UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 1
OFFICE OF ENVIRONMENTAL MEASUREMENT & EVALUATION
60 WESTVIEW STREET
LEXINGTON, MASSACHUSETTS 02421-3185

File 3/29/99

SEMS DocID 594136

Superfund Records Center
SITE: American Glue & Resin
BREAK: 2.3
OTHER: 594136

DATE: March 22, 1999

SUBJ: Gas Chromatography-Mass Spectrometry Analysis of Extractable Organics in Soils and Sediments - **AMERICAN GLUE & RESIN**

FROM: Dick Siscanaw, Chemistry Section

THRU: Dr. William J. Andrade, Advanced Analytical Chemistry Specialist

TO: Gilberto Irizarry

PROJECT NUMBER: 99187

ANALYTICAL PROCEDURE:

All samples were received and logged in by the laboratory according to the SOP for Sample Log-in (EIA-ADMLOGN2.SOP, 716/98).

EPA Region 1 Procedure: Standard Operating Procedure for the Extraction of Semi-volatile Compounds in Soil / Sediment Samples by Pressurized Fluid Extraction, BNASPFE1.SOP. All the values are reported on a dry weight basis.

The analytical support for this report was performed by ESAT contractors.

Date(s) Samples Received by the Laboratory: 03/03/99

Date Analysis Started: 03/09/99

cc:

File: J:\CHEMSTRY\REPORTS\BNA\99187SB.WPD

EPA-New England
Project and Request Form

SURVEY NAME: AMERICAN GLUE & RESIN

DATE: 03/03/99

PROJECT NUMBER: 99187

DATE LOGGED IN: 03/03/99

MATRIX: SOIL

DUE DATE: 03/24/99

ANALYST:

ACCT NO: TFAX01ZZLA00

PARAMETER: BNA_ML

METHOD: BNASOML4

REQUESTING ANALYSIS: GILBERTO IRIZARRY

SAMPLE NUMBERS: 67827
67828
67829
67830
67831
67832
67833
67834
67835
67836

QUALITY CONTROL:
LAB BLANK:
DUPLICATE:
MATRIX:
MATRIX SPIKE SOLUTION:
MATRIX SPIKE VOLUME:
SURROGATES:
SURROGATE SOLUTION:
SURROGATE VOLUME:
QUALITY CONTROL SAMPLE:
MISCELLANEOUS:
NOTES:

Steph:
- multiply by 1000
- must use the surrogate report for Rec. on dilutions
D'

REPORT INFORMATION:
DATE OF REPORT: 3/12/99
FILE NAME: 99187SO.BNA
LOTUS FORMAT: BNASOML. (old one RL = 2.1 mg/kg)
WORDPROCESSING FORMAT: BNASOIL.MED
REQUESTING REPORT: Gilberto IRIZARRY
ANALYSTS: Dick Sisinnaw
DATE OF ANALYSIS: 3/9/99

NOTES:

Have to divide by 1000

Chemist who reviewed the data:

Holding times meet (Y/N):
Extraction (Water - 7 days, Soils - 14 days)
Analytical (30 days after extraction)

Method Modification:

Limitations of the data:

Laboratory Blank Problems:

Instrument Performance Problems:

Surrogate and Spike Recovery Problems:

Data Usability:

Additional Comments:

Some ~~Samples had to be diluted because of~~ the ~~of background~~

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QUALITY CONTROL:

1. A laboratory blank was processed with the samples.

2. Each sample was spiked with 20 ug of base/neutral and 40 ug of acid surrogate compounds. The results for the surrogate recoveries are reported out for each sample.

3. One sample, 67827, was spiked with 20 ug of base/neutral and 40 ug of acid matrix spike compounds. The results for the analyses are reported on the following pages.

(Cont.)

U.S. EPA REGION I LABORATORY
Semivolatile Organic Analyses
SOIL MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Sample No.: 67827
Date(s) Analyzed: 03/12/99

Compound	Spike Added (ug/Kg)	Sample Conc. (ug/Kg)	MS Conc. (ug/Kg)	MS % Rec	QC Limits Rec
Phenol	46000	0	33000	72	26-90
2-Chlorophenol	46000	0	30000	65	25-102
1,4-Dichlorobenzene	23000	0	14000	61	28-104
N-Nitroso-di-n-prop.(1)	23000	0	15000	65	41-126
1,2,4-Trichlorobenzene	23000	0	16000	70	38-107
4-Chloro-3-methylphenol	46000	0	41000	89	26-103
Acenaphthene	23000	0	18000	78	31-137
4-Nitrophenol	46000	0	50000	109	11-114
2,4-Dinitrotoluene	23000	0	20000	87	28-89
Pentachlorophenol	46000	0	28000	61	17-109
Pyrene	23000	800	21000	88	35-142

Compound	Spike Added (ug/Kg)	MSD Conc. (ug/Kg)	MSD % Rec	% RPD	QC LIMITS RPD	QC LIMITS Rec
Phenol	43000	33000	77	7	35	26-90
2-Chlorophenol	43000	31000	72	10	50	25-102
1,4-Dichlorobenzene	22000	13000	59	3	27	28-104
N-Nitroso-di-n-prop.(I)	22000	15000	68	5	38	41-126
1,2,4-Trichlorobenzene	22000	15000	68	3	23	38-107
4-Chloro-3-methylphenol	43000	37000	86	3	33	26-103
Acenaphthene	22000	17000	77	1	19	31-137
4-Nitrophenol	43000	43000	100	9	50	11-114
2,4-Dinitrotoluene	22000	18000	82	6	47	28-89
Pentachlorophenol	43000	29000	67	9	47	17-109
Pyrene	22000	19000	83	6	36	35-142

(1) N-Nitroso-di-n-propylamine

RPD: 0 out of 11 outside limits
Spike Recovery: 0 out of 22 outside limits

(Cont.)

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67827 MS & MSD results (continued)

COMPOUNDS NOT IN THE SPIKING SOLUTION:

Target Compounds	Matrix (ug/Kg)		Matrix Dup (ug/Kg)	
Phenanthrene	0.89	L	0.28	L
Fluoranthene	1.5	L	0.70	L
Benz(a)anthracene	0.42	L	ND	
Chrysene	0.59	L	0.28	L
Benzo(b)fluoranthene	0.61	L	0.30	L
Benzo(k)fluoranthene	0.26	L	ND	
Benzo(a)pyrene	0.45	L	ND	

Tentatively Identified Compounds	Est. Conc. (ug/Kg)		Est. Conc. (ug/Kg)	
Unknown	ND		1.0	J,B
C26 hydrocarbon	1.0	J	ND	
Unknown	2.0	J,B	2.0	J,B
Unknown	2.0	J,B	2.0	J,B
C30 hydrocarbon	ND		1.0	J

Recoveries for Surrogate Compounds:	MS Rec. (%)	MSD Rec. (%)	QC Range (%)
2-Fluorophenol	69	73	25-121
Phenol,d5	73	76	24-113
Nitrobenzene,d5	71	75	23-120
Fluorobiphenyl	77	79	30-115
2,4,6-Tribromophenol	93	89	19-122
p-Terphenyl,d14	90	89	18-137
2-Chlorophenol-d4	65	72	20-130
1,2-Dichlorobenzene-d4	55	58	20-130

NOTE: Phthalates (1,2-Benzenedicarboxylic esters) and adipates (hexanedioic esters) are common method contaminants. Values at the detection levels are most likely due to method contamination.

