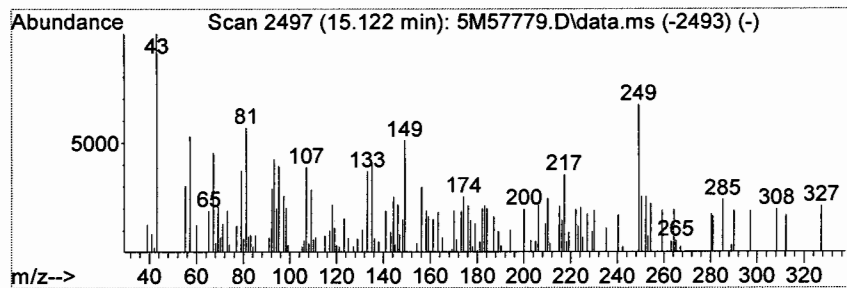
Quant Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0430.M
Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

Peak Number 18 unknown Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.12	4.00 ng	22790	LibIS-Perylene-d12	13.40

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			3,5-Di-tert-butylphenoxyacetic acid	264	C16H24O3	094037-72-6	18
2			9,10-Anthracenedione, 2-(1,1-dim...	264	C18H16O2	000084-47-9	18
3			Benzoic acid, 3,5-bis(1,1-dimeth...	264	C16H24O3	002511-22-0	14
4			8.beta.,13:13,17-Diepoxy-14,15,1...	264	C17H28O2	010266-81-6	14
5			4(3H)-Quinazolinone, 3-(2-ethylp...	264	C17H16N2O	007432-25-9	14



Data Path : G:\GCMSData\2010\GCMS_5\Data\05-12-10\
Data File : 5M57779.D
Acq On : 12 May 2010 14:33
Operator : AHD
Sample : AC51387-003
Misc : S,BNA
ALS Vial : 15 Sample Multiplier: 1

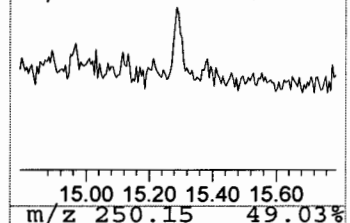
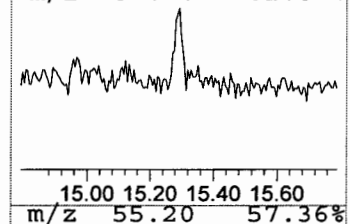
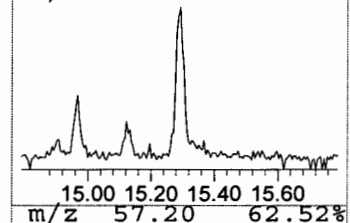
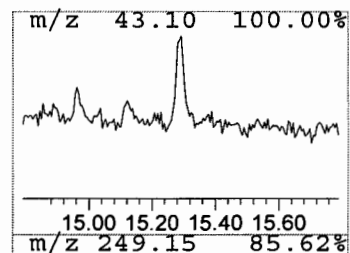
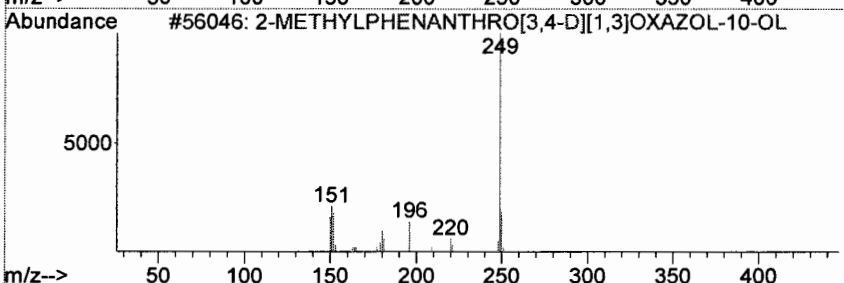
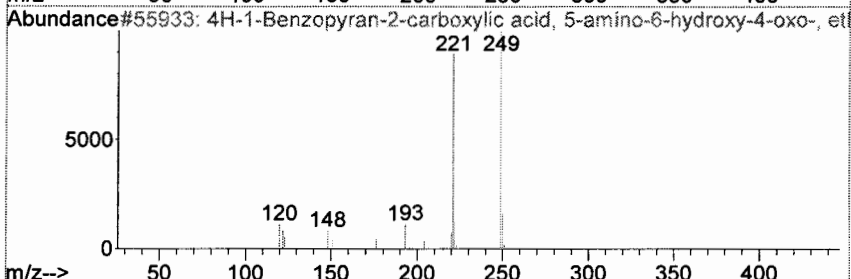
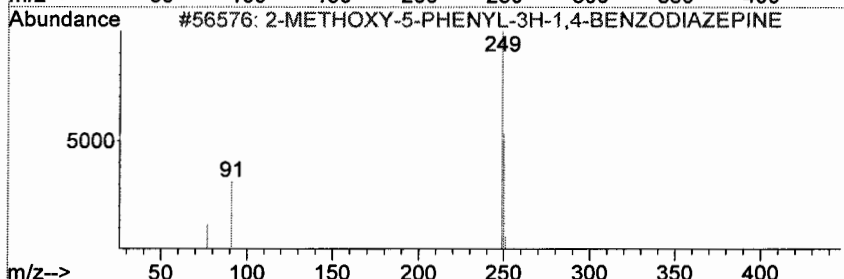
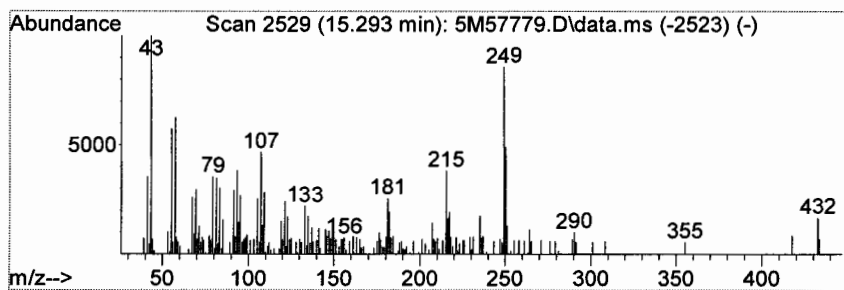
Quant Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0430.M
Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

Peak Number 19 unknown Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.29	15.72 ng	89567	LibIS-Perylene-d12	13.40

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-METHOXY-5-PHENYL-3H-1,4-BENZOD...	250	C16H14N2O	000000-00-0	35
2			4H-1-Benzopyran-2-carboxylic aci...	249	C12H11NO5	032142-43-1	25
3			2-METHYLPHENANTHRO[3,4-D][1,3]OX...	249	C16H11NO2	098033-24-0	25
4			4H-1-Benzopyran-2-carboxylic aci...	249	C12H11NO5	032142-43-1	25
5			Phenanthro[9,10-d]thiazole, 2-me...	249	C16H11NS	021639-90-7	22



Data Path : G:\GcMsData\2010\GCMS_5\Data\05-12-10\
 Data File : 5M57779.D
 Acq On : 12 May 2010 14:33
 Operator : AHD
 Sample : AC51387-003
 Misc : S,BNA
 ALS Vial : 15 Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0430.M
 Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	-----Internal Standard-----				
					#	ExpRT	ActRt	Resp	Conc
3-Penten-2-one, 4...	2.55	4.7	ng	36645	1	5.06	5.06	312729	40.0
unknown	3.19	16.8	ng	131316	1	5.06	5.06	312729	40.0
2-Pentanone, 4-hy...	3.59	5781.2	ng	45198839	1	5.06	5.06	312729	40.0
Ethanol, 2-butoxy-	4.12	4.6	ng	35943	1	5.06	5.06	312729	40.0
unknown	4.24	27.3	ng	213804	1	5.06	5.06	312729	40.0
unknown	7.78	5.9	ng	59654	2	7.43	7.43	407305	40.0
1,2-Benzenedicarb...	9.01	5.0	ng	46773	3	8.80	8.80	372540	40.0
8-Methylnaphtho[2...	9.14	4.7	ng	43451	3	8.80	8.80	372540	40.0
Sulfur, mol. (S8)	9.34	5.7	ng	52623	3	8.80	8.80	372540	40.0
Phenanthrene, 2,7...	9.95	4.3	ng	40102	3	8.80	8.80	372540	40.0
Phenanthrene, 2,3...	10.47	5.0	ng	26611	4	11.80	11.80	212215	40.0
Pyrene, 1-methyl-	10.89	4.1	ng	21889	4	11.80	11.80	212215	40.0
unknown	11.73	4.7	ng	25130	4	11.80	11.80	212215	40.0
unknown	14.20	5.0	ng	28722	5	13.40	13.40	227854	40.0
unknown	14.46	5.0	ng	28722	5	13.40	13.40	227854	40.0
unknown	14.61	4.7	ng	26983	5	13.40	13.40	227854	40.0
unknown	14.97	5.1	ng	28862	5	13.40	13.40	227854	40.0
unknown	15.12	4.0	ng	22790	5	13.40	13.40	227854	40.0
unknown	15.29	15.7	ng	89567	5	13.40	13.40	227854	40.0

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AC51387-004(5X)

Client Id: PI-01-TP-RAT1043010SS0

Data File: 5M57796.D

Analysis Date: 05/12/10 23:39

Date Rec/Extracted: 05/03/10-05/11/10

Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270C

Matrix: Soil

Initial Vol: 30g

Final Vol: 1ml

Dilution: 5

Solids: 84

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
120-82-1	1,2,4-Trichlorobenzene	0.40	U	191-24-2	Benzo[g,h,i]perylene	0.40	2.7
122-66-7	1,2-Diphenylhydrazine	0.40	U	207-08-9	Benzo[k]fluoranthene	0.40	0.88
95-95-4	2,4,5-Trichlorophenol	0.40	U	65-85-0	Benzoic Acid	2.0	U
88-06-2	2,4,6-Trichlorophenol	0.40	U	111-91-1	bis(2-Chloroethoxy)methan	0.40	U
120-83-2	2,4-Dichlorophenol	0.40	U	111-44-4	bis(2-Chloroethyl)ether	0.40	U
105-67-9	2,4-Dimethylphenol	0.40	U	108-60-1	bis(2-chloroisopropyl)ether	0.40	U
51-28-5	2,4-Dinitrophenol	2.0	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.40	U
121-14-2	2,4-Dinitrotoluene	0.40	U	85-68-7	Butylbenzylphthalate	0.40	U
606-20-2	2,6-Dinitrotoluene	0.40	U	86-74-8	Carbazole	0.40	U
91-58-7	2-Chloronaphthalene	0.40	U	218-01-9	Chrysene	0.40	3.5
95-57-8	2-Chlorophenol	0.40	U	53-70-3	Dibenzo[a,h]anthracene	0.40	0.50
91-57-6	2-Methylnaphthalene	0.40	1.5	132-64-9	Dibenzofuran	0.40	U
95-48-7	2-Methylphenol	0.40	U	84-66-2	Diethylphthalate	0.40	U
88-74-4	2-Nitroaniline	0.40	U	131-11-3	Dimethylphthalate	0.40	U
88-75-5	2-Nitrophenol	0.40	U	84-74-2	Di-n-butylphthalate	0.40	U
106-44-5	3&4-Methylphenol	0.40	U	117-84-0	Di-n-octylphthalate	0.40	U
91-94-1	3,3'-Dichlorobenzidine	0.40	U	206-44-0	Fluoranthene	0.40	3.7
99-09-2	3-Nitroaniline	0.40	U	86-73-7	Fluorene	0.40	0.81
534-52-1	4,6-Dinitro-2-methylphenol	2.0	U	118-74-1	Hexachlorobenzene	0.40	U
101-55-3	4-Bromophenyl-phenylether	0.40	U	87-68-3	Hexachlorobutadiene	0.40	U
59-50-7	4-Chloro-3-methylphenol	0.40	U	77-47-4	Hexachlorocyclopentadiene	2.0	U
106-47-8	4-Chloroaniline	0.40	U	67-72-1	Hexachloroethane	0.40	U
7005-72-3	4-Chlorophenyl-phenylether	0.40	U	193-39-5	Indeno[1,2,3-cd]pyrene	0.40	1.6
100-01-6	4-Nitroaniline	0.40	U	78-59-1	Isophorone	0.40	U
100-02-7	4-Nitrophenol	0.40	U	91-20-3	Naphthalene	0.40	0.76
83-32-9	Acenaphthene	0.40	0.75	98-95-3	Nitrobenzene	0.40	U
208-96-8	Acenaphthylene	0.40	U	62-75-9	N-Nitrosodimethylamine	0.40	U
62-53-3	Aniline	0.40	U	621-64-7	N-Nitroso-di-n-propylamine	0.40	U
120-12-7	Anthracene	0.40	1.5	86-30-6	n-Nitrosodiphenylamine	0.40	U
92-87-5	Benzidine	2.0	U	87-86-5	Pentachlorophenol	2.0	U
56-55-3	Benzo[a]anthracene	0.40	3.2	85-01-8	Phenanthrene	0.40	5.2
50-32-8	Benzo[a]pyrene	0.40	2.7	108-95-2	Phenol	0.40	U
205-99-2	Benzo[b]fluoranthene	0.40	2.6	129-00-0	Pyrene	0.40	7.4

Worksheet #: 151474

Total Target Concentration 39

ColumnID: (^) Indicates results from 2nd column

*U - Indicates the compound was analyzed but not detected.**B - Indicates the analyte was found in the blank as well as in the sample.**E - Indicates the analyte concentration exceeds the calibration range of the instrument.**R - Retention Time Out**J - Indicates an estimated value when a compound is detected at less than the specified detection limit.**d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.*

Form 1eORGANICS SEMIVOLATILE REPORT
Tentatively Identified Compounds

Sample Number: AC51387-004(5X)	Matrix: Soil
Client Id: PI-01-TP-RAT1043010	Initial Vol: 30g
Data File: 5M57796.D	Final Vol: 1ml
Analysis Date: 05/12/10 23:39	Dilution: 5
Date Rec/Extracted: 05/03/10-05/11/10	Solids: 84
	Method: EPA 8270C

Units: mg/Kg

	Cas #	Compound	RT	Conc	
1	123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.33	260 JAB	16.5.13.10
2	582-16-1	Naphthalene, 2,7-dimethyl-	7.07	4.6 J	
3	571-61-9	Naphthalene, 1,5-dimethyl-	7.13	4.8 J	
4	2131-42-2	Naphthalene, 1,4,6-trimethyl-	7.49	4.5 J	
5	2131-42-2	Naphthalene, 1,4,6-trimethyl-	7.57	4.7 J	
6	2131-42-2	Naphthalene, 1,4,6-trimethyl-	7.75	3.6 J	
7	16587-52-3	Dibenzothiophene, 3-methyl-	9.11	3.6 J	
8	613-12-7	Anthracene, 2-methyl-	9.30	5.4 J	
9	613-12-7	Anthracene, 2-methyl-	9.33	4.8 J	
10	832-64-4	Phenanthrene, 4-methyl-	9.41	6.3 J	
11	3674-65-5	Phenanthrene, 2,3-dimethyl-	9.79	7.3 J	
12	1576-69-8	Phenanthrene, 2,7-dimethyl-	9.84	5.1 J	
13	3674-66-6	Phenanthrene, 2,5-dimethyl-	9.92	10 J	
14	781-43-1	Anthracene, 9,10-dimethyl-	9.95	4.6 J	
15	15096-10-3	Benzene, 1,1'-[(methylthio)ethenylidene]	10.15	4.6 J	
16	68289-71-4	7-Nitro-6-methoxy-2,3-dimethylindole	10.39	3.7 J	
17	3674-73-5	Phenanthrene, 2,3,5-trimethyl-	10.43	6.3 J	
18	2381-21-7	Pyrene, 1-methyl-	10.86	4.7 J	
19	3442-78-2	Pyrene, 2-methyl-	10.96	3.5 J	
20	84-15-1	1,1':2',1''-Terphenyl	11.45	3.9 J	

Worksheet #: 151474

Total Tentatively Identified Concentration 360**A - Indicates an aldol condensate.****J - Indicates an estimated value.****B - Indicates the analyte was found in the blank as well as in the sample.****Y - Indicates the analyte was found in the blank at <10% of the concentration of the sample.****<10% - Indicates the analyte was found in the blank at < 10% of nearest Internal Standard**

Quantitation Report (QT/LSC Reviewed)

SampleID : AC51387-004(5X)
 Data File: 5M57796.D
 Acq On : 05/12/10 23:39

Operator : AHD
 Sam Mult : 1 Vial# : 28
 Misc : S,BNA:5

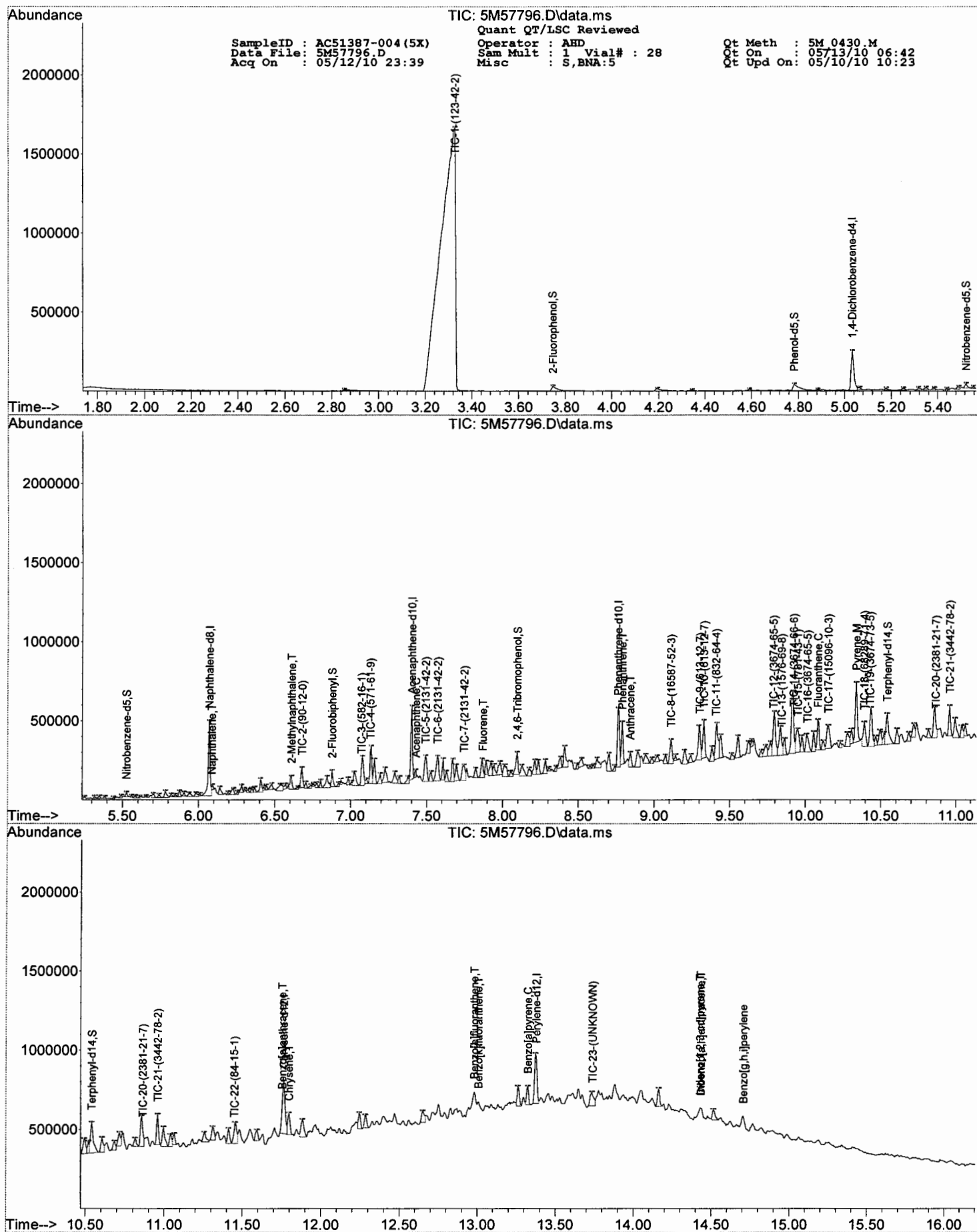
Qt Meth : 5M_0430.M
 Qt On : 05/13/10 06:42
 Qt Upd On: 05/10/10 10:23

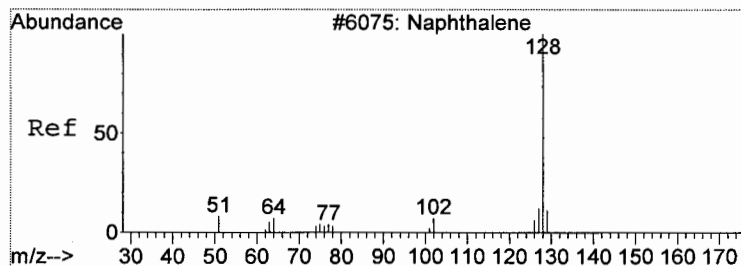
Data Path : G:\GCMSData\2010\GCMS_5\Data\05-1210\
 Qt Path : G:\GCMSDATA\2010\GCMS_5\METHODQT\
 Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.034	152	30125	40.00	ng	-0.22
29) Naphthalene-d8	6.070	136	115706	40.00	ng	-0.22
47) Acenaphthene-d10	7.400	164	67276	40.00	ng	-0.24
73) Phenanthrene-d10	8.762	188	116710	40.00	ng	-0.28
87) Chrysene-d12	11.765	240	90793	40.00	ng	-0.30
102) Perylene-d12	13.378	264	100222	40.00	ng	-0.29
System Monitoring Compounds						
10) 2-Fluorophenol	3.746	112	12619	15.57	ng	-0.25
Spiked Amount 100.000			Recovery	=	15.57%	
15) Phenol-d5	4.782	99	18567	13.78	ng	-0.19
Spiked Amount 100.000			Recovery	=	13.78%	
30) Nitrobenzene-d5	5.525	128	3735	8.07	ng	-0.21
Spiked Amount 50.000			Recovery	=	16.14%	
52) 2-Fluorobiphenyl	6.877	172	19796	8.61	ng	-0.22
Spiked Amount 50.000			Recovery	=	17.22%	
76) 2,4,6-Tribromophenol	8.095	330	5151	19.70	ng	-0.26
Spiked Amount 100.000			Recovery	=	19.70%	
90) Terphenyl-d14	10.541	244	26479	10.66	ng	-0.29
Spiked Amount 50.000			Recovery	=	21.32%	
Target Compounds					Qvalue	
39) Naphthalene	6.086	128	11936	3.81	ng	79
44) 2-Methylnaphthalene	6.610	142	16738	7.44	ng	98
61) Acenaphthene	7.427	153	7660	3.76	ng	89
68) Fluorene	7.870	166	10647	4.10	ng	88
82) Phenanthrene	8.789	178	90354	26.32	ng	98
83) Anthracene	8.843	178	25320	7.35	ng	91
86) Fluoranthene	10.082	202	77525	18.81	ng	79
88) Pyrene	10.338	202	137031	37.45	ng	76
99) Benzo[a]anthracene	11.754	228	55551	16.15	ng	92
100) Chrysene	11.797	228	54037	17.80	ng	92
104) Benzo[b]fluoranthene	12.983	252	48359m	13.33	ng	
105) Benzo[k]fluoranthene	13.010	252	15209m	4.42	ng	
106) Benzo[a]pyrene	13.325	252	44687	13.46	ng	87
107) Indeno[1,2,3-cd]pyrene	14.431	276	21885	8.12	ng	71
108) Dibenzo[a,h]anthracene	14.436	278	5402m	2.54	ng	
109) Benzo[g,h,i]perylene	14.708	276	35210	13.51	ng	76
Library Search Internal Standards TIC Results						
1) 1,4-Dichlorobenzene-d4	5.034		219745m	40.00	ng	--
2) Naphthalene-d8	6.070		259605m	40.00	ng	--
3) Acenaphthene-d10	7.400		327781m	40.00	ng	--
4) Phenanthrene-d10	8.762		355582m	40.00	ng	--
Library Search Compounds						
1) 123-42-2	3.330		7244398	1318.69	ng	72
2) 90-12-0	6.680		113008	17.41	ng	95
3) 582-16-1	7.070		190459	23.24	ng	96
4) 571-61-9	7.130		199025	24.29	ng	97
5) 2131-42-2	7.490		184384	22.50	ng	92
6) 2131-42-2	7.570		193734	23.64	ng	98
7) 2131-42-2	7.750		149152	18.20	ng	81
8) 16587-52-3	9.110		160020	18.00	ng	94
9) 613-12-7	9.300		239772	26.97	ng	94
10) 613-12-7	9.330		214607	24.14	ng	96
11) 832-64-4	9.410		281184	31.63	ng	91
12) 3674-65-5	9.790		325377	36.60	ng	70
13) 1576-69-8	9.840		228278	25.68	ng	91
14) 3674-66-6	9.920		450833	50.71	ng	93
15) 781-43-1	9.950		205508	23.12	ng	52
16) 3674-65-5	10.010		147626	16.61	ng	90
17) 15096-10-3	10.150		206114	23.19	ng	78
18) 68289-71-4	10.390		164542	18.51	ng	64
19) 3674-73-5	10.430		282247	31.75	ng	81
20) 2381-21-7	10.860		211375	23.78	ng	93
21) 3442-78-2	10.960		155304	17.47	ng	91
22) 84-15-1	11.450		172661	19.42	ng	89
23) UNKNOWN	13.740		144258	16.23	ng	--

(#) = qualifier out of range (m) = manual integration (+) = signals summed





#39

Naphthalene

Concen: 3.81 ng

RT: 6.086 min Scan# 815

Delta R.T. -0.216 min

Lab File: 5M57796.D

Acq: 12 May 2010 23:39

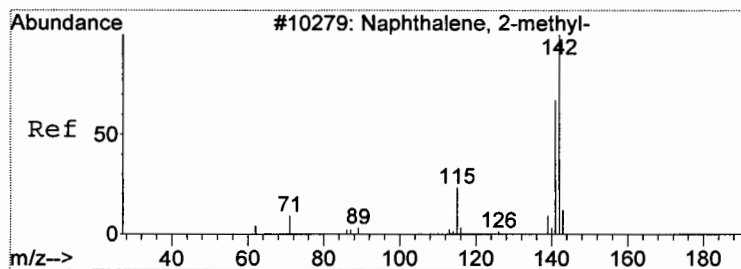
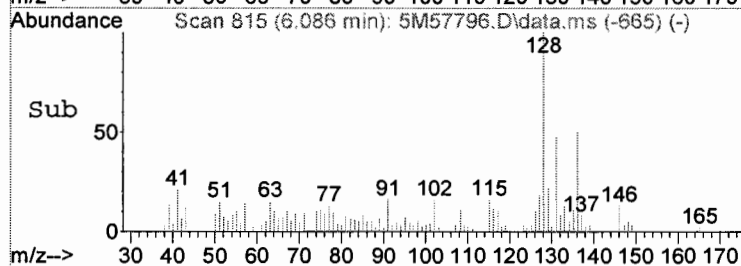
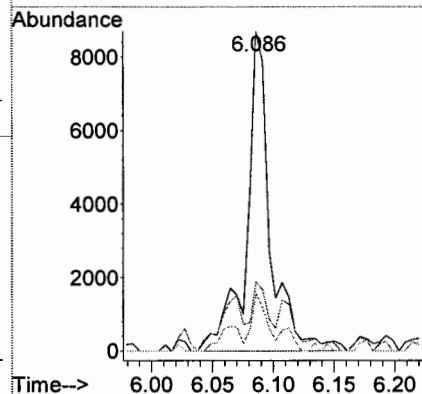
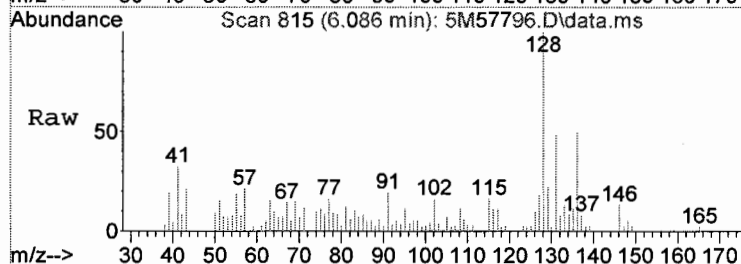
Tgt Ion:128 Resp: 11936

Ion Ratio Lower Upper

128 100

129 21.7 0.0 50.9

127 18.0 0.0 52.4



#44

2-Methylnaphthalene

Concen: 7.44 ng

RT: 6.610 min Scan# 913

Delta R.T. -0.211 min

Lab File: 5M57796.D

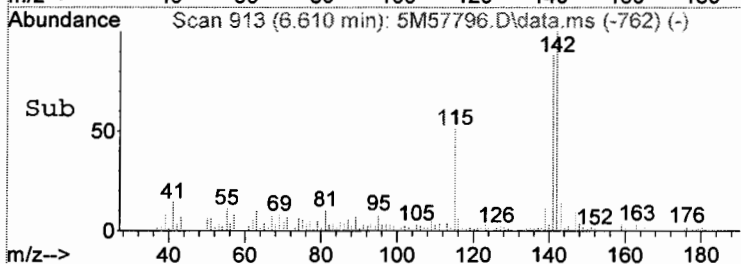
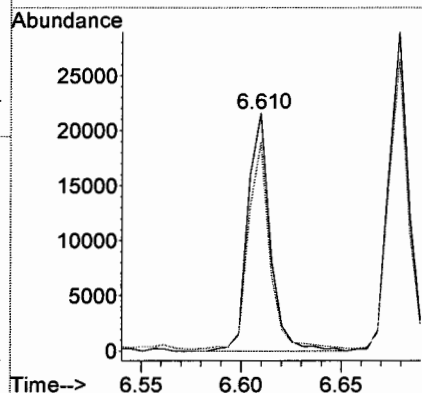
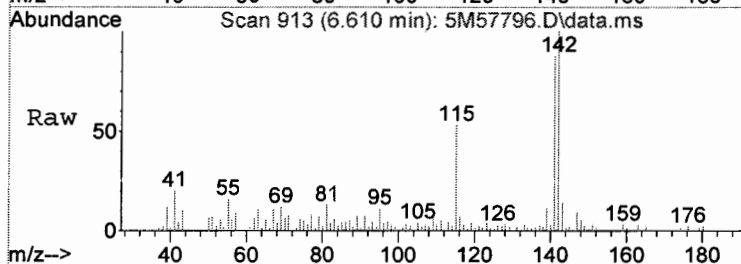
Acq: 12 May 2010 23:39

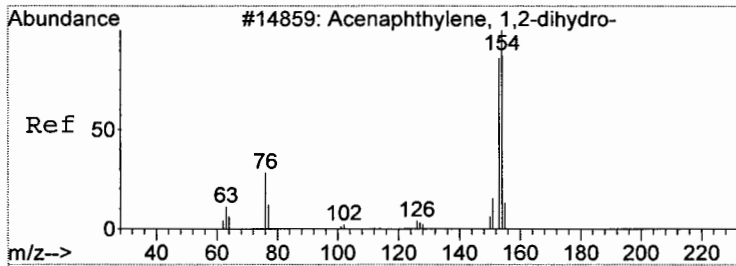
Tgt Ion:142 Resp: 16738

Ion Ratio Lower Upper

142 100

141 86.8 44.6 124.6





#61

Acenaphthene

Concen: 3.76 ng

RT: 7.427 min Scan# 1066

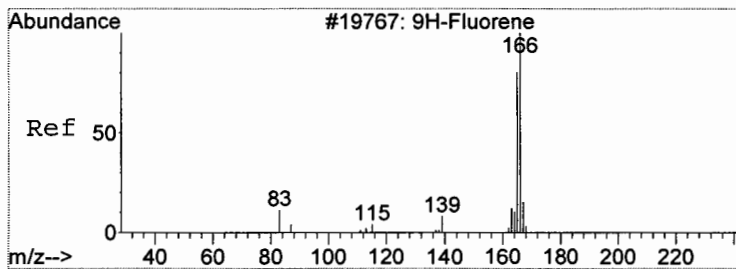
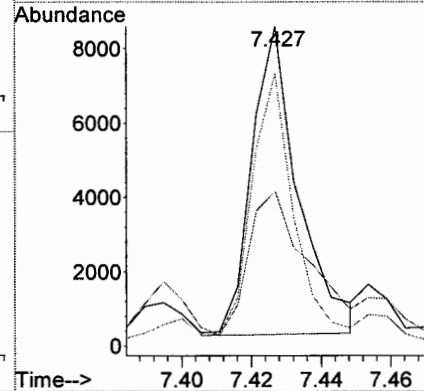
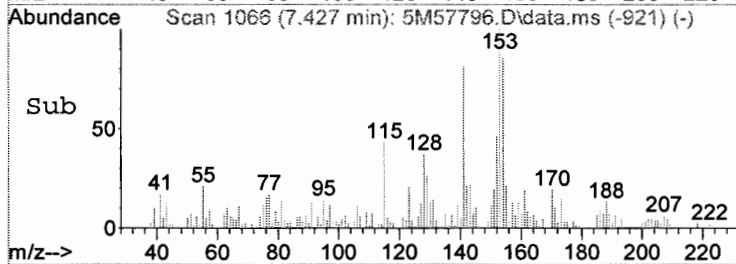
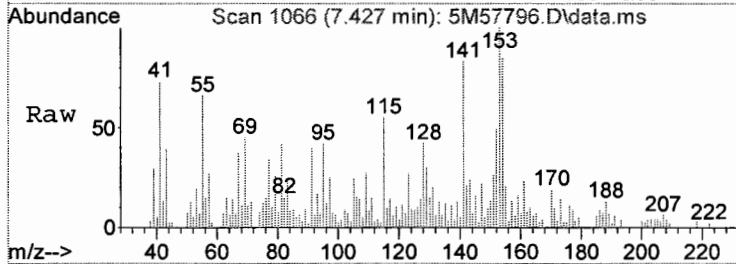
Delta R.T. -0.243 min

Lab File: 5M57796.D

Acq: 12 May 2010 23:39

Tgt Ion:153 Resp: 7660

Ion	Ratio	Lower	Upper
153	100		
152	44.5	10.0	90.0
154	85.5	57.5	137.5



#68

Fluorene

Concen: 4.10 ng

RT: 7.870 min Scan# 1149

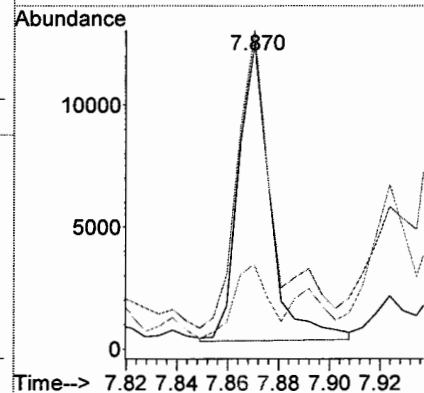
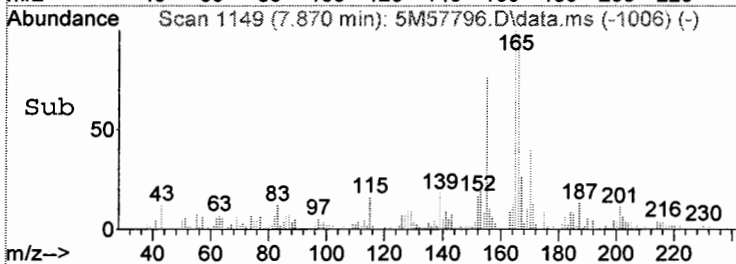
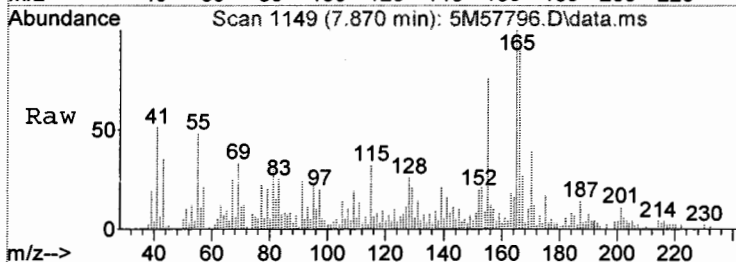
Delta R.T. -0.254 min

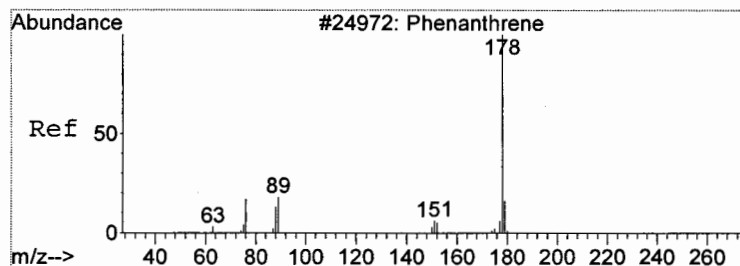
Lab File: 5M57796.D

Acq: 12 May 2010 23:39

Tgt Ion:166 Resp: 10647

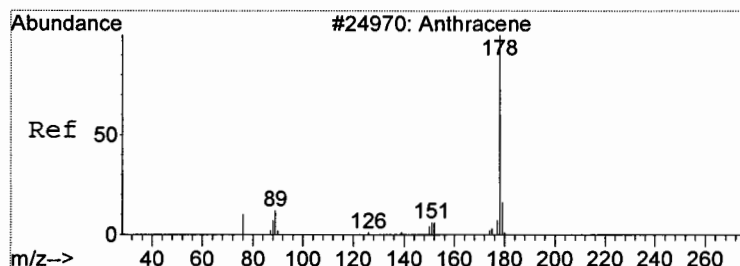
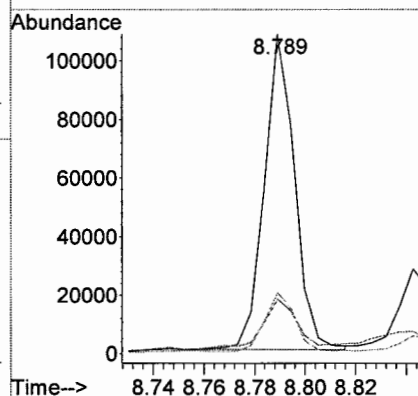
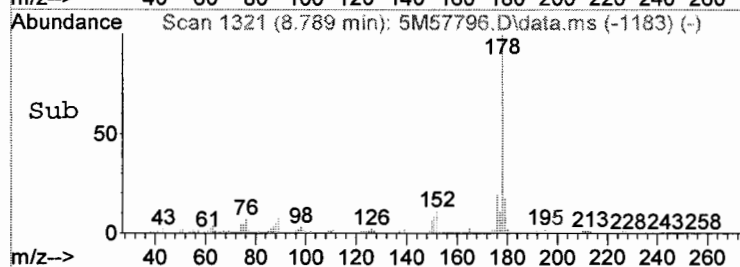
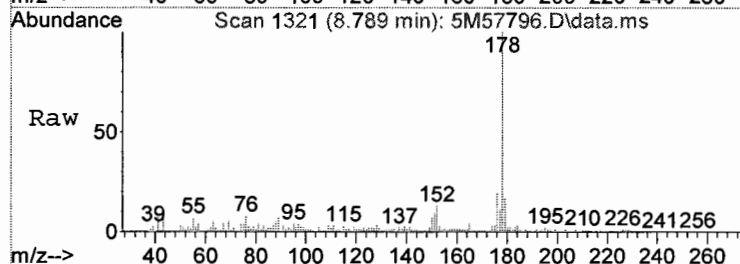
Ion	Ratio	Lower	Upper
166	100		
165	101.2	0.0	292.6
167	25.0	0.0	213.2





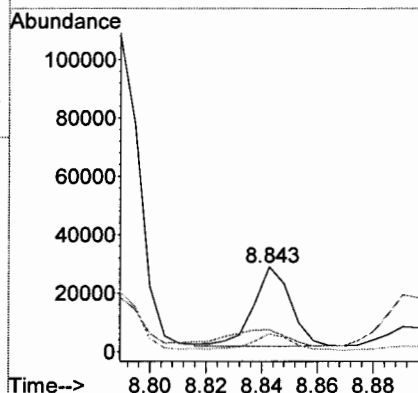
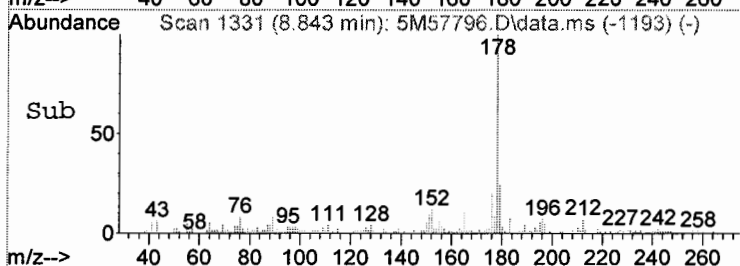
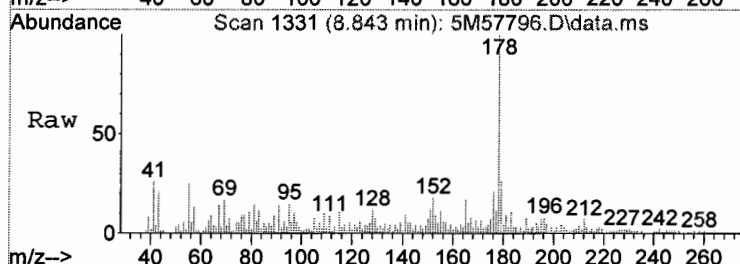
#82
Phenanthrene
Concen: 26.32 ng
RT: 8.789 min Scan# 1321
Delta R.T. -0.280 min
Lab File: 5M57796.D
Acq: 12 May 2010 23:39

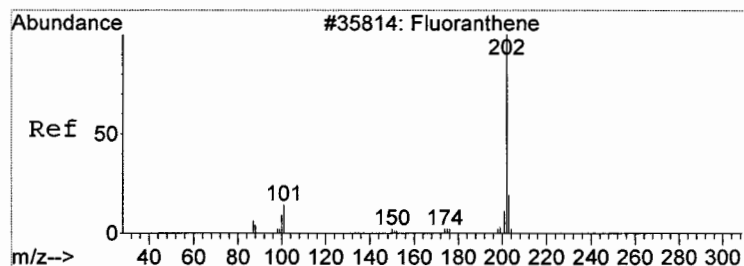
Tgt Ion:178 Resp: 90354
Ion Ratio Lower Upper
178 100
179 15.8 0.0 55.5
176 18.3 0.0 59.3



#83
Anthracene
Concen: 7.35 ng
RT: 8.843 min Scan# 1331
Delta R.T. -0.280 min
Lab File: 5M57796.D
Acq: 12 May 2010 23:39

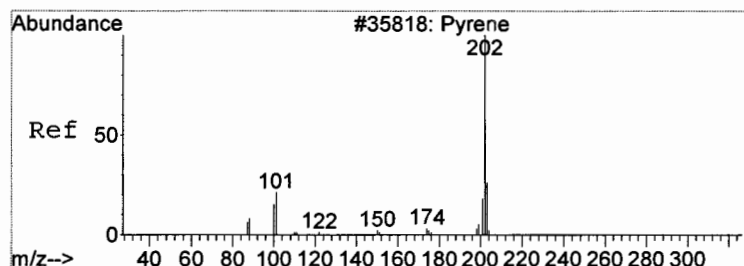
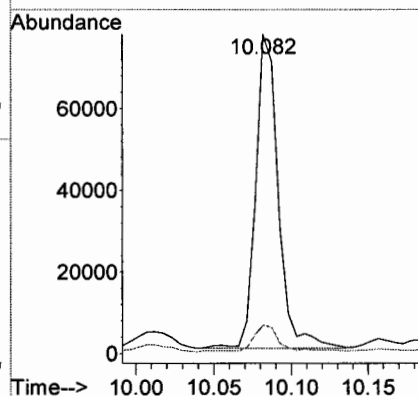
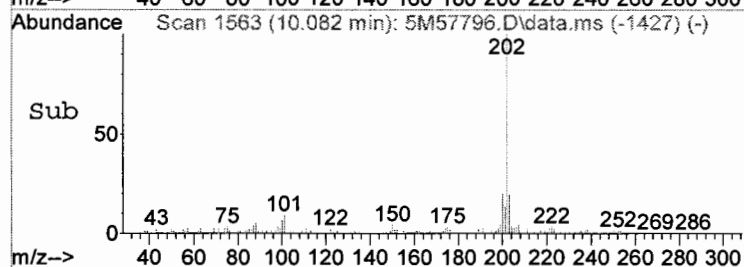
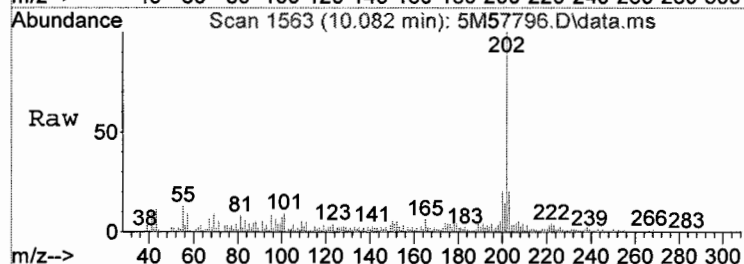
Tgt Ion:178 Resp: 25320
Ion Ratio Lower Upper
178 100
179 20.4 0.0 55.2
176 21.0 0.0 58.1





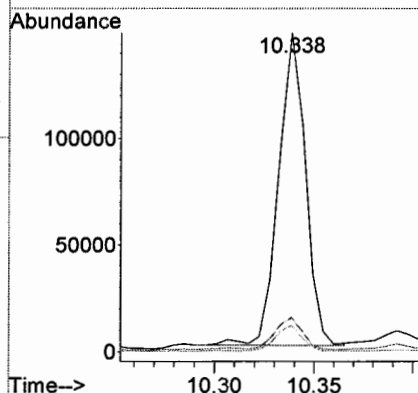
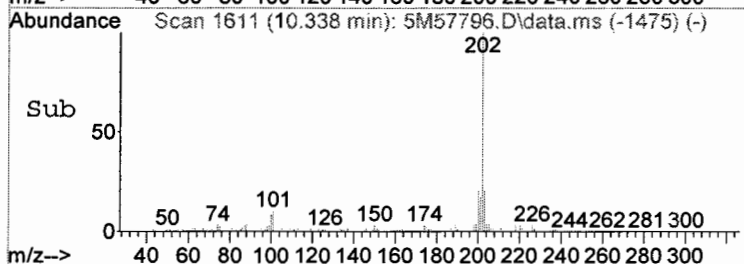
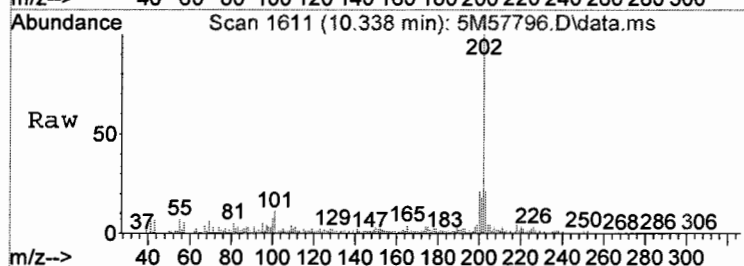
#86
Fluoranthene
Concen: 18.81 ng
RT: 10.082 min Scan# 1563
Delta R.T. -0.291 min
Lab File: 5M57796.D
Acq: 12 May 2010 23:39

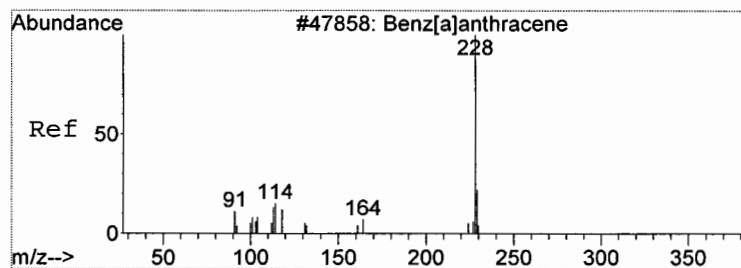
Tgt Ion: 202 Resp: 77525
Ion Ratio Lower Upper
202 100
101 8.5 0.0 57.6



#88
Pyrene
Concen: 37.45 ng
RT: 10.338 min Scan# 1611
Delta R.T. -0.291 min
Lab File: 5M57796.D
Acq: 12 May 2010 23:39

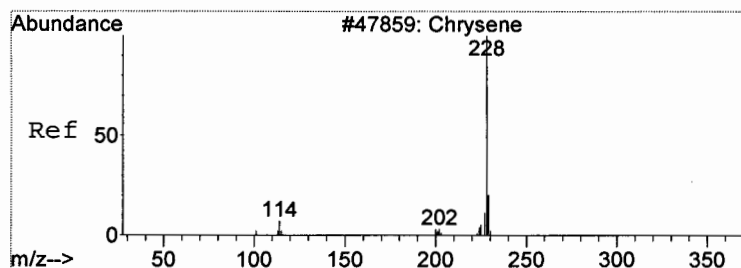
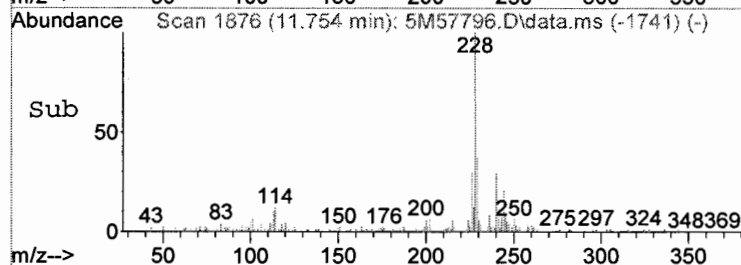
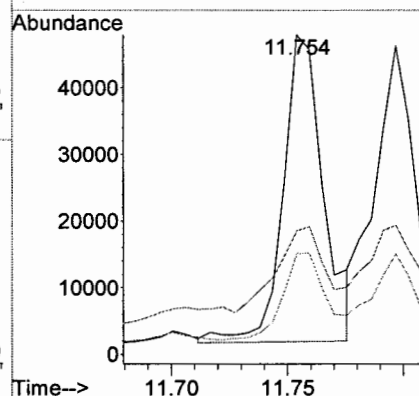
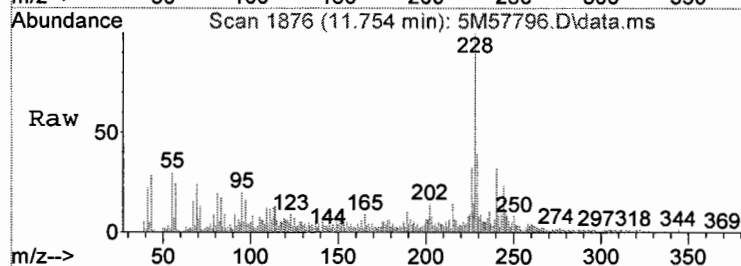
Tgt Ion: 202 Resp: 137031
Ion Ratio Lower Upper
202 100
101 10.2 0.0 62.2
100 8.2 0.0 57.8





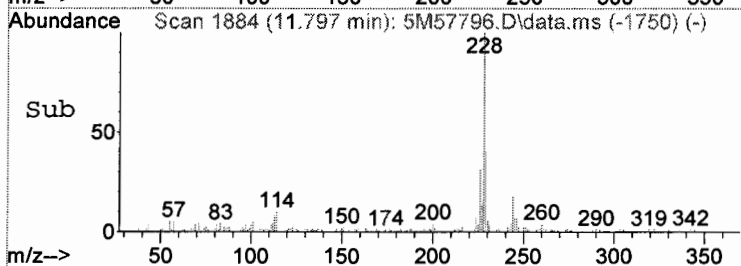
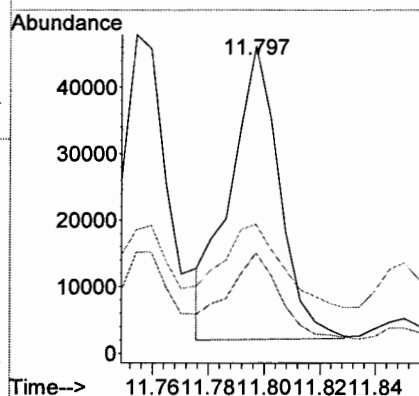
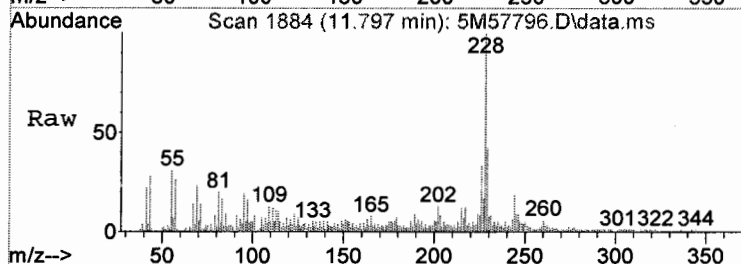
#99
Benzo[a]anthracene
Concen: 16.15 ng
RT: 11.754 min Scan# 1876
Delta R.T. -0.296 min
Lab File: 5M57796.D
Acq: 12 May 2010 23:39

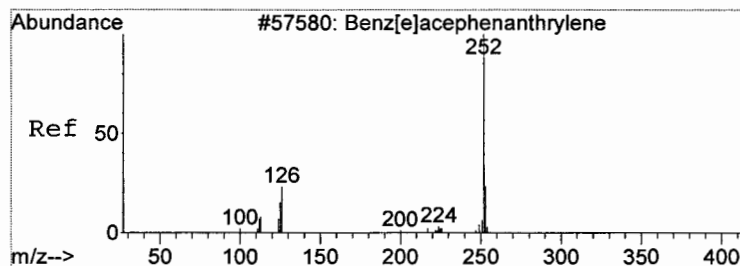
Tgt Ion	Ratio	Lower	Upper
228	100		
229	26.0	0.0	59.5
226	27.7	0.0	66.0



#100
Chrysene
Concen: 17.80 ng
RT: 11.797 min Scan# 1884
Delta R.T. -0.302 min
Lab File: 5M57796.D
Acq: 12 May 2010 23:39

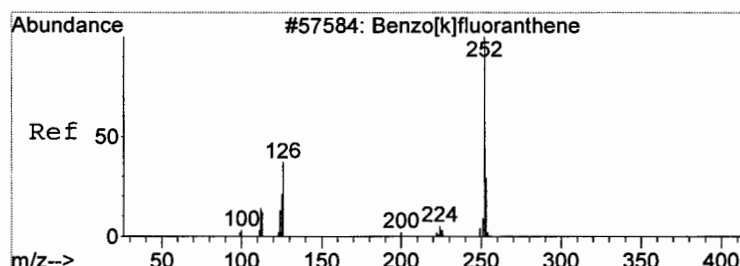
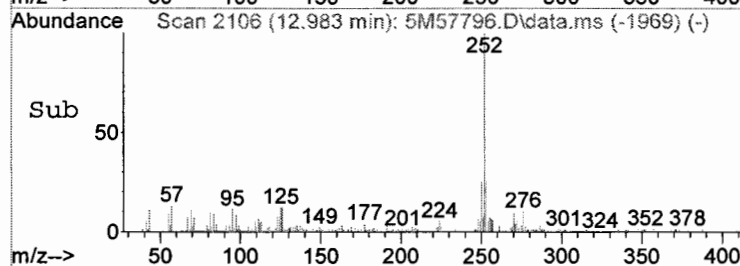
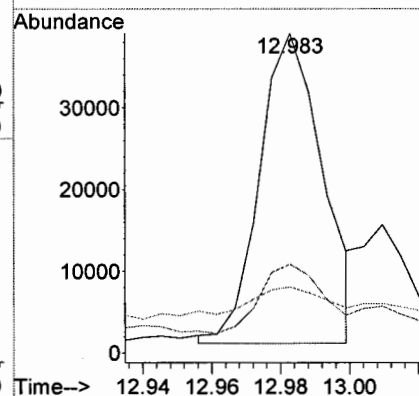
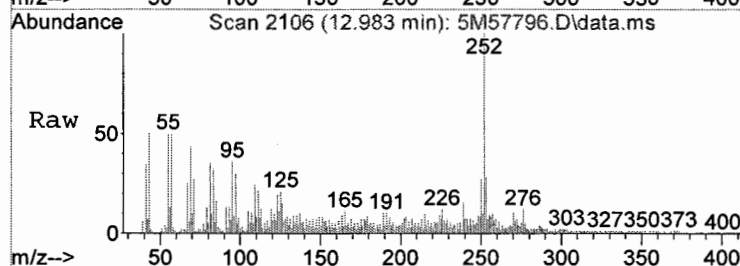
Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.0	9.5	49.5
229	28.8	0.0	60.2





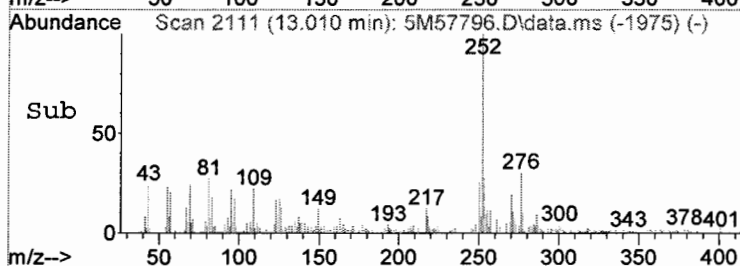
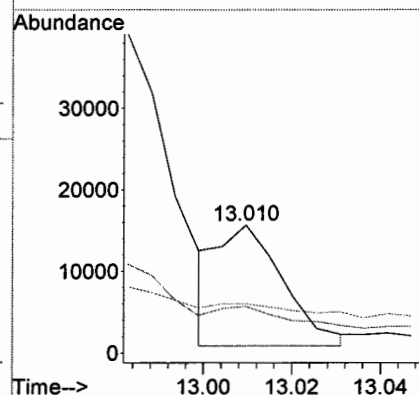
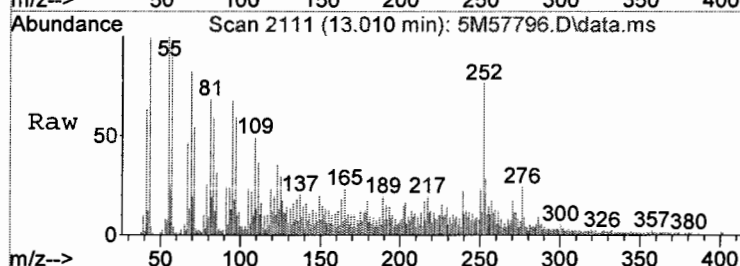
#104
Benzo[b]fluoranthene
Concen: 13.33 ng m
RT: 12.983 min Scan# 2106
Delta R.T. -0.286 min
Lab File: 5M57796.D
Acq: 12 May 2010 23:39

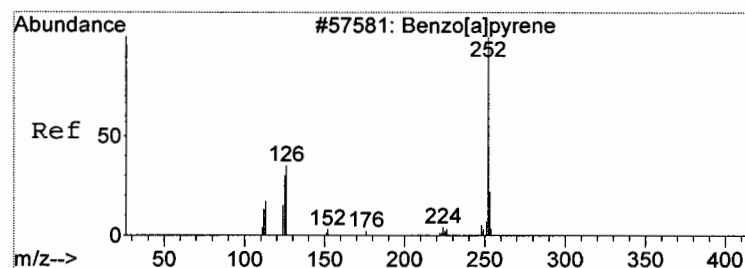
Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.8	0.0	62.3
125	20.7	0.0	58.4



#105
Benzo[k]fluoranthene
Concen: 4.42 ng m
RT: 13.010 min Scan# 2111
Delta R.T. -0.291 min
Lab File: 5M57796.D
Acq: 12 May 2010 23:39

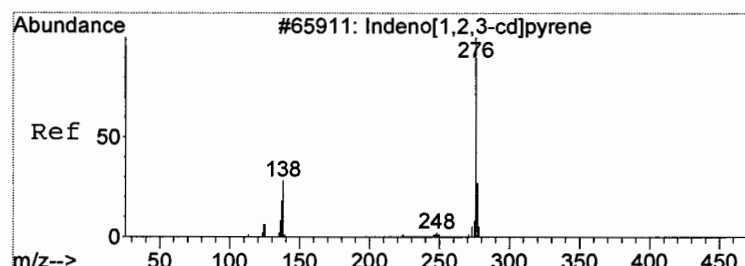
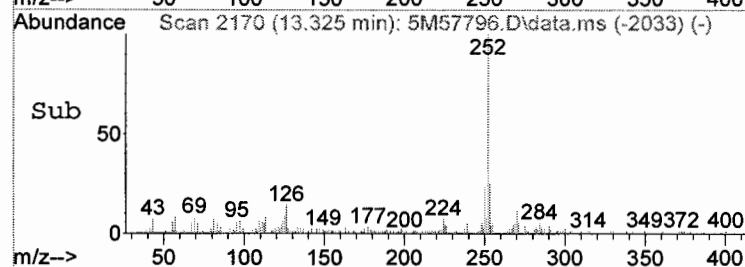
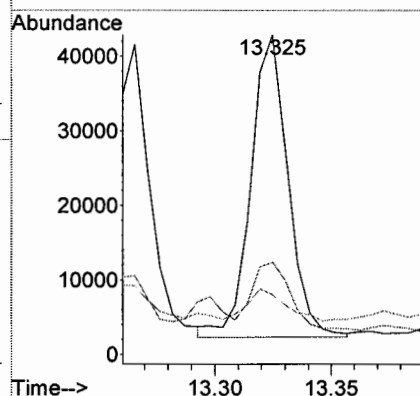
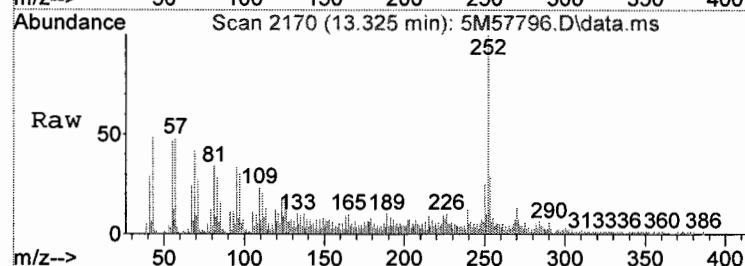
Tgt Ion	Ratio	Lower	Upper
252	100		
253	36.5	0.0	62.2
125	38.5	0.0	58.9





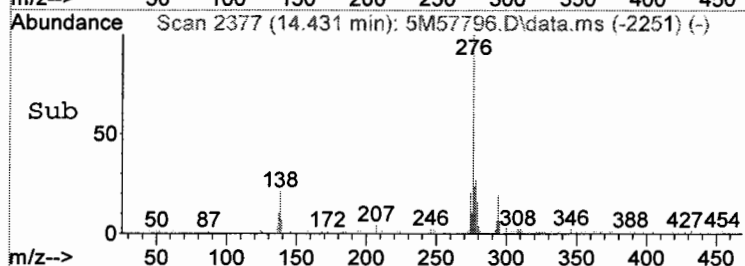
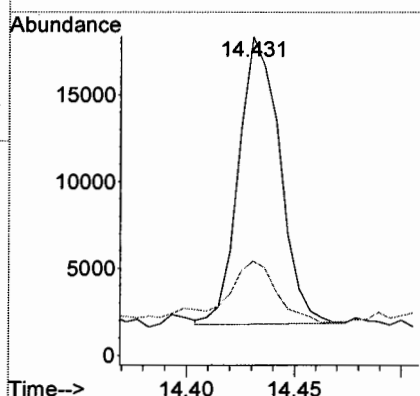
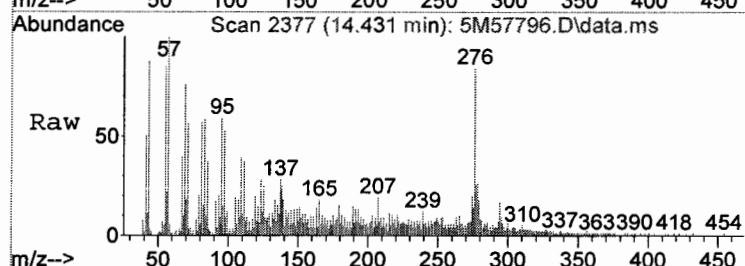
#106
Benzo[a]pyrene
Concen: 13.46 ng
RT: 13.325 min Scan# 2170
Delta R.T. -0.286 min
Lab File: 5M57796.D
Acq: 12 May 2010 23:39

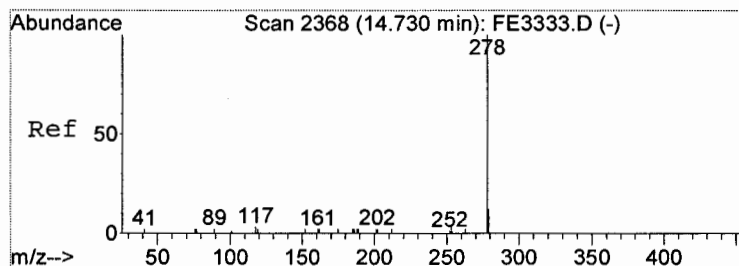
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	0.0	62.4
125	8.3	0.0	60.9



#107
Indeno[1,2,3-cd]pyrene
Concen: 8.12 ng
RT: 14.431 min Scan# 2377
Delta R.T. -0.343 min
Lab File: 5M57796.D
Acq: 12 May 2010 23:39

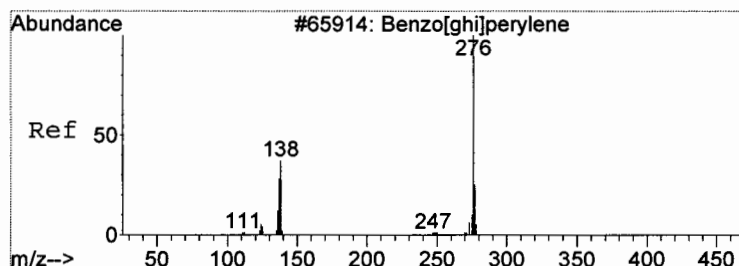
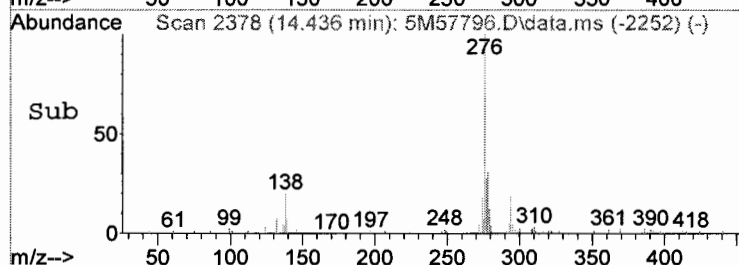
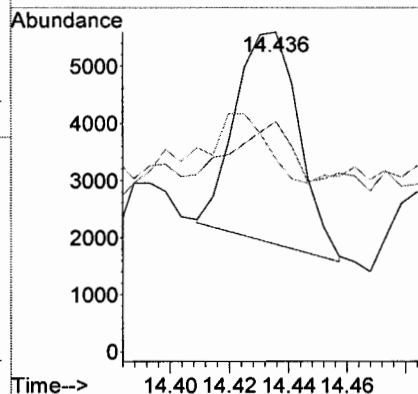
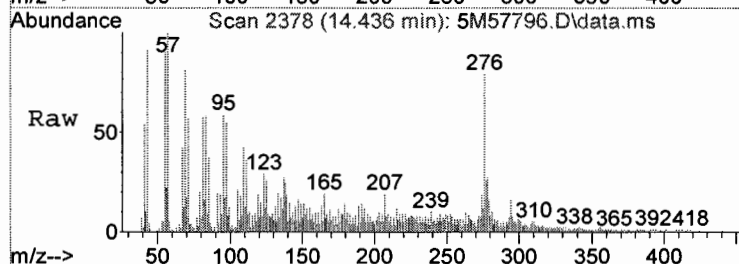
Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.0	0.0	78.9





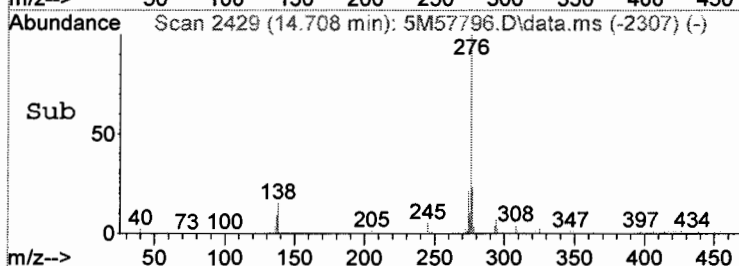
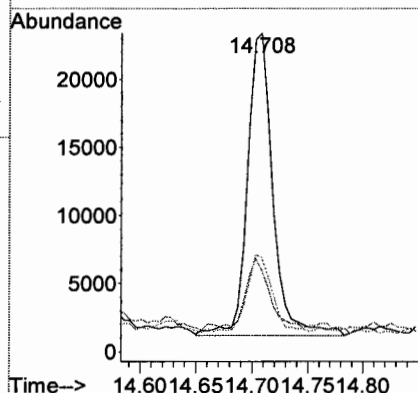
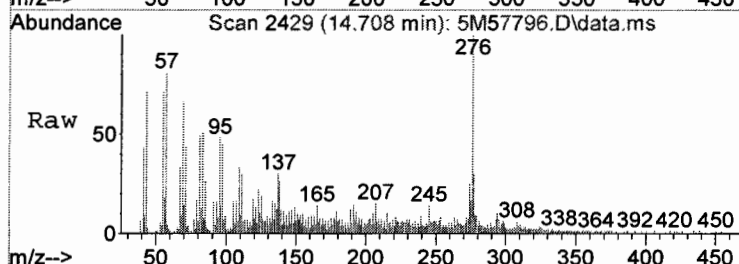
#108
 Dibenzo[a,h]anthracene
 Concen: 2.54 ng m
 RT: 14.436 min Scan# 2378
 Delta R.T. -0.344 min
 Lab File: 5M57796.D
 Acq: 12 May 2010 23:39

Tgt Ion	Ratio	Lower	Upper
278	100		
139	72.1	0.0	72.0#
279	60.2	0.0	63.9



#109
 Benzo[g,h,i]perylene
 Concen: 13.51 ng
 RT: 14.708 min Scan# 2429
 Delta R.T. -0.360 min
 Lab File: 5M57796.D
 Acq: 12 May 2010 23:39

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.2	0.0	140.0
277	24.0	0.0	120.0



Data Path : G:\GcMsData\2010\GCMS_5\Data\05-1210\
 Data File : 5M57796.D
 Acq On : 12 May 2010 23:39
 Operator : AHD
 Sample : AC51387-004(5X)
 Misc : S,BNA:5
 ALS Vial : 28 Sample Multiplier: 1

Integration Parameters: LSCINT.P

Integrator: RTE
 Smoothing : OFF
 Sampling : 1
 Start Thrs: 0.05
 Stop Thrs : 0

Filtering: 5
 Min Area: 500 Area counts
 Max Peaks: 250
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 1

Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0430.M
 Title : @GCMS_5,mg,625,8270

Signal : TIC: 5M57796.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.854	208	210	212	rBV2	6534	7102	0.10%	0.031%
2	3.329	272	299	301	rBV	1663502	7244398	100.00%	31.238%
3	3.746	375	377	389	rBV	29156	50658	0.70%	0.218%
4	4.195	458	461	473	rBV	15336	30338	0.42%	0.131%
5	4.344	483	489	494	rVB3	5157	7859	0.11%	0.034%
6	4.590	530	535	538	rBV2	9360	11159	0.15%	0.048%
7	4.782	569	571	583	rBV	39398	75926	1.05%	0.327%
8	4.884	587	590	592	rBV2	6736	5785	0.08%	0.025%
9	5.034	615	618	622	rBV	246614	208943	2.88%	0.901%
10	5.066	622	624	626	rVB2	12699	10278	0.14%	0.044%
11	5.178	643	645	653	rVB4	10669	10875	0.15%	0.047%
12	5.253	653	659	661	rBV5	12342	12820	0.18%	0.055%
13	5.317	669	671	674	rBV3	12933	12419	0.17%	0.054%
14	5.349	674	677	681	rVV4	14114	13807	0.19%	0.060%
15	5.386	681	684	687	rVV2	10935	10682	0.15%	0.046%
16	5.440	692	694	696	rBV2	7778	7281	0.10%	0.031%
17	5.493	701	704	705	rBV2	15173	13541	0.19%	0.058%
18	5.525	708	710	714	rBV	27296	20466	0.28%	0.088%
19	5.557	714	716	718	rVB2	11066	7778	0.11%	0.034%
20	5.584	718	721	724	rVB3	12070	11354	0.16%	0.049%
21	5.611	724	726	727	rBV2	8657	7050	0.10%	0.030%
22	5.653	730	734	737	rBV3	8750	10830	0.15%	0.047%
23	5.701	741	743	746	rVB2	23546	21096	0.29%	0.091%
24	5.739	746	750	753	rBV3	18403	16074	0.22%	0.069%
25	5.781	753	758	763	rBV4	40051	45787	0.63%	0.197%
26	5.819	763	765	768	rBV4	14399	12236	0.17%	0.053%
27	5.846	768	770	773	rVB3	13270	10924	0.15%	0.047%
28	5.872	773	775	778	rBV2	34311	32089	0.44%	0.138%
29	5.904	778	781	784	rVB3	22615	15827	0.22%	0.068%
30	5.936	784	787	793	rVB4	19101	25987	0.36%	0.112%
31	5.984	793	796	799	rBV3	20242	25615	0.35%	0.110%
32	6.011	799	801	803	rVB2	12001	7563	0.10%	0.033%
33	6.070	803	812	815	rBV	472816	412126	5.69%	1.777%
34	6.091	815	816	818	rVB2	25368	14019	0.19%	0.060%
35	6.139	823	825	830	rVB2	44317	43072	0.59%	0.186%

Data Path : G:\GcMsData\2010\GCMS_5\Data\05-1210\
 Data File : 5M57796.D
 Acq On : 12 May 2010 23:39
 Operator : AHD
 Sample : AC51387-004 (5X)
 Misc : S,BNA:5
 ALS Vial : 28 Sample Multiplier: 1

Integration Parameters: LSCINT.P

Integrator: RTE
 Smoothing : OFF
 Sampling : 1
 Start Thrs: 0.05
 Stop Thrs : 0

Filtering: 5
 Min Area: 500 Area counts
 Max Peaks: 250
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 1

Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0430.M
 Title : @GCMS_5,mg,625,8270

36	6.193	833	835	837	rBV2	16195	10821	0.15%	0.047%
37	6.230	837	842	845	rVB6	34626	46331	0.64%	0.200%
38	6.257	845	847	848	rBV	17664	11667	0.16%	0.050%
39	6.284	848	852	854	rBV3	42702	34480	0.48%	0.149%
40	6.300	854	855	857	rBV2	14310	9271	0.13%	0.040%
41	6.326	858	860	862	rVB2	19466	13712	0.19%	0.059%
42	6.348	862	864	866	rBV2	25761	22278	0.31%	0.096%
43	6.369	866	868	871	rVB3	30547	21239	0.29%	0.092%
44	6.407	871	875	878	rBV4	82022	78665	1.09%	0.339%
45	6.428	878	879	881	rVV	21421	10915	0.15%	0.047%
46	6.444	881	882	885	rVV3	26576	18452	0.25%	0.080%
47	6.481	885	889	892	rVV4	33475	37995	0.52%	0.164%
48	6.535	894	899	903	rBV6	38103	78651	1.09%	0.339%
49	6.572	903	906	908	rVB3	24766	23594	0.33%	0.102%
50	6.610	910	913	917	rVB2	79481	73429	1.01%	0.317%
51	6.652	917	921	922	rBV4	12388	15097	0.21%	0.065%
52	6.679	922	926	929	rVV2	125068	113008	1.56%	0.487%
53	6.706	929	931	933	rVB2	36112	24567	0.34%	0.106%
54	6.738	933	937	938	rBV3	18018	18116	0.25%	0.078%
55	6.754	938	940	942	rVV2	18026	13818	0.19%	0.060%
56	6.775	942	944	947	rVB4	26742	22498	0.31%	0.097%
57	6.802	947	949	951	rVB3	44173	27818	0.38%	0.120%
58	6.845	951	957	961	rBV5	68793	89694	1.24%	0.387%
59	6.877	961	963	968	rVB	97791	72123	1.00%	0.311%
60	6.919	968	971	972	rBV3	21874	15681	0.22%	0.068%
61	6.935	972	974	976	rBV2	30907	20638	0.28%	0.089%
62	6.983	981	983	985	rVB	41473	26801	0.37%	0.116%
63	7.005	985	987	988	rBV2	21892	12177	0.17%	0.053%
64	7.021	988	990	997	rVB	81779	100497	1.39%	0.433%
65	7.074	997	1000	1003	rBV	179814	190459	2.63%	0.821%
66	7.101	1003	1005	1008	rVV3	26291	24317	0.34%	0.105%
67	7.133	1008	1011	1013	rVV	231780	199025	2.75%	0.858%
68	7.154	1013	1015	1018	rVB2	152436	118941	1.64%	0.513%
69	7.192	1018	1022	1024	rBV2	60158	54252	0.75%	0.234%
70	7.224	1024	1028	1032	rVB	87245	102541	1.42%	0.442%
71	7.288	1036	1040	1044	rBV3	68027	86199	1.19%	0.372%
72	7.320	1044	1046	1048	rVB	40547	28598	0.39%	0.123%
73	7.373	1052	1056	1058	rBV4	38458	45548	0.63%	0.196%
74	7.400	1058	1061	1063	rVV	460198	332479	4.59%	1.434%
75	7.427	1063	1066	1067	rVV2	39216	31854	0.44%	0.137%

Data Path : G:\GcMsData\2010\GCMS_5\Data\05-1210\
 Data File : 5M57796.D
 Acq On : 12 May 2010 23:39
 Operator : AHD
 Sample : AC51387-004(5X)
 Misc : S,BNA:5
 ALS Vial : 28 Sample Multiplier: 1

Integration Parameters: LSCINT.P

Integrator: RTE

Smoothing : OFF

Sampling : 1

Start Thrs: 0.05

Stop Thrs : 0

Filtering: 5

Min Area: 500 Area counts

Max Peaks: 250

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 1

Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0430.M
 Title : @GCMS_5,mg,625,8270

76	7.491	1074	1078	1082	rVB2	157694	184384	2.55%	0.795%
77	7.528	1082	1085	1088	rBV4	58549	56541	0.78%	0.244%
78	7.571	1088	1093	1097	rBV2	152314	193734	2.67%	0.835%
79	7.609	1097	1100	1102	rBV	131189	87084	1.20%	0.376%
80	7.630	1102	1104	1109	rVB4	62812	57147	0.79%	0.246%
81	7.673	1109	1112	1114	rBV	138496	128235	1.77%	0.553%
82	7.694	1114	1116	1121	rVB	97973	95809	1.32%	0.413%
83	7.747	1121	1126	1128	rBV3	96732	149152	2.06%	0.643%
84	7.822	1137	1140	1144	rVB3	55655	51578	0.71%	0.222%
85	7.865	1144	1148	1151	rBV3	114540	112987	1.56%	0.487%
86	7.892	1151	1153	1155	rBV2	80874	64995	0.90%	0.280%
87	7.924	1156	1159	1161	rVV	83277	90813	1.25%	0.392%
88	7.945	1161	1163	1166	rVV2	65472	60547	0.84%	0.261%
89	7.982	1166	1170	1173	rVV4	80319	103342	1.43%	0.446%
90	8.015	1173	1176	1181	rVB3	70737	107072	1.48%	0.462%
91	8.052	1181	1183	1186	rBV3	30700	33360	0.46%	0.144%
92	8.095	1186	1191	1194	rBV4	135016	132936	1.84%	0.573%
93	8.127	1194	1197	1203	rVB3	65057	93453	1.29%	0.403%
94	8.175	1203	1206	1209	rBV3	45311	63038	0.87%	0.272%
95	8.212	1210	1213	1215	rVV	87153	84488	1.17%	0.364%
96	8.234	1215	1217	1221	rVB	83060	75200	1.04%	0.324%
97	8.282	1222	1226	1228	rBV2	84801	78170	1.08%	0.337%
98	8.303	1228	1230	1233	rBV3	20078	20365	0.28%	0.088%
99	8.351	1236	1239	1240	rBV2	29369	27025	0.37%	0.117%
100	8.383	1241	1245	1247	rVB3	64990	72821	1.01%	0.314%
101	8.410	1247	1250	1254	rBV3	129944	144011	1.99%	0.621%
102	8.490	1263	1265	1267	rBV2	31628	28370	0.39%	0.122%
103	8.522	1267	1271	1274	rVV5	45452	68097	0.94%	0.294%
104	8.575	1279	1281	1283	rBV2	15698	12456	0.17%	0.054%
105	8.602	1283	1286	1287	rBV2	21731	16754	0.23%	0.072%
106	8.624	1287	1290	1295	rBV5	58899	85312	1.18%	0.368%
107	8.704	1302	1305	1309	rVB	109764	114249	1.58%	0.493%
108	8.741	1309	1312	1313	rBV2	32679	27074	0.37%	0.117%
109	8.762	1313	1316	1319	rVV	370123	349286	4.82%	1.506%
110	8.789	1319	1321	1324	rVB	258976	201323	2.78%	0.868%
111	8.843	1329	1331	1335	rVB2	91120	79966	1.10%	0.345%
112	8.891	1336	1340	1343	rBV	98055	141668	1.96%	0.611%
113	8.944	1347	1350	1355	rVB3	52436	75949	1.05%	0.327%
114	8.987	1355	1358	1360	rBV3	29563	32314	0.45%	0.139%

Data Path : G:\GcMsData\2010\GCMS_5\Data\05-1210\
 Data File : 5M57796.D
 Acq On : 12 May 2010 23:39
 Operator : AHD
 Sample : AC51387-004(5X)
 Misc : S,BNA:5
 ALS Vial : 28 Sample Multiplier: 1

Integration Parameters: LSCINT.P

Integrator: RTE

Smoothing : OFF

Sampling : 1

Start Thrs: 0.05

Stop Thrs : 0

Filtering: 5

Min Area: 500 Area counts

Max Peaks: 250

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 1

Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0430.M
 Title : @GCMS_5,mg,625,8270

115	9.019	1361	1364	1367	rVV4	31887	41382	0.57%	0.178%
116	9.072	1372	1374	1377	rVB3	50359	47984	0.66%	0.207%
117	9.110	1377	1381	1384	rBV2	148090	160020	2.21%	0.690%
118	9.142	1385	1387	1389	rVB2	31240	21928	0.30%	0.095%
119	9.201	1395	1398	1402	rBV2	84257	109421	1.51%	0.472%
120	9.243	1403	1406	1409	rVB5	44866	47177	0.65%	0.203%
121	9.297	1412	1416	1419	rBV2	212176	239772	3.31%	1.034%
122	9.329	1419	1422	1426	rVB	232528	214607	2.96%	0.925%
123	9.382	1429	1432	1435	rBV	89733	95928	1.32%	0.414%
124	9.414	1435	1438	1441	rVV	223862	281184	3.88%	1.212%
125	9.441	1441	1443	1446	rVB	138960	128969	1.78%	0.556%
126	9.510	1454	1456	1460	rBV2	33531	43845	0.61%	0.189%
127	9.553	1461	1464	1468	rVB	132590	140632	1.94%	0.606%
128	9.623	1474	1477	1479	rBV2	69671	84021	1.16%	0.362%
129	9.644	1479	1481	1483	rVV3	37615	36178	0.50%	0.156%
130	9.708	1490	1493	1495	rBV	38338	41952	0.58%	0.181%
131	9.735	1495	1498	1501	rVV2	67511	98616	1.36%	0.425%
132	9.767	1501	1504	1506	rVV2	87505	104203	1.44%	0.449%
133	9.793	1506	1509	1513	rVV	275589	325377	4.49%	1.403%
134	9.836	1513	1517	1520	rVV	176463	228278	3.15%	0.984%
135	9.863	1520	1522	1526	rVB	98396	83613	1.15%	0.361%
136	9.916	1527	1532	1535	rBV	391952	450833	6.22%	1.944%
137	9.948	1535	1538	1541	rVV2	144875	205508	2.84%	0.886%
138	9.975	1541	1543	1546	rVB2	98114	80614	1.11%	0.348%
139	10.007	1546	1549	1555	rBV3	107314	147626	2.04%	0.637%
140	10.055	1555	1558	1560	rBV	121692	109252	1.51%	0.471%
141	10.082	1560	1563	1567	rVB	187728	175161	2.42%	0.755%
142	10.119	1567	1570	1572	rBV3	53802	59866	0.83%	0.258%
143	10.151	1572	1576	1580	rVB4	140736	206114	2.85%	0.889%
144	10.232	1589	1591	1593	rBV	36468	31437	0.43%	0.136%
145	10.280	1596	1600	1603	rBV2	84904	126731	1.75%	0.546%
146	10.306	1603	1605	1607	rVV2	90064	74777	1.03%	0.322%
147	10.338	1607	1611	1616	rVV	368148	365765	5.05%	1.577%
148	10.392	1618	1621	1625	rVB	149499	164542	2.27%	0.710%
149	10.435	1625	1629	1633	rBV	243314	282247	3.90%	1.217%
150	10.467	1633	1635	1637	rVV2	54090	44389	0.61%	0.191%
151	10.493	1637	1640	1643	rVV3	89846	114859	1.59%	0.495%
152	10.520	1643	1645	1646	rVV	72253	54781	0.76%	0.236%
153	10.541	1646	1649	1657	rVB2	187247	245328	3.39%	1.058%

Data Path : G:\GcMsData\2010\GCMS_5\Data\05-1210\
 Data File : 5M57796.D
 Acq On : 12 May 2010 23:39
 Operator : AHD
 Sample : AC51387-004 (5X)
 Misc : S,BNA:5
 ALS Vial : 28 Sample Multiplier: 1

Integration Parameters: LSCINT.P

Integrator: RTE
 Smoothing : OFF
 Sampling : 1
 Start Thrs: 0.05
 Stop Thrs : 0

Filtering: 5
 Min Area: 500 Area counts
 Max Peaks: 250
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 1

Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0430.M
 Title : @GCMS_5,mg,625,8270

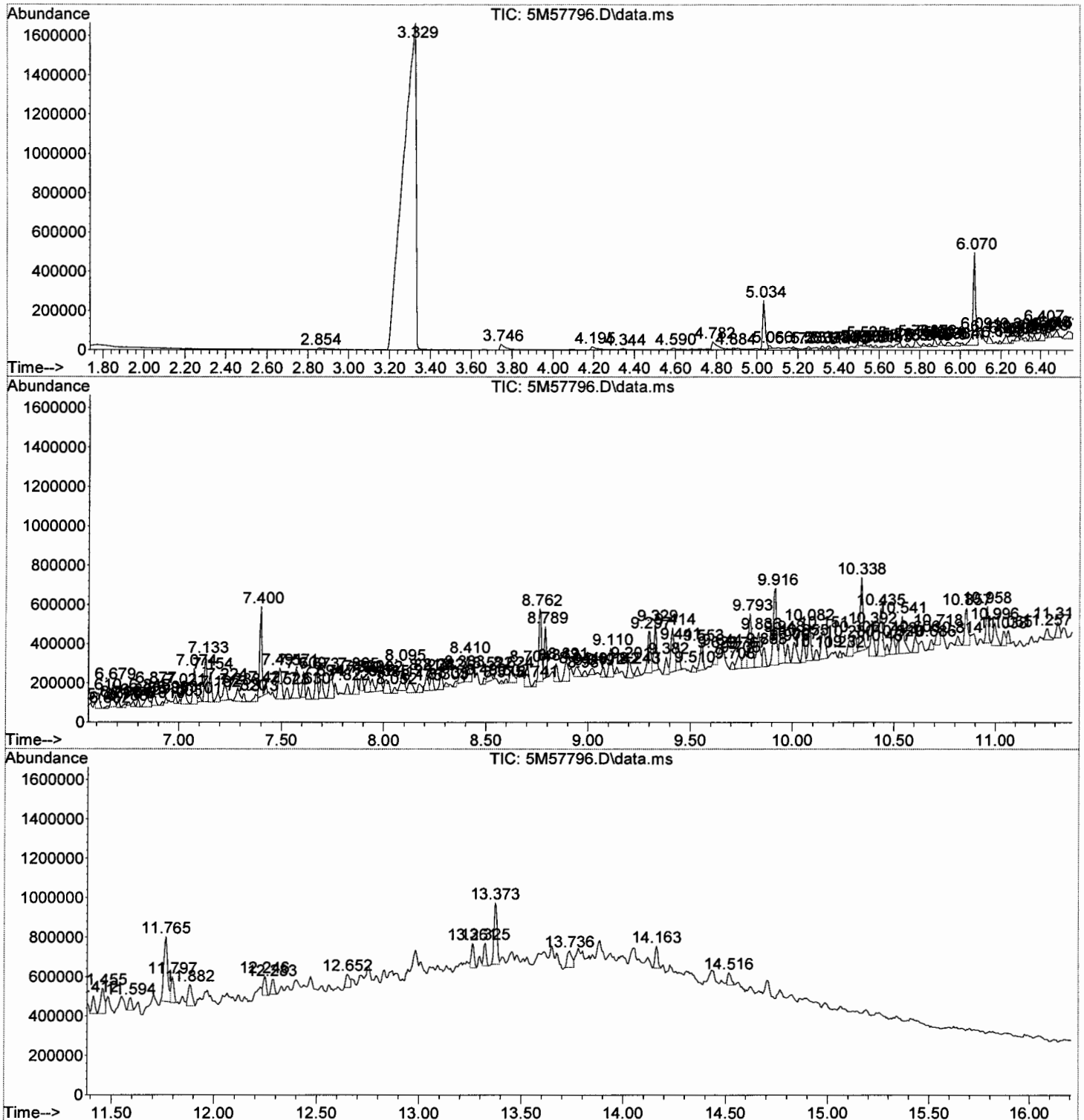
154	10.606	1658	1661	1664	rBV3	89991	103948	1.43%	0.448%
155	10.686	1673	1676	1678	rBV2	52395	57470	0.79%	0.248%
156	10.718	1678	1682	1684	rBV3	81714	99851	1.38%	0.431%
157	10.814	1698	1700	1704	rVB2	48642	45936	0.63%	0.198%
158	10.857	1704	1708	1711	rBV	188354	211375	2.92%	0.911%
159	10.958	1724	1727	1730	rBV	187252	155304	2.14%	0.670%
160	10.996	1731	1734	1740	rVB	118624	140575	1.94%	0.606%
161	11.038	1740	1742	1745	rBV3	71859	84962	1.17%	0.366%
162	11.065	1745	1747	1750	rVB	66574	51884	0.72%	0.224%
163	11.257	1780	1783	1789	rBV6	58015	80013	1.10%	0.345%
164	11.311	1790	1793	1796	rBV3	80146	94391	1.30%	0.407%
165	11.412	1809	1812	1816	rVB	91254	87657	1.21%	0.378%
166	11.455	1816	1820	1823	rBV2	128761	172661	2.38%	0.745%
167	11.594	1842	1846	1849	rBV2	62690	72489	1.00%	0.313%
168	11.765	1873	1878	1882	rBV2	327353	441755	6.10%	1.905%
169	11.797	1882	1884	1888	rVB	131773	120714	1.67%	0.521%
170	11.882	1897	1900	1905	rVB2	106569	143403	1.98%	0.618%
171	12.246	1966	1968	1971	rVB	96752	92387	1.28%	0.398%
172	12.283	1973	1975	1980	rVB	76494	79271	1.09%	0.342%
173	12.652	2041	2044	2047	rBV2	69100	97470	1.35%	0.420%
174	13.261	2156	2158	2162	rVB	123416	119942	1.66%	0.517%
175	13.325	2167	2170	2174	rVB	114794	105278	1.45%	0.454%
176	13.373	2176	2179	2183	rBV	310690	332585	4.59%	1.434%
177	13.736	2243	2247	2251	rBV4	85505	144258	1.99%	0.622%
178	14.163	2324	2327	2331	rVB3	111334	109536	1.51%	0.472%
179	14.516	2391	2393	2399	rVB6	63432	77781	1.07%	0.335%

Sum of corrected areas: 23190928

Data Path : G:\GcMsData\2010\GCMS_5\Data\05-1210\
Data File : 5M57796.D
Acq On : 12 May 2010 23:39
Operator : AHD
Sample : AC51387-004 (5X)
Misc : S,BNA:5
ALS Vial : 28 Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0430.M
Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P



Data Path : G:\GCMSData\2010\GCMS_5\Data\05-1210\
Data File : 5M57796.D
Acq On : 12 May 2010 23:39
Operator : AHD
Sample : AC51387-004(5X)
Misc : S,BNA:5
ALS Vial : 28 Sample Multiplier: 1

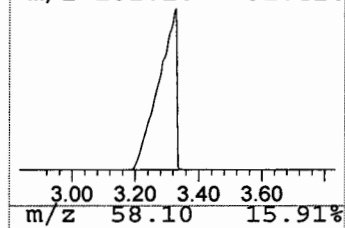
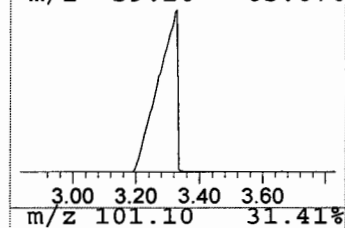
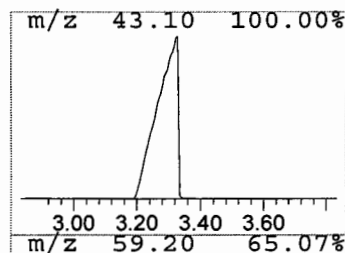
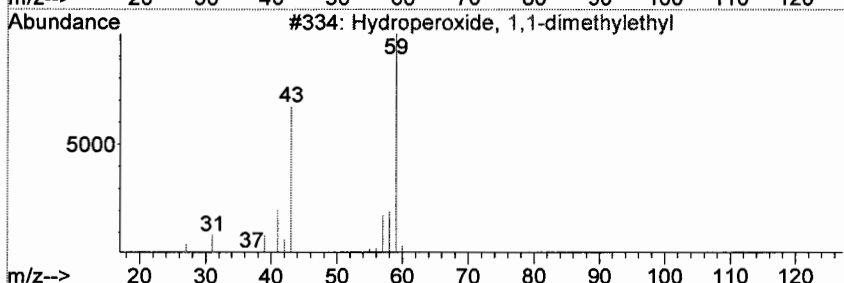
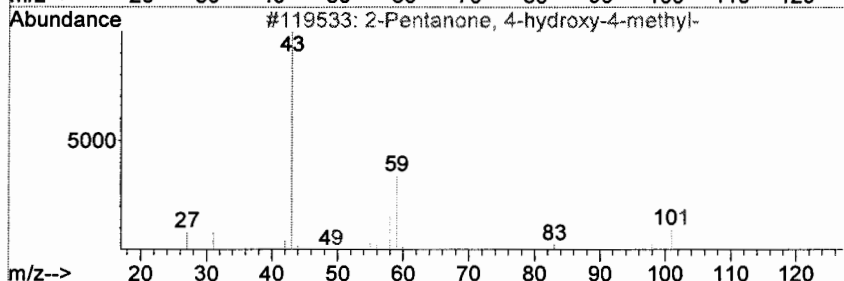
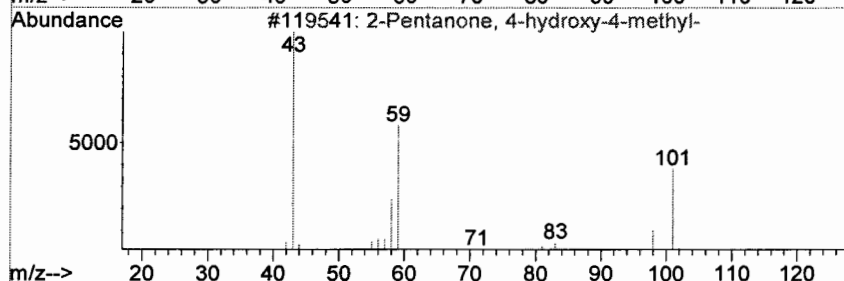
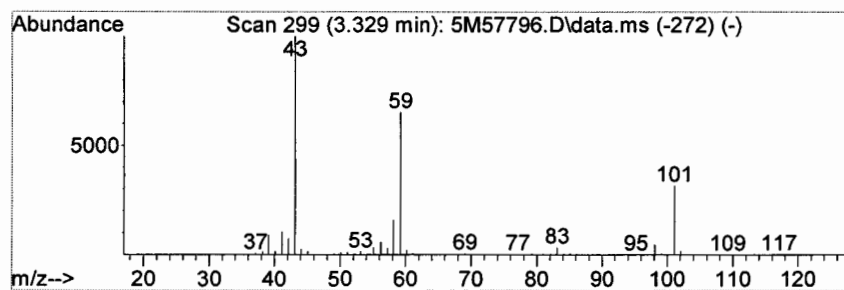
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Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.33	1318.69 ng	7244398	LibIS-1,4-Dichlorobenzene-d4	5.03

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	72
2			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
3			Hydroperoxide, 1,1-dimethylethyl	90	C4H10O2	000075-91-2	43
4			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	38
5			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	38



Data Path : G:\GcMsData\2010\GCMS_5\Data\05-1210\
Data File : 5M57796.D
Acq On : 12 May 2010 23:39
Operator : AHD
Sample : AC51387-004(5X)
Misc : S,BNA:5
ALS Vial : 28 Sample Multiplier: 1

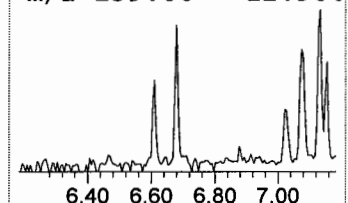
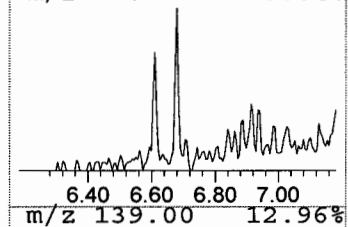
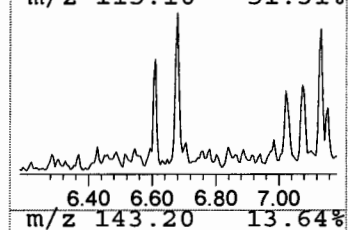
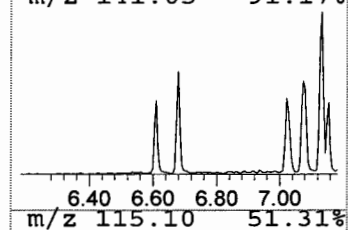
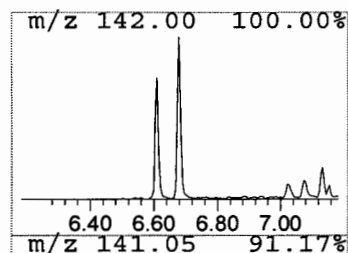
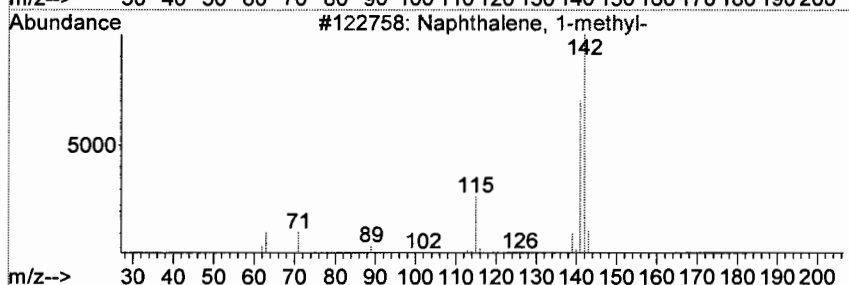
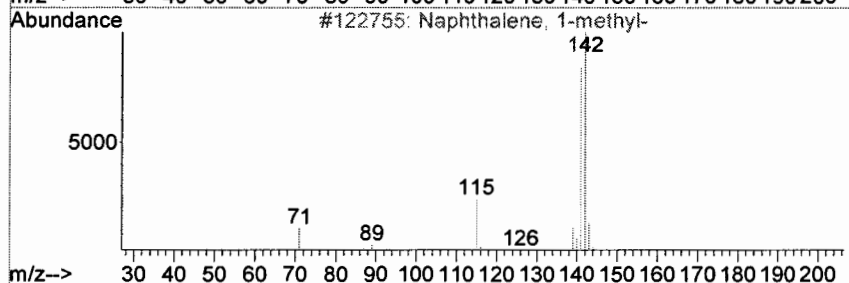
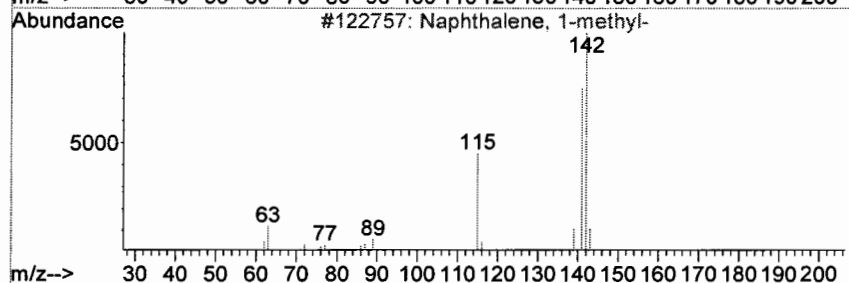
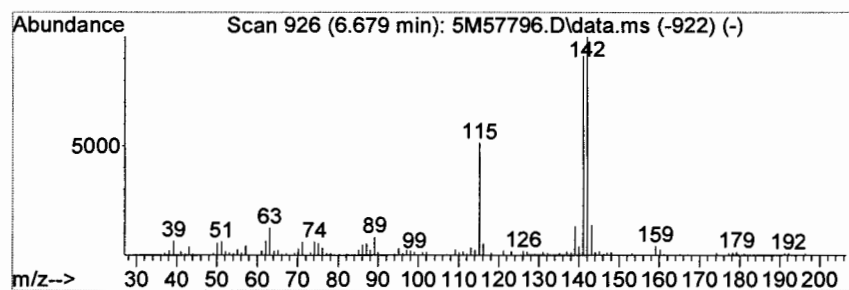
Quant Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0430.M
Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Naphthalene, 1-methyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.68	17.41 ng	113008	LibIS-Naphthalene-d8	6.07

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1-methyl-	142	C11H10	000090-12-0	95
2			Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
3			Naphthalene, 1-methyl-	142	C11H10	000090-12-0	93
4			Naphthalene, 2-methyl-	142	C11H10	000091-57-6	93
5			Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91



Data Path : G:\GcMsData\2010\GCMS_5\Data\05-1210\
Data File : 5M57796.D
Acq On : 12 May 2010 23:39
Operator : AHD
Sample : AC51387-004(5X)
Misc : S,BNA:5
ALS Vial : 28 Sample Multiplier: 1

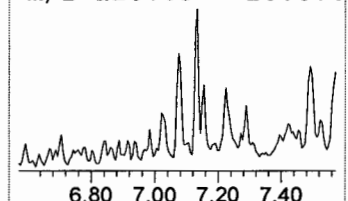
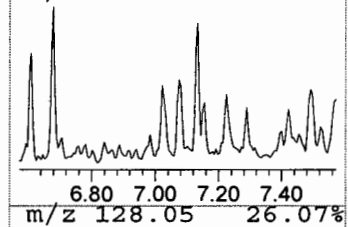
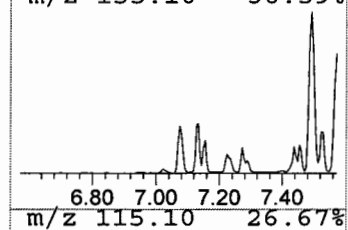
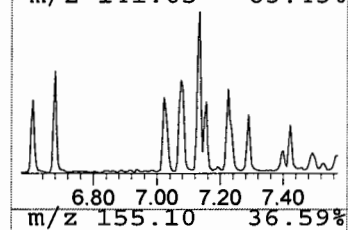
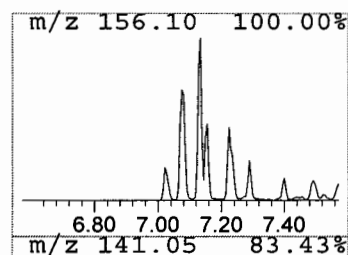
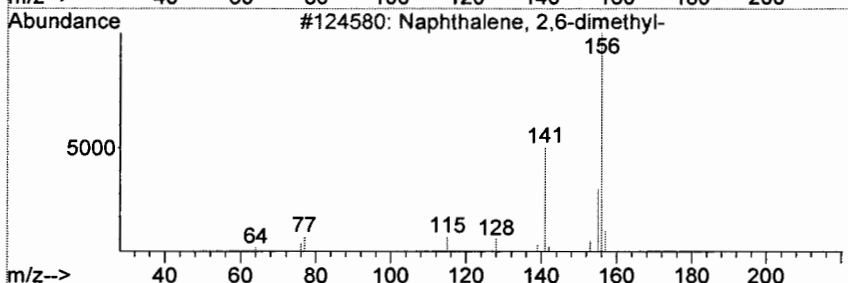
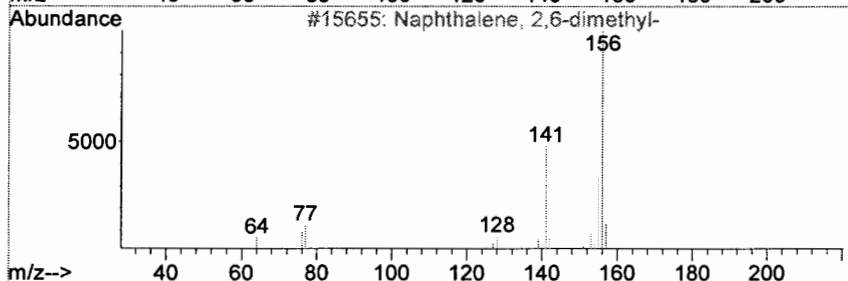
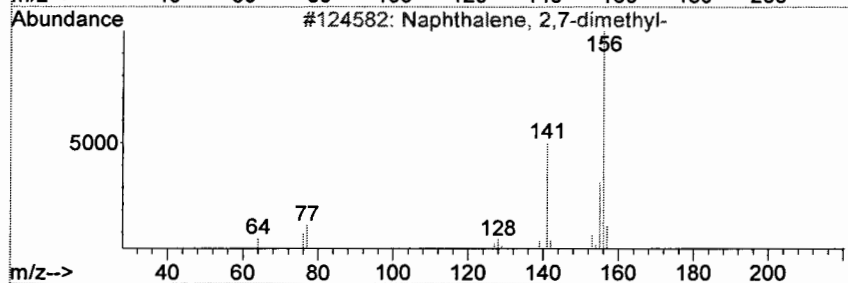
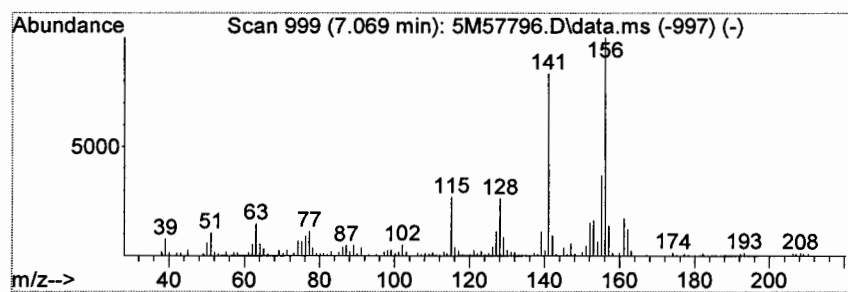
Quant Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0430.M
Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Naphthalene, 2,7-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.07	23.24 ng	190459	LibIS-Acenaphthene-d10	7.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	95
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	95
4	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	95
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95



Data Path : G:\GcMsData\2010\GCMS_5\Data\05-1210\
Data File : 5M57796.D
Acq On : 12 May 2010 23:39
Operator : AHD
Sample : AC51387-004(5X)
Misc : S,BNA:5
ALS Vial : 28 Sample Multiplier: 1

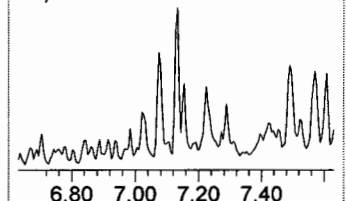
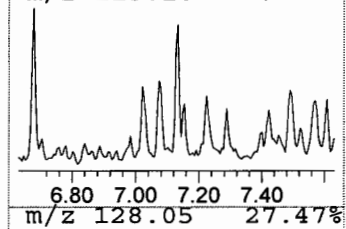
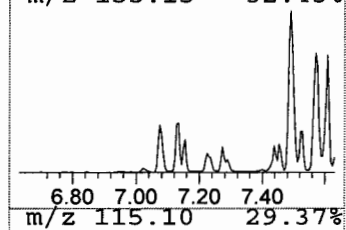
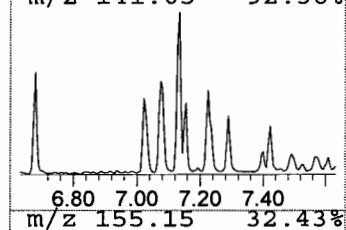
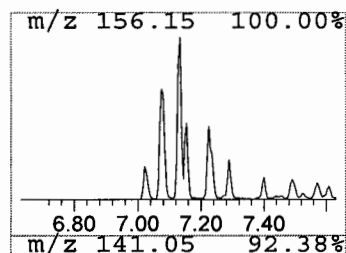
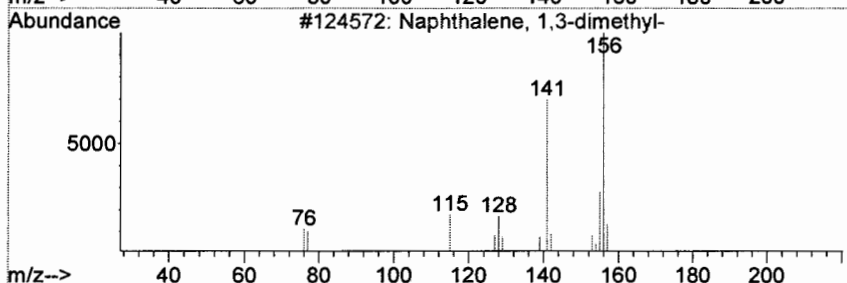
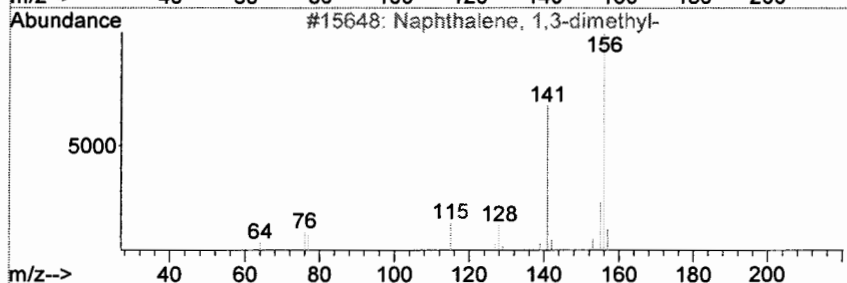
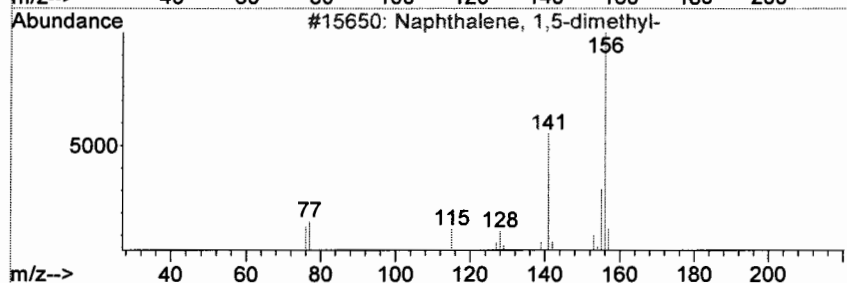
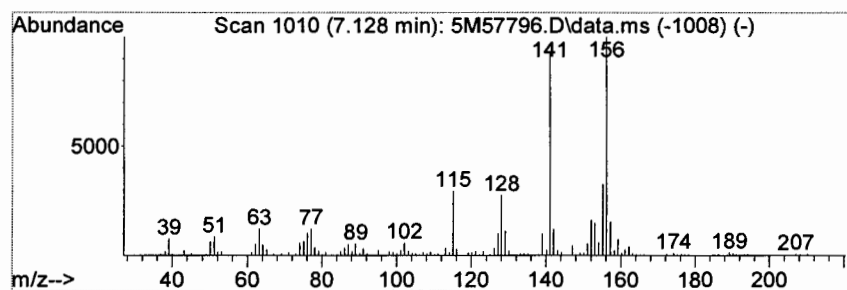
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Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Naphthalene, 1,5-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.13	24.29 ng	199025	LibIS-Acenaphthene-d10	7.40

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
2			Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
3			Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
4			Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95
5			Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	95



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_5\Data\05-1210\
 Data File : 5M57796.D
 Acq On : 12 May 2010 23:39
 Operator : AHD
 Sample : AC51387-004(5X)
 Misc : S,BNA:5
 ALS Vial : 28 Sample Multiplier: 1

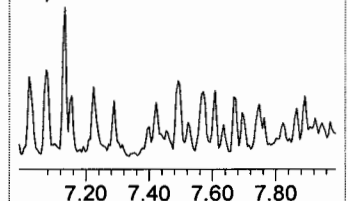
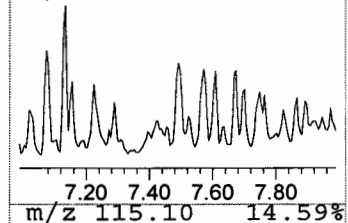
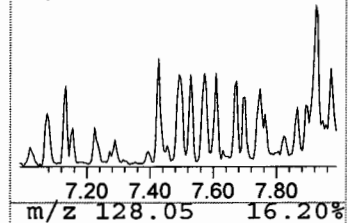
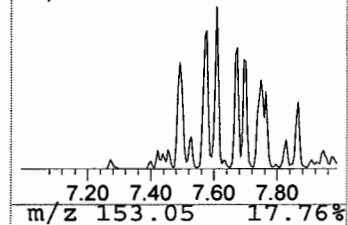
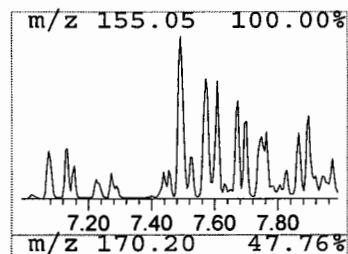
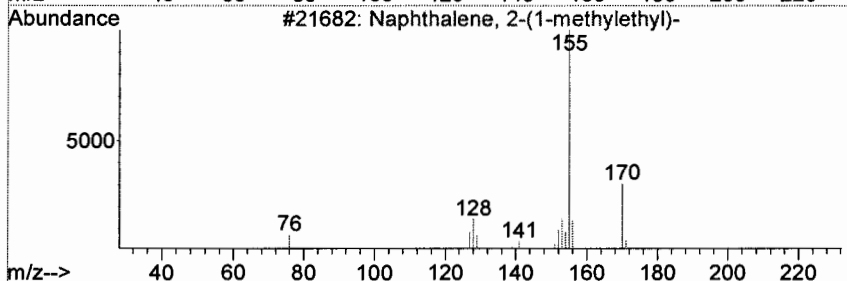
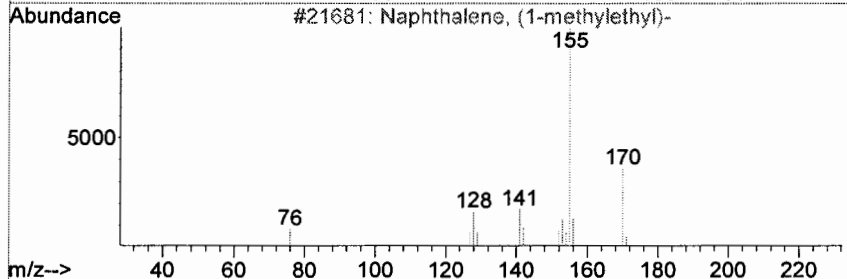
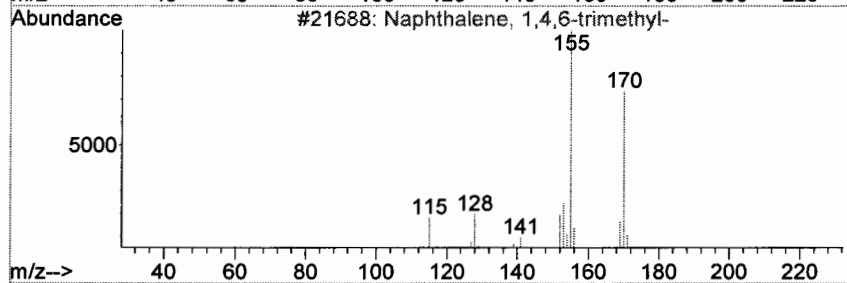
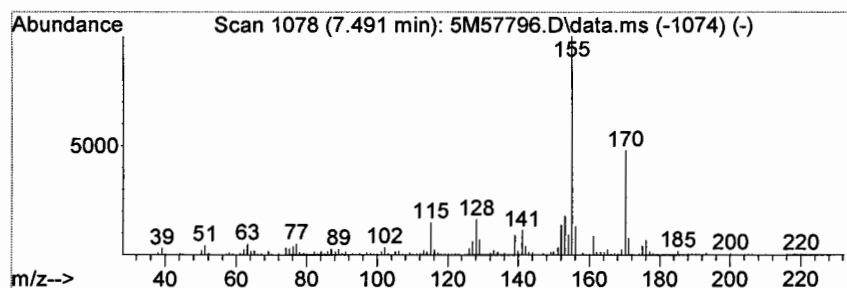
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 Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 5 Naphthalene, 1,4,6-trimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.49	22.50 ng	184384	LibIS-Acenaphthene-d10	7.40

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	92
2			Naphthalene, (1-methylethyl)-	170	C13H14	029253-36-9	90
3			Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	90
4			9,9-Dimethyl-1,4-dihydro-1,4-met...	170	C13H14	018242-86-9	87
5			Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	87



Data Path : G:\GcMsData\2010\GCMS_5\Data\05-1210\
Data File : 5M57796.D
Acq On : 12 May 2010 23:39
Operator : AHD
Sample : AC51387-004(5X)
Misc : S,BNA:5
ALS Vial : 28 Sample Multiplier: 1

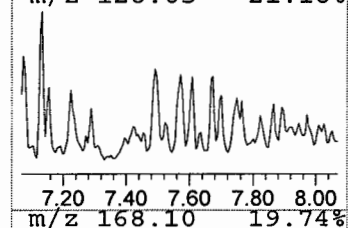
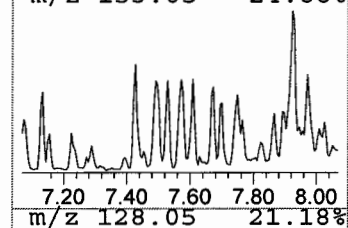
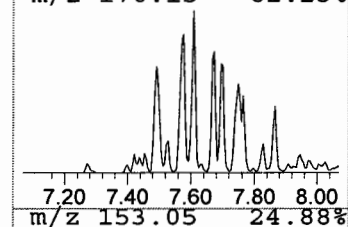
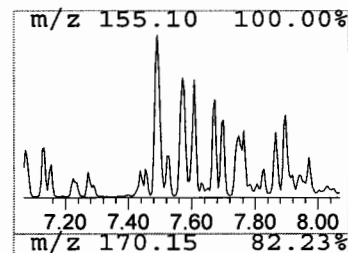
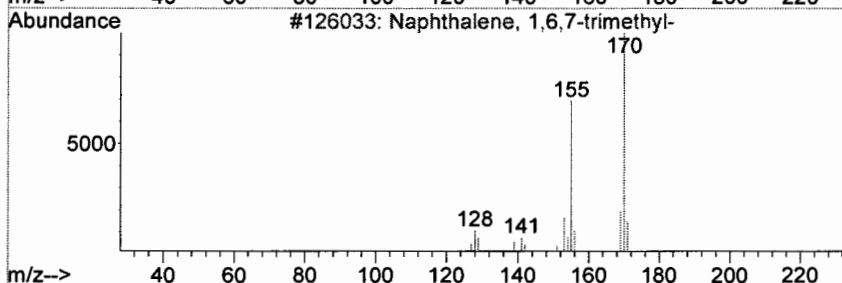
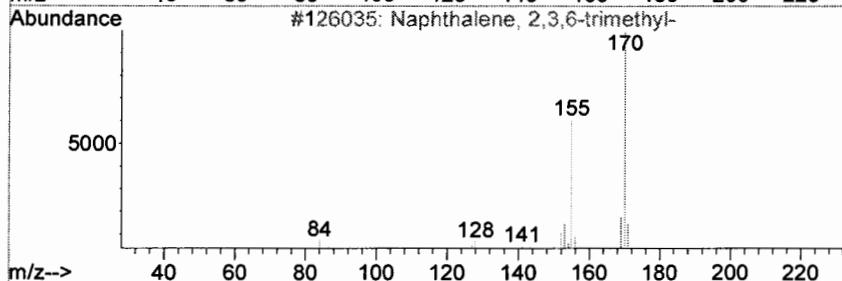
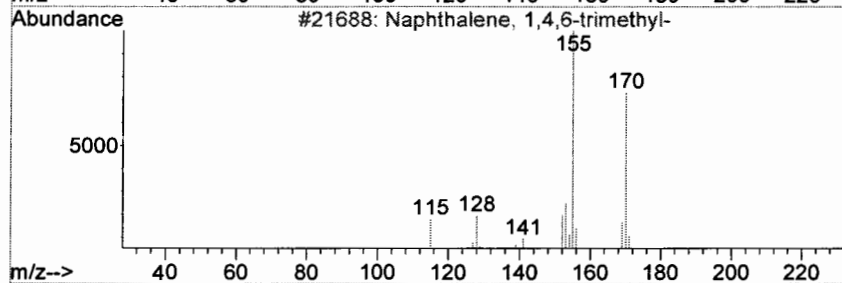
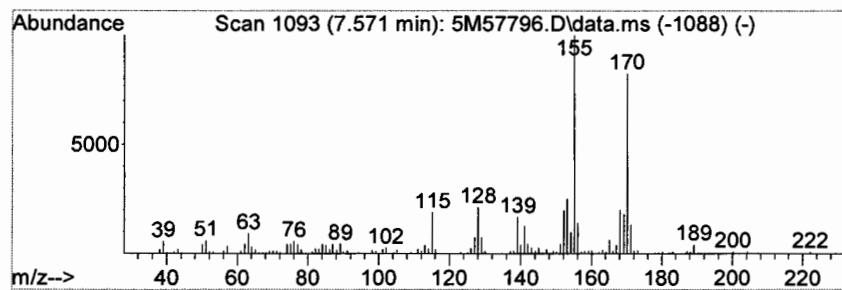
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Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 Naphthalene, 1,4,6-trimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.57	23.64 ng	193734	LibIS-Acenaphthene-d10	7.40

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	98
2			Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	93
3			Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	91
4			METHYL-ETHYL-NAPHTALENE	170	C13H14	000000-00-0	81
5			9,9-Dimethyl-1,4-dihydro-1,4-met...	170	C13H14	018242-86-9	76



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_5\Data\05-1210\
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 Sample : AC51387-004(5X)
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 ALS Vial : 28 Sample Multiplier: 1

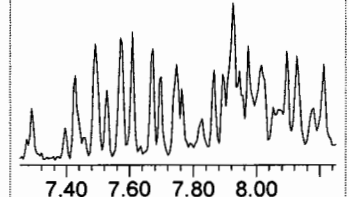
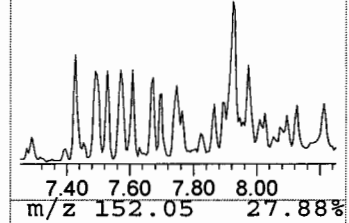
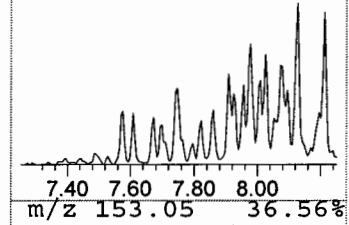
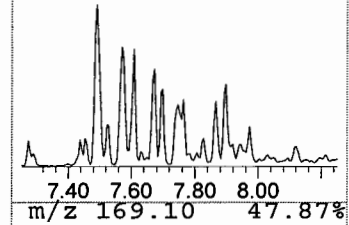
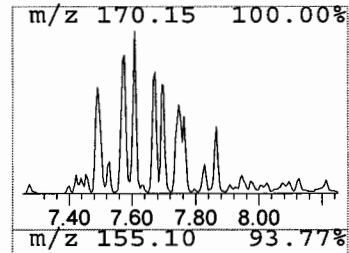
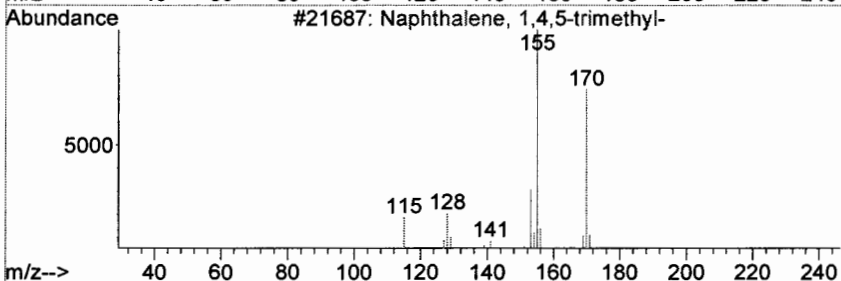
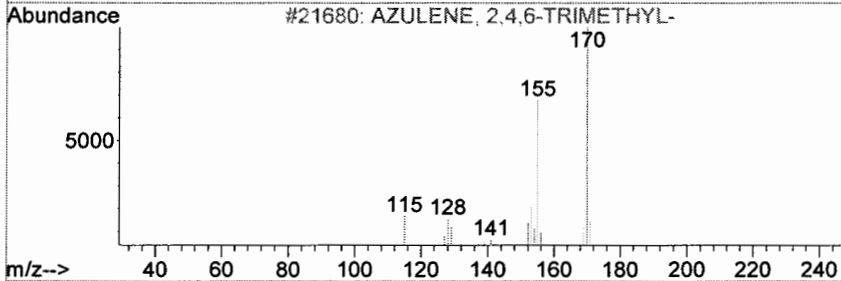
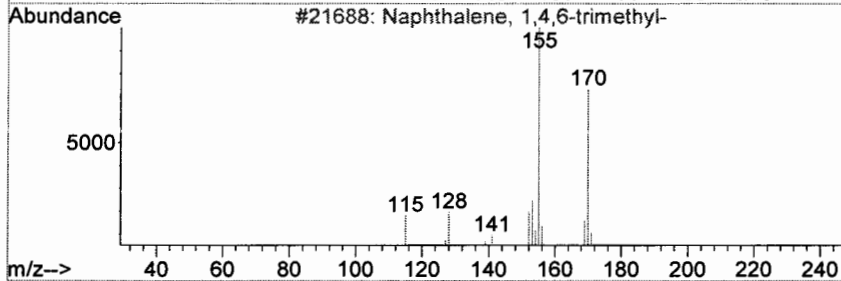
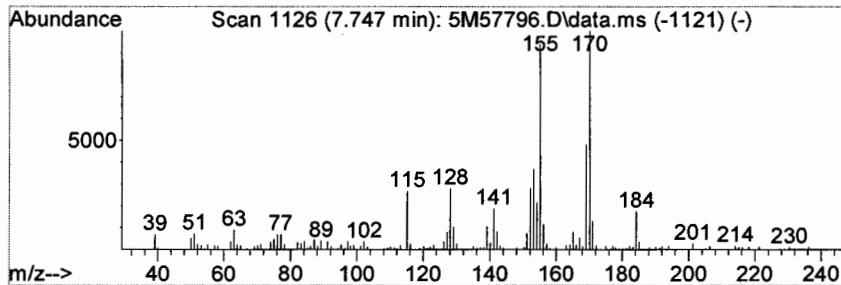
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 Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 7 Naphthalene, 1,4,6-trimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.75	18.20 ng	149152	LibIS-Acenaphthene-d10	7.40

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	81
2			AZULENE, 2,4,6-TRIMETHYL-	170	C13H14	000000-00-0	81
3			Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	76
4			Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	70
5			1H,3H-Thieno[3,4-c]thiophene, 4,...	170	C8H10S2	015441-54-0	64



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_5\Data\05-1210\
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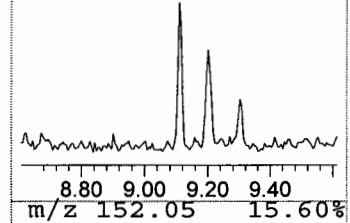
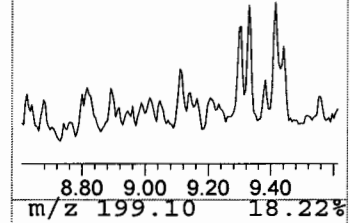
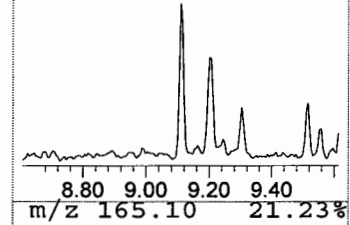
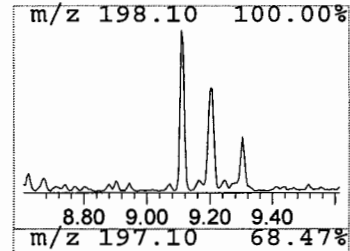
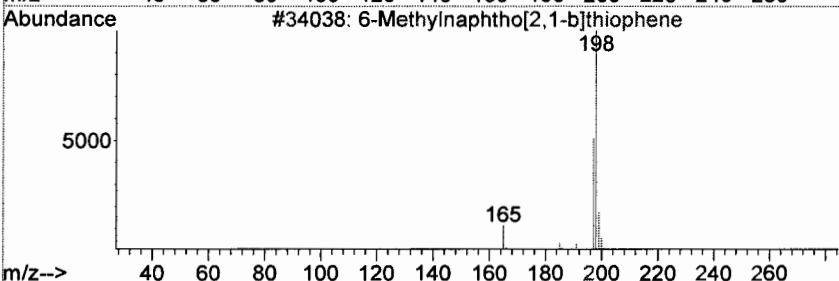
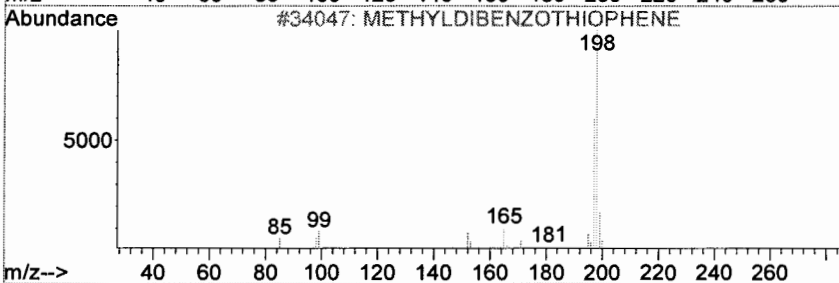
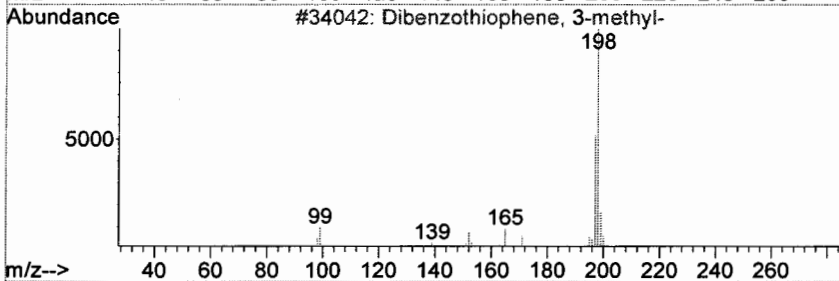
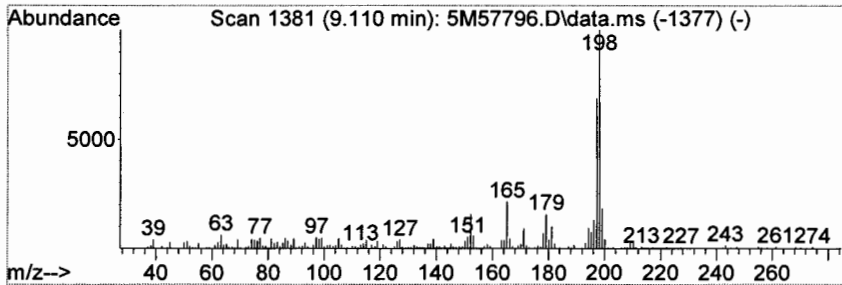
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TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 8 Dibenzothiophene, 3-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.11	18.00 ng	160020	LibIS-Phenanthrene-d10	8.76

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	94
2			METHYLDIBENZOTHIOPHENE	198	C13H10S	030995-64-3	91
3			6-Methylnaphtho[2,1-b]thiophene	198	C13H10S	004567-37-7	59
4			Benzene, 1,1'-(1-fluoro-1,2-ethe...	198	C14H11F	000671-19-2	58
5			Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	58



Data Path : G:\GcMsData\2010\GCMS_5\Data\05-1210\
Data File : 5M57796.D
Acq On : 12 May 2010 23:39
Operator : AHD
Sample : AC51387-004 (5X)
Misc : S,BNA:5
ALS Vial : 28 Sample Multiplier: 1

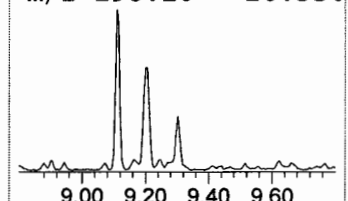
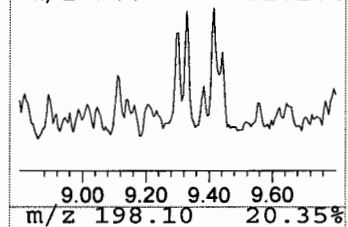
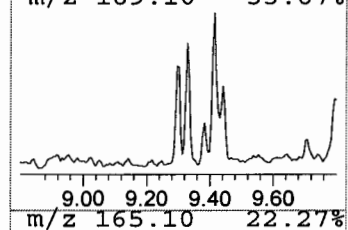
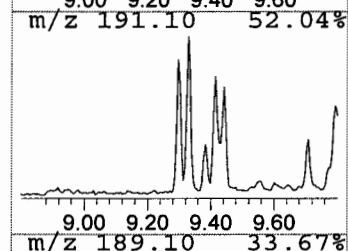
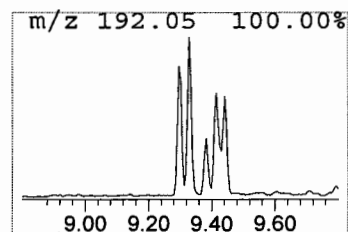
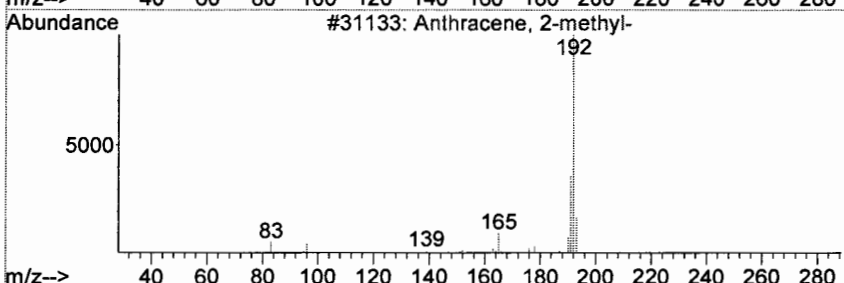
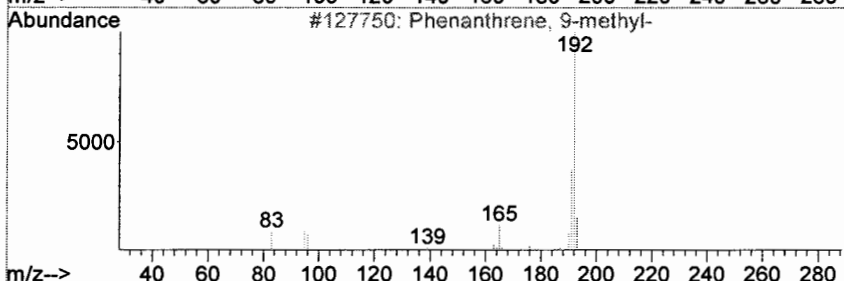
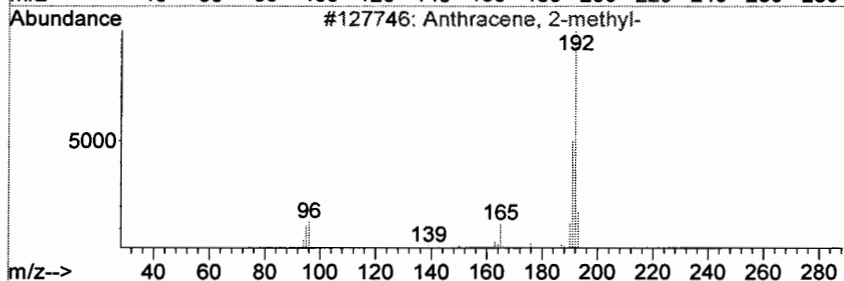
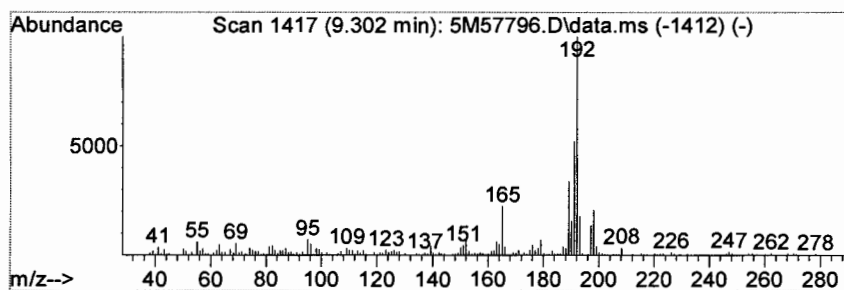
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Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 Anthracene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.30	26.97 ng	239772	LibIS-Phenanthrene-d10	8.76

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
2			Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	86
3			Anthracene, 2-methyl-	192	C15H12	000613-12-7	83
4			1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	81
5			Anthracene, 9-methyl-	192	C15H12	000779-02-2	81



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_5\Data\05-1210\
 Data File : 5M57796.D
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 Operator : AHD
 Sample : AC51387-004(5X)
 Misc : S,BNA:5
 ALS Vial : 28 Sample Multiplier: 1

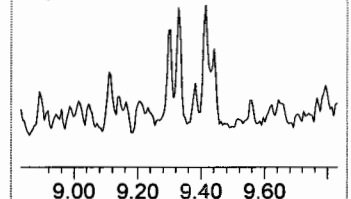
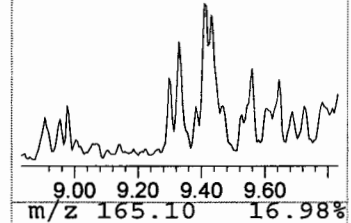
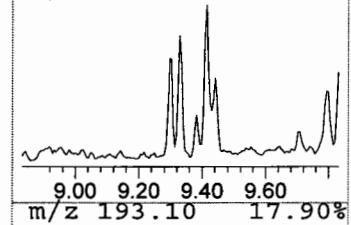
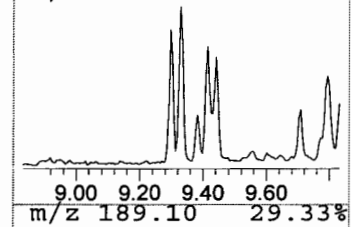
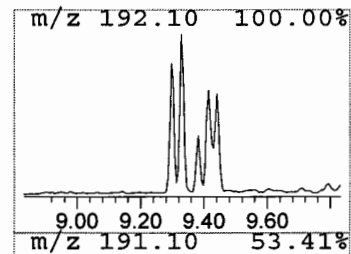
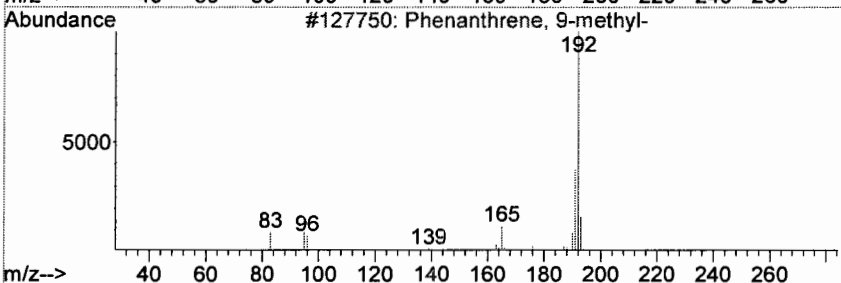
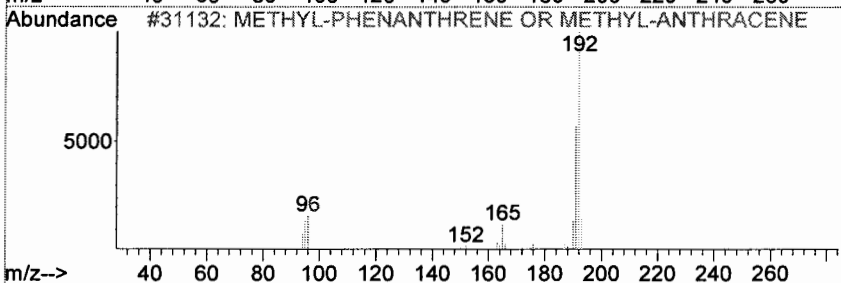
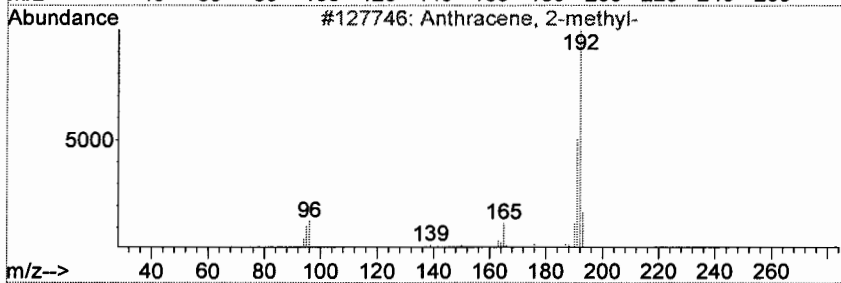
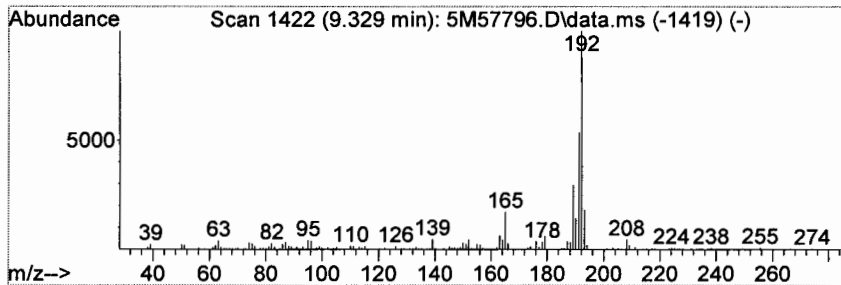
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TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 10 Anthracene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.33	24.14 ng	214607	LibIS-Phenanthrene-d10	8.76

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2			METHYL-PHENANTHRENE OR METHYL-AN...	192	C15H12	000610-48-0	94
3			Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	93
4			Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	90
5			Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90



Data Path : G:\GcMsData\2010\GCMS_5\Data\05-1210\
Data File : 5M57796.D
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Operator : AHD
Sample : AC51387-004(5X)
Misc : S,BNA:5
ALS Vial : 28 Sample Multiplier: 1

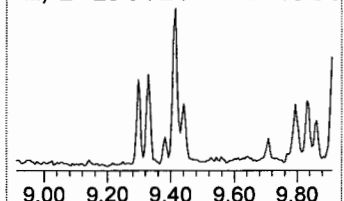
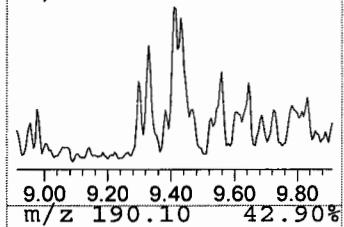
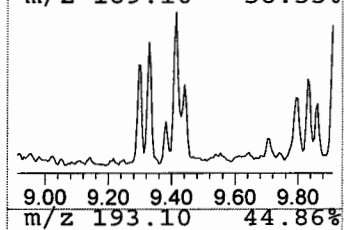
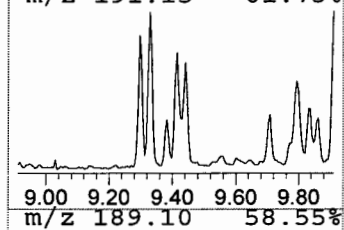
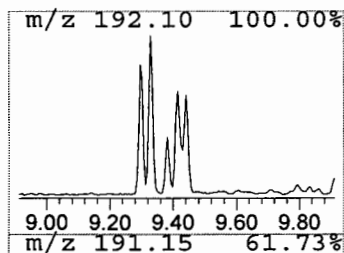
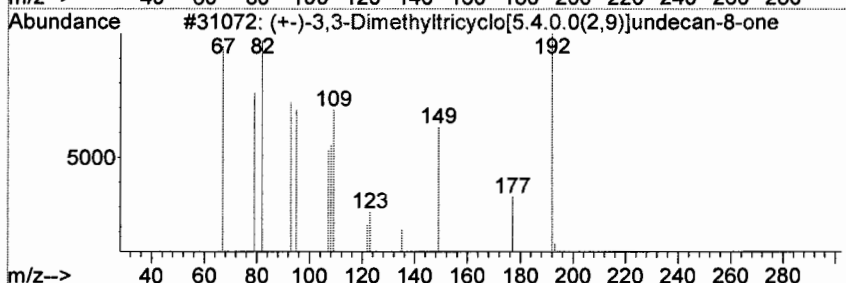
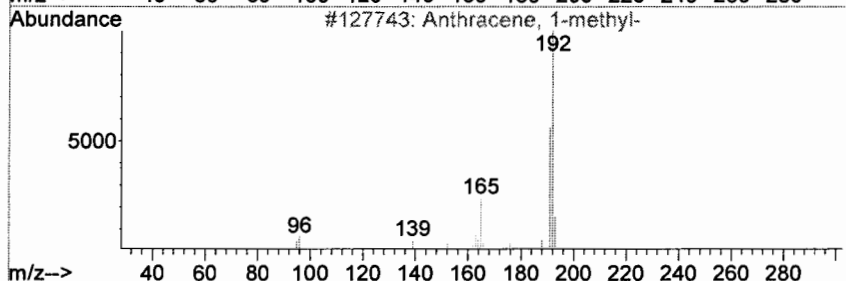
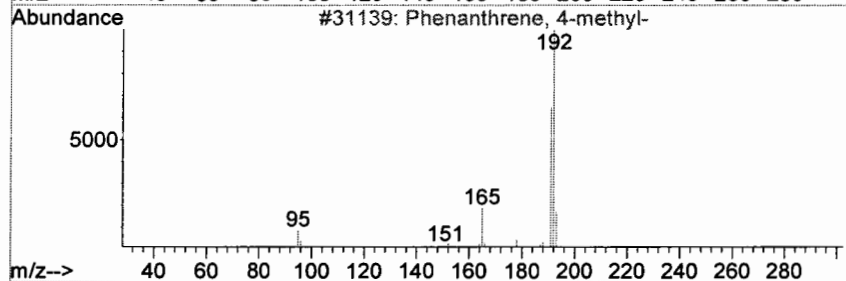
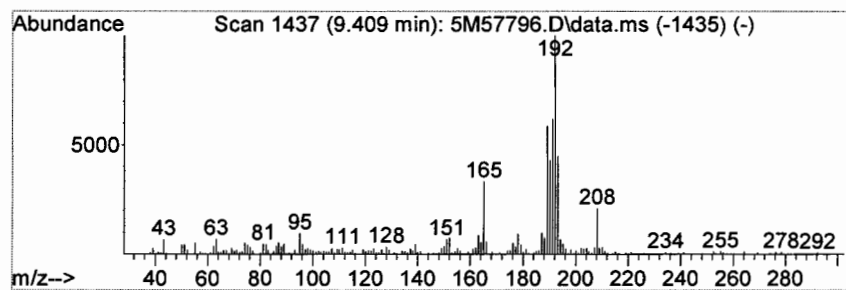
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Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 Phenanthrene, 4-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.41	31.63 ng	281184	LibIS-Phenanthrene-d10	8.76

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	91
2			Anthracene, 1-methyl-	192	C15H12	000610-48-0	83
3			(+)-3,3-Dimethyltricyclo[5.4.0....	192	C13H20O	057768-52-2	74
4			Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	53
5			9H-Fluorene, 9-ethylidene-	192	C15H12	007151-64-6	50



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_5\Data\05-1210\
 Data File : 5M57796.D
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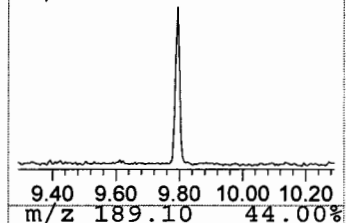
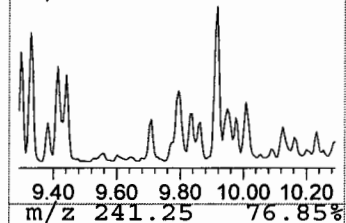
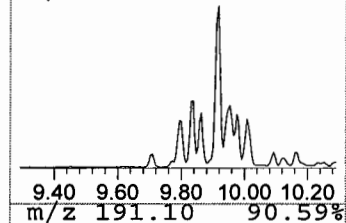
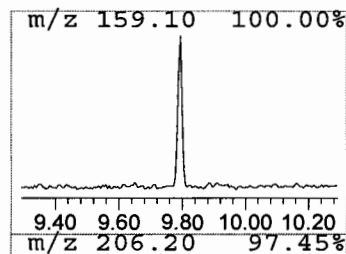
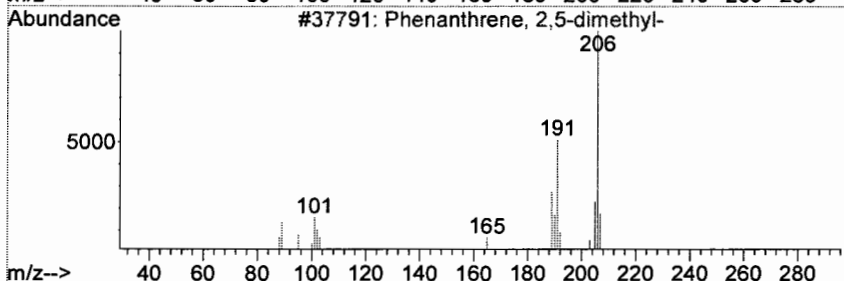
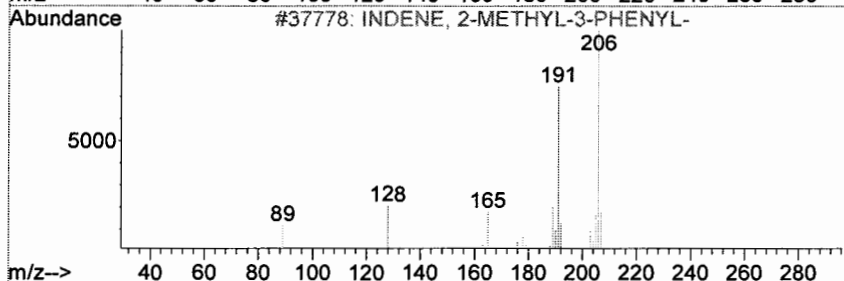
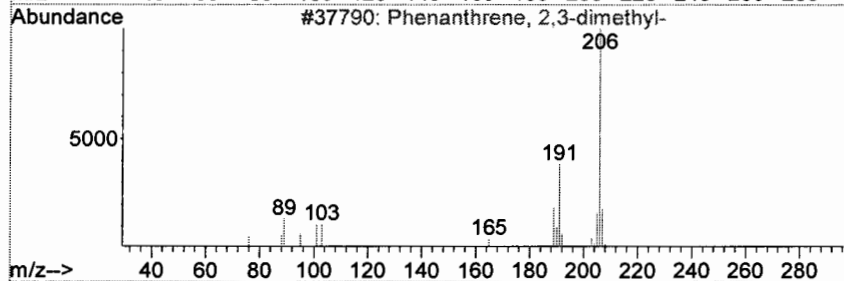
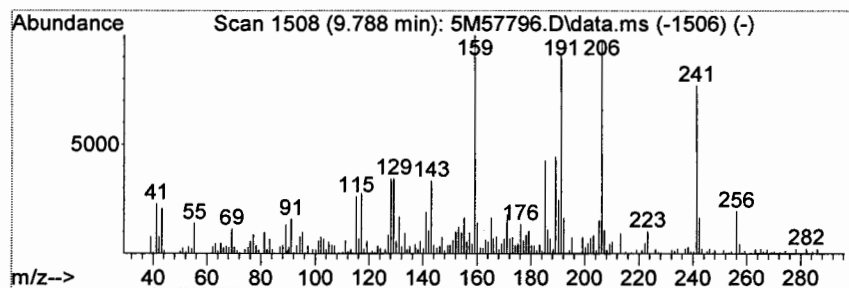
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TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 12 Phenanthrene, 2,3-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.79	36.60 ng	325377	LibIS-Phenanthrene-d10	8.76

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	70
2			INDENE, 2-METHYL-3-PHENYL-	206	C16H14	000000-00-0	62
3			Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	55
4			(E,E)-5,5'-(2,4-Hexadiendiyliden...	206	C16H14	091524-64-0	49
5			Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	46



Library Search Compound Report

Data Path : G:\GCMSData\2010\GCMS_5\Data\05-1210\
 Data File : 5M57796.D
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 Sample : AC51387-004(5X)
 Misc : S,BNA:5
 ALS Vial : 28 Sample Multiplier: 1

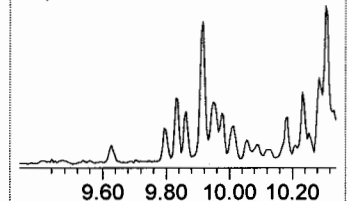
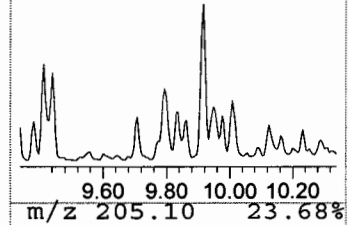
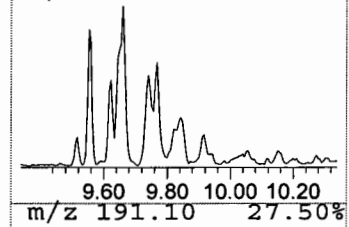
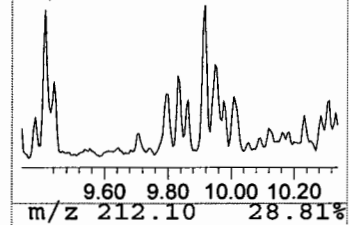
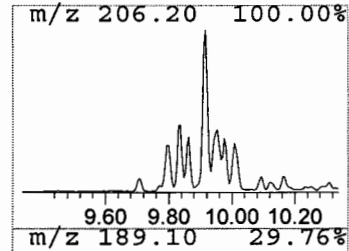
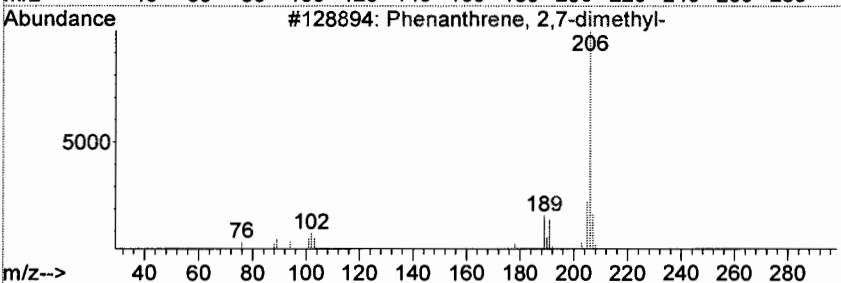
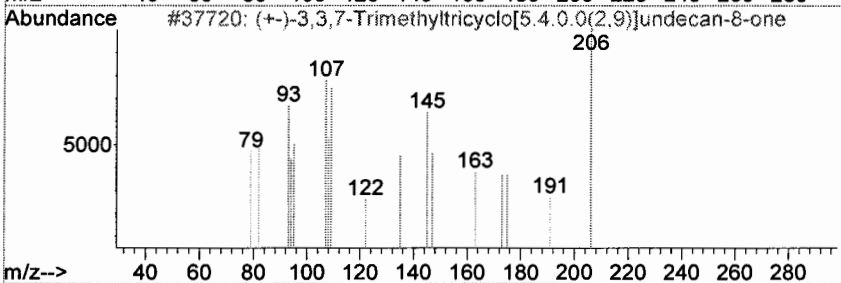
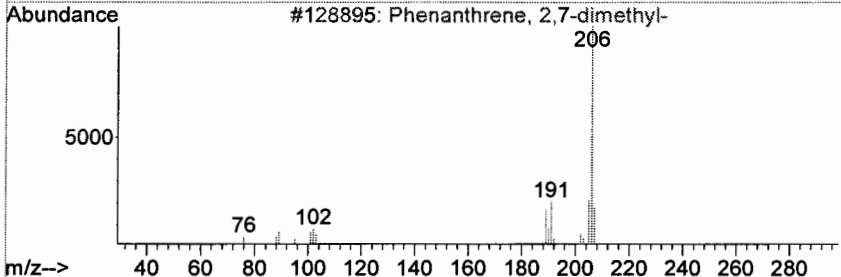
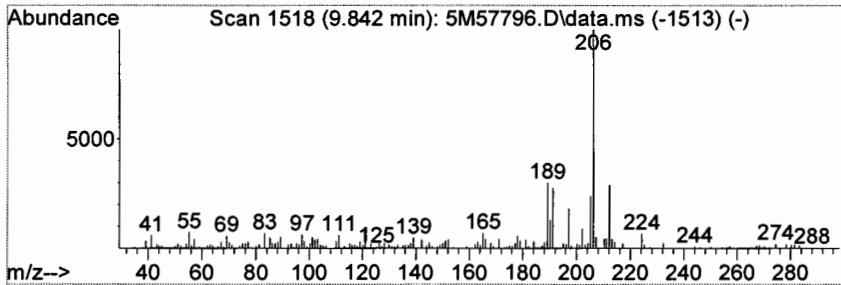
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TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 13 Phenanthrene, 2,7-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.84	25.68 ng	228278	LibIS-Phenanthrene-d10	8.76

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	91
2			(+)-3,3,7-Trimethyltricyclo[5.4.0...]	206	C14H22O	038647-26-6	89
3			Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	76
4			Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	72
5			Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	72



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_5\Data\05-1210\
 Data File : 5M57796.D
 Acq On : 12 May 2010 23:39
 Operator : AHD
 Sample : AC51387-004(5X)
 Misc : S,BNA:5
 ALS Vial : 28 Sample Multiplier: 1

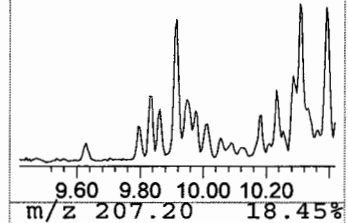
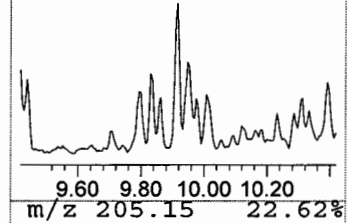
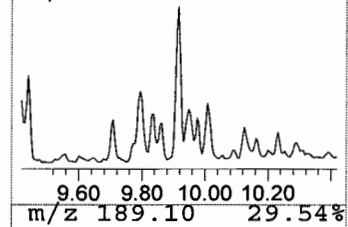
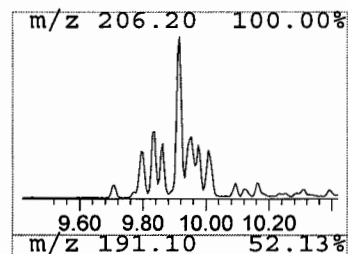
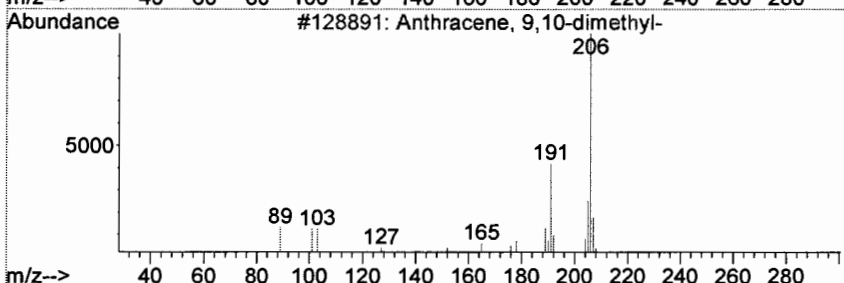
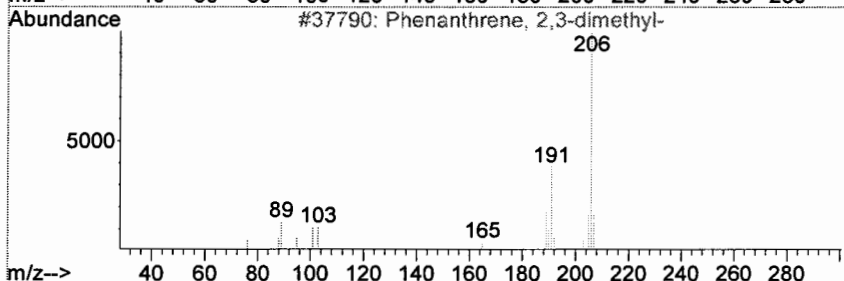
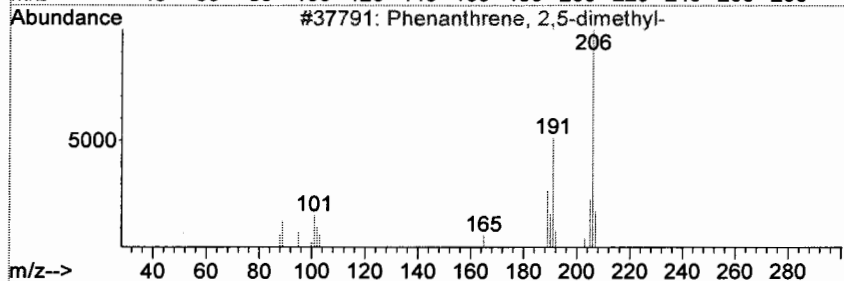
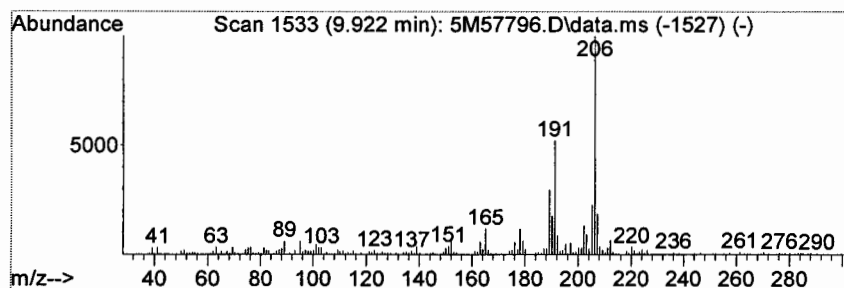
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TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 14 Phenanthrene, 2,5-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.92	50.71 ng	450833	LibIS-Phenanthrene-d10	8.76

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2			Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
3			Anthracene, 9,10-dimethyl-	206	C16H14	000781-43-1	91
4			Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	91
5			Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	91



Data Path : G:\GcMsData\2010\GCMS_5\Data\05-1210\
Data File : 5M57796.D
Acq On : 12 May 2010 23:39
Operator : AHD
Sample : AC51387-004(5X)
Misc : S,BNA:5
ALS Vial : 28 Sample Multiplier: 1

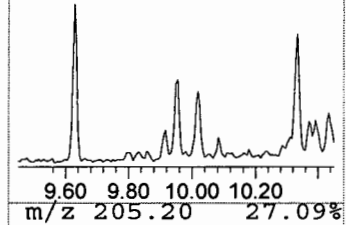
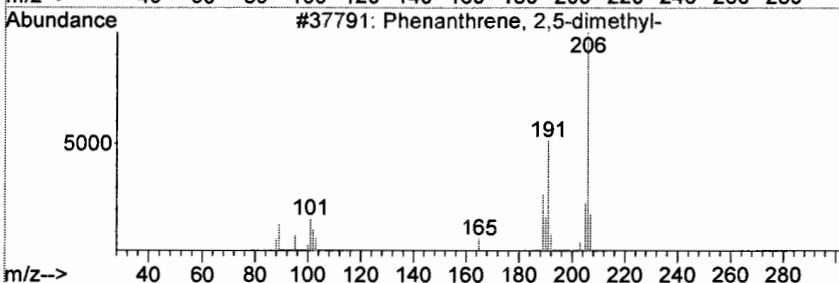
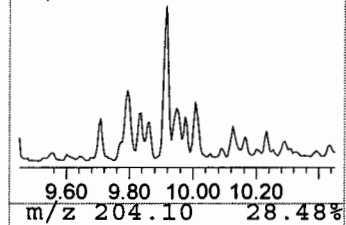
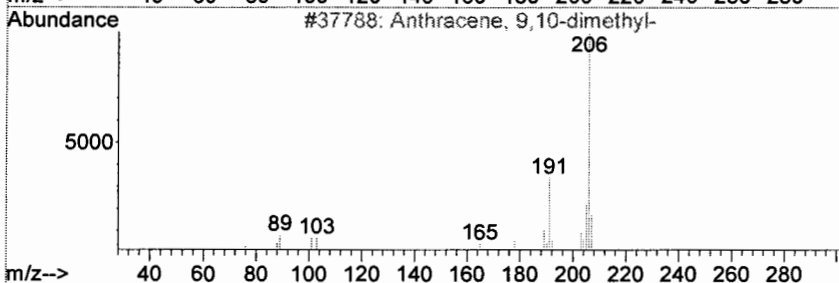
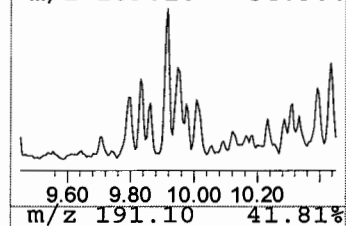
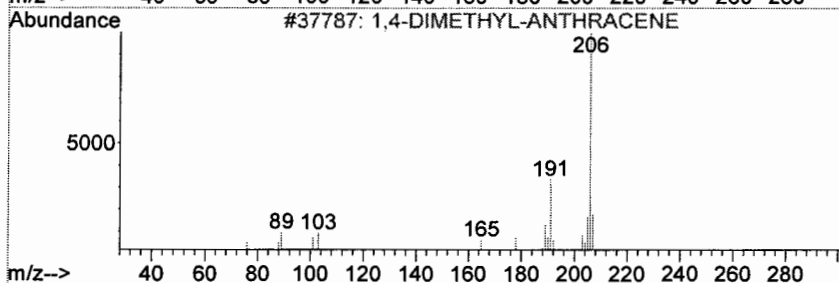
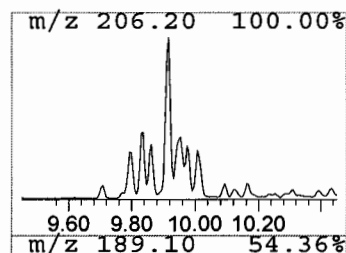
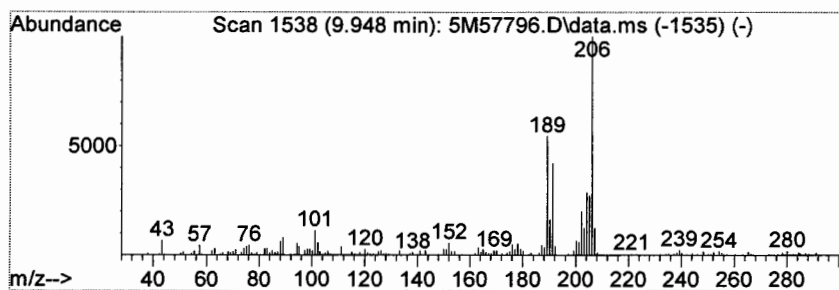
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Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

Peak Number 15 Anthracene, 9,10-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.95	23.12 ng	205508	LibIS-Phenanthrene-d10	8.76

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,4-DIMETHYL-ANTHRACENE	206	C16H14	000000-00-0	58
2			Anthracene, 9,10-dimethyl-	206	C16H14	000781-43-1	52
3			Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	50
4			Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	50
5			Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	49



Data Path : G:\GCMSData\2010\GCMS_5\Data\05-1210\
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Sample : AC51387-004(5X)
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ALS Vial : 28 Sample Multiplier: 1

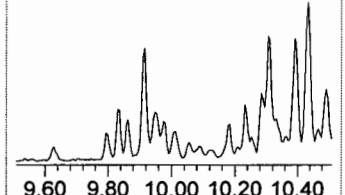
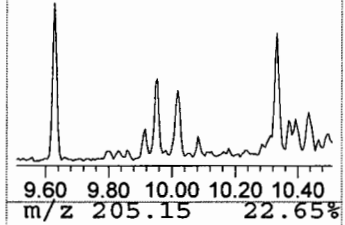
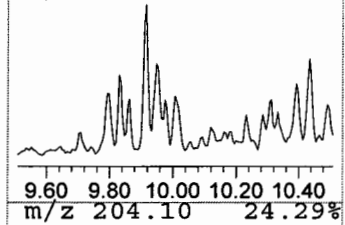
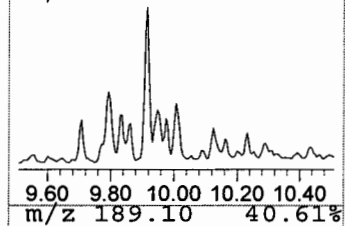
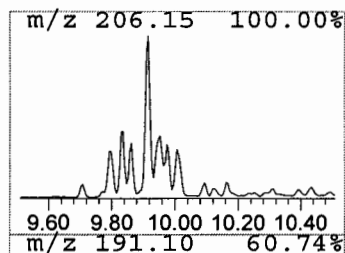
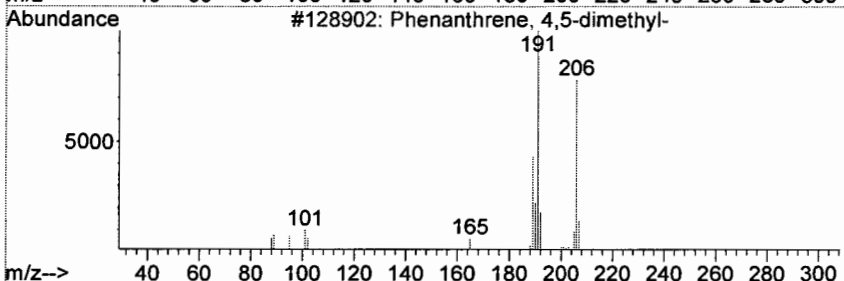
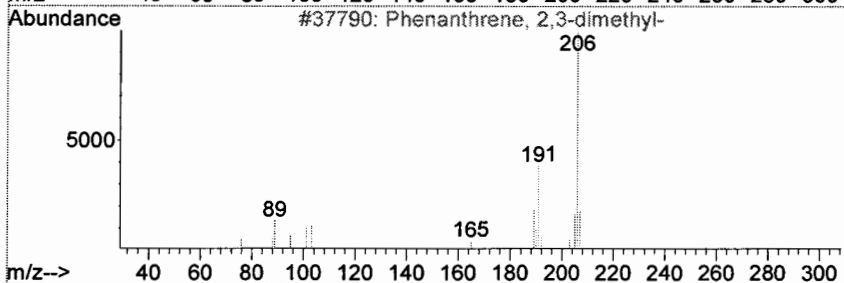
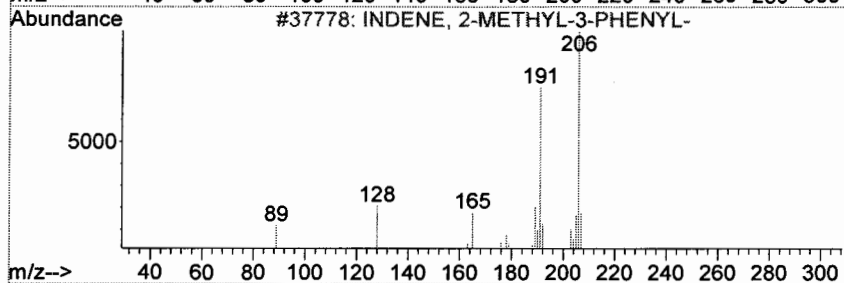
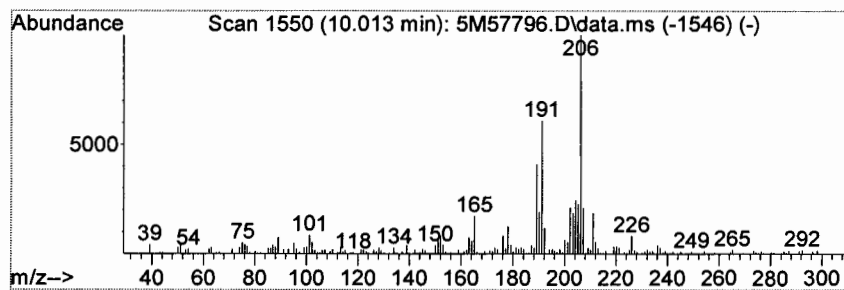
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Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

Peak Number 16 Phenanthrene, 2,3-dimethyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.01	16.61 ng	147626	LibIS-Phenanthrene-d10	8.76

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			INDENE, 2-METHYL-3-PHENYL-	206	C16H14	000000-00-0	93
2			Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
3			Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	89
4			Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	76
5			Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	74