SAMPLES ANALYZED: BLANK, 67827, 67827 MS, 67827 MSD, 67828, 67829, 67830, 67831, 67832, 67833, 67834, 67835, 67836

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ANALYTICAL PARAMETERS

INSTRUMENTS:

Hewlett Packard 5890 Gas Chromatograph
Hewlett Packard 5973 Gas Chromatograph-Mass Spectrometer

GC/FID Screening Conditions:

Gas:	Hydrogen
Capillary Column:	DB-5, 30m, 0.32mm ID, 0.10 micron film thickness
Injection Mode:	Splitless
Temperature Program:	Isothermal for 3 min at 40°C, programmed at 15°C/min to 320°C for 3 min

GC-MS Conditions:

Gas:	Helium
Capillary Column:	DB-5, 60m, 0.25mm ID, 0.25 micron film thickness
Injection Mode:	Splitless
Temperature Program:	Isothermal for 4 min at 40°C, programmed at 7°C/min to 300°C
Injector, Transfer Temperatures:	300°C, 290°C
Electron Energy:	70 V
Mass Range:	35-550
Scan Rate:	0.9 seconds

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Chemist who reviewed data: Dick Siscanaw

Holding times meet (Y/N): Yes
Extraction (Water - 7 days, Soils - 14 days)
Analytical (40 days after extraction)

Method modifications: None

Limitations of data: None

Laboratory blank problems: None

Instrument performance problems: None

Surrogate and spike recovery problems: None

Additional comments: None

FACILITY SAMPLED: AMERICAN GLUE & RESIN

US ENVIRONMENTAL PROTECTION AGENCY
REGION I LABORATORY
GC/MS EXTRACTABLE ORGANIC ANALYSIS

SAMPLE NO.: BLANK
DATE OF COLLECTION: NOT APPLICABLE
DATE OF EXTRACTION: 03/09/99
DATE OF ANALYSIS: 03/12/99
WET WEIGHT EXTRACTED: 5.0 g
DRY WEIGHT EXTRACTED: 5.0 g

Matrix: Soil
Percent Moisture 0
Conc. Final Vol. 1000 uL
Dilution Factor 1.0
Report Factor 0.60

SAMPLE RESULTS:

CAS NO.	STORET NO.	Compound	Conc. (mg/Kg)	RL (mg/Kg)	Qualifier or Comment
		Priority Pollutants			
83-32-9	34205	Acenaphthene	ND	1.3	
208-96-8	34200	Acenaphthylene	ND	1.3	
120-12-7	34220	Anthracene	ND	1.3	
309-00-2	39330	Aldrin	ND	1.3	
56-55-3	34526	Benzo(a)anthracene	ND	1.3	
205-99-2	34230	Benzo(b)fluoranthene	ND	1.3	
207-08-9	34242	Benzo(k)fluoranthene	ND	1.3	
50-32-8	34247	Benzo(a)pyrene	ND	1.3	
191-24-2	34521	Benzo(ghi)perylene	ND	1.3	
85-68-7	34292	Butyl Benzyl Phthalate	ND	1.3	
319-85-7	39338	beta-BHC	ND	1.3	
319-86-8	34259	delta-BHC	ND	1.3	
111-44-4	34273	Bis(2-chloroethyl)ether	ND	1.3	
111-91-1	34278	Bis(2-chloroethoxy)methane	ND	1.3	
117-81-7	39100	Bis(2-ethylhexyl)phthalate	ND	1.3	
108-60-1	34283	Bis(2-chloroisopropyl)ether	ND	1.3	
101-55-3	34636	4-Bromophenylphenyl ether	ND	1.3	
86-74-8		Carbazole	ND	1.3	
59-50-7	34452	4-Chloro-3-methylphenol	ND	2.5	
91-58-7	34581	2-Chloronaphthalene	ND	1.3	
95-57-8	34586	2-Chlorophenol	ND	2.5	
7005-72-3	34641	4-Chlorophenylphenyl ether	ND	1.3	
218-01-9	34320	Chrysene	ND	1.3	
72-54-8	39310	4,4'-DDD	ND	1.3	
72-55-9	39320	4,4'-DDE	ND	1.3	
50-29-3	39300	4,4'-DDT	ND	1.3	
53-70-3	34556	Dibenzo(a,h)anthracene	ND	1.3	
84-74-2	39110	Di-n-butylphthalate	ND	1.3	
541-73-1	34566	1,3-Dichlorobenzene	ND	1.3	

(con't)

US ENVIRONMENTAL PROTECTION AGENCY
REGION I LABORATORY
GC/MS EXTRACTABLE ORGANIC ANALYSIS

SAMPLE NO.: BLANK
Sample Results Continued:

CAS NO.	STORET NO.	Compound	Conc. (mg/Kg)	RL (mg/Kg)	Qualifier or Comment
95-50-1	34536	1,2-Dichlorobenzene	ND	1.3	
106-46-7	34571	1,4-Dichlorobenzene	ND	1.3	
91-94-1	34631	3,3'-Dichlorobenzidine	ND	1.3	
120-83-2	34601	2,4-Dichlorophenol	ND	2.5	
60-57-1	39380	Dieldrin	ND	1.3	
84-66-2	34336	Diethylphthalate	ND	1.3	
105-67-9	34606	2-4-Dimethylphenol	ND	2.5	
131-11-3	34341	Dimethylphthalate	ND	1.3	
534-52-1	34657	4,6-Dinitro-2-methyl phenol	ND	2.5	
51-28-5	34616	2,4-Dinitrophenol	ND	2.5	
121-14-2	34611	2,4-Dinitrotoluene	ND	1.3	
606-20-2	34626	2,6-Dinitrotoluene	ND	1.3	
117-84-0	34596	Di-n-octylphthalate	ND	1.3	
206-44-0	34376	Fluoranthene	ND	1.3	
86-73-7	34381	Fluorene	ND	1.3	
76-44-8	39410	Heptachlor	ND	1.3	
1024-57-3	39420	Heptachlor epoxide	ND	1.3	
118-74-1	39700	Hexachlorobenzene	ND	1.3	
87-68-3	34391	Hexachlorobutadiene	ND	1.3	
77-47-4	34386	Hexachlorocyclopentadiene	ND	1.3	
67-72-1	34396	Hexachloroethane	ND	1.3	
193-39-5	34403	Indeno(1,2,3-cd)pyrene	ND	1.3	
78-59-1	34408	Isophorone	ND	1.3	
91-20-3	34696	Naphthalene	ND	1.3	
98-95-3	34447	Nitrobenzene	ND	1.3	
88-75-5	34591	2-Nitrophenol	ND	2.5	
100-02-7	34646	4-Nitrophenol	ND	2.5	
86-30-3	34433	N-Nitrosodiphenylamine	ND	1.3	
621-64-7	34428	N-Nitrosodi-n-propylamine	ND	1.3	
87-86-5	39032	Pentachlorophenol	ND	2.5	
85-01-8	34461	Phenanthrene	ND	1.3	
108-95-2	34694	Phenol	ND	2.5	
129-00-0	34469	Pyrene	ND	1.3	

(con't)

US ENVIRONMENTAL PROTECTION AGENCY
REGION I LABORATORY
GC/MS EXTRACTABLE ORGANIC ANALYSIS

SAMPLE NO.: BLANK
Sample Results Continued:

CAS NO.	STORET NO.	Compound	Conc. (mg/Kg)	RL (mg/Kg)	Qualifier or Comment
120-82-1	34551	1,2,4-Trichlorobenzene	ND	1.3	
88-06-2	34621	2,4,6-Trichlorophenol	ND	2.5	
		Hazardous Substances			
65-53-3	77089	Aniline	ND	1.3	
65-85-0	77247	Benzoic Acid	ND	2.5	
100-51-6	77147	Benzyl Alcohol	ND	1.3	
106-47-8		4-Chloroaniline	ND	1.3	
132-64-9	81302	Dibenzofuran	ND	1.3	
91-57-6		2-Methylnaphthalene	ND	1.3	
95-48-7		2-Methylphenol	ND	1.3	
106-44-5		4-Methylphenol	ND	1.3	
88-74-4		2-Nitroaniline	ND	1.3	
99-09-2		3-Nitroaniline	ND	1.3	
100-01-6		4-Nitroaniline	ND	1.3	
95-95-4	34621	2,4,5-Trichlorophenol	ND	1.3	
		Other Compounds Quantitated			
		None detected	ND	1.3	

Tentatively Identified Compounds	Est. Conc. (mg/Kg)	
Unknown	2.0	J
Unknown	3.0	J
Unknown	1.0	J

US ENVIRONMENTAL PROTECTION AGENCY
REGION I LABORATORY
GC/MS EXTRACTABLE ORGANIC ANALYSIS

SAMPLE NO.: BLANK
Sample Results Continued:

Sample Recoveries For Surrogate Compounds:	Recoveries (%)	QC Range (%)
2-Fluorophenol	82	25-121
Phenol,d5	89	24-113
Nitrobenzene,d5	74	23-120
Fluorobiphenyl	78	30-115
2,4,6-Tribromophenol	79	19-122
p-Terphenyl,d14	91	18-137
2-Chlorophenol-d4	82	20-130
1,2-Dichlorobenzene-d4	70	20-130

Notes:

RL = Reporting limit
ND = None detected
~ = Approximate
< = Less than
> = Greater than
NA = Not available, due to sample dilution or interference
E = Estimated value exceeds the calibration range
L = Estimated value is below the calibration range
B = Analyte is associated with the lab blank or trip blank contamination. Values are qualified when the observed concentration of the contaminant in the sample extract is less than ten times the concentration in the blank extract for the common contaminants (phthalates and adipates), or less than five times for the remaining contaminants.
C = This compound is confirmation for the pesticide analyses. See the pesticide report for the quantitation
A = Suspected aldolcondensation product
J = Estimated value

FACILITY SAMPLED: AMERICAN GLUE & RESIN

US ENVIRONMENTAL PROTECTION AGENCY
REGION I LABORATORY
GC/MS EXTRACTABLE ORGANIC ANALYSIS

SAMPLE NO.: 67827 Matrix: Soil
DATE OF COLLECTION: 03/02/99 Percent Moisture 12
DATE OF EXTRACTION: 03/09/99 Conc. Final Vol. 1000 uL
DATE OF ANALYSIS: 03/12/99 Dilution Factor 1.0
WET WEIGHT EXTRACTED: 5.1 g Report Factor 0.67
DRY WEIGHT EXTRACTED: 4.51 g

SAMPLE RESULTS:

CAS NO.	STORET NO.	Compound	Conc. (mg/Kg)	RL (mg/Kg)	Qualifier or Comment
		Priority Pollutants			
83-32-9	34205	Acenaphthene	ND	1.4	
208-96-8	34200	Acenaphthylene	ND	1.4	
120-12-7	34220	Anthracene	ND	1.4	
309-00-2	39330	Aldrin	ND	1.4	
56-55-3	**34526**	**Benzo(a)anthracene**	**0.42**	**1.4**	**L**
205-99-2	**34230**	**Benzo(b)fluoranthene**	**0.58**	**1.4**	**L**
207-08-9	34242	Benzo(k)fluoranthene	ND	1.4	
50-32-8	**34247**	**Benzo(a)pyrene**	**0.39**	**1.4**	**L**
191-24-2	34521	Benzo(ghi)perylene	ND	1.4	
85-68-7	34292	Butyl Benzyl Phthalate	ND	1.4	
319-85-7	39338	beta-BHC	ND	1.4	
319-86-8	34259	delta-BHC	ND	1.4	
111-44-4	34273	Bis(2-chloroethyl)ether	ND	1.4	
111-91-1	34278	Bis(2-chloroethoxy)methane	ND	1.4	
117-81-7	39100	Bis(2-ethylhexyl)phthalate	ND	1.4	
108-60-1	34283	Bis(2-chloroisopropyl)ether	ND	1.4	
101-55-3	34636	4-Bromophenylphenyl ether	ND	1.4	
86-74-8		Carbazole	ND	1.4	
59-50-7	34452	4-Chloro-3-methylphenol	ND	2.8	
91-58-7	34581	2-Chloronaphthalene	ND	1.4	
95-57-8	34586	2-Chlorophenol	ND	2.8	
7005-72-3	34641	4-Chlorophenylphenyl ether	ND	1.4	
218-01-9	**34320**	**Chrysene**	**0.50**	**1.4**	**L**
72-54-8	39310	4,4'-DDD	ND	1.4	
72-55-9	39320	4,4'-DDE	ND	1.4	
50-29-3	39300	4,4'-DDT	ND	1.4	
53-70-3	34556	Dibenzo(a,h)anthracene	ND	1.4	
84-74-2	39110	Di-n-butylphthalate	ND	1.4	
541-73-1	34566	1,3-Dichlorobenzene	ND	1.4	

(con't)

US ENVIRONMENTAL PROTECTION AGENCY
REGION I LABORATORY
GC/MS EXTRACTABLE ORGANIC ANALYSIS

SAMPLE NO.: 67827
Sample Results Continued:

CAS NO.	STORET NO.	Compound	Conc. (mg/Kg)	RL (mg/Kg)	Qualifier or Comment
95-50-1	34536	1,2-Dichlorobenzene	ND	1.4	
106-46-7	34571	1,4-Dichlorobenzene	ND	1.4	
91-94-1	34631	3,3'-Dichlorobenzidine	ND	1.4	
120-83-2	34601	2,4-Dichlorophenol	ND	2.8	
60-57-1	39380	Dieldrin	ND	1.4	
84-66-2	34336	Diethylphthalate	ND	1.4	
105-67-9	34606	2-4-Dimethylphenol	ND	2.8	
131-11-3	34341	Dimethylphthalate	ND	1.4	
534-52-1	34657	4,6-Dinitro-2-methyl phenol	ND	2.8	
51-28-5	34616	2,4-Dinitrophenol	ND	2.8	
121-14-2	34611	2,4-Dinitrotoluene	ND	1.4	
606-20-2	34626	2,6-Dinitrotoluene	ND	1.4	
117-84-0	34596	Di-n-octylphthalate	ND	1.4	
206-44-0	**34376**	**Fluoranthene**	**0.99**	**1.4**	**L**
86-73-7	34381	Fluorene	ND	1.4	
76-44-8	39410	Heptachlor	ND	1.4	
1024-57-3	39420	Heptachlor epoxide	ND	1.4	
118-74-1	39700	Hexachlorobenzene	ND	1.4	
87-68-3	34391	Hexachlorobutadiene	ND	1.4	
77-47-4	34386	Hexachlorocyclopentadiene	ND	1.4	
67-72-1	34396	Hexachloroethane	ND	1.4	
193-39-5	34403	Indeno(1,2,3-cd)pyrene	ND	1.4	
78-59-1	34408	Isophorone	ND	1.4	
91-20-3	34696	Naphthalene	ND	1.4	
98-95-3	34447	Nitrobenzene	ND	1.4	
88-75-5	34591	2-Nitrophenol	ND	2.8	
100-02-7	34646	4-Nitrophenol	ND	2.8	
86-30-3	34433	N-Nitrosodiphenylamine	ND	1.4	
621-64-7	34428	N-Nitrosodi-n-propylamine	ND	1.4	
87-86-5	39032	Pentachlorophenol	ND	2.8	
85-01-8	**34461**	**Phenanthrene**	**0.54**	**1.4**	**L**
108-95-2	34694	Phenol	ND	2.8	
129-00-0	**34469**	**Pyrene**	**0.80**	**1.4**	**L**

(con't)

US ENVIRONMENTAL PROTECTION AGENCY
REGION I LABORATORY
GC/MS EXTRACTABLE ORGANIC ANALYSIS

SAMPLE NO.: 67827
Sample Results Continued:

CAS NO.	STORET NO.	Compound	Conc. (mg/Kg)	RL (mg/Kg)	Qualifier or Comment
120-82-1	34551	1,2,4-Trichlorobenzene	ND	1.4	
88-06-2	34621	2,4,6-Trichlorophenol	ND	2.8	
		Hazardous Substances			
65-53-3	77089	Aniline	ND	1.4	
65-85-0	77247	Benzoic Acid	ND	2.8	
100-51-6	77147	Benzyl Alcohol	ND	1.4	
106-47-8		4-Chloroaniline	ND	1.4	
132-64-9	81302	Dibenzofuran	ND	1.4	
91-57-6		2-Methylnaphthalene	ND	1.4	
95-48-7		2-Methylphenol	ND	1.4	
106-44-5		4-Methylphenol	ND	1.4	
88-74-4		2-Nitroaniline	ND	1.4	
99-09-2		3-Nitroaniline	ND	1.4	
100-01-6		4-Nitroaniline	ND	1.4	
95-95-4	34621	2,4,5-Trichlorophenol	ND	1.4	
		Other Compounds Quantitated			
		None Detected	ND	1.4	

Tentatively Identified Compounds	Est. Conc. (mg/Kg)	
C26 hydrocarbon	0.70	J
Unknown	1.0	J,B
C28 hydrocarbon	1.0	J