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_5\Data\05-1210\
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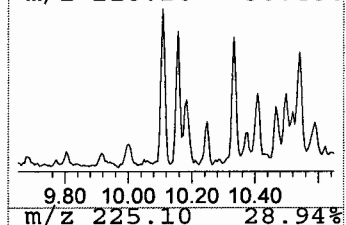
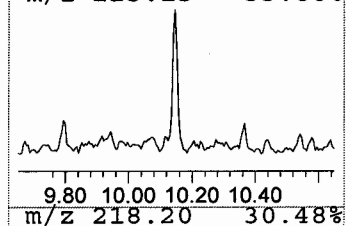
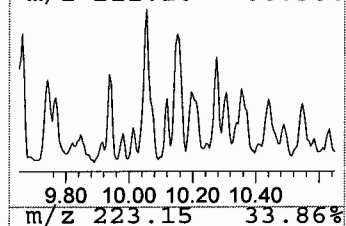
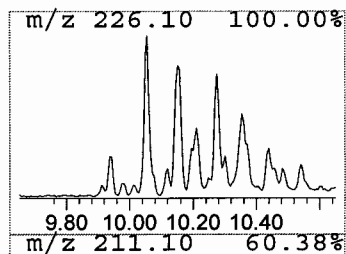
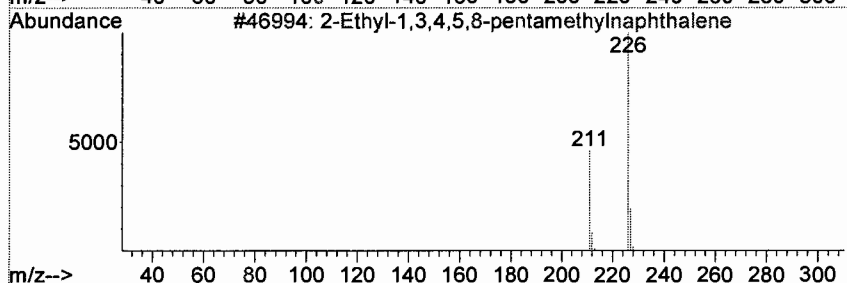
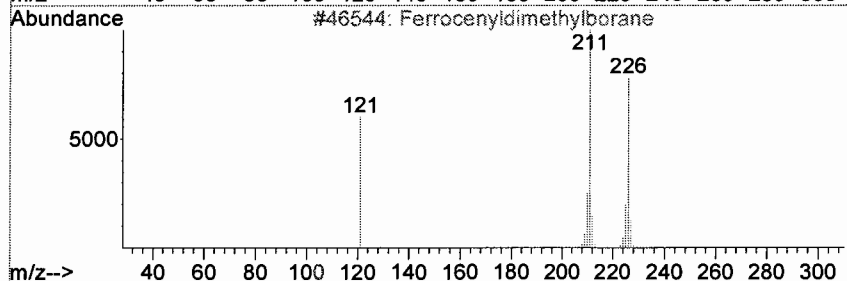
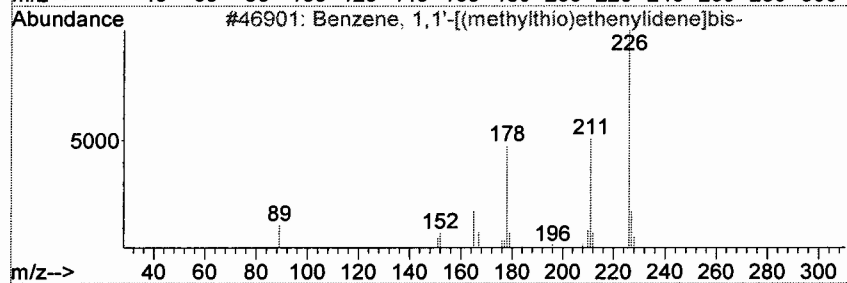
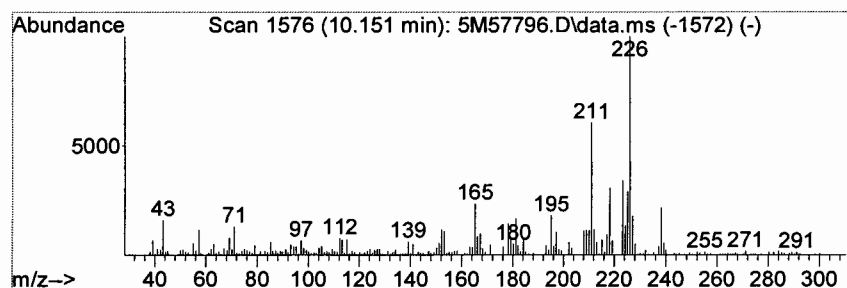
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TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 17 Benzene, 1,1'-[(methylthio)... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.15	23.19 ng	206114	LibIS-Phenanthrene-d10	8.76

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,1'-[(methylthio)ethen...	226	C15H14S	015096-10-3	78
2			Ferrocenyldimethylborane	226	C12H15BFe	061649-69-2	53
3			2-Ethyl-1,3,4,5,8-pentamethylnap...	226	C17H22	071185-29-0	47
4			9H-Xanthen-9-one, 4-methoxy-	226	C14H10O3	006702-58-5	46
5			2',5'-DIHYDROXY-4',6'-DIMETHOXY-...	226	C11H14O5	000000-00-0	43



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_5\Data\05-1210\
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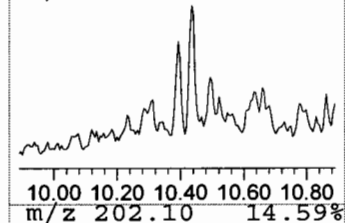
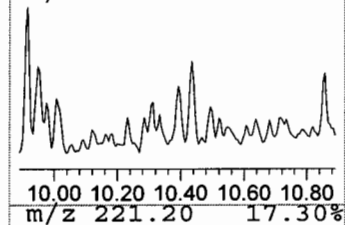
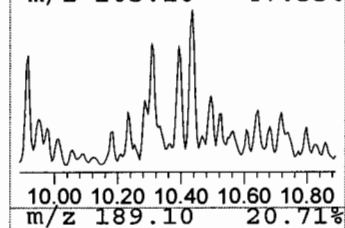
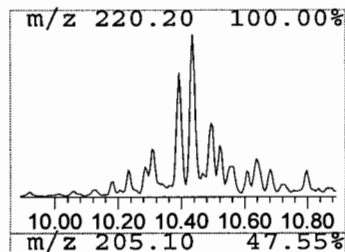
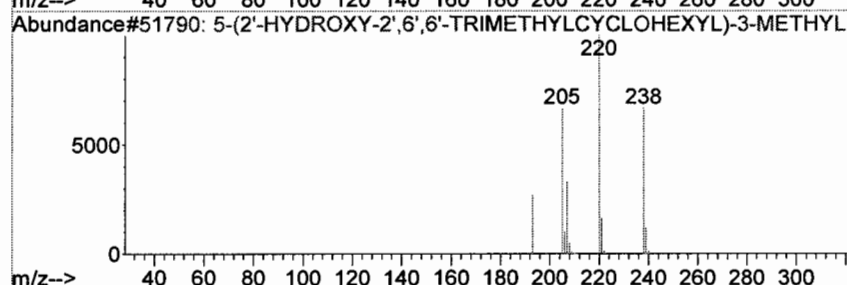
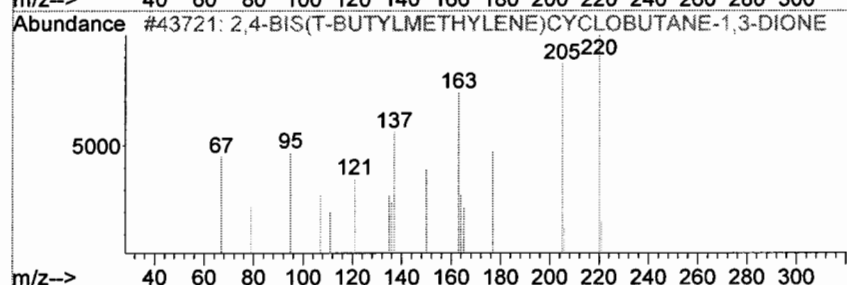
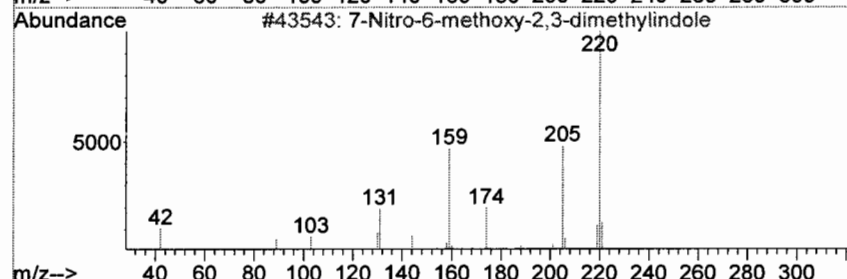
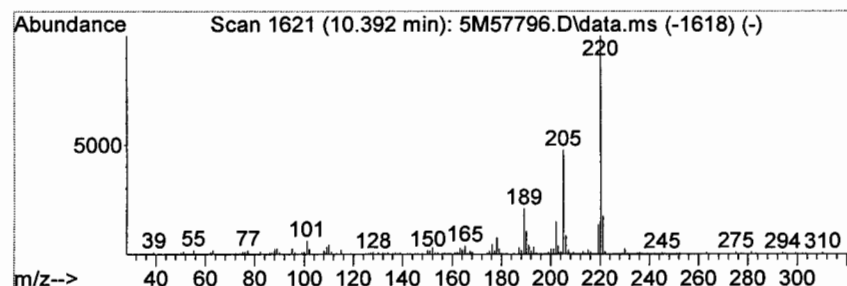
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 Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 18 7-Nitro-6-methoxy-2,3-dimet... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.39	18.51 ng	164542	LibIS-Phenanthrene-d10	8.76

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			7-Nitro-6-methoxy-2,3-dimethylin...	220	C11H12N2O3	068289-71-4	64
2			2,4-BIS(T-BUTYLMETHYLENE)CYCLOBU...	220	C14H20O2	053942-74-8	58
3			5-(2'-HYDROXY-2',6',6'-TRIMETHYL...	238	C15H26O2	069774-17-0	56
4			5-Hydroxy-6-methoxy-4,8-dimethyl...	220	C13H16O3	062192-87-4	53
5			[1aS-(1a.alpha.,7.alpha.,7a.beta...	220	C14H20O2	077346-79-3	52



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_5\Data\05-1210\
 Data File : 5M57796.D
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 Sample : AC51387-004 (5X)
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 ALS Vial : 28 Sample Multiplier: 1

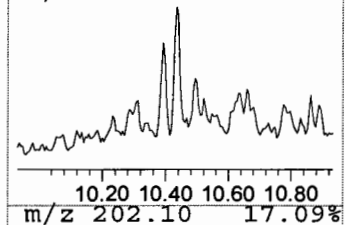
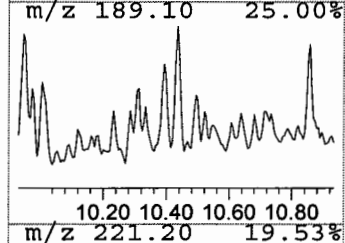
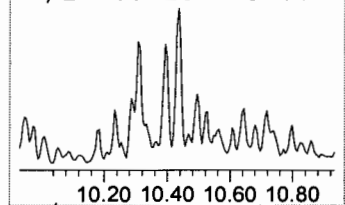
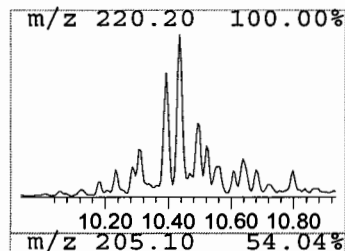
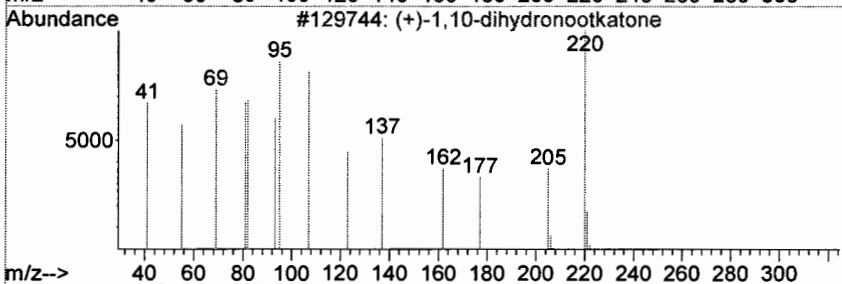
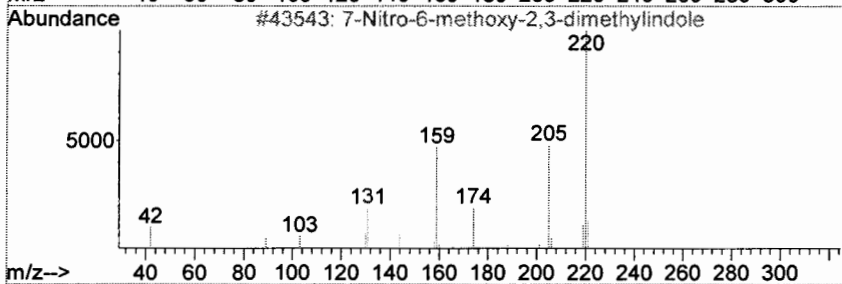
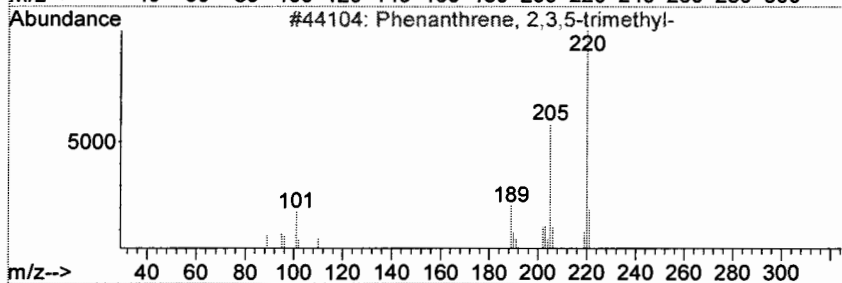
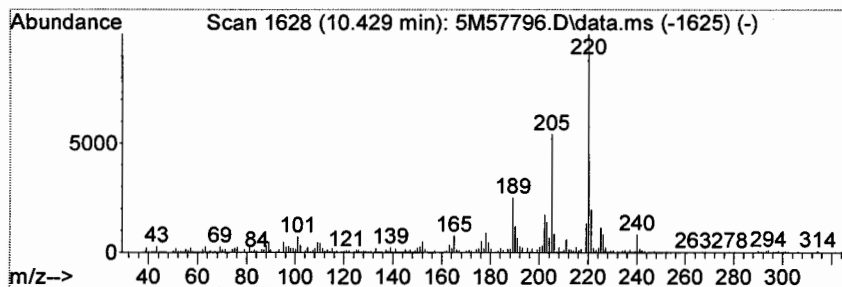
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TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 19 Phenanthrene, 2,3,5-trimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.43	31.75 ng	282247	LibIS-Phenanthrene-d10	8.76

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2,3,5-trimethyl-	220	C17H16	003674-73-5	81
2		7-Nitro-6-methoxy-2,3-dimethylin...	220	C11H12N2O3	068289-71-4	58
3		(+)-1,10-dihydronootkatone	220	C15H24O	086917-84-2	58
4		2,4-BIS(T-BUTYLMETHYLENE)CYCLOBU...	220	C14H20O2	053942-74-8	52
5		7-METHYL-ENDO-6-PHENYLBENZOBICYC...	220	C17H16	000000-00-0	50



Library Search Compound Report

Data Path : G:\GCMSData\2010\GCMS_5\Data\05-1210\
 Data File : 5M57796.D
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 Sample : AC51387-004 (5X)
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 ALS Vial : 28 Sample Multiplier: 1

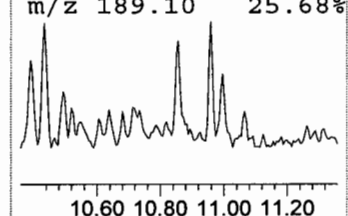
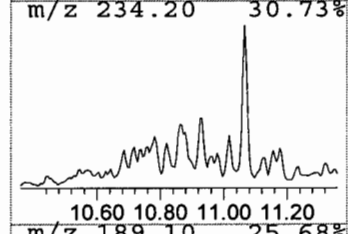
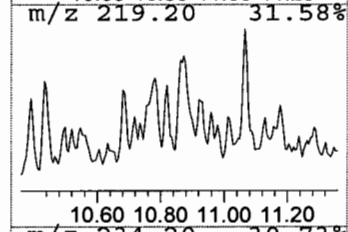
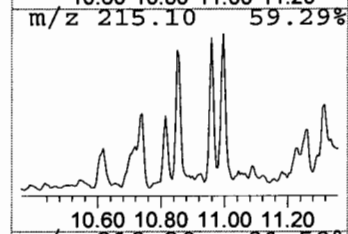
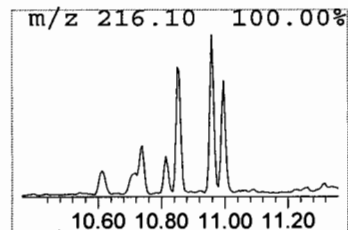
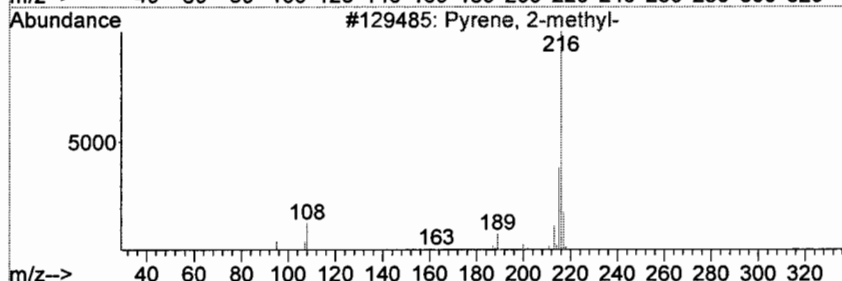
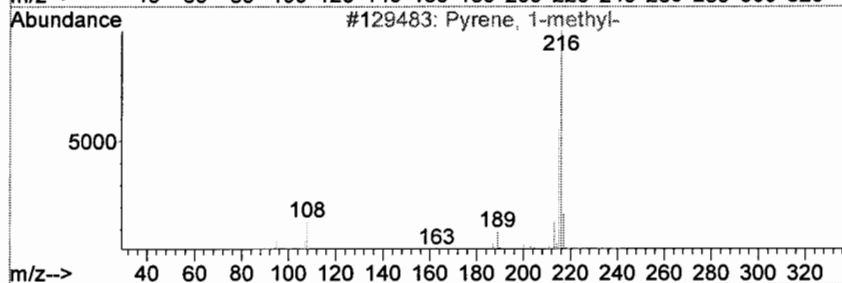
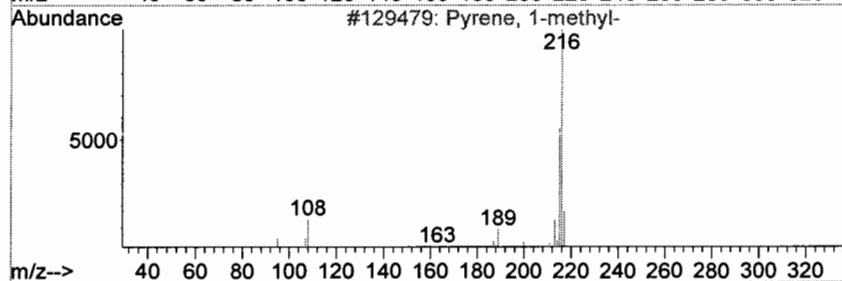
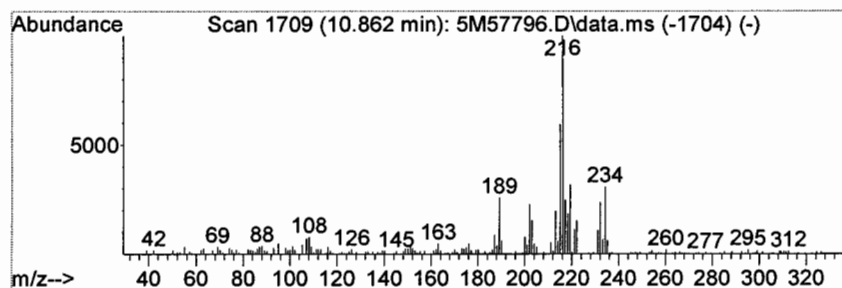
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 Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 20 Pyrene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.86	23.78 ng	211375	LibIS-Phenanthrene-d10	8.76

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2			Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3			Pyrene, 2-methyl-	216	C17H12	003442-78-2	91
4			Pyrene, 2-methyl-	216	C17H12	003442-78-2	91
5			Pyrene, 2-methyl-	216	C17H12	003442-78-2	91



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_5\Data\05-1210\
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 Sample : AC51387-004(5X)
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 ALS Vial : 28 Sample Multiplier: 1

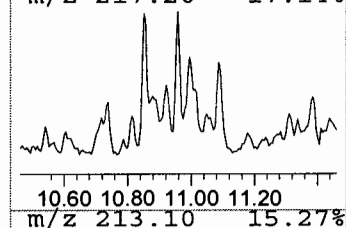
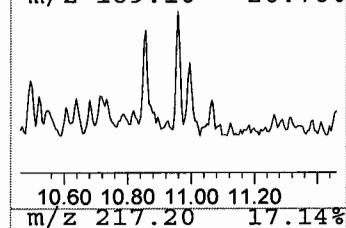
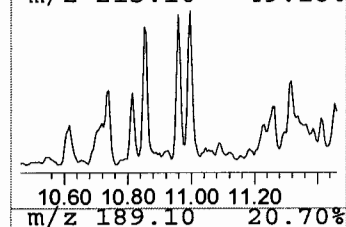
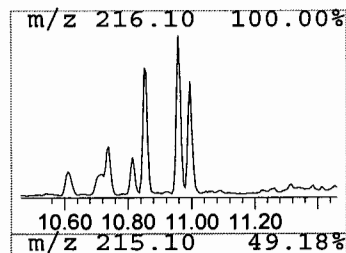
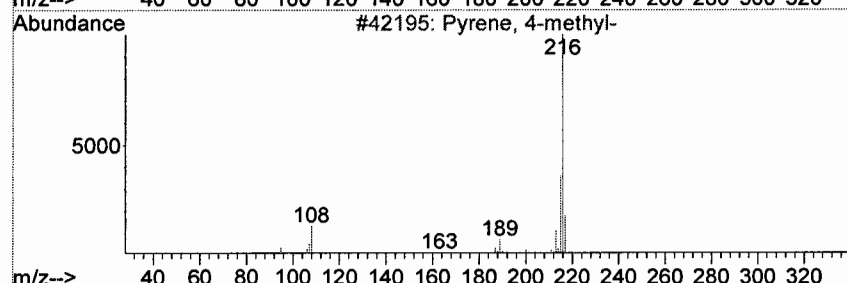
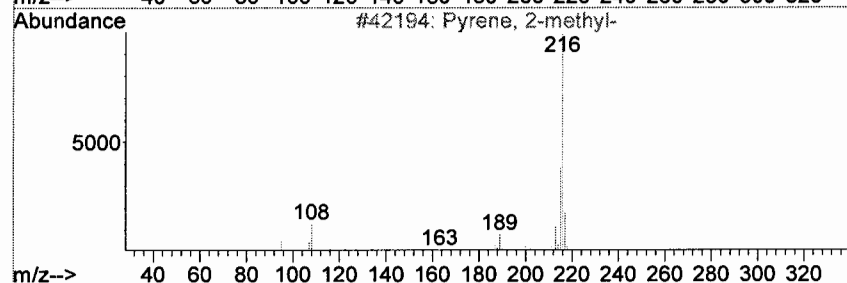
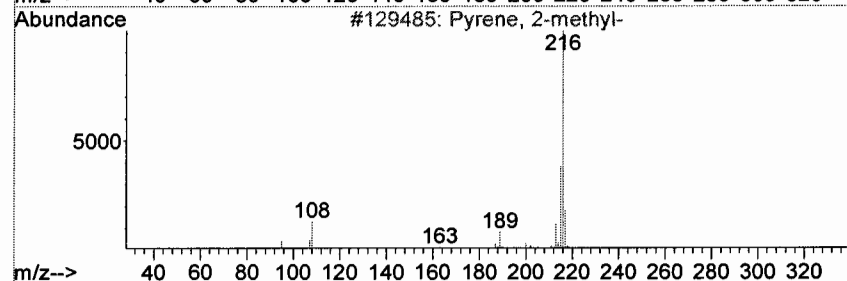
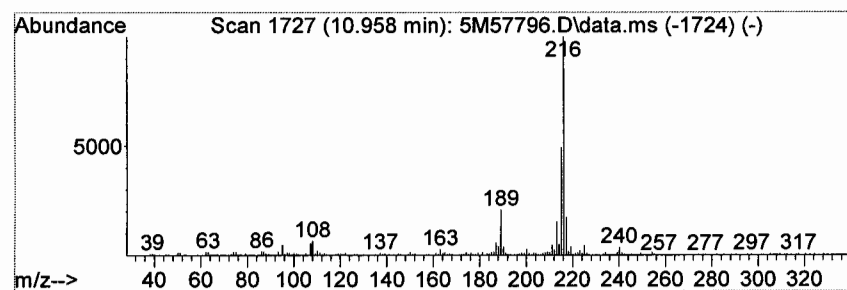
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 Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 21 Pyrene, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.96	17.47 ng	155304	LibIS-Phenanthrene-d10	8.76

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pyrene, 2-methyl-	216	C17H12	003442-78-2	91
2			Pyrene, 2-methyl-	216	C17H12	003442-78-2	91
3			Pyrene, 4-methyl-	216	C17H12	003353-12-6	91
4			Pyrene, 4-methyl-	216	C17H12	003353-12-6	91
5			Pyrene, 1-methyl-	216	C17H12	002381-21-7	91



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_5\Data\05-1210\
 Data File : 5M57796.D
 Acq On : 12 May 2010 23:39
 Operator : AHD
 Sample : AC51387-004 (5X)
 Misc : S,BNA:5
 ALS Vial : 28 Sample Multiplier: 1

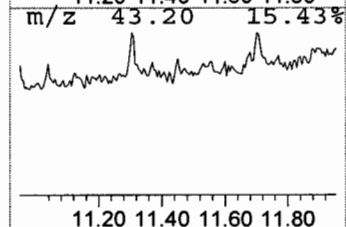
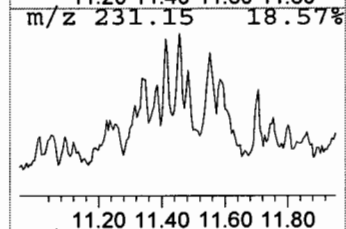
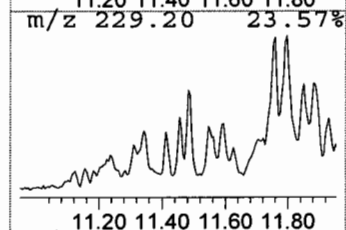
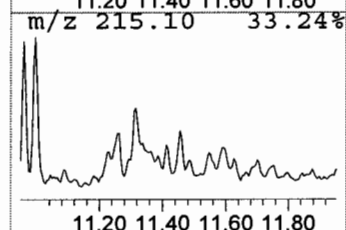
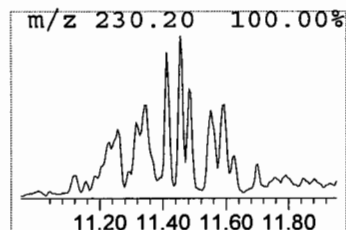
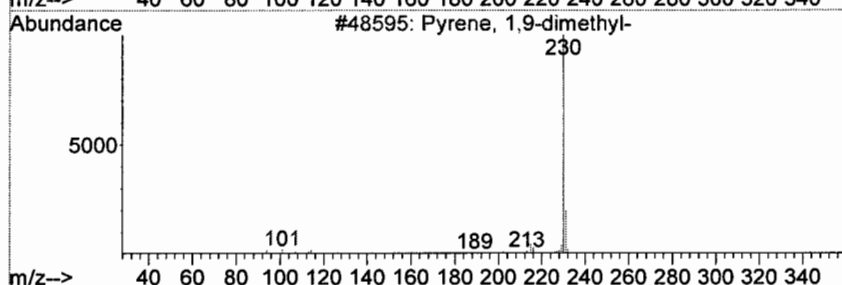
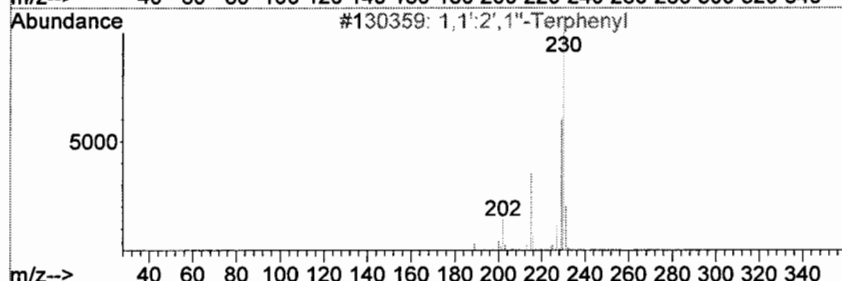
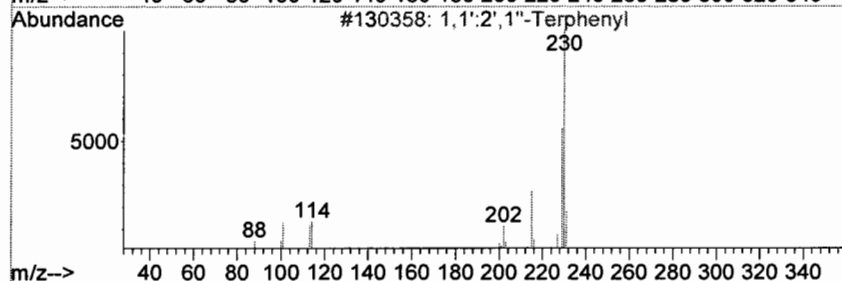
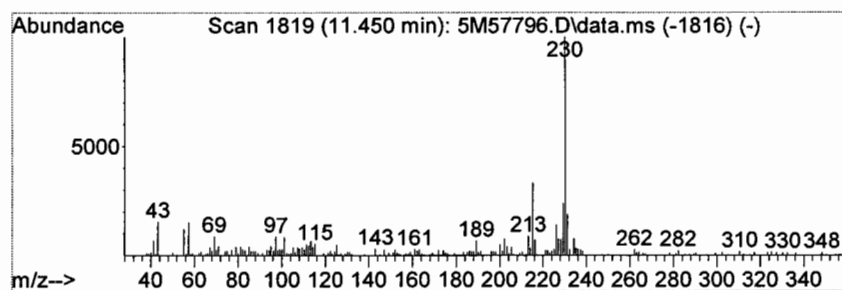
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 Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 22 1,1':2',1''-Terphenyl Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.45	19.42 ng	172661	LibIS-Phenanthrene-d10	8.76

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,1':2',1''-Terphenyl	230	C18H14	000084-15-1	89
2			1,1':2',1''-Terphenyl	230	C18H14	000084-15-1	68
3			Pyrene, 1,9-dimethyl-	230	C18H14	074298-70-7	62
4			Pyrene, 1,3-dimethyl-	230	C18H14	064401-21-4	58
5			1,1':2',1''-Terphenyl	230	C18H14	000084-15-1	58



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_5\Data\05-1210\
 Data File : 5M57796.D
 Acq On : 12 May 2010 23:39
 Operator : AHD
 Sample : AC51387-004 (5X)
 Misc : S,BNA:5
 ALS Vial : 28 Sample Multiplier: 1

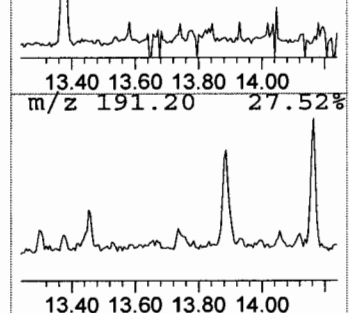
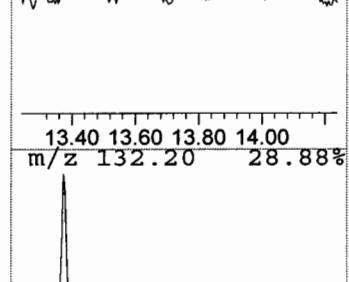
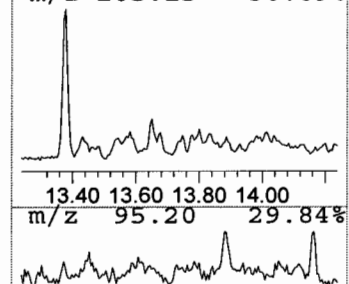
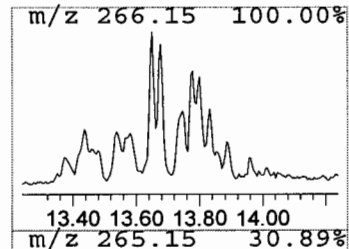
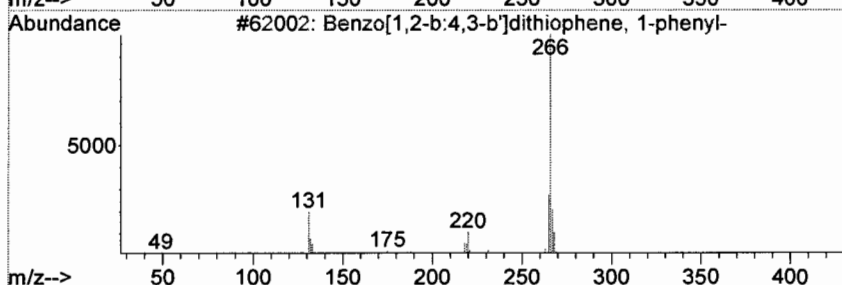
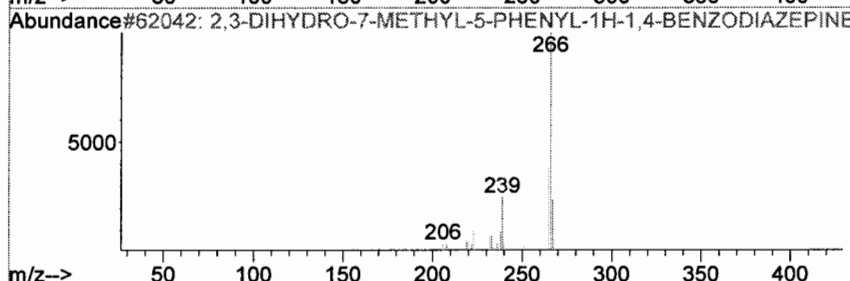
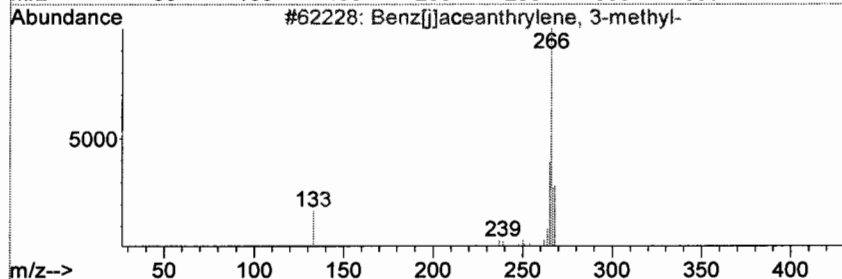
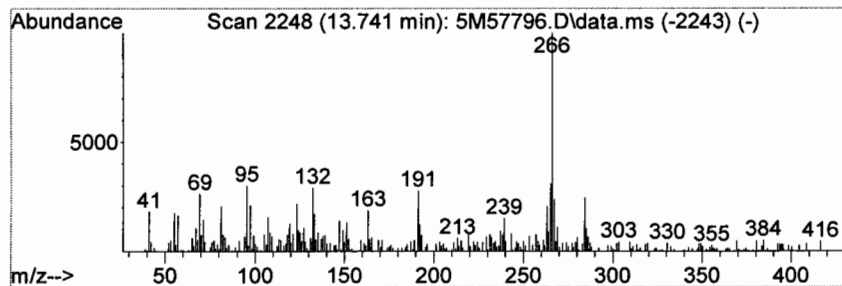
Quant Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0430.M
 Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 23 unknown Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.74	16.23 ng	144258	LibIS-Phenanthrene-d10	8.76

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benz[j]aceanthrylene, 3-methyl-	266	C21H14	003343-10-0	46
2			2,3-DIHYDRO-7-METHYL-5-PHENYL-1H...	266	C16H14N2S	002888-60-0	46
3			Benzo[1,2-b:4,3-b']dithiophene, ...	266	C16H10S2	016587-58-9	45
4			Perylene, 1,2,3,3a,4,5,6,7,8,9,9...	266	C20H26	007594-86-7	38
5			Estra-1,3,5,7,9-pentaen-17-one, ...	266	C18H18O2	000517-09-9	30



Data Path : G:\GcMsData\2010\GCMS_5\Data\05-1210\
 Data File : 5M57796.D
 Acq On : 12 May 2010 23:39
 Operator : AHD
 Sample : AC51387-004(5X)
 Misc : S,BNA:5
 ALS Vial : 28 Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0430.M
 Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	-----Internal Standard-----				
					#	ExpRT	ActRt	Resp	Conc
2-Pentanone, 4-hy...	3.33	1318.7	ng	7244398	1	5.03	5.03	219745	40.0
Naphthalene, 1-me...	6.68	17.4	ng	113008	2	6.07	6.07	259605	40.0
Naphthalene, 2,7-...	7.07	23.2	ng	190459	3	7.40	7.40	327781	40.0
Naphthalene, 1,5-...	7.13	24.3	ng	199025	3	7.40	7.40	327781	40.0
Naphthalene, 1,4,...	7.49	22.5	ng	184384	3	7.40	7.40	327781	40.0
Naphthalene, 1,4,...	7.57	23.6	ng	193734	3	7.40	7.40	327781	40.0
Naphthalene, 1,4,...	7.75	18.2	ng	149152	3	7.40	7.40	327781	40.0
Dibenzothiophene,...	9.11	18.0	ng	160020	4	8.76	8.76	355582	40.0
Anthracene, 2-met...	9.30	27.0	ng	239772	4	8.76	8.76	355582	40.0
Anthracene, 2-met...	9.33	24.1	ng	214607	4	8.76	8.76	355582	40.0
Phenanthrene, 4-m...	9.41	31.6	ng	281184	4	8.76	8.76	355582	40.0
Phenanthrene, 2,3...	9.79	36.6	ng	325377	4	8.76	8.76	355582	40.0
Phenanthrene, 2,7...	9.84	25.7	ng	228278	4	8.76	8.76	355582	40.0
Phenanthrene, 2,5...	9.92	50.7	ng	450833	4	8.76	8.76	355582	40.0
Anthracene, 9,10-...	9.95	23.1	ng	205508	4	8.76	8.76	355582	40.0
Phenanthrene, 2,3...	10.01	16.6	ng	147626	4	8.76	8.76	355582	40.0
Benzene, 1,1'-[(m...	10.15	23.2	ng	206114	4	8.76	8.76	355582	40.0
7-Nitro-6-methoxy...	10.39	18.5	ng	164542	4	8.76	8.76	355582	40.0
Phenanthrene, 2,3...	10.43	31.8	ng	282247	4	8.76	8.76	355582	40.0
Pyrene, 1-methyl-	10.86	23.8	ng	211375	4	8.76	8.76	355582	40.0
Pyrene, 2-methyl-	10.96	17.5	ng	155304	4	8.76	8.76	355582	40.0
1,1':2',1''-Terph...	11.45	19.4	ng	172661	4	8.76	8.76	355582	40.0
unknown	13.74	16.2	ng	144258	4	8.76	8.76	355582	40.0

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AC51387-005

Client Id: PI-01-TP-RAU4DUP42910

Data File: 5M57737.D

Analysis Date: 05/11/10 20:31

Date Rec/Extracted: 05/03/10-05/11/10

Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270C

Matrix: Soil

Initial Vol: 30g

Final Vol: 1ml

Dilution: 1

Solids: 36

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
120-82-1	1,2,4-Trichlorobenzene	0.19	U	191-24-2	Benzo[g,h,i]perylene	0.19	0.65
122-66-7	1,2-Diphenylhydrazine	0.19	U	207-08-9	Benzo[k]fluoranthene	0.19	0.23
95-95-4	2,4,5-Trichlorophenol	0.19	U	65-85-0	Benzoic Acid	0.93	U
88-06-2	2,4,6-Trichlorophenol	0.19	U	111-91-1	bis(2-Chloroethoxy)methan	0.19	U
120-83-2	2,4-Dichlorophenol	0.19	U	111-44-4	bis(2-Chloroethyl)ether	0.19	U
105-67-9	2,4-Dimethylphenol	0.19	U	108-60-1	bis(2-chloroisopropyl)ether	0.19	U
51-28-5	2,4-Dinitrophenol	0.93	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.19	U
121-14-2	2,4-Dinitrotoluene	0.19	U	85-68-7	Butylbenzylphthalate	0.19	U
606-20-2	2,6-Dinitrotoluene	0.19	U	86-74-8	Carbazole	0.19	0.44
91-58-7	2-Chloronaphthalene	0.19	U	218-01-9	Chrysene	0.19	1.4
95-57-8	2-Chlorophenol	0.19	U	53-70-3	Dibenzo[a,h]anthracene	0.19	U
91-57-6	2-Methylnaphthalene	0.19	2.1	132-64-9	Dibenzofuran	0.19	0.54
95-48-7	2-Methylphenol	0.19	U	84-66-2	Diethylphthalate	0.19	U
88-74-4	2-Nitroaniline	0.19	U	131-11-3	Dimethylphthalate	0.19	U
88-75-5	2-Nitrophenol	0.19	U	84-74-2	Di-n-butylphthalate	0.19	U
106-44-5	3&4-Methylphenol	0.19	U	117-84-0	Di-n-octylphthalate	0.19	U
91-94-1	3,3'-Dichlorobenzidine	0.19	U	206-44-0	Fluoranthene	0.19	3.3
99-09-2	3-Nitroaniline	0.19	U	86-73-7	Fluorene	0.19	1.0
534-52-1	4,6-Dinitro-2-methylphenol	0.93	U	118-74-1	Hexachlorobenzene	0.19	U
101-55-3	4-Bromophenyl-phenylether	0.19	U	87-68-3	Hexachlorobutadiene	0.19	U
59-50-7	4-Chloro-3-methylphenol	0.19	U	77-47-4	Hexachlorocyclopentadiene	0.93	U
106-47-8	4-Chloroaniline	0.19	U	67-72-1	Hexachloroethane	0.19	U
7005-72-3	4-Chlorophenyl-phenylether	0.19	U	193-39-5	Indeno[1,2,3-cd]pyrene	0.19	0.57
100-01-6	4-Nitroaniline	0.19	U	78-59-1	Isophorone	0.19	U
100-02-7	4-Nitrophenol	0.19	U	91-20-3	Naphthalene	0.19	6.0
83-32-9	Acenaphthene	0.19	0.74	98-95-3	Nitrobenzene	0.19	U
208-96-8	Acenaphthylene	0.19	U	62-75-9	N-Nitrosodimethylamine	0.19	U
62-53-3	Aniline	0.19	U	621-64-7	N-Nitroso-di-n-propylamine	0.19	U
120-12-7	Anthracene	0.19	0.95	86-30-6	n-Nitrosodiphenylamine	0.19	U
92-87-5	Benzidine	0.93	U	87-86-5	Pentachlorophenol	0.93	U
56-55-3	Benzo[a]anthracene	0.19	1.1	85-01-8	Phenanthrene	0.19	6.7
50-32-8	Benzo[a]pyrene	0.19	0.57	108-95-2	Phenol	0.19	U
205-99-2	Benzo[b]fluoranthene	0.19	1.0	129-00-0	Pyrene	0.19	2.9

Worksheet #: 151474

Total Target Concentration 30

ColumnID: (^) Indicates results from 2nd column

*U - Indicates the compound was analyzed but not detected.**B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.**R - Retention Time Out**J - Indicates an estimated value when a compound is detected at less than the specified detection limit.**d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.*

Form1eORGANICS SEMIVOLATILE REPORT
Tentatively Identified Compounds

Sample Number: AC51387-005	Matrix: Soil
Client Id: PI-01-TP-RAU4DUP429	Initial Vol: 30g
Data File: 5M57737.D	Final Vol: 1ml
Analysis Date: 05/11/10 20:31	Dilution: 1
Date Rec/Extracted: 05/03/10-05/11/10	Solids: 36
	Method: EPA 8270C

Units: mg/Kg

	Cas #	Compound	RT	Conc
1	123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.49	590 JAY
2	57-10-3	Hexadecanoic acid	9.55	26 J
3		unknown	9.88	25 J
4	629-97-0	Docosane	11.79	27 J
5	629-78-7	Heptadecane	12.18	23 J
6	638-36-8	Hexadecane, 2,6,10,14-tetramethyl-	12.56	24 J
7		unknown	13.17	43 J
8		unknown	13.22	37 J
9	629-99-2	Pentacosane	13.28	36 J
10		unknown	13.83	38 J
11		unknown	14.04	39 J
12	6079-19-2	Cholestane, 4,5-epoxy-, (4.alpha.,5.alph	14.15	23 J
13		unknown	14.77	110 J
14	19206-58-7	4H-Naphtho[2,3-b]pyran-4,6,9-trione, 5,	14.92	100 J
15		unknown	14.95	48 J
16		unknown	15.00	22 J
17	127-22-0	Alnulin	15.10	110 J
18	83-46-5	5.ALPHA.-STIGMAST-3-ONE	15.15	25 J
19	22611-26-3	D:C-Friedoolean-8-en-3-one	15.22	44 J
20		unknown	15.43	59 J

Worksheet #: 151474

Total Tentatively Identified Concentration 1400*A - Indicates an aldol condensate.**J - Indicates an estimated value.**B - Indicates the analyte was found in the blank as well as in the sample.**Y - Indicates the analyte was found in the blank at <10% of the concentration of the sample.**<10% - Indicates the analyte was found in the blank at < 10% of nearest Internal Standard*

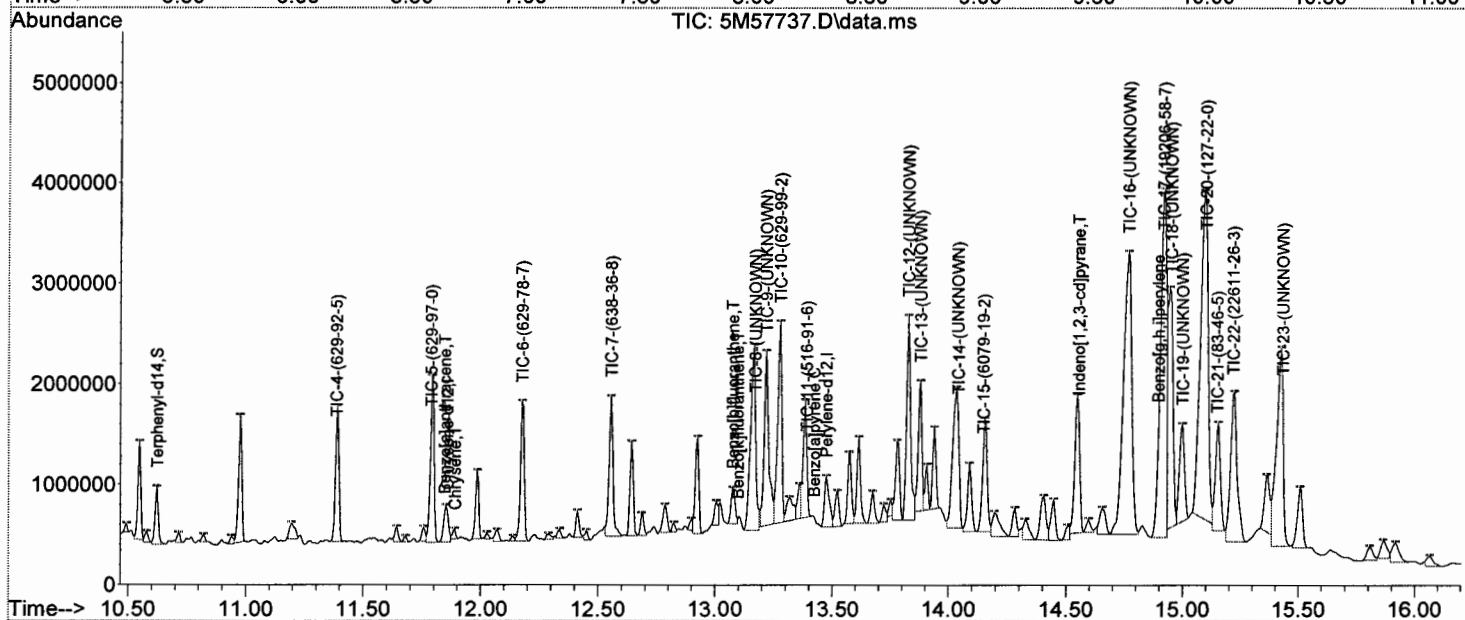
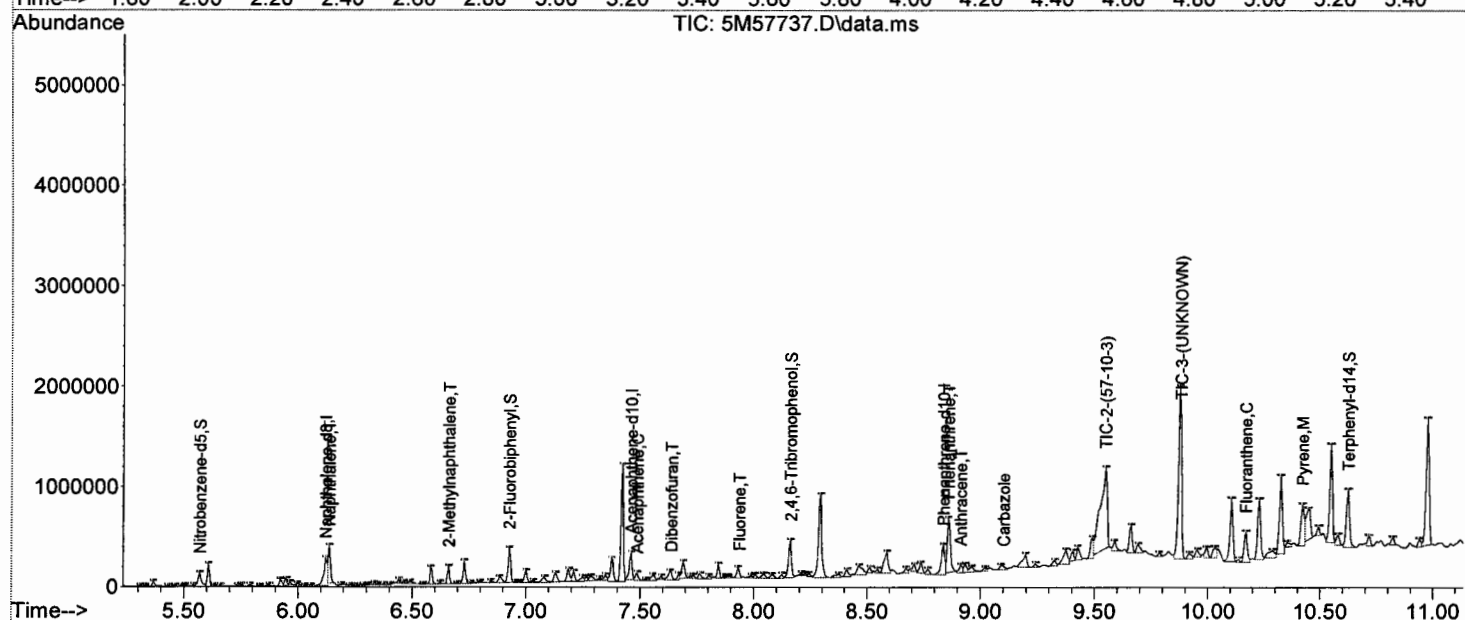
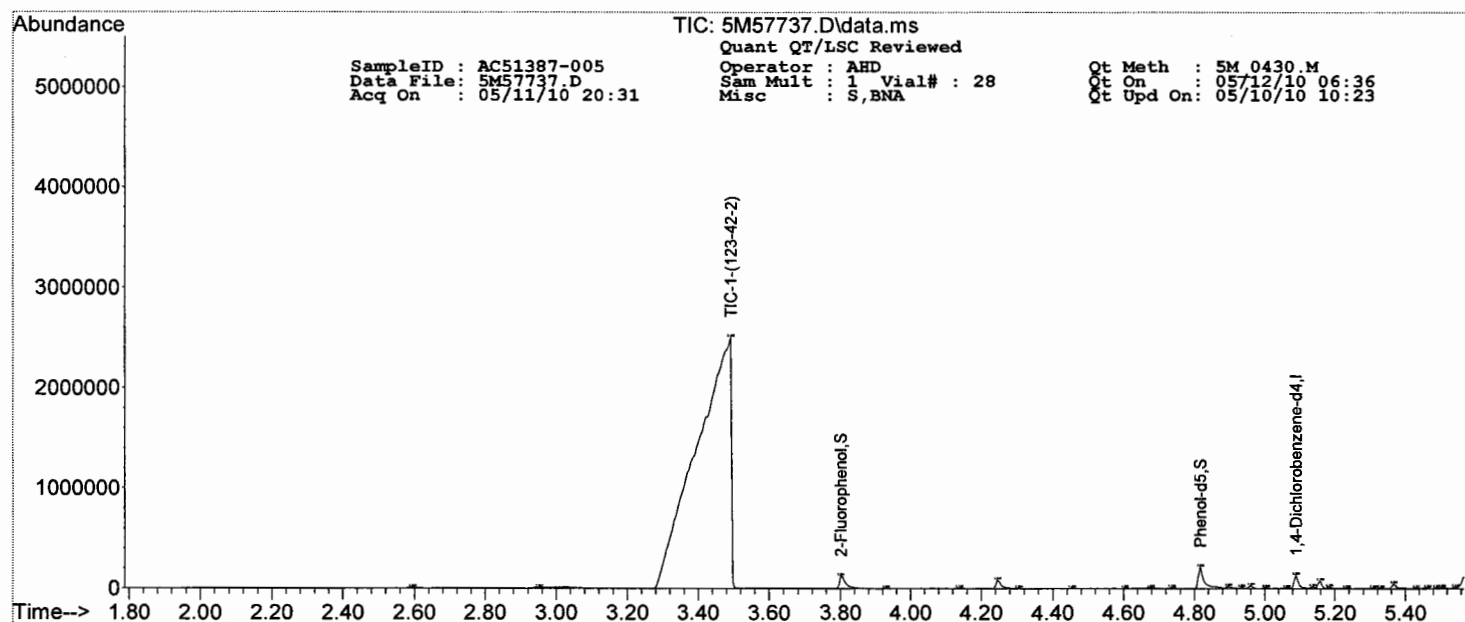
Quantitation Report (QT/LSC Reviewed)

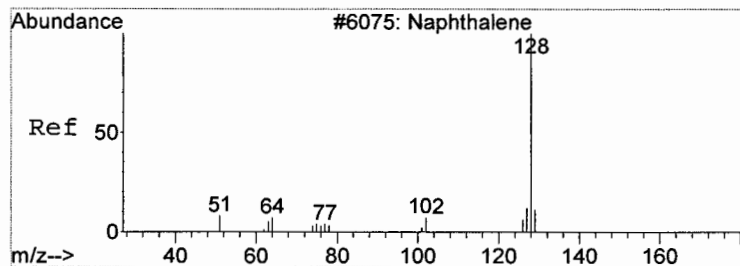
SampleID : AC51387-005 Operator : AHD Qt Meth : 5M_0430.M
 Data File: 5M57737.D Sam Mult : 1 Vial# : 28 Qt On : 05/12/10 06:36
 Acq On : 05/11/10 20:31 Misc : S,BNA Qt Upd On: 05/10/10 10:23

Data Path : G:\GcMsData\2010\GCMS_5\Data\05-1110\
 Qt Path : G:\GCMSDATA\2010\GCMS_5\METHODQT\
 Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.089	152	13799	40.00	ng	-0.17
29) Naphthalene-d8	6.120	136	66339	40.00	ng	-0.17
47) Acenaphthene-d10	7.461	164	39819	40.00	ng	-0.18
73) Phenanthrene-d10	8.839	188	80228	40.00	ng	-0.20
87) Chrysene-d12	11.858	240	91571	40.00	ng	-0.21
102) Perylene-d12	13.476	264	100428	40.00	ng	-0.19
System Monitoring Compounds						
10) 2-Fluorophenol	3.801	112	33625	79.29	ng	-0.20
Spiked Amount	100.000		Recovery	=	79.29%	
15) Phenol-d5	4.816	99	63156	102.35	ng	-0.16
Spiked Amount	100.000		Recovery	=	102.35%	
30) Nitrobenzene-d5	5.570	128	12392	46.71	ng	-0.16
Spiked Amount	50.000		Recovery	=	93.42%	
52) 2-Fluorobiphenyl	6.927	172	66536	48.89	ng	-0.17
Spiked Amount	50.000		Recovery	=	97.78%	
76) 2,4,6-Tribromophenol	8.161	330	20618	114.72	ng	-0.19
Spiked Amount	100.000		Recovery	=	114.72%	
90) Terphenyl-d14	10.624	244	122456	48.89	ng	-0.20
Spiked Amount	50.000		Recovery	=	97.78%	
Target Compounds						
					Qvalue	
39) Naphthalene	6.136	128	115545	64.40	ng	98
44) 2-Methylnaphthalene	6.660	142	29082	22.56	ng	97
61) Acenaphthene	7.488	153	9673	8.01	ng	90
64) Dibenzofuran	7.637	168	10394	5.83	ng	93
68) Fluorene	7.936	166	17291	11.24	ng	100
82) Phenanthrene	8.861	178	170000	72.03	ng	99
83) Anthracene	8.914	178	24275	10.25	ng	98
84) Carbazole	9.101	167	10239	4.76	ng	94
86) Fluoranthene	10.169	202	102465	36.17	ng	78
88) Pyrene	10.421	202	114005	30.89	ng	76
99) Benzo[a]anthracene	11.847	228	41854	12.07	ng	92
100) Chrysene	11.890	228	45149	14.75	ng	99
104) Benzo[b]fluoranthene	13.076	252	40894m	11.25	ng	
105) Benzo[k]fluoranthene	13.097	252	8650m	2.51	ng	
106) Benzo[a]pyrene	13.423	252	20486	6.16	ng	84
107) Indeno[1,2,3-cd]pyrene	14.555	276	16505	6.15	ng	87
109) Benzo[g,h,i]perylene	14.897	276	18437m	7.06	ng	
Library Search Internal Standards TIC Results						
1) 1,4-Dichlorobenzene-d4	5.089		104785	40.00	ng	--
2) Acenaphthene-d10	7.461		196795	40.00	ng	--
3) Phenanthrene-d10	8.839		243932m	40.00	ng	--
Library Search Compounds						
1) 123-42-2	3.490		16770768	6401.97	ng	50
2) 57-10-3	9.550		1709943	280.40	ng	96
3) UNKNOWN	9.880		1637793	268.57	ng	--
4) 629-92-5	11.390		1325552	217.36	ng	97
5) 629-97-0	11.790		1803947	295.81	ng	97
6) 629-78-7	12.180		1505205	246.82	ng	96
7) 638-36-8	12.560		1590562	260.82	ng	95
8) UNKNOWN	13.170		2823192	462.95	ng	--
9) UNKNOWN	13.220		2424983	397.65	ng	--
10) 629-99-2	13.280		2364327	387.70	ng	99
11) 516-91-6	13.390		1245190	204.19	ng	72
12) UNKNOWN	13.830		2517583	412.83	ng	--
13) UNKNOWN	13.880		1448345	237.50	ng	--
14) UNKNOWN	14.040		2546315	417.55	ng	--
15) 6079-19-2	14.150		1517188	248.79	ng	55
16) UNKNOWN	14.770		6980795	1144.71	ng	--
17) 19206-58-7	14.920		6881011	1128.35	ng	90
18) UNKNOWN	14.950		3153751	517.15	ng	--
19) UNKNOWN	15.000		1467633	240.66	ng	--
20) 127-22-0	15.100		7561588	1239.95	ng	64
21) 83-46-5	15.150		1616621	265.09	ng	70
22) 22611-26-3	15.220		2884697	473.03	ng	64
23) UNKNOWN	15.430		3865741	633.90	ng	--

(#) = qualifier out of range (m) = manual integration (+) = signals summed





#39

Naphthalene

Concen: 64.40 ng

RT: 6.136 min Scan# 815

Delta R.T. -0.166 min

Lab File: 5M57737.D

Acq: 11 May 2010 20:31

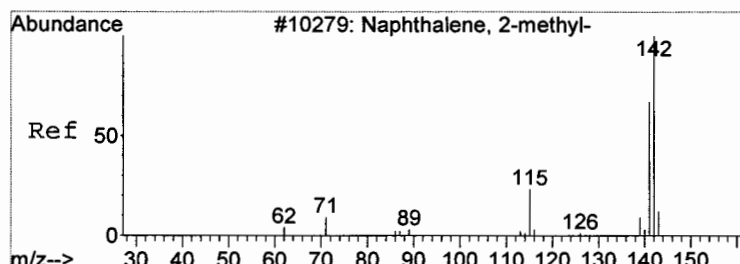
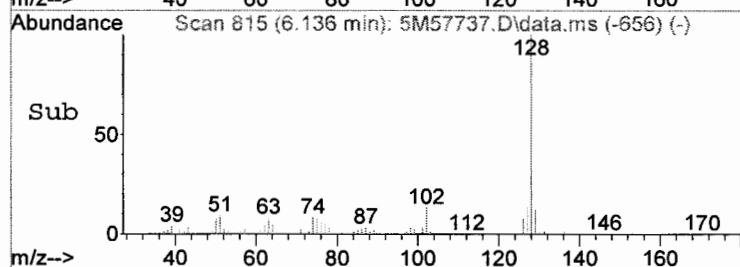
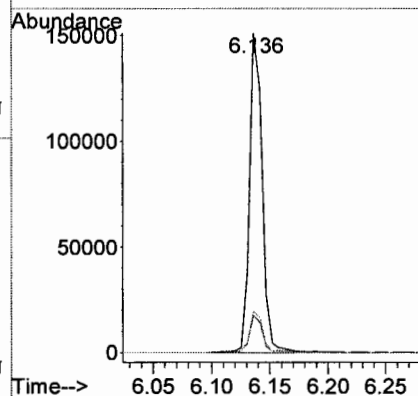
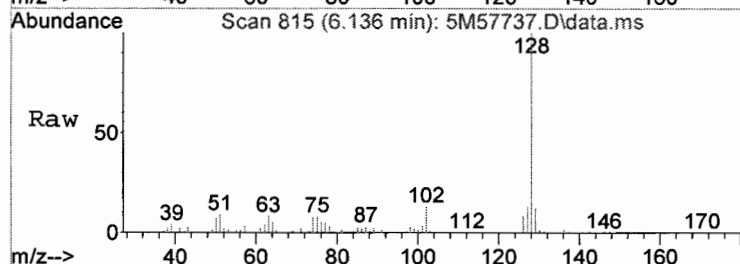
Tgt Ion:128 Resp: 115545

Ion Ratio Lower Upper

128 100

129 11.8 0.0 50.9

127 12.9 0.0 52.4



#44

2-Methylnaphthalene

Concen: 22.56 ng

RT: 6.660 min Scan# 913

Delta R.T. -0.161 min

Lab File: 5M57737.D

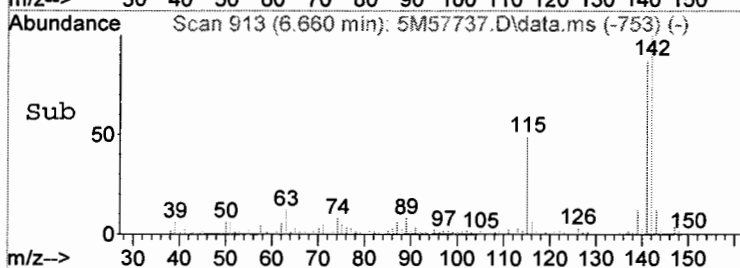
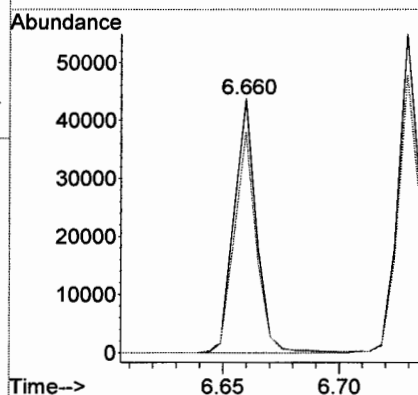
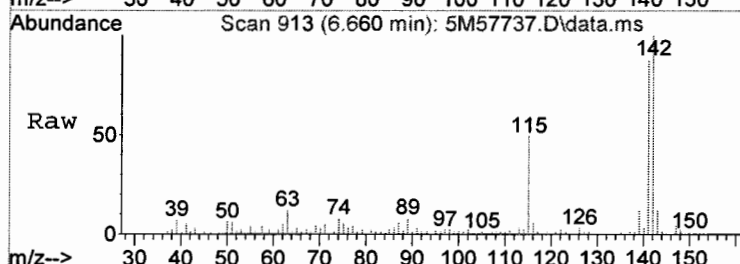
Acq: 11 May 2010 20:31

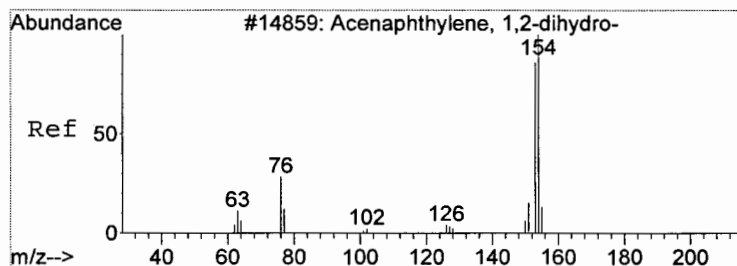
Tgt Ion:142 Resp: 29082

Ion Ratio Lower Upper

142 100

141 86.9 44.6 124.6





#61

Acenaphthene

Concen: 8.01 ng

RT: 7.488 min Scan# 1068

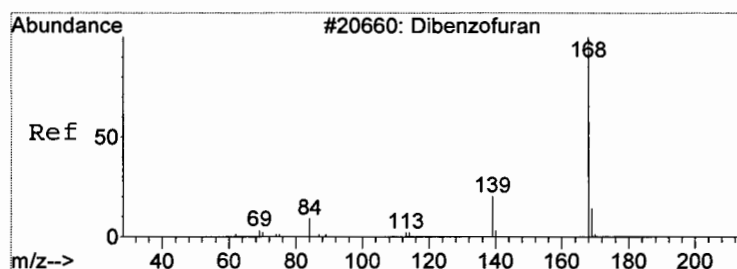
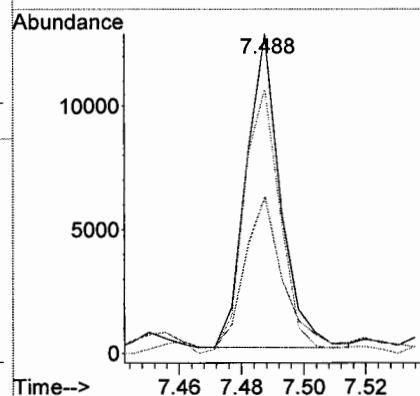
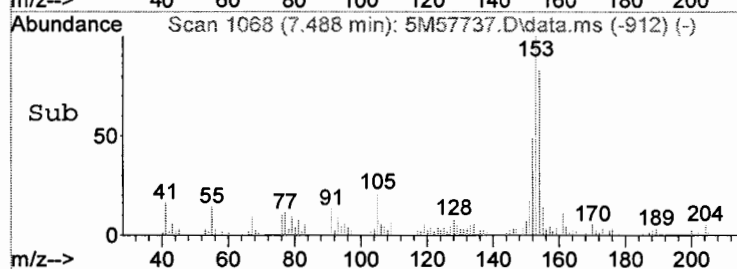
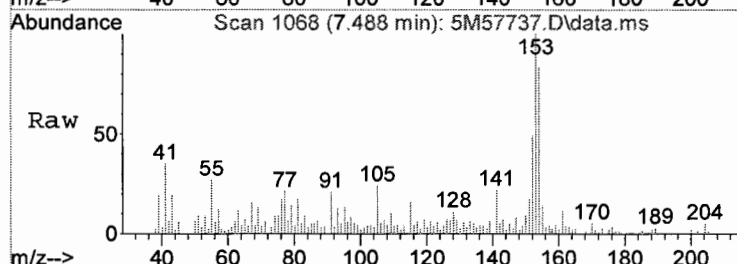
Delta R.T. -0.182 min

Lab File: 5M57737.D

Acq: 11 May 2010 20:31

Tgt Ion: 153 Resp: 9673

Ion	Ratio	Lower	Upper
153	100		
152	47.9	10.0	90.0
154	84.3	57.5	137.5



#64

Dibenzofuran

Concen: 5.83 ng

RT: 7.637 min Scan# 1096

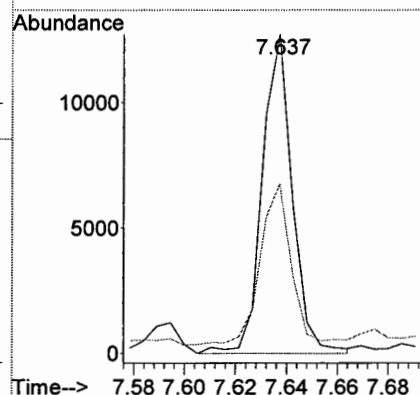
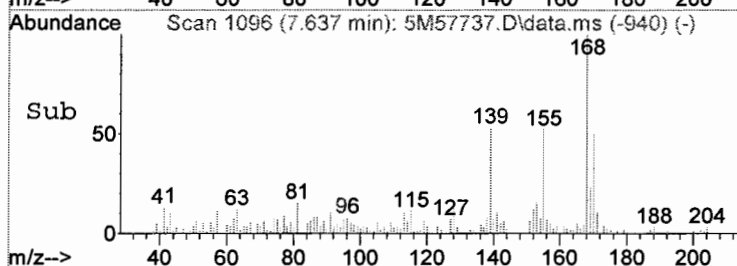
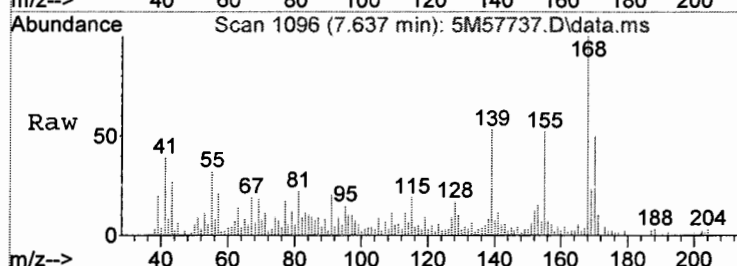
Delta R.T. -0.182 min

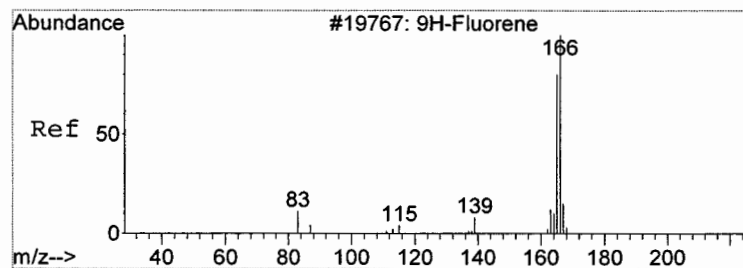
Lab File: 5M57737.D

Acq: 11 May 2010 20:31

Tgt Ion: 168 Resp: 10394

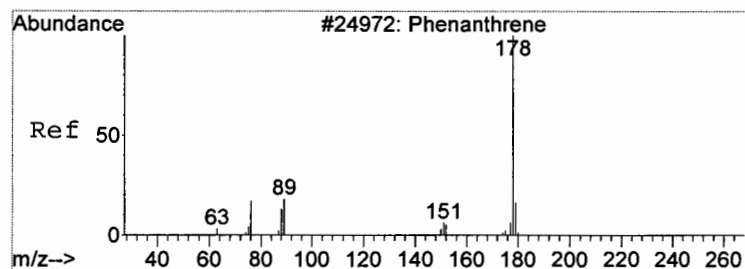
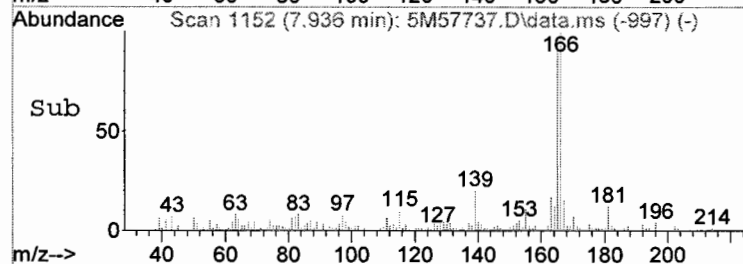
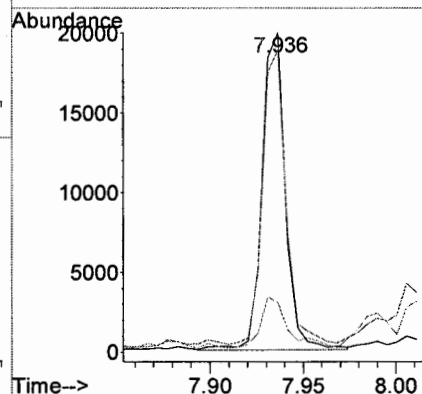
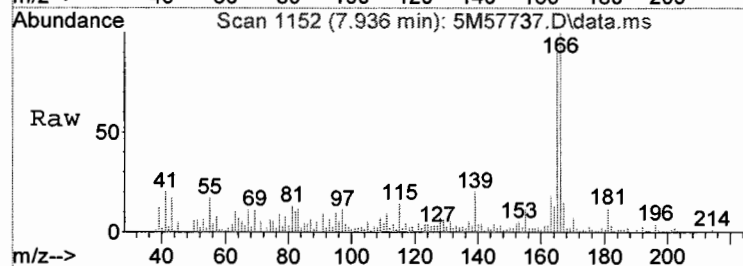
Ion	Ratio	Lower	Upper
168	100		
139	50.4	0.0	246.0





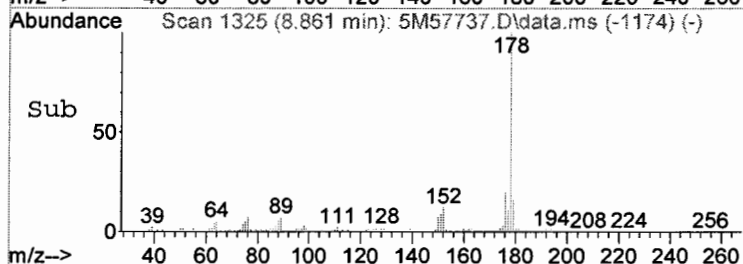
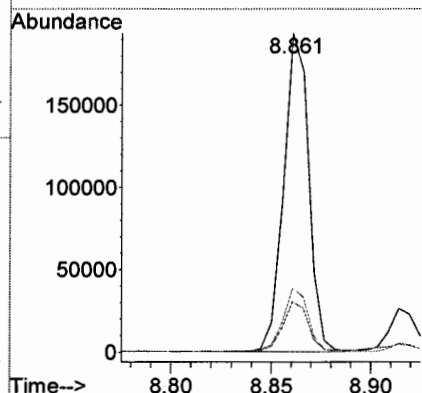
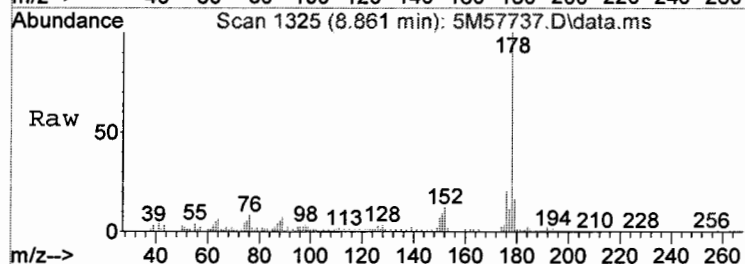
#68
Fluorene
Concen: 11.24 ng
RT: 7.936 min Scan# 1152
Delta R.T. -0.187 min
Lab File: 5M57737.D
Acq: 11 May 2010 20:31

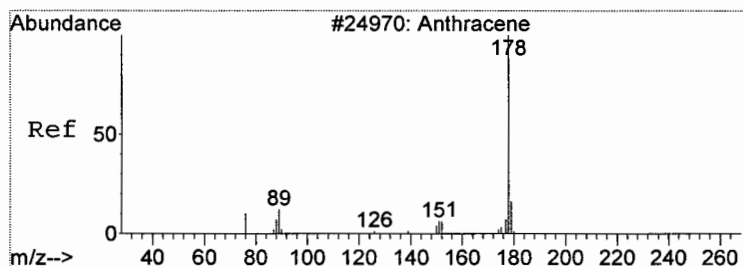
Tgt Ion:166 Resp: 17291
Ion Ratio Lower Upper
166 100
165 92.6 0.0 292.6
167 14.2 0.0 213.2



#82
Phenanthrene
Concen: 72.03 ng
RT: 8.861 min Scan# 1325
Delta R.T. -0.209 min
Lab File: 5M57737.D
Acq: 11 May 2010 20:31

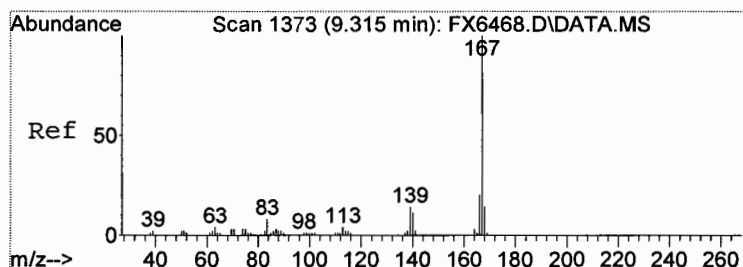
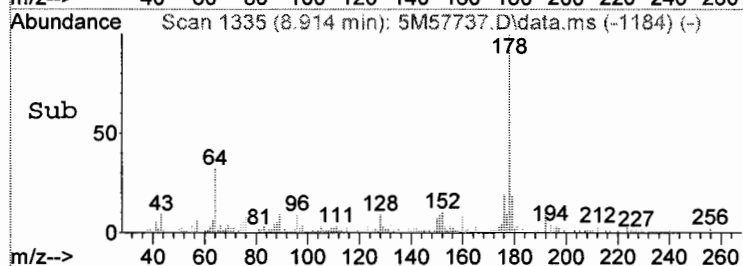
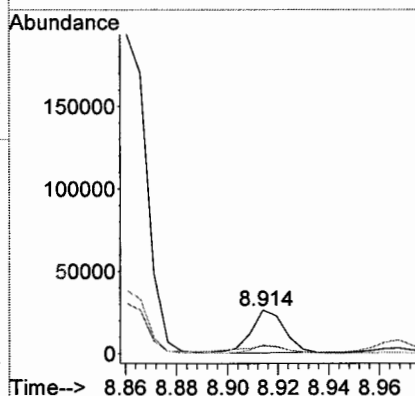
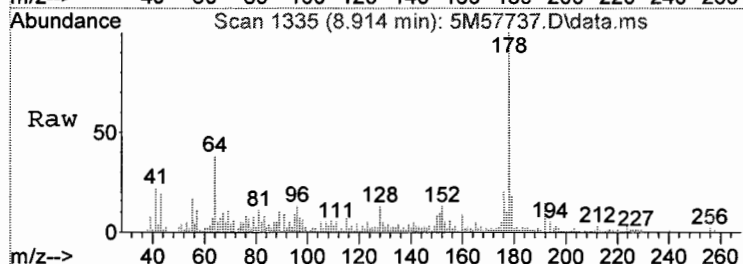
Tgt Ion:178 Resp: 170000
Ion Ratio Lower Upper
178 100
179 15.5 0.0 55.5
176 19.8 0.0 59.3





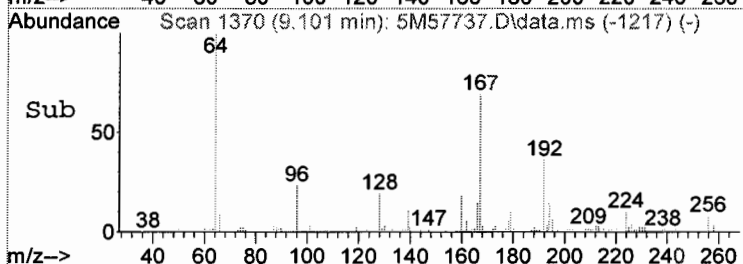
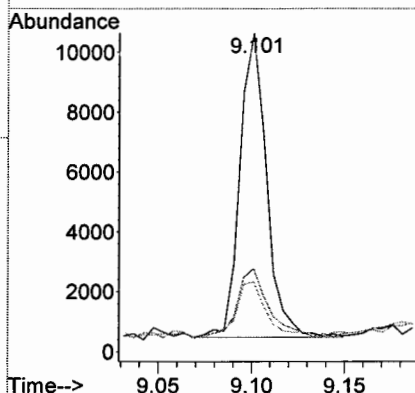
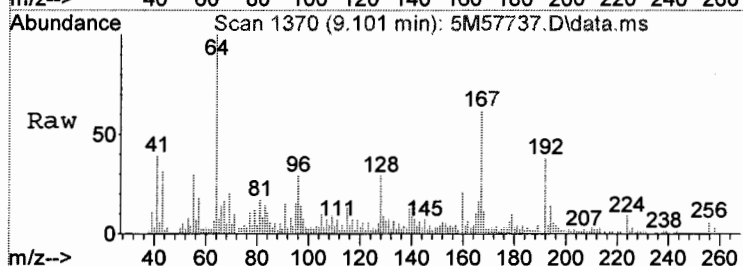
#83
 Anthracene
 Concen: 10.25 ng
 RT: 8.914 min Scan# 1335
 Delta R.T. -0.209 min
 Lab File: 5M57737.D
 Acq: 11 May 2010 20:31

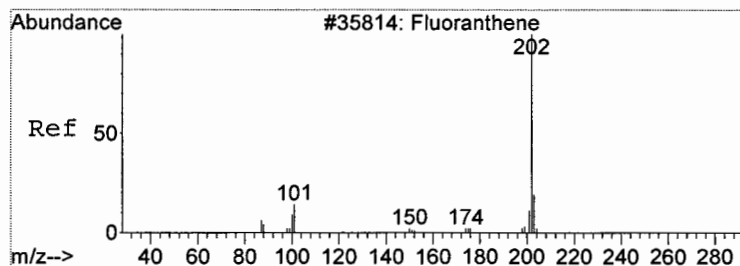
Tgt Ion	Ratio	Lower	Upper
178	100		
179	14.4	0.0	55.2
176	19.3	0.0	58.1



#84
 Carbazole
 Concen: 4.76 ng
 RT: 9.101 min Scan# 1370
 Delta R.T. -0.198 min
 Lab File: 5M57737.D
 Acq: 11 May 2010 20:31

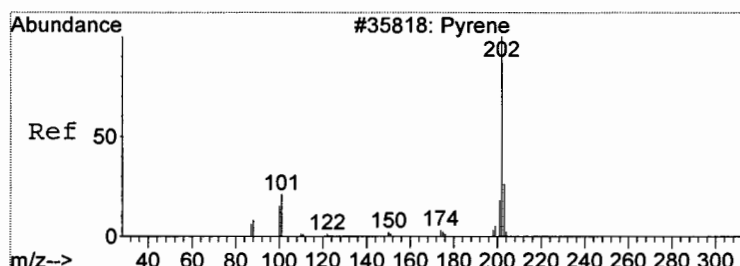
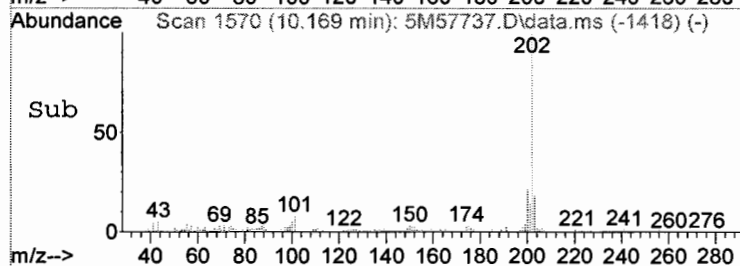
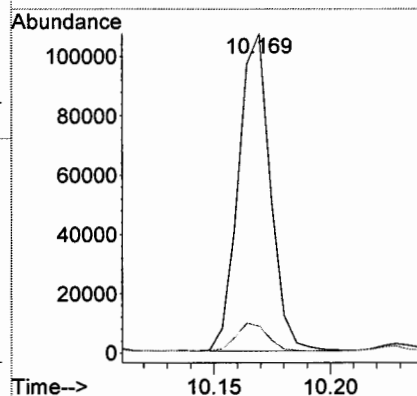
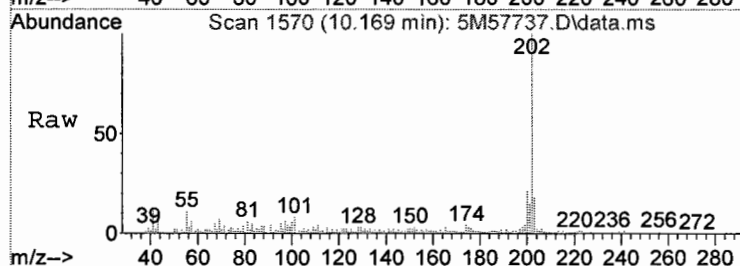
Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.8	0.2	40.2
139	18.2	0.0	35.0





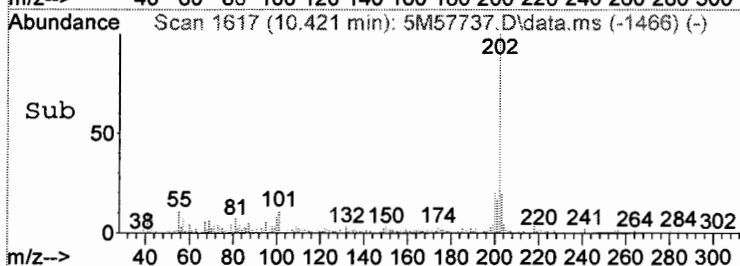
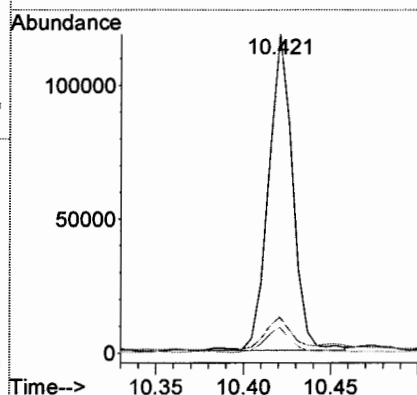
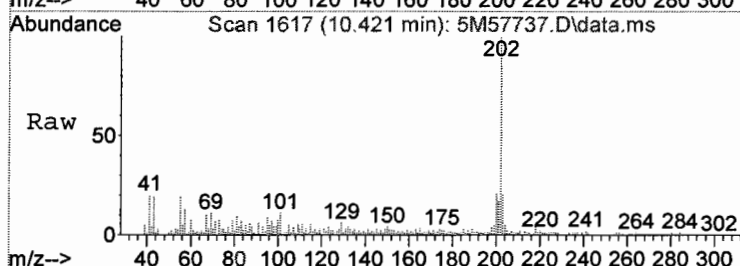
#86
Fluoranthene
Concen: 36.17 ng
RT: 10.169 min Scan# 1570
Delta R.T. -0.203 min
Lab File: 5M57737.D
Acq: 11 May 2010 20:31

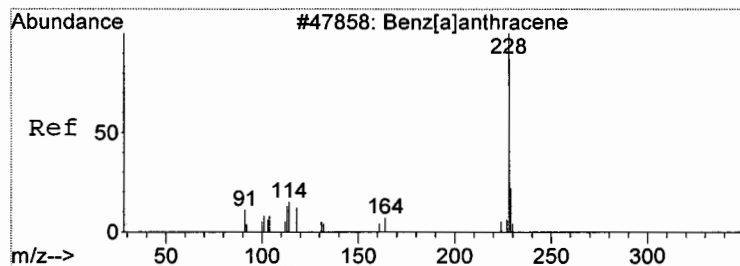
Tgt Ion: 202 Resp: 102465
Ion Ratio Lower Upper
202 100
101 7.8 0.0 57.6



#88
Pyrene
Concen: 30.89 ng
RT: 10.421 min Scan# 1617
Delta R.T. -0.209 min
Lab File: 5M57737.D
Acq: 11 May 2010 20:31

Tgt Ion: 202 Resp: 114005
Ion Ratio Lower Upper
202 100
101 10.3 0.0 62.2
100 7.7 0.0 57.8





#99

Benzo[a]anthracene

Concen: 12.07 ng

RT: 11.847 min Scan# 1884

Delta R.T. -0.203 min

Lab File: 5M57737.D

Acq: 11 May 2010 20:31

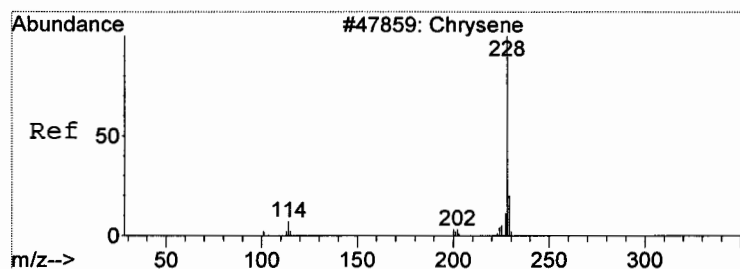
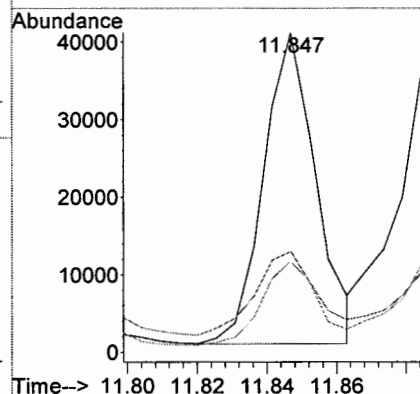
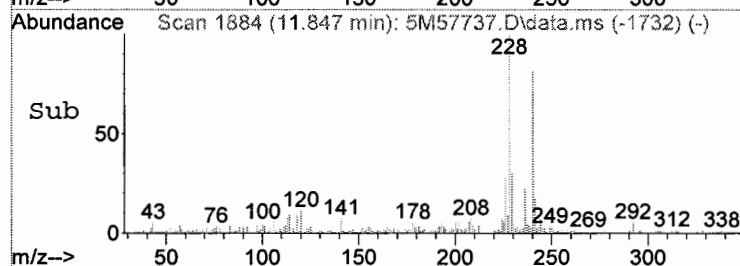
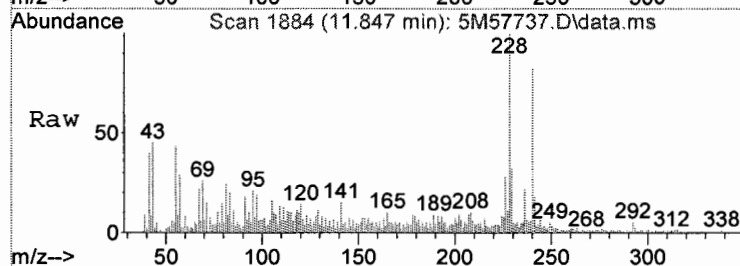
Tgt Ion: 228 Resp: 41854

Ion Ratio Lower Upper

228 100

229 26.9 0.0 59.5

226 27.0 0.0 66.0



#100

Chrysene

Concen: 14.75 ng

RT: 11.890 min Scan# 1892

Delta R.T. -0.209 min

Lab File: 5M57737.D

Acq: 11 May 2010 20:31

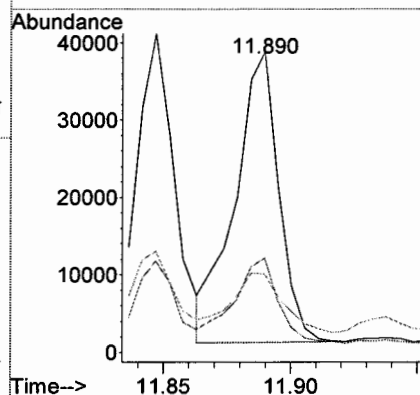
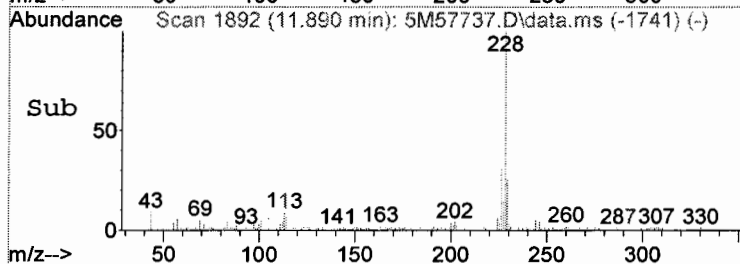
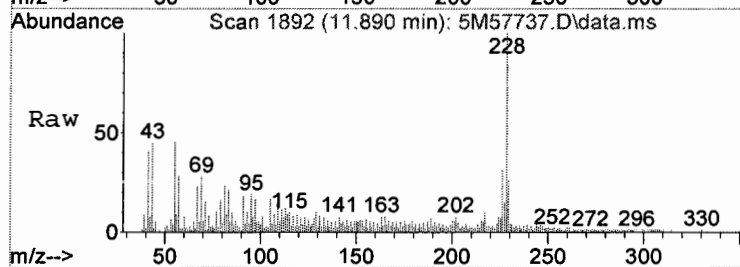
Tgt Ion: 228 Resp: 45149

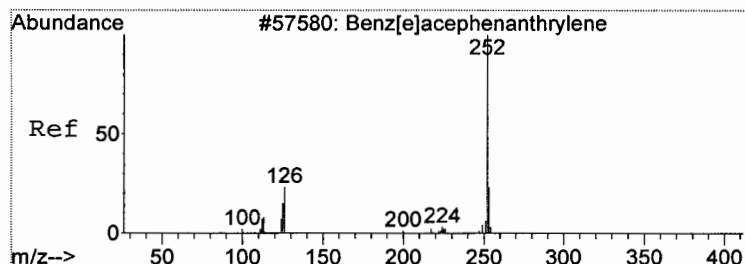
Ion Ratio Lower Upper

228 100

226 29.3 9.5 49.5

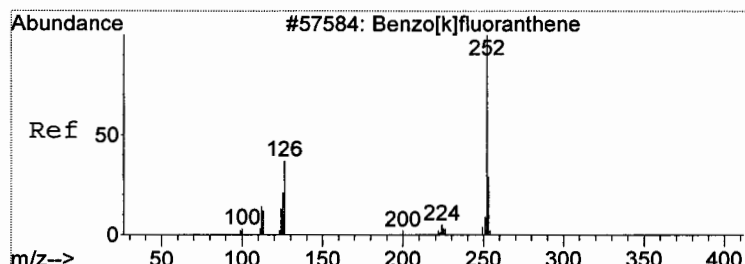
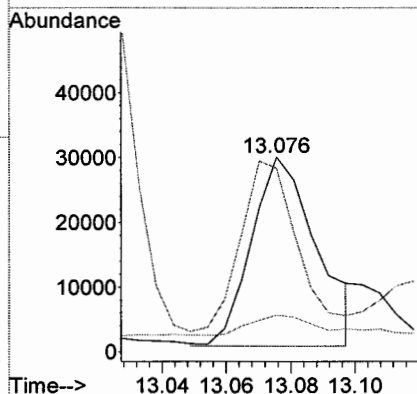
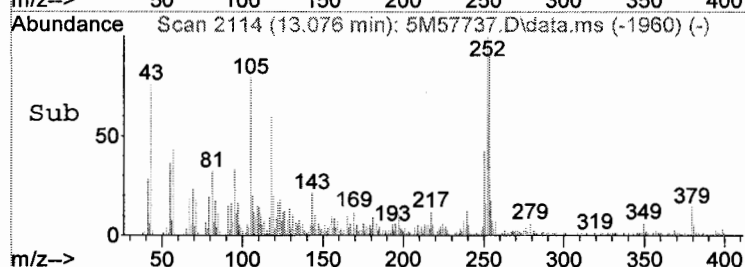
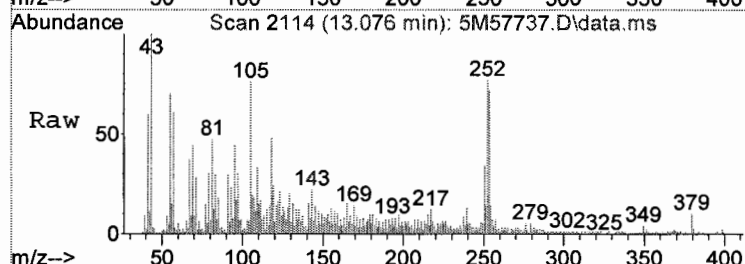
229 19.6 0.0 60.2





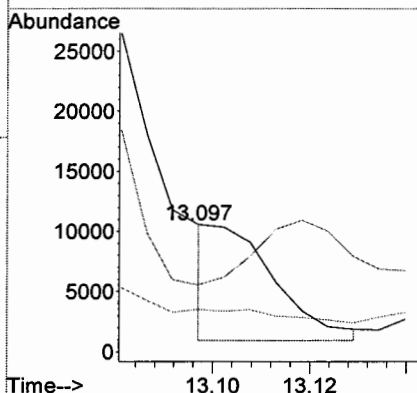
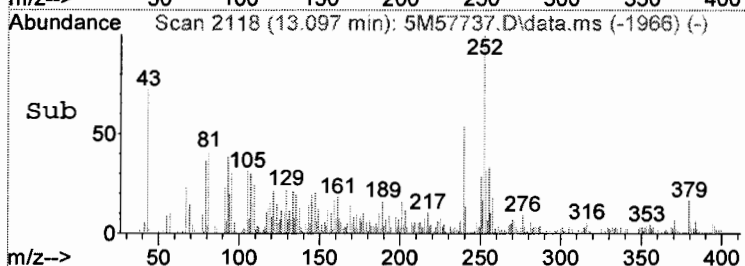
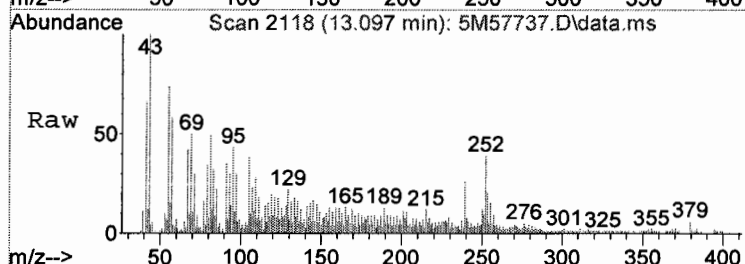
#104
Benzo[b]fluoranthene
Concen: 11.25 ng m
RT: 13.076 min Scan# 2114
Delta R.T. -0.193 min
Lab File: 5M57737.D
Acq: 11 May 2010 20:31

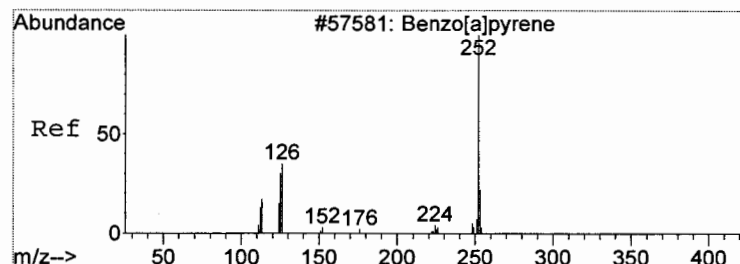
Tgt Ion	Ratio	Lower	Upper
252	100		
253	94.2	0.0	62.3
125	18.9	0.0	58.4



#105
Benzo[k]fluoranthene
Concen: 2.51 ng m
RT: 13.097 min Scan# 2118
Delta R.T. -0.203 min
Lab File: 5M57737.D
Acq: 11 May 2010 20:31

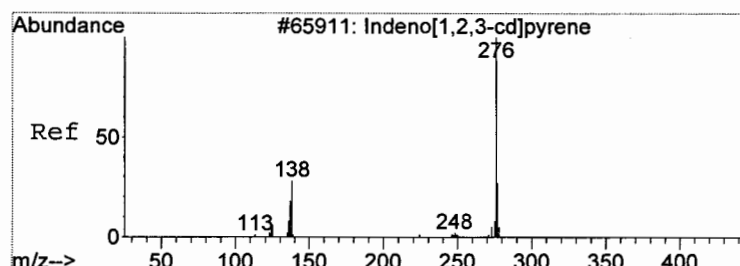
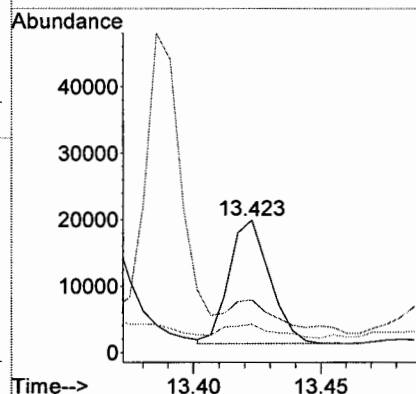
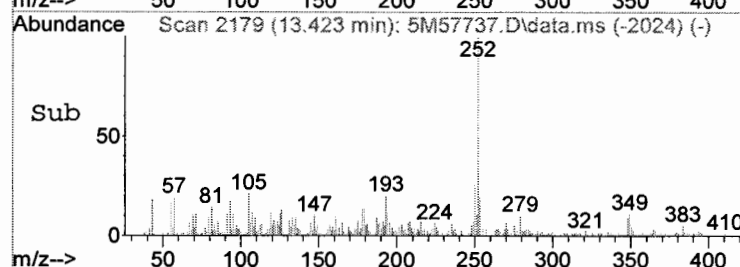
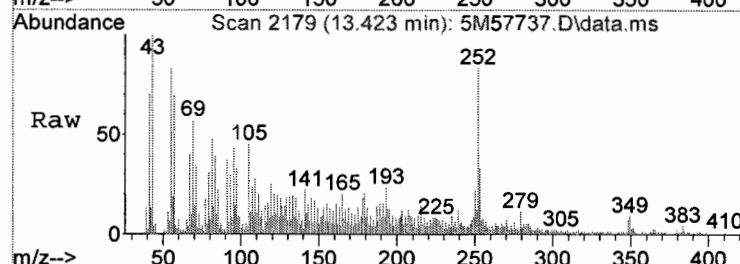
Tgt Ion	Ratio	Lower	Upper
252	100		
253	52.4	0.0	62.2
125	33.3	0.0	58.9





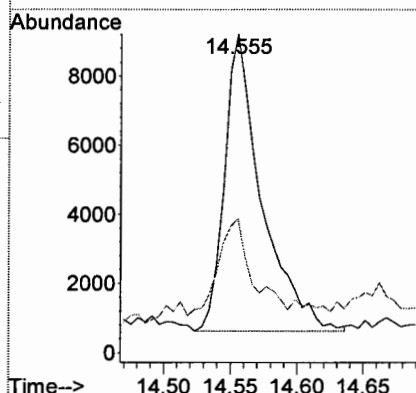
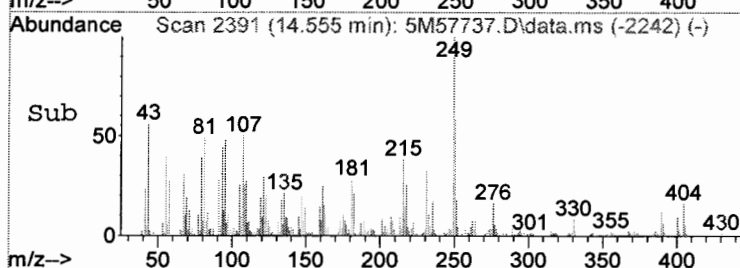
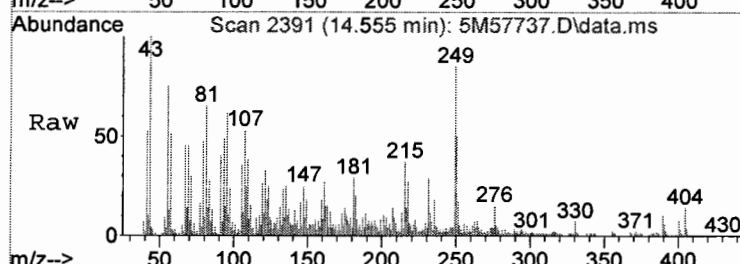
#106
Benzo[a]pyrene
Concen: 6.16 ng
RT: 13.423 min Scan# 2179
Delta R.T. -0.187 min
Lab File: 5M57737.D
Acq: 11 May 2010 20:31

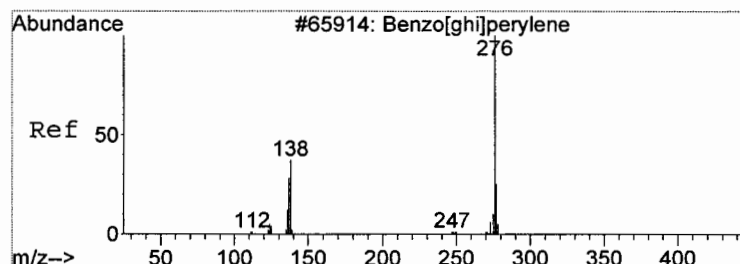
Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.0	0.0	62.4
125	9.9	0.0	60.9



#107
Indeno[1,2,3-cd]pyrene
Concen: 6.15 ng
RT: 14.555 min Scan# 2391
Delta R.T. -0.219 min
Lab File: 5M57737.D
Acq: 11 May 2010 20:31

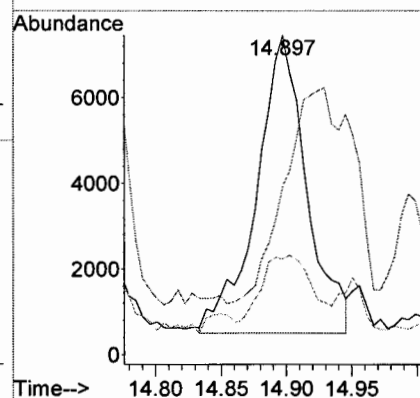
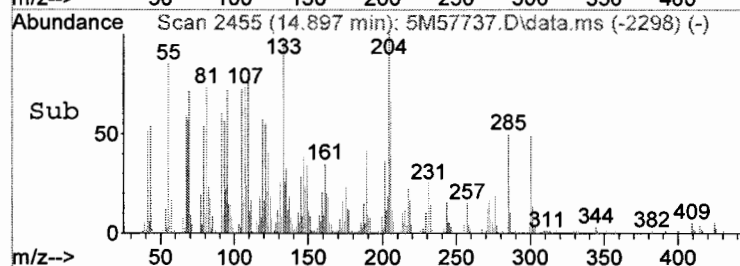
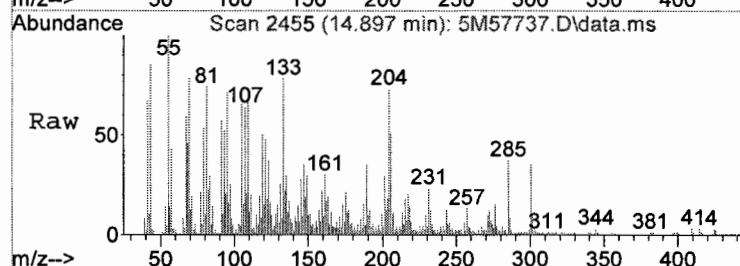
Tgt Ion	Ratio	Lower	Upper
276	100		
138	30.7	0.0	78.9





#109
Benzo[g,h,i]perylene
Concen: 7.06 ng m
RT: 14.897 min Scan# 2455
Delta R.T. -0.171 min
Lab File: 5M57737.D
Acq: 11 May 2010 20:31

Tgt Ion	276	Resp	18437
Ion Ratio	Lower	Upper	
276	100		
138	74.5	0.0	140.0
277	0.0	0.0	120.0



LSC Area Percent Report

Data Path : G:\GCMSData\2010\GCMS_5\Data\05-1110\
 Data File : 5M57737.D
 Acq On : 11 May 2010 20:31
 Operator : AHD
 Sample : AC51387-005
 Misc : S,BNA
 ALS Vial : 28 Sample Multiplier: 1

Integration Parameters: LSCINT.P

Integrator: RTE

Smoothing : OFF

Sampling : 1

Start Thrs: 0.05

Stop Thrs : 0

Filtering: 5

Min Area: 500 Area counts

Max Peaks: 250

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 1

Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0430.M
 Title : @GCMS_5,mg,625,8270

Signal : TIC: 5M57737.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.594	148	152	160	rBV4	6050	12509	0.07%	0.011%
2	2.952	215	219	221	rBV2	9367	15604	0.09%	0.013%
3	3.492	279	320	322	rBV	2505325	16770768	100.00%	14.396%
4	3.801	376	378	399	rBV	122161	152925	0.91%	0.131%
5	3.930	399	402	406	rVB2	3262	3706	0.02%	0.003%
6	4.138	436	441	450	rBV	7389	11174	0.07%	0.010%
7	4.245	458	461	471	rBV	83219	84672	0.50%	0.073%
8	4.304	471	472	481	rVB3	2907	3734	0.02%	0.003%
9	4.453	496	500	504	rBV	3236	3179	0.02%	0.003%
10	4.603	524	528	531	rBV	4008	3887	0.02%	0.003%
11	4.678	538	542	549	rVB4	6067	10063	0.06%	0.009%
12	4.736	549	553	559	rVB2	9650	9998	0.06%	0.009%
13	4.817	565	568	581	rBV	214810	243230	1.45%	0.209%
14	4.897	581	583	588	rVV2	18654	18233	0.11%	0.016%
15	4.934	588	590	592	rVV	10660	8067	0.05%	0.007%
16	4.961	592	595	598	rVB	27656	20443	0.12%	0.018%
17	5.003	598	603	606	rBV	10293	8460	0.05%	0.007%
18	5.062	610	614	616	rBV3	5957	4824	0.03%	0.004%
19	5.089	616	619	626	rVV	132038	109918	0.66%	0.094%
20	5.137	626	628	629	rVV	17900	11459	0.07%	0.010%
21	5.158	629	632	635	rVV	75752	54789	0.33%	0.047%
22	5.185	635	637	640	rVB	13847	10520	0.06%	0.009%
23	5.233	643	646	650	rVB4	5988	6110	0.04%	0.005%
24	5.308	657	660	662	rVB3	4020	2880	0.02%	0.002%
25	5.329	662	664	668	rVB3	4986	4601	0.03%	0.004%
26	5.367	668	671	680	rBV	46936	43099	0.26%	0.037%
27	5.431	680	683	686	rBV2	5255	5688	0.03%	0.005%
28	5.463	686	689	691	rBV2	8959	8197	0.05%	0.007%
29	5.490	691	694	695	rVV	6549	4418	0.03%	0.004%
30	5.506	695	697	701	rVV3	9652	10252	0.06%	0.009%
31	5.543	701	704	705	rVV2	11522	9909	0.06%	0.009%
32	5.570	705	709	714	rVV2	129694	139162	0.83%	0.119%
33	5.607	714	716	719	rVV	219212	136066	0.81%	0.117%
34	5.634	719	721	724	rVV3	8736	7469	0.04%	0.006%
35	5.661	724	726	728	rVB2	7620	4769	0.03%	0.004%

LSC Area Percent Report

Data Path : G:\GcMsData\2010\GCMS_5\Data\05-1110\
 Data File : 5M57737.D
 Acq On : 11 May 2010 20:31
 Operator : AHD
 Sample : AC51387-005
 Misc : S,BNA
 ALS Vial : 28 Sample Multiplier: 1

Integration Parameters: LSCINT.P

Integrator: RTE

Smoothing : OFF

Sampling : 1

Start Thrs: 0.05

Stop Thrs : 0

Filtering: 5

Min Area: 500 Area counts

Max Peaks: 250

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 1

Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0430.M
 Title : @GCMS_5,mg,625,8270

36	5.735	737	740	741	rBV	7604	5410	0.03%	0.005%
37	5.751	741	743	746	rVV	15297	11831	0.07%	0.010%
38	5.789	746	750	754	rVV3	12703	12686	0.08%	0.011%
39	5.832	754	758	762	rVV6	5021	7990	0.05%	0.007%
40	5.874	762	766	768	rVV3	11744	12631	0.08%	0.011%
41	5.922	772	775	778	rBV2	62933	59585	0.36%	0.051%
42	5.949	778	780	782	rVV	66471	51769	0.31%	0.044%
43	5.965	782	783	786	rVB	30383	16853	0.10%	0.014%
44	5.997	786	789	793	rVB4	20324	23196	0.14%	0.020%
45	6.029	793	795	797	rVB2	4509	3337	0.02%	0.003%
46	6.056	797	800	802	rVB3	4002	4020	0.02%	0.003%
47	6.120	802	812	814	rBV2	278069	333703	1.99%	0.286%
48	6.136	814	815	819	rVB	368391	228719	1.36%	0.196%
49	6.189	823	825	826	rBV2	11380	7551	0.05%	0.006%
50	6.227	830	832	834	rVB3	4416	2889	0.02%	0.002%
51	6.248	834	836	838	rBV2	5958	4790	0.03%	0.004%
52	6.286	838	843	845	rBV6	9303	13324	0.08%	0.011%
53	6.307	845	847	849	rVV3	8079	5104	0.03%	0.004%
54	6.334	849	852	854	rBV2	20188	18770	0.11%	0.016%
55	6.350	854	855	858	rVV3	7190	7142	0.04%	0.006%
56	6.376	858	860	862	rVB3	8101	4926	0.03%	0.004%
57	6.403	862	865	866	rBV3	6780	5300	0.03%	0.005%
58	6.441	869	872	874	rVB2	40001	22291	0.13%	0.019%
59	6.462	874	876	878	rVV2	15083	13475	0.08%	0.012%
60	6.489	878	881	888	rVB5	22277	33551	0.20%	0.029%
61	6.547	891	892	894	rBV	5396	3600	0.02%	0.003%
62	6.579	896	898	903	rVB	163809	118617	0.71%	0.102%
63	6.622	903	906	908	rBV3	17546	12292	0.07%	0.011%
64	6.660	910	913	916	rVB	171887	113898	0.68%	0.098%
65	6.697	916	920	922	rBV4	7359	7896	0.05%	0.007%
66	6.729	922	926	930	rBV	225893	161533	0.96%	0.139%
67	6.756	930	931	933	rBV2	9403	7663	0.05%	0.007%
68	6.798	935	939	946	rVB7	15115	25358	0.15%	0.022%
69	6.847	946	948	952	rBV3	20551	18966	0.11%	0.016%
70	6.884	952	955	960	rBV5	55395	74965	0.45%	0.064%
71	6.927	960	963	966	rVV	339682	252064	1.50%	0.216%
72	6.953	966	968	970	rVB2	11264	6369	0.04%	0.005%
73	6.969	970	971	973	rBV2	6627	4103	0.02%	0.004%
74	7.001	973	977	980	rBV2	114729	98153	0.59%	0.084%
75	7.034	980	983	986	rVB4	15135	16276	0.10%	0.014%

Data Path : G:\GcMsData\2010\GCMS_5\Data\05-1110\
 Data File : 5M57737.D
 Acq On : 11 May 2010 20:31
 Operator : AHD
 Sample : AC51387-005
 Misc : S,BNA
 ALS Vial : 28 Sample Multiplier: 1

Integration Parameters: LSCINT.P

Integrator: RTE
 Smoothing : OFF
 Sampling : 1
 Start Thrs: 0.05
 Stop Thrs : 0

Filtering: 5
 Min Area: 500 Area counts
 Max Peaks: 250
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 1

Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0430.M
 Title : @GCMS_5,mg,625,8270

76	7.082	986	992	997	rBV2	49656	77135	0.46%	0.066%
77	7.130	997	1001	1005	rBV	84179	86696	0.52%	0.074%
78	7.188	1008	1012	1014	rBV	119701	113313	0.68%	0.097%
79	7.210	1014	1016	1019	rVB	95980	68758	0.41%	0.059%
80	7.247	1019	1023	1025	rBV2	41116	50952	0.30%	0.044%
81	7.263	1025	1026	1028	rVV2	38876	29055	0.17%	0.025%
82	7.285	1028	1030	1034	rVV4	42847	52453	0.31%	0.045%
83	7.322	1034	1037	1040	rVV3	21522	25278	0.15%	0.022%
84	7.349	1040	1042	1044	rVV2	49447	42813	0.26%	0.037%
85	7.375	1044	1047	1052	rVB2	224480	203727	1.21%	0.175%
86	7.424	1052	1056	1058	rBV	1158013	858551	5.12%	0.737%
87	7.461	1058	1063	1065	rVV	266183	225543	1.34%	0.194%
88	7.488	1065	1068	1072	rVB2	76139	72890	0.43%	0.063%
89	7.525	1072	1075	1077	rBV3	9993	9945	0.06%	0.009%
90	7.557	1077	1081	1084	rBV2	49116	66397	0.40%	0.057%
91	7.594	1084	1088	1090	rBV3	31326	28242	0.17%	0.024%
92	7.632	1090	1095	1099	rVB2	84728	107494	0.64%	0.092%
93	7.669	1099	1102	1103	rBV	56330	43926	0.26%	0.038%
94	7.691	1103	1106	1110	rVV3	161151	158062	0.94%	0.136%
95	7.723	1110	1112	1113	rVV	22434	17095	0.10%	0.015%
96	7.733	1113	1114	1117	rVB2	29857	20466	0.12%	0.018%
97	7.765	1117	1120	1124	rVB5	47156	48947	0.29%	0.042%
98	7.803	1124	1127	1130	rBV4	28331	34663	0.21%	0.030%
99	7.846	1132	1135	1138	rVB	137826	92876	0.55%	0.080%
100	7.867	1138	1139	1141	rBV	19751	14719	0.09%	0.013%
101	7.888	1141	1143	1148	rVB4	15868	25027	0.15%	0.021%
102	7.931	1148	1151	1154	rBV2	98104	82844	0.49%	0.071%
103	7.990	1157	1162	1164	rBV4	22049	27559	0.16%	0.024%
104	8.006	1164	1165	1169	rVB3	34879	24463	0.15%	0.021%
105	8.043	1169	1172	1176	rBV3	38419	49503	0.30%	0.042%
106	8.081	1176	1179	1184	rVB4	36873	48812	0.29%	0.042%
107	8.123	1184	1187	1189	rBV3	43331	38300	0.23%	0.033%
108	8.161	1189	1194	1197	rBV2	366960	330556	1.97%	0.284%
109	8.209	1200	1203	1205	rBV3	24393	20267	0.12%	0.017%
110	8.225	1205	1206	1208	rVV	19400	11877	0.07%	0.010%
111	8.241	1208	1209	1212	rVB3	26803	17829	0.11%	0.015%
112	8.294	1212	1219	1227	rVB	824735	847766	5.06%	0.728%
113	8.374	1227	1234	1236	rBV4	32898	58914	0.35%	0.051%
114	8.412	1237	1241	1244	rBV2	64960	71433	0.43%	0.061%

Data Path : G:\GcMsData\2010\GCMS_5\Data\05-1110\
 Data File : 5M57737.D
 Acq On : 11 May 2010 20:31
 Operator : AHD
 Sample : AC51387-005
 Misc : S,BNA
 ALS Vial : 28 Sample Multiplier: 1

Integration Parameters: LSCINT.P

Integrator: RTE

Smoothing : OFF

Sampling : 1

Start Thrs: 0.05

Stop Thrs : 0

Filtering: 5

Min Area: 500 Area counts

Max Peaks: 250

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 1

Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0430.M
 Title : @GCMS_5,mg,625,8270

115	8.465	1247	1251	1257	rBV4	86061	159112	0.95%	0.137%
116	8.513	1257	1260	1262	rBV2	47440	46047	0.27%	0.040%
117	8.545	1264	1266	1268	rVB	37617	24122	0.14%	0.021%
118	8.588	1268	1274	1277	rBV2	205986	277006	1.65%	0.238%
119	8.674	1287	1290	1292	rBV2	44046	41639	0.25%	0.036%
120	8.711	1294	1297	1299	rVB2	60102	53275	0.32%	0.046%
121	8.738	1299	1302	1306	rVV2	93047	91909	0.55%	0.079%
122	8.770	1306	1308	1312	rVB	51233	45899	0.27%	0.039%
123	8.839	1314	1321	1323	rBV	292162	341150	2.03%	0.293%
124	8.861	1323	1325	1331	rVB	530540	489673	2.92%	0.420%
125	8.914	1332	1335	1337	rVV	72414	79138	0.47%	0.068%
126	8.935	1337	1339	1341	rVV2	77458	73667	0.44%	0.063%
127	8.962	1341	1344	1351	rVB2	42079	69286	0.41%	0.059%
128	9.021	1352	1355	1357	rBV3	29397	35249	0.21%	0.030%
129	9.090	1365	1368	1373	rBV3	42608	67701	0.40%	0.058%
130	9.197	1381	1388	1393	rVB3	124766	181717	1.08%	0.156%
131	9.240	1393	1396	1399	rBV3	31733	31446	0.19%	0.027%
132	9.325	1408	1412	1414	rBV3	50464	57077	0.34%	0.049%
133	9.373	1415	1421	1424	rBV3	137169	202652	1.21%	0.174%
134	9.406	1424	1427	1429	rVV	92155	81994	0.49%	0.070%
135	9.427	1429	1431	1435	rVV3	121400	118866	0.71%	0.102%
136	9.491	1439	1443	1444	rBV2	203174	211081	1.26%	0.181%
137	9.550	1444	1454	1457	rVB4	793202	1709943	10.20%	1.468%
138	9.587	1459	1461	1467	rVB	90246	89464	0.53%	0.077%
139	9.662	1471	1475	1478	rVB	267691	248562	1.48%	0.213%
140	9.694	1478	1481	1485	rBV3	79966	98621	0.59%	0.085%
141	9.785	1496	1498	1501	rBV4	33183	31846	0.19%	0.027%
142	9.876	1510	1515	1519	rVB	1714245	1637793	9.77%	1.406%
143	9.918	1520	1523	1526	rBV3	52220	68122	0.41%	0.058%
144	9.956	1526	1530	1533	rBV3	67817	78556	0.47%	0.067%
145	9.993	1535	1537	1540	rVB	96435	90129	0.54%	0.077%
146	10.031	1540	1544	1546	rBV3	100910	137514	0.82%	0.118%
147	10.105	1552	1558	1561	rBV	618703	560910	3.34%	0.481%
148	10.137	1561	1564	1566	rVB2	33166	29784	0.18%	0.026%
149	10.169	1566	1570	1573	rBV	299645	306548	1.83%	0.263%
150	10.228	1577	1581	1585	rBV	593480	565306	3.37%	0.485%
151	10.287	1585	1592	1595	rBV8	69506	159871	0.95%	0.137%
152	10.324	1595	1599	1602	rBV	768893	709857	4.23%	0.609%
153	10.351	1602	1604	1608	rVV3	40447	58885	0.35%	0.051%

LSC Area Percent Report

Data Path : G:\GcMsData\2010\GCMS_5\Data\05-1110\
 Data File : 5M57737.D
 Acq On : 11 May 2010 20:31
 Operator : AHD
 Sample : AC51387-005
 Misc : S,BNA
 ALS Vial : 28 Sample Multiplier: 1

Integration Parameters: LSCINT.P

Integrator: RTE
 Smoothing : OFF
 Sampling : 1
 Start Thrs: 0.05
 Stop Thrs : 0

Filtering: 5
 Min Area: 500 Area counts
 Max Peaks: 250
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 1

Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0430.M
 Title : @GCMS_5,mg,625,8270

154	10.421	1613	1617	1619	rBV	407641	461364	2.75%	0.396%
155	10.447	1619	1622	1626	rVB3	288593	420186	2.51%	0.361%
156	10.495	1628	1631	1633	rBV2	78978	65328	0.39%	0.056%
157	10.549	1637	1641	1644	rVV	967460	806575	4.81%	0.692%
158	10.581	1644	1647	1650	rVB3	96667	96266	0.57%	0.083%
159	10.624	1651	1655	1662	rVB	568979	564402	3.37%	0.484%
160	10.714	1670	1672	1675	rVB2	93015	83423	0.50%	0.072%
161	10.821	1689	1692	1696	rVB2	68724	68496	0.41%	0.059%
162	10.939	1711	1714	1716	rBV2	73506	77083	0.46%	0.066%
163	10.976	1716	1721	1725	rVB	1254248	1221911	7.29%	1.049%
164	11.195	1758	1762	1767	rBV4	156586	268970	1.60%	0.231%
165	11.393	1794	1799	1802	rVB	1348008	1325552	7.90%	1.138%
166	11.644	1843	1846	1850	rVB2	145914	146307	0.87%	0.126%
167	11.681	1850	1853	1855	rBV2	50715	47732	0.28%	0.041%
168	11.756	1864	1867	1869	rBV2	131766	135705	0.81%	0.116%
169	11.793	1869	1874	1879	rVB	1648961	1803947	10.76%	1.548%
170	11.852	1880	1885	1889	rBV2	356717	496610	2.96%	0.426%
171	11.890	1889	1892	1895	rVB	90227	83260	0.50%	0.071%
172	11.986	1906	1910	1914	rVB	673093	639607	3.81%	0.549%
173	12.029	1916	1918	1921	rVB	62874	51373	0.31%	0.044%
174	12.071	1923	1926	1931	rVB4	110926	142530	0.85%	0.122%
175	12.141	1936	1939	1940	rBV2	44201	43686	0.26%	0.037%
176	12.178	1941	1946	1950	rVB	1385271	1505205	8.98%	1.292%
177	12.290	1964	1967	1971	rBV5	49934	83939	0.50%	0.072%
178	12.338	1973	1976	1980	rVB3	83572	84502	0.50%	0.073%
179	12.413	1986	1990	1994	rBV	258540	250722	1.49%	0.215%
180	12.451	1995	1997	2000	rVB2	88210	75413	0.45%	0.065%
181	12.557	2012	2017	2026	rVB	1381374	1590562	9.48%	1.365%
182	12.643	2029	2033	2038	rBV	929307	925254	5.52%	0.794%
183	12.686	2038	2041	2045	rBV2	213351	226681	1.35%	0.195%
184	12.787	2055	2060	2064	rBV2	269484	357610	2.13%	0.307%
185	12.825	2064	2067	2069	rBV	87840	82831	0.49%	0.071%
186	12.899	2078	2081	2082	rBV3	100926	107399	0.64%	0.092%
187	12.926	2082	2086	2090	rVB	953886	1001666	5.97%	0.860%
188	13.006	2097	2101	2103	rBV3	230143	286130	1.71%	0.246%
189	13.076	2110	2114	2118	rBV3	352828	451121	2.69%	0.387%
190	13.166	2123	2131	2135	rBV2	1834518	2823192	16.83%	2.423%
191	13.220	2136	2141	2147	rVV4	1726806	2424983	14.46%	2.082%
192	13.279	2147	2152	2155	rVV2	1989443	2364327	14.10%	2.030%

LSC Area Percent Report

Data Path : G:\GcMsData\2010\GCMS_5\Data\05-1110\
 Data File : 5M57737.D
 Acq On : 11 May 2010 20:31
 Operator : AHD
 Sample : AC51387-005
 Misc : S,BNA
 ALS Vial : 28 Sample Multiplier: 1

Integration Parameters: LSCINT.P

Integrator: RTE
 Smoothing : OFF
 Sampling : 1
 Start Thrs: 0.05
 Stop Thrs : 0

Filtering: 5
 Min Area: 500 Area counts
 Max Peaks: 250
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 1

Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0430.M
 Title : @GCMS_5,mg,625,8270

193	13.316	2155	2159	2164	rVV7	219855	476300	2.84%	0.409%
194	13.359	2164	2167	2168	rVV	332745	341036	2.03%	0.293%
195	13.385	2168	2172	2176	rVB3	1146955	1245190	7.42%	1.069%
196	13.476	2185	2189	2194	rBV2	497154	744946	4.44%	0.639%
197	13.524	2194	2198	2201	rVB2	343344	421117	2.51%	0.361%
198	13.572	2203	2207	2211	rBV	695711	807600	4.82%	0.693%
199	13.615	2211	2215	2221	rVB	846652	903335	5.39%	0.775%
200	13.674	2222	2226	2231	rBV3	306925	368778	2.20%	0.317%
201	13.722	2232	2235	2238	rBV2	168854	204892	1.22%	0.176%
202	13.754	2238	2241	2242	rVV3	150458	152710	0.91%	0.131%
203	13.781	2242	2246	2250	rVB	781674	997268	5.95%	0.856%
204	13.829	2250	2255	2260	rBV2	2023765	2517583	15.01%	2.161%
205	13.882	2260	2265	2267	rVV	1281126	1448345	8.64%	1.243%
206	13.909	2267	2270	2272	rVV3	438378	406444	2.42%	0.349%
207	13.941	2272	2276	2280	rVB	790605	765250	4.56%	0.657%
208	14.037	2286	2294	2299	rVB4	1389849	2546315	15.18%	2.186%
209	14.091	2299	2304	2310	rVB2	667907	806738	4.81%	0.692%
210	14.155	2310	2316	2321	rBV2	1119833	1517188	9.05%	1.302%
211	14.197	2321	2324	2335	rVB9	238264	514456	3.07%	0.442%
212	14.283	2335	2340	2343	rBV	276611	357526	2.13%	0.307%
213	14.326	2346	2348	2356	rVB4	191299	318014	1.90%	0.273%
214	14.406	2357	2363	2367	rVV3	429025	758758	4.52%	0.651%
215	14.449	2367	2371	2377	rVB	398061	514684	3.07%	0.442%
216	14.507	2378	2382	2384	rBV5	135252	196114	1.17%	0.168%
217	14.550	2384	2390	2395	rVB2	1358923	1965922	11.72%	1.688%
218	14.598	2395	2399	2403	rBV3	124811	168275	1.00%	0.144%
219	14.657	2406	2410	2416	rVB4	254066	453285	2.70%	0.389%
220	14.769	2416	2431	2439	rBV3	2799875	6980795	41.62%	5.992%
221	14.924	2449	2460	2462	rBV3	3455603	6881011	41.03%	5.907%
222	14.945	2462	2464	2469	rVV2	2369647	3153751	18.81%	2.707%
223	14.999	2469	2474	2479	rVB2	938131	1467633	8.75%	1.260%
224	15.095	2482	2492	2498	rBV2	3217341	7561588	45.09%	6.491%
225	15.154	2498	2503	2509	rVV2	1068539	1616621	9.64%	1.388%
226	15.223	2509	2516	2525	rVB5	1481337	2884697	17.20%	2.476%
227	15.362	2537	2542	2546	rBV3	532138	998520	5.95%	0.857%
228	15.426	2546	2554	2561	rVB	1968000	3865741	23.05%	3.318%
229	15.506	2563	2569	2576	rVB	594864	969095	5.78%	0.832%
230	15.806	2620	2625	2631	rBV5	124601	230984	1.38%	0.198%
231	15.864	2631	2636	2641	rBV4	166969	324934	1.94%	0.279%

LSC Area Percent Report

Data Path : G:\GcMsData\2010\GCMS_5\Data\05-1110\
Data File : 5M57737.D
Acq On : 11 May 2010 20:31
Operator : AHD
Sample : AC51387-005
Misc : S,BNA
ALS Vial : 28 Sample Multiplier: 1

Integration Parameters: LSCINT.P

Integrator: RTE

Smoothing : OFF

Sampling : 1

Start Thrs: 0.05

Stop Thrs : 0

Filtering: 5

Min Area: 500 Area counts

Max Peaks: 250

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 1

Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0430.M

Title : @GCMS_5,mg,625,8270

232	15.918	2642	2646	2656	rVB6	186634	392396	2.34%	0.337%
233	16.067	2670	2674	2684	rVB5	97123	204895	1.22%	0.176%

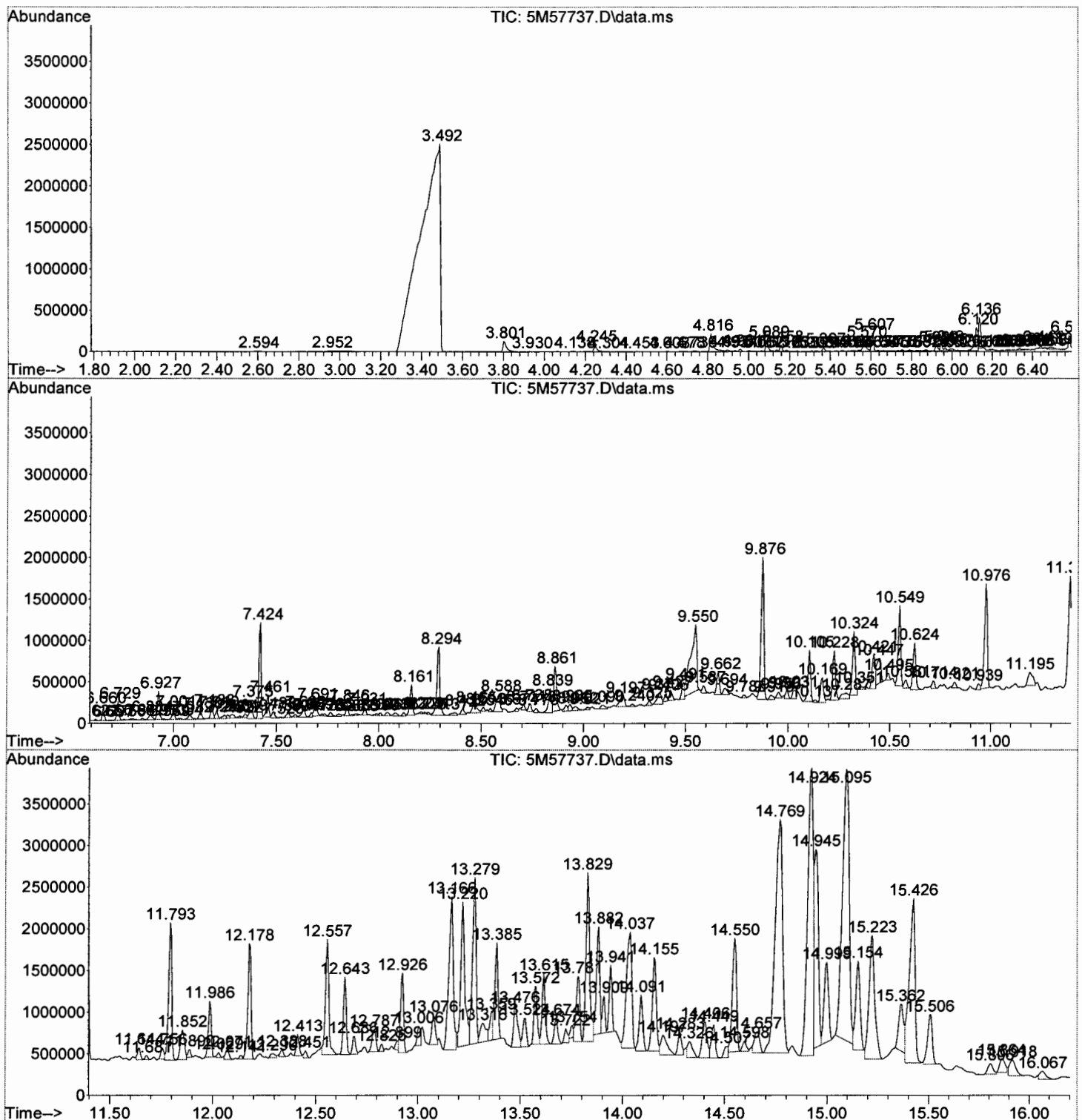
Sum of corrected areas: 116496521

LSC Report - Integrated Chromatogram

Data Path : G:\GCMSData\2010\GCMS_5\Data\05-1110\
Data File : 5M57737.D
Acq On : 11 May 2010 20:31
Operator : AHD
Sample : AC51387-005
Misc : S,BNA
ALS Vial : 28 Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0430.M
Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : G:\GCMSData\2010\GCMS_5\Data\05-1110\
 Data File : 5M57737.D
 Acq On : 11 May 2010 20:31
 Operator : AHD
 Sample : AC51387-005
 Misc : S,BNA
 ALS Vial : 28 Sample Multiplier: 1

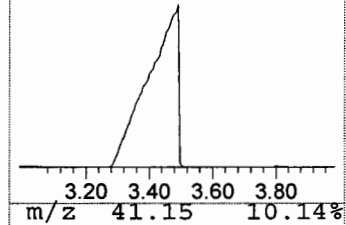
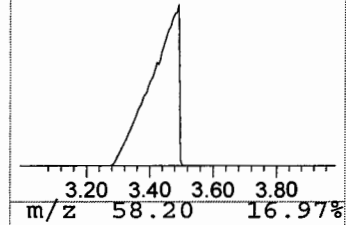
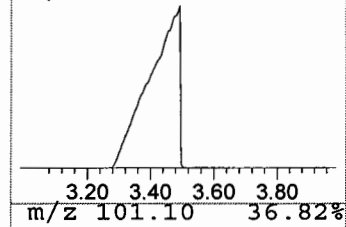
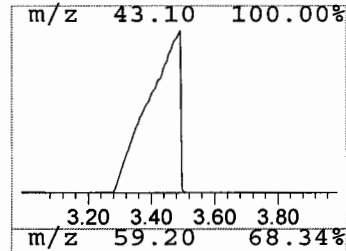
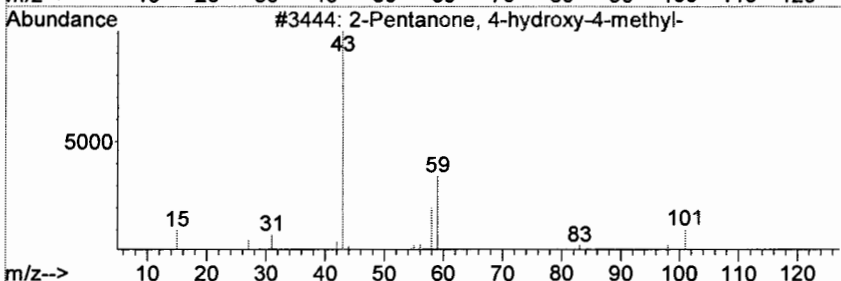
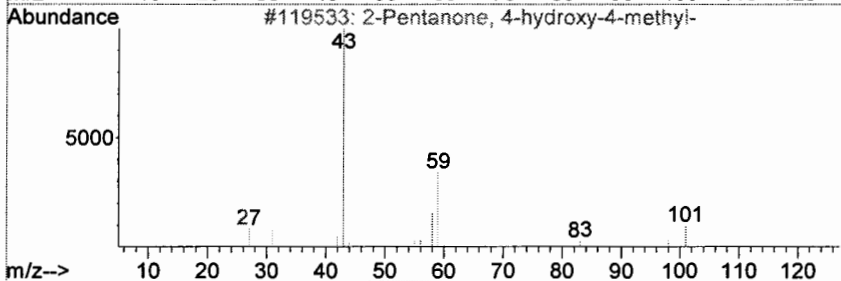
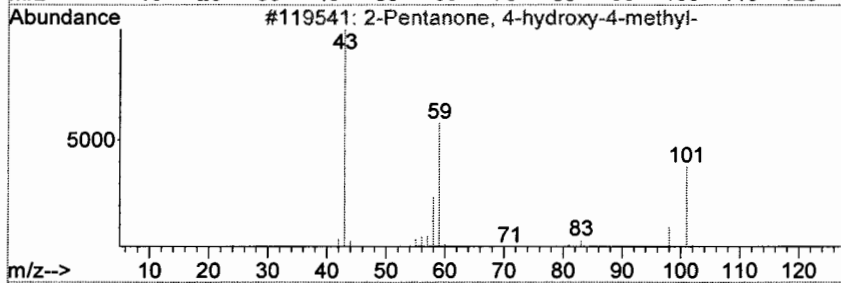
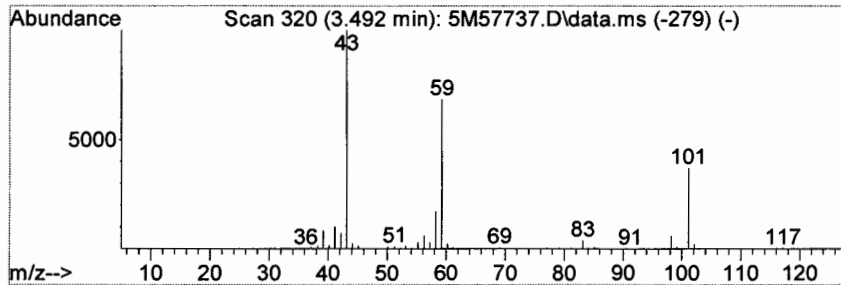
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 Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.49	6401.97 ng	16770768	LibIS-1,4-Dichlorobenzene-d4	5.09

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	40
3			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	38
4			Hydroperoxide, 1,1-dimethylethyl	90	C4H10O2	000075-91-2	37
5			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	33



Library Search Compound Report

Data Path : G:\GcMSData\2010\GCMS_5\Data\05-1110\
 Data File : 5M57737.D
 Acq On : 11 May 2010 20:31
 Operator : AHD
 Sample : AC51387-005
 Misc : S,BNA
 ALS Vial : 28 Sample Multiplier: 1

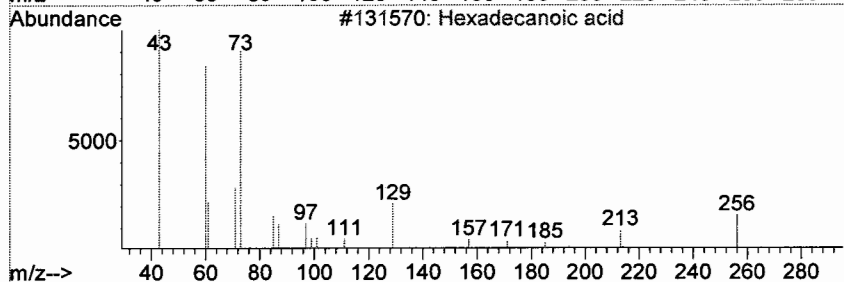
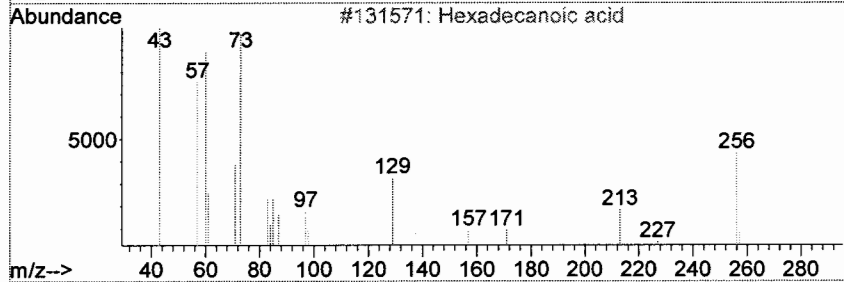
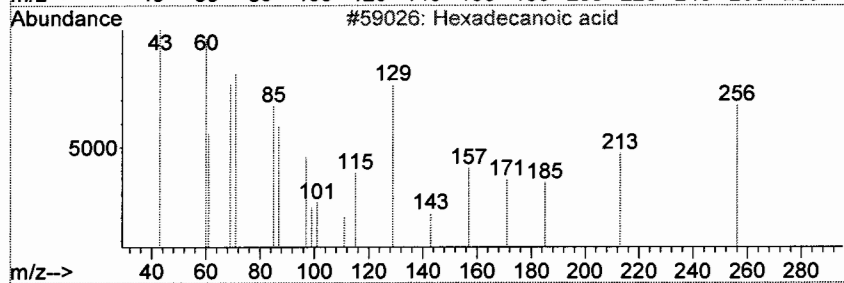
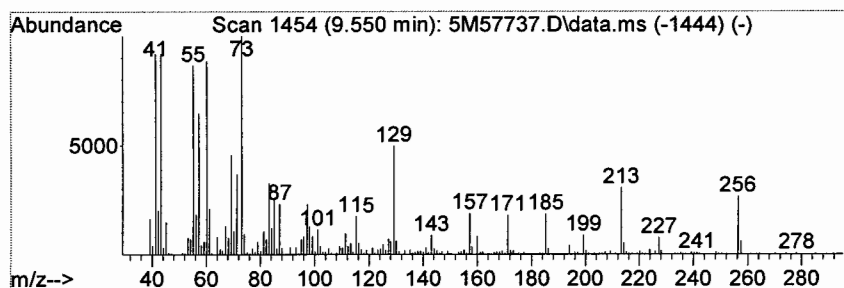
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 Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

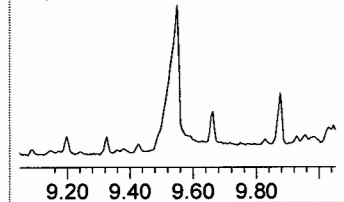
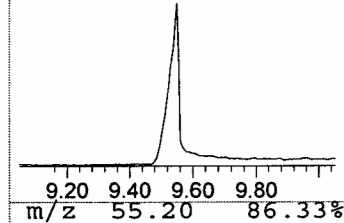
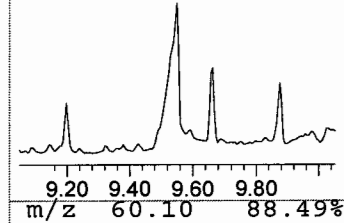
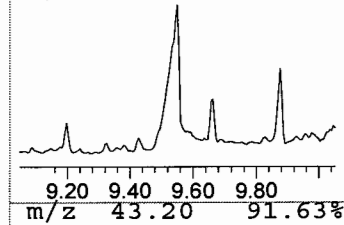
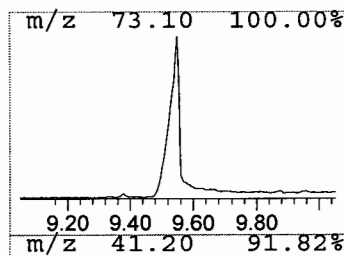
 Peak Number 2 Hexadecanoic acid Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.55	280.40 ng	1709943	LibIS-Phenanthrene-d10	8.84

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Hexadecanoic acid	256	C16H32O2	000057-10-3	96
2		Hexadecanoic acid	256	C16H32O2	000057-10-3	95
3		Hexadecanoic acid	256	C16H32O2	000057-10-3	91
4		Tridecanoic acid	214	C13H26O2	000638-53-9	78
5		Tetradecanoic acid	228	C14H28O2	000544-63-8	74



5M_0430.M Thu May 13 13:54:17 2010 RPT1



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_5\Data\05-1110\
 Data File : 5M57737.D
 Acq On : 11 May 2010 20:31
 Operator : AHD
 Sample : AC51387-005
 Misc : S,BNA
 ALS Vial : 28 Sample Multiplier: 1

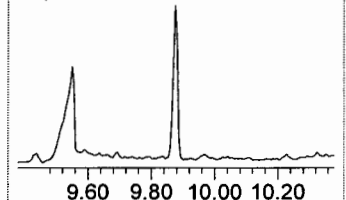
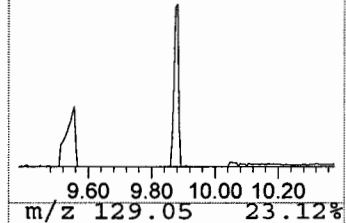
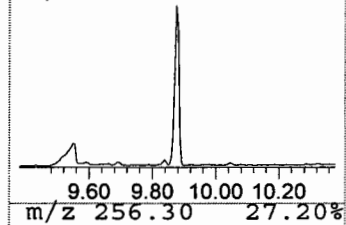
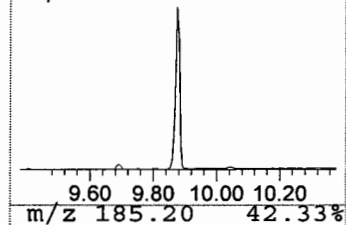
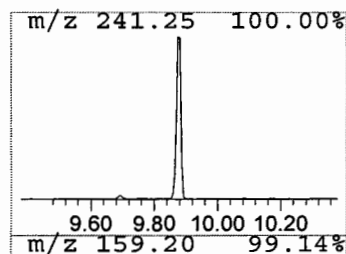
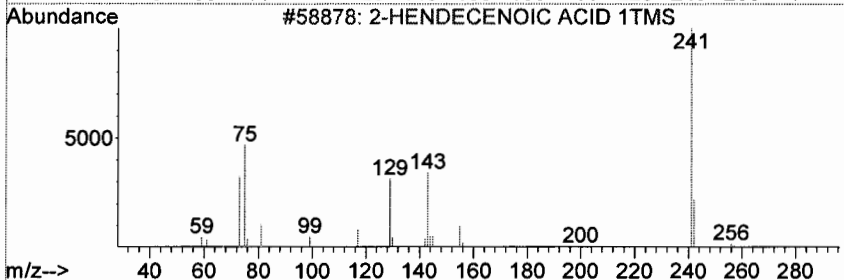
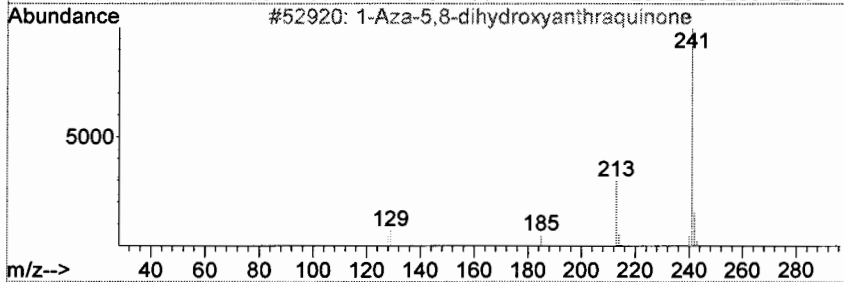
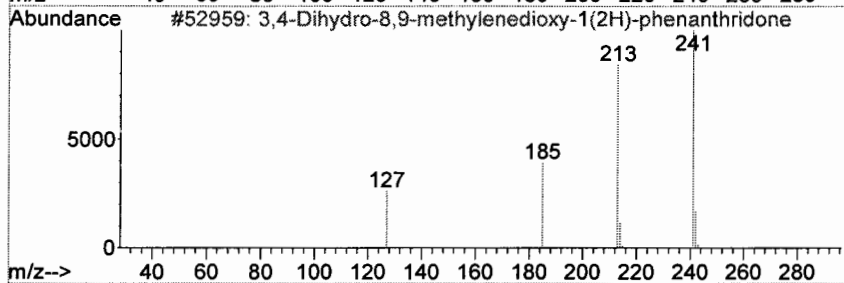
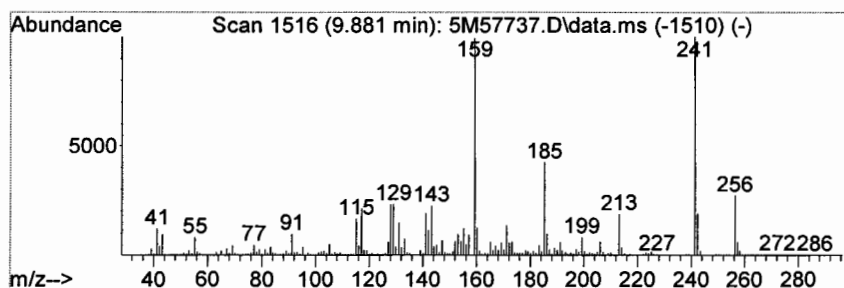
Quant Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0430.M
 Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 3 unknown Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.88	268.57 ng	1637793	LibIS-Phenanthrene-d10	8.84

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			3,4-Dihydro-8,9-methylenedioxy-1...	241	C14H11NO3	068890-28-8	27
2			1-Aza-5,8-dihydroxyanthraquinone	241	C13H7NO4	000000-00-0	27
3			2-HENDECENOIC ACID 1TMS	256	C14H28O2Si	000000-00-0	16
4			Decanedioic acid, dibutyl ester	314	C18H34O4	000109-43-3	16
5			1H-Benz[de]isoquinoline-1,3(2H)-...	241	C14H11NO3	055133-82-9	15



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_5\Data\05-1110\
 Data File : 5M57737.D
 Acq On : 11 May 2010 20:31
 Operator : AHD
 Sample : AC51387-005
 Misc : S,BNA
 ALS Vial : 28 Sample Multiplier: 1

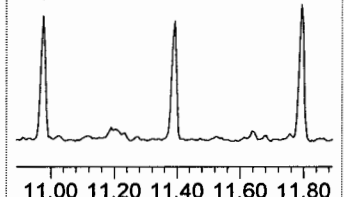
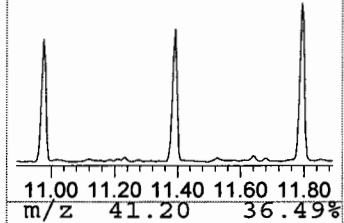
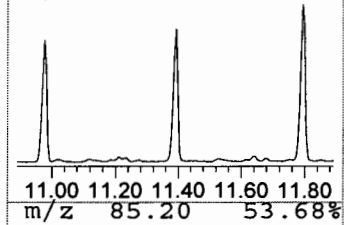
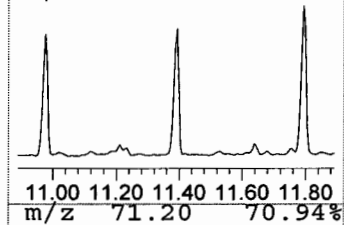
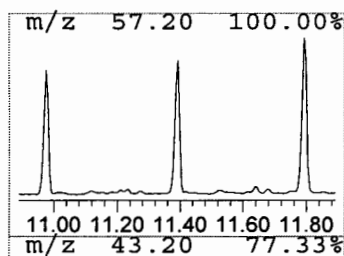
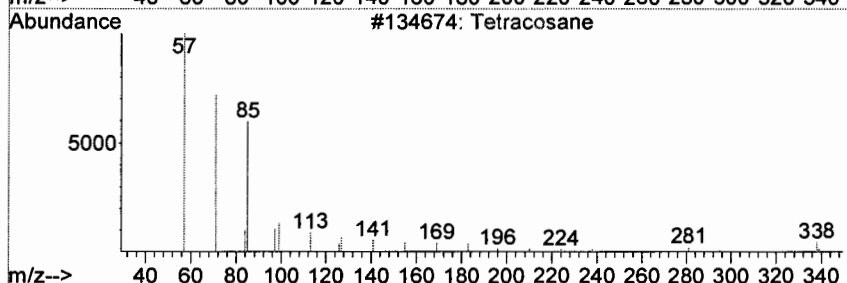
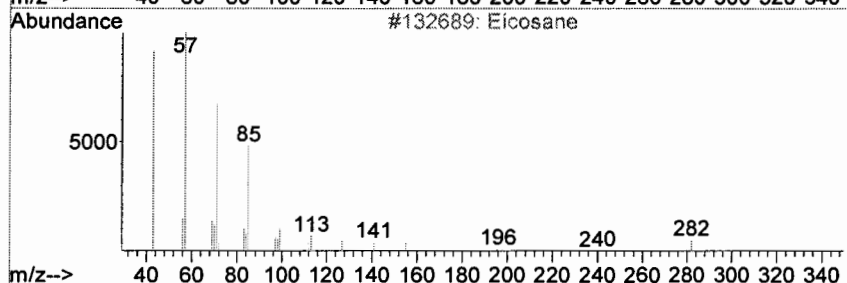
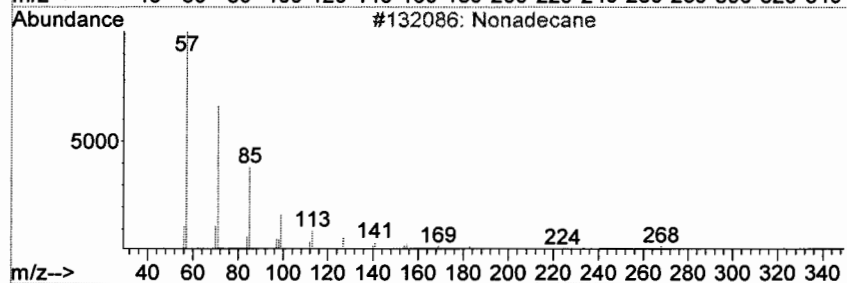
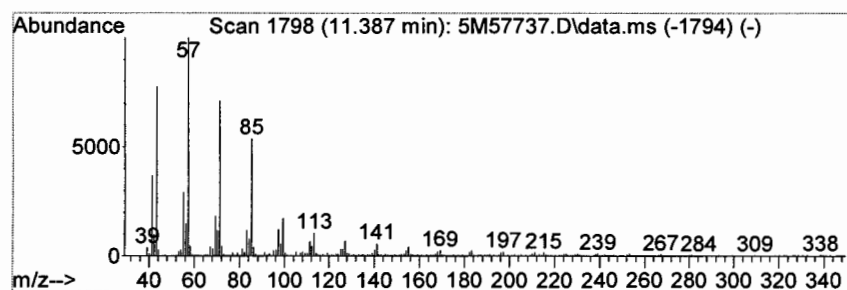
Quant Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0430.M
 Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 4 Nonadecane Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.39	217.36 ng	1325552	LibIS-Phenanthrene-d10	8.84

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Nonadecane	268	C19H40	000629-92-5	97
2			Eicosane	282	C20H42	000112-95-8	96
3			Tetracosane	338	C24H50	000646-31-1	95
4			Docosane	310	C22H46	000629-97-0	93
5			Tricosane, 2-methyl-	338	C24H50	001928-30-9	93



Library Search Compound Report

Data Path : G:\GCMSData\2010\GCMS_5\Data\05-1110\
 Data File : 5M57737.D
 Acq On : 11 May 2010 20:31
 Operator : AHD
 Sample : AC51387-005
 Misc : S,BNA
 ALS Vial : 28 Sample Multiplier: 1

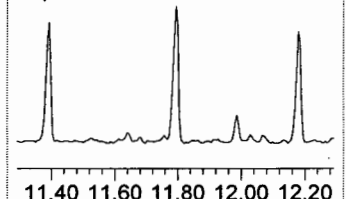
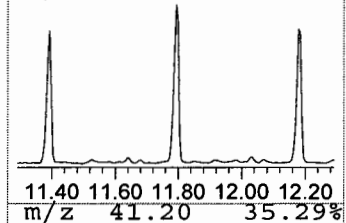
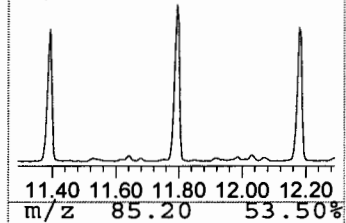
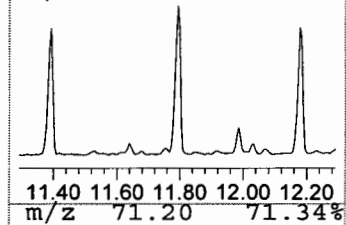
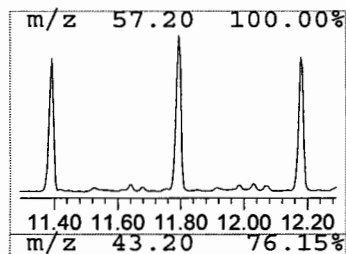
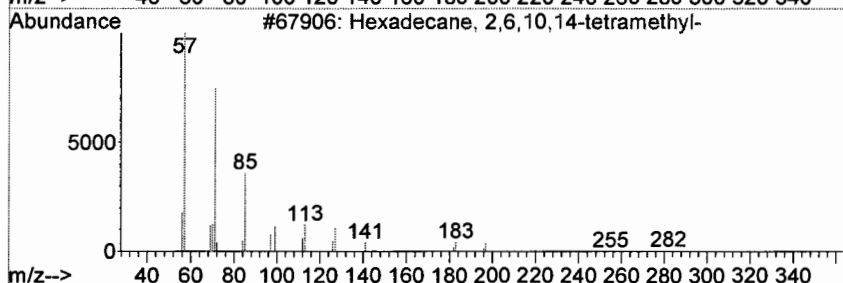
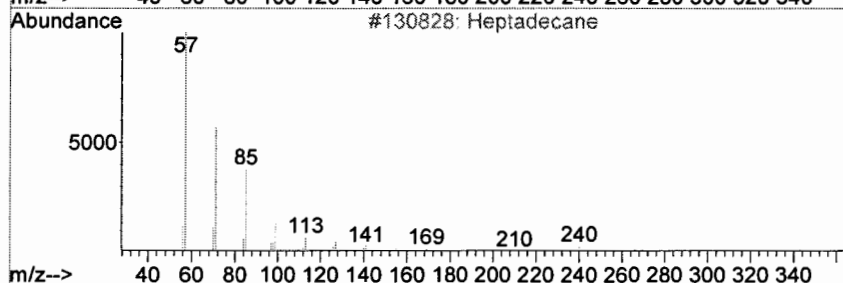
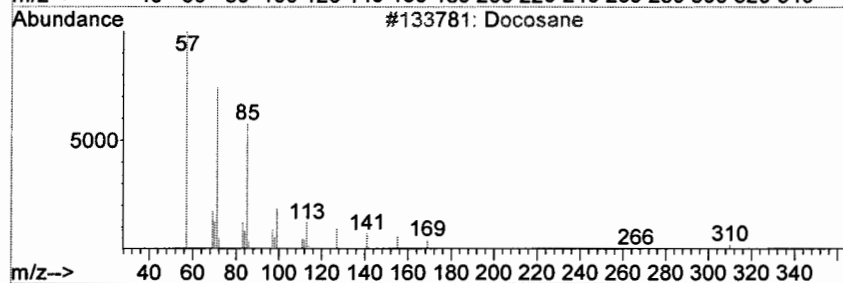
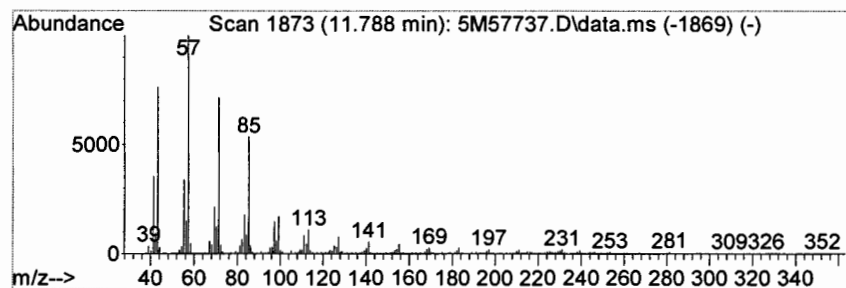
Quant Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0430.M
 Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 5 Docosane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.79	295.81 ng	1803947	LibIS-Phenanthrene-d10	8.84

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Docosane	310	C22H46	000629-97-0	97
2		Heptadecane	240	C17H36	000629-78-7	96
3		Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	94
4		Pentacosane	352	C25H52	000629-99-2	91
5		triacontane	422	C30H62	000638-68-6	91



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_5\Data\05-1110\
 Data File : 5M57737.D
 Acq On : 11 May 2010 20:31
 Operator : AHD
 Sample : AC51387-005
 Misc : S,BNA
 ALS Vial : 28 Sample Multiplier: 1

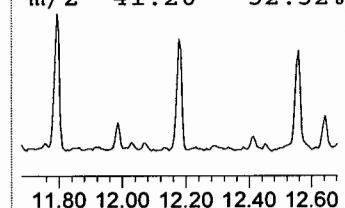
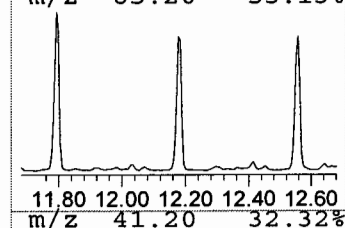
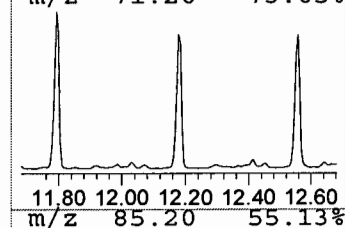
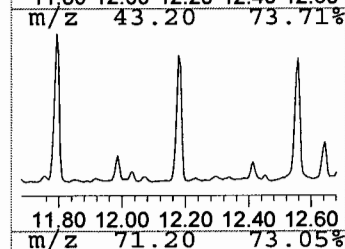
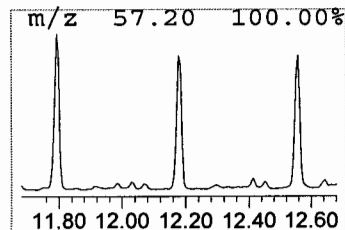
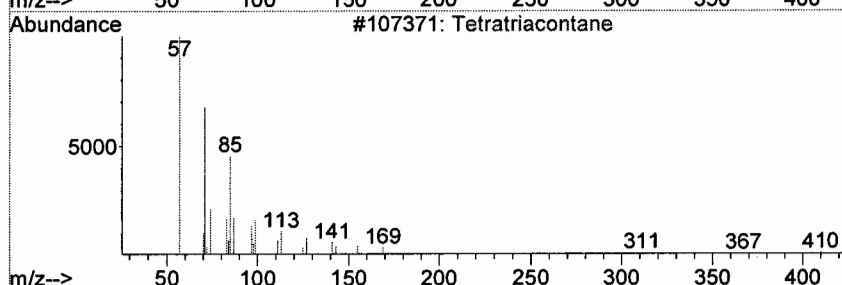
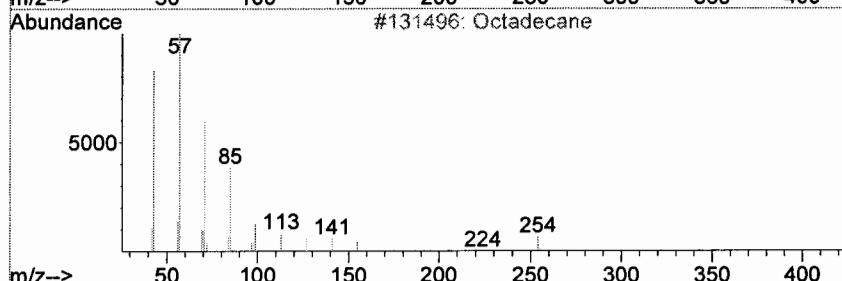
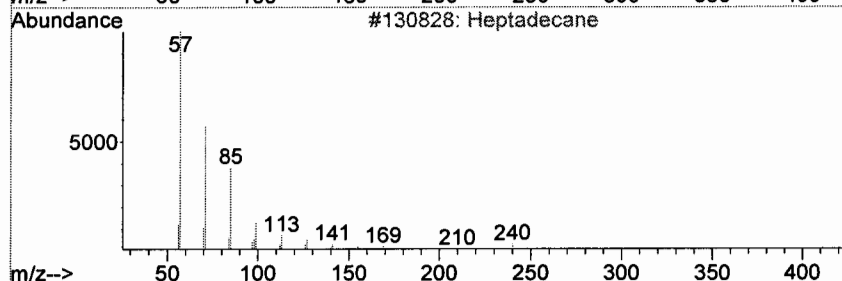
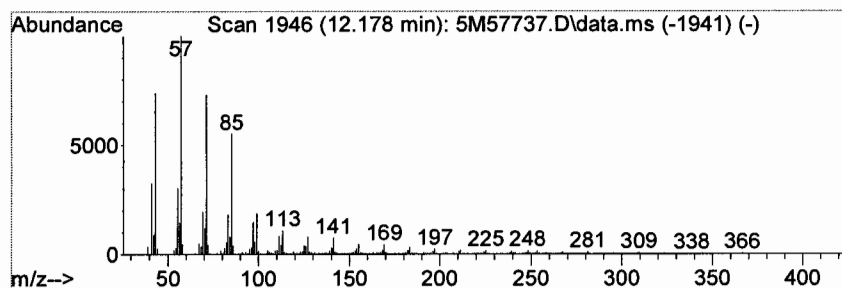
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TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 6 Heptadecane Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.18	246.82 ng	1505205	LibIS-Phenanthrene-d10	8.84

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptadecane	240	C17H36	000629-78-7	96
2			Octadecane	254	C18H38	000593-45-3	95
3			Tetratriacontane	479	C34H70	014167-59-0	91
4			Tetratetracontane	619	C44H90	007098-22-8	91
5			Docosane	310	C22H46	000629-97-0	91



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_5\Data\05-1110\
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 Operator : AHD
 Sample : AC51387-005
 Misc : S,BNA
 ALS Vial : 28 Sample Multiplier: 1

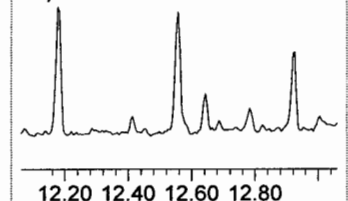
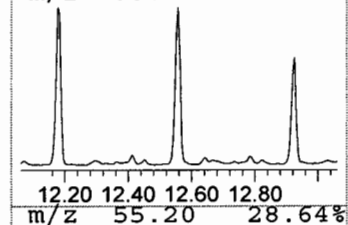
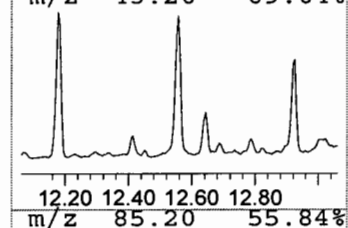
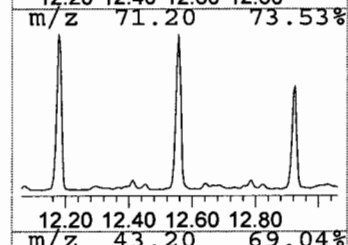
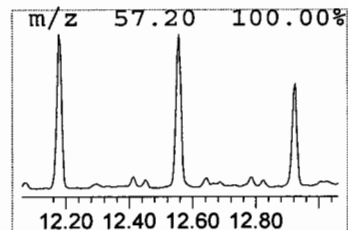
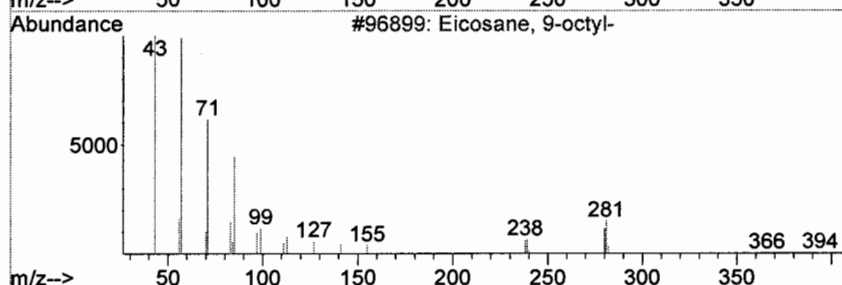
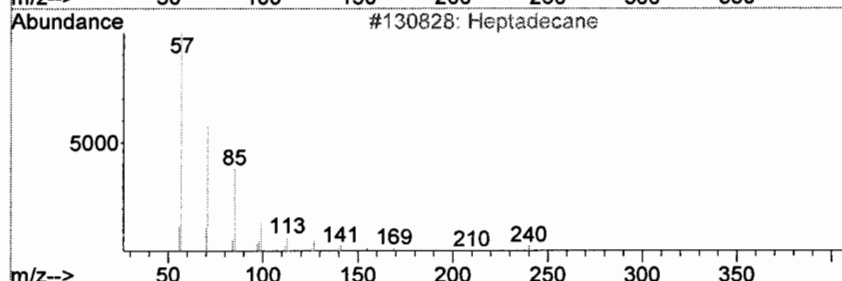
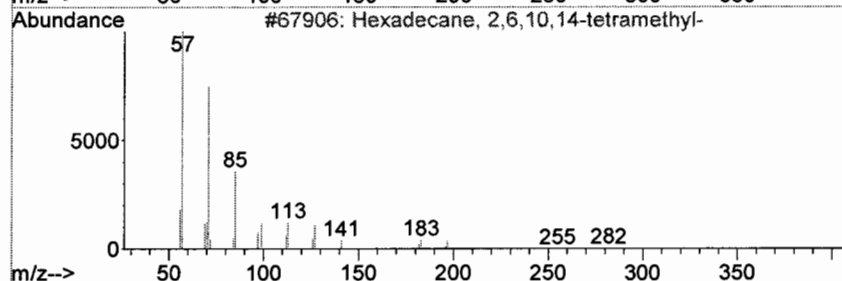
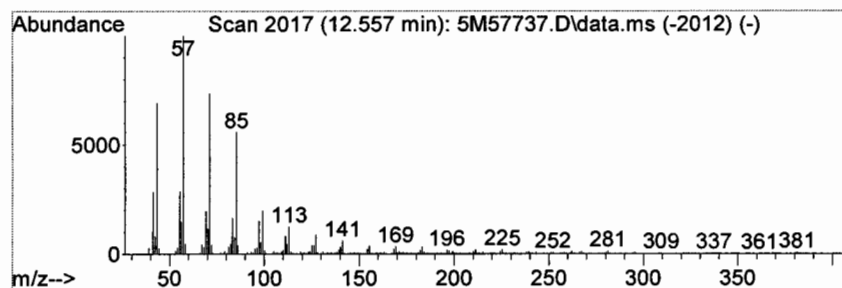
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TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 7 Hexadecane, 2,6,10,14-tetra... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.56	260.82 ng	1590562	LibIS-Phenanthrene-d10	8.84

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	95
2			Heptadecane	240	C17H36	000629-78-7	93
3			Eicosane, 9-octyl-	394	C28H58	013475-77-9	93
4			Eicosane, 9-octyl-	394	C28H58	013475-77-9	93
5			Triacontane	422	C30H62	000638-68-6	91



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_5\Data\05-1110\
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 Sample : AC51387-005
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 ALS Vial : 28 Sample Multiplier: 1