US ENVIRONMENTAL PROTECTION AGENCY
REGION I LABORATORY
GC/MS EXTRACTABLE ORGANIC ANALYSIS

SAMPLE NO.: 67827
Sample Results Continued:

Sample Recoveries For Surrogate Compounds:	Recoveries (%)	QC Range (%)
2-Fluorophenol	74	25-121
Phenol,d5	78	24-113
Nitrobenzene,d5	62	23-120
Fluorobiphenyl	68	30-115
2,4,6-Tribromophenol	79	19-122
p-Terphenyl,d14	87	18-137
2-Chlorophenol-d4	71	20-130
1,2-Dichlorobenzene-d4	57	20-130

FACILITY SAMPLED: AMERICAN GLUE & RESIN

US ENVIRONMENTAL PROTECTION AGENCY
REGION I LABORATORY
GC/MS EXTRACTABLE ORGANIC ANALYSIS

SAMPLE NO.: 67828 Matrix: Soil
DATE OF COLLECTION: 03/02/99 Percent Moisture 15
DATE OF EXTRACTION: 03/09/99 Conc. Final Vol. 1000 uL
DATE OF ANALYSIS: 03/12/99 Dilution Factor 1.0
WET WEIGHT EXTRACTED: 5.1 g Report Factor 0.69
DRY WEIGHT EXTRACTED: 4.4 g

SAMPLE RESULTS:

CAS NO.	STORET NO.	Compound	Conc. (mg/Kg)	RL (mg/Kg)	Qualifier or Comment
		Priority Pollutants			
83-32-9	34205	Acenaphthene	ND	1.4	
208-96-8	34200	Acenaphthylene	ND	1.4	
120-12-7	34220	Anthracene	ND	1.4	
309-00-2	39330	Aldrin	ND	1.4	
56-55-3	34526	Benzo(a)anthracene	ND	1.4	
205-99-2	34230	Benzo(b)fluoranthene	ND	1.4	
207-08-9	34242	Benzo(k)fluoranthene	ND	1.4	
50-32-8	34247	Benzo(a)pyrene	ND	1.4	
191-24-2	34521	Benzo(ghi)perylene	ND	1.4	
85-68-7	34292	Butyl Benzyl Phthalate	ND	1.4	
319-85-7	39338	beta-BHC	ND	1.4	
319-86-8	34259	delta-BHC	ND	1.4	
111-44-4	34273	Bis(2-chloroethyl)ether	ND	1.4	
111-91-1	34278	Bis(2-chloroethoxy)methane	ND	1.4	
117-81-7	**39100**	**Bis(2-ethylhexyl)phthalate**	**0.25**	**1.4**	**L**
108-60-1	34283	Bis(2-chloroisopropyl)ether	ND	1.4	
101-55-3	34636	4-Bromophenylphenyl ether	ND	1.4	
86-74-8		Carbazole	ND	1.4	
59-50-7	34452	4-Chloro-3-methylphenol	ND	2.9	
91-58-7	34581	2-Chloronaphthalene	ND	1.4	
95-57-8	34586	2-Chlorophenol	ND	2.9	
7005-72-3	34641	4-Chlorophenylphenyl ether	ND	1.4	
218-01-9	34320	Chrysene	ND	1.4	
72-54-8	39310	4,4'-DDD	ND	1.4	
72-55-9	39320	4,4'-DDE	ND	1.4	
50-29-3	39300	4,4'-DDT	ND	1.4	
53-70-3	34556	Dibenzo(a,h)anthracene	ND	1.4	
84-74-2	39110	Di-n-butylphthalate	ND	1.4	
541-73-1	34566	1,3-Dichlorobenzene	ND	1.4	

(con't)

US ENVIRONMENTAL PROTECTION AGENCY
REGION I LABORATORY
GC/MS EXTRACTABLE ORGANIC ANALYSIS

SAMPLE NO.: 67828
Sample Results Continued:

CAS NO.	STORET NO.	Compound	Conc. (mg/Kg)	RL (mg/Kg)	Qualifier or Comment
95-50-1	34536	1,2-Dichlorobenzene	ND	1.4	
106-46-7	34571	1,4-Dichlorobenzene	ND	1.4	
91-94-1	34631	3,3'-Dichlorobenzidine	ND	1.4	
120-83-2	34601	2,4-Dichlorophenol	ND	2.9	
60-57-1	39380	Dieldrin	ND	1.4	
84-66-2	34336	Diethylphthalate	ND	1.4	
105-67-9	34606	2-4-Dimethylphenol	ND	2.9	
131-11-3	34341	Dimethylphthalate	ND	1.4	
534-52-1	34657	4,6-Dinitro-2-methyl phenol	ND	2.9	
51-28-5	34616	2,4-Dinitrophenol	ND	2.9	
121-14-2	34611	2,4-Dinitrotoluene	ND	1.4	
606-20-2	34626	2,6-Dinitrotoluene	ND	1.4	
117-84-0	34596	Di-n-octylphthalate	ND	1.4	
206-44-0	**34376**	**Fluoranthene**	**0.33**	**1.4**	**L**
86-73-7	34381	Fluorene	ND	1.4	
76-44-8	39410	Heptachlor	ND	1.4	
1024-57-3	39420	Heptachlor epoxide	ND	1.4	
118-74-1	39700	Hexachlorobenzene	ND	1.4	
87-68-3	34391	Hexachlorobutadiene	ND	1.4	
77-47-4	34386	Hexachlorocyclopentadiene	ND	1.4	
67-72-1	34396	Hexachloroethane	ND	1.4	
193-39-5	34403	Indeno(1,2,3-cd)pyrene	ND	1.4	
78-59-1	34408	Isophorone	ND	1.4	
91-20-3	34696	Naphthalene	ND	1.4	
98-95-3	34447	Nitrobenzene	ND	1.4	
88-75-5	34591	2-Nitrophenol	ND	2.9	
100-02-7	34646	4-Nitrophenol	ND	2.9	
86-30-3	34433	N-Nitrosodiphenylamine	ND	1.4	
621-64-7	34428	N-Nitrosodi-n-propylamine	ND	1.4	
87-86-5	39032	Pentachlorophenol	ND	2.9	
85-01-8	34461	Phenanthrene	ND	1.4	
108-95-2	34694	Phenol	ND	2.9	
129-00-0	**34469**	**Pyrene**	**0.30**	**1.4**	**L**

(con't)

US ENVIRONMENTAL PROTECTION AGENCY
REGION I LABORATORY
GC/MS EXTRACTABLE ORGANIC ANALYSIS

SAMPLE NO.: 67828
Sample Results Continued:

CAS NO.	STORET NO.	Compound	Conc. (mg/Kg)	RL (mg/Kg)	Qualifier or Comment
120-82-1	34551	1,2,4-Trichlorobenzene	ND	1.4	
88-06-2	34621	2,4,6-Trichlorophenol	ND	2.9	
		Hazardous Substances			
65-53-3	77089	Aniline	ND	1.4	
65-85-0	77247	Benzoic Acid	ND	2.9	
100-51-6	77147	Benzyl Alcohol	ND	1.4	
106-47-8		4-Chloroaniline	ND	1.4	
132-64-9	81302	Dibenzofuran	ND	1.4	
91-57-6		2-Methylnaphthalene	ND	1.4	
95-48-7		2-Methylphenol	ND	1.4	
106-44-5		4-Methylphenol	ND	1.4	
88-74-4		2-Nitroaniline	ND	1.4	
99-09-2		3-Nitroaniline	ND	1.4	
100-01-6		4-Nitroaniline	ND	1.4	
95-95-4	34621	2,4,5-Trichlorophenol	ND	1.4	
		Other Compounds Quantitated			
		None Detected	ND	1.4	

Tentatively Identified Compounds	Est. Conc. (mg/Kg)	
Unknown carboxylic acid	2.0	J
Unknown carboxylic acid	2.0	J
C28 hydrocarbon	2.0	J
C30 hydrocarbon	3.0	J
Unknown	1.0	J

US ENVIRONMENTAL PROTECTION AGENCY
REGION I LABORATORY
GC/MS EXTRACTABLE ORGANIC ANALYSIS

SAMPLE NO.: 67828
Sample Results Continued:

Sample Recoveries For Surrogate Compounds:	Recoveries (%)	QC Range (%)
2-Fluorophenol	81	25-121
Phenol,d5	90	24-113
Nitrobenzene,d5	72	23-120
Fluorobiphenyl	78	30-115
2,4,6-Tribromophenol	82	19-122
p-Terphenyl,d14	82	18-137
2-Chlorophenol-d4	80	20-130
1,2-Dichlorobenzene-d4	63	20-130

FACILITY SAMPLED: AMERICAN GLUE & RESIN

US ENVIRONMENTAL PROTECTION AGENCY
REGION I LABORATORY
GC/MS EXTRACTABLE ORGANIC ANALYSIS

SAMPLE NO.: 67829 | Matrix: Soil
DATE OF COLLECTION: 03/02/99 | Percent Moisture 79
DATE OF EXTRACTION: 03/09/99 | Conc. Final Vol. 1000 uL
DATE OF ANALYSIS: 03/13/99 | Dilution Factor 2.0
WET WEIGHT EXTRACTED: 5.1 g | Report Factor 5.5
DRY WEIGHT EXTRACTED: 1.1 g

SAMPLE RESULTS:

CAS NO.	STORET NO.	Compound	Conc. (mg/Kg)	RL (mg/Kg)	Qualifier or Comment
		Priority Pollutants			
83-32-9	34205	Acenaphthene	ND	12	
208-96-8	34200	Acenaphthylene	ND	12	
120-12-7	34220	Anthracene	ND	12	
309-00-2	39330	Aldrin	ND	12	
56-55-3	34526	Benzo(a)anthracene	ND	12	
205-99-2	34230	Benzo(b)fluoranthene	ND	12	
207-08-9	34242	Benzo(k)fluoranthene	ND	12	
50-32-8	34247	Benzo(a)pyrene	ND	12	
191-24-2	34521	Benzo(ghi)perylene	ND	12	
85-68-7	34292	Butyl Benzyl Phthalate	ND	12	
319-85-7	39338	beta-BHC	ND	12	
319-86-8	34259	delta-BHC	ND	12	
111-44-4	34273	Bis(2-chloroethyl)ether	ND	12	
111-91-1	34278	Bis(2-chloroethoxy)methane	ND	12	
117-81-7	39100	Bis(2-ethylhexyl)phthalate	ND	12	
108-60-1	34283	Bis(2-chloroisopropyl)ether	ND	12	
101-55-3	34636	4-Bromophenylphenyl ether	ND	12	
86-74-8		Carbazole	ND	12	
59-50-7	34452	4-Chloro-3-methylphenol	ND	23	
91-58-7	34581	2-Chloronaphthalene	ND	12	
95-57-8	34586	2-Chlorophenol	ND	23	
7005-72-3	34641	4-Chlorophenylphenyl ether	ND	12	
218-01-9	34320	Chrysene	ND	12	
72-54-8	39310	4,4'-DDD	ND	12	
72-55-9	39320	4,4'-DDE	ND	12	
50-29-3	39300	4,4'-DDT	ND	12	
53-70-3	34556	Dibenzo(a,h)anthracene	ND	12	
84-74-2	39110	Di-n-butylphthalate	ND	12	
541-73-1	34566	1,3-Dichlorobenzene	ND	12	

(con't)

US ENVIRONMENTAL PROTECTION AGENCY
REGION I LABORATORY
GC/MS EXTRACTABLE ORGANIC ANALYSIS

SAMPLE NO.: 67829
Sample Results Continued:

CAS NO.	STORET NO.	Compound	Conc. (mg/Kg)	RL (mg/Kg)	Qualifier or Comment
95-50-1	34536	1,2-Dichlorobenzene	ND	12	
106-46-7	34571	1,4-Dichlorobenzene	ND	12	
91-94-1	34631	3,3'-Dichlorobenzidine	ND	12	
120-83-2	34601	2,4-Dichlorophenol	ND	23	
60-57-1	39380	Dieldrin	ND	12	
84-66-2	34336	Diethylphthalate	ND	12	
105-67-9	34606	2-4-Dimethylphenol	ND	23	
131-11-3	**34341**	**Dimethylphthalate**	**48**	**12**	
534-52-1	34657	4,6-Dinitro-2-methyl phenol	ND	23	
51-28-5	34616	2,4-Dinitrophenol	ND	23	
121-14-2	34611	2,4-Dinitrotoluene	ND	12	
606-20-2	34626	2,6-Dinitrotoluene	ND	12	
117-84-0	34596	Di-n-octylphthalate	ND	12	
206-44-0	34376	Fluoranthene	ND	12	
86-73-7	34381	Fluorene	ND	12	
76-44-8	39410	Heptachlor	ND	12	
1024-57-3	39420	Heptachlor epoxide	ND	12	
118-74-1	39700	Hexachlorobenzene	ND	12	
87-68-3	34391	Hexachlorobutadiene	ND	12	
77-47-4	34386	Hexachlorocyclopentadiene	ND	12	
67-72-1	34396	Hexachloroethane	ND	12	
193-39-5	34403	Indeno(1,2,3-cd)pyrene	ND	12	
78-59-1	34408	Isophorone	ND	12	
91-20-3	34696	Naphthalene	ND	12	
98-95-3	34447	Nitrobenzene	ND	12	
88-75-5	34591	2-Nitrophenol	ND	23	
100-02-7	34646	4-Nitrophenol	ND	23	
86-30-3	34433	N-Nitrosodiphenylamine	ND	12	
621-64-7	34428	N-Nitrosodi-n-propylamine	ND	12	
87-86-5	39032	Pentachlorophenol	ND	23	
85-01-8	34461	Phenanthrene	ND	12	
108-95-2	**34694**	**Phenol**	**14**	**23**	**L**
129-00-0	34469	Pyrene	ND	12	

(con't)

US ENVIRONMENTAL PROTECTION AGENCY
REGION I LABORATORY
GC/MS EXTRACTABLE ORGANIC ANALYSIS

SAMPLE NO.: 67829
Sample Results Continued:

CAS NO.	STORET NO.	Compound	Conc. (mg/Kg)	RL (mg/Kg)	Qualifier or Comment
120-82-1	34551	1,2,4-Trichlorobenzene	ND	12	
88-06-2	34621	2,4,6-Trichlorophenol	ND	23	
		Hazardous Substances			
65-53-3	77089	Aniline	ND	12	
65-85-0	77247	Benzoic Acid	ND	23	
100-51-6	77147	Benzyl Alcohol	ND	12	
106-47-8		4-Chloroaniline	ND	12	
132-64-9	81302	Dibenzofuran	ND	12	
91-57-6		2-Methylnaphthalene	ND	12	
95-48-7		2-Methylphenol	ND	12	
106-44-5		4-Methylphenol	ND	12	
88-74-4		2-Nitroaniline	ND	12	
99-09-2		3-Nitroaniline	ND	12	
100-01-6		4-Nitroaniline	ND	12	
95-95-4	34621	2,4,5-Trichlorophenol	ND	12	
		Other Compounds Quantitated			
		None Detected	ND	12	

Tentatively Identified Compounds	Est. Conc. (mg/Kg)	
Unknown hydrocarbon-C26	70	J
Unknown hydrocarbon-C26	80	J
Unknown hydrocarbon-C28	90	J
Unknown hydrocarbon-C28	80	J
Unknown hydrocarbon-C32	80	J

US ENVIRONMENTAL PROTECTION AGENCY
REGION I LABORATORY
GC/MS EXTRACTABLE ORGANIC ANALYSIS

SAMPLE NO.: 67829
Sample Results Continued:

Sample Recoveries For Surrogate Compounds:	Recoveries (%)	QC Range (%)
2-Fluorophenol	94	25-121
Phenol,d5	106	24-113
Nitrobenzene,d5	91	23-120
Fluorobiphenyl	91	30-115
2,4,6-Tribromophenol	100	19-122
p-Terphenyl,d14	90	18-137
2-Chlorophenol-d4	99	20-130
1,2-Dichlorobenzene-d4	76	20-130