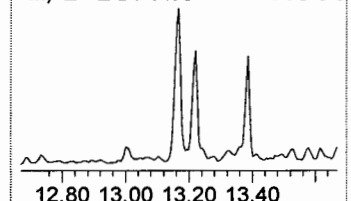
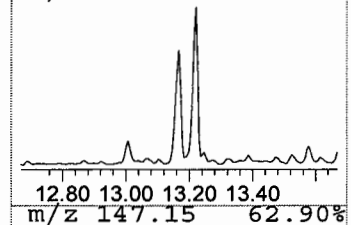
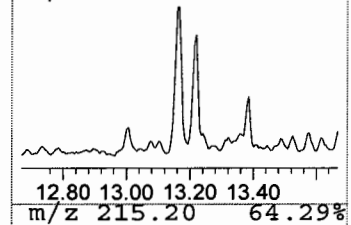
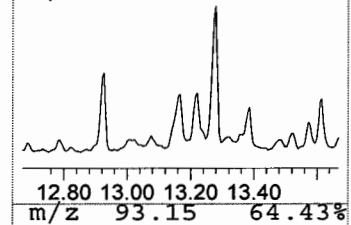
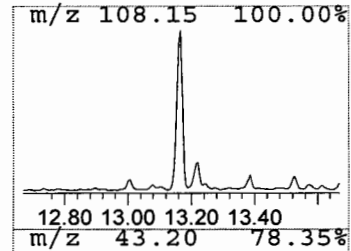
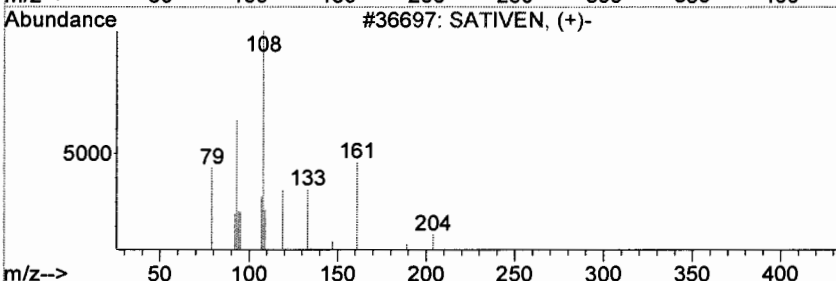
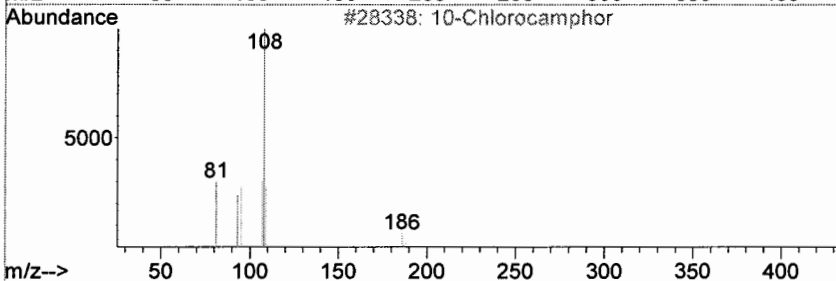
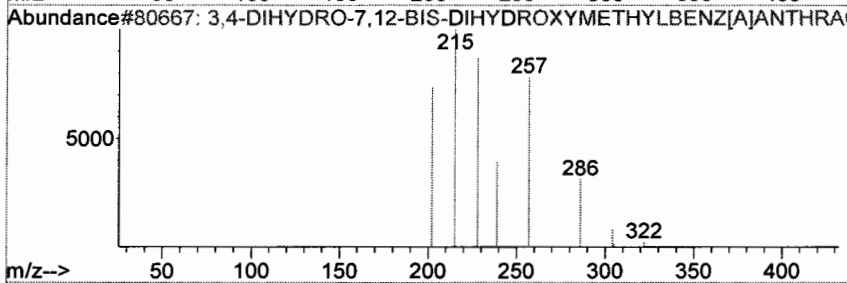
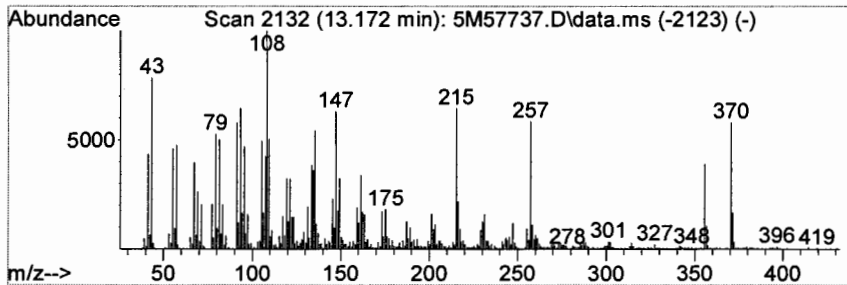
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TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 8 unknown Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.17	462.95 ng	2823192	LibIS-Phenanthrene-d10	8.84

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			3,4-DIHYDRO-7,12-BIS-DIHYDROXYME...	322	C20H18O4	069260-85-1	38
2			10-Chlorocamphor	186	C10H15ClO	091200-93-0	22
3			SATIVEN, (+)-	204	C15H24	003650-28-0	18
4			.ALPHA.-CAMPHOLENE ALDEHYDE	152	C10H16O	026882-03-1	14
5			2-Pyridinemethanol	109	C6H7NO	000586-98-1	14



Library Search Compound Report

Data Path : G:\GCMSData\2010\GCMS_5\Data\05-1110\
 Data File : 5M57737.D
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 Operator : AHD
 Sample : AC51387-005
 Misc : S,BNA
 ALS Vial : 28 Sample Multiplier: 1

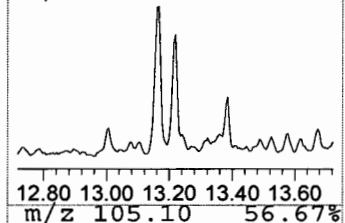
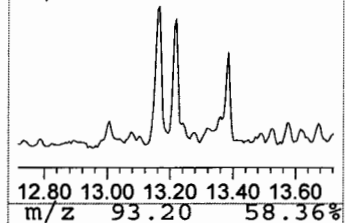
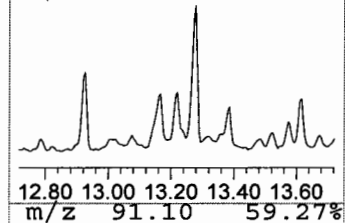
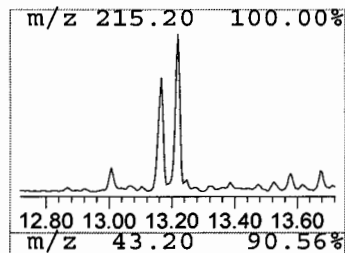
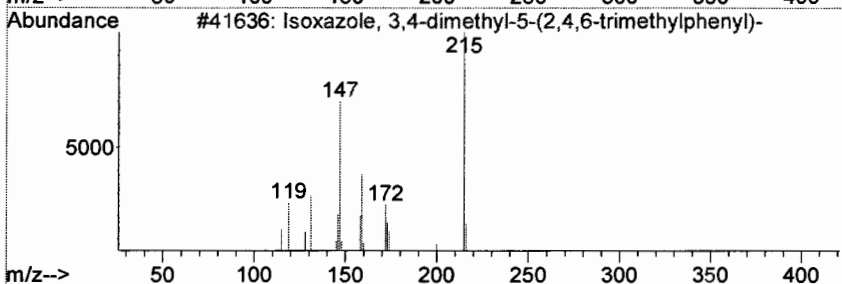
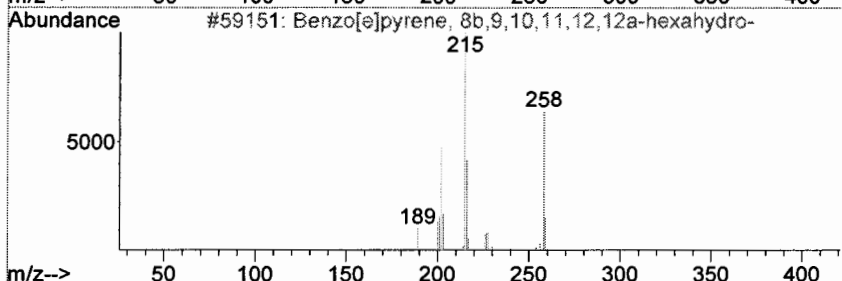
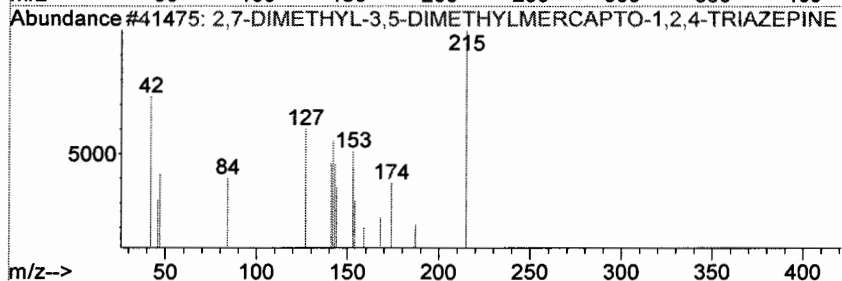
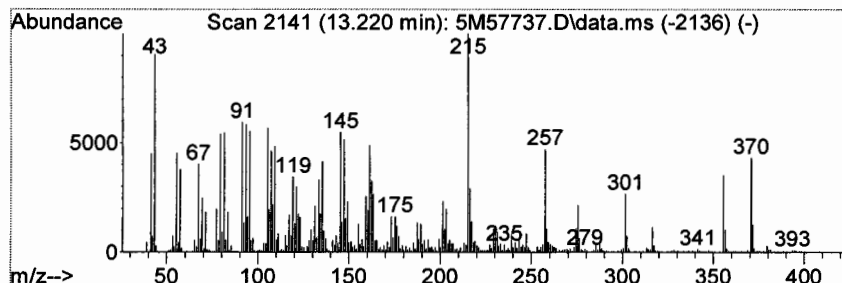
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 Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 9 unknown Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.22	397.65 ng	2424983	LibIS-Phenanthrene-d10	8.84

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2,7-DIMETHYL-3,5-DIMETHYLMERCAPT...	215	C8H13N3S2	066425-11-4	25
2			Benzo[e]pyrene, 8b,9,10,11,12,12...	258	C20H18	086439-17-0	16
3			Isoxazole, 3,4-dimethyl-5-(2,4,6...	215	C14H17NO	061314-49-6	12
4			Indan, 6-tert-butyl-4-ethyl-1,1-...	230	C17H26	003247-65-2	11
5			9-Heptadecene-4,6-diyn-8-ol, (Z)-	246	C17H26O	032768-90-4	10



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_5\Data\05-1110\
 Data File : 5M57737.D
 Acq On : 11 May 2010 20:31
 Operator : AHD
 Sample : AC51387-005
 Misc : S,BNA
 ALS Vial : 28 Sample Multiplier: 1

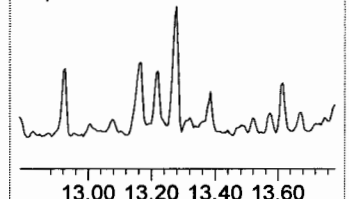
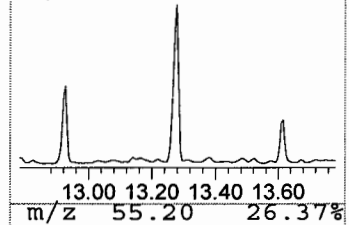
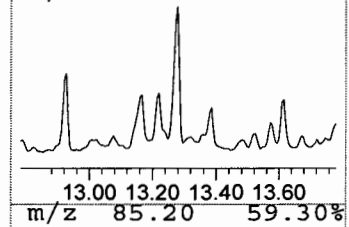
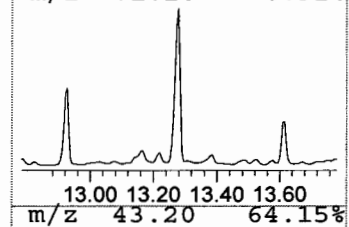
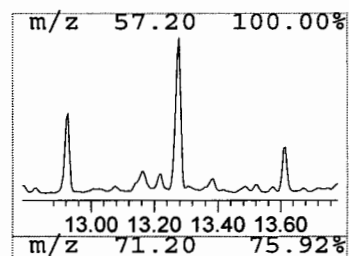
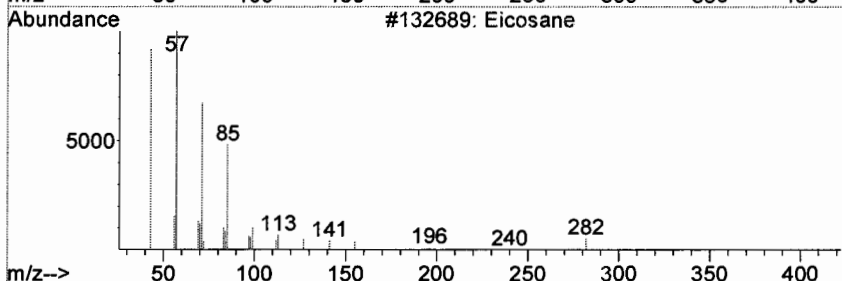
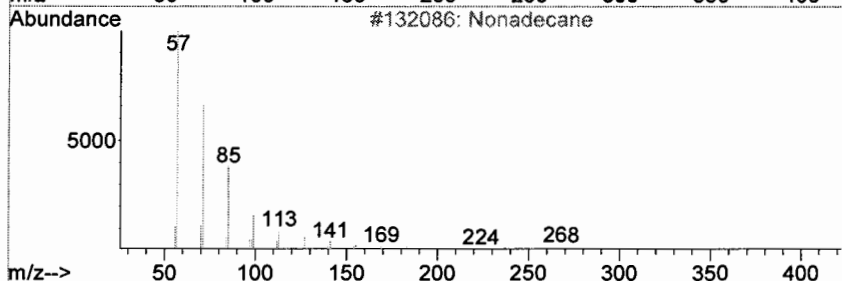
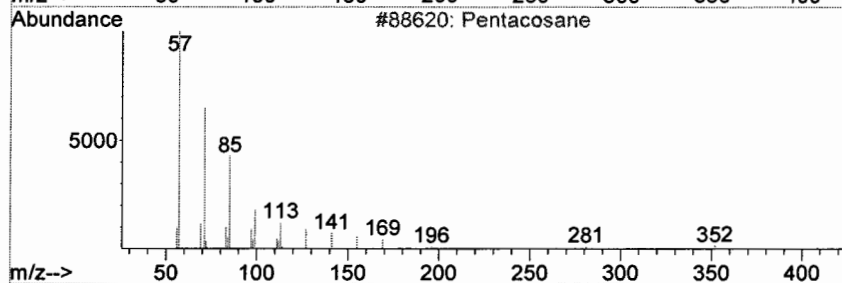
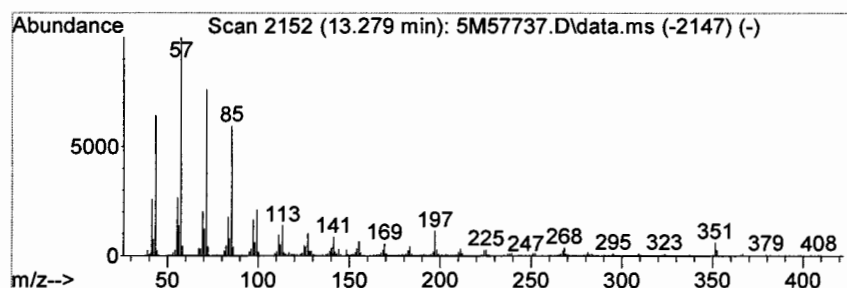
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 Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 10 Pentacosane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.28	387.70 ng	2364327	LibIS-Phenanthrene-d10	8.84

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentacosane	352	C25H52	000629-99-2	99
2			Nonadecane	268	C19H40	000629-92-5	96
3			Eicosane	282	C20H42	000112-95-8	95
4			Nonadecane	268	C19H40	000629-92-5	95
5			Tricosane	324	C23H48	000638-67-5	95



Library Search Compound Report

Data Path : G:\GCMSData\2010\GCMS_5\Data\05-1110\
 Data File : 5M57737.D
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 Operator : AHD
 Sample : AC51387-005
 Misc : S,BNA
 ALS Vial : 28 Sample Multiplier: 1

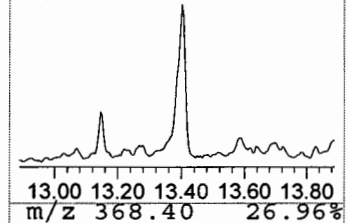
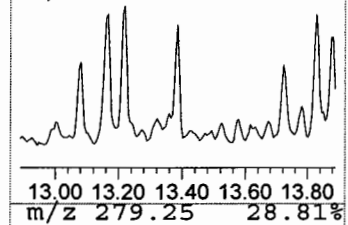
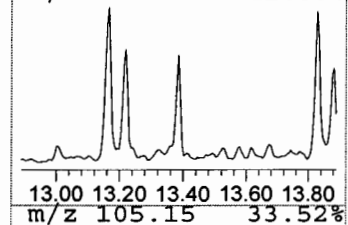
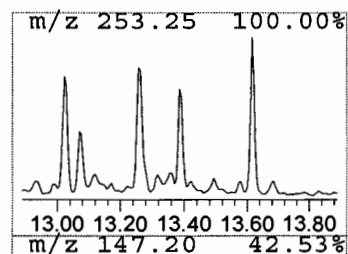
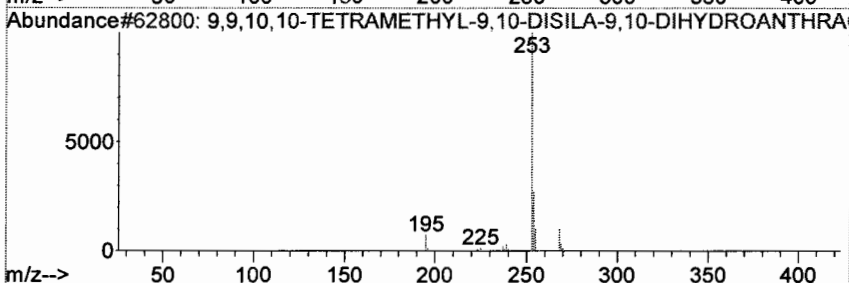
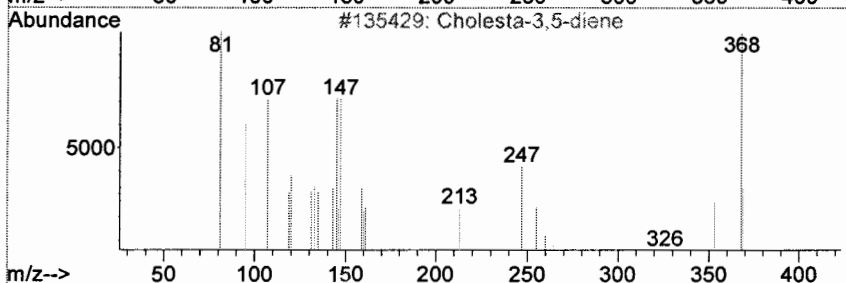
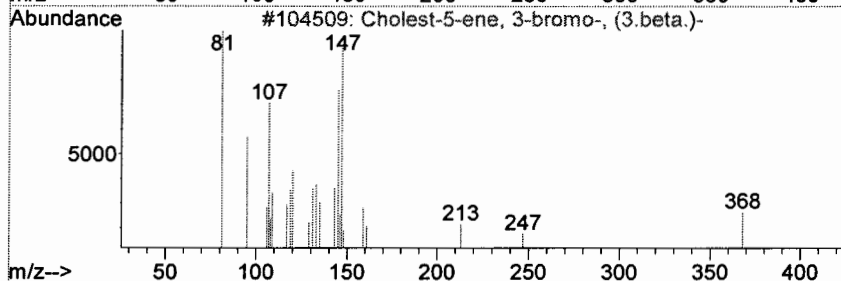
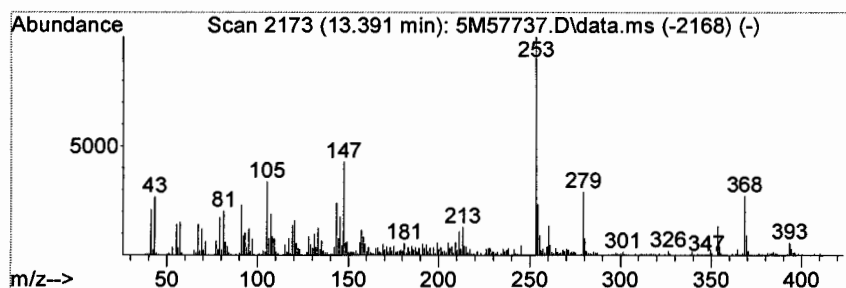
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 Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 11 Cholest-5-ene, 3-bromo-, (3... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.39	204.19 ng	1245190	LibIS-Phenanthrene-d10	8.84

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cholest-5-ene, 3-bromo-, (3.beta.)-	448	C27H45Br	000516-91-6	72
2			Cholesta-3,5-diene	368	C27H44	000747-90-0	55
3			9,9,10,10-TETRAMETHYL-9,10-DISIL...	268	C16H20Si2	033022-24-1	43
4			Cholest-5-en-3-ol (3.beta.)-, ca...	448	C28H45ClO2	007144-08-3	38
5			CYSTATHIONINE-DITMS	366	C13H30N2O4SSi2	000000-00-0	15



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_5\Data\05-1110\
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 Sample : AC51387-005
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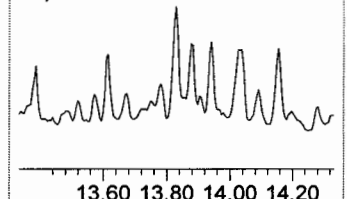
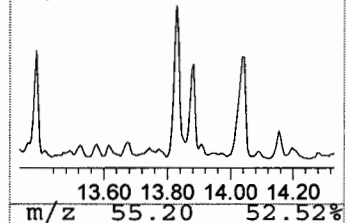
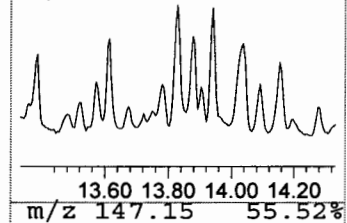
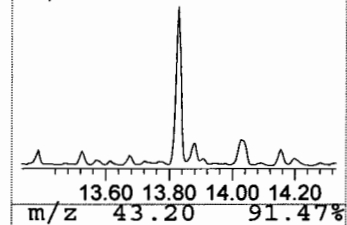
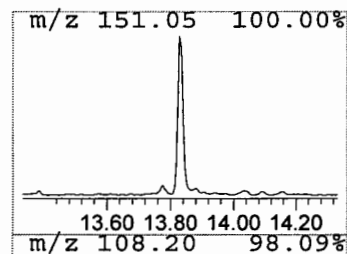
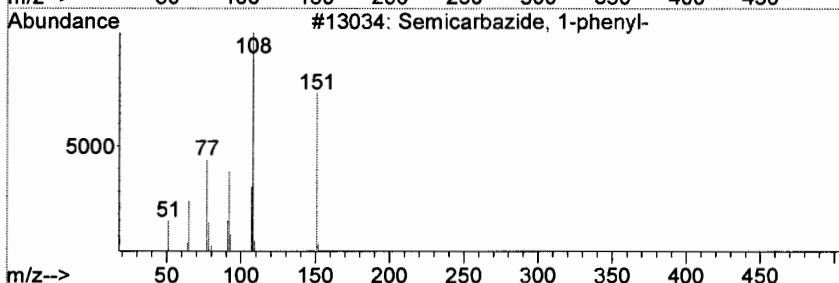
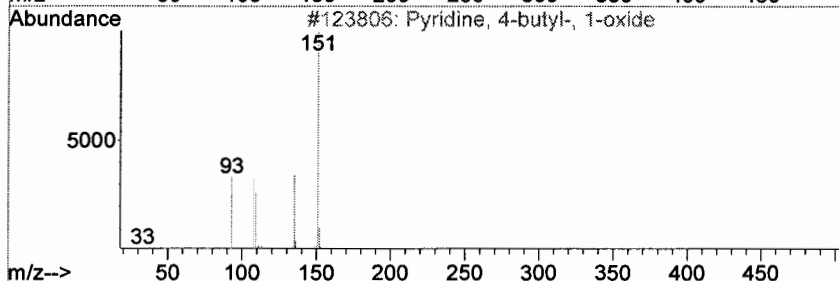
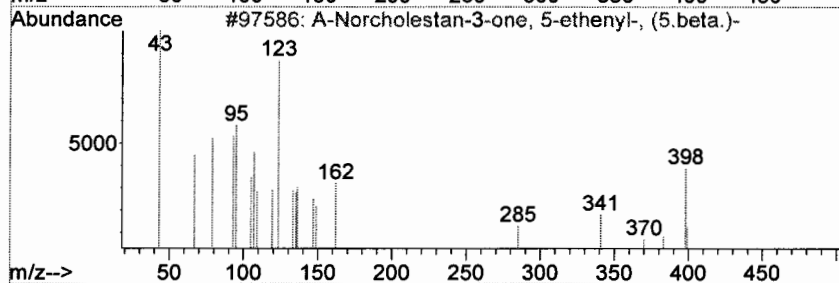
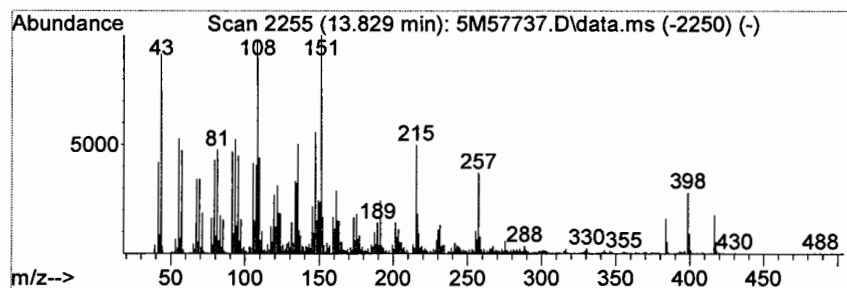
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TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 12 unknown Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.83	412.83 ng	2517583	LibIS-Phenanthrene-d10	8.84

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			A-Norcholestan-3-one, 5-ethenyl-...	398	C28H46O	019594-90-2	47
2			Pyridine, 4-butyl-, 1-oxide	151	C9H13NO	031396-34-6	35
3			Semicarbazide, 1-phenyl-	151	C7H9N3O	000103-03-7	35
4			Pyridine, 4-butyl-, 1-oxide	151	C9H13NO	031396-34-6	30
5			5.alpha.-Ergost-8(14)-ene	384	C28H48	006673-69-4	27



Library Search Compound Report

Data Path : G:\GCMSData\2010\GCMS_5\Data\05-1110\
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 Operator : AHD
 Sample : AC51387-005
 Misc : S,BNA
 ALS Vial : 28 Sample Multiplier: 1

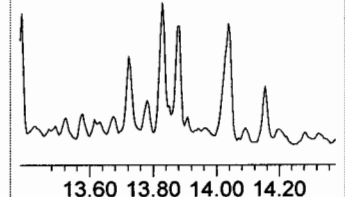
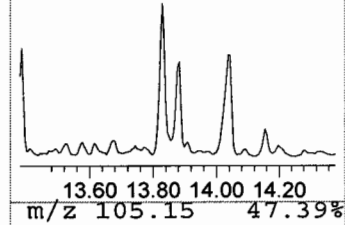
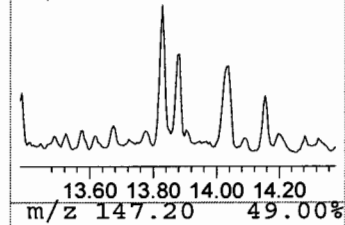
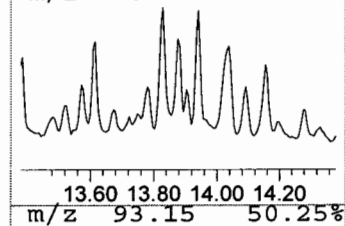
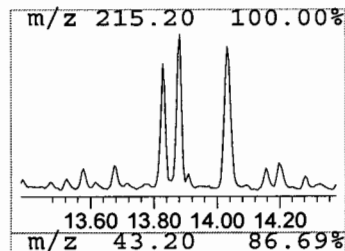
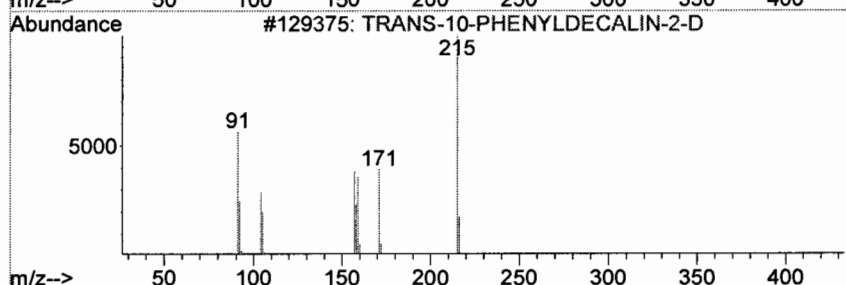
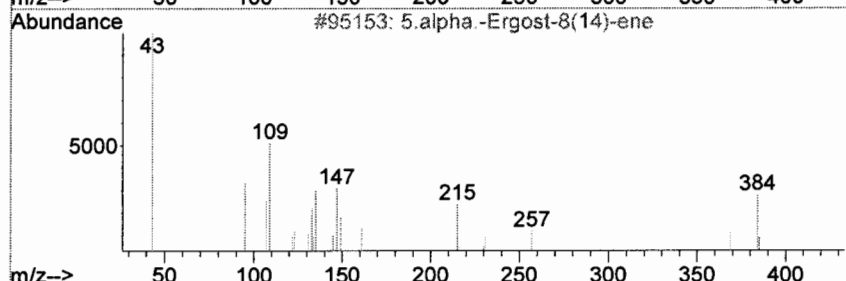
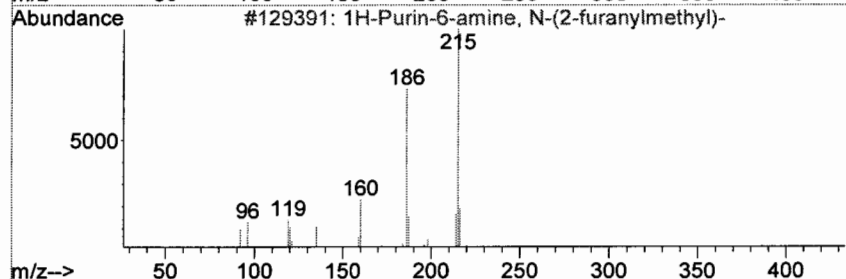
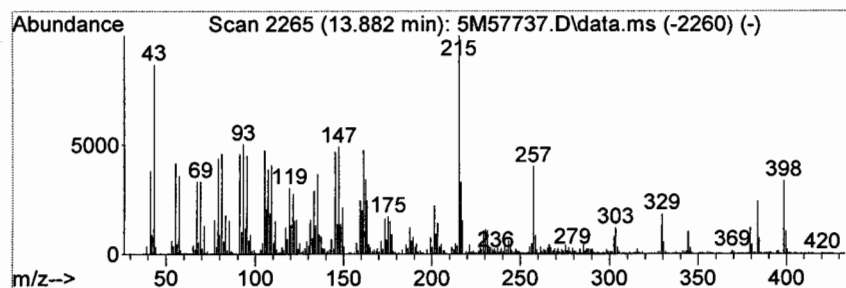
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 Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 13 unknown Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.88	237.50 ng	1448345	LibIS-Phenanthrene-d10	8.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Purin-6-amine, N-(2-furanylme...	215	C10H9N5O	000525-79-1	10
2		5.alpha.-Ergost-8(14)-ene	384	C28H48	006673-69-4	10
3		TRANS-10-PHENYLDECALIN-2-D	214	C16H21D	027863-65-6	9
4		Naphthalen-1,4-imine-9-carboxyli...	215	C13H13NO2	039996-25-3	9
5		STYRENE, 2,4,5-TRIISOPROPYL-	230	C17H26	000000-00-0	9



Library Search Compound Report

Data Path : G:\GCMSData\2010\GCMS_5\Data\05-1110\
 Data File : 5M57737.D
 Acq On : 11 May 2010 20:31
 Operator : AHD
 Sample : AC51387-005
 Misc : S,BNA
 ALS Vial : 28 Sample Multiplier: 1

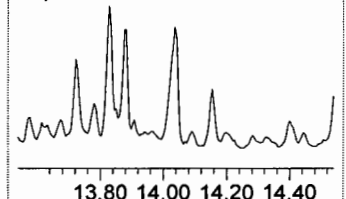
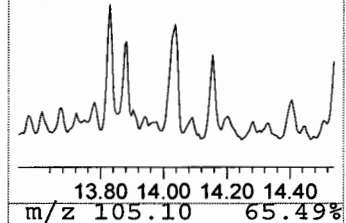
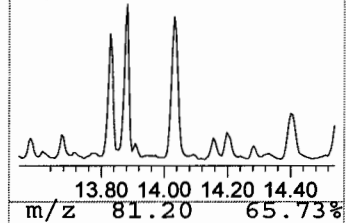
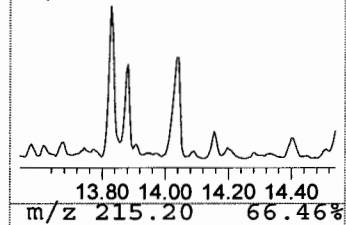
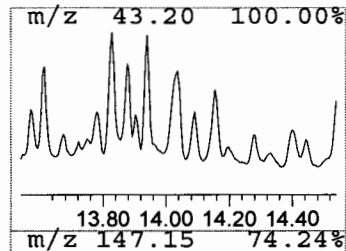
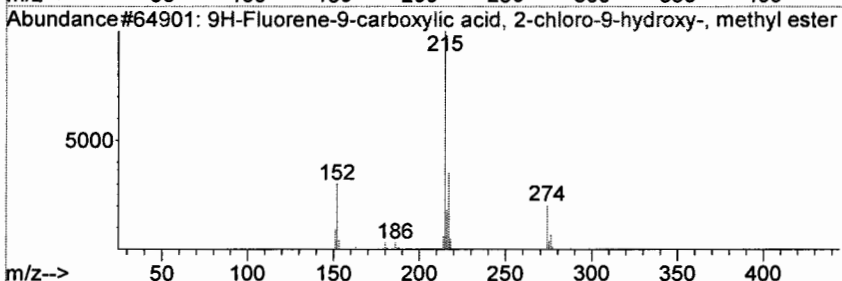
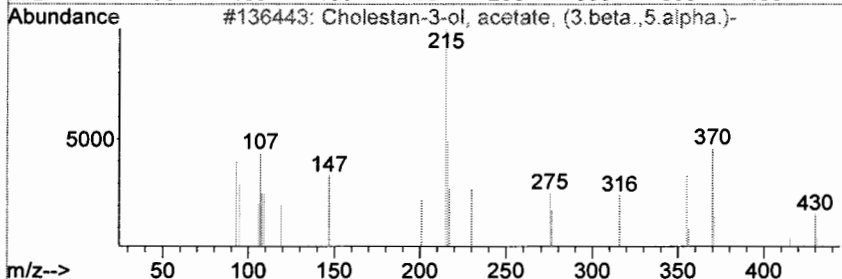
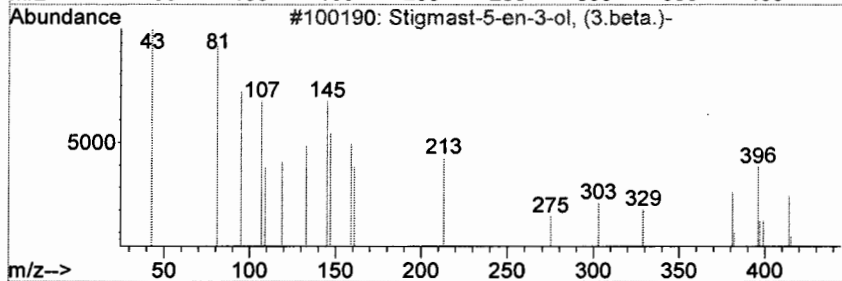
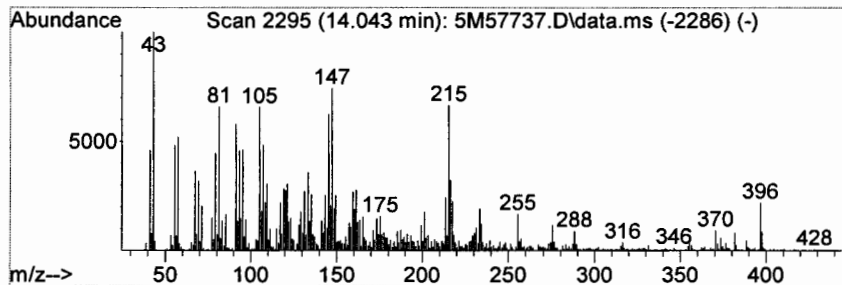
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 Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 14 unknown Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.04	417.55 ng	2546315	LibIS-Phenanthrene-d10	8.84

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Stigmast-5-en-3-ol, (3.beta.)-	414	C29H50O	000083-46-5	41
2			Cholestan-3-ol, acetate, (3.beta.)...	430	C29H50O2	001255-88-5	37
3			9H-Fluorene-9-carboxylic acid, 2...	274	C15H11ClO3	002536-31-4	37
4			Isoxazole, 3,4-dimethyl-5-(2,4,6...	215	C14H17NO	061314-49-6	30
5			10-METHYLPYRAZINO[2,3-B][1,4]BEN...	215	C11H9N3S	064329-54-0	27



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_5\Data\05-1110\
 Data File : 5M57737.D
 Acq On : 11 May 2010 20:31
 Operator : AHD
 Sample : AC51387-005
 Misc : S,BNA
 ALS Vial : 28 Sample Multiplier: 1

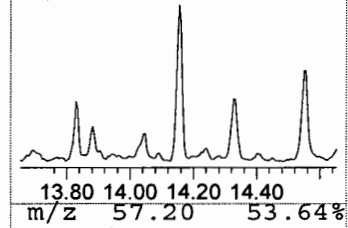
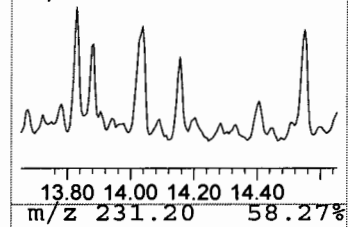
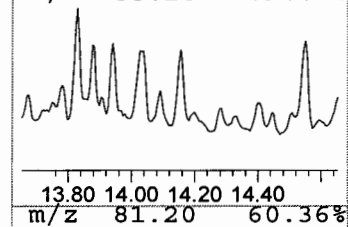
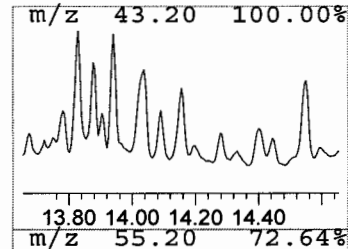
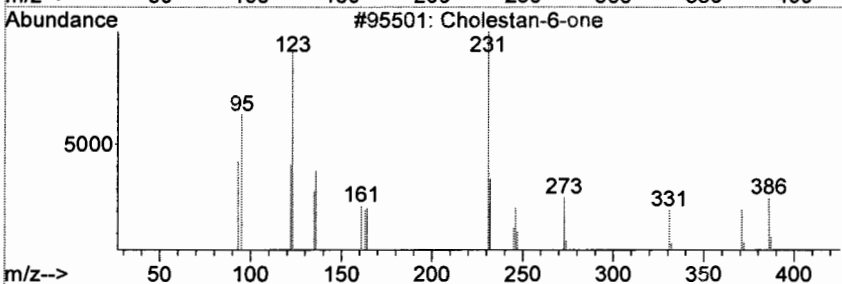
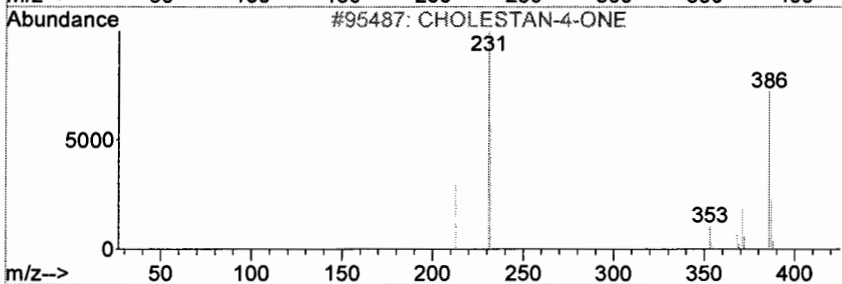
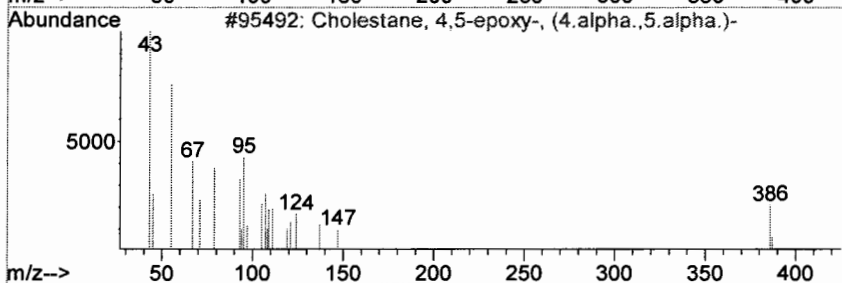
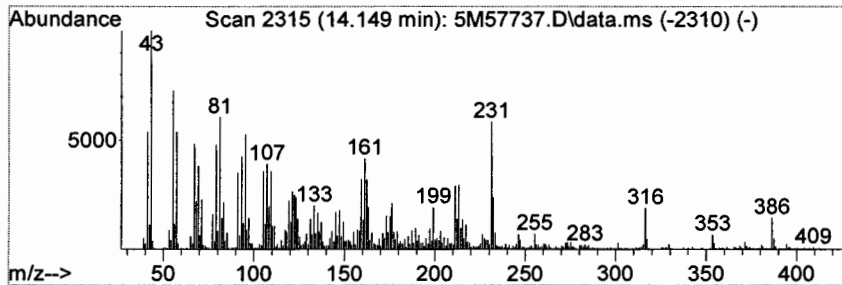
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 Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 15 Cholestane, 4,5-epoxy-, (4.... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.15	248.79 ng	1517188	LibIS-Phenanthrene-d10	8.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cholestane, 4,5-epoxy-, (4.alpha...	386	C27H46O	006079-19-2	55
2		CHOLESTAN-4-ONE	386	C27H46O	000566-51-8	47
3		Cholestan-6-one	386	C27H46O	022033-82-5	30
4		3,5,6-TRICHLORO-N-METHYL-2-PYRIDONE	211	C6H4Cl3NO	000000-00-0	16
5		Cholestan-3-one	386	C27H46O	015600-08-5	15



Library Search Compound Report

Data Path : G:\GCMSData\2010\GCMS_5\Data\05-1110\
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 Operator : AHD
 Sample : AC51387-005
 Misc : S,BNA
 ALS Vial : 28 Sample Multiplier: 1

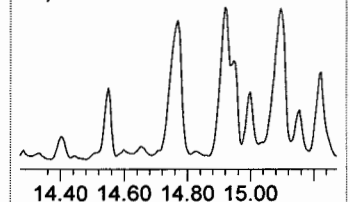
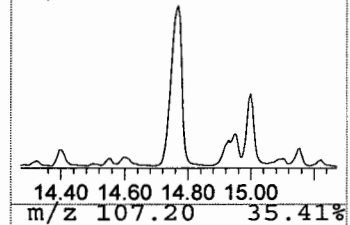
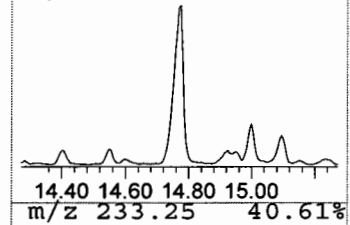
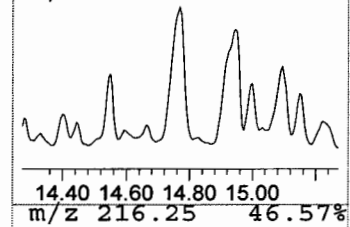
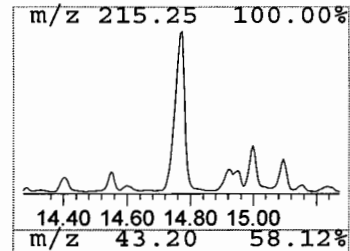
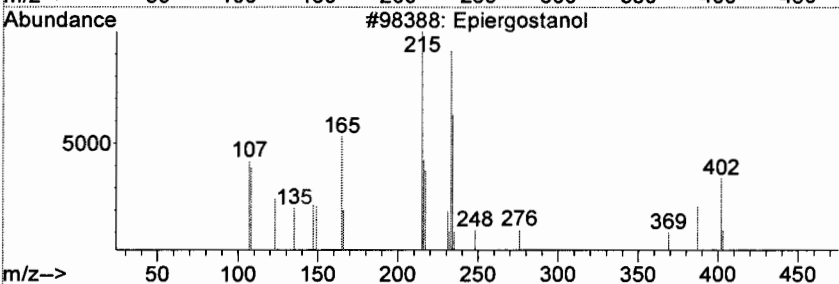
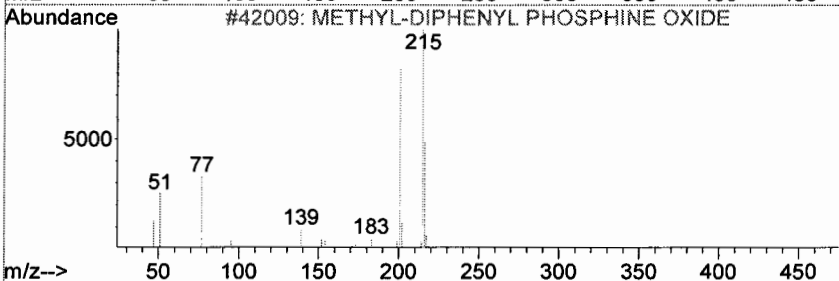
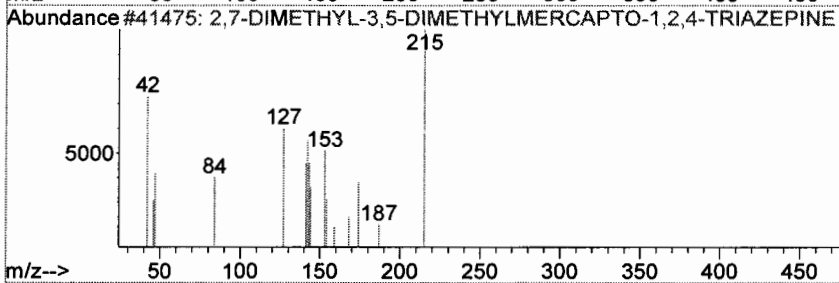
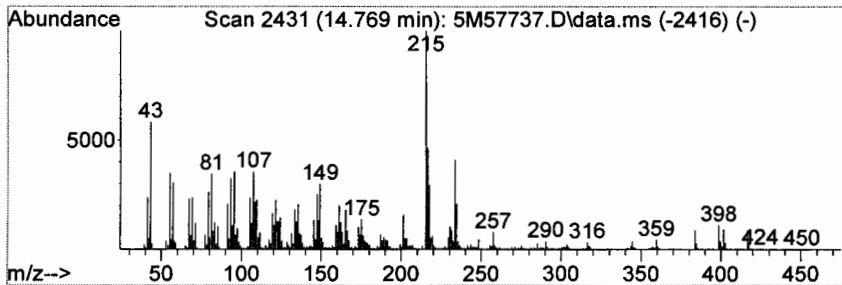
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 Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 16 unknown Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.77	1144.71 ng	6980795	LibIS-Phenanthrene-d10	8.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2,7-DIMETHYL-3,5-DIMETHYLMERCAPT...	215	C8H13N3S2	066425-11-4	38
2		METHYL-DIPHENYL PHOSPHINE OXIDE	216	C13H13OP	002129-89-7	38
3		Epiergostanol	402	C28H50O	006538-02-9	27
4		STYRENE, 2,4,5-TRIISOPROPYL-	230	C17H26	000000-00-0	27
5		Cholestane, 3-ethoxy-, (3.beta.,...	416	C29H52O	002089-02-3	25



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_5\Data\05-1110\
 Data File : 5M57737.D
 Acq On : 11 May 2010 20:31
 Operator : AHD
 Sample : AC51387-005
 Misc : S,BNA
 ALS Vial : 28 Sample Multiplier: 1

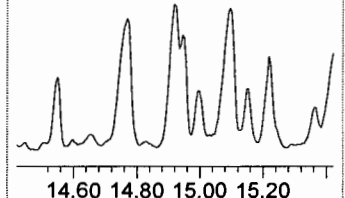
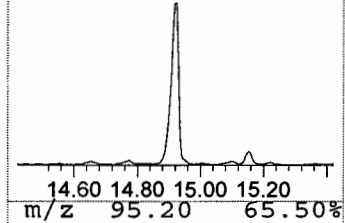
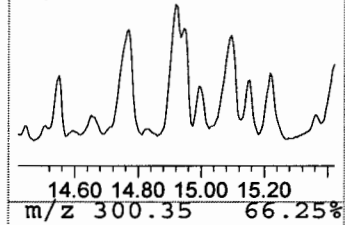
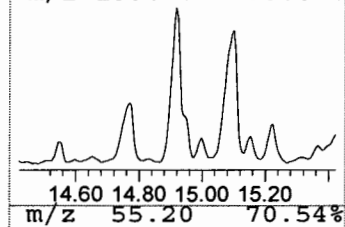
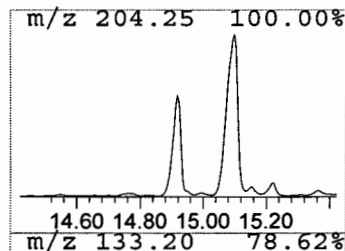
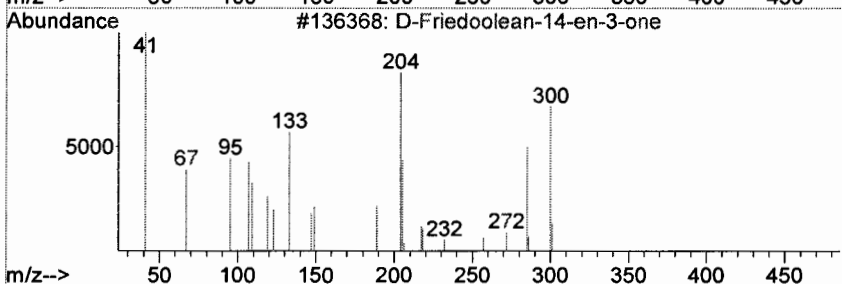
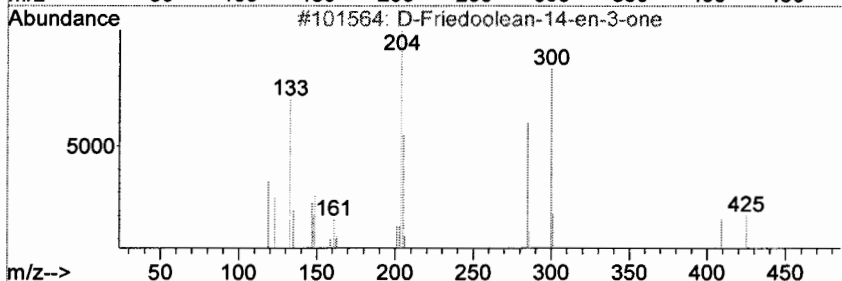
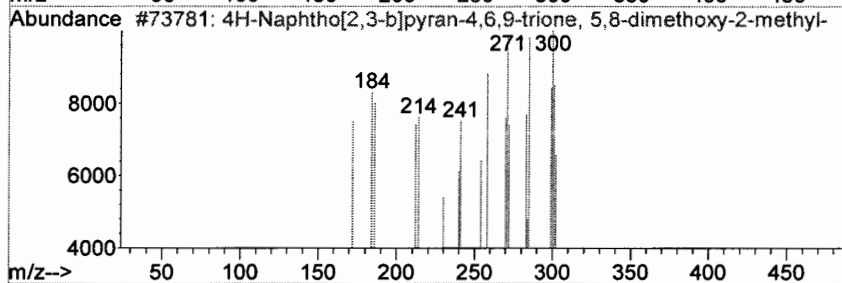
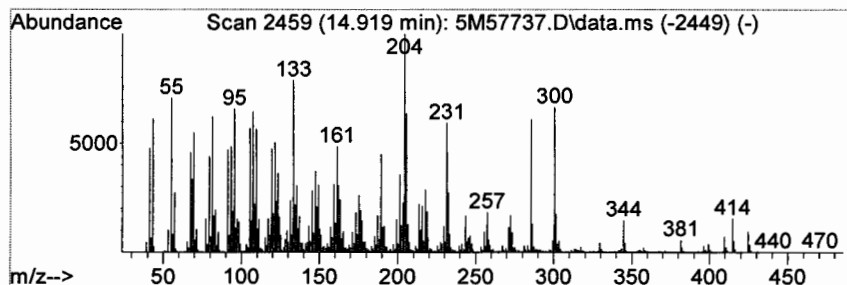
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 Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 17 4H-Naphtho[2,3-b]pyran-4,6,... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.92	1128.35 ng	6881011	LibIS-Phenanthrene-d10	8.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4H-Naphtho[2,3-b]pyran-4,6,9-tri...	300	C16H12O6	019206-58-7	90
2		D-Friedoolean-14-en-3-one	424	C30H48O	000514-07-8	89
3		D-Friedoolean-14-en-3-one	424	C30H48O	000514-07-8	81
4		(+)-Aromadendrene	204	C15H24	000489-39-4	60
5		.beta.-Patchoulene	204	C15H24	000514-51-2	50



Library Search Compound Report

Data Path : G:\GCMSData\2010\GCMS_5\Data\05-1110\
 Data File : 5M57737.D
 Acq On : 11 May 2010 20:31
 Operator : AHD
 Sample : AC51387-005
 Misc : S,BNA
 ALS Vial : 28 Sample Multiplier: 1

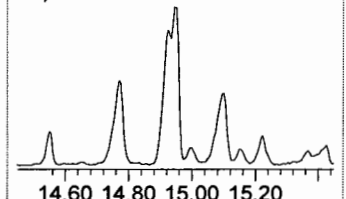
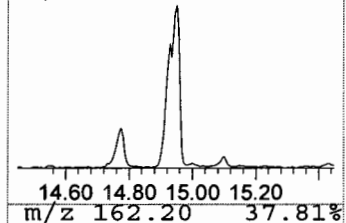
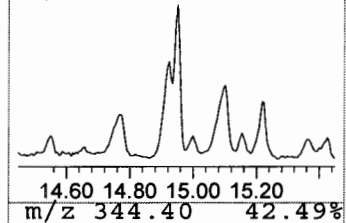
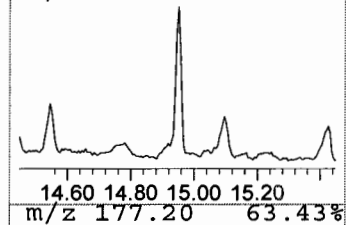
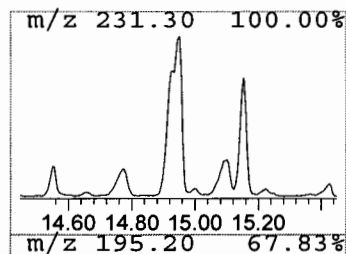
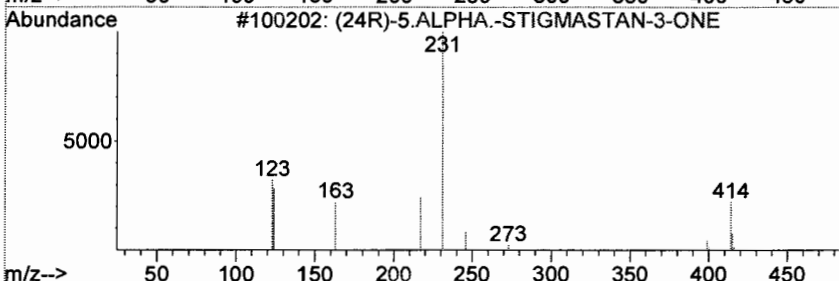
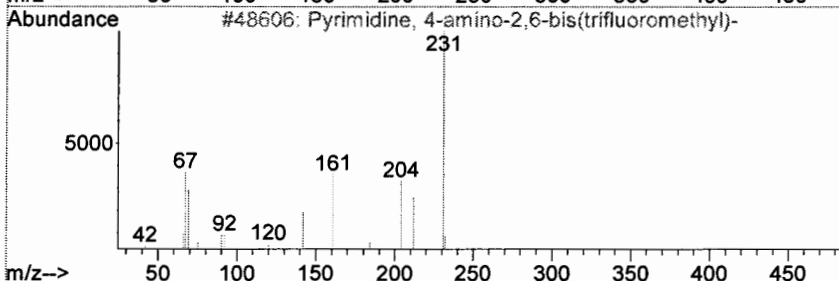
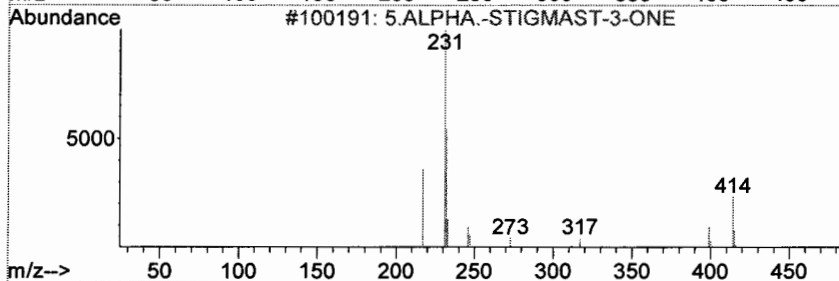
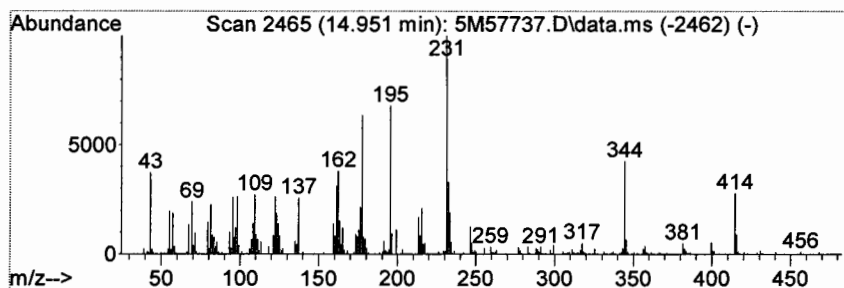
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 Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 18 unknown Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.95	517.15 ng	3153751	LibIS-Phenanthrene-d10	8.84

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			5.ALPHA.-STIGMAST-3-ONE	414	C29H50O	000083-46-5	33
2			Pyrimidine, 4-amino-2,6-bis(trif...	231	C6H3F6N3	000717-61-3	22
3			(24R)-5.ALPHA.-STIGMASTAN-3-ONE	414	C29H50O	005060-25-3	22
4			Phosphinic acid, (2-methylphenyl...	232	C13H13O2P	018593-18-5	18
5			Benzene, 1,3,5-tris(1,1-dimethyl...	246	C18H30	001460-02-2	14



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_5\Data\05-1110\
 Data File : 5M57737.D
 Acq On : 11 May 2010 20:31
 Operator : AHD
 Sample : AC51387-005
 Misc : S,BNA
 ALS Vial : 28 Sample Multiplier: 1

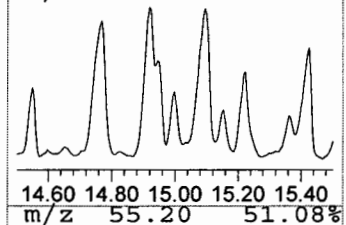
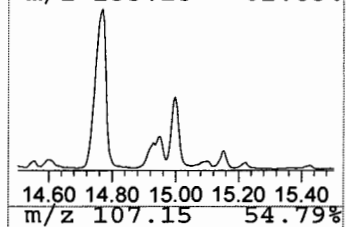
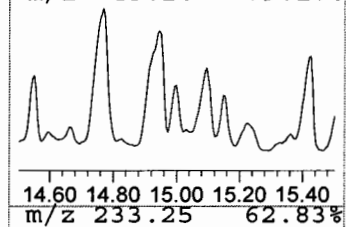
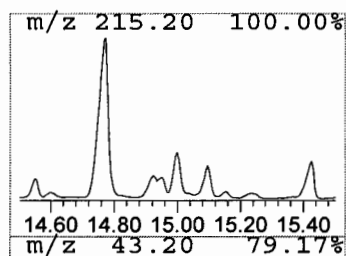
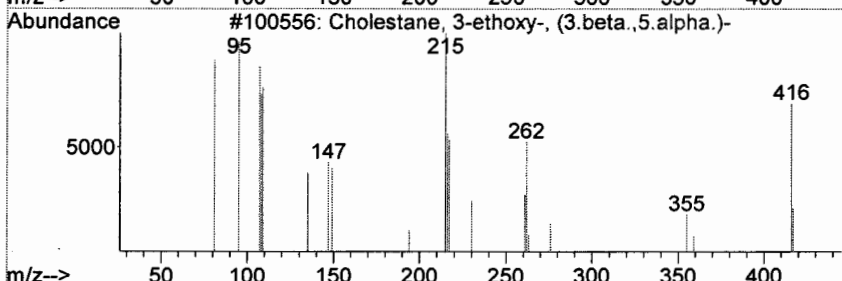
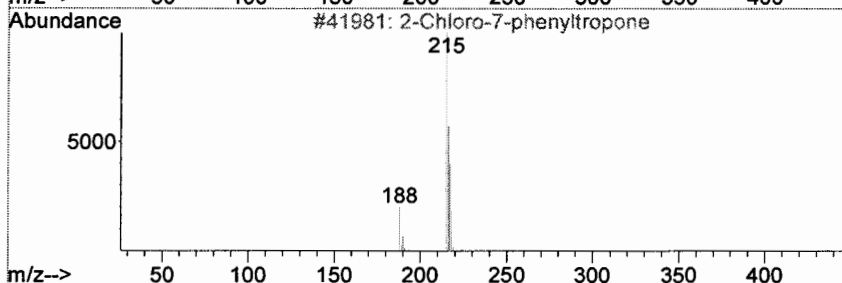
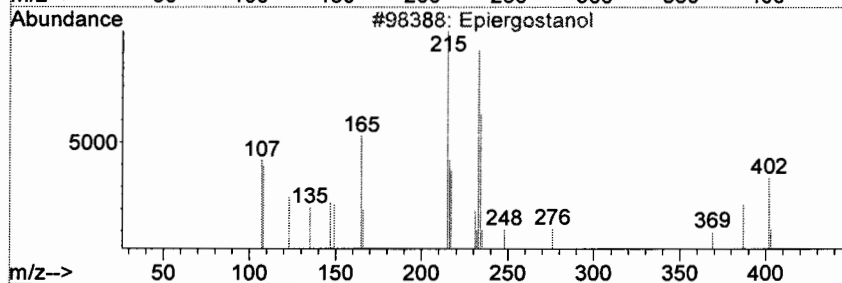
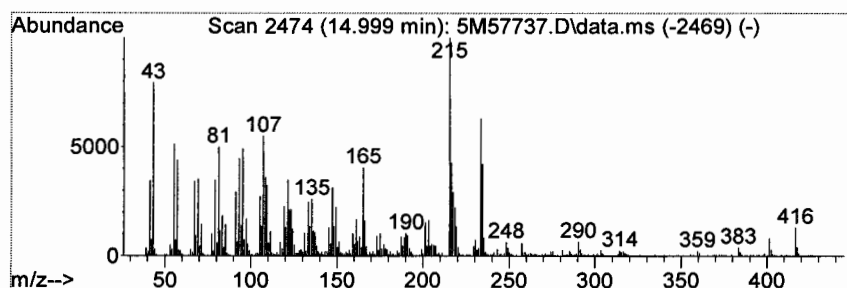
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 Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 19 unknown Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.00	240.66 ng	1467633	LibIS-Phenanthrene-d10	8.84

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Epiergostanol	402	C28H50O	006538-02-9	46
2			2-Chloro-7-phenyltropone	216	C13H9ClO	090128-01-1	37
3			Cholestane, 3-ethoxy-, (3.beta.,...	416	C29H52O	002089-02-3	35
4			METHYL-DIPHENYL PHOSPHINE OXIDE	216	C13H13OP	002129-89-7	12
5			Cholestane, 3-ethoxy-, (3.beta.,...	416	C29H52O	002089-02-3	12



Library Search Compound Report

Data Path : G:\GCMSData\2010\GCMS_5\Data\05-1110\
 Data File : 5M57737.D
 Acq On : 11 May 2010 20:31
 Operator : AHD
 Sample : AC51387-005
 Misc : S,BNA
 ALS Vial : 28 Sample Multiplier: 1

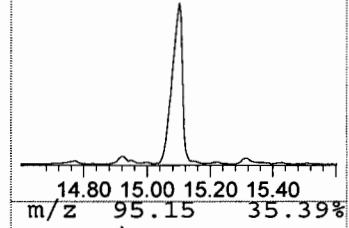
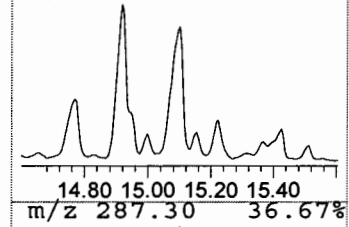
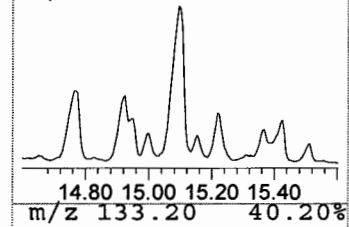
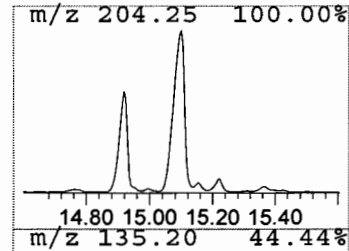
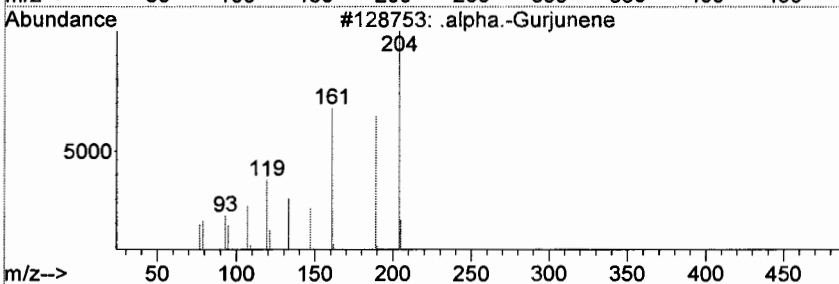
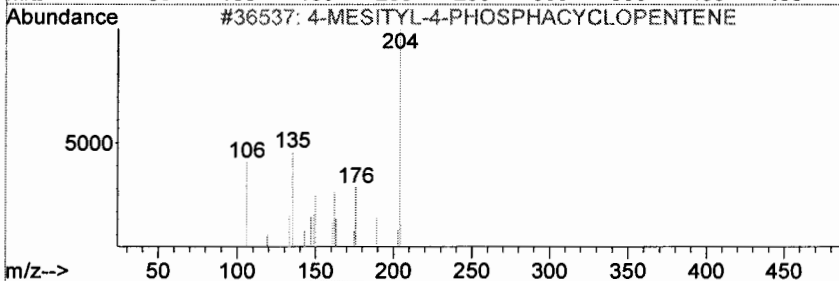
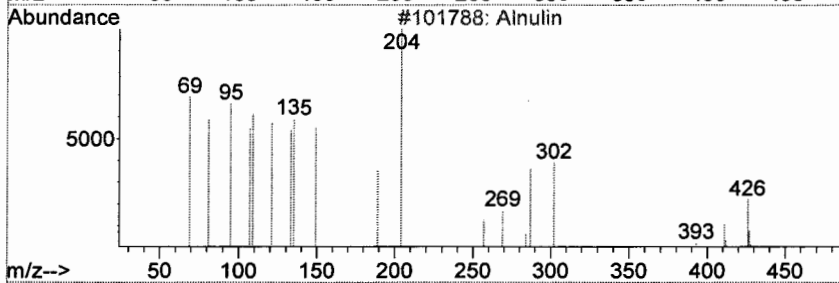
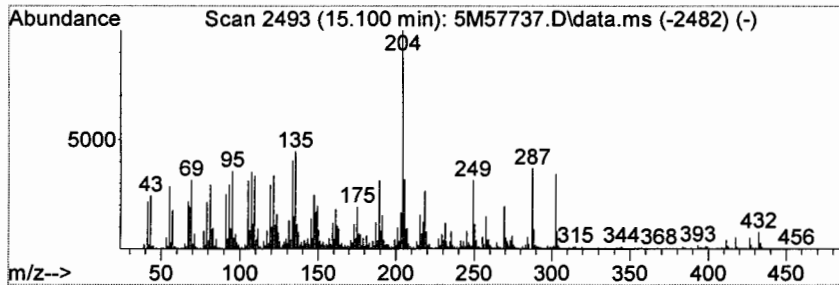
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 Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 20 Alnulin Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.10	1239.95 ng	7561588	LibIS-Phenanthrene-d10	8.84

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Alnulin	426	C30H50O	000127-22-0	64
2			4-MESITYL-4-PHOSPHACYCLOPENTENE	204	C13H17P	000000-00-0	43
3			.alpha.-Gurjunene	204	C15H24	000489-40-7	38
4			.alpha.-Gurjunene	204	C15H24	000489-40-7	35
5			(+,-)-.beta.-Himachalene	204	C15H24	017928-54-0	35



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_5\Data\05-1110\
 Data File : 5M57737.D
 Acq On : 11 May 2010 20:31
 Operator : AHD
 Sample : AC51387-005
 Misc : S,BNA
 ALS Vial : 28 Sample Multiplier: 1

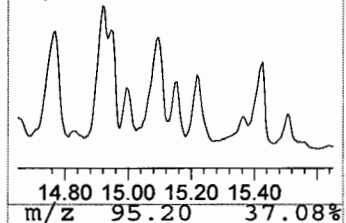
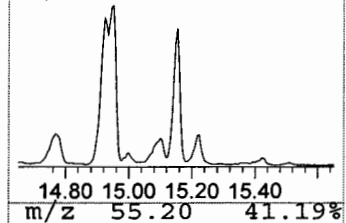
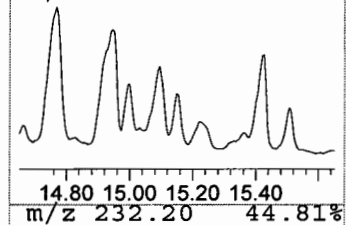
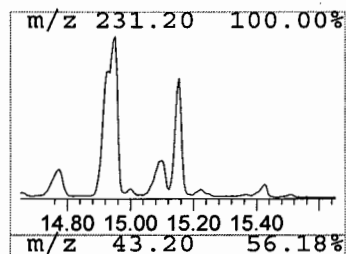
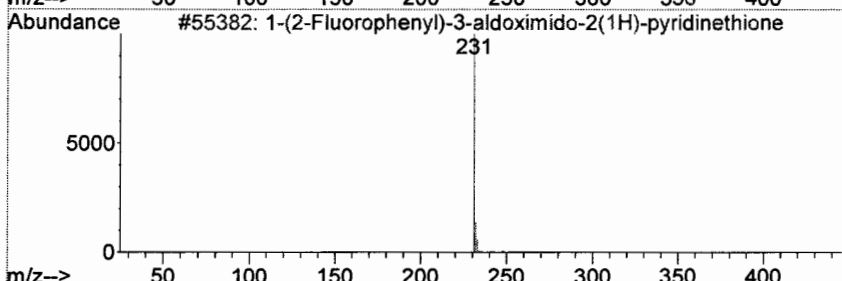
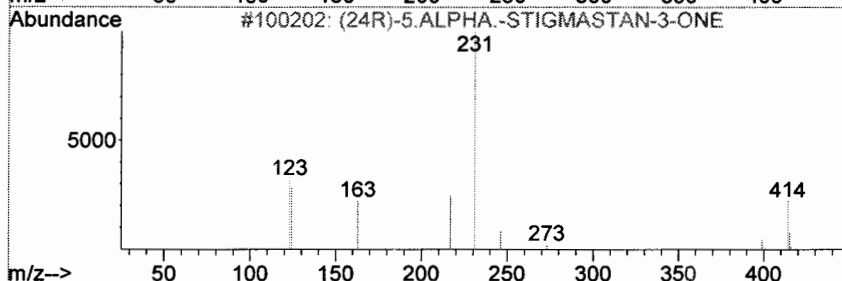
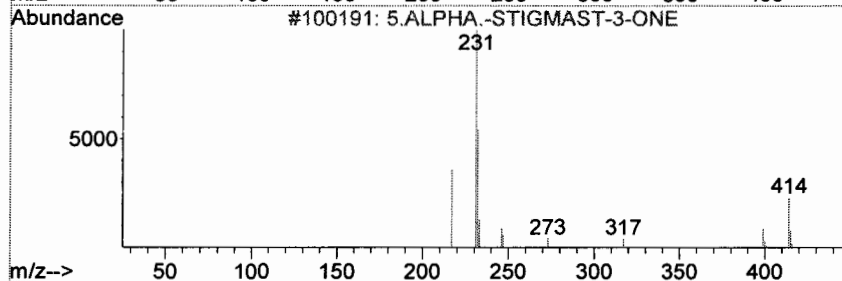
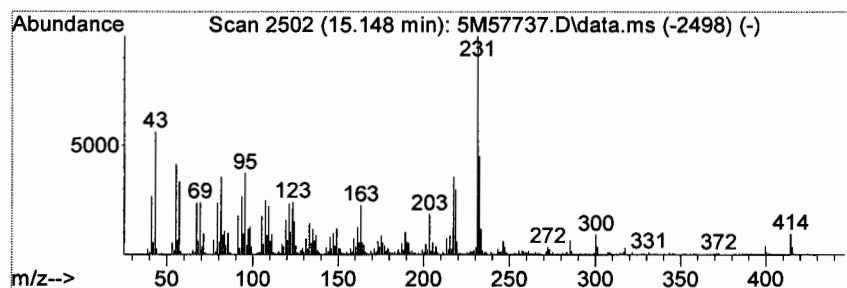
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 Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 21 5.ALPHA.-STIGMAST-3-ONE Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.15	265.09 ng	1616621	LibIS-Phenanthrene-d10	8.84

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			5.ALPHA.-STIGMAST-3-ONE	414	C29H50O	000083-46-5	70
2			(24R)-5.ALPHA.-STIGMASTAN-3-ONE	414	C29H50O	005060-25-3	43
3			1-(2-Fluorophenyl)-3-aldoximido-...	248	C12H9FN2OS	091540-39-5	40
4			(24S)-5.ALPHA.-ERGOSTAN-3-ONE	400	C28H48O	059461-38-0	37
5			2-Propenoic acid, 2-cyano-3-(4-m...	231	C13H13NO3	002286-29-5	25



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_5\Data\05-1110\
 Data File : 5M57737.D
 Acq On : 11 May 2010 20:31
 Operator : AHD
 Sample : AC51387-005
 Misc : S,BNA
 ALS Vial : 28 Sample Multiplier: 1

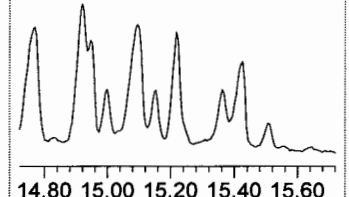
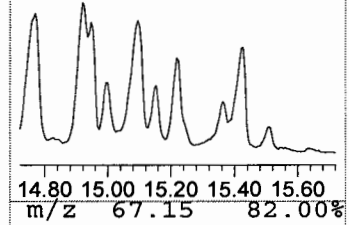
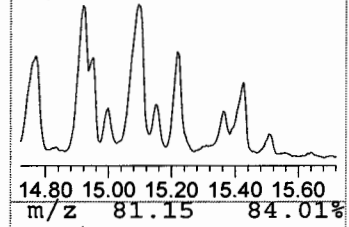
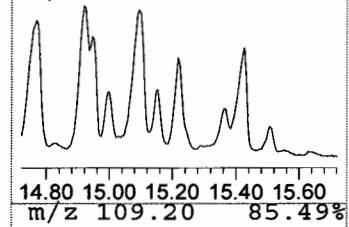
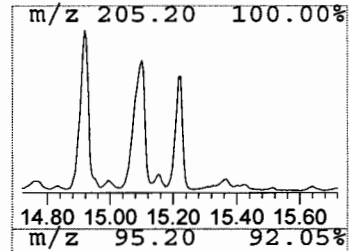
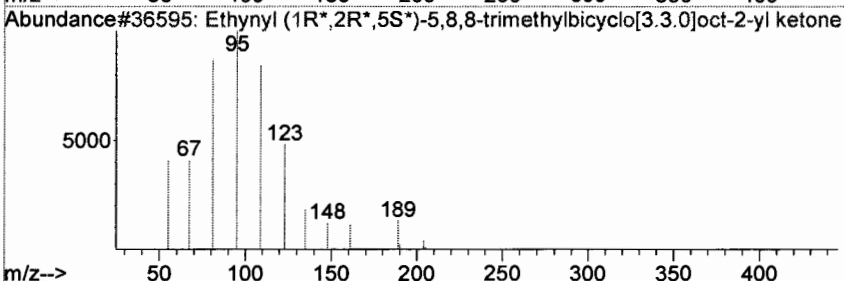
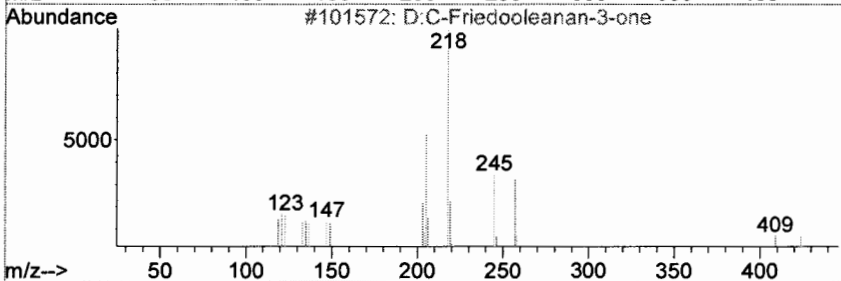
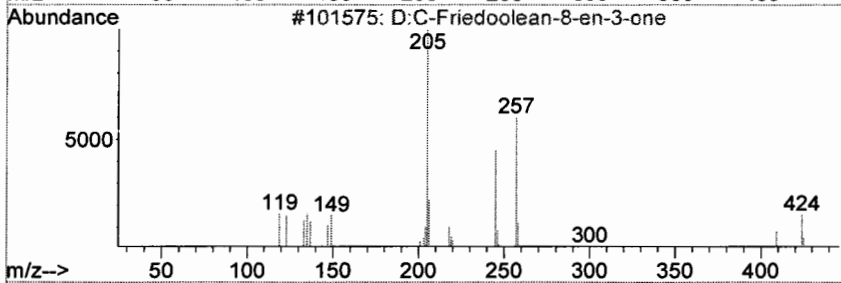
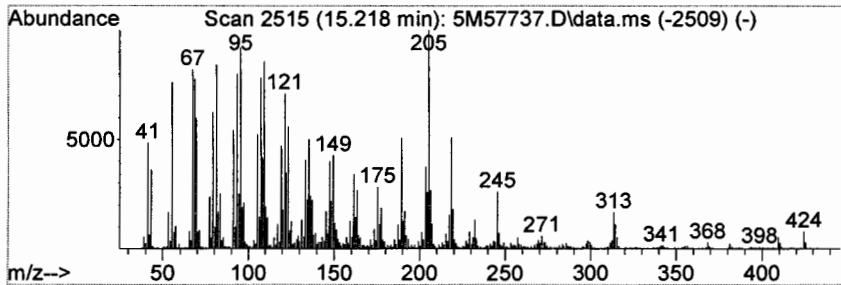
Quant Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0430.M
 Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 22 D:C-Friedoolean-8-en-3-one Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.22	473.03 ng	2884697	LibIS-Phenanthrene-d10	8.84

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			D:C-Friedoolean-8-en-3-one	424	C30H48O	022611-26-3	64
2			D:C-Friedooleanan-3-one	424	C30H48O	005945-53-9	60
3			Ethynyl (1R*,2R*,5S*)-5,8,8-trim...	204	C14H20O	085544-99-6	49
4			6,10-DIMETHYL-3-(1-METHYLETHYLID...	206	C15H26	069239-71-0	40
5			Naphthalene, 1,2,3,4,4a,5,6,8a-o...	204	C15H24	000473-13-2	38



Library Search Compound Report

Data Path : G:\GCMSData\2010\GCMS_5\Data\05-1110\
 Data File : 5M57737.D
 Acq On : 11 May 2010 20:31
 Operator : AHD
 Sample : AC51387-005
 Misc : S,BNA
 ALS Vial : 28 Sample Multiplier: 1

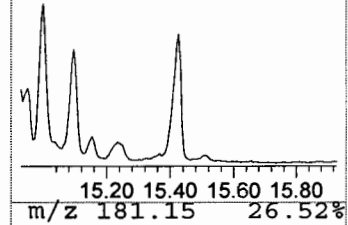
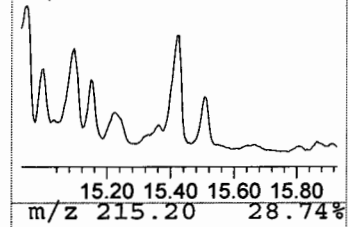
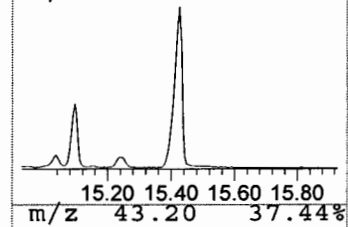
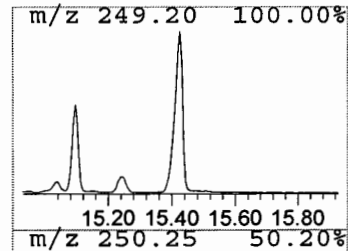
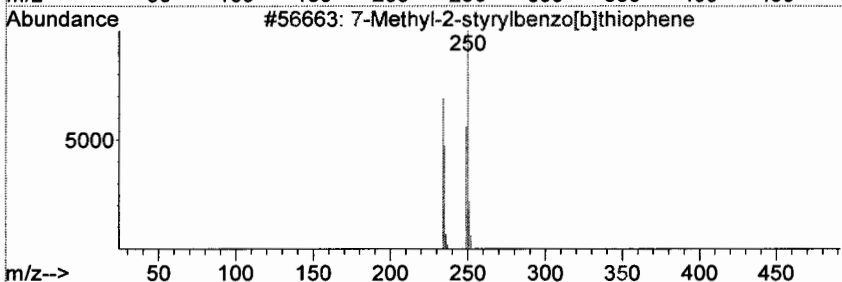
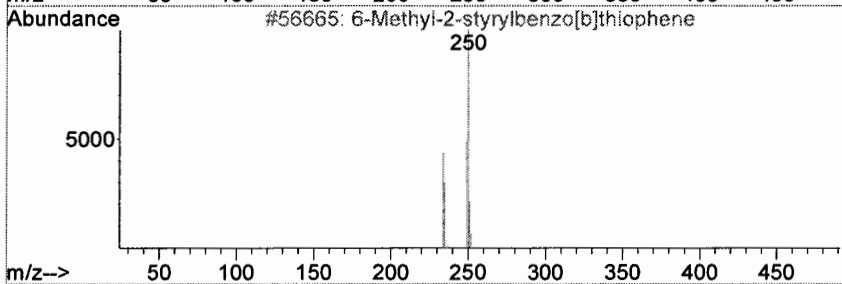
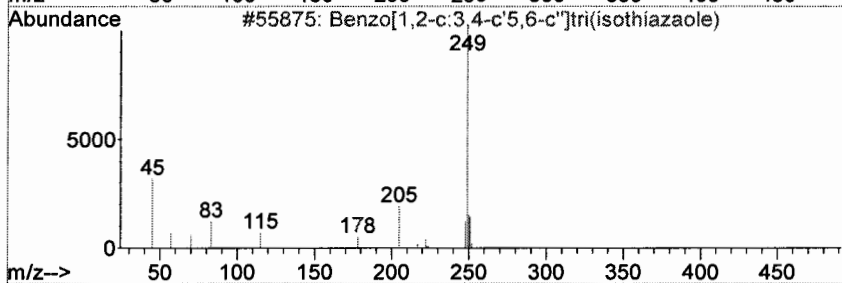
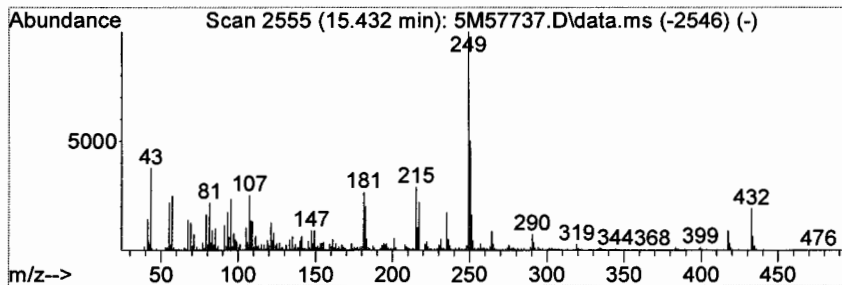
Quant Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0430.M
 Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 23 unknown Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.43	633.90 ng	3865741	LibIS-Phenanthrene-d10	8.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[1,2-c:3,4-c'5,6-c'']tri(is...	249	C9H3N3S3	074960-12-6	38
2		6-Methyl-2-styrylbenzo[b]thiophene	250	C17H14S	084258-77-5	38
3		7-Methyl-2-styrylbenzo[b]thiophene	250	C17H14S	084258-71-9	38
4		(-)-(13S)-8,13-EPOXY-15,16-DINOR...	264	C18H32O	060134-37-4	25
5		2-METHYL-5-PHENYL-1,6,6A.LAMBDA...	250	C12H10S3	001016-98-4	25



Tentatively Identified Compound (LSC) summary

Data Path : G:\GcMsData\2010\GCMS_5\Data\05-1110\
 Data File : 5M57737.D
 Acq On : 11 May 2010 20:31
 Operator : AHD
 Sample : AC51387-005
 Misc : S,BNA
 ALS Vial : 28 Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0430.M
 Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	-----Internal Standard-----				
					#	ExpRT	ActRt	Resp	Conc
2-Pentanone, 4-hy...	3.49	6402.0	ng	16770768	1	5.09	5.09	104785	40.0
Hexadecanoic acid	9.55	280.4	ng	1709943	3	8.84	8.84	243932	40.0
unknown	9.88	268.6	ng	1637793	3	8.84	8.84	243932	40.0
Nonadecane	11.39	217.4	ng	1325552	3	8.84	8.84	243932	40.0
Docosane	11.79	295.8	ng	1803947	3	8.84	8.84	243932	40.0
Heptadecane	12.18	246.8	ng	1505205	3	8.84	8.84	243932	40.0
Hexadecane, 2,6,1...	12.56	260.8	ng	1590562	3	8.84	8.84	243932	40.0
unknown	13.17	462.9	ng	2823192	3	8.84	8.84	243932	40.0
unknown	13.22	397.6	ng	2424983	3	8.84	8.84	243932	40.0
Pentacosane	13.28	387.7	ng	2364327	3	8.84	8.84	243932	40.0
Cholest-5-ene, 3-...	13.39	204.2	ng	1245190	3	8.84	8.84	243932	40.0
unknown	13.83	412.8	ng	2517583	3	8.84	8.84	243932	40.0
unknown	13.88	237.5	ng	1448345	3	8.84	8.84	243932	40.0
unknown	14.04	417.5	ng	2546315	3	8.84	8.84	243932	40.0
Cholestane, 4,5-e...	14.15	248.8	ng	1517188	3	8.84	8.84	243932	40.0
unknown	14.77	1144.7	ng	6980795	3	8.84	8.84	243932	40.0
4H-Naphtho[2,3-b]...	14.92	1128.3	ng	6881011	3	8.84	8.84	243932	40.0
unknown	14.95	517.2	ng	3153751	3	8.84	8.84	243932	40.0
unknown	15.00	240.7	ng	1467633	3	8.84	8.84	243932	40.0
Alnulin	15.10	1240.0	ng	7561588	3	8.84	8.84	243932	40.0
5.ALPHA.-STIGMAST...	15.15	265.1	ng	1616621	3	8.84	8.84	243932	40.0
D:C-Friedoolean-8...	15.22	473.0	ng	2884697	3	8.84	8.84	243932	40.0
unknown	15.43	633.9	ng	3865741	3	8.84	8.84	243932	40.0

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AC51387-005

Client Id: PI-01-TP-RAU4DUP42910

Data File: 5M57773.D

Analysis Date: 05/12/10 12:18

Date Rec/Extracted: 05/03/10-05/11/10

Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270C

Matrix: Soil

Initial Vol: 30g

Final Vol: 1ml

Dilution: 1

Solids: 36

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
120-82-1	1,2,4-Trichlorobenzene	0.19	U	191-24-2	Benzo[g,h,i]perylene	0.19	0.71
122-66-7	1,2-Diphenylhydrazine	0.19	U	207-08-9	Benzo[k]fluoranthene	0.19	0.29
95-95-4	2,4,5-Trichlorophenol	0.19	U	65-85-0	Benzoic Acid	0.93	U
88-06-2	2,4,6-Trichlorophenol	0.19	U	111-91-1	bis(2-Chloroethoxy)methan	0.19	U
120-83-2	2,4-Dichlorophenol	0.19	U	111-44-4	bis(2-Chloroethyl)ether	0.19	U
105-67-9	2,4-Dimethylphenol	0.19	U	108-60-1	bis(2-chloroisopropyl)ether	0.19	U
51-28-5	2,4-Dinitrophenol	0.93	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.19	U
121-14-2	2,4-Dinitrotoluene	0.19	U	85-68-7	Butylbenzylphthalate	0.19	U
606-20-2	2,6-Dinitrotoluene	0.19	U	86-74-8	Carbazole	0.19	0.44
91-58-7	2-Chloronaphthalene	0.19	U	218-01-9	Chrysene	0.19	1.4
95-57-8	2-Chlorophenol	0.19	U	53-70-3	Dibenzo[a,h]anthracene	0.19	U
91-57-6	2-Methylnaphthalene	0.19	1.9	132-64-9	Dibenzofuran	0.19	0.54
95-48-7	2-Methylphenol	0.19	U	84-66-2	Diethylphthalate	0.19	U
88-74-4	2-Nitroaniline	0.19	U	131-11-3	Dimethylphthalate	0.19	U
88-75-5	2-Nitrophenol	0.19	U	84-74-2	Di-n-butylphthalate	0.19	U
106-44-5	3&4-Methylphenol	0.19	U	117-84-0	Di-n-octylphthalate	0.19	U
91-94-1	3,3'-Dichlorobenzidine	0.19	U	206-44-0	Fluoranthene	0.19	3.0
99-09-2	3-Nitroaniline	0.19	U	86-73-7	Fluorene	0.19	0.92
534-52-1	4,6-Dinitro-2-methylphenol	0.93	U	118-74-1	Hexachlorobenzene	0.19	U
101-55-3	4-Bromophenyl-phenylether	0.19	U	87-68-3	Hexachlorobutadiene	0.19	U
59-50-7	4-Chloro-3-methylphenol	0.19	U	77-47-4	Hexachlorocyclopentadiene	0.93	U
106-47-8	4-Chloroaniline	0.19	U	67-72-1	Hexachloroethane	0.19	U
7005-72-3	4-Chlorophenyl-phenylether	0.19	U	193-39-5	Indeno[1,2,3-cd]pyrene	0.19	0.61
100-01-6	4-Nitroaniline	0.19	U	78-59-1	Isophorone	0.19	U
100-02-7	4-Nitrophenol	0.19	U	91-20-3	Naphthalene	0.19	6.0
83-32-9	Acenaphthene	0.19	0.80	98-95-3	Nitrobenzene	0.19	U
208-96-8	Acenaphthylene	0.19	U	62-75-9	N-Nitrosodimethylamine	0.19	U
62-53-3	Aniline	0.19	U	621-64-7	N-Nitroso-di-n-propylamine	0.19	U
120-12-7	Anthracene	0.19	0.90	86-30-6	n-Nitrosodiphenylamine	0.19	U
92-87-5	Benzidine	0.93	U	87-86-5	Pentachlorophenol	0.93	U
56-55-3	Benzo[a]anthracene	0.19	1.1	85-01-8	Phenanthrene	0.19	6.7
50-32-8	Benzo[a]pyrene	0.19	0.58	108-95-2	Phenol	0.19	U
205-99-2	Benzo[b]fluoranthene	0.19	0.98	129-00-0	Pyrene	0.19	3.0

Worksheet #: 151745

Total Target Concentration 30

ColumnID: (^) Indicates results from 2nd column

*U - Indicates the compound was analyzed but not detected.**B - Indicates the analyte was found in the blank as well as in the sample.**E - Indicates the analyte concentration exceeds the calibration range of the instrument.**R - Retention Time Out**J - Indicates an estimated value when a compound is detected at less than the specified detection limit.**d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.*

Form1eORGANICS SEMIVOLATILE REPORT
Tentatively Identified Compounds

Sample Number: AC51387-005	Matrix: Soil
Client Id: PI-01-TP-RAU4DUP429	Initial Vol: 30g
Data File: 5M57773.D	Final Vol: 1ml
Analysis Date: 05/12/10 12:18	Dilution: 1
Date Rec/Extracted: 05/03/10-05/11/10	Solids: 36
	Method: EPA 8270C

Units: mg/Kg

	Cas #	Compound	RT	Conc
1	123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.52	600 JAY
2	57-10-3	Hexadecanoic acid	9.51	30 J
3		unknown	9.84	24 J
4	629-97-0	Docosane	11.35	19 J
5	112-95-8	Eicosane	11.75	23 J
6	629-92-5	Nonadecane	12.51	27 J
7		unknown	13.12	39 J
8		unknown	13.17	27 J
9	629-99-2	Pentacosane	13.24	29 J
10	516-91-6	Cholest-5-ene, 3-bromo-, (3.beta.)-	13.34	21 J
11		unknown	13.74	21 J
12		unknown	13.79	39 J
13		unknown	13.83	26 J
14	638-36-8	Hexadecane, 2,6,10,14-tetramethyl-	13.90	21 J
15	90128-01-1	2-Chloro-7-phenyltropone	13.98	37 J
16		unknown	14.11	23 J
17		unknown	14.72	100 J
18	514-07-8	D-Friedoolean-14-en-3-one	14.87	110 J
19	6538-02-9	Epiergostanol	14.93	21 J
20	127-22-0	Alnulin	15.04	120 J
21	83-46-5	5.ALPHA.-STIGMAST-3-ONE	15.09	27 J
22	22611-26-3	D:C-Friedoolean-8-en-3-one	15.16	45 J
23	58801-23-3	HOP-22(29)-EN-3BETA-OL	15.30	24 J
24		unknown	15.36	65 J
25	1058-61-3	Stigmast-4-en-3-one	15.44	23 J

Worksheet #: 151745

Total Tentatively Identified Concentration 1500*A - Indicates an aldol condensate.**J - Indicates an estimated value.**B - Indicates the analyte was found in the blank as well as in the sample.**Y - Indicates the analyte was found in the blank at <10% of the concentration of the sample.**<10% - Indicates the analyte was found in the blank at < 10% of nearest Internal Standard*

SampleID : AC51387-005 Operator : AHD Qt Meth : 5M_0430.M
 Data File: 5M57773.D Sam Mult : 1 Vial# : 11 Qt On : 05/13/10 16:52
 Acq On : 05/12/10 12:18 Misc : S,BNA Qt Upd On: 04/30/10 12:48

Data Path : G:\GCMSData\2010\GCMS_5\Data\05-12-10\
 Qt Path : G:\GCMSDATA\2010\GCMS_5\METHODQT\
 Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.062	152	29566	40.00	ng	-0.19
29) Naphthalene-d8	6.093	136	113522	40.00	ng	-0.19
47) Acenaphthene-d10	7.429	164	53616	40.00	ng	-0.21
73) Phenanthrene-d10	8.802	188	92069	40.00	ng	-0.24
87) Chrysene-d12	11.815	240	85615	40.00	ng	-0.25
102) Perylene-d12	13.428	264	101751	40.00	ng	-0.24
System Monitoring Compounds						
10) 2-Fluorophenol	3.796	112	65284	72.77	ng	-0.20
Spiked Amount 100.000			Recovery =	72.77%		
15) Phenol-d5	4.795	99	107115	81.02	ng	-0.18
Spiked Amount 100.000			Recovery =	81.02%		
30) Nitrobenzene-d5	5.543	128	21637	47.66	ng	-0.19
Spiked Amount 50.000			Recovery =	95.32%		
52) 2-Fluorobiphenyl	6.900	172	99803	54.46	ng	-0.19
Spiked Amount 50.000			Recovery =	108.92%		
76) 2,4,6-Tribromophenol	8.129	330	24419	118.39	ng	-0.23
Spiked Amount 100.000			Recovery =	118.39%		
90) Terphenyl-d14	10.581	244	117237	50.06	ng	-0.25
Spiked Amount 50.000			Recovery =	100.12%		
Target Compounds						Qvalue
39) Naphthalene	6.109	128	198593	64.69	ng	99
44) 2-Methylnaphthalene	6.633	142	44253	20.06	ng	97
61) Acenaphthene	7.455	153	13981	8.60	ng	95
64) Dibenzofuran	7.605	168	13900	5.79	ng	96
68) Fluorene	7.899	166	20628	9.96	ng	97
82) Phenanthrene	8.828	178	195130	72.04	ng	100
83) Anthracene	8.876	178	26461	9.74	ng	96
84) Carbazole	9.063	167	11619	4.70	ng	95
86) Fluoranthene	10.127	202	105505	32.45	ng	78
88) Pyrene	10.383	202	110837	32.12	ng	75
99) Benzo[a]anthracene	11.804	228	39058	12.04	ng	92
100) Chrysene	11.841	228	42166	14.73	ng	99
104) Benzo[b]fluoranthene	13.033	252	38890m	10.56	ng	
105) Benzo[k]fluoranthene	13.054	252	10808m	3.09	ng	
106) Benzo[a]pyrene	13.375	252	21061	6.25	ng	84
107) Indeno[1,2,3-cd]pyrene	14.502	276	18004	6.61	ng	95
109) Benzo[g,h,i]perylene	14.838	276	20271	7.66	ng	58
Library Search Internal Standards TIC Results						
1) 1,4-Dichlorobenzene-d4	5.062		207514	40.00	ng	--
2) Acenaphthene-d10	7.429		286003	40.00	ng	--
3) Phenanthrene-d10	8.802		261185m	40.00	ng	--
Library Search Compounds						
1) 123-42-2	3.520		33350259	6428.53	ng	42
2) 57-10-3	9.510		2141724	328.00	ng	95
3) UNKNOWN	9.840		1715914	262.79	ng	--
4) 629-97-0	11.350		1317231	201.73	ng	98
5) 112-95-8	11.750		1633812	250.22	ng	97
6) 629-92-5	12.510		1874236	287.04	ng	95
7) UNKNOWN	13.120		2747176	420.73	ng	--
8) UNKNOWN	13.170		1913571	293.06	ng	--
9) 629-99-2	13.240		2037486	312.04	ng	99
10) 516-91-6	13.340		1501574	229.96	ng	84
11) UNKNOWN	13.740		1461405	223.81	ng	--
12) UNKNOWN	13.790		2721888	416.85	ng	--
13) UNKNOWN	13.830		1815201	278.00	ng	--
14) 638-36-8	13.900		1487238	227.77	ng	95
15) 90128-01-1	13.980		2630766	402.90	ng	50
16) UNKNOWN	14.110		1591622	243.75	ng	--
17) UNKNOWN	14.720		7068986	1082.60	ng	--
18) 514-07-8	14.870		8081986	1237.74	ng	76
19) 6538-02-9	14.930		1457150	223.16	ng	81
20) 127-22-0	15.040		8502284	1302.11	ng	59
21) 83-46-5	15.090		1875952	287.30	ng	95
22) 22611-26-3	15.160		3140037	480.89	ng	64
23) 58801-23-3	15.300		1663182	254.71	ng	64
24) UNKNOWN	15.360		4597385	704.08	ng	--
25) 1058-61-3	15.440		1625849	249.00	ng	98

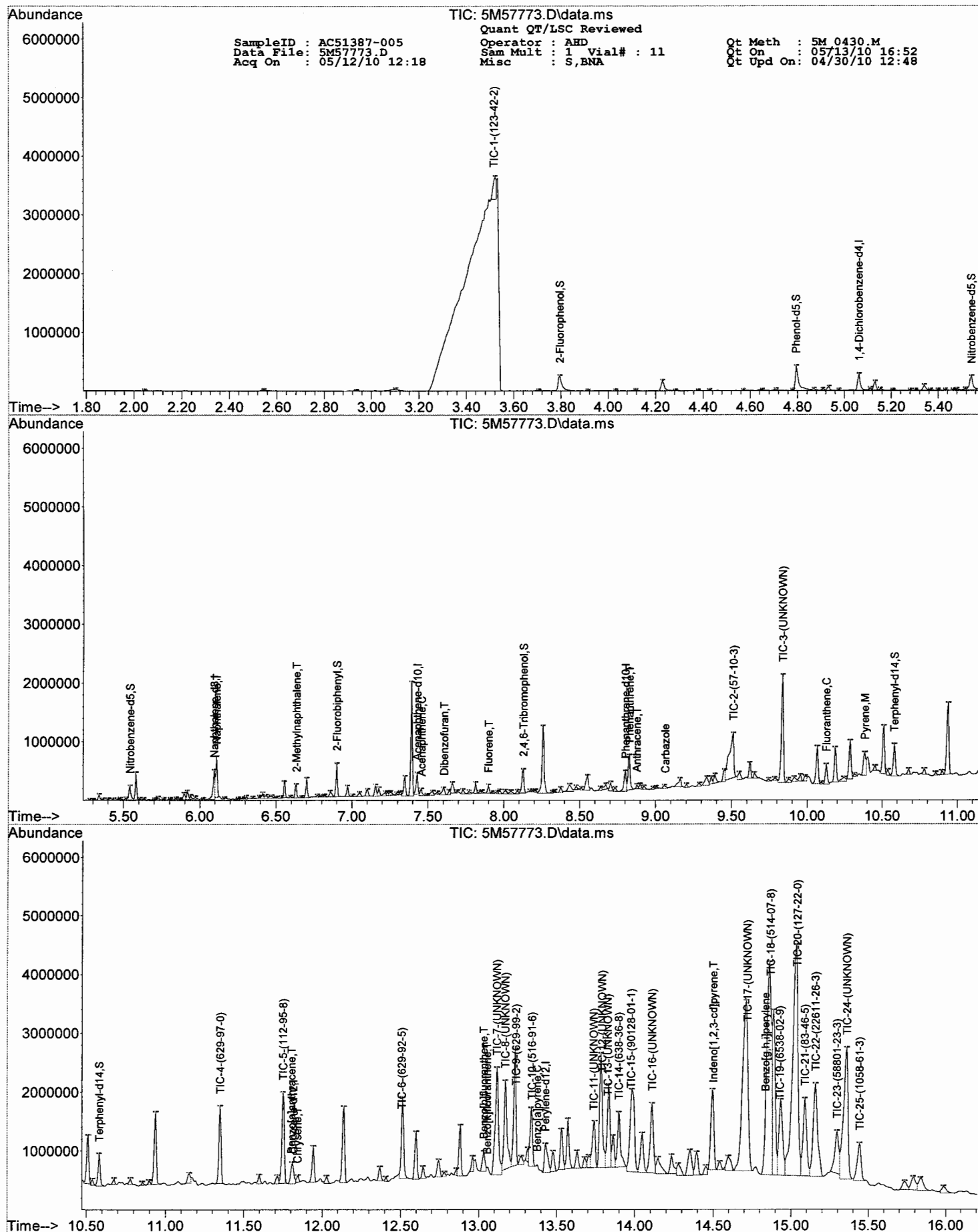
(#) = qualifier out of range (m) = manual integration (+) = signals summed

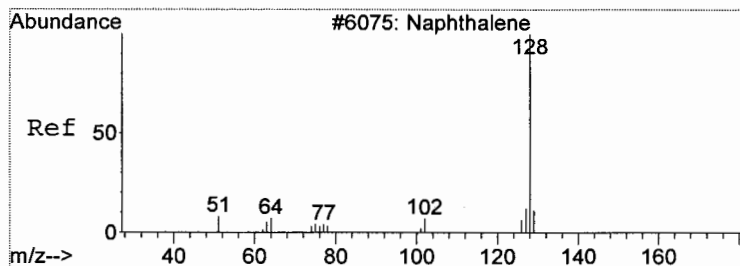
Quantitation Report (QT/LSC Reviewed)

SampleID : AC51387-005 Operator : AHD Qt Meth : 5M_0430.M
Data File: 5M57773.D Sam Mult : 1 Vial# : 11 Qt On : 05/13/10 16:52
Acq On : 05/12/10 12:18 Misc : S,BNA Qt Upd On: 04/30/10 12:48

Data Path : G:\GCMSData\2010\GCMS_5\Data\05-12-10\
Qt Path : G:\GCMSDATA\2010\GCMS_5\METHODQT\
Qt Resp Via : Initial Calibration

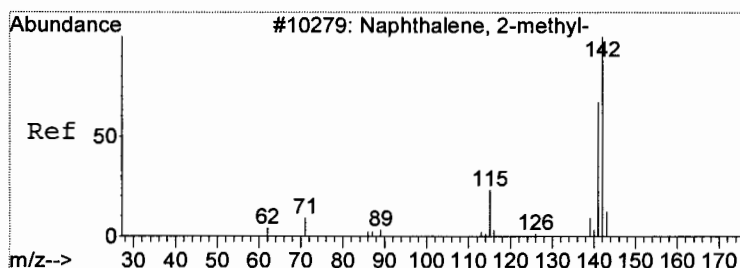
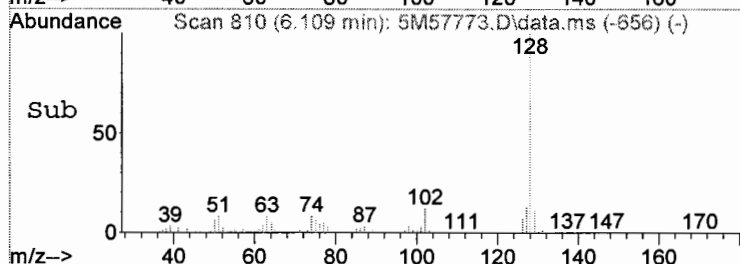
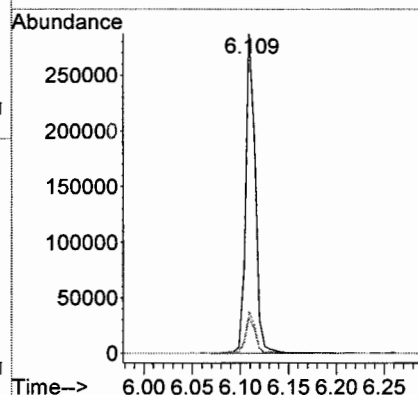
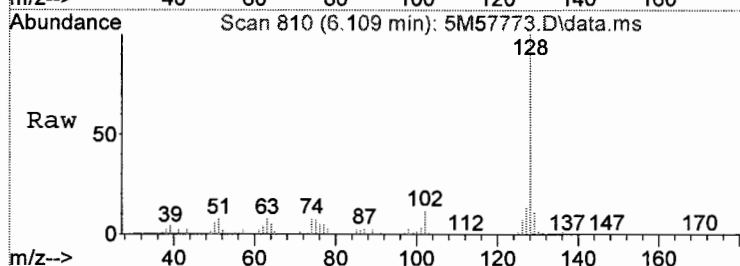
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)





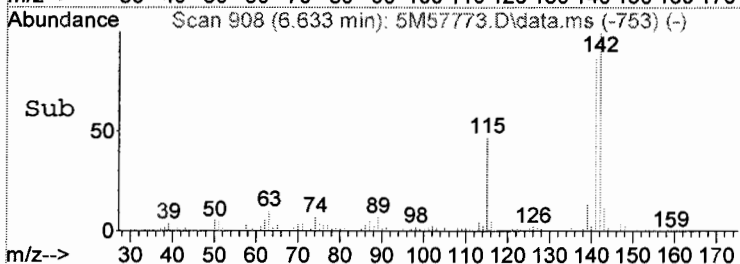
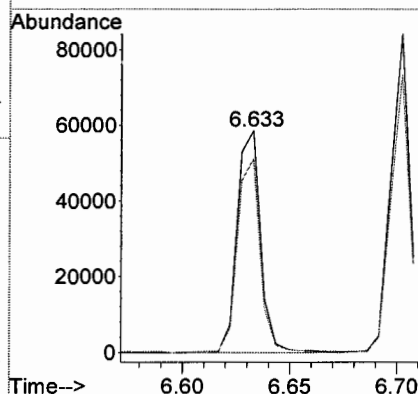
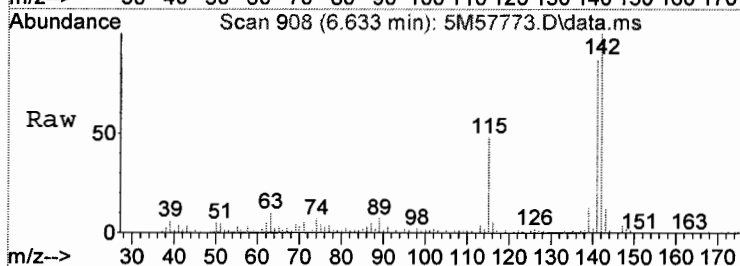
#39
Naphthalene
Concen: 64.69 ng
RT: 6.109 min Scan# 810
Delta R.T. -0.193 min
Lab File: 5M57773.D
Acq: 12 May 2010 12:18

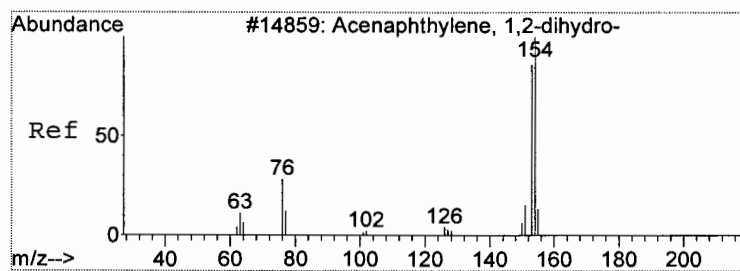
Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.2	0.0	50.9
127	13.1	0.0	52.4



#44
2-Methylnaphthalene
Concen: 20.06 ng
RT: 6.633 min Scan# 908
Delta R.T. -0.188 min
Lab File: 5M57773.D
Acq: 12 May 2010 12:18

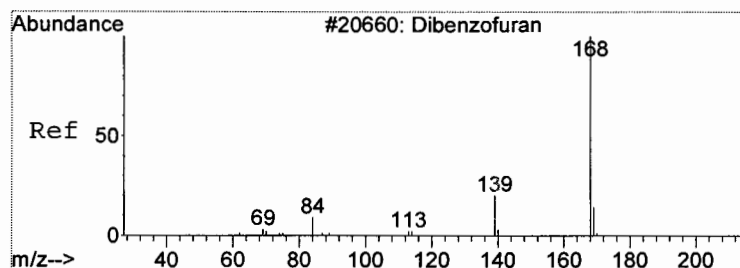
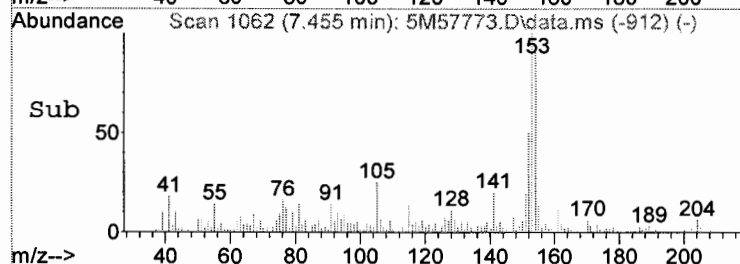
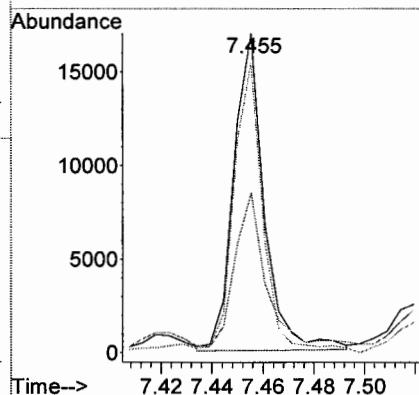
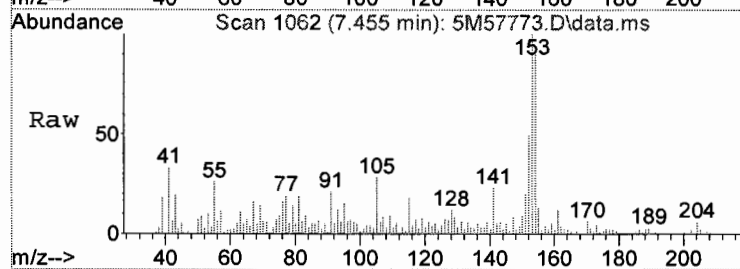
Tgt Ion	Ratio	Lower	Upper
142	100		
141	87.1	44.6	124.6





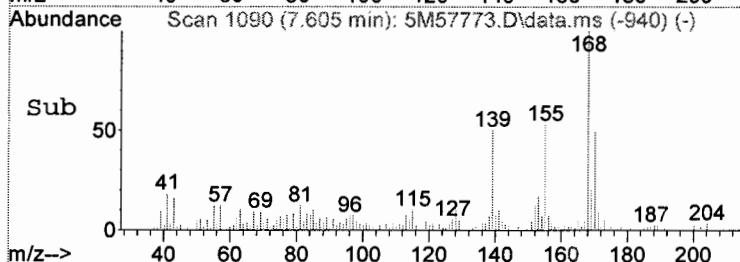
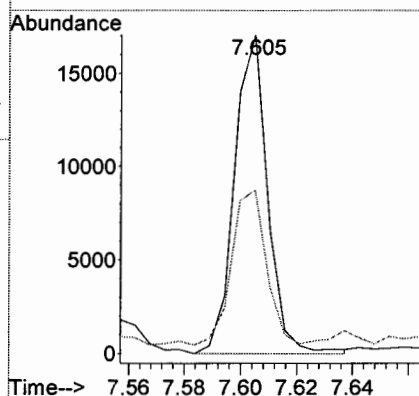
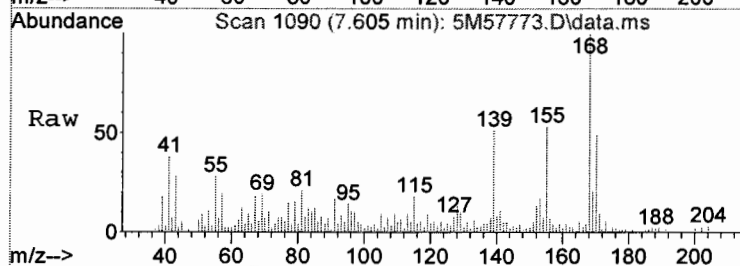
#61
Acenaphthene
Concen: 8.60 ng
RT: 7.455 min Scan# 1062
Delta R.T. -0.214 min
Lab File: 5M57773.D
Acq: 12 May 2010 12:18

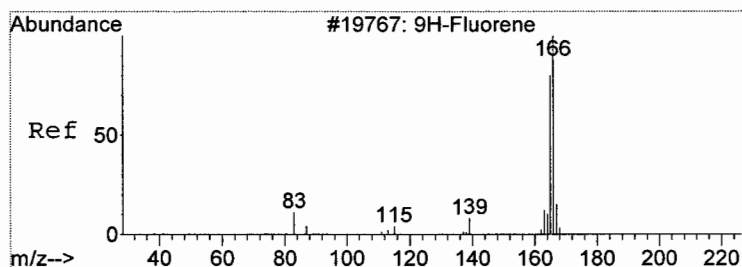
Tgt Ion	Ratio	Lower	Upper
153	100		
152	48.8	10.0	90.0
154	91.0	57.5	137.5



#64
Dibenzofuran
Concen: 5.79 ng
RT: 7.605 min Scan# 1090
Delta R.T. -0.214 min
Lab File: 5M57773.D
Acq: 12 May 2010 12:18

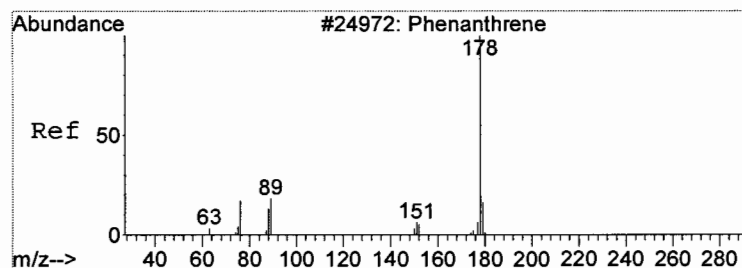
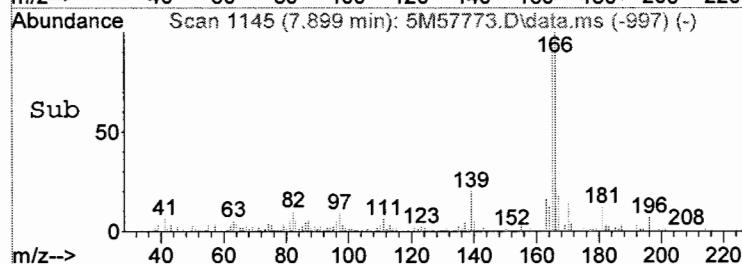
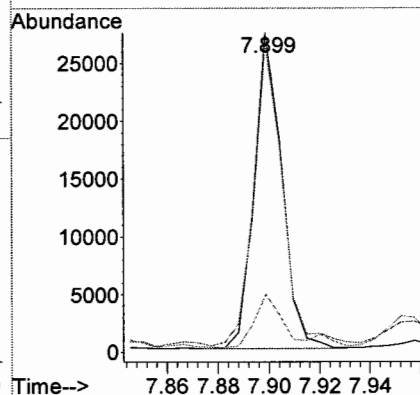
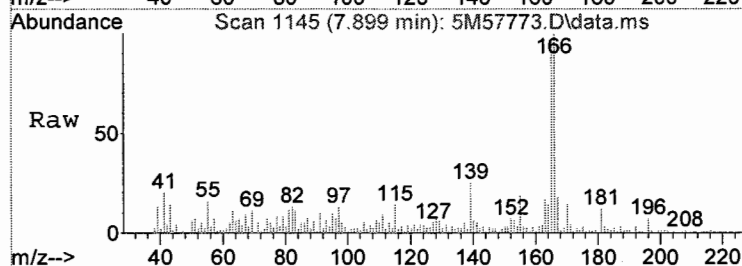
Tgt Ion	Ratio	Lower	Upper
168	100		
139	48.6	0.0	246.0





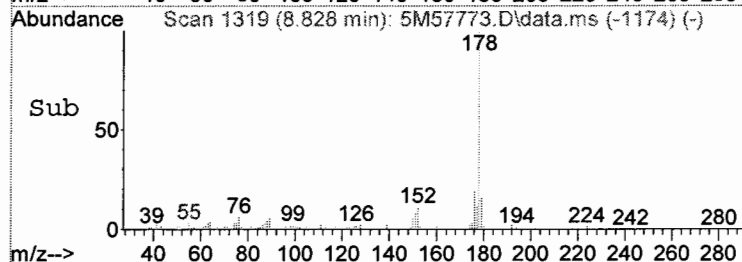
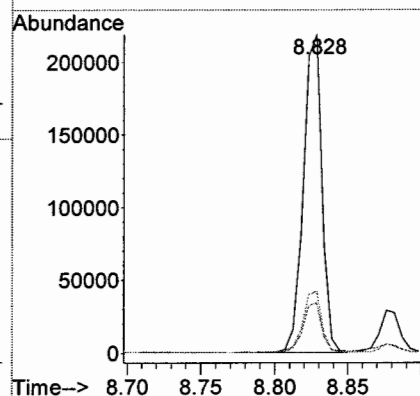
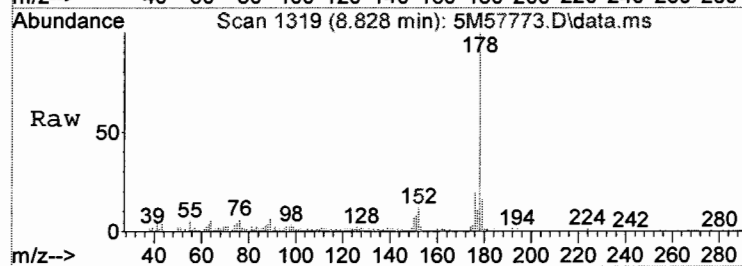
#68
Fluorene
Concen: 9.96 ng
RT: 7.899 min Scan# 1145
Delta R.T. -0.225 min
Lab File: 5M57773.D
Acq: 12 May 2010 12:18

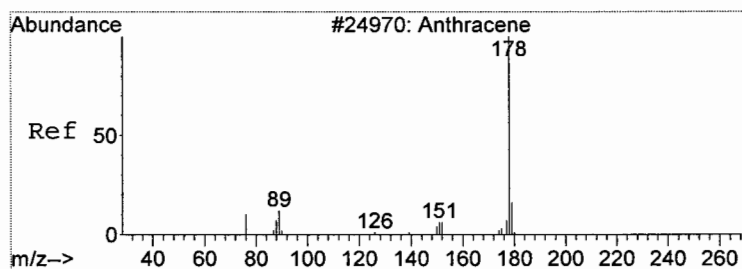
Tgt Ion	Ratio	Resp	Lower	Upper
166	100	20628		
165	94.7	0.0	292.6	
167	16.7	0.0	213.2	



#82
Phenanthrene
Concen: 72.04 ng
RT: 8.828 min Scan# 1319
Delta R.T. -0.241 min
Lab File: 5M57773.D
Acq: 12 May 2010 12:18

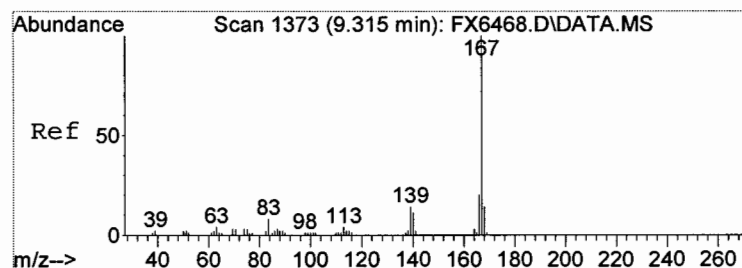
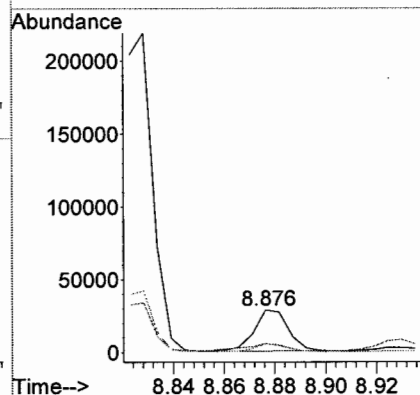
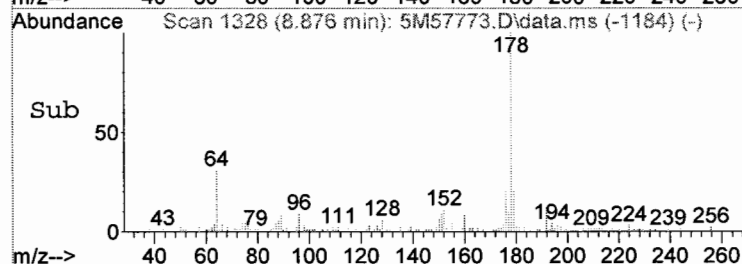
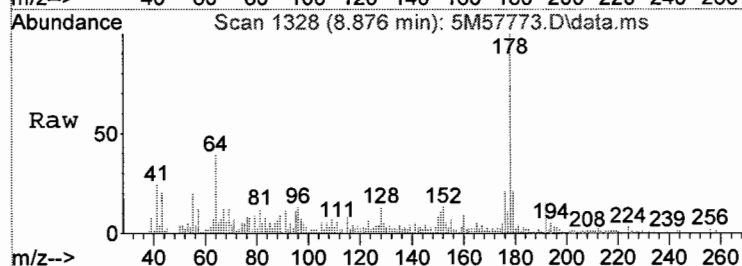
Tgt Ion	Ratio	Resp	Lower	Upper
178	100	195130		
179	15.5	0.0	55.5	
176	19.3	0.0	59.3	





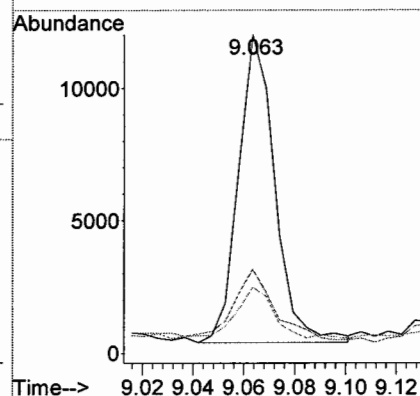
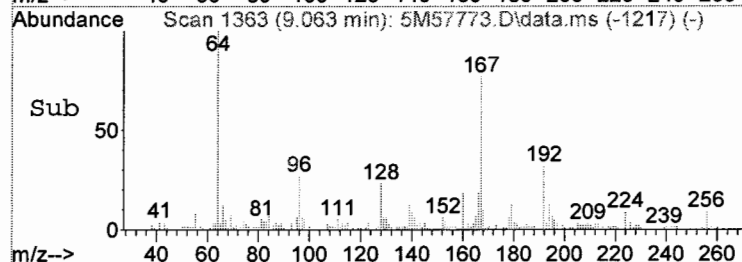
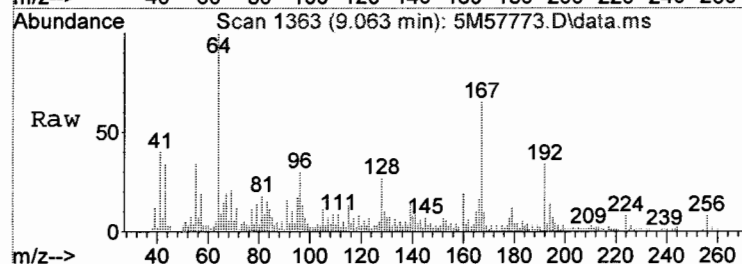
#83
 Anthracene
 Concen: 9.74 ng
 RT: 8.876 min Scan# 1328
 Delta R.T. -0.246 min
 Lab File: 5M57773.D
 Acq: 12 May 2010 12:18

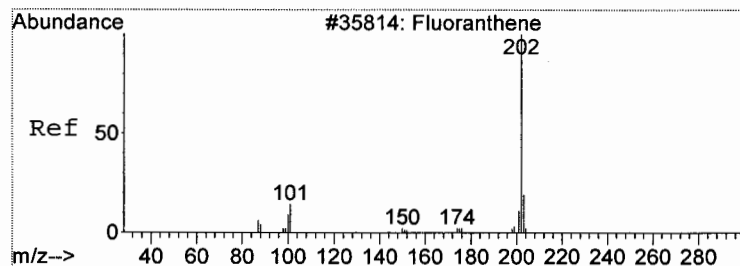
Tgt Ion	Ratio	Lower	Upper
178	100		
179	17.3	0.0	55.2
176	19.9	0.0	58.1



#84
 Carbazole
 Concen: 4.70 ng
 RT: 9.063 min Scan# 1363
 Delta R.T. -0.236 min
 Lab File: 5M57773.D
 Acq: 12 May 2010 12:18

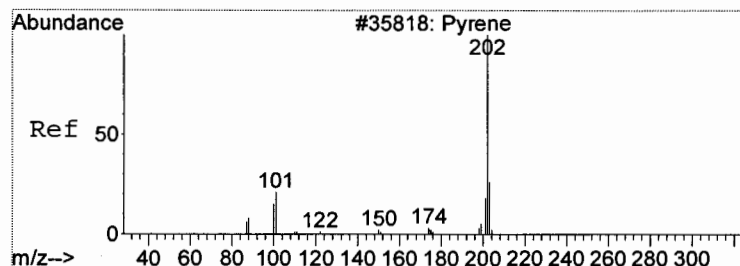
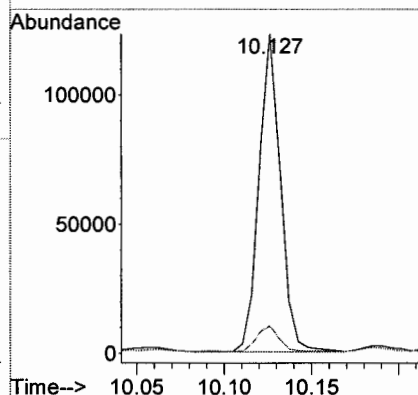
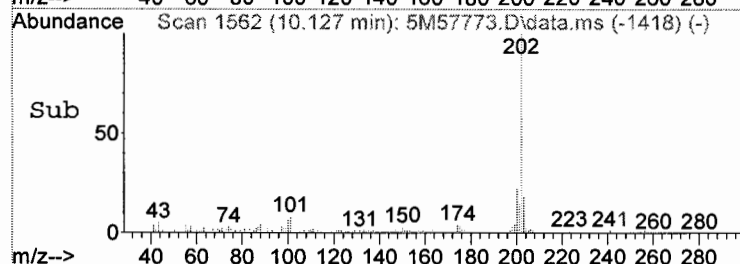
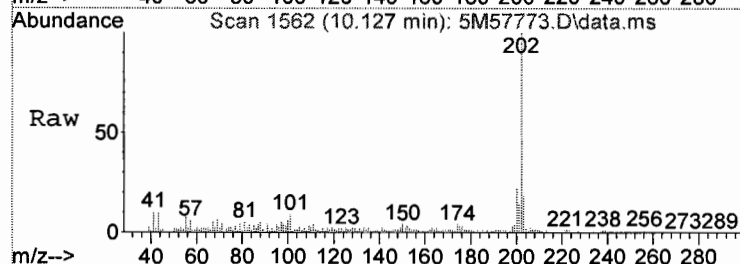
Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.9	0.2	40.2
139	16.5	0.0	35.0





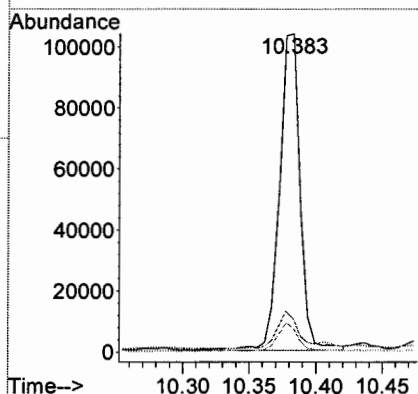
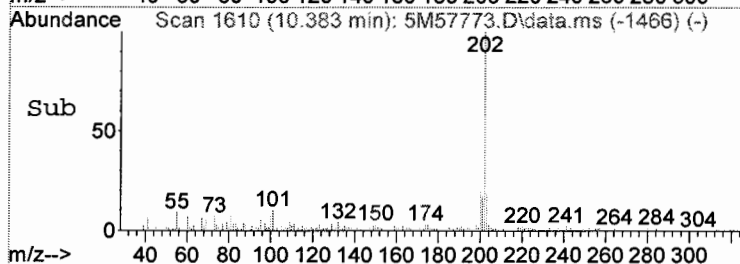
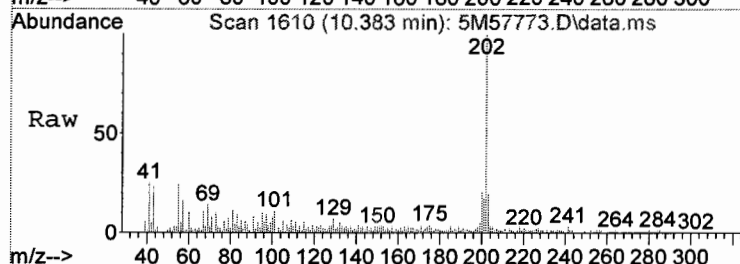
#86
Fluoranthene
Concen: 32.45 ng
RT: 10.127 min Scan# 1562
Delta R.T. -0.246 min
Lab File: 5M57773.D
Acq: 12 May 2010 12:18

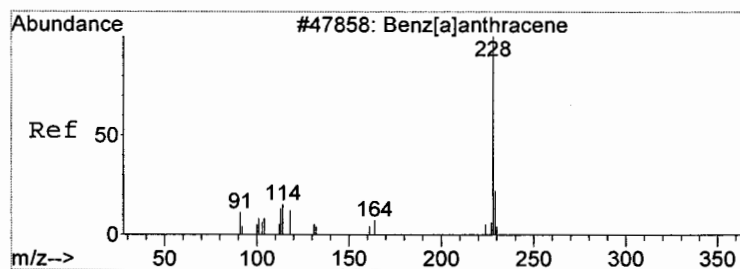
Tgt Ion:202 Resp: 105505
Ion Ratio Lower Upper
202 100
101 8.0 0.0 57.6



#88
Pyrene
Concen: 32.12 ng
RT: 10.383 min Scan# 1610
Delta R.T. -0.246 min
Lab File: 5M57773.D
Acq: 12 May 2010 12:18

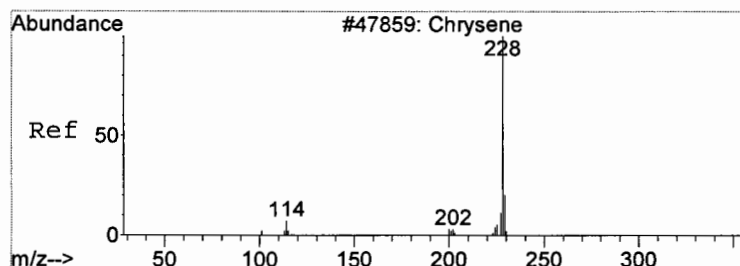
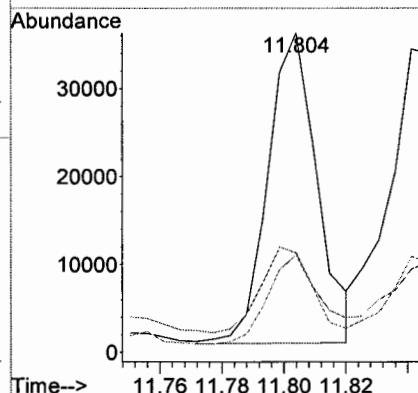
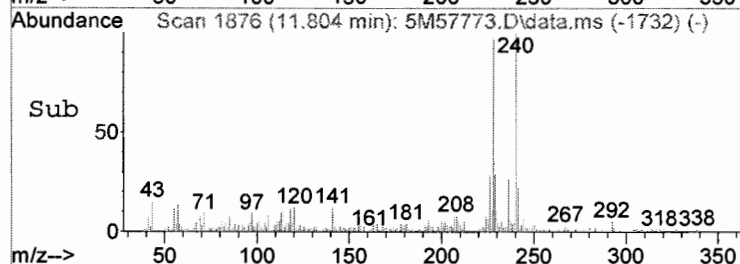
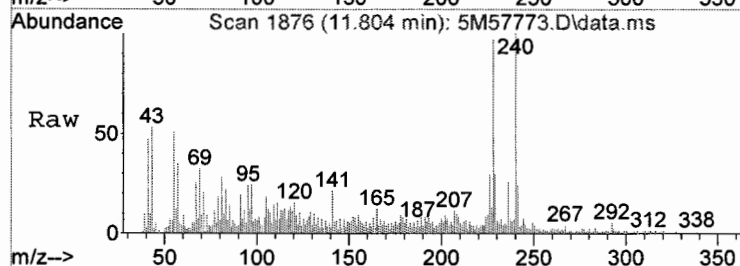
Tgt Ion:202 Resp: 110837
Ion Ratio Lower Upper
202 100
101 9.5 0.0 62.2
100 7.5 0.0 57.8





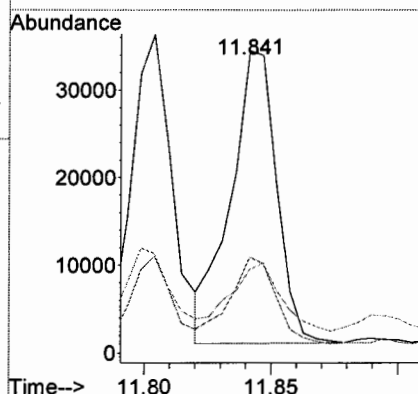
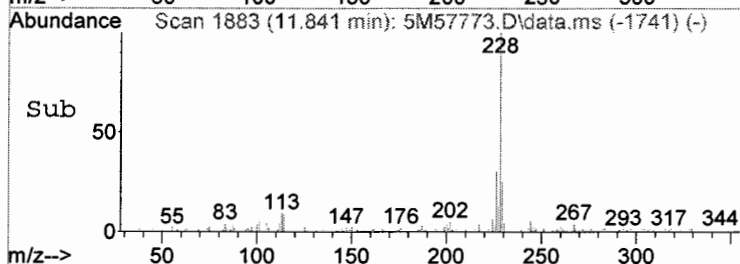
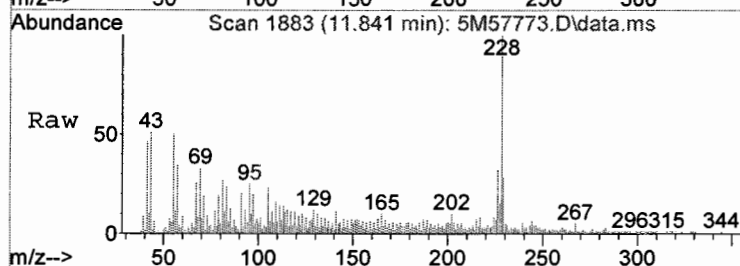
#99
Benzo[a]anthracene
Concen: 12.04 ng
RT: 11.804 min Scan# 1876
Delta R.T. -0.246 min
Lab File: 5M57773.D
Acq: 12 May 2010 12:18

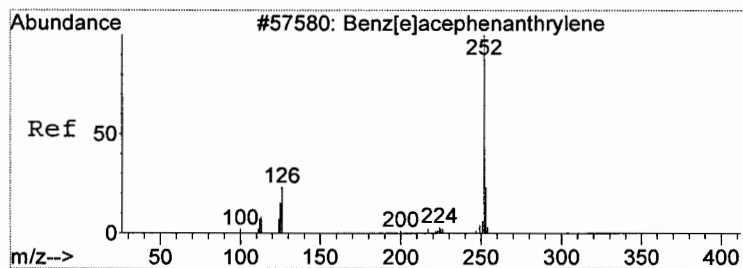
Tgt Ion	Ratio	Resp	Lower	Upper
228	100	39058		
229	25.2	0.0	59.5	
226	28.7	0.0	66.0	



#100
Chrysene
Concen: 14.73 ng
RT: 11.841 min Scan# 1883
Delta R.T. -0.257 min
Lab File: 5M57773.D
Acq: 12 May 2010 12:18

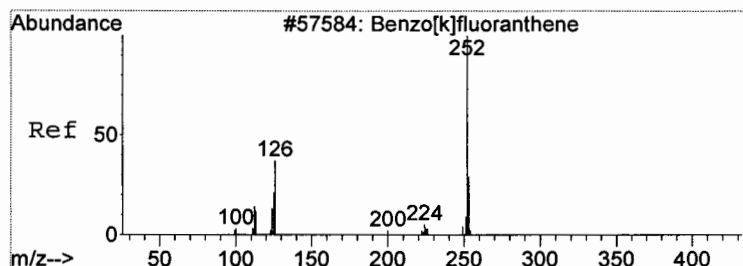
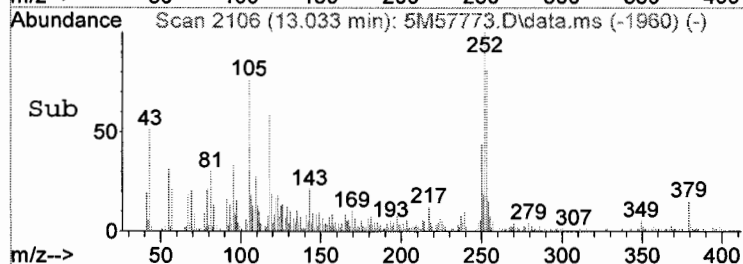
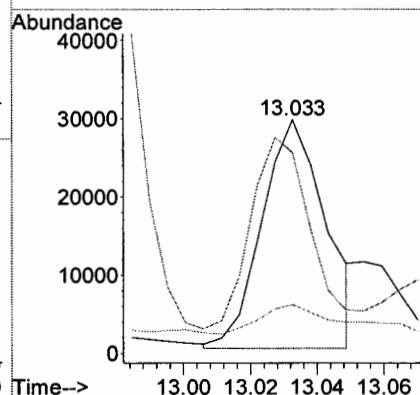
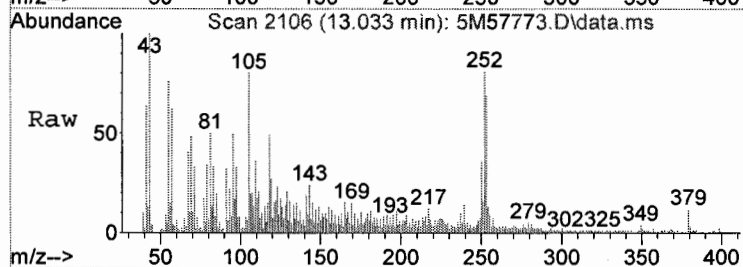
Tgt Ion	Ratio	Resp	Lower	Upper
228	100	42166		
226	29.2	9.5	49.5	
229	19.6	0.0	60.2	





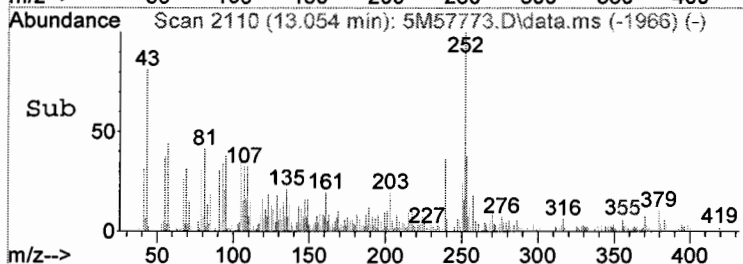
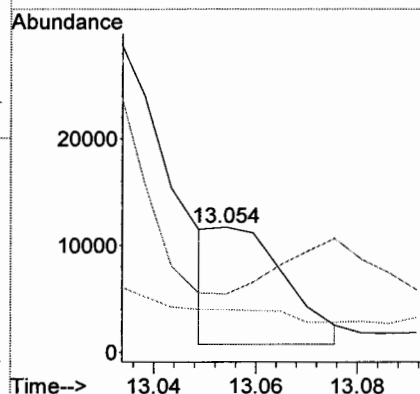
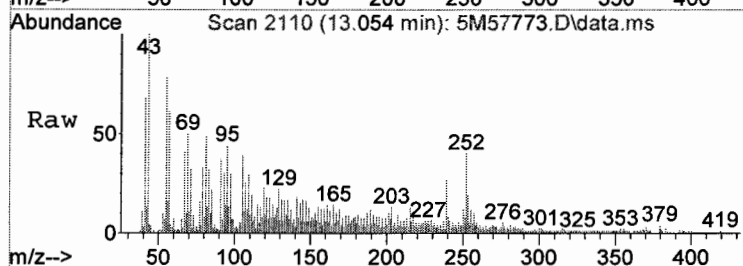
#104
Benzo[b]fluoranthene
Concen: 10.56 ng m
RT: 13.033 min Scan# 2106
Delta R.T. -0.236 min
Lab File: 5M57773.D
Acq: 12 May 2010 12:18

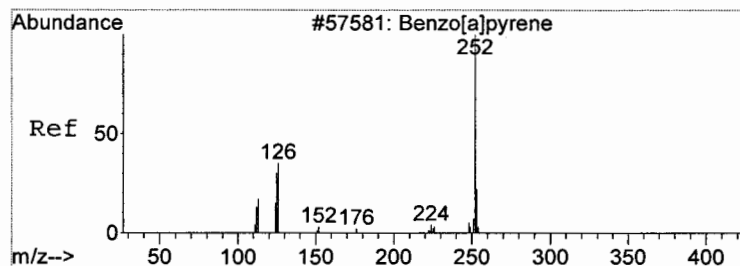
Tgt Ion	Ratio	Lower	Upper
252	100		
253	85.9	0.0	62.3
125	21.0	0.0	58.4



#105
Benzo[k]fluoranthene
Concen: 3.09 ng m
RT: 13.054 min Scan# 2110
Delta R.T. -0.246 min
Lab File: 5M57773.D
Acq: 12 May 2010 12:18

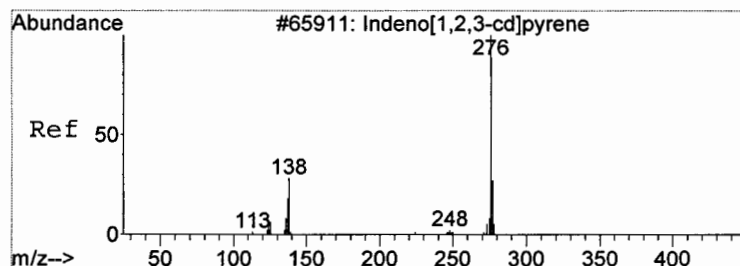
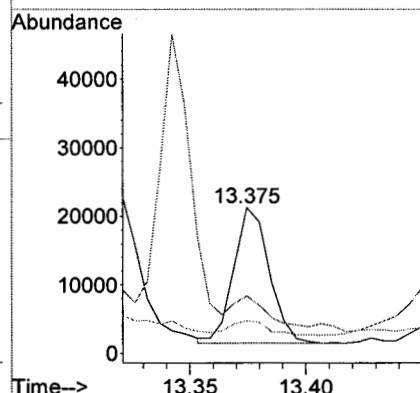
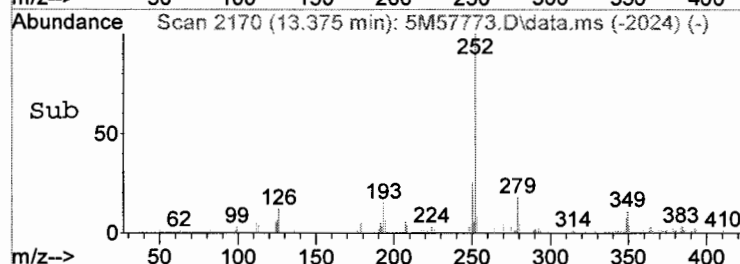
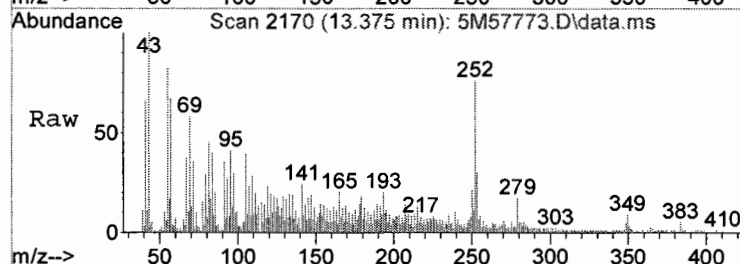
Tgt Ion	Ratio	Lower	Upper
252	100		
253	46.4	0.0	62.2
125	34.2	0.0	58.9





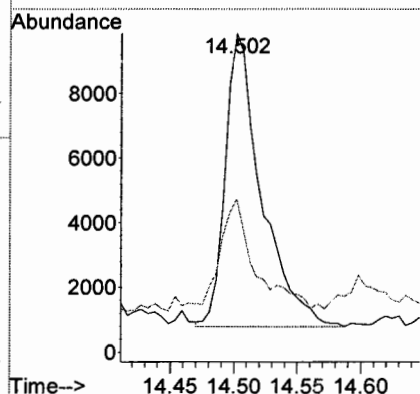
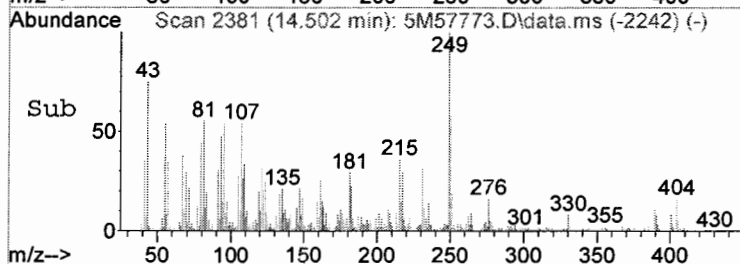
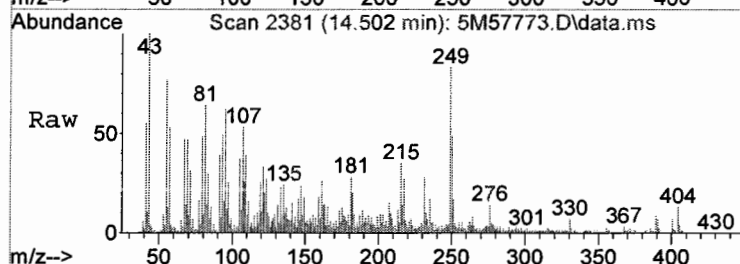
#106
Benzo[a]pyrene
Concen: 6.25 ng
RT: 13.375 min Scan# 2170
Delta R.T. -0.236 min
Lab File: 5M57773.D
Acq: 12 May 2010 12:18

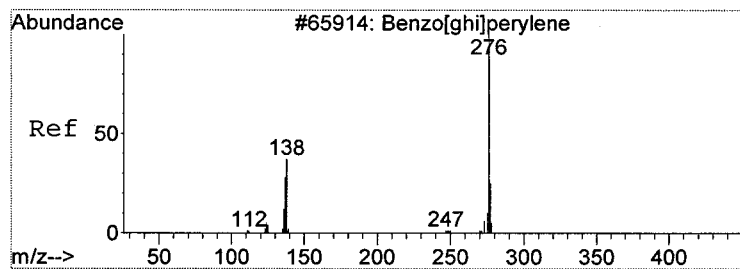
Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.3	0.0	62.4
125	9.3	0.0	60.9



#107
Indeno[1,2,3-cd]pyrene
Concen: 6.61 ng
RT: 14.502 min Scan# 2381
Delta R.T. -0.272 min
Lab File: 5M57773.D
Acq: 12 May 2010 12:18

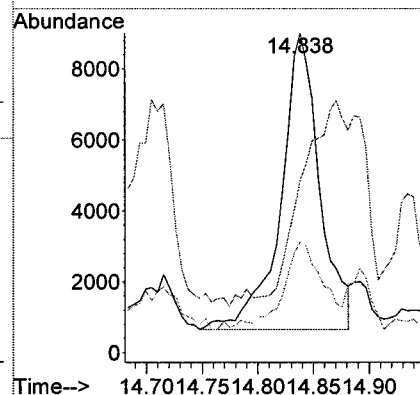
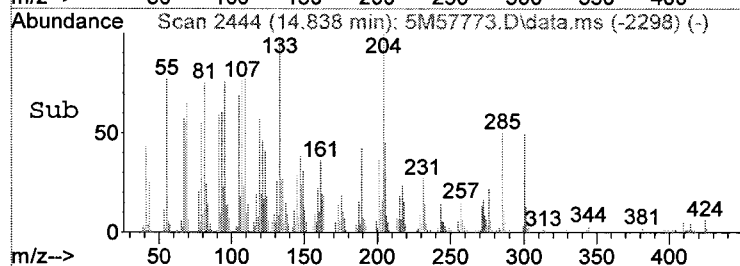
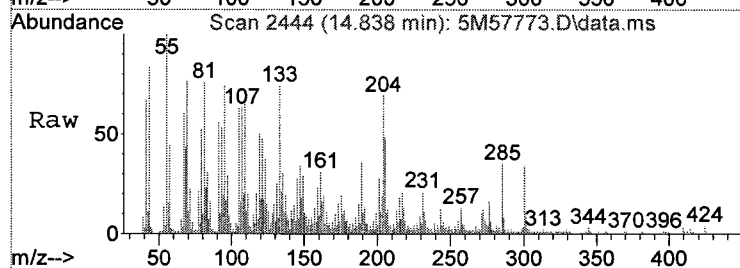
Tgt Ion	Ratio	Lower	Upper
276	100		
138	35.8	0.0	78.9





#109
Benzo[g,h,i]perylene
Concen: 7.66 ng
RT: 14.838 min Scan# 2444
Delta R.T. -0.230 min
Lab File: 5M57773.D
Acq: 12 May 2010 12:18

Tgt Ion	Ratio	Lower	Upper
276	100		
138	5.7	0.0	140.0
277	26.6	0.0	120.0



Data Path : G:\GcMsData\2010\GCMS_5\Data\05-12-10\
 Data File : 5M57773.D
 Acq On : 12 May 2010 12:18
 Operator : AHD
 Sample : AC51387-005
 Misc : S,BNA
 ALS Vial : 11 Sample Multiplier: 1

Integration Parameters: LSCINT.P

Integrator: RTE
 Smoothing : OFF
 Sampling : 1
 Start Thrs: 0.05
 Stop Thrs : 0

Filtering: 5
 Min Area: 500 Area counts
 Max Peaks: 250
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 1

Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0430.M
 Title : @GCMS_5,mg,625,8270

Signal : TIC: 5M57773.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.841	7	11	15	rVB7	2242	3893	0.01%	0.003%
2	1.878	15	18	24	rVB7	3406	3900	0.01%	0.003%
3	2.044	46	49	56	rBV	5936	7997	0.02%	0.006%
4	2.215	74	81	87	rVB5	3467	7248	0.02%	0.005%
5	2.546	136	143	157	rBV3	16764	37275	0.11%	0.026%
6	2.631	157	159	176	rVB4	2441	7272	0.02%	0.005%
7	2.936	206	216	217	rBV4	6807	15279	0.05%	0.011%
8	3.101	236	247	266	rVB2	30980	90573	0.27%	0.063%
9	3.524	270	326	335	rBV2	3642188	33350259	100.00%	23.366%
10	3.582	335	337	345	rVB	3114	3323	0.01%	0.002%
11	3.705	355	360	366	rBV4	5241	7596	0.02%	0.005%
12	3.796	372	377	395	rBV	249977	289797	0.87%	0.203%
13	3.914	395	399	403	rBV3	5922	6432	0.02%	0.005%
14	3.967	407	409	415	rVB4	4244	5325	0.02%	0.004%
15	4.031	415	421	425	rBV	7370	7337	0.02%	0.005%
16	4.117	429	437	447	rBV	13467	22989	0.07%	0.016%
17	4.229	450	458	466	rBV	168011	157728	0.47%	0.111%
18	4.282	466	468	475	rVB6	5865	9274	0.03%	0.006%
19	4.378	479	486	492	rVB4	6099	9122	0.03%	0.006%
20	4.426	492	495	499	rBV2	11100	9376	0.03%	0.007%
21	4.464	499	502	506	rBV2	3961	4664	0.01%	0.003%
22	4.539	511	516	519	rVB3	2895	3155	0.01%	0.002%
23	4.571	519	522	527	rBV	10022	11558	0.03%	0.008%
24	4.651	531	537	543	rVB2	14619	25454	0.08%	0.018%
25	4.709	543	548	557	rVB2	22608	28253	0.08%	0.020%
26	4.795	557	564	576	rBV	410969	425079	1.27%	0.298%
27	4.870	576	578	583	rVV2	24940	26777	0.08%	0.019%
28	4.907	583	585	587	rVV	23836	18017	0.05%	0.013%
29	4.934	587	590	595	rVB	60745	46662	0.14%	0.033%
30	4.977	595	598	601	rBV2	11882	8741	0.03%	0.006%
31	5.062	602	614	621	rVV	277208	246456	0.74%	0.173%
32	5.132	621	627	630	rVV2	147519	140239	0.42%	0.098%
33	5.153	630	631	638	rVV3	27172	26032	0.08%	0.018%
34	5.206	638	641	646	rVB2	12564	13274	0.04%	0.009%
35	5.281	648	655	657	rBV5	10285	12203	0.04%	0.009%

Data Path : G:\GcMsData\2010\GCMS_5\Data\05-12-10\
 Data File : 5M57773.D
 Acq On : 12 May 2010 12:18
 Operator : AHD
 Sample : AC51387-005
 Misc : S,BNA
 ALS Vial : 11 Sample Multiplier: 1

Integration Parameters: LSCINT.P

Integrator: RTE
 Smoothing : OFF
 Sampling : 1
 Start Thrs: 0.05
 Stop Thrs : 0

Filtering: 5
 Min Area: 500 Area counts
 Max Peaks: 250
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 1

Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0430.M
 Title : @GCMS_5,mg,625,8270

36	5.302	657	659	663	rVB3	9978	10139	0.03%	0.007%
37	5.340	663	666	675	rBV2	90066	85994	0.26%	0.060%
38	5.399	675	677	681	rVB2	11914	11016	0.03%	0.008%
39	5.431	681	683	687	rBV3	12133	10219	0.03%	0.007%
40	5.479	687	692	696	rBV2	21780	31065	0.09%	0.022%
41	5.543	696	704	708	rVV2	226400	242076	0.73%	0.170%
42	5.580	708	711	715	rVV	451475	276985	0.83%	0.194%
43	5.607	715	716	718	rVB2	12175	6268	0.02%	0.004%
44	5.634	718	721	725	rVB2	13880	11551	0.03%	0.008%
45	5.666	725	727	730	rBV3	5757	5949	0.02%	0.004%
46	5.725	730	738	741	rVB2	32645	34169	0.10%	0.024%
47	5.762	741	745	749	rVB4	15151	15925	0.05%	0.011%
48	5.805	749	753	756	rBV4	14150	21291	0.06%	0.015%
49	5.842	757	760	767	rVB6	24501	31508	0.09%	0.022%
50	5.895	767	770	772	rBV2	102541	97203	0.29%	0.068%
51	5.917	772	774	777	rVV	135099	105593	0.32%	0.074%
52	5.938	777	778	781	rVV	58610	36871	0.11%	0.026%
53	5.970	781	784	789	rVB4	32578	39481	0.12%	0.028%
54	6.024	792	794	798	rVB4	7146	6922	0.02%	0.005%
55	6.109	798	810	818	rBV2	720258	1039704	3.12%	0.728%
56	6.173	818	822	828	rVB2	21381	34983	0.10%	0.025%
57	6.216	828	830	832	rBV2	7551	4880	0.01%	0.003%
58	6.253	832	837	839	rBV5	14799	20526	0.06%	0.014%
59	6.280	839	842	844	rVB3	11368	7922	0.02%	0.006%
60	6.307	844	847	853	rBV5	33977	48478	0.15%	0.034%
61	6.350	853	855	857	rVB	19240	10939	0.03%	0.008%
62	6.414	857	867	869	rBV2	87932	103424	0.31%	0.072%
63	6.435	869	871	873	rVV2	38211	35349	0.11%	0.025%
64	6.472	873	878	882	rVB6	23326	42929	0.13%	0.030%
65	6.553	888	893	898	rBV	270428	213352	0.64%	0.149%
66	6.595	898	901	903	rBV3	21039	18997	0.06%	0.013%
67	6.633	903	908	912	rVB	217115	172256	0.52%	0.121%
68	6.670	912	915	917	rBV4	13196	12839	0.04%	0.009%
69	6.702	917	921	925	rBV	322561	238361	0.71%	0.167%
70	6.729	925	926	928	rVV2	7453	3374	0.01%	0.002%
71	6.772	931	934	937	rBV5	27884	30963	0.09%	0.022%
72	6.798	937	939	941	rVB2	9960	7458	0.02%	0.005%
73	6.820	941	943	947	rBV3	28502	25908	0.08%	0.018%
74	6.857	947	950	954	rVV4	88461	103029	0.31%	0.072%
75	6.900	954	958	964	rVB	556698	382593	1.15%	0.268%

Data Path : G:\GcMsData\2010\GCMS_5\Data\05-12-10\
 Data File : 5M57773.D
 Acq On : 12 May 2010 12:18
 Operator : AHD
 Sample : AC51387-005
 Misc : S,BNA
 ALS Vial : 11 Sample Multiplier: 1

Integration Parameters: LSCINT.P

Integrator: RTE
 Smoothing : OFF
 Sampling : 1
 Start Thrs: 0.05
 Stop Thrs : 0

Filtering: 5
 Min Area: 500 Area counts
 Max Peaks: 250
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 1

Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0430.M
 Title : @GCMS_5,mg,625,8270

76	6.969	965	971	976	rBV2	171816	146125	0.44%	0.102%
77	7.007	976	978	980	rVB3	17679	12083	0.04%	0.008%
78	7.049	980	986	990	rBV	63238	85042	0.25%	0.060%
79	7.103	990	996	1002	rBV	110400	131720	0.39%	0.092%
80	7.156	1003	1006	1008	rBV2	182087	155831	0.47%	0.109%
81	7.178	1008	1010	1013	rVB	125882	94131	0.28%	0.066%
82	7.220	1013	1018	1019	rBV3	53428	60196	0.18%	0.042%
83	7.236	1019	1021	1022	rVV	51557	38259	0.11%	0.027%
84	7.252	1022	1024	1028	rVB3	48304	61898	0.19%	0.043%
85	7.295	1029	1032	1034	rVV3	40388	49277	0.15%	0.035%
86	7.317	1034	1036	1038	rVV2	63688	66070	0.20%	0.046%
87	7.349	1038	1042	1046	rVB	326353	288310	0.86%	0.202%
88	7.391	1046	1050	1053	rBV	1932404	1272920	3.82%	0.892%
89	7.429	1053	1057	1060	rVV	375471	340165	1.02%	0.238%
90	7.455	1060	1062	1066	rVB2	105742	90288	0.27%	0.063%
91	7.493	1067	1069	1071	rVB3	6832	5952	0.02%	0.004%
92	7.530	1071	1076	1078	rBV2	62951	87993	0.26%	0.062%
93	7.562	1078	1082	1084	rVB3	32951	27896	0.08%	0.020%
94	7.600	1084	1089	1093	rVB	106917	139274	0.42%	0.098%
95	7.658	1093	1100	1104	rBV4	200010	308918	0.93%	0.216%
96	7.690	1104	1106	1111	rVB3	38534	44414	0.13%	0.031%
97	7.728	1111	1113	1118	rVB4	62921	63199	0.19%	0.044%
98	7.771	1118	1121	1124	rBV2	39531	45959	0.14%	0.032%
99	7.813	1125	1129	1132	rVB	176739	127497	0.38%	0.089%
100	7.856	1132	1137	1141	rBV6	35828	58219	0.17%	0.041%
101	7.899	1141	1145	1148	rBV2	130137	97411	0.29%	0.068%
102	7.974	1151	1159	1162	rVB5	55164	92168	0.28%	0.065%
103	8.011	1162	1166	1169	rBV4	52693	69353	0.21%	0.049%
104	8.048	1169	1173	1177	rVB4	45786	61669	0.18%	0.043%
105	8.091	1177	1181	1183	rBV3	50026	50025	0.15%	0.035%
106	8.129	1183	1188	1192	rBV2	397071	383338	1.15%	0.269%
107	8.171	1192	1196	1198	rBV3	31012	31867	0.10%	0.022%
108	8.193	1198	1200	1201	rBV	19203	12220	0.04%	0.009%
109	8.257	1206	1212	1221	rVB	1136404	1087701	3.26%	0.762%
110	8.337	1221	1227	1230	rBV6	38903	68084	0.20%	0.048%
111	8.374	1230	1234	1237	rBV2	82708	83292	0.25%	0.058%
112	8.433	1240	1245	1250	rBV3	110128	179376	0.54%	0.126%
113	8.476	1250	1253	1256	rVV4	55424	53215	0.16%	0.037%
114	8.513	1258	1260	1262	rVB	40685	26915	0.08%	0.019%

Data Path : G:\GcMsData\2010\GCMS_5\Data\05-12-10\
 Data File : 5M57773.D
 Acq On : 12 May 2010 12:18
 Operator : AHD
 Sample : AC51387-005
 Misc : S,BNA
 ALS Vial : 11 Sample Multiplier: 1

Integration Parameters: LSCINT.P

Integrator: RTE
 Smoothing : OFF
 Sampling : 1
 Start Thrs: 0.05
 Stop Thrs : 0

Filtering: 5
 Min Area: 500 Area counts
 Max Peaks: 250
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 1

Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0430.M
 Title : @GCMS_5,mg,625,8270

115	8.551	1262	1267	1276	rVB4	256807	405006	1.21%	0.284%
116	8.636	1277	1283	1285	rBV5	56993	72477	0.22%	0.051%
117	8.673	1285	1290	1292	rVB3	76371	88492	0.27%	0.062%
118	8.705	1293	1296	1299	rVB2	127934	104401	0.31%	0.073%
119	8.732	1299	1301	1307	rVB	58828	57722	0.17%	0.040%
120	8.802	1307	1314	1316	rBV	339109	374152	1.12%	0.262%
121	8.828	1316	1319	1324	rVB	573660	534111	1.60%	0.374%
122	8.876	1325	1328	1330	rVV	77761	70828	0.21%	0.050%
123	8.898	1330	1332	1335	rVV2	89378	89165	0.27%	0.062%
124	8.925	1335	1337	1343	rVB3	49568	57872	0.17%	0.041%
125	8.983	1344	1348	1350	rBV4	35116	43655	0.13%	0.031%
126	9.005	1351	1352	1358	rVB4	28104	22757	0.07%	0.016%
127	9.058	1358	1362	1366	rBV2	42970	64400	0.19%	0.045%
128	9.112	1369	1372	1373	rBV2	21748	16968	0.05%	0.012%
129	9.160	1374	1381	1385	rVB3	138175	206622	0.62%	0.145%
130	9.202	1386	1389	1392	rVB4	51522	41970	0.13%	0.029%
131	9.240	1393	1396	1400	rBV3	23940	33425	0.10%	0.023%
132	9.288	1400	1405	1407	rBV3	53212	67637	0.20%	0.047%
133	9.336	1408	1414	1417	rBV4	137643	214695	0.64%	0.150%
134	9.368	1417	1420	1422	rVV	96852	91993	0.28%	0.064%
135	9.389	1422	1424	1428	rVB3	132884	130092	0.39%	0.091%
136	9.512	1431	1447	1451	rBV4	829916	2141724	6.42%	1.501%
137	9.550	1451	1454	1459	rVB2	110582	156846	0.47%	0.110%
138	9.619	1460	1467	1471	rVV	319503	465896	1.40%	0.326%
139	9.651	1471	1473	1488	rVV5	145526	339092	1.02%	0.238%
140	9.747	1488	1491	1494	rVV3	42005	48490	0.15%	0.034%
141	9.785	1494	1498	1502	rVV6	59733	99832	0.30%	0.070%
142	9.838	1502	1508	1512	rVB	1833047	1715914	5.15%	1.202%
143	9.875	1512	1515	1519	rBV4	59754	85210	0.26%	0.060%
144	9.913	1519	1522	1526	rBV3	69706	98243	0.29%	0.069%
145	9.956	1526	1530	1532	rVB2	100706	104426	0.31%	0.073%
146	9.988	1533	1536	1545	rVB8	129595	335209	1.01%	0.235%
147	10.068	1545	1551	1555	rBV	629708	599516	1.80%	0.420%
148	10.127	1558	1562	1566	rBV	333166	310894	0.93%	0.218%
149	10.185	1569	1573	1578	rBV	586671	559057	1.68%	0.392%
150	10.244	1578	1584	1587	rBV6	63204	126318	0.38%	0.089%
151	10.287	1587	1592	1595	rBV	651787	653483	1.96%	0.458%
152	10.314	1595	1597	1601	rBV4	39599	49786	0.15%	0.035%
153	10.346	1601	1603	1605	rBV3	25965	19475	0.06%	0.014%

Data Path : G:\GcMsData\2010\GCMS_5\Data\05-12-10\
 Data File : 5M57773.D
 Acq On : 12 May 2010 12:18
 Operator : AHD
 Sample : AC51387-005
 Misc : S,BNA
 ALS Vial : 11 Sample Multiplier: 1

Integration Parameters: LSCINT.P

Integrator: RTE
 Smoothing : OFF
 Sampling : 1
 Start Thrs: 0.05
 Stop Thrs : 0

Filtering: 5
 Min Area: 500 Area counts
 Max Peaks: 250
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 1

Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0430.M
 Title : @GCMS_5,mg,625,8270

154	10.383	1605	1610	1612	rBV	385045	508892	1.53%	0.357%
155	10.452	1618	1623	1629	rBV3	104633	172010	0.52%	0.121%
156	10.511	1629	1634	1637	rVV	799591	763794	2.29%	0.535%
157	10.538	1637	1639	1642	rVB3	92752	77501	0.23%	0.054%
158	10.581	1642	1647	1654	rVB	537164	539241	1.62%	0.378%
159	10.634	1654	1657	1660	rBV3	39077	52644	0.16%	0.037%
160	10.677	1661	1665	1668	rVB5	91098	79552	0.24%	0.056%
161	10.709	1668	1671	1673	rBV3	42678	46540	0.14%	0.033%
162	10.778	1681	1684	1694	rVB2	117121	168309	0.50%	0.118%
163	10.853	1695	1698	1703	rBV3	50769	57886	0.17%	0.041%
164	10.896	1703	1706	1709	rBV3	71064	69694	0.21%	0.049%
165	10.939	1709	1714	1720	rVB	1216939	1203980	3.61%	0.844%
166	11.083	1736	1741	1745	rVB3	49395	67562	0.20%	0.047%
167	11.152	1749	1754	1765	rVB8	197751	481597	1.44%	0.337%
168	11.350	1785	1791	1798	rVB	1325942	1317231	3.95%	0.923%
169	11.499	1814	1819	1822	rBV6	46876	88187	0.26%	0.062%
170	11.601	1830	1838	1842	rVB3	135888	166421	0.50%	0.117%
171	11.638	1842	1845	1848	rVB3	49492	48264	0.14%	0.034%
172	11.670	1848	1851	1854	rVB4	32219	37312	0.11%	0.026%
173	11.713	1854	1859	1861	rBV5	135275	158688	0.48%	0.111%
174	11.751	1861	1866	1872	rVB	1541429	1633812	4.90%	1.145%
175	11.809	1872	1877	1881	rBV2	348954	484116	1.45%	0.339%
176	11.847	1881	1884	1887	rVB	92734	93375	0.28%	0.065%
177	11.943	1896	1902	1906	rBV	613156	626103	1.88%	0.439%
178	11.986	1907	1910	1914	rVB	55686	62772	0.19%	0.044%
179	12.028	1915	1918	1922	rVB5	117311	126895	0.38%	0.089%
180	12.092	1927	1930	1933	rBV4	43098	58169	0.17%	0.041%
181	12.141	1933	1939	1943	rVB	1277851	1297342	3.89%	0.909%
182	12.189	1943	1948	1951	rBV5	60282	87149	0.26%	0.061%
183	12.247	1956	1959	1962	rBV4	49775	74440	0.22%	0.052%
184	12.290	1965	1967	1972	rVB2	72367	76116	0.23%	0.053%
185	12.370	1978	1982	1986	rBV2	227366	226965	0.68%	0.159%
186	12.408	1987	1989	1993	rVB3	66772	58787	0.18%	0.041%
187	12.515	1993	2009	2019	rBV	1421777	1874236	5.62%	1.313%
188	12.600	2021	2025	2029	rBV	798326	787884	2.36%	0.552%
189	12.643	2029	2033	2040	rBV2	197461	236375	0.71%	0.166%
190	12.696	2040	2043	2046	rVB3	57232	60157	0.18%	0.042%
191	12.744	2047	2052	2056	rBV3	288462	359687	1.08%	0.252%
192	12.782	2056	2059	2061	rBV	74739	82428	0.25%	0.058%

Data Path : G:\GcMsData\2010\GCMS_5\Data\05-12-10\
 Data File : 5M57773.D
 Acq On : 12 May 2010 12:18
 Operator : AHD
 Sample : AC51387-005
 Misc : S,BNA
 ALS Vial : 11 Sample Multiplier: 1

Integration Parameters: LSCINT.P

Integrator: RTE
 Smoothing : OFF
 Sampling : 1
 Start Thrs: 0.05
 Stop Thrs : 0

Filtering: 5
 Min Area: 500 Area counts
 Max Peaks: 250
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 1

Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0430.M
 Title : @GCMS_5,mg,625,8270

193	12.824	2065	2067	2070	rBV3	47238	42472	0.13%	0.030%
194	12.883	2070	2078	2082	rVB	854726	952550	2.86%	0.667%
195	12.963	2086	2093	2102	rBV2	315162	769726	2.31%	0.539%
196	13.033	2102	2106	2115	rVB4	390137	675018	2.02%	0.473%
197	13.118	2115	2122	2128	rBV2	1812705	2747176	8.24%	1.925%
198	13.172	2128	2132	2139	rVV4	1453082	1913571	5.74%	1.341%
199	13.236	2139	2144	2147	rVB2	1960310	2037486	6.11%	1.428%
200	13.273	2148	2151	2154	rBV4	104592	138236	0.41%	0.097%
201	13.337	2155	2163	2168	rVB4	981558	1501574	4.50%	1.052%
202	13.428	2177	2180	2186	rBV2	476634	737448	2.21%	0.517%
203	13.476	2186	2189	2193	rVB2	336432	395149	1.18%	0.277%
204	13.530	2194	2199	2203	rBV	701858	846891	2.54%	0.593%
205	13.572	2203	2207	2213	rVB	827696	842370	2.53%	0.590%
206	13.631	2213	2218	2223	rVB3	281963	316314	0.95%	0.222%
207	13.679	2223	2227	2229	rBV2	171084	199328	0.60%	0.140%
208	13.743	2230	2239	2242	rVV	834110	1461405	4.38%	1.024%
209	13.786	2242	2247	2252	rVV2	1982940	2721888	8.16%	1.907%
210	13.834	2252	2256	2259	rVV	1453200	1815201	5.44%	1.272%
211	13.861	2259	2261	2264	rVV2	580262	652065	1.96%	0.457%
212	13.898	2264	2268	2277	rVV	972508	1487238	4.46%	1.042%
213	13.984	2277	2284	2291	rVB5	1361532	2630766	7.89%	1.843%
214	14.048	2291	2296	2301	rVB	639885	825710	2.48%	0.579%
215	14.112	2301	2308	2312	rBV2	1147480	1591622	4.77%	1.115%
216	14.149	2312	2315	2326	rVB7	272873	545830	1.64%	0.382%
217	14.235	2326	2331	2336	rBV	312855	465078	1.39%	0.326%
218	14.277	2337	2339	2347	rVB4	194849	321884	0.97%	0.226%
219	14.352	2347	2353	2357	rBV3	427817	755089	2.26%	0.529%
220	14.395	2357	2361	2367	rVB	384355	516979	1.55%	0.362%
221	14.454	2367	2372	2374	rBV3	150007	202273	0.61%	0.142%
222	14.496	2374	2380	2385	rVV3	1385028	2038867	6.11%	1.428%
223	14.545	2385	2389	2393	rVV3	158890	245115	0.73%	0.172%
224	14.598	2393	2399	2406	rVV5	247495	540718	1.62%	0.379%
225	14.716	2406	2421	2428	rVB2	2890392	7068986	21.20%	4.953%
226	14.774	2429	2432	2437	rVB5	127070	177740	0.53%	0.125%
227	14.865	2439	2449	2452	rBV3	3605947	8081986	24.23%	5.662%
228	14.935	2458	2462	2467	rVB2	1039239	1457150	4.37%	1.021%
229	15.036	2467	2481	2486	rVV2	3747820	8502284	25.49%	5.957%
230	15.089	2486	2491	2497	rVV2	1225775	1875952	5.62%	1.314%
231	15.159	2497	2504	2513	rVB3	1570816	3140037	9.42%	2.200%

Data Path : G:\GcMsData\2010\GCMS_5\Data\05-12-10\
Data File : 5M57773.D
Acq On : 12 May 2010 12:18
Operator : AHD
Sample : AC51387-005
Misc : S,BNA
ALS Vial : 11 Sample Multiplier: 1

Integration Parameters: LSCINT.P

Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 500 Area counts
Start Thrs: 0.05 Max Peaks: 250
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 1

Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0430.M
Title : @GCMS_5,mg,625,8270

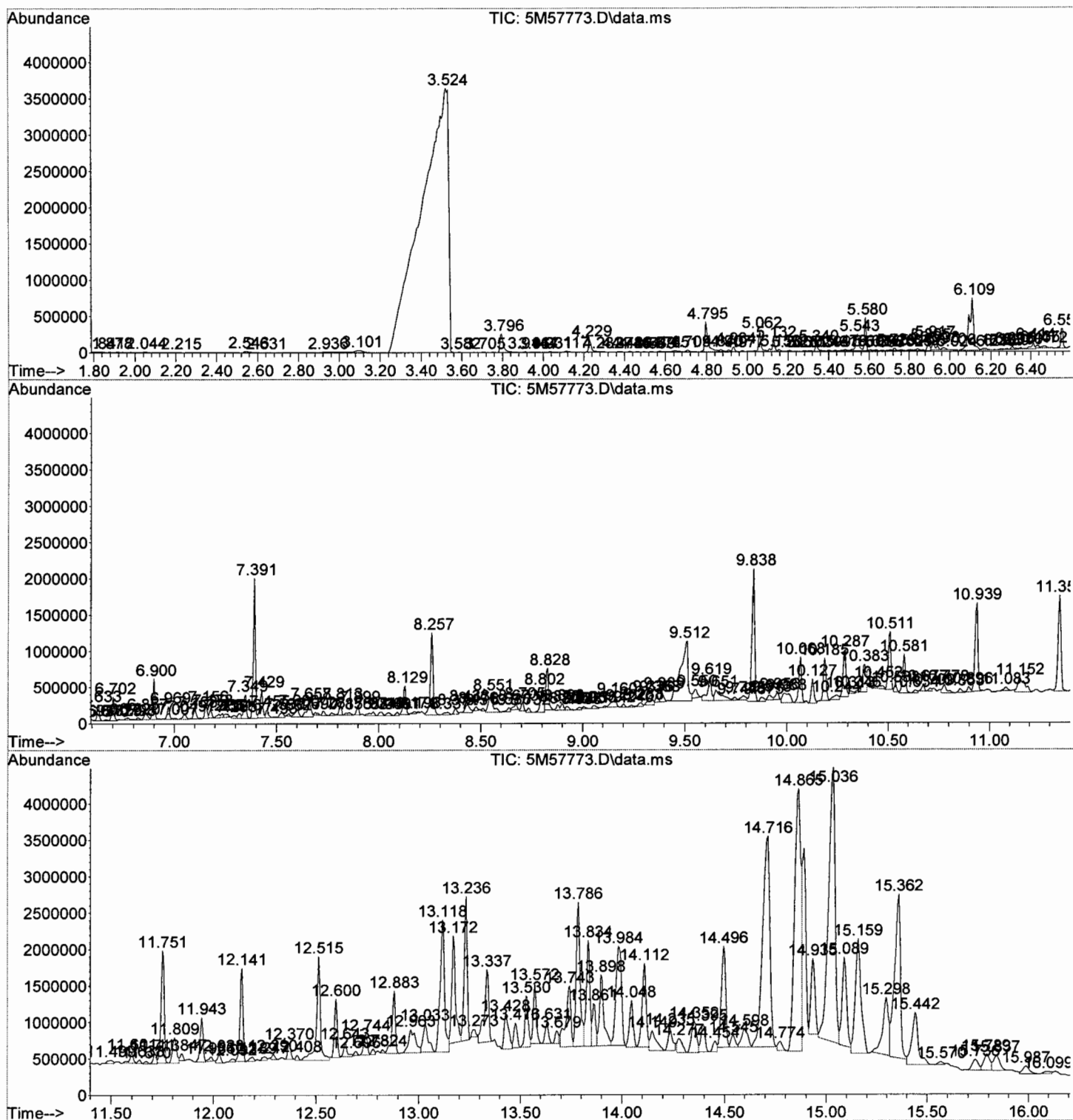
232	15.298	2516	2530	2533	rBV2	758955	1663182	4.99%	1.165%
233	15.362	2533	2542	2549	rVV	2245613	4597385	13.79%	3.221%
234	15.442	2549	2557	2572	rVB	714855	1625849	4.88%	1.139%
235	15.570	2576	2581	2584	rBV6	45809	68281	0.20%	0.048%
236	15.736	2605	2612	2617	rBV6	146042	313778	0.94%	0.220%
237	15.789	2617	2622	2627	rVV4	223533	480847	1.44%	0.337%
238	15.837	2627	2631	2642	rVB9	212003	461147	1.38%	0.323%
239	15.987	2653	2659	2672	rVB9	112104	264928	0.79%	0.186%
240	16.099	2673	2680	2684	rBV9	32519	82276	0.25%	0.058%

Sum of corrected areas: 142730127

Data Path : G:\GCMSData\2010\GCMS_5\Data\05-12-10\
Data File : 5M57773.D
Acq On : 12 May 2010 12:18
Operator : AHD
Sample : AC51387-005
Misc : S,BNA
ALS Vial : 11 Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0430.M
Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P



Data Path : G:\GcMsData\2010\GCMS_5\Data\05-12-10\
Data File : 5M57773.D
Acq On : 12 May 2010 12:18
Operator : AHD
Sample : AC51387-005
Misc : S,BNA
ALS Vial : 11 Sample Multiplier: 1

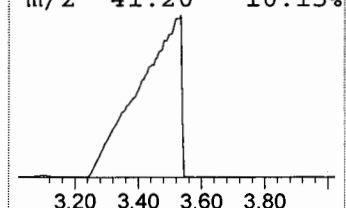
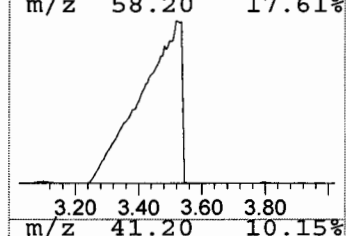
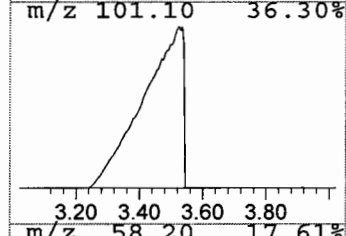
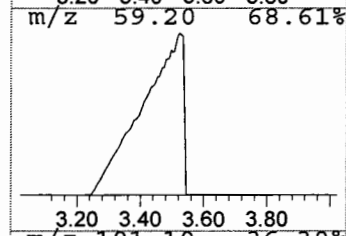
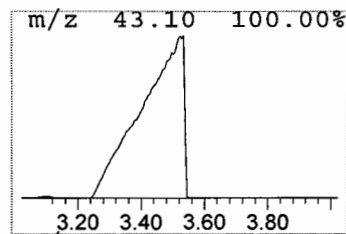
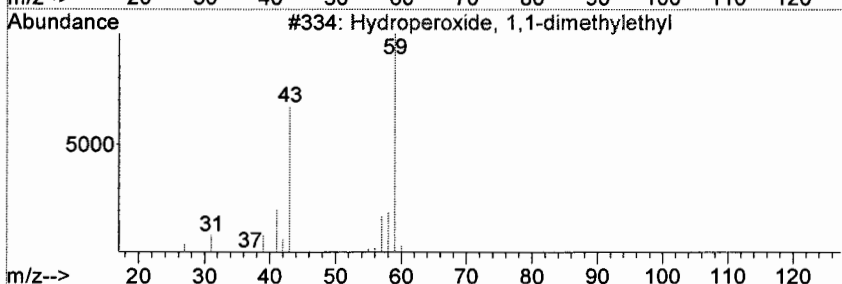
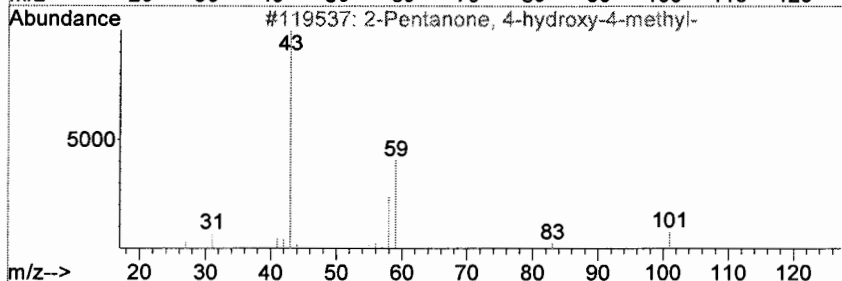
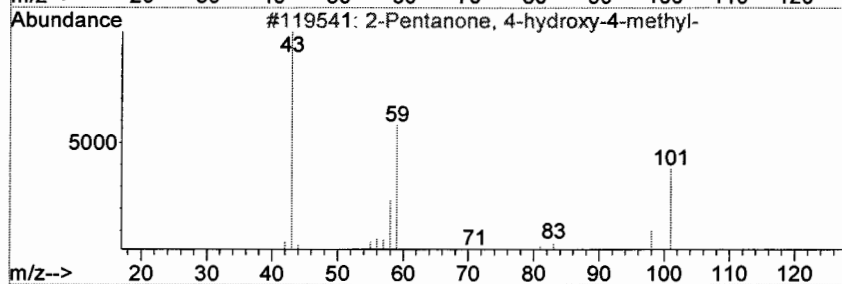
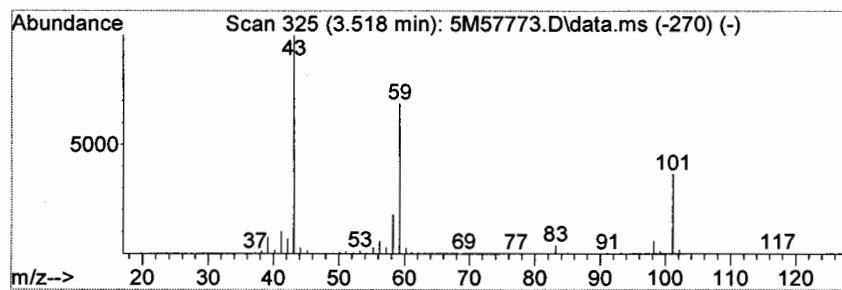
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Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.52	6428.53 ng	33350259	LibIS-1,4-Dichlorobenzene-d4	5.06

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	42
2		2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	42
3		Hydroperoxide, 1,1-dimethylethyl	90	C4H10O2	000075-91-2	42
4		2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	38
5		2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	33



Data Path : G:\GCMSData\2010\GCMS_5\Data\05-12-10\
Data File : 5M57773.D
Acq On : 12 May 2010 12:18
Operator : AHD
Sample : AC51387-005
Misc : S,BNA
ALS Vial : 11 Sample Multiplier: 1

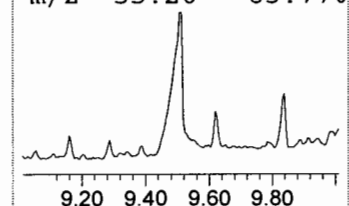
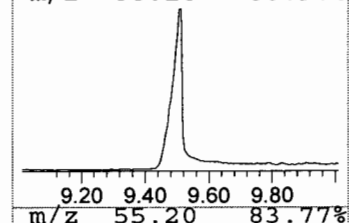
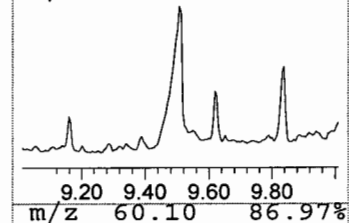
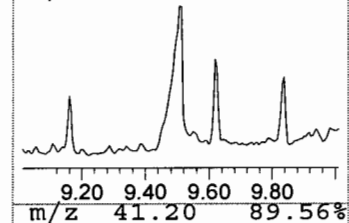
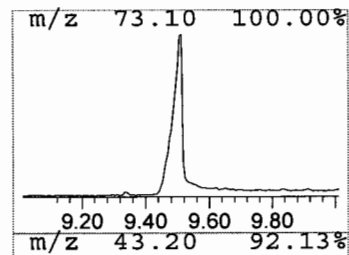
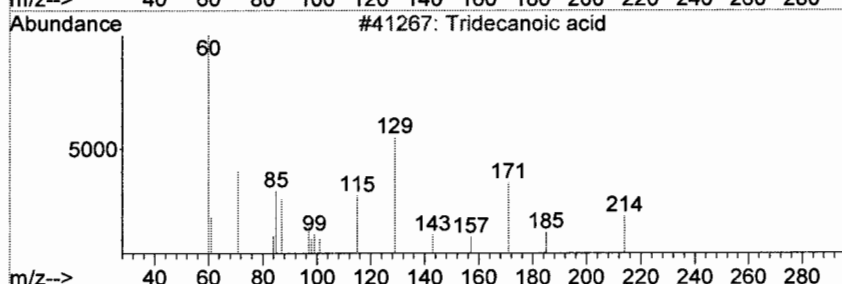
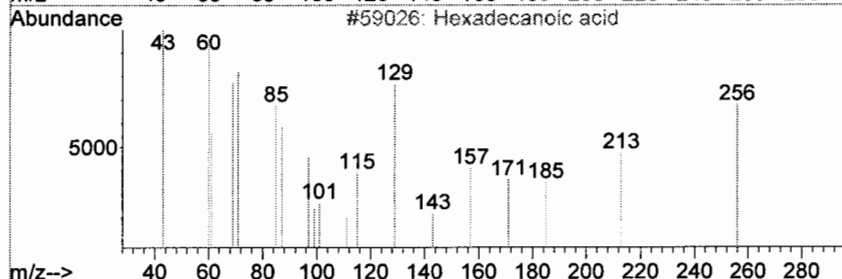
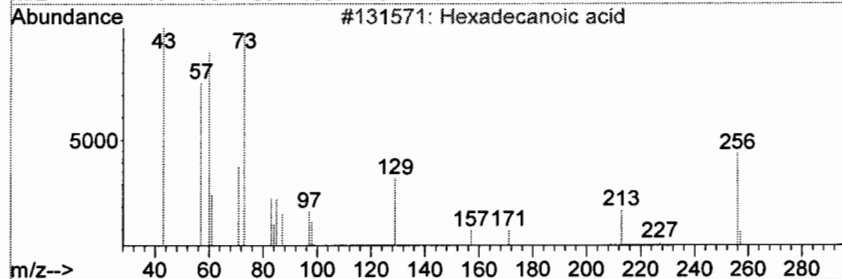
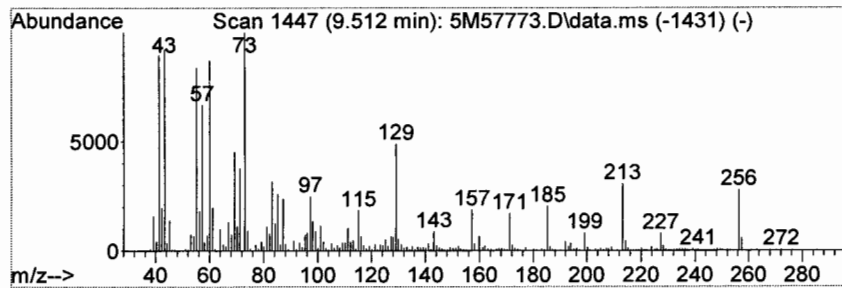
Quant Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0430.M
Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Hexadecanoic acid Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.51	328.00 ng	2141724	LibIS-Phenanthrene-d10	8.80

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexadecanoic acid	256	C16H32O2	000057-10-3	95
2			Hexadecanoic acid	256	C16H32O2	000057-10-3	95
3			Tridecanoic acid	214	C13H26O2	000638-53-9	93
4			Pentadecanoic acid	242	C15H30O2	001002-84-2	64
5			Tetradecanoic acid	228	C14H28O2	000544-63-8	64



Data Path : G:\GCMSData\2010\GCMS_5\Data\05-12-10\
Data File : 5M57773.D
Acq On : 12 May 2010 12:18
Operator : AHD
Sample : AC51387-005
Misc : S,BNA
ALS Vial : 11 Sample Multiplier: 1

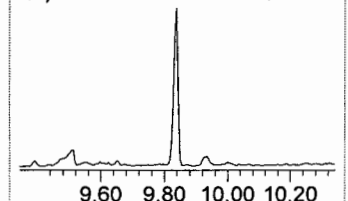
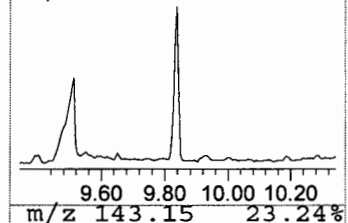
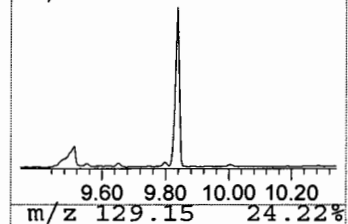
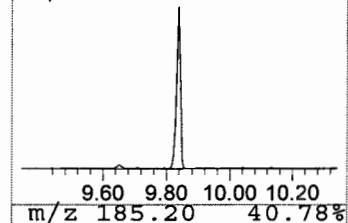
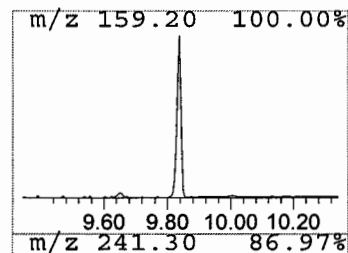
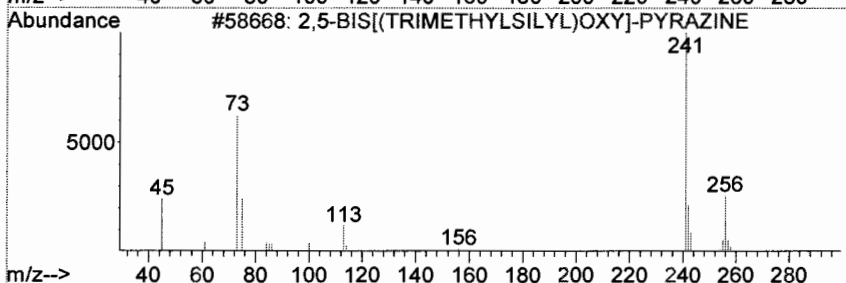
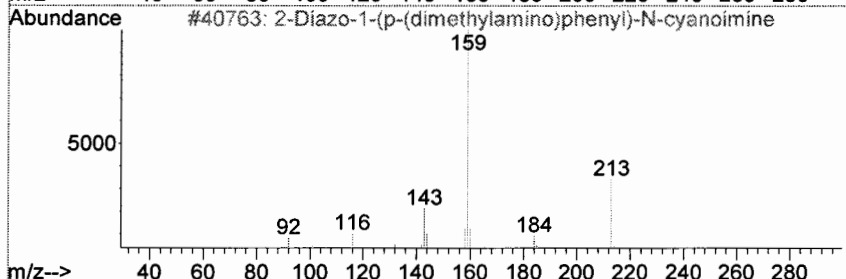
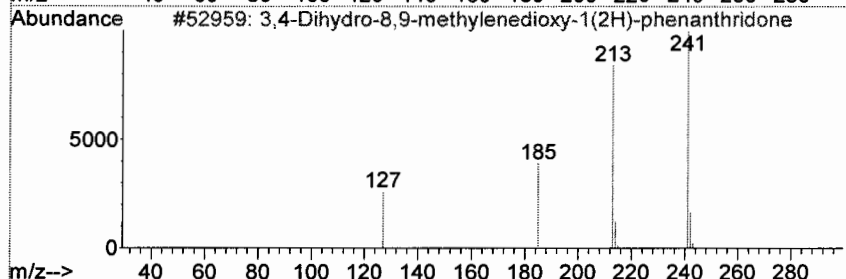
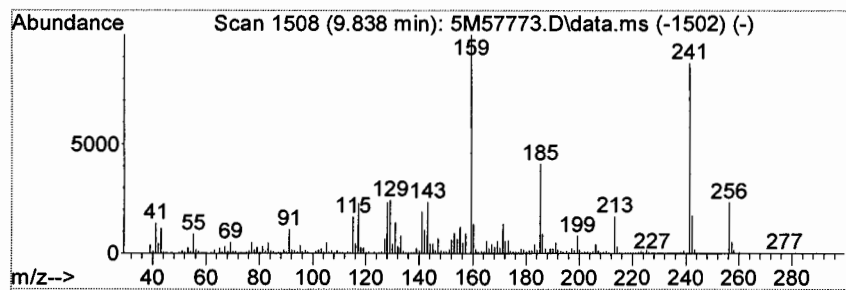
Quant Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0430.M
Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 unknown Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.84	262.79 ng	1715914	LibIS-Phenanthrene-d10	8.80

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			3,4-Dihydro-8,9-methylenedioxy-1...	241	C14H11NO3	068890-28-8	27
2			2-Diazo-1-(p-(dimethylamino)phen...	213	C11H11N5	085980-25-2	22
3			2,5-BIS[(TRIMETHYLSILYL)OXY]-PYR...	256	C10H20N2O2Si2	000000-00-0	22
4			Ethyl 2-ethylhexylmalonamide	242	C13H26N2O2	000000-00-0	18
5			1H-Benz[de]isoquinoline-1,3(2H)-...	241	C14H11NO3	055133-82-9	18



Data Path : G:\GCMSData\2010\GCMS_5\Data\05-12-10\
Data File : 5M57773.D
Acq On : 12 May 2010 12:18
Operator : AHD
Sample : AC51387-005
Misc : S,BNA
ALS Vial : 11 Sample Multiplier: 1

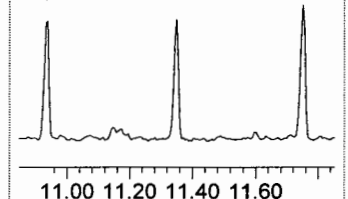
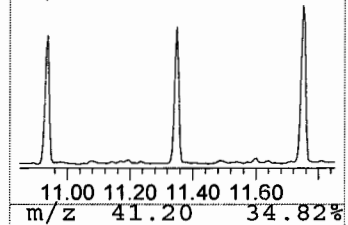
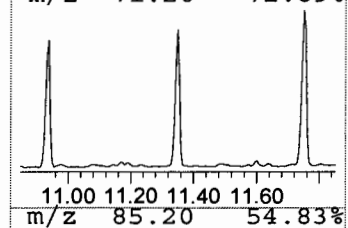
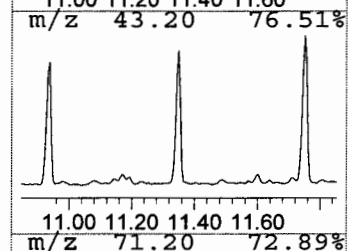
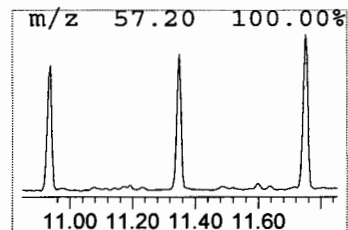
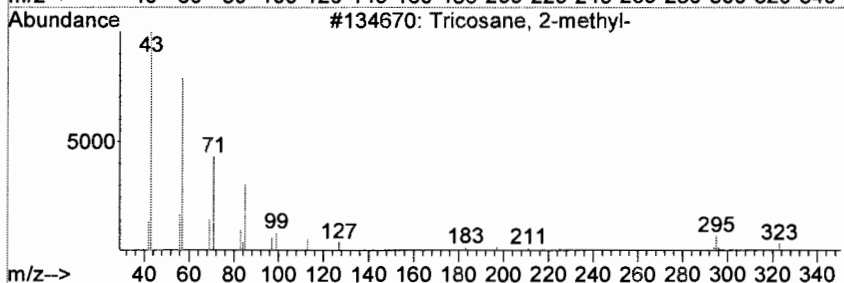
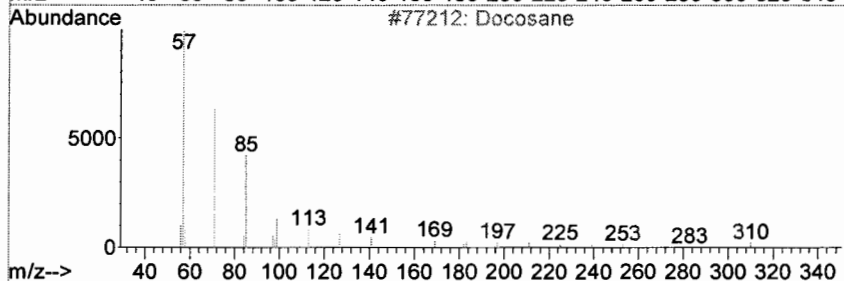
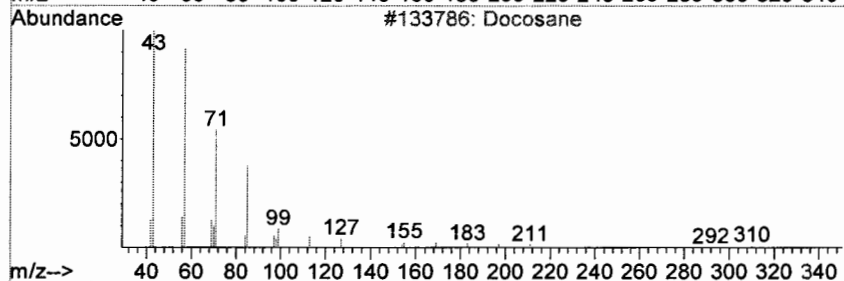
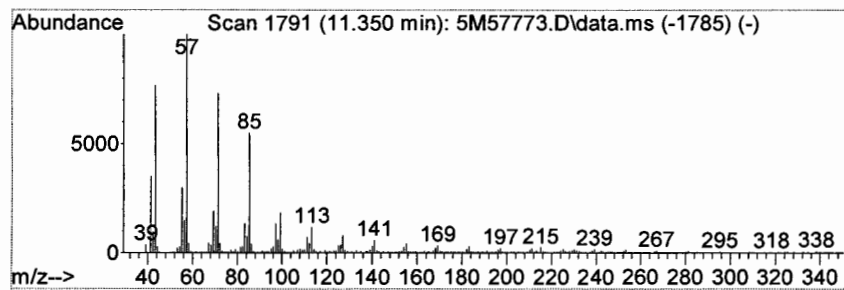
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Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Docosane Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.35	201.73 ng	1317231	LibIS-Phenanthrene-d10	8.80

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Docosane	310	C22H46	000629-97-0	98
2			Docosane	310	C22H46	000629-97-0	93
3			Tricosane, 2-methyl-	338	C24H50	001928-30-9	93
4			Pentadecane, 8-hexyl-	296	C21H44	013475-75-7	93
5			Tetratriacontane	479	C34H70	014167-59-0	91



Data Path : G:\GcMsData\2010\GCMS_5\Data\05-12-10\
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Operator : AHD
Sample : AC51387-005
Misc : S,BNA
ALS Vial : 11 Sample Multiplier: 1

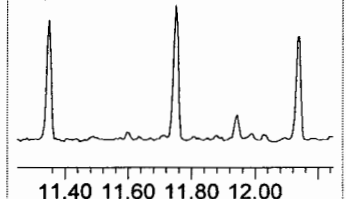
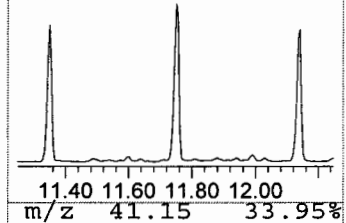
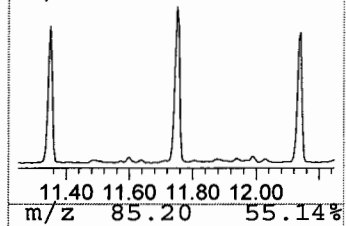
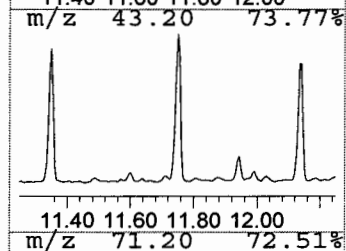
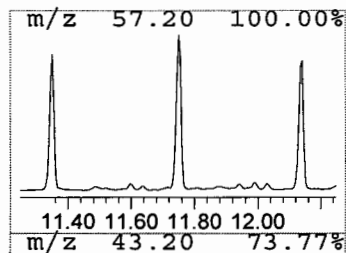
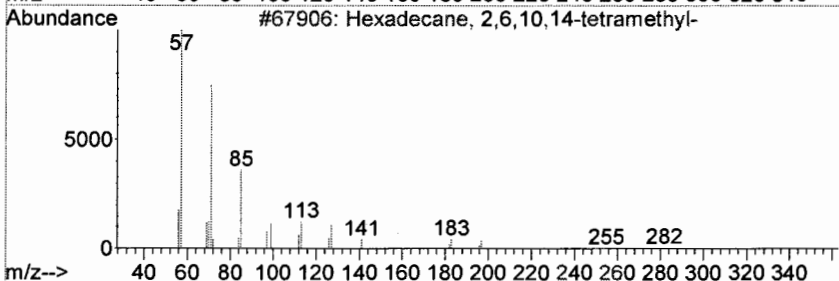
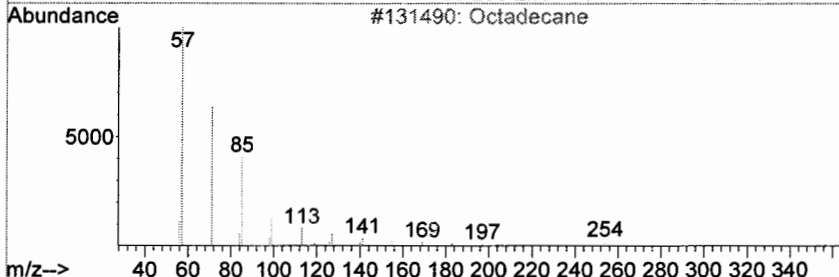
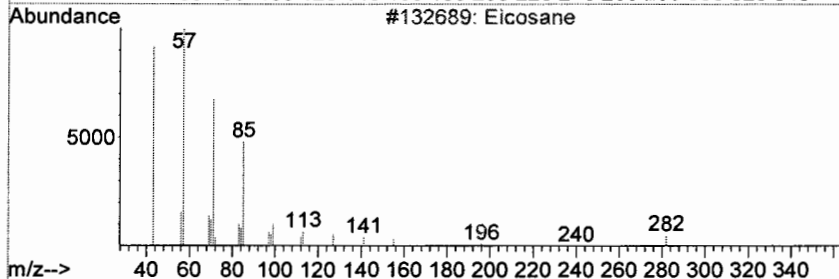
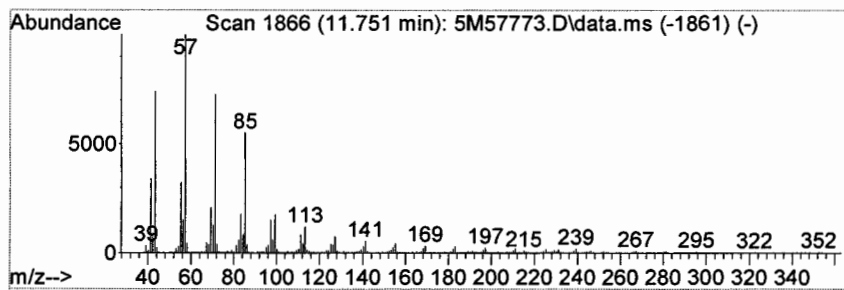
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TIC Integration Parameters: LSCINT.P

Peak Number 5 Eicosane Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.75	250.22 ng	1633812	LibIS-Phenanthrene-d10	8.80

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Eicosane	282	C20H42	000112-95-8	97
2			Octadecane	254	C18H38	000593-45-3	95
3			Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	95
4			Iron, tricarbonyl[N-(phenyl-2-py...	398	C21H14FeN2O3	074764-11-7	91
5			Docosane, 11-decyl-	451	C32H66	055401-55-3	91



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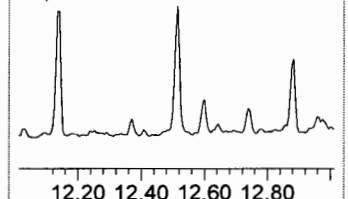
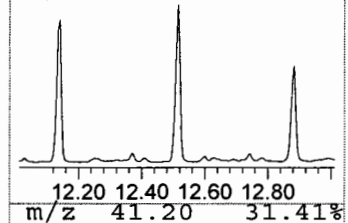
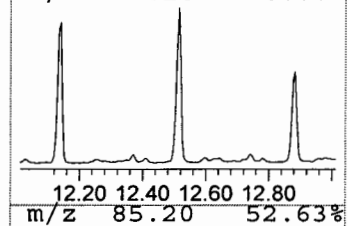
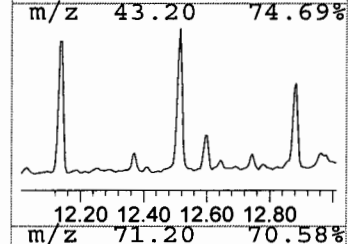
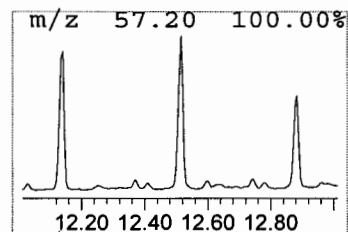
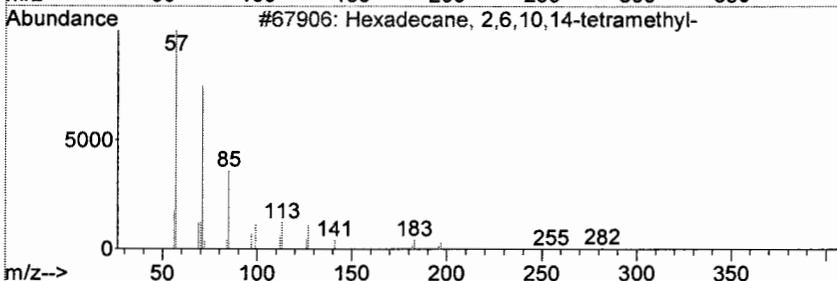
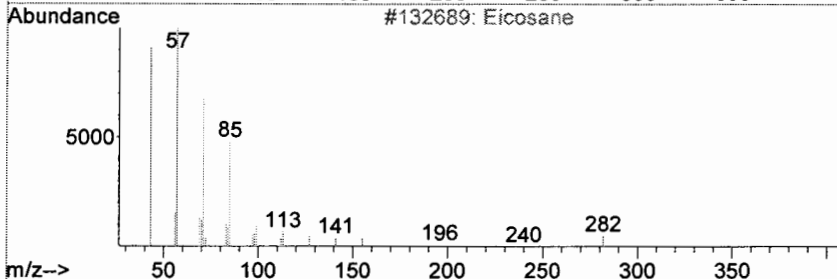
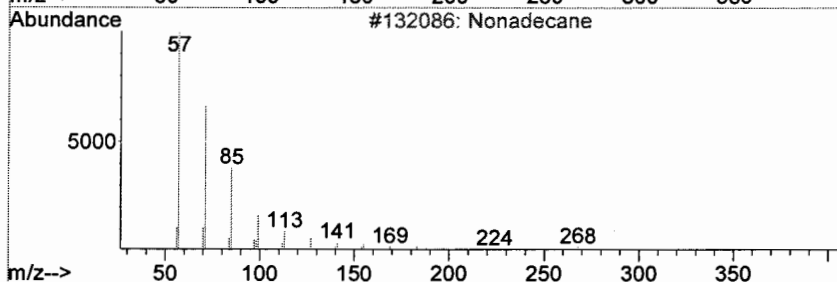
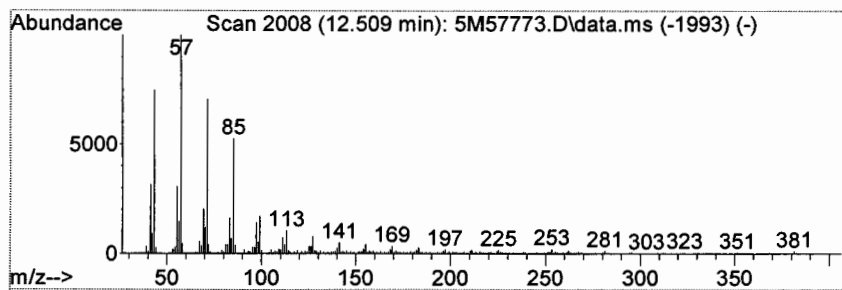
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TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 Nonadecane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.51	287.04 ng	1874236	LibIS-Phenanthrene-d10	8.80

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Nonadecane	268	C19H40	000629-92-5	95
2			Eicosane	282	C20H42	000112-95-8	95
3			Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	95
4			Octadecane	254	C18H38	000593-45-3	93
5			Octadecane, 5,14-dibutyl-	366	C26H54	055282-13-8	92



Data Path : G:\GcMsData\2010\GCMS_5\Data\05-12-10\
Data File : 5M57773.D
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Sample : AC51387-005
Misc : S,BNA
ALS Vial : 11 Sample Multiplier: 1

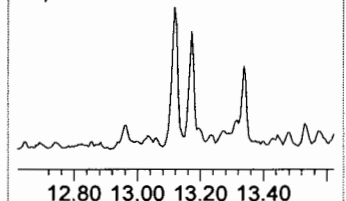
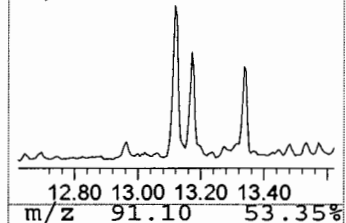
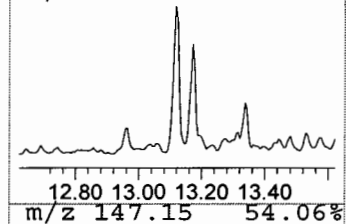
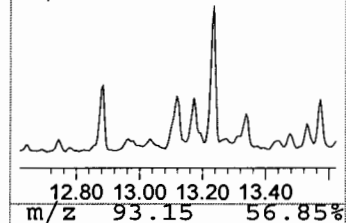
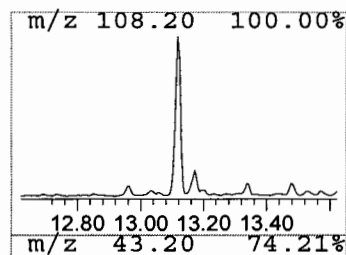
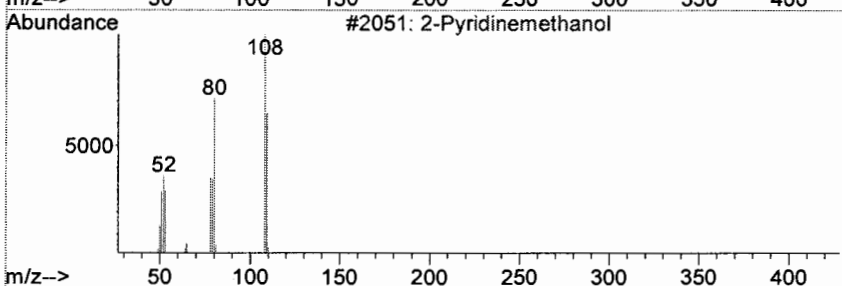
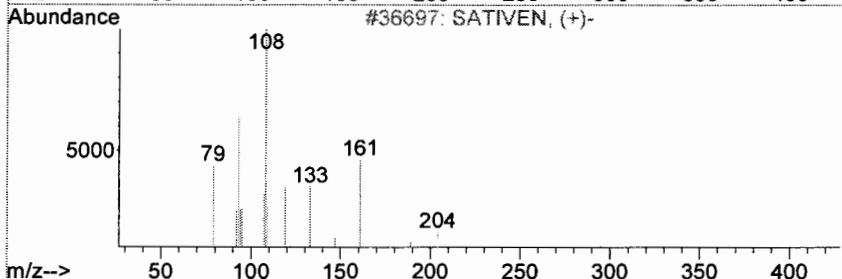
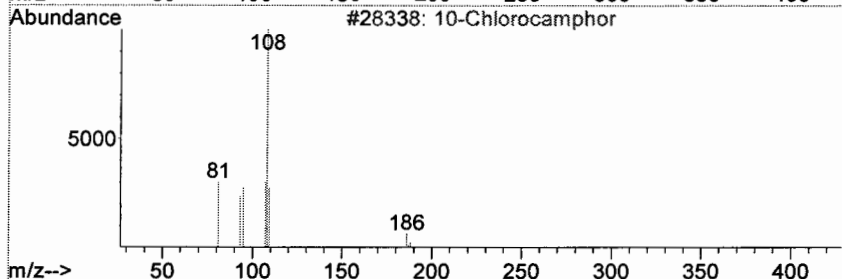
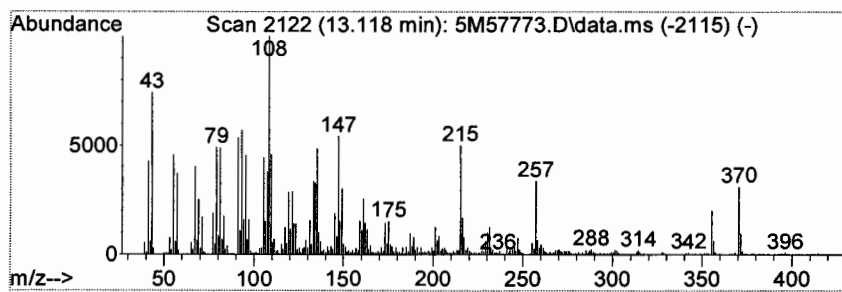
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TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 unknown Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.12	420.73 ng	2747176	LibIS-Phenanthrene-d10	8.80

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			10-Chlorocamphor	186	C10H15ClO	091200-93-0	27
2			SATIVEN, (+)-	204	C15H24	003650-28-0	22
3			2-Pyridinemethanol	109	C6H7NO	000586-98-1	22
4			.alpha.-Pinene oxide	152	C10H16O	001686-14-2	16
5			.ALPHA.-CAMPHOLENE ALDEHYDE	152	C10H16O	004501-58-0	14



Data Path : G:\GcMsData\2010\GCMS_5\Data\05-12-10\
Data File : 5M57773.D
Acq On : 12 May 2010 12:18
Operator : AHD
Sample : AC51387-005
Misc : S,BNA
ALS Vial : 11 Sample Multiplier: 1

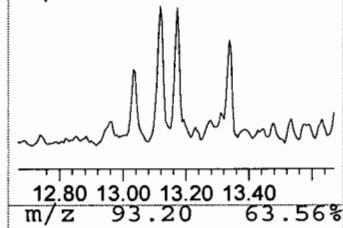
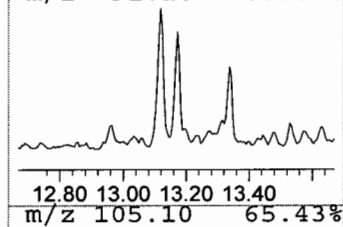
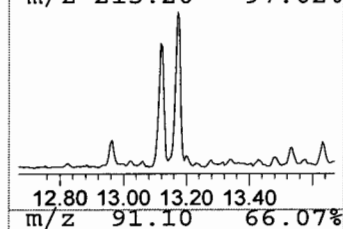
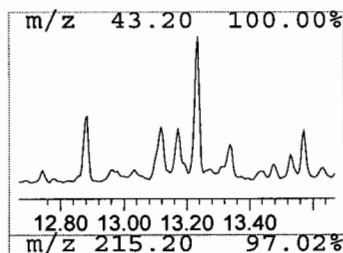
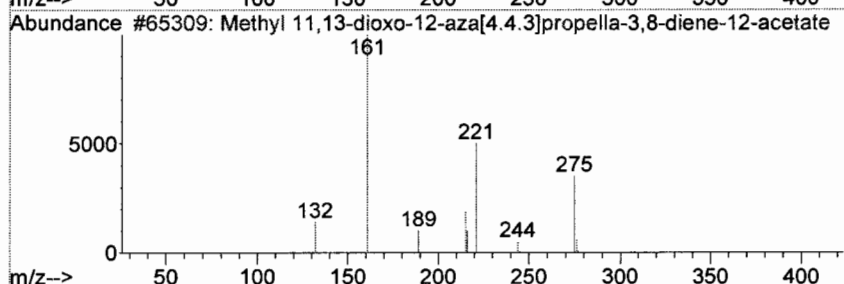
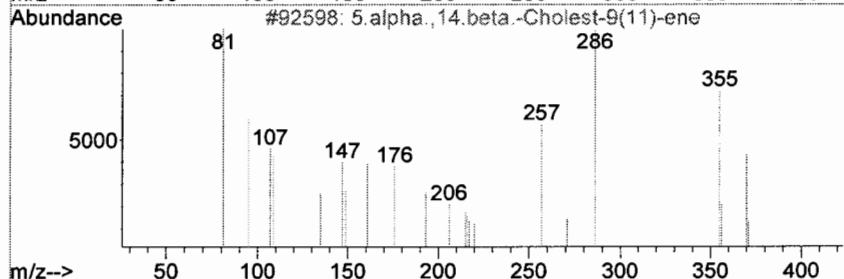
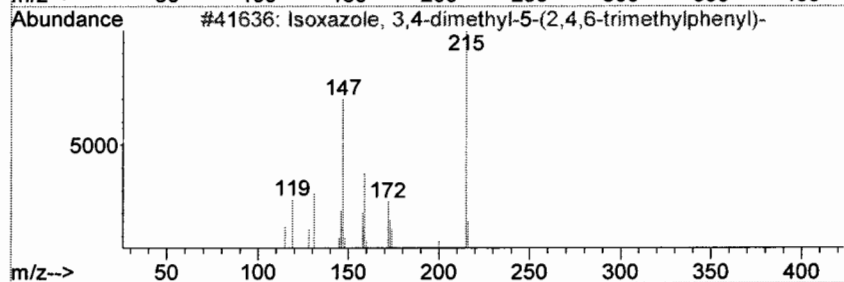
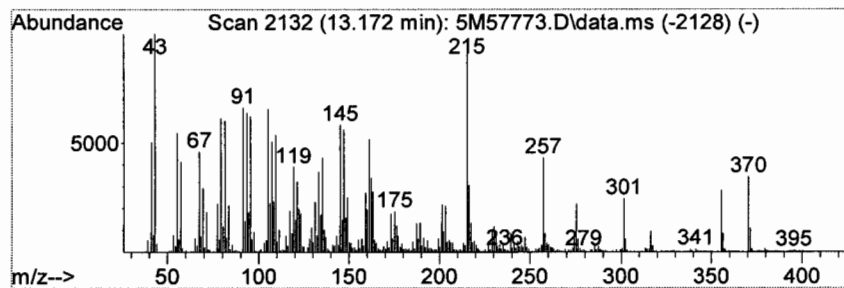
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Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 unknown Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.17	293.06 ng	1913571	LibIS-Phenanthrene-d10	8.80

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Isoxazole, 3,4-dimethyl-5-(2,4,6...	215	C14H17NO	061314-49-6	27
2			5.alpha.,14.beta.-Cholest-9(11)-ene	370	C27H46	069454-73-5	12
3			Methyl 11,13-dioxo-12-aza[4.4.3]...	275	C15H17NO4	078388-33-7	10
4			TRANS-10-PHENYLDECALIN-2-D	214	C16H21D	027863-65-6	9
5			N-Benzyl-2-azabicyclo[2.2.2]octa...	215	C14H17NO	000000-00-0	9



Data Path : G:\GCMSData\2010\GCMS_5\Data\05-12-10\
Data File : 5M57773.D
Acq On : 12 May 2010 12:18
Operator : AHD
Sample : AC51387-005
Misc : S,BNA
ALS Vial : 11 Sample Multiplier: 1

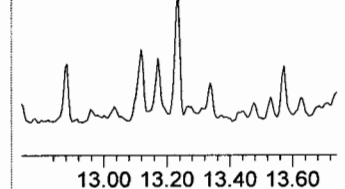
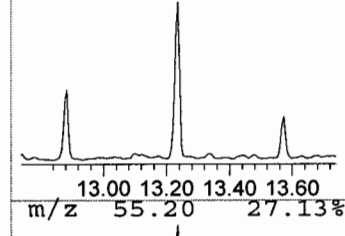
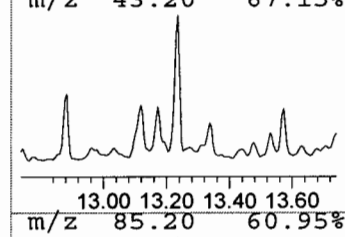
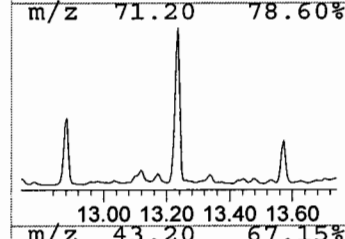
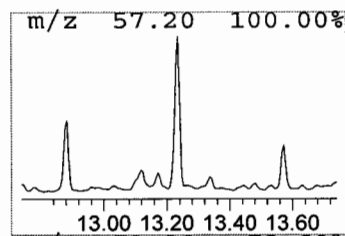
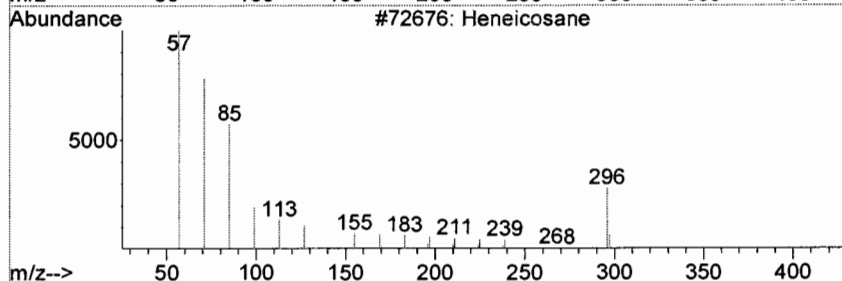
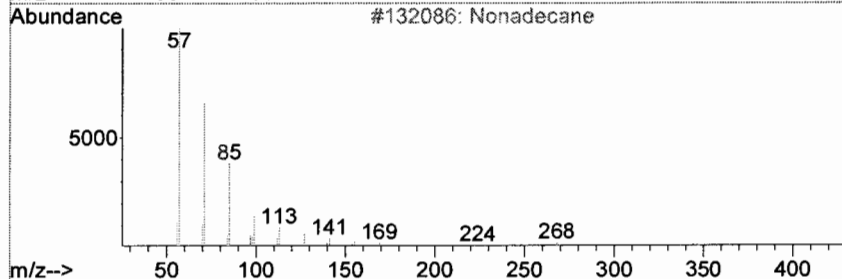
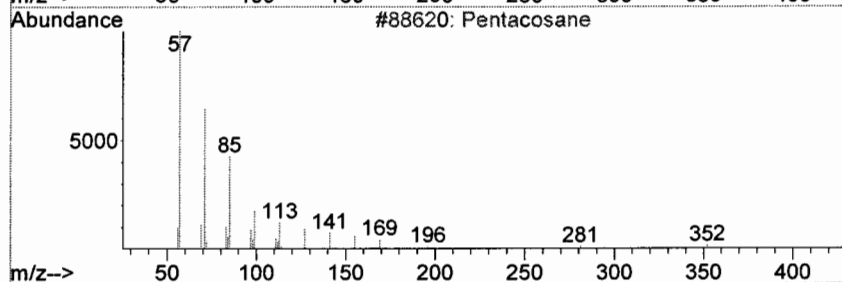
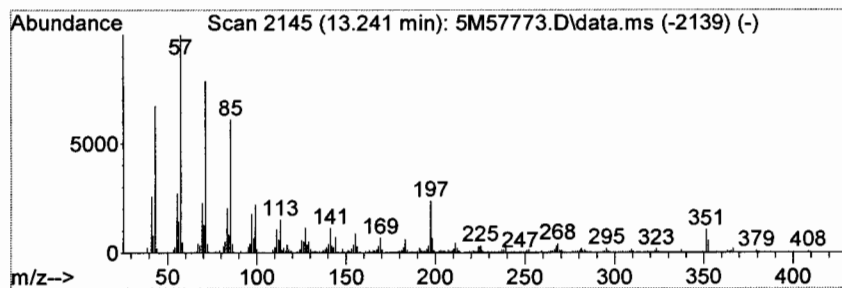
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TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 Pentacosane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.24	312.04 ng	2037486	LibIS-Phenanthrene-d10	8.80

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentacosane	352	C25H52	000629-99-2	99
2			Nonadecane	268	C19H40	000629-92-5	96
3			Heneicosane	296	C21H44	000629-94-7	95
4			Nonadecane	268	C19H40	000629-92-5	94
5			Tricosane	324	C23H48	000638-67-5	93



Data Path : G:\GCMSData\2010\GCMS_5\Data\05-12-10\
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ALS Vial : 11 Sample Multiplier: 1

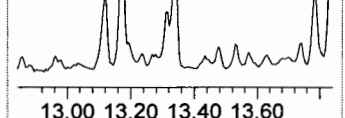
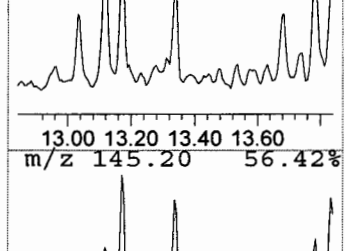
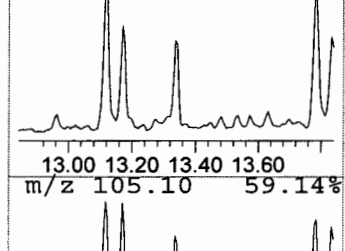
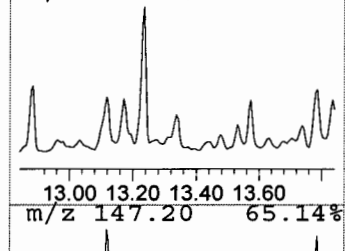
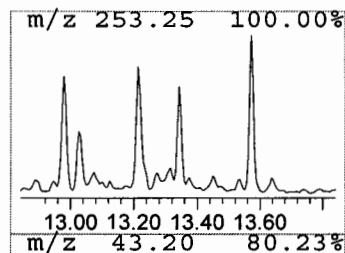
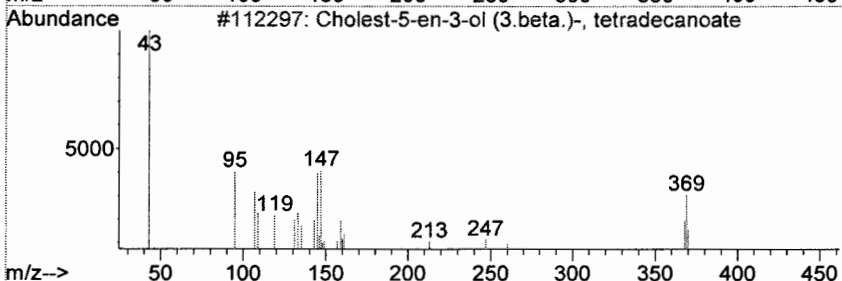
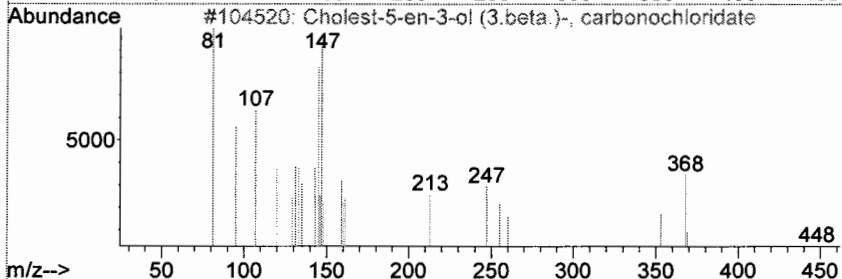
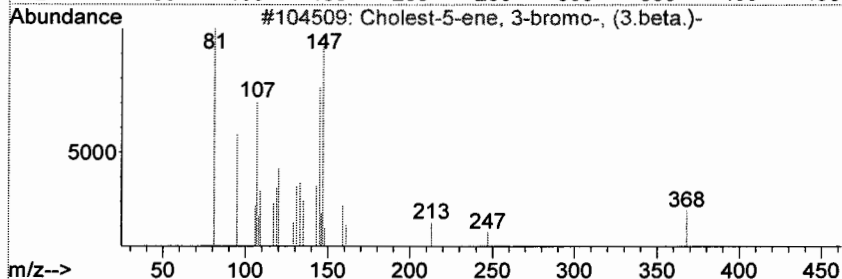
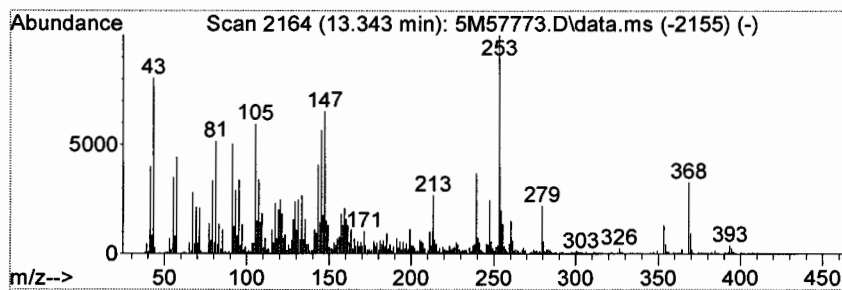
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TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 Cholest-5-ene, 3-bromo-, (3... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.34	229.96 ng	1501574	LibIS-Phenanthrene-d10	8.80

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cholest-5-ene, 3-bromo-, (3.beta.)-	448	C27H45Br	000516-91-6	84
2			Cholest-5-en-3-ol (3.beta.)-, ca...	448	C28H45ClO2	007144-08-3	46
3			Cholest-5-en-3-ol (3.beta.)-, te...	597	C41H72O2	001989-52-2	38
4			Cholest-5-en-3-ol (3.beta.)-, pr...	442	C30H50O2	000633-31-8	35
5			Cholesta-3,5-diene	368	C27H44	000747-90-0	30



Data Path : G:\GcMsData\2010\GCMS_5\Data\05-12-10\
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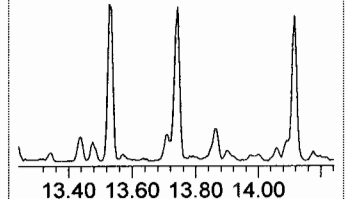
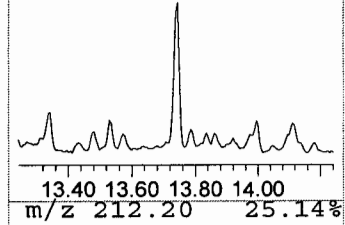
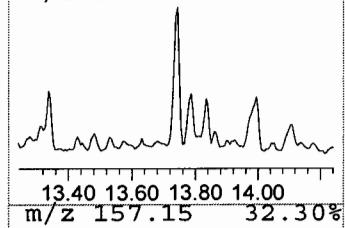
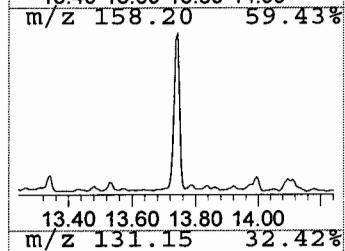
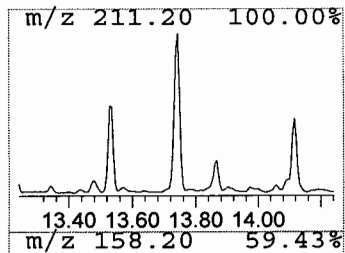
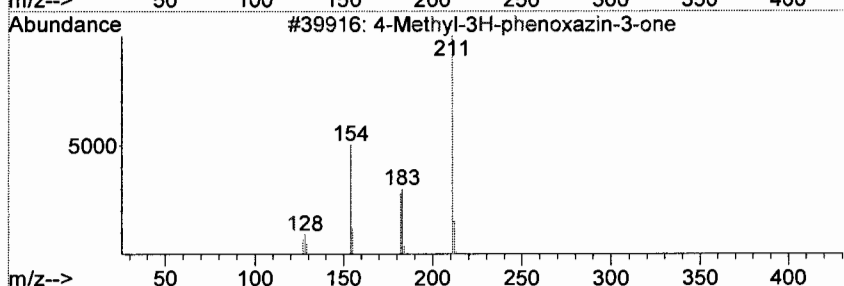
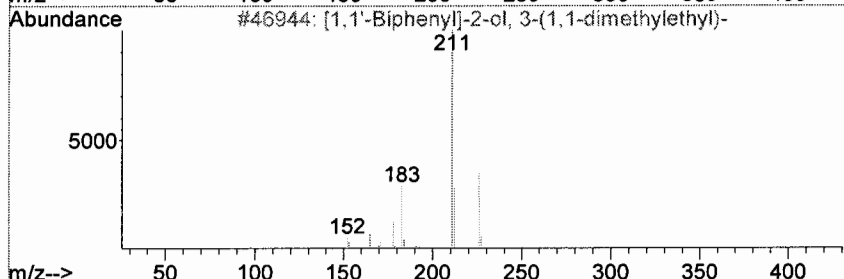
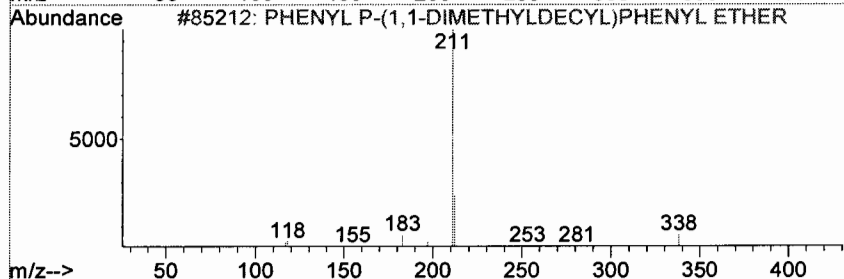
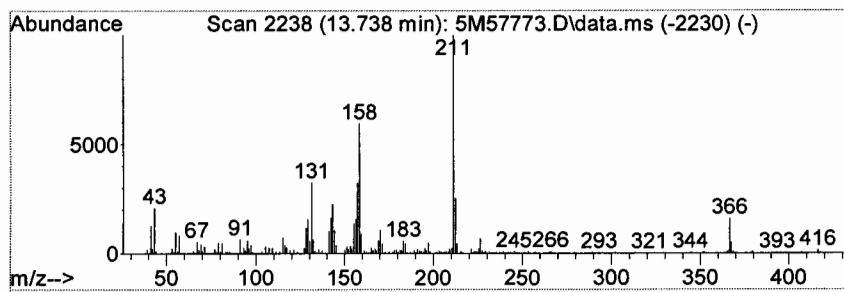
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Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 unknown Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.74	223.81 ng	1461405	LibIS-Phenanthrene-d10	8.80

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			PHENYL P-(1,1-DIMETHYLDECYL)PHEN...	338	C24H34O	000000-00-0	27
2			[1,1'-Biphenyl]-2-ol, 3-(1,1-dim...	226	C16H18O	002416-98-0	27
3			4-Methyl-3H-phenoxazin-3-one	211	C13H9NO2	074683-33-3	22
4			1-PHENYL-2,5-CYCLOHEXADIENE-4,4'-D2	156	C12H10D2	054308-65-5	22
5			3-cyano-4-isopropenyl-5-methylpy...	158	C10H10N2	085170-34-9	22



Data Path : G:\GCMSData\2010\GCMS_5\Data\05-12-10\
Data File : 5M57773.D
Acq On : 12 May 2010 12:18
Operator : AHD
Sample : AC51387-005
Misc : S,BNA
ALS Vial : 11 Sample Multiplier: 1

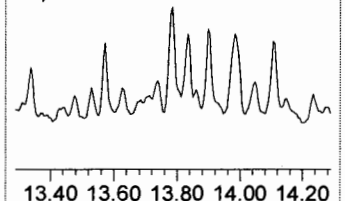
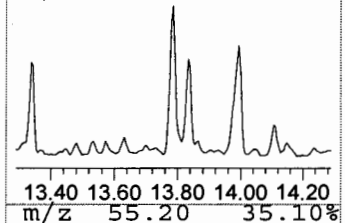
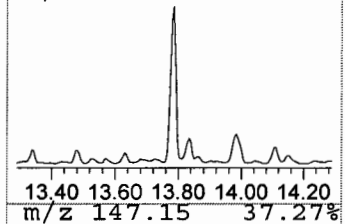
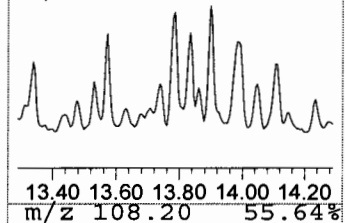
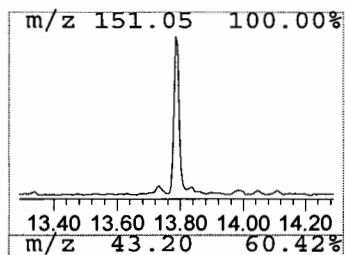
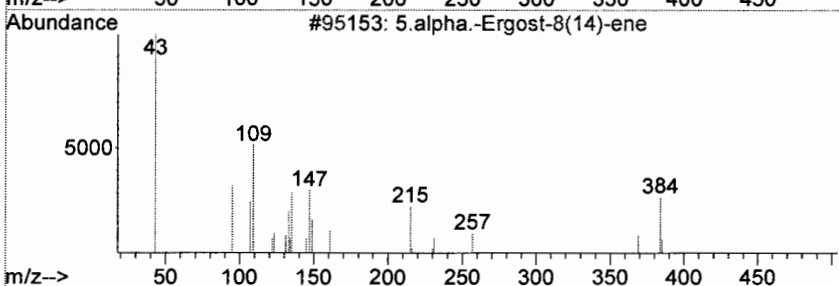
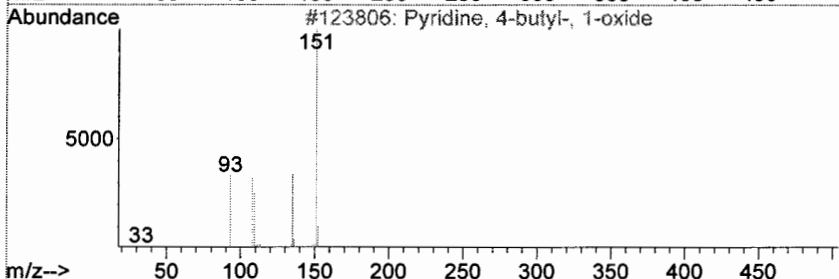
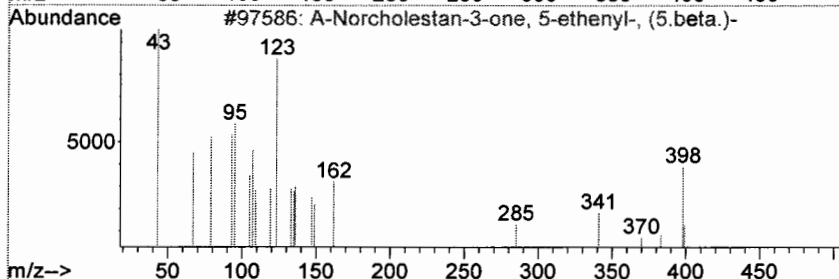
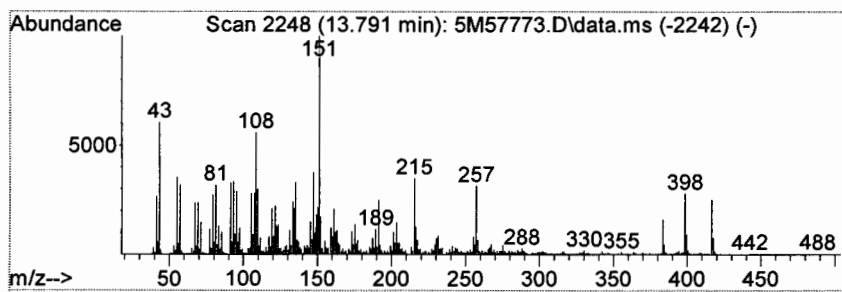
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Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 unknown Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.79	416.85 ng	2721888	LibIS-Phenanthrene-d10	8.80

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			A-Norcholestan-3-one, 5-ethenyl-...	398	C28H46O	019594-90-2	47
2			Pyridine, 4-butyl-, 1-oxide	151	C9H13NO	031396-34-6	35
3			5.alpha.-Ergost-8(14)-ene	384	C28H48	006673-69-4	27
4			Pyridine, 4-butyl-, 1-oxide	151	C9H13NO	031396-34-6	25
5			2H-Inden-2-one, 1-bromooctahydro...	230	C10H15BrO	054725-15-4	18



Data Path : G:\GcMsData\2010\GCMS_5\Data\05-12-10\
Data File : 5M57773.D
Acq On : 12 May 2010 12:18
Operator : AHD
Sample : AC51387-005
Misc : S,BNA
ALS Vial : 11 Sample Multiplier: 1

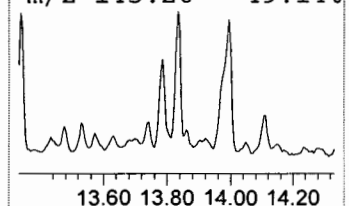
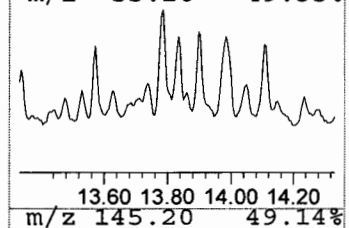
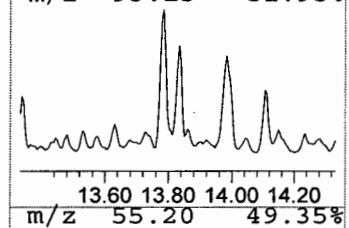
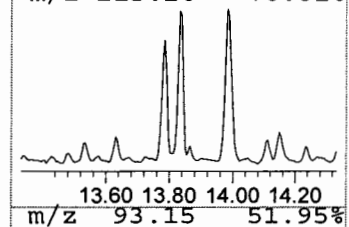
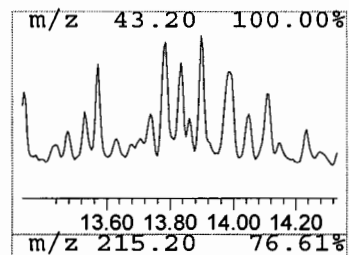
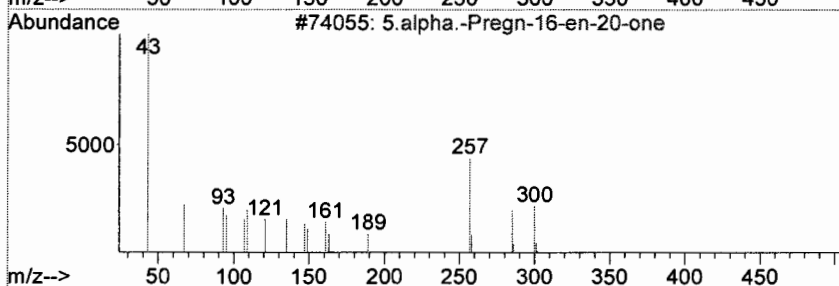
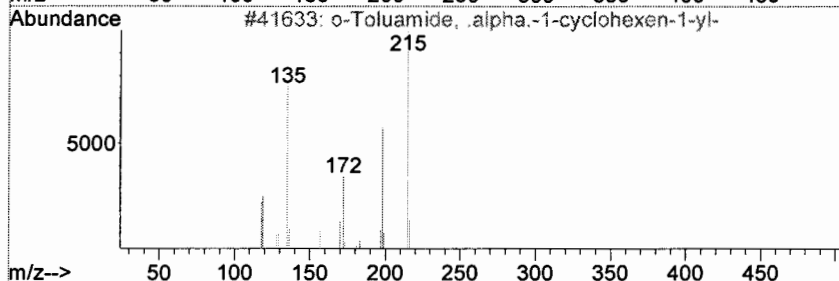
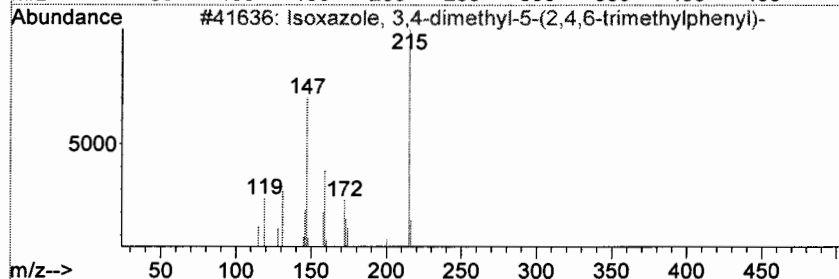
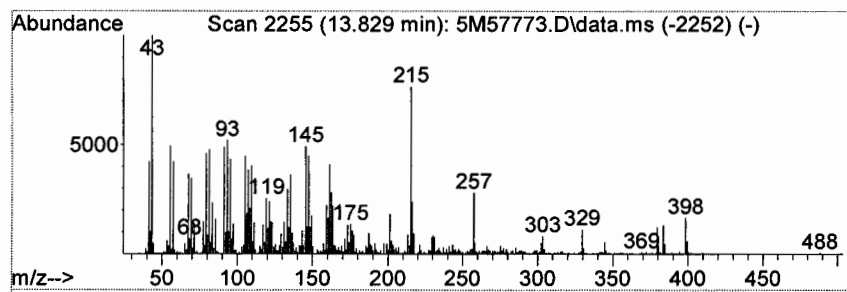
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Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 unknown Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.83	278.00 ng	1815201	LibIS-Phenanthrene-d10	8.80

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Isoxazole, 3,4-dimethyl-5-(2,4,6...	215	C14H17NO	061314-49-6	25
2			o-Toluamide, .alpha.-1-cyclohexe...	215	C14H17NO	023966-64-5	22
3			5.alpha.-Pregn-16-en-20-one	300	C21H32O	003752-04-3	12
4			N-METHYLTHIABENDAZOLE	215	C11H9N3S	032594-70-0	10
5			5.alpha.-Ergost-8(14)-ene	384	C28H48	006673-69-4	10



Data Path : G:\GCMSData\2010\GCMS_5\Data\05-12-10\
Data File : 5M57773.D
Acq On : 12 May 2010 12:18
Operator : AHD
Sample : AC51387-005
Misc : S,BNA
ALS Vial : 11 Sample Multiplier: 1

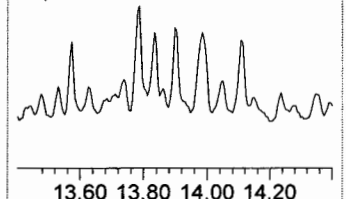
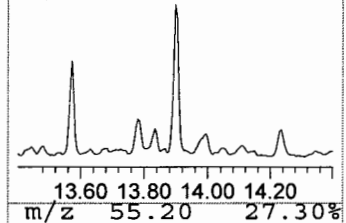
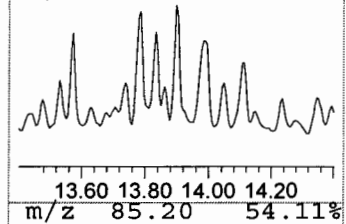
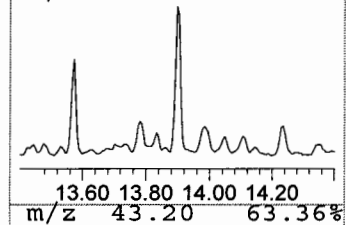
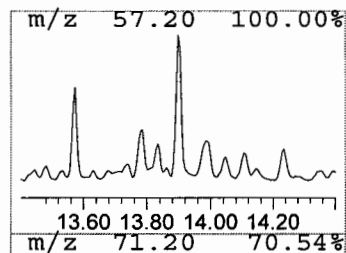
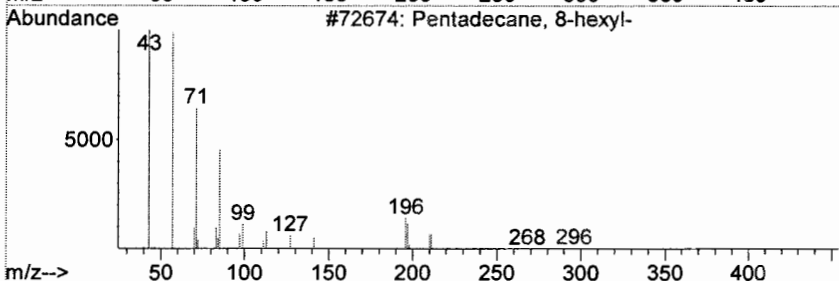
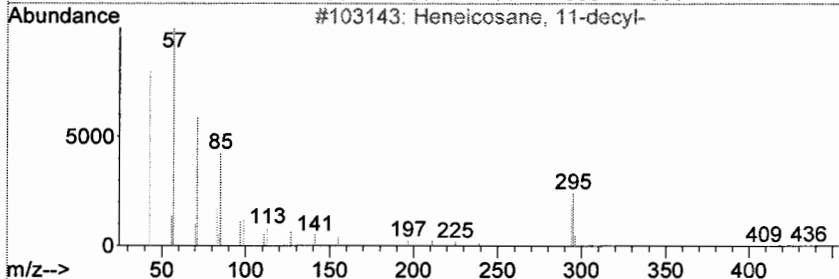
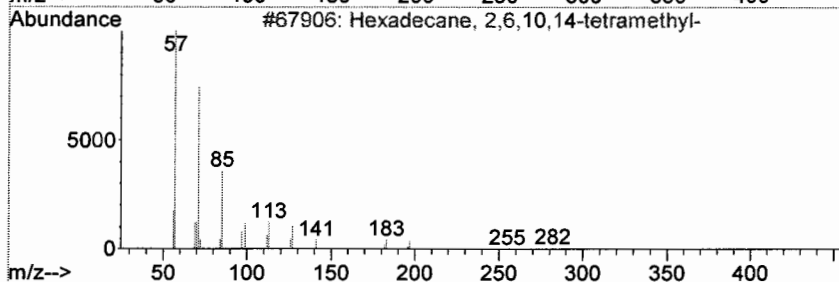
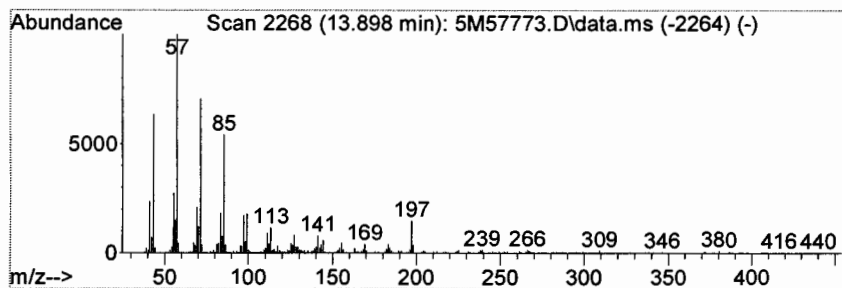
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Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

Peak Number 14 Hexadecane, 2,6,10,14-tetra... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.90	227.77 ng	1487238	LibIS-Phenanthrene-d10	8.80

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	95
2			Heneicosane, 11-decyl-	436	C31H64	055320-06-4	91
3			Pentadecane, 8-hexyl-	296	C21H44	013475-75-7	90
4			Iron, tricarbonyl[N-(phenyl-2-py...	398	C21H14FeN2O3	074764-11-7	87
5			Eicosane, 9-octyl-	394	C28H58	013475-77-9	87



Data Path : G:\GcMsData\2010\GCMS_5\Data\05-12-10\
Data File : 5M57773.D
Acq On : 12 May 2010 12:18
Operator : AHD
Sample : AC51387-005
Misc : S,BNA
ALS Vial : 11 Sample Multiplier: 1

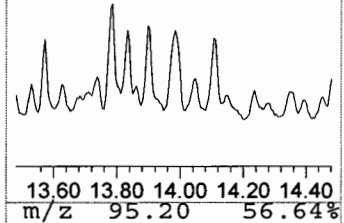
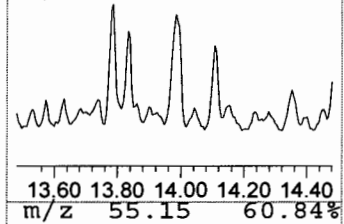
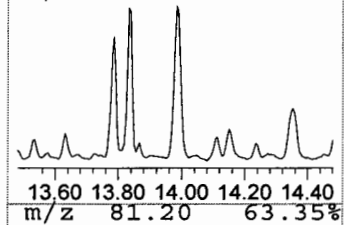
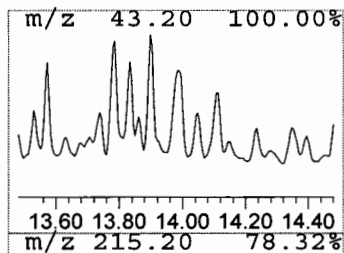
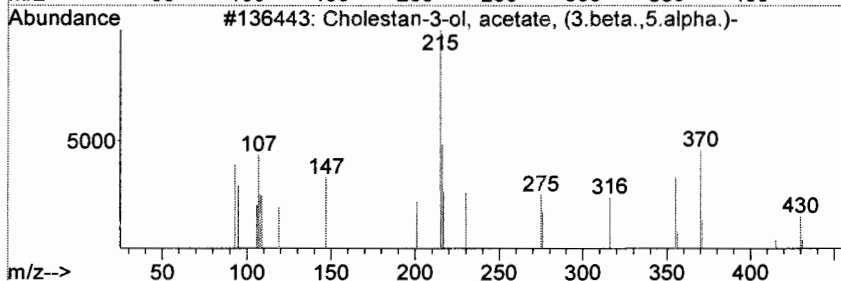
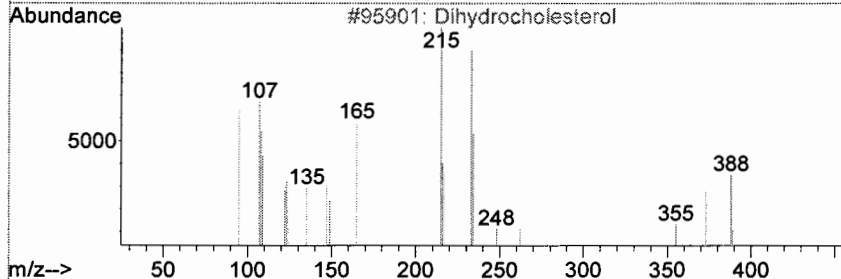
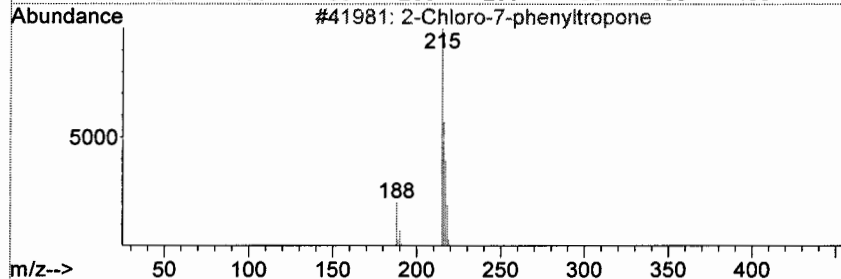
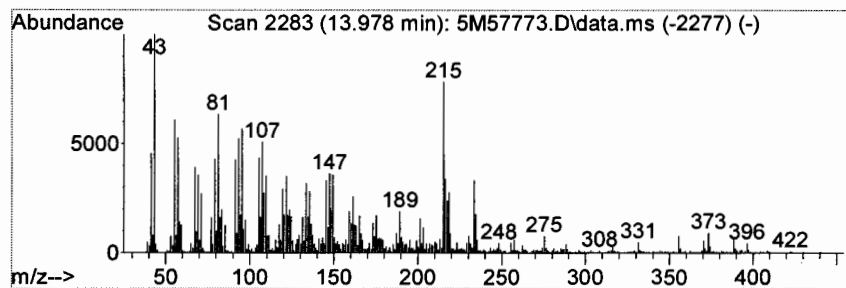
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Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

Peak Number 15 2-Chloro-7-phenyltropone Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.98	402.90 ng	2630766	LibIS-Phenanthrene-d10	8.80

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Chloro-7-phenyltropone	216	C13H9ClO	090128-01-1	50
2			Dihydrocholesterol	388	C27H48O	000080-97-7	42
3			Cholestan-3-ol, acetate, (3.beta...	430	C29H50O2	001255-88-5	40
4			1-(3-Chlorophenyl)-2-(3-pyridazi...	216	C12H9ClN2	083539-78-0	25
5			Isoxazole, 3,4-dimethyl-5-(2,4,6...	215	C14H17NO	061314-49-6	25



Data Path : G:\GcMsData\2010\GCMS_5\Data\05-12-10\
Data File : 5M57773.D
Acq On : 12 May 2010 12:18
Operator : AHD
Sample : AC51387-005
Misc : S,BNA
ALS Vial : 11 Sample Multiplier: 1

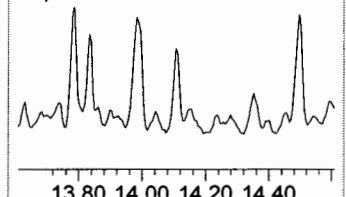
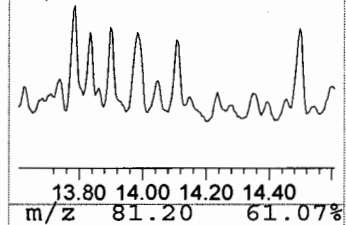
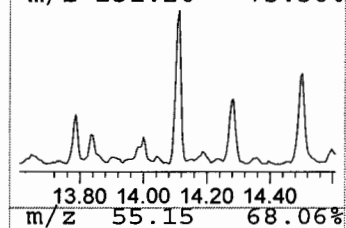
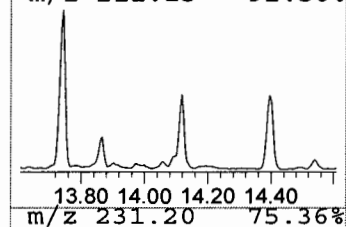
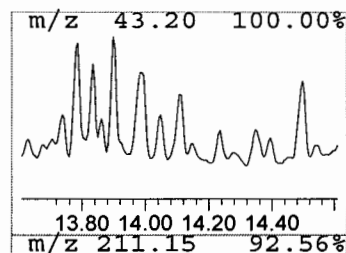
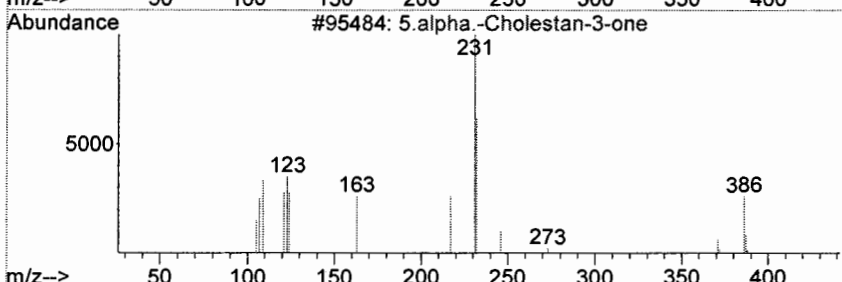
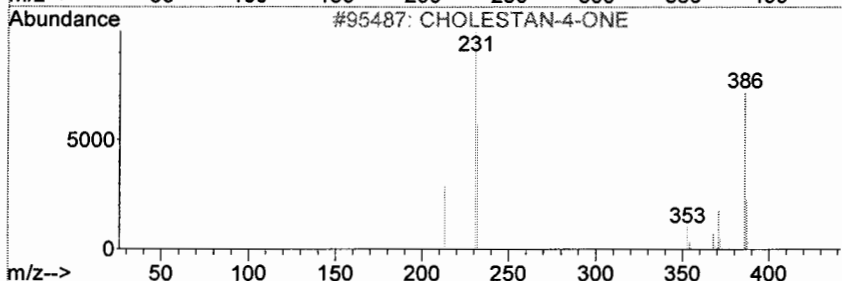
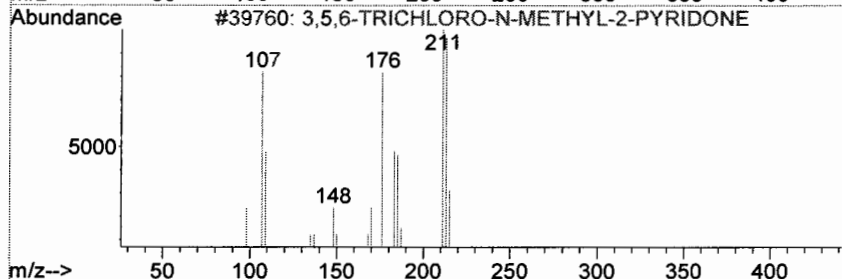
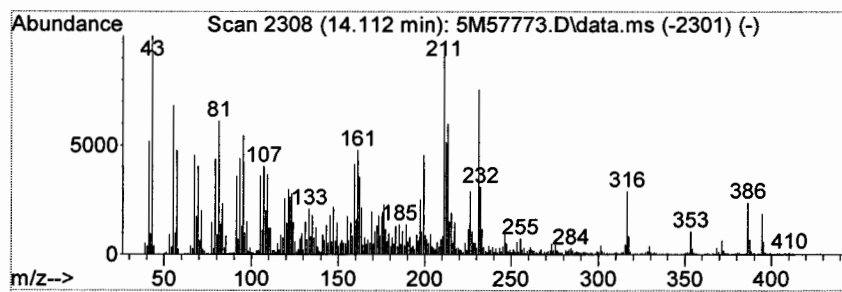
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Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

Peak Number 16 unknown Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.11	243.75 ng	1591622	LibIS-Phenanthrene-d10	8.80

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			3,5,6-TRICHLORO-N-METHYL-2-PYRIDONE	211	C6H4Cl3NO	000000-00-0	25
2			CHOLESTAN-4-ONE	386	C27H46O	000566-51-8	18
3			5.alpha.-Cholestan-3-one	386	C27H46O	000566-88-1	15
4			Phosphinic acid, (2-methylphenyl...	232	C13H13O2P	018593-18-5	14
5			[1,1'-Biphenyl]-2-ol, 5-(1,1-dim...	226	C16H18O	000577-92-4	11



Data Path : G:\GCMSData\2010\GCMS_5\Data\05-12-10\
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Acq On : 12 May 2010 12:18
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Sample : AC51387-005
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ALS Vial : 11 Sample Multiplier: 1

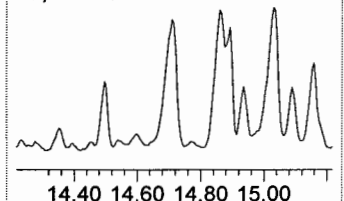
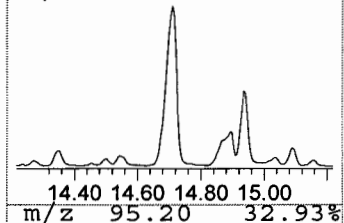
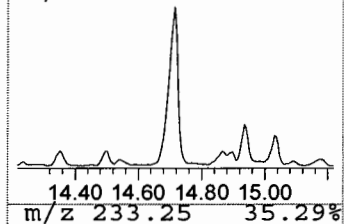
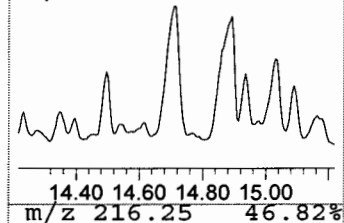
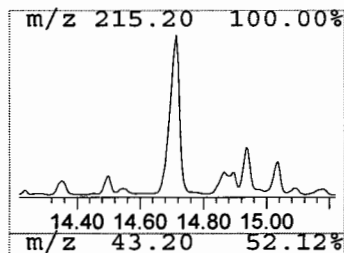
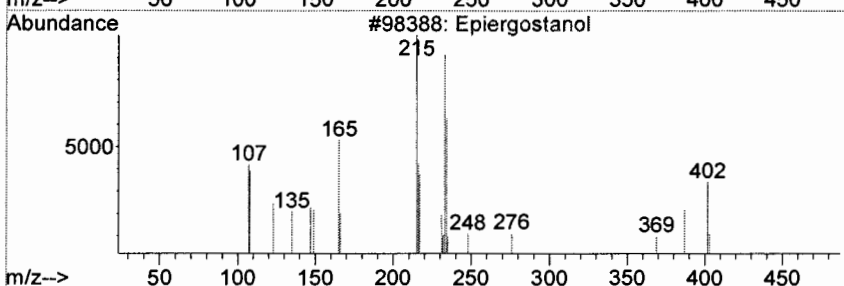
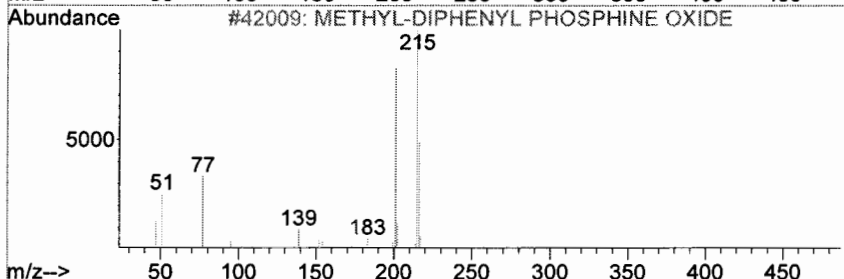
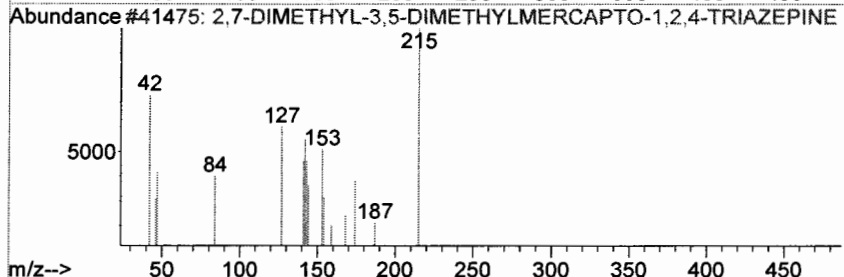
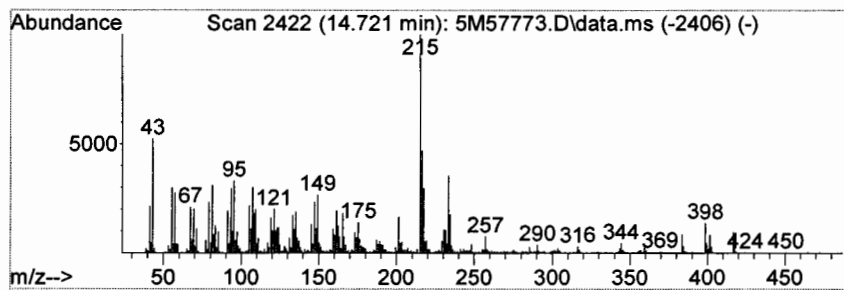
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Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

Peak Number 17 unknown Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.72	1082.60 ng	7068986	LibIS-Phenanthrene-d10	8.80

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	2,7-DIMETHYL-3,5-DIMETHYLMERCAPT...	215	C8H13N3S2	066425-11-4	38	
2	METHYL-DIPHENYL PHOSPHINE OXIDE	216	C13H13OP	002129-89-7	38	
3	Epiergostanol	402	C28H50O	006538-02-9	27	
4	Cholestane, 3-ethoxy-, (3.beta.,...	416	C29H52O	002089-02-3	25	
5	NEOPENTYL-DIPHENYL PHOSPHINE OXIDE	272	C17H21OP	003740-04-3	17	



Data Path : G:\GcMsData\2010\GCMS_5\Data\05-12-10\
Data File : 5M57773.D
Acq On : 12 May 2010 12:18
Operator : AHD
Sample : AC51387-005
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ALS Vial : 11 Sample Multiplier: 1

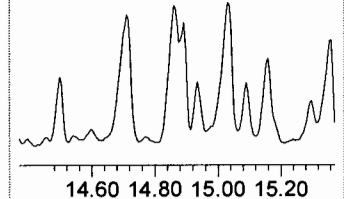
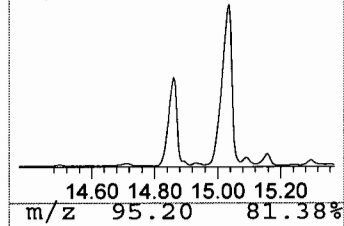
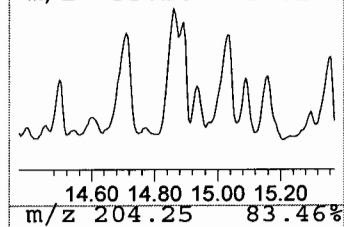
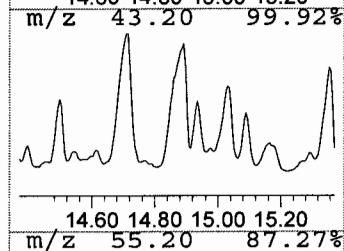
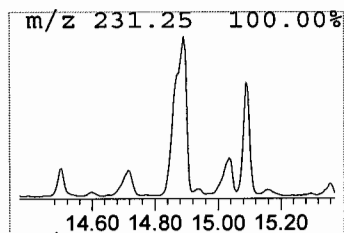
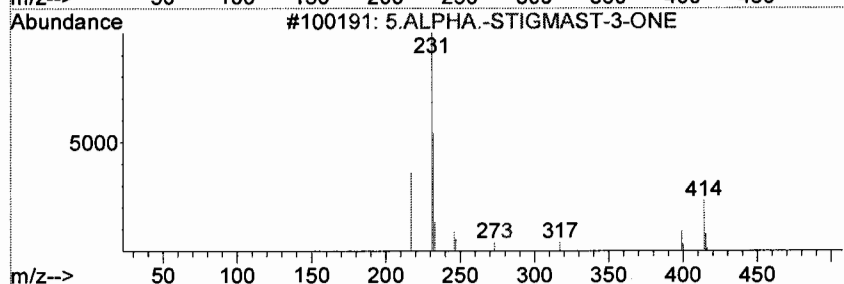
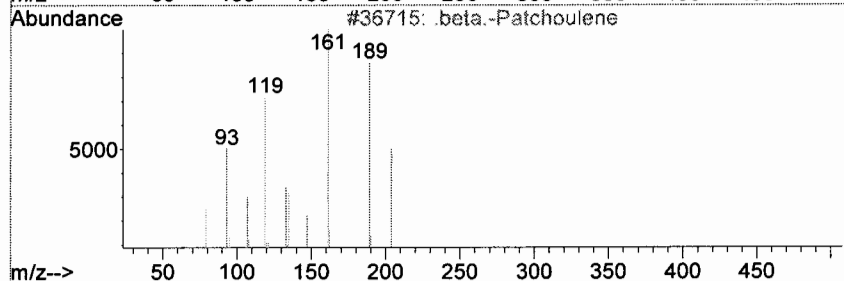
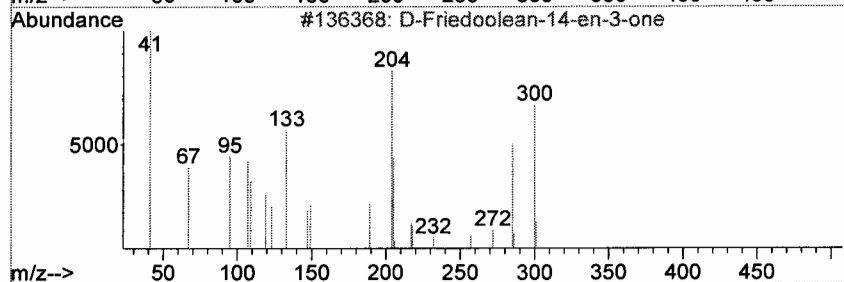
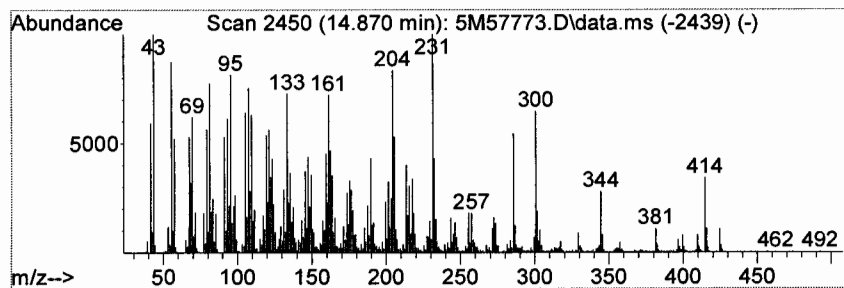
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Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

Peak Number 18 D-Friedoolean-14-en-3-one Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.87	1237.74 ng	8081986	LibIS-Phenanthrene-d10	8.80

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			D-Friedoolean-14-en-3-one	424	C30H48O	000514-07-8	76
2			.beta.-Patchoulene	204	C15H24	000514-51-2	50
3			5.ALPHA.-STIGMAST-3-ONE	414	C29H50O	000083-46-5	49
4			(+)-.BETA.-GUAIENE	204	C15H24	000088-84-6	47
5			(+)-Aromadendrene	204	C15H24	000489-39-4	46



Data Path : G:\GcMsData\2010\GCMS_5\Data\05-12-10\
Data File : 5M57773.D
Acq On : 12 May 2010 12:18
Operator : AHD
Sample : AC51387-005
Misc : S,BNA
ALS Vial : 11 Sample Multiplier: 1

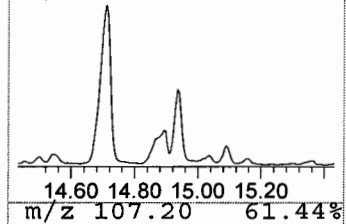
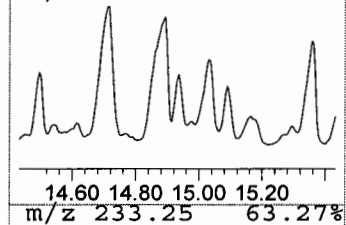
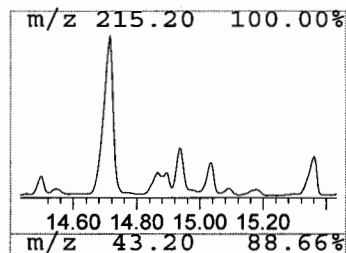
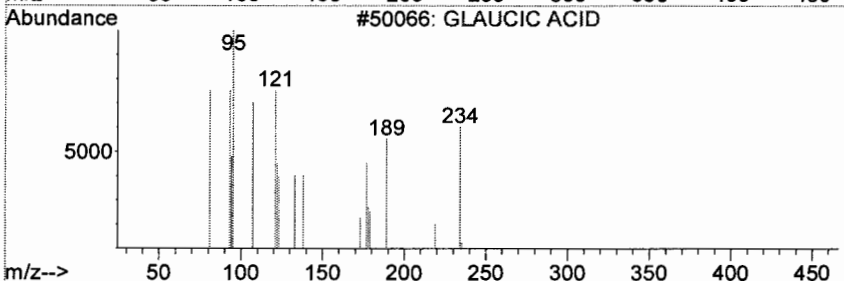
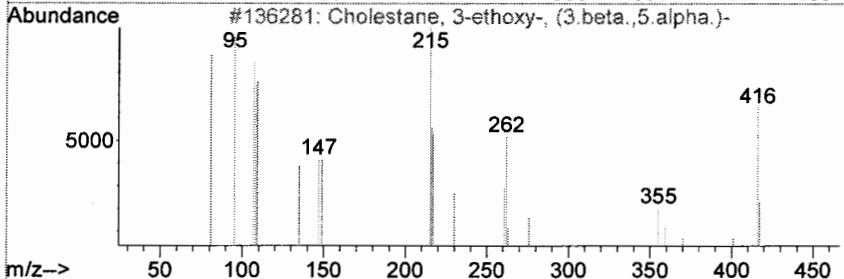
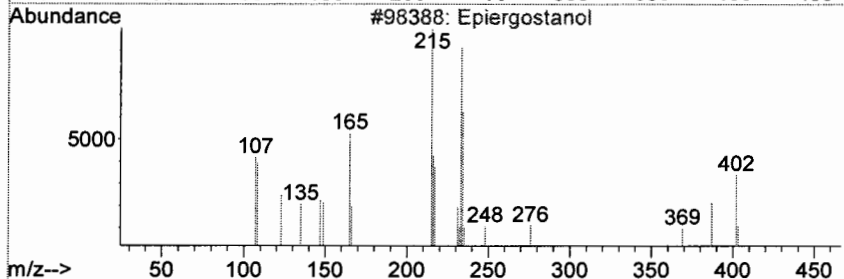
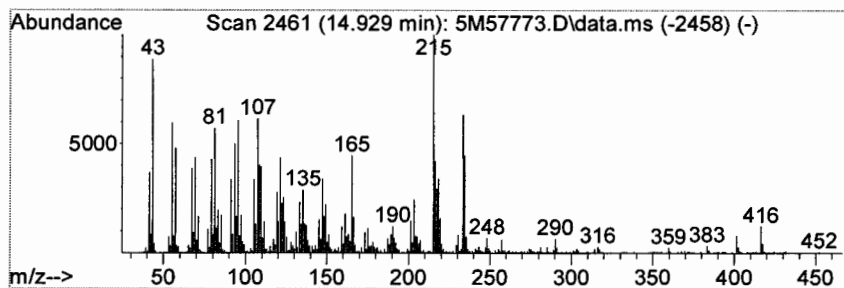
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Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

Peak Number 19 Epiergostanol Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.93	223.16 ng	1457150	LibIS-Phenanthrene-d10	8.80

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Epiergostanol	402	C28H50O	006538-02-9	81
2			Cholestane, 3-ethoxy-, (3.beta.,...	416	C29H52O	002089-02-3	47
3			GLAUCIC ACID	234	C15H22O2	087745-30-0	35
4			2-Chloro-7-phenyltropone	216	C13H9ClO	090128-01-1	25
5			10-METHYLPYRAZINO[2,3-B][1,4]BEN...	215	C11H9N3S	064329-54-0	12



Data Path : G:\GcMsData\2010\GCMS_5\Data\05-12-10\
Data File : 5M57773.D
Acq On : 12 May 2010 12:18
Operator : AHD
Sample : AC51387-005
Misc : S,BNA
ALS Vial : 11 Sample Multiplier: 1

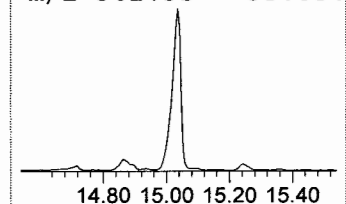
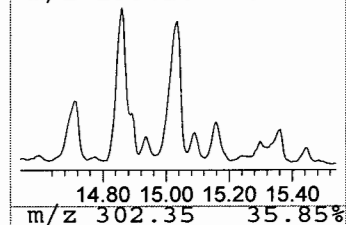
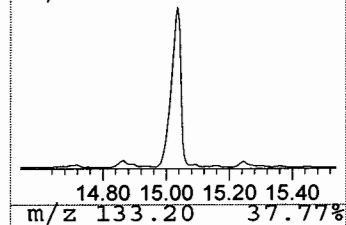
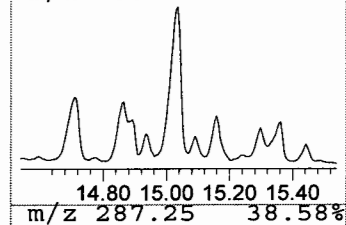
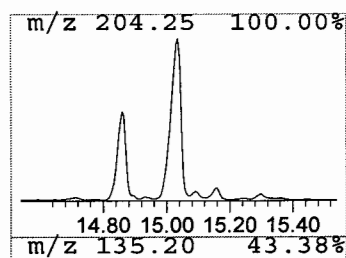
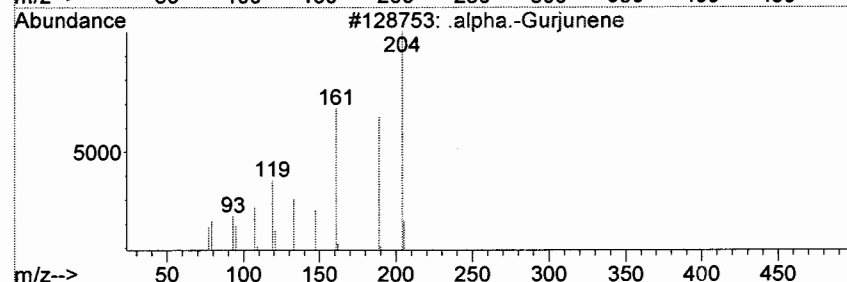
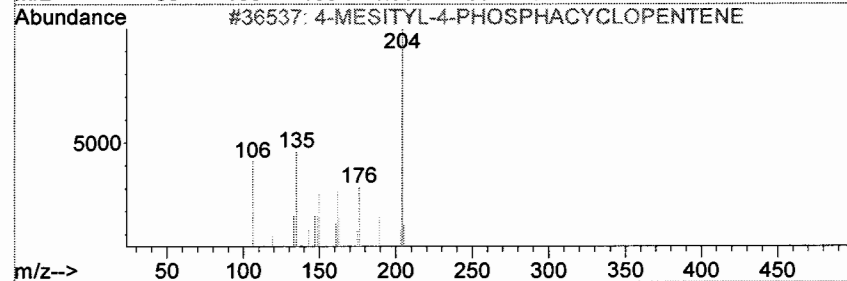
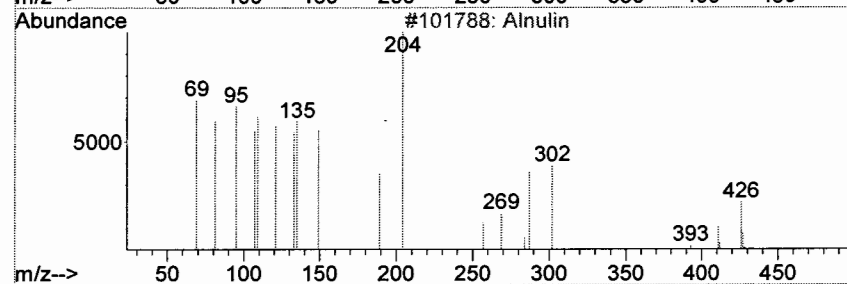
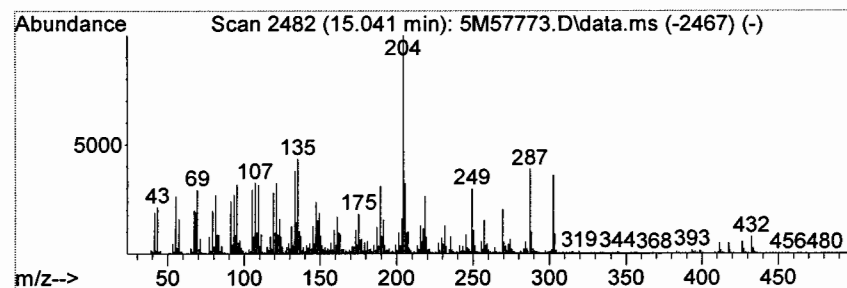
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Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

Peak Number 20 Alnulin Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.04	1302.11 ng	8502284	LibIS-Phenanthrene-d10	8.80

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Alnulin	426	C30H50O	000127-22-0	59
2			4-MESITYL-4-PHOSPHACYCLOPENTENE	204	C13H17P	000000-00-0	43
3			.alpha.-Gurjunene	204	C15H24	000489-40-7	38
4			.alpha.-Gurjunene	204	C15H24	000489-40-7	38
5			(+,-)-.beta.-Himachalene	204	C15H24	017928-54-0	32



Data Path : G:\GcMsData\2010\GCMS_5\Data\05-12-10\
Data File : 5M57773.D
Acq On : 12 May 2010 12:18
Operator : AHD
Sample : AC51387-005
Misc : S,BNA
ALS Vial : 11 Sample Multiplier: 1

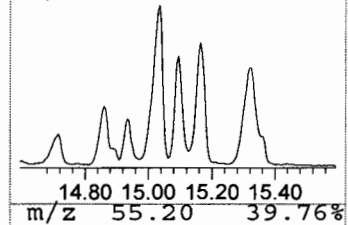
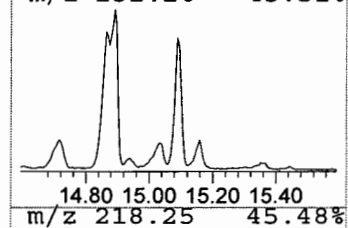
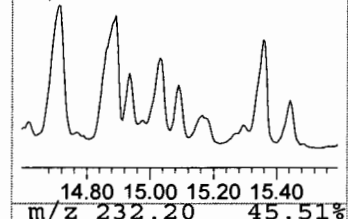
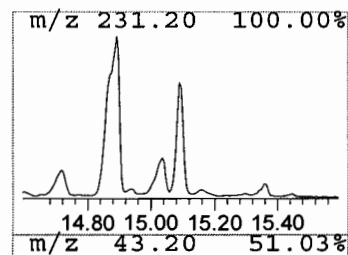
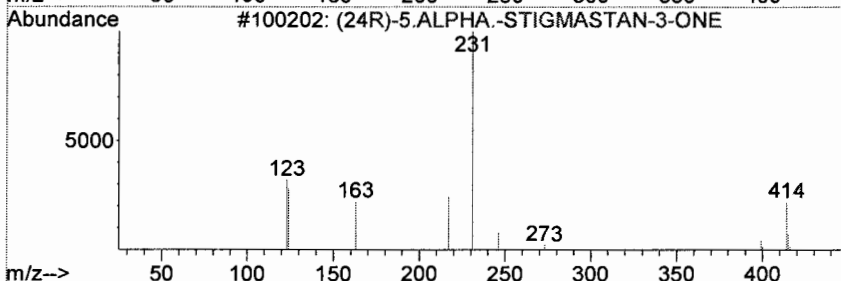
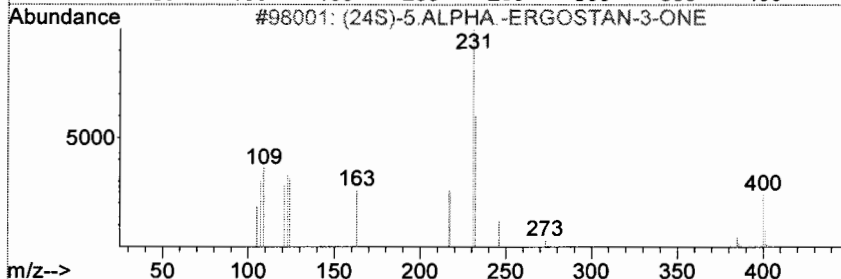
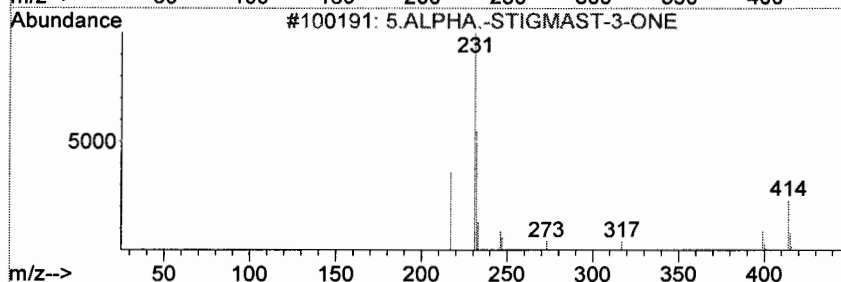
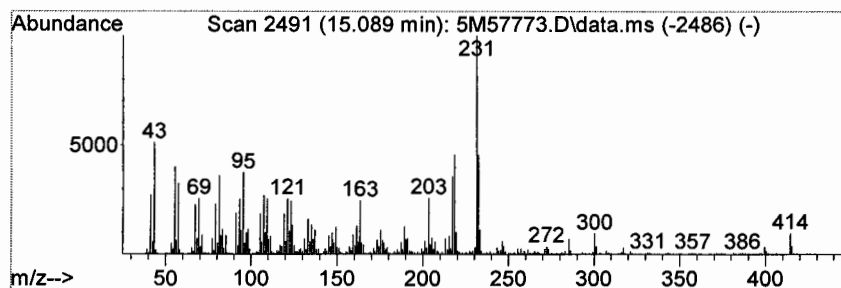
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Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

Peak Number 21 5.ALPHA.-STIGMAST-3-ONE Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.09	287.30 ng	1875952	LibIS-Phenanthrene-d10	8.80

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			5.ALPHA.-STIGMAST-3-ONE	414	C29H50O	000083-46-5	95
2			(24S)-5.ALPHA.-ERGOSTAN-3-ONE	400	C28H48O	059461-38-0	58
3			(24R)-5.ALPHA.-STIGMASTAN-3-ONE	414	C29H50O	005060-25-3	45
4			4-NITROPHENYL-2-PYRIDYL SULPHIDE	232	C11H8N2O2S	073322-01-7	38
5			Benzene, 1,2,4,5-tetrakis(1-meth...	246	C18H30	000635-11-0	27



Data Path : G:\GCMSData\2010\GCMS_5\Data\05-12-10\
Data File : 5M57773.D
Acq On : 12 May 2010 12:18
Operator : AHD
Sample : AC51387-005
Misc : S,BNA
ALS Vial : 11 Sample Multiplier: 1

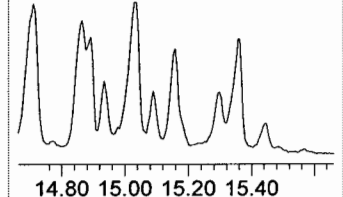
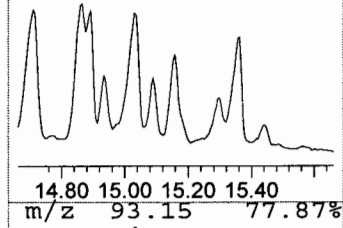
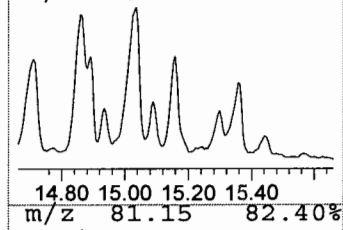
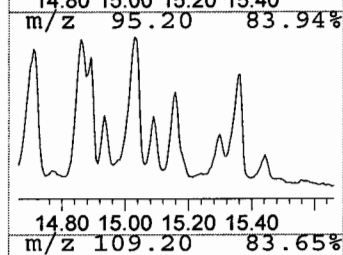
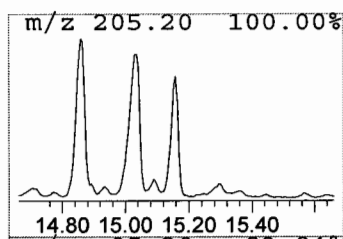
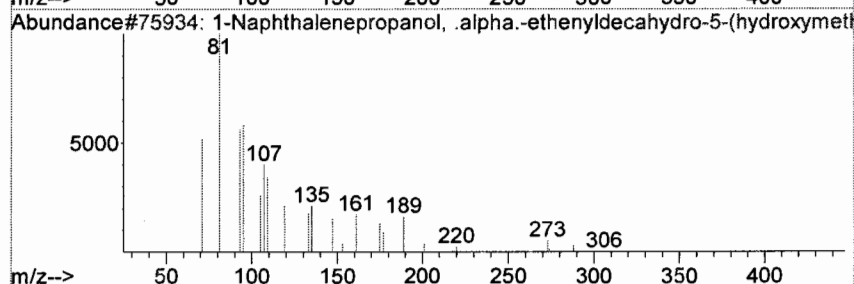
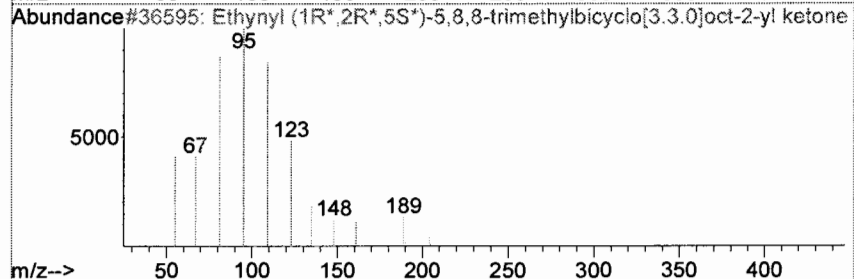
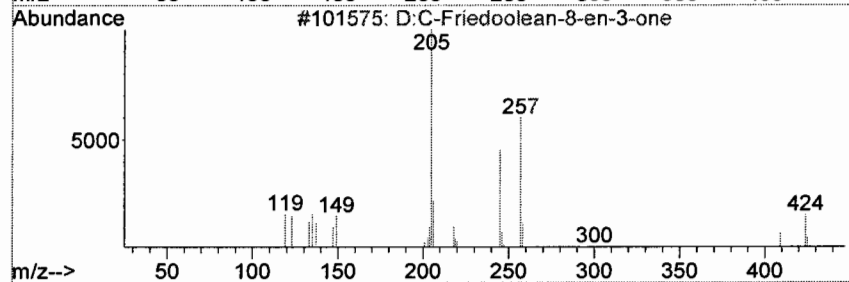
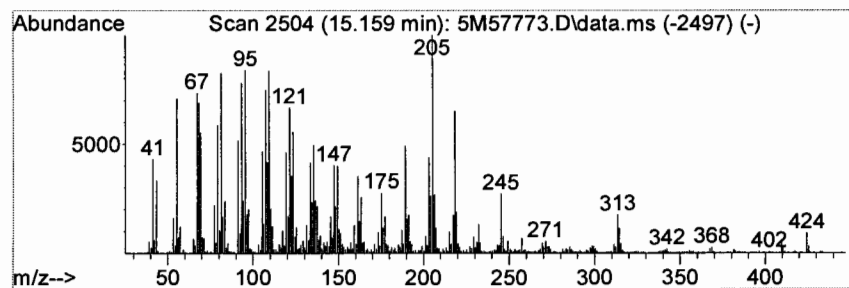
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Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

Peak Number 22 D:C-Friedoolean-8-en-3-one Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.16	480.89 ng	3140037	LibIS-Phenanthrene-d10	8.80

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			D:C-Friedoolean-8-en-3-one	424	C30H48O	022611-26-3	64
2			Ethynyl (1R*,2R*,5S*)-5,8,8-trim...	204	C14H20O	085544-99-6	49
3			1-Naphthalenepropanol, .alpha.-e...	306	C20H34O2	004549-12-6	41
4			6,10-DIMETHYL-3-(1-METHYLETHYLID...	206	C15H26	069239-71-0	40
5			.delta.-Guaiene	204	C15H24	003691-11-0	35



Data Path : G:\GcMsData\2010\GCMS_5\Data\05-12-10\
Data File : 5M57773.D
Acq On : 12 May 2010 12:18
Operator : AHD
Sample : AC51387-005
Misc : S,BNA
ALS Vial : 11 Sample Multiplier: 1

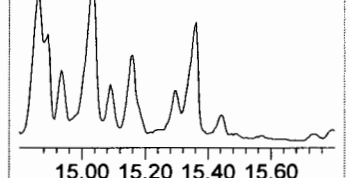
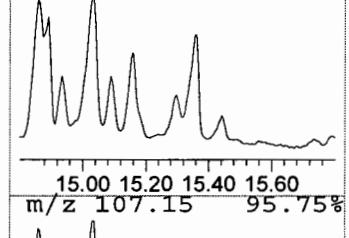
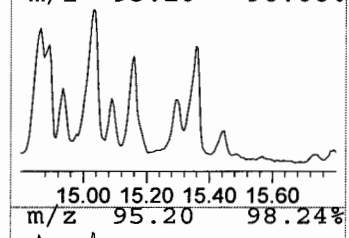
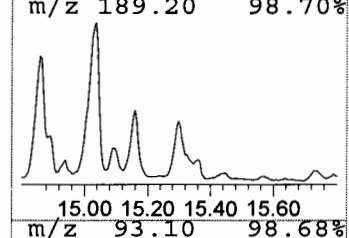
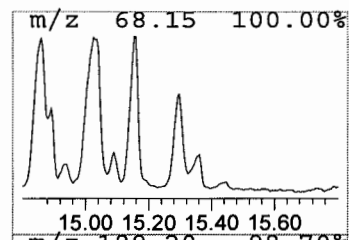
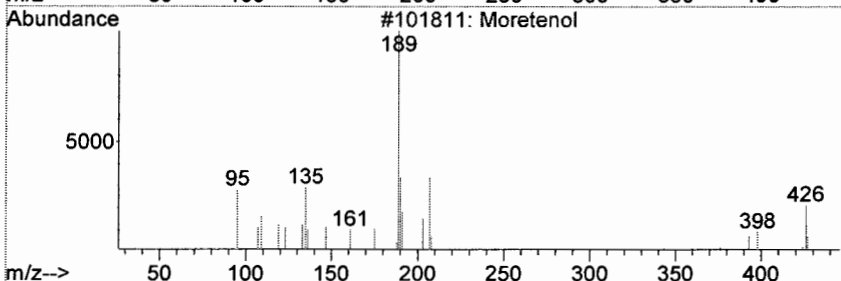
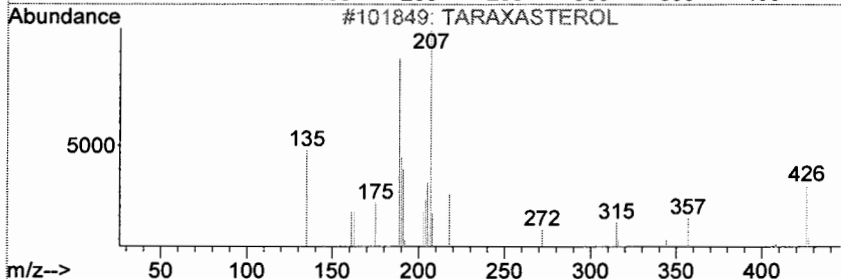
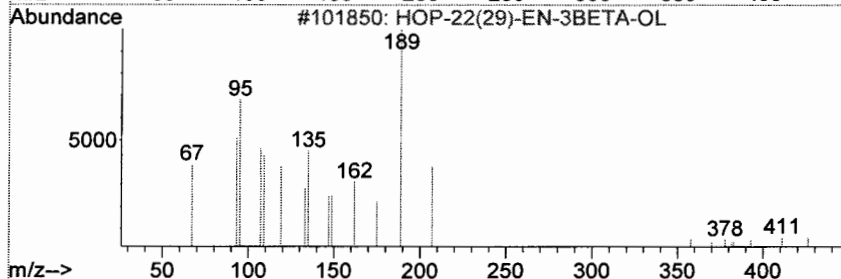
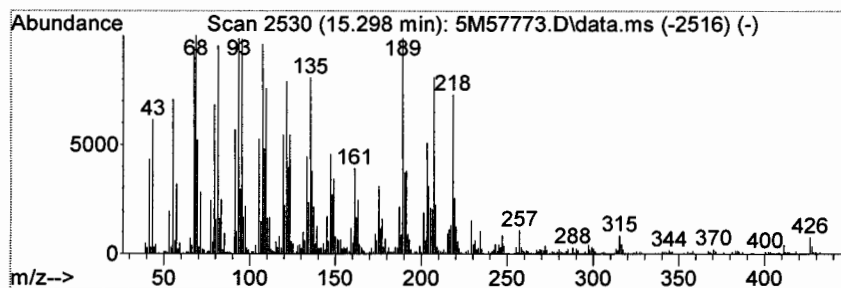
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Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

Peak Number 23 HOP-22(29)-EN-3BETA-OL Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.30	254.71 ng	1663182	LibIS-Phenanthrene-d10	8.80

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			HOP-22(29)-EN-3BETA-OL	426	C30H50O	058801-23-3	64
2			TARAXASTEROL	426	C30H50O	001059-14-9	59
3			Moretenol	426	C30H50O	001678-31-5	43
4			2-((Z)-3'-Methyl-1',3'-butadien-...	220	C14H20O2	088354-60-3	43
5			Ethynyl (1R*,2R*,5S*)-5,8,8-trim...	204	C14H20O	085544-99-6	42



Data Path : G:\GCMSData\2010\GCMS_5\Data\05-12-10\
Data File : 5M57773.D
Acq On : 12 May 2010 12:18
Operator : AHD
Sample : AC51387-005
Misc : S,BNA
ALS Vial : 11 Sample Multiplier: 1

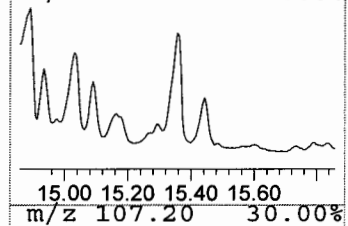
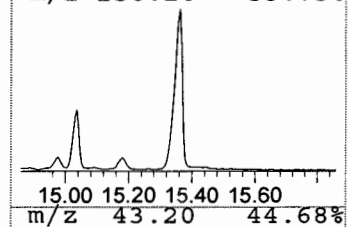
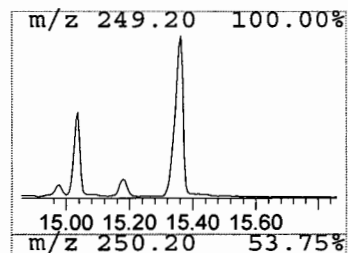
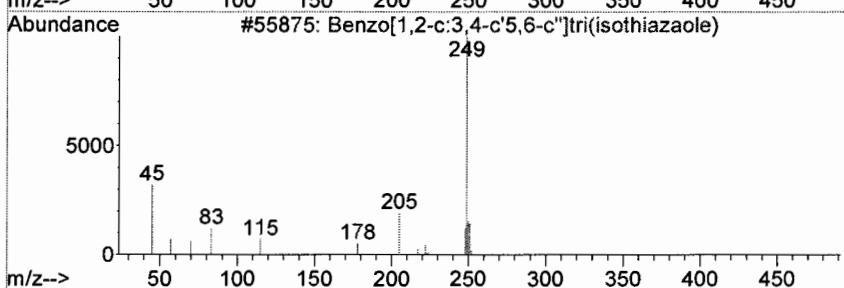
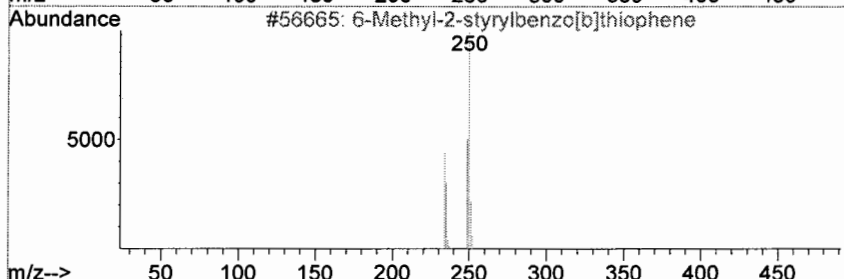
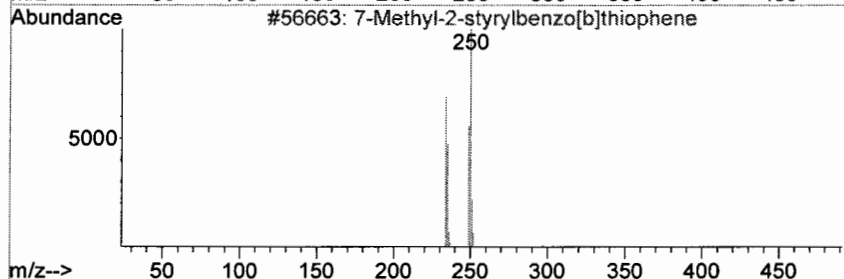
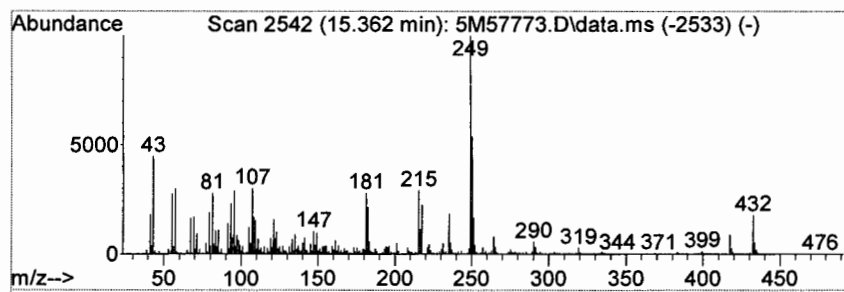
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Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

Peak Number 24 unknown Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.36	704.08 ng	4597385	LibIS-Phenanthrene-d10	8.80

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			7-Methyl-2-styrylbenzo[b]thiophene	250	C17H14S	084258-71-9	38
2			6-Methyl-2-styrylbenzo[b]thiophene	250	C17H14S	084258-77-5	38
3			Benzo[1,2-c:3,4-c'5,6-c'']tri(is...	249	C9H3N3S3	074960-12-6	35
4			Phenothiazin-2-ol, 8-chloro-	249	C12H8ClNOS	005909-61-5	32
5			2,4,6(1H,3H,5H)-Pyrimidinetrione...	264	C14H20N2O3	055044-42-3	27



Data Path : G:\GcMsData\2010\GCMS_5\Data\05-12-10\
Data File : 5M57773.D
Acq On : 12 May 2010 12:18
Operator : AHD
Sample : AC51387-005
Misc : S,BNA
ALS Vial : 11 Sample Multiplier: 1

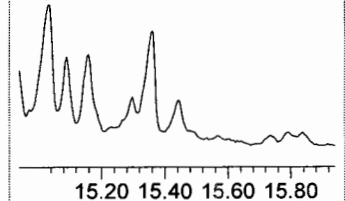
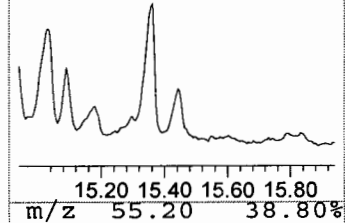
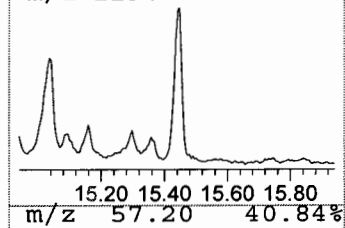
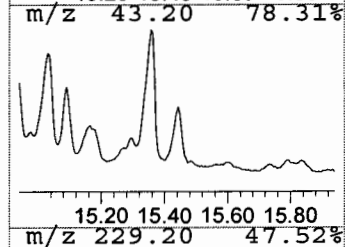
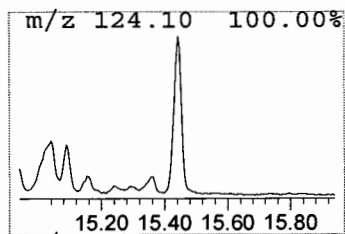
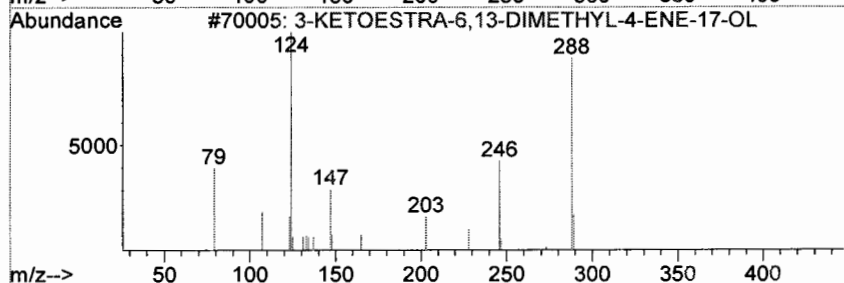
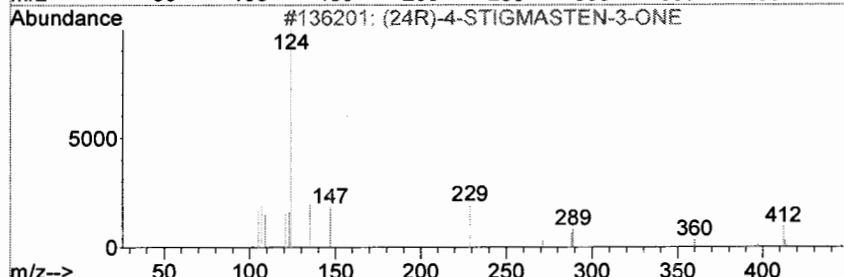
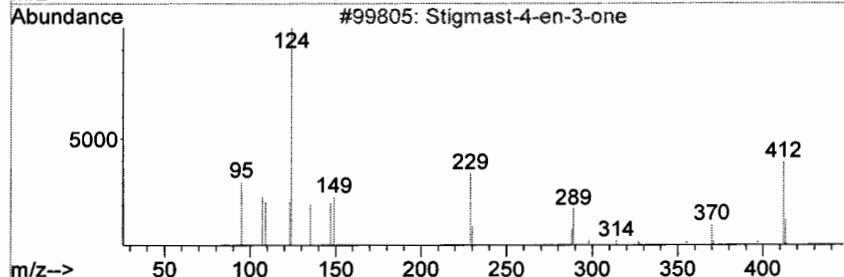
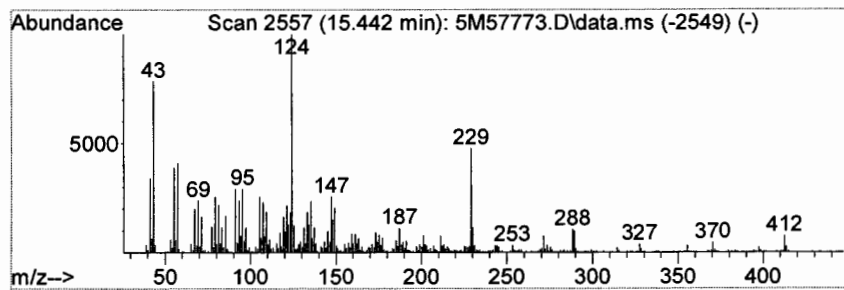
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TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

Peak Number 25 Stigmast-4-en-3-one Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.44	249.00 ng	1625849	LibIS-Phenanthrene-d10	8.80

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Stigmast-4-en-3-one	412	C29H48O	001058-61-3	98
2			(24R)-4-STIGMASTEN-3-ONE	412	C29H48O	001058-61-3	70
3			3-KETOESTRA-6,13-DIMETHYL-4-ENE-...	288	C19H28O2	000000-00-0	55
4			(24R)-4-ERGOSTEN-3-ONE	398	C28H46O	022260-46-4	42
5			10.alpha.-Testosterone	288	C19H28O2	000604-39-7	41



Data Path : G:\GcMsData\2010\GCMS_5\Data\05-12-10\
 Data File : 5M57773.D
 Acq On : 12 May 2010 12:18
 Operator : AHD
 Sample : AC51387-005
 Misc : S,BNA
 ALS Vial : 11 Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0430.M
 Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	-----Internal Standard-----				
					#	ExpRT	ActRt	Resp	Conc
2-Pentanone, 4-hy...	3.52	6428.5	ng	33350259	1	5.06	5.06	207514	40.0
Hexadecanoic acid	9.51	328.0	ng	2141724	3	8.80	8.80	261185	40.0
unknown	9.84	262.8	ng	1715914	3	8.80	8.80	261185	40.0
Docosane	11.35	201.7	ng	1317231	3	8.80	8.80	261185	40.0
Eicosane	11.75	250.2	ng	1633812	3	8.80	8.80	261185	40.0
Nonadecane	12.51	287.0	ng	1874236	3	8.80	8.80	261185	40.0
unknown	13.12	420.7	ng	2747176	3	8.80	8.80	261185	40.0
unknown	13.17	293.1	ng	1913571	3	8.80	8.80	261185	40.0
Pentacosane	13.24	312.0	ng	2037486	3	8.80	8.80	261185	40.0
Cholest-5-ene, 3-...	13.34	230.0	ng	1501574	3	8.80	8.80	261185	40.0
unknown	13.74	223.8	ng	1461405	3	8.80	8.80	261185	40.0
unknown	13.79	416.9	ng	2721888	3	8.80	8.80	261185	40.0
unknown	13.83	278.0	ng	1815201	3	8.80	8.80	261185	40.0
Hexadecane, 2,6,1...	13.90	227.8	ng	1487238	3	8.80	8.80	261185	40.0
2-Chloro-7-phenyl...	13.98	402.9	ng	2630766	3	8.80	8.80	261185	40.0
unknown	14.11	243.8	ng	1591622	3	8.80	8.80	261185	40.0
unknown	14.72	1082.6	ng	7068986	3	8.80	8.80	261185	40.0
D-Friedoolean-14-...	14.87	1237.7	ng	8081986	3	8.80	8.80	261185	40.0
Epiergostanol	14.93	223.2	ng	1457150	3	8.80	8.80	261185	40.0
Alnulin	15.04	1302.1	ng	8502284	3	8.80	8.80	261185	40.0
5.ALPHA.-STIGMAST...	15.09	287.3	ng	1875952	3	8.80	8.80	261185	40.0
D:C-Friedoolean-8...	15.16	480.9	ng	3140037	3	8.80	8.80	261185	40.0
HOP-22(29)-EN-3BE...	15.30	254.7	ng	1663182	3	8.80	8.80	261185	40.0
unknown	15.36	704.1	ng	4597385	3	8.80	8.80	261185	40.0
Stigmast-4-en-3-one	15.44	249.0	ng	1625849	3	8.80	8.80	261185	40.0

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AC51387-006(20X)

Client Id: PI-01-TP-RAU5DUP42910

Data File: 5M57798.D

Analysis Date: 05/13/10 00:24

Date Rec/Extracted: 05/03/10-05/11/10

Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270C

Matrix: Soil

Initial Vol: 30g

Final Vol: 1.5ml

Dilution: 20

Solids: 84

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
120-82-1	1,2,4-Trichlorobenzene	2.4	U	191-24-2	Benzo[g,h,i]perylene	2.4	3.3
122-66-7	1,2-Diphenylhydrazine	2.4	U	207-08-9	Benzo[k]fluoranthene	2.4	U
95-95-4	2,4,5-Trichlorophenol	2.4	U	65-85-0	Benzoic Acid	12	U
88-06-2	2,4,6-Trichlorophenol	2.4	U	111-91-1	bis(2-Chloroethoxy)methan	2.4	U
120-83-2	2,4-Dichlorophenol	2.4	U	111-44-4	bis(2-Chloroethyl)ether	2.4	U
105-67-9	2,4-Dimethylphenol	2.4	U	108-60-1	bis(2-chloroisopropyl)ether	2.4	U
51-28-5	2,4-Dinitrophenol	12	U	117-81-7	bis(2-Ethylhexyl)phthalate	2.4	U
121-14-2	2,4-Dinitrotoluene	2.4	U	85-68-7	Butylbenzylphthalate	2.4	U
606-20-2	2,6-Dinitrotoluene	2.4	U	86-74-8	Carbazole	2.4	U
91-58-7	2-Chloronaphthalene	2.4	U	218-01-9	Chrysene	2.4	13
95-57-8	2-Chlorophenol	2.4	U	53-70-3	Dibenzo[a,h]anthracene	2.4	U
91-57-6	2-Methylnaphthalene	2.4	24	132-64-9	Dibenzofuran	2.4	U
95-48-7	2-Methylphenol	2.4	U	84-66-2	Diethylphthalate	2.4	U
88-74-4	2-Nitroaniline	2.4	U	131-11-3	Dimethylphthalate	2.4	U
88-75-5	2-Nitrophenol	2.4	U	84-74-2	Di-n-butylphthalate	2.4	U
106-44-5	3&4-Methylphenol	2.4	U	117-84-0	Di-n-octylphthalate	2.4	U
91-94-1	3,3'-Dichlorobenzidine	2.4	U	206-44-0	Fluoranthene	2.4	7.3
99-09-2	3-Nitroaniline	2.4	U	86-73-7	Fluorene	2.4	6.9
534-52-1	4,6-Dinitro-2-methylphenol	12	U	118-74-1	Hexachlorobenzene	2.4	U
101-55-3	4-Bromophenyl-phenylether	2.4	U	87-68-3	Hexachlorobutadiene	2.4	U
59-50-7	4-Chloro-3-methylphenol	2.4	U	77-47-4	Hexachlorocyclopentadiene	12	U
106-47-8	4-Chloroaniline	2.4	U	67-72-1	Hexachloroethane	2.4	U
7005-72-3	4-Chlorophenyl-phenylether	2.4	U	193-39-5	Indeno[1,2,3-cd]pyrene	2.4	U
100-01-6	4-Nitroaniline	2.4	U	78-59-1	Isophorone	2.4	U
100-02-7	4-Nitrophenol	2.4	U	91-20-3	Naphthalene	2.4	3.8
83-32-9	Acenaphthene	2.4	6.6	98-95-3	Nitrobenzene	2.4	U
208-96-8	Acenaphthylene	2.4	U	62-75-9	N-Nitrosodimethylamine	2.4	U
62-53-3	Aniline	2.4	U	621-64-7	N-Nitroso-di-n-propylamine	2.4	U
120-12-7	Anthracene	2.4	9.4	86-30-6	n-Nitrosodiphenylamine	2.4	U
92-87-5	Benzidine	12	U	87-86-5	Pentachlorophenol	12	U
56-55-3	Benzo[a]anthracene	2.4	8.9	85-01-8	Phenanthrene	2.4	40
50-32-8	Benzo[a]pyrene	2.4	5.2	108-95-2	Phenol	2.4	U
205-99-2	Benzo[b]fluoranthene	2.4	2.8	129-00-0	Pyrene	2.4	35

Worksheet #: 151474

Total Target Concentration 170

ColumnID: (^) Indicates results from 2nd column

*U - Indicates the compound was analyzed but not detected.**B - Indicates the analyte was found in the blank as well as in the sample.**E - Indicates the analyte concentration exceeds the calibration range of the instrument.**R - Retention Time Out**J - Indicates an estimated value when a compound is detected at less than the specified detection limit.**d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.*

Form1e**ORGANICS SEMIVOLATILE REPORT
Tentatively Identified Compounds**

Sample Number: AC51387-006(20X)	Matrix: Soil
Client Id: PI-01-TP-RAU5DUP429	Initial Vol: 30g
Data File: 5M57798.D	Final Vol: 1.5ml
Analysis Date: 05/13/10 00:24	Dilution: 20
Date Rec/Extracted: 05/03/10-05/11/10	Solids: 84
	Method: EPA 8270C

Units: mg/Kg

	Cas #	Compound	RT	Conc	
1	123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.24	250 JA B	16.5.13.10
2	90-12-0	Naphthalene, 1-methyl-	6.68	46 J	
3	1127-76-0	Naphthalene, 1-ethyl-	7.02	29 J	
4	571-61-9	Naphthalene, 1,5-dimethyl-	7.07	51 J	
5	571-61-9	Naphthalene, 1,5-dimethyl-	7.13	61 J	
6	571-61-9	Naphthalene, 1,5-dimethyl-	7.15	32 J	
7	2027-17-0	Naphthalene, 2-(1-methylethyl)-	7.49	42 J	
8	2131-42-2	Naphthalene, 1,4,6-trimethyl-	7.57	36 J	
9	2131-41-1	Naphthalene, 1,4,5-trimethyl-	7.74	29 J	
10	30995-64-3	METHYLDIBENZOTHIOPHENE	9.11	31 J	
11	883-20-5	Phenanthrene, 9-methyl-	9.30	49 J	
12	613-12-7	Anthracene, 2-methyl-	9.33	55 J	
13	57768-52-2	(+)-3,3-Dimethyltricyclo[5.4.0.0(2,9)]u	9.41	42 J	
14	613-12-7	Anthracene, 2-methyl-	9.44	32 J	
15	3674-65-5	Phenanthrene, 2,3-dimethyl-	9.79	41 J	
16	1576-69-8	Phenanthrene, 2,7-dimethyl-	9.83	38 J	
17	3674-65-5	Phenanthrene, 2,3-dimethyl-	9.91	87 J	
18	1576-69-8	Phenanthrene, 2,7-dimethyl-	9.94	36 J	
19	15096-10-3	Benzene, 1,1'-[(methylthio)ethenylidene]	10.15	29 J	
20	3674-73-5	Phenanthrene, 2,3,5-trimethyl-	10.43	46 J	

Worksheet #: 151474

Total Tentatively Identified Concentration 1100*A - Indicates an aldol condensate.**J - Indicates an estimated value.**B - Indicates the analyte was found in the blank as well as in the sample.**Y - Indicates the analyte was found in the blank at <10% of the concentration of the sample.**<10% - Indicates the analyte was found in the blank at < 10% of nearest Internal Standard*

Quantitation Report (QT/LSC Reviewed)

SampleID : AC51387-006(20X) Operator : AHD Qt Meth : 5M 0430.M
 Data File: 5M57798.D Sam Mult : 1 Vial# : 30 Qt On : 05/13/10 06:43
 Acq On : 05/13/10 00:24 Misc : S,BNA:30 Qt Upd On: 05/10/10 10:23

Data Path : G:\GcMsData\2010\GCMS_5\Data\05-1210\
 Qt Path : G:\GCMSDATA\2010\GCMS_5\METHODQT\
 Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.033	152	33412	40.00	ng	-0.22
29) Naphthalene-d8	6.070	136	124566	40.00	ng	-0.22
47) Acenaphthene-d10	7.400	164	66609	40.00	ng	-0.24
73) Phenanthrene-d10	8.762	188	123319	40.00	ng	-0.28
87) Chrysene-d12	11.765	240	92192	40.00	ng	-0.30
102) Perylene-d12	13.367	264	91886	40.00	ng	-0.30

System Monitoring Compounds						
10) 2-Fluorophenol	0.000	112	Od	0.00	ng	
Spiked Amount 100.000			Recovery	=	0.00%	
15) Phenol-d5	0.000	99	Od	0.00	ng	
Spiked Amount 100.000			Recovery	=	0.00%	
30) Nitrobenzene-d5	0.000	128	Od	0.00	ng	
Spiked Amount 50.000			Recovery	=	0.00%	
52) 2-Fluorobiphenyl	0.000	172	Od	0.00	ng	
Spiked Amount 50.000			Recovery	=	0.00%	
76) 2,4,6-Tribromophenol	0.000	330	Od	0.00	ng	
Spiked Amount 100.000			Recovery	=	0.00%	
90) Terphenyl-d14	0.000	244	Od	0.00	ng	
Spiked Amount 50.000			Recovery	=	0.00%	

Target Compounds						Qvalue
39) Naphthalene	6.086	128	10740	3.19	ng	83
44) 2-Methylnaphthalene	6.604	142	48205	19.91	ng	97
61) Acenaphthene	7.427	153	11168	5.53	ng	89
68) Fluorene	7.870	166	14922	5.80	ng	84
82) Phenanthrene	8.789	178	123262	33.98	ng	99
83) Anthracene	8.842	178	28720	7.89	ng	94
86) Fluoranthene	10.082	202	26859	6.17	ng	77
88) Pyrene	10.338	202	110103	29.63	ng	74
99) Benzo[a]anthracene	11.754	228	26069	7.46	ng	81
100) Chrysene	11.797	228	33285	10.80	ng	86
104) Benzo[b]fluoranthene	12.977	252	7902	2.38	ng	84
106) Benzo[a]pyrene	13.319	252	13285	4.37	ng	83
109) Benzo[g,h,i]perylene	14.698	276	6585	2.76	ng	71

Library Search Internal Standards TIC Results

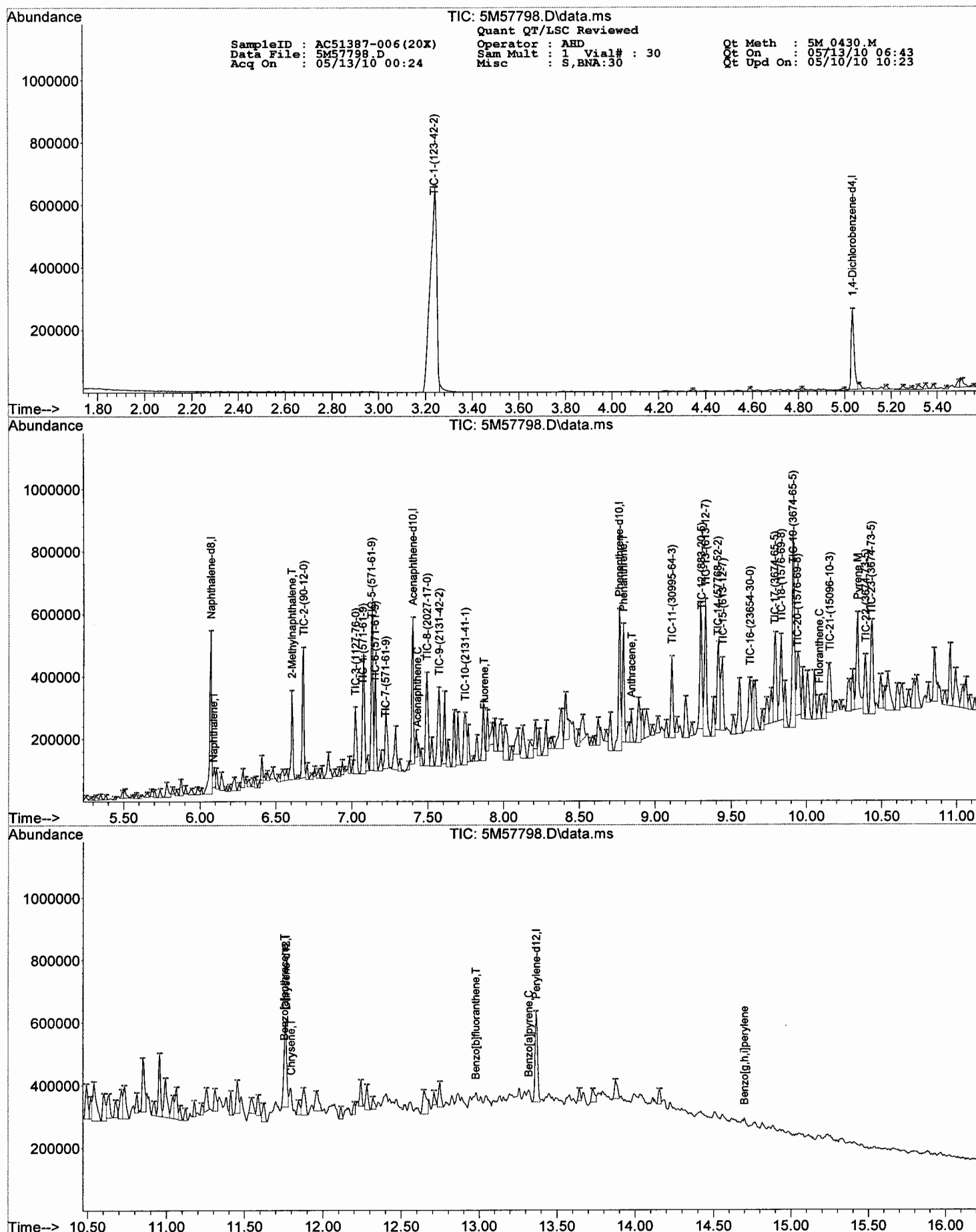
1) 1,4-Dichlorobenzene-d4	5.033	238056m	40.00	ng	--
2) Naphthalene-d8	6.070	349894	40.00	ng	--
3) Phenanthrene-d10	8.762	381582m	40.00	ng	--

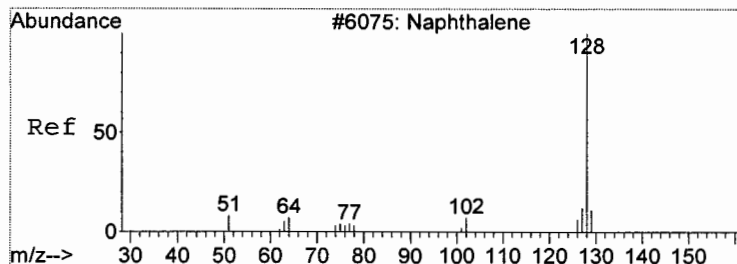
Library Search Compounds

1) 123-42-2	3.240	1254123	210.73	ng	56
2) 90-12-0	6.680	337073	38.53	ng	94
3) 1127-76-0	7.020	212234	24.26	ng	93
4) 571-61-9	7.070	376503	43.04	ng	96
5) 571-61-9	7.130	447412	51.15	ng	98
6) 571-61-9	7.150	237300	27.13	ng	97
7) 571-61-9	7.220	200374	22.91	ng	96
8) 2027-17-0	7.490	333931	35.00	ng	90
9) 2131-42-2	7.570	288783	30.27	ng	98
10) 2131-41-1	7.740	233518	24.48	ng	96
11) 30995-64-3	9.110	251889	26.40	ng	96
12) 883-20-5	9.300	391657	41.06	ng	93
13) 613-12-7	9.330	439858	46.11	ng	95
14) 57768-52-2	9.410	333059	34.91	ng	92
15) 613-12-7	9.440	254668	26.70	ng	87
16) 23654-30-0	9.620	228374	23.94	ng	58
17) 3674-65-5	9.790	326334	34.21	ng	90
18) 1576-69-8	9.830	306399	32.12	ng	94
19) 3674-65-5	9.910	693893	72.74	ng	93
20) 1576-69-8	9.940	289347	30.33	ng	91
21) 15096-10-3	10.150	228863	23.99	ng	55
22) 3674-73-5	10.390	212288	22.25	ng	93
23) 3674-73-5	10.430	365532	38.32	ng	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

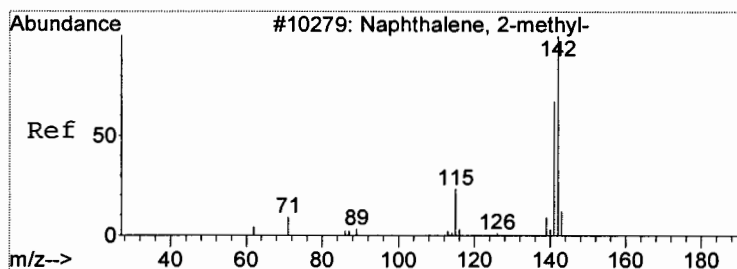
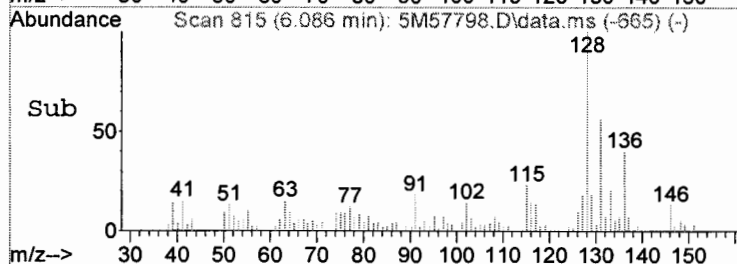
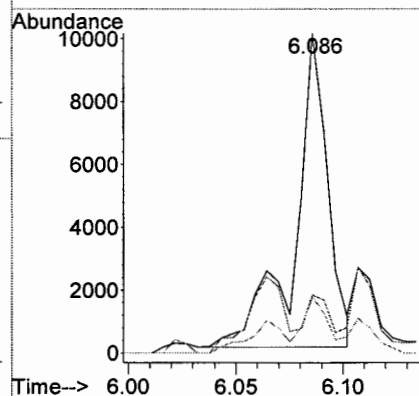
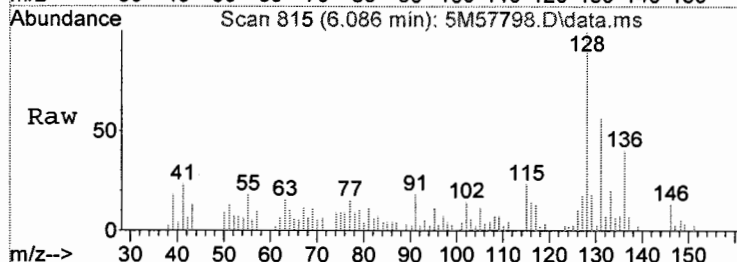
66





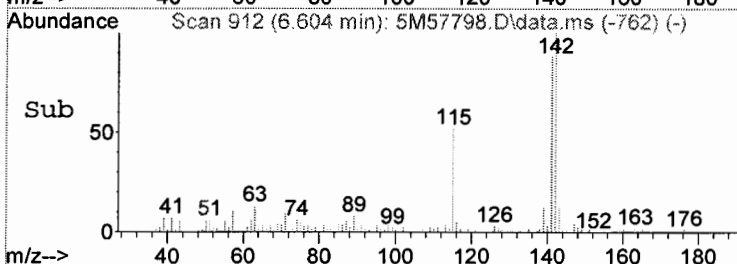
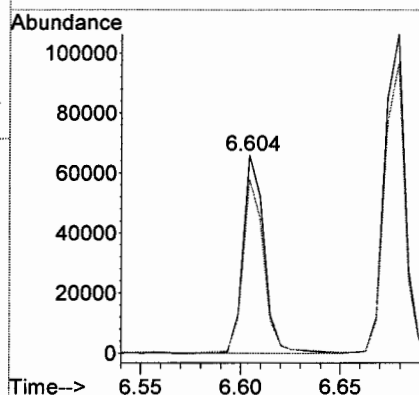
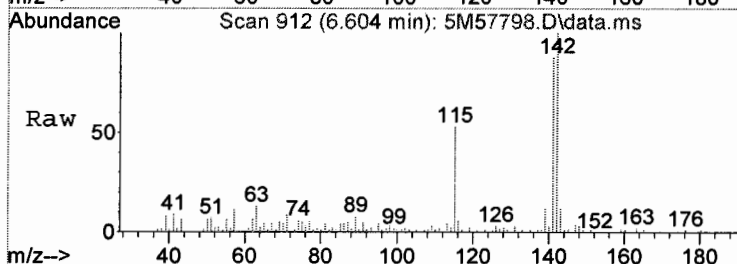
#39
Naphthalene
Concen: 3.19 ng
RT: 6.086 min Scan# 815
Delta R.T. -0.216 min
Lab File: 5M57798.D
Acq: 13 May 2010 00:24

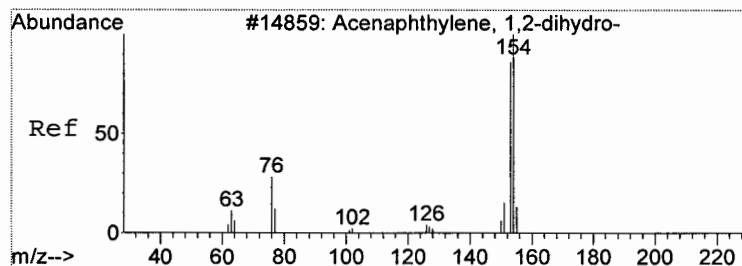
Tgt Ion:128 Resp: 10740
Ion Ratio Lower Upper
128 100
129 18.6 0.0 50.9
127 17.8 0.0 52.4



#44
2-Methylnaphthalene
Concen: 19.91 ng
RT: 6.604 min Scan# 912
Delta R.T. -0.216 min
Lab File: 5M57798.D
Acq: 13 May 2010 00:24

Tgt Ion:142 Resp: 48205
Ion Ratio Lower Upper
142 100
141 87.7 44.6 124.6





#61

Acenaphthene

Concen: 5.53 ng

RT: 7.427 min Scan# 1066

Delta R.T. -0.243 min

Lab File: 5M57798.D

Acq: 13 May 2010 00:24

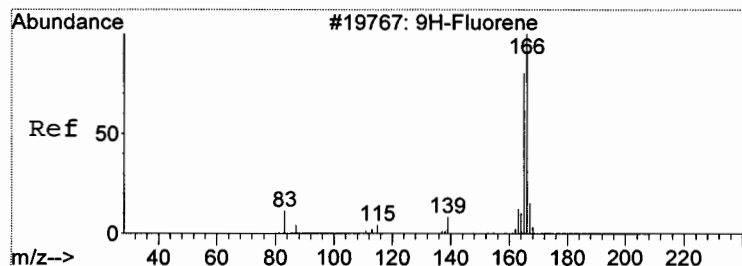
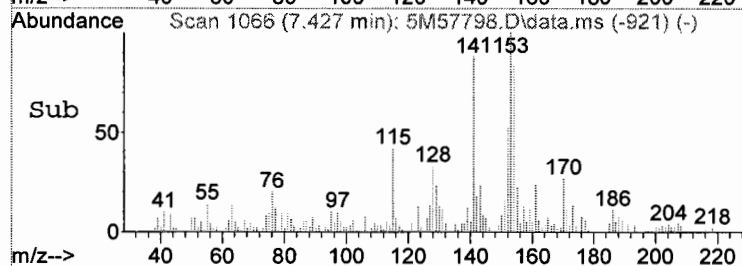
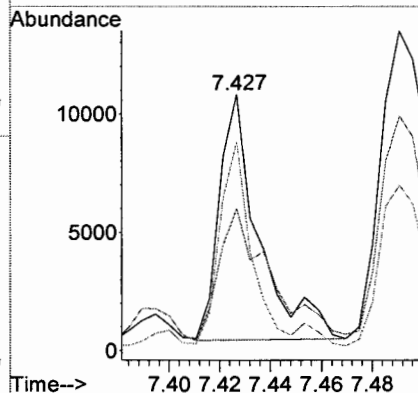
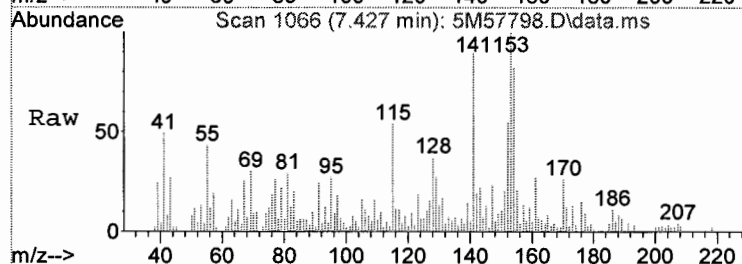
Tgt Ion:153 Resp: 11168

Ion Ratio Lower Upper

153 100

152 54.0 10.0 90.0

154 83.8 57.5 137.5



#68

Fluorene

Concen: 5.80 ng

RT: 7.870 min Scan# 1149

Delta R.T. -0.254 min

Lab File: 5M57798.D

Acq: 13 May 2010 00:24

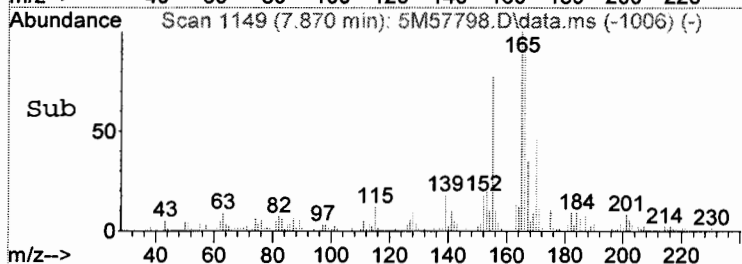
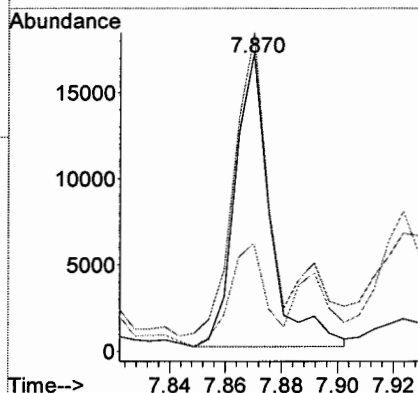
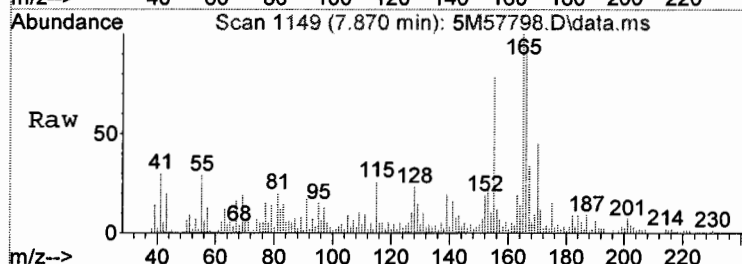
Tgt Ion:166 Resp: 14922

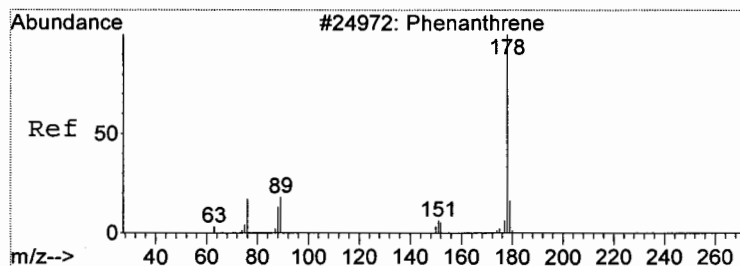
Ion Ratio Lower Upper

166 100

165 102.3 0.0 292.6

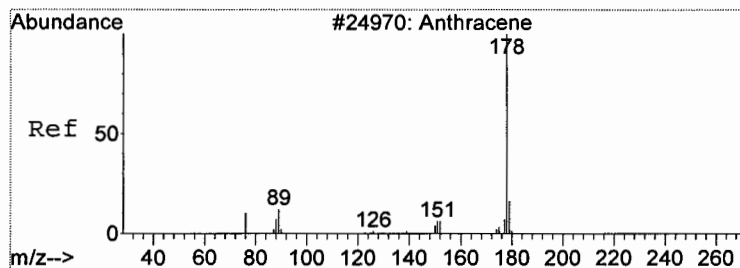
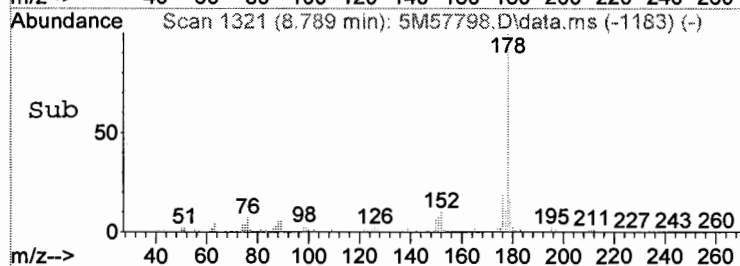
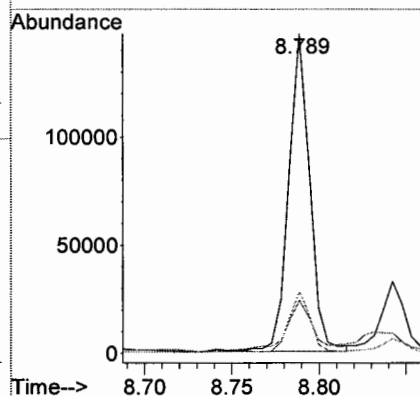
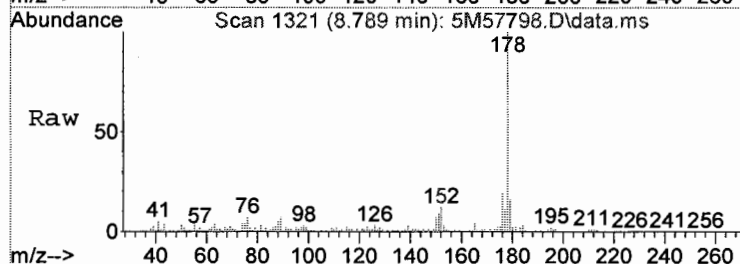
167 34.9 0.0 213.2





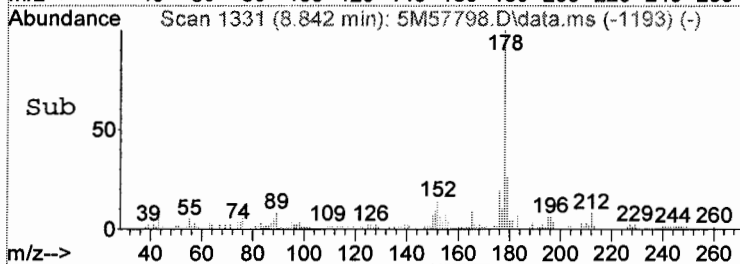
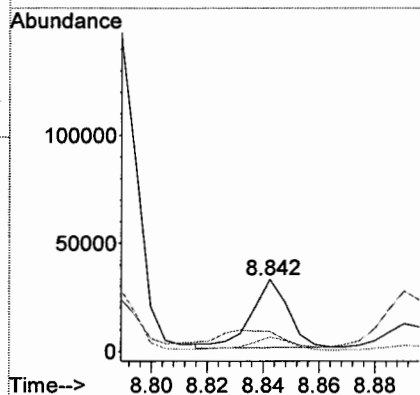
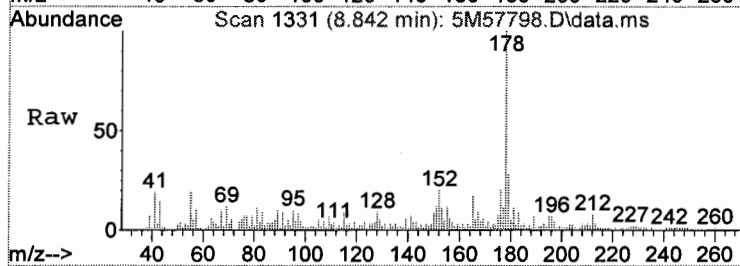
#82
Phenanthrene
Concen: 33.98 ng
RT: 8.789 min Scan# 1321
Delta R.T. -0.280 min
Lab File: 5M57798.D
Acq: 13 May 2010 00:24

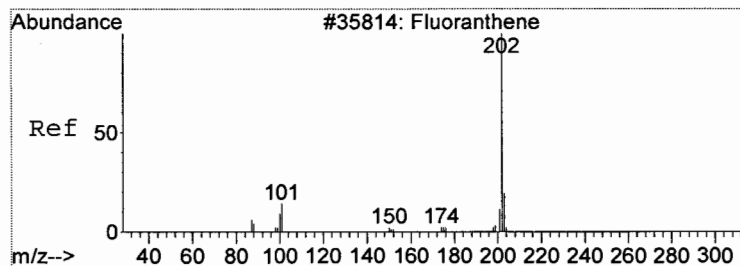
Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.0	0.0	55.5
176	19.2	0.0	59.3



#83
Anthracene
Concen: 7.89 ng
RT: 8.842 min Scan# 1331
Delta R.T. -0.280 min
Lab File: 5M57798.D
Acq: 13 May 2010 00:24

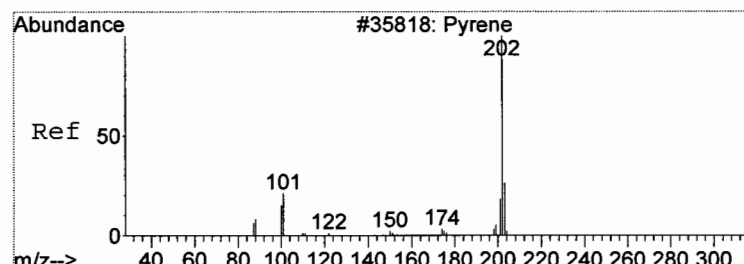
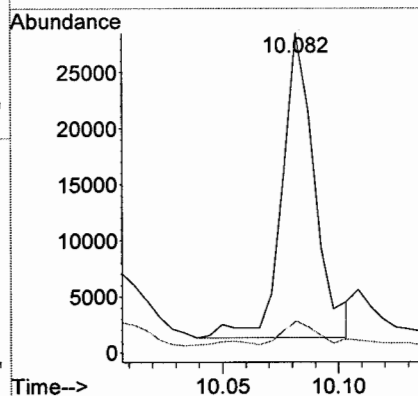
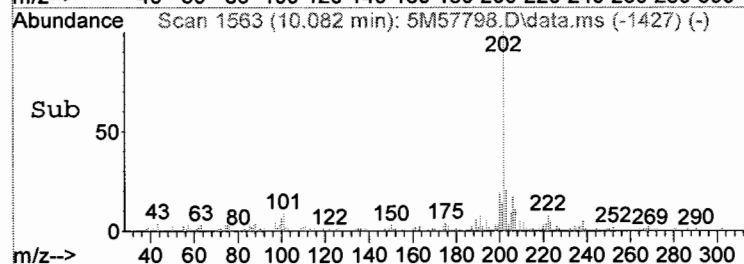
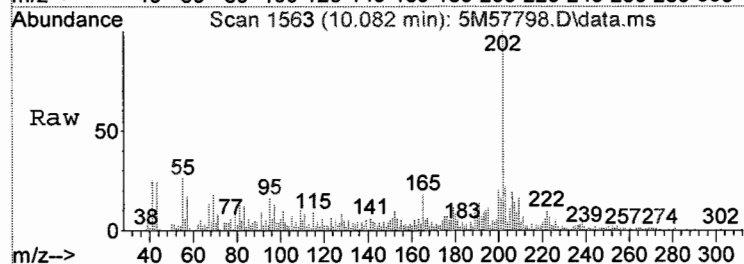
Tgt Ion	Ratio	Lower	Upper
178	100		
179	19.7	0.0	55.2
176	18.9	0.0	58.1





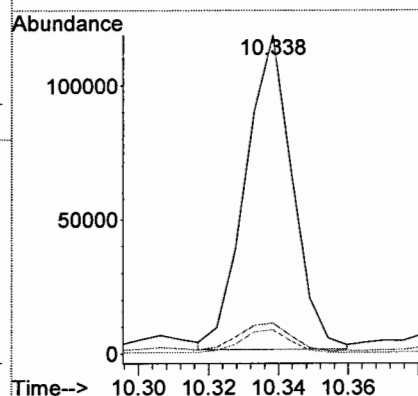
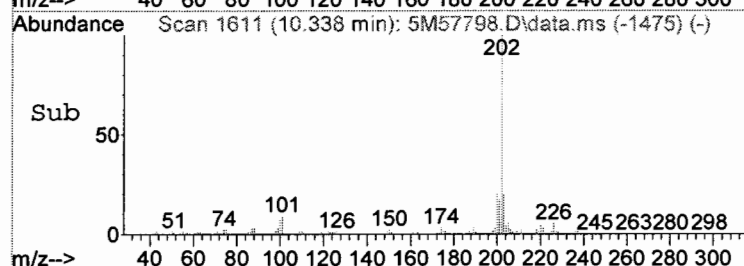
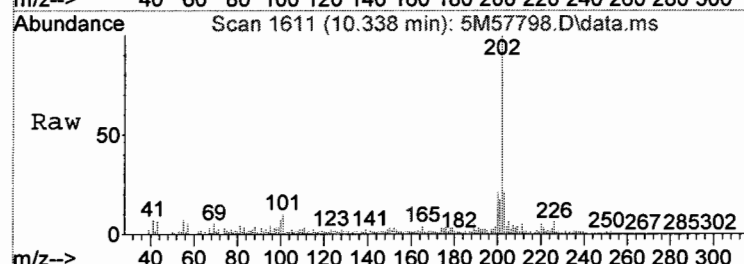
#86
Fluoranthene
Concen: 6.17 ng
RT: 10.082 min Scan# 1563
Delta R.T. -0.291 min
Lab File: 5M57798.D
Acq: 13 May 2010 00:24

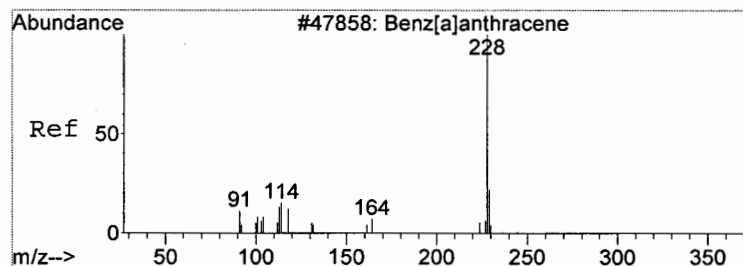
Tgt Ion: 202 Resp: 26859
Ion Ratio Lower Upper
202 100
101 7.7 0.0 57.6



#88
Pyrene
Concen: 29.63 ng
RT: 10.338 min Scan# 1611
Delta R.T. -0.291 min
Lab File: 5M57798.D
Acq: 13 May 2010 00:24

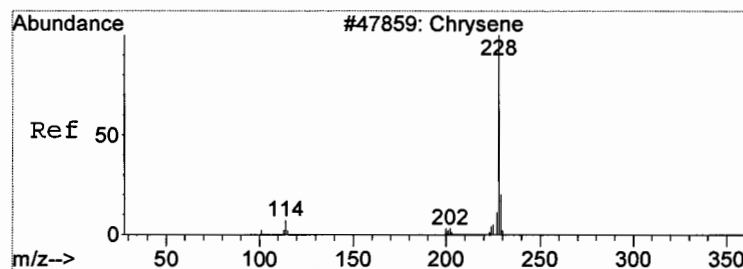
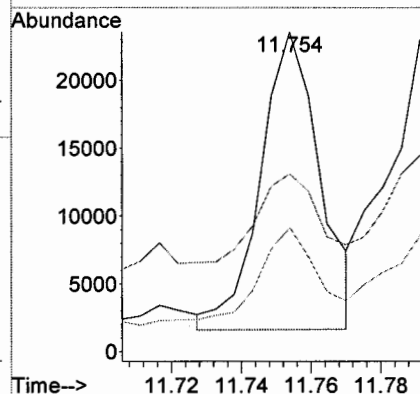
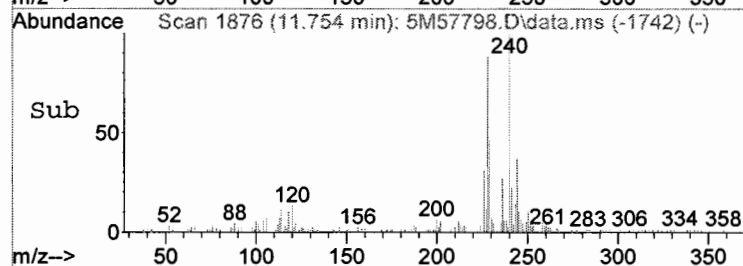
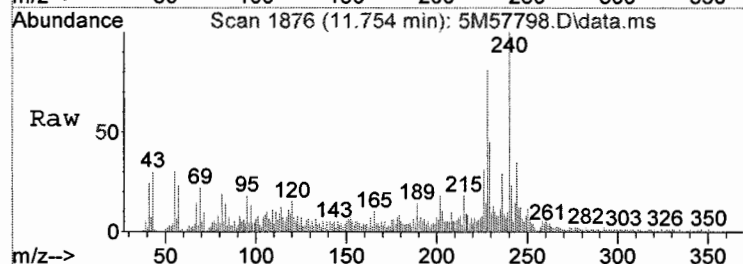
Tgt Ion: 202 Resp: 110103
Ion Ratio Lower Upper
202 100
101 8.9 0.0 62.2
100 7.3 0.0 57.8





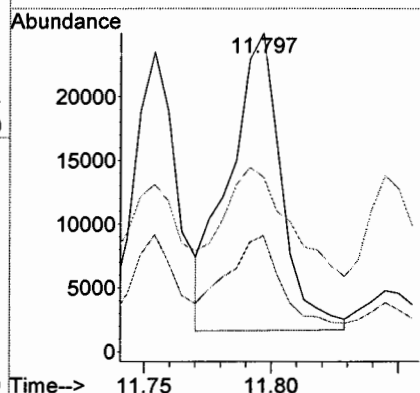
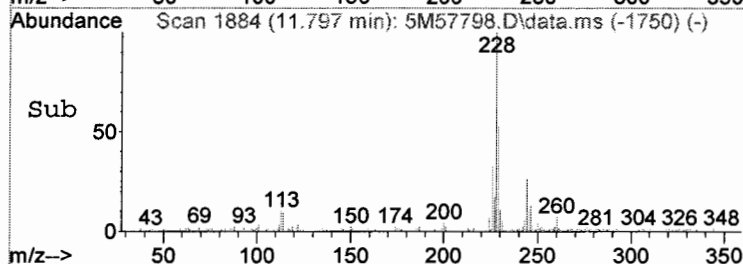
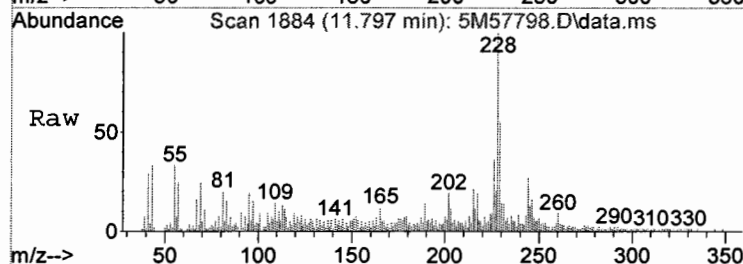
#99
Benzo[a]anthracene
Concen: 7.46 ng
RT: 11.754 min Scan# 1876
Delta R.T. -0.296 min
Lab File: 5M57798.D
Acq: 13 May 2010 00:24

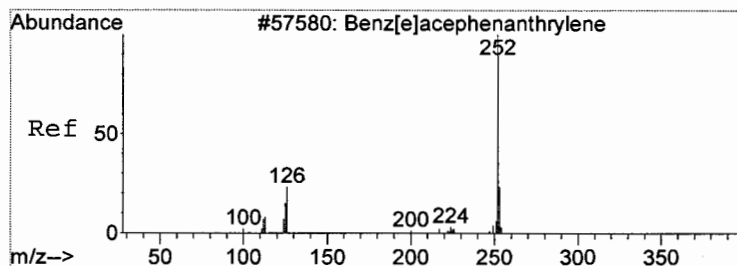
Tgt Ion: 228 Resp: 26069
Ion Ratio Lower Upper
228 100
229 31.3 0.0 59.5
226 32.8 0.0 66.0



#100
Chrysene
Concen: 10.80 ng
RT: 11.797 min Scan# 1884
Delta R.T. -0.302 min
Lab File: 5M57798.D
Acq: 13 May 2010 00:24

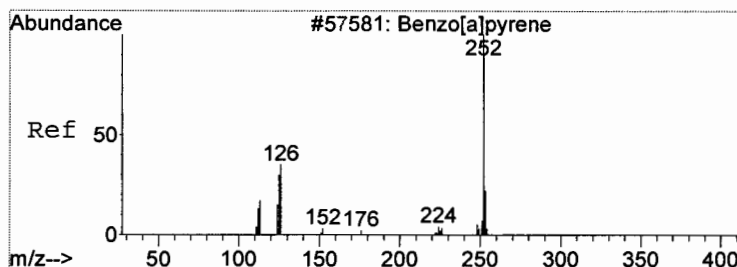
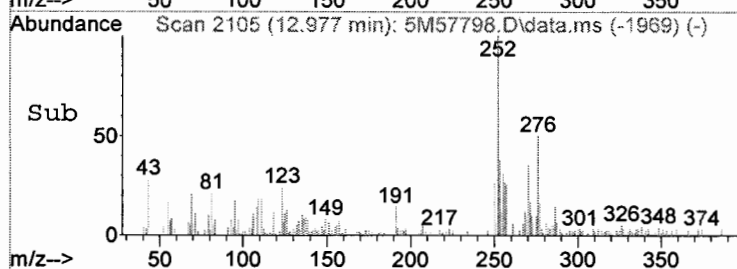
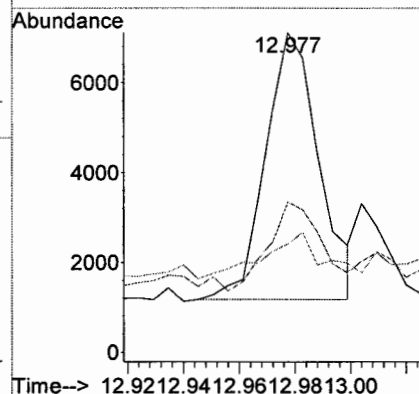
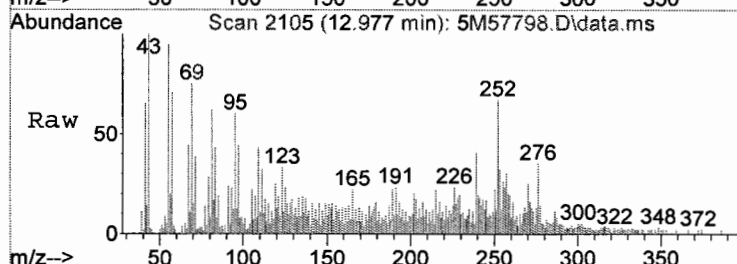
Tgt Ion: 228 Resp: 33285
Ion Ratio Lower Upper
228 100
226 30.6 9.5 49.5
229 34.8 0.0 60.2





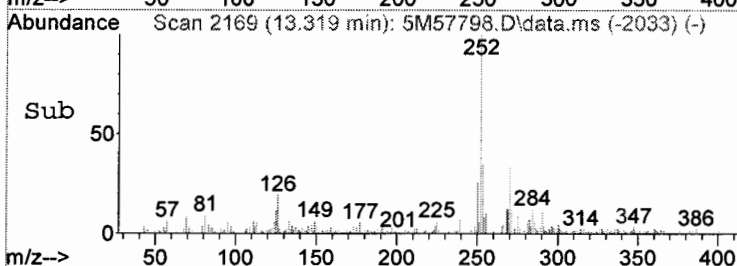
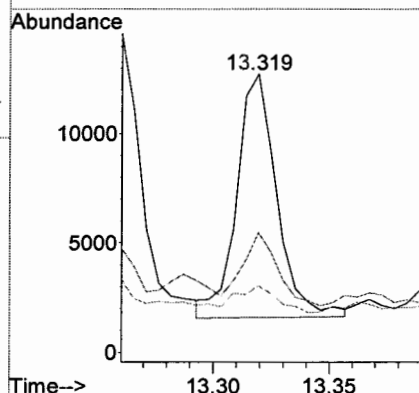
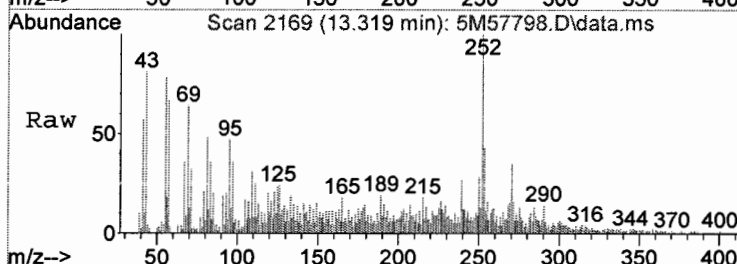
#104
Benzo[b]fluoranthene
Concen: 2.38 ng
RT: 12.977 min Scan# 2105
Delta R.T. -0.291 min
Lab File: 5M57798.D
Acq: 13 May 2010 00:24

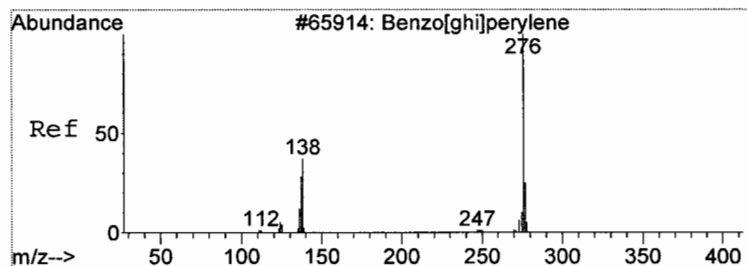
Tgt Ion: 252 Resp: 7902
Ion Ratio Lower Upper
252 100
253 31.7 0.0 62.3
125 13.2 0.0 58.4



#106
Benzo[a]pyrene
Concen: 4.37 ng
RT: 13.319 min Scan# 2169
Delta R.T. -0.291 min
Lab File: 5M57798.D
Acq: 13 May 2010 00:24

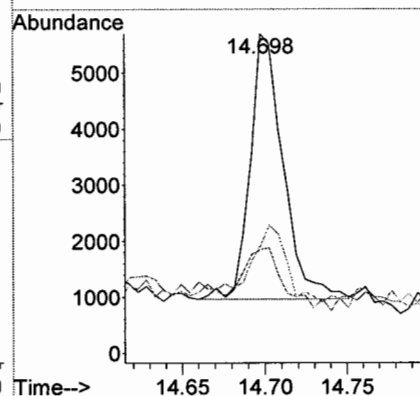
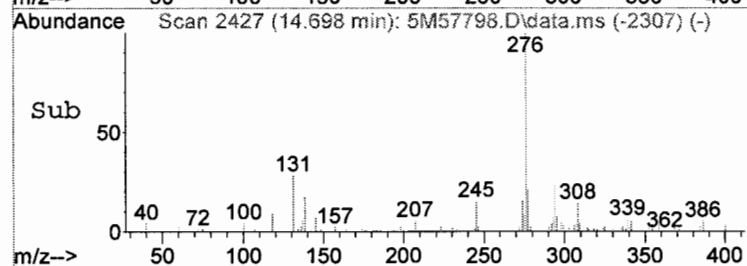
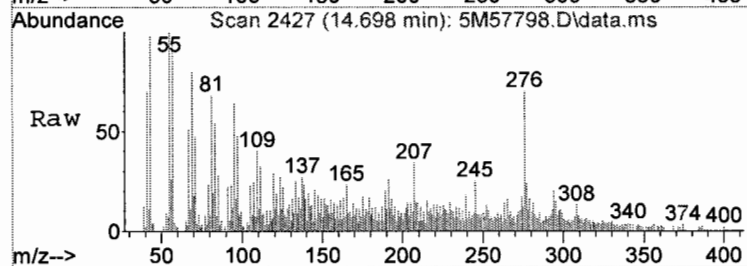
Tgt Ion: 252 Resp: 13285
Ion Ratio Lower Upper
252 100
253 26.7 0.0 62.4
125 9.4 0.0 60.9





#109
Benzo[g,h,i]perylene
Concen: 2.76 ng
RT: 14.698 min Scan# 2427
Delta R.T. -0.371 min
Lab File: 5M57798.D
Acq: 13 May 2010 00:24

Tgt Ion: 276 Resp: 6585
Ion Ratio Lower Upper
276 100
138 16.1 0.0 140.0
277 24.6 0.0 120.0



Data Path : G:\GcMsData\2010\GCMS_5\Data\05-1210\
 Data File : 5M57798.D
 Acq On : 13 May 2010 00:24
 Operator : AHD
 Sample : AC51387-006(20X)
 Misc : S,BNA:30
 ALS Vial : 30 Sample Multiplier: 1

Integration Parameters: LSCINT.P

Integrator: RTE

Smoothing : OFF

Sampling : 1

Start Thrs: 0.05

Stop Thrs : 0

Filtering: 5

Min Area: 500 Area counts

Max Peaks: 250

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 1

Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0430.M
 Title : @GCMS_5,mg,625,8270

Signal : TIC: 5M57798.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.244	272	283	286	rBV	657329	1254123	100.00%	5.557%
2	4.344	483	489	493	rBV4	6000	8165	0.65%	0.036%
3	4.590	532	535	538	rBV2	9265	9408	0.75%	0.042%
4	4.814	575	577	582	rVB2	7753	8769	0.70%	0.039%
5	4.996	602	611	615	rBV6	5096	9635	0.77%	0.043%
6	5.033	615	618	622	rBV	257043	228672	18.23%	1.013%
7	5.060	622	623	629	rVB2	16555	14626	1.17%	0.065%
8	5.178	643	645	651	rVB3	11176	11270	0.90%	0.050%
9	5.252	654	659	662	rBV5	12064	13911	1.11%	0.062%
10	5.290	662	666	669	rVB3	7656	8640	0.69%	0.038%
11	5.317	669	671	675	rBV3	13279	16509	1.32%	0.073%
12	5.349	675	677	680	rVV3	14818	13552	1.08%	0.060%
13	5.386	680	684	686	rVB3	11971	10876	0.87%	0.048%
14	5.439	692	694	696	rBV2	7174	6433	0.51%	0.029%
15	5.493	701	704	705	rBV	23027	20273	1.62%	0.090%
16	5.509	705	707	712	rVB2	25498	26175	2.09%	0.116%
17	5.557	712	716	718	rBV4	6359	8218	0.66%	0.036%
18	5.584	718	721	724	rVB3	15371	13874	1.11%	0.061%
19	5.610	724	726	727	rBV2	7802	6980	0.56%	0.031%
20	5.653	730	734	737	rBV4	11888	16049	1.28%	0.071%
21	5.680	737	739	742	rBV2	20355	23215	1.85%	0.103%
22	5.701	742	743	747	rVB2	21338	13450	1.07%	0.060%
23	5.739	747	750	753	rBV2	24379	20277	1.62%	0.090%
24	5.781	753	758	763	rBV5	44808	54993	4.38%	0.244%
25	5.819	763	765	768	rVB3	19360	14331	1.14%	0.063%
26	5.845	768	770	773	rVB3	16916	13914	1.11%	0.062%
27	5.872	773	775	778	rBV2	48673	46645	3.72%	0.207%
28	5.904	778	781	784	rVB2	22545	14674	1.17%	0.065%
29	5.947	784	789	792	rVB3	16485	22941	1.83%	0.102%
30	5.979	792	795	799	rBV2	21015	26998	2.15%	0.120%
31	6.006	799	800	803	rVB2	15592	10890	0.87%	0.048%
32	6.070	803	812	814	rBV	519578	436383	34.80%	1.934%
33	6.091	814	816	818	rVV3	58584	56924	4.54%	0.252%
34	6.107	818	819	823	rVB2	63061	40927	3.26%	0.181%
35	6.139	823	825	830	rVB2	54626	53595	4.27%	0.237%

LSC Area Percent Report

Data Path : G:\GcMsData\2010\GCMS_5\Data\05-1210\
 Data File : 5M57798.D
 Acq On : 13 May 2010 00:24
 Operator : AHD
 Sample : AC51387-006(20X)
 Misc : S,BNA:30
 ALS Vial : 30 Sample Multiplier: 1

Integration Parameters: LSCINT.P

Integrator: RTE

Soothing : OFF

Sampling : 1

Start Thrs: 0.05

Stop Thrs : 0

Filtering: 5

Min Area: 500 Area counts

Max Peaks: 250

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 1

Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0430.M
 Title : @GCMS_5,mg,625,8270

36	6.171	830	831	833	rVB2	11483	6913	0.55%	0.031%
37	6.193	833	835	837	rBV2	18654	12486	1.00%	0.055%
38	6.225	837	841	845	rVB6	38769	52808	4.21%	0.234%
39	6.257	845	847	849	rBV2	21624	18431	1.47%	0.082%
40	6.284	849	852	854	rBV2	56650	50250	4.01%	0.223%
41	6.300	854	855	857	rBV2	17011	9671	0.77%	0.043%
42	6.321	857	859	862	rVB3	19277	20398	1.63%	0.090%
43	6.348	862	864	866	rBV3	25406	20360	1.62%	0.090%
44	6.369	866	868	870	rVB2	32558	23235	1.85%	0.103%
45	6.390	870	872	873	rBV	21111	14612	1.17%	0.065%
46	6.406	873	875	877	rBV2	85944	61008	4.86%	0.270%
47	6.428	877	879	880	rVB	18368	9398	0.75%	0.042%
48	6.444	880	882	885	rBV3	28483	22924	1.83%	0.102%
49	6.481	885	889	891	rVB4	33676	35055	2.80%	0.155%
50	6.519	894	896	898	rBV2	19577	19822	1.58%	0.088%
51	6.545	898	901	903	rVV3	34679	41489	3.31%	0.184%
52	6.572	903	906	908	rVV3	33273	32151	2.56%	0.142%
53	6.604	908	912	917	rVB	283017	214736	17.12%	0.951%
54	6.647	917	920	922	rBV4	8821	10021	0.80%	0.044%
55	6.679	922	926	929	rVV	414371	337073	26.88%	1.493%
56	6.706	929	931	933	rVB	49427	32764	2.61%	0.145%
57	6.738	933	937	938	rBV3	16931	20233	1.61%	0.090%
58	6.754	938	940	942	rVV2	28461	17723	1.41%	0.079%
59	6.780	942	945	947	rVB3	26147	22207	1.77%	0.098%
60	6.802	947	949	951	rVB2	37536	24291	1.94%	0.108%
61	6.844	951	957	962	rBV5	81215	99103	7.90%	0.439%
62	6.887	962	965	967	rVB3	20319	17757	1.42%	0.079%
63	6.914	967	970	972	rBV3	27855	21499	1.71%	0.095%
64	6.935	972	974	976	rBV2	44097	30474	2.43%	0.135%
65	6.951	976	977	979	rVV2	12472	7107	0.57%	0.031%
66	6.983	981	983	985	rVB2	50766	32970	2.63%	0.146%
67	7.005	985	987	988	rBV2	38997	24263	1.93%	0.108%
68	7.021	988	990	996	rVB	210840	212234	16.92%	0.940%
69	7.074	996	1000	1003	rBV	372798	376503	30.02%	1.668%
70	7.101	1003	1005	1008	rVV2	46172	37872	3.02%	0.168%
71	7.133	1008	1011	1013	rVV	533946	447412	35.68%	1.982%
72	7.154	1013	1015	1018	rVB2	317394	237300	18.92%	1.051%
73	7.192	1018	1022	1024	rBV2	63338	54687	4.36%	0.242%
74	7.224	1024	1028	1032	rVB	192804	200374	15.98%	0.888%
75	7.288	1035	1040	1043	rBV2	135155	143023	11.40%	0.634%

LSC Area Percent Report

Data Path : G:\GcMsData\2010\GCMS_5\Data\05-1210\
 Data File : 5M57798.D
 Acq On : 13 May 2010 00:24
 Operator : AHD
 Sample : AC51387-006(20X)
 Misc : S,BNA:30
 ALS Vial : 30 Sample Multiplier: 1

Integration Parameters: LSCINT.P

Integrator: RTE
 Smoothing : OFF
 Sampling : 1
 Start Thrs: 0.05
 Stop Thrs : 0

Filtering: 5
 Min Area: 500 Area counts
 Max Peaks: 250
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 1

Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0430.M
 Title : @GCMS_5,mg,625,8270

76	7.315	1043	1045	1048	rVB2	35246	26659	2.13%	0.118%
77	7.373	1053	1056	1057	rBV3	24631	19446	1.55%	0.086%
78	7.400	1057	1061	1063	rVV	466502	355108	28.32%	1.573%
79	7.421	1063	1065	1067	rBV2	83622	61245	4.88%	0.271%
80	7.453	1070	1071	1074	rVB2	51850	31430	2.51%	0.139%
81	7.491	1074	1078	1082	rBV	296149	333931	26.63%	1.480%
82	7.523	1082	1084	1088	rVB3	89190	79908	6.37%	0.354%
83	7.571	1088	1093	1096	rBV2	249500	288783	23.03%	1.280%
84	7.608	1096	1100	1102	rVV	229902	168970	13.47%	0.749%
85	7.630	1102	1104	1108	rVB3	83367	73444	5.86%	0.325%
86	7.672	1108	1112	1114	rBV	178638	165915	13.23%	0.735%
87	7.694	1114	1116	1121	rVB	166268	138705	11.06%	0.615%
88	7.742	1121	1125	1128	rBV2	164942	233518	18.62%	1.035%
89	7.763	1128	1129	1133	rVV2	114798	68293	5.45%	0.303%
90	7.795	1133	1135	1137	rVV3	12982	10065	0.80%	0.045%
91	7.822	1137	1140	1143	rVB3	79840	78293	6.24%	0.347%
92	7.865	1144	1148	1151	rBV3	189806	177474	14.15%	0.786%
93	7.892	1151	1153	1155	rBV2	128466	106095	8.46%	0.470%
94	7.924	1155	1159	1161	rVV3	66874	77732	6.20%	0.344%
95	7.940	1161	1162	1166	rVB2	101522	86901	6.93%	0.385%
96	7.982	1166	1170	1173	rBV4	98639	131489	10.48%	0.583%
97	8.009	1173	1175	1180	rVB4	107668	156455	12.48%	0.693%
98	8.052	1180	1183	1185	rBV4	41035	40602	3.24%	0.180%
99	8.095	1185	1191	1194	rVB3	79892	109672	8.74%	0.486%
100	8.127	1194	1197	1202	rVB3	102029	134332	10.71%	0.595%
101	8.175	1202	1206	1210	rBV5	55134	95231	7.59%	0.422%
102	8.212	1210	1213	1215	rVB	87766	74978	5.98%	0.332%
103	8.233	1215	1217	1221	rVB	84140	73260	5.84%	0.325%
104	8.282	1221	1226	1228	rBV2	110181	115908	9.24%	0.514%
105	8.303	1228	1230	1232	rBV2	29366	26585	2.12%	0.118%
106	8.324	1232	1234	1236	rVB2	34125	22206	1.77%	0.098%
107	8.378	1236	1244	1247	rBV3	124520	208574	16.63%	0.924%
108	8.410	1247	1250	1254	rBV3	150233	195061	15.55%	0.864%
109	8.490	1263	1265	1267	rBV	52047	45915	3.66%	0.203%
110	8.522	1267	1271	1275	rVV4	73100	115922	9.24%	0.514%
111	8.575	1279	1281	1283	rBV2	20891	16120	1.29%	0.071%
112	8.597	1283	1285	1287	rVB2	25681	17777	1.42%	0.079%
113	8.623	1287	1290	1292	rBV2	86502	91758	7.32%	0.407%
114	8.677	1297	1300	1302	rBV2	32857	37151	2.96%	0.165%

LSC Area Percent Report

Data Path : G:\GcMsData\2010\GCMS_5\Data\05-1210\
 Data File : 5M57798.D
 Acq On : 13 May 2010 00:24
 Operator : AHD
 Sample : AC51387-006(20X)
 Misc : S,BNA:30
 ALS Vial : 30 Sample Multiplier: 1

Integration Parameters: LSCINT.P

Integrator: RTE
 Smoothing : OFF
 Sampling : 1
 Start Thrs: 0.05
 Stop Thrs : 0

Filtering: 5
 Min Area: 500 Area counts
 Max Peaks: 250
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 1

Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0430.M
 Title : @GCMS_5,mg,625,8270

115	8.704	1302	1305	1309	rVB	119680	118999	9.49%	0.527%
116	8.762	1309	1316	1319	rBV	451088	461831	36.83%	2.046%
117	8.789	1319	1321	1324	rVV	376010	293927	23.44%	1.302%
118	8.826	1324	1328	1329	rVV3	60621	78419	6.25%	0.347%
119	8.842	1329	1331	1334	rVB	103578	80291	6.40%	0.356%
120	8.891	1336	1340	1343	rBV2	141682	186184	14.85%	0.825%
121	8.917	1343	1345	1347	rVV	93117	82972	6.62%	0.368%
122	8.944	1347	1350	1355	rVV3	85913	120023	9.57%	0.532%
123	8.981	1355	1357	1360	rVV3	29616	30815	2.46%	0.137%
124	9.019	1360	1364	1367	rVV4	49075	62532	4.99%	0.277%
125	9.072	1372	1374	1377	rVB3	54193	47955	3.82%	0.212%
126	9.110	1377	1381	1385	rBV2	259256	251889	20.08%	1.116%
127	9.142	1385	1387	1389	rBV3	46330	38147	3.04%	0.169%
128	9.200	1394	1398	1402	rBV	131035	156396	12.47%	0.693%
129	9.243	1402	1406	1409	rVB5	37637	42664	3.40%	0.189%
130	9.297	1412	1416	1419	rBV2	398482	391657	31.23%	1.735%
131	9.329	1419	1422	1428	rVB	438510	439858	35.07%	1.949%
132	9.382	1428	1432	1434	rBV	123376	116400	9.28%	0.516%
133	9.414	1434	1438	1440	rVV	279713	333059	26.56%	1.476%
134	9.441	1440	1443	1447	rVB2	231341	254668	20.31%	1.128%
135	9.510	1453	1456	1460	rBV3	57849	71183	5.68%	0.315%
136	9.553	1460	1464	1468	rVB	174746	196670	15.68%	0.871%
137	9.622	1470	1477	1479	rBV5	169236	228374	18.21%	1.012%
138	9.644	1479	1481	1482	rVV	150161	126125	10.06%	0.559%
139	9.660	1482	1484	1490	rVB2	156361	161806	12.90%	0.717%
140	9.708	1490	1493	1495	rBV	64665	66996	5.34%	0.297%
141	9.735	1495	1498	1501	rVV2	85841	111556	8.90%	0.494%
142	9.767	1501	1504	1506	rVV	110955	122585	9.77%	0.543%
143	9.793	1506	1509	1512	rVV	285390	326334	26.02%	1.446%
144	9.831	1512	1516	1519	rVV	273651	306399	24.43%	1.358%
145	9.857	1519	1521	1526	rVB	147135	135349	10.79%	0.600%
146	9.911	1526	1531	1534	rBV	610040	693893	55.33%	3.074%
147	9.943	1534	1537	1541	rVV3	198888	289347	23.07%	1.282%
148	9.975	1541	1543	1546	rVB	162170	120343	9.60%	0.533%
149	10.007	1546	1549	1554	rVB3	153235	185215	14.77%	0.821%
150	10.050	1554	1557	1560	rBV	155377	148331	11.83%	0.657%
151	10.082	1560	1563	1566	rVB2	72290	73756	5.88%	0.327%
152	10.114	1566	1569	1572	rBV4	74897	94133	7.51%	0.417%
153	10.146	1572	1575	1580	rBV4	154679	228863	18.25%	1.014%

LSC Area Percent Report

Data Path : G:\GcMsData\2010\GCMS_5\Data\05-1210\
 Data File : 5M57798.D
 Acq On : 13 May 2010 00:24
 Operator : AHD
 Sample : AC51387-006(20X)
 Misc : S,BNA:30
 ALS Vial : 30 Sample Multiplier: 1

Integration Parameters: LSCINT.P

Integrator: RTE
 Smoothing : OFF
 Sampling : 1
 Start Thrs: 0.05
 Stop Thrs : 0

Filtering: 5
 Min Area: 500 Area counts
 Max Peaks: 250
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 1

Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0430.M
 Title : @GCMS_5,mg,625,8270

154	10.183	1580	1582	1585	rBV2	28000	38710	3.09%	0.172%
155	10.231	1589	1591	1592	rBV2	28043	18230	1.45%	0.081%
156	10.285	1596	1601	1603	rBV2	100358	157734	12.58%	0.699%
157	10.306	1603	1605	1607	rVV2	127863	110862	8.84%	0.491%
158	10.338	1607	1611	1618	rVV	308312	379040	30.22%	1.679%
159	10.392	1618	1621	1625	rVB	189085	212288	16.93%	0.941%
160	10.434	1625	1629	1633	rBV	300556	365532	29.15%	1.620%
161	10.493	1637	1640	1643	rBV2	108493	123756	9.87%	0.548%
162	10.520	1643	1645	1646	rVV	67533	55475	4.42%	0.246%
163	10.541	1646	1649	1657	rVB8	121211	197921	15.78%	0.877%
164	10.605	1657	1661	1664	rBV4	82973	117014	9.33%	0.518%
165	10.637	1664	1667	1671	rVB4	72818	87869	7.01%	0.389%
166	10.680	1672	1675	1677	rBV2	52376	56135	4.48%	0.249%
167	10.718	1678	1682	1683	rVV2	90091	113057	9.01%	0.501%
168	10.734	1683	1685	1691	rVB5	102777	124631	9.94%	0.552%
169	10.814	1697	1700	1702	rVB3	61608	50327	4.01%	0.223%
170	10.851	1704	1707	1711	rBV	168470	197841	15.78%	0.877%
171	10.921	1717	1720	1723	rBV3	40937	49524	3.95%	0.219%
172	10.958	1723	1727	1730	rVV	197365	191864	15.30%	0.850%
173	10.995	1730	1734	1739	rVV	121922	168352	13.42%	0.746%
174	11.043	1739	1743	1744	rVV3	70723	84970	6.78%	0.376%
175	11.065	1744	1747	1749	rVV	99319	100650	8.03%	0.446%
176	11.086	1749	1751	1754	rVB2	42762	34082	2.72%	0.151%
177	11.118	1755	1757	1760	rVB3	35570	33034	2.63%	0.146%
178	11.177	1766	1768	1770	rBV2	47851	38952	3.11%	0.173%
179	11.225	1775	1777	1779	rBV3	34467	34268	2.73%	0.152%
180	11.257	1780	1783	1786	rVB4	68686	82067	6.54%	0.364%
181	11.311	1790	1793	1796	rBV2	68949	82224	6.56%	0.364%
182	11.412	1810	1812	1814	rVB	74517	55232	4.40%	0.245%
183	11.455	1816	1820	1823	rBV2	103266	123961	9.88%	0.549%
184	11.546	1834	1837	1842	rVV3	45998	65803	5.25%	0.292%
185	11.588	1842	1845	1848	rVB3	61770	67435	5.38%	0.299%
186	11.620	1849	1851	1855	rVB4	56112	63475	5.06%	0.281%
187	11.765	1873	1878	1881	rBV2	271200	343380	27.38%	1.521%
188	11.845	1890	1893	1896	rBV	43476	52345	4.17%	0.232%
189	11.877	1896	1899	1904	rVB3	82943	121540	9.69%	0.539%
190	11.957	1911	1914	1921	rVB4	60067	105016	8.37%	0.465%
191	12.117	1941	1944	1946	rBV2	36440	35875	2.86%	0.159%
192	12.203	1957	1960	1961	rBV2	37562	35925	2.86%	0.159%

Data Path : G:\GcMsData\2010\GCMS_5\Data\05-1210\
Data File : 5M57798.D
Acq On : 13 May 2010 00:24
Operator : AHD
Sample : AC51387-006(20X)
Misc : S,BNA:30
ALS Vial : 30 Sample Multiplier: 1

Integration Parameters: LSCINT.P

Integrator: RTE
Smoothing : OFF
Sampling : 1
Start Thrs: 0.05
Stop Thrs : 0
Filtering: 5
Min Area: 500 Area counts
Max Peaks: 250
Peak Location: TOP

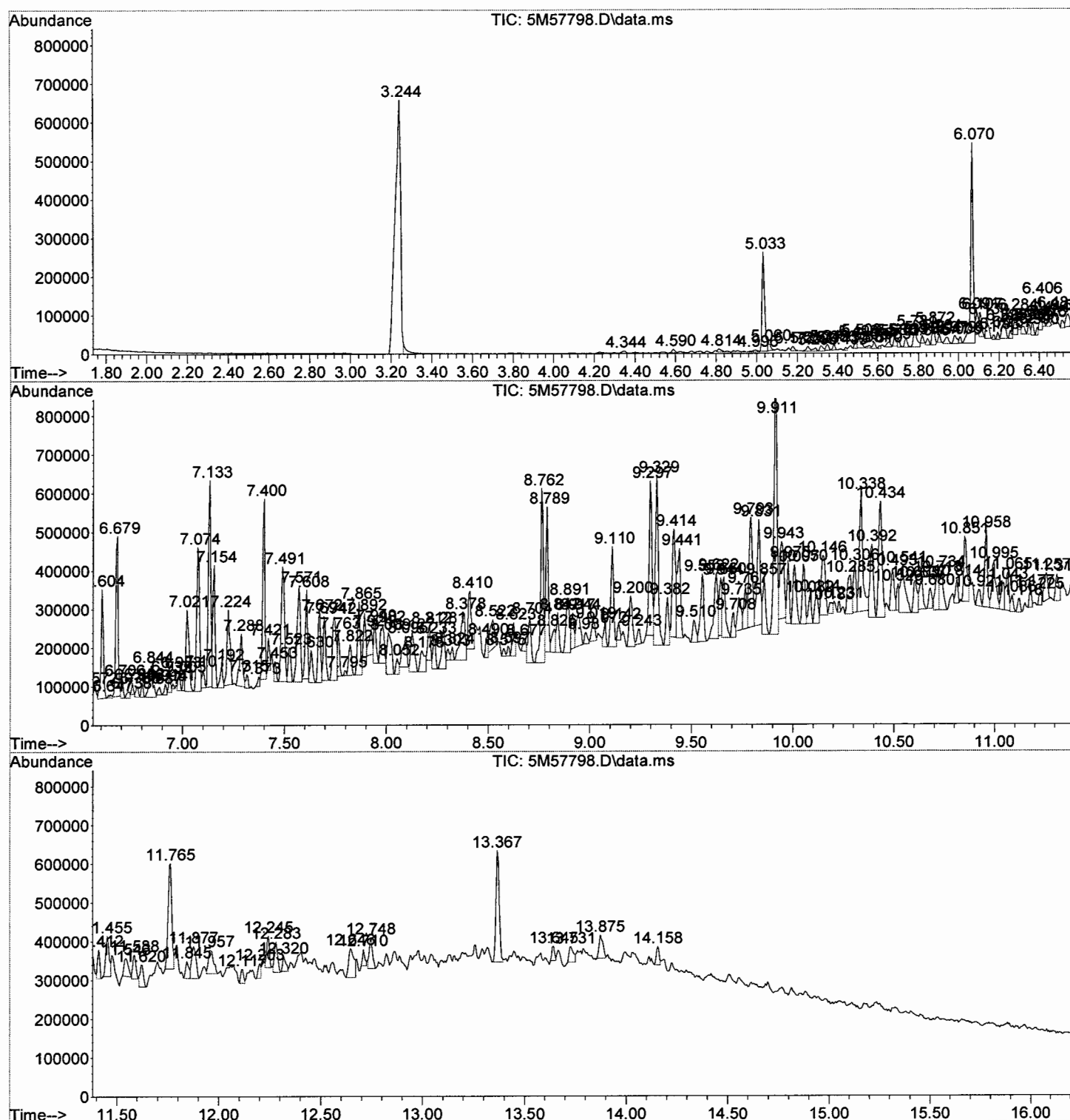
If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 1

Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0430.M
Title : @GCMS_5,mg,625,8270

193	12.245	1965	1968	1971	rVB2	81309	71804	5.73%	0.318%
194	12.283	1972	1975	1979	rVB	77795	81754	6.52%	0.362%
195	12.320	1980	1982	1986	rBV4	36928	42261	3.37%	0.187%
196	12.646	2039	2043	2048	rBV5	74656	141787	11.31%	0.628%
197	12.710	2053	2055	2058	rBV	42184	35627	2.84%	0.158%
198	12.748	2059	2062	2066	rVB2	79615	86969	6.93%	0.385%
199	13.367	2174	2178	2183	rBV	286639	314824	25.10%	1.395%
200	13.645	2227	2230	2232	rBV2	36960	36167	2.88%	0.160%
201	13.731	2243	2246	2250	rBV5	39921	62203	4.96%	0.276%
202	13.875	2270	2273	2278	rBV6	59469	77832	6.21%	0.345%
203	14.158	2323	2326	2328	rBV2	46659	46108	3.68%	0.204%

Sum of corrected areas: 22569539

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_5\Data\05-1210\
 Data File : 5M57798.D
 Acq On : 13 May 2010 00:24
 Operator : AHD
 Sample : AC51387-006(20X)
 Misc : S,BNA:30
 ALS Vial : 30 Sample Multiplier: 1

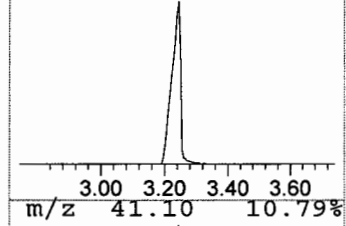
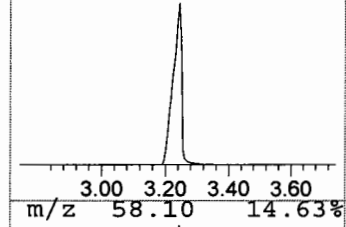
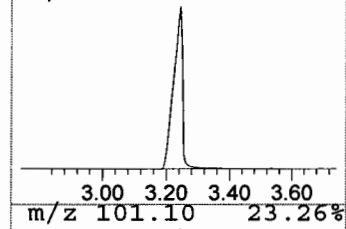
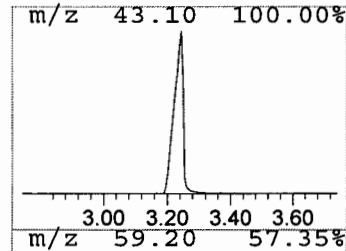
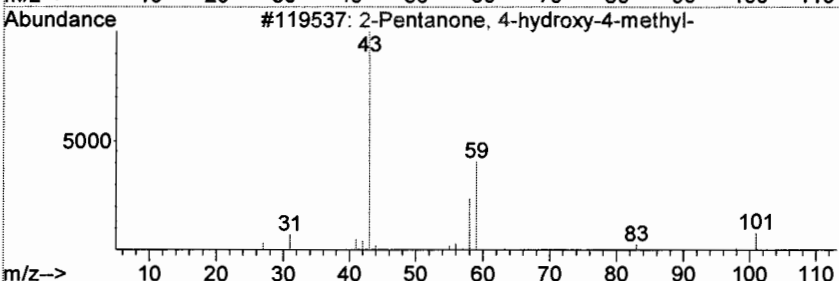
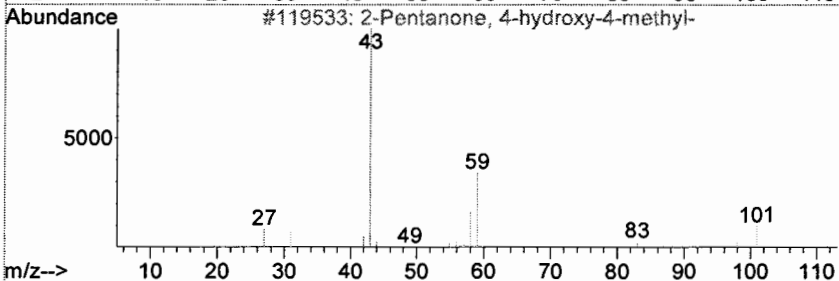
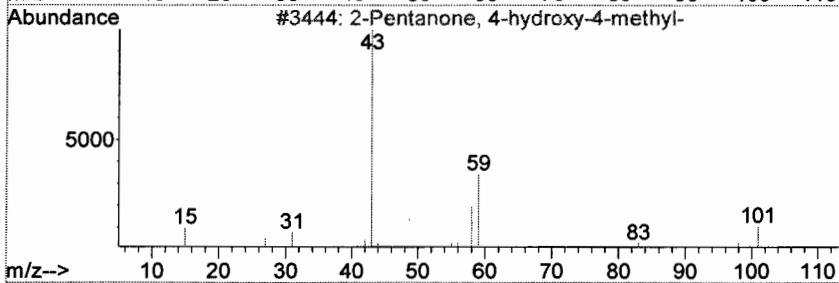
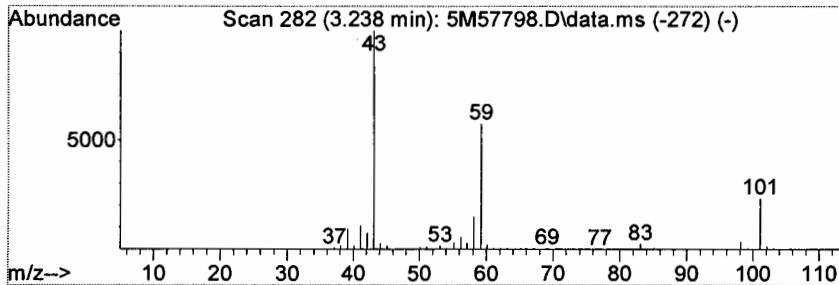
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 Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.24	210.73 ng	1254123	LibIS-1,4-Dichlorobenzene-d4	5.03

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
3			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	40
4			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	40
5			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	40



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_5\Data\05-1210\
 Data File : 5M57798.D
 Acq On : 13 May 2010 00:24
 Operator : AHD
 Sample : AC51387-006(20X)
 Misc : S,BNA:30
 ALS Vial : 30 Sample Multiplier: 1

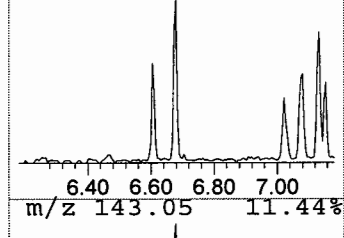
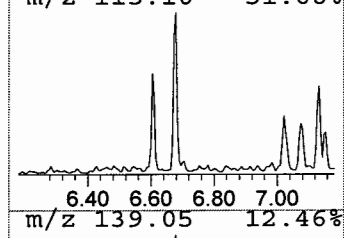
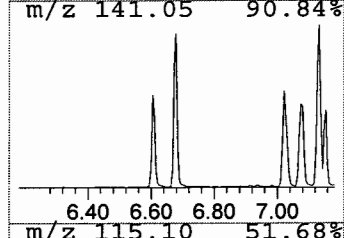
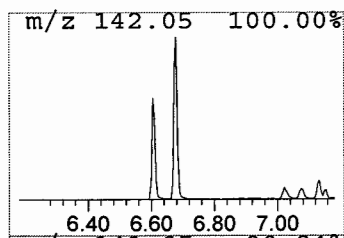
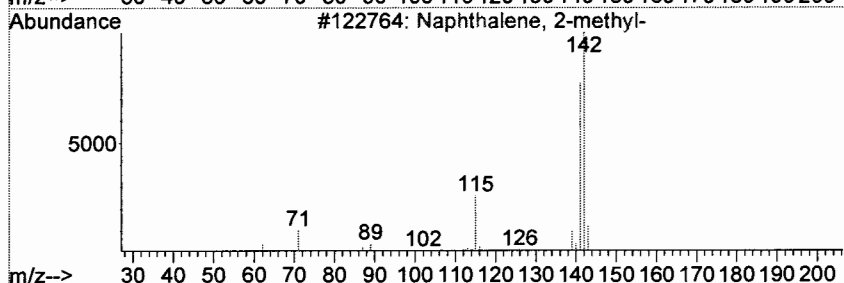
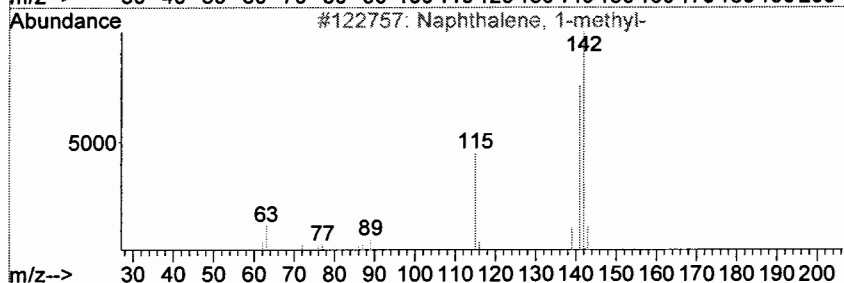
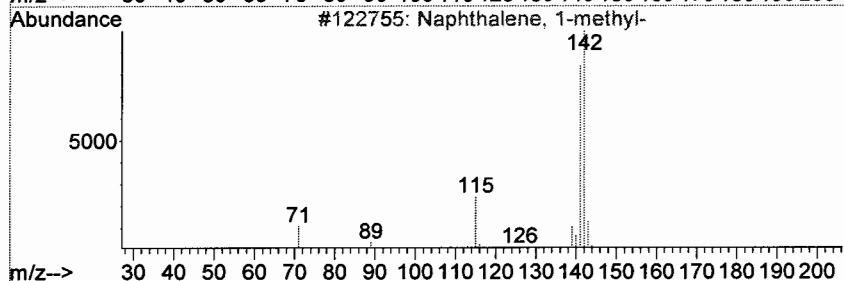
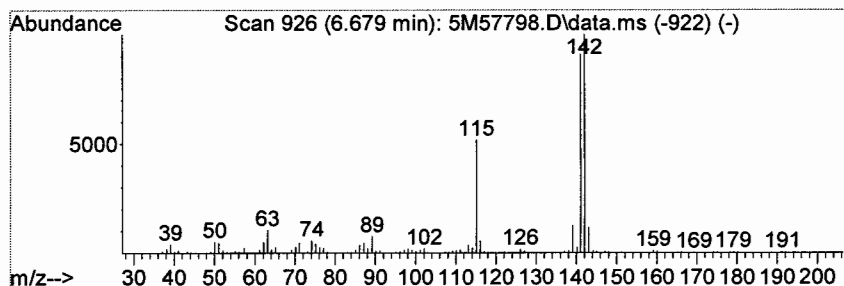
Quant Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0430.M
 Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 2 Naphthalene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.68	38.53 ng	337073	LibIS-Naphthalene-d8	6.07

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
2			Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
3			Naphthalene, 2-methyl-	142	C11H10	000091-57-6	93
4			Naphthalene, 1-methyl-	142	C11H10	000090-12-0	93
5			Naphthalene, 2-methyl-	142	C11H10	000091-57-6	91



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_5\Data\05-1210\
 Data File : 5M57798.D
 Acq On : 13 May 2010 00:24
 Operator : AHD
 Sample : AC51387-006(20X)
 Misc : S,BNA:30
 ALS Vial : 30 Sample Multiplier: 1

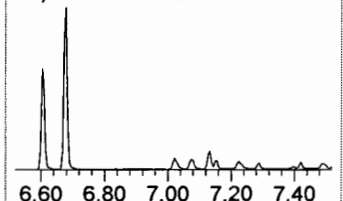
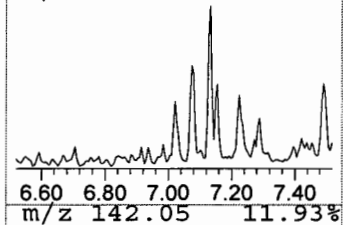
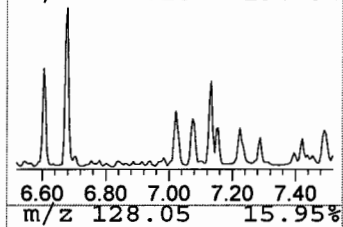
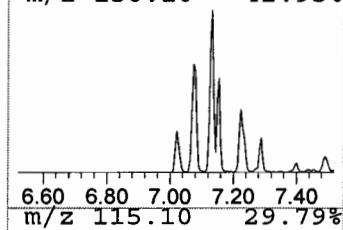
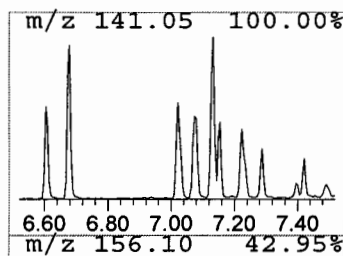
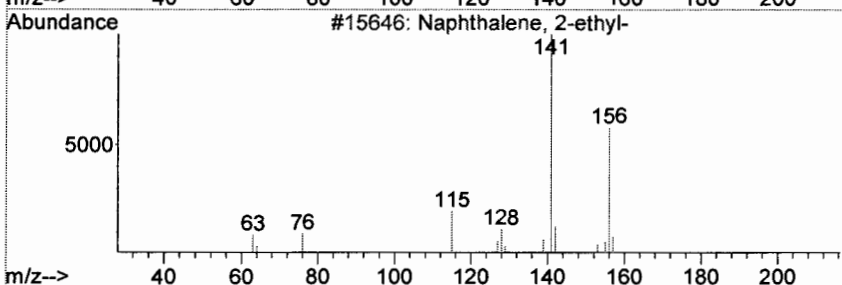
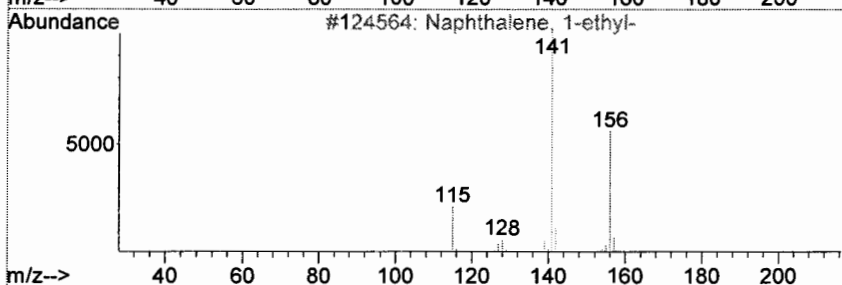
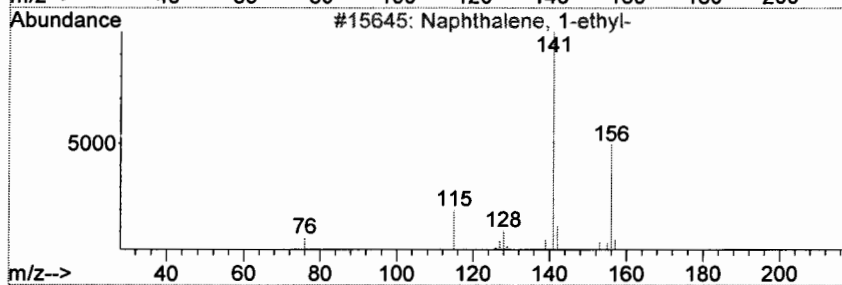
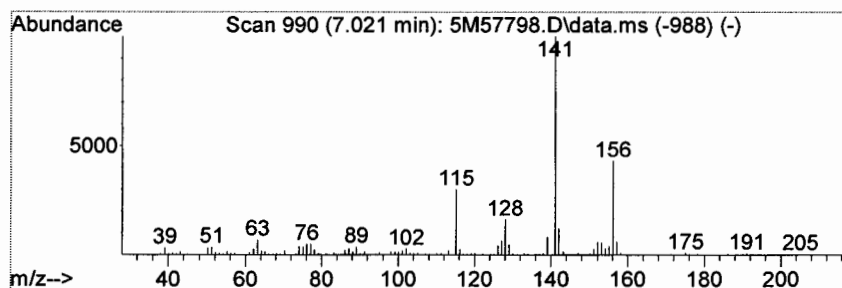
Quant Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0430.M
 Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 3 Naphthalene, 1-ethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.02	24.26 ng	212234	LibIS-Naphthalene-d8	6.07

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	93
2			Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	91
3			Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	91
4			Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	91
5			Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	91



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_5\Data\05-1210\
 Data File : 5M57798.D
 Acq On : 13 May 2010 00:24
 Operator : AHD
 Sample : AC51387-006(20X)
 Misc : S,BNA:30
 ALS Vial : 30 Sample Multiplier: 1

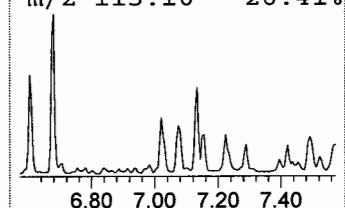
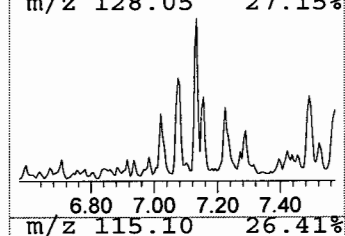
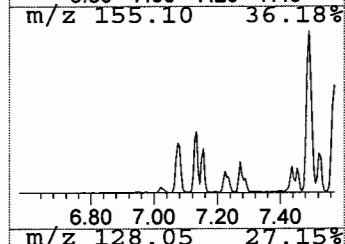
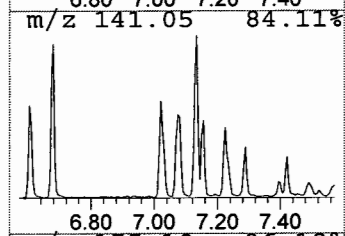
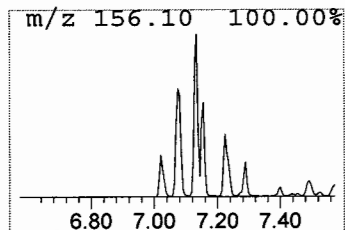
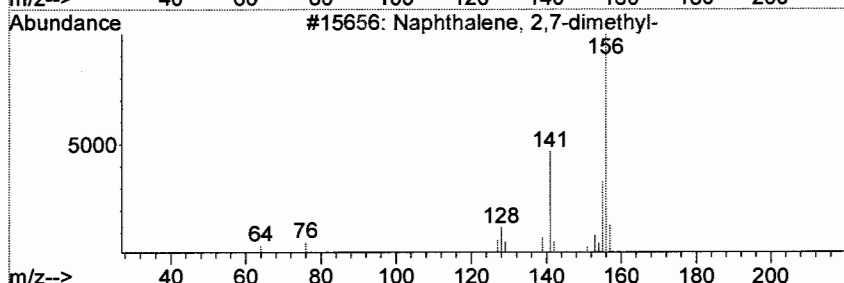
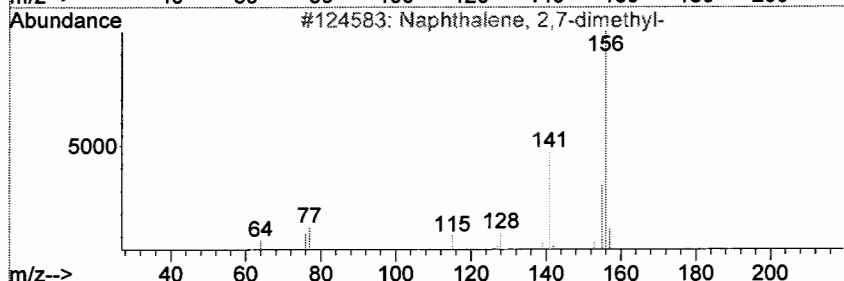
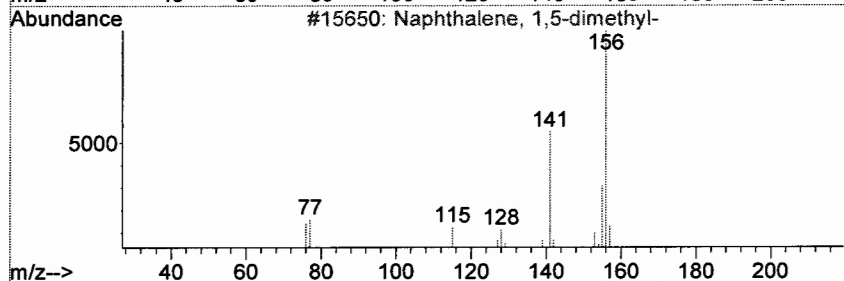
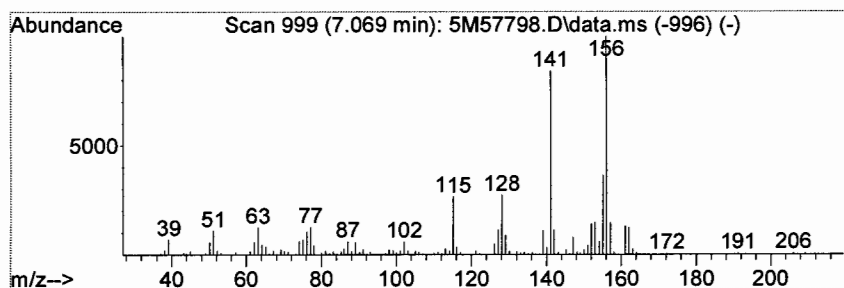
Quant Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0430.M
 Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 4 Naphthalene, 1,5-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.07	43.04 ng	376503	LibIS-Naphthalene-d8	6.07

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	96
2			Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95
3			Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95
4			Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	95
5			Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	95



Library Search Compound Report

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 Operator : AHD
 Sample : AC51387-006(20X)
 Misc : S,BNA:30
 ALS Vial : 30 Sample Multiplier: 1

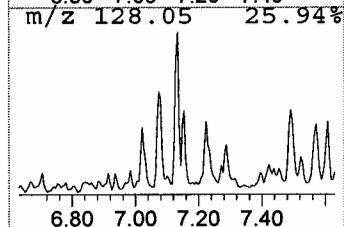
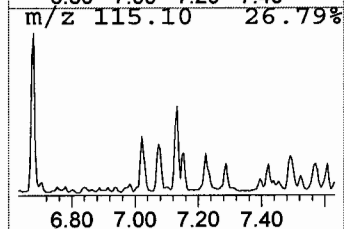
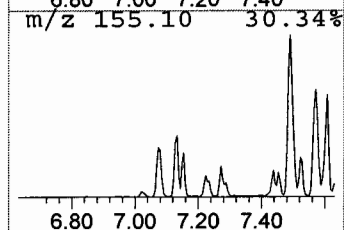
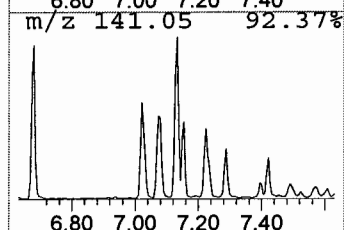
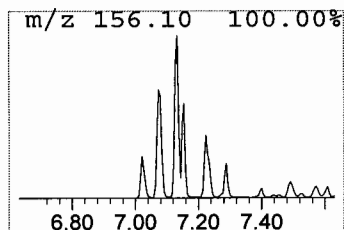
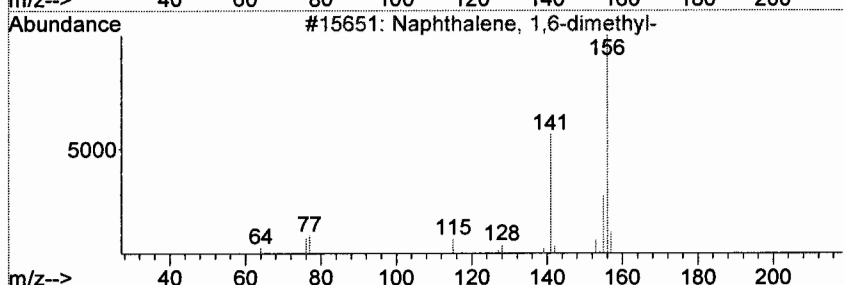
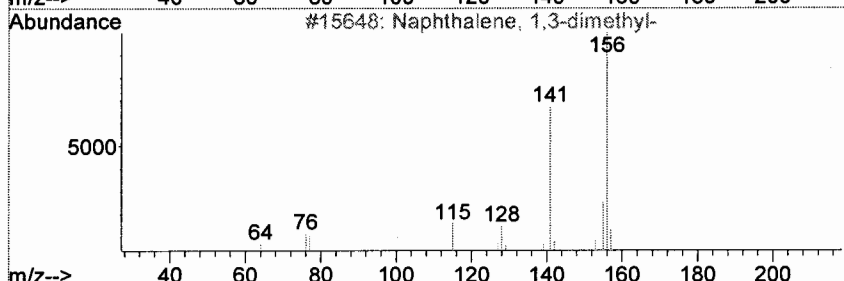
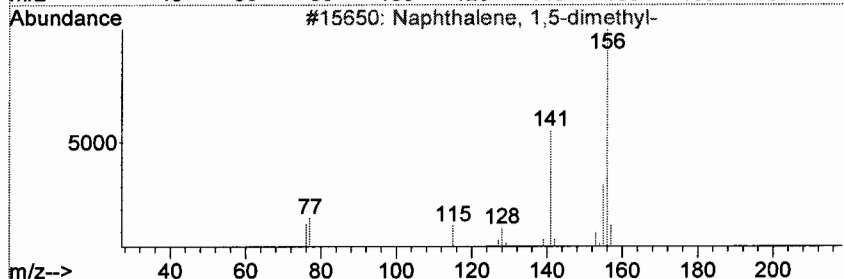
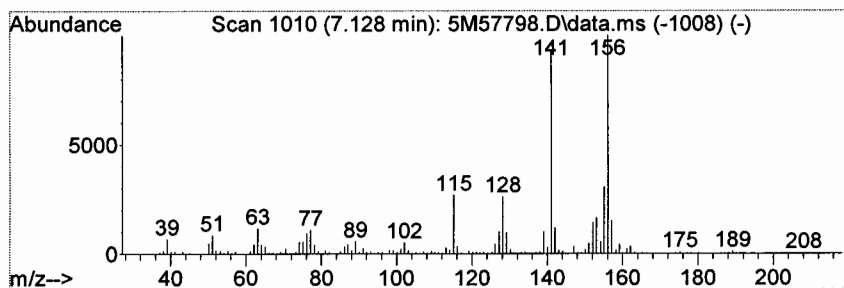
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TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 5 Naphthalene, 1,5-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.13	51.15 ng	447412	LibIS-Naphthalene-d8	6.07

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	98
2		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
3		Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
4		Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	96
5		Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95



Library Search Compound Report

Data Path : G:\GcMSData\2010\GCMS_5\Data\05-1210\
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 Sample : AC51387-006(20X)
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 ALS Vial : 30 Sample Multiplier: 1

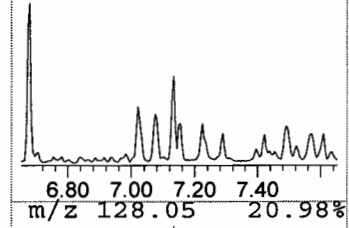
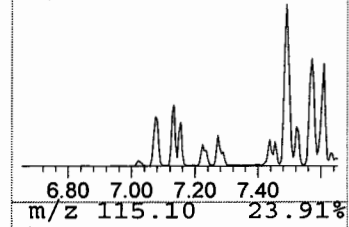
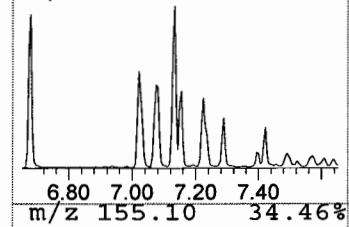
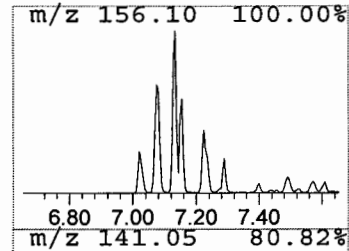
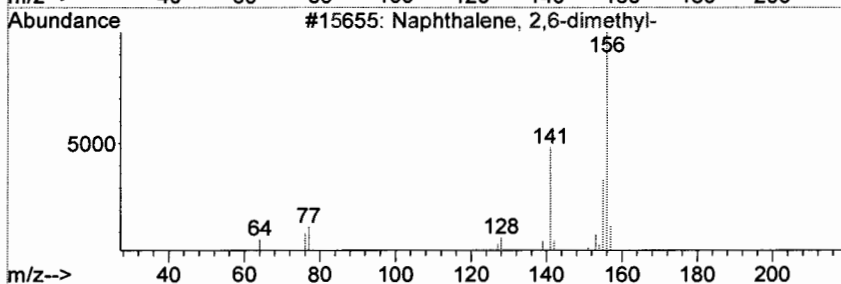
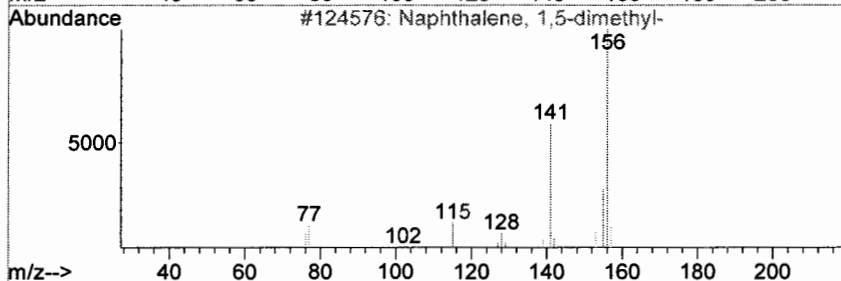
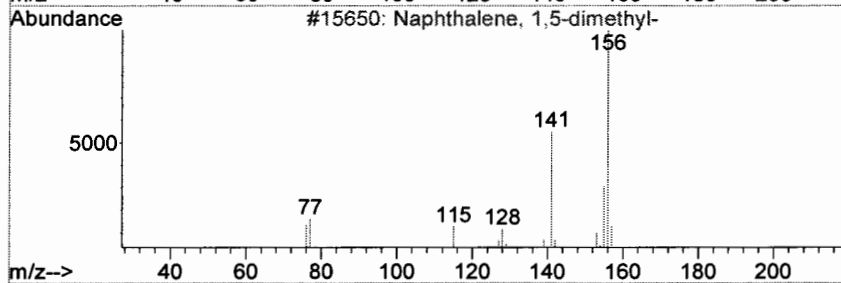
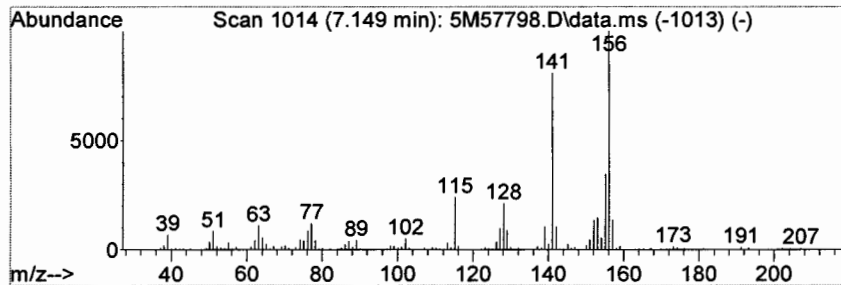
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TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 6 Naphthalene, 1,5-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.15	27.13 ng	237300	LibIS-Naphthalene-d8	6.07

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
2		Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	95
3		Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	95
4		Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	95
5		Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_5\Data\05-1210\
 Data File : 5M57798.D
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 Operator : AHD
 Sample : AC51387-006(20X)
 Misc : S,BNA:30
 ALS Vial : 30 Sample Multiplier: 1

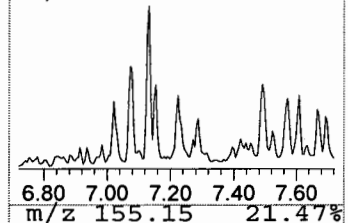
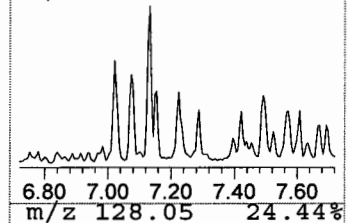
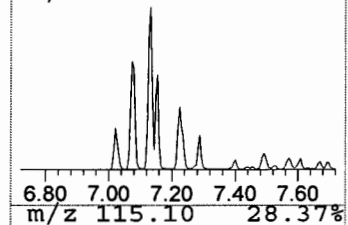
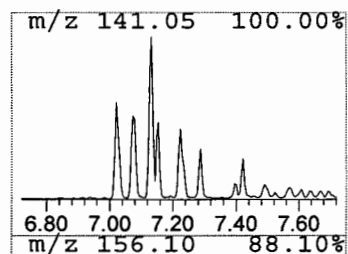
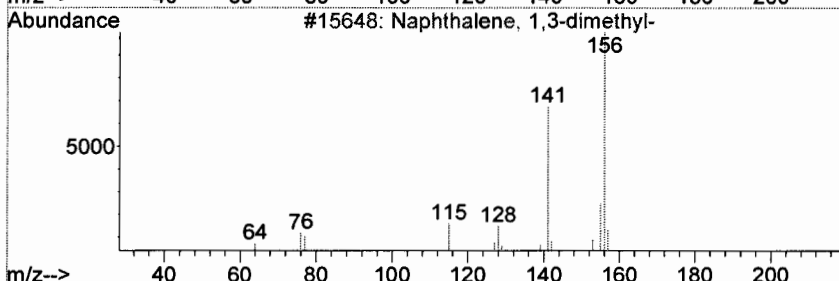
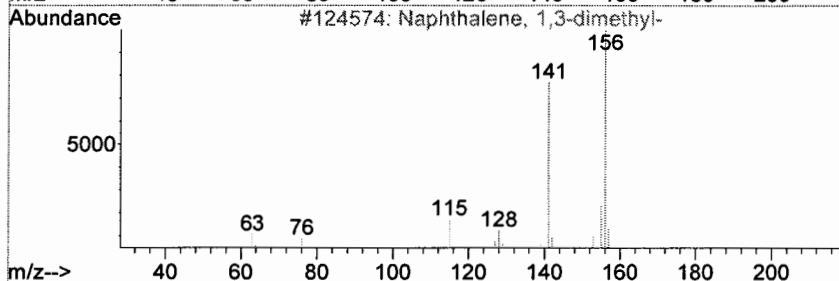
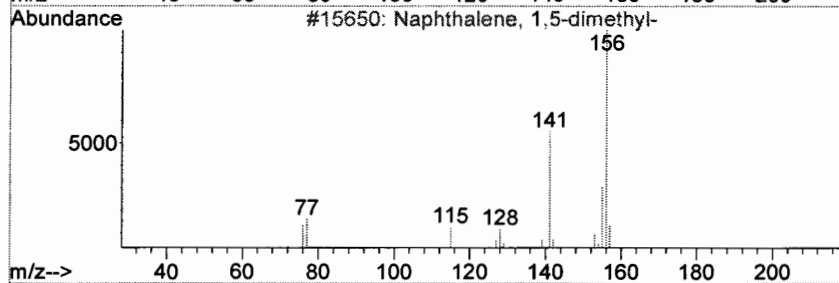
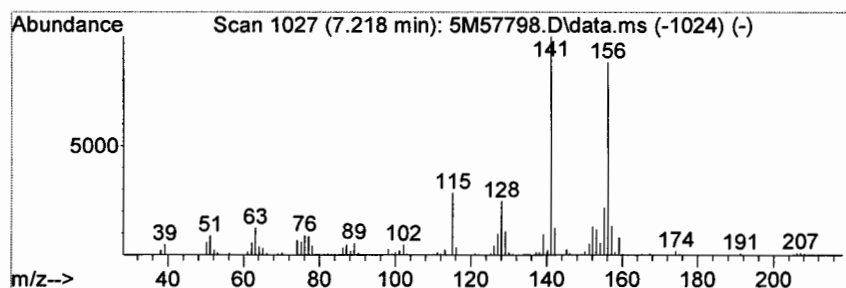
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TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 7 Naphthalene, 1,5-dimethyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.22	22.91 ng	200374	LibIS-Naphthalene-d8	6.07

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	96
2			Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
3			Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
4			Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	95
5			Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	94



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_5\Data\05-1210\
 Data File : 5M57798.D
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 Operator : AHD
 Sample : AC51387-006 (20X)
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 ALS Vial : 30 Sample Multiplier: 1

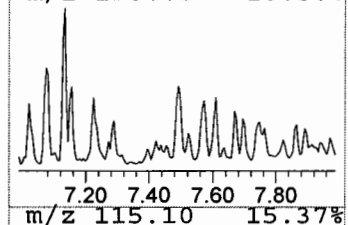
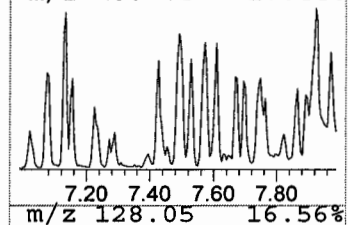
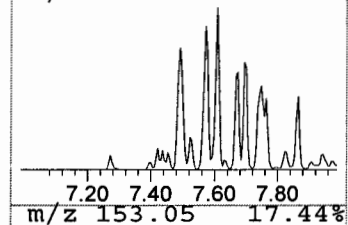
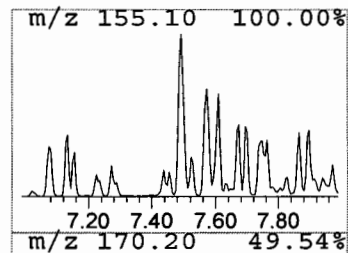
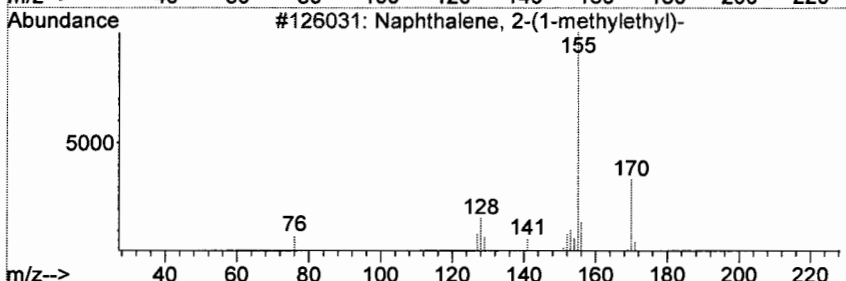
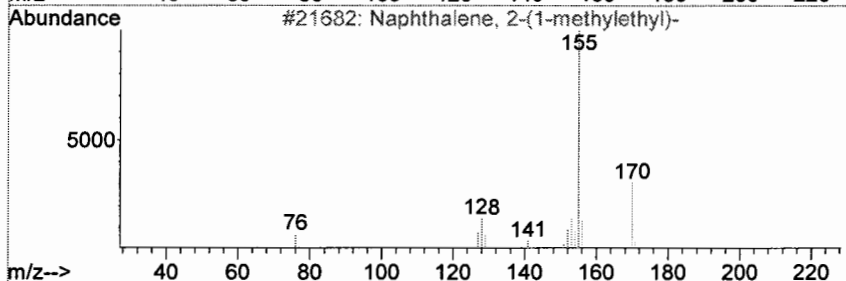
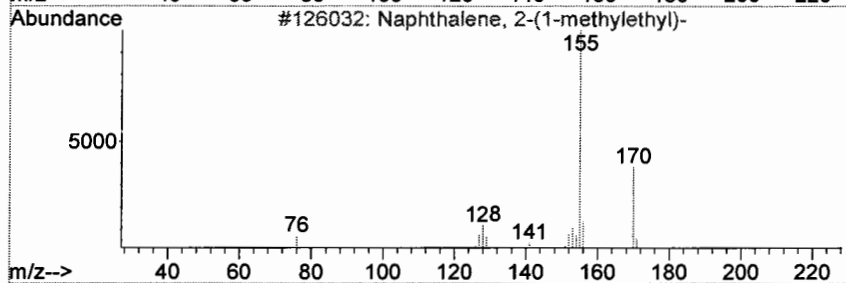
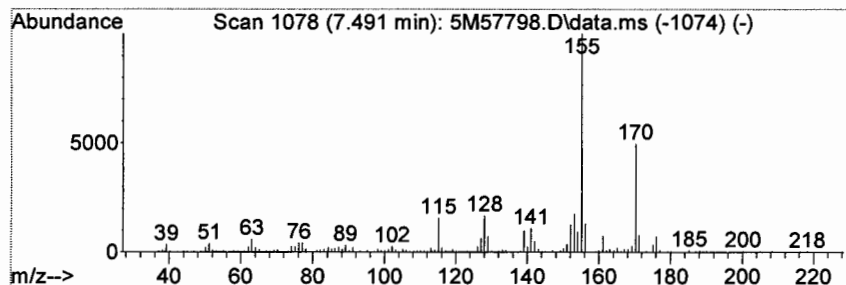
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TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 8 Naphthalene, 2-(1-methyleth... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.49	35.00 ng	333931	LibIS-Phenanthrene-d10	8.76

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	90
2			Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	90
3			Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	90
4			Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	89
5			9,9-Dimethyl-1,4-dihydro-1,4-met...	170	C13H14	018242-86-9	87



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_5\Data\05-1210\
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 Sample : AC51387-006(20X)
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 ALS Vial : 30 Sample Multiplier: 1

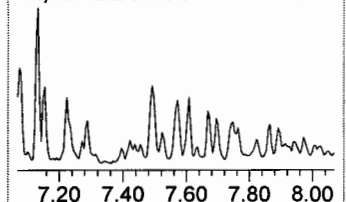
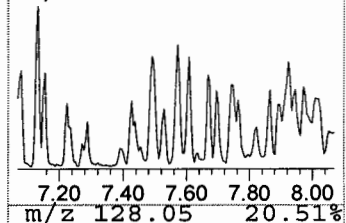
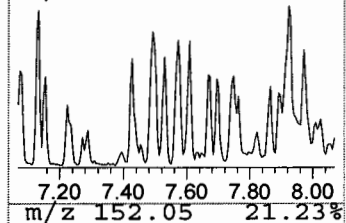
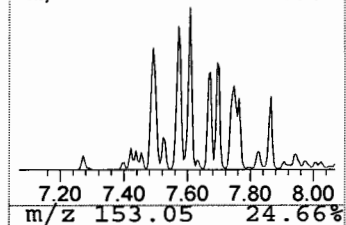
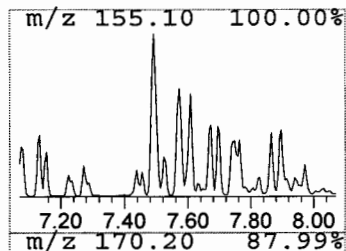
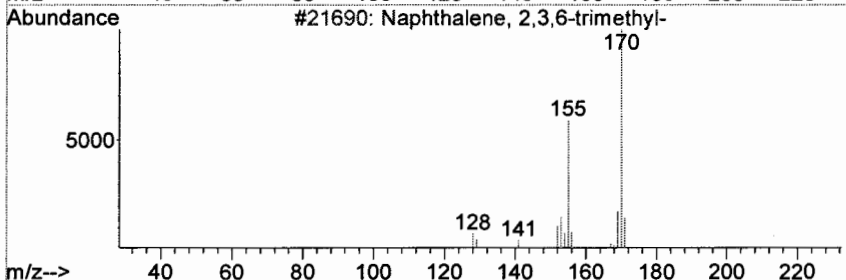
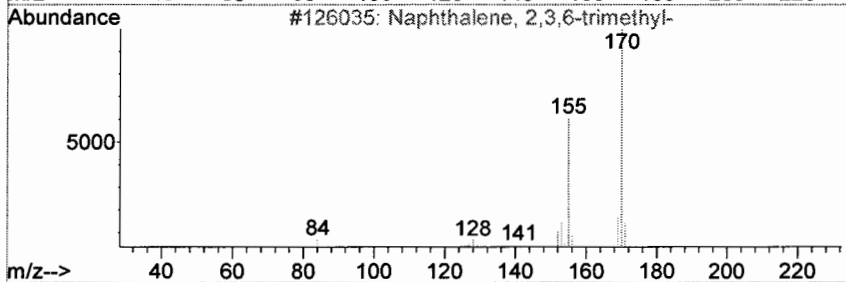
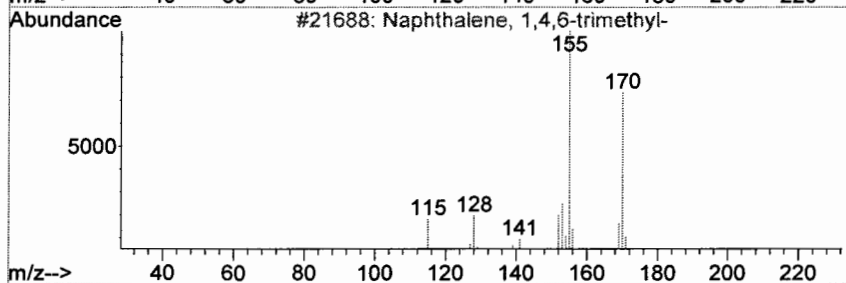
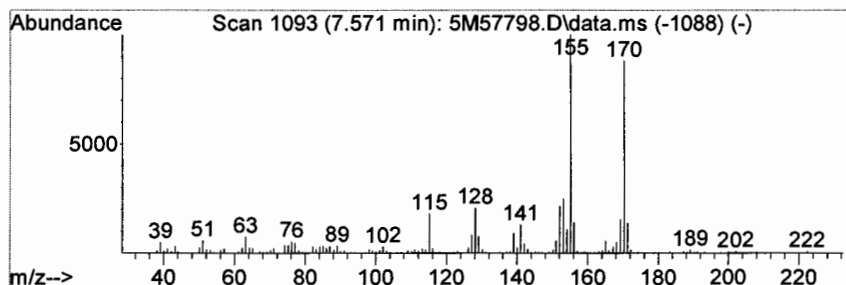
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TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 9 Naphthalene, 1,4,6-trimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.57	30.27 ng	288783	LibIS-Phenanthrene-d10	8.76

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	98
2			Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
3			Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	96
4			AZULENE, 2,4,6-TRIMETHYL-	170	C13H14	000000-00-0	94
5			Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	94



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_5\Data\05-1210\
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 ALS Vial : 30 Sample Multiplier: 1

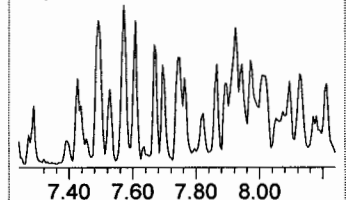
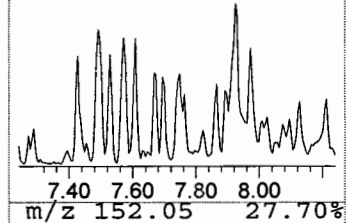
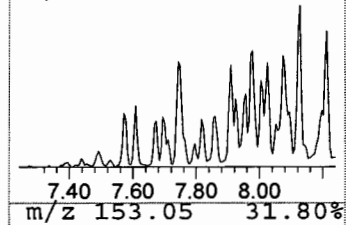
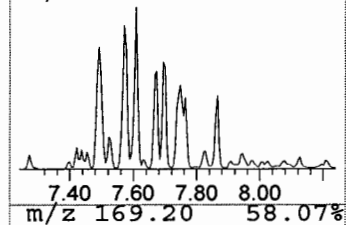
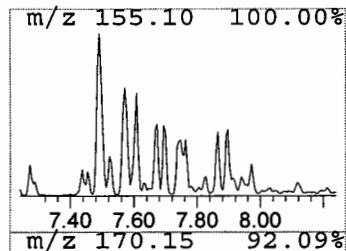
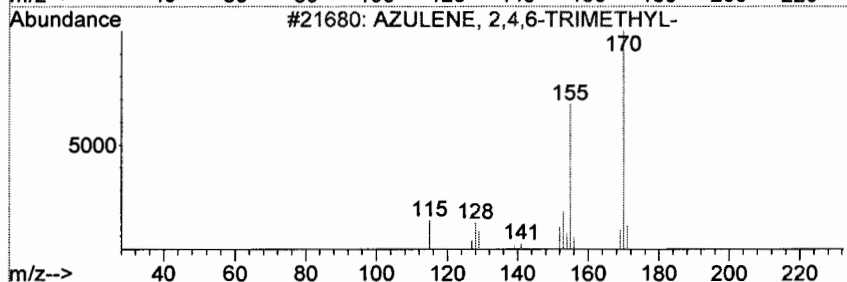
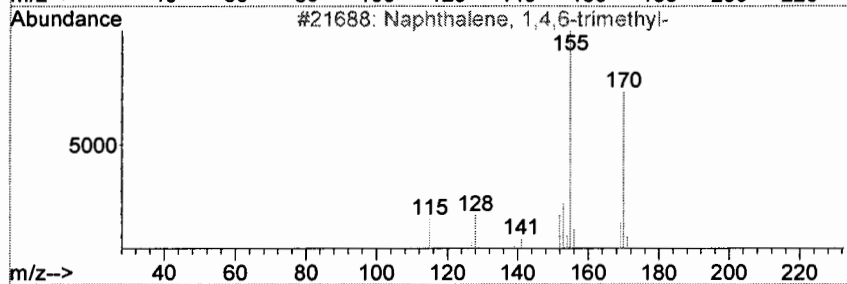
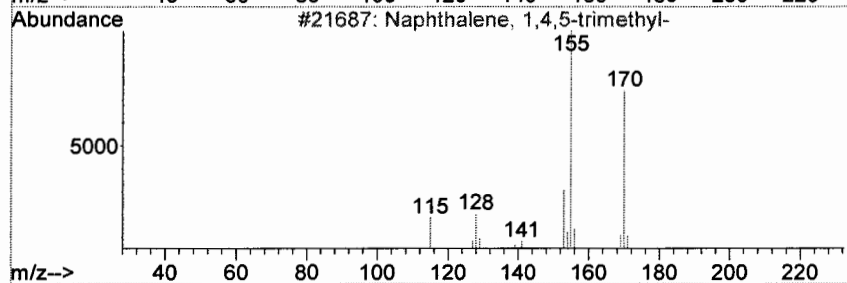
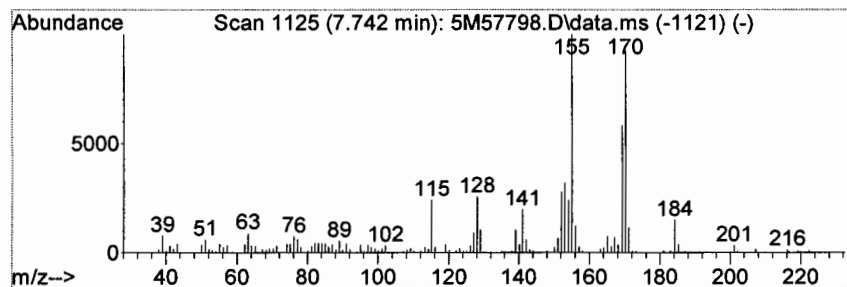
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TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 10 Naphthalene, 1,4,5-trimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.74	24.48 ng	233518	LibIS-Phenanthrene-d10	8.76

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	96
2			Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	94
3			AZULENE, 2,4,6-TRIMETHYL-	170	C13H14	000000-00-0	76
4			Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	70
5			Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	70



Library Search Compound Report

Data Path : G:\GCMSData\2010\GCMS_5\Data\05-1210\
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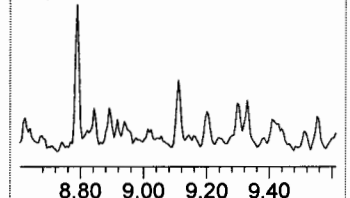
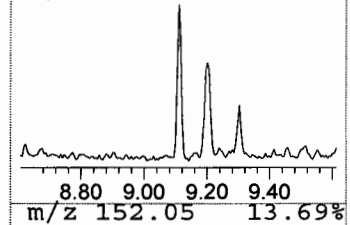
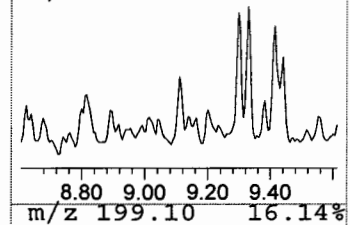
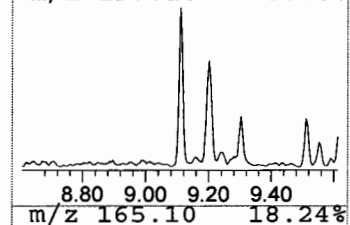
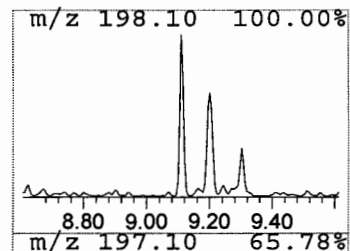
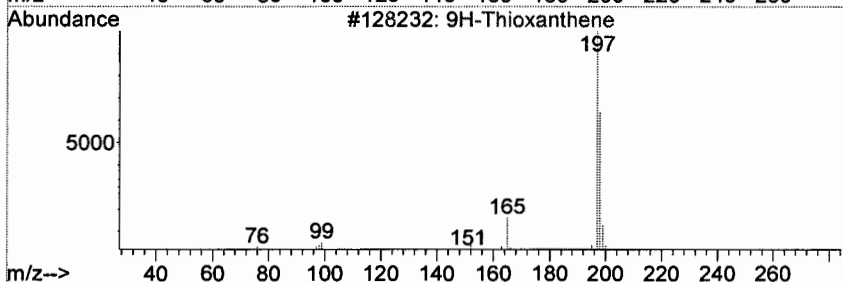
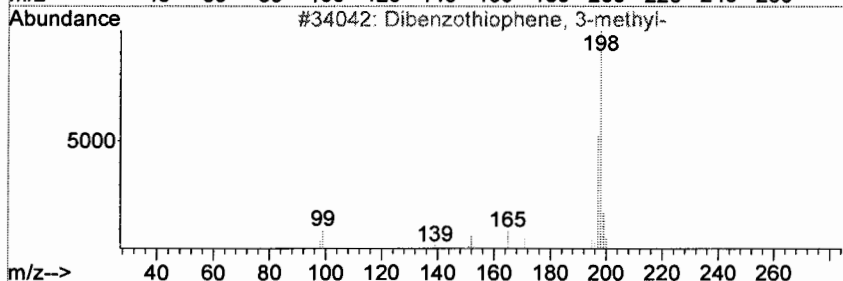
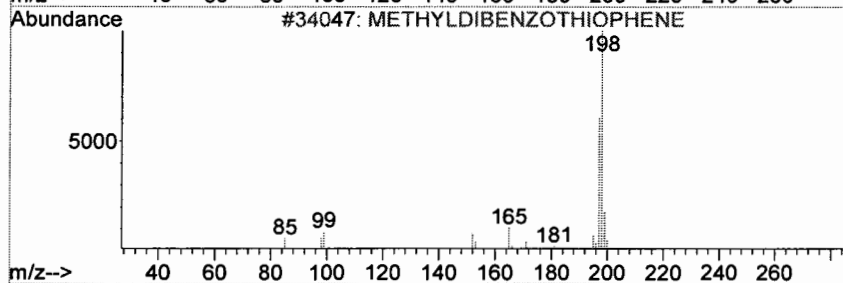
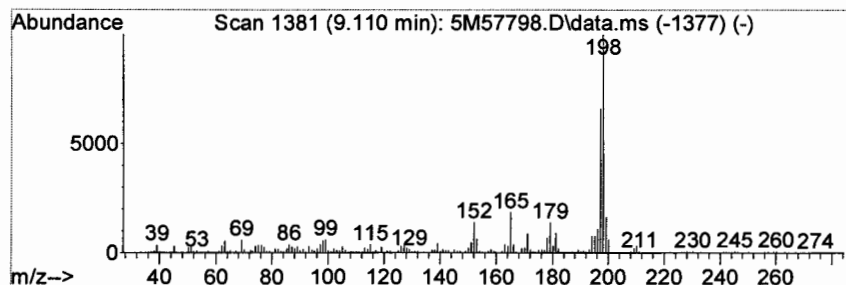
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TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 11 METHYLDIBENZOTHIOPHENE Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.11	26.40 ng	251889	LibIS-Phenanthrene-d10	8.76

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			METHYLDIBENZOTHIOPHENE	198	C13H10S	030995-64-3	96
2			Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	93
3			9H-Thioxanthene	198	C13H10S	000261-31-4	92
4			Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	81
5			Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	81



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_5\Data\05-1210\
 Data File : 5M57798.D
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 Operator : AHD
 Sample : AC51387-006(20X)
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 ALS Vial : 30 Sample Multiplier: 1

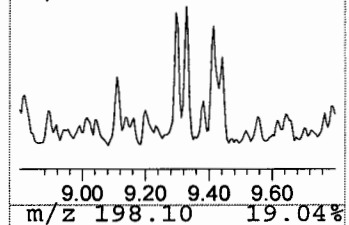
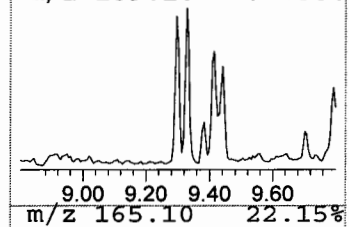
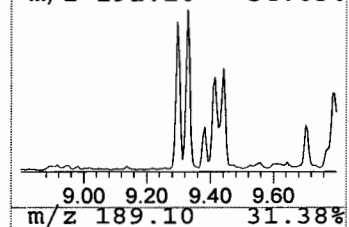
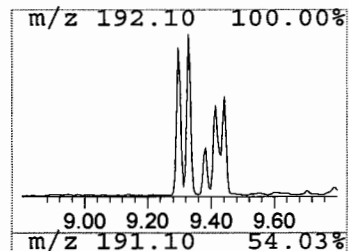
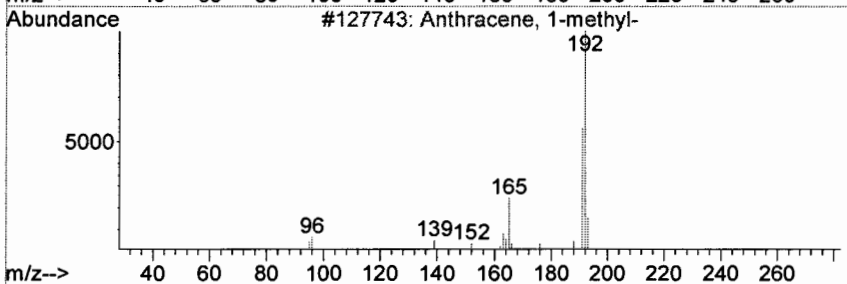
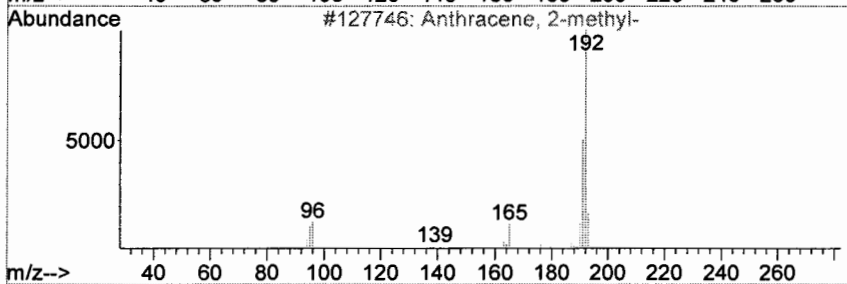
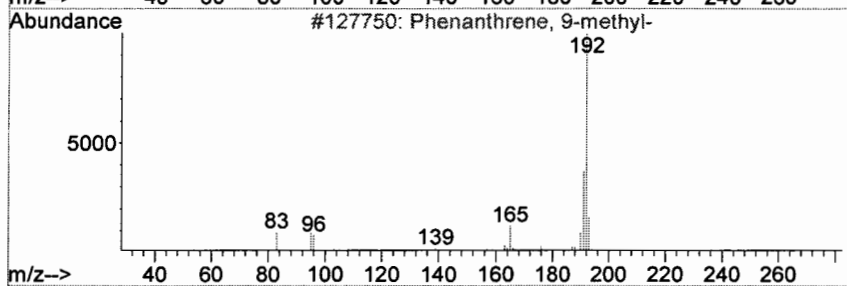
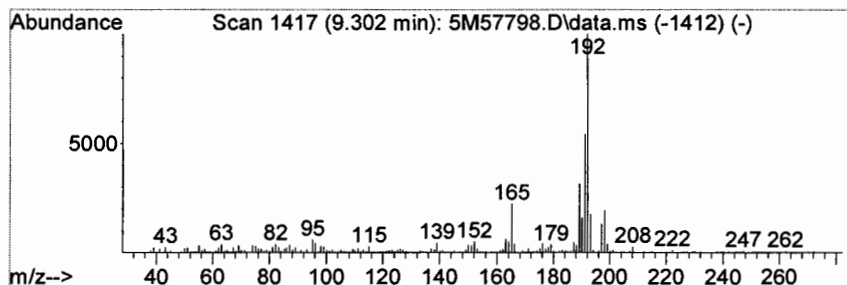
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TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 12 Phenanthrene, 9-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.30	41.06 ng	391657	LibIS-Phenanthrene-d10	8.76

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	93
2			Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
3			Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
4			Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	89
5			1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	81



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_5\Data\05-1210\
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 Operator : AHD
 Sample : AC51387-006(20X)
 Misc : S,BNA:30
 ALS Vial : 30 Sample Multiplier: 1

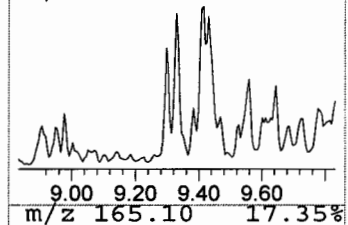
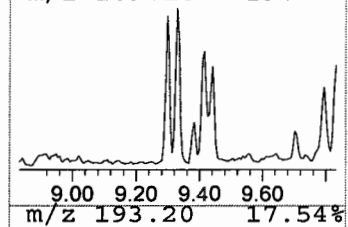
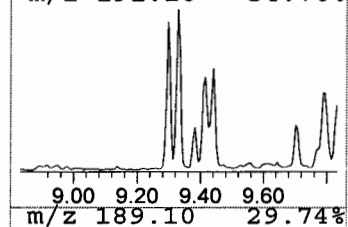
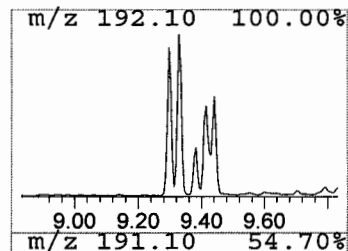
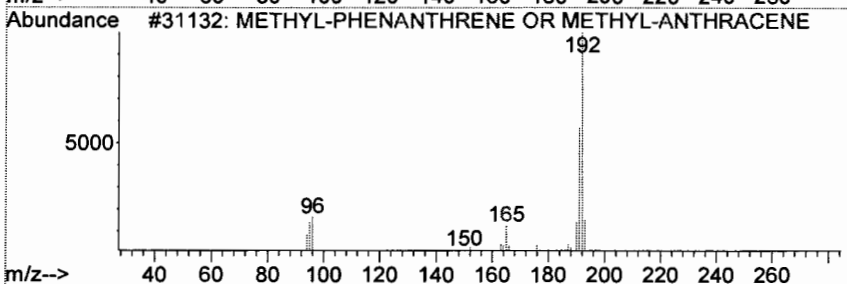
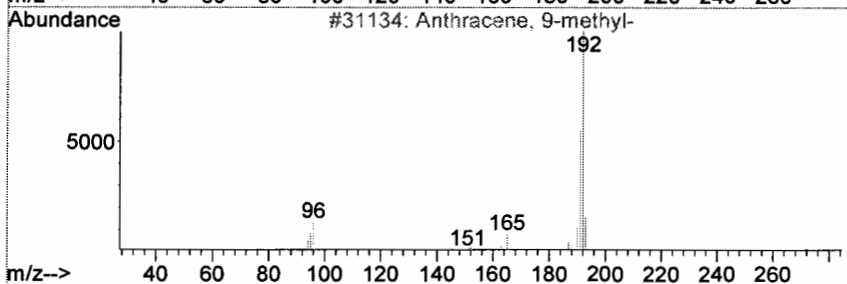
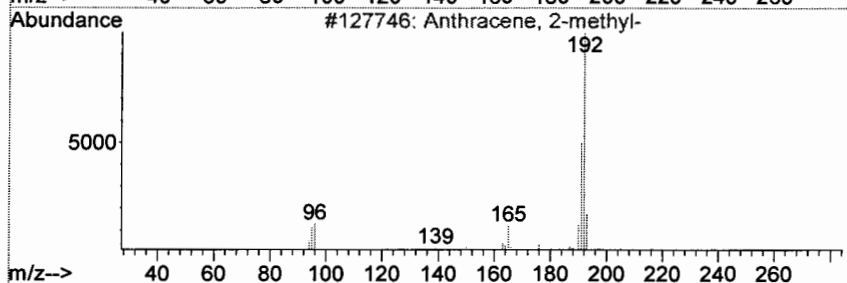
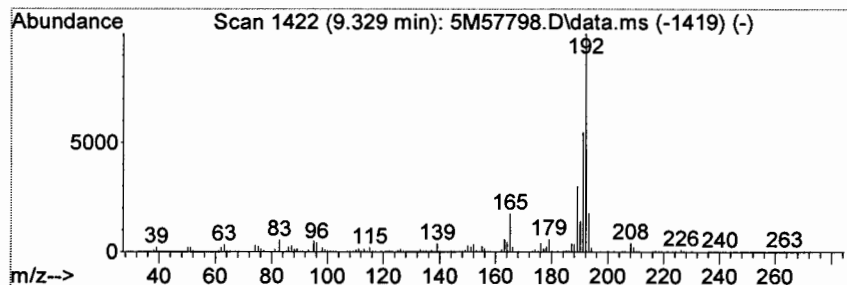
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TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 13 Anthracene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.33	46.11 ng	439858	LibIS-Phenanthrene-d10	8.76

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
2			Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
3			METHYL-PHENANTHRENE OR METHYL-AN...	192	C15H12	000610-48-0	91
4			Anthracene, 2-methyl-	192	C15H12	000613-12-7	89
5			1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	87



Library Search Compound Report

Data Path : G:\GCMSData\2010\GCMS_5\Data\05-1210\
 Data File : 5M57798.D
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 Operator : AHD
 Sample : AC51387-006(20X)
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 ALS Vial : 30 Sample Multiplier: 1

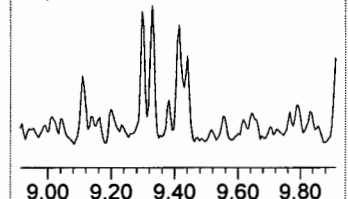
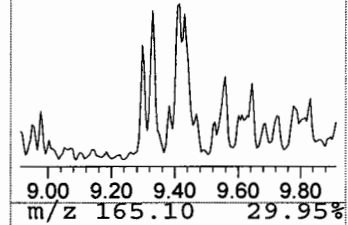
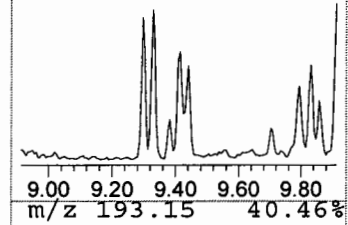
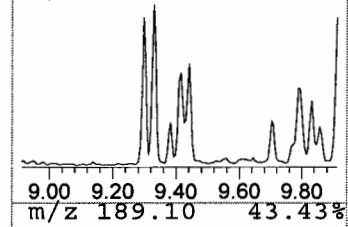
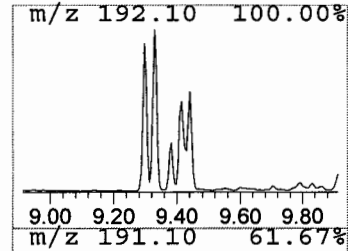
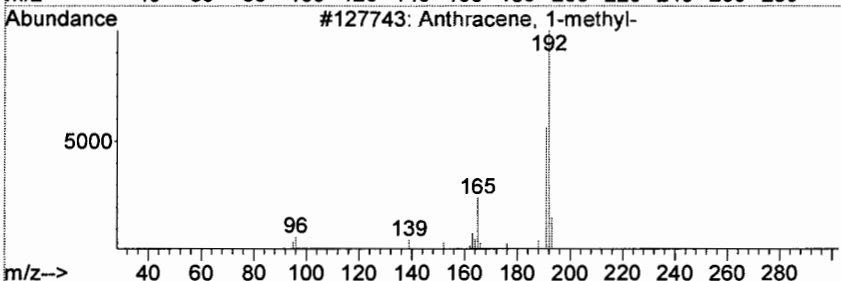
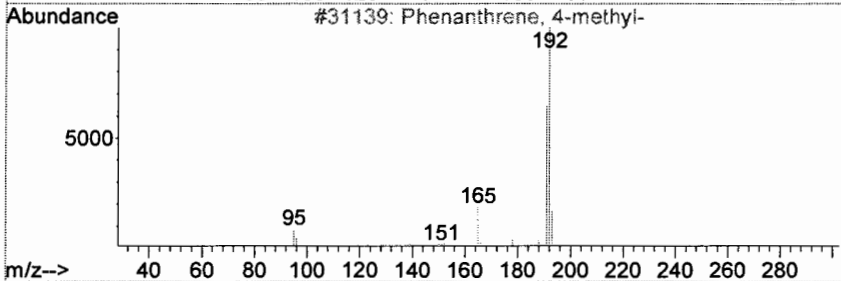
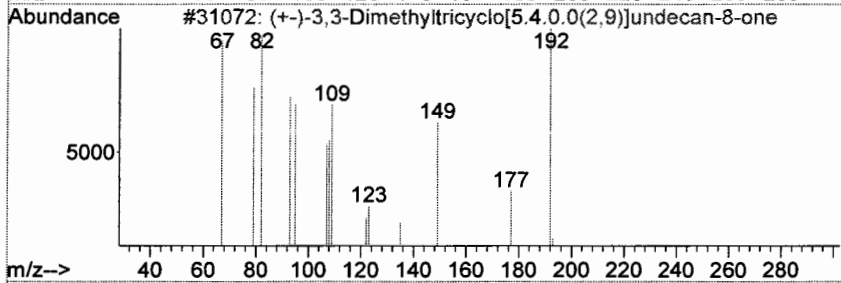
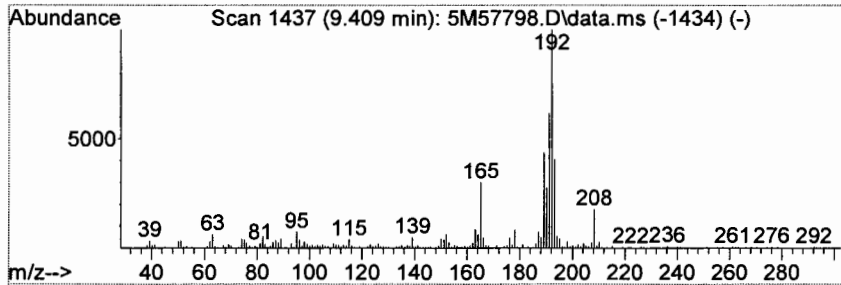
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TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 14 (+)-3,3-Dimethyltricyclo[5... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.41	34.91 ng	333059	LibIS-Phenanthrene-d10	8.76

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			(+)-3,3-Dimethyltricyclo[5.4.0....	192	C13H20O	057768-52-2	92
2			Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	91
3			Anthracene, 1-methyl-	192	C15H12	000610-48-0	83
4			1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	64
5			Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	60



Library Search Compound Report

Data Path : G:\GCMSData\2010\GCMS_5\Data\05-1210\
 Data File : 5M57798.D
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 Sample : AC51387-006(20X)
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 ALS Vial : 30 Sample Multiplier: 1

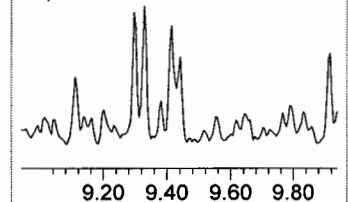
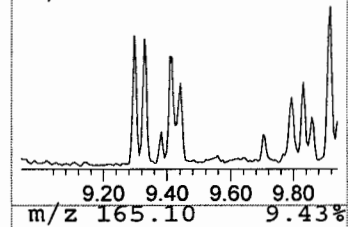
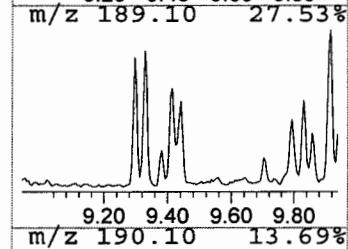
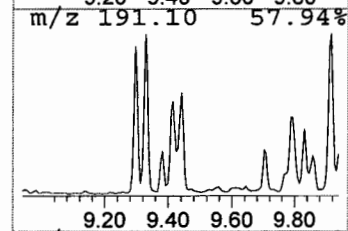
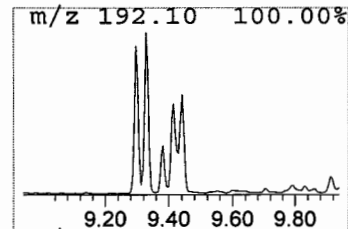
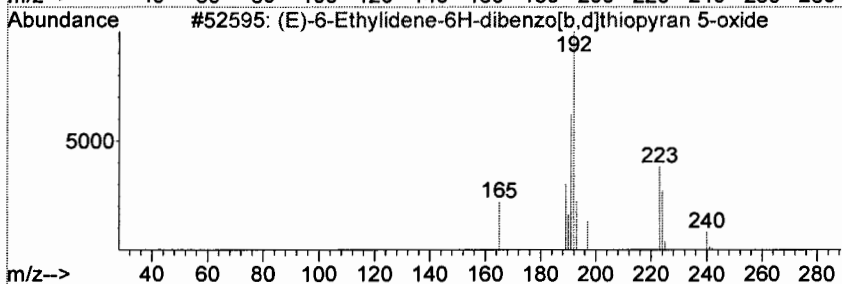
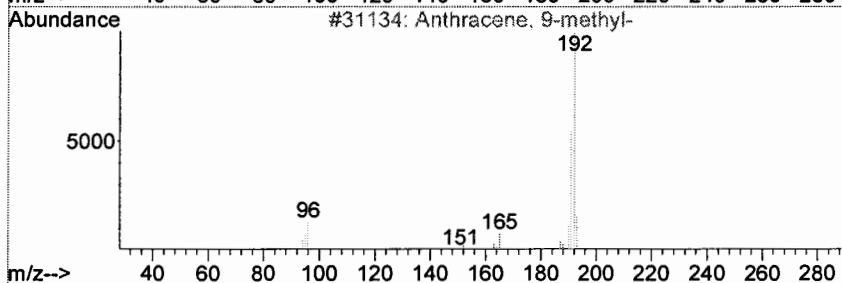
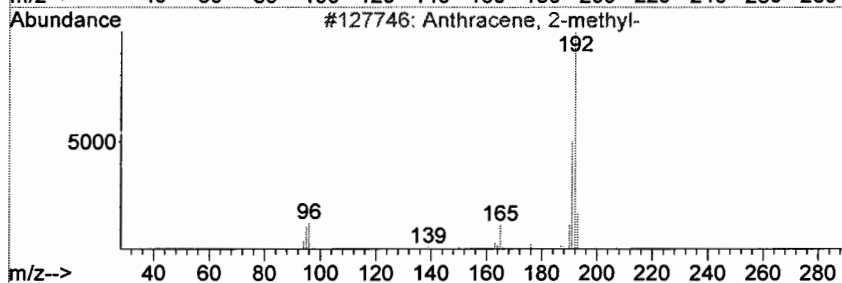
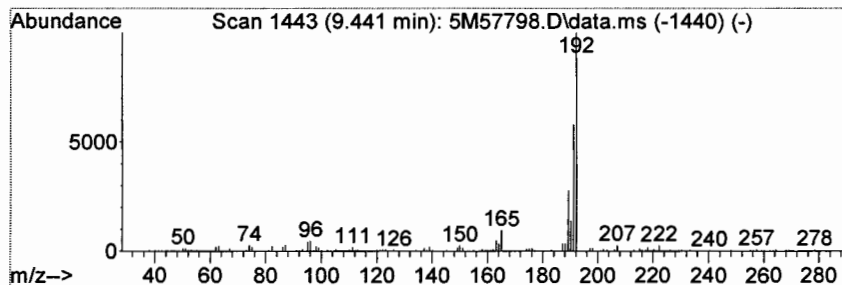
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TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 15 Anthracene, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.44	26.70 ng	254668	LibIS-Phenanthrene-d10	8.76

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Anthracene, 2-methyl-	192	C15H12	000613-12-7	87
2			Anthracene, 9-methyl-	192	C15H12	000779-02-2	87
3			(E)-6-Ethylidene-6H-dibenzo[b,d]...	240	C15H12OS	087221-28-1	83
4			METHYL-PHENANTHRENE OR METHYL-AN...	192	C15H12	000610-48-0	83
5			1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	72



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_5\Data\05-1210\
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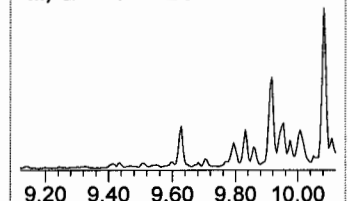
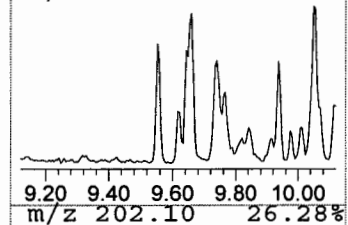
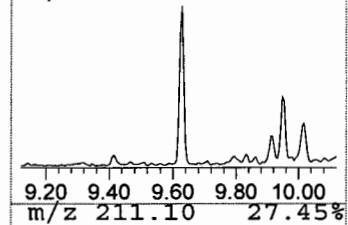
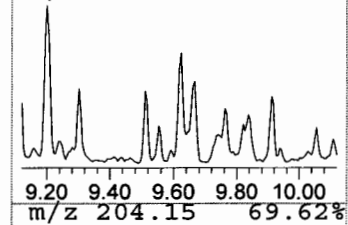
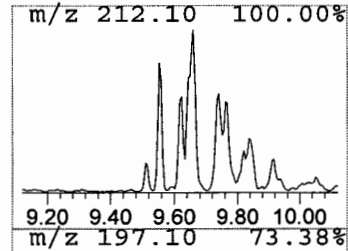
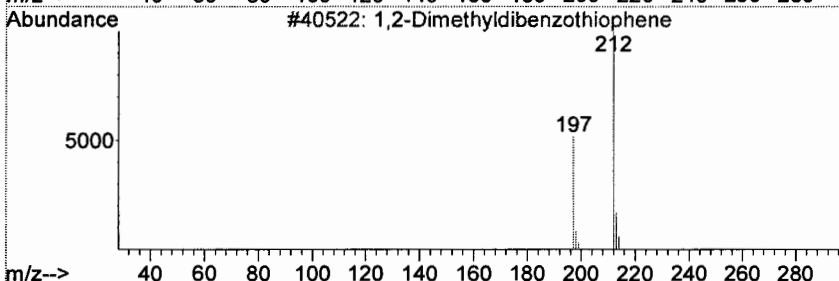
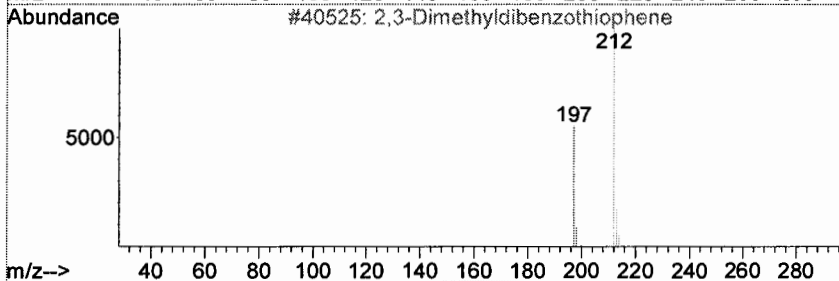
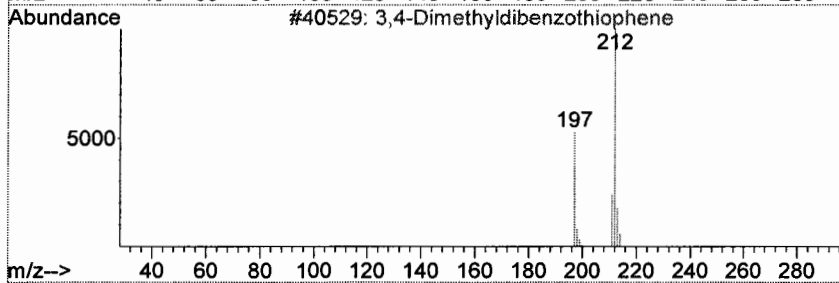
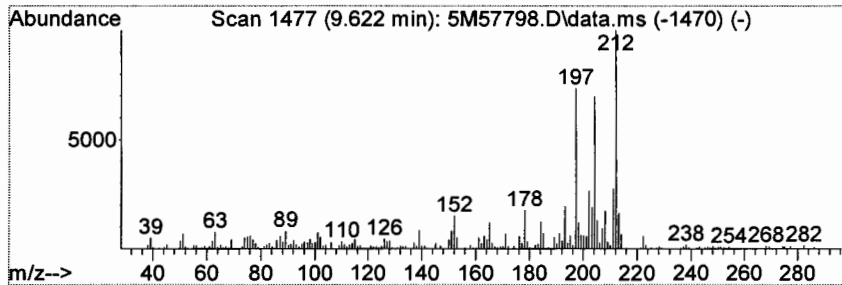
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TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 16 3,4-Dimethyldibenzothiophene Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.62	23.94 ng	228374	LibIS-Phenanthrene-d10	8.76

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			3,4-Dimethyldibenzothiophene	212	C14H12S	023654-30-0	58
2			2,3-Dimethyldibenzothiophene	212	C14H12S	031317-17-6	50
3			1,2-Dimethyldibenzothiophene	212	C14H12S	031317-14-3	50
4			2-Ethyldibenzothiophene	212	C14H12S	089816-98-8	49
5			3,5-Dimethylbispayridine	212	C14H16N2	000000-00-0	47



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_5\Data\05-1210\
 Data File : 5M57798.D
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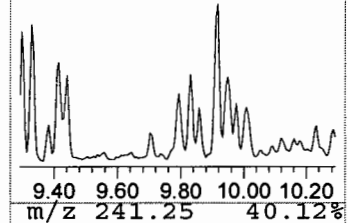
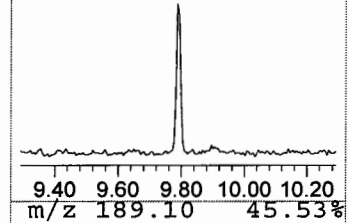
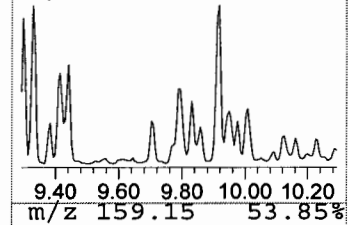
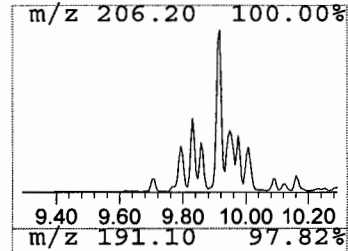
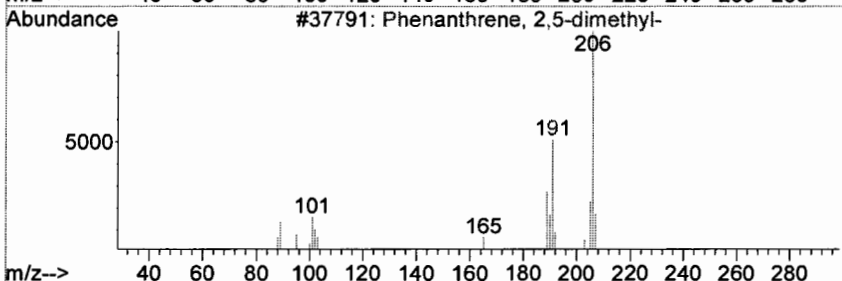
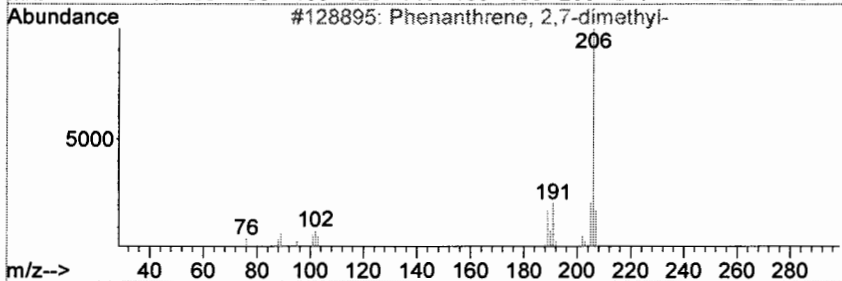
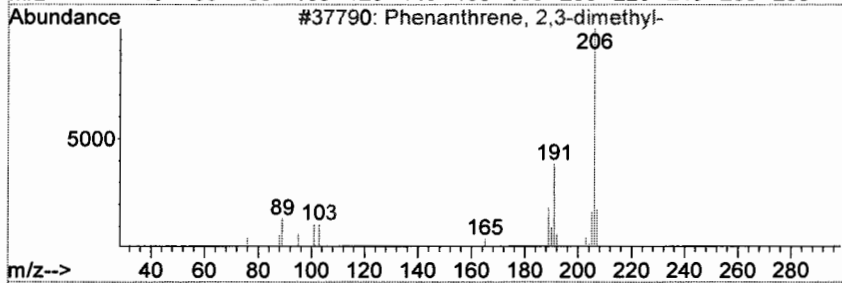
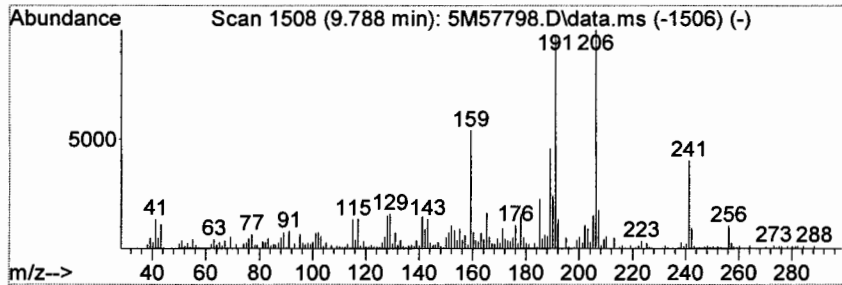
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 Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 17 Phenanthrene, 2,3-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.79	34.21 ng	326334	LibIS-Phenanthrene-d10	8.76

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
2			Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	76
3			Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	76
4			Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	76
5			INDENE, 2-METHYL-3-PHENYL-	206	C16H14	000000-00-0	64



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_5\Data\05-1210\
 Data File : 5M57798.D
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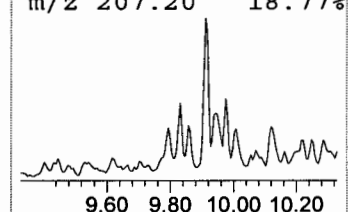
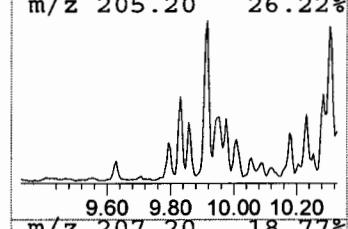
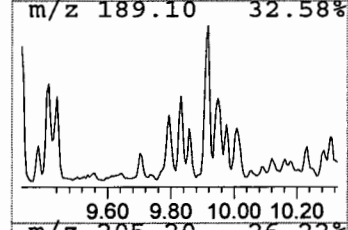
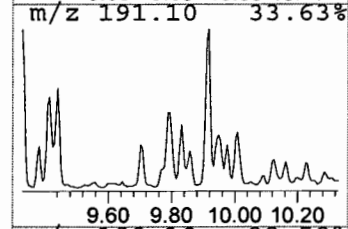
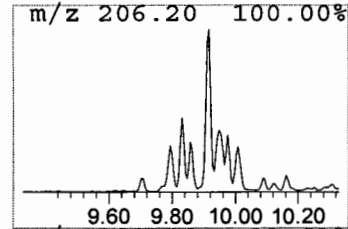
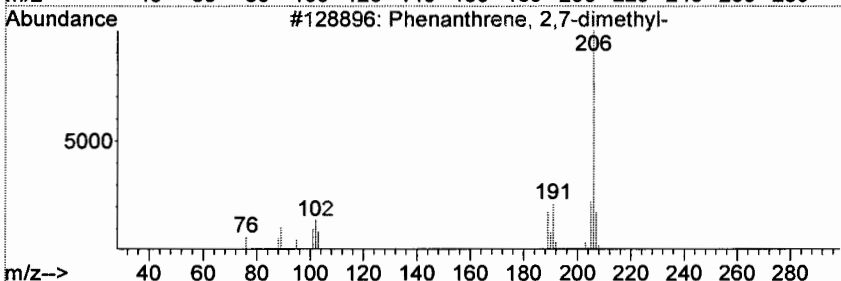
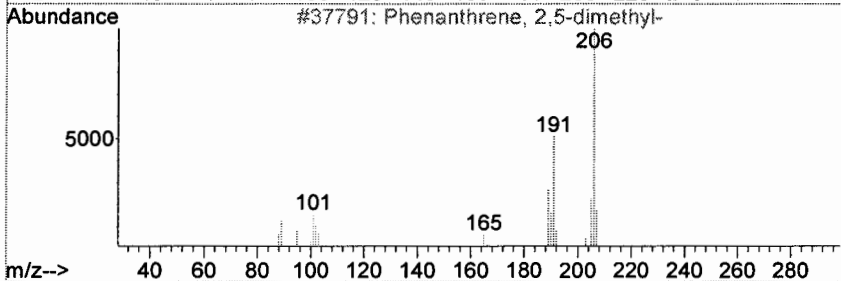
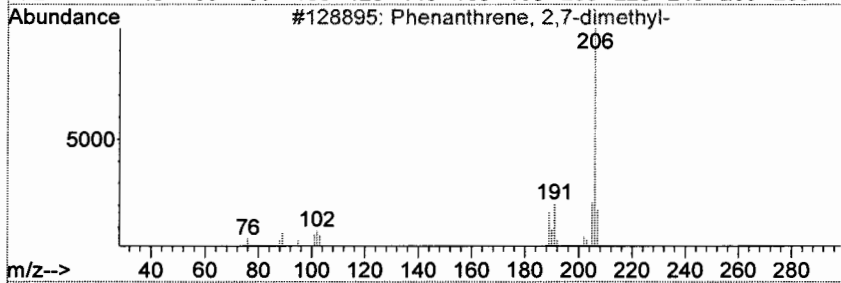
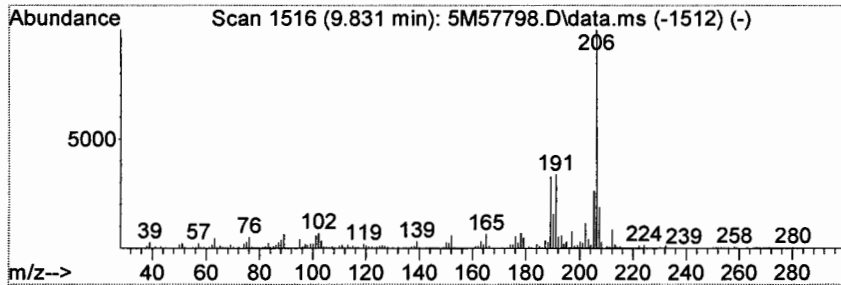
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 Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 18 Phenanthrene, 2,7-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.83	32.12 ng	306399	LibIS-Phenanthrene-d10	8.76

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	94
2			Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	91
3			Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90
4			Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
5			Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90



Library Search Compound Report

Data Path : G:\GCMSData\2010\GCMS_5\Data\05-1210\
 Data File : 5M57798.D
 Acq On : 13 May 2010 00:24
 Operator : AHD
 Sample : AC51387-006(20X)
 Misc : S,BNA:30
 ALS Vial : 30 Sample Multiplier: 1

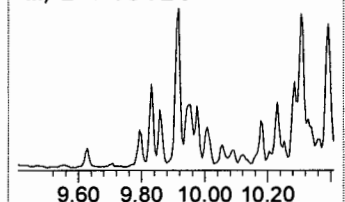
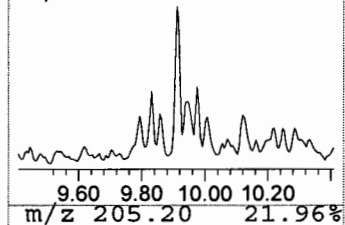
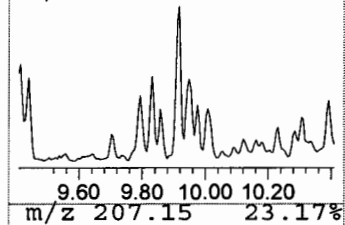
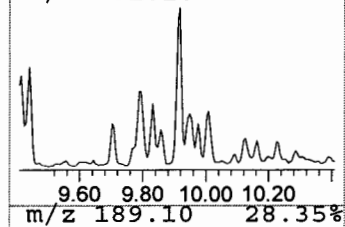
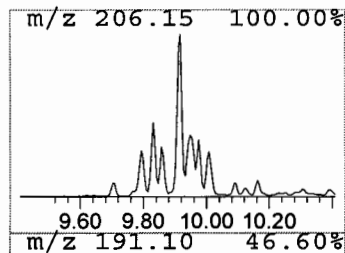
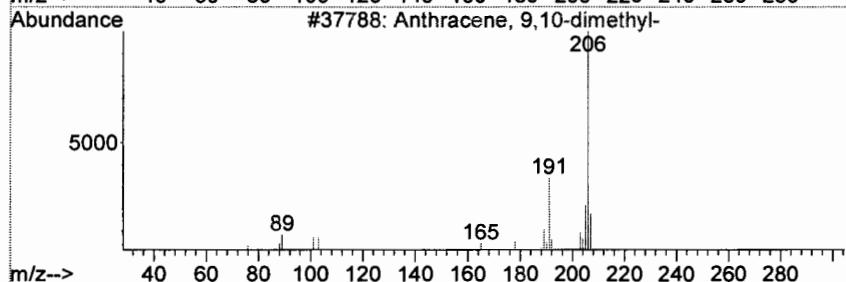
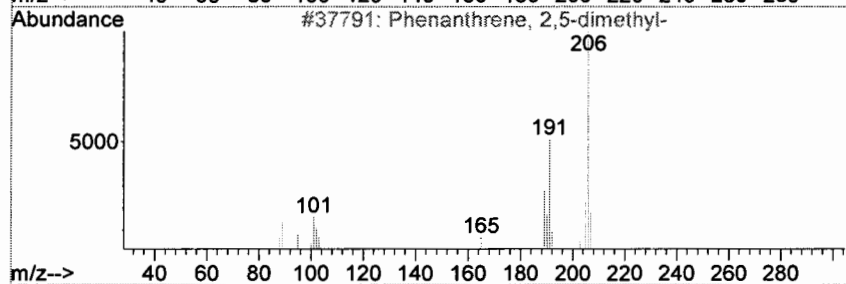
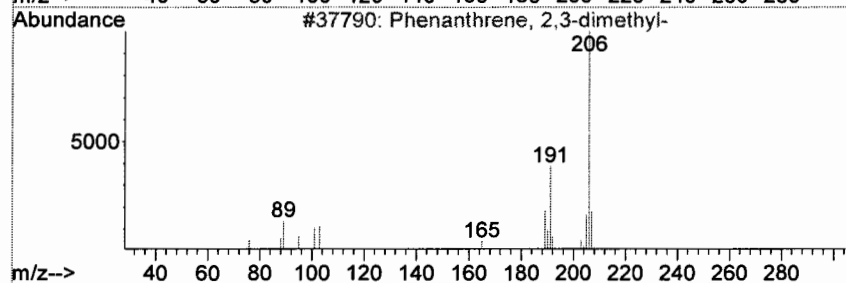
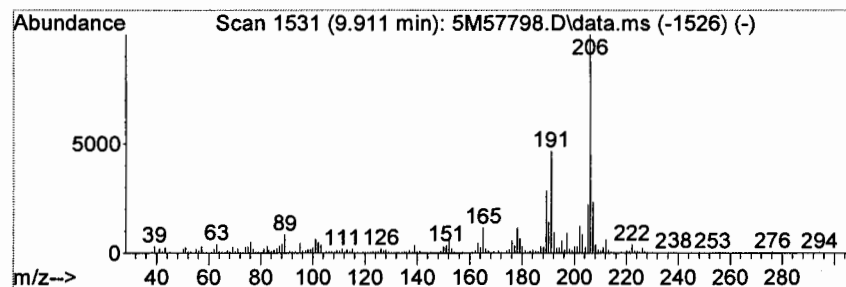
Quant Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0430.M
 Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 19 Phenanthrene, 2,3-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.91	72.74 ng	693893	LibIS-Phenanthrene-d10	8.76

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
2		Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
3		Anthracene, 9,10-dimethyl-	206	C16H14	000781-43-1	91
4		Anthracene, 9,10-dimethyl-	206	C16H14	000781-43-1	90
5		Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_5\Data\05-1210\
 Data File : 5M57798.D
 Acq On : 13 May 2010 00:24
 Operator : AHD
 Sample : AC51387-006(20X)
 Misc : S,BNA:30
 ALS Vial : 30 Sample Multiplier: 1

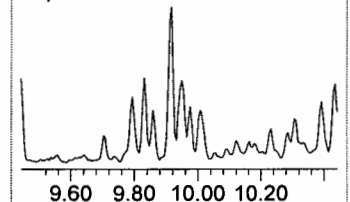
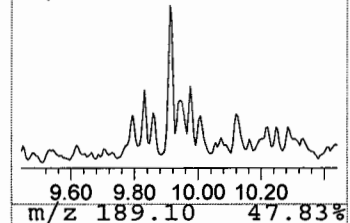
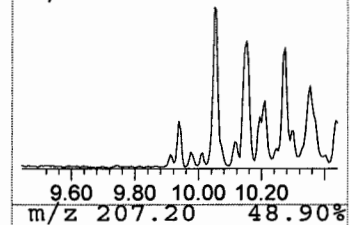
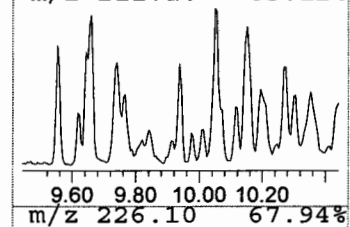
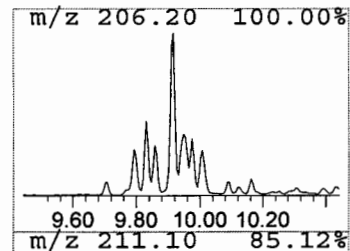
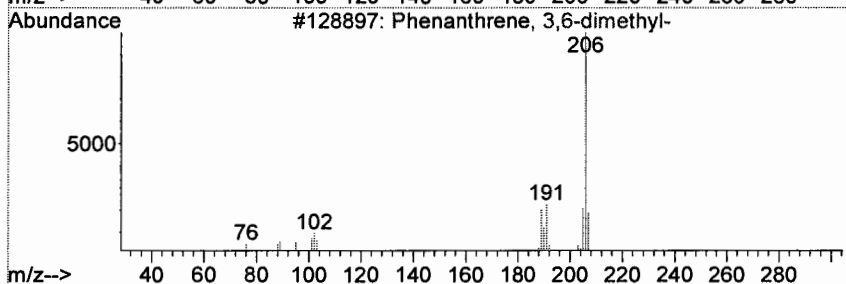
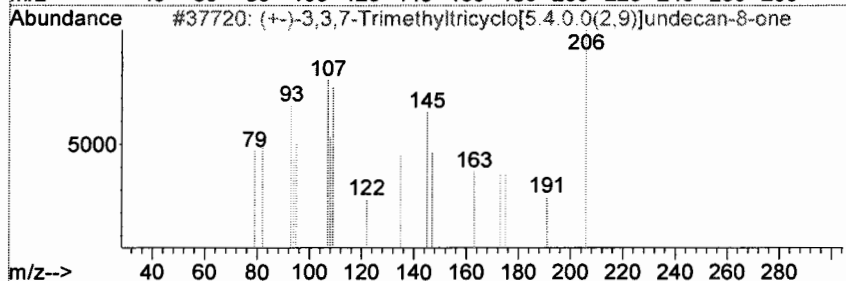
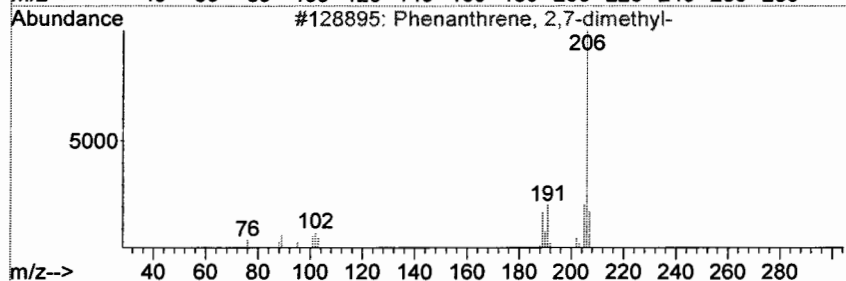
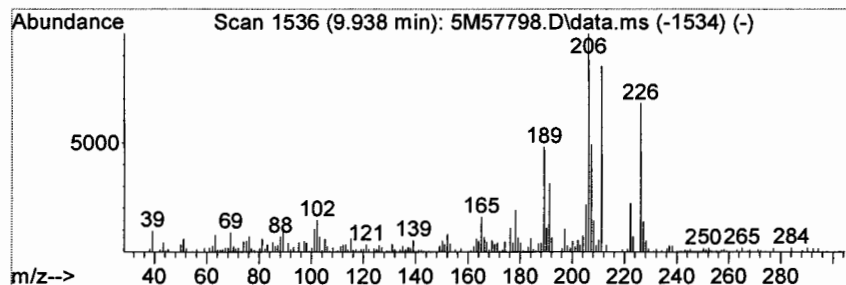
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 Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 20 Phenanthrene, 2,7-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.94	30.33 ng	289347	LibIS-Phenanthrene-d10	8.76

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	91
2			(+)-3,3,7-Trimethyltricyclo[5.4.0.0(2,9)]undecan-8-one	206	C14H22O	038647-26-6	86
3			Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	83
4			Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	78
5			Anthracene, 9,10-dimethyl-	206	C16H14	000781-43-1	64



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_5\Data\05-1210\
 Data File : 5M57798.D
 Acq On : 13 May 2010 00:24
 Operator : AHD
 Sample : AC51387-006 (20X)
 Misc : S,BNA:30
 ALS Vial : 30 Sample Multiplier: 1

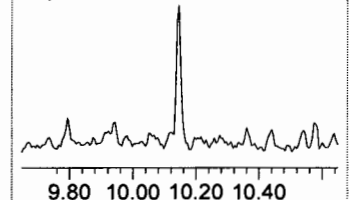
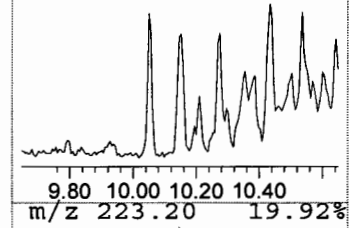
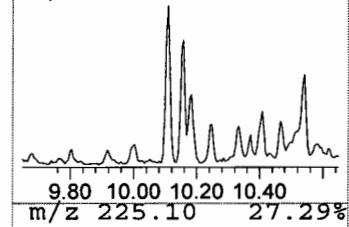
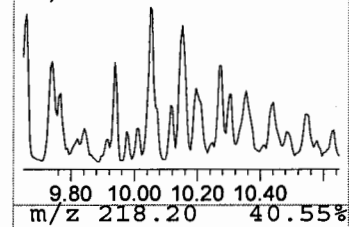
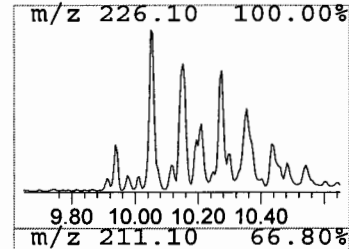
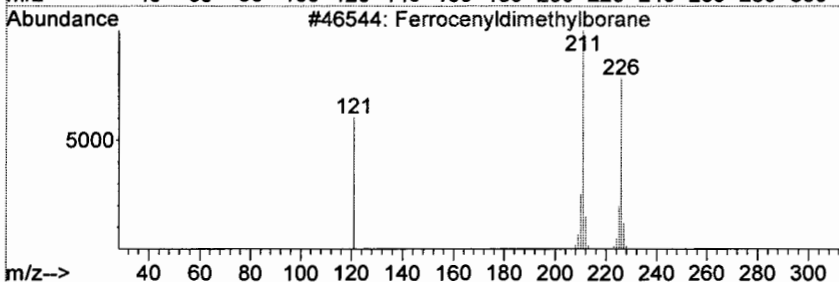
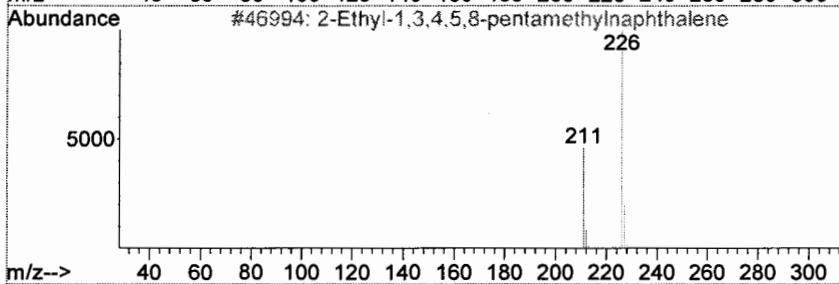
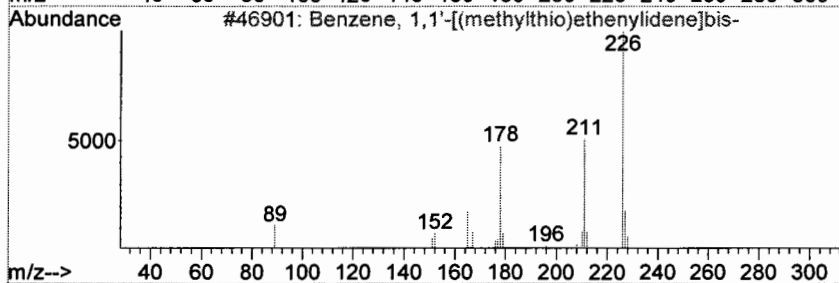
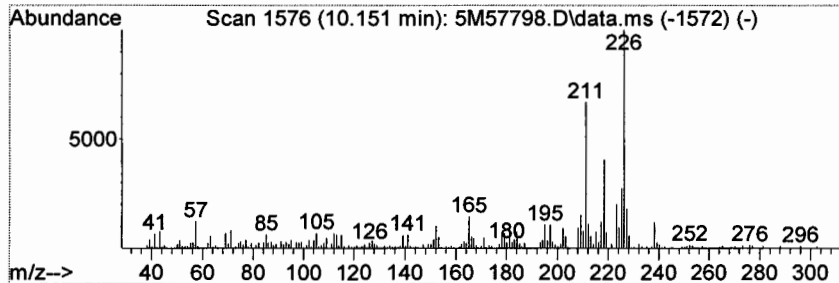
Quant Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0430.M
 Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 21 Benzene, 1,1'-[(methylthio)... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.15	23.99 ng	228863	LibIS-Phenanthrene-d10	8.76

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,1'-[(methylthio)ethen...	226	C15H14S	015096-10-3	55
2			2-Ethyl-1,3,4,5,8-pentamethylnap...	226	C17H22	071185-29-0	47
3			Ferrocenyldimethylborane	226	C12H15BFe	061649-69-2	47
4			9H-Xanthen-9-one, 4-methoxy-	226	C14H10O3	006702-58-5	38
5			9H-Xanthen-9-one, 2-methoxy-	226	C14H10O3	001214-20-6	38



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_5\Data\05-1210\
 Data File : 5M57798.D
 Acq On : 13 May 2010 00:24
 Operator : AHD
 Sample : AC51387-006 (20X)
 Misc : S,BNA:30
 ALS Vial : 30 Sample Multiplier: 1

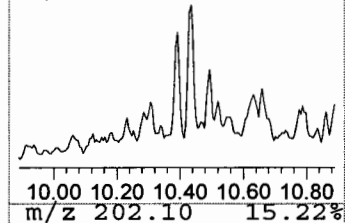
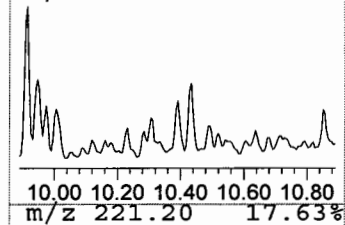
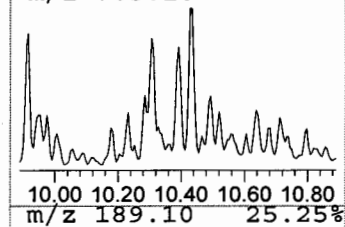
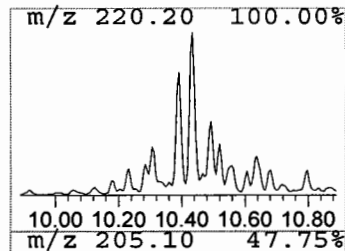
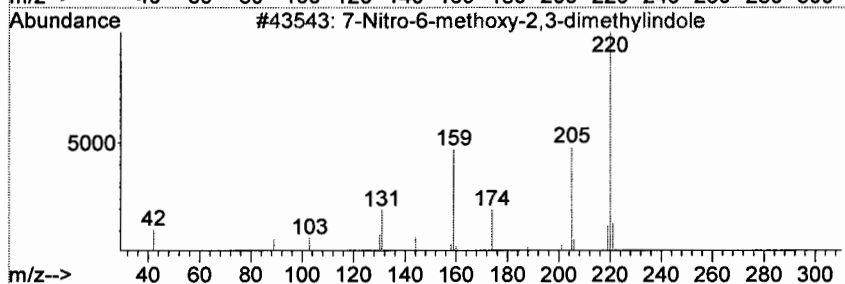
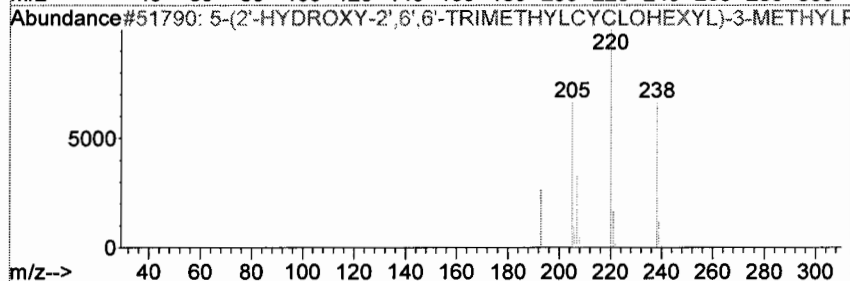
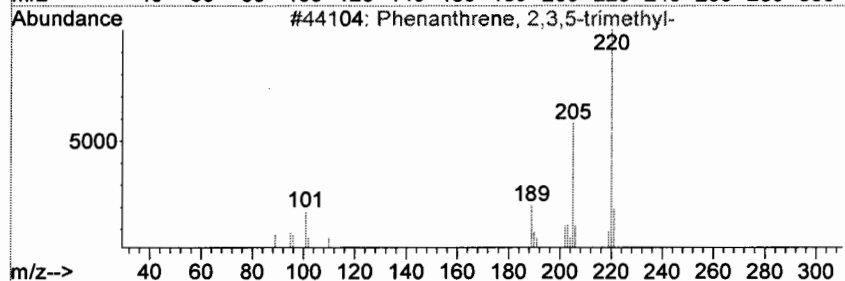
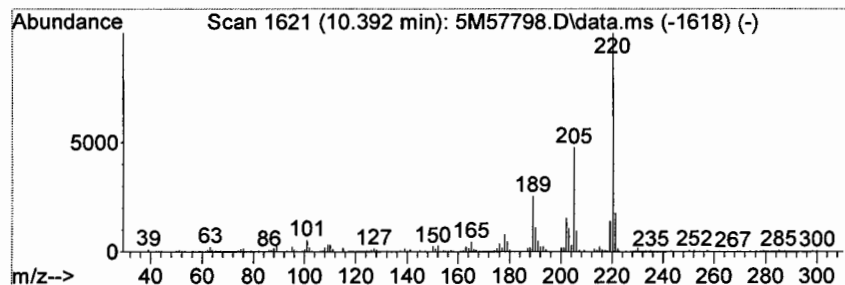
Quant Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0430.M
 Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 22 Phenanthrene, 2,3,5-trimethyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.39	22.25 ng	212288	LibIS-Phenanthrene-d10	8.76

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2,3,5-trimethyl-	220	C17H16	003674-73-5	93
2			5-(2'-HYDROXY-2',6',6'-TRIMETHYL...	238	C15H26O2	069774-17-0	64
3			7-Nitro-6-methoxy-2,3-dimethylin...	220	C11H12N2O3	068289-71-4	59
4			2,4-BIS(T-BUTYLMETHYLENE)CYCLOBU...	220	C14H20O2	053942-74-8	58
5			3,4'-DIFLUORO-4-METHOXYBIPHENYL	220	C13H10F2O	000000-00-0	58



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_5\Data\05-1210\
 Data File : 5M57798.D
 Acq On : 13 May 2010 00:24
 Operator : AHD
 Sample : AC51387-006(20X)
 Misc : S,BNA:30
 ALS Vial : 30 Sample Multiplier: 1

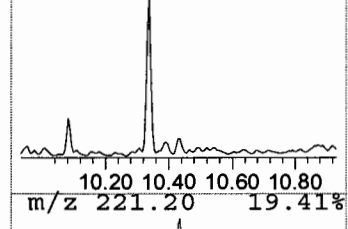
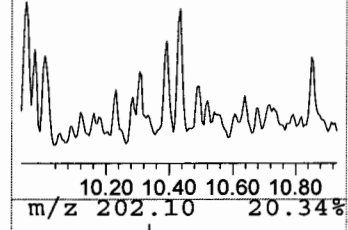
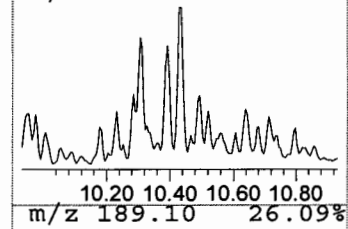
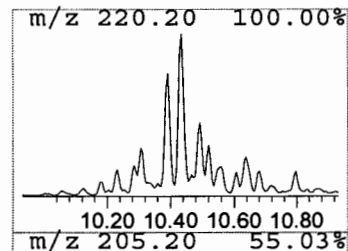
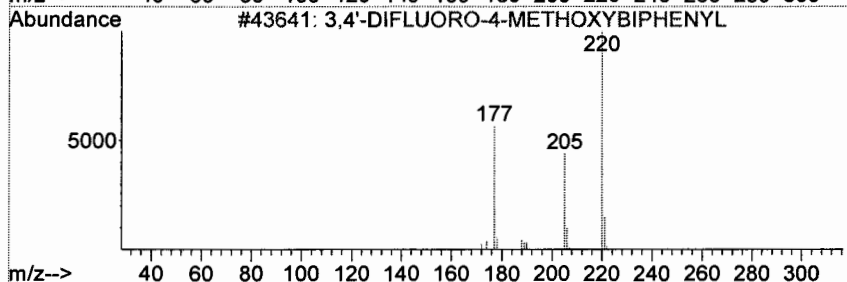
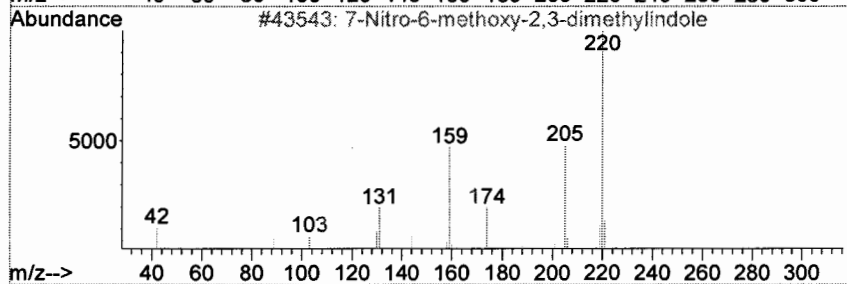
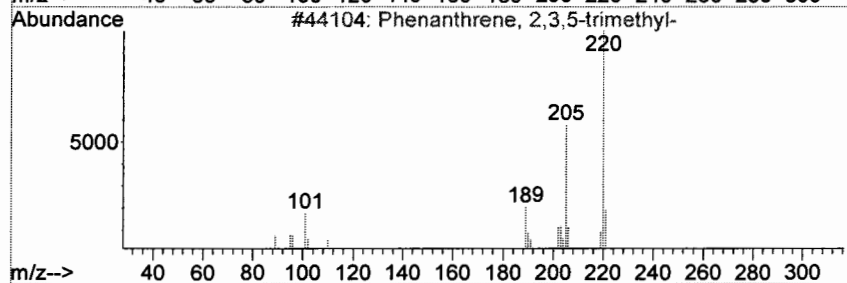
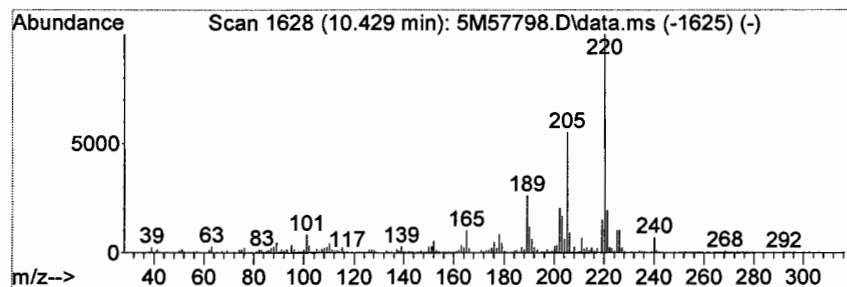
Quant Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0430.M
 Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 23 Phenanthrene, 2,3,5-trimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.43	38.32 ng	365532	LibIS-Phenanthrene-d10	8.76

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2,3,5-trimethyl-	220	C17H16	003674-73-5	94
2			7-Nitro-6-methoxy-2,3-dimethylin...	220	C11H12N2O3	068289-71-4	58
3			3,4'-DIFLUORO-4-METHOXYBIPHENYL	220	C13H10F2O	000000-00-0	52
4			EXO-4-METHYL-ENDO-6-PHENYLBENZOB...	220	C17H16	067457-01-6	52
5			2,4-BIS(T-BUTYLMETHYLENE)CYCLOBU...	220	C14H20O2	053942-74-8	50



Tentatively Identified Compound (LSC) summary

Data Path : G:\GcMsData\2010\GCMS_5\Data\05-1210\
 Data File : 5M57798.D
 Acq On : 13 May 2010 00:24
 Operator : AHD
 Sample : AC51387-006(20X)
 Misc : S,BNA:30
 ALS Vial : 30 Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0430.M
 Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	-----Internal Standard-----				
					#	ExpRT	ActRt	Resp	Conc
2-Pentanone, 4-hy...	3.24	210.7	ng	1254123	1	5.03	5.03	238056	40.0
Naphthalene, 1-me...	6.68	38.5	ng	337073	2	6.07	6.07	349894	40.0
Naphthalene, 1-et...	7.02	24.3	ng	212234	2	6.07	6.07	349894	40.0
Naphthalene, 1,5-...	7.07	43.0	ng	376503	2	6.07	6.07	349894	40.0
Naphthalene, 1,5-...	7.13	51.1	ng	447412	2	6.07	6.07	349894	40.0
Naphthalene, 1,5-...	7.15	27.1	ng	237300	2	6.07	6.07	349894	40.0
Naphthalene, 1,5-...	7.22	22.9	ng	200374	2	6.07	6.07	349894	40.0
Naphthalene, 2-(1...	7.49	35.0	ng	333931	3	8.76	8.76	381582	40.0
Naphthalene, 1,4,...	7.57	30.3	ng	288783	3	8.76	8.76	381582	40.0
Naphthalene, 1,4,...	7.74	24.5	ng	233518	3	8.76	8.76	381582	40.0
METHYLDIBENZOTHI...	9.11	26.4	ng	251889	3	8.76	8.76	381582	40.0
Phenanthrene, 9-m...	9.30	41.1	ng	391657	3	8.76	8.76	381582	40.0
Anthracene, 2-met...	9.33	46.1	ng	439858	3	8.76	8.76	381582	40.0
(+)-3,3-Dimethyl...	9.41	34.9	ng	333059	3	8.76	8.76	381582	40.0
Anthracene, 2-met...	9.44	26.7	ng	254668	3	8.76	8.76	381582	40.0
3,4-Dimethyldiben...	9.62	23.9	ng	228374	3	8.76	8.76	381582	40.0
Phenanthrene, 2,3...	9.79	34.2	ng	326334	3	8.76	8.76	381582	40.0
Phenanthrene, 2,7...	9.83	32.1	ng	306399	3	8.76	8.76	381582	40.0
Phenanthrene, 2,3...	9.91	72.7	ng	693893	3	8.76	8.76	381582	40.0
Phenanthrene, 2,7...	9.94	30.3	ng	289347	3	8.76	8.76	381582	40.0
Benzene, 1,1'-[(m...	10.15	24.0	ng	228863	3	8.76	8.76	381582	40.0
Phenanthrene, 2,3...	10.39	22.3	ng	212288	3	8.76	8.76	381582	40.0
Phenanthrene, 2,3...	10.43	38.3	ng	365532	3	8.76	8.76	381582	40.0

**GC/MS Semi-Volatile Data
Standards Data**

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Calibration Level Concentrations								
1	9M24674.	CAL BNA@50PPM	04/27/10 11:46	2	9M24667.	CAL BNA@20PPM	04/27/10 09:05	Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
3	9M24668.	CAL BNA@10PPM	04/27/10 09:28	4	9M24669.	CAL BNA@20PPM	04/27/10 09:51									
5	9M24670.	CAL BNA@80PPM	04/27/10 10:14	6	9M24671.	CAL BNA@120PPM	04/27/10 10:37									
7	9M24672.	CAL BNA@160PPM	04/27/10 11:00	8	9M24673.	CAL BNA@196PPM	04/27/10 11:23									
Compound	Col	Mt. F1:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd
Pyridine	1	0	Avg	1.1849	0.7409	0.9545	0.9640	1.1039	1.0755	1.1049	1.1975	1.04257	0.996	0.997	14	50.00 2.00 10.00 20.00 80.00 120.0 160.0 196.0
N-Nitrosodimethylamine	1	0	Avg	0.6866	0.6617	0.5787	0.6592	0.6155	0.6632	0.6696	0.7291	0.660252	0.995	0.998	6.9	50.00 2.00 10.00 20.00 80.00 120.0 160.0 196.0
2-Fluorophenol	1	0	Avg	1.1017	1.3174	1.1038	0.9508	1.0299	1.1220	1.1008	1.1730	1.11430	0.997	0.999	9.6	50.00 2.00 10.00 20.00 80.00 120.0 160.0 196.0
Benzaldehyde	1	0	Avg	1.0429	0.9578	1.0978	0.9717	0.9090	0.8017	---	---	0.9645.14	0.987	0.998	11	50.00 2.00 10.00 20.00 80.00 120.0
Aniline	1	0	LinF	1.6740	1.1843	1.1765	1.3510	1.5981	1.6596	1.5810	1.7034	1.49524	0.998	0.998	15	50.00 2.00 10.00 20.00 80.00 120.0 160.0 196.0
Pentachloroethane	1	0	Avg	0.4004	0.5032	0.4314	0.3773	0.3847	0.4110	0.3997	0.4135	0.415528	0.999	0.999	9.5	50.00 2.00 10.00 20.00 80.00 120.0 160.0 196.0
bis(2-Chloroethyl)ether	1	0	Avg	1.0563	1.0483	1.0529	1.0111	0.9592	0.9994	0.9686	1.0168	1.01531	0.999	0.999	3.7	50.00 2.00 10.00 20.00 80.00 120.0 160.0 196.0
Phenol-d5	1	0	Avg	1.4419	1.4804	1.3193	1.3580	1.3352	1.4064	1.3604	1.4436	1.39522	0.998	0.999	4.2	50.00 2.00 10.00 20.00 80.00 120.0 160.0 196.0
Phenol	1	0	Avg	1.5155	1.7033	1.4052	1.4034	1.4176	1.4088	1.3865	1.4946	1.47523	0.997	0.998	7.2	50.00 2.00 10.00 20.00 80.00 120.0 160.0 196.0
2-Chlorophenol	1	0	Avg	1.3130	1.6195	1.3858	1.2687	1.2644	1.2813	1.2923	1.3568	1.35534	0.998	1.00	8.7	50.00 2.00 10.00 20.00 80.00 120.0 160.0 196.0
N-Decane	1	0	Avg	0.9106	1.0213	0.8716	0.8454	0.8416	0.8556	0.8532	0.8935	0.887540	0.999	0.999	6.7	50.00 2.00 10.00 20.00 80.00 120.0 160.0 196.0
1,3-Dichlorobenzene	1	0	Avg	1.4758	1.7115	1.4345	1.3882	1.3278	1.4263	1.3708	1.4121	1.44547	0.999	0.999	8.1	50.00 2.00 10.00 20.00 80.00 120.0 160.0 196.0
1,4-Dichlorobenzene	1	0	Avg	1.5418	1.7945	1.4864	1.4563	1.3925	1.4268	1.3688	1.4972	1.50554	0.996	0.997	8.9	50.00 2.00 10.00 20.00 80.00 120.0 160.0 196.0
1,2-Dichlorobenzene	1	0	Avg	1.4187	1.4505	1.3715	1.3570	1.2973	1.3344	1.2897	1.3749	1.36567	0.998	0.998	4.1	50.00 2.00 10.00 20.00 80.00 120.0 160.0 196.0
Benzyl alcohol	1	0	Avg	0.7981	0.7933	0.6881	0.6851	0.7524	0.7806	0.7394	0.8084	0.756565	0.997	0.997	6.4	50.00 2.00 10.00 20.00 80.00 120.0 160.0 196.0
bis(2-chloroisopropyl)ether	1	0	Avg	1.1611	1.5545	1.2276	1.1042	1.0335	1.0521	1.0420	1.1012	1.16576	0.998	0.998	15	50.00 2.00 10.00 20.00 80.00 120.0 160.0 196.0
2-Methylphenol	1	0	Avg	1.1387	1.3055	1.0213	1.0424	1.0460	1.0471	1.0679	1.0940	1.10575	0.999	0.999	8.4	50.00 2.00 10.00 20.00 80.00 120.0 160.0 196.0
Acetophenone	1	0	Avg	1.7013	1.6726	1.6957	1.6268	1.5242	1.6106	1.5902	1.6456	1.63586	0.999	0.999	3.6	50.00 2.00 10.00 20.00 80.00 120.0 160.0 196.0
Hexachloroethane	1	0	Avg	0.6622	0.7036	0.5715	0.5862	0.5744	0.6154	0.5731	0.6154	0.613594	0.997	0.997	7.8	50.00 2.00 10.00 20.00 80.00 120.0 160.0 196.0
N-Nitroso-di-n-propyla	1	0	Avg	0.9818	1.1978	0.9030	0.9855	0.8961	0.9244	0.9052	0.9389	0.967587	0.999	0.999	10	50.00 2.00 10.00 20.00 80.00 120.0 160.0 196.0
3,8,4-Methylphenol	1	0	Avg	1.1670	1.3840	1.1925	1.1119	1.1057	1.0953	1.0790	1.1489	1.16587	0.998	0.999	8.5	50.00 2.00 10.00 20.00 80.00 120.0 160.0 196.0
Nitrobenzene-d5	1	0	Avg	0.1772	0.2224	0.1531	0.1712	0.1680	0.1691	0.1694	0.1738	0.176598	0.999	1.00	12	25.00 1.00 5.00 10.00 40.00 60.00 80.00 98.00
Nitrobenzene	1	0	Avg	0.3778	0.4465	0.3581	0.3607	0.3600	0.3645	0.3440	0.3703	0.373600	0.998	0.998	8.4	50.00 2.00 10.00 20.00 80.00 120.0 160.0 196.0
Isophorone	1	0	Avg	0.6547	0.7339	0.6320	0.6187	0.6249	0.6256	0.6126	0.6503	0.644619	0.998	0.999	6.1	50.00 2.00 10.00 20.00 80.00 120.0 160.0 196.0
2-Nitrophenol	1	0	Avg	0.2008	0.2165	0.1816	0.1863	0.1909	0.1941	0.1951	0.2053	0.196625	0.998	0.999	5.6	50.00 2.00 10.00 20.00 80.00 120.0 160.0 196.0
2,4-Dimethylphenol	1	0	Avg	0.3929	0.4326	0.3496	0.3348	0.3562	0.3524	0.3452	0.3601	0.366637	0.998	0.998	8.7	50.00 2.00 10.00 20.00 80.00 120.0 160.0 196.0
Benzoic Acid	1	0	Qua	0.1864	---	0.0426	0.1058	0.1848	0.2123	0.2160	0.2244	0.168637	0.998	0.999	4.1	50.00
bis(2-Chloroethoxy)me	1	0	Avg	0.3540	0.3897	0.3320	0.3444	0.3404	0.3448	0.3342	0.3538	0.349636	0.999	0.999	5.2	50.00 2.00 10.00 20.00 80.00 120.0 160.0 196.0
2,4-Dichlorophenol	1	0	Avg	0.3135	0.3296	0.2816	0.2909	0.2882	0.3054	0.2883	0.3080	0.301644	0.998	0.998	5.4	50.00 2.00 10.00 20.00 80.00 120.0 160.0 196.0
1,2,4-Trichlorobenzene	1	0	Avg	0.3513	0.4012	0.3438	0.3404	0.3509	0.3366	0.3363	0.3490	0.351650	0.999	0.999	6.0	50.00 2.00 10.00 20.00 80.00 120.0 160.0 196.0
Naphthalene	1	0	Avg	1.0746	1.1559	1.0673	1.0188	1.0161	1.0271	0.9819	1.0415	1.05656	0.998	0.998	5.0	50.00 2.00 10.00 20.00 80.00 120.0 160.0 196.0
4-Chloroaniline	1	0	Avg	0.3681	0.3430	0.2819	0.3097	0.3351	0.3207	0.3056	0.2756	0.318660	0.987	0.999	9.8	50.00 2.00 10.00 20.00 80.00 120.0 160.0 196.0
Hexachlorobutadiene	1	0	Avg	0.2016	0.2214	0.1893	0.1977	0.1865	0.2006	0.1943	0.1962	0.198665	0.999	0.999	5.4	50.00 2.00 10.00 20.00 80.00 120.0 160.0 196.0
Caprolactam	1	0	Avg	0.1162	0.1241	0.1043	0.0974	0.1106	0.1090	0.0967	0.0973	0.107688	0.995	0.998	9.3	50.00 2.00 10.00 20.00 80.00 120.0 160.0 196.0
4-Chloro-3-methylphen	1	0	Avg	0.3026	0.3459	0.2834	0.2751	0.2788	0.2889	0.2800	0.2946	0.294696	0.999	0.999	7.8	50.00 2.00 10.00 20.00 80.00 120.0 160.0 196.0
2-Methylnaphthalene	1	0	Avg	0.7573	0.7956	0.7473	0.6937	0.7073	0.7111	0.6845	0.7051	0.725708	0.999	0.999	5.2	50.00 2.00 10.00 20.00 80.00 120.0 160.0 196.0
Methylanthralenes (T	1	0	Avg	0.7573	0.7956	0.7473	0.6937	0.7073	0.7111	0.6845	0.7051	0.725708	0.999	0.999	5.2	50.00 2.00 10.00 20.00 80.00 120.0 160.0 196.0
1,1'-Bibiphenyl	1	0	Avg	0.9115	1.0683	0.8528	0.8333	0.8333	0.8810	0.8473	0.8801	0.888745	0.999	0.999	8.7	50.00 2.00 10.00 20.00 80.00 120.0 160.0 196.0
1,2,4,5-Tetrachloroben	1	0	Avg	0.6222	0.6001	0.6011	0.6042	0.5904	0.5899	0.5828	---	0.594721	0.999	0.999	3.0	50.00 2.00 10.00 20.00 80.00 120.0 160.0 196.0
Hexachlorocyclopentac	1	0	Qua	0.2601	---	0.1377	0.1862	0.2764	0.2827	0.3187	0.3228	0.255720	0.996	0.999	27	50.00
2,4,6-Trichlorophenol	1	0	Avg	0.3745	0.4399	0.3302	0.3494	0.3668	0.3491	0.3536	0.3656	0.366730	0.999	0.999	9.0	50.00 2.00 10.00 20.00 80.00 120.0 160.0 196.0

Flags

a - failed the spec criteria
b - failed the ccc criteria
c - failed the minimum correlation coeff criteria (if applicable)

Note:

Corr 1 = Correlation Coefficient for linear Eq.
Corr 2 = Correlation Coefficient for quad Eq.
Fit = Indicates whether Avg Rf, Linear, or Quadratic Curve was used for compound

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Calibration Level Concentrations								
1	9M24674.	CAL BNA@50PPM	04/27/10 11:46	2	9M24667.	CAL BNA@2PPM	04/27/10 09:05	Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
3	9M24668.	CAL BNA@10PPM	04/27/10 09:28	4	9M24669.	CAL BNA@20PPM	04/27/10 09:51									
5	9M24670.	CAL BNA@80PPM	04/27/10 10:14	6	9M24671.	CAL BNA@120PPM	04/27/10 10:37									
7	9M24672.	CAL BNA@160PPM	04/27/10 11:00	8	9M24673.	CAL BNA@196PPM	04/27/10 11:23									

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRt	RT	Corr1	Corr2	%Rsd	Calibration Level Concentrations								
2,4,5-Trichlorophenol	1	0	Avg	0.4078	0.3999	0.3601	0.3900	0.3908	0.3592	0.3719	0.3913	---	0.384	7.33	0.997	0.998	4.7	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Fluorobiphenyl	1	0	Avg	1.3711	1.3667	1.3727	1.3123	1.2956	1.2558	1.2790	1.3159	---	1.32	7.36	0.999	0.999	3.4	25.00	1.00	5.00	10.00	40.00	60.00	80.00	98.00	
2-Chlorobiphenyl	1	0	Avg	1.2127	1.3651	1.2232	1.1663	1.1185	1.0529	1.1188	1.1167	---	1.17	7.47	0.998	0.998	8.2	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1,4-Dimethylnaphthalene	1	0	Avg	0.9131	0.8115	0.8706	0.8861	0.8514	0.8040	0.8326	0.8286	---	0.850	7.74	0.999	0.999	4.5	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Dimethylnaphthalenes	1	0	Avg	0.9131	0.8115	0.8706	0.8861	0.8514	0.8040	0.8326	0.8286	---	0.850	7.74	0.999	0.999	4.5	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Dibenzyl Ether	1	0	Avg	0.8894	0.9876	0.8819	0.7825	0.8175	0.7784	0.8173	0.8174	---	0.847	7.53	0.999	0.999	8.3	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Nitroaniline	1	0	Qua	0.5076	0.6434	0.4968	0.5052	0.4864	0.4702	0.3290	0.3107	---	0.469	7.54	0.953	0.992	23	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Acenaphthylene	1	0	Avg	1.9566	2.0584	1.8887	1.8204	1.8098	1.7635	1.8302	1.8138	---	1.87	7.81	0.999	0.999	5.2	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Dimethylththalate	1	0	Avg	1.3984	1.5880	1.4239	1.2851	1.2903	1.2632	1.3203	1.3283	---	1.36	7.69	0.999	0.999	7.8	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2,6-Dinitrofluorene	1	0	Avg	0.3224	0.3656	0.2927	0.2995	0.2921	0.2767	0.2988	0.2913	---	0.305	7.75	0.998	0.998	9.1	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Acenaphthene	1	0	Avg	1.2669	1.2600	1.2100	1.1670	1.1736	1.1314	1.1611	1.1664	---	1.19	7.96	0.999	0.999	4.1	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
3-Nitroaniline	1	0	Avg	0.3066	0.2543	0.3075	0.2645	0.2787	0.2592	0.2626	0.2684	---	0.275	7.89	0.998	0.998	7.6	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2,4-Dinitrophenol	1	0	Qua	0.1791	---	0.0742	0.1351	0.2046	0.2032	0.1974	0.2144	---	0.173	7.98	0.998	0.998	29	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Dibenzofuran	1	0	Avg	1.7028	1.6799	1.6469	1.6216	1.5790	1.5025	1.5404	1.5383	---	1.60	8.11	0.999	0.999	4.5	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2,4-Dinitrofluorene	1	0	Avg	0.4547	0.4082	0.4400	0.4097	0.4133	0.4055	0.4129	0.4036	---	0.419	8.09	0.999	0.999	4.4	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Nitrophenol	1	0	Avg	0.2354	0.2315	0.2198	0.2190	0.2440	0.2338	0.2487	0.2436	---	0.235	8.02	0.999	0.999	4.7	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2,3,4,6-Tetrachlorophenol	1	0	Avg	0.3430	0.2464	0.3182	0.3109	0.3304	0.3172	0.3356	0.3355	---	0.317	8.22	0.999	0.999	9.7	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Fluorene	1	0	Avg	1.4114	1.5008	1.3560	1.2912	1.2874	1.2341	1.2821	1.2728	---	1.33	8.43	0.999	0.999	6.6	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Chlorobiphenyl-phenyl	1	0	Avg	0.6829	0.7537	0.7009	0.6625	0.6266	0.5986	0.6239	0.6246	---	0.659	8.42	0.999	0.999	7.8	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Diethylththalate	1	0	Avg	1.4146	1.6742	1.4831	1.3433	1.3265	1.2489	1.3266	1.3483	---	1.40	8.31	0.998	0.999	9.4	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Nitroaniline	1	0	Avg	0.3685	0.3454	0.3706	0.3454	0.3400	0.3203	0.3374	0.3304	---	0.345	8.44	0.999	0.999	5.0	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Atrazine	1	0	Avg	0.4432	0.3557	0.4129	0.4089	0.4017	0.3821	0.4001	0.3942	---	0.400	9.06	0.999	0.999	6.3	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4,6-Dinitro-2-methylphenol	1	0	Avg	0.1463	---	0.1039	0.1356	0.1580	0.1470	0.1568	0.1612	---	0.144	8.47	0.998	0.999	14	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
n-Nitrosodibenzylamine	1	0	Avg	0.6902	0.7310	0.7104	0.6992	0.6793	0.6516	0.6652	0.6750	---	0.688	8.53	1.00	1.00	3.7	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2,4,6-Trichlorophenol	1	0	Avg	0.0648	0.0568	0.0656	0.0693	0.0724	0.0685	0.0700	0.0719	---	0.0674	8.66	0.999	0.999	7.5	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1,2-Dichlorobenzene	1	0	Avg	0.9063	1.0242	0.9353	0.9047	0.9041	0.8599	0.8577	0.9084	---	0.913	8.57	0.998	0.999	5.7	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Bromobiphenyl-phenyl	1	0	Avg	0.2468	0.2688	0.2353	0.2478	0.2360	0.2252	0.2299	0.2390	---	0.241	8.90	0.999	0.999	5.6	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Hexachlorobenzene	1	0	Avg	0.2242	0.3183	0.2198	0.2133	0.2190	0.2136	0.2137	0.2258	---	0.231	8.96	0.998	0.999	15	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Octadecane	1	0	Avg	0.3548	0.4240	0.3689	0.3459	0.3649	0.3479	0.3519	0.3692	---	0.366	9.24	0.999	0.999	6.9	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Pentachlorophenol	1	0	Qua	0.1178	---	0.0590	0.0776	0.1242	0.1250	0.1319	0.1400	---	0.111	9.16	0.998	0.999	27	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Phenanthrene	1	0	Avg	1.1502	1.3354	1.1693	1.1443	1.1355	1.1175	1.1091	1.1681	---	1.17	9.39	0.999	0.999	6.1	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Anthrathene	1	0	Avg	1.2175	1.3198	1.1696	1.1830	1.1743	1.1571	1.1424	1.2026	---	1.20	9.44	0.999	0.999	4.6	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Carbazole	1	0	Avg	1.1588	1.1988	1.0916	1.1249	1.1192	1.0920	1.1068	1.1482	---	1.13	9.61	0.999	0.999	3.3	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Di-n-butylththalate	1	0	Avg	1.4711	1.7064	1.4154	1.4049	1.4200	1.3977	1.3995	1.4823	---	1.46	10.00	0.999	0.999	7.1	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Fluoranthene	1	0	Avg	1.3241	1.3463	1.2408	1.2445	1.2708	1.2428	1.2560	1.3149	---	1.28	10.70	0.999	0.999	3.3	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Pylene	1	0	Avg	1.4644	1.6665	1.4150	1.4705	1.4232	1.4897	1.4389	1.5759	---	1.49	10.96	0.996	0.998	5.8	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzidine	1	0	Avg	0.4801	0.3713	0.3515	0.4034	0.5109	0.4707	0.3722	---	---	0.423	10.86	0.961	0.992	15	50.00	2.00	10.00	20.00	80.00	120.0	160.0		
Temphevinyl-d14	1	0	Avg	1.0628	1.1477	1.1368	1.0857	1.0549	1.1147	1.0722	1.1853	---	1.11	11.15	0.995	0.998	4.2	25.00	1.00	5.00	10.00	40.00	60.00	80.00	96.00	
p-o'-DDE	1	0	Avg	0.3439	0.3993	0.3541	0.3242	0.3291	0.3483	0.3359	0.3807	---	0.352	11.09	0.993	0.997	7.4	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Endrin	1	0	Avg	0.1198	0.1112	0.1226	0.1131	0.1059	0.1129	0.1108	0.1197	---	0.115	11.40	0.996	0.998	4.9	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
p-o'-DDD	1	0	Avg	0.5618	0.6800	0.5334	0.5497	0.5599	0.5674	0.5525	0.6014	---	0.576	11.49	0.997	0.998	8.1	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	

Flags

a - failed the spec criteria
b - failed the ccc criteria
c - failed the minimum correlation coeff criteria (if applicable)

Note:

Corr 1 = Correlation Coefficient for linear Eq.
Corr 2 = Correlation Coefficient for quad Eq.
Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

0748

Level #:	Data File:	Cal Identifier:	Analysis Date/Time									Level #:	Data File:	Cal Identifier:	Analysis Date/Time										
			RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9				AvgRt	RT	Corr1	Corr2	%Rsd	Lv11	Lv12	Lv13	Lv14	Lv15	Lv16
1	9M24674.	CAL BNA@50PPM	0.7002	0.7694	0.6589	0.6617	0.6887	0.7102	0.6798	0.7521	----	0.703	11.75	0.996	0.997	5.7	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	196.0
3	9M24668.	CAL BNA@10PPM	0.0298	-----	0.0319	0.0266	0.0262	0.0291	0.0292	0.0308	----	0.0291	11.40	0.996	0.999	7.2	50.00		10.00	20.00	80.00	120.0	160.0	196.0	196.0
5	9M24670.	CAL BNA@80PPM	0.5306	0.5198	0.5009	0.5144	0.5181	0.5482	0.5161	0.5624	----	0.526	11.84	0.997	0.998	3.8	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	196.0
7	9M24672.	CAL BNA@160PPM	0.0520	0.0455	0.0518	0.0519	0.0490	0.0488	0.0475	0.0541	----	0.0501	12.31	0.992	0.995	5.7	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	196.0
			Qua	0.3946	0.5619	0.3384	0.3317	0.3904	0.3817	0.3452	0.3608	----	0.388	12.36	0.996	0.997	19	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0
				1.3885	1.6376	1.3946	1.3976	1.3632	1.3830	1.3355	1.4415	----	1.42	12.38	0.998	0.998	6.6	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0
				1.3271	1.6027	1.2756	1.3076	1.2709	1.2938	1.2532	1.3270	----	1.33	12.42	0.999	0.999	8.4	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0
				1.0177	1.1477	1.0104	1.0209	0.9859	1.0078	0.9803	1.0673	----	1.03	12.45	0.999	0.999	5.3	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0
				1.6663	1.5894	1.4563	1.5121	1.5876	1.6123	1.6037	1.7385	----	1.60	13.20	0.997	0.998	5.4	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0
				1.3267	1.5523	1.3445	1.2673	1.3269	1.3728	1.2911	1.4006	----	1.36	13.59	0.997	0.998	6.5	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0
				1.3117	1.3744	1.1463	1.2569	1.2114	1.1812	1.2046	1.2486	----	1.24	13.62	0.999	0.999	5.9	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0
				1.3031	1.3079	1.1932	1.2424	1.2233	1.2096	1.2045	1.2650	----	1.24	13.93	0.999	0.999	3.6	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0
				1.2725	1.4869	1.2644	1.2320	1.2458	1.2423	1.1960	1.2776	----	1.28	15.16	0.998	0.998	6.9	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0
				1.0556	1.1756	1.0303	0.9924	1.0058	1.0099	0.9821	1.0343	----	1.04	15.18	0.999	0.999	5.9	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0
				1.0722	1.2784	1.0636	1.0624	1.0286	1.0506	1.0014	1.0620	----	1.08	15.50	0.998	0.999	7.8	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0

Flags

a - failed the spec criteria
b - failed the ccc criteria
c - failed the minimum correlation coeff criteria (if applicable)

Note:

Corr 1 = Correlation Coefficient for linear Eq.
Corr 2 = Correlation Coefficient for quad Eq.
Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

Avg Rsd: 7.84

SampleID : CAL BNA@50PPM
Data File: 9M24674.D
Acq On : 04/27/10 11:46

Operator : AHD
Sam Mult : 1 Vial# : 2
Misc : A,BNA

Qt Meth : 9M_0427.M
Qt On : 04/27/10 12:02
Qt Upd On: 04/27/10 10:29

Data Path : G:\GcMsData\2010\GCMS_9\Data\04-27-10\
Qt Path : G:\GCMSDATA\2010\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.526	152	24075	40.00	ng	0.00
29) Naphthalene-d8	6.542	136	92060	40.00	ng	0.00
47) Acenaphthene-d10	7.933	164	53209	40.00	ng	0.00
73) Phenanthrene-d10	9.361	188	93182	40.00	ng	0.00
87) Chrysene-d12	12.394	240	89879	40.00	ng	0.00
102) Perylene-d12	13.982	264	93942	40.00	ng	0.00
System Monitoring Compounds						
10) 2-Fluorophenol	4.296	112	33155	48.32	ng	0.00
Spiked Amount 100.000			Recovery =	48.32%		
15) Phenol-d5	5.216	99	43394	46.70	ng	0.00
Spiked Amount 100.000			Recovery =	46.70%		
30) Nitrobenzene-d5	5.981	128	10196	23.77	ng	0.00
Spiked Amount 50.000			Recovery =	47.54%		
52) 2-Fluorobiphenyl	7.361	172	45599	25.38	ng	0.00
Spiked Amount 50.000			Recovery =	50.76%		
76) 2,4,6-Tribromophenol	8.655	330	7551	46.57	ng	0.00
Spiked Amount 100.000			Recovery =	46.57%		
90) Terphenyl-d14	11.153	244	59707	24.50	ng	0.00
Spiked Amount 50.000			Recovery =	49.00%		
Target Compounds						
8) Pyridine	2.574	79	35660	48.05	ng	65
9) N-Nitrosodimethylamine	2.520	74	20664	45.76	ng	84
11) Benzaldehyde	5.141	77	31385	47.52	ng	87
12) Aniline	5.243	93	50378	48.51	ng	15
13) Pentachloroethane	5.280	117	12052	51.24	ng	67
14) bis(2-Chloroethyl) ether	5.307	93	31789	47.77	ng	83
16) Phenol	5.232	94	45608	45.35	ng	95
17) 2-Chlorophenol	5.344	128	39513	49.12	ng	79
18) N-Decane	5.398	57	27405	50.09	ng	66
19) 1,3-Dichlorobenzene	5.473	146	44414	51.48	ng	98
20) 1,4-Dichlorobenzene	5.542	146	46399	51.52	ng	98
21) 1,2-Dichlorobenzene	5.665	146	42695	53.11	ng	97
22) Benzyl alcohol	5.649	108	24018	45.55	ng	89
23) bis(2-chloroisopropyl)...	5.762	45	34942	60.56	ng	46
24) 2-Methylphenol	5.746	108	34269	46.95	ng	96
25) Acetophenone	5.863	105	51200	48.56	ng	76
26) Hexachloroethane	5.943	117	19928	53.17	ng	86
27) N-Nitroso-di-n-propyla...	5.869	70	29548	47.47	ng	85
28) 3&4-Methylphenol	5.874	108	35121	47.72	ng	99
31) Nitrobenzene	5.997	77	43480	44.71	ng	91
32) Isophorone	6.189	82	75342	45.66	ng	86
33) 2-Nitrophenol	6.248	139	23116	50.27	ng	99
34) 2,4-Dimethylphenol	6.286	107	45216	50.99	ng	93
35) Benzoic Acid	6.371	105	21459m	56.15	ng	
36) bis(2-Chloroethoxy)met...	6.361	93	40740	47.67	ng	92
37) 2,4-Dichlorophenol	6.436	162	36082	53.01	ng	84
38) 1,2,4-Trichlorobenzene	6.500	180	40430	52.47	ng	96
39) Naphthalene	6.559	128	123664	50.88	ng	99
40) 4-Chloroaniline	6.596	127	42361	58.25	ng	100
41) Hexachlorobutadiene	6.649	225	23199	52.09	ng	98
42) Caprolactam	6.879	113	13373	50.26	ng	63
43) 4-Chloro-3-methylphenol	6.960	107	34831	47.59	ng	83
44) 2-Methylnaphthalene	7.083	142	87146	52.67	ng	98
45) Methylnaphthalenes (To...	7.083	142	87146	52.67	ng	98
46) 1,1'-Biphenyl	7.446	154	104894	49.30	ng	92
48) 1,2,4,5-Tetrachloroben...	7.211	216	41387	53.02	ng	99
49) Hexachlorocyclopentadiene	7.200	237	17304	37.48	ng	95
50) 2,4,6-Trichlorophenol	7.297	196	24912	51.25	ng	99
51) 2,4,5-Trichlorophenol	7.329	196	27127	53.88	ng	93
53) 2-Chloronaphthalene	7.468	162	80661	52.18	ng	95
54) 1,4-Dimethylnaphthalene	7.735	156	60737	52.73	ng	93
55) Dimethylnaphthalenes (...)	7.735	156	60737	52.73	ng	93
56) Diphenyl Ether	7.527	170	59157	51.69	ng	88
57) 2-Nitroaniline	7.543	65	33763	41.60	ng	85
58) Acenaphthylene	7.810	152	130137	52.73	ng	99
59) Dimethylphthalate	7.692	163	93011	50.71	ng	97
60) 2,6-Dinitrotoluene	7.746	165	21444	54.78	ng	64
61) Acenaphthene	7.960	153	84269	52.50	ng	97
62) 3-Nitroaniline	7.890	138	20395	58.51	ng	68
63) 2,4-Dinitrophenol	7.981	184	11917	48.65	ng	85
64) Dibenzofuran	8.110	168	113256	51.06	ng	89
65) 2,4-Dinitrotoluene	8.094	165	30247	52.72	ng	73

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@50PPM
 Data File: 9M24674.D
 Acq On : 04/27/10 11:46

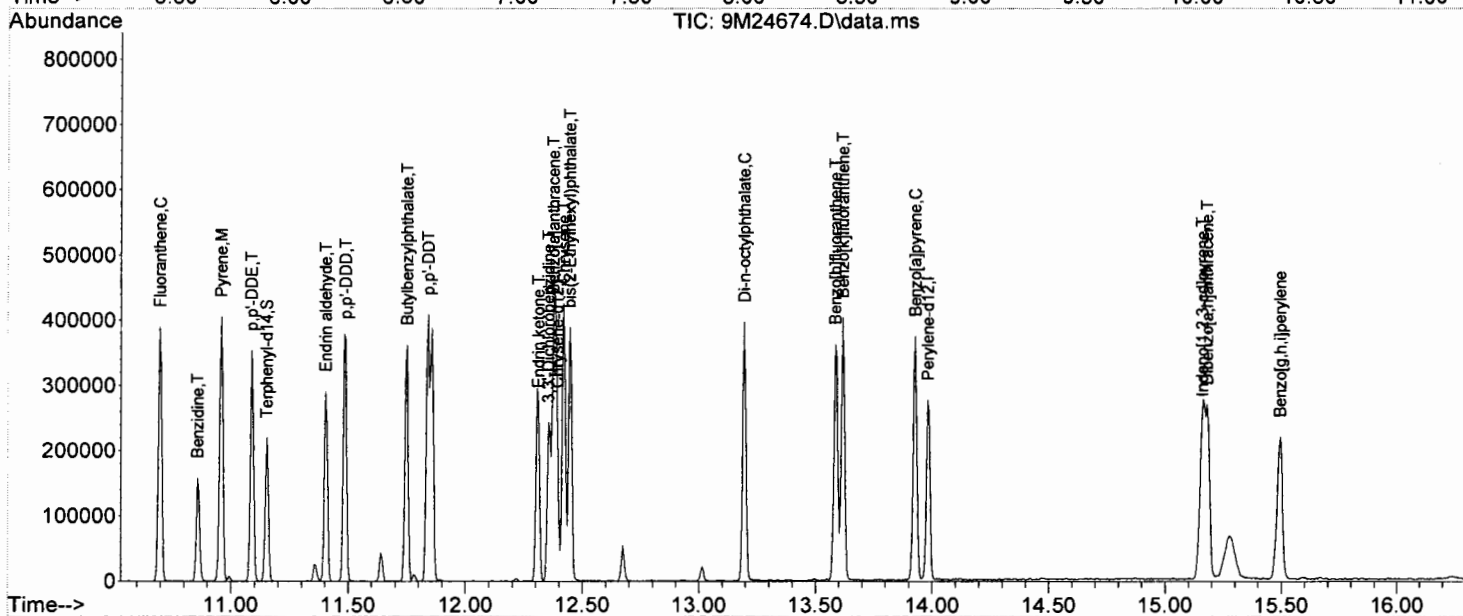
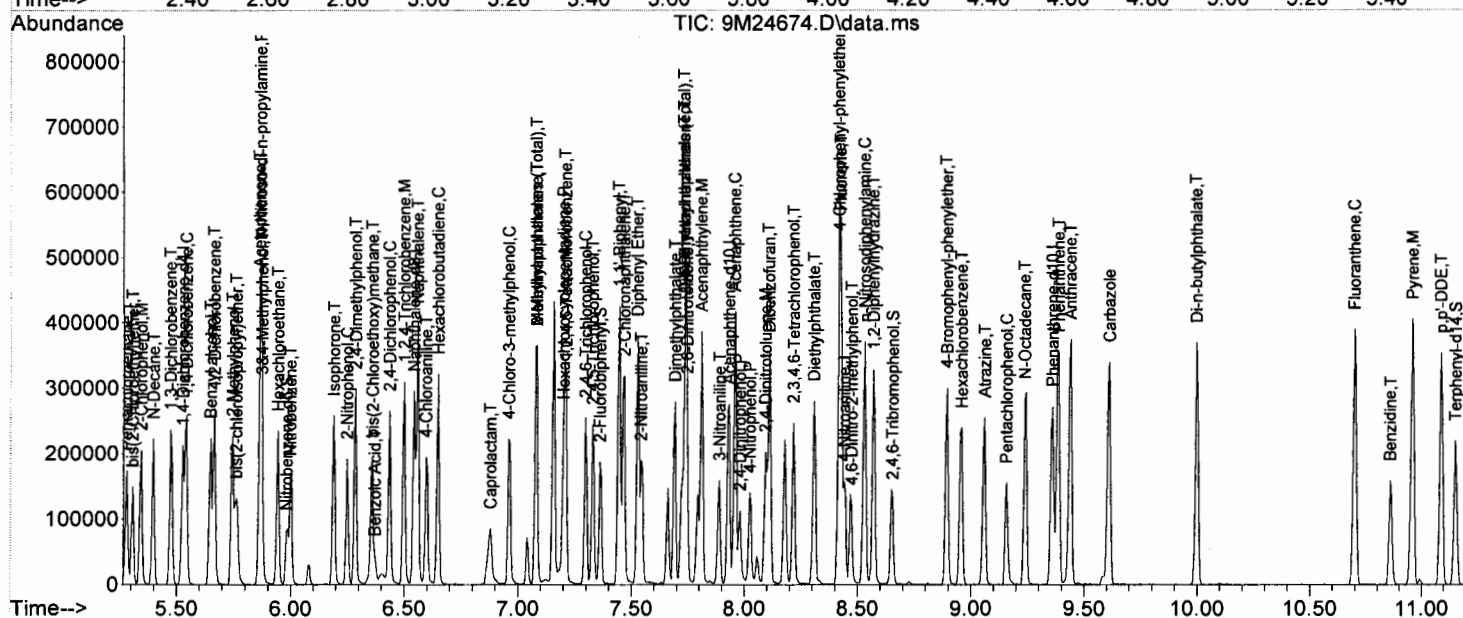
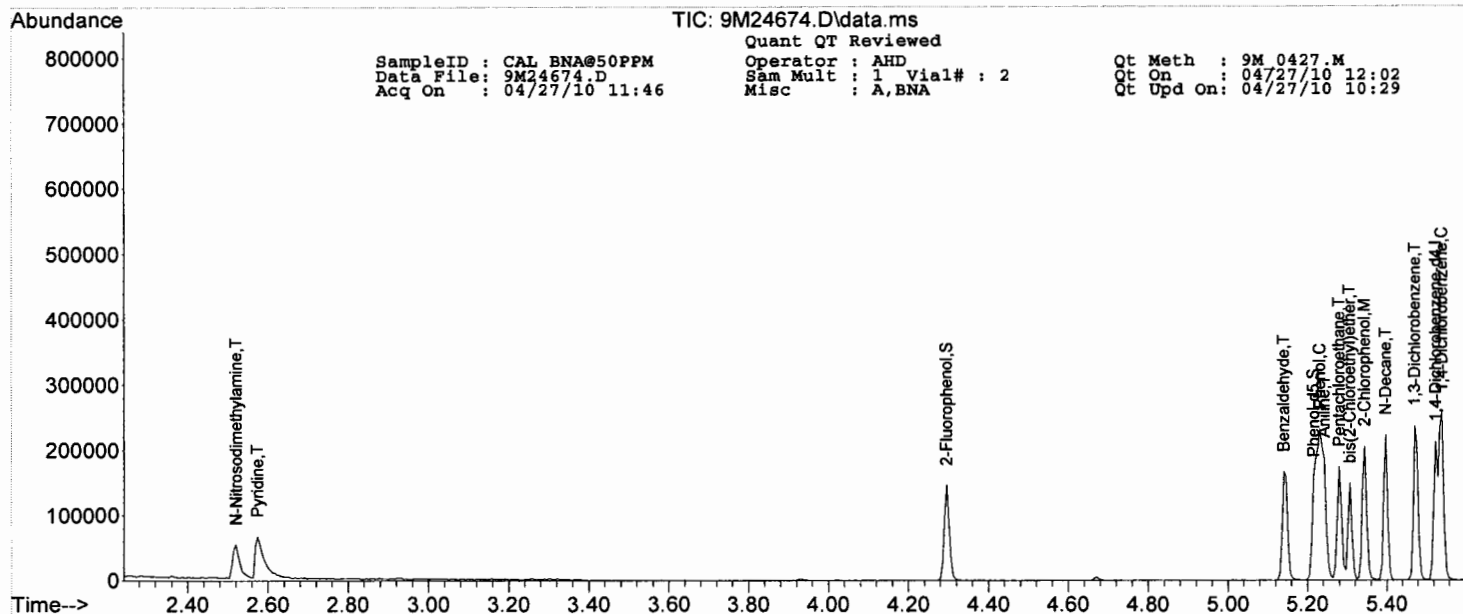
Operator : AHD
 Sam Mult : 1 Vial# : 2
 Misc : A,BNA

Qt Meth : 9M_0427.M
 Qt On : 04/27/10 12:02
 Qt Upd On: 04/27/10 10:29

Data Path : G:\GcMsData\2010\GCMS_9\Data\04-27-10\
 Qt Path : G:\GCMSDATA\2010\GCMS_9\METHODQT\
 Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66) 4-Nitrophenol	8.024	65	15663	37.01	ng	57
67) 2,3,4,6-Tetrachlorophenol	8.217	232	22814	53.20	ng	87
68) Fluorene	8.425	166	93876	51.13	ng	98
69) 4-Chlorophenyl-phenyle...	8.420	204	45426	51.91	ng	91
70) Diethylphthalate	8.308	149	94090	49.74	ng	99
71) 4-Nitroaniline	8.441	138	24515	55.95	ng	88
72) Atrazine	9.062	200	29479	53.24	ng	95
74) 4,6-Dinitro-2-methylph...	8.473	198	17041	51.10	ng	42
75) n-Nitrosodiphenylamine	8.532	169	80402	50.35	ng	98
77) 1,2-Diphenylhydrazine	8.570	77	105567	47.91	ng	93
78) 4-Bromophenyl-phenylether	8.896	248	28751	54.16	ng	84
79) Hexachlorobenzene	8.960	284	26121	53.65	ng	71
80) N-Octadecane	9.238	57	41334	48.02	ng	67
81) Pentachlorophenol	9.158	266	13721	48.44	ng	98
82) Phenanthrene	9.388	178	133976	50.23	ng	99
83) Anthracene	9.441	178	141817	51.35	ng	98
84) Carbazole	9.613	167	134981	51.84	ng	96
85) Di-n-butylphthalate	9.998	149	171350	50.74	ng	98
86) Fluoranthene	10.698	202	154232	52.19	ng	84
88) Pyrene	10.960	202	164525	48.11	ng	83
89) Benzidine	10.859	184	53940	52.54	ng	82
91) p,p'-DDE	11.089	246	38639	47.62	ng	87
92) Endrin	11.404	81	13464	52.43	ng	81
93) p,p'-DDD	11.490	235	63119	47.66	ng	89
94) Butylbenzylphthalate	11.752	149	78676	49.42	ng	78
95) Endrin aldehyde	11.404	67	3355	39.70	ng	66
96) p,p'-DDT	11.843	235	59617	49.28	ng	95
97) Endrin ketone	12.314	317	5851	47.90	ng	93
98) 3,3'-Dichlorobenzidine	12.356	252	44338	54.87	ng	95
99) Benzo[a]anthracene	12.378	228	155999	49.03	ng	98
100) Chrysene	12.421	228	149103	50.53	ng	99
101) bis(2-Ethylhexyl)phtha...	12.447	149	114340	47.80	ng	99
103) Di-n-octylphthalate	13.196	149	195670	47.85	ng	100
104) Benzo[b]fluoranthene	13.587	252	155797	50.17	ng	89
105) Benzo[k]fluoranthene	13.619	252	154036	53.28	ng	90
106) Benzo[a]pyrene	13.929	252	153021	52.94	ng	90
107) Indeno[1,2,3-cd]pyrene	15.159	276	149429	53.96	ng	79
108) Dibenzo[a,h]anthracene	15.181	278	123963	55.29	ng	90
109) Benzo[g,h,i]perylene	15.496	276	125913	52.81	ng	84

(#) = qualifier out of range (m) = manual integration (+) = signals summed



SampleID : CAL BNA@2PPM
Data File: 9M24667.D
Acq On : 04/27/10 09:05

Operator : AHD
Sam Mult : 1 Vial# : 3
Misc : A,BNA

Qt Meth : 9M_0427.M
Qt On : 04/27/10 10:30
Qt Upd On: 04/27/10 10:29

Data Path : G:\GcMsData\2010\GCMS_9\Data\04-27-10\
Qt Path : G:\GCMSDATA\2010\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.526	152	26748	40.00	ng	0.00
29) Naphthalene-d8	6.543	136	101975	40.00	ng	0.00
47) Acenaphthene-d10	7.928	164	60551	40.00	ng	0.00
73) Phenanthrene-d10	9.356	188	101030	40.00	ng	0.00
87) Chrysene-d12	12.383	240	92253	40.00	ng	0.00
102) Perylene-d12	13.983	264	105597	40.00	ng	0.00
System Monitoring Compounds						
10) 2-Fluorophenol	4.301	112	1762m	2.31	ng	0.00
Spiked Amount 100.000			Recovery =	2.31%		
15) Phenol-d5	5.216	99	1980	1.92	ng	0.00
Spiked Amount 100.000			Recovery =	1.92%		
30) Nitrobenzene-d5	5.981	128	567	1.19	ng	0.00
Spiked Amount 50.000			Recovery =	2.38%		
52) 2-Fluorobiphenyl	7.361	172	2069	1.01	ng	0.00
Spiked Amount 50.000			Recovery =	2.02%		
76) 2,4,6-Tribromophenol	8.650	330	287	1.63	ng	0.00
Spiked Amount 100.000			Recovery =	1.63%		
90) Terphenyl-d14	11.148	244	2647	1.06	ng	0.00
Spiked Amount 50.000			Recovery =	2.12%		
Target Compounds						
8) Pyridine	2.649	79	991	1.20	ng	46
9) N-Nitrosodimethylamine	2.542	74	885m	1.76	ng	
11) Benzaldehyde	5.141	77	1281	1.75	ng	45
12) Aniline	5.243	93	1584	1.37	ng	1
13) Pentachloroethane	5.275	117	673	2.58	ng	86
14) bis(2-Chloroethyl) ether	5.302	93	1402	1.90	ng	79
16) Phenol	5.227	94	2278	2.04	ng	95
17) 2-Chlorophenol	5.339	128	2166	2.42	ng	70
18) N-Decane	5.393	57	1366	2.25	ng	63
19) 1,3-Dichlorobenzene	5.473	146	2289	2.39	ng	84
20) 1,4-Dichlorobenzene	5.537	146	2400	2.40	ng	68
21) 1,2-Dichlorobenzene	5.665	146	1940	2.17	ng	83
22) Benzyl alcohol	5.644	108	1061m	1.81	ng	
23) bis(2-chloroisopropyl)...	5.762	45	2079	3.24	ng	48
24) 2-Methylphenol	5.740	108	1746	2.15	ng	93
25) Acetophenone	5.858	105	2237	1.91	ng	81
26) Hexachloroethane	5.938	117	941	2.26	ng	82
27) N-Nitroso-di-n-propyla...	5.863	70	1602	2.32	ng	75
28) 3&4-Methylphenol	5.869	108	1851	2.26	ng	70
31) Nitrobenzene	5.997	77	2277	2.11	ng	80
32) Isophorone	6.184	82	3742	2.05	ng	74
33) 2-Nitrophenol	6.248	139	1104	2.17	ng	84
34) 2,4-Dimethylphenol	6.280	107	2206	2.25	ng	93
35) Benzoic Acid	6.543	105	91	0.21	ng	# 1
36) bis(2-Chloroethoxy)met...	6.355	93	1987	2.10	ng	87
37) 2,4-Dichlorophenol	6.436	162	1681	2.23	ng	74
38) 1,2,4-Trichlorobenzene	6.494	180	2046	2.40	ng	79
39) Naphthalene	6.559	128	5894	2.19	ng	92
40) 4-Chloroaniline	6.596	127	1749	2.17	ng	98
41) Hexachlorobutadiene	6.650	225	1129	2.29	ng	85
42) Caprolactam	6.842	113	633	2.15	ng	34
43) 4-Chloro-3-methylphenol	6.960	107	1764	2.18	ng	98
44) 2-Methylnaphthalene	7.077	142	4057	2.21	ng	85
45) Methylnaphthalenes (To...	7.077	142	4057	2.21	ng	85
46) 1,1'-Biphenyl	7.441	154	5447	2.31	ng	86
48) 1,2,4,5-Tetrachloroben...	7.206	216	1817	2.05	ng	90
49) Hexachlorocyclopentadiene	7.195	237	74	0.14	ng	# 27
50) 2,4,6-Trichlorophenol	7.297	196	1332m	2.41	ng	
51) 2,4,5-Trichlorophenol	7.323	196	1211	2.11	ng	82
53) 2-Chloronaphthalene	7.463	162	4133	2.35	ng	92
54) 1,4-Dimethylnaphthalene	7.735	156	2457	1.87	ng	68
55) Dimethylnaphthalenes (...)	7.735	156	2457	1.87	ng	68
56) Diphenyl Ether	7.527	170	2990	2.30	ng	75
57) 2-Nitroaniline	7.537	65	1948	2.11	ng	73
58) Acenaphthylene	7.810	152	6232	2.22	ng	95
59) Dimethylphthalate	7.682	163	4808	2.30	ng	84
60) 2,6-Dinitrotoluene	7.741	165	1107	2.49	ng	41
61) Acenaphthene	7.955	153	3815	2.09	ng	82
62) 3-Nitroaniline	7.885	138	770	1.94	ng	45
63) 2,4-Dinitrophenol	0.000		0	N.D.		
64) Dibenzofuran	8.110	168	5086	2.01	ng	95
65) 2,4-Dinitrotoluene	8.088	165	1236	1.89	ng	72

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@2PPM
 Data File: 9M24667.D
 Acq On : 04/27/10 09:05

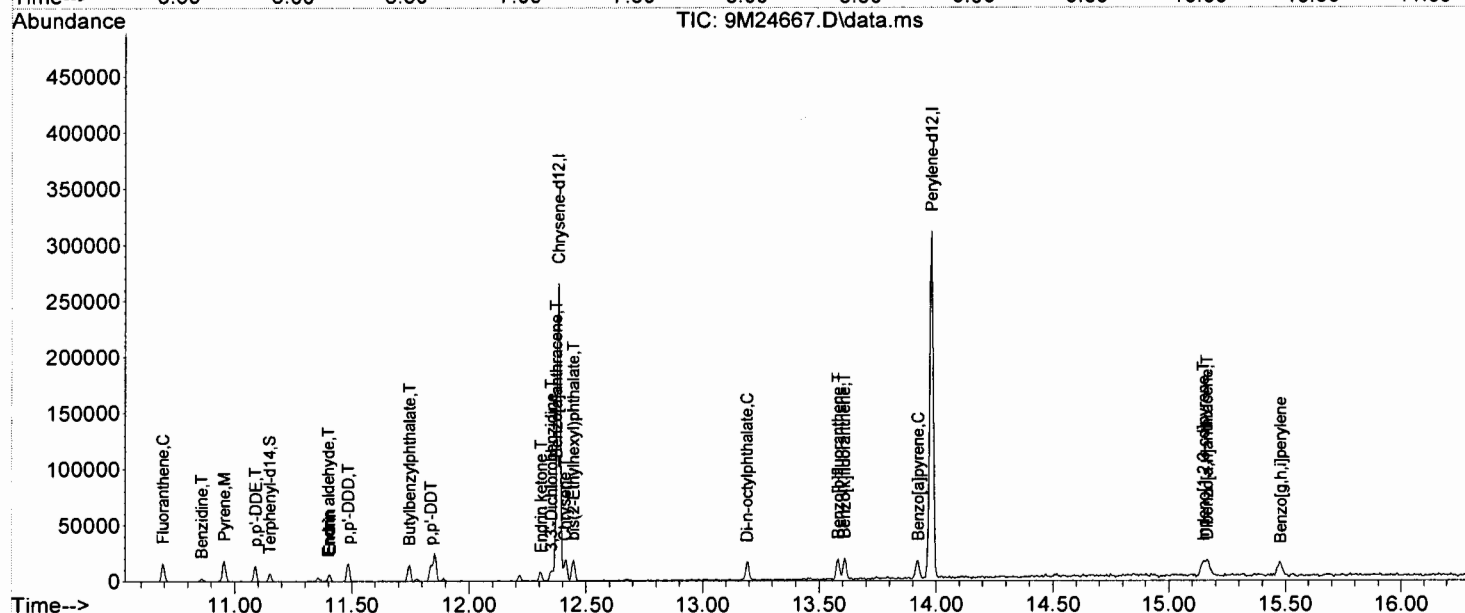
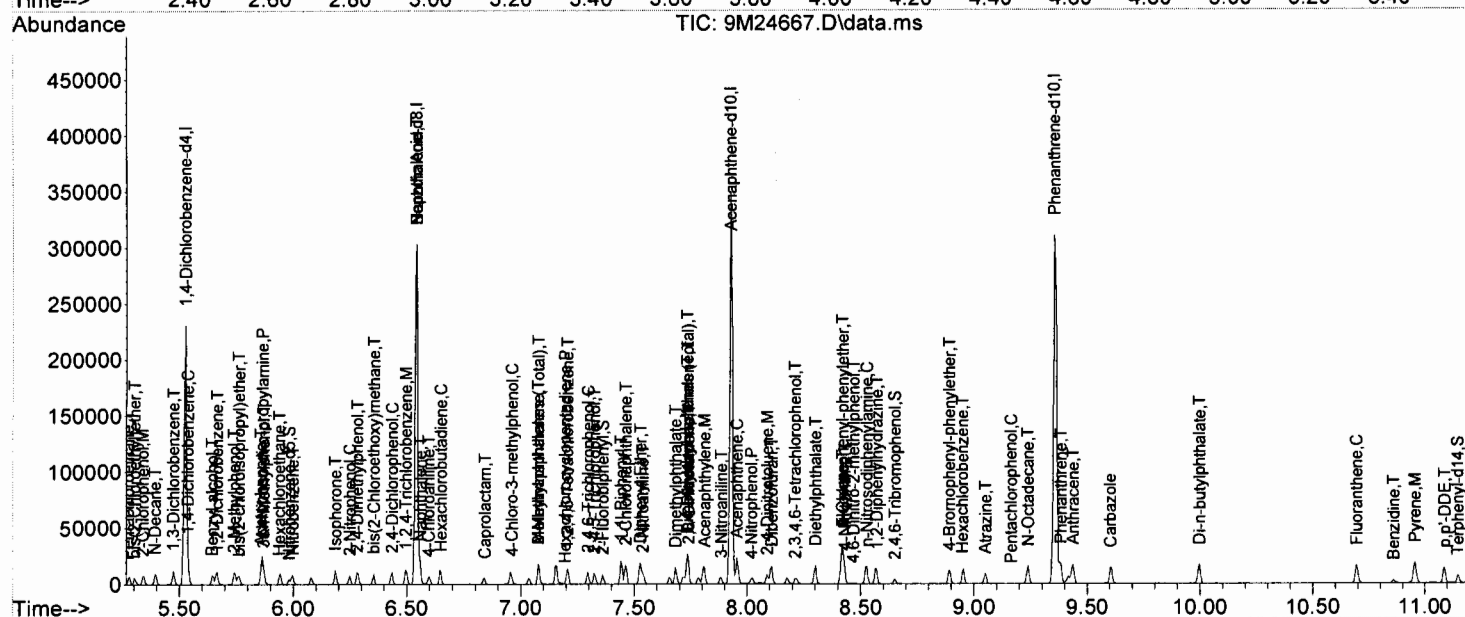
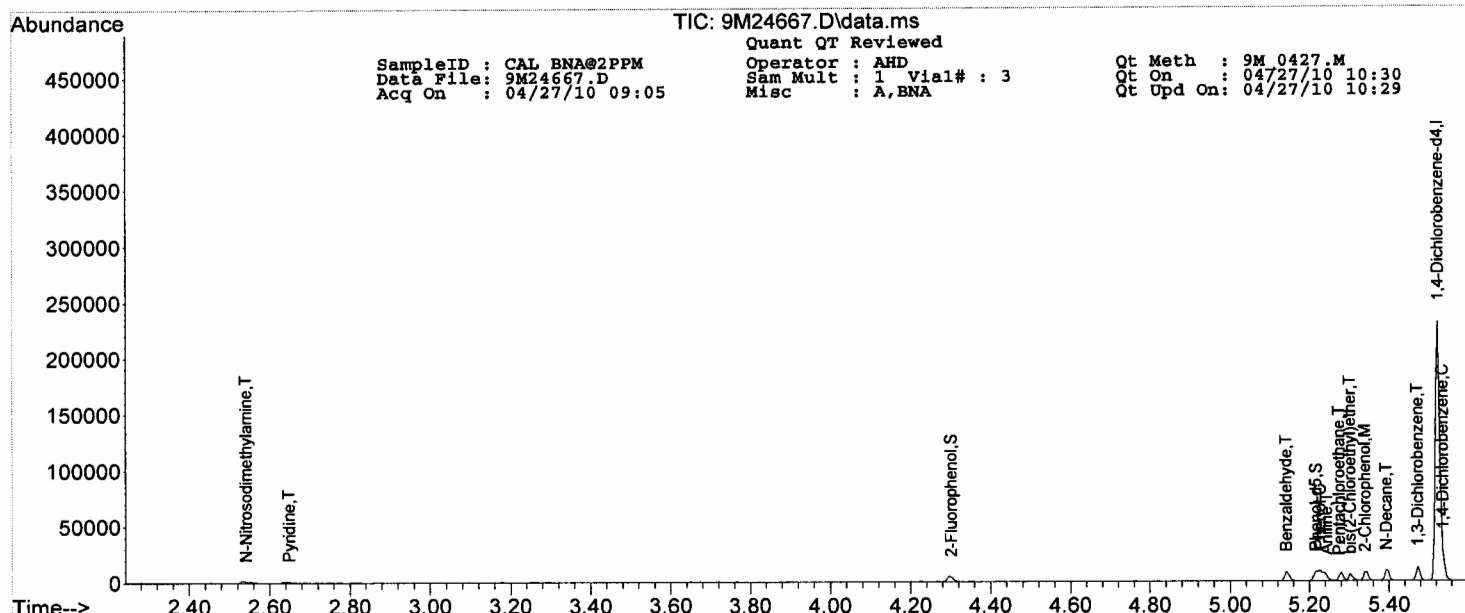
Operator : AHD
 Sam Mult : 1 Vial# : 3
 Misc : A,BNA

Qt Meth : 9M_0427.M
 Qt On : 04/27/10 10:30
 Qt Upd On: 04/27/10 10:29

Data Path : G:\GcMsData\2010\GCMS_9\Data\04-27-10\
 Qt Path : G:\GCMSDATA\2010\GCMS_9\METHODQT\
 Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66) 4-Nitrophenol	8.019	65	701	1.46	ng	50
67) 2,3,4,6-Tetrachlorophenol	8.211	232	746	1.53	ng	59
68) Fluorene	8.420	166	4544	2.18	ng	98
69) 4-Chlorophenyl-phenyle...	8.420	204	2282	2.29	ng	60
70) Diethylphthalate	8.302	149	5069	2.35	ng	93
71) 4-Nitroaniline	8.431	138	1046	2.10	ng	93
72) Atrazine	9.051	200	1077	1.71	ng	82
74) 4,6-Dinitro-2-methylph...	8.468	198	132	0.37	ng	2
75) n-Nitrosodiphenylamine	8.527	169	3693	2.13	ng	100
77) 1,2-Diphenylhydrazine	8.570	77	5174	2.17	ng	93
78) 4-Bromophenyl-phenylether	8.891	248	1358	2.36	ng	80
79) Hexachlorobenzene	8.949	284	1608	3.05	ng	62
80) N-Octadecane	9.238	57	2142	2.30	ng	70
81) Pentachlorophenol	9.163	266	116m	0.38	ng	
82) Phenanthrene	9.383	178	6746	2.33	ng	95
83) Anthracene	9.436	178	6667	2.23	ng	88
84) Carbazole	9.602	167	6056	2.15	ng	95
85) Di-n-butylphthalate	9.998	149	8620	2.35	ng	95
86) Fluoranthene	10.693	202	6801	2.12	ng	85
88) Pyrene	10.955	202	7687	2.19	ng	86
89) Benzidine	10.859	184	1713	1.63	ng	64
91) p,p'-DDE	11.089	246	1842	2.21	ng	90
92) Endrin	11.404	81	513	1.95	ng	80
93) p,p'-DDD	11.485	235	3137	2.31	ng	94
94) Butylbenzylphthalate	11.747	149	3549	2.17	ng	71
95) Endrin aldehyde	11.399	67	58m	0.67	ng	
96) p,p'-DDT	11.838	235	2398	1.93	ng	93
97) Endrin ketone	12.308	317	210	1.68	ng	61
98) 3,3'-Dichlorobenzidine	12.351	252	2592	3.12	ng	94
99) Benzo[a]anthracene	12.373	228	7554	2.31	ng	88
100) Chrysene	12.410	228	7393	2.44	ng	83
101) bis(2-Ethylhexyl)phtha...	12.447	149	5294	2.16	ng	90
103) Di-n-octylphthalate	13.191	149	8392	1.83	ng	93
104) Benzo[b]fluoranthene	13.581	252	8196	2.35	ng	82
105) Benzo[k]fluoranthene	13.608	252	7257	2.23	ng	93
106) Benzo[a]pyrene	13.924	252	6906	2.13	ng	89
107) Indeno[1,2,3-cd]pyrene	15.149	276	7851	2.52	ng	95
108) Dibenzo[a,h]anthracene	15.165	278	6207	2.46	ng	66
109) Benzo[g,h,i]perylene	15.480	276	6750	2.52	ng	89

(#) = qualifier out of range (m) = manual integration (+) = signals summed



SampleID : CAL BNA@10PPM
Data File: 9M24668.D
Acq On : 04/27/10 09:28

Operator : AHD
Sam Mult : 1 Vial# : 4
Misc : A,BNA

Qt Meth : 9M_0427.M
Qt On : 04/27/10 10:31
Qt Upd On: 04/27/10 10:29

Data Path : G:\GCMSData\2010\GCMS_9\Data\04-27-10\
Qt Path : G:\GCMSDATA\2010\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.526	152	26950	40.00	ng	0.00
29) Naphthalene-d8	6.543	136	103396	40.00	ng	0.00
47) Acenaphthene-d10	7.928	164	57684	40.00	ng	0.00
73) Phenanthrene-d10	9.356	188	100871	40.00	ng	0.00
87) Chrysene-d12	12.383	240	96415	40.00	ng	0.00
102) Perylene-d12	13.982	264	105065	40.00	ng	0.00
System Monitoring Compounds						
10) 2-Fluorophenol	4.296	112	7437	9.68	ng	0.00
Spiked Amount 100.000			Recovery =	9.68%		
15) Phenol-d5	5.216	99	8889	8.55	ng	0.00
Spiked Amount 100.000			Recovery =	8.55%		
30) Nitrobenzene-d5	5.981	128	1979	4.11	ng	0.00
Spiked Amount 50.000			Recovery =	8.22%		
52) 2-Fluorobiphenyl	7.361	172	9898	5.08	ng	0.00
Spiked Amount 50.000			Recovery =	10.16%		
76) 2,4,6-Tribromophenol	8.650	330	1655	9.43	ng	0.00
Spiked Amount 100.000			Recovery =	9.43%		
90) Terphenyl-d14	11.148	244	13701	5.24	ng	0.00
Spiked Amount 50.000			Recovery =	10.48%		
Target Compounds						
8) Pyridine	2.590	79	6431	7.74	ng	61
9) N-Nitrosodimethylamine	2.520	74	3899	7.71	ng	75
11) Benzaldehyde	5.141	77	7397	10.00	ng	95
12) Aniline	5.243	93	7927	6.82	ng	8
13) Pentachloroethane	5.280	117	2907	11.04	ng	86
14) bis(2-Chloroethyl)ether	5.307	93	7094	9.52	ng	70
16) Phenol	5.227	94	9468	8.41	ng	91
17) 2-Chlorophenol	5.339	128	9337	10.37	ng	80
18) N-Decane	5.398	57	5873m	9.59	ng	
19) 1,3-Dichlorobenzene	5.473	146	9665	10.01	ng	95
20) 1,4-Dichlorobenzene	5.537	146	10015	9.93	ng	91
21) 1,2-Dichlorobenzene	5.665	146	9241	10.27	ng	95
22) Benzyl alcohol	5.644	108	4637	7.86	ng	89
23) bis(2-chloroisopropyl)...	5.756	45	8271	12.81	ng	50
24) 2-Methylphenol	5.740	108	6881	8.42	ng	92
25) Acetophenone	5.858	105	11425	9.68	ng	69
26) Hexachloroethane	5.938	117	3851	9.18	ng	95
27) N-Nitroso-di-n-propyla...	5.863	70	6084	8.73	ng	89
28) 3&4-Methylphenol	5.869	108	8035	9.75	ng	95
31) Nitrobenzene	5.997	77	9257	8.47	ng	86
32) Isophorone	6.184	82	16339	8.82	ng	93
33) 2-Nitrophenol	6.248	139	4695	9.09	ng	94
34) 2,4-Dimethylphenol	6.280	107	9038	9.07	ng	94
35) Benzoic Acid	6.339	105	1102	2.57	ng	98
36) bis(2-Chloroethoxy)met...	6.355	93	8584	8.94	ng	84
37) 2,4-Dichlorophenol	6.436	162	7281	9.52	ng	81
38) 1,2,4-Trichlorobenzene	6.494	180	8889	10.27	ng	82
39) Naphthalene	6.559	128	27591	10.11	ng	96
40) 4-Chloroaniline	6.596	127	7288	8.92	ng	98
41) Hexachlorobutadiene	6.649	225	4894	9.78	ng	91
42) Caprolactam	6.847	113	2697	9.03	ng	71
43) 4-Chloro-3-methylphenol	6.954	107	7327	8.91	ng	70
44) 2-Methylnaphthalene	7.077	142	19318	10.40	ng	90
45) Methylnaphthalenes (To...	7.077	142	19318	10.40	ng	90
46) 1,1'-Biphenyl	7.441	154	22044	9.23	ng	93
48) 1,2,4,5-Tetrachloroben...	7.206	216	8669	10.24	ng	96
49) Hexachlorocyclopentadiene	7.200	237	1987	3.97	ng	96
50) 2,4,6-Trichlorophenol	7.297	196	4763	9.04	ng	95
51) 2,4,5-Trichlorophenol	7.323	196	5193	9.51	ng	95
53) 2-Chloronaphthalene	7.462	162	17640	10.53	ng	93
54) 1,4-Dimethylnaphthalene	7.735	156	12555	10.05	ng	92
55) Dimethylnaphthalenes (...)	7.735	156	12555	10.05	ng	92
56) Diphenyl Ether	7.527	170	12718	10.25	ng	79
57) 2-Nitroaniline	7.543	65	7165	8.14	ng	70
58) Acenaphthylene	7.810	152	27237	10.18	ng	97
59) Dimethylphthalate	7.687	163	20535	10.33	ng	97
60) 2,6-Dinitrotoluene	7.741	165	4221	9.95	ng	67
61) Acenaphthene	7.955	153	17450	10.03	ng	95
62) 3-Nitroaniline	7.885	138	4435	11.74	ng	86
63) 2,4-Dinitrophenol	7.976	184	1071	4.03	ng	91
64) Dibenzofuran	8.110	168	23750	9.88	ng	88
65) 2,4-Dinitrotoluene	8.088	165	6346	10.20	ng	72

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@10PPM
 Data File: 9M24668.D
 Acq On : 04/27/10 09:28

Operator : AHD
 Sam Mult : 1 Vial# : 4
 Misc : A,BNA

Qt Meth : 9M_0427.M
 Qt On : 04/27/10 10:31
 Qt Upd On: 04/27/10 10:29

Data Path : G:\GCMSData\2010\GCMS_9\Data\04-27-10\
 Qt Path : G:\GCMSDATA\2010\GCMS_9\METHODQT\
 Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66) 4-Nitrophenol	8.019	65	3171	6.91	ng	23
67) 2,3,4,6-Tetrachlorophenol	8.217	232	4590	9.87	ng	83
68) Fluorene	8.420	166	19555	9.83	ng	96
69) 4-Chlorophenyl-phenyle...	8.415	204	10108	10.65	ng	83
70) Diethylphthalate	8.302	149	21389	10.43	ng	99
71) 4-Nitroaniline	8.431	138	5345	11.25	ng	85
72) Atrazine	9.051	200	5955	9.92	ng	98
74) 4,6-Dinitro-2-methylph...	8.463	198	2622	7.26	ng	28
75) n-Nitrosodiphenylamine	8.527	169	17916	10.36	ng	97
77) 1,2-Diphenylhydrazine	8.570	77	23588	9.89	ng	89
78) 4-Bromophenyl-phenylether	8.896	248	5935	10.33	ng	83
79) Hexachlorobenzene	8.955	284	5545	10.52	ng	76
80) N-Octadecane	9.238	57	9304	9.98	ng	66
81) Pentachlorophenol	9.153	266	1489	4.86	ng	84
82) Phenanthrene	9.383	178	29488	10.21	ng	97
83) Anthracene	9.436	178	29495	9.87	ng	98
84) Carbazole	9.607	167	27528	9.77	ng	96
85) Di-n-butylphthalate	9.998	149	35694	9.76	ng	97
86) Fluoranthene	10.698	202	31291	9.78	ng	79
88) Pyrene	10.955	202	34107	9.30	ng	83
89) Benzidine	10.859	184	8474	7.69	ng	89
91) p,p'-DDE	11.089	246	8536	9.81	ng	88
92) Endrin	11.404	81	2956	10.73	ng	82
93) p,p'-DDD	11.485	235	12858	9.05	ng	92
94) Butylbenzylphthalate	11.747	149	15884	9.30	ng	83
95) Endrin aldehyde	11.404	67	771m	8.50	ng	
96) p,p'-DDT	11.838	235	12074	9.30	ng	97
97) Endrin ketone	12.308	317	1249	9.53	ng	94
98) 3,3'-Dichlorobenzidine	12.351	252	8158	9.41	ng	93
99) Benzo[a]anthracene	12.373	228	33617	9.85	ng	96
100) Chrysene	12.415	228	30748	9.71	ng	98
101) bis(2-Ethylhexyl)phtha...	12.447	149	24355	9.49	ng	93
103) Di-n-octylphthalate	13.191	149	38253	8.36	ng	96
104) Benzo[b]fluoranthene	13.581	252	35315	10.17	ng	88
105) Benzo[k]fluoranthene	13.613	252	30110	9.31	ng	90
106) Benzo[a]pyrene	13.924	252	31342	9.69	ng	89
107) Indeno[1,2,3-cd]pyrene	15.148	276	33211	10.72	ng	89
108) Dibenzo[a,h]anthracene	15.170	278	27063	10.79	ng	84
109) Benzo[g,h,i]perylene	15.480	276	27939	10.48	ng	87

(#) = qualifier out of range (m) = manual integration (+) = signals summed

SampleID : CAL BNA@20PPM
Data File: 9M24669.D
Acq On : 04/27/10 09:51

Operator : AHD
Sam Mult : 1 Vial# : 5
Misc : A,BNA

Qt Meth : 9M_0427.M
Qt On : 04/27/10 10:31
Qt Upd On: 04/27/10 10:29

Data Path : G:\GcMsData\2010\GCMS_9\Data\04-27-10\
Qt Path : G:\GCMSDATA\2010\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.526	152	26936	40.00	ng	0.00
29) Naphthalene-d8	6.542	136	101382	40.00	ng	0.00
47) Acenaphthene-d10	7.928	164	57579	40.00	ng	0.00
73) Phenanthrene-d10	9.356	188	97871	40.00	ng	0.00
87) Chrysene-d12	12.389	240	91766	40.00	ng	0.00
102) Perylene-d12	13.982	264	101311	40.00	ng	0.00
System Monitoring Compounds						
10) 2-Fluorophenol	4.296	112	12806	16.68	ng	0.00
Spiked Amount 100.000			Recovery =	16.68%		
15) Phenol-d5	5.216	99	18290	17.59	ng	0.00
Spiked Amount 100.000			Recovery =	17.59%		
30) Nitrobenzene-d5	5.981	128	4340	9.19	ng	0.00
Spiked Amount 50.000			Recovery =	18.38%		
52) 2-Fluorobiphenyl	7.361	172	18891	9.72	ng	0.00
Spiked Amount 50.000			Recovery =	19.44%		
76) 2,4,6-Tribromophenol	8.650	330	3395	19.94	ng	0.00
Spiked Amount 100.000			Recovery =	19.94%		
90) Terphenyl-d14	11.153	244	24909	10.01	ng	0.00
Spiked Amount 50.000			Recovery =	20.02%		
Target Compounds						
8) Pyridine	2.579	79	12984	15.64	ng	68
9) N-Nitrosodimethylamine	2.520	74	8879	17.57	ng	83
11) Benzaldehyde	5.141	77	13087	17.71	ng	87
12) Aniline	5.237	93	18196	15.66	ng	15
13) Pentachloroethane	5.280	117	5082	19.31	ng	73
14) bis(2-Chloroethyl) ether	5.307	93	13618	18.29	ng	73
16) Phenol	5.227	94	18901	16.80	ng	97
17) 2-Chlorophenol	5.344	128	17088	18.98	ng	73
18) N-Decane	5.398	57	11386	18.60	ng	59
19) 1,3-Dichlorobenzene	5.473	146	18697	19.37	ng	93
20) 1,4-Dichlorobenzene	5.542	146	19614	19.47	ng	92
21) 1,2-Dichlorobenzene	5.665	146	18277	20.32	ng	96
22) Benzyl alcohol	5.644	108	9227	15.64	ng	93
23) bis(2-chloroisopropyl)...	5.762	45	14872	23.04	ng	54
24) 2-Methylphenol	5.740	108	14039	17.19	ng	99
25) Acetophenone	5.863	105	21911	18.57	ng	76
26) Hexachloroethane	5.943	117	7896	18.83	ng	73
27) N-Nitroso-di-n-propyla...	5.863	70	13273	19.06	ng	80
28) 3&4-Methylphenol	5.869	108	14976	18.19	ng	99
31) Nitrobenzene	5.997	77	18288	17.08	ng	80
32) Isophorone	6.184	82	31363	17.26	ng	83
33) 2-Nitrophenol	6.248	139	9448	18.66	ng	98
34) 2,4-Dimethylphenol	6.280	107	16976	17.38	ng	85
35) Benzoic Acid	6.350	105	5365m	12.75	ng	
36) bis(2-Chloroethoxy)met...	6.355	93	17462	18.55	ng	99
37) 2,4-Dichlorophenol	6.436	162	14749	19.68	ng	84
38) 1,2,4-Trichlorobenzene	6.500	180	17259	20.34	ng	95
39) Naphthalene	6.559	128	51647	19.30	ng	97
40) 4-Chloroaniline	6.596	127	15702	19.61	ng	99
41) Hexachlorobutadiene	6.649	225	10026	20.44	ng	97
42) Caprolactam	6.853	113	4940	16.86	ng	62
43) 4-Chloro-3-methylphenol	6.960	107	13946	17.30	ng	73
44) 2-Methylnaphthalene	7.077	142	35167	19.30	ng	88
45) Methylnaphthalenes (To...	7.077	142	35167	19.30	ng	88
46) 1,1'-Biphenyl	7.441	154	42242	18.03	ng	95
48) 1,2,4,5-Tetrachloroben...	7.206	216	17395	20.59	ng	95
49) Hexachlorocyclopentadiene	7.200	237	5362	10.73	ng	85
50) 2,4,6-Trichlorophenol	7.297	196	10061	19.13	ng	97
51) 2,4,5-Trichlorophenol	7.329	196	11229	20.61	ng	90
53) 2-Chloronaphthalene	7.462	162	33578	20.07	ng	95
54) 1,4-Dimethylnaphthalene	7.735	156	25512	20.47	ng	90
55) Dimethylnaphthalenes (...)	7.735	156	25512	20.47	ng	90
56) Diphenyl Ether	7.527	170	22530	18.19	ng	86
57) 2-Nitroaniline	7.543	65	14545	16.56	ng	58
58) Acenaphthylene	7.810	152	52409	19.62	ng	94
59) Dimethylphthalate	7.687	163	36998	18.64	ng	98
60) 2,6-Dinitrotoluene	7.741	165	8625	20.36	ng	71
61) Acenaphthene	7.955	153	33600	19.34	ng	95
62) 3-Nitroaniline	7.885	138	7615	20.19	ng	78
63) 2,4-Dinitrophenol	7.976	184	3891	14.68	ng	88
64) Dibenzofuran	8.110	168	46685	19.45	ng	89
65) 2,4-Dinitrotoluene	8.088	165	11797	19.00	ng	76

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@20PPM
 Data File: 9M24669.D
 Acq On : 04/27/10 09:51

Operator : AHD
 Sam Mult : 1 Vial# : 5
 Misc : A,BNA

Qt Meth : 9M_0427.M
 Qt On : 04/27/10 10:31
 Qt Upd On: 04/27/10 10:29

Data Path : G:\GCMSData\2010\GCMS_9\Data\04-27-10\
 Qt Path : G:\GCMSDATA\2010\GCMS_9\METHODQT\
 Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66) 4-Nitrophenol	8.019	65	6306	13.77	ng	76
67) 2,3,4,6-Tetrachlorophenol	8.217	232	8951	19.29	ng	85
68) Fluorene	8.425	166	37173	18.71	ng	97
69) 4-Chlorophenyl-phenyle...	8.415	204	19075	20.14	ng	92
70) Diethylphthalate	8.302	149	38673	18.89	ng	96
71) 4-Nitroaniline	8.431	138	9944	20.97	ng	91
72) Atrazine	9.056	200	11773	19.65	ng	99
74) 4,6-Dinitro-2-methylph...	8.463	198	6639	18.95	ng	53
75) n-Nitrosodiphenylamine	8.527	169	34219	20.40	ng	97
77) 1,2-Diphenylhydrazine	8.570	77	44276	19.13	ng	89
78) 4-Bromophenyl-phenylether	8.896	248	12126	21.75	ng	83
79) Hexachlorobenzene	8.955	284	10439	20.42	ng	73
80) N-Octadecane	9.238	57	16931	18.73	ng	67
81) Pentachlorophenol	9.153	266	3798	12.77	ng	85
82) Phenanthrene	9.383	178	56001	19.99	ng	99
83) Anthracene	9.436	178	57892	19.96	ng	98
84) Carbazole	9.607	167	55050	20.13	ng	95
85) Di-n-butylphthalate	9.998	149	68753	19.38	ng	97
86) Fluoranthene	10.698	202	60901	19.62	ng	78
88) Pyrene	10.955	202	67474	19.33	ng	85
89) Benzidine	10.859	184	18511	17.66	ng	94
91) p,p'-DDE	11.089	246	14877	17.96	ng	88
92) Endrin	11.399	81	5192	19.80	ng	72
93) p,p'-DDD	11.485	235	25225	18.66	ng	91
94) Butylbenzylphthalate	11.747	149	30365	18.68	ng	82
95) Endrin aldehyde	11.404	67	1223	14.17	ng	64
96) p,p'-DDT	11.838	235	23606	19.11	ng	92
97) Endrin ketone	12.308	317	2383	19.11	ng	96
98) 3,3'-Dichlorobenzidine	12.356	252	15220	18.45	ng	93
99) Benzo[a]anthracene	12.372	228	64128	19.74	ng	98
100) Chrysene	12.415	228	59997	19.92	ng	97
101) bis(2-Ethylhexyl)phtha...	12.447	149	46846	19.18	ng	99
103) Di-n-octylphthalate	13.196	149	76599	17.37	ng	96
104) Benzo[b]fluoranthene	13.581	252	64196	19.17	ng	88
105) Benzo[k]fluoranthene	13.613	252	63672	20.42	ng	92
106) Benzo[a]pyrene	13.924	252	62938	20.19	ng	92
107) Indeno[1,2,3-cd]pyrene	15.154	276	62411	20.90	ng	90
108) Dibenzo[a,h]anthracene	15.170	278	50274	20.79	ng	91
109) Benzo[g,h,i]perylene	15.485	276	53818	20.93	ng	83

(#) = qualifier out of range (m) = manual integration (+) = signals summed

SampleID : CAL BNA@80PPM
Data File: 9M24670.D
Acq On : 04/27/10 10:14

Operator : AHD
Sam Mult : 1 Vial# : 6
Misc : A,BNA

Qt Meth : 9M_0427.M
Qt On : 04/27/10 10:39
Qt Upd On: 04/27/10 10:29

Data Path : G:\GCMSData\2010\GCMS_9\Data\04-27-10\
Qt Path : G:\GCMSData\2010\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.526	152	28057	40.00	ng	0.00
29) Naphthalene-d8	6.543	136	101936	40.00	ng	0.00
47) Acenaphthene-d10	7.933	164	59542	40.00	ng	0.00
73) Phenanthrene-d10	9.361	188	98219	40.00	ng	0.00
87) Chrysene-d12	12.394	240	95238	40.00	ng	0.00
102) Perylene-d12	13.983	264	101027	40.00	ng	0.00
System Monitoring Compounds						
10) 2-Fluorophenol	4.296	112	57792	72.27	ng	0.00
Spiked Amount 100.000			Recovery =	72.27%		
15) Phenol-d5	5.221	99	74928	69.19	ng	0.00
Spiked Amount 100.000			Recovery =	69.19%		
30) Nitrobenzene-d5	5.986	128	17132	36.08	ng	0.00
Spiked Amount 50.000			Recovery =	72.16%		
52) 2-Fluorobiphenyl	7.366	172	77145	38.37	ng	0.00
Spiked Amount 50.000			Recovery =	76.74%		
76) 2,4,6-Tribromophenol	8.655	330	14223	83.23	ng	0.00
Spiked Amount 100.000			Recovery =	83.23%		
90) Terphenyl-d14	11.153	244	100470	38.90	ng	0.00
Spiked Amount 50.000			Recovery =	77.80%		
Target Compounds						
8) Pyridine	2.569	79	61945	71.62	ng	66
9) N-Nitrosodimethylamine	2.520	74	34539	65.62	ng	83
11) Benzaldehyde	5.147	77	51010	66.27	ng	78
12) Aniline	5.243	93	89676	74.09	ng	17
13) Pentachloroethane	5.280	117	21587	78.75	ng	71
14) bis(2-Chloroethyl)ether	5.312	93	53826	69.40	ng	79
16) Phenol	5.238	94	79549	67.87	ng	73
17) 2-Chlorophenol	5.345	128	70955	75.68	ng	78
18) N-Decane	5.398	57	47226	74.07	ng	64
19) 1,3-Dichlorobenzene	5.478	146	74509	74.11	ng	98
20) 1,4-Dichlorobenzene	5.542	146	78139	74.45	ng	99
21) 1,2-Dichlorobenzene	5.665	146	72801	77.70	ng	98
22) Benzyl alcohol	5.649	108	42222	68.71	ng	88
23) bis(2-chloroisopropyl)...	5.762	45	57997	86.25	ng	44
24) 2-Methylphenol	5.746	108	58699	69.01	ng	100
25) Acetophenone	5.869	105	85533	69.60	ng	76
26) Hexachloroethane	5.944	117	32234	73.80	ng	87
27) N-Nitroso-di-n-propyla...	5.869	70	50285	69.33	ng	90
28) 3&4-Methylphenol	5.874	108	62050	72.34	ng	94
31) Nitrobenzene	6.002	77	73407	68.17	ng	85
32) Isophorone	6.195	82	127408	69.73	ng	83
33) 2-Nitrophenol	6.254	139	38925	76.45	ng	95
34) 2,4-Dimethylphenol	6.286	107	72628	73.97	ng	98
35) Benzoic Acid	6.387	105	37687m	89.07	ng	
36) bis(2-Chloroethoxy)met...	6.361	93	69413	73.36	ng	94
37) 2,4-Dichlorophenol	6.436	162	58763	77.96	ng	86
38) 1,2,4-Trichlorobenzene	6.500	180	71539	83.85	ng	96
39) Naphthalene	6.559	128	207154	76.97	ng	98
40) 4-Chloroaniline	6.601	127	68319	84.85	ng	97
41) Hexachlorobutadiene	6.650	225	38033	77.13	ng	95
42) Caprolactam	6.896	113	22549	76.54	ng	54
43) 4-Chloro-3-methylphenol	6.965	107	56839	70.13	ng	80
44) 2-Methylnaphthalene	7.083	142	144207	78.71	ng	100
45) Methylnaphthalenes (To...	7.083	142	144207	78.71	ng	100
46) 1,1'-Biphenyl	7.447	154	169944	72.14	ng	94
48) 1,2,4,5-Tetrachloroben...	7.211	216	70316	80.50	ng	97
49) Hexachlorocyclopentadiene	7.200	237	32917	63.72	ng	98
50) 2,4,6-Trichlorophenol	7.302	196	43691	80.32	ng	97
51) 2,4,5-Trichlorophenol	7.334	196	46539	82.61	ng	99
53) 2-Chloronaphthalene	7.468	162	133201	77.00	ng	94
54) 1,4-Dimethylnaphthalene	7.741	156	101393	78.67	ng	93
55) Dimethylnaphthalenes (...)	7.741	156	101393	78.67	ng	93
56) Diphenyl Ether	7.532	170	97351	76.01	ng	83
57) 2-Nitroaniline	7.548	65	57930	63.78	ng	63
58) Acenaphthylene	7.816	152	215524	78.04	ng	97
59) Dimethylphthalate	7.698	163	153664	74.86	ng	97
60) 2,6-Dinitrotoluene	7.751	165	34790	79.43	ng	57
61) Acenaphthene	7.965	153	139768	77.81	ng	91
62) 3-Nitroaniline	7.896	138	33200	85.12	ng	80
63) 2,4-Dinitrophenol	7.987	184	24371	88.92	ng	88
64) Dibenzofuran	8.115	168	188042	75.75	ng	89
65) 2,4-Dinitrotoluene	8.099	165	49223	76.67	ng	73

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@80PPM Operator : AHD Qt Meth : 9M_0427.M
 Data File: 9M24670.D Sam Mult : 1 Vial# : 6 Qt On : 04/27/10 10:39
 Acq On : 04/27/10 10:14 Misc : A,BNA Qt Upd On: 04/27/10 10:29

Data Path : G:\GCMSData\2010\GCMS_9\Data\04-27-10\
 Qt Path : G:\GCMSDATA\2010\GCMS_9\METHODQT\
 Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66) 4-Nitrophenol	8.030	65	29058	61.36	ng	66
67) 2,3,4,6-Tetrachlorophenol	8.222	232	39347	81.99	ng	87
68) Fluorene	8.431	166	153318	74.63	ng	99
69) 4-Chlorophenyl-phenyle...	8.420	204	74628	76.21	ng	93
70) Diethylphthalate	8.313	149	157966	74.62	ng	98
71) 4-Nitroaniline	8.452	138	40492	82.59	ng	91
72) Atrazine	9.067	200	47847	77.22	ng	93
74) 4,6-Dinitro-2-methylph...	8.479	198	31037	88.29	ng	55
75) n-Nitrosodiphenylamine	8.538	169	133453	79.28	ng	99
77) 1,2-Diphenylhydrazine	8.575	77	177609	76.47	ng	87
78) 4-Bromophenyl-phenylether	8.896	248	46364	82.86	ng	90
79) Hexachlorobenzene	8.960	284	43021	83.84	ng	79
80) N-Octadecane	9.244	57	71697	79.02	ng	70
81) Pentachlorophenol	9.158	266	24410	81.75	ng	95
82) Phenanthrene	9.388	178	223055	79.34	ng	99
83) Anthracene	9.442	178	230680	79.24	ng	98
84) Carbazole	9.613	167	219860	80.11	ng	97
85) Di-n-butylphthalate	10.003	149	278952	78.37	ng	98
86) Fluoranthene	10.704	202	249652	80.15	ng	85
88) Pyrene	10.966	202	271088	74.81	ng	80
89) Benzidine	10.864	184	97327	89.47	ng	79
91) p,p'-DDE	11.094	246	62695	72.91	ng	89
92) Endrin	11.410	81	20182	74.17	ng	65
93) p,p'-DDD	11.490	235	106657	76.00	ng	92
94) Butylbenzylphthalate	11.752	149	131193	77.78	ng	80
95) Endrin aldehyde	11.405	67	4993	55.76	ng	72
96) p,p'-DDT	11.843	235	98700	76.99	ng	94
97) Endrin ketone	12.314	317	9338	72.15	ng	96
98) 3,3'-Dichlorobenzidine	12.362	252	74376	86.86	ng	94
99) Benzo[a]anthracene	12.383	228	259660	77.01	ng	98
100) Chrysene	12.426	228	242078	77.43	ng	98
101) bis(2-Ethylhexyl)phtha...	12.453	149	187806	74.09	ng	94
103) Di-n-octylphthalate	13.196	149	320789	72.94	ng	99
104) Benzo[b]fluoranthene	13.592	252	268120	80.28	ng	92
105) Benzo[k]fluoranthene	13.624	252	244781	78.74	ng	90
106) Benzo[a]pyrene	13.934	252	247188	79.52	ng	89
107) Indeno[1,2,3-cd]pyrene	15.170	276	251735	84.53	ng	88
108) Dibenzo[a,h]anthracene	15.186	278	203226	84.28	ng	88
109) Benzo[g,h,i]perylene	15.507	276	207849	81.05	ng	82

(#) = qualifier out of range (m) = manual integration (+) = signals summed

SampleID : CAL BNA@120PPM
Data File: 9M24671.D
Acq On : 04/27/10 10:37

Operator : AHD
Sam Mult : 1 Vial# : 7
Misc : A,BNA

Qt Meth : 9M_0427.M
Qt On : 04/27/10 11:36
Qt Upd On: 04/27/10 10:29

Data Path : G:\GCMSData\2010\GCMS_9\Data\04-27-10\
Qt Path : G:\GCMSData\2010\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.526	152	25431	40.00	ng	0.00
29) Naphthalene-d8	6.543	136	93753	40.00	ng	0.00
47) Acenaphthene-d10	7.933	164	57858	40.00	ng	0.00
73) Phenanthrene-d10	9.361	188	94891	40.00	ng	0.00
87) Chrysene-d12	12.399	240	84998	40.00	ng	0.01
102) Perylene-d12	13.988	264	92761	40.00	ng	0.00
System Monitoring Compounds						
10) 2-Fluorophenol	4.296	112	85602	118.11	ng	0.00
Spiked Amount 100.000			Recovery =	118.11%		
15) Phenol-d5	5.227	99	107304	109.32	ng	0.00
Spiked Amount 100.000			Recovery =	109.32%		
30) Nitrobenzene-d5	5.986	128	23782	54.45	ng	0.00
Spiked Amount 50.000			Recovery =	108.90%		
52) 2-Fluorobiphenyl	7.366	172	108732	55.66	ng	0.00
Spiked Amount 50.000			Recovery =	111.32%		
76) 2,4,6-Tribromophenol	8.661	330	19507	118.15	ng	0.00
Spiked Amount 100.000			Recovery =	118.15%		
90) Terphenyl-d14	11.158	244	142121	61.66	ng	0.00
Spiked Amount 50.000			Recovery =	123.32%		
Target Compounds						
						Qvalue
8) Pyridine	2.568	79	82054	104.66	ng	62
9) N-Nitrosodimethylamine	2.520	74	52130	109.28	ng	87
11) Benzaldehyde	5.147	77	61166	87.67	ng	85
12) Aniline	5.248	93	126618	115.41	ng	18
13) Pentachloroethane	5.280	117	31357	126.20	ng	75
14) bis(2-Chloroethyl) ether	5.312	93	76253	108.47	ng	80
16) Phenol	5.237	94	107485	101.18	ng	74
17) 2-Chlorophenol	5.350	128	97759	115.04	ng	76
18) N-Decane	5.398	57	65276	112.95	ng	68
19) 1,3-Dichlorobenzene	5.478	146	108818	119.41	ng	98
20) 1,4-Dichlorobenzene	5.542	146	108859	114.43	ng	97
21) 1,2-Dichlorobenzene	5.665	146	101809	119.88	ng	98
22) Benzyl alcohol	5.655	108	59561	106.93	ng	82
23) bis(2-chloroisopropyl)...	5.767	45	80274	131.71	ng	43
24) 2-Methylphenol	5.746	108	79893	103.63	ng	99
25) Acetophenone	5.869	105	122878	110.32	ng	72
26) Hexachloroethane	5.943	117	46957	118.61	ng	92
27) N-Nitroso-di-n-propyla...	5.874	70	70531	107.28	ng	84
28) 3&4-Methylphenol	5.879	108	83564	107.48	ng	92
31) Nitrobenzene	6.008	77	102522	103.51	ng	83
32) Isophorone	6.195	82	175970	104.72	ng	86
33) 2-Nitrophenol	6.254	139	54618	116.64	ng	97
34) 2,4-Dimethylphenol	6.291	107	99127	109.77	ng	94
35) Benzoic Acid	6.403	105	59735m	153.49	ng	
36) bis(2-Chloroethoxy)met...	6.366	93	96996	111.45	ng	96
37) 2,4-Dichlorophenol	6.441	162	85906	123.92	ng	85
38) 1,2,4-Trichlorobenzene	6.500	180	94672	120.65	ng	99
39) Naphthalene	6.564	128	288891	116.71	ng	98
40) 4-Chloroaniline	6.601	127	90226	121.84	ng	99
41) Hexachlorobutadiene	6.649	225	56439	124.45	ng	98
42) Caprolactam	6.912	113	30680	113.23	ng	59
43) 4-Chloro-3-methylphenol	6.970	107	81267	109.03	ng	77
44) 2-Methylnaphthalene	7.083	142	200017	118.71	ng	99
45) Methylnaphthalenes (To...	7.083	142	200017	118.71	ng	99
46) 1,1'-Biphenyl	7.446	154	247794	114.37	ng	94
48) 1,2,4,5-Tetrachloroben...	7.211	216	97552	114.93	ng	97
49) Hexachlorocyclopentadiene	7.200	237	49071	97.76	ng	99
50) 2,4,6-Trichlorophenol	7.302	196	60606	114.66	ng	99
51) 2,4,5-Trichlorophenol	7.334	196	62364	113.92	ng	98
53) 2-Chloronaphthalene	7.468	162	182765	108.72	ng	95
54) 1,4-Dimethylnaphthalene	7.741	156	139557	111.43	ng	97
55) Dimethylnaphthalenes (...)	7.741	156	139557	111.43	ng	97
56) Diphenyl Ether	7.532	170	135115	108.57	ng	83
57) 2-Nitroaniline	7.548	65	81629	92.49	ng	72
58) Acenaphthylene	7.815	152	306114	114.06	ng	98
59) Dimethylphthalate	7.698	163	219263	109.93	ng	99
60) 2,6-Dinitrotoluene	7.751	165	48042	112.87	ng	65
61) Acenaphthene	7.965	153	196381	112.51	ng	94
62) 3-Nitroaniline	7.896	138	45004	118.74	ng	76
63) 2,4-Dinitrophenol	7.987	184	35281	132.47	ng	87
64) Dibenzofuran	8.115	168	260807	108.13	ng	91
65) 2,4-Dinitrotoluene	8.104	165	70914	113.66	ng	73

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@120PPM
 Data File: 9M24671.D
 Acq On : 04/27/10 10:37

Operator : AHD
 Sam Mult : 1 Vial# : 7
 Misc : A,BNA

Qt Meth : 9M_0427.M
 Qt On : 04/27/10 11:36
 Qt Upd On: 04/27/10 10:29

Data Path : G:\GCMSData\2010\GCMS_9\Data\04-27-10\
 Qt Path : G:\GCMSDATA\2010\GCMS_9\METHODQT\
 Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66) 4-Nitrophenol	8.035	65	40582	88.19	ng	67
67) 2,3,4,6-Tetrachlorophenol	8.222	232	55057	118.07	ng	89
68) Fluorene	8.431	166	214210	107.31	ng	97
69) 4-Chlorophenyl-phenyle...	8.425	204	104078	109.38	ng	87
70) Diethylphthalate	8.313	149	216784	105.39	ng	97
71) 4-Nitroaniline	8.457	138	55608	116.72	ng	91
72) Atrazine	9.067	200	66326	110.16	ng	97
74) 4,6-Dinitro-2-methylph...	8.484	198	41866	123.27	ng	45
75) n-Nitrosodiphenylamine	8.538	169	185495	114.06	ng	99
77) 1,2-Diphenylhydrazine	8.575	77	244799	109.09	ng	93
78) 4-Bromophenyl-phenylether	8.901	248	64394	119.12	ng	87
79) Hexachlorobenzene	8.965	284	60812	122.66	ng	71
80) N-Octadecane	9.244	57	99058	113.00	ng	61
81) Pentachlorophenol	9.163	266	35599	123.41	ng	94
82) Phenanthrene	9.393	178	318137	117.13	ng	99
83) Anthracene	9.447	178	329402	117.12	ng	99
84) Carbazole	9.618	167	310879	117.25	ng	97
85) Di-n-butylphthalate	10.003	149	397902	115.71	ng	99
86) Fluoranthene	10.704	202	353798	117.57	ng	87
88) Pyrene	10.966	202	379866	117.47	ng	82
89) Benzidine	10.864	184	120029	123.63	ng	81
91) p,p'-DDE	11.094	246	88830	115.75	ng	90
92) Endrin	11.410	81	28806	118.62	ng	69
93) p,p'-DDD	11.490	235	144685	115.53	ng	91
94) Butylbenzylphthalate	11.757	149	181103	120.30	ng	74
95) Endrin aldehyde	11.410	67	7435	93.03	ng	74
96) p,p'-DDT	11.848	235	139807	122.20	ng	94
97) Endrin ketone	12.319	317	12444	107.73	ng	96
98) 3,3'-Dichlorobenzidine	12.367	252	97343	127.38	ng	93
99) Benzo[a]anthracene	12.389	228	352670	117.20	ng	99
100) Chrysene	12.431	228	329932	118.24	ng	99
101) bis(2-Ethylhexyl)phtha...	12.453	149	257001	113.61	ng	97
103) Di-n-octylphthalate	13.202	149	448697	111.12	ng	100
104) Benzo[b]fluoranthene	13.597	252	382041	124.59	ng	91
105) Benzo[k]fluoranthene	13.629	252	328718	115.16	ng	90
106) Benzo[a]pyrene	13.940	252	336622	117.94	ng	89
107) Indeno[1,2,3-cd]pyrene	15.170	276	345729	126.43	ng	79
108) Dibenzo[a,h]anthracene	15.197	278	281055	126.95	ng	86
109) Benzo[g,h,i]perylene	15.512	276	292387	124.18	ng	84

(#) = qualifier out of range (m) = manual integration (+) = signals summed

SampleID : CAL BNA@160PPM
Data File: 9M24672.D
Acq On : 04/27/10 11:00

Operator : AHD
Sam Mult : 1 Vial# : 8
Misc : A,BNA

Qt Meth : 9M 0427.M
Qt On : 04/27/10 11:37
Qt Upd On: 04/27/10 10:29

Data Path : G:\GCMSData\2010\GCMS_9\Data\04-27-10\
Qt Path : G:\GCMSDATA\2010\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.526	152	25349	40.00	ng	0.00
29) Naphthalene-d8	6.548	136	94350	40.00	ng	0.00
47) Acenaphthene-d10	7.933	164	53846	40.00	ng	0.00
73) Phenanthrene-d10	9.361	188	91834	40.00	ng	0.00
87) Chrysene-d12	12.399	240	86397	40.00	ng	0.01
102) Perylene-d12	13.988	264	90892	40.00	ng	0.00
System Monitoring Compounds						
10) 2-Fluorophenol	4.301	112	111621	154.51	ng	0.00
Spiked Amount 100.000			Recovery =	154.51%		
15) Phenol-d5	5.232	99	137943	140.99	ng	0.01
Spiked Amount 100.000			Recovery =	140.99%		
30) Nitrobenzene-d5	5.992	128	31971	72.74	ng	0.01
Spiked Amount 50.000			Recovery =	145.48%		
52) 2-Fluorobiphenyl	7.366	172	137743	75.76	ng	0.00
Spiked Amount 50.000			Recovery =	151.52%		
76) 2,4,6-Tribromophenol	8.661	330	25726	161.00	ng	0.00
Spiked Amount 100.000			Recovery =	161.00%		
90) Terphenyl-d14	11.158	244	185277	79.08	ng	0.00
Spiked Amount 50.000			Recovery =	158.16%		
Target Compounds						
						Qvalue
8) Pyridine	2.569	79	112033	143.36	ng	63
9) N-Nitrosodimethylamine	2.526	74	67897	142.79	ng	84
11) Benzaldehyde	5.147	77	66200	95.19	ng	90
12) Aniline	5.248	93	160314	146.60	ng	16
13) Pentachloroethane	5.286	117	40531	163.65	ng	78
14) bis(2-Chloroethyl)ether	5.318	93	98215	140.17	ng	80
16) Phenol	5.243	94	140590	132.77	ng	61
17) 2-Chlorophenol	5.350	128	131036	154.70	ng	76
18) N-Decane	5.403	57	86511	150.17	ng	68
19) 1,3-Dichlorobenzene	5.478	146	139000	153.03	ng	94
20) 1,4-Dichlorobenzene	5.542	146	138795	146.37	ng	98
21) 1,2-Dichlorobenzene	5.665	146	130777	154.49	ng	99
22) Benzyl alcohol	5.655	108	74977	135.04	ng	86
23) bis(2-chloroisopropyl)...	5.767	45	105660	173.92	ng	32
24) 2-Methylphenol	5.751	108	108285	140.91	ng	95
25) Acetophenone	5.874	105	161241	145.23	ng	73
26) Hexachloroethane	5.944	117	58114	147.27	ng	82
27) N-Nitroso-di-n-propyla...	5.879	70	91793	140.07	ng	84
28) 3&4-Methylphenol	5.885	108	109415	141.19	ng	100
31) Nitrobenzene	6.008	77	129861	130.29	ng	80
32) Isophorone	6.200	82	231212	136.72	ng	81
33) 2-Nitrophenol	6.254	139	73652	156.30	ng	97
34) 2,4-Dimethylphenol	6.291	107	130289	143.36	ng	97
35) Benzoic Acid	6.420	105	81541m	208.20	ng	
36) bis(2-Chloroethoxy)met...	6.366	93	126148	144.03	ng	95
37) 2,4-Dichlorophenol	6.446	162	108803	155.96	ng	85
38) 1,2,4-Trichlorobenzene	6.500	180	126946	160.76	ng	96
39) Naphthalene	6.564	128	370588	148.77	ng	99
40) 4-Chloroaniline	6.601	127	115362	154.80	ng	98
41) Hexachlorobutadiene	6.650	225	73333	160.67	ng	94
42) Caprolactam	6.922	113	36515	133.91	ng	62
43) 4-Chloro-3-methylphenol	6.970	107	105688	140.90	ng	75
44) 2-Methylnaphthalene	7.083	142	258351	152.36	ng	100
45) Methylnaphthalenes (To...	7.083	142	258351	152.36	ng	100
46) 1,1'-Biphenyl	7.452	154	319787	146.66	ng	91
48) 1,2,4,5-Tetrachloroben...	7.216	216	126856	160.59	ng	95
49) Hexachlorocyclopentadiene	7.200	237	68646	146.94	ng	99
50) 2,4,6-Trichlorophenol	7.302	196	76161	154.82	ng	99
51) 2,4,5-Trichlorophenol	7.340	196	80107	157.24	ng	98
53) 2-Chloronaphthalene	7.473	162	240986	154.04	ng	94
54) 1,4-Dimethylnaphthalene	7.741	156	179330	153.85	ng	96
55) Dimethylnaphthalenes (...)	7.741	156	179330	153.85	ng	96
56) Diphenyl Ether	7.532	170	176053	152.01	ng	87
57) 2-Nitroaniline	7.553	65	70869	86.28	ng	59
58) Acenaphthylene	7.821	152	394213	157.83	ng	99
59) Dimethylphthalate	7.703	163	284387	153.21	ng	98
60) 2,6-Dinitrotoluene	7.757	165	64372	162.51	ng	60
61) Acenaphthene	7.965	153	250096	153.96	ng	96
62) 3-Nitroaniline	7.901	138	56574	160.38	ng	77
63) 2,4-Dinitrophenol	7.992	184	42521	171.55	ng	87
64) Dibenzofuran	8.120	168	331790	147.80	ng	88
65) 2,4-Dinitrotoluene	8.110	165	88934	153.17	ng	82

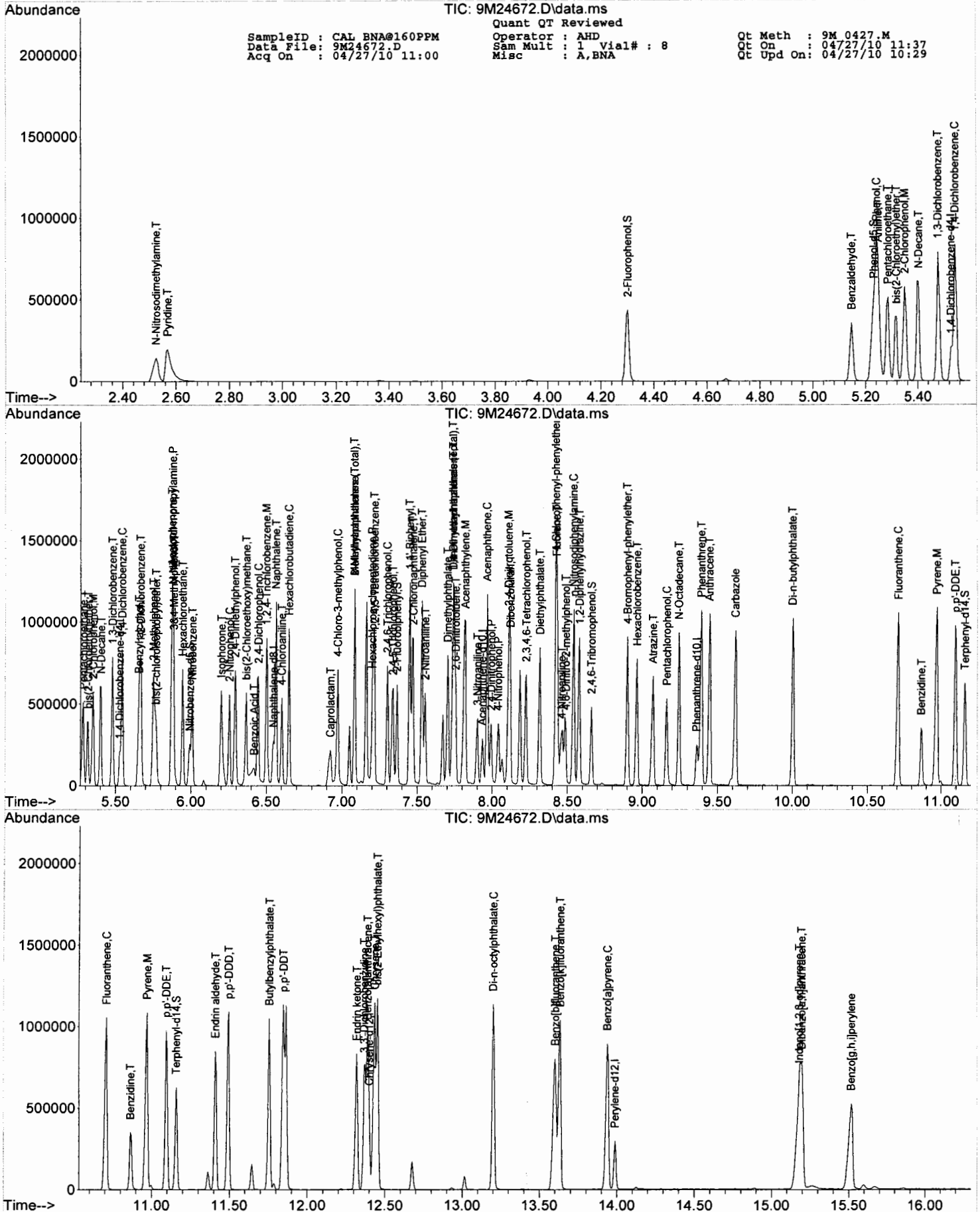
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@160PPM Operator : AHD Qt Meth : 9M_0427.M
 Data File: 9M24672.D Sam Mult : 1 Vial# : 8 Qt On : 04/27/10 11:37
 Acq On : 04/27/10 11:00 Misc : A,BNA Qt Upd On: 04/27/10 10:29

Data Path : G:\GCMSData\2010\GCMS_9\Data\04-27-10\
 Qt Path : G:\GCMSDATA\2010\GCMS_9\METHODQT\
 Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66) 4-Nitrophenol	8.040	65	53580	125.11	ng	67
67) 2,3,4,6-Tetrachlorophenol	8.227	232	72295	166.59	ng	87
68) Fluorene	8.431	166	276161	148.65	ng	99
69) 4-Chlorophenyl-phenyle...	8.425	204	134393	151.76	ng	90
70) Diethylphthalate	8.318	149	285738	149.26	ng	98
71) 4-Nitroaniline	8.463	138	72678	163.92	ng	89
72) Atrazine	9.072	200	86188	153.81	ng	97
74) 4,6-Dinitro-2-methylph...	8.489	198	57628	175.33	ng	57
75) n-Nitrosodiphenylamine	8.543	169	244384	155.27	ng	97
77) 1,2-Diphenylhydrazine	8.580	77	315071	145.08	ng	87
78) 4-Bromophenyl-phenylether	8.901	248	84452	161.43	ng	92
79) Hexachlorobenzene	8.965	284	78509	163.63	ng	74
80) N-Octadecane	9.244	57	129275	152.38	ng	66
81) Pentachlorophenol	9.163	266	48452	173.55	ng	96
82) Phenanthrene	9.393	178	407412	154.99	ng	99
83) Anthracene	9.447	178	419647	154.18	ng	100
84) Carbazole	9.618	167	406588	158.45	ng	98
85) Di-n-butylphthalate	10.003	149	514101	154.48	ng	98
86) Fluoranthene	10.709	202	461398	158.43	ng	83
88) Pyrene	10.971	202	497270	151.28	ng	81
89) Benzidine	10.864	184	128633	130.35	ng	84
91) p,p'-DDE	11.094	246	116088	148.82	ng	89
92) Endrin	11.410	81	38305	155.19	ng	72
93) p,p'-DDD	11.495	235	190940	149.99	ng	92
94) Butylbenzylphthalate	11.757	149	234948	153.54	ng	78
95) Endrin aldehyde	11.410	67	10100	124.33	ng	70
96) p,p'-DDT	11.848	235	178388	153.40	ng	94
97) Endrin ketone	12.319	317	16445	140.06	ng	94
98) 3,3'-Dichlorobenzidine	12.367	252	119303	153.58	ng	96
99) Benzo[a]anthracene	12.389	228	461546	150.89	ng	99
100) Chrysene	12.437	228	433090	152.70	ng	100
101) bis(2-Ethylhexyl)phtha...	12.453	149	338801	147.34	ng	97
103) Di-n-octylphthalate	13.202	149	583079	147.36	ng	99
104) Benzo[b]fluoranthene	13.603	252	469401	156.23	ng	90
105) Benzo[k]fluoranthene	13.635	252	437981	156.59	ng	91
106) Benzo[a]pyrene	13.940	252	437929	156.59	ng	90
107) Indeno[1,2,3-cd]pyrene	15.181	276	434838	162.29	ng	89
108) Dibenzo[a,h]anthracene	15.197	278	357092	164.61	ng	87
109) Benzo[g,h,i]perylene	15.518	276	364088	157.82	ng	84

(#) = qualifier out of range (m) = manual integration (+) = signals summed



SampleID : CAL BNA@196PPM
 Data File: 9M24673.D
 Acq On : 04/27/10 11:23

Operator : AHD
 Sam Mult : 1 Vial# : 9
 Misc : A,BNA

Qt Meth : 9M_0427.M
 Qt On : 04/27/10 11:40
 Qt Upd On: 04/27/10 10:29

Data Path : G:\GcMsData\2010\GCMS_9\Data\04-27-10\
 Qt Path : G:\GCMSDATA\2010\GCMS_9\METHODQT\
 Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.531	152	25010	40.00	ng	0.00
29) Naphthalene-d8	6.548	136	94037	40.00	ng	0.00
47) Acenaphthene-d10	7.938	164	55733	40.00	ng	0.01
73) Phenanthrene-d10	9.366	188	91631	40.00	ng	0.00
87) Chrysene-d12	12.404	240	80771	40.00	ng	0.02
102) Perylene-d12	13.988	264	86510	40.00	ng	0.00
System Monitoring Compounds						
10) 2-Fluorophenol	4.301	112	143760	201.69	ng	0.00
Spiked Amount 100.000			Recovery	=	201.69%	
15) Phenol-d5	5.232	99	176915	183.27	ng	0.01
Spiked Amount 100.000			Recovery	=	183.27%	
30) Nitrobenzene-d5	5.991	128	40059	91.44	ng	0.01
Spiked Amount 50.000			Recovery	=	182.88%	
52) 2-Fluorobiphenyl	7.366	172	179681	95.48	ng	0.00
Spiked Amount 50.000			Recovery	=	190.96%	
76) 2,4,6-Tribromophenol	8.666	330	32281	202.47	ng	0.01
Spiked Amount 100.000			Recovery	=	202.47%	
90) Terphenyl-d14	11.164	244	229774	104.91	ng	0.01
Spiked Amount 50.000			Recovery	=	209.82%	
Target Compounds						
8) Pyridine	2.568	79	146760	190.34	ng	64
9) N-Nitrosodimethylamine	2.531	74	89353	190.46	ng	86
11) Benzaldehyde	5.146	77	66038	96.25	ng	89
12) Aniline	5.253	93	208759	193.49	ng	16
13) Pentachloroethane	5.285	117	50679	207.39	ng	70
14) bis(2-Chloroethyl)ether	5.318	93	124616	180.26	ng	83
16) Phenol	5.248	94	183169	175.32	ng	58
17) 2-Chlorophenol	5.355	128	166277	198.96	ng	75
18) N-Decane	5.403	57	109504	192.66	ng	69
19) 1,3-Dichlorobenzene	5.483	146	173054	193.10	ng	95
20) 1,4-Dichlorobenzene	5.542	146	183488	196.13	ng	96
21) 1,2-Dichlorobenzene	5.671	146	168494	201.74	ng	97
22) Benzyl alcohol	5.660	108	99078	180.87	ng	88
23) bis(2-chloroisopropyl)...	5.767	45	134957	225.15	ng	37
24) 2-Methylphenol	5.751	108	134076	176.83	ng	96
25) Acetophenone	5.874	105	201670	184.11	ng	72
26) Hexachloroethane	5.943	117	75417	193.70	ng	89
27) N-Nitroso-di-n-propyla...	5.884	70	115071	177.97	ng	84
28) 3&4-Methylphenol	5.884	108	140805	184.15	ng	94
31) Nitrobenzene	6.013	77	170671	171.80	ng	79
32) Isophorone	6.205	82	299679	177.80	ng	83
33) 2-Nitrophenol	6.259	139	94631	201.48	ng	90
34) 2,4-Dimethylphenol	6.296	107	165932	183.19	ng	89
35) Benzoic Acid	6.441	105	103408	264.91	ng	89
36) bis(2-Chloroethoxy)met...	6.371	93	163034	186.77	ng	95
37) 2,4-Dichlorophenol	6.446	162	141953	204.16	ng	86
38) 1,2,4-Trichlorobenzene	6.505	180	160826	204.34	ng	99
39) Naphthalene	6.564	128	479911	193.30	ng	99
40) 4-Chloroaniline	6.607	127	127020	171.01	ng	97
41) Hexachlorobutadiene	6.649	225	90418	198.77	ng	96
42) Caprolactam	6.938	113	44867	165.09	ng	55
43) 4-Chloro-3-methylphenol	6.976	107	135755	181.58	ng	76
44) 2-Methylnaphthalene	7.088	142	324933	192.26	ng	96
45) Methylnaphthalenes (To...	7.088	142	324933	192.26	ng	96
46) 1,1'-Biphenyl	7.452	154	405553	186.62	ng	93
48) 1,2,4,5-Tetrachloroben...	7.216	216	159177	194.68	ng	99
49) Hexachlorocyclopentadiene	7.206	237	88437	182.90	ng	99
50) 2,4,6-Trichlorophenol	7.307	196	99854	196.11	ng	95
51) 2,4,5-Trichlorophenol	7.339	196	106881	202.69	ng	99
53) 2-Chloronaphthalene	7.473	162	304964	188.33	ng	95
54) 1,4-Dimethylnaphthalene	7.746	156	226299	187.58	ng	97
55) Dimethylnaphthalenes (...)	7.746	156	226299	187.58	ng	97
56) Diphenyl Ether	7.532	170	223231	186.22	ng	89
57) 2-Nitroaniline	7.559	65	84864	99.83	ng	67
58) Acenaphthylene	7.821	152	495358	191.61	ng	99
59) Dimethylphthalate	7.708	163	362766	188.81	ng	99
60) 2,6-Dinitrotoluene	7.762	165	79566	194.06	ng	64
61) Acenaphthene	7.970	153	318559	189.47	ng	96
62) 3-Nitroaniline	7.906	138	73314	200.80	ng	76
63) 2,4-Dinitrophenol	7.997	184	58572	228.30	ng	86
64) Dibenzofuran	8.120	168	420104	180.81	ng	91
65) 2,4-Dinitrotoluene	8.115	165	110234	183.42	ng	85

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@196PPM
 Data File: 9M24673.D
 Acq On : 04/27/10 11:23

Operator : AHD
 Sam Mult : 1 Vial# : 9
 Misc : A,BNA

Qt Meth : 9M_0427.M
 Qt On : 04/27/10 11:40
 Qt Upd On: 04/27/10 10:29

Data Path : G:\GcMsData\2010\GCMS_9\Data\04-27-10\
 Qt Path : G:\GCMSDATA\2010\GCMS_9\METHODQT\
 Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66) 4-Nitrophenol	8.045	65	66531	150.09	ng	55
67) 2,3,4,6-Tetrachlorophenol	8.227	232	91641	204.02	ng	88
68) Fluorene	8.436	166	347597	180.76	ng	96
69) 4-Chlorophenyl-phenyle...	8.425	204	170584	186.11	ng	94
70) Diethylphthalate	8.323	149	368232	185.84	ng	98
71) 4-Nitroaniline	8.473	138	90234	196.62	ng	90
72) Atrazine	9.078	200	107673	185.65	ng	97
74) 4,6-Dinitro-2-methylph...	8.495	198	72412	220.80	ng	49
75) n-Nitrosodiphenylamine	8.548	169	303071	192.99	ng	98
77) 1,2-Diphenylhydrazine	8.580	77	407887	188.23	ng	92
78) 4-Bromophenyl-phenylether	8.906	248	107343	205.64	ng	89
79) Hexachlorobenzene	8.971	284	101400	211.81	ng	70
80) N-Octadecane	9.249	57	165801	195.87	ng	67
81) Pentachlorophenol	9.169	266	62871	225.70	ng	92
82) Phenanthrene	9.399	178	524509	199.98	ng	99
83) Anthracene	9.452	178	539961	198.82	ng	99
84) Carbazole	9.623	167	515567	201.36	ng	95
85) Di-n-butylphthalate	10.008	149	665540	200.42	ng	98
86) Fluoranthene	10.714	202	590415	203.17	ng	83
88) Pyrene	10.976	202	623719	202.97	ng	80
89) Benzidine	10.869	184	127072	137.74	ng	79
91) p,p'-DDE	11.099	246	150689	206.64	ng	88
92) Endrin	11.415	81	47410	205.45	ng	69
93) p,p'-DDD	11.495	235	238043	200.01	ng	90
94) Butylbenzylphthalate	11.763	149	297680	208.09	ng	78
95) Endrin aldehyde	11.410	67	12191	160.53	ng	71
96) p,p'-DDT	11.848	235	222618	204.77	ng	94
97) Endrin ketone	12.324	317	21422	195.16	ng	96
98) 3,3'-Dichlorobenzidine	12.372	252	142825	196.67	ng	93
99) Benzo[a]anthracene	12.394	228	570515	199.51	ng	99
100) Chrysene	12.442	228	525224	198.08	ng	97
101) bis(2-Ethylhexyl)phtha...	12.458	149	422447	196.52	ng	95
103) Di-n-octylphthalate	13.207	149	736957	195.69	ng	99
104) Benzo[b]fluoranthene	13.608	252	593720	207.61	ng	91
105) Benzo[k]fluoranthene	13.640	252	529308m	198.83	ng	
106) Benzo[a]pyrene	13.945	252	536265	201.46	ng	88
107) Indeno[1,2,3-cd]pyrene	15.186	276	541606	212.38	ng	84
108) Dibenzo[a,h]anthracene	15.207	278	438445	212.35	ng	87
109) Benzo[g,h,i]perylene	15.528	276	450194	205.02	ng	84

(#) = qualifier out of range (m) = manual integration (+) = signals summed



Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	5M57336.	CAL BNA@50PPM	04/30/10 12:09	2	5M57337.	CAL BNA@20PPM	04/30/10 12:31
3	5M57330.	CAL BNA@10PPM	04/30/10 09:56	4	5M57331.	CAL BNA@20PPM	04/30/10 10:18
5	5M57332.	CAL BNA@80PPM	04/30/10 10:40	6	5M57333.	CAL BNA@120PPM	04/30/10 11:02
7	5M57334.	CAL BNA@160PPM	04/30/10 11:24	8	5M57335.	CAL BNA@196PPM	04/30/10 11:47

Compound	Col	Mr	Fit	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRt	RT	Corr1	Corr2	%Rsd	Calibration Level Concentrations								
																		Lv1	Lv2	Lv3	Lv4	Lv5	Lv6	Lv7	Lv8	Lv9
Pyridine	1	0	Qua	1.2161	----	0.8546	0.9776	1.2676	1.3019	1.3515	1.4338	----	1.202.19	0.997	1.00		17	50.00	10.00	20.00	80.00	120.0	160.0	196.0		
N-Nitrosodimethylamin	1	0	Qua	0.6961	0.4050	0.5163	0.5841	0.7127	0.7545	0.7916	0.8330	----	0.662.2.15	0.996	1.00		22	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Fluorophenol	1	0	Qua	1.1880	0.6508	0.9154	0.9953	1.2604	1.3079	1.4210	1.5129	----	1.16.4.0	0.994	1.00		25	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzaldehyde	1	0	Qua	1.1413	1.2075	1.1001	1.1580	1.0503	0.7070	0.5531	0.4088	----	0.916.4.87	0.849	0.994		34	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Aniline	1	0	Qua	2.0911	1.4114	1.5929	1.7891	2.2101	2.2614	2.3916	2.4535	----	2.03.4.97	0.998	1.00		19	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Pentachloroethane	1	0	Avg	0.4598	0.3819	0.4021	0.4194	0.4653	0.4788	0.5280	0.5814	----	0.465.5.00	0.989	0.999		14	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-Chloroethyl)ether	1	0	Avg	1.1673	1.3254	1.1229	1.0497	1.1623	1.1864	1.2064	1.2632	----	1.19.5.04	0.998	1.00		7.1	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Phenol-d5	1	0	Avg	1.7466	1.5144	1.4872	1.5786	1.8692	1.9054	2.0256	2.1819	----	1.79.4.98	0.994	1.00		14	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Phenol	1	0	Avg	1.8802	1.7442	1.7176	1.7562	1.9573	2.0614	2.1600	2.3034	----	1.95.4.99	0.995	1.00		11	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Chlorophenol	1	0	Avg	1.3737	1.3116	1.2642	1.2664	1.3719	1.3865	1.4208	1.4960	----	1.36.5.08	0.998	1.00		5.8	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Decane	1	0	Avg	1.3555	1.3634	1.2218	1.2671	1.2890	1.3022	1.3025	1.3349	----	1.30.5.13	1.00	1.00		3.6	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1,3-Dichlorobenzene	1	0	Avg	1.5202	1.4323	1.3663	1.4213	1.5269	1.5748	1.6583	1.7740	----	1.53.5.21	0.995	1.00		8.7	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1,4-Dichlorobenzene	1	0	Avg	1.5409	1.6522	1.4367	1.4363	1.5529	1.6083	1.7323	1.8435	----	1.60.5.27	0.994	1.00		8.8	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1,2-Dichlorobenzene	1	0	Avg	1.4901	1.4180	1.3278	1.3369	1.5463	1.6230	1.7851	1.8911	----	1.55.5.40	0.992	1.00		13	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzyl alcohol	1	0	Avg	0.8558	0.7423	0.7434	0.7385	0.9237	0.9438	0.9719	1.0303	----	0.869.5.40	0.997	1.00		13	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-chloroisopropyl) ether	1	0	Avg	1.4870	1.7790	1.4899	1.4756	1.4760	1.4119	1.3897	1.4256	----	1.49.5.51	0.999	0.999		8.2	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Methylphenol	1	0	Avg	1.2219	1.3662	1.1611	1.1814	1.2500	1.2671	1.3239	1.4161	----	1.27.5.51	0.996	1.00		7.0	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Acetophenone	1	0	Avg	1.9187	1.9757	1.7835	1.7515	2.0136	2.0406	2.1388	2.2760	----	1.99.5.61	0.996	1.00		8.8	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Hexachloroethane	1	0	Avg	0.6070	0.6679	0.5747	0.5809	0.6138	0.6233	0.6458	0.6777	----	0.624.5.67	0.998	1.00		6.0	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Nitroso-di-n-propyl	1	0	Avg	1.0301	1.0873	1.0110	1.0126	1.0633	1.0532	1.0628	1.1330	----	1.06.5.61	0.998	0.999		3.9	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
3,4-Methylenedioxy	1	0	Avg	1.1934	1.3629	1.1812	1.1301	1.1962	1.2243	1.2674	1.3735	----	1.24.5.63	0.995	0.999		7.0	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Nitrobenzene-d5	1	0	Avg	0.1653	0.1425	0.1473	0.1536	0.1593	0.1647	0.1689	0.1777	----	0.160.5.73	0.998	1.00		7.3	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Nitrobenzene	1	0	Avg	0.4194	0.4801	0.4202	0.4052	0.4066	0.4123	0.4177	0.4355	----	0.425.5.75	0.999	1.00		5.7	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Isobutylene	1	0	Avg	0.7307	0.7748	0.7092	0.6773	0.7349	0.7443	0.7605	0.8022	----	0.742.5.94	0.998	1.00		5.2	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Nitrophenol	1	0	Avg	0.1964	0.1883	0.1800	0.1745	0.2001	0.2083	0.2203	0.2335	----	0.200.6.00	0.991	1.00		10	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2,4-Dimethylphenol	1	0	Avg	0.4119	0.4403	0.3927	0.3819	0.4217	0.4265	0.4448	0.4742	----	0.424.6.05	0.996	1.00		7.0	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzoic Acid	1	0	Qua	0.2241	----	0.0746	0.1063	0.2120	0.2069	0.2420	0.2716	----	0.191.6.17	0.988	0.994		38	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-Chloroethoxy)meth	1	0	Avg	0.3741	0.3788	0.3601	0.3593	0.3827	0.3926	0.4097	0.4341	----	0.386.6.11	0.996	1.00		6.6	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2,4-Dichlorophenol	1	0	Avg	0.3042	0.2862	0.2837	0.2738	0.3119	0.3378	0.3598	0.3955	----	0.319.6.20	0.990	1.00		13	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1,2,4-Trichlorobenzene	1	0	Avg	0.3848	0.3678	0.3593	0.3492	0.3970	0.4184	0.4444	0.4730	----	0.399.6.24	0.994	1.00		11	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Naphthalene	1	0	Avg	1.0405	1.0902	0.9604	0.9438	1.0633	1.1056	1.1814	1.2685	----	1.08.6.30	0.994	1.00		10	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Chloroaniline	1	0	Avg	0.3938	0.3041	0.3306	0.3660	0.3889	0.3719	0.3966	0.3536	----	0.363.6.35	0.994	0.996		9.0	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Hexachlorobutadiene	1	0	Avg	0.2527	0.2541	0.2295	0.2300	0.2562	0.2764	0.3012	0.3228	----	0.265.6.39	0.991	1.00		12	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Caprolactam	1	0	Avg	0.1167	0.0817	0.1003	0.1042	0.1149	0.1025	0.1037	0.1125	----	0.105.6.64	0.995	0.995		11	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Chloro-3-methylphen	1	0	Avg	0.3591	0.3619	0.3325	0.3274	0.3631	0.3725	0.4063	0.4330	----	0.370.6.73	0.993	1.00		9.6	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Methylnaphthalene	1	0	Avg	0.7193	0.7609	0.6736	0.6730	0.7502	0.8074	0.8837	0.9407	----	0.777.6.82	0.991	1.00		13	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Methylnaphthalenes (T	1	0	Avg	0.7193	0.7609	0.6736	0.6730	0.7502	0.8074	0.8837	0.9407	----	0.777.6.82	0.991	1.00		13	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1,1'-Bi-phenyl	1	0	Avg	0.9252	0.9595	0.8461	0.8413	0.9681	1.0228	1.1389	1.2217	----	0.990.7.17	0.990	1.00		14	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1,2,4,5-Tetrachloroben	1	0	Avg	0.6957	0.6718	0.6165	0.6238	0.7086	0.7358	0.7911	0.8378	----	0.710.6.95	0.995	1.00		11	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Hexachlorocyclopentac	1	0	Qua	0.1087	----	0.0155	0.0426	0.1319	0.1704	0.2131	0.2370	----	0.131.6.93	0.962	0.999		63	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2,4,6-Trichlorophenol	1	0	Avg	0.4032	0.3782	0.3731	0.3692	0.4177	0.4276	0.4520	0.4742	----	0.412.7.04	0.993	1.00		9.3	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	

Flags

a - failed the spec criteria
b - failed the ccc criteria
c - failed the minimum correlation coeff criteria (if applicable)

Note:

Corr 1 = Correlation Coefficient for linear Eq.
Corr 2 = Correlation Coefficient for quad Eq.
Fit = Indicates whether Avg Rt, Linear, or Quadratic Curve was used for compound.

0774

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRt	RT	Corr1	Corr2	%Rsd	Cal Identifier:	Analysis Date/Time	Level #:	Data File:
2,4,5-Trichlorophenol	1	0	Avg	0.4395	0.4460	0.3944	0.3984	0.4459	0.4550	0.4606	0.4958	---	0.4427	7.08	0.997	0.999	7.5	CAL BNA@50PPM	04/30/10 12:09	2	5M57336.
2-Fluorobiphenyl	1	0	Avg	1.3338	1.4558	1.2035	1.2546	1.3467	1.3837	1.4124	1.5467	---	1.37	7.09	0.993	0.999	8.0	CAL BNA@10PPM	04/30/10 09:56	4	5M57330.
2-Chloronaphthalene	1	0	Avg	1.1666	1.1869	1.0844	1.0925	1.1786	1.2176	1.2581	1.3351	---	1.19	7.19	0.997	1.00	6.9	CAL BNA@80PPM	04/30/10 10:40	6	5M57332.
1,4-Dimethylnaphthalene	1	0	Avg	0.8792	0.9253	0.8077	0.8135	0.9131	0.9567	0.9994	1.0713	---	0.921	7.46	0.995	1.00	9.7	CAL BNA@160PPM	04/30/10 11:24	8	5M57334.
Dimethylnaphthalenes	1	0	Avg	0.8792	0.9253	0.8077	0.8135	0.9131	0.9567	0.9994	1.0713	---	0.921	7.46	0.995	1.00	9.7	CAL BNA@160PPM	04/30/10 11:24	8	5M57334.
Dibenzyl Ether	1	0	Avg	0.8616	0.8622	0.7645	0.7948	0.8772	0.9305	0.9793	1.0542	---	0.891	7.25	0.994	1.00	11	CAL BNA@20PPM	04/30/10 12:31	1	5M57337.
2-Nitroaniline	1	0	Avg	0.3961	0.4350	0.3876	0.3878	0.3879	0.3906	0.3782	0.3797	---	0.393	7.28	1.00	1.00	4.6	CAL BNA@20PPM	04/30/10 10:18	4	5M57331.
Acenaphthylene	1	0	Avg	1.9043	1.9415	1.7142	1.7438	1.9796	2.0337	2.0546	2.1726	---	1.94	7.53	0.998	1.00	8.0	CAL BNA@20PPM	04/30/10 10:18	4	5M57331.
Dimethylthiathalate	1	0	Avg	1.4565	1.5149	1.2969	1.3234	1.4514	1.4752	1.4796	1.5540	---	1.44	7.42	0.999	1.00	6.2	CAL BNA@120PPM	04/30/10 11:02	6	5M57333.
2,6-Dinitrotoluene	1	0	Avg	0.3124	0.3247	0.2851	0.2887	0.3122	0.3195	0.3351	0.3523	---	0.316	7.48	0.997	1.00	7.1	CAL BNA@196PPM	04/30/10 11:47	7	5M57335.
Acenaphthene	1	0	Avg	1.1717	1.2345	1.0502	1.0417	1.2068	1.2599	1.3265	1.4086	---	1.21	7.67	0.995	1.00	10	CAL BNA@20PPM	04/30/10 12:31	1	5M57337.
3-Nitroaniline	1	0	Avg	0.3004	0.3025	0.2689	0.2893	0.2882	0.2784	0.2853	0.2837	---	0.287	7.62	1.00	1.00	3.8	CAL BNA@20PPM	04/30/10 10:18	4	5M57331.
2,4-Dinitrophenol	1	0	Qua	0.1296	---	0.0571	0.1005	0.1500	0.1643	0.1754	0.1840	---	0.137	7.73	0.996	1.00	33	CAL BNA@20PPM	04/30/10 10:18	4	5M57331.
Dibenzofuran	1	0	Avg	1.7365	1.7192	1.5422	1.5561	1.8520	1.9135	1.9570	2.0533	---	1.79	7.82	0.998	1.00	10	CAL BNA@20PPM	04/30/10 10:18	4	5M57331.
2,4-Dinitrotoluene	1	0	Avg	0.4348	0.4215	0.3809	0.3916	0.4540	0.4616	0.4543	0.4683	---	0.433	7.83	0.999	1.00	7.6	CAL BNA@20PPM	04/30/10 10:18	4	5M57331.
4-Nitrophenol	1	0	Qua	0.1886	0.1406	0.1381	0.1706	0.2106	0.2219	0.2215	0.2268	---	0.190	7.79	0.996	0.999	19	CAL BNA@20PPM	04/30/10 10:18	4	5M57331.
2,3,4,6-Tetrachlorohe	1	0	Avg	0.3292	0.3183	0.2985	0.3182	0.3507	0.3817	0.3881	0.4109	---	0.349	7.94	0.996	1.00	11	CAL BNA@20PPM	04/30/10 10:18	4	5M57331.
Fluorene	1	0	Avg	1.4720	1.4056	1.2813	1.3271	1.5895	1.6918	1.7679	1.8227	---	1.54	8.12	0.997	1.00	13	CAL BNA@20PPM	04/30/10 10:18	4	5M57331.
4-Chlorobiphenyl-phenyl	1	0	Qua	0.7956	0.7710	0.6862	0.7059	0.8872	0.9670	1.0232	1.0853	---	0.865	8.12	0.994	1.00	17	CAL BNA@20PPM	04/30/10 10:18	4	5M57331.
Diethylthiathalate	1	0	Avg	1.5087	1.5425	1.3774	1.3909	1.5434	1.6149	1.6582	1.7333	---	1.55	8.02	0.998	1.00	8.0	CAL BNA@20PPM	04/30/10 10:18	4	5M57331.
4-Nitroaniline	1	0	Avg	0.3082	0.2778	0.2764	0.2851	0.3141	0.3098	0.3061	0.3131	---	0.299	8.17	1.00	1.00	5.4	CAL BNA@20PPM	04/30/10 10:18	4	5M57331.
Atrazine	1	0	Avg	0.4899	0.4569	0.4361	0.4640	0.5049	0.5198	0.5198	0.5475	---	0.492	8.76	0.998	1.00	7.7	CAL BNA@20PPM	04/30/10 10:18	4	5M57331.
4,6-Dinitro-2-methylph	1	0	Qua	0.1284	---	0.0929	0.1082	0.1386	0.1404	0.1479	0.1598	---	0.131	8.20	0.995	0.999	18	CAL BNA@20PPM	04/30/10 10:18	4	5M57331.
n-Nitrosodiphenylamine	1	0	Avg	0.6397	0.6534	0.5872	0.5757	0.6447	0.6584	0.7129	0.7638	---	0.655	8.24	0.993	1.00	9.4	CAL BNA@20PPM	04/30/10 10:18	4	5M57331.
2,4,6-Tribromophenol	1	0	Avg	0.0848	0.0866	0.0768	0.0773	0.0878	0.0936	0.1007	0.1089	---	0.0896	8.35	0.992	1.00	12	CAL BNA@20PPM	04/30/10 10:18	4	5M57331.
1,2-Dibenzylhydrazine	1	0	Avg	0.8048	0.8819	0.7834	0.7519	0.7745	0.7779	0.7708	0.8087	---	0.794	8.27	0.999	0.999	5.0	CAL BNA@20PPM	04/30/10 10:18	4	5M57331.
4-Bromobiphenyl-phenyl	1	0	Avg	0.2360	0.2257	0.2081	0.2082	0.2495	0.2610	0.2874	0.3148	---	0.249	8.59	0.989	1.00	15	CAL BNA@20PPM	04/30/10 10:18	4	5M57331.
Hexachlorobenzene	1	0	Avg	0.2333	0.2235	0.2039	0.2090	0.2388	0.2516	0.2716	0.2959	---	0.241	8.65	0.984	1.00	13	CAL BNA@20PPM	04/30/10 10:18	4	5M57331.
N-Octadecane	1	0	Avg	0.4522	0.4692	0.4064	0.4019	0.4412	0.4349	0.4338	0.4514	---	0.436	8.94	0.999	0.999	5.2	CAL BNA@20PPM	04/30/10 10:18	4	5M57331.
Pentachlorophenol	1	0	Qua	0.0762	---	0.0434	0.0554	0.0892	0.0919	0.0981	0.1055	---	0.080	8.86	0.994	0.999	29	CAL BNA@20PPM	04/30/10 10:18	4	5M57331.
Phenanthrene	1	0	Avg	1.1353	1.1960	1.0305	1.0227	1.1587	1.2189	1.2812	1.3705	---	1.18	9.07	0.995	1.00	10	CAL BNA@20PPM	04/30/10 10:18	4	5M57331.
Anthracene	1	0	Avg	1.1459	1.2203	1.0415	1.0271	1.1551	1.1988	1.2746	1.3823	---	1.18	9.12	0.993	0.999	9.9	CAL BNA@20PPM	04/30/10 10:18	4	5M57331.
Carbazole	1	0	Avg	1.0483	1.0858	0.9563	0.9467	1.0603	1.1001	1.1523	1.2329	---	1.07	9.30	0.995	1.00	8.8	CAL BNA@20PPM	04/30/10 10:18	4	5M57331.
Di-n-butylphthalate	1	0	Avg	1.4284	1.3813	1.2376	1.2649	1.4681	1.5145	1.5862	1.6828	---	1.45	9.68	0.996	1.00	11	CAL BNA@20PPM	04/30/10 10:18	4	5M57331.
Fluoranthene	1	0	Avg	1.3797	1.3214	1.2016	1.2167	1.4427	1.5007	1.5639	1.6720	---	1.41	10.37	0.996	1.00	12	CAL BNA@20PPM	04/30/10 10:18	4	5M57331.
Pyrene	1	0	Avg	1.6436	1.5936	1.4346	1.4565	1.6130	1.6506	1.6930	1.8122	---	1.61	10.63	0.997	0.999	7.6	CAL BNA@20PPM	04/30/10 10:18	4	5M57331.
Benzenidine	1	0	Qua	0.4446	0.3137	0.4368	0.5219	0.4695	0.3248	0.2690	0.2203	---	0.375	10.54	0.902	0.993	29	CAL BNA@20PPM	04/30/10 10:18	4	5M57331.
Terphenyl-d14	1	0	Avg	1.1190	1.1032	1.0219	1.0254	1.0930	1.0798	1.1081	1.2022	---	1.09	10.83	0.996	0.998	5.2	CAL BNA@20PPM	04/30/10 10:18	4	5M57331.
4,4'-DDE	1	0	Avg	0.4009	0.3847	0.3544	0.3402	0.3909	0.4120	0.4231	0.4500	---	0.395	10.76	0.997	1.00	9.0	CAL BNA@20PPM	04/30/10 10:18	4	5M57331.
Endrin	1	0	Avg	0.0870	0.0862	0.0795	0.0797	0.0841	0.0827	0.0836	0.0870	---	0.0838	11.06	0.999	0.999	3.6	CAL BNA@20PPM	04/30/10 10:18	4	5M57331.
4,4'-DDD	1	0	Avg	0.6289	0.5995	0.5477	0.5560	0.6128	0.6455	0.6626	0.7220	---	0.622	11.16	0.995	0.999	9.2	CAL BNA@20PPM	04/30/10 10:18	4	5M57331.

Avg Rsd: 11.1

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Flags

a - failed the spec criteria

b - failed the ccc criteria

c - failed the minimum correlation coeff criteria (if applicable)

Note:

Corr 1 = Correlation Coefficient for linear Eq.

Corr 2 = Correlation Coefficient for quad Eq.

Fit = Indicates whether Avg Rt, Linear, or Quadratic Curve was used for compound.

0775

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	5M57336.	CAL BNA@50PPM	04/30/10 12:09	2	5M57337.	CAL BNA@20PPM	04/30/10 12:31
3	5M57330.	CAL BNA@10PPM	04/30/10 09:56	4	5M57331.	CAL BNA@20PPM	04/30/10 10:18
5	5M57332.	CAL BNA@80PPM	04/30/10 10:40	6	5M57333.	CAL BNA@120PPM	04/30/10 11:02
7	5M57334.	CAL BNA@160PPM	04/30/10 11:24	8	5M57335.	CAL BNA@196PPM	04/30/10 11:47

Compound	Col	Mr	F1:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRt	RT	Corr1	Corr2	%Rsd	Calibration Level Concentrations								
Butylbenzylthiolate	1	0	Avg	0.6980	0.6596	0.6238	0.6225	0.6827	0.6953	0.7079	0.7540	---	0.681	11.43	0.997	0.999	6.5	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	196.0
Endrin aldehyde	1	0	Avg	0.0337	0.0340	0.0302	0.0301	0.0301	0.0291	0.0286	0.0303	---	0.0308	11.06	0.997	0.997	6.5	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	196.0
4,4'-DDT	1	0	Avg	0.5419	0.4687	0.5011	0.4966	0.5739	0.5778	0.5979	0.6288	---	0.548	11.51	0.998	1.00	10	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	196.0
Endrin ketone	1	0	Avg	0.0647	0.0567	0.0599	0.0557	0.0650	0.0676	0.0717	0.0746	---	0.0645	11.97	0.997	1.00	11	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	196.0
3,3'-Dichlorobenzidine	1	0	Avg	0.4407	0.4177	0.3586	0.3977	0.4282	0.3862	0.4123	0.4225	---	0.408	12.03	0.997	0.998	6.4	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	196.0
Benzolanthracene	1	0	Avg	1.4834	1.5943	1.3940	1.3821	1.4917	1.5269	1.5628	1.6861	---	1.52	12.05	0.996	0.999	6.7	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	196.0
Chrysene	1	0	Avg	1.3366	1.4199	1.2217	1.2147	1.3181	1.3209	1.3877	1.4794	---	1.34	12.10	0.996	0.999	6.8	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	196.0
bis(2-Ethylhexyl)thiolal.	1	0	Avg	0.8801	0.9412	0.7926	0.7853	0.8574	0.8721	0.9021	0.9707	---	0.875	12.13	0.996	0.999	7.4	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	196.0
Di-n-octylthiolate	1	0	Avg	1.6360	1.5693	1.3526	1.4029	1.6770	1.7829	1.9815	2.1926	---	1.70	12.88	0.987	0.999	17	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	196.0
Benzofluoranthene	1	0	Avg	1.4249	1.3151	1.1796	1.2145	1.4855	1.4868	1.7206	1.7585	---	1.45	13.27	0.992	0.999	15	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	196.0
Benzofluoranthene	1	0	Avg	1.3485	1.4024	1.2365	1.2214	1.3067	1.4406	1.4037	1.6285	---	1.37	13.30	0.989	0.996	9.5	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	196.0
Benzofluoranthene	1	0	Avg	1.2975	1.2378	1.1199	1.1362	1.3194	1.3812	1.4965	1.6078	---	1.32	13.61	0.993	1.00	13	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	196.0
Indenofluoranthene	1	0	Avg	1.2592	1.1352	1.0625	1.0734	1.3449	1.4242	1.5471	1.7020	---	1.32	14.77	0.989	1.00	18	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	196.0
Dibenzofluoranthene	1	0	Avg	1.0604	0.9738	0.8750	0.8847	1.1423	1.2250	1.3483	1.5114	---	1.13	14.78	0.985	0.999	20	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	196.0
Benzofluoranthene	1	0	Avg	0.9804	1.0628	0.8838	0.8791	1.0299	1.0732	1.1562	1.2577	---	1.04	15.07	0.992	1.00	12	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	196.0

Flags

a - failed the spec criteria
b - failed the ccc criteria
c - failed the minimum correlation coeff criteria (if applicable)

* - ccc compound
** - spec compound

Note:

Corr 1 = Correlation Coefficient for linear Eq.
Corr 2 = Correlation Coefficient for quad Eq.
Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

Avg Rsd: 11.1

SampleID : CAL BNA50PPM
Data File: 5M57336.D
Acq On : 04/30/10 12:09

Operator : AHD
Sam Mult : 1 Vial# : 2
Misc : A,BNA

Qt Meth : 5M_0430.M
Qt On : 04/30/10 12:38
Qt Upd On: 04/30/10 10:04

Data Path : G:\GCMSData\2010\GCMS_5\Data\04-30-10\
Qt Path : G:\GCMSDATA\2010\GCMS_5\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.255	152	30853	40.00	ng	0.00
29) Naphthalene-d8	6.286	136	112492	40.00	ng	0.00
47) Acenaphthene-d10	7.643	164	67073	40.00	ng	0.00
73) Phenanthrene-d10	9.043	188	126711	40.00	ng	0.00
87) Chrysene-d12	12.066	240	109997	40.00	ng	0.00
102) Perylene-d12	13.664	264	100895	40.00	ng	0.00
System Monitoring Compounds						
10) 2-Fluorophenol	4.000	112	45820	46.87	ng	0.00
Spiked Amount 100.000			Recovery =	46.87%		
15) Phenol-d5	4.977	99	67363	52.54	ng	0.00
Spiked Amount 100.000			Recovery =	52.54%		
30) Nitrobenzene-d5	5.731	128	11622	24.58	ng	0.00
Spiked Amount 50.000			Recovery =	49.16%		
52) 2-Fluorobiphenyl	7.093	172	55914	25.76	ng	0.00
Spiked Amount 50.000			Recovery =	51.52%		
76) 2,4,6-Tribromophenol	8.354	330	13433	50.67	ng	0.00
Spiked Amount 100.000			Recovery =	50.67%		
90) Terphenyl-d14	10.827	244	76934	25.25	ng	0.00
Spiked Amount 50.000			Recovery =	50.50%		
Target Compounds						
8) Pyridine	2.189	79	46901	44.02	ng	82
9) N-Nitrosodimethylamine	2.151	74	26849	43.26	ng	97
11) Benzaldehyde	4.870	77	44019	54.84	ng	91
12) Aniline	4.972	93	80646	59.90	ng	90
13) Pentachloroethane	5.004	117	17733	54.45	ng	68
14) bis(2-Chloroethyl)ether	5.041	93	45021	49.68	ng	89
16) Phenol	4.988	94	72514	54.68	ng	84
17) 2-Chlorophenol	5.079	128	52981	51.37	ng	82
18) N-Decane	5.127	57	52279	55.09	ng	84
19) 1,3-Dichlorobenzene	5.207	146	58630	51.33	ng	97
20) 1,4-Dichlorobenzene	5.271	146	59429	50.77	ng	98
21) 1,2-Dichlorobenzene	5.399	146	57468	53.90	ng	98
22) Benzyl alcohol	5.399	108	33007	50.97	ng	87
23) bis(2-chloroisopropyl)...	5.506	45	57350	55.21	ng	62
24) 2-Methylphenol	5.506	108	47124	51.05	ng	100
25) Acetophenone	5.608	105	73999	54.83	ng	72
26) Hexachloroethane	5.672	117	23413	55.36	ng	66
27) N-Nitroso-di-n-propyla...	5.613	70	39730	57.95	ng	82
28) 3&4-Methylphenol	5.634	108	46027	49.47	ng	93
31) Nitrobenzene	5.747	77	58974	56.24	ng	88
32) Isophorone	5.939	82	102748	52.60	ng	90
33) 2-Nitrophenol	5.998	139	27624	49.94	ng	88
34) 2,4-Dimethylphenol	6.046	107	57930	54.26	ng	92
35) Benzoic Acid	6.169	105	31523m	65.40	ng	
36) bis(2-Chloroethoxy)met...	6.110	93	52607	48.85	ng	98
37) 2,4-Dichlorophenol	6.195	162	42783	50.54	ng	87
38) 1,2,4-Trichlorobenzene	6.243	180	54122	51.88	ng	96
39) Naphthalene	6.302	128	146310	51.38	ng	99
40) 4-Chloroaniline	6.350	127	55376	63.18	ng	100
41) Hexachlorobutadiene	6.393	225	35539	57.17	ng	97
42) Caprolactam	6.644	113	16414	51.47	ng	76
43) 4-Chloro-3-methylphenol	6.730	107	50499	53.84	ng	91
44) 2-Methylnaphthalene	6.820	142	101149	50.53	ng	98
45) Methylnaphthalenes (To...	6.820	142	101149	50.53	ng	98
46) 1,1'-Biphenyl	7.173	154	130103	51.06	ng	93
48) 1,2,4,5-Tetrachloroben...	6.949	216	58335	54.78	ng	96
49) Hexachlorocyclopentadiene	6.933	237	9116	24.41	ng	94
50) 2,4,6-Trichlorophenol	7.045	196	33807	50.82	ng	100
51) 2,4,5-Trichlorophenol	7.082	196	36850	51.96	ng	98
53) 2-Chloronaphthalene	7.194	162	97812	52.42	ng	95
54) 1,4-Dimethylnaphthalene	7.456	156	73713	50.24	ng	99
55) Dimethylnaphthalenes (...)	7.456	156	73713	50.24	ng	99
56) Diphenyl Ether	7.253	170	72244	52.75	ng	88
57) 2-Nitroaniline	7.280	65	33214	48.96	ng	84
58) Acenaphthylene	7.526	152	159664	52.73	ng	99
59) Dimethylphthalate	7.424	163	122122	54.26	ng	99
60) 2,6-Dinitrotoluene	7.477	165	26194	52.57	ng	79
61) Acenaphthene	7.670	153	98242	51.83	ng	95
62) 3-Nitroaniline	7.622	138	25191	55.94	ng	42
63) 2,4-Dinitrophenol	7.729	184	10872	48.15	ng	78
64) Dibenzofuran	7.819	168	145593	53.25	ng	98
65) 2,4-Dinitrotoluene	7.830	165	36455	53.65	ng	78

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@50PPM
 Data File: 5M57336.D
 Acq On : 04/30/10 12:09

Operator : AHD
 Sam Mult : 1 Vial# : 2
 Misc : A,BNA

Qt Meth : 5M_0430.M
 Qt On : 04/30/10 12:38
 Qt Upd On: 04/30/10 10:04

Data Path : G:\GcMsData\2010\GCMS_5\Data\04-30-10\
 Qt Path : G:\GCMSDATA\2010\GCMS_5\METHODQT\
 Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66) 4-Nitrophenol	7.787	65	15817m	44.43	ng	
67) 2,3,4,6-Tetrachlorophenol	7.937	232	27603	47.02	ng	87
68) Fluorene	8.124	166	123414	54.33	ng	98
69) 4-Chlorophenyl-phenyle...	8.124	204	66711	54.57	ng	84
70) Diethylphthalate	8.022	149	126496	55.88	ng	98
71) 4-Nitroaniline	8.167	138	25845	47.59	ng	79
72) Atrazine	8.765	200	41081	56.67	ng	97
74) 4,6-Dinitro-2-methylph...	8.204	198	20337	55.67	ng	41
75) n-Nitrosodiphenylamine	8.236	169	101328	51.97	ng	100
77) 1,2-Diphenylhydrazine	8.273	77	127474	59.49	ng	83
78) 4-Bromophenyl-phenylether	8.589	248	37382	51.08	ng	86
79) Hexachlorobenzene	8.653	284	36959	53.54	ng	75
80) N-Octadecane	8.936	57	71635	57.72	ng	79
81) Pentachlorophenol	8.861	266	12077	34.37	ng	98
82) Phenanthrene	9.069	178	179822	51.80	ng	100
83) Anthracene	9.123	178	181504	51.77	ng	99
84) Carbazole	9.299	167	166051	51.30	ng	99
85) Di-n-butylphthalate	9.684	149	226242	55.31	ng	99
86) Fluoranthene	10.373	202	218537	52.63	ng	81
88) Pyrene	10.629	202	225999	53.33	ng	78
89) Benzidine	10.544	184	61135	54.78	ng	80
91) 4,4'-DDE	10.763	246	55125	59.45	ng	90
92) Endrin	11.057	81	11968	65.75	ng	35
93) 4,4'-DDD	11.164	235	86471	54.00	ng	90
94) Butylbenzylphthalate	11.425	149	95982	52.76	ng	95
95) Endrin aldehyde	11.057	67	4646	60.54	ng	72
96) 4,4'-DDT	11.511	235	74510	56.51	ng	95
97) Endrin ketone	11.970	317	8907	54.31	ng	97
98) 3,3'-Dichlorobenzidine	12.034	252	60605	60.08	ng	94
99) Benzo[a]anthracene	12.050	228	203963	50.32	ng	99
100) Chrysene	12.098	228	183783	50.14	ng	98
101) bis(2-Ethylhexyl)phtha...	12.131	149	121023	52.84	ng	98
103) Di-n-octylphthalate	12.878	149	206340	52.02	ng	99
104) Benzo[b]fluoranthene	13.268	252	179710	51.58	ng	90
105) Benzo[k]fluoranthene	13.300	252	170071	54.00	ng	89
106) Benzo[a]pyrene	13.610	252	163644	51.52	ng	87
107) Indeno[1,2,3-cd]pyrene	14.775	276	158814	50.06	ng	77
108) Dibenzo[a,h]anthracene	14.780	278	133736	50.68	ng	83
109) Benzo[g,h,i]perylene	15.069	276	123657	47.78	ng	77

(#) = qualifier out of range (m) = manual integration (+) = signals summed



SampleID : CAL BNA@2PPM
Data File: 5M57337.D
Acq On : 04/30/10 12:31

Operator : AHD
Sam Mult : 1 Vial# : 3
Misc : A,BNA

Qt Meth : 5M_0430.M
Qt On : 04/30/10 12:47
Qt Upd On: 04/30/10 12:45

Data Path : G:\GcMsData\2010\GCMS_5\Data\04-30-10\
Qt Path : G:\GCMSDATA\2010\GCMS_5\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.255	152	36290	40.00	ng	0.00
29) Naphthalene-d8	6.281	136	138041	40.00	ng	0.00
47) Acenaphthene-d10	7.638	164	84872	40.00	ng	0.00
73) Phenanthrene-d10	9.037	188	154810	40.00	ng	0.00
87) Chrysene-d12	12.061	240	136367	40.00	ng	0.00
102) Perylene-d12	13.664	264	120658	40.00	ng	0.00
System Monitoring Compounds						
10) 2-Fluorophenol	4.048	112	1181	1.10	ng	0.05
Spiked Amount 100.000			Recovery =	1.10%		
15) Phenol-d5	4.999	99	2748	1.69	ng	0.02
Spiked Amount 100.000			Recovery =	1.69%		
30) Nitrobenzene-d5	5.741	128	492	0.90	ng	0.01
Spiked Amount 50.000			Recovery =	1.80%		
52) 2-Fluorobiphenyl	7.093	172	3089	1.08	ng	0.00
Spiked Amount 50.000			Recovery =	2.16%		
76) 2,4,6-Tribromophenol	8.359	330	671	1.94	ng	0.00
Spiked Amount 100.000			Recovery =	1.94%		
90) Terphenyl-d14	10.827	244	3761	1.00	ng	0.00
Spiked Amount 50.000			Recovery =	2.00%		
Target Compounds						
8) Pyridine	2.301	79	948	0.94	ng	72
9) N-Nitrosodimethylamine	2.210	74	735m	1.22	ng	
11) Benzaldehyde	4.897	77	2191	2.68	ng	96
12) Aniline	4.988	93	2561	1.39	ng	87
13) Pentachloroethane	5.004	117	693	1.62	ng	40
14) bis(2-Chloroethyl) ether	5.047	93	2405	2.26	ng	86
16) Phenol	5.009	94	3165	1.78	ng	87
17) 2-Chlorophenol	5.089	128	2380	1.93	ng	80
18) N-Decane	5.127	57	2474	2.07	ng	89
19) 1,3-Dichlorobenzene	5.212	146	2599	1.84	ng	85
20) 1,4-Dichlorobenzene	5.271	146	2998	2.08	ng	93
21) 1,2-Dichlorobenzene	5.405	146	2573	1.82	ng	99
22) Benzyl alcohol	5.426	108	1347m	1.70	ng	
23) bis(2-chloroisopropyl)...	5.506	45	3228	2.40	ng	69
24) 2-Methylphenol	5.517	108	2479	2.16	ng	86
25) Acetophenone	5.618	105	3585	2.00	ng	72
26) Hexachloroethane	5.672	117	1212	2.14	ng	67
27) N-Nitroso-di-n-propyla...	5.613	70	1973	2.04	ng	90
28) 3&4-Methylphenol	5.661	108	2473	2.22	ng	99
31) Nitrobenzene	5.757	77	3314	2.30	ng	97
32) Isophorone	5.934	82	5348	2.10	ng	98
33) 2-Nitrophenol	6.014	139	1300	1.91	ng	100
34) 2,4-Dimethylphenol	6.051	107	3039	2.09	ng	91
35) Benzoic Acid	6.169	105	177	0.30	ng	8
36) bis(2-Chloroethoxy)met...	6.110	93	2615	1.97	ng	93
37) 2,4-Dichlorophenol	6.217	162	1976	1.78	ng	82
38) 1,2,4-Trichlorobenzene	6.243	180	2539	1.82	ng	98
39) Naphthalene	6.302	128	7525	2.01	ng	97
40) 4-Chloroaniline	6.366	127	2099	1.67	ng	89
41) Hexachlorobutadiene	6.388	225	1754	1.93	ng	90
42) Caprolactam	6.612	113	564	1.58	ng	89
43) 4-Chloro-3-methylphenol	6.740	107	2498	1.96	ng	90
44) 2-Methylnaphthalene	6.820	142	5252	1.98	ng	96
45) Methylnaphthalenes (To...	6.820	142	5252	1.98	ng	96
46) 1,1'-Biphenyl	7.173	154	6623	1.95	ng	92
48) 1,2,4,5-Tetrachloroben...	6.949	216	2851	1.89	ng	93
49) Hexachlorocyclopentadiene	0.000		0	N.D.		
50) 2,4,6-Trichlorophenol	7.050	196	1605	1.84	ng	96
51) 2,4,5-Trichlorophenol	7.093	196	1893	2.01	ng	84
53) 2-Chloronaphthalene	7.194	162	5037	2.01	ng	96
54) 1,4-Dimethylnaphthalene	7.456	156	3927	2.02	ng	91
55) Dimethylnaphthalenes (...)	7.456	156	3927	2.02	ng	91
56) Diphenyl Ether	7.253	170	3659	1.92	ng	87
57) 2-Nitroaniline	7.290	65	1846	2.23	ng	83
58) Acenaphthylene	7.525	152	8239	2.00	ng	98
59) Dimethylphthalate	7.413	163	6429	2.10	ng	99
60) 2,6-Dinitrotoluene	7.477	165	1378	2.06	ng	67
61) Acenaphthene	7.670	153	5239	2.04	ng	92
62) 3-Nitroaniline	7.627	138	1284	2.14	ng	55
63) 2,4-Dinitrophenol	0.000		0	N.D.		
64) Dibenzofuran	7.819	168	7296	1.92	ng	94
65) 2,4-Dinitrotoluene	7.835	165	1789	1.97	ng	63

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@2PPM Operator : AHD Qt Meth : 5M_0430.M
 Data File: 5M57337.D Sam Mult : 1 Vial# : 3 Qt On : 04/30/10 12:47
 Acq On : 04/30/10 12:31 Misc : A,BNA Qt Upd On: 04/30/10 12:45

Data Path : G:\GCMSData\2010\GCMS_5\Data\04-30-10\
 Qt Path : G:\GCMSDATA\2010\GCMS_5\METHODQT\
 Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66) 4-Nitrophenol	7.835	65	597m	1.16	ng	
67) 2,3,4,6-Tetrachlorophenol	7.942	232	1351	1.80	ng	82
68) Fluorene	8.124	166	5965	1.81	ng	95
69) 4-Chlorophenyl-phenyle...	8.118	204	3272	1.79	ng	96
70) Diethylphthalate	8.012	149	6546	1.98	ng	99
71) 4-Nitroaniline	8.172	138	1179	2.08	ng	83
72) Atrazine	8.754	200	1939	1.85	ng	94
74) 4,6-Dinitro-2-methylph...	8.225	198	119	0.26	ng	56
75) n-Nitrosodiphenylamine	8.231	169	5058	1.99	ng	93
77) 1,2-Diphenylhydrazine	8.268	77	6827	2.21	ng	88
78) 4-Bromophenyl-phenylether	8.583	248	1747	1.82	ng	98
79) Hexachlorobenzene	8.647	284	1730	1.83	ng	81
80) N-Octadecane	8.931	57	3632	2.15	ng	85
81) Pentachlorophenol	0.000		0	N.D.		
82) Phenanthrene	9.064	178	9258	2.02	ng	99
83) Anthracene	9.123	178	9446	2.08	ng	99
84) Carbazole	9.299	167	8405	2.02	ng	97
85) Di-n-butylphthalate	9.678	149	10692	1.92	ng	96
86) Fluoranthene	10.373	202	10229	1.86	ng	87
88) Pyrene	10.629	202	10866	1.97	ng	79
89) Benzidine	10.549	184	2139	1.68	ng	64
91) 4,4'-DDE	10.758	246	2623	1.96	ng	88
92) Endrin	11.057	81	588	2.07	ng	52
93) 4,4'-DDD	11.158	235	4088	1.93	ng	92
94) Butylbenzylphthalate	11.420	149	4498	1.94	ng	97
95) Endrin aldehyde	11.051	67	232m	2.25	ng	
96) 4,4'-DDT	11.505	235	3196	1.69	ng	93
97) Endrin ketone	11.965	317	387m	1.75	ng	
98) 3,3'-Dichlorobenzidine	12.034	252	2848	2.05	ng	93
99) Benzo[a]anthracene	12.045	228	10871	2.09	ng	99
100) Chrysene	12.093	228	9682	2.13	ng	98
101) bis(2-Ethylhexyl)phtha...	12.125	149	6418	2.15	ng	97
103) Di-n-octylphthalate	12.873	149	9468	1.86	ng	93
104) Benzo[b]fluoranthene	13.268	252	7934	1.81	ng	94
105) Benzo[k]fluoranthene	13.300	252	8461	2.05	ng	89
106) Benzo[a]pyrene	13.610	252	7468	1.87	ng	85
107) Indeno[1,2,3-cd]pyrene	14.775	276	6849	1.72	ng	80
108) Dibenzo[a,h]anthracene	14.780	278	5875	1.74	ng	84
109) Benzo[g,h,i]perylene	15.079	276	6412	2.07	ng	79

(#) = qualifier out of range (m) = manual integration (+) = signals summed

SampleID : CAL BNA@10PPM
Data File: 5M57330.D
Acq On : 04/30/10 09:56

Operator : AHD
Sam Mult : 1 Vial# : 4
Misc : A,BNA

Qt Meth : 5M_0430.M
Qt On : 04/30/10 10:28
Qt Upd On: 04/30/10 10:04

Data Path : G:\GcMsData\2010\GCMS_5\Data\04-30-10\
Qt Path : G:\GCMSDATA\2010\GCMS_5\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.255	152	38951	40.00	ng	0.00
29) Naphthalene-d8	6.281	136	142116	40.00	ng	0.00
47) Acenaphthene-d10	7.643	164	86739	40.00	ng	0.00
73) Phenanthrene-d10	9.043	188	162232	40.00	ng	0.00
87) Chrysene-d12	12.061	240	143873	40.00	ng	0.00
102) Perylene-d12	13.664	264	135066	40.00	ng	0.00
System Monitoring Compounds						
10) 2-Fluorophenol	4.016	112	8914	7.22	ng	0.01
Spiked Amount 100.000			Recovery =	7.22%		
15) Phenol-d5	4.983	99	14482	8.95	ng	0.00
Spiked Amount 100.000			Recovery =	8.95%		
30) Nitrobenzene-d5	5.730	128	2618	4.38	ng	0.00
Spiked Amount 50.000			Recovery =	8.76%		
52) 2-Fluorobiphenyl	7.093	172	13049	4.65	ng	0.00
Spiked Amount 50.000			Recovery =	9.30%		
76) 2,4,6-Tribromophenol	8.354	330	3117	9.18	ng	0.00
Spiked Amount 100.000			Recovery =	9.18%		
90) Terphenyl-d14	10.827	244	18379	4.61	ng	0.00
Spiked Amount 50.000			Recovery =	9.22%		
Target Compounds						
						Qvalue
8) Pyridine	2.221	79	8322m	6.19	ng	
9) N-Nitrosodimethylamine	2.167	74	5028	6.42	ng	92
11) Benzaldehyde	4.876	77	10713	10.57	ng	95
12) Aniline	4.977	93	15512	9.13	ng	96
13) Pentachloroethane	5.004	117	3916	9.52	ng	67
14) bis(2-Chloroethyl) ether	5.041	93	10935	9.56	ng	85
16) Phenol	4.993	94	16726	9.99	ng	72
17) 2-Chlorophenol	5.079	128	12311	9.46	ng	84
18) N-Decane	5.127	57	11898	9.93	ng	81
19) 1,3-Dichlorobenzene	5.207	146	13305	9.23	ng	92
20) 1,4-Dichlorobenzene	5.271	146	13991	9.47	ng	99
21) 1,2-Dichlorobenzene	5.399	146	12930	9.61	ng	97
22) Benzyl alcohol	5.399	108	7239	8.86	ng	94
23) bis(2-chloroisopropyl)...	5.501	45	14509	11.06	ng	62
24) 2-Methylphenol	5.506	108	11307	9.70	ng	97
25) Acetophenone	5.608	105	17368	10.19	ng	69
26) Hexachloroethane	5.672	117	5597	10.48	ng	73
27) N-Nitroso-di-n-propyla...	5.613	70	9845	11.37	ng	79
28) 3&4-Methylphenol	5.640	108	11503	9.79	ng	86
31) Nitrobenzene	5.746	77	14930	11.27	ng	91
32) Isophorone	5.933	82	25197	10.21	ng	92
33) 2-Nitrophenol	6.003	139	6398	9.16	ng	93
34) 2,4-Dimethylphenol	6.046	107	13953	10.34	ng	93
35) Benzoic Acid	6.142	105	2652m	4.36	ng	
36) bis(2-Chloroethoxy)met...	6.110	93	12795	9.40	ng	99
37) 2,4-Dichlorophenol	6.201	162	10081	9.43	ng	89
38) 1,2,4-Trichlorobenzene	6.243	180	12766	9.69	ng	95
39) Naphthalene	6.297	128	34125	9.49	ng	98
40) 4-Chloroaniline	6.356	127	11746	10.61	ng	99
41) Hexachlorobutadiene	6.388	225	8157	10.39	ng	94
42) Caprolactam	6.612	113	3564	8.85	ng	73
43) 4-Chloro-3-methylphenol	6.729	107	11815	9.97	ng	94
44) 2-Methylnaphthalene	6.820	142	23935	9.47	ng	100
45) Methylnaphthalenes (To...	6.820	142	23935	9.47	ng	100
46) 1,1'-Biphenyl	7.173	154	30062	9.34	ng	93
48) 1,2,4,5-Tetrachloroben...	6.948	216	13370	9.71	ng	98
49) Hexachlorocyclopentadiene	6.932	237	337	0.70	ng	88
50) 2,4,6-Trichlorophenol	7.045	196	8091	9.40	ng	99
51) 2,4,5-Trichlorophenol	7.082	196	8553	9.33	ng	98
53) 2-Chloronaphthalene	7.189	162	23516	9.75	ng	100
54) 1,4-Dimethylnaphthalene	7.456	156	17515	9.23	ng	98
55) Dimethylnaphthalenes (...)	7.456	156	17515	9.23	ng	98
56) Diphenyl Ether	7.253	170	16578	9.36	ng	90
57) 2-Nitroaniline	7.280	65	8406	9.58	ng	84
58) Acenaphthylene	7.525	152	37172	9.49	ng	99
59) Dimethylphthalate	7.419	163	28123	9.66	ng	99
60) 2,6-Dinitrotoluene	7.477	165	6183	9.60	ng	66
61) Acenaphthene	7.670	153	22775	9.29	ng	96
62) 3-Nitroaniline	7.622	138	5831	10.01	ng	44
63) 2,4-Dinitrophenol	7.744	184	1239	4.24	ng	89
64) Dibenzofuran	7.819	168	33444	9.46	ng	100
65) 2,4-Dinitrotoluene	7.825	165	8260	9.40	ng	94

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@10PPM Operator : AHD Qt Meth : 5M_0430.M
 Data File: 5M57330.D Sam Mult : 1 Vial# : 4 Qt On : 04/30/10 10:28
 Acq On : 04/30/10 09:56 Misc : A,BNA Qt Upd On: 04/30/10 10:04

Data Path : G:\GcmsData\2010\GCMS_5\Data\04-30-10\
 Qt Path : G:\GCMSDATA\2010\GCMS_5\METHODQT\
 Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66) 4-Nitrophenol	7.798	65	2995m	6.51	ng	
67) 2,3,4,6-Tetrachlorophenol	7.937	232	6473	8.53	ng	87
68) Fluorene	8.124	166	27786	9.46	ng	98
69) 4-Chlorophenyl-phenyle...	8.118	204	14882	9.41	ng	92
70) Diethylphthalate	8.017	149	29870	10.20	ng	99
71) 4-Nitroaniline	8.156	138	5995	8.54	ng	75
72) Atrazine	8.754	200	9458	10.09	ng	97
74) 4,6-Dinitro-2-methylph...	8.204	198	3770	8.06	ng	39
75) n-Nitrosodiphenylamine	8.231	169	23818	9.54	ng	96
77) 1,2-Diphenylhydrazine	8.268	77	31774	11.58	ng	92
78) 4-Bromophenyl-phenylether	8.583	248	8442	9.01	ng	94
79) Hexachlorobenzene	8.653	284	8271	9.36	ng	71
80) N-Octadecane	8.936	57	16485	10.37	ng	81
81) Pentachlorophenol	8.861	266	1763	3.92	ng	92
82) Phenanthrene	9.064	178	41798	9.40	ng	99
83) Anthracene	9.117	178	42245	9.41	ng	99
84) Carbazole	9.299	167	38789	9.36	ng	98
85) Di-n-butylphthalate	9.684	149	50196	9.59	ng	99
86) Fluoranthene	10.368	202	48738	9.17	ng	84
88) Pyrene	10.629	202	51600	9.31	ng	78
89) Benzidine	10.544	184	15711	10.76	ng	83
91) 4,4'-DDE	10.763	246	12750	10.51	ng	86
92) Endrin	11.057	81	2862	12.02	ng	35
93) 4,4'-DDD	11.158	235	19703	9.41	ng	87
94) Butylbenzylphthalate	11.425	149	22439	9.43	ng	94
95) Endrin aldehyde	11.057	67	1089	10.85	ng	60
96) 4,4'-DDT	11.511	235	18027	10.45	ng	94
97) Endrin ketone	11.965	317	2157	10.06	ng	93
98) 3,3'-Dichlorobenzidine	12.034	252	12901	9.78	ng	96
99) Benzo[a]anthracene	12.050	228	50140	9.46	ng	99
100) Chrysene	12.093	228	43944	9.17	ng	96
101) bis(2-Ethylhexyl)phtha...	12.130	149	28511	9.52	ng	97
103) Di-n-octylphthalate	12.878	149	45675	8.60	ng	100
104) Benzo[b]fluoranthene	13.268	252	39834	8.54	ng	89
105) Benzo[k]fluoranthene	13.295	252	41754	9.90	ng	89
106) Benzo[a]pyrene	13.610	252	37818	8.89	ng	85
107) Indeno[1,2,3-cd]pyrene	14.770	276	35878	8.45	ng	75
108) Dibenzo[a,h]anthracene	14.775	278	29547	8.36	ng	83
109) Benzo[g,h,i]perylene	15.069	276	29845	8.62	ng	77

(#) = qualifier out of range (m) = manual integration (+) = signals summed

SampleID : CAL BNA@20PPM
Data File: 5M57331.D
Acq On : 04/30/10 10:18

Operator : AHD
Sam Mult : 1 Vial# : 5
Misc : A,BNA

Qt Meth : 5M_0430.M
Qt On : 04/30/10 10:35
Qt Upd On: 04/30/10 10:04

Data Path : G:\GcMsData\2010\GCMS_5\Data\04-30-10\
Qt Path : G:\GCMSDATA\2010\GCMS_5\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.255	152	37264	40.00	ng	0.00
29) Naphthalene-d8	6.286	136	139206	40.00	ng	0.00
47) Acenaphthene-d10	7.643	164	81984	40.00	ng	0.00
73) Phenanthrene-d10	9.042	188	158020	40.00	ng	0.00
87) Chrysene-d12	12.061	240	140081	40.00	ng	0.00
102) Perylene-d12	13.664	264	131819	40.00	ng	0.00
System Monitoring Compounds						
10) 2-Fluorophenol	4.005	112	18546	15.71	ng	0.00
Spiked Amount 100.000			Recovery =	15.71%		
15) Phenol-d5	4.977	99	29413	18.99	ng	0.00
Spiked Amount 100.000			Recovery =	18.99%		
30) Nitrobenzene-d5	5.730	128	5346	9.14	ng	0.00
Spiked Amount 50.000			Recovery =	18.28%		
52) 2-Fluorobiphenyl	7.093	172	25715	9.69	ng	0.00
Spiked Amount 50.000			Recovery =	19.38%		
76) 2,4,6-Tribromophenol	8.353	330	6108	18.47	ng	0.00
Spiked Amount 100.000			Recovery =	18.47%		
90) Terphenyl-d14	10.827	244	35913	9.25	ng	0.00
Spiked Amount 50.000			Recovery =	18.50%		
Target Compounds						
8) Pyridine	2.204	79	18216	14.16	ng	82
9) N-Nitrosodimethylamine	2.156	74	10883	14.52	ng	95
11) Benzaldehyde	4.876	77	21577	22.26	ng	89
12) Aniline	4.972	93	33336	20.50	ng	94
13) Pentachloroethane	4.998	117	7815	19.87	ng	69
14) bis(2-Chloroethyl) ether	5.041	93	19559	17.87	ng	89
16) Phenol	4.988	94	32723	20.43	ng	76
17) 2-Chlorophenol	5.079	128	23597	18.95	ng	83
18) N-Decane	5.127	57	23610	20.60	ng	88
19) 1,3-Dichlorobenzene	5.207	146	26482	19.20	ng	97
20) 1,4-Dichlorobenzene	5.271	146	26762	18.93	ng	95
21) 1,2-Dichlorobenzene	5.399	146	24910	19.34	ng	99
22) Benzyl alcohol	5.399	108	13760	17.59	ng	88
23) bis(2-chloroisopropyl)...	5.501	45	27495	21.91	ng	64
24) 2-Methylphenol	5.506	108	22012	19.74	ng	95
25) Acetophenone	5.607	105	32635	20.02	ng	75
26) Hexachloroethane	5.672	117	10824	21.19	ng	66
27) N-Nitroso-di-n-propyla...	5.613	70	18868	22.78	ng	81
28) 3&4-Methylphenol	5.634	108	21057	18.74	ng	84
31) Nitrobenzene	5.746	77	28204	21.73	ng	88
32) Isophorone	5.933	82	47146	19.50	ng	93
33) 2-Nitrophenol	5.997	139	12152	17.75	ng	83
34) 2,4-Dimethylphenol	6.045	107	26582	20.12	ng	92
35) Benzoic Acid	6.147	105	7401m	12.41	ng	
36) bis(2-Chloroethoxy)met...	6.110	93	25009	18.76	ng	99
37) 2,4-Dichlorophenol	6.195	162	19057	18.19	ng	88
38) 1,2,4-Trichlorobenzene	6.243	180	24306	18.83	ng	97
39) Naphthalene	6.302	128	65692	18.64	ng	99
40) 4-Chloroaniline	6.355	127	25480	23.49	ng	97
41) Hexachlorobutadiene	6.387	225	16014	20.82	ng	96
42) Caprolactam	6.622	113	7253	18.38	ng	82
43) 4-Chloro-3-methylphenol	6.729	107	22794	19.64	ng	92
44) 2-Methylnaphthalene	6.820	142	46847	18.91	ng	99
45) Methylnaphthalenes (To...	6.820	142	46847	18.91	ng	99
46) 1,1'-Biphenyl	7.173	154	58561	18.57	ng	93
48) 1,2,4,5-Tetrachloroben...	6.948	216	25574	19.65	ng	99
49) Hexachlorocyclopentadiene	6.932	237	1747	3.83	ng	91
50) 2,4,6-Trichlorophenol	7.039	196	15136	18.61	ng	97
51) 2,4,5-Trichlorophenol	7.077	196	16332	18.84	ng	98
53) 2-Chloronaphthalene	7.194	162	44786	19.64	ng	96
54) 1,4-Dimethylnaphthalene	7.456	156	33349	18.59	ng	98
55) Dimethylnaphthalenes (...)	7.456	156	33349	18.59	ng	98
56) Diphenyl Ether	7.253	170	32582	19.46	ng	87
57) 2-Nitroaniline	7.280	65	15900	19.17	ng	81
58) Acenaphthylene	7.525	152	71482	19.31	ng	99
59) Dimethylphthalate	7.418	163	54251	19.72	ng	99
60) 2,6-Dinitrotoluene	7.477	165	11835	19.43	ng	77
61) Acenaphthene	7.670	153	42705	18.43	ng	97
62) 3-Nitroaniline	7.616	138	11860	21.55	ng	39
63) 2,4-Dinitrophenol	7.734	184	4122	14.93	ng	79
64) Dibenzofuran	7.819	168	63789	19.09	ng	97
65) 2,4-Dinitrotoluene	7.824	165	16055	19.33	ng	94

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@20PPM
 Data File: 5M57331.D
 Acq On : 04/30/10 10:18

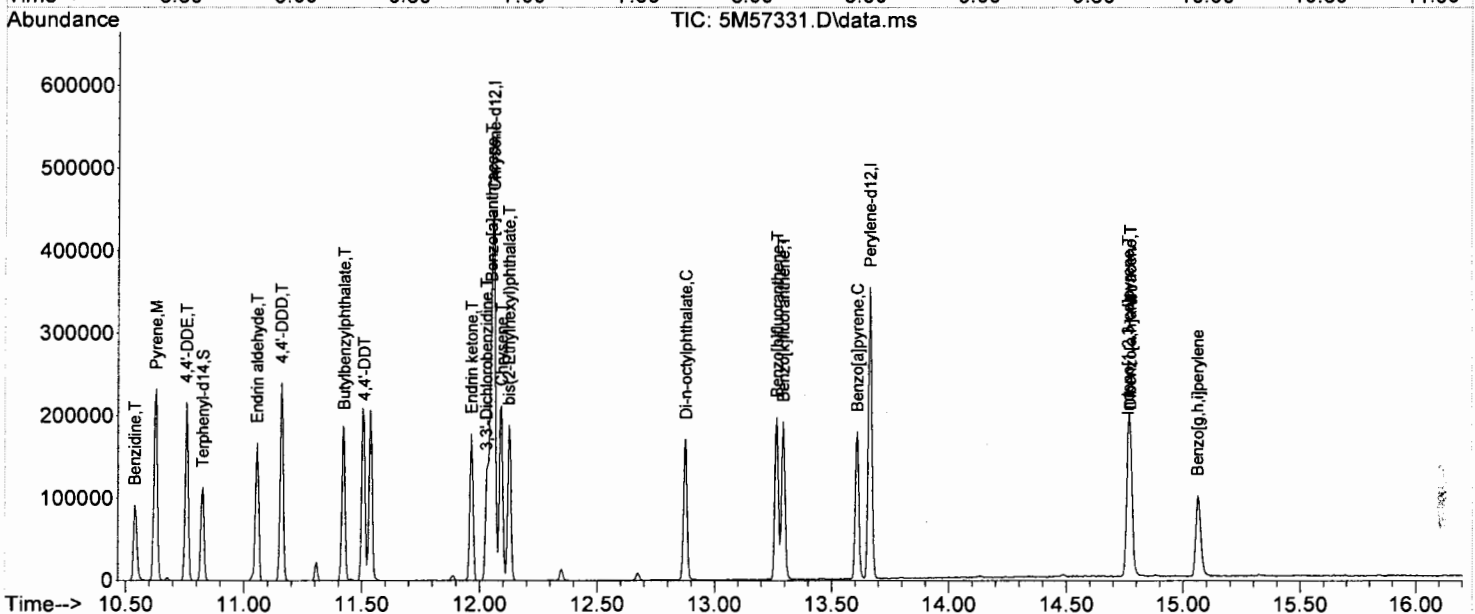
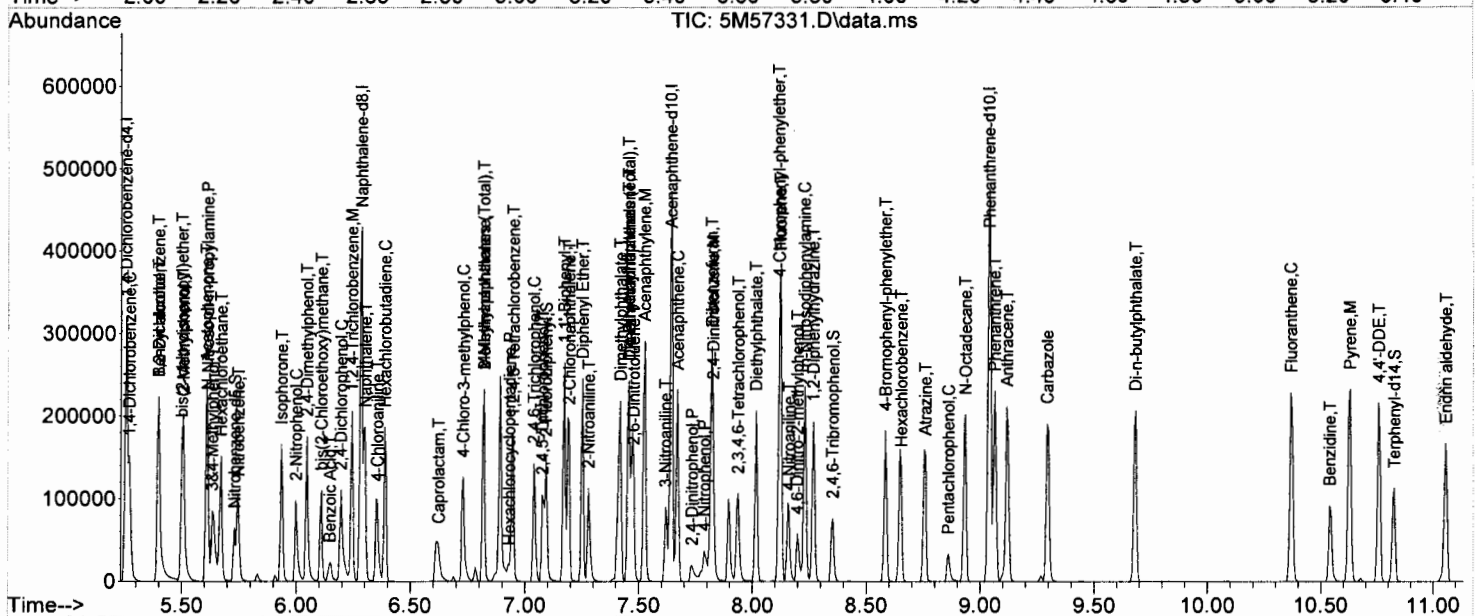
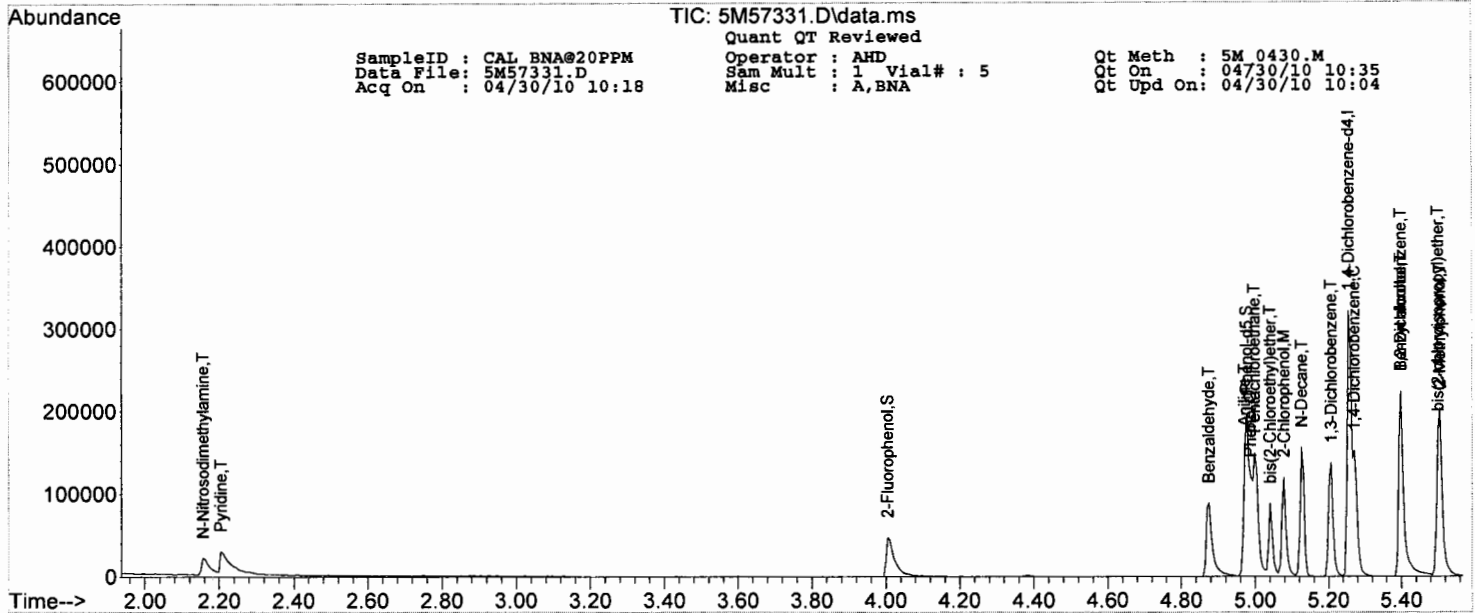
Operator : AHD
 Sam Mult : 1 Vial# : 5
 Misc : A,BNA

Qt Meth : 5M_0430.M
 Qt On : 04/30/10 10:35
 Qt Upd On: 04/30/10 10:04

Data Path : G:\GcMsData\2010\GCMS_5\Data\04-30-10\
 Qt Path : G:\GCMSDATA\2010\GCMS_5\METHODQT\
 Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66) 4-Nitrophenol	7.787	65	6997m	16.08	ng	
67) 2,3,4,6-Tetrachlorophenol	7.937	232	13044	18.18	ng	88
68) Fluorene	8.124	166	54402	19.59	ng	99
69) 4-Chlorophenyl-phenyle...	8.118	204	28938	19.36	ng	92
70) Diethylphthalate	8.017	149	57017	20.61	ng	98
71) 4-Nitroaniline	8.161	138	11689	17.61	ng	78
72) Atrazine	8.759	200	19024	21.47	ng	95
74) 4,6-Dinitro-2-methylph...	8.198	198	8555	18.78	ng	24
75) n-Nitrosodiphenylamine	8.230	169	45488	18.71	ng	99
77) 1,2-Diphenylhydrazine	8.268	77	59411	22.23	ng	90
78) 4-Bromophenyl-phenylether	8.583	248	16457	18.03	ng	93
79) Hexachlorobenzene	8.652	284	16517	19.19	ng	70
80) N-Octadecane	8.936	57	31756	20.52	ng	78
81) Pentachlorophenol	8.861	266	4381	10.00	ng	95
82) Phenanthrene	9.064	178	80808	18.66	ng	98
83) Anthracene	9.117	178	81153	18.56	ng	97
84) Carbazole	9.294	167	74806	18.53	ng	99
85) Di-n-butylphthalate	9.684	149	99946	19.59	ng	99
86) Fluoranthene	10.367	202	96132	18.56	ng	83
88) Pyrene	10.629	202	102018	18.90	ng	76
89) Benzidine	10.538	184	36559	25.73	ng	85
91) 4,4'-DDE	10.757	246	23833	20.18	ng	92
92) Endrin	11.056	81	5586	24.10	ng	39
93) 4,4'-DDD	11.158	235	38943	19.10	ng	88
94) Butylbenzylphthalate	11.425	149	43603	18.82	ng	94
95) Endrin aldehyde	11.056	67	2108	21.57	ng	69
96) 4,4'-DDT	11.511	235	34785	20.72	ng	95
97) Endrin ketone	11.965	317	3904	18.69	ng	95
98) 3,3'-Dichlorobenzidine	12.029	252	27859	21.69	ng	95
99) Benzo[a]anthracene	12.050	228	96805	18.75	ng	99
100) Chrysene	12.093	228	85078	18.22	ng	98
101) bis(2-Ethylhexyl)phtha...	12.125	149	55007	18.86	ng	97
103) Di-n-octylphthalate	12.878	149	92466	17.84	ng	99
104) Benzo[b]fluoranthene	13.268	252	80053	17.59	ng	89
105) Benzo[k]fluoranthene	13.295	252	80508	19.57	ng	90
106) Benzo[a]pyrene	13.610	252	74887	18.05	ng	87
107) Indeno[1,2,3-cd]pyrene	14.764	276	70750	17.07	ng	76
108) Dibenzo[a,h]anthracene	14.775	278	58310	16.91	ng	84
109) Benzo[g,h,i]perylene	15.063	276	57941	17.14	ng	77

(#) = qualifier out of range (m) = manual integration (+) = signals summed



SampleID : CAL BNA@80PPM
Data File: 5M57332.D
Acq On : 04/30/10 10:40

Operator : AHD
Sam Mult : 1 Vial# : 6
Misc : A,BNA

Qt Meth : 5M_0430.M
Qt On : 04/30/10 11:44
Qt Upd On: 04/30/10 10:04

Data Path : G:\GCMSData\2010\GCMS_5\Data\04-30-10\
Qt Path : G:\GCMSDATA\2010\GCMS_5\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.260	152	31100	40.00	ng	0.00
29) Naphthalene-d8	6.286	136	115861	40.00	ng	0.00
47) Acenaphthene-d10	7.643	164	69636	40.00	ng	0.00
73) Phenanthrene-d10	9.043	188	134064	40.00	ng	0.00
87) Chrysene-d12	12.066	240	121976	40.00	ng	0.00
102) Perylene-d12	13.669	264	110699	40.00	ng	0.00

System Monitoring Compounds						
10) 2-Fluorophenol	4.000	112	78401	79.57	ng	0.00
Spiked Amount 100.000			Recovery =	79.57%		
15) Phenol-d5	4.977	99	116269	89.97	ng	0.00
Spiked Amount 100.000			Recovery =	89.97%		
30) Nitrobenzene-d5	5.731	128	18464	37.92	ng	0.00
Spiked Amount 50.000			Recovery =	75.84%		
52) 2-Fluorobiphenyl	7.098	172	93782	41.62	ng	0.00
Spiked Amount 50.000			Recovery =	83.24%		
76) 2,4,6-Tribromophenol	8.359	330	23566	84.02	ng	0.00
Spiked Amount 100.000			Recovery =	84.02%		
90) Terphenyl-d14	10.827	244	133321	39.45	ng	0.00
Spiked Amount 50.000			Recovery =	78.90%		

Target Compounds						Qvalue
8) Pyridine	2.189	79	78846	73.41	ng	80
9) N-Nitrosodimethylamine	2.151	74	44330	70.87	ng	95
11) Benzaldehyde	4.870	77	65333	80.75	ng	88
12) Aniline	4.977	93	137472	101.29	ng	88
13) Pentachloroethane	5.004	117	28943	88.16	ng	69
14) bis(2-Chloroethyl)ether	5.047	93	72297	79.15	ng	87
16) Phenol	4.993	94	121747	91.08	ng	94
17) 2-Chlorophenol	5.079	128	85338	82.09	ng	85
18) N-Decane	5.132	57	80181	83.81	ng	81
19) 1,3-Dichlorobenzene	5.207	146	94978	82.50	ng	96
20) 1,4-Dichlorobenzene	5.271	146	96593	81.86	ng	98
21) 1,2-Dichlorobenzene	5.399	146	96180	89.49	ng	99
22) Benzyl alcohol	5.399	108	57457	88.03	ng	87
23) bis(2-chloroisopropyl)...	5.506	45	91809	87.68	ng	61
24) 2-Methylphenol	5.506	108	77753	83.56	ng	98
25) Acetophenone	5.613	105	125250	92.07	ng	66
26) Hexachloroethane	5.672	117	38179	89.56	ng	67
27) N-Nitroso-di-n-propyla...	5.618	70	66138	95.70	ng	78
28) 3&4-Methylphenol	5.640	108	74409	79.34	ng	100
31) Nitrobenzene	5.747	77	94220	87.23	ng	90
32) Isophorone	5.939	82	170300	84.64	ng	92
33) 2-Nitrophenol	5.998	139	46370	81.39	ng	86
34) 2,4-Dimethylphenol	6.051	107	97725	88.87	ng	94
35) Benzoic Acid	6.179	105	49142m	98.99	ng	
36) bis(2-Chloroethoxy)met...	6.110	93	88698	79.96	ng	99
37) 2,4-Dichlorophenol	6.195	162	72288	82.91	ng	86
38) 1,2,4-Trichlorobenzene	6.243	180	91998	85.63	ng	99
39) Naphthalene	6.302	128	246397	84.01	ng	99
40) 4-Chloroaniline	6.356	127	90117	99.83	ng	100
41) Hexachlorobutadiene	6.393	225	59381	92.75	ng	98
42) Caprolactam	6.660	113	26645	81.12	ng	76
43) 4-Chloro-3-methylphenol	6.730	107	84151	87.11	ng	93
44) 2-Methylnaphthalene	6.820	142	173837	84.32	ng	98
45) Methylnaphthalenes (To...	6.820	142	173837	84.32	ng	98
46) 1,1'-Biphenyl	7.173	154	224343	85.48	ng	94
48) 1,2,4,5-Tetrachloroben...	6.949	216	98700	89.28	ng	98
49) Hexachlorocyclopentadiene	6.933	237	18372	47.38	ng	100
50) 2,4,6-Trichlorophenol	7.045	196	58181	84.24	ng	98
51) 2,4,5-Trichlorophenol	7.082	196	62105	84.34	ng	99
53) 2-Chloronaphthalene	7.194	162	164149	84.74	ng	96
54) 1,4-Dimethylnaphthalene	7.456	156	127179	83.49	ng	98
55) Dimethylnaphthalenes (...)	7.456	156	127179	83.49	ng	98
56) Diphenyl Ether	7.253	170	122171	85.93	ng	89
57) 2-Nitroaniline	7.285	65	54024	76.70	ng	76
58) Acenaphthylene	7.531	152	275706	87.70	ng	99
59) Dimethylphthalate	7.429	163	202147	86.51	ng	99
60) 2,6-Dinitrotoluene	7.483	165	43483	84.05	ng	73
61) Acenaphthene	7.675	153	168078	85.41	ng	97
62) 3-Nitroaniline	7.627	138	40139	85.86	ng	44
63) 2,4-Dinitrophenol	7.729	184	20891	89.11	ng	80
64) Dibenzofuran	7.825	168	257942	90.86	ng	94
65) 2,4-Dinitrotoluene	7.830	165	63239	89.65	ng	84

Quantitation Report (QT Reviewed)

SampleID : CAL_BNA@80PPM Operator : AHD Qt Meth : 5M_0430.M
 Data File: 5M57332.D Sam Mult : 1 Vial# : 6 Qt On : 04/30/10 11:44
 Acq On : 04/30/10 10:40 Misc : A,BNA Qt Upd On: 04/30/10 10:04

Data Path : G:\GCMSData\2010\GCMS_5\Data\04-30-10\
 Qt Path : G:\GCMSDATA\2010\GCMS_5\METHODQT\
 Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66) 4-Nitrophenol	7.787	65	29330m	79.36	ng	
67) 2,3,4,6-Tetrachlorophenol	7.937	232	48855	80.16	ng	85
68) Fluorene	8.129	166	221386	93.87	ng	100
69) 4-Chlorophenyl-phenyle...	8.124	204	123563	97.35	ng	85
70) Diethylphthalate	8.022	149	214953	91.46	ng	99
71) 4-Nitroaniline	8.172	138	43756	77.61	ng	79
72) Atrazine	8.770	200	70323	93.44	ng	97
74) 4,6-Dinitro-2-methylph...	8.204	198	37166	96.15	ng	30
75) n-Nitrosodiphenylamine	8.241	169	172866	83.80	ng	99
77) 1,2-Diphenylhydrazine	8.273	77	207677	91.60	ng	87
78) 4-Bromophenyl-phenylether	8.589	248	66904	86.40	ng	90
79) Hexachlorobenzene	8.653	284	64030	87.67	ng	77
80) N-Octadecane	8.936	57	118317	90.11	ng	74
81) Pentachlorophenol	8.861	266	23921	64.35	ng	97
82) Phenanthrene	9.069	178	310695	84.59	ng	99
83) Anthracene	9.128	178	309736	83.51	ng	99
84) Carbazole	9.305	167	284313	83.02	ng	99
85) Di-n-butylphthalate	9.689	149	393659	90.96	ng	98
86) Fluoranthene	10.373	202	386852	88.05	ng	83
88) Pyrene	10.635	202	393516	83.74	ng	76
89) Benzidine	10.544	184	114557	92.58	ng	79
91) 4,4'-DDE	10.763	246	95383	92.77	ng	90
92) Endrin	11.057	81	20518	101.65	ng	33
93) 4,4'-DDD	11.164	235	149493	84.19	ng	90
94) Butylbenzylphthalate	11.431	149	166554	82.56	ng	90
95) Endrin aldehyde	11.057	67	7355	86.43	ng	75
96) 4,4'-DDT	11.511	235	140026	95.77	ng	96
97) Endrin ketone	11.970	317	15880	87.32	ng	98
98) 3,3'-Dichlorobenzidine	12.040	252	104483	93.41	ng	95
99) Benzo[a]anthracene	12.056	228	363909	80.97	ng	99
100) Chrysene	12.098	228	321552	79.10	ng	98
101) bis(2-Ethylhexyl)phtha...	12.131	149	209181	82.36	ng	96
103) Di-n-octylphthalate	12.878	149	371296	85.31	ng	100
104) Benzo[b]fluoranthene	13.274	252	328904	86.03	ng	90
105) Benzo[k]fluoranthene	13.306	252	289316	83.73	ng	89
106) Benzo[a]pyrene	13.616	252	292112	83.82	ng	88
107) Indeno[1,2,3-cd]pyrene	14.775	276	297777	85.55	ng	78
108) Dibenzo[a,h]anthracene	14.786	278	252902	87.35	ng	83
109) Benzo[g,h,i]perylene	15.079	276	228036	80.31	ng	77

(#) = qualifier out of range (m) = manual integration (+) = signals summed



SampleID : CAL BNA@120PPM
Data File: 5M57333.D
Acq On : 04/30/10 11:02

Operator : AHD
Sam Mult : 1 Vial# : 7
Misc : A,BNA

Qt Meth : 5M 0430.M
Qt On : 04/30/10 11:44
Qt Upd On: 04/30/10 10:04

Data Path : G:\GcMsData\2010\GCMS_5\Data\04-30-10\
Qt Path : G:\GCMSDATA\2010\GCMS_5\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.260	152	29972	40.00	ng	0.00
29) Naphthalene-d8	6.286	136	109095	40.00	ng	0.00
47) Acenaphthene-d10	7.648	164	66138	40.00	ng	0.00
73) Phenanthrene-d10	9.043	188	127182	40.00	ng	0.00
87) Chrysene-d12	12.072	240	116634	40.00	ng	0.00
102) Perylene-d12	13.669	264	102681	40.00	ng	0.00
System Monitoring Compounds						
10) 2-Fluorophenol	3.999	112	117607	123.85	ng	0.00
Spiked Amount 100.000			Recovery =	123.85%		
15) Phenol-d5	4.982	99	171333	137.56	ng	0.00
Spiked Amount 100.000			Recovery =	137.56%		
30) Nitrobenzene-d5	5.736	128	26961	58.80	ng	0.00
Spiked Amount 50.000			Recovery =	117.60%		
52) 2-Fluorobiphenyl	7.098	172	137282	64.14	ng	0.00
Spiked Amount 50.000			Recovery =	128.28%		
76) 2,4,6-Tribromophenol	8.359	330	35746	134.33	ng	0.00
Spiked Amount 100.000			Recovery =	134.33%		
90) Terphenyl-d14	10.832	244	188916	58.46	ng	0.00
Spiked Amount 50.000			Recovery =	116.92%		
Target Compounds						
8) Pyridine	2.183	79	117066	113.10	ng	83
9) N-Nitrosodimethylamine	2.151	74	67843	112.54	ng	98
11) Benzaldehyde	4.870	77	63577	81.54	ng	88
12) Aniline	4.977	93	203337	155.46	ng	56
13) Pentachloroethane	5.004	117	43056	136.09	ng	66
14) bis(2-Chloroethyl) ether	5.052	93	106677	121.18	ng	83
16) Phenol	4.998	94	185353	143.89	ng	97
17) 2-Chlorophenol	5.079	128	124673	124.45	ng	84
18) N-Decane	5.132	57	117090	127.00	ng	79
19) 1,3-Dichlorobenzene	5.207	146	141608	127.63	ng	96
20) 1,4-Dichlorobenzene	5.271	146	144613	127.17	ng	98
21) 1,2-Dichlorobenzene	5.399	146	145934	140.89	ng	99
22) Benzyl alcohol	5.399	108	84864	134.91	ng	85
23) bis(2-chloroisopropyl)...	5.506	45	126955	125.81	ng	56
24) 2-Methylphenol	5.506	108	113934	127.06	ng	98
25) Acetophenone	5.618	105	183489	139.95	ng	62
26) Hexachloroethane	5.672	117	56048	136.43	ng	68
27) N-Nitroso-di-n-propyla...	5.624	70	94708	142.19	ng	75
28) 3&4-Methylphenol	5.640	108	110085	121.80	ng	96
31) Nitrobenzene	5.752	77	134955	132.70	ng	87
32) Isophorone	5.944	82	243617	128.59	ng	90
33) 2-Nitrophenol	6.003	139	68198	127.13	ng	98
34) 2,4-Dimethylphenol	6.051	107	139610	134.84	ng	94
35) Benzoic Acid	6.195	105	67736	144.91	ng	95
36) bis(2-Chloroethoxy)met...	6.115	93	128514	123.04	ng	97
37) 2,4-Dichlorophenol	6.195	162	110573	134.69	ng	90
38) 1,2,4-Trichlorobenzene	6.249	180	136964	135.39	ng	97
39) Naphthalene	6.302	128	361868	131.03	ng	98
40) 4-Chloroaniline	6.355	127	121732	143.22	ng	100
41) Hexachlorobutadiene	6.393	225	90481	150.09	ng	97
42) Caprolactam	6.676	113	33553	108.48	ng	77
43) 4-Chloro-3-methylphenol	6.735	107	121923	134.04	ng	88
44) 2-Methylnaphthalene	6.820	142	264252	136.13	ng	99
45) Methylnaphthalenes (To...	6.820	142	264252	136.13	ng	99
46) 1,1'-Biphenyl	7.178	154	334776	135.47	ng	92
48) 1,2,4,5-Tetrachloroben...	6.948	216	146008	139.05	ng	99
49) Hexachlorocyclopentadiene	6.932	237	33810	91.81	ng	98
50) 2,4,6-Trichlorophenol	7.045	196	84841	129.33	ng	97
51) 2,4,5-Trichlorophenol	7.082	196	90283	129.09	ng	96
53) 2-Chloronaphthalene	7.194	162	241606	131.32	ng	95
54) 1,4-Dimethylnaphthalene	7.461	156	189832	131.20	ng	93
55) Dimethylnaphthalenes (...)	7.461	156	189832	131.20	ng	93
56) Diphenyl Ether	7.258	170	184639	136.73	ng	80
57) 2-Nitroaniline	7.290	65	77511	115.86	ng	70
58) Acenaphthylene	7.531	152	403527	135.15	ng	99
59) Dimethylphthalate	7.429	163	292717	131.89	ng	99
60) 2,6-Dinitrotoluene	7.488	165	63395	129.02	ng	71
61) Acenaphthene	7.675	153	249985	133.75	ng	97
62) 3-Nitroaniline	7.627	138	55253	124.44	ng	40
63) 2,4-Dinitrophenol	7.728	184	32607	146.44	ng	78
64) Dibenzofuran	7.825	168	379676	140.82	ng	95
65) 2,4-Dinitrotoluene	7.835	165	91600	136.72	ng	80

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@120PPM Operator : AHD Qt Meth : 5M_0430.M
 Data File: 5M57333.D Sam Mult : 1 Vial# : 7 Qt On : 04/30/10 11:44
 Acq On : 04/30/10 11:02 Misc : A,BNA Qt Upd On: 04/30/10 10:04

Data Path : G:\GCMSData\2010\GCMS_5\Data\04-30-10\
 Qt Path : G:\GCMSDATA\2010\GCMS_5\METHODQT\
 Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66) 4-Nitrophenol	7.787	65	44043m	125.47	ng	
67) 2,3,4,6-Tetrachlorophenol	7.942	232	75736	130.83	ng	88
68) Fluorene	8.129	166	335690	149.87	ng	99
69) 4-Chlorophenyl-phenyle...	8.124	204	191869	159.15	ng	88
70) Diethylphthalate	8.028	149	320427	143.54	ng	97
71) 4-Nitroaniline	8.182	138	61483	114.82	ng	78
72) Atrazine	8.775	200	103152	144.30	ng	97
74) 4,6-Dinitro-2-methylph...	8.215	198	53601	146.18	ng	44
75) n-Nitrosodiphenylamine	8.247	169	251212	128.38	ng	99
77) 1,2-Diphenylhydrazine	8.279	77	296818	138.00	ng	79
78) 4-Bromophenyl-phenylether	8.588	248	99609	135.60	ng	94
79) Hexachlorobenzene	8.658	284	96021	138.58	ng	71
80) N-Octadecane	8.941	57	165963	133.23	ng	72
81) Pentachlorophenol	8.861	266	35065	99.44	ng	98
82) Phenanthrene	9.075	178	465073	133.47	ng	100
83) Anthracene	9.128	178	457415	129.99	ng	100
84) Carbazole	9.304	167	419740	129.20	ng	99
85) Di-n-butylphthalate	9.689	149	577851	140.75	ng	99
86) Fluoranthene	10.378	202	572621	137.39	ng	82
88) Pyrene	10.635	202	577574	128.54	ng	79
89) Benzidine	10.544	184	113653	96.05	ng	80
91) 4,4'-DDE	10.768	246	144192	146.66	ng	91
92) Endrin	11.062	81	28955	150.02	ng	30
93) 4,4'-DDD	11.163	235	225882	133.04	ng	91
94) Butylbenzylphthalate	11.431	149	243296	126.13	ng	90
95) Endrin aldehyde	11.062	67	10197	125.31	ng	76
96) 4,4'-DDT	11.516	235	202194	144.62	ng	97
97) Endrin ketone	11.975	317	23675	136.15	ng	99
98) 3,3'-Dichlorobenzidine	12.045	252	135164	126.37	ng	95
99) Benzo[a]anthracene	12.061	228	534292	124.32	ng	99
100) Chrysene	12.104	228	462198	118.91	ng	99
101) bis(2-Ethylhexyl)phtha...	12.136	149	305156	125.65	ng	96
103) Di-n-octylphthalate	12.884	149	549213	136.05	ng	100
104) Benzo[b]fluoranthene	13.279	252	458009	129.16	ng	90
105) Benzo[k]fluoranthene	13.311	252	443784	138.47	ng	89
106) Benzo[a]pyrene	13.621	252	425487	131.63	ng	87
107) Indeno[1,2,3-cd]pyrene	14.785	276	438730	135.89	ng	84
108) Dibenzo[a,h]anthracene	14.791	278	377378	140.52	ng	85
109) Benzo[g,h,i]perylene	15.085	276	330621	125.54	ng	77

(#) = qualifier out of range (m) = manual integration (+) = signals summed

SampleID : CAL BNA@160PPM
Data File: 5M57334.D
Acq On : 04/30/10 11:24

Operator : AHD
Sam Mult : 1 Vial# : 8
Misc : A,BNA

Qt Meth : 5M_0430.M
Qt On : 04/30/10 11:44
Qt Upd On: 04/30/10 10:04

Data Path : G:\GcMsData\2010\GCMS_5\Data\04-30-10\
Qt Path : G:\GCMSDATA\2010\GCMS_5\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.260	152	31101	40.00	ng	0.00
29) Naphthalene-d8	6.291	136	114421	40.00	ng	0.00
47) Acenaphthene-d10	7.648	164	71700	40.00	ng	0.00
73) Phenanthrene-d10	9.048	188	135017	40.00	ng	0.00
87) Chrysene-d12	12.077	240	124520	40.00	ng	0.01
102) Perylene-d12	13.674	264	104477	40.00	ng	0.00
System Monitoring Compounds						
10) 2-Fluorophenol	3.999	112	176781	179.40	ng	0.00
Spiked Amount 100.000			Recovery	=	179.40%	
15) Phenol-d5	4.988	99	251994	194.98	ng	0.01
Spiked Amount 100.000			Recovery	=	194.98%	
30) Nitrobenzene-d5	5.736	128	38662	80.40	ng	0.00
Spiked Amount 50.000			Recovery	=	160.80%	
52) 2-Fluorobiphenyl	7.098	172	202546	87.29	ng	0.00
Spiked Amount 50.000			Recovery	=	174.58%	
76) 2,4,6-Tribromophenol	8.364	330	54387	192.53	ng	0.00
Spiked Amount 100.000			Recovery	=	192.53%	
90) Terphenyl-d14	10.832	244	275966	80.00	ng	0.00
Spiked Amount 50.000			Recovery	=	160.00%	
Target Compounds						
8) Pyridine	2.183	79	168143	156.55	ng	81
9) N-Nitrosodimethylamine	2.156	74	98481	157.43	ng	94
11) Benzaldehyde	4.875	77	68808	85.05	ng	87
12) Aniline	4.982	93	297535	219.22	ng	56
13) Pentachloroethane	5.004	117	65695	200.10	ng	65
14) bis(2-Chloroethyl) ether	5.057	93	150089	164.30	ng	81
16) Phenol	5.004	94	268713	201.03	ng	92
17) 2-Chlorophenol	5.084	128	176756	170.03	ng	82
18) N-Decane	5.132	57	162041	169.38	ng	80
19) 1,3-Dichlorobenzene	5.207	146	206299	179.18	ng	98
20) 1,4-Dichlorobenzene	5.276	146	215509	182.64	ng	98
21) 1,2-Dichlorobenzene	5.399	146	222080	206.63	ng	98
22) Benzyl alcohol	5.404	108	120920	185.25	ng	82
23) bis(2-chloroisopropyl)...	5.506	45	172886	165.11	ng	58
24) 2-Methylphenol	5.511	108	164707	177.01	ng	97
25) Acetophenone	5.623	105	266078	195.58	ng	59
26) Hexachloroethane	5.671	117	80348	188.48	ng	73
27) N-Nitroso-di-n-propyla...	5.629	70	132228	191.32	ng	75
28) 3&4-Methylphenol	5.645	108	157674	168.12	ng	97
31) Nitrobenzene	5.752	77	191200	179.25	ng	90
32) Isophorone	5.949	82	348085	175.18	ng	88
33) 2-Nitrophenol	6.003	139	100848	179.24	ng	96
34) 2,4-Dimethylphenol	6.056	107	203582	187.47	ng	95
35) Benzoic Acid	6.222	105	110796m	226.00	ng	
36) bis(2-Chloroethoxy)met...	6.120	93	187541	171.19	ng	96
37) 2,4-Dichlorophenol	6.200	162	164681	191.27	ng	88
38) 1,2,4-Trichlorobenzene	6.248	180	203396	191.69	ng	97
39) Naphthalene	6.307	128	540726	186.68	ng	99
40) 4-Chloroaniline	6.355	127	181557	203.66	ng	99
41) Hexachlorobutadiene	6.393	225	137884	218.08	ng	97
42) Caprolactam	6.697	113	47461	146.30	ng	75
43) 4-Chloro-3-methylphenol	6.740	107	185976	194.94	ng	85
44) 2-Methylnaphthalene	6.825	142	409038	200.90	ng	100
45) Methylnaphthalenes (To...	6.825	142	409038	200.90	ng	100
46) 1,1'-Biphenyl	7.183	154	521255	201.11	ng	92
48) 1,2,4,5-Tetrachloroben...	6.954	216	226907	199.33	ng	98
49) Hexachlorocyclopentadiene	6.932	237	61132	153.13	ng	98
50) 2,4,6-Trichlorophenol	7.044	196	129659	182.32	ng	99
51) 2,4,5-Trichlorophenol	7.087	196	132114	174.25	ng	99
53) 2-Chloronaphthalene	7.199	162	360839	180.92	ng	94
54) 1,4-Dimethylnaphthalene	7.461	156	286633	182.74	ng	94
55) Dimethylnaphthalenes (...)	7.461	156	286633	182.74	ng	94
56) Diphenyl Ether	7.258	170	280866	191.86	ng	80
57) 2-Nitroaniline	7.296	65	108471	149.57	ng	67
58) Acenaphthylene	7.536	152	589280	182.06	ng	99
59) Dimethylphthalate	7.440	163	424365	176.38	ng	99
60) 2,6-Dinitrotoluene	7.493	165	96117	180.44	ng	70
61) Acenaphthene	7.680	153	380458	187.77	ng	95
62) 3-Nitroaniline	7.637	138	81831	170.00	ng	47
63) 2,4-Dinitrophenol	7.734	184	50320	208.46	ng	79
64) Dibenzofuran	7.830	168	561287	192.03	ng	90
65) 2,4-Dinitrotoluene	7.840	165	130298	179.39	ng	82

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@160PPM
 Data File: 5M57334.D
 Acq On : 04/30/10 11:24

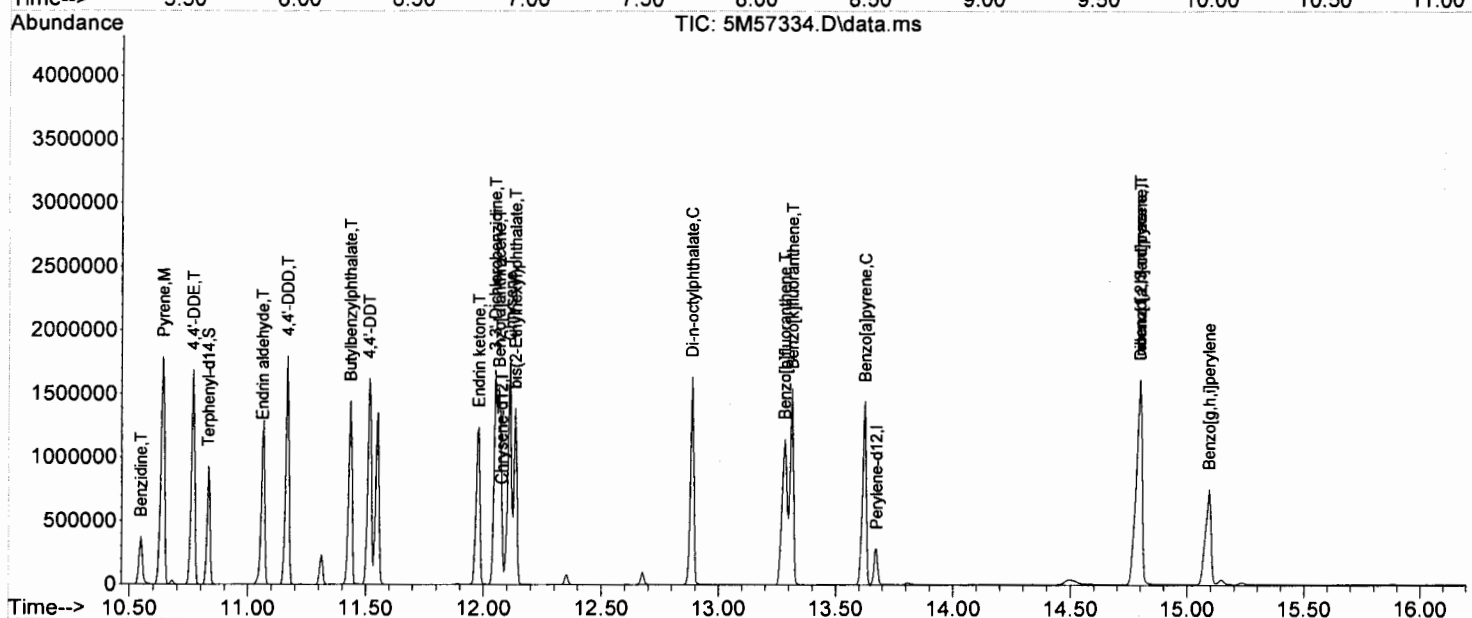
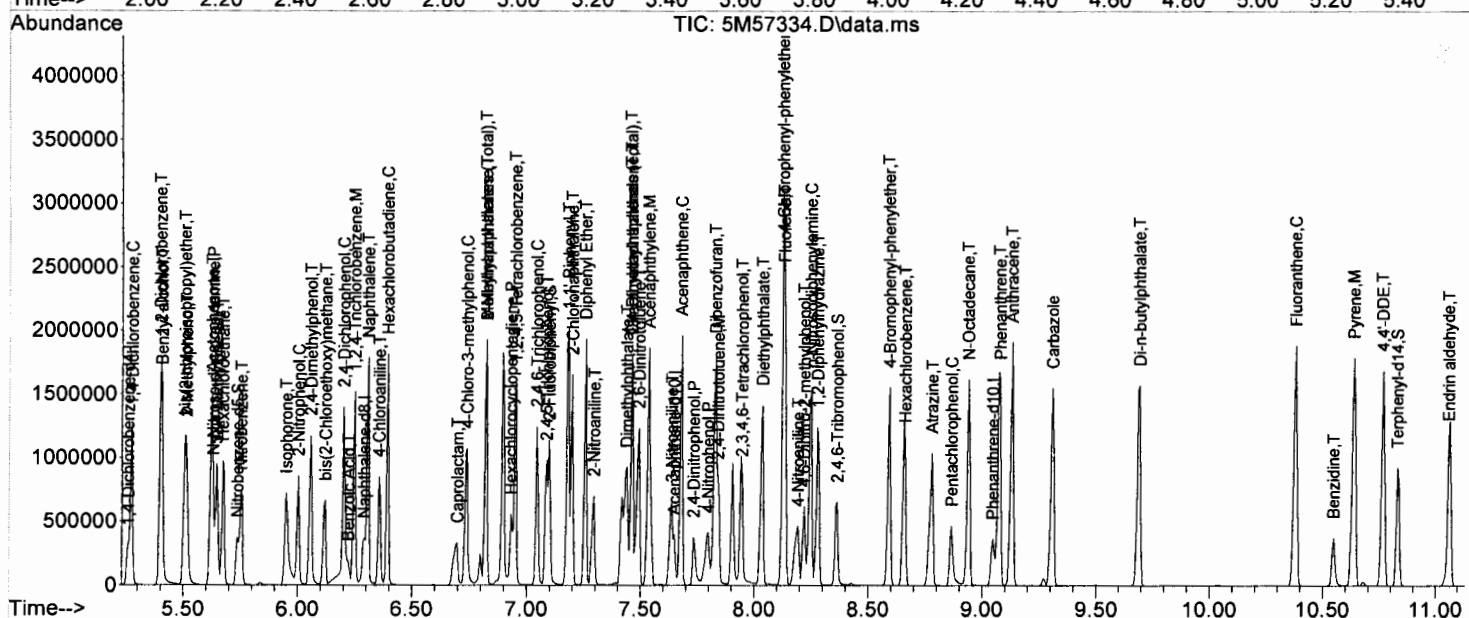
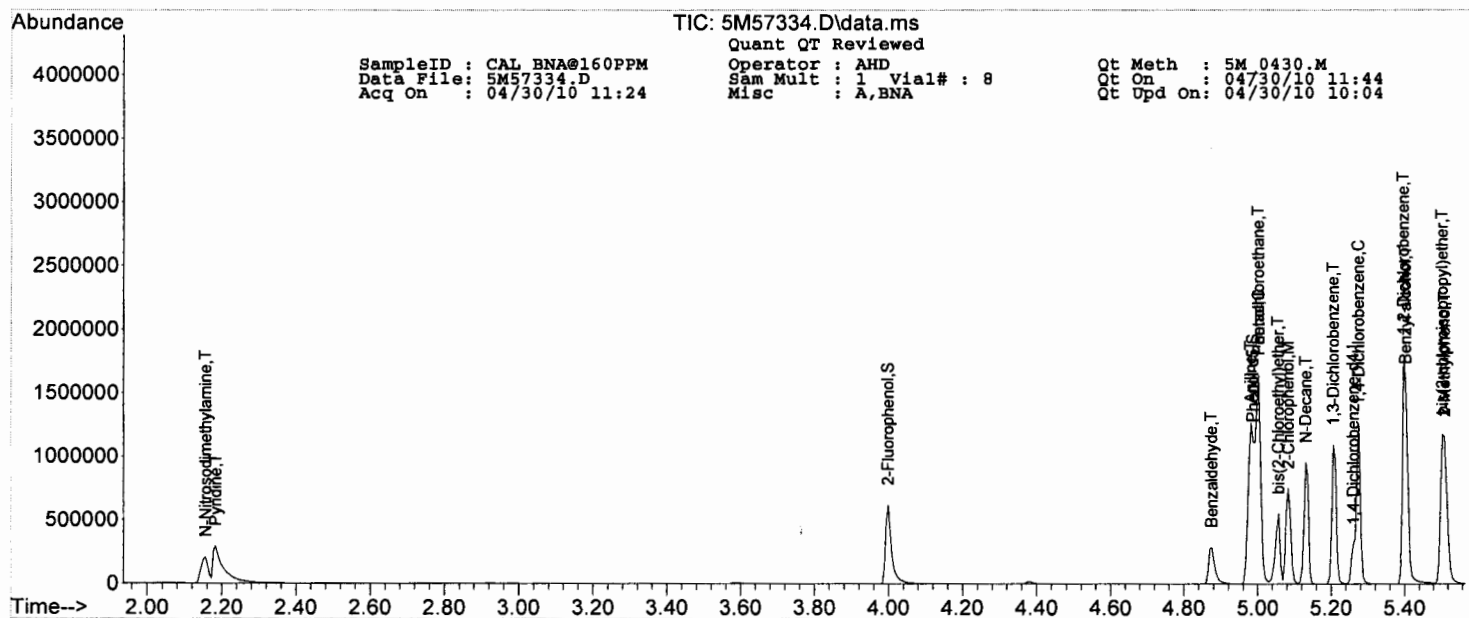
Operator : AHD
 Sam Mult : 1 Vial# : 8
 Misc : A,BNA

Qt Meth : 5M_0430.M
 Qt On : 04/30/10 11:44
 Qt Upd On: 04/30/10 10:04

Data Path : G:\GcMsData\2010\GCMS_5\Data\04-30-10\
 Qt Path : G:\GCMSDATA\2010\GCMS_5\METHODQT\
 Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66) 4-Nitrophenol	7.798	65	63537m	166.96	ng	
67) 2,3,4,6-Tetrachlorophenol	7.947	232	111313	177.37	ng	85
68) Fluorene	8.134	166	507051	208.81	ng	100
69) 4-Chlorophenyl-phenyle...	8.129	204	293475	224.55	ng	79
70) Diethylphthalate	8.038	149	475572	196.52	ng	95
71) 4-Nitroaniline	8.193	138	87813	151.27	ng	79
72) Atrazine	8.781	200	149080	192.38	ng	97
74) 4,6-Dinitro-2-methylph...	8.220	198	79918	205.30	ng	42
75) n-Nitrosodiphenylamine	8.252	169	385055	185.36	ng	100
77) 1,2-Diphenylhydrazine	8.278	77	416331	182.33	ng	85
78) 4-Bromophenyl-phenylether	8.594	248	155239	199.07	ng	89
79) Hexachlorobenzene	8.663	284	146699	199.43	ng	65
80) N-Octadecane	8.941	57	234294	177.17	ng	66
81) Pentachlorophenol	8.866	266	52986	141.54	ng	95
82) Phenanthrene	9.080	178	691975	187.06	ng	99
83) Anthracene	9.133	178	688368	184.28	ng	100
84) Carbazole	9.310	167	622363	180.45	ng	99
85) Di-n-butylphthalate	9.694	149	856690	196.56	ng	98
86) Fluoranthene	10.383	202	844620	190.89	ng	81
88) Pyrene	10.640	202	843273	175.78	ng	78
89) Benzidine	10.549	184	133984	106.06	ng	80
91) 4,4'-DDE	10.768	246	210751	200.78	ng	92
92) Endrin	11.062	81	41652	202.14	ng	26
93) 4,4'-DDD	11.169	235	330056	182.09	ng	92
94) Butylbenzylphthalate	11.436	149	352608	171.22	ng	88
95) Endrin aldehyde	11.062	67	14268	164.23	ng	79
96) 4,4'-DDT	11.516	235	297829	199.53	ng	98
97) Endrin ketone	11.981	317	35715	192.38	ng	98
98) 3,3'-Dichlorobenzidine	12.050	252	205358	179.84	ng	95
99) Benzo[a]anthracene	12.066	228	778423	169.66	ng	99
100) Chrysene	12.114	228	691185	166.56	ng	99
101) bis(2-Ethylhexyl)phtha...	12.136	149	449350	173.31	ng	96
103) Di-n-octylphthalate	12.889	149	828097	201.61	ng	99
104) Benzo[b]fluoranthene	13.284	252	719058	199.29	ng	89
105) Benzo[k]fluoranthene	13.316	252	586641	179.89	ng	90
106) Benzo[a]pyrene	13.626	252	625399	190.15	ng	88
107) Indeno[1,2,3-cd]pyrene	14.801	276	646574	196.82	ng	88
108) Dibenzo[a,h]anthracene	14.801	278	563468	206.20	ng	86
109) Benzo[g,h,i]perylene	15.095	276	483217	180.33	ng	77

(#) = qualifier out of range (m) = manual integration (+) = signals summed



SampleID : CAL_BNA@196PPM
Data File: 5M57335.D
Acq On : 04/30/10 11:47

Operator : AHD
Sam Mult : 1 Vial# : 9
Misc : A,BNA

Qt Meth : 5M_0430.M
Qt On : 04/30/10 12:02
Qt Upd On: 04/30/10 10:04

Data Path : G:\GcMsData\2010\GCMS_5\Data\04-30-10\
Qt Path : G:\GCMSDATA\2010\GCMS_5\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.260	152	27844	40.00	ng	0.00
29) Naphthalene-d8	6.291	136	101478	40.00	ng	0.00
47) Acenaphthene-d10	7.648	164	64889	40.00	ng	0.00
73) Phenanthrene-d10	9.048	188	119753	40.00	ng	0.00
87) Chrysene-d12	12.077	240	111485	40.00	ng	0.01
102) Perylene-d12	13.674	264	91990	40.00	ng	0.00
System Monitoring Compounds						
10) 2-Fluorophenol	3.999	112	206414	233.98	ng	0.00
Spiked Amount 100.000			Recovery	=	233.98%	
15) Phenol-d5	4.993	99	297700	257.29	ng	0.02
Spiked Amount 100.000			Recovery	=	257.29%	
30) Nitrobenzene-d5	5.736	128	44191	103.62	ng	0.00
Spiked Amount 50.000			Recovery	=	207.24%	
52) 2-Fluorobiphenyl	7.098	172	245894	117.10	ng	0.00
Spiked Amount 50.000			Recovery	=	234.20%	
76) 2,4,6-Tribromophenol	8.364	330	63915	255.09	ng	0.00
Spiked Amount 100.000			Recovery	=	255.09%	
90) Terphenyl-d14	10.837	244	321676	104.15	ng	0.00
Spiked Amount 50.000			Recovery	=	208.30%	
Target Compounds						
8) Pyridine	2.183	79	195629	203.45	ng	80
9) N-Nitrosodimethylamine	2.156	74	113655	202.94	ng	95
11) Benzaldehyde	4.876	77	55787	77.02	ng	89
12) Aniline	4.982	93	334745	275.48	ng	54
13) Pentachloroethane	5.004	117	79334	269.91	ng	63
14) bis(2-Chloroethyl)ether	5.057	93	172348	210.74	ng	83
16) Phenol	5.004	94	314272	262.61	ng	94
17) 2-Chlorophenol	5.084	128	204111	219.31	ng	81
18) N-Decane	5.137	57	182140	212.66	ng	74
19) 1,3-Dichlorobenzene	5.212	146	242046	234.82	ng	96
20) 1,4-Dichlorobenzene	5.276	146	251529	238.10	ng	99
21) 1,2-Dichlorobenzene	5.399	146	258023	268.15	ng	99
22) Benzyl alcohol	5.410	108	140576	240.56	ng	87
23) bis(2-chloroisopropyl)...	5.506	45	194508	207.48	ng	56
24) 2-Methylphenol	5.511	108	193209	231.93	ng	98
25) Acetophenone	5.623	105	310532	254.96	ng	60
26) Hexachloroethane	5.672	117	92474	242.30	ng	74
27) N-Nitroso-di-n-propyla...	5.634	70	154589	249.84	ng	73
28) 3&4-Methylphenol	5.650	108	187394	223.19	ng	99
31) Nitrobenzene	5.757	77	216571	228.94	ng	85
32) Isophorone	5.955	82	398903	226.36	ng	87
33) 2-Nitrophenol	6.003	139	116106	232.68	ng	93
34) 2,4-Dimethylphenol	6.061	107	235825	244.86	ng	97
35) Benzoic Acid	6.232	105	135092m	310.71	ng	
36) bis(2-Chloroethoxy)met...	6.120	93	215871	222.19	ng	97
37) 2,4-Dichlorophenol	6.206	162	196695	257.59	ng	84
38) 1,2,4-Trichlorobenzene	6.248	180	235226	249.97	ng	98
39) Naphthalene	6.307	128	630764	245.54	ng	99
40) 4-Chloroaniline	6.361	127	175864	222.44	ng	99
41) Hexachlorobutadiene	6.393	225	160528	286.27	ng	97
42) Caprolactam	6.703	113	55968	194.53	ng	76
43) 4-Chloro-3-methylphenol	6.740	107	215310	254.48	ng	88
44) 2-Methylnaphthalene	6.825	142	467756	259.05	ng	99
45) Methylnaphthalenes (To...	6.825	142	467756	259.05	ng	99
46) 1,1'-Biphenyl	7.183	154	607512	264.28	ng	92
48) 1,2,4,5-Tetrachloroben...	6.954	216	266400	258.59	ng	98
49) Hexachlorocyclopentadiene	6.938	237	75368	208.61	ng	99
50) 2,4,6-Trichlorophenol	7.050	196	150789	234.29	ng	98
51) 2,4,5-Trichlorophenol	7.087	196	157661	229.77	ng	98
53) 2-Chloronaphthalene	7.199	162	424530	235.19	ng	95
54) 1,4-Dimethylnaphthalene	7.467	156	340646	239.97	ng	88
55) Dimethylnaphthalenes (...)	7.467	156	340646	239.97	ng	88
56) Diphenyl Ether	7.258	170	335189	252.99	ng	81
57) 2-Nitroaniline	7.296	65	120747	183.97	ng	69
58) Acenaphthylene	7.536	152	690804	235.82	ng	99
59) Dimethylphthalate	7.440	163	494129	226.93	ng	99
60) 2,6-Dinitrotoluene	7.499	165	112028	232.39	ng	65
61) Acenaphthene	7.680	153	447900	244.25	ng	98
62) 3-Nitroaniline	7.637	138	90221	207.11	ng	44
63) 2,4-Dinitrophenol	7.739	184	58503	267.80	ng	82
64) Dibenzofuran	7.830	168	652866	246.81	ng	91
65) 2,4-Dinitrotoluene	7.846	165	148922	226.55	ng	74

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@196PPM Operator : AHD Qt Meth : 5M_0430.M
 Data File: 5M57335.D Sam Mult : 1 Vial# : 9 Qt On : 04/30/10 12:02
 Acq On : 04/30/10 11:47 Misc : A,BNA Qt Upd On: 04/30/10 10:04

Data Path : G:\GcMsData\2010\GCMS_5\Data\04-30-10\
 Qt Path : G:\GCMSDATA\2010\GCMS_5\METHODQT\
 Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66) 4-Nitrophenol	7.798	65	72134m	209.45	ng	
67) 2,3,4,6-Tetrachlorophenol	7.947	232	130674	230.08	ng	85
68) Fluorene	8.134	166	579564	263.73	ng	99
69) 4-Chlorophenyl-phenyle...	8.129	204	345423	292.04	ng	81
70) Diethylphthalate	8.038	149	551121	251.64	ng	96
71) 4-Nitroaniline	8.198	138	99554m	189.50	ng	
72) Atrazine	8.786	200	174106	248.25	ng	96
74) 4,6-Dinitro-2-methylph...	8.225	198	93793	271.65	ng	46
75) n-Nitrosodiphenylamine	8.252	169	448231	243.27	ng	99
77) 1,2-Diphenylhydrazine	8.284	77	474586	234.34	ng	76
78) 4-Bromophenyl-phenylether	8.594	248	184723	267.07	ng	90
79) Hexachlorobenzene	8.663	284	173640	266.15	ng	68
80) N-Octadecane	8.941	57	264894	225.84	ng	68
81) Pentachlorophenol	8.866	266	61931	186.52	ng	96
82) Phenanthrene	9.080	178	804202	245.11	ng	99
83) Anthracene	9.133	178	811156	244.83	ng	99
84) Carbazole	9.315	167	723459	236.50	ng	99
85) Di-n-butylphthalate	9.694	149	987503	255.46	ng	98
86) Fluoranthene	10.383	202	981150	250.01	ng	82
88) Pyrene	10.645	202	989977	230.49	ng	77
89) Benzidine	10.549	184	120354	106.41	ng	81
91) 4,4'-DDE	10.768	246	245828	261.58	ng	93
92) Endrin	11.067	81	47537	257.67	ng	24
93) 4,4'-DDD	11.169	235	394449	243.06	ng	93
94) Butylbenzylphthalate	11.441	149	411941	223.41	ng	83
95) Endrin aldehyde	11.067	67	16586	213.24	ng	79
96) 4,4'-DDT	11.521	235	343530	257.06	ng	98
97) Endrin ketone	11.981	317	40766	245.26	ng	99
98) 3,3'-Dichlorobenzidine	12.056	252	230809	225.76	ng	93
99) Benzo[a]anthracene	12.072	228	921116	224.23	ng	100
100) Chrysene	12.114	228	808188	217.53	ng	99
101) bis(2-Ethylhexyl)phtha...	12.136	149	530284	228.44	ng	94
103) Di-n-octylphthalate	12.889	149	988327	273.28	ng	100
104) Benzo[b]fluoranthene	13.290	252	792647	249.51	ng	90
105) Benzo[k]fluoranthene	13.322	252	734080	255.66	ng	88
106) Benzo[a]pyrene	13.626	252	724737	250.27	ng	89
107) Indeno[1,2,3-cd]pyrene	14.807	276	767206	265.24	ng	88
108) Dibenzo[a,h]anthracene	14.807	278	681273	283.16	ng	85
109) Benzo[g,h,i]perylene	15.101	276	566945	240.29	ng	77

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Form7

Continuing Calibration

Calibration Name: CAL BNA@50PPM
Cont Calibration Date/Time 5/11/2010 3:36:00 PData File: 9M25171.D
Method: EPA 8270C

Instrument: GCMS 9

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
1,4-Dichlorobenzene-d4	1	0	I	5.49	40.00	40				0.000	0.00	
Pvridine	1	0		2.52	55.02	50			1.041	1.145	10.04	
N-Nitrosodimethylamine	1	0		2.46	50.65	50			0.660	0.669	1.30	
2-Fluorophenol	1	0	S	4.25	47.65	50			1.112	1.060	4.70	
Benzaldehyde	1	0		5.10	50.02	50			0.964	0.964	0.04	
Aniline	1	0		5.21	44.31	50			1.491	1.462	11.38	
Pentachloroethane	1	0		5.24	50.80	50			0.415	0.422	1.60	
bis(2-Chloroethyl)ether	1	0		5.27	54.13	50			1.014	1.098	8.26	
Phenol-d5	1	0	S	5.18	52.95	50			1.393	1.475	5.90	
Phenol	1	0	CC	5.19	52.09	50	20		1.467	1.528	4.18	
2-Chlorophenol	1	0		5.31	52.52	50			1.348	1.416	5.04	
N-Decane	1	0		5.36	52.50	50			0.887	0.931	5.00	
1,3-Dichlorobenzene	1	0		5.44	55.26	50			1.443	1.595	10.52	
1,4-Dichlorobenzene	1	0	CC	5.50	52.30	50	20		1.496	1.564	4.60	
1,2-Dichlorobenzene	1	0		5.63	52.73	50			1.362	1.436	5.46	
Benzyl alcohol	1	0		5.61	52.19	50			0.756	0.789	4.38	
bis(2-chloroisopropyl)ether	1	0		5.73	48.49	50			1.160	1.124	3.02	
2-Methylphenol	1	0		5.71	53.63	50			1.095	1.175	7.26	
Acetophenone	1	0		5.83	48.30	50			1.633	1.578	3.40	
Hexachloroethane	1	0		5.91	54.08	50			0.613	0.663	8.16	
N-Nitroso-di-n-propylamine	1	0	CP	5.83	50.42	50	0.05		0.967	0.975	0.84	
3&4-Methylphenol	1	0		5.84	54.20	50			1.161	1.258	8.40	
Naphthalene-d8	1	0	I	6.51	40.00	40				0.000	0.00	
Nitrobenzene-d5	1	0	S	5.95	24.65	25			0.176	0.173	1.40	
Nitrobenzene	1	0		5.96	49.09	50			0.373	0.366	1.82	
Isophorone	1	0		6.15	50.73	50			0.644	0.654	1.46	
2-Nitrophenol	1	0	CC	6.22	51.21	50	20		0.196	0.201	2.42	
2,4-Dimethylphenol	1	0		6.25	50.07	50			0.366	0.366	0.14	
Benzoic Acid	1	0		6.33	25.06	50			0.168	0.088	49.88	
bis(2-Chloroethoxy)methane	1	0		6.32	53.05	50			0.349	0.371	6.10	
2,4-Dichlorophenol	1	0	CC	6.40	47.94	50	20		0.301	0.288	4.12	
1,2,4-Trichlorobenzene	1	0		6.46	46.68	50			0.351	0.328	6.64	
Naphthalene	1	0		6.52	50.58	50			1.048	1.060	1.16	
4-Chloroaniline	1	0		6.56	48.59	50			0.318	0.309	2.82	
Hexachlorobutadiene	1	0	CC	6.61	45.68	50	20		0.198	0.181	8.64	
Caprolactam	1	0		6.84	53.76	50			0.107	0.115	7.52	
4-Chloro-3-methylphenol	1	0	CC	6.93	51.22	50	20		0.294	0.301	2.44	
2-Methylnaphthalene	1	0		7.05	47.05	50			0.725	0.683	5.90	
Methylnaphthalenes	1	0		7.05	47.05	50	20			0.683	5.90	
1,1'-Biphenyl	1	0		7.41	50.81	50			0.889	0.903	1.62	
Acenaphthene-d10	1	0	I	7.89	40.00	40				0.000	0.00	
1,2,4,5-Tetrachlorobenzene	1	0		7.17	46.32	50			0.594	0.550	7.36	
Hexachlorocyclopentadiene	1	0	CP	7.16	45.98	50	0.05		0.255	0.221	8.04	
2,4,6-Trichlorophenol	1	0	CC	7.26	48.61	50	20		0.366	0.356	2.78	
2,4,5-Trichlorophenol	1	0		7.29	48.88	50			0.384	0.375	2.24	
2-Fluorobiphenyl	1	0	S	7.32	25.02	25			1.321	1.322	0.08	
2-Chloronaphthalene	1	0		7.43	49.79	50			1.172	1.167	0.42	
1,4-Dimethylnaphthalene	1	0		7.70	51.83	50			0.850	0.881	3.66	
Dimethylnaphthalenes	1	0		7.70	51.83	50	20			0.881	3.66	
Diphenyl Ether	1	0		7.49	48.21	50			0.847	0.816	3.58	
2-Nitroaniline	1	0		7.51	47.71	50			0.469	0.497	4.58	
Acenaphthylene	1	0		7.77	52.20	50			1.868	1.950	4.40	
Dimethylphthalate	1	0		7.66	51.44	50			1.362	1.401	2.88	
2,6-Dinitrotoluene	1	0		7.71	49.19	50			0.305	0.300	1.62	
Acenaphthene	1	0	CC	7.92	51.15	50	20		1.192	1.219	2.30	
3-Nitroaniline	1	0		7.85	49.91	50			0.275	0.275	0.18	
2,4-Dinitrophenol	1	0	CP	7.94	45.44	50	0.05		0.173	0.157	9.12	
Dibenzofuran	1	0		8.07	53.17	50			1.601	1.703	6.34	
2,4-Dinitrotoluene	1	0		8.06	50.87	50			0.419	0.426	1.74	
4-Nitrophenol	1	0	CP	7.99	56.83	50	0.05		0.235	0.267	13.66	
2,3,4,6-Tetrachlorophenol	1	0		8.18	50.94	50			0.317	0.323	1.88	
Fluorene	1	0		8.39	52.86	50			1.330	1.406	5.72	
4-Chlorophenyl-phenylether	1	0		8.38	47.72	50			0.659	0.629	4.56	
Diethylphthalate	1	0		8.27	51.36	50			1.396	1.434	2.72	
4-Nitroaniline	1	0		8.40	50.76	50			0.345	0.350	1.52	
Atrazine	1	0		9.02	52.25	50			0.400	0.418	4.50	
Phenanthrene-d10	1	0	I	9.32	40.00	40				0.000	0.00	
4,6-Dinitro-2-methylphenol	1	0		8.44	46.47	50			0.144	0.134	7.06	
n-Nitrosodiphenylamine	1	0	CC	8.49	51.02	50	20		0.688	0.702	2.04	
2,4,6-Tribromophenol	1	0	S	8.61	69.21	50			0.067	0.093	38.42	

CC - Continuing Calibration Check Compound
N/O or N/O - Not applicable for this runCP - System Performance Check Compound I - Internal Standard
* - Failed the C or P Criteria

**- No limit specified in method

Page 1 of 2

Note:

8260/8270 limits are compared against the %DIFF/R.F.
624 limits are compared against the concentration found.625 limits are compared against the %DIFF.
524.2 limits are compared against the %DIFF

Form7

Continuing Calibration

Calibration Name: CAL BNA@50PPM
Cont Calibration Date/Time 5/11/2010 3:36:00 P

Data File: 9M25171.D
Method: EPA 8270C

Instrument: GCMS 9

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
1,2-Diphenylhydrazine	1	0		8.53	52.94	50			0.913	0.966	5.88	
4-Bromophenyl-phenylether	1	0		8.85	51.41	50			0.241	0.248	2.82	
Hexachlorobenzene	1	0		8.92	54.52	50			0.231	0.252	9.04	
N-Octadecane	1	0		9.20	50.19	50			0.366	0.367	0.38	
Pentachlorophenol	1	0	CC	9.12	58.44	50	20		0.111	0.129	16.88	
Phenanthrene	1	0		9.35	50.80	50			1.166	1.185	1.60	
Anthracene	1	0		9.40	51.77	50			1.196	1.238	3.54	
Carbazole	1	0		9.57	51.64	50			1.130	1.167	3.28	
Di-n-butylphthalate	1	0		9.96	53.16	50			1.462	1.555	6.32	
Fluoranthene	1	0	CC	10.66	52.54	50	20		1.280	1.345	5.08	
Chrysene-d12	1	0	I	12.35	40.00	40				0.000	0.00	
Pvrene	1	0		10.92	46.57	50			1.493	1.391	6.86	
Benzidine	1	0		10.82	53.22	50			0.423	0.450	6.44	
Terphenyl-d14	1	0	S	11.11	23.59	25			1.108	1.045	5.64	
p,p'-DDE	1	0		11.05	49.60				0.352			
Endrin	1	0		11.36	47.11	50			0.115	0.108	5.78	
p,p'-DDD	1	0		11.44	44.97				0.576			
Butylbenzylphthalate	1	0		11.70	52.84	50			0.703	0.743	5.68	
Endrin aldehyde	1	0		11.36	47.61				0.029			
p,p'-DDT	1	0		11.79	47.67				0.526			
Endrin ketone	1	0		12.26	65.71				0.050			
3,3'-Dichlorobenzidine	1	0		12.31	46.39	50			0.388	0.360	7.22	
Benzo[a]anthracene	1	0		12.34	48.92	50			1.418	1.387	2.16	
Chrysene	1	0		12.38	49.32	50			1.332	1.314	1.36	
bis(2-Ethylhexyl)phthalate	1	0		12.40	51.59	50			1.030	1.062	3.18	
Perylene-d12	1	0	I	13.94	40.00	40				0.000	0.00	
Di-n-octylphthalate	1	0	CC	13.15	45.42	50	20		1.596	1.450	9.16	
Benzo[b]fluoranthene	1	0		13.54	46.24	50			1.360	1.258	7.52	
Benzo[k]fluoranthene	1	0		13.58	46.16	50			1.242	1.147	7.68	
Benzo[a]pyrene	1	0	CC	13.88	47.02	50	20		1.244	1.170	5.96	
Indeno[1,2,3-cd]pyrene	1	0		15.10	52.64	50			1.277	1.345	5.28	
Dibenzo[a,h]anthracene	1	0		15.12	52.92	50			1.036	1.096	5.84	
Benzo[a,h]perylene	1	0		15.43	50.81	50			1.077	1.095	1.62	
Toluene Diisocyanate	1	100		0.00	0.00	50				0.000	100.00	
Heptachlor	1	100		0.00	0.00	10				0.000	100.00	
2,2'-oxybis-(1-Chloropropane)	1	100		0.00	0.00	50				0.000	100.00	
2,4 Diaminotoluene	1	100		0.00	0.00	50				0.000	100.00	
Diaminotoluene Dihydrochloride	1	100		0.00	0.00	50				0.000	100.00	
Methylnaphthalenes (Total)	1	100		0.00	0.00	50			0.725	0.000	100.00	
Methoxychlor	1	100		0.00	0.00	10				0.000	100.00	
gamma-BHC	1	100		0.00	0.00	10				0.000	100.00	
Heptachlor epoxide	1	100		0.00	0.00	10				0.000	100.00	
Dimethylnaphthalenes (Total)	1	100		0.00	0.00	50			0.850	0.000	100.00	
4-Methylphenol	1	100		0.00	0.00	50				0.000	100.00	

CC - Continuing Calibration Check Compound
N/O or N/O - Not applicable for this run

CP - System Performance Check Compound I - Internal Standard
* - Failed the C or P Criteria

** - No limit specified in method

Page 2 of 2

Note:

8260/8270 limits are compared against the %DIFF/R.F.
624 limits are compared against the concentration found.

625 limits are compared against the %DIFF.
524.2 limits are compared against the %DIFF

SampleID : CAL_BNA@50PPM
Data File: 9M25171.D
Acq On : 05/11/10 15:36

Operator : AHD
Sam Mult : 1 Vial# : 2
Misc : A,BNA

Qt Meth : 9M_0427.M
Qt On : 05/11/10 15:53
Qt Upd On: 04/27/10 14:40

Data Path : G:\GcMsData\2010\GCMS_9\Data\05-1110\
Qt Path : G:\GCMSDATA\2010\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.489	152	21730	40.00	ng	-0.04
29) Naphthalene-d8	6.505	136	84368	40.00	ng	-0.04
47) Acenaphthene-d10	7.890	164	47616	40.00	ng	-0.04
73) Phenanthrene-d10	9.319	188	80893	40.00	ng	-0.04
87) Chrysene-d12	12.346	240	83437	40.00	ng	-0.05
102) Perylene-d12	13.940	264	103825	40.00	ng	-0.04
System Monitoring Compounds						
10) 2-Fluorophenol	4.253	112	28799	47.65	ng	-0.04
Spiked Amount 100.000			Recovery =	47.65%		
15) Phenol-d5	5.179	99	40076	52.95	ng	-0.04
Spiked Amount 100.000			Recovery =	52.95%		
30) Nitrobenzene-d5	5.949	128	9127	24.65	ng	-0.03
Spiked Amount 50.000			Recovery =	49.30%		
52) 2-Fluorobiphenyl	7.323	172	39337	25.02	ng	-0.04
Spiked Amount 50.000			Recovery =	50.04%		
76) 2,4,6-Tribromophenol	8.612	330	9439	69.21	ng	-0.04
Spiked Amount 100.000			Recovery =	69.21%		
90) Terphenyl-d14	11.110	244	54489	23.59	ng	-0.04
Spiked Amount 50.000			Recovery =	47.18%		
Target Compounds						
8) Pyridine	2.520	79	31110	55.02	ng	58
9) N-Nitrosodimethylamine	2.462	74	18175	50.65	ng	75
11) Benzaldehyde	5.104	77	26181	50.02	ng	88
12) Aniline	5.205	93	39716	44.31	ng	13
13) Pentachloroethane	5.243	117	11457	50.80	ng	73
14) bis(2-Chloroethyl) ether	5.270	93	29821	54.13	ng	73
16) Phenol	5.189	94	41514	52.09	ng	99
17) 2-Chlorophenol	5.307	128	38455	52.52	ng	73
18) N-Decane	5.361	57	25289	52.50	ng	67
19) 1,3-Dichlorobenzene	5.435	146	43329	55.26	ng	90
20) 1,4-Dichlorobenzene	5.505	146	42489	52.30	ng	96
21) 1,2-Dichlorobenzene	5.628	146	39010	52.73	ng	96
22) Benzyl alcohol	5.612	108	21425	52.19	ng	92
23) bis(2-chloroisopropyl)...	5.730	45	30543	48.49	ng	41
24) 2-Methylphenol	5.708	108	31913	53.63	ng	95
25) Acetophenone	5.826	105	42859	48.30	ng	69
26) Hexachloroethane	5.906	117	18002	54.08	ng	94
27) N-Nitroso-di-n-propyla...	5.831	70	26476	50.42	ng	88
28) 3&4-Methylphenol	5.837	108	34173	54.20	ng	98
31) Nitrobenzene	5.965	77	38599	49.09	ng	81
32) Isophorone	6.152	82	68924	50.73	ng	88
33) 2-Nitrophenol	6.216	139	21212	51.21	ng	90
34) 2,4-Dimethylphenol	6.248	107	38603	50.07	ng	97
35) Benzoic Acid	6.334	105	9234m	25.06	ng	
36) bis(2-Chloroethoxy)met...	6.323	93	39075	53.05	ng	98
37) 2,4-Dichlorophenol	6.398	162	30412	47.94	ng	88
38) 1,2,4-Trichlorobenzene	6.462	180	34578	46.68	ng	99
39) Naphthalene	6.521	128	111802	50.58	ng	99
40) 4-Chloroaniline	6.564	127	32542	48.59	ng	100
41) Hexachlorobutadiene	6.612	225	19123	45.68	ng	85
42) Caprolactam	6.842	113	12133	53.76	ng	51
43) 4-Chloro-3-methylphenol	6.928	107	31730	51.22	ng	78
44) 2-Methylnaphthalene	7.045	142	71981	47.05	ng	88
45) Methylnaphthalenes (To...	7.045	142	71981	47.05	ng	88
46) 1,1'-Biphenyl	7.409	154	95214	50.81	ng	93
48) 1,2,4,5-Tetrachloroben...	7.174	216	32751	46.32	ng	98
49) Hexachlorocyclopentadiene	7.163	237	13178	45.98	ng	96
50) 2,4,6-Trichlorophenol	7.259	196	21191	48.61	ng	96
51) 2,4,5-Trichlorophenol	7.291	196	22340	48.88	ng	97
53) 2-Chloronaphthalene	7.425	162	69458	49.79	ng	97
54) 1,4-Dimethylnaphthalene	7.698	156	52425	51.83	ng	99
55) Dimethylnaphthalenes (...)	7.698	156	52425	51.83	ng	99
56) Diphenyl Ether	7.489	170	48581	48.21	ng	84
57) 2-Nitroaniline	7.505	65	29609	47.71	ng	76
58) Acenaphthylene	7.773	152	116053	52.20	ng	95
59) Dimethylphthalate	7.655	163	83410	51.44	ng	98
60) 2,6-Dinitrotoluene	7.709	165	17856	49.19	ng	72
61) Acenaphthene	7.923	153	72580	51.15	ng	92
62) 3-Nitroaniline	7.853	138	16354	49.91	ng	84
63) 2,4-Dinitrophenol	7.944	184	9361	45.44	ng	84
64) Dibenzofuran	8.072	168	101362	53.17	ng	93
65) 2,4-Dinitrotoluene	8.056	165	25367	50.87	ng	73

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@50PPM Operator : AHD Qt Meth : 9M_0427.M
 Data File: 9M25171.D Sam Mult : 1 Vial# : 2 Qt On : 05/11/10 15:53
 Acq On : 05/11/10 15:36 Misc : A,BNA Qt Upd On: 04/27/10 14:40

Data Path : G:\GCMSData\2010\GCMS_9\Data\05-1110\
 Qt Path : G:\GCMSDATA\2010\GCMS_9\METHODQT\
 Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66) 4-Nitrophenol	7.987	65	15865	56.83	ng	69
67) 2,3,4,6-Tetrachlorophenol	8.179	232	19233	50.94	ng	87
68) Fluorene	8.388	166	83664	52.86	ng	100
69) 4-Chlorophenyl-phenyle...	8.382	204	37459	47.72	ng	93
70) Diethylphthalate	8.270	149	85326	51.36	ng	97
71) 4-Nitroaniline	8.404	138	20833	50.76	ng	87
72) Atrazine	9.019	200	24875	52.25	ng	93
74) 4,6-Dinitro-2-methylph...	8.436	198	13548	46.47	ng	55
75) n-Nitrosodiphenylamine	8.495	169	70966	51.02	ng	96
77) 1,2-Diphenylhydrazine	8.532	77	97713	52.94	ng	90
78) 4-Bromophenyl-phenylether	8.853	248	25081	51.41	ng	93
79) Hexachlorobenzene	8.917	284	25468	54.52	ng	69
80) N-Octadecane	9.201	57	37146	50.19	ng	55
81) Pentachlorophenol	9.115	266	13011	58.44	ng	92
82) Phenanthrene	9.345	178	119801	50.80	ng	99
83) Anthracene	9.399	178	125187	51.77	ng	99
84) Carbazole	9.570	167	118022	51.64	ng	97
85) Di-n-butylphthalate	9.960	149	157196	53.16	ng	98
86) Fluoranthene	10.656	202	136012	52.54	ng	84
88) Pyrene	10.918	202	145031	46.57	ng	82
89) Benzidine	10.821	184	46948	53.22	ng	79
91) p,p'-DDE	11.046	246	36413	49.60	ng	93
92) Endrin	11.362	81	11257	47.11	ng	68
93) p,p'-DDD	11.442	235	54014	44.97	ng	83
94) Butylbenzylphthalate	11.704	149	77453	52.84	ng	83
95) Endrin aldehyde	11.356	67	2893	47.61	ng	73
96) p,p'-DDT	11.795	235	52343	47.67	ng	92
97) Endrin ketone	12.260	317	6869	65.71	ng	96
98) 3,3'-Dichlorobenzidine	12.314	252	37545	46.39	ng	95
99) Benzo[a]anthracene	12.335	228	144667	48.92	ng	98
100) Chrysene	12.378	228	137053	49.32	ng	98
101) bis(2-Ethylhexyl)phtha...	12.405	149	110814	51.59	ng	97
103) Di-n-octylphthalate	13.153	149	188126	45.42	ng	98
104) Benzo[b]fluoranthene	13.544	252	163280	46.24	ng	92
105) Benzo[k]fluoranthene	13.576	252	148811	46.16	ng	90
106) Benzo[a]pyrene	13.881	252	151783	47.02	ng	90
107) Indeno[1,2,3-cd]pyrene	15.100	276	174511	52.64	ng	80
108) Dibenzo[a,h]anthracene	15.122	278	142281	52.92	ng	88
109) Benzo[g,h,i]perylene	15.427	276	142107	50.81	ng	82

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Form7

Continuing Calibration

Calibration Name: CAL BNA@50PPM
Cont Calibration Date/Time 5/11/2010 4:02:00 PData File: 5M57725.D
Method: EPA 8270C

Instrument: GCMS 5

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
1,4-Dichlorobenzene-d4	1	0	I	5.09	40.00	40				0.000	0.00	
Pyridine	1	0		1.94	39.30	50			1.200	0.920	21.40	
N-Nitrosodimethylamine	1	0		1.91	41.66	50			0.662	0.559	16.68	
2-Fluorophenol	1	0	S	3.79	48.10	50			1.157	1.110	3.80	
Benzaldehyde	1	0		4.69	61.60	50			0.916	1.281	23.20	
Aniline	1	0		4.80	44.59	50			2.025	1.862	10.82	
Pentachloroethane	1	0		4.82	50.92	50			0.465	0.473	1.84	
bis(2-Chloroethyl)ether	1	0		4.88	53.42	50			1.185	1.267	6.84	
Phenol-d5	1	0	S	4.81	49.72	50			1.789	1.779	0.56	
Phenol	1	0	CC	4.83	52.18	50	20		1.948	2.033	4.36	
2-Chlorophenol	1	0		4.91	50.63	50			1.361	1.379	1.26	
N-Decane	1	0		4.96	49.88	50			1.305	1.301	0.24	
1,3-Dichlorobenzene	1	0		5.04	48.25	50			1.534	1.481	3.50	
1,4-Dichlorobenzene	1	0	CC	5.10	47.37	50	20		1.600	1.516	5.26	
1,2-Dichlorobenzene	1	0		5.23	47.97	50			1.552	1.489	4.06	
Benzyl alcohol	1	0		5.24	50.80	50			0.869	0.883	1.60	
bis(2-chloroisopropyl)ether	1	0		5.34	53.70	50			1.492	1.602	7.40	
2-Methylphenol	1	0		5.35	49.93	50			1.273	1.272	0.14	
Acetophenone	1	0		5.45	48.57	50			1.987	1.930	2.86	
Hexachloroethane	1	0		5.50	49.96	50			0.624	0.623	0.08	
N-Nitroso-di-n-propylamine	1	0	CP	5.46	54.01	50	0.05		1.057	1.141	8.02	
3&4-Methylphenol	1	0		5.48	50.25	50			1.241	1.247	0.50	
Naphthalene-d8	1	0	I	6.13	40.00	40				0.000	0.00	
Nitrobenzene-d5	1	0	S	5.57	25.56	25			0.160	0.164	2.24	
Nitrobenzene	1	0		5.59	51.99	50			0.425	0.442	3.98	
Isophorone	1	0		5.78	51.52	50			0.742	0.764	3.04	
2-Nitrophenol	1	0	CC	5.84	48.62	50	20		0.200	0.195	2.76	
2,4-Dimethylphenol	1	0		5.89	50.98	50			0.424	0.433	1.96	
Benzoic Acid	1	0		6.02	55.71	50			0.191	0.202	11.42	
bis(2-Chloroethoxy)methane	1	0		5.95	50.61	50			0.386	0.391	1.22	
2,4-Dichlorophenol	1	0	CC	6.04	47.69	50	20		0.319	0.304	4.62	
1,2,4-Trichlorobenzene	1	0		6.08	48.28	50			0.399	0.386	3.44	
Naphthalene	1	0		6.14	48.68	50			1.082	1.053	2.64	
4-Chloroaniline	1	0		6.20	45.82	50			0.363	0.333	8.36	
Hexachlorobutadiene	1	0	CC	6.23	48.88	50	20		0.265	0.259	2.24	
Caprolactam	1	0		6.49	55.72	50			0.105	0.117	11.44	
4-Chloro-3-methylphenol	1	0	CC	6.58	51.00	50	20		0.370	0.377	2.00	
2-Methylnaphthalene	1	0		6.66	48.19	50			0.777	0.749	3.62	
Methylnaphthalenes	1	0		6.66	48.19	50	20			0.749	3.62	
1,1'-Biphenyl	1	0		7.01	49.24	50			0.991	0.975	1.52	
Acenaphthene-d10	1	0	I	7.46	40.00	40				0.000	0.00	
1,2,4,5-Tetrachlorobenzene	1	0		6.78	44.07	50			0.710	0.626	11.86	
Hexachlorocyclopentadiene	1	0	CP	6.77	32.41	50	0.05		0.131	0.052	35.18	
2,4,6-Trichlorophenol	1	0	CC	6.88	46.46	50	20		0.412	0.383	7.08	
2,4,5-Trichlorophenol	1	0		6.92	49.76	50			0.442	0.440	0.48	
2-Fluorobiphenyl	1	0	S	6.93	24.99	25			1.367	1.367	0.04	
2-Chloronaphthalene	1	0		7.02	48.96	50			1.190	1.165	2.08	
1,4-Dimethylnaphthalene	1	0		7.28	47.69	50			0.921	0.878	4.62	
Dimethylnaphthalenes	1	0		7.28	47.69	50	20			0.878	4.62	
Diphenyl Ether	1	0		7.08	44.45	50			0.891	0.792	11.10	
2-Nitroaniline	1	0		7.12	55.19	50			0.393	0.434	10.38	
Acenaphthylene	1	0		7.35	47.95	50			1.943	1.863	4.10	
Dimethylphthalate	1	0		7.25	52.25	50			1.444	1.509	4.50	
2,6-Dinitrotoluene	1	0		7.31	51.95	50			0.316	0.329	3.90	
Acenaphthene	1	0	CC	7.49	48.33	50	20		1.213	1.172	3.34	
3-Nitroaniline	1	0		7.45	45.39	50			0.287	0.261	9.22	
2,4-Dinitrophenol	1	0	CP	7.56	58.69	50	0.05		0.137	0.166	17.38	
Dibenzofuran	1	0		7.64	48.30	50			1.791	1.730	3.40	
2,4-Dinitrotoluene	1	0		7.65	50.16	50			0.433	0.435	0.32	
4-Nitrophenol	1	0	CP	7.63	61.50	50	0.05		0.190	0.241	23.00	
2,3,4,6-Tetrachlorophenol	1	0		7.75	47.44	50			0.349	0.332	5.12	
Fluorene	1	0		7.94	51.63	50			1.545	1.595	3.26	
4-Chlorophenyl-phenylether	1	0		7.93	51.47	50			0.865	0.855	2.94	
Diethylphthalate	1	0		7.84	51.91	50			1.546	1.605	3.82	
4-Nitroaniline	1	0		7.98	52.81	50			0.299	0.316	5.62	
Atrazine	1	0		8.57	49.94	50			0.492	0.492	0.12	
Phenanthrene-d10	1	0	I	8.83	40.00	40				0.000	0.00	
4,6-Dinitro-2-methylphenol	1	0		8.02	51.98	50			0.131	0.132	3.96	
n-Nitrosodiphenylamine	1	0	CC	8.05	49.17	50	20		0.655	0.644	1.66	
2,4,6-Tribromophenol	1	0	S	8.16	46.78	50			0.090	0.084	6.44	

CC - Continuing Calibration Check Compound
N/O or N/O - Not applicable for this runCP - System Performance Check Compound I - Internal Standard
* - Failed the C or P Criteria

** - No limit specified in method

Page 1 of 2

Note:

8260/8270 limits are compared against the %DIFF/R.F.
624 limits are compared against the concentration found.625 limits are compared against the %DIFF.
524.2 limits are compared against the %DIFF

Form7

Continuing Calibration

Calibration Name: CAL BNA@50PPM
Cont Calibration Date/Time 5/11/2010 4:02:00 PData File: 5M57725.D
Method: EPA 8270C

Instrument: GCMS 5

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
1,2-Diphenylhydrazine	1	0		8.08	53.03	50			0.794	0.843	6.06	
4-Bromophenyl-phenylether	1	0		8.38	48.48	50			0.249	0.241	3.04	
Hexachlorobenzene	1	0		8.45	48.21	50			0.241	0.232	3.58	
N-Octadecane	1	0		8.74	53.71	50			0.436	0.469	7.42	
Pentachlorophenol	1	0	CC	8.66	41.23	50	20		0.080	0.060	17.54	
Phenanthrene	1	0		8.86	49.21	50			1.177	1.158	1.58	
Anthracene	1	0		8.91	48.71	50			1.181	1.150	2.58	
Carbazole	1	0		9.09	48.93	50			1.073	1.050	2.14	
Di-n-butylphthalate	1	0		9.48	50.69	50			1.446	1.465	1.38	
Fluoranthene	1	0	CC	10.15	50.59	50	20		1.412	1.429	1.18	
Chrysene-d12	1	0	I	11.84	40.00	40				0.000	0.00	
Pyrene	1	0		10.41	50.51	50			1.612	1.628	1.02	
Benzidine	1	0		10.33	52.19	50			0.375	0.477	4.38	
Terphenyl-d14	1	0	S	10.61	24.53	25			1.094	1.074	1.88	
4,4'-DDE	1	0		10.54	49.90				0.395			
Endrin	1	0		10.83	57.68	50			0.084	0.097	15.36	
4,4'-DDD	1	0		10.94	49.22				0.622			
Butylbenzylphthalate	1	0		11.21	51.62	50			0.681	0.703	3.24	
Endrin aldehyde	1	0		10.83	56.08				0.031			
4,4'-DDT	1	0		11.29	49.74				0.548			
Endrin ketone	1	0		11.73	47.11				0.065			
3,3'-Dichlorobenzidine	1	0		11.81	44.21	50			0.408	0.361	11.58	
Benzofluoranthene	1	0		11.83	49.99	50			1.515	1.515	0.02	
Chrysene	1	0		11.87	48.50	50			1.337	1.297	3.00	
bis(2-Ethylhexyl)phthalate	1	0		11.92	48.09	50			0.875	0.842	3.82	
Perylene-d12	1	0	I	13.44	40.00	40				0.000	0.00	
Di-n-octylphthalate	1	0	CC	12.66	55.78	50	20		1.699	1.712	11.56	
Benzobifluoranthene	1	0		13.04	49.60	50			1.448	1.437	0.80	
Benzokifluoranthene	1	0		13.08	49.55	50			1.374	1.361	0.90	
Benzofluoranthene	1	0	CC	13.39	49.22	50	20		1.325	1.304	1.56	
Indeno[1,2,3-cd]pyrene	1	0		14.50	55.00	50			1.319	1.351	10.00	
Dibenzofluoranthene	1	0		14.51	55.73	50			1.128	1.144	11.46	
Benzofluoranthene	1	0		14.78	47.14	50			1.040	0.981	5.72	
4-Methylphenol	1	100		0.00	0.00	50				0.000	100.00	
Dimethylnaphthalenes (Total)	1	100		0.00	0.00	50			0.921	0.000	100.00	
gamma-BHC	1	100		0.00	0.00	10				0.000	100.00	
Heptachlor	1	100		0.00	0.00	10				0.000	100.00	
Heptachlor epoxide	1	100		0.00	0.00	10				0.000	100.00	
Methoxychlor	1	100		0.00	0.00	10				0.000	100.00	
Methylnaphthalenes (Total)	1	100		0.00	0.00	50			0.777	0.000	100.00	
Toluene Diisocyanate	1	100		0.00	0.00	50				0.000	100.00	
2,2'-oxybis-(1-Chloropropane)	1	100		0.00	0.00	50				0.000	100.00	
2,4 Diaminotoluene	1	100		0.00	0.00	50				0.000	100.00	
Diaminotoluene Dihydrochloride	1	100		0.00	0.00	50				0.000	100.00	

CC - Continuing Calibration Check Compound
N/O or N/O - Not applicable for this runCP - System Performance Check Compound I - Internal Standard
* - Failed the C or P Criteria

** - No limit specified in method

Page 2 of 2

Note:

8260/8270 limits are compared against the %DIFF/R.F.
624 limits are compared against the concentration found.625 limits are compared against the %DIFF.
524.2 limits are compared against the %DIFF

SampleID : CAL BNA@50PPM
Data File: 5M57725.D
Acq On : 05/11/10 16:02

Operator : AHD
Sam Mult : 1 Vial# : 2
Misc : A,BNA

Qt Meth : 5M_0430.M
Qt On : 05/11/10 16:18
Qt Upd On: 05/10/10 10:23

Data Path : G:\GcMsData\2010\GCMS_5\Data\05-1110\
Qt Path : G:\GCMSDATA\2010\GCMS_5\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.089	152	30403	40.00	ng	-0.17
29) Naphthalene-d8	6.125	136	116447	40.00	ng	-0.16
47) Acenaphthene-d10	7.461	164	73127	40.00	ng	-0.18
73) Phenanthrene-d10	8.834	188	141339	40.00	ng	-0.21
87) Chrysene-d12	11.841	240	127763	40.00	ng	-0.22
102) Perylene-d12	13.439	264	114761	40.00	ng	-0.22
System Monitoring Compounds						
10) 2-Fluorophenol	3.791	112	42200	48.10	ng	-0.21
Spiked Amount 100.000			Recovery =	48.10%		
15) Phenol-d5	4.811	99	67600	49.72	ng	-0.17
Spiked Amount 100.000			Recovery =	49.72%		
30) Nitrobenzene-d5	5.570	128	11904	25.56	ng	-0.16
Spiked Amount 50.000			Recovery =	51.12%		
52) 2-Fluorobiphenyl	6.927	172	62469	24.99	ng	-0.17
Spiked Amount 50.000			Recovery =	49.98%		
76) 2,4,6-Tribromophenol	8.161	330	14812	46.78	ng	-0.19
Spiked Amount 100.000			Recovery =	46.78%		
90) Terphenyl-d14	10.607	244	85721	24.53	ng	-0.22
Spiked Amount 50.000			Recovery =	49.06%		
Target Compounds						
8) Pyridine	1.942	79	34980	39.30	ng	87
9) N-Nitrosodimethylamine	1.910	74	21236	41.66	ng	90
11) Benzaldehyde	4.694	77	48679	61.60	ng	94
12) Aniline	4.800	93	70757	44.59	ng	48
13) Pentachloroethane	4.822	117	17982	50.92	ng	68
14) bis(2-Chloroethyl)ether	4.875	93	48132	53.42	ng	89
16) Phenol	4.827	94	77246	52.18	ng	89
17) 2-Chlorophenol	4.907	128	52394	50.63	ng	82
18) N-Decane	4.961	57	49457	49.88	ng	82
19) 1,3-Dichlorobenzene	5.035	146	56266	48.25	ng	97
20) 1,4-Dichlorobenzene	5.105	146	57621	47.37	ng	98
21) 1,2-Dichlorobenzene	5.228	146	56603	47.97	ng	97
22) Benzyl alcohol	5.238	108	33545	50.80	ng	97
23) bis(2-chloroisopropyl)...	5.340	45	60896	53.70	ng	59
24) 2-Methylphenol	5.351	108	48333	49.93	ng	100
25) Acetophenone	5.452	105	73363	48.57	ng	68
26) Hexachloroethane	5.500	117	23695	49.96	ng	80
27) N-Nitroso-di-n-propyla...	5.457	70	43378	54.01	ng	80
28) 3&4-Methylphenol	5.484	108	47407	50.25	ng	93
31) Nitrobenzene	5.586	77	64278	51.99	ng	92
32) Isophorone	5.778	82	111245	51.52	ng	93
33) 2-Nitrophenol	5.842	139	28338	48.62	ng	89
34) 2,4-Dimethylphenol	5.890	107	62975	50.98	ng	89
35) Benzoic Acid	6.024	105	29400m	55.71	ng	
36) bis(2-Chloroethoxy)met...	5.954	93	56938	50.61	ng	97
37) 2,4-Dichlorophenol	6.040	162	44313	47.69	ng	88
38) 1,2,4-Trichlorobenzene	6.082	180	56121	48.28	ng	100
39) Naphthalene	6.141	128	153309	48.68	ng	99
40) 4-Chloroaniline	6.200	127	48446	45.82	ng	98
41) Hexachlorobutadiene	6.232	225	37768	48.88	ng	98
42) Caprolactam	6.488	113	16966	55.72	ng	74
43) 4-Chloro-3-methylphenol	6.579	107	54865	51.00	ng	94
44) 2-Methylnaphthalene	6.659	142	109049	48.19	ng	97
45) Methylnaphthalenes (To...	6.659	142	109049	48.19	ng	97
46) 1,1'-Biphenyl	7.007	154	141985	49.24	ng	91
48) 1,2,4,5-Tetrachloroben...	6.782	216	57223	44.07	ng	98
49) Hexachlorocyclopentadiene	6.766	237	4791	32.41	ng	96
50) 2,4,6-Trichlorophenol	6.878	196	34986	46.46	ng	97
51) 2,4,5-Trichlorophenol	6.921	196	40207	49.76	ng	97
53) 2-Chloronaphthalene	7.023	162	106509	48.96	ng	98
54) 1,4-Dimethylnaphthalene	7.279	156	80275	47.69	ng	99
55) Dimethylnaphthalenes (...)	7.279	156	80275	47.69	ng	99
56) Diphenyl Ether	7.081	170	72371	44.45	ng	88
57) 2-Nitroaniline	7.119	65	39644	55.19	ng	80
58) Acenaphthylene	7.349	152	170329	47.95	ng	99
59) Dimethylphthalate	7.252	163	137933	52.25	ng	99
60) 2,6-Dinitrotoluene	7.311	165	30036	51.95	ng	75
61) Acenaphthene	7.487	153	107139	48.33	ng	98
62) 3-Nitroaniline	7.450	138	23826	45.39	ng	39
63) 2,4-Dinitrophenol	7.562	184	15153	58.69	ng	69
64) Dibenzofuran	7.637	168	158157	48.30	ng	98
65) 2,4-Dinitrotoluene	7.653	165	39742	50.16	ng	88

Quantitation Report (QT Reviewed)

SampleID : CAL_BNA@50PPM
 Data File: 5M57725.D
 Acq On : 05/11/10 16:02

Operator : AHD
 Sam Mult : 1 Vial# : 2
 Misc : A,BNA

Qt Meth : 5M_0430.M
 Qt On : 05/11/10 16:18
 Qt Upd On: 05/10/10 10:23

Data Path : G:\GCMSData\2010\GCMS_5\Data\05-1110\
 Qt Path : G:\GCMSDATA\2010\GCMS_5\METHODQT\
 Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66) 4-Nitrophenol	7.626	65	22050	61.50	ng	54
67) 2,3,4,6-Tetrachlorophenol	7.755	232	30310	47.44	ng	89
68) Fluorene	7.936	166	145822	51.63	ng	99
69) 4-Chlorophenyl-phenyle...	7.931	204	78185	51.47	ng	91
70) Diethylphthalate	7.840	149	146732	51.91	ng	98
71) 4-Nitroaniline	7.984	138	28857	52.81	ng	74
72) Atrazine	8.567	200	44956	49.94	ng	97
74) 4,6-Dinitro-2-methylph...	8.022	198	23272	51.98	ng	31
75) n-Nitrosodiphenylamine	8.048	169	113713	49.17	ng	98
77) 1,2-Diphenylhydrazine	8.080	77	148848	53.03	ng	87
78) 4-Bromophenyl-phenylether	8.385	248	42633	48.48	ng	98
79) Hexachlorobenzene	8.449	284	41054	48.21	ng	84
80) N-Octadecane	8.738	57	82833	53.71	ng	79
81) Pentachlorophenol	8.663	266	10666	41.23	ng	95
82) Phenanthrene	8.860	178	204634	49.21	ng	99
83) Anthracene	8.914	178	203243	48.71	ng	99
84) Carbazole	9.090	167	185483	48.93	ng	99
85) Di-n-butylphthalate	9.480	149	258915	50.69	ng	99
86) Fluoranthene	10.153	202	252485	50.59	ng	80
88) Pyrene	10.410	202	260076	50.51	ng	75
89) Benzidine	10.330	184	76157	52.19	ng	79
91) 4,4'-DDE	10.543	246	62887	49.90	ng	90
92) Endrin	10.826	81	15433	57.68	ng	43
93) 4,4'-DDD	10.944	235	97769	49.22	ng	87
94) Butylbenzylphthalate	11.211	149	112197	51.62	ng	93
95) Endrin aldehyde	10.826	67	5519	56.08	ng	68
96) 4,4'-DDT	11.286	235	87118	49.74	ng	92
97) Endrin ketone	11.735	317	9712	47.11	ng	98
98) 3,3'-Dichlorobenzidine	11.815	252	57615	44.21	ng	94
99) Benzo[a]anthracene	11.831	228	241959	49.99	ng	99
100) Chrysene	11.868	228	207194	48.50	ng	100
101) bis(2-Ethylhexyl)phtha...	11.916	149	134443	48.09	ng	99
103) Di-n-octylphthalate	12.664	149	245637	55.78	ng	100
104) Benzo[b]fluoranthene	13.043	252	206085	49.60	ng	91
105) Benzo[k]fluoranthene	13.075	252	195267	49.55	ng	88
106) Benzo[a]pyrene	13.385	252	187060	49.22	ng	87
107) Indeno[1,2,3-cd]pyrene	14.502	276	193869	55.00	ng	76
108) Dibenzo[a,h]anthracene	14.507	278	164163	55.73	ng	84
109) Benzo[g,h,i]perylene	14.780	276	140712	47.14	ng	76

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Form7

Continuing Calibration

Calibration Name: CAL BNA@50PPM
Cont Calibration Date/Time 5/12/2010 9:00:00 AData File: 5M57765.D
Method: EPA 8270C

Instrument: GCMS 5

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
1,4-Dichlorobenzene-d4	1	0	I	5.06	40.00	40				0.000	0.00	
Pvridine	1	0		1.91	45.90	50			1.200	1.085	8.20	
N-Nitrosodimethylamine	1	0		1.88	46.19	50			0.662	0.624	7.62	
2-Fluorophenol	1	0	S	3.75	50.08	50			1.157	1.161	0.16	
Benzaldehyde	1	0		4.67	58.16	50			0.916	1.229	16.32	
Aniline	1	0		4.77	49.23	50			2.025	2.067	1.54	
Pentachloroethane	1	0		4.80	53.50	50			0.465	0.497	7.00	
bis(2-Chloroethyl)ether	1	0		4.85	51.29	50			1.185	1.216	2.58	
Phenol-d5	1	0	S	4.79	50.74	50			1.789	1.815	1.48	
Phenol	1	0	CC	4.80	40.24	50	20		1.948	1.567	19.52	
2-Chlorophenol	1	0		4.88	49.42	50			1.361	1.346	1.16	
N-Decane	1	0		4.93	49.24	50			1.305	1.285	1.52	
1,3-Dichlorobenzene	1	0		5.00	47.92	50			1.534	1.471	4.16	
1,4-Dichlorobenzene	1	0	CC	5.07	47.20	50	20		1.600	1.511	5.60	
1,2-Dichlorobenzene	1	0		5.20	47.07	50			1.552	1.461	5.86	
Benzyl alcohol	1	0		5.21	51.00	50			0.869	0.886	2.00	
bis(2-chloroisopropyl)ether	1	0		5.31	50.01	50			1.492	1.492	0.02	
2-Methylphenol	1	0		5.32	48.62	50			1.273	1.238	2.76	
Acetophenone	1	0		5.43	48.49	50			1.987	1.927	3.02	
Hexachloroethane	1	0		5.47	50.90	50			0.624	0.635	1.80	
N-Nitroso-di-n-propylamine	1	0	CP	5.43	51.98	50	0.05		1.057	1.099	3.96	
3&4-Methylphenol	1	0		5.46	50.33	50			1.241	1.249	0.66	
Naphthalene-d8	1	0	I	6.10	40.00	40				0.000	0.00	
Nitrobenzene-d5	1	0	S	5.54	24.27	25			0.160	0.155	2.92	
Nitrobenzene	1	0		5.56	50.38	50			0.425	0.428	0.76	
Isophorone	1	0		5.76	51.37	50			0.742	0.762	2.74	
2-Nitrophenol	1	0	CC	5.82	49.02	50	20		0.200	0.196	1.96	
2,4-Dimethylphenol	1	0		5.87	50.29	50			0.424	0.427	0.58	
Benzoic Acid	1	0		6.01	48.89	50			0.191	0.173	2.22	
bis(2-Chloroethoxy)methane	1	0		5.93	50.64	50			0.386	0.391	1.28	
2,4-Dichlorophenol	1	0	CC	6.01	49.44	50	20		0.319	0.316	1.12	
1,2,4-Trichlorobenzene	1	0		6.06	49.28	50			0.399	0.394	1.44	
Naphthalene	1	0		6.11	48.30	50			1.082	1.045	3.40	
4-Chloroaniline	1	0		6.17	49.13	50			0.363	0.357	1.74	
Hexachlorobutadiene	1	0	CC	6.21	47.82	50	20		0.265	0.254	4.36	
Caprolactam	1	0		6.48	44.17	50			0.105	0.092	11.66	
4-Chloro-3-methylphenol	1	0	CC	6.56	50.18	50	20		0.370	0.371	0.36	
2-Methylnaphthalene	1	0		6.63	49.67	50			0.777	0.772	0.66	
Methylnaphthalenes	1	0		6.63	49.67	50	20		0.772	0.772	0.66	
1,1'-Biphenyl	1	0		6.98	48.00	50			0.991	0.951	4.00	
Acenaphthene-d10	1	0	I	7.43	40.00	40				0.000	0.00	
1,2,4,5-Tetrachlorobenzene	1	0		6.76	44.93	50			0.710	0.638	10.14	
Hexachlorocyclopentadiene	1	0	CP	6.74	46.30	50	0.05		0.131	0.088	7.40	
2,4,6-Trichlorophenol	1	0	CC	6.86	47.65	50	20		0.412	0.393	4.70	
2,4,5-Trichlorophenol	1	0		6.89	45.98	50			0.442	0.406	8.04	
2-Fluorobiphenyl	1	0	S	6.91	24.62	25			1.367	1.346	1.52	
2-Chloronaphthalene	1	0		7.00	48.75	50			1.190	1.160	2.50	
1,4-Dimethylnaphthalene	1	0		7.25	46.99	50			0.921	0.865	6.02	
Dimethylnaphthalenes	1	0		7.25	46.99	50	20		0.865	0.865	6.02	
Diphenyl Ether	1	0		7.05	44.55	50			0.891	0.794	10.90	
2-Nitroaniline	1	0		7.09	52.46	50			0.393	0.412	4.92	
Acenaphthylene	1	0		7.32	46.42	50			1.943	1.804	7.16	
Dimethylphthalate	1	0		7.23	50.41	50			1.444	1.456	0.82	
2,6-Dinitrotoluene	1	0		7.28	48.44	50			0.316	0.306	3.12	
Acenaphthene	1	0	CC	7.46	47.92	50	20		1.213	1.162	4.16	
3-Nitroaniline	1	0		7.42	48.75	50			0.287	0.280	2.50	
2,4-Dinitrophenol	1	0	CP	7.53	48.51	50	0.05		0.137	0.134	2.98	
Dibenzofuran	1	0		7.61	48.71	50			1.791	1.745	2.58	
2,4-Dinitrotoluene	1	0		7.63	46.91	50			0.433	0.407	6.18	
4-Nitrophenol	1	0	CP	7.59	57.07	50	0.05		0.190	0.223	14.14	
2,3,4,6-Tetrachlorophenol	1	0		7.72	47.18	50			0.349	0.330	5.64	
Fluorene	1	0		7.90	52.01	50			1.545	1.607	4.02	
4-Chlorophenyl-phenylether	1	0		7.90	52.26	50			0.865	0.870	4.52	
Diethylphthalate	1	0		7.81	49.33	50			1.546	1.525	1.34	
4-Nitroaniline	1	0		7.96	49.16	50			0.299	0.294	1.68	
Atrazine	1	0		8.54	46.39	50			0.492	0.457	7.22	
Phenanthrene-d10	1	0	I	8.80	40.00	40				0.000	0.00	
4,6-Dinitro-2-methylphenol	1	0		8.00	51.30	50			0.131	0.130	2.60	
n-Nitrosodiphenylamine	1	0	CC	8.02	48.09	50	20		0.655	0.629	3.82	
2,4,6-Tribromophenol	1	0	S	8.13	45.31	50			0.090	0.081	9.38	

CC - Continuing Calibration Check Compound
N/O or N/O - Not applicable for this runCP - System Performance Check Compound I - Internal Standard
* - Failed the C or P Criteria

**- No limit specified in method

Page 1 of 2

Note:

8260/8270 limits are compared against the %DIFF/R.F.
624 limits are compared against the concentration found.625 limits are compared against the %DIFF.
524.2 limits are compared against the %DIFF

Form7

Continuing Calibration

Calibration Name: CAL BNA@50PPM
Cont Calibration Date/Time 5/12/2010 9:00:00 AData File: 5M57765.D
Method: EPA 8270C

Instrument: GCMS 5

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
1,2-Diphenylhydrazine	1	0		8.05	51.55	50			0.794	0.819	3.10	
4-Bromophenyl-phenylether	1	0		8.35	48.57	50			0.249	0.242	2.86	
Hexachlorobenzene	1	0		8.42	48.61	50			0.241	0.234	2.78	
N-Octadecane	1	0		8.71	51.54	50			0.436	0.450	3.08	
Pentachlorophenol	1	0	CC	8.63	48.25	50	20		0.080	0.072	3.50	
Phenanthrene	1	0		8.83	48.18	50			1.177	1.134	3.64	
Anthracene	1	0		8.88	47.26	50			1.181	1.116	5.48	
Carbazole	1	0		9.06	48.11	50			1.073	1.032	3.78	
Di-n-butylphthalate	1	0		9.44	49.37	50			1.446	1.427	1.26	
Fluoranthene	1	0	CC	10.12	49.76	50	20		1.412	1.406	0.48	
Chrysene-d12	1	0	I	11.80	40.00	40				0.000	0.00	
Pvrene	1	0		10.37	52.07	50			1.612	1.679	4.14	
Benzidine	1	0		10.29	64.68	50			0.375	0.564	29.36	
Terphenyl-d14	1	0	S	10.57	25.19	25			1.094	1.102	0.76	
4,4'-DDE	1	0		10.51	51.59				0.395			
Endrin	1	0		10.79	56.94	50			0.084	0.095	13.88	
4,4'-DDD	1	0		10.91	49.72				0.622			
Butylbenzylphthalate	1	0		11.17	51.85	50			0.681	0.706	3.70	
Endrin aldehyde	1	0		10.79	52.84				0.031			
4,4'-DDT	1	0		11.25	51.16				0.548			
Endrin ketone	1	0		11.70	47.27				0.065			
3,3'-Dichlorobenzidine	1	0		11.78	52.64	50			0.408	0.430	5.28	
Benzo[a]anthracene	1	0		11.79	51.42	50			1.515	1.558	2.84	
Chrysene	1	0		11.84	47.88	50			1.337	1.281	4.24	
bis(2-Ethylhexyl)phthalate	1	0		11.88	48.18	50			0.875	0.843	3.64	
Perylene-d12	1	0	I	13.40	40.00	40				0.000	0.00	
Di-n-octylphthalate	1	0	CC	12.63	56.30	50	20		1.699	1.731	12.60	
Benzo[b]fluoranthene	1	0		13.01	50.05	50			1.448	1.450	0.10	
Benzo[k]fluoranthene	1	0		13.04	47.74	50			1.374	1.311	4.52	
Benzo[a]pyrene	1	0	CC	13.35	48.72	50	20		1.325	1.291	2.56	
Indeno[1,2,3-cd]pyrene	1	0		14.46	57.78	50			1.319	1.430	15.56	
Dibenzof[a,h]anthracene	1	0		14.46	58.37	50			1.128	1.209	16.74	
Benzo[a,h]perylene	1	0		14.73	48.08	50			1.040	1.000	3.84	
2,4-Diaminotoluene	1	100		0.00	0.00	50				0.000	100.00	
4-Methylphenol	1	100		0.00	0.00	50				0.000	100.00	
2,2'-oxybis-(1-Chloropropane)	1	100		0.00	0.00	50				0.000	100.00	
Toluene Diisocyanate	1	100		0.00	0.00	50				0.000	100.00	
Methylnaphthalenes (Total)	1	100		0.00	0.00	50			0.777	0.000	100.00	
Methoxychlor	1	100		0.00	0.00	10				0.000	100.00	
Heptachlor	1	100		0.00	0.00	10				0.000	100.00	
gamma-BHC	1	100		0.00	0.00	10				0.000	100.00	
Dimethylnaphthalenes (Total)	1	100		0.00	0.00	50			0.921	0.000	100.00	
Diaminotoluene Dihydrochloride	1	100		0.00	0.00	50				0.000	100.00	
Heptachlor epoxide	1	100		0.00	0.00	10				0.000	100.00	

CC - Continuing Calibration Check Compound
N/O or N/O - Not applicable for this runCP - System Performance Check Compound I - Internal Standard
* - Failed the C or P Criteria

** - No limit specified in method

Page 2 of 2

Note:

8260/8270 limits are compared against the %DIFF/R.F.
624 limits are compared against the concentration found.625 limits are compared against the %DIFF.
524.2 limits are compared against the %DIFF

SampleID : CAL BNA@50PPM Operator : AHD Qt Meth : 5M_0430.M
 Data File: 5M57765.D Sam Mult : 1 Vial# : 2 Qt On : 05/12/10 09:15
 Acq On : 05/12/10 09:00 Misc : A,BNA Qt Upd On: 05/10/10 10:23

Data Path : G:\GCMSData\2010\GCMS_5\Data\05-12-10\
 Qt Path : G:\GCMSData\2010\GCMS_5\METHODQT\
 Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.062	152	44681	40.00	ng	-0.19
29) Naphthalene-d8	6.099	136	167904	40.00	ng	-0.19
47) Acenaphthene-d10	7.434	164	104153	40.00	ng	-0.21
73) Phenanthrene-d10	8.802	188	195123	40.00	ng	-0.24
87) Chrysene-d12	11.799	240	163425	40.00	ng	-0.27
102) Perylene-d12	13.401	264	148775	40.00	ng	-0.26
System Monitoring Compounds						
10) 2-Fluorophenol	3.753	112	64841	50.08	ng	-0.25
Spiked Amount 100.000			Recovery =	50.08%		
15) Phenol-d5	4.790	99	101385	50.74	ng	-0.19
Spiked Amount 100.000			Recovery =	50.74%		
30) Nitrobenzene-d5	5.543	128	16295	24.27	ng	-0.19
Spiked Amount 50.000			Recovery =	48.54%		
52) 2-Fluorobiphenyl	6.905	172	87650	24.62	ng	-0.19
Spiked Amount 50.000			Recovery =	49.24%		
76) 2,4,6-Tribromophenol	8.129	330	19806	45.31	ng	-0.22
Spiked Amount 100.000			Recovery =	45.31%		
90) Terphenyl-d14	10.570	244	112597	25.19	ng	-0.26
Spiked Amount 50.000			Recovery =	50.38%		
Target Compounds						
						Qvalue
8) Pyridine	1.910	79	60593	45.90	ng	80
9) N-Nitrosodimethylamine	1.884	74	34846	46.19	ng	99
11) Benzaldehyde	4.667	77	68621	58.16	ng	89
12) Aniline	4.774	93	115454	49.23	ng	48
13) Pentachloroethane	4.795	117	27768	53.50	ng	67
14) bis(2-Chloroethyl)ether	4.849	93	67913	51.29	ng	90
16) Phenol	4.800	94	87546	40.24	ng	91
17) 2-Chlorophenol	4.881	128	75155	49.42	ng	82
18) N-Decane	4.934	57	71756	49.24	ng	82
19) 1,3-Dichlorobenzene	5.003	146	82134	47.92	ng	98
20) 1,4-Dichlorobenzene	5.073	146	84374	47.20	ng	100
21) 1,2-Dichlorobenzene	5.201	146	81613	47.07	ng	99
22) Benzyl alcohol	5.212	108	49490	51.00	ng	97
23) bis(2-chloroisopropyl)...	5.313	45	83343	50.01	ng	57
24) 2-Methylphenol	5.324	108	69166	48.62	ng	99
25) Acetophenone	5.425	105	107644	48.49	ng	67
26) Hexachloroethane	5.474	117	35475	50.90	ng	75
27) N-Nitroso-di-n-propyla...	5.431	70	61362	51.98	ng	80
28) 3&4-Methylphenol	5.458	108	69774	50.33	ng	90
31) Nitrobenzene	5.559	77	89810	50.38	ng	90
32) Isophorone	5.757	82	159949	51.37	ng	90
33) 2-Nitrophenol	5.815	139	41197	49.02	ng	91
34) 2,4-Dimethylphenol	5.869	107	89559	50.29	ng	92
35) Benzoic Acid	6.013	105	36329	48.89	ng	98
36) bis(2-Chloroethoxy)met...	5.933	93	82149	50.64	ng	98
37) 2,4-Dichlorophenol	6.013	162	66237	49.44	ng	90
38) 1,2,4-Trichlorobenzene	6.061	180	82593	49.28	ng	97
39) Naphthalene	6.115	128	219315	48.30	ng	98
40) 4-Chloroaniline	6.173	127	74911	49.13	ng	100
41) Hexachlorobutadiene	6.205	225	53272	47.82	ng	97
42) Caprolactam	6.478	113	19392	44.17	ng	77
43) 4-Chloro-3-methylphenol	6.558	107	77834	50.18	ng	90
44) 2-Methylnaphthalene	6.633	142	162066	49.67	ng	97
45) Methylnaphthalenes (To...	6.633	142	162066	49.67	ng	97
46) 1,1'-Biphenyl	6.980	154	199565	48.00	ng	92
48) 1,2,4,5-Tetrachloroben...	6.761	216	83095	44.93	ng	97
49) Hexachlorocyclopentadiene	6.740	237	11407	46.30	ng	99
50) 2,4,6-Trichlorophenol	6.857	196	51111	47.65	ng	99
51) 2,4,5-Trichlorophenol	6.895	196	52911	45.98	ng	98
53) 2-Chloronaphthalene	6.996	162	151060	48.75	ng	97
54) 1,4-Dimethylnaphthalene	7.253	156	112662	46.99	ng	97
55) Dimethylnaphthalenes (...)	7.253	156	112662	46.99	ng	97
56) Diphenyl Ether	7.055	170	103314	44.55	ng	88
57) 2-Nitroaniline	7.092	65	53665	52.46	ng	73
58) Acenaphthylene	7.317	152	234834	46.42	ng	99
59) Dimethylphthalate	7.226	163	189537	50.41	ng	99
60) 2,6-Dinitrotoluene	7.285	165	39894	48.44	ng	77
61) Acenaphthene	7.461	153	151310	47.92	ng	97
62) 3-Nitroaniline	7.423	138	36445	48.75	ng	44
63) 2,4-Dinitrophenol	7.530	184	17423	48.51	ng	62
64) Dibenzofuran	7.605	168	227207	48.71	ng	98
65) 2,4-Dinitrotoluene	7.626	165	52943	46.91	ng	85

Quantitation Report (Not Reviewed)

SampleID : CAL BNA@50PPM Operator : AHD Qt Meth : 5M_0430.M
 Data File: 5M57765.D Sam Mult : 1 Vial# : 2 Qt On : 05/12/10 09:15
 Acq On : 05/12/10 09:00 Misc : A,BNA Qt Upd On: 05/10/10 10:23

Data Path : G:\GCMSData\2010\GCMS_5\Data\05-12-10\
 Qt Path : G:\GCMSDATA\2010\GCMS_5\METHODQT\
 Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66) 4-Nitrophenol	7.594	65	28972	57.07	ng	51
67) 2,3,4,6-Tetrachlorophenol	7.723	232	42937	47.18	ng	86
68) Fluorene	7.904	166	209195	52.01	ng	99
69) 4-Chlorophenyl-phenyle...	7.904	204	113264	52.26	ng	81
70) Diethylphthalate	7.813	149	198598	49.33	ng	97
71) 4-Nitroaniline	7.958	138	38258	49.16	ng	76
72) Atrazine	8.540	200	59478	46.39	ng	96
74) 4,6-Dinitro-2-methylph...	7.995	198	31668	51.30	ng	37
75) n-Nitrosodiphenylamine	8.016	169	153527	48.09	ng	99
77) 1,2-Diphenylhydrazine	8.049	77	199717	51.55	ng	89
78) 4-Bromophenyl-phenylether	8.353	248	58966	48.57	ng	100
79) Hexachlorobenzene	8.417	284	57140	48.61	ng	79
80) N-Octadecane	8.706	57	109715	51.54	ng	78
81) Pentachlorophenol	8.631	266	17587	48.25	ng	97
82) Phenanthrene	8.828	178	276549	48.18	ng	100
83) Anthracene	8.882	178	272184	47.26	ng	99
84) Carbazole	9.058	167	251800	48.11	ng	99
85) Di-n-butylphthalate	9.443	149	348119	49.37	ng	99
86) Fluoranthene	10.116	202	342846	49.76	ng	80
88) Pyrene	10.372	202	342951	52.07	ng	75
89) Benzidine	10.292	184	115217	64.68	ng	79
91) 4,4'-DDE	10.506	246	83167	51.59	ng	89
92) Endrin	10.789	81	19487	56.94	ng	39
93) 4,4'-DDD	10.907	235	126326	49.72	ng	87
94) Butylbenzylphthalate	11.174	149	144161	51.85	ng	94
95) Endrin aldehyde	10.789	67	6652	52.84	ng	72
96) 4,4'-DDT	11.249	235	114636	51.16	ng	93
97) Endrin ketone	11.697	317	12465	47.27	ng	99
98) 3,3'-Dichlorobenzidine	11.777	252	87755	52.64	ng	96
99) Benzo[a]anthracene	11.788	228	318332	51.42	ng	99
100) Chrysene	11.836	228	261596	47.88	ng	99
101) bis(2-Ethylhexyl)phtha...	11.879	149	172277	48.18	ng	99
103) Di-n-octylphthalate	12.627	149	321959	56.30	ng	99
104) Benzo[b]fluoranthene	13.006	252	269593	50.05	ng	90
105) Benzo[k]fluoranthene	13.038	252	243893	47.74	ng	88
106) Benzo[a]pyrene	13.348	252	240036	48.72	ng	87
107) Indeno[1,2,3-cd]pyrene	14.459	276	265953	57.78	ng	82
108) Dibenzo[a,h]anthracene	14.465	278	224802	58.37	ng	82
109) Benzo[g,h,i]perylene	14.732	276	186058	48.08	ng	76

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Form7

Continuing Calibration

Calibration Name: CAL BNA@50PPM
Cont Calibration Date/Time 5/12/2010 6:45:00 P

Data File: 5M57783.D
Method: EPA 8270C

Instrument: GCMS 5

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
1,4-Dichlorobenzene-d4	1	0	I	5.03	40.00	40				0.000	0.00	
Pvridine	1	0		1.88	39.45	50			1.200	0.924	21.10	
N-Nitrosodimethylamine	1	0		1.85	41.79	50			0.662	0.561	16.42	
2-Fluorophenol	1	0	S	3.72	48.06	50			1.157	1.110	3.88	
Benzaldehyde	1	0		4.64	59.91	50			0.916	1.255	19.82	
Aniline	1	0		4.75	49.02	50			2.025	2.057	1.96	
Pentachloroethane	1	0		4.77	54.39	50			0.465	0.505	8.78	
bis(2-Chloroethyl)ether	1	0		4.83	52.53	50			1.185	1.245	5.06	
Phenol-d5	1	0	S	4.77	51.38	50			1.789	1.838	2.76	
Phenol	1	0	CC	4.78	46.56	50	20		1.948	1.814	6.88	
2-Chlorophenol	1	0		4.85	49.66	50			1.361	1.352	0.68	
N-Decane	1	0		4.91	49.51	50			1.305	1.292	0.98	
1,3-Dichlorobenzene	1	0		4.98	48.80	50			1.534	1.498	2.40	
1,4-Dichlorobenzene	1	0	CC	5.05	47.65	50	20		1.600	1.525	4.70	
1,2-Dichlorobenzene	1	0		5.17	47.86	50			1.552	1.486	4.28	
Benzyl alcohol	1	0		5.19	52.62	50			0.869	0.914	5.24	
bis(2-chloroisopropyl)ether	1	0		5.29	52.84	50			1.492	1.577	5.68	
2-Methylphenol	1	0		5.30	48.56	50			1.273	1.237	2.88	
Acetophenone	1	0		5.40	48.78	50			1.987	1.939	2.44	
Hexachloroethane	1	0		5.45	53.02	50			0.624	0.662	6.04	
N-Nitroso-di-n-propylamine	1	0	CP	5.41	52.37	50	0.05		1.057	1.107	4.74	
3&4-Methylphenol	1	0		5.43	50.37	50			1.241	1.250	0.74	
Naphthalene-d8	1	0	I	6.07	40.00	40				0.000	0.00	
Nitrobenzene-d5	1	0	S	5.52	24.18	25			0.160	0.155	3.28	
Nitrobenzene	1	0		5.54	49.91	50			0.425	0.424	0.18	
Isophorone	1	0		5.73	50.76	50			0.742	0.753	1.52	
2-Nitrophenol	1	0	CC	5.79	46.61	50	20		0.200	0.187	6.78	
2,4-Dimethylphenol	1	0		5.85	50.27	50			0.424	0.427	0.54	
Benzoic Acid	1	0		6.00	56.86	50			0.191	0.207	13.72	
bis(2-Chloroethoxy)methane	1	0		5.90	50.14	50			0.386	0.388	0.28	
2,4-Dichlorophenol	1	0	CC	5.99	48.38	50	20		0.319	0.309	3.24	
1,2,4-Trichlorobenzene	1	0		6.03	48.49	50			0.399	0.387	3.02	
Naphthalene	1	0		6.09	48.45	50			1.082	1.048	3.10	
4-Chloroaniline	1	0		6.14	52.18	50			0.363	0.379	4.36	
Hexachlorobutadiene	1	0	CC	6.18	48.16	50	20		0.265	0.256	3.68	
Caprolactam	1	0		6.45	45.40	50			0.105	0.095	9.20	
4-Chloro-3-methylphenol	1	0	CC	6.53	49.66	50	20		0.370	0.367	0.68	
2-Methylnaphthalene	1	0		6.61	49.10	50			0.777	0.763	1.80	
Methylnaphthalenes	1	0		6.61	49.10	50	20			0.763	1.80	
1,1'-Biphenyl	1	0		6.95	48.44	50			0.991	0.960	3.12	
Acenaphthene-d10	1	0	I	7.40	40.00	40				0.000	0.00	
1,2,4,5-Tetrachlorobenzene	1	0		6.73	45.60	50			0.710	0.648	8.80	
Hexachlorocyclopentadiene	1	0	CP	6.72	46.81	50	0.05		0.131	0.089	6.38	
2,4,6-Trichlorophenol	1	0	CC	6.83	48.28	50	20		0.412	0.398	3.44	
2,4,5-Trichlorophenol	1	0		6.87	48.85	50			0.442	0.432	2.30	
2-Fluorobiphenyl	1	0	S	6.88	25.15	25			1.367	1.375	0.60	
2-Chloronaphthalene	1	0		6.97	47.20	50			1.190	1.123	5.60	
1,4-Dimethylnaphthalene	1	0		7.22	48.48	50			0.921	0.893	3.04	
Dimethylnaphthalenes	1	0		7.22	48.48	50	20			0.893	3.04	
Diphenyl Ether	1	0		7.03	45.30	50			0.891	0.807	9.40	
2-Nitroaniline	1	0		7.06	52.17	50			0.393	0.410	4.34	
Acenaphthylene	1	0		7.29	46.50	50			1.943	1.807	7.00	
Dimethylphthalate	1	0		7.20	51.04	50			1.444	1.474	2.08	
2,6-Dinitrotoluene	1	0		7.26	50.03	50			0.316	0.316	0.06	
Acenaphthene	1	0	CC	7.43	47.71	50	20		1.213	1.157	4.58	
3-Nitroaniline	1	0		7.39	51.91	50			0.287	0.298	3.82	
2,4-Dinitrophenol	1	0	CP	7.50	55.81	50	0.05		0.137	0.157	11.62	
Dibenzofuran	1	0		7.58	48.65	50			1.791	1.743	2.70	
2,4-Dinitrotoluene	1	0		7.59	46.91	50			0.433	0.407	6.18	
4-Nitrophenol	1	0	CP	7.57	63.42	50	0.05		0.190	0.249	26.84	
2,3,4,6-Tetrachlorophenol	1	0		7.69	47.55	50			0.349	0.332	4.90	
Fluorene	1	0		7.87	53.28	50			1.545	1.646	6.56	
4-Chlorophenyl-phenylether	1	0		7.87	54.01	50			0.865	0.902	8.02	
Diethylphthalate	1	0		7.78	50.06	50			1.546	1.548	0.12	
4-Nitroaniline	1	0		7.92	50.75	50			0.299	0.303	1.50	
Atrazine	1	0		8.51	46.64	50			0.492	0.459	6.72	
Phenanthrene-d10	1	0	I	8.76	40.00	40				0.000	0.00	
4,6-Dinitro-2-methylphenol	1	0		7.96	54.03	50			0.131	0.137	8.06	
n-Nitrosodiphenylamine	1	0	CC	7.98	50.32	50	20		0.655	0.659	0.64	
2,4,6-Tribromophenol	1	0	S	8.09	49.26	50			0.090	0.088	1.48	

CC - Continuing Calibration Check Compound
N/O or N/O - Not applicable for this run

CP - System Performance Check Compound I - Internal Standard
* - Failed the C or P Criteria

** - No limit specified in method

Page 1 of 2

Note:

8260/8270 limits are compared against the %DIFF/R.F.
624 limits are compared against the concentration found.

625 limits are compared against the %DIFF.
524.2 limits are compared against the %DIFF

Form7

Continuing Calibration

Calibration Name: CAL BNA@50PPM
Cont Calibration Date/Time 5/12/2010 6:45:00 PData File: 5M57783.D
Method: EPA 8270C

Instrument: GCMS 5

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
1,2-Diphenylhydrazine	1	0		8.01	53.66	50			0.794	0.852	7.32	
4-Bromophenyl-phenylether	1	0		8.32	48.12	50			0.249	0.240	3.76	
Hexachlorobenzene	1	0		8.38	48.36	50			0.241	0.233	3.28	
N-Octadecane	1	0		8.67	52.84	50			0.436	0.461	5.68	
Pentachlorophenol	1	0	CC	8.59	57.94	50	20		0.080	0.089	15.88	
Phenanthrene	1	0		8.79	47.98	50			1.177	1.129	4.04	
Anthracene	1	0		8.84	47.90	50			1.181	1.131	4.20	
Carbazole	1	0		9.02	47.54	50			1.073	1.020	4.92	
Di-n-butylphthalate	1	0		9.41	48.59	50			1.446	1.405	2.82	
Fluoranthene	1	0	CC	10.08	47.48	50	20		1.412	1.341	5.04	
Chrysene-d12	1	0	I	11.76	40.00	40				0.000	0.00	
Pylene	1	0		10.33	50.37	50			1.612	1.624	0.74	
Benzidine	1	0		10.25	59.59	50			0.375	0.530	19.18	
Terphenyl-d14	1	0	S	10.53	23.64	25			1.094	1.035	5.44	
4,4'-DDE	1	0		10.47	50.95				0.395			
Endrin	1	0		10.74	56.47	50			0.084	0.095	12.94	
4,4'-DDD	1	0		10.87	48.55				0.622			
Butylbenzylphthalate	1	0		11.13	49.14	50			0.681	0.669	1.72	
Endrin aldehyde	1	0		10.74	53.24				0.031			
4,4'-DDT	1	0		11.21	50.35				0.548			
Endrin ketone	1	0		11.66	44.34				0.065			
3,3'-Dichlorobenzidine	1	0		11.74	55.95	50			0.408	0.457	11.90	
Benzo[a]anthracene	1	0		11.75	51.55	50			1.515	1.562	3.10	
Chrysene	1	0		11.79	46.43	50			1.337	1.242	7.14	
bis(2-Ethylhexyl)phthalate	1	0		11.84	48.38	50			0.875	0.847	3.24	
Perylene-d12	1	0	I	13.36	40.00	40				0.000	0.00	
Di-n-octylphthalate	1	0	CC	12.59	55.87	50	20		1.699	1.716	11.74	
Benzo[b]fluoranthene	1	0		12.96	48.38	50			1.448	1.401	3.24	
Benzo[k]fluoranthene	1	0		12.99	49.11	50			1.374	1.349	1.78	
Benzo[a]pyrene	1	0	CC	13.30	49.96	50	20		1.325	1.323	0.08	
Indeno[1,2,3-cd]pyrene	1	0		14.41	57.06	50			1.319	1.410	14.12	
Dibenzo[a,h]anthracene	1	0		14.41	57.36	50			1.128	1.184	14.72	
Benzo[a,h]perylene	1	0		14.68	47.67	50			1.040	0.992	4.66	
4-Methylphenol	1	100		0.00	0.00	50				0.000	100.00	
Dimethylnaphthalenes (Total)	1	100		0.00	0.00	50			0.921	0.000	100.00	
gamma-BHC	1	100		0.00	0.00	10				0.000	100.00	
Heptachlor	1	100		0.00	0.00	10				0.000	100.00	
Heptachlor epoxide	1	100		0.00	0.00	10				0.000	100.00	
Methoxychlor	1	100		0.00	0.00	10				0.000	100.00	
Methylnaphthalenes (Total)	1	100		0.00	0.00	50			0.777	0.000	100.00	
Toluene Diisocyanate	1	100		0.00	0.00	50				0.000	100.00	
2,2'-oxybis-(1-Chloropropane)	1	100		0.00	0.00	50				0.000	100.00	
2,4 Diaminotoluene	1	100		0.00	0.00	50				0.000	100.00	
Diaminotoluene Dihydrochloride	1	100		0.00	0.00	50				0.000	100.00	

CC - Continuing Calibration Check Compound
N/O or N/O - Not applicable for this runCP - System Performance Check Compound I - Internal Standard
* - Failed the C or P Criteria

** - No limit specified in method

Page 2 of 2

Note:

8260/8270 limits are compared against the %DIFF/R.F.
624 limits are compared against the concentration found.625 limits are compared against the %DIFF.
524.2 limits are compared against the %DIFF

SampleID : CAL BNA@50PPM
 Data File: 5M57783.D
 Acq On : 05/12/10 18:45

Operator : AHD
 Sam Mult : 1 Vial# : 2
 Misc : A,BNA

Qt Meth : 5M_0430.M
 Qt On : 05/12/10 18:59
 Qt Upd On: 05/10/10 10:23

Data Path : G:\GCMSData\2010\GCMS_5\Data\05-1210\
 Qt Path : G:\GCMSData\2010\GCMS_5\METHODQT\
 Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.034	152	46762	40.00	ng	-0.22
29) Naphthalene-d8	6.070	136	181394	40.00	ng	-0.22
47) Acenaphthene-d10	7.400	164	111974	40.00	ng	-0.24
73) Phenanthrene-d10	8.762	188	207492	40.00	ng	-0.28
87) Chrysene-d12	11.759	240	172804	40.00	ng	-0.31
102) Perylene-d12	13.357	264	153499	40.00	ng	-0.31
System Monitoring Compounds						
10) 2-Fluorophenol	3.719	112	64856	48.06	ng	-0.28
Spiked Amount 100.000			Recovery =	48.06%		
15) Phenol-d5	4.766	99	107430	51.38	ng	-0.21
Spiked Amount 100.000			Recovery =	51.38%		
30) Nitrobenzene-d5	5.520	128	17538	24.18	ng	-0.21
Spiked Amount 50.000			Recovery =	48.36%		
52) 2-Fluorobiphenyl	6.877	172	96238	25.15	ng	-0.22
Spiked Amount 50.000			Recovery =	50.30%		
76) 2,4,6-Tribromophenol	8.095	330	22897	49.26	ng	-0.26
Spiked Amount 100.000			Recovery =	49.26%		
90) Terphenyl-d14	10.531	244	111753	23.64	ng	-0.30
Spiked Amount 50.000			Recovery =	47.28%		
Target Compounds						
						Qvalue
8) Pyridine	1.882	79	54011	39.45	ng	83
9) N-Nitrosodimethylamine	1.855	74	32775	41.79	ng	86
11) Benzaldehyde	4.638	77	73387	59.91	ng	93
12) Aniline	4.745	93	120264	49.02	ng	49
13) Pentachloroethane	4.766	117	29546	54.39	ng	68
14) bis(2-Chloroethyl)ether	4.825	93	72798	52.53	ng	86
16) Phenol	4.777	94	106012	46.56	ng	88
17) 2-Chlorophenol	4.852	128	79034	49.66	ng	84
18) N-Decane	4.911	57	75509	49.51	ng	80
19) 1,3-Dichlorobenzene	4.980	146	87533	48.80	ng	96
20) 1,4-Dichlorobenzene	5.050	146	89147	47.65	ng	98
21) 1,2-Dichlorobenzene	5.172	146	86848	47.86	ng	99
22) Benzyl alcohol	5.189	108	53437	52.62	ng	97
23) bis(2-chloroisopropyl)...	5.290	45	92157	52.84	ng	53
24) 2-Methylphenol	5.301	108	72292	48.56	ng	100
25) Acetophenone	5.402	105	113342	48.78	ng	66
26) Hexachloroethane	5.450	117	38675	53.02	ng	59
27) N-Nitroso-di-n-propyla...	5.408	70	64693	52.37	ng	81
28) 3&4-Methylphenol	5.434	108	73081	50.37	ng	91
31) Nitrobenzene	5.536	77	96111	49.91	ng	88
32) Isophorone	5.728	82	170732	50.76	ng	94
33) 2-Nitrophenol	5.787	139	42317	46.61	ng	77
34) 2,4-Dimethylphenol	5.846	107	96726	50.27	ng	90
35) Benzoic Acid	5.995	105	46922	56.86	ng	99
36) bis(2-Chloroethoxy)met...	5.904	93	87872	50.14	ng	98
37) 2,4-Dichlorophenol	5.990	162	70027	48.38	ng	86
38) 1,2,4-Trichlorobenzene	6.033	180	87791	48.49	ng	98
39) Naphthalene	6.086	128	237697	48.45	ng	99
40) 4-Chloroaniline	6.145	127	85945	52.18	ng	99
41) Hexachlorobutadiene	6.177	225	57964	48.16	ng	95
42) Caprolactam	6.455	113	21535	45.40	ng	74
43) 4-Chloro-3-methylphenol	6.535	107	83216	49.66	ng	88
44) 2-Methylnaphthalene	6.610	142	173086	49.10	ng	97
45) Methylnaphthalenes (To...	6.610	142	173086	49.10	ng	97
46) 1,1'-Biphenyl	6.951	154	217592	48.44	ng	94
48) 1,2,4,5-Tetrachloroben...	6.732	216	90656	45.60	ng	96
49) Hexachlorocyclopentadiene	6.716	237	12467	46.81	ng	97
50) 2,4,6-Trichlorophenol	6.829	196	55675	48.28	ng	100
51) 2,4,5-Trichlorophenol	6.871	196	60446	48.85	ng	99
53) 2-Chloronaphthalene	6.967	162	157229	47.20	ng	98
54) 1,4-Dimethylnaphthalene	7.224	156	124968	48.48	ng	97
55) Dimethylnaphthalenes (...)	7.224	156	124968	48.48	ng	97
56) Diphenyl Ether	7.032	170	112926	45.30	ng	86
57) 2-Nitroaniline	7.064	65	57378	52.17	ng	78
58) Acenaphthylene	7.288	152	252933	46.50	ng	99
59) Dimethylphthalate	7.197	163	206327	51.04	ng	99
60) 2,6-Dinitrotoluene	7.256	165	44297	50.03	ng	75
61) Acenaphthene	7.427	153	161939	47.71	ng	94
62) 3-Nitroaniline	7.390	138	41725	51.91	ng	37
63) 2,4-Dinitrophenol	7.502	184	21919	55.81	ng	78
64) Dibenzofuran	7.577	168	243930	48.65	ng	100
65) 2,4-Dinitrotoluene	7.593	165	56921	46.91	ng	99

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@50PPM Operator : AHD Qt Meth : 5M_0430.M
 Data File: 5M57783.D Sam Mult : 1 Vial# : 2 Qt On : 05/12/10 18:59
 Acq On : 05/12/10 18:45 Misc : A,BNA Qt Upd On: 05/10/10 10:23

Data Path : G:\GcMsData\2010\GCMS_5\Data\05-1210\
 Qt Path : G:\GCMSDATA\2010\GCMS_5\METHODQT\
 Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66) 4-Nitrophenol	7.566	65	34908	63.42	ng	57
67) 2,3,4,6-Tetrachlorophenol	7.694	232	46522	47.55	ng	90
68) Fluorene	7.870	166	230389	53.28	ng	99
69) 4-Chlorophenyl-phenyle...	7.870	204	126311	54.01	ng	82
70) Diethylphthalate	7.779	149	216668	50.06	ng	98
71) 4-Nitroaniline	7.924	138	42461	50.75	ng	70
72) Atrazine	8.506	200	64296	46.64	ng	96
74) 4,6-Dinitro-2-methylph...	7.961	198	35639	54.03	ng	33
75) n-Nitrosodiphenylamine	7.982	169	170849	50.32	ng	100
77) 1,2-Diphenylhydrazine	8.015	77	221081	53.66	ng	91
78) 4-Bromophenyl-phenylether	8.319	248	62128	48.12	ng	97
79) Hexachlorobenzene	8.383	284	60453	48.36	ng	79
80) N-Octadecane	8.672	57	119618	52.84	ng	77
81) Pentachlorophenol	8.592	266	23089	57.94	ng	96
82) Phenanthrene	8.789	178	292886	47.98	ng	99
83) Anthracene	8.843	178	293382	47.90	ng	99
84) Carbazole	9.024	167	264594	47.54	ng	99
85) Di-n-butylphthalate	9.409	149	364341	48.59	ng	99
86) Fluoranthene	10.077	202	347862	47.48	ng	80
88) Pyrene	10.328	202	350834	50.37	ng	78
89) Benzidine	10.253	184	114427	59.59	ng	81
91) 4,4'-DDE	10.467	246	86846	50.95	ng	89
92) Endrin	10.744	81	20433	56.47	ng	40
93) 4,4'-DDD	10.867	235	130442	48.55	ng	86
94) Butylbenzylphthalate	11.134	149	144459	49.14	ng	94
95) Endrin aldehyde	10.744	67	7087	53.24	ng	70
96) 4,4'-DDT	11.209	235	119275	50.35	ng	92
97) Endrin ketone	11.658	317	12364	44.34	ng	99
98) 3,3'-Dichlorobenzidine	11.738	252	98631	55.95	ng	94
99) Benzo[a]anthracene	11.749	228	337423	51.55	ng	99
100) Chrysene	11.792	228	268232	46.43	ng	98
101) bis(2-Ethylhexyl)phtha...	11.840	149	182914	48.38	ng	98
103) Di-n-octylphthalate	12.588	149	329184	55.87	ng	100
104) Benzo[b]fluoranthene	12.961	252	268855	48.38	ng	90
105) Benzo[k]fluoranthene	12.994	252	258849	49.11	ng	89
106) Benzo[a]pyrene	13.303	252	253932	49.96	ng	87
107) Indeno[1,2,3-cd]pyrene	14.409	276	270495	57.06	ng	81
108) Dibenzo[a,h]anthracene	14.415	278	227203	57.36	ng	82
109) Benzo[g,h,i]perylene	14.676	276	190346	47.67	ng	75

(#) = qualifier out of range (m) = manual integration (+) = signals summed

GC/MS Semi-Volatile Data
Raw QC Data

Form 5

Tune Name: CAL DFTPP

Data File: 9M24665.D

Instrument: GCMS 9

Analysis Date: 04/27/10 08:20

Method: EPA 8270C

Tune Scan/Time Range: Average of 9.666 to 9.677 min

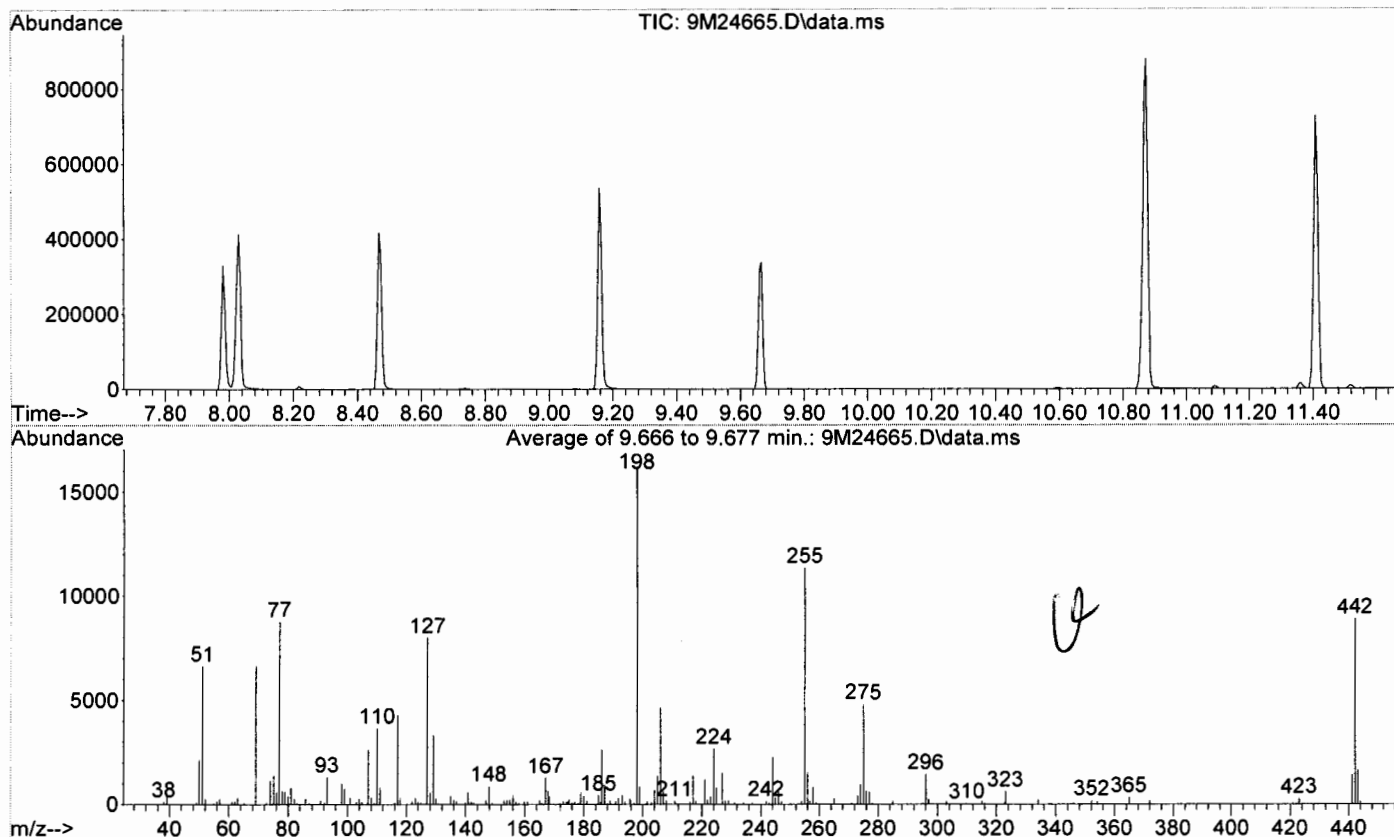
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	41.0	6644	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	41.1	6657	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	49.4	8004	PASS
197	198	0.00	1	0.4	69	PASS
198	198	100	100	100.0	16196	PASS
199	198	5	9	5.3	857	PASS
275	198	10	30	29.7	4806	PASS
365	198	1	100	2.0	321	PASS
441	443	0.01	100	85.1	1397	PASS
442	198	40	100	55.0	8905	PASS
443	442	17	23	18.4	1641	PASS

Data File	Sample Number	Analysis Date:
9M24666.D	CAL BNA@50PPM	04/27/10 08:42
9M24667.D	CAL BNA@2PPM	04/27/10 09:05
9M24668.D	CAL BNA@10PPM	04/27/10 09:28
9M24669.D	CAL BNA@20PPM	04/27/10 09:51
9M24670.D	CAL BNA@80PPM	04/27/10 10:14
9M24671.D	CAL BNA@120PP	04/27/10 10:37
9M24672.D	CAL BNA@160PP	04/27/10 11:00
9M24673.D	CAL BNA@196PP	04/27/10 11:23
9M24674.D	CAL BNA@50PPM	04/27/10 11:46
9M24675.D	ICV BNA@50PPM	04/27/10 12:09
9M24676.D	SMB4488	04/27/10 13:22
9M24677.D	AC51085-002	04/27/10 13:45
9M24678.D	AC51085-004	04/27/10 14:08
9M24679.D	AC51085-006	04/27/10 14:30
9M24680.D	AC51085-008	04/27/10 14:53
9M24681.D	AC50935-011	04/27/10 15:16
9M24682.D	SMB4489	04/27/10 15:39
9M24683.D	SMB4489(MS)	04/27/10 16:02
9M24684.D	AC51148-002	04/27/10 16:24
9M24685.D	AC51009-009	04/27/10 16:47
9M24686.D	SMB4490(MS)	04/27/10 17:10
9M24687.D	SMB4490	04/27/10 17:33
9M24688.D	WMB4502	04/27/10 17:56
9M24689.D	AC50971-015	04/27/10 18:18
9M24690.D	AC50971-015(MS)	04/27/10 18:41
9M24691.D	AC50971-015(MSD)	04/27/10 19:04
9M24692.D	AC50971-018	04/27/10 19:27
9M24693.D	AC50971-019	04/27/10 19:50
9M24694.D	AC50971-012	04/27/10 20:12
9M24695.D	AC50966-006	04/27/10 20:35
9M24696.D	AC50966-007	04/27/10 20:58
9M24697.D	AC50966-008	04/27/10 21:21
9M24698.D	AC50966-009	04/27/10 21:44
9M24699.D	AC51149-001(5X)	04/27/10 22:07
9M24700.D	AC51139-002	04/27/10 22:30
9M24701.D	AC51154-001	04/27/10 22:53
9M24702.D	AC51167-001	04/27/10 23:16
9M24703.D	AC51167-002	04/27/10 23:39
9M24704.D	AC51167-003	04/28/10 00:02
9M24705.D	AC51167-005	04/28/10 00:25
9M24706.D	AC51167-006	04/28/10 00:48
9M24707.D	AC51167-007	04/28/10 01:11
9M24708.D	AC51167-008	04/28/10 01:34

Data Path : G:\GcMsData\2010\GCMS_9\Data\04-27-10\
 Data File : 9M24665.D
 Acq On : 27 Apr 2010 8:20
 Operator : AHD
 Sample : CAL DFTPP
 Misc : A,BNA
 ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GCMSDATA\2010\GCMS_9\METHODQT\9M_0402.M
 Title : @GCMS_9,mg,625,8270
 Last Update : Fri Apr 02 12:17:39 2010



Spectrum Information: Average of 9.666 to 9.677 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	41.0	6644	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	41.1	6657	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	49.4	8004	PASS
197	198	0.00	1	0.4	69	PASS
198	198	100	100	100.0	16196	PASS
199	198	5	9	5.3	857	PASS
275	198	10	30	29.7	4806	PASS
365	198	1	100	2.0	321	PASS
441	443	0.01	100	85.1	1397	PASS
442	198	40	100	55.0	8905	PASS
443	442	17	23	18.4	1641	PASS

Form 5

Tune Name: CAL DFTPP

Data File: 5M57327.D

Instrument: GCMS 5

Analysis Date: 04/30/10 07:38

Method: EPA 8270C

Tune Scan/Time Range: Scan 1375

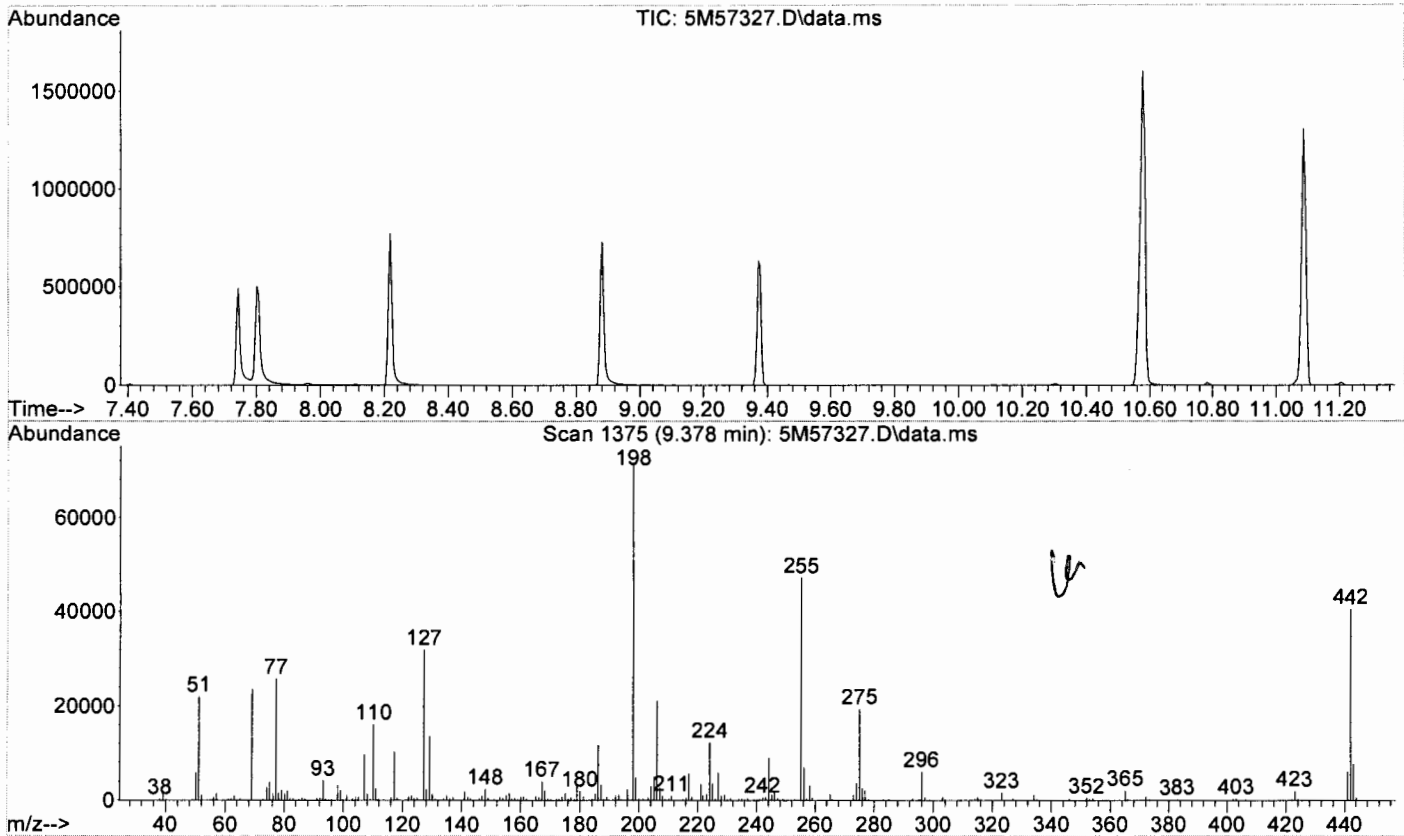
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	30.7	22008	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	33.0	23616	PASS
70	69	0.00	2	0.7	158	PASS
127	198	40	60	44.6	31952	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	71640	PASS
199	198	5	9	6.8	4888	PASS
275	198	10	30	27.1	19392	PASS
365	198	1	100	2.9	2109	PASS
441	443	0.01	100	80.1	6160	PASS
442	198	40	100	56.7	40632	PASS
443	442	17	23	18.9	7692	PASS

Data File	Sample Number	Analysis Date:
5M57328.D	CAL BNA@50PPM	04/30/10 09:02
5M57329.D	CAL BNA@2PPM	04/30/10 09:34
5M57330.D	CAL BNA@10PPM	04/30/10 09:56
5M57331.D	CAL BNA@20PPM	04/30/10 10:18
5M57332.D	CAL BNA@80PPM	04/30/10 10:40
5M57333.D	CAL BNA@120PP	04/30/10 11:02
5M57334.D	CAL BNA@160PP	04/30/10 11:24
5M57335.D	CAL BNA@196PP	04/30/10 11:47
5M57336.D	CAL BNA@50PPM	04/30/10 12:09
5M57337.D	CAL BNA@2PPM	04/30/10 12:31
5M57338.D	ICV BNA@50PPM	04/30/10 12:53

Data Path : G:\GcMsData\2010\GCMS_5\Data\04-30-10\
Data File : 5M57327.D
Acq On : 30 Apr 2010 7:38
Operator : AHD
Sample : CAL DFTPP
Misc : A,BNA
ALS Vial : 1 Sample Multiplier: 1

Integration File: LSCINT.P

Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0402.M
Title : @GCMS_5,mg,625,8270
Last Update : Fri Apr 02 14:31:45 2010



Spectrum Information: Scan 1375

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	30.7	22008	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	33.0	23616	PASS
70	69	0.00	2	0.7	158	PASS
127	198	40	60	44.6	31952	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	71640	PASS
199	198	5	9	6.8	4888	PASS
275	198	10	30	27.1	19392	PASS
365	198	1	100	2.9	2109	PASS
441	443	0.01	100	80.1	6160	PASS
442	198	40	100	56.7	40632	PASS
443	442	17	23	18.9	7692	PASS

Form 5

Tune Name: CAL DFTPP

Data File: 9M25170.D

Instrument: GCMS 9

Analysis Date: 05/11/10 15:13

Method: EPA 8270C

Tune Scan/Time Range: Average of 9.618 to 9.629 min

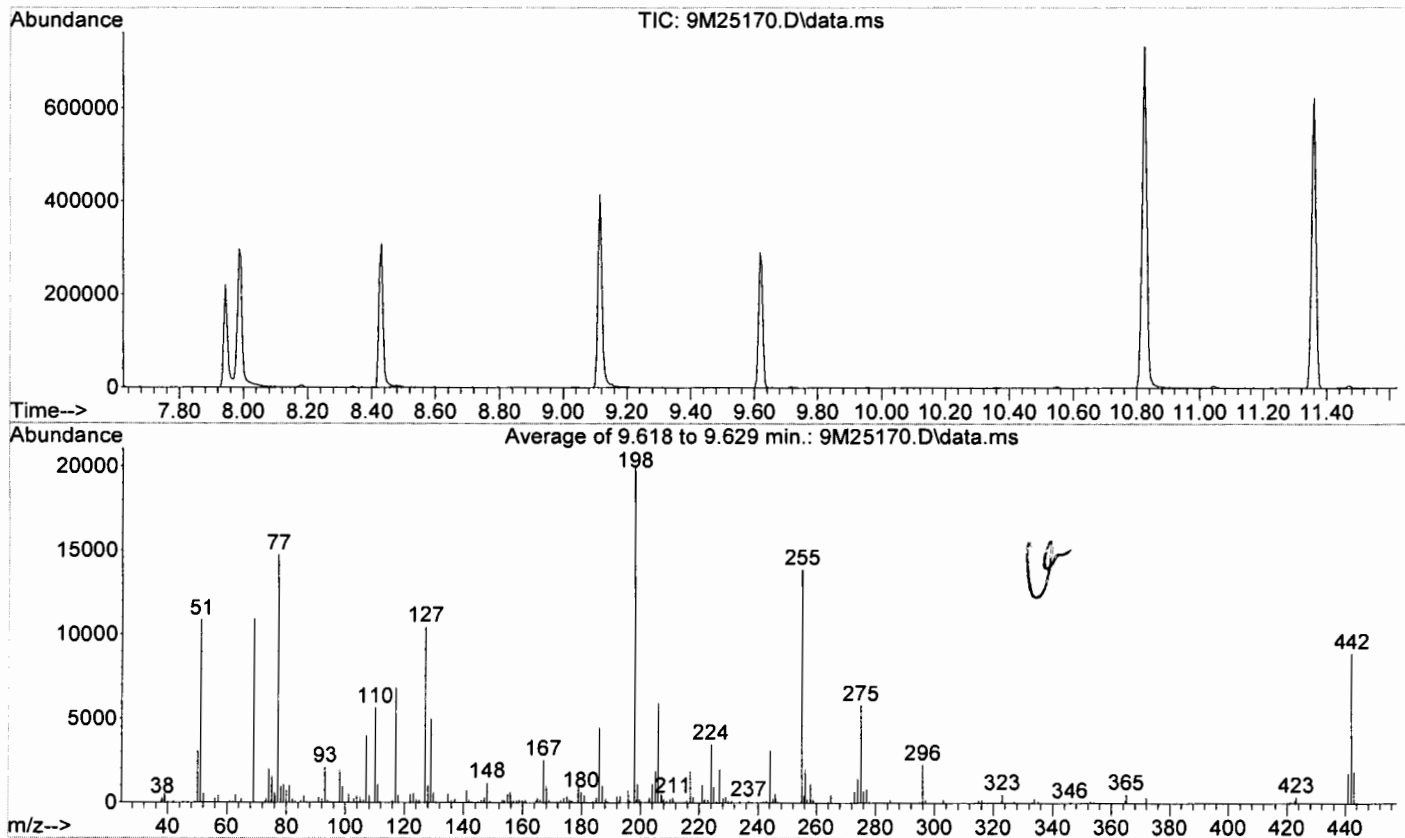
Tgt	Rel	Lo	Hi	Rel	Raw	Pass/
Mass	Mass	Lim	Lim	Abund	Abund	Fail
51	198	30	60	54.2	10893	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	54.5	10941	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	52.1	10464	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	20093	PASS
199	198	5	9	5.4	1089	PASS
275	198	10	30	29.0	5824	PASS
365	198	1	100	2.7	536	PASS
441	443	0.01	100	95.6	1783	PASS
442	198	40	100	44.4	8923	PASS
443	442	17	23	20.9	1864	PASS

Data File	Sample Number	Analysis Date:
9M25171.D	CAL BNA@50PPM	05/11/10 15:36
9M25172.D	WMB4529	05/11/10 15:58
9M25173.D	WMB4529(MS)	05/11/10 16:21
9M25174.D	WMB4530	05/11/10 16:43
9M25175.D	SMB4508	05/11/10 17:06
9M25176.D	SMB4508(MS)	05/11/10 17:29
9M25177.D	SMB4509	05/11/10 17:51
9M25178.D	AC51545-006	05/11/10 18:13
9M25179.D	AC51545-007	05/11/10 18:36
9M25180.D	AC51545-008	05/11/10 18:59
9M25181.D	AC51545-009	05/11/10 19:22
9M25182.D	AC51545-010	05/11/10 19:44
9M25183.D	AC51545-011	05/11/10 20:07
9M25184.D	AC51545-012	05/11/10 20:29
9M25185.D	AC51545-013	05/11/10 20:52
9M25186.D	AC51545-014	05/11/10 21:15
9M25187.D	AC51545-015	05/11/10 21:37
9M25188.D	AC51545-016	05/11/10 22:00
9M25189.D	AC51545-017	05/11/10 22:22
9M25190.D	AC51545-002	05/11/10 22:45
9M25191.D	AC51545-002(MS)	05/11/10 23:08
9M25192.D	AC51545-002(MSD)	05/11/10 23:31
9M25193.D	SMB4509(MS)	05/11/10 23:53
9M25194.D	AC51517-002	05/12/10 00:16
9M25195.D	AC51517-002(MS)	05/12/10 00:39
9M25196.D	AC51517-002(MSD)	05/12/10 01:01
9M25197.D	AC51370-002	05/12/10 01:24
9M25198.D	AC51370-002(MS)	05/12/10 01:47
9M25199.D	AC51370-002(MSD)	05/12/10 02:10
9M25200.D	AC51370-001	05/12/10 02:32
9M25201.D	AC51370-003	05/12/10 02:55
9M25202.D	AC51370-004	05/12/10 03:18
9M25203.D	AC51370-005	05/12/10 03:41
9M25204.D	AC51532-001	05/12/10 04:04
9M25205.D	AC51532-002	05/12/10 04:27
9M25206.D	AC51485-001	05/12/10 04:50
9M25207.D	AC51485-004	05/12/10 05:13
9M25208.D	AC51485-005	05/12/10 05:36

Data Path : G:\GcMsData\2010\GCMS_9\Data\05-1110\
 Data File : 9M25170.D
 Acq On : 11 May 2010 15:13
 Operator : AHD
 Sample : CAL DFTPP
 Misc : A,BNA
 ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GCMSDATA\2010\GCMS_9\METHODQT\9M_0427.M
 Title : @GCMS_9,mg,625,8270
 Last Update : Tue Apr 27 12:21:25 2010



Spectrum Information: Average of 9.618 to 9.629 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	54.2	10893	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	54.5	10941	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	52.1	10464	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	20093	PASS
199	198	5	9	5.4	1089	PASS
275	198	10	30	29.0	5824	PASS
365	198	1	100	2.7	536	PASS
441	443	0.01	100	95.6	1783	PASS
442	198	40	100	44.4	8923	PASS
443	442	17	23	20.9	1864	PASS

Form 5

Tune Name: CAL DFTPP

Data File: 5M57724.D

Instrument: GCMS 5

Analysis Date: 05/11/10 15:40

Method: EPA 8270C

Tune Scan/Time Range: Average of 9.144 to 9.160 min

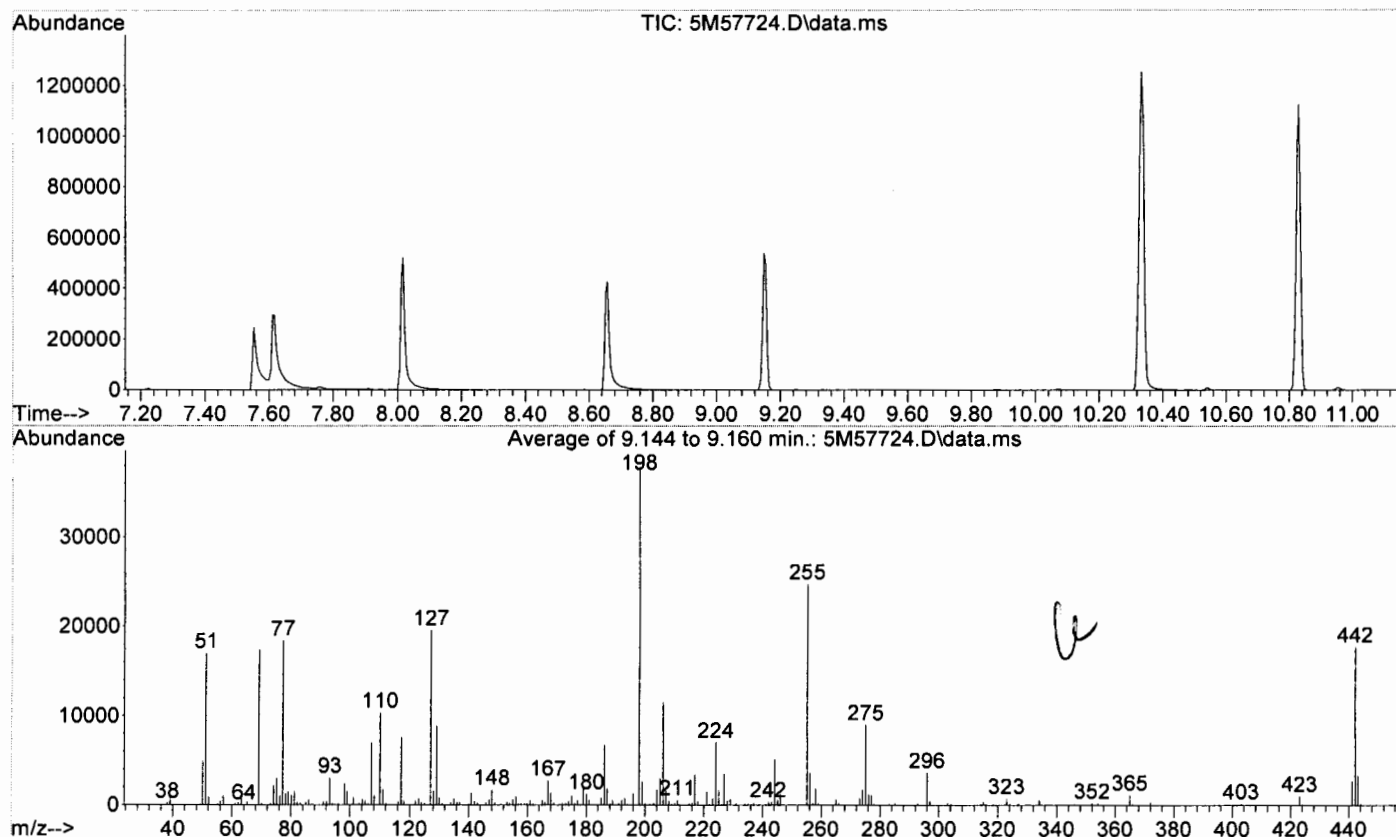
Tgt	Rel	Lo	Hi	Rel	Raw	Pass/
Mass	Mass	Lim	Lim	Abund	Abund	Fail
51	198	30	60	44.9	16968	PASS
68	69	0.00	2	0.2	43	PASS
69	198	0.00	100	46.0	17384	PASS
70	69	0.00	2	0.9	149	PASS
127	198	40	60	51.7	19552	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	37814	PASS
199	198	5	9	6.9	2592	PASS
275	198	10	30	23.8	8993	PASS
365	198	1	100	3.0	1136	PASS
441	443	0.01	100	82.6	2718	PASS
442	198	40	100	46.8	17682	PASS
443	442	17	23	18.6	3289	PASS

Data File	Sample Number	Analysis Date:
5M57725.D	CAL BNA@50PPM	05/11/10 16:02
5M57726.D	SMB4508	05/11/10 16:25
5M57727.D	SMB4509	05/11/10 16:47
5M57728.D	AC51350-005(20X)	05/11/10 17:10
5M57729.D	AC51350-007(25X)	05/11/10 17:32
5M57730.D	AC51370-006	05/11/10 17:54
5M57731.D	AC51370-007	05/11/10 18:16
5M57732.D	AC51522-001	05/11/10 18:39
5M57733.D	AC51526-004	05/11/10 19:02
5M57734.D	AC51517-001	05/11/10 19:24
5M57735.D	AC51387-001	05/11/10 19:46
5M57736.D	AC51387-003	05/11/10 20:09
5M57737.D	AC51387-005	05/11/10 20:31
5M57738.D	AC51352-001	05/11/10 20:53
5M57739.D	AC51352-002	05/11/10 21:16
5M57740.D	AC51354-001	05/11/10 21:38
5M57741.D	AC51354-002	05/11/10 22:00
5M57742.D	AC51432-001	05/11/10 22:22
5M57743.D	AC51432-003	05/11/10 22:45
5M57744.D	AC51423-001	05/11/10 23:07
5M57745.D	AC51342-018(10X)	05/11/10 23:30
5M57746.D	AC51342-020(10X)	05/11/10 23:52
5M57747.D	AC51421-001(5X)	05/12/10 00:15
5M57748.D	AC51447-003(10X)	05/12/10 00:37
5M57749.D	AC51447-004(5X)	05/12/10 00:59
5M57750.D	AC51351-005(3X)	05/12/10 01:21
5M57751.D	AC51351-006(3X)	05/12/10 01:44
5M57752.D	AC51351-007(3X)	05/12/10 02:06
5M57753.D	AC51351-013(3X)	05/12/10 02:28
5M57754.D	AC51351-014(3X)	05/12/10 02:51
5M57755.D	AC51351-015(3X)	05/12/10 03:13
5M57756.D	AC51351-008(5X)	05/12/10 03:36
5M57757.D	AC51351-009(5X)	05/12/10 03:58
5M57758.D	AC51351-010(5X)	05/12/10 04:20
5M57759.D	AC51351-012(5X)	05/12/10 04:43
5M57760.D	AC51387-004(20X)	05/12/10 05:05
5M57761.D	AC51387-002(50X)	05/12/10 05:27
5M57762.D	AC51387-006(50X)	05/12/10 05:50

Data Path : G:\GcMsData\2010\GCMS_5\Data\05-1110\
 Data File : 5M57724.D
 Acq On : 11 May 2010 15:40
 Operator : AHD
 Sample : CAL DFTPP
 Misc : A,BNA
 ALS Vial : 1 Sample Multiplier: 1

Integration File: LSCINT.P

Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0430.M
 Title : @GCMS_5,mg,625,8270
 Last Update : Fri Apr 30 12:48:21 2010



Spectrum Information: Average of 9.144 to 9.160 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	44.9	16968	PASS
68	69	0.00	2	0.2	43	PASS
69	198	0.00	100	46.0	17384	PASS
70	69	0.00	2	0.9	149	PASS
127	198	40	60	51.7	19552	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	37814	PASS
199	198	5	9	6.9	2592	PASS
275	198	10	30	23.8	8993	PASS
365	198	1	100	3.0	1136	PASS
441	443	0.01	100	82.6	2718	PASS
442	198	40	100	46.8	17682	PASS
443	442	17	23	18.6	3289	PASS

Form 5

Tune Name: CAL DFTPP

Data File: 5M57763.D

Instrument: GCMS 5

Analysis Date: 05/12/10 07:34

Method: EPA 8270C

Tune Scan/Time Range: Average of 9.144 to 9.149 min

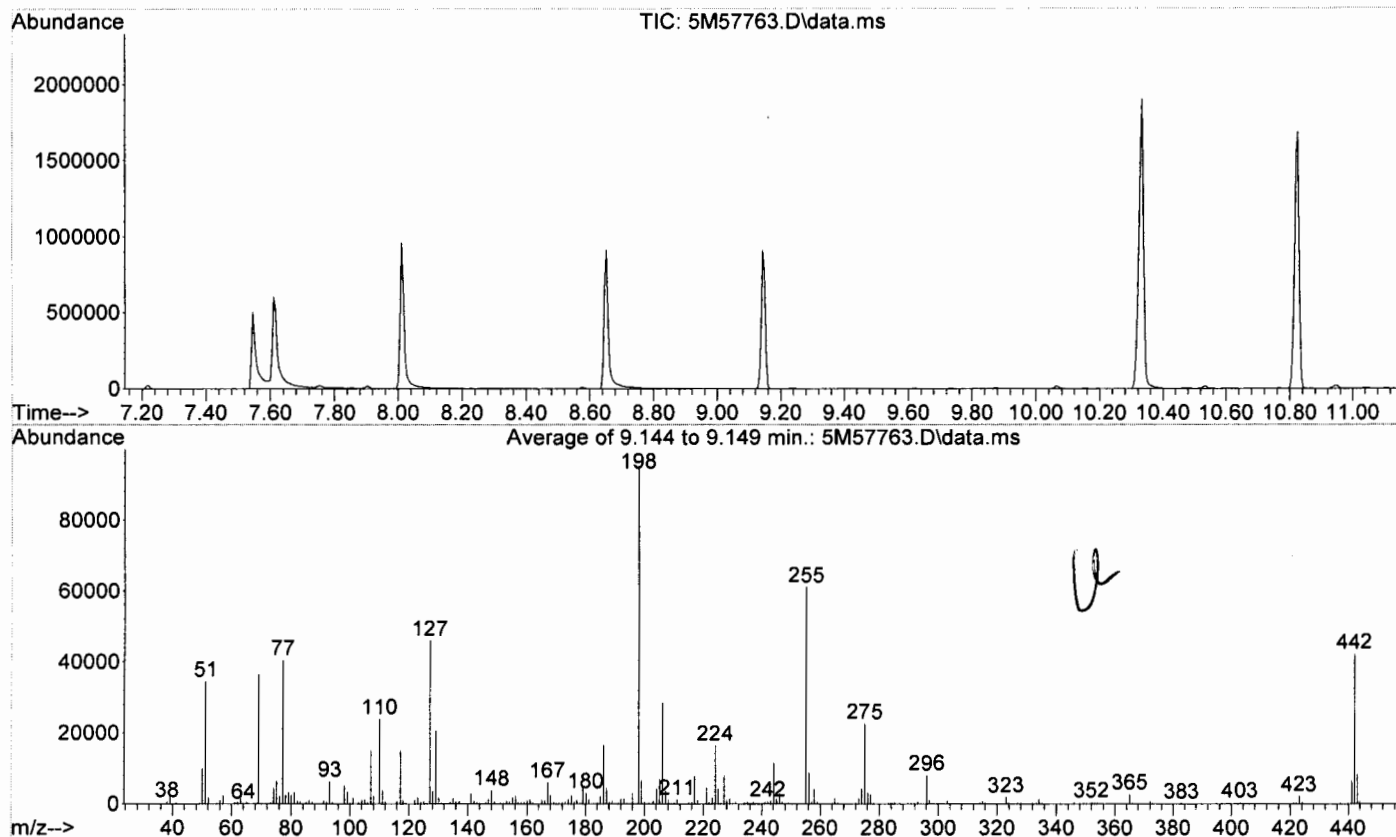
Tgt	Rel	Lo	Hi	Rel	Raw	Pass/
Mass	Mass	Lim	Lim	Abund	Abund	Fail
51	198	30	60	36.2	34496	PASS
68	69	0.00	2	0.8	294	PASS
69	198	0.00	100	38.4	36592	PASS
70	69	0.00	2	0.7	243	PASS
127	198	40	60	48.4	46064	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	95188	PASS
199	198	5	9	7.0	6654	PASS
275	198	10	30	23.7	22544	PASS
365	198	1	100	2.8	2703	PASS
441	443	0.01	100	78.3	6463	PASS
442	198	40	100	44.5	42332	PASS
443	442	17	23	19.5	8250	PASS

Data File	Sample Number	Analysis Date:
5M57764.D	BNA@50PPM	05/12/10 07:57
5M57765.D	CAL BNA@50PPM	05/12/10 09:00
5M57766.D	AC51367-004	05/12/10 09:27
5M57767.D	AC51448-006	05/12/10 09:56
5M57768.D	AC51448-007	05/12/10 10:26
5M57769.D	AC51314-008	05/12/10 10:48
5M57770.D	AC51455-002	05/12/10 11:11
5M57771.D	AC51455-006	05/12/10 11:33
5M57772.D	AC51387-001	05/12/10 11:56
5M57773.D	AC51387-005	05/12/10 12:18
5M57774.D	AC51352-001	05/12/10 12:41
5M57775.D	AC51432-001	05/12/10 13:03
5M57776.D	AC51432-003	05/12/10 13:25
5M57777.D	AC51455-002	05/12/10 13:48
5M57778.D	AC51455-006	05/12/10 14:10
5M57779.D	AC51387-003	05/12/10 14:33

Data Path : G:\GcMsData\2010\GCMS_5\Data\05-12-10\
 Data File : 5M57763.D
 Acq On : 12 May 2010 7:34
 Operator : AHD
 Sample : CAL DFTPP
 Misc : A,BNA
 ALS Vial : 1 Sample Multiplier: 1

Integration File: LSCINT.P

Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0430.M
 Title : @GCMS_5,mg,625,8270
 Last Update : Fri Apr 30 12:48:21 2010



Spectrum Information: Average of 9.144 to 9.149 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	36.2	34496	PASS
68	69	0.00	2	0.8	294	PASS
69	198	0.00	100	38.4	36592	PASS
70	69	0.00	2	0.7	243	PASS
127	198	40	60	48.4	46064	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	95188	PASS
199	198	5	9	7.0	6654	PASS
275	198	10	30	23.7	22544	PASS
365	198	1	100	2.8	2703	PASS
441	443	0.01	100	78.3	6463	PASS
442	198	40	100	44.5	42332	PASS
443	442	17	23	19.5	8250	PASS

Form 5

Tune Name: CAL DFTPP

Data File: 5M57782.D

Instrument: GCMS 5

Analysis Date: 05/12/10 17:50

Method: EPA 8270C

Tune Scan/Time Range: Scan 1377

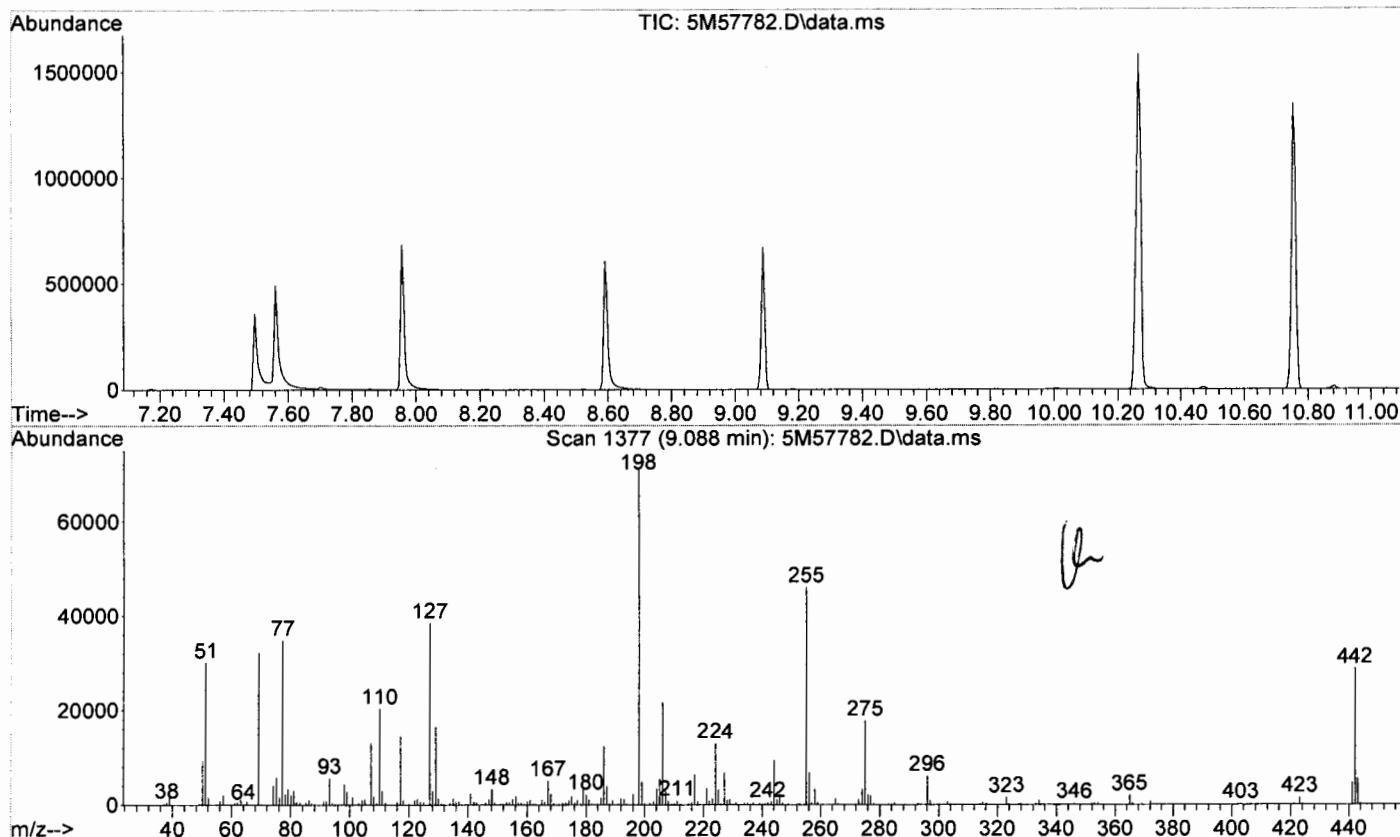
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	42.2	30144	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	45.2	32296	PASS
70	69	0.00	2	0.6	186	PASS
127	198	40	60	53.9	38544	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	71472	PASS
199	198	5	9	6.9	4903	PASS
275	198	10	30	24.8	17736	PASS
365	198	1	100	2.8	2013	PASS
441	443	0.01	100	83.4	4666	PASS
442	198	40	100	40.3	28800	PASS
443	442	17	23	19.4	5597	PASS

Data File	Sample Number	Analysis Date:
5M57783.D	CAL BNA@50PPM	05/12/10 18:45
5M57784.D	SMB4510	05/12/10 19:08
5M57785.D	AC51370-005	05/12/10 19:30
5M57786.D	AC51446-007	05/12/10 19:53
5M57787.D	AC51431-007	05/12/10 20:15
5M57788.D	AC51431-009	05/12/10 20:38
5M57789.D	AC51555-003	05/12/10 21:01
5M57790.D	AC51555-004	05/12/10 21:24
5M57791.D	AC51354-001(3X)	05/12/10 21:46
5M57792.D	AC51354-002(10X)	05/12/10 22:09
5M57793.D	AC51351-009(5X)	05/12/10 22:31
5M57794.D	AC51351-010(5X)	05/12/10 22:54
5M57795.D	AC51351-012(5X)	05/12/10 23:16
5M57796.D	AC51387-004(5X)	05/12/10 23:39
5M57797.D	AC51387-002(20X)	05/13/10 00:01
5M57798.D	AC51387-006(20X)	05/13/10 00:24
5M57799.D	AC51455-011(20X)	05/13/10 00:46
5M57800.D	AC51314-009(20X)	05/13/10 01:09
5M57801.D	AC51455-014(10X)	05/13/10 01:31
5M57802.D	AC51448-008(3X)	05/13/10 01:54
5M57803.D	AC51217-002(3X)	05/13/10 02:17
5M57804.D	AC51431-012(2X)	05/13/10 02:39
5M57805.D	AC51555-001(2X)	05/13/10 03:02
5M57806.D	AC51555-005(2X)	05/13/10 03:24
5M57807.D	AC51555-006(2X)	05/13/10 03:47
5M57808.D	AC51446-001(3X)	05/13/10 04:09
5M57809.D	AC51446-002(3X)	05/13/10 04:32
5M57810.D	AC51446-005(3X)	05/13/10 04:54
5M57811.D	AC51431-008(3X)	05/13/10 05:17
5M57812.D	AC51431-010(3X)	05/13/10 05:39
5M57813.D	AC51431-011(3X)	05/13/10 06:02
5M57814.D	AC51555-002(3X)	05/13/10 06:24

Data Path : G:\GcMsData\2010\GCMS_5\Data\05-1210\
Data File : 5M57782.D
Acq On : 12 May 2010 17:50
Operator : AHD
Sample : CAL DFTPP
Misc : A,BNA
ALS Vial : 1 Sample Multiplier: 1

Integration File: LSCINT.P

Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0430.M
Title : @GCMS_5,mg,625,8270
Last Update : Fri Apr 30 12:48:21 2010



Spectrum Information: Scan 1377

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	42.2	30144	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	45.2	32296	PASS
70	69	0.00	2	0.6	186	PASS
127	198	40	60	53.9	38544	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	71472	PASS
199	198	5	9	6.9	4903	PASS
275	198	10	30	24.8	17736	PASS
365	198	1	100	2.8	2013	PASS
441	443	0.01	100	83.4	4666	PASS
442	198	40	100	40.3	28800	PASS
443	442	17	23	19.4	5597	PASS

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: SMB4508

Client Id:

Data File: 5M57726.D

Analysis Date: 05/11/10 16:25

Date Rec/Extracted: NA-05/11/10

Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270C

Matrix: Soil

Initial Vol: 30g

Final Vol: 1ml

Dilution: 1

Solids: 100

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
120-82-1	1,2,4-Trichlorobenzene	0.067	U	191-24-2	Benzo[g,h,i]perylene	0.067	U
122-66-7	1,2-Diphenylhydrazine	0.067	U	207-08-9	Benzo[k]fluoranthene	0.067	U
95-95-4	2,4,5-Trichlorophenol	0.067	U	65-85-0	Benzoic Acid	0.33	U
88-06-2	2,4,6-Trichlorophenol	0.067	U	111-91-1	bis(2-Chloroethoxy)methan	0.067	U
120-83-2	2,4-Dichlorophenol	0.067	U	111-44-4	bis(2-Chloroethyl)ether	0.067	U
105-67-9	2,4-Dimethylphenol	0.067	U	108-60-1	bis(2-chloroisopropyl)ether	0.067	U
51-28-5	2,4-Dinitrophenol	0.33	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.067	U
121-14-2	2,4-Dinitrotoluene	0.067	U	85-68-7	Butylbenzylphthalate	0.067	U
606-20-2	2,6-Dinitrotoluene	0.067	U	86-74-8	Carbazole	0.067	U
91-58-7	2-Chloronaphthalene	0.067	U	218-01-9	Chrysene	0.067	U
95-57-8	2-Chlorophenol	0.067	U	53-70-3	Dibenzo[a,h]anthracene	0.067	U
91-57-6	2-Methylnaphthalene	0.067	U	132-64-9	Dibenzofuran	0.067	U
95-48-7	2-Methylphenol	0.067	U	84-66-2	Diethylphthalate	0.067	U
88-74-4	2-Nitroaniline	0.067	U	131-11-3	Dimethylphthalate	0.067	U
88-75-5	2-Nitrophenol	0.067	U	84-74-2	Di-n-butylphthalate	0.067	U
106-44-5	3&4-Methylphenol	0.067	U	117-84-0	Di-n-octylphthalate	0.067	U
91-94-1	3,3'-Dichlorobenzidine	0.067	U	206-44-0	Fluoranthene	0.067	U
99-09-2	3-Nitroaniline	0.067	U	86-73-7	Fluorene	0.067	U
534-52-1	4,6-Dinitro-2-methylphenol	0.33	U	118-74-1	Hexachlorobenzene	0.067	U
101-55-3	4-Bromophenyl-phenylether	0.067	U	87-68-3	Hexachlorobutadiene	0.067	U
59-50-7	4-Chloro-3-methylphenol	0.067	U	77-47-4	Hexachlorocyclopentadiene	0.33	U
106-47-8	4-Chloroaniline	0.067	U	67-72-1	Hexachloroethane	0.067	U
7005-72-3	4-Chlorophenyl-phenylether	0.067	U	193-39-5	Indeno[1,2,3-cd]pyrene	0.067	U
100-01-6	4-Nitroaniline	0.067	U	78-59-1	Isophorone	0.067	U
100-02-7	4-Nitrophenol	0.067	U	91-20-3	Naphthalene	0.067	U
83-32-9	Acenaphthene	0.067	U	98-95-3	Nitrobenzene	0.067	U
208-96-8	Acenaphthylene	0.067	U	62-75-9	N-Nitrosodimethylamine	0.067	U
62-53-3	Aniline	0.067	U	621-64-7	N-Nitroso-di-n-propylamine	0.067	U
120-12-7	Anthracene	0.067	U	86-30-6	n-Nitrosodiphenylamine	0.067	U
92-87-5	Benzidine	0.33	U	87-86-5	Pentachlorophenol	0.33	U
56-55-3	Benzo[a]anthracene	0.067	U	85-01-8	Phenanthrene	0.067	U
50-32-8	Benzo[a]pyrene	0.067	U	108-95-2	Phenol	0.067	U
205-99-2	Benzo[b]fluoranthene	0.067	U	129-00-0	Pyrene	0.067	U

Worksheet #: 151474

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

*U - Indicates the compound was analyzed but not detected.**B - Indicates the analyte was found in the blank as well as in the sample.**E - Indicates the analyte concentration exceeds the calibration range of the instrument.**R - Retention Time Out**J - Indicates an estimated value when a compound is detected at less than the specified detection limit.**d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.*

Form1eORGANICS SEMIVOLATILE REPORT
Tentatively Identified Compounds

Sample Number: SMB4508	Matrix: Soil
Client Id:	Initial Vol: 30g
Data File: 5M57726.D	Final Vol: 1ml
Analysis Date: 05/11/10 16:25	Dilution: 1
Date Rec/Extracted: NA-05/11/10	Solids: 100
	Method: EPA 8270C

Units: mg/Kg

	Cas #	Compound	RT	Conc
1	141-79-7	3-Penten-2-one, 4-methyl-	2.59	0.15 JA
2		unknown	3.13	0.55 J
3	123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.53	140 JA
4	123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.56	24 JA
5		unknown	4.26	0.78 J

Worksheet #: 151474

Total Tentatively Identified Concentration 170*A - Indicates an aldol condensate.**J - Indicates an estimated value.**B - Indicates the analyte was found in the blank as well as in the sample.**Y - Indicates the analyte was found in the blank at <10% of the concentration of the sample.**<10% - Indicates the analyte was found in the blank at < 10% of nearest Internal Standard*

Quantitation Report (QT/LSC Reviewed)

SampleID : SMB4508 Operator : AHD Qt Meth : 5M 0430.M
 Data File: 5M57726.D Sam Mult : 1 Vial# : 17 Qt On : 05/11/10 17:48
 Acq On : 05/11/10 16:25 Misc : S,BNA Qt Upd On: 04/30/10 12:48

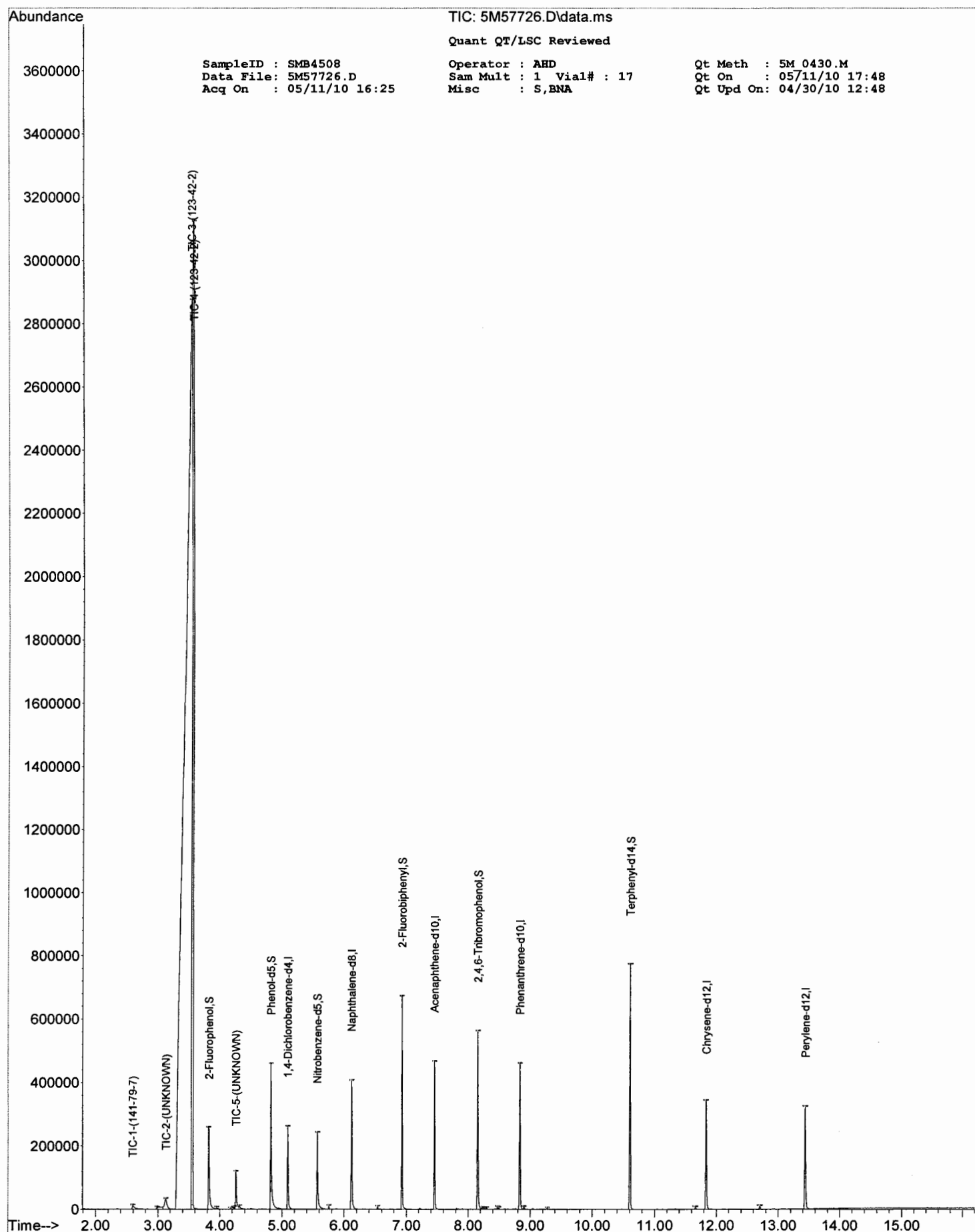
Data Path : G:\GcMsData\2010\GCMS_5\Data\05-1110\
 Qt Path : G:\GCMSDATA\2010\GCMS_5\METHODQT\
 Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.089	152	30418	40.00	ng	-0.17
29) Naphthalene-d8	6.120	136	130347	40.00	ng	-0.17
47) Acenaphthene-d10	7.456	164	82207	40.00	ng	-0.19
73) Phenanthrene-d10	8.834	188	152993	40.00	ng	-0.21
87) Chrysene-d12	11.836	240	137528	40.00	ng	-0.23
102) Perylene-d12	13.439	264	126310	40.00	ng	-0.22
System Monitoring Compounds						
10) 2-Fluorophenol	3.823	112	71014	76.40	ng	-0.18
Spiked Amount 100.000			Recovery =	76.40%		
15) Phenol-d5	4.817	99	127053	93.41	ng	-0.16
Spiked Amount 100.000			Recovery =	93.41%		
30) Nitrobenzene-d5	5.570	128	24922	47.81	ng	-0.16
Spiked Amount 50.000			Recovery =	95.62%		
52) 2-Fluorobiphenyl	6.927	172	144179	51.31	ng	-0.17
Spiked Amount 50.000			Recovery =	102.62%		
76) 2,4,6-Tribromophenol	8.155	330	39253	114.53	ng	-0.20
Spiked Amount 100.000			Recovery =	114.53%		
90) Terphenyl-d14	10.608	244	220152	58.52	ng	-0.22
Spiked Amount 50.000			Recovery =	117.04%		
Target Compounds						Qvalue
Library Search Internal Standards TIC Results						
1) 1,4-Dichlorobenzene-d4	5.089		220880	40.00	ng	--
2) Naphthalene-d8	6.120		278130m	40.00	ng	--
3) Acenaphthene-d10	7.456		383462	40.00	ng	--
4) Phenanthrene-d10	8.834		424614	40.00	ng	--
5) Chrysene-d12	11.831		349796	40.00	ng	--
6) Perylene-d12	13.439		302666	40.00	ng	--
Library Search Compounds						
1) 141-79-7	2.590		24764	4.48	ng	78
2) UNKNOWN	3.130		91421	16.56	ng	--
3) 123-42-2	3.530		23061872	4176.36	ng	42
4) 123-42-2	3.560		3986813	721.99	ng	33
5) UNKNOWN	4.260		128591	23.29	ng	--

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Ua



Data Path : G:\GcMsData\2010\GCMS_5\Data\05-1110\
 Data File : 5M57726.D
 Acq On : 11 May 2010 16:25
 Operator : AHD
 Sample : SMB4508
 Misc : S,BNA
 ALS Vial : 17 Sample Multiplier: 1

Integration Parameters: LSCINT.P

Integrator: RTE

Smoother: OFF

Sampling : 1

Start Thrs: 0.05

Stop Thrs : 0

Filtering: 5

Min Area: 500 Area counts

Max Peaks: 250

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 1

Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0430.M
 Title : @GCMS_5,mg,625,8270

Signal : TIC: 5M57726.D\data.ms

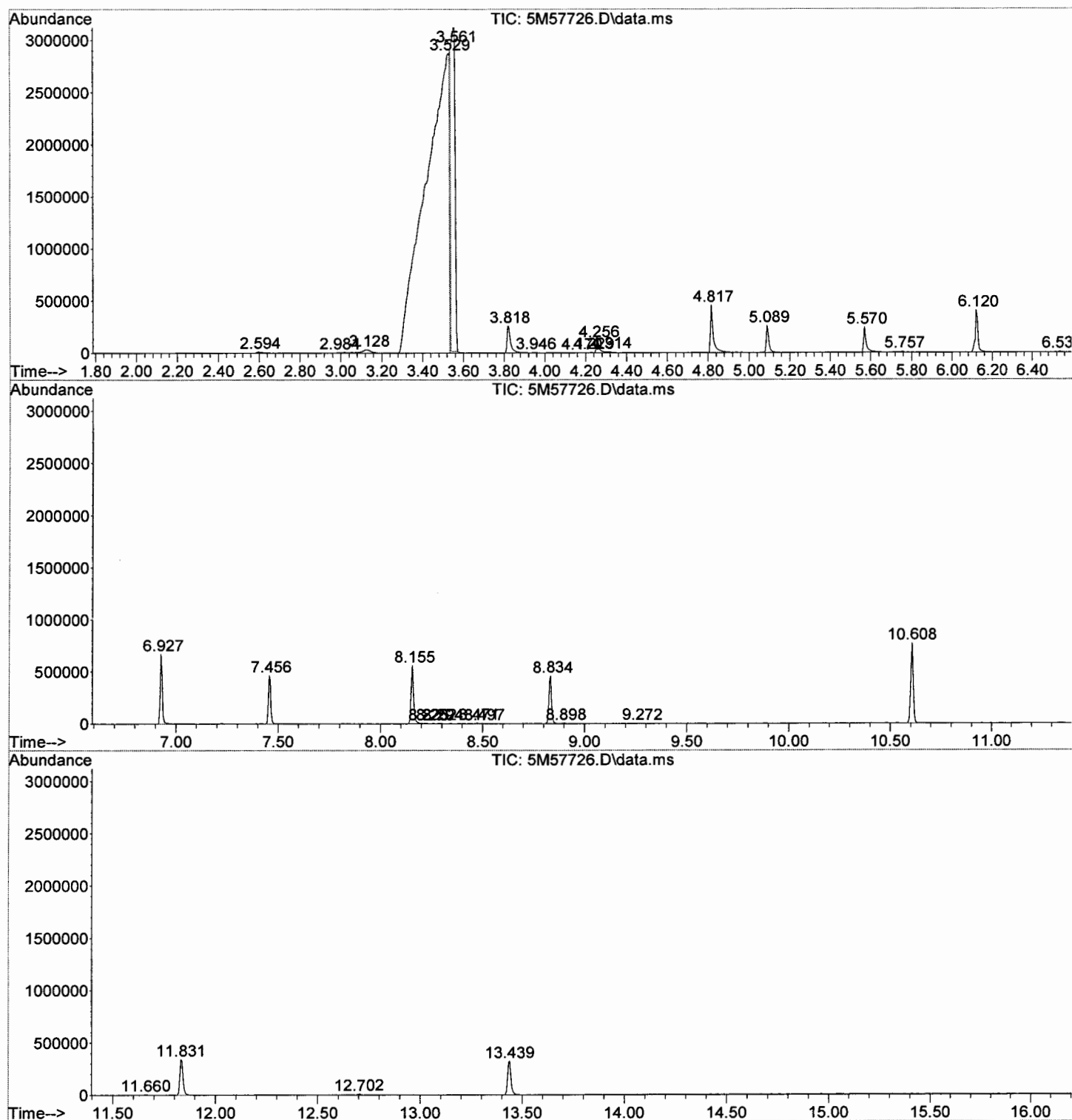
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.594	148	152	165	rBV	11059	24764	0.11%	0.077%
2	2.984	222	225	227	rBV2	4922	5408	0.02%	0.017%
3	3.128	243	252	267	rVB3	31444	91421	0.40%	0.285%
4	3.529	280	327	328	rBV	2874315	23061872	100.00%	71.884%
5	3.561	329	333	335	rVB	3107867	3986813	17.29%	12.427%
6	3.818	379	381	400	rBV	256945	311483	1.35%	0.971%
7	3.946	403	405	415	rVB3	4417	7420	0.03%	0.023%
8	4.170	443	447	453	rBV2	2073	3386	0.01%	0.011%
9	4.229	456	458	461	rBV	6419	4687	0.02%	0.015%
10	4.256	461	463	472	rVV	117761	128591	0.56%	0.401%
11	4.314	472	474	486	rVB	9189	14082	0.06%	0.044%
12	4.817	565	568	589	rBV	456639	432034	1.87%	1.347%
13	5.089	616	619	633	rBV	259227	220880	0.96%	0.688%
14	5.570	706	709	729	rBV	240831	217386	0.94%	0.678%
15	5.757	741	744	747	rVB	9513	5682	0.02%	0.018%
16	6.120	807	812	827	rBV2	404737	375640	1.63%	1.171%
17	6.537	888	890	893	rVB	7740	4513	0.02%	0.014%
18	6.927	960	963	974	rBV	670775	461939	2.00%	1.440%
19	7.456	1059	1062	1075	rBV	465096	383427	1.66%	1.195%
20	8.155	1189	1193	1204	rBV	559470	468629	2.03%	1.461%
21	8.225	1204	1206	1210	rVV2	4289	3374	0.01%	0.011%
22	8.262	1210	1213	1215	rVV	3813	3129	0.01%	0.010%
23	8.294	1215	1219	1226	rVB4	3503	5414	0.02%	0.017%
24	8.471	1249	1252	1255	rBV2	6806	5214	0.02%	0.016%
25	8.497	1255	1257	1260	rVB	4216	3399	0.01%	0.011%
26	8.834	1316	1320	1329	rBV	458484	424614	1.84%	1.324%
27	8.898	1329	1332	1336	rVB	6057	5672	0.02%	0.018%
28	9.272	1399	1402	1406	rBB	3116	3148	0.01%	0.010%
29	10.608	1647	1652	1664	rBB	771312	680339	2.95%	2.121%
30	11.660	1846	1849	1853	rBV	6219	5582	0.02%	0.017%
31	11.831	1877	1881	1892	rBV	342025	360302	1.56%	1.123%
32	12.702	2041	2044	2048	rVB	9224	9047	0.04%	0.028%
33	13.439	2177	2182	2196	rVB	321362	362921	1.57%	1.131%

Sum of corrected areas: 32082212

Data Path : G:\GcMsData\2010\GCMS_5\Data\05-1110\
Data File : 5M57726.D
Acq On : 11 May 2010 16:25
Operator : AHD
Sample : SMB4508
Misc : S,BNA
ALS Vial : 17 Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0430.M
Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P



Data Path : G:\GcMsData\2010\GCMS_5\Data\05-1110\
Data File : 5M57726.D
Acq On : 11 May 2010 16:25
Operator : AHD
Sample : SMB4508
Misc : S,BNA
ALS Vial : 17 Sample Multiplier: 1

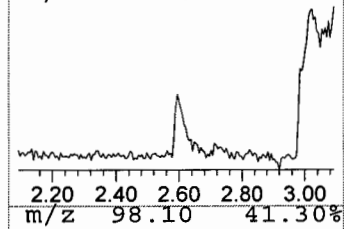
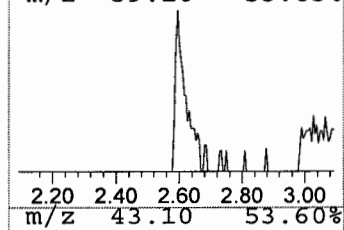
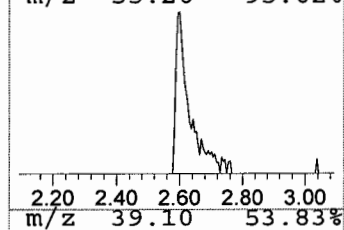
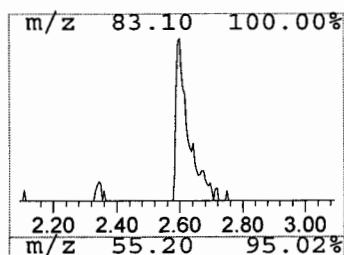
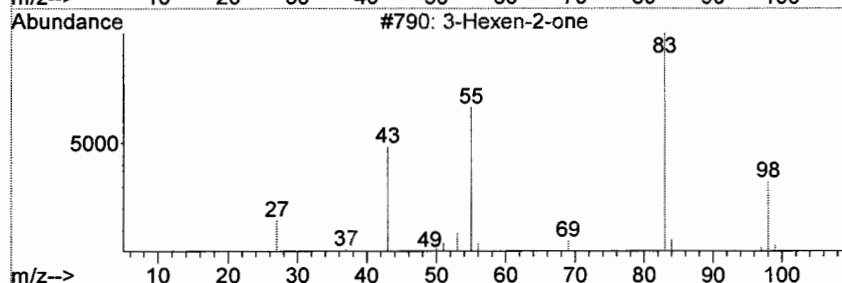
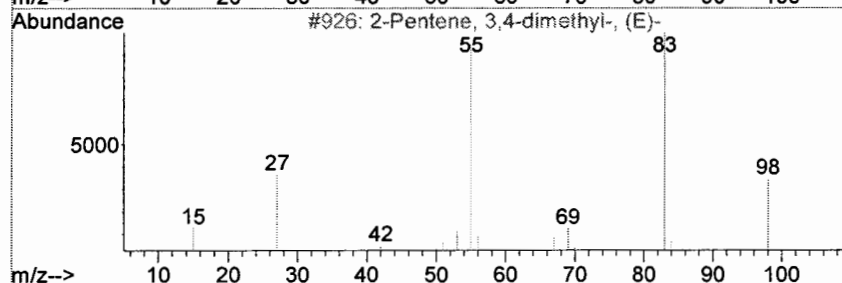
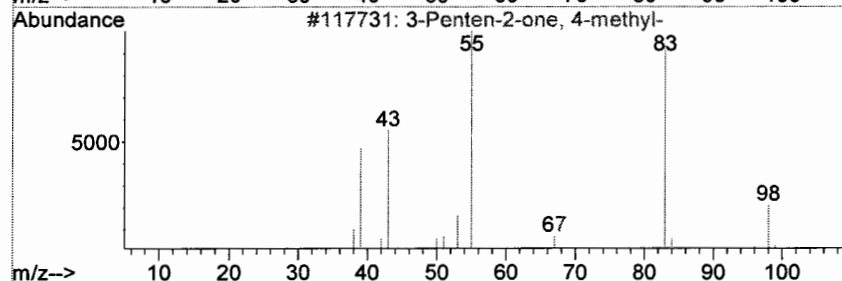
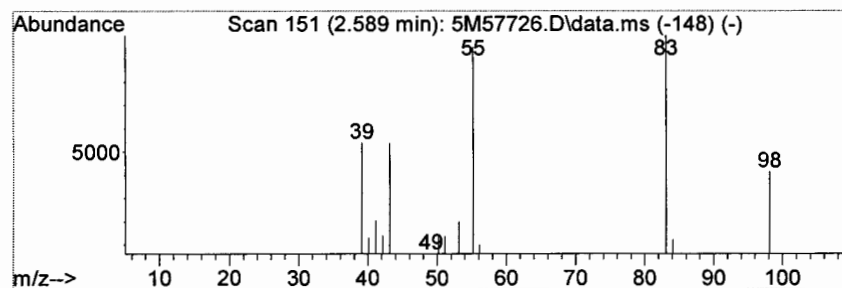
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Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 3-Penten-2-one, 4-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.59	4.48 ng	24764	LibIS-1,4-Dichlorobenzene-d4	5.09

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			3-Penten-2-one, 4-methyl-	98	C6H10O	000141-79-7	78
2			2-Pentene, 3,4-dimethyl-, (E)-	98	C7H14	004914-92-5	53
3			3-Hexen-2-one	98	C6H10O	000763-93-9	53
4			2-Pentene, 3,4-dimethyl-, (Z)-	98	C7H14	004914-91-4	50
5			2-Pentene, 2,3-dimethyl-	98	C7H14	010574-37-5	50



Data Path : G:\GCMSData\2010\GCMS_5\Data\05-1110\
Data File : 5M57726.D
Acq On : 11 May 2010 16:25
Operator : AHD
Sample : SMB4508
Misc : S,BNA
ALS Vial : 17 Sample Multiplier: 1

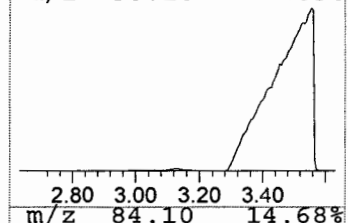
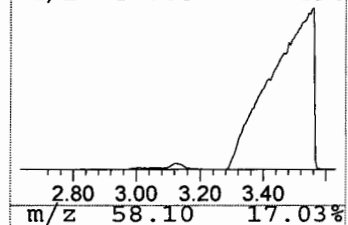
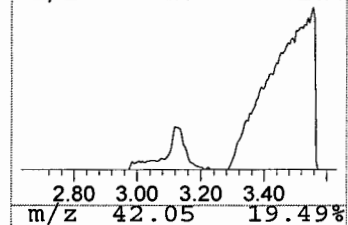
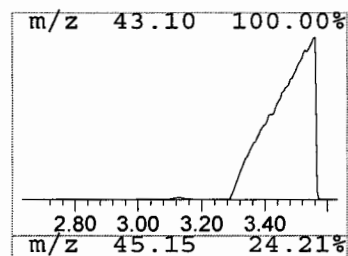
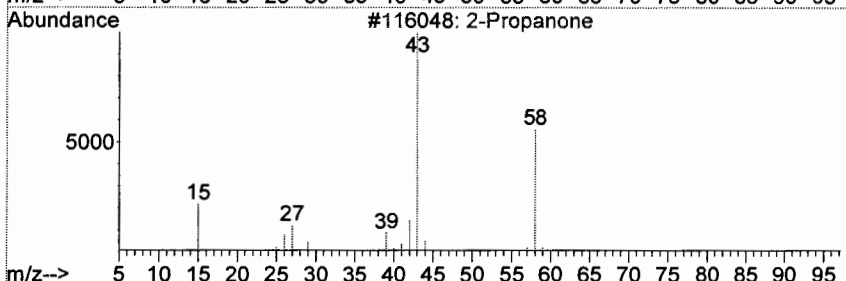
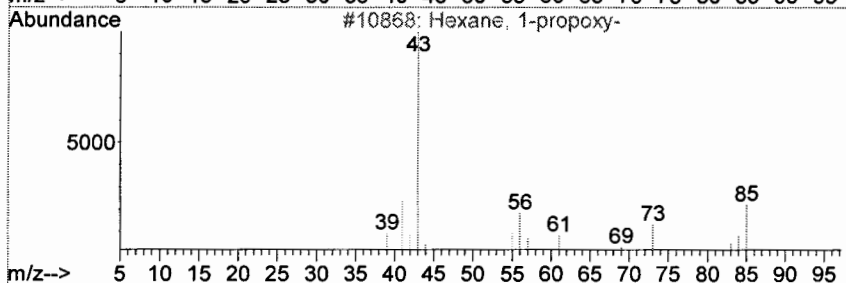
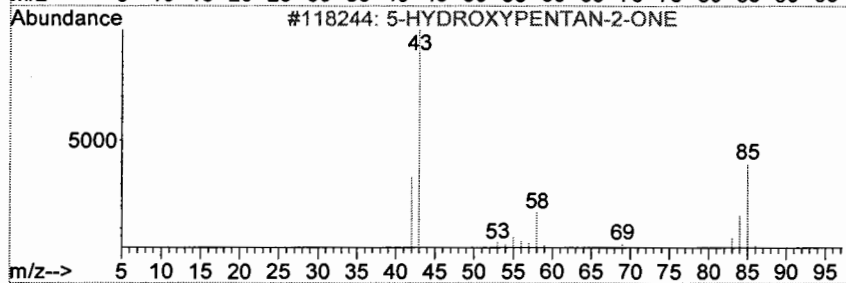
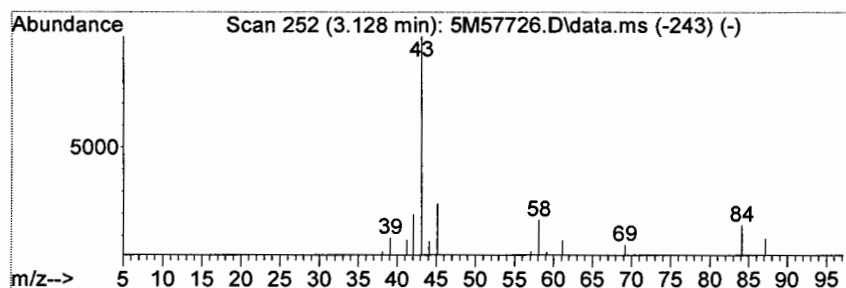
Quant Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0430.M
Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 unknown Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.13	16.56 ng	91421	LibIS-1,4-Dichlorobenzene-d4	5.09

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			5-HYDROXYPENTAN-2-ONE	102	C5H10O2	001071-73-4	9
2			Hexane, 1-propoxy-	144	C9H20O	053685-78-2	9
3			2-Propanone	58	C3H6O	000067-64-1	9
4			1-Pentanol, 2-methyl-	102	C6H14O	000105-30-6	9
5			Acetic acid, hexyl ester	144	C8H16O2	000142-92-7	9



Data Path : G:\GCMSData\2010\GCMS_5\Data\05-1110\
Data File : 5M57726.D
Acq On : 11 May 2010 16:25
Operator : AHD
Sample : SMB4508
Misc : S,BNA
ALS Vial : 17 Sample Multiplier: 1

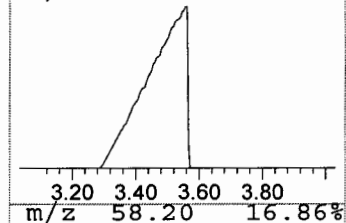
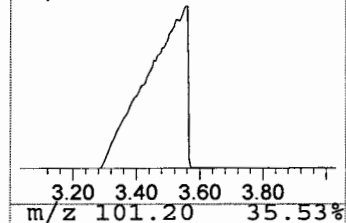
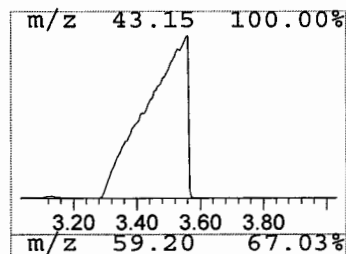
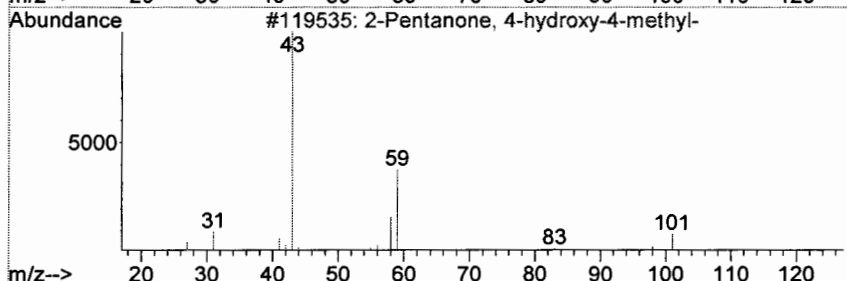
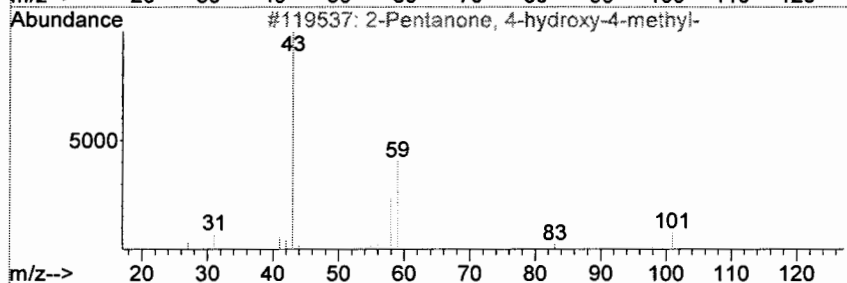
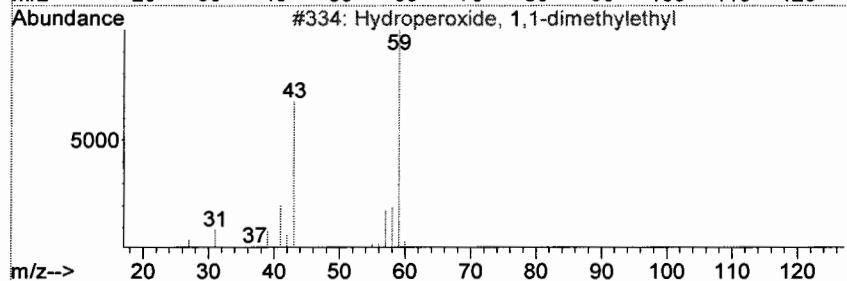
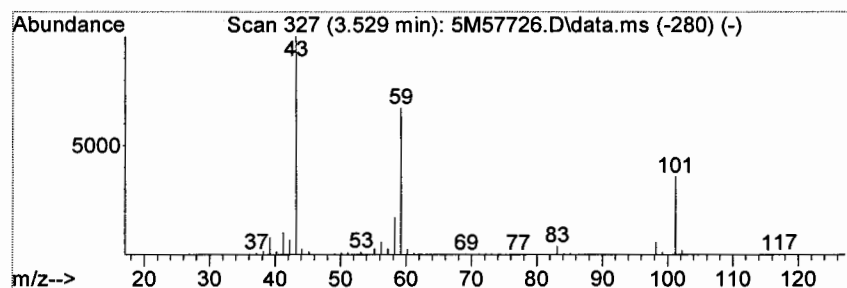
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Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.53	4176.36 ng	23061872	LibIS-1,4-Dichlorobenzene-d4	5.09

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hydroperoxide, 1,1-dimethylethyl	90	C4H10O2	000075-91-2	42
2			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	42
3			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	38
4			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	33
5			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	33



Data Path : G:\GcMsData\2010\GCMS_5\Data\05-1110\
Data File : 5M57726.D
Acq On : 11 May 2010 16:25
Operator : AHD
Sample : SMB4508
Misc : S,BNA
ALS Vial : 17 Sample Multiplier: 1

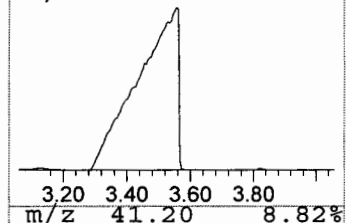
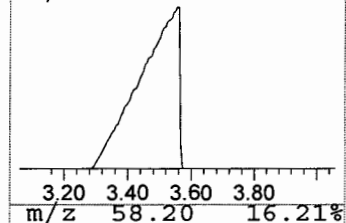
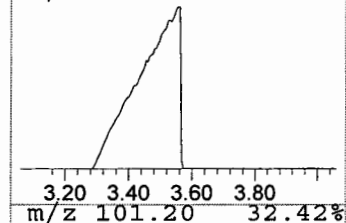
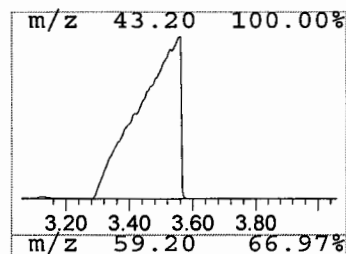
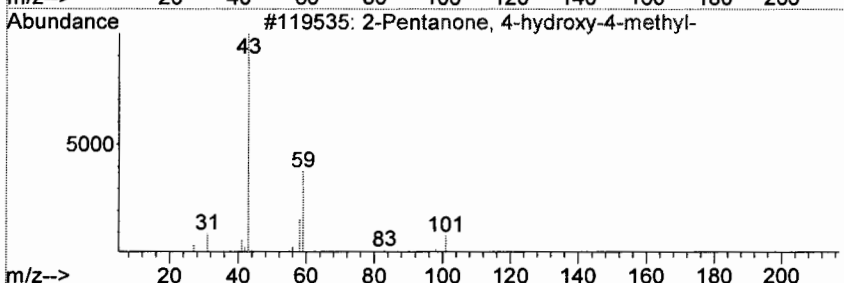
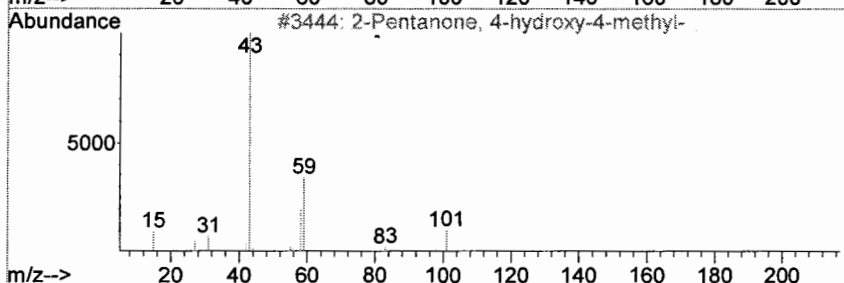
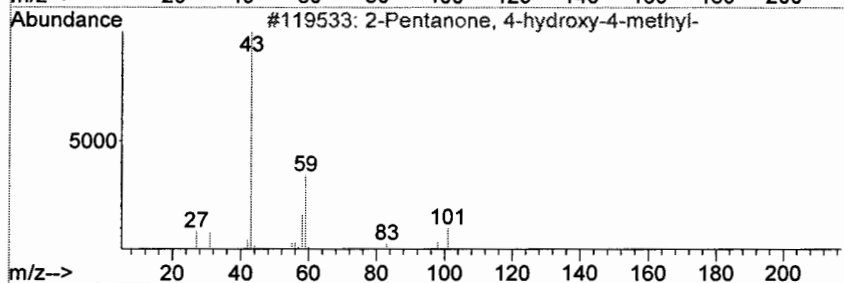
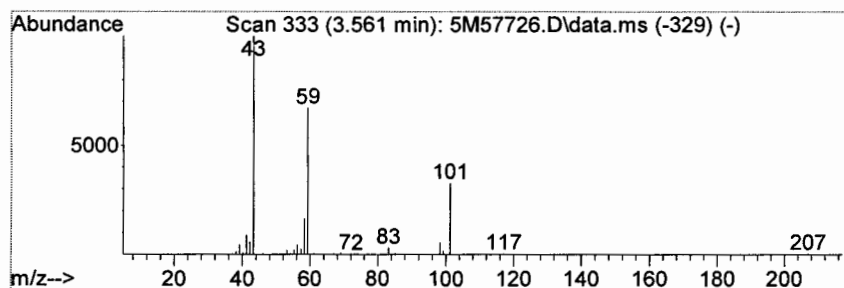
Quant Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0430.M
Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.56	721.99 ng	3986813	LibIS-1,4-Dichlorobenzene-d4	5.09

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	33
2			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	28
3			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	28
4			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	9
5			BUTAN-3-ENOIC ACID METHYL ESTER	100	C5H8O2	000000-00-0	9



Library Search Compound Report

Data Path : G:\GcMsData\2010\GCMS_5\Data\05-1110\
 Data File : 5M57726.D
 Acq On : 11 May 2010 16:25
 Operator : AHD
 Sample : SMB4508
 Misc : S,BNA
 ALS Vial : 17 Sample Multiplier: 1

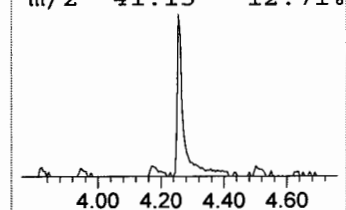
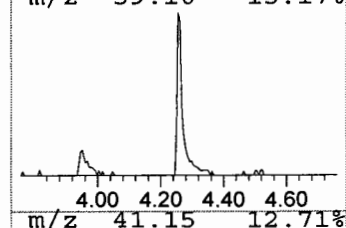
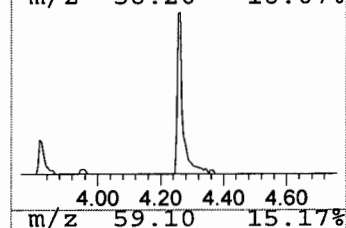
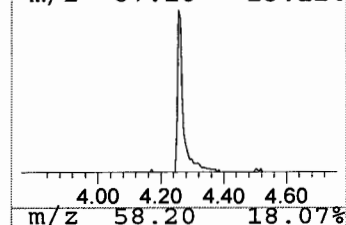
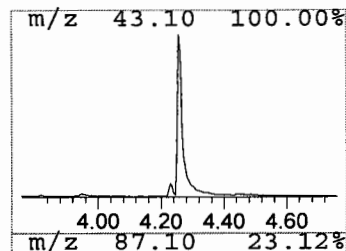
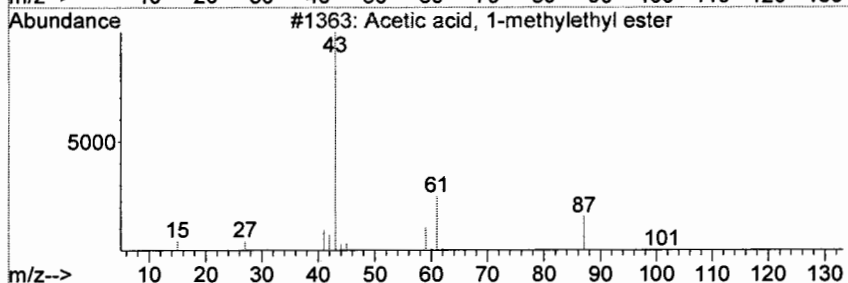
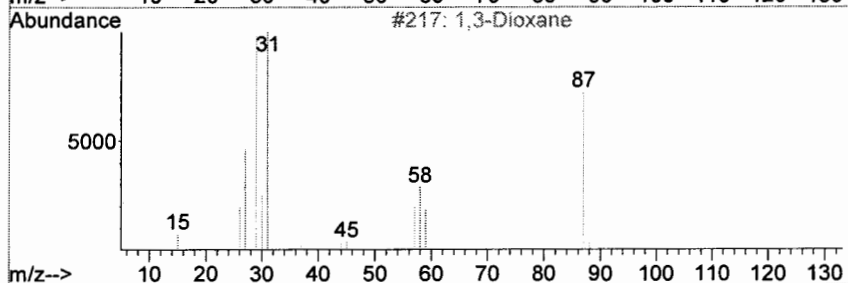
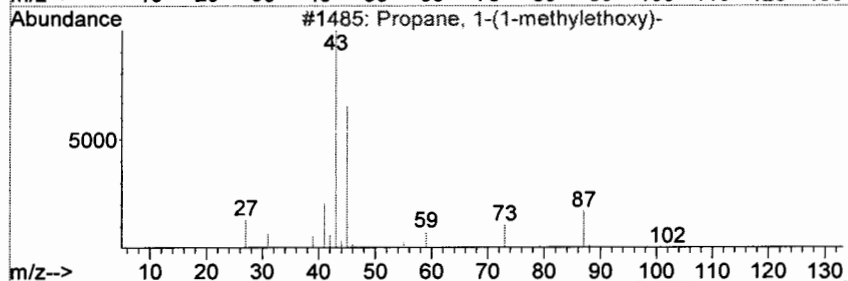
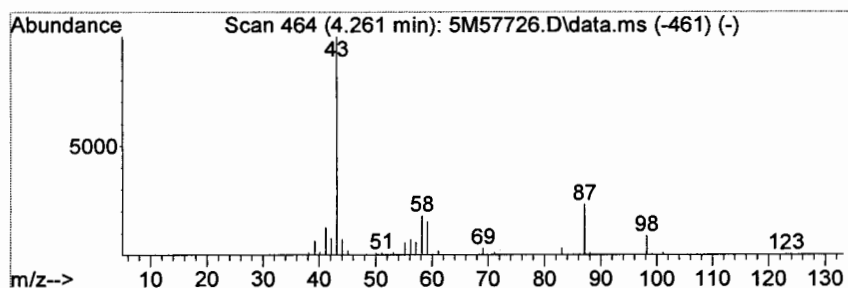
Quant Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0430.M
 Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 5 unknown Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.26	23.29 ng	128591	LibIS-1,4-Dichlorobenzene-d4	5.09

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Propane, 1-(1-methylethoxy)-	102	C6H14O	000627-08-7	38
2			1,3-Dioxane	88	C4H8O2	000505-22-6	32
3			Acetic acid, 1-methylethyl ester	102	C5H10O2	000108-21-4	28
4			1,3-Dioxolane-2-methanol, 2,4-di...	132	C6H12O3	053951-43-2	28
5			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	12



Data Path : G:\GcMsData\2010\GCMS_5\Data\05-1110\
Data File : 5M57726.D
Acq On : 11 May 2010 16:25
Operator : AHD
Sample : SMB4508
Misc : S,BNA
ALS Vial : 17 Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2010\GCMS_5\METHODQT\5M_0430.M
Quant Title : @GCMS_5,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	-----Internal Standard-----				
					#	ExpRT	ActRt	Resp	Conc
3-Penten-2-one, 4...	2.59	4.5	ng	24764	1	5.09	5.09	220880	40.0
unknown	3.13	16.6	ng	91421	1	5.09	5.09	220880	40.0
2-Pentanone, 4-hy...	3.53	4176.4	ng	23061872	1	5.09	5.09	220880	40.0
2-Pentanone, 4-hy...	3.56	722.0	ng	3986813	1	5.09	5.09	220880	40.0
unknown	4.26	23.3	ng	128591	1	5.09	5.09	220880	40.0

FORM 3

Spike Recovery

Batch Number: SMB4508

Mbs File: 9M25176.D

Mbs Date: 05/11/10 17:29

Mbs Name: SMB4508(MS)

Non Spk'd File: 9M25197.D

Non Spk'd Date: 05/12/10 01:24

Ns Name: AC51370-002

Spike File: 9M25198.D

Spike Date: 05/12/10 01:47

Ms Name: AC51370-002(MS)

Spike Dup File: 9M25199.D

Spike Dup Date: 05/12/10 02:10

Msd Name: AC51370-002(MSD)

Matrix: Soil

Method: EPA 8270C

Compound	C#	Co	Mr	Conc Exp	Lo Lim	Hi Lim	Rpd Lim	Mbs Conc	Sample Conc	Spike Conc	Spike Dup Conc	Mbs Rec	MS Rec	Msd Rec	Rpd
Phenol	16	1	0	100	35	130	31	94.92	0.00	78.66	88.55	95	79	89	12
2-Chlorophenol	17	1	0	100	43	131	32	92.05	0.00	78.28	92.55	92	78	93	17
1,4-Dichlorobenzene	20	1	0	50	26	128	41	44.52	0.00	36.52	46.68	89	73	93	24
2-Methylphenol	24	1	0	100	40	137	32	95.30	0.00	80.85	91.92	95	81	92	13
N-Nitroso-di-n-propyla	27	1	0	50	23	147	39	46.45	0.00	38.89	45.90	93	78	92	17
2,4-Dimethylphenol	34	1	0	100	47	135	32	92.94	0.00	84.82	91.58	93	85	92	7.7
1,2,4-Trichlorobenzen	38	1	0	50	40	129	39	43.85	0.00	39.04	43.08	88	78	86	9.8
Naphthalene	39	1	0	50	44	132	41	47.80	0.00	40.93	45.88	96	82	92	11
4-Chloro-3-methylphe	43	1	0	100	45	142	32	99.92	0.00	87.86	96.03	100	88	96	8.9
Acenaphthene	61	1	0	50	47	137	58	50.66	0.00	45.09	47.93	101	90	96	6.1
2,4-Dinitrotoluene	65	1	0	50	30	139	47	46.60	0.00	43.81	45.18	93	88	90	3.1
4-Nitrophenol	66	1	0	100	35	146	36	95.66	0.00	78.35	90.33	96	78	90	14
Fluorene	68	1	0	50	42	135	43	52.64	0.00	47.10	48.19	105	94	96	2.3
Pentachlorophenol	81	1	0	100	38	132	37	116.29	0.00	98.84	110.49	116	99	110	11
Pyrene	88	1	0	50	45	167	53	48.51	0.00	42.13	45.98	97	84	92	8.7
Butylbenzylphthalate	94	1	0	50	45	157	40	49.71	0.00	48.42	50.45	99	97	101	4.1

Note:

Rp = Failed Rpd Criteria

Mo = Failed Recovery Criteria

^ - Both Ms and Msd Recoveries = 0 ... no valid information can be calculated

SampleID : SMB4508(MS)
 Data File: 9M25176.D
 Acq On : 05/11/10 17:29

Operator : AHD
 Sam Mult : 1 Vial# : 20
 Misc : S,BNA

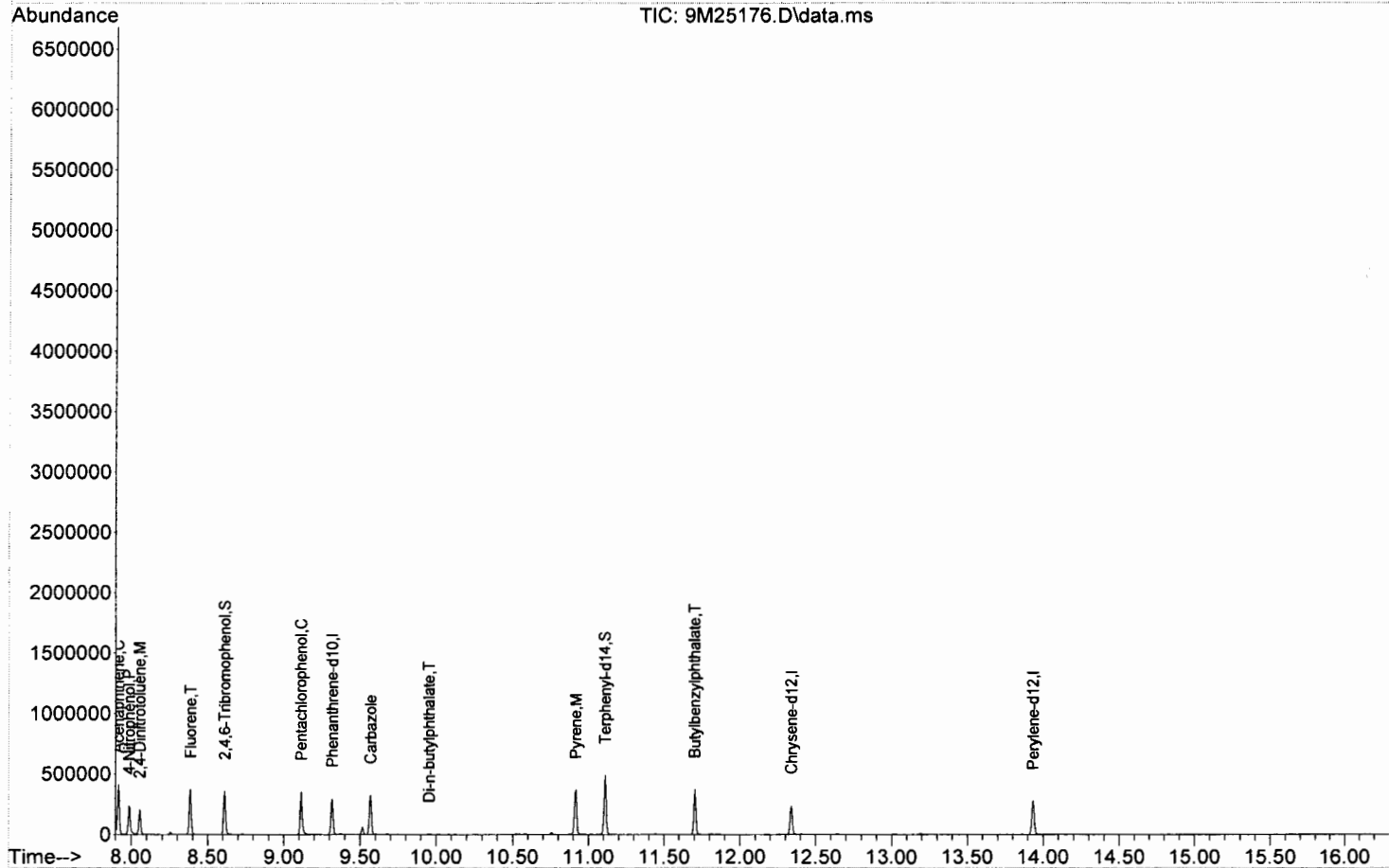
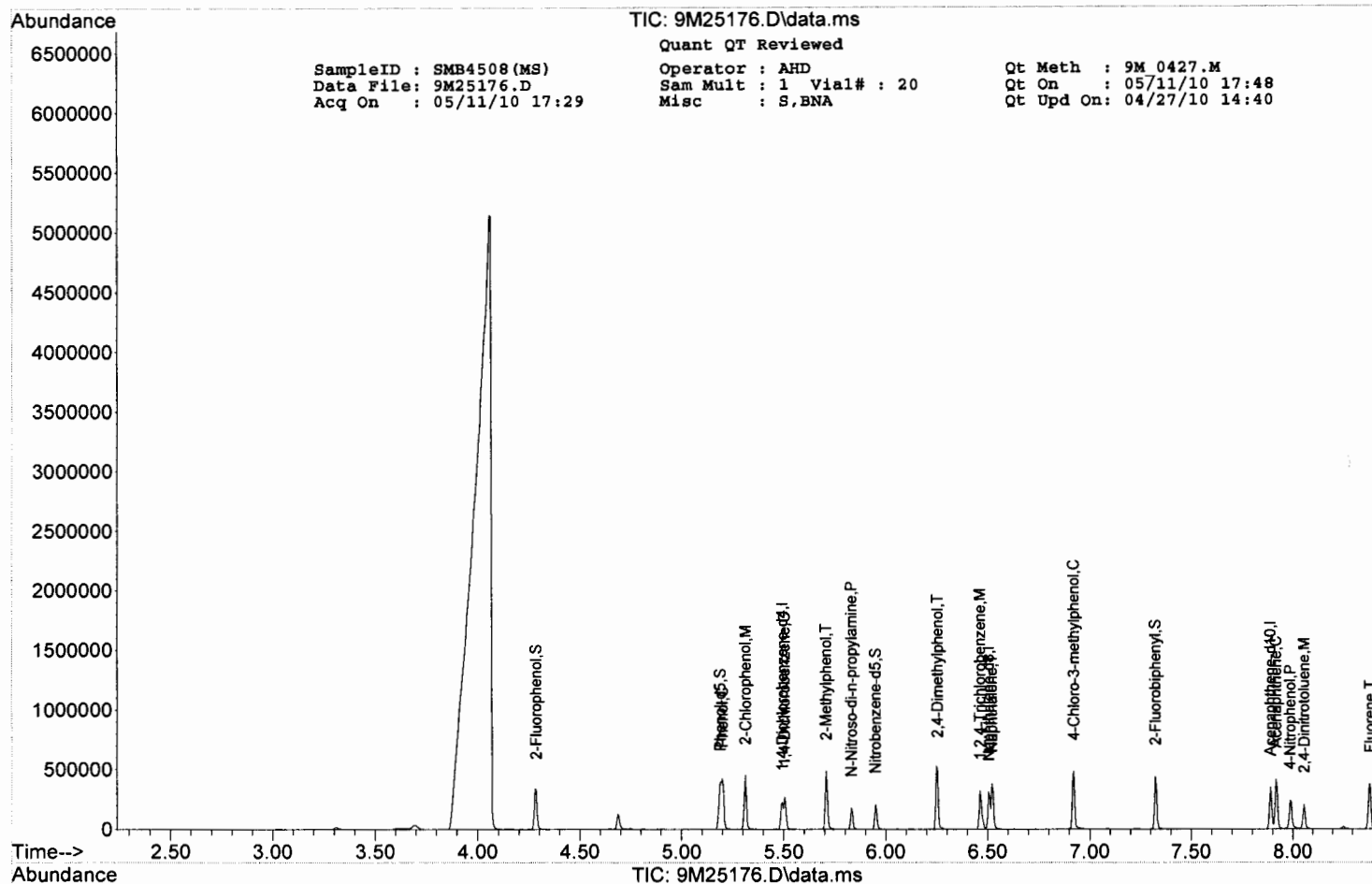
Qt Meth : 9M_0427.M
 Qt On : 05/11/10 17:48
 Qt Upd On: 04/27/10 14:40

Data Path : G:\GCMSData\2010\GCMS_9\Data\05-1110\
 Qt Path : G:\GCMSDATA\2010\GCMS_9\METHODQT\
 Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.494	152	27419	40.00	ng	-0.03
29) Naphthalene-d8	6.505	136	104138	40.00	ng	-0.04
47) Acenaphthene-d10	7.890	164	57948	40.00	ng	-0.04
73) Phenanthrene-d10	9.318	188	93713	40.00	ng	-0.04
87) Chrysene-d12	12.340	240	89454	40.00	ng	-0.05
102) Perylene-d12	13.934	264	98117	40.00	ng	-0.05
System Monitoring Compounds						
10) 2-Fluorophenol	4.285	112	82680	108.42	ng	-0.01
Spiked Amount 100.000			Recovery	=	108.42%	
15) Phenol-d5	5.189	99	105616	110.59	ng	-0.03
Spiked Amount 100.000			Recovery	=	110.59%	
30) Nitrobenzene-d5	5.949	128	23379	51.15	ng	-0.03
Spiked Amount 50.000			Recovery	=	102.30%	
52) 2-Fluorobiphenyl	7.323	172	106267	55.54	ng	-0.04
Spiked Amount 50.000			Recovery	=	111.08%	
76) 2,4,6-Tribromophenol	8.612	330	27655	175.04	ng	-0.04
Spiked Amount 100.000			Recovery	=	175.04%	
90) Terphenyl-d14	11.110	244	140685	56.80	ng	-0.04
Spiked Amount 50.000			Recovery	=	113.60%	
Target Compounds						
16) Phenol	5.200	94	95448	94.92	ng	98
17) 2-Chlorophenol	5.312	128	85037	92.05	ng	74
20) 1,4-Dichlorobenzene	5.505	146	45645	44.52	ng	97
24) 2-Methylphenol	5.708	108	71555	95.30	ng	100
27) N-Nitroso-di-n-propyla...	5.831	70	30777	46.45	ng	76
34) 2,4-Dimethylphenol	6.254	107	88439	92.94	ng	99
38) 1,2,4-Trichlorobenzene	6.462	180	40101	43.85	ng	100
39) Naphthalene	6.521	128	130416	47.80	ng	98
43) 4-Chloro-3-methylphenol	6.922	107	76400	99.92	ng	82
61) Acenaphthene	7.917	153	87498	50.66	ng	89
65) 2,4-Dinitrotoluene	8.056	165	28278	46.60	ng	74
66) 4-Nitrophenol	7.987	65	32502	95.66	ng	67
68) Fluorene	8.388	166	101389	52.64	ng	98
81) Pentachlorophenol	9.115	266	33575	116.29	ng	93
84) Carbazole	9.570	167	130186	49.17	ng	98
85) Di-n-butylphthalate	9.955	149	3703	1.08	ng	89
88) Pyrene	10.918	202	161966	48.51	ng	81
94) Butylbenzylphthalate	11.704	149	78120	49.71	ng	77

(#) = qualifier out of range (m) = manual integration (+) = signals summed

R



SampleID : AC51370-002
 Data File: 9M25197.D
 Acq On : 05/12/10 01:24

Operator : AHD
 Sam Mult : 1 Vial# : 41
 Misc : S,BNA

Qt Meth : 9M_0427.M
 Qt On : 05/12/10 06:39
 Qt Upd On: 04/27/10 14:40

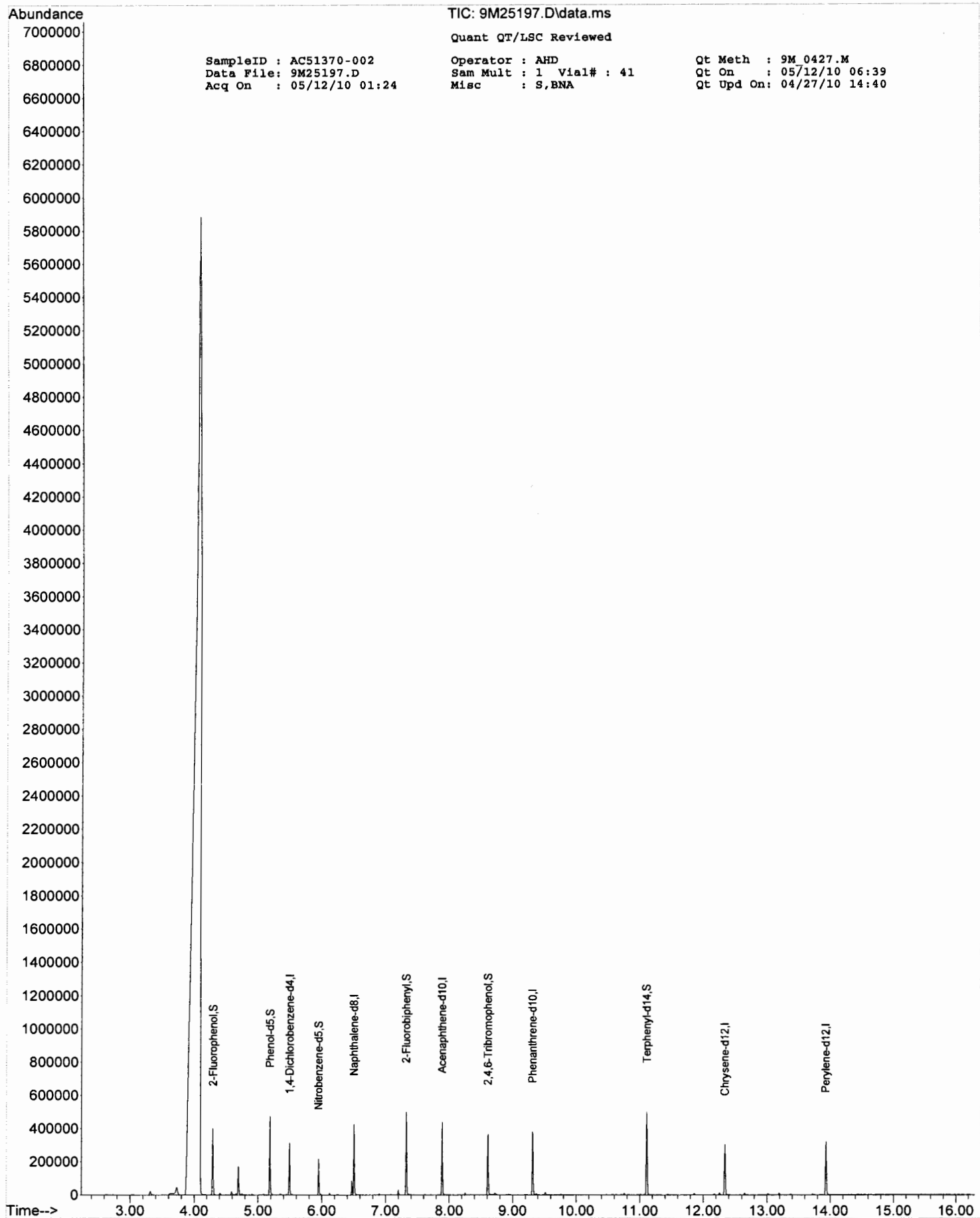
Data Path : G:\GCMSData\2010\GCMS_9\Data\05-1110\
 Qt Path : G:\GCMSDATA\2010\GCMS_9\METHODQT\
 Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.494	152	36220	40.00	ng	-0.03
29) Naphthalene-d8	6.505	136	136264	40.00	ng	-0.04
47) Acenaphthene-d10	7.890	164	77654	40.00	ng	-0.04
73) Phenanthrene-d10	9.313	188	124578	40.00	ng	-0.05
87) Chrysene-d12	12.340	240	109718	40.00	ng	-0.05
102) Perylene-d12	13.934	264	113910	40.00	ng	-0.05
System Monitoring Compounds						
10) 2-Fluorophenol	4.296	112	92105	91.43	ng	0.00
Spiked Amount 100.000			Recovery =	91.43%		
15) Phenol-d5	5.189	99	119691	94.88	ng	-0.03
Spiked Amount 100.000			Recovery =	94.88%		
30) Nitrobenzene-d5	5.949	128	25575	42.76	ng	-0.03
Spiked Amount 50.000			Recovery =	85.52%		
52) 2-Fluorobiphenyl	7.323	172	115899	45.20	ng	-0.04
Spiked Amount 50.000			Recovery =	90.40%		
76) 2,4,6-Tribromophenol	8.612	330	28770	136.98	ng	-0.04
Spiked Amount 100.000			Recovery =	136.98%		
90) Terphenyl-d14	11.110	244	150522	49.55	ng	-0.04
Spiked Amount 50.000			Recovery =	99.10%		

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

la



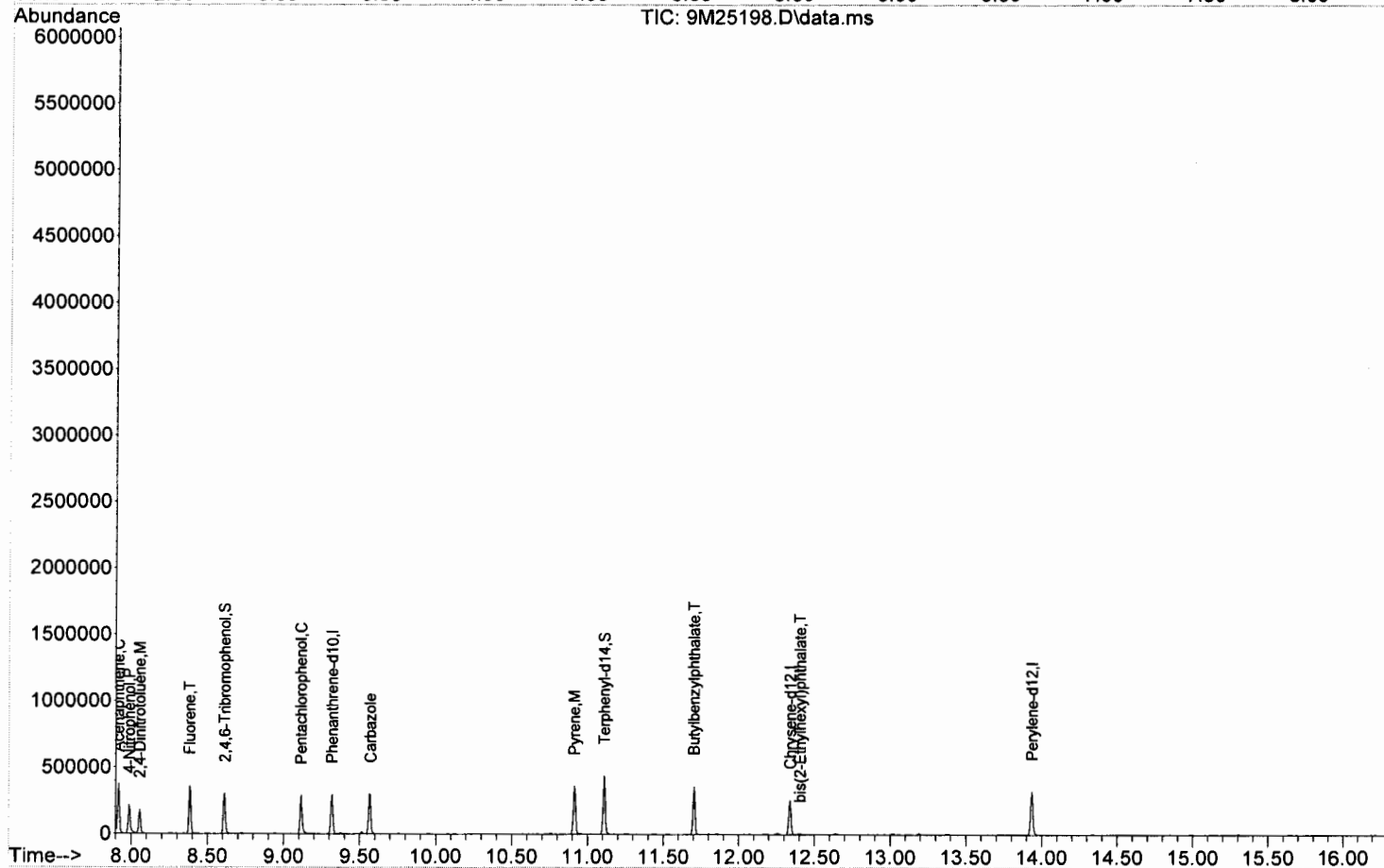
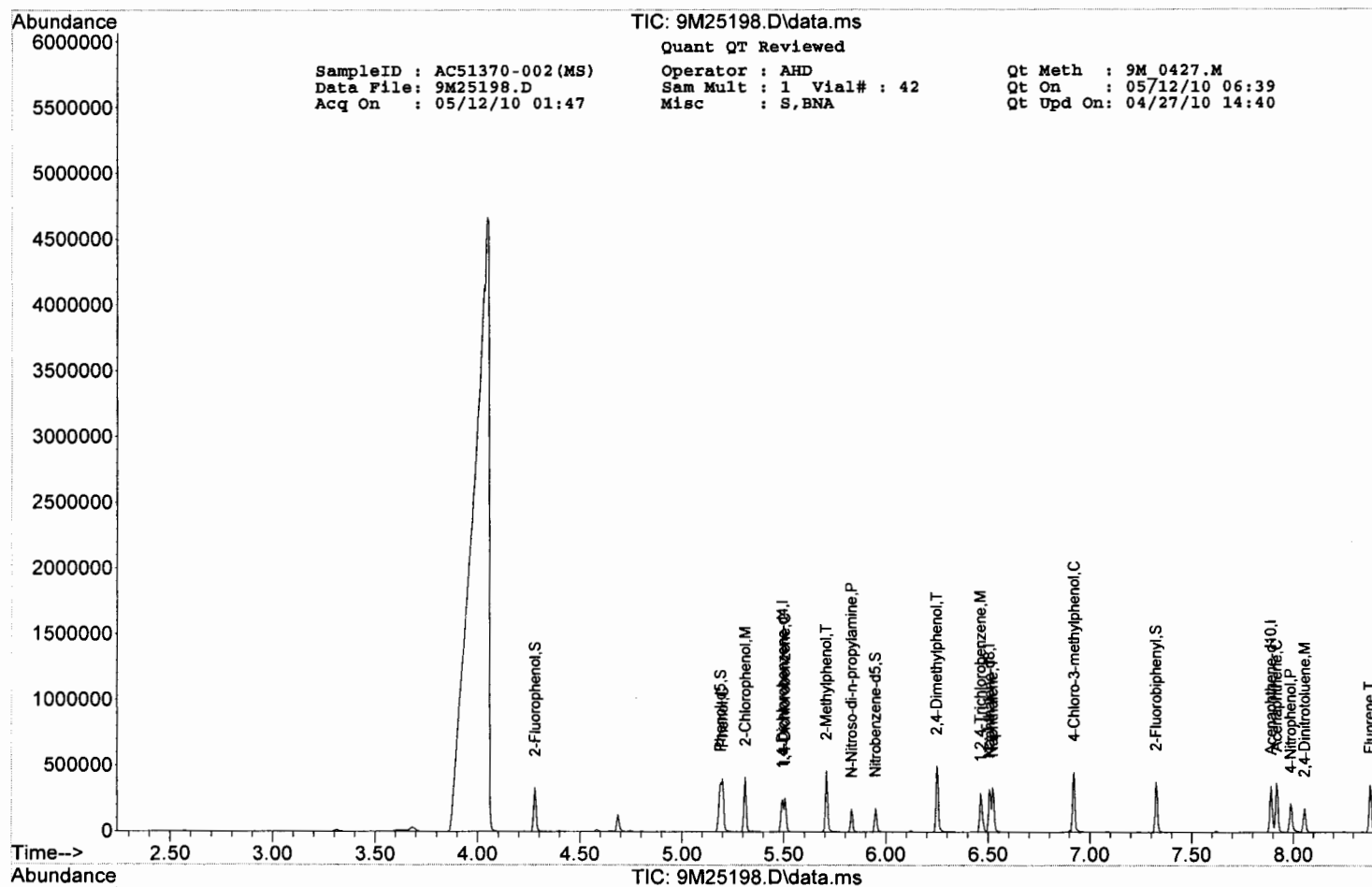
SampleID : AC51370-002(MS) Operator : AHD Qt Meth : 9M_0427.M
 Data File: 9M25198.D Sam Mult : 1 Vial# : 42 Qt On : 05/12/10 06:39
 Acq On : 05/12/10 01:47 Misc : S,BNA Qt Upd On: 04/27/10 14:40

Data Path : G:\GcMsData\2010\GCMS_9\Data\05-1110\
 Qt Path : G:\GCMSDATA\2010\GCMS_9\METHODQT\
 Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.494	152	30367	40.00	ng	-0.03
29) Naphthalene-d8	6.505	136	108993	40.00	ng	-0.04
47) Acenaphthene-d10	7.890	164	58923	40.00	ng	-0.04
73) Phenanthrene-d10	9.318	188	96916	40.00	ng	-0.04
87) Chrysene-d12	12.340	240	93303	40.00	ng	-0.05
102) Perylene-d12	13.934	264	112078	40.00	ng	-0.05
System Monitoring Compounds						
10) 2-Fluorophenol	4.280	112	72050	85.31	ng	-0.02
Spiked Amount 100.000			Recovery =	85.31%		
15) Phenol-d5	5.189	99	94282	89.14	ng	-0.03
Spiked Amount 100.000			Recovery =	89.14%		
30) Nitrobenzene-d5	5.949	128	20764	43.41	ng	-0.03
Spiked Amount 50.000			Recovery =	86.82%		
52) 2-Fluorobiphenyl	7.323	172	93100	47.85	ng	-0.04
Spiked Amount 50.000			Recovery =	95.70%		
76) 2,4,6-Tribromophenol	8.612	330	23905	146.30	ng	-0.04
Spiked Amount 100.000			Recovery =	146.30%		
90) Terphenyl-d14	11.110	244	122599	47.46	ng	-0.04
Spiked Amount 50.000			Recovery =	94.92%		
Target Compounds						
16) Phenol	5.200	94	87595	78.66	ng	93
17) 2-Chlorophenol	5.312	128	80097	78.28	ng	77
20) 1,4-Dichlorobenzene	5.505	146	41463	36.52	ng	93
24) 2-Methylphenol	5.708	108	67236	80.85	ng	97
27) N-Nitroso-di-n-propyla...	5.831	70	28541	38.89	ng	80
34) 2,4-Dimethylphenol	6.248	107	84478	84.82	ng	97
38) 1,2,4-Trichlorobenzene	6.462	180	37364	39.04	ng	95
39) Naphthalene	6.521	128	116885	40.93	ng	97
43) 4-Chloro-3-methylphenol	6.922	107	70312	87.86	ng	77
61) Acenaphthene	7.917	153	79178	45.09	ng	95
65) 2,4-Dinitrotoluene	8.056	165	27034	43.81	ng	75
66) 4-Nitrophenol	7.986	65	27066	78.35	ng	54
68) Fluorene	8.382	166	92244	47.10	ng	99
81) Pentachlorophenol	9.115	266	28561	98.84	ng	95
84) Carbazole	9.570	167	118862	43.41	ng	98
88) Pyrene	10.912	202	146727	42.13	ng	84
94) Butylbenzylphthalate	11.704	149	79362	48.42	ng	82
101) bis(2-Ethylhexyl)phtha...	12.404	149	2583	1.08	ng	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

mu

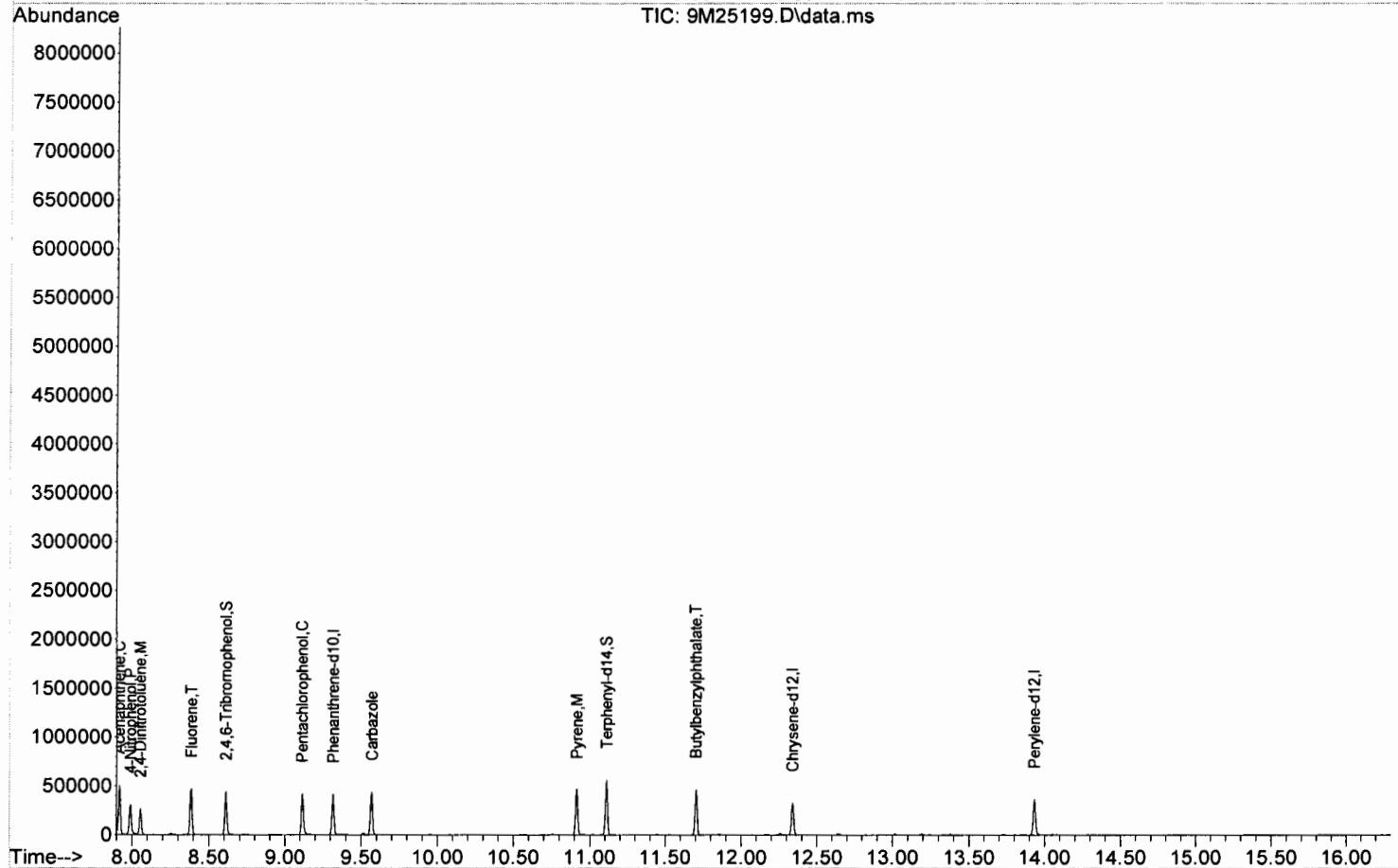
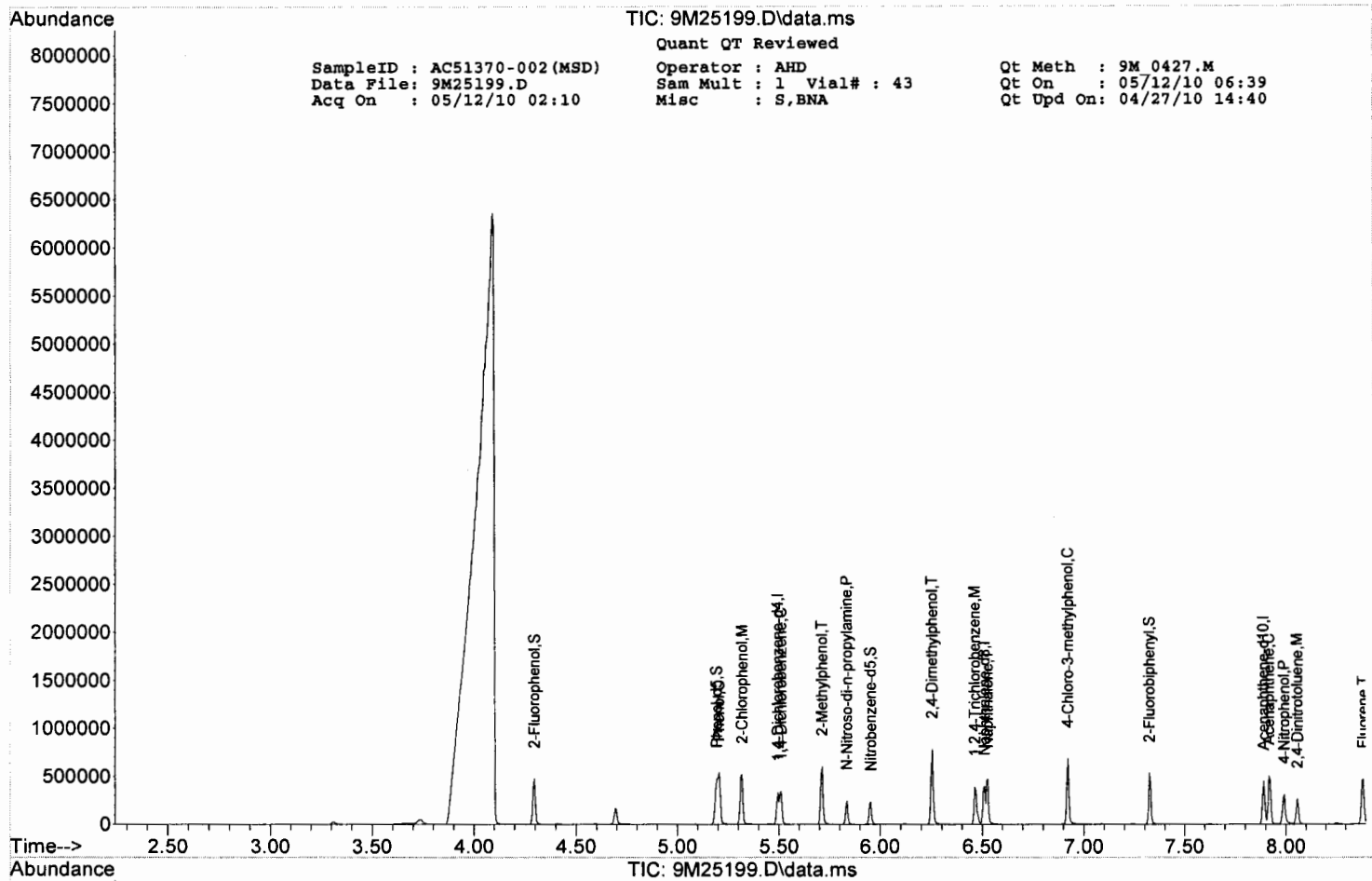


SampleID : AC51370-002 (MSD) Operator : AHD Qt Meth : 9M_0427.M
 Data File: 9M25199.D Sam Mult : 1 Vial# : 43 Qt On : 05/12/10 06:39
 Acq On : 05/12/10 02:10 Misc : S,BNA Qt Upd On: 04/27/10 14:40

Data Path : G:\GCMSData\2010\GCMS_9\Data\05-1110\
 Qt Path : G:\GCMSDATA\2010\GCMS_9\METHODQT\
 Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dichlorobenzene-d4	5.494	152	36657	40.00	ng	-0.03
29) Naphthalene-d8	6.510	136	138645	40.00	ng	-0.03
47) Acenaphthene-d10	7.890	164	77779	40.00	ng	-0.04
73) Phenanthrene-d10	9.318	188	127928	40.00	ng	-0.04
87) Chrysene-d12	12.340	240	116781	40.00	ng	-0.05
102) Perylene-d12	13.934	264	124691	40.00	ng	-0.05
System Monitoring Compounds						
10) 2-Fluorophenol	4.296	112	100737	98.81	ng	0.00
Spiked Amount 100.000			Recovery =	98.81%		
15) Phenol-d5	5.195	99	135068	105.79	ng	-0.02
Spiked Amount 100.000			Recovery =	105.79%		
30) Nitrobenzene-d5	5.954	128	28953	47.58	ng	-0.03
Spiked Amount 50.000			Recovery =	95.16%		
52) 2-Fluorobiphenyl	7.323	172	130163	50.68	ng	-0.04
Spiked Amount 50.000			Recovery =	101.36%		
76) 2,4,6-Tribromophenol	8.612	330	33403	154.87	ng	-0.04
Spiked Amount 100.000			Recovery =	154.87%		
90) Terphenyl-d14	11.110	244	164240	50.79	ng	-0.04
Spiked Amount 50.000			Recovery =	101.58%		
Target Compounds						
16) Phenol	5.205	94	119032	88.55	ng	98
17) 2-Chlorophenol	5.318	128	114310	92.55	ng	75
20) 1,4-Dichlorobenzene	5.510	146	63975	46.68	ng	94
24) 2-Methylphenol	5.713	108	92277	91.92	ng	90
27) N-Nitroso-di-n-propyla...	5.837	70	40664	45.90	ng	78
34) 2,4-Dimethylphenol	6.254	107	116025	91.58	ng	98
38) 1,2,4-Trichlorobenzene	6.462	180	52449	43.08	ng	95
39) Naphthalene	6.526	128	166640	45.88	ng	99
43) 4-Chloro-3-methylphenol	6.922	107	97759	96.03	ng	82
61) Acenaphthene	7.917	153	111114	47.93	ng	92
65) 2,4-Dinitrotoluene	8.056	165	36801	45.18	ng	79
66) 4-Nitrophenol	7.992	65	41192	90.33	ng	58
68) Fluorene	8.388	166	124585	48.19	ng	95
81) Pentachlorophenol	9.115	266	43084	110.49	ng	98
84) Carbazole	9.570	167	167361	46.31	ng	98
88) Pyrene	10.918	202	200412	45.98	ng	80
94) Butylbenzylphthalate	11.704	149	103495	50.45	ng	78

(#) = qualifier out of range (m) = manual integration (+) = signals summed



**GC/MS Semi-Volatile Data
Logbook Data**

Hampton-Clarke/Veritech

Analysis: BN/ BNA /AE

Method Blank No. SMB- 4508
 Blank Spike (SMBS): 4508
 Blank Spike (SMBS): _____

Date: 5/11/10
 Matrix Spike: 51370-002
 Matrix Spike: _____

SONICATION EXTRACTION (3550B) UNLESS CHECKED HERE: ASE (3545) _____

Sample Number	# in Batch	Initial Weight (g)	Final Volume (ml)	Fraction			Extract ed By	Extract Appearance			Comments
				BN	BNA	AE		Color	Clarity	Sediment	
MB 4508	X	308	1.0 ml	X			HGL				
MB 54508	X										
MS 51370-002	X										
MS 51370-002	X										
51370-002	1										
51370-001	2										
51370-003	3										
51370-004	4										
51370-005	5										
51370-006	6										
51370-007	7										
51387-001	8		1.5 ml					Dark			bad matrix
51387-002	9		1.0 ml								
51387-003	10										
51387-004	11										
51387-005	12		1.5 ml					Dark			bad matrix
51387-006	13		1.0 ml					"			
51352-001	14										
51352-002	15										
51354-001	16										
51354-002	17										
513432-001	18										
51432-003	19										
51522-001	20										

Spike Standard

Vol (ul's)	Conc. (ppm/ppb)	Lot No.	
50	Various	76014	BK/LK

Surrogate Standard

Vol (ul's)	Conc. (ppm/ppb)	Lot No.	
50	1000/2000	79284	BK/Surr.

Reagent Lots: MeCL₂ 44873 Acetone 4538 Hexane _____ Na₂SO₄ 4913 Ether _____
 MTBE _____ Other _____

Relinquished By: HGL
 Received By: BK/LK

Date: 5/11/10
 Date: 5/11/10



RUN LOG

Instrument: GCMS_9 Year: 2010
Analyst: AHD

0856

1-1-9M24665

Data File	Sample Number	Flags	Comments	Reviewed By	Test Group	Matrix	Surr Dil	Sam Dil	Method(s)	Analysis Date
9M24665	CAL DFTPP	Ed1=1.4:Oc	OK.V-82586	AHD		Aqueous 1	1			04/27 08:20
9M24666	CAL BNA@50PPM	IsAoC16	NOT USED	AHD		Aqueous 1	1	625	8270	04/27 08:42
9M24667	CAL BNA@2PPM		OK.V-85330	AHD		Aqueous 1	1	625	8270	04/27 09:05
9M24668	CAL BNA@10PPM		OK.V-85322	AHD		Aqueous 1	1	625	8270	04/27 09:28
9M24669	CAL BNA@20PPM		OK.V-85323	AHD		Aqueous 1	1	625	8270	04/27 09:51
9M24670	CAL BNA@80PPM		OK.V-85325	AHD		Aqueous 1	1	625	8270	04/27 10:14
9M24671	CAL BNA@120PPM		OK.V-85326	AHD		Aqueous 1	1	625	8270	04/27 10:37
9M24672	CAL BNA@160PPM	Oc	OK.V-85327	AHD		Aqueous 1	1	625	8270	04/27 11:00
9M24673	CAL BNA@196PPM	Oc	OK.V-85328	AHD		Aqueous 1	1	625	8270	04/27 11:23
9M24674	CAL BNA@50PPM		OK.V-85324	AHD		Aqueous 1	1	625	8270	04/27 11:46
9M24675	ICV BNA@50PPM		OK.V-83719	AHD		Aqueous 1	1	625	8270	04/27 12:09
9M24676	SMB4488		OK	AHD		Soil	1	1	8270	04/27 13:22
9M24677	AC51085-002		OK	AHD	BNA25-8270	Soil	1	1	8270	04/27 13:45
9M24678	AC51085-004		OK	AHD	BNA25-8270	Soil	1	1	8270	04/27 14:08
9M24679	AC51085-006		OK	AHD	BNA25-8270	Soil	1	1	8270	04/27 14:30
9M24680	AC51085-008		OK	AHD	BNA25-8270	Soil	1	1	8270	04/27 14:53
9M24681	AC50935-011		OK	AHD	BNPAH-8270	Soil	1	1	8270	04/27 15:16
9M24682	SMB4489		OK.RR	AHD		Soil	1	1	8270	04/27 15:39
9M24683	SMB4489(MS)		OK SMB4489	AHD		Soil	1	1	8270	04/27 16:02
9M24684	AC51148-002		OK	AHD	BNSTAR2-82	Soil	1	1	8270	04/27 16:24
9M24685	AC51009-009	Oc	RR 10X	AHD	BN-8270	Soil	1	1	8270	04/27 16:47
9M24686	SMB4490(MS)		OK SMB4490	AHD		Soil	1	1	8270	04/27 17:10
9M24687	SMB4490		OK	AHD		Soil	1	1	8270	04/27 17:33
9M24688	WMB4502		OK	AHD		Aqueous 1	1	625	8270	04/27 17:56
9M24689	AC50971-015		OK SMB4490	AHD	BNA25-8270	Soil	1	1	8270	04/27 18:18
9M24690	AC50971-015(MS)		OK SMB4490	AHD	BNA25-8270	Soil	1	1	8270	04/27 18:41
9M24691	AC50971-015(MSD)		OK SMB4490	AHD	BNA25-8270	Soil	1	1	8270	04/27 19:04
9M24692	AC50971-018		OK	AHD	BNA25-8270	Soil	1	1	8270	04/27 19:27
9M24693	AC50971-019		OK	AHD	BNA25-8270	Soil	1	1	8270	04/27 19:50
9M24694	AC50971-012		OK	AHD	BNPAH-8270	Soil	1	1	8270	04/27 20:12
9M24695	AC50966-006	Ti8	RR	AHD	BNPAH-8270	Soil	1	1	8270	04/27 20:35
9M24696	AC50966-007	Ti8	RR	AHD	BNPAH-8270	Soil	1	1	8270	04/27 20:58
9M24697	AC50966-008	Ti8	RR	AHD	BNPAH-8270	Soil	1	1	8270	04/27 21:21
9M24698	AC50966-009	Ti8	RR	AHD	BNPAH-8270	Soil	1	1	8270	04/27 21:44
9M24699	AC51149-001(5X)	Sd	RE-EXTRACT	AHD	BN15-625	Aqueous 5	5	625	8270	04/27 22:07
9M24700	AC51139-002		OK	AHD	BN15-625	Aqueous 1	1	625	8270	04/27 22:30
9M24701	AC51154-001		OK	AHD	BN15-625	Aqueous 1	1	625	8270	04/27 22:53
9M24702	AC51167-001		OK	AHD	BN15-625	Aqueous 1	1	625	8270	04/27 23:16
9M24703	AC51167-002		OK	AHD	BN15-625	Aqueous 1	1	625	8270	04/27 23:39
9M24704	AC51167-003		OK	AHD	BN15-625	Aqueous 1	1	625	8270	04/28 00:02
9M24705	AC51167-005		OK	AHD	BN15-625	Aqueous 1	1	625	8270	04/28 00:25
9M24706	AC51167-006		OK	AHD	BN15-625	Aqueous 1	1	625	8270	04/28 00:48
9M24707	AC51167-007		OK	AHD	BN15-625	Aqueous 1	1	625	8270	04/28 01:11
9M24708	AC51167-008		OK	AHD	BN15-625	Aqueous 1	1	625	8270	04/28 01:34

Area Not Checked	En	Extraction Performed Past Hold	Co	Warning Possible Carry Over
Area Out	EsM	Solvent Extraction Date Missing/Not checked	EvF	Eval Mix Failed
Blank 800 series missing	Ein	Toln/Solvent Extraction Date Missing/Not checked	Evnc	Eval Mix Not Checked
Blank 8000 series missing	Ein	Toln Extraction Performed Outside of Hold	Evrc	Eval Mix missing ddt or endrin
Blank Not Found/Assigned	Ev	Eval Time Exceeded	R16 R28	Rndt Out on MsMsd (col1 and or col2) 800 series
Calibration Column 1 Out (800 Series)	Hb	Analysis Before Collection Date	R18 R28	Rndt Out on MsMsd (col1 and or col2) 8000 series
Calibration Column 1 Out (8000 Series)	Hn	Sample Analyzed outside of hold time	Rn	Retention Time Out Or %Diff Out
Calibration Column 2 Out (800 Series)	I16 I26	Initial cal 800 series failed Column 1 and or 2	Rtn	Can't Calculate Drift
Calibration Column 2 Out (8000 Series)	I18 I28	Initial cal 8000 series failed Column 1 and or 2	S6	800 series surrogate out
800 series sample/blank did not have assigned cal	Is	Initial Cal Not Checked	S8	8000 series surrogate out
8000 series sample/blank did not have assigned cal	Iv	Prnt with calmt csv for init calibration check rfs	Sa6.Sb6	Acrid and nr BN Surrogate Out (800 series)
Endnote Cal missing for sample (8000 series)	Iw	Initial cal warning. Ini cal file <> method.	Sa8.Sb8	Acrid and nr BN Surrogate Out (8000 series)
Calibration Not Checked for sample/blank/eval	Ix	Initial Cal Files Not Updated Properly for a sample	Sd	Surrogate Diluted Out
Drift Out Column 1 or Column 2 Cals or Init Cals	M16 M26	Snake Out Col 1 and or Col 2 800 series	Snc	Surrogate Not Checked
Drift Not Checked	M16a M18h	Snake Out Col 1 800 series Acrid and nr BN	T16	Outside of 500 series Time time/Cal Time
Drift Out	M18 M28	Snake Out Col 1 and or Col 2 8000 series	T18	Outside of 8000 series Time time/Cal Time
An Extraction Before Collection Date	M18a M18h	Snake Out Col 1 8000 series Acrid and nr BN	Tm	Too Many Samples/ for beginning Calibration
Problem Checkin Prnt/updates modcheckprecond	Mnc	Snake Not Checked for this ms/msd	Tmw	If for 800 ser Too many samples begin Calibration
Eval Time Not Checked	Oc	Warning Compound(s) Over Calibration		



RUN LOG

Instrument: GCMS_5 Year: 2010
Analyst: AHD

0857

1-1-5M57327

Data File	Sample Number	Flags	Comments	Reviewed By	Test Group	Matrix	Surr Dil	Sam Dil	Method(s)	Analysis Date
5M57327	CAL DFTPP	Ed1=1.4:Oc	OK.V-82586	AHD		Aqueous 1	1			04/30 07:38
5M57328	CAL BNA@50PPM	C16C18	NOT USED	AHD		Aqueous 1	1	625	8270	04/30 09:02
5M57329	CAL BNA@2PPM	C16C18	NOT USED	AHD		Aqueous 1	1	625	8270	04/30 09:34
5M57330	CAL BNA@10PPM		OK.V-85322	AHD		Aqueous 1	1	625	8270	04/30 09:56
5M57331	CAL BNA@20PPM		OK.V-85323	AHD		Aqueous 1	1	625	8270	04/30 10:18
5M57332	CAL BNA@80PPM		OK.V-85325	AHD		Aqueous 1	1	625	8270	04/30 10:40
5M57333	CAL BNA@120PPM		OK.V-85326	AHD		Aqueous 1	1	625	8270	04/30 11:02
5M57334	CAL BNA@160PPM	Oc	OK.V-85327	AHD		Aqueous 1	1	625	8270	04/30 11:24
5M57335	CAL BNA@196PPM	Oc	OK.V-85328	AHD		Aqueous 1	1	625	8270	04/30 11:47
5M57336	CAL BNA@50PPM		OK.V-85324	AHD		Aqueous 1	1	625	8270	04/30 12:09
5M57337	CAL BNA@2PPM		OK.V-85330	AHD		Aqueous 1	1	625	8270	04/30 12:31
5M57338	ICV BNA@50PPM	Is	OK.V-83719	AHD		Aqueous 1	1	625	8270	04/30 12:53

Anc	Area Nnt Checked	En	Extraction Performed Past Hold	Cn	Warninn Possible Carry Over
An	Area Out	Esm	Solvent Extraction Date Missinn/Not check'd	EvF	Eval Mix Failed
R6m	Blank 8000 series missinn	Etn	Toln/Solvent Extraction Date Missinn/Not check'd	Evnc	Eval Mix Nnt Checked
R8m	Blank 8000 series missinn	Etn	Toln/Solvent Extraction Date Missinn/Not check'd	Evrc	Eval Mix missinn dft or endrin
Rnf	Blank Not Found/Assigned	Ev	Eval Time Exceeded	R16 R26	Rnd Out on McMed /col1 and or col2/ 800 series
C16	Calibration Column 1 Out (8000 Series)	Hb	Analysis Before Collection Date	R18 R28	Rnd Out on McMed /col1 and or col2/ 8000 series
C18	Calibration Column 1 Out (8000 Series)	Hn	Sample Analyzed outside of hold time	Rn	Retention Time Out Or %Diff Out
C26	Calibration Column 2 Out (8000 Series)	I16 I26	Initial cal 800 series failed Column 1 and or 2	Rtn	Can't Calculate Drift
C28	Calibration Column 2 Out (8000 Series)	I18 I28	Initial cal 8000 series failed Column 1 and or 2	S6	800 series surrogate out
C6f	800 series sample/blank did not have nassinn cal	Is	Initial Cal Nnt Checked	S8	8000 series surrogate out
C8f	8000 series sample/blank did not have nassinn cal	Iv	Pmh with calmt.csv for init calibration check rfs	SA6 Sb6	Acid and or BN Surrogate Out (800 series)
Cme	Endinn Cal missinn for sample (8000 series)	Iw	Initial cal warninn. Ini cal file <> method.	SA8 Sb8	Acid and or BN Surrogate Out (8000 series)
Cn	Calibration Nnt Checked for sample/blank/eval	Iz	Initial Cal Files Not Updated Properly for a samol	Sd	Surrogate Diluted Out
D1n D2n	Drift Out Column 1 or Column 2 Cals or Init Cals	M16 M26	Snake Out Cnl 1 and or Cnl 2 800 series	Snc	Surrogate Not Checked
Dnc	Drift Nnt Checked	M16a M16b	Snake Out Cnl 1 800 series Acid and nr BN	Ti5	Outside of 500 series Tune time
Do	Drift Out	M18 M28	Snake Out Cnl 1 and or Cnl 2 8000 series	Ti6	Outside of 800 series Tune time/Cal Time
Eba	An Extraction Before Collection Date	M18a M18b	Snake Out Col 1 8000 series Acid and nr BN	Ti8	Outside of 8000 series Tune time/Cal Time
Emo	Problem Checking Pre/nundates modcheckoreounds	Mnc	Snake Not Checked for this ms/msd	Tm	Tnn Manv Samples/ for beginninn Calibration
En	Eval Time Not Checked	Oc	Warning Compound(s) Over Calibration	Tmw	If for 800 ser Tnn manv samnles begin Calibration



RUN LOG

Instrument: GCMS_5 Year: 2010
Analyst: AHD

0858

1-1-5M57724

Data File	Sample Number	Flags	Comments	Reviewed By	Test Group	Matrix	Surr Dil	Sam Dil	Method(s)	Analysis Date
5M57724	CAL DFTPP	Ed1=1.2:Oc	OK.V-82586	AHD		Aqueous 1	1			05/11 15:40
5M57725	CAL BNA@50PPM	C16	OK.V-85324	AHD		Aqueous 1	1	625	8270	05/11 16:02
5M57726	SMB4508		OK	AHD		Soil	1	1	8270	05/11 16:25
5M57727	SMB4509		OK	AHD		Soil	1	1	8270	05/11 16:47
5M57728	AC51350-005(20X)		OK	AHD	ERROR	Soil	20	20	8270	05/11 17:10
5M57729	AC51350-007(25X)		OK	AHD	ERROR	Soil	25	25	8270	05/11 17:32
5M57730	AC51370-006		OK	AHD	BNA25-8270	Soil	1	1	8270	05/11 17:54
5M57731	AC51370-007		OK	AHD	BNA25-8270	Soil	1	1	8270	05/11 18:16
5M57732	AC51522-001		OK	AHD	BNA25-8270	Soil	1	1	8270	05/11 18:39
5M57733	AC51526-004		OK	AHD	BNA-8270	Soil	1	1	8270	05/11 19:02
5M57734	AC51517-001		OK	AHD	BNSTAR2-82	Soil	1	1	8270	05/11 19:24
5M57735	AC51387-001	Ao	RR	AHD	BNA25-8270	Soil	1	1	8270	05/11 19:46
5M57736	AC51387-003	Ao	RR	AHD	BNA25-8270	Soil	1	1	8270	05/11 20:09
5M57737	AC51387-005	Ao	RR	AHD	BNA25-8270	Soil	1	1	8270	05/11 20:31
5M57738	AC51352-001	Ao	RR	AHD	BNPAH-8270	Soil	1	1	8270	05/11 20:53
5M57739	AC51352-002		OK	AHD	BNA25-8270	Soil	1	1	8270	05/11 21:16
5M57740	AC51354-001	AoOc	RR 3X	AHD	BNA-8270	Soil	1	1	8270	05/11 21:38
5M57741	AC51354-002	Sb8AoOc	RR 10X	AHD	BNA-8270	Soil	1	1	8270	05/11 22:00
5M57742	AC51432-001	Ao	RR	AHD	BNA25-8270	Soil	1	1	8270	05/11 22:22
5M57743	AC51432-003	Ao	RR	AHD	BNA25-8270	Soil	1	1	8270	05/11 22:45
5M57744	AC51423-001		OK	AHD	BNPAH-8270	Soil	1	1	8270	05/11 23:07
5M57745	AC51342-018(10X)		OK	AHD	BNPAH-8270	Soil	10	10	8270	05/11 23:30
5M57746	AC51342-020(10X)		OK	AHD	BNPAH-8270	Soil	10	10	8270	05/11 23:52
5M57747	AC51421-001(5X)		OK	AHD	BNA-8270	Soil	5	5	8270	05/12 00:15
5M57748	AC51447-003(10X)	Ao	OK. AREA CONFIRMED	AHD	BNA-8270	Soil	10	10	8270	05/12 00:37
5M57749	AC51447-004(5X)		OK	AHD	BNA-8270	Soil	5	5	8270	05/12 00:59
5M57750	AC51351-005(3X)		OK	AHD	BNPAH-8270	OIL/OTH 3	3	3	8270	05/12 01:21
5M57751	AC51351-006(3X)	AoOc	OK	AHD	BN15-8270	OIL/OTH 3	3	3	8270	05/12 01:44
5M57752	AC51351-007(3X)		OK	AHD	BNPAH-8270	OIL/OTH 3	3	3	8270	05/12 02:06
5M57753	AC51351-013(3X)	Ao	OK	AHD	BNPAH-8270	OIL/OTH 3	3	3	8270	05/12 02:28
5M57754	AC51351-014(3X)	Ao	OK	AHD	BNPAH-8270	OIL/OTH 3	3	3	8270	05/12 02:51
5M57755	AC51351-015(3X)	Oc	OK	AHD	BNPAH-8270	OIL/OTH 3	3	3	8270	05/12 03:13
5M57756	AC51351-008(5X)	Ao	OK	AHD	BN15-8270	OIL/OTH 5	5	5	8270	05/12 03:36
5M57757	AC51351-009(5X)	Ti8	RR	AHD	BNPAH-8270	OIL/OTH 5	5	5	8270	05/12 03:58
5M57758	AC51351-010(5X)	Ti8Ao	RR	AHD	BNPAH-8270	OIL/OTH 5	5	5	8270	05/12 04:20
5M57759	AC51351-012(5X)	Ti8Ao	RR	AHD	BN15-8270	OIL/OTH 5	5	5	8270	05/12 04:43
5M57760	AC51387-004(20X)	SdTi8	RR 5X	AHD	BNA25-8270	Soil	20	20	8270	05/12 05:05
5M57761	AC51387-002(50X)	SdTi8Ao	RR 20X	AHD	BNA25-8270	Soil	50	50	8270	05/12 05:27
5M57762	AC51387-006(50X)	SdTi8Ao	RR 20X	AHD	BNA25-8270	Soil	50	50	8270	05/12 05:50

Anc	Area Not Checked	En	Extraction Performed Past Hold	Cn	Warning Possible Carry Over
Am	Area Out	Exm	Solvent Extraction Date Missing/Not checked	EvF	Eval Mix Failed
B6m	Blank 600 series missing	EIn	Trin/Solvent Extraction Date Missing/Not checked	Evnc	Eval Mix Not Checked
B8m	Blank 8000 series missing	EIn	Trin Extraction Performed Outside of Hold	Evrc	Eval Mix missing dirt nr andrin
Bnf	Blank Not Found/Assigned	Ev	Eval Time Exceeded	R16 R26	Rnd Out no MSMSd (rnl1 and nr rnl2) 600 series
C16	Calibration Column 1 Out (600 Series)	Hb	Analysis Before Collection Date	R18 R28	Rnd Out no MSMSd (rnl1 and nr rnl2) 8000 series
C18	Calibration Column 1 Out (8000 Series)	Hc	Sample Analyzed outside of hold time	Rn	Retention Time Out Or %Diff Out
C26	Calibration Column 2 Out (600 Series)	I16 I26	Initial cal 600 series failed Column 1 and nr 2	RIn	Can't Calculate Drift
C28	Calibration Column 2 Out (8000 Series)	I18 I28	Initial cal 8000 series failed Column 1 and nr 2	S6	600 series surrogate out
C6f	600 series sample/blank dirt not have oassinn cal	Is	Initial Cal Not Checked	S8	8000 series surrogate out
C8f	8000 series sample/blank dirt not have oassinn cal	Iv	Pmh with calmt csv for init calibration check rfs	Sa6 Sb6	Acid and nr BN Surrogate Out (600 series)
Cme	Endline Cal missing for sample (8000 series)	Iw	Initial cal warning. Ini cal file <- method	Sa8 Sb8	Acid and nr BN Surrogate Out (8000 series)
Cn	Calibration Not Checked for sample/blank/eval	lv	Initial Cal Files Not Updated Properly for a samol	Sd	Surrogate Diluted Out
D1n D2n	Drift Out Column 1 or Column 2 Cals nr Init Cals	M16 M26	Snake Out Cnl 1 and nr Cnl 2 600 series	Snc	Surrogate Not Checked
Dnc	Drift Not Checked	M16a M16b	Snake Out Cnl 1 600 series Acid and nr BN	Ti5	Outside of 500 series Tune time
Do	Drift Out	M18 M28	Snake Out Cnl 1 and nr Cnl 2 8000 series	Ti6	Outside of 800 series Tune time/Cal Time
Eba	An Extraction Before Collection Date	M18a M18b	Snake Out Cnl 1 8000 series Acid and nr BN	Ti8	Outside of 8000 series Tune time/Cal Time
Emn	Problem Checking Prep/rundates modcheckrennund	Mnc	Snake Not Checked for this ms/msd	Tm	Too Many Samples/ for beginninn Calibration
En	Eval Time Not Checked	Oc	Warning Compound(s) Over Calibration	Tmw	If for 600 ser Too many samples begin Calibration



RUN LOG

0859
Instrument: GCMS_9 Year: 2010
Analyst: AHD

1-1-9M25170

Data File	Sample Number	Flags	Comments	Reviewed By	Test Group	Matrix	Surr Dil	Sam Dil	Method(s)	Analysis Date
9M25170.	CAL DFTPP	Ed1=1.1:Oc	OK.V-82586	AHD		Aqueous	1	1		05/11 15:13
9M25171.	CAL BNA@50PPM		OK.V-85324	AHD		Aqueous	1	1	625 8270	05/11 15:36
9M25172.	WMB4529		OK	AHD		Aqueous	1	1	625 8270	05/11 15:58
9M25173.	WMB4529(MS)		OK WMB4529	AHD		Aqueous	1	1	625 8270	05/11 16:21
9M25174.	WMB4530		OK	AHD		Aqueous	1	1	625 8270	05/11 16:43
9M25175.	SMB4508		OK	AHD		Soil	1	1		8270 05/11 17:06
9M25176.	SMB4508(MS)	Sa8	OK. NON CONFORMANCE SMB4508	AHD		Soil	1	1		8270 05/11 17:29
9M25177.	SMB4509		OK	AHD		Soil	1	1		8270 05/11 17:51
9M25178.	AC51545-006		OK	AHD	BNSTAR2-82	Aqueous	1	1		8270 05/11 18:13
9M25179.	AC51545-007		OK	AHD	BNSTAR2-82	Aqueous	1	1		8270 05/11 18:36
9M25180.	AC51545-008		OK	AHD	BNSTAR2-82	Aqueous	1	1		8270 05/11 18:59
9M25181.	AC51545-009		OK	AHD	BNSTAR2-82	Aqueous	1	1		8270 05/11 19:22
9M25182.	AC51545-010		OK	AHD	BNSTAR2-82	Aqueous	1	1		8270 05/11 19:44
9M25183.	AC51545-011		OK	AHD	BNSTAR2-82	Aqueous	1	1		8270 05/11 20:07
9M25184.	AC51545-012		OK	AHD	BNSTAR2-82	Aqueous	1	1		8270 05/11 20:29
9M25185.	AC51545-013		OK	AHD	BNSTAR2-82	Aqueous	1	1		8270 05/11 20:52
9M25186.	AC51545-014		OK	AHD	BNSTAR2-82	Aqueous	1	1		8270 05/11 21:15
9M25187.	AC51545-015		OK	AHD	BNSTAR2-82	Aqueous	1	1		8270 05/11 21:37
9M25188.	AC51545-016		OK	AHD	BNSTAR2-82	Aqueous	1	1		8270 05/11 22:00
9M25189.	AC51545-017		OK	AHD	BNSTAR2-82	Aqueous	1	1		8270 05/11 22:22
9M25190.	AC51545-002		OK WMB4529	AHD	BNSTAR2-82	Aqueous	1	1		8270 05/11 22:45
9M25191.	AC51545-002(MS)		OK WMB4529	AHD	BNSTAR2-82	Aqueous	1	1	625 8270	05/11 23:08
9M25192.	AC51545-002(MSD)		OK WMB4529	AHD	BNSTAR2-82	Aqueous	1	1	625 8270	05/11 23:31
9M25193.	SMB4509(MS)	Sa8	OK. NON CONFORMANCE SMB4509	AHD		Soil	1	1		8270 05/11 23:53
9M25194.	AC51517-002		OK SMB4509	AHD	BNSTAR2-82	Soil	1	1		8270 05/12 00:16
9M25195.	AC51517-002(MS)		OK SMB4509	AHD	BNSTAR2-82	Soil	1	1		8270 05/12 00:39
9M25196.	AC51517-002(MSD)		OK SMB4509	AHD	BNSTAR2-82	Soil	1	1		8270 05/12 01:01
9M25197.	AC51370-002		OK SMB4508	AHD	BNA25-8270	Soil	1	1		8270 05/12 01:24
9M25198.	AC51370-002(MS)		OK SMB4508	AHD	BNA25-8270	Soil	1	1		8270 05/12 01:47
9M25199.	AC51370-002(MSD)		OK SMB4508	AHD	BNA25-8270	Soil	1	1		8270 05/12 02:10
9M25200.	AC51370-001		OK	AHD	BNA25-8270	Soil	1	1		8270 05/12 02:32
9M25201.	AC51370-003		OK	AHD	BNA25-8270	Soil	1	1		8270 05/12 02:55
9M25202.	AC51370-004	Ti8	RR	AHD	BNA25-8270	Soil	1	1		8270 05/12 03:18
9M25203.	AC51370-005	Ti8	RR	AHD	BNA25-8270	Soil	1	1		8270 05/12 03:41
9M25204.	AC51532-001		OK	AHD	BN15-625	Aqueous	1	1	625	05/12 04:04
9M25205.	AC51532-002		OK	AHD	BN15-625	Aqueous	1	1	625	05/12 04:27
9M25206.	AC51485-001		OK	AHD	BN15-625	Aqueous	1	1	625	05/12 04:50
9M25207.	AC51485-004		OK	AHD	BN15-625	Aqueous	1	1	625	05/12 05:13
9M25208.	AC51485-005		OK	AHD	BN15-625	Aqueous	1	1	625	05/12 05:36

Anc	Area Not Checked	En	Extraction Performed Past Hold	Cn	Warning Possible Carry Over
As	Area Out	EsM	Solvent Extraction Date Missin/Not check'd	EvF	Eval Mix Failed
B8m	Blank 800 series missin	EtM	Tcn/Solvent Extraction Date Missin/Not check'd	Evnc	Eval Mix Not Checked
B8m	Blank 8000 series missin	EtM	Tcn Extraction Performed Outside of Hold	Evrc	Eval Mix missin dft or endin
Bnf	Blank Nnt Found/Assigned	Ev	Eval Time Exceeded	R16.R26	Rnd Out on MsMsd (col1 and nr col2) 800 series
C16	Calibration Column 1 Out (800 Series)	Hb	Analysis Before Collection Date	R18.R28	Rnd Out on MsMsd (col1 and nr col2) 8000 series
C18	Calibration Column 1 Out (8000 Series)	Hc	Sample Analyzed outside of hold time	Rn	Retention Time Out Or %Diff Out
C26	Calibration Column 2 Out (800 Series)	I16 I26	Initial cal 800 series failed Column 1 and nr 2	Rtn	Can't Calculate Drift
C28	Calibration Column 2 Out (8000 Series)	I18 I28	Initial cal 8000 series failed Column 1 and nr 2	S6	800 series surrogate out
C6f	800 series sample/blank did not have nassinn cal	Is	Initial Cal Nnt Checked	S8	8000 series surrogate out
C8f	8000 series sample/blank did not have nassinn cal	Iv	Pmb with calmt csv for init calibration chek rfs	Sa6.Sb6	Acid and nr BN Surrogate Out (800 series)
Cme	Endino Cal missino for sample (8000 series)	Iw	Initial cal warnin. Ini cal file <> method	Sa8.Sb8	Acid and nr BN Surrogate Out (8000 series)
Cn	Calibration Nnt Checked for sample/blank/eval	Ix	Initial Cal Files Not Updated Properly for a sampl	Sd	Surrogate Diluted Out
D1n D2n	Drift Out Column 1 or Column 2 Cals or Init Cals	M16 M26	Snake Out Col 1 and nr Col 2 800 series	Snc	Surrogate Not Checked
Dnc	Drift Not Checked	M18a M18h	Snake Out Col 1 and nr Col 2 8000 series	T16	Outside of 800 series Tune time/Cal Time
Dn	Drift Out	M18 M28	Snake Out Col 1 and nr Col 2 8000 series	T18	Outside of 8000 series Tune time/Cal Time
Eba	An Extraction Before Collection Date	M18a M18h	Snake Out Col 1 8000 series Acid and nr BN	Tm	Ton Manv Sampls/ Inr beoinnino Calibration
Fmo	Problem Checking Pren/run/ates mod/check/prep/nd/Mnc	Mc	Snake Not Checked for this ms/msd	Tmw	If for 800 ser Too many samples begin Calibration
En	Eval Time Not Checked	Oc	Warning Compound(s) Over Calibration		



RUN LOG

Instrument: GCMS_5 Year: 2010
Analyst: AHD

0860

1-1-5M57763

Data File	Sample Number	Flags	Comments	Reviewed By	Test Group	Matrix	Surr Dil	Sam Dil	Method(s)	Analysis Date
5M57763	CAL DFTPP	Ed1=1.8:Oc	OK.V-82586	AHD		Aqueous	1	1		05/12 07:34
5M57764	BNA@50PPM	CnAnc	NOT USED	AHD		Aqueous	1	1	625 8270	05/12 07:57
5M57765	CAL BNA@50PPM		OK.V-85324	AHD		Aqueous	1	1	625 8270	05/12 09:00
5M57766	AC51367-004	AoOc	RR 5X	AHD	BN-8270	Soil	1	1	8270	05/12 09:27
5M57767	AC51448-006		OK	AHD	BNA-8270	Soil	1	1	8270	05/12 09:56
5M57768	AC51448-007		OK	AHD	BNA-8270	Soil	1	1	8270	05/12 10:26
5M57769	AC51314-008		OK	AHD	BN15-8270	Soil	1	1	8270	05/12 10:48
5M57770	AC51455-002	Ao	RR	AHD	BNA-8270	Soil	1	1	8270	05/12 11:11
5M57771	AC51455-006	Ao	RR	AHD	BNA-8270	Soil	1	1	8270	05/12 11:33
5M57772	AC51387-001		OK	AHD	BNA25-8270	Soil	1	1	8270	05/12 11:56
5M57773	AC51387-005	Ao	OK, AREA CONFIRMED	AHD	BNA25-8270	Soil	1	1	8270	05/12 12:18
5M57774	AC51352-001	Ao	OK, AREA CONFIRMED	AHD	BNPAH-8270	Soil	1	1	8270	05/12 12:41
5M57775	AC51432-001	Ao	OK, AREA CONFIRMED	AHD	BNA25-8270	Soil	1	1	8270	05/12 13:03
5M57776	AC51432-003		OK	AHD	BNA25-8270	Soil	1	1	8270	05/12 13:25
5M57777	AC51455-002	Ao	OK, AREA CONFIRMED	AHD	BNA-8270	Soil	1	1	8270	05/12 13:48
5M57778	AC51455-006	Ao	OK, AREA CONFIRMED	AHD	BNA-8270	Soil	1	1	8270	05/12 14:10
5M57779	AC51387-003	Ao	OK, AREA CONFIRMED	AHD	BNA25-8270	Soil	1	1	8270	05/12 14:33

Anc	Area Not Checked	En	Extraction Performed Past Hold	Co	Warning Possible Carry Over
An	Area Out	Esm	Solvent Extraction Date Missing/Not check'd	EvF	Eval Mix Failed
B8m	Blank 8000 series missing	Etn	Toln/Solvent Extraction Date Missing/Not check'd	Evnc	Eval Mix Not Checked
B8m	Blank 8000 series missing	Eto	Toln Extraction Performed Outside of Hold	Evrr	Eval Mix missing ddt or endrin
Bnf	Blank Not Found/Assigned	Ev	Eval Time Exceeded	R18.R28	Rnd Out on MsMsd (col1 and or col2) 8000 series
C18	Calibration Column 1 Out (8000 Series)	Hb	Analysis Before Collection Date	R18.R28	Rnd Out on MsMsd (col1 and or col2) 8000 series
C18	Calibration Column 1 Out (8000 Series)	Hb	Sample Analyzed outside of hold time	Rn	Retention Time Out Or %Diff Out
C28	Calibration Column 2 Out (8000 Series)	I18.I28	Initial cal 8000 series failed Column 1 and or 2	Rtn	Can't Calculate Drift
C28	Calibration Column 2 Out (8000 Series)	I18.I28	Initial cal 8000 series failed Column 1 and or 2	S8	8000 series surrogate out
C8f	8000 series sample/blank did not have missing cal	Is	Initial Cal Not Checked	S8	8000 series surrogate out
C8f	8000 series sample/blank did not have missing cal	Iv	Prob with calmt.csv for init calibration check rfs	Sa6.Sb6	Acid and or BN Surrogate Out (8000 series)
Cme	Endline Cal missing for sample (8000 series)	Iw	Initial cal warning. Ini cal file <> method.	Sa8.Sb8	Acid and or BN Surrogate Out (8000 series)
Cn	Calibration Not Checked for sample/blank/eval	Ix	Initial Cal Files Not Updated Properly for a sample	Sd	Surrogate Diluted Out
D1o.D2o	Drift Out Column 1 or Column 2 Cals or Init Cals	M18.M28	Spoke Out Cnl 1 and or Col 2 8000 series	Snc	Surrogate Not Checked
Dnc	Drift Not Checked	M18a.M18h	Spoke Out Cnl 1 8000 series Acid and or BN	T15	Outside of 500 series Tune time
Dn	Drift Out	M18.M28	Spoke Out Cnl 1 and or Col 2 8000 series	T16	Outside of 8000 series Tune time/Cal Time
Eba	An Extraction Before Collection Date	M18a.M18h	Spoke Out Cnl 1 8000 series Acid and or BN	T18	Outside of 8000 series Tune time/Cal Time
Emo	Problem Checking Ppm/n/ndates modcheckorenndates	Mnc	Spoke Not Checked for this ms/msd	Tm	Too Many Samples for beginning Calibration
En	Eval Time Not Checked	Oc	Warning Compound(s) Over Calibration	Tmw	If for 800 ser Too many samples begin Calibration



RUN LOG

Instrument: GCMS_5 Year: 2010
Analyst: AHD

0861

1-1-5M57782

Data File	Sample Number	Flags	Comments	Reviewed By	Test Group	Matrix	Surr Dil	Sam Dil	Method(s)	Analysis Date
5M57782	CAL DFTTP	Ed1=0.62:Oc	OK_V-82586	AHD		Aqueous	1	1		05/12 17:50
5M57783	CAL BNA@50PPM	C16	OK_V-85324	AHD		Aqueous	1	1	625	05/12 18:45
5M57784	SMB4510		OK	AHD		Soil	1	1		05/12 19:08
5M57785	AC51370-005		OK	AHD	BNA25-8270	Soil	1	1		05/12 19:30
5M57786	AC51446-007	Ao	RR	AHD	BNA25-8270	Soil	1	1		05/12 19:53
5M57787	AC51431-007	Ao	RR	AHD	BNA-8270	Soil	1	1		05/12 20:15
5M57788	AC51431-009	Ao	RR	AHD	BNA-8270	Soil	1	1		05/12 20:38
5M57789	AC51555-003	Ao	RR	AHD	BNA-8270	Soil	1	1		05/12 21:01
5M57790	AC51555-004	Ao	RR	AHD	BNA-8270	Soil	1	1		05/12 21:24
5M57791	AC51354-001(3X)		OK	AHD	BNA-8270	Soil	3	3		05/12 21:46
5M57792	AC51354-002(10X)	Sd	RE-DO DILUTION	AHD	BNA-8270	Soil	10	10		05/12 22:09
5M57793	AC51351-009(5X)		OK	AHD	BNPAH-8270	OIL/OTH	5	5		05/12 22:31
5M57794	AC51351-010(5X)		OK	AHD	BNPAH-8270	OIL/OTH	5	5		05/12 22:54
5M57795	AC51351-012(5X)		OK	AHD	BN15-8270	OIL/OTH	5	5		05/12 23:16
5M57796	AC51387-004(5X)		OK	AHD	BNA25-8270	Soil	5	5		05/12 23:39
5M57797	AC51387-002(20X)	Sd	OK	AHD	BNA25-8270	Soil	30	20		05/13 00:01
5M57798	AC51387-006(20X)	Sd	OK	AHD	BNA25-8270	Soil	30	20		05/13 00:24
5M57799	AC51455-011(20X)		OK	AHD	BNA-8270	Soil	20	20		05/13 00:46
5M57800	AC51314-009(20X)		RR 3X	AHD	BN15-8270	Soil	20	20		05/13 01:09
5M57801	AC51455-014(10X)	Ao	RR 3X	AHD	BNA-8270	Soil	10	10		05/13 01:31
5M57802	AC51448-008(3X)	Ao	RR	AHD	BNA-8270	Soil	3	3		05/13 01:54
5M57803	AC51217-002(3X)	OcEo	OK	AHD	BN-8270	Soil	3	3		05/13 02:17
5M57804	AC51431-012(2X)		OK	AHD	BNA-8270	Soil	2	2		05/13 02:39
5M57805	AC51555-001(2X)		OK	AHD	BNA-8270	Soil	2	2		05/13 03:02
5M57806	AC51555-005(2X)		OK	AHD	BNA-8270	Soil	2	2		05/13 03:24
5M57807	AC51555-006(2X)		OK	AHD	BNA-8270	Soil	2	2		05/13 03:47
5M57808	AC51446-001(3X)		OK	AHD	BNA25-8270	Soil	3	3		05/13 04:09
5M57809	AC51446-002(3X)	Oc	RR 30X	AHD	BNA25-8270	Soil	3	3		05/13 04:32
5M57810	AC51446-005(3X)		OK	AHD	BNA25-8270	Soil	3	3		05/13 04:54
5M57811	AC51431-008(3X)	Ao	RR	AHD	BNA-8270	Soil	3	3		05/13 05:17
5M57812	AC51431-010(3X)	Ao	RR	AHD	BNA-8270	Soil	3	3		05/13 05:39
5M57813	AC51431-011(3X)	Ti8	RR 2X	AHD	BNA-8270	Soil	3	3		05/13 06:02
5M57814	AC51555-002(3X)	Ti8	RR	AHD	BNA-8270	Soil	3	3		05/13 06:24

Anc	Area Not Checked	En	Extraction Performed Past Hold	Cn	Warning Possible Carry Over
An	Area Out	Exm	Solvent Extraction Date Missing/Not checked	EvF	Eval Mix Failed
R8m	Blank 8000 series missing	Elm	Trlo/Solvent Extraction Date Missing/Not checked	Evnc	Eval Mix Not Checked
R8m	Blank 8000 series missing	Elm	Trlo Extraction Performed Outside of Hold	Evnc	Eval Mix missing dft nr and/or
Rnf	Blank Not Found/Assigned	Ev	Eval Time Exceeded	R16 R26	Rnd Out on MsMsd (col1 and/or col2) 8000 series
C16	Calibration Column 1 Out (8000 Series)	Hb	Analysis Before Collection Date	R18 R28	Rnd Out on MsMsd (col1 and/or col2) 8000 series
C18	Calibration Column 1 Out (8000 Series)	Hb	Sample Analyzed outside of hold time	Rn	Retention Time Out Or %Diff Out
C26	Calibration Column 2 Out (8000 Series)	I16 I26	Initial cal 8000 series failed Column 1 and/or 2	Rtn	Can't Calculate Diff
C28	Calibration Column 2 Out (8000 Series)	I18 I28	Initial cal 8000 series failed Column 1 and/or 2	Sb	8000 series surrogate not
C8f	8000 series sample/blank did not have passing cal	Is	Initial Cal Not Checked	Sb	8000 series surrogate not
C8f	8000 series sample/blank did not have passing cal	Iv	Pmb with calmt.csv for init calibration check rfs	Sa8 Sb8	Acid and/or BN Surrogate Out (8000 series)
Cme	Endline Cal missing for sample (8000 series)	Iw	Initial cal warning: ini cal file <> method	Sa8 Sb8	Acid and/or BN Surrogate Out (8000 series)
Cn	Calibration Not Checked for sample/blank/eval	Ix	Initial Cal Files Not Updated Properly for a sample	Sd	Surrogate Diluted Out
D1n D2n	Drift Out Column 1 or Column 2 Cals or Init Cals	M16 M26	Snake Out Col 1 and/or Col 2 8000 series	Snc	Surrogate Not Checked
Dnc	Drift Not Checked	M18a M18b	Snake Out Col 1 8000 series Acid and/or BN	Ti5	Outside of 500 series Tune time
Dn	Drift Out	M18 M28	Snake Out Col 1 and/or Col 2 8000 series	Ti6	Outside of 8000 series Tune time/Cal Time
E8a	An Extraction Before Collection Date	M18a M18b	Snake Out Col 1 8000 series Acid and/or BN	Ti8	Outside of 8000 series Tune time/Cal Time
Emn	Problem Checking Pre/runfiles modcheck/runfiles	Mnc	Snake Not Checked for this ms/msd	Tm	Too Many Samples/ for beginning Calibration
En	Eval Time Not Checked	Oc	Warning Compound(s) Over Calibration	Tmw	If for 800 ser Too many samples begin Calibration

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-76014



Prepared By: Hamid, Akmal		Department: Organics		ApprovedBy: akmal	
Description: BNA SOIL SPIKE MIX		BatchNumber:		ApproveDate: 11/02/09	
Prep Date: 10/30/2009		Concentration: Various		Checked: Yes	
Expiration Date: 10/30/2010		Final Volume: 200 ml			
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc	
4257	Acetone	200 ml	neat neat		
3294	Pentachlorophenol	.4 g	neat	2000 ppm	
3732	4-Nitrophenol	.4 g	neat neat	2000 ppm	
3733	Phenol	.4 g	neat neat	2000 ppm	
2814	4-CHLORO-3-METHYLPHENOL	.4 g	NEAT neat	2000 ppm	
3742	2-CHLOROPHENOL	.4 g	NEAT neat	2000 ppm	
2845	2-Methylphenol	.4 g	neat neat	2000 ppm	
3295	2,4-Dimethylphenol	.4 g	neat neat	2000 ppm	
2338	1,2,4-Trichlorobenzene	.2 g	neat neat	1000 ppm	
4499	1,4-DICHLOROBENZENE	.2 g	neat neat	1000 ppm	
1886	CARBAZOLE	.2 g	NEAT	1000 ppm	
1885	BUTYL BENZYL PHTHALATE	.2 g	NEAT	1000 ppm	
2849	Fluorene	.2 g	neat neat	1000 ppm	
2850	Naphthalene	.2 g	neat neat	1000 ppm	
2851	N-Nitroso-n-propylamine	.2 g	neat neat	1000 ppm	
2852	2,4-Dinitrotoluene	.2 g	neat neat	1000 ppm	
2853	Pyrene	.2 g	neat neat	1000 ppm	
3736	Acenaphthene	.2 g	neat neat	1000 ppm	

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-67466



Prepared By: Hamid, Akmal		Department: Organics	ApprovedBy: jean	
Description: BNA Internal Std.		BatchNumber:	ApproveDate: 07/30/09	
Prep Date: 6/11/2009		Concentration: 2000 ppm	Checked: Yes	
Expiration Date: 6/11/2010		Final Volume: 500 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
4176	Naphthalene-D8	1 g	neat neat	2000 ppm
4173	Phenanthrene-D10	1 g	neat neat	2000 ppm
2613	Chrysene	1 g	neat neat	2000 ppm
4174	Perylene-D12	1 g	neat neat	2000 ppm
2615	1,4-Dichlorobenzene-d4	1 g	neat neat	2000 ppm
4172	Acenaphthene-D10	1 g	neat neat	2000 ppm
4157	METHYLENE CHLORIDE	500 ml	NEAT neat	

Veritech Lot Number: V-73986



Prepared By: Hamid, Akmal		Department: Organics	ApprovedBy: jean	
Description: BNA-Pest Mix		BatchNumber:	ApproveDate: 10/02/09	
Prep Date: 9/28/2009		Concentration: 1000 ppm	Checked: Yes	
Expiration Date: 9/27/2010		Final Volume: 10 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
3639	4,4'-DDT	.01 g	NEAT	1000 ppm
3640	4,4'-DDD	.01 g	NEAT	1000 ppm
3641	4,4'-DDE	.01 g	NEAT	1000 ppm
3642	ENDRIN	.01 g	NEAT	1000 ppm
4390	Endrin Aldehyde	.01 g	neat neat	1000 ppm
4391	Endrin Ketone	.01 g	neat neat	1000 ppm
4396	METHYLENE CHLORIDE	10 ml	neat	

Veritech Lot Number: V-79284



Prepared By: Hamid, Akmal		Department: Organics	ApprovedBy: jean	
Description: BNA Surrog. Std.		BatchNumber:	ApproveDate: 01/08/10	
Prep Date: 1/6/2010		Concentration: 1000-2000 pp	Checked: Yes	
Expiration Date: 2/6/2011		Final Volume: 1000 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
2587	2-Fluorobiphenyl	1 g	neat neat	1000 ppm
3876	p-Terphenyl-d14	.3 g	NEAT neat	300 ppm
2930	p-Terphenyl-d14	.7 g	neat neat	700 ppm
3877	PHENOL-2,3,4,5,6-d5,	2 g	NEAT neat	2000 ppm
2874	2-FLUOROPHENOL	1.6 ml	NEAT neat	2000 ppm
2584	Nitrobenzene-d5	800 ul	Neat neat	1000 ppm
2585	2,4,6-Tribromophenol	2 g	Neat neat	2000 ppm
4583	Acetone	1000 ml	neat neat	

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-79288



Prepared By: Hamid, Akmal		Department: Organics	ApprovedBy: jean	
Description: 8270 EXTRA MIX#1		BatchNumber:	ApproveDate: 01/08/10	
Prep Date: 1/6/2010		Concentration: 10000 ppm	Checked: Yes	
Expiration Date: 1/6/2011		Final Volume: 10 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
3977	ATRAZINE	.1 g	NEAT	10000 ppm
3798	ACETOPHENONE	.1 g	NEAT neat	10000 ppm
1810	1,2,4,5-TETRACHLOROBENZENE	.1 g	NEAT	10000 ppm
1809	DIPHENYL ETHER	.1 g	NEAT	10000 ppm
1431	E-Caprolactam	.1 g	Neat neat	10000 ppm
1430	Benzaldehyde	.1 g	Neat neat	10000 ppm
4582	methylene chloride	10 ml	neat neat	

Veritech Lot Number: V-79292



Prepared By: Hamid, Akmal		Department: Organics	ApprovedBy: jean	
Description: 8270 EXTRA MIX#1(2nd Source)		BatchNumber:	ApproveDate: 01/08/10	
Prep Date: 1/6/2010		Concentration: 10000 ppm	Checked: Yes	
Expiration Date: 1/6/2011		Final Volume: 10 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
3977	ATRAZINE	.1 g	NEAT	10000 ppm
3798	ACETOPHENONE	.1 g	NEAT neat	10000 ppm
1810	1,2,4,5-TETRACHLOROBENZENE	.1 g	NEAT	10000 ppm
1809	DIPHENYL ETHER	.1 g	NEAT	10000 ppm
1431	E-Caprolactam	.1 g	Neat neat	10000 ppm
1430	Benzaldehyde	.1 g	Neat neat	10000 ppm
4583	Acetone	10 ml	neat neat	

Veritech Lot Number: V-81922



Prepared By: Hamid, Akmal		Department: Organics	ApprovedBy: jean	
Description: BNA-5 MIX		BatchNumber:	ApproveDate: 03/02/10	
Prep Date: 3/1/2010		Concentration: 5000 ppm	Checked: Yes	
Expiration Date: 3/1/2011		Final Volume: 10 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
2176	PENTACHLOROETHANE	.05 g	NEAT	5000 ppm
2394	n-Octadecane	.05 g	NEAT	5000 ppm
4005	n-Decane	.05 g	Neat neat	5000 ppm
2185	BIPHENYL	.05 g	NEAT	5000 ppm
3818	1,4-Dimethylnaphthalene	.0518 g	96.5%	5000 ppm
4715	Methylene chloride	10 ml	neat neat	

Veritech Lot Number: V-81923



Prepared By: Hamid, Akmal		Department: Organics	ApprovedBy: jean	
Description: BNA-6 MIX		BatchNumber:	ApproveDate: 03/02/10	
Prep Date: 3/1/2010		Concentration: 5000 ppm	Checked: Yes	
Expiration Date: 3/1/2011		Final Volume: 10 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
2176	PENTACHLOROETHANE	.05 g	NEAT	5000 ppm
2394	n-Octadecane	.05 g	NEAT	5000 ppm
4005	n-Decane	.05 g	Neat neat	5000 ppm
2185	BIPHENYL	.05 g	NEAT	5000 ppm
3818	1,4-Dimethylnaphthalene	.0518 g	96.5%	5000 ppm
4004	2,3,4,6-Tetrachlorophenol	.05 g	Neat neat	5000 ppm
4715	Methylene chloride	10 ml	neat neat	

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-82306



Prepared By: Bis, Yolanta		Department: Organics	ApprovedBy: akmal	
Description: Pyridine Stock Std.		BatchNumber:	ApproveDate: 03/10/10	
Prep Date: 3/8/2010		Concentration: 10,000 ppm	Checked: Yes	
Expiration Date: 3/8/2011		Final Volume: 1 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
4731	pyridine	10 ul	neat neat	10000 ppm
4698	METHYLENE CHLORIDE	990 ul	neat neat	

Veritech Lot Number: V-82585



Prepared By: Hamid, Akmal		Department: Organics	ApprovedBy: jean	
Description: DFTPP STOCK STD.		BatchNumber:	ApproveDate: 03/12/10	
Prep Date: 3/10/2010		Concentration: 2000 ppm	Checked: Yes	
Expiration Date: 3/10/2011		Final Volume: 5 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
4713	Methylene Chloride	5 ml	neat neat	
3213	DFTPP	.01 g	NEAT neat	2000 ppm

Veritech Lot Number: V-82586



Prepared By: Hamid, Akmal		Department: Organics	ApprovedBy: jean	
Description: DFTPP Mix		BatchNumber:	ApproveDate: 03/12/10	
Prep Date: 3/10/2010		Concentration: 50 ppm	Checked: Yes	
Expiration Date: 10/31/2010		Final Volume: 5 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-82585	DFTPP STOCK STD.	125 ul	2000 ppm	50 ppm
4427	DDT/ENDRIN MIX	1000 ul	500 ppm	100 ppm
4507	TCL Phenols/Benzidines Mix	250 ul	2000 ppm	100 ppm
4713	Methylene Chloride	3625 ul	neat neat	

Veritech Lot Number: V-83718



Prepared By: Bis, Yolanta		Department: Organics	ApprovedBy: akmal	
Description: BNA STOCK Std.B		BatchNumber:	ApproveDate: 04/02/10	
Prep Date: 4/1/2010		Concentration: 250 ppm	Checked: Yes	
Expiration Date: 8/31/2010		Final Volume: 1.2 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
3176	Tcl PAH mix	150 ul	2000 ppm	250 ppm
4668	TCL Phenol/Benzidines Mix	150 ul	2000 ppm	250 ppm
4506	TCL Hazardous Substances Mix	150 ul	2000 ppm	250 ppm
4505	TCL Base-Neutral Mix	150 ul	2000 ppm	250 ppm
V-79284	BNA Surrog.Std.	150 ul	1000-2000 pp	125-250 pp
V-82306	Pyridine Stock Std.	30 ul	10,000 ppm	250 ppm
V-81923	BNA-6 MIX	60 ul	5000 ppm	250 ppm
4715	Methylene chloride	360 ul	neat neat	

Veritech Lot Number: V-83719



Prepared By: Bis, Yolanta		Department: Organics	ApprovedBy: akmal	
Description: BNA ICV CAL@50PPM		BatchNumber:	ApproveDate: 04/02/10	
Prep Date: 4/1/2010		Concentration: 50 ppm	Checked: Yes	
Expiration Date: 6/11/2010		Final Volume: 0.2 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
4715	Methylene chloride	155 ul	neat neat	
V-83718	BNA STOCK Std.B	40 ul	250 ppm	50 ppm
V-79292	8270 EXTRA MIX#1(2nd Source)	1 ul	10000 ppm	50 ppm
V-67466	BNA Internal Std.	4 ul	2000 ppm	40 ppm

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-83793



Prepared By: Hamid, Akmal		Department: Organics	ApprovedBy: akmal	
Description: BNA STOCK Std.A		BatchNumber:	ApproveDate: 04/02/10	
Prep Date: 4/1/2010		Concentration: 250 ppm	Checked: Yes	
Expiration Date: 9/27/2010		Final Volume: 1.2 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
4504	8270 MegaMix	300 ul	1000 ppm	250 ppm
V-73986	BNA-Pest Mix	300 ul	1000 ppm	250 ppm
4455	Benzoic Acid	150 ul	2000 ppm	250 ppm
4456	Benzidine Cal Mix	150 ul	2000 ppm	250 ppm
V-79284	BNA Surrog.Std.	150 ul	1000-2000 pp	125-250 pp
v-81922	BNA-5 MIX	60 ul	5000 ppm	250 ppm
4715	Methylene chloride	90 ul	neat neat	

Veritech Lot Number: V-85321



Prepared By: Hamid, Akmal		Department: Organics	ApprovedBy: jean	
Description: BNA STOCK Std.		BatchNumber:	ApproveDate: 05/03/10	
Prep Date: 4/1/2010		Concentration: 200 ppm	Checked: Yes	
Expiration Date: 9/27/2010		Final Volume: 500 ul		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-79288	8270 EXTRA MIX#1	10 ul	10000 ppm	200 ppm
4787	Methylene Chloride	90 ul	neat neat	
V-83793	BNA STOCK Std.A	400 ul	250 ppm	200 ppm

Veritech Lot Number: V-85322



Prepared By: Hamid, Akmal		Department: Organics	ApprovedBy: jean	
Description: BNA 10 ppm curve		BatchNumber: B-7592	ApproveDate: 05/03/10	
Prep Date: 4/27/2010		Concentration: 10 ppm	Checked: Yes	
Expiration Date: 6/11/2010		Final Volume: 100 ul		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-85321	BNA STOCK Std.	5 ul	200 ppm	10 ppm
V-67466	BNA Internal Std.	2 ul	2000 ppm	40 ppm
4787	Methylene Chloride	93 ul	neat neat	

Veritech Lot Number: V-85323



Prepared By: Hamid, Akmal		Department: Organics	ApprovedBy: jean	
Description: BNA 20 ppm curve		BatchNumber: B-7592	ApproveDate: 05/03/10	
Prep Date: 4/27/2010		Concentration: 20 ppm	Checked: Yes	
Expiration Date: 6/11/2010		Final Volume: 100 ul		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-85321	BNA STOCK Std.	10 ul	200 ppm	20 ppm
V-67466	BNA Internal Std.	2 ul	2000 ppm	40 ppm
4787	Methylene Chloride	88 ul	neat neat	

Veritech Lot Number: V-85324



Prepared By: Hamid, Akmal		Department: Organics	ApprovedBy: jean	
Description: BNA 50 ppm curve		BatchNumber: B-7592	ApproveDate: 05/03/10	
Prep Date: 4/27/2010		Concentration: 50 ppm	Checked: Yes	
Expiration Date: 6/11/2010		Final Volume: 600 ul		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-67466	BNA Internal Std.	12 ul	2000 ppm	40 ppm
4787	Methylene Chloride	438 ul	neat neat	
V-85321	BNA STOCK Std.	150 ul	200 ppm	50 ppm

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-85325

Prepared By: Hamid, Akmal		Department: Organics	ApprovedBy: jean	
Description: BNA 80 ppm curve		BatchNumber: B-7592	ApproveDate: 05/03/10	
Prep Date: 4/27/2010		Concentration: 80 ppm	Checked: Yes	
Expiration Date: 6/11/2010		Final Volume: 100 ul		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-85321	BNA STOCK Std.	40 ul	200 ppm	80 ppm
V-67466	BNA Internal Std.	2 ul	2000 ppm	40 ppm
4787	Methylene Chloride	58 ul	neat neat	

Veritech Lot Number: V-85326

Prepared By: Hamid, Akmal		Department: Organics	ApprovedBy: jean	
Description: BNA 120 ppm curve		BatchNumber: B-7592	ApproveDate: 05/03/10	
Prep Date: 4/27/2010		Concentration: 120 ppm	Checked: Yes	
Expiration Date: 6/11/2010		Final Volume: 100 ul		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-85321	BNA STOCK Std.	60 ul	200 ppm	120 ppm
V-67466	BNA Internal Std.	2 ul	2000 ppm	40 ppm
4787	Methylene Chloride	38 ul	neat neat	

Veritech Lot Number: V-85327

Prepared By: Hamid, Akmal		Department: Organics	ApprovedBy: jean	
Description: BNA 160 ppm curve		BatchNumber: B-7592	ApproveDate: 05/03/10	
Prep Date: 4/27/2010		Concentration: 160 ppm	Checked: Yes	
Expiration Date: 6/11/2010		Final Volume: 100 ul		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-85321	BNA STOCK Std.	80 ul	200 ppm	160 ppm
V-67466	BNA Internal Std.	2 ul	2000 ppm	40 ppm
4787	Methylene Chloride	18 ul	neat neat	

Veritech Lot Number: V-85328

Prepared By: Hamid, Akmal		Department: Organics	ApprovedBy: jean	
Description: BNA 196 ppm curve		BatchNumber: B-7592	ApproveDate: 05/03/10	
Prep Date: 4/27/2010		Concentration: 196 ppm	Checked: Yes	
Expiration Date: 6/11/2010		Final Volume: 100 ul		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-85321	BNA STOCK Std.	98 ul	200 ppm	196 ppm
V-67466	BNA Internal Std.	2 ul	2000 ppm	40 ppm
4787	Methylene Chloride	0	neat neat	

Veritech Lot Number: V-85329

Prepared By: Hamid, Akmal		Department: Organics	ApprovedBy: jean	
Description: BNA 50 ppm curve		BatchNumber: B-7592	ApproveDate: 05/03/10	
Prep Date: 4/27/2010		Concentration: 50 ppm	Checked: Yes	
Expiration Date: 6/11/2010		Final Volume: 100 ul		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-85321	BNA STOCK Std.	25 ul	200 ppm	50 ppm
4787	Methylene Chloride	75 ul	neat neat	

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-85330



Prepared By: Hamid, Akmal		Department: Organics	ApprovedBy: jean	
Description: BNA 2 ppm curve		BatchNumber: B-7592	ApproveDate: 05/03/10	
Prep Date: 4/27/2010		Concentration: 2 ppm	Checked: Yes	
Expiration Date: 6/11/2010		Final Volume: 100 ul		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-85329	BNA 50 ppm curve	4 ul	50 ppm	2 ppm
V-67466	BNA Internal Std.	2 ul	2000 ppm	40 ppm
4787	Methylene Chloride	94 ul	neat neat	

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 1430									
Description						ApprovedBy: jean ApproveDate: 07/30/09 Checked: Yes			
Benzaldehyde									
Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Aldrich	B1334-2G	08505LB	02/20/04	02/20/11	Hamid, Akmal	1	2G	Neat	Neat

Veritech Control/Receipt Number: 1431									
Description						ApprovedBy: jean ApproveDate: 07/30/09 Checked: Yes			
E-Caprolactam									
Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Aldrich	C2204-5G	05824JI	02/20/04	02/20/11	Hamid, Akmal	1	5g	Neat	Neat

Veritech Control/Receipt Number: 1809									
Description						ApprovedBy: jean ApproveDate: 07/30/09 Checked: Yes			
DIPHENYL ETHER									
Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
ALDRICH	240834-5G	09303PC	06/23/06	06/23/20	Revolus, Jean	1	5G	NEAT	

Veritech Control/Receipt Number: 1810									
Description						ApprovedBy: jean ApproveDate: 07/30/09 Checked: Yes			
1,2,4,5-TETRACHLOROBENZENE									
Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
ALDRICH	131857-5G	06024AI	06/27/06	06/27/20	Revolus, Jean	1	5G	NEAT	

Veritech Control/Receipt Number: 2176									
Description						ApprovedBy: jean ApproveDate: 07/30/09 Checked: Yes			
PENTACHLOROETHANE									
Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEMSERVICE	F937	376-75A	01/22/07	01/31/12	Revolus, Jean	1	5g	NEAT	

Veritech Control/Receipt Number: 2185									
Description						ApprovedBy: jean ApproveDate: 07/30/09 Checked: Yes			
BIPHENYL									
Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEMSERVICE	F1062	348-144A	01/29/07	10/31/11	Revolus, Jean	1	5g	NEAT	

Veritech Control/Receipt Number: 2394									
Description						ApprovedBy: jean ApproveDate: 07/30/09 Checked: Yes			
n-Octadecane									
Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEMSERVICE	F2188	381-22A	05/03/07	04/30/13	Revolus, Jean	1	2g	NEAT	

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 2584											
Description								ApprovedBy: jean		ApproveDate: 07/30/09	
Nitrobenzene-d5								Checked: Yes			
Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:		
Supelco	151955	ST1692	06/24/07	04/03/12	Hamid, Akmal	1	5g	Neat	Neat		

Veritech Control/Receipt Number: 2585											
Description								ApprovedBy: jean		ApproveDate: 07/30/09	
2,4,6-Tribromophenol								Checked: Yes			
Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:		
Supelco	137715	14726KD	06/24/07	04/03/12	Hamid, Akmal	1	5g	Neat	Neat		

Veritech Control/Receipt Number: 2587											
Description								ApprovedBy: jean		ApproveDate: 01/14/10	
2-Fluorobiphenyl								Checked: Yes			
Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:		
Supelco	102741	01602BE	06/24/07	04/03/12	Hamid, Akmal	2	5	neat	neat		

Veritech Control/Receipt Number: 2613											
Description								ApprovedBy: jean		ApproveDate: 07/30/09	
Chrysene								Checked: Yes			
Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:		
CIL	DLM-261-001	PR-17865/01227CH	07/10/07	04/16/12	Hamid, Akmal	3	3g	neat	neat		

Veritech Control/Receipt Number: 2615											
Description								ApprovedBy: jean		ApproveDate: 07/30/09	
1,4-Dichlorobenzene-d4								Checked: Yes			
Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:		
CIL	DLM-268	PR-12866/06201DB1	07/10/07	04/16/12	Hamid, Akmal	1	5g	neat	neat		

Veritech Control/Receipt Number: 2874											
Description								ApprovedBy: jean		ApproveDate: 07/30/09	
2-FLUOROPHENOL								Checked: Yes			
Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:		
ALDRICH	F12804-10G	01816PE	11/15/07	11/15/20	Hamid, Akmal	1	10G	NEAT	NEAT		

Veritech Control/Receipt Number: 2930											
Description								ApprovedBy: jean		ApproveDate: 12/02/09	
p-Terphenyl-d14								Checked: Yes			
Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:		
Isotec	364630-500MG	EW1627	12/06/07	12/05/12	Hamid, Akmal	5	500m	neat	neat		

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 3176											
Description Tcl PAH mix								ApprovedBy: jean ApproveDate: 07/30/09 Checked: Yes			
Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:		
Supelco	48905-U	LB49970	03/24/08	08/31/10	Hamid, Akmal	1	1ml	2000	ppm		

Veritech Control/Receipt Number: 3213											
Description DFTPP								ApprovedBy: jean ApproveDate: 07/30/09 Checked: Yes			
Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:		
SUPELCO	44-2543	LB56932	04/08/08	03/31/11	Hamid, Akmal	1	100m	NEAT	NEAT		

Veritech Control/Receipt Number: 3639											
Description 4.4'-DDT								ApprovedBy: jean ApproveDate: 07/30/09 Checked: Yes			
Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:		
CHEMSERVICE	F92	402-104B	09/26/08	06/30/11	Revolus, Jean	1	1g	NEAT			

Veritech Control/Receipt Number: 3640											
Description 4.4'-DDD								ApprovedBy: jean ApproveDate: 07/30/09 Checked: Yes			
Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:		
CHEMSERVICE	F94	407-7A	09/26/08	07/31/11	Revolus, Jean	1	1g	NEAT			

Veritech Control/Receipt Number: 3641											
Description 4.4'-DDE								ApprovedBy: jean ApproveDate: 07/30/09 Checked: Yes			
Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:		
CHEMSERVICE	F93	407-64A	09/26/08	08/31/14	Revolus, Jean	1	100m	NEAT			

Veritech Control/Receipt Number: 3642											
Description ENDRIN								ApprovedBy: jean ApproveDate: 07/30/09 Checked: Yes			
Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:		
CHEMSERVICE	F98	402-16A	09/26/08	04/30/12	Revolus, Jean	1	250m	NEAT			

Veritech Control/Receipt Number: 3798											
Description ACETOPHENONE								ApprovedBy: jean ApproveDate: 07/30/09 Checked: Yes			
Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:		
CHEM SERVICE	O-821	383-95A	01/02/09	06/30/12	Hamid, Akmal	1	10G	NEAT	NEAT		

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 3818											
Description								ApprovedBy: jean			
1,4-Dimethylnaphthalene								ApproveDate: 07/30/09			
								Checked: Yes			
Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:		
Chem Service	F1020	3999-95B	01/07/09	05/31/12	Hamid, Akmal	5	0.1g	96.5%			

Veritech Control/Receipt Number: 3876											
Description								ApprovedBy: jean			
p-Terphenyl-d14								ApproveDate: 01/14/10			
								Checked: Yes			
Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:		
ISOTEC	364630-500	CX0564	01/27/09	01/27/13	Hamid, Akmal	2	500M	NEAT	NEAT		

Veritech Control/Receipt Number: 3877											
Description								ApprovedBy: jean			
PHENOL-2,3,4,5,6-d5,								ApproveDate: 07/30/09			
								Checked: Yes			
Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:		
ISOTEC	425370-5G	EW0108	01/27/09	01/27/14	Hamid, Akmal	1	5G	NEAT	NEAT		

Veritech Control/Receipt Number: 3977											
Description								ApprovedBy: jean			
ATRAZINE								ApproveDate: 07/30/09			
								Checked: Yes			
Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:		
CHEM SERVICE	F2208	401-135A	03/11/09	04/30/11	Revolus, Jean	1	500m	NEAT			

Veritech Control/Receipt Number: 4004											
Description								ApprovedBy: jean			
2,3,4,6-Tetrachlorophenol								ApproveDate: 07/30/09			
								Checked: Yes			
Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:		
Chem Service	F1086	395-102B	03/26/09	01/31/12	Hamid, Akmal	5	250m	Neat	Neat		

Veritech Control/Receipt Number: 4005											
Description								ApprovedBy: akmal			
n-Decane								ApproveDate: 03/02/10			
								Checked: Yes			
Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:		
Chem Service	F2182	419-26A	03/26/09	01/31/14	Hamid, Akmal	1	1g	Neat	Neat		

Veritech Control/Receipt Number: 4157											
Description								ApprovedBy: jean			
METHYLENE CHLORIDE								ApproveDate: 07/30/09			
								Checked: Yes			
Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:		
J T BAKER	926403	G51403	06/02/09	06/01/11	Okomeng, Maxwel	120	4LT	NEAT	NEAT		

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 4172									
Description						ApprovedBy: jean ApproveDate: 07/30/09 Checked: Yes			
Acenaphthene-D10									
Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CIL	DLM-108	PR-19991	06/11/09	06/11/16	Hamid, Akmal	2	1g	neat	neat

Veritech Control/Receipt Number: 4173									
Description						ApprovedBy: jean ApproveDate: 07/30/09 Checked: Yes			
Phenanthrene-D10									
Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CIL	DLM-371	PR19222	06/11/09	06/11/16	Hamid, Akmal	2	1g	neat	neat

Veritech Control/Receipt Number: 4174									
Description						ApprovedBy: jean ApproveDate: 07/30/09 Checked: Yes			
Perylene-D12									
Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CIL	DLM-366	PR16756	06/11/09	06/11/16	Hamid, Akmal	2	1g	neat	neat

Veritech Control/Receipt Number: 4176									
Description						ApprovedBy: jean ApproveDate: 07/30/09 Checked: Yes			
Naphthalene-D8									
Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CIL	DLM-365	PR-17975/12076NP2	06/11/09	06/11/16	Hamid, Akmal	2	1g	neat	neat

Veritech Control/Receipt Number: 4390									
Description						ApprovedBy: jean ApproveDate: 09/14/09 Checked: Yes			
Endrin Aldehyde									
Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Chem Service	F99	426-80A	09/11/09	09/30/12	Hamid, Akmal	2	10mg	neat	neat

Veritech Control/Receipt Number: 4391									
Description						ApprovedBy: jean ApproveDate: 09/14/09 Checked: Yes			
Endrin Ketone									
Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Chem Service	F2022	419-26B	09/11/09	01/31/13	Hamid, Akmal	2	10mg	neat	neat

Veritech Control/Receipt Number: 4396									
Description						ApprovedBy: jean ApproveDate: 09/15/09 Checked: Yes			
METHYLENE CHLORIDE									
Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J.T. BAKER	926403	H30S12	09/15/09	10/30/10	Okomeng, Maxwell	72	4LT	neat	

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 4427											
Description								ApprovedBy: jean		ApproveDate: 10/06/09	
DDT/ENDRIN MIX								Checked: Yes			
Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:		
SUPELCO	4-8282	LB52469	09/29/09	10/31/10	Hamid, Akmal	3	1ML	500	PPM		

Veritech Control/Receipt Number: 4455											
Description								ApprovedBy: jean		ApproveDate: 10/14/09	
Benzoic Acid								Checked: Yes			
Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:		
Restek	31879	A067682	10/13/09	05/31/13	Hamid, Akmal	2	1ml	2000	ppm		

Veritech Control/Receipt Number: 4456											
Description								ApprovedBy: jean		ApproveDate: 10/14/09	
Benzidine Cal Mix								Checked: Yes			
Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:		
Restek	31030	A066003	10/13/09	03/31/17	Hamid, Akmal	2	1ml	2000	ppm		

Veritech Control/Receipt Number: 4504											
Description								ApprovedBy: akmal		ApproveDate: 11/05/09	
8270 MegaMix								Checked: Yes			
Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:		
Restek	31850	A070659	11/04/09	04/30/11	Hamid, Akmal	2	1ml	1000	ppm		

Veritech Control/Receipt Number: 4505											
Description								ApprovedBy: akmal		ApproveDate: 11/06/09	
TCL Base-Neutral Mix								Checked: Yes			
Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:		
Supelco	47991-U	LB67896	11/06/09	06/30/12	Hamid, Akmal	1	1ml	2000	ppm		

Veritech Control/Receipt Number: 4506											
Description								ApprovedBy: akmal		ApproveDate: 11/06/09	
TCL Hazardous Substances Mix								Checked: Yes			
Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:		
Supelco	47990-U	LB64301	11/06/09	01/31/12	Hamid, Akmal	1	1ml	2000	ppm		

Veritech Control/Receipt Number: 4507											
Description								ApprovedBy: akmal		ApproveDate: 11/06/09	
TCL Phenols/Benzidines Mix								Checked: Yes			
Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:		
Supelco	47992-U	LB59885	11/06/09	07/31/11	Hamid, Akmal	1	1ml	2000	ppm		

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 4582									
Description methylene chloride							ApprovedBy: akmal ApproveDate: 12/30/09 Checked: Yes		
Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J.T.Baker	9264-03	H45S00	12/29/09	02/27/11	Lopez, Jose	120	4L	neat	neat

Veritech Control/Receipt Number: 4583									
Description Acetone							ApprovedBy: jean ApproveDate: 01/14/10 Checked: Yes		
Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J.T.Baker	9254-03	H15E22	12/29/09	07/30/11	Lopez, Jose	32	4L	neat	neat

Veritech Control/Receipt Number: 4668									
Description TCL Phenol/Benzidines Mix							ApprovedBy: jean ApproveDate: 01/29/10 Checked: Yes		
Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Supelco	47992-U	LB59885	01/29/10	07/31/11	Hamid, Akmal	1	1ml	2000	ppm

Veritech Control/Receipt Number: 4698									
Description METHYLENE CHLORIDE							ApprovedBy: jean ApproveDate: 02/17/10 Checked: Yes		
Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J T Baker	9264-03	H50S00	02/09/10	03/31/11	Okomeng, Maxwel	116	4LT	neat	neat

Veritech Control/Receipt Number: 4713									
Description Methylene Chloride							ApprovedBy: jean ApproveDate: 02/19/10 Checked: Yes		
Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J T Baker	9264-03	H50S00	02/19/10	03/31/11	Okomeng, Maxwel	4	4LT	neat	neat

Veritech Control/Receipt Number: 4715									
Description Methylene chloride							ApprovedBy: jean ApproveDate: 02/23/10 Checked: Yes		
Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J.T.Baker	9264-03	H50S00	02/23/10	03/31/11	Lopez, Jose	120	4L	neat	neat

Veritech Control/Receipt Number: 4731									
Description pyridine							ApprovedBy: jean ApproveDate: 03/11/10 Checked: Yes		
Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher	P368-500	086053	10/02/09	10/01/14	Hamid, Akmal	2	500	neat	neat

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 4787



Description
Methylene Chloride

ApprovedBy: jean
ApproveDate: 04/08/10
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J.T.Baker	9264-03	H50S00	04/06/10	03/31/11	Lopez, Jose	120	4L	neat	neat

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 1885											
Description								ApprovedBy: akmal		ApproveDate: 08/12/09	
BUTYL BENZYL PHTHALATE								Checked: Yes			
Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:		
CHEMSERVICE	PT-10	361-91B	08/09/06	04/30/11	Revolus, Jean	1	5g	NEAT			

Veritech Control/Receipt Number: 1886											
Description								ApprovedBy: akmal		ApproveDate: 08/12/09	
CARBAZOLE								Checked: Yes			
Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:		
CHEMSERVICE	F2001	364-113C	08/09/06	07/31/11	Revolus, Jean	1	2G	NEAT			

Veritech Control/Receipt Number: 2338											
Description								ApprovedBy: FRANK		ApproveDate: 11/12/09	
1,2,4-Trichlorobenzene								Checked: Yes			
Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:		
Chem Service	F8	366-78A	04/03/07	11/30/11	Hamid, Akmal	3	3g	neat	neat		

Veritech Control/Receipt Number: 2814											
Description								ApprovedBy: akmal		ApproveDate: 08/12/09	
4-CHLORO-3-METHYLPHENOL								Checked: Yes			
Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:		
CHEM SERVICE	F22	392-28A	10/16/07	10/31/10	Hamid, Akmal	1	5G	NEAT	NEAT		

Veritech Control/Receipt Number: 2845											
Description								ApprovedBy: akmal		ApproveDate: 08/12/09	
2-Methylphenol								Checked: Yes			
Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:		
chem service	F711	383-91A	10/31/07	06/30/11	Hamid, Akmal	1	5g	neat	neat		

Veritech Control/Receipt Number: 2849											
Description								ApprovedBy: akmal		ApproveDate: 08/12/09	
Fluorene								Checked: Yes			
Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:		
chem service	F80	368-40B	10/31/07	08/31/11	Hamid, Akmal	2	2g	neat	neat		

Veritech Control/Receipt Number: 2850											
Description								ApprovedBy: akmal		ApproveDate: 08/12/09	
Naphthalene								Checked: Yes			
Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:		
chem service	F55	381--115A	10/31/07	06/30/12	Hamid, Akmal	1	5g	neat	neat		

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 2851											
Description								ApprovedBy: akmal		ApproveDate: 08/12/09	
N-Nitroso-n-propylamine								Checked: Yes			
Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:		
chem service	F63	377-108B	10/31/07	06/03/11	Hamid, Akmal	2	2g	neat	neat		

Veritech Control/Receipt Number: 2852											
Description								ApprovedBy: akmal		ApproveDate: 08/12/09	
2,4-Dinitrotoluene								Checked: Yes			
Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:		
chem service	F35	371-123A	10/31/07	11/30/11	Hamid, Akmal	2	2g	neat	neat		

Veritech Control/Receipt Number: 2853											
Description								ApprovedBy: akmal		ApproveDate: 08/12/09	
Pyrene								Checked: Yes			
Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:		
chem service	F84	390-36B	10/31/07	09/12/12	Hamid, Akmal	2	2g	neat	neat		

Veritech Control/Receipt Number: 3294											
Description								ApprovedBy: jean		ApproveDate: 07/30/09	
Pentachlorophenol								Checked: Yes			
Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:		
Chem Service	F64	401-96B	04/24/08	04/30/13	Hamid, Akmal	2	1g	neat			

Veritech Control/Receipt Number: 3295											
Description								ApprovedBy: jean		ApproveDate: 07/30/09	
2,4-Dimethylphenol								Checked: Yes			
Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:		
Chem Service	F34	396-115A	04/24/08	03/31/13	Hamid, Akmal	2	1gm	neat	neat		

Veritech Control/Receipt Number: 3732											
Description								ApprovedBy: jean		ApproveDate: 07/30/09	
4-Nitrophenol								Checked: Yes			
Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:		
Supelco	F58	409-36B	11/12/08	08/31/11	Hamid, Akmal	1	5g	neat	neat		

Veritech Control/Receipt Number: 3733											
Description								ApprovedBy: jean		ApproveDate: 07/30/09	
Phenol								Checked: Yes			
Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:		
Supelco	F65	404-20B	11/12/08	05/31/14	Hamid, Akmal	1	5g	neat	neat		

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 3736									
Description						ApprovedBy: jean ApproveDate: 07/30/09 Checked: Yes			
Acenaphthene									
Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Supelco	O-782	380-77B	11/12/08	03/31/13	Hamid, Akmal	1	5g	neat	neat

Veritech Control/Receipt Number: 3742									
Description						ApprovedBy: jean ApproveDate: 07/30/09 Checked: Yes			
2-CHLOROPHENOL									
Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
SUPELCO	F24	414-90A	11/13/08	11/30/12	Hamid, Akmal	1	5g	NEAT	NEAT

Veritech Control/Receipt Number: 4257									
Description						ApprovedBy: jean ApproveDate: 07/30/09 Checked: Yes			
Acetone									
Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J.T.Baker	925403	H02E60	07/21/09	07/20/11	Lopez, Jose	4	4L	neat	neat

Veritech Control/Receipt Number: 4499									
Description						ApprovedBy: akmal ApproveDate: 10/30/09 Checked: Yes			
1,4-DICHLOROBENZENE									
Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Chem Service	F27	414-85B	10/30/09	11/30/13	Hamid, Akmal	1	5g	neat	neat

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 4538



Description
Acetone

ApprovedBy: jean
 ApproveDate: 12/04/09
 Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J.T.Baker	9254-03	H21E36	12/02/09	09/29/10	Lopez, Jose	16	4L	neat	neat

Veritech Control/Receipt Number: 4873



Description
Methylene Chloride

ApprovedBy: jean
 ApproveDate: 04/21/10
 Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J T Baker	9264-03	H50S00	04/20/10	03/31/11	Okomeng, Maxwell	120	4LT	neat	neat

Veritech Control/Receipt Number: 4913



Description
Sodium Sulfate

ApprovedBy: jean
 ApproveDate: 05/05/10
 Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Seidler	Sc-3375-1c	928501	05/04/10	05/04/12	Okomeng, Maxwell	4	100L	neat	neat

Wet Chemistry Data

VERITECH Wet Chem Form1 Analysis Summary
% Solids

TestGroupName: % Solids SM2540G

Project #: 0050304

TestGroup: %SOLIDS

Lab#	Client SampleID	Matrix	Dilution:	Result	Units:	RL	Prep Date	Analysis Date	Received Date	Collect Date
AC51387-001	PI-01-TP-RAU404	Soil	1	36	Percent			05/04/10	05/03/10	04/29/10
AC51387-002	PI-01-TP-RAU504	Soil	1	83	Percent			05/04/10	05/03/10	04/30/10
AC51387-003	PI-01-TP-RAU604	Soil	1	82	Percent			05/04/10	05/03/10	04/30/10
AC51387-004	PI-01-TP-RAT104	Soil	1	84	Percent			05/04/10	05/03/10	04/30/10
AC51387-005	PI-01-TP-RAU4D	Soil	1	36	Percent			05/04/10	05/03/10	04/30/10
AC51387-006	PI-01-TP-RAU5D	Soil	1	84	Percent			05/04/10	05/03/10	04/29/10

Analysis Type: SOLIDS-S

Batch Number: SOLIDS-S-3764

Units: Percent

Calibration Curve Information

Qc Summary Results

Qc Type	Qc Name	SpkAmt	Rec Lim	Rpd Lim	Raw Result	Recov	Rpd	Flags
DUP	AC51387-001	NA	NA	5	35.76513	NA	0.77	

Sam #	Type	MB	Result	Mdl	Per Sol	Raw Result	Tare Wt	Tare Wet	Tare Dry	Prep Date	Prep By	Anal Date	Anal By
AC51387-001	DUP		36			35.765	1.09	12.33	5.11			05/04/10	BEEN
AC51387-001	Sample		36			36.043	1.09	12.16	5.08			05/04/10	BEEN
AC51387-002	Sample		83			83.161	1.09	12.67	10.72			05/04/10	BEEN
AC51387-003	Sample		82			81.677	1.09	12.66	10.54			05/04/10	BEEN
AC51387-004	Sample		84			83.612	1.09	12.44	10.58			05/04/10	BEEN
AC51387-005	Sample		36			35.864	1.09	12.55	5.2			05/04/10	BEEN
AC51387-006	Sample		84			84.404	1.09	12.76	10.94			05/04/10	BEEN
AC51389-001	Sample		82			82.171	1.09	12.42	10.4			05/04/10	BEEN
AC51389-003	Sample		84			83.583	1.09	12.42	10.56			05/04/10	BEEN
AC51389-005	Sample		82			82.049	1.1	12.91	10.79			05/04/10	BEEN
AC51390-001	Sample		89			89.492	1.1	12.9	11.66			05/04/10	BEEN
AC51390-002	Sample		89			89.005	1.09	12.55	11.29			05/04/10	BEEN
AC51390-003	Sample		89			89.196	1.09	12.66	11.41			05/04/10	BEEN
AC51390-004	Sample		88			87.713	1.1	12.25	10.88			05/04/10	BEEN
AC51393-001	Sample		86			86.087	1.09	12.59	10.99			05/04/10	BEEN
AC51337-002	Sample		92			92.108	1.1	12.25	11.37			05/04/10	BEEN
AC51337-003	Sample		89			88.928	1.1	12.57	11.3			05/04/10	BEEN
AC51396-001	Sample		75			74.799	1.09	12.28	9.46			05/04/10	BEEN
AC51396-002	Sample		83			82.946	1.1	12.71	10.73			05/04/10	BEEN
AC51396-003	Sample		32			32.119	1.12	12.92	4.91			05/04/10	BEEN
AC51396-004	Sample		73			73.489	1.11	12.69	9.62			05/04/10	BEEN

CLC
5/4/10

Flag Codes: Ra - Recovery failed specified criteria (PVS/MBS/MS/MSD/ICV/CAL)
Na - Not Applicable

Rp - RPD failed specified criteria.

Nc - Not Checked ..either one or both values =ND