FACILITY SAMPLED: AMERICAN GLUE & RESIN

US ENVIRONMENTAL PROTECTION AGENCY
REGION I LABORATORY
GC/MS EXTRACTABLE ORGANIC ANALYSIS

SAMPLE NO.: 67830 Matrix: Soil
DATE OF COLLECTION: 03/02/99 Percent Moisture 20
DATE OF EXTRACTION: 03/09/99 Conc. Final Vol. 1000 uL
DATE OF ANALYSIS: 03/13/99 Dilution Factor 10.0
WET WEIGHT EXTRACTED: 5.2 g Report Factor 14.5
DRY WEIGHT EXTRACTED: 4.1 g

SAMPLE RESULTS:

CAS NO.	STORET NO.	Compound	Conc. (mg/Kg)	RL (mg/Kg)	Qualifier or Comment
		Priority Pollutants			
83-32-9	34205	Acenaphthene	ND	30	
208-96-8	34200	Acenaphthylene	ND	30	
120-12-7	34220	Anthracene	ND	30	
309-00-2	39330	Aldrin	ND	30	
56-55-3	34526	Benzo(a)anthracene	ND	30	
205-99-2	34230	Benzo(b)fluoranthene	ND	30	
207-08-9	34242	Benzo(k)fluoranthene	ND	30	
50-32-8	34247	Benzo(a)pyrene	ND	30	
191-24-2	34521	Benzo(ghi)perylene	ND	30	
85-68-7	**34292**	**Butyl Benzyl Phthalate**	**2700**	**30**	
319-85-7	39338	beta-BHC	ND	30	
319-86-8	34259	delta-BHC	ND	30	
111-44-4	34273	Bis(2-chloroethyl)ether	ND	30	
111-91-1	34278	Bis(2-chloroethoxy)methane	ND	30	
117-81-7	**39100**	**Bis(2-ethylhexyl)phthalate**	**11**	**30**	**L**
108-60-1	34283	Bis(2-chloroisopropyl)ether	ND	30	
101-55-3	34636	4-Bromophenylphenyl ether	ND	30	
86-74-8		Carbazole	ND	30	
59-50-7	34452	4-Chloro-3-methylphenol	ND	61	
91-58-7	34581	2-Chloronaphthalene	ND	30	
95-57-8	34586	2-Chlorophenol	ND	61	
7005-72-3	34641	4-Chlorophenylphenyl ether	ND	30	
218-01-9	34320	Chrysene	ND	30	
72-54-8	39310	4,4'-DDD	ND	30	
72-55-9	39320	4,4'-DDE	ND	30	
50-29-3	39300	4,4'-DDT	ND	30	
53-70-3	34556	Dibenzo(a,h)anthracene	ND	30	
84-74-2	**39110**	**Di-n-butylphthalate**	**27**	**30**	**L**
541-73-1	34566	1,3-Dichlorobenzene	ND	30	

(con't)

US ENVIRONMENTAL PROTECTION AGENCY
REGION I LABORATORY
GC/MS EXTRACTABLE ORGANIC ANALYSIS

SAMPLE NO.: 67830
Sample Results Continued:

CAS NO.	STORET NO.	Compound	Conc. (mg/Kg)	RL (mg/Kg)	Qualifier or Comment
95-50-1	34536	1,2-Dichlorobenzene	ND	30	
106-46-7	34571	1,4-Dichlorobenzene	ND	30	
91-94-1	34631	3,3'-Dichlorobenzidine	ND	30	
120-83-2	34601	2,4-Dichlorophenol	ND	61	
60-57-1	39380	Dieldrin	ND	30	
84-66-2	34336	Diethylphthalate	ND	30	
105-67-9	34606	2-4-Dimethylphenol	ND	61	
131-11-3	34341	Dimethylphthalate	ND	30	
534-52-1	34657	4,6-Dinitro-2-methyl phenol	ND	61	
51-28-5	34616	2,4-Dinitrophenol	ND	61	
121-14-2	34611	2,4-Dinitrotoluene	ND	30	
606-20-2	34626	2,6-Dinitrotoluene	ND	30	
117-84-0	34596	Di-n-octylphthalate	ND	30	
206-44-0	34376	Fluoranthene	ND	30	
86-73-7	34381	Fluorene	ND	30	
76-44-8	39410	Heptachlor	ND	30	
1024-57-3	39420	Heptachlor epoxide	ND	30	
118-74-1	39700	Hexachlorobenzene	ND	30	
87-68-3	34391	Hexachlorobutadiene	ND	30	
77-47-4	34386	Hexachlorocyclopentadiene	ND	30	
67-72-1	34396	Hexachloroethane	ND	30	
193-39-5	34403	Indeno(1,2,3-cd)pyrene	ND	30	
78-59-1	34408	Isophorone	ND	30	
91-20-3	34696	Naphthalene	ND	30	
98-95-3	34447	Nitrobenzene	ND	30	
88-75-5	34591	2-Nitrophenol	ND	61	
100-02-7	34646	4-Nitrophenol	ND	61	
86-30-3	34433	N-Nitrosodiphenylamine	ND	30	
621-64-7	34428	N-Nitrosodi-n-propylamine	ND	30	
87-86-5	39032	Pentachlorophenol	ND	61	
85-01-8	34461	Phenanthrene	ND	30	
108-95-2	34694	Phenol	ND	61	
129-00-0	34469	Pyrene	ND	30	

(con't)

US ENVIRONMENTAL PROTECTION AGENCY
REGION I LABORATORY
GC/MS EXTRACTABLE ORGANIC ANALYSIS

SAMPLE NO.: 67830
Sample Results Continued:

CAS NO.	STORET NO.	Compound	Conc. (mg/Kg)	RL (mg/Kg)	Qualifier or Comment
120-82-1	34551	1,2,4-Trichlorobenzene	ND	30	
88-06-2	34621	2,4,6-Trichlorophenol	ND	61	
		Hazardous Substances			
65-53-3	77089	Aniline	ND	30	
65-85-0	77247	Benzoic Acid	ND	61	
100-51-6	77147	Benzyl Alcohol	ND	30	
106-47-8		4-Chloroaniline	ND	30	
132-64-9	81302	Dibenzofuran	ND	30	
91-57-6		2-Methylnaphthalene	ND	30	
95-48-7		2-Methylphenol	ND	30	
106-44-5		4-Methylphenol	ND	30	
88-74-4		2-Nitroaniline	ND	30	
99-09-2		3-Nitroaniline	ND	30	
100-01-6		4-Nitroaniline	ND	30	
95-95-4	34621	2,4,5-Trichlorophenol	ND	30	
		Other Compounds Quantitated			
		None Detected	ND	30	

Tentatively Identified Compounds	Est. Conc. (mg/Kg)	
Octicizer	30	J
Dibenyl phthalate	200	J
Unknown hydrocarbon-C32	20	J

US ENVIRONMENTAL PROTECTION AGENCY
REGION I LABORATORY
GC/MS EXTRACTABLE ORGANIC ANALYSIS

SAMPLE NO.: 67830
Sample Results Continued:

Sample Recoveries For Surrogate Compounds:	Recoveries (%)	QC Range (%)
2-Fluorophenol	96	25-121
Phenol,d5	101	24-113
Nitrobenzene,d5	75	23-120
Fluorobiphenyl	87	30-115
2,4,6-Tribromophenol	84	19-122
p-Terphenyl,d14	91	18-137
2-Chlorophenol-d4	99	20-130
1,2-Dichlorobenzene-d4	75	20-130

FACILITY SAMPLED: AMERICAN GLUE & RESIN

US ENVIRONMENTAL PROTECTION AGENCY
REGION I LABORATORY
GC/MS EXTRACTABLE ORGANIC ANALYSIS

SAMPLE NO.: 67831 Matrix: Soil
DATE OF COLLECTION: 03/02/99 Percent Moisture 52
DATE OF EXTRACTION: 03/09/99 Conc. Final Vol. 1000 uL
DATE OF ANALYSIS: 03/14/99 Dilution Factor 1.0
WET WEIGHT EXTRACTED: 5.0 g Report Factor 1.2
DRY WEIGHT EXTRACTED: 2.4 g

SAMPLE RESULTS:

CAS NO.	STORET NO.	Compound	Conc. (mg/Kg)	RL (mg/Kg)	Qualifier or Comment
		Priority Pollutants			
83-32-9	34205	Acenaphthene	ND	2.5	
208-96-8	34200	Acenaphthylene	ND	2.5	
120-12-7	34220	Anthracene	ND	2.5	
309-00-2	39330	Aldrin	ND	2.5	
56-55-3	34526	Benzo(a)anthracene	ND	2.5	
205-99-2	34230	Benzo(b)fluoranthene	ND	2.5	
207-08-9	34242	Benzo(k)fluoranthene	ND	2.5	
50-32-8	34247	Benzo(a)pyrene	ND	2.5	
191-24-2	34521	Benzo(ghi)perylene	ND	2.5	
85-68-7	**34292**	**Butyl Benzyl Phthalate**	**1.8**	**2.5**	**L**
319-85-7	39338	beta-BHC	ND	2.5	
319-86-8	34259	delta-BHC	ND	2.5	
111-44-4	34273	Bis(2-chloroethyl)ether	ND	2.5	
111-91-1	34278	Bis(2-chloroethoxy)methane	ND	2.5	
117-81-7	**39100**	**Bis(2-ethylhexyl)phthalate**	**1.2**	**2.5**	**L**
108-60-1	34283	Bis(2-chloroisopropyl)ether	ND	2.5	
101-55-3	34636	4-Bromophenylphenyl ether	ND	2.5	
86-74-8		Carbazole	ND	2.5	
59-50-7	34452	4-Chloro-3-methylphenol	ND	5.0	
91-58-7	34581	2-Chloronaphthalene	ND	2.5	
95-57-8	34586	2-Chlorophenol	ND	5.0	
7005-72-3	34641	4-Chlorophenylphenyl ether	ND	2.5	
218-01-9	34320	Chrysene	ND	2.5	
72-54-8	39310	4,4'-DDD	ND	2.5	
72-55-9	39320	4,4'-DDE	ND	2.5	
50-29-3	39300	4,4'-DDT	ND	2.5	
53-70-3	34556	Dibenzo(a,h)anthracene	ND	2.5	
84-74-2	**39110**	**Di-n-butylphthalate**	**7.2**	**2.5**	
541-73-1	34566	1,3-Dichlorobenzene	ND	2.5	

(con't)

US ENVIRONMENTAL PROTECTION AGENCY
REGION I LABORATORY
GC/MS EXTRACTABLE ORGANIC ANALYSIS

SAMPLE NO.: 67831
Sample Results Continued:

CAS NO.	STORET NO.	Compound	Conc. (mg/Kg)	RL (mg/Kg)	Qualifier or Comment
95-50-1	34536	1,2-Dichlorobenzene	ND	2.5	
106-46-7	34571	1,4-Dichlorobenzene	ND	2.5	
91-94-1	34631	3,3'-Dichlorobenzidine	ND	2.5	
120-83-2	34601	2,4-Dichlorophenol	ND	5.0	
60-57-1	39380	Dieldrin	ND	2.5	
84-66-2	34336	Diethylphthalate	ND	2.5	
105-67-9	34606	2-4-Dimethylphenol	ND	5.0	
131-11-3	34341	Dimethylphthalate	ND	2.5	
534-52-1	34657	4,6-Dinitro-2-methyl phenol	ND	5.0	
51-28-5	34616	2,4-Dinitrophenol	ND	5.0	
121-14-2	34611	2,4-Dinitrotoluene	ND	2.5	
606-20-2	34626	2,6-Dinitrotoluene	ND	2.5	
117-84-0	34596	Di-n-octylphthalate	ND	2.5	
206-44-0	34376	Fluoranthene	ND	2.5	
86-73-7	34381	Fluorene	ND	2.5	
76-44-8	39410	Heptachlor	ND	2.5	
1024-57-3	39420	Heptachlor epoxide	ND	2.5	
118-74-1	39700	Hexachlorobenzene	ND	2.5	
87-68-3	34391	Hexachlorobutadiene	ND	2.5	
77-47-4	34386	Hexachlorocyclopentadiene	ND	2.5	
67-72-1	34396	Hexachloroethane	ND	2.5	
193-39-5	34403	Indeno(1,2,3-cd)pyrene	ND	2.5	
78-59-1	34408	Isophorone	ND	2.5	
91-20-3	34696	Naphthalene	ND	2.5	
98-95-3	34447	Nitrobenzene	ND	2.5	
88-75-5	34591	2-Nitrophenol	ND	5.0	
100-02-7	34646	4-Nitrophenol	ND	5.0	
86-30-3	34433	N-Nitrosodiphenylamine	ND	2.5	
621-64-7	34428	N-Nitrosodi-n-propylamine	ND	2.5	
87-86-5	39032	Pentachlorophenol	ND	5.0	
85-01-8	34461	Phenanthrene	ND	2.5	
108-95-2	34694	Phenol	ND	5.0	
129-00-0	34469	Pyrene	ND	2.5	

(con't)

US ENVIRONMENTAL PROTECTION AGENCY
REGION I LABORATORY
GC/MS EXTRACTABLE ORGANIC ANALYSIS

SAMPLE NO.: 67831
Sample Results Continued:

CAS NO.	STORET NO.	Compound	Conc. (mg/Kg)	RL (mg/Kg)	Qualifier or Comment
120-82-1	34551	1,2,4-Trichlorobenzene	ND	2.5	
88-06-2	34621	2,4,6-Trichlorophenol	ND	5.0	
		Hazardous Substances			
65-53-3	77089	Aniline	ND	2.5	
65-85-0	77247	Benzoic Acid	ND	5.0	
100-51-6	77147	Benzyl Alcohol	ND	2.5	
106-47-8		4-Chloroaniline	ND	2.5	
132-64-9	81302	Dibenzofuran	ND	2.5	
91-57-6		2-Methylnaphthalene	ND	2.5	
95-48-7		2-Methylphenol	ND	2.5	
106-44-5		4-Methylphenol	ND	2.5	
88-74-4		2-Nitroaniline	ND	2.5	
99-09-2		3-Nitroaniline	ND	2.5	
100-01-6		4-Nitroaniline	ND	2.5	
95-95-4	34621	2,4,5-Trichlorophenol	ND	2.5	
		Other Compounds Quantitated			
		None Detected	ND	2.5	
		Tentatively Identified Compounds	Est. Conc. (mg/Kg)		
		Unknown	10		J
		Unknown	10		J
		N-propyl-benazmide (isomer)	7.0		J
		N-propyl-benzamide (isomer)	9.0		J
		Unknown hydrocarbon-C28	6.0		J

US ENVIRONMENTAL PROTECTION AGENCY
REGION I LABORATORY
GC/MS EXTRACTABLE ORGANIC ANALYSIS

SAMPLE NO.: 67831
Sample Results Continued:

Sample Recoveries For Surrogate Compounds:	Recoveries (%)	QC Range (%)
2-Fluorophenol	66	25-121
Phenol,d5	80	24-113
Nitrobenzene,d5	71	23-120
Fluorobiphenyl	76	30-115
2,4,6-Tribromophenol	45	19-122
p-Terphenyl,d14	69	18-137
2-Chlorophenol-d4	74	20-130
1,2-Dichlorobenzene-d4	64	20-130

FACILITY SAMPLED: AMERICAN GLUE & RESIN

US ENVIRONMENTAL PROTECTION AGENCY
REGION I LABORATORY
GC/MS EXTRACTABLE ORGANIC ANALYSIS

SAMPLE NO.: 67832
DATE OF COLLECTION: 03/02/99
DATE OF EXTRACTION: 03/09/99
DATE OF ANALYSIS: 03/14/99
WET WEIGHT EXTRACTED: 5.0 g
DRY WEIGHT EXTRACTED: 4.4 g

Matrix: Soil
Percent Moisture 13
Conc. Final Vol. 1000 uL
Dilution Factor 2.0
Report Factor 2.8

SAMPLE RESULTS:

CAS NO.	STORET NO.	Compound	Conc. (mg/Kg)	RL (mg/Kg)	Qualifier or Comment
		Priority Pollutants			
83-32-9	34205	Acenaphthene	ND	5.9	
208-96-8	34200	Acenaphthylene	ND	5.9	
120-12-7	34220	Anthracene	ND	5.9	
309-00-2	39330	Aldrin	ND	5.9	
56-55-3	34526	Benzo(a)anthracene	ND	5.9	
205-99-2	34230	Benzo(b)fluoranthene	ND	5.9	
207-08-9	34242	Benzo(k)fluoranthene	ND	5.9	
50-32-8	34247	Benzo(a)pyrene	ND	5.9	
191-24-2	34521	Benzo(ghi)perylene	ND	5.9	
85-68-7	**34292**	**Butyl Benzyl Phthalate**	**18**	**5.9**	
319-85-7	39338	beta-BHC	ND	5.9	
319-86-8	34259	delta-BHC	ND	5.9	
111-44-4	34273	Bis(2-chloroethyl)ether	ND	5.9	
111-91-1	34278	Bis(2-chloroethoxy)methane	ND	5.9	
117-81-7	**39100**	**Bis(2-ethylhexyl)phthalate**	**4.6**	**5.9**	**L**
108-60-1	34283	Bis(2-chloroisopropyl)ether	ND	5.9	
101-55-3	34636	4-Bromophenylphenyl ether	ND	5.9	
86-74-8		Carbazole	ND	5.9	
59-50-7	34452	4-Chloro-3-methylphenol	ND	12	
91-58-7	34581	2-Chloronaphthalene	ND	5.9	
95-57-8	34586	2-Chlorophenol	ND	12	
7005-72-3	34641	4-Chlorophenylphenyl ether	ND	5.9	
218-01-9	**34320**	**Chrysene**	**0.99**	**5.9**	**L**
72-54-8	39310	4,4'-DDD	ND	5.9	
72-55-9	39320	4,4'-DDE	ND	5.9	
50-29-3	39300	4,4'-DDT	ND	5.9	
53-70-3	34556	Dibenzo(a,h)anthracene	ND	5.9	
84-74-2	39110	Di-n-butylphthalate	ND	5.9	
541-73-1	34566	1,3-Dichlorobenzene	ND	5.9	

(con't)

US ENVIRONMENTAL PROTECTION AGENCY
REGION I LABORATORY
GC/MS EXTRACTABLE ORGANIC ANALYSIS

SAMPLE NO.: 67832
Sample Results Continued:

CAS NO.	STORET NO.	Compound	Conc. (mg/Kg)	RL (mg/Kg)	Qualifier or Comment
95-50-1	34536	1,2-Dichlorobenzene	ND	5.9	
106-46-7	34571	1,4-Dichlorobenzene	ND	5.9	
91-94-1	34631	3,3'-Dichlorobenzidine	ND	5.9	
120-83-2	34601	2,4-Dichlorophenol	ND	12	
60-57-1	39380	Dieldrin	ND	5.9	
84-66-2	34336	Diethylphthalate	ND	5.9	
105-67-9	34606	2-4-Dimethylphenol	ND	12	
131-11-3	34341	Dimethylphthalate	ND	5.9	
534-52-1	34657	4,6-Dinitro-2-methyl phenol	ND	12	
51-28-5	34616	2,4-Dinitrophenol	ND	12	
121-14-2	34611	2,4-Dinitrotoluene	ND	5.9	
606-20-2	34626	2,6-Dinitrotoluene	ND	5.9	
117-84-0	34596	Di-n-octylphthalate	ND	5.9	
206-44-0	**34376**	**Fluoranthene**	**1.7**	**5.9**	**L**
86-73-7	34381	Fluorene	ND	5.9	
76-44-8	39410	Heptachlor	ND	5.9	
1024-57-3	39420	Heptachlor epoxide	ND	5.9	
118-74-1	39700	Hexachlorobenzene	ND	5.9	
87-68-3	34391	Hexachlorobutadiene	ND	5.9	
77-47-4	34386	Hexachlorocyclopentadiene	ND	5.9	
67-72-1	34396	Hexachloroethane	ND	5.9	
193-39-5	34403	Indeno(1,2,3-cd)pyrene	ND	5.9	
78-59-1	34408	Isophorone	ND	5.9	
91-20-3	34696	Naphthalene	ND	5.9	
98-95-3	34447	Nitrobenzene	ND	5.9	
88-75-5	34591	2-Nitrophenol	ND	12	
100-02-7	34646	4-Nitrophenol	ND	12	
86-30-3	34433	N-Nitrosodiphenylamine	ND	5.9	
621-64-7	34428	N-Nitrosodi-n-propylamine	ND	5.9	
87-86-5	39032	Pentachlorophenol	ND	12	
85-01-8	34461	Phenanthrene	ND	5.9	
108-95-2	34694	Phenol	ND	12	
129-00-0	**34469**	**Pyrene**	**0.92**	**5.9**	**L**

(con't)

US ENVIRONMENTAL PROTECTION AGENCY
REGION I LABORATORY
GC/MS EXTRACTABLE ORGANIC ANALYSIS

SAMPLE NO.: 67832
Sample Results Continued:

CAS NO.	STORET NO.	Compound	Conc. (mg/Kg)	RL (mg/Kg)	Qualifier or Comment
120-82-1	34551	1,2,4-Trichlorobenzene	ND	5.9	
88-06-2	34621	2,4,6-Trichlorophenol	ND	12	
		Hazardous Substances			
65-53-3	77089	Aniline	ND	5.9	
65-85-0	77247	Benzoic Acid	ND	12	
100-51-6	77147	Benzyl Alcohol	ND	5.9	
106-47-8		4-Chloroaniline	ND	5.9	
132-64-9	81302	Dibenzofuran	ND	5.9	
91-57-6		2-Methylnaphthalene	ND	5.9	
95-48-7		2-Methylphenol	ND	5.9	
106-44-5		4-Methylphenol	ND	5.9	
88-74-4		2-Nitroaniline	ND	5.9	
99-09-2		3-Nitroaniline	ND	5.9	
100-01-6		4-Nitroaniline	ND	5.9	
95-95-4	34621	2,4,5-Trichlorophenol	ND	5.9	
		Other Compounds Quantitated			
		None Detected	ND	5.9	

Tentatively Identified Compounds	Est. Conc. (mg/Kg)	
Unknown hydrocarbon-C18	20	J
Unknown hydrocarbon-C30	30	J
Unknown hydrocarbon-C30	20	J
Unknown	40	J
Unknown	90	J

US ENVIRONMENTAL PROTECTION AGENCY
REGION I LABORATORY
GC/MS EXTRACTABLE ORGANIC ANALYSIS

SAMPLE NO.: 67832
Sample Results Continued:

Sample Recoveries For Surrogate Compounds:	Recoveries (%)	QC Range (%)
2-Fluorophenol	72	25-121
Phenol,d5	92	24-113
Nitrobenzene,d5	64	23-120
Fluorobiphenyl	88	30-115
2,4,6-Tribromophenol	98	19-122
p-Terphenyl,d14	98	18-137
2-Chlorophenol-d4	78	20-130
1,2-Dichlorobenzene-d4	56	20-130

FACILITY SAMPLED: AMERICAN GLUE & RESIN

US ENVIRONMENTAL PROTECTION AGENCY
REGION I LABORATORY
GC/MS EXTRACTABLE ORGANIC ANALYSIS

SAMPLE NO.:	67833	Matrix:	Soil
DATE OF COLLECTION:	03/02/99	Percent Moisture	17
DATE OF EXTRACTION:	03/09/99	Conc. Final Vol.	1000 uL
DATE OF ANALYSIS:	03/14/99	Dilution Factor	1.0
WET WEIGHT EXTRACTED:	5.1 g	Report Factor	0.71
DRY WEIGHT EXTRACTED:	4.2 g		

SAMPLE RESULTS:

CAS NO.	STORET NO.	Compound	Conc. (mg/Kg)	RL (mg/Kg)	Qualifier or Comment
		Priority Pollutants			
83-32-9	34205	Acenaphthene	ND	1.5	
208-96-8	34200	Acenaphthylene	ND	1.5	
120-12-7	34220	Anthracene	ND	1.5	
309-00-2	39330	Aldrin	ND	1.5	
56-55-3	34526	Benzo(a)anthracene	ND	1.5	
205-99-2	34230	Benzo(b)fluoranthene	ND	1.5	
207-08-9	34242	Benzo(k)fluoranthene	ND	1.5	
50-32-8	34247	Benzo(a)pyrene	ND	1.5	
191-24-2	34521	Benzo(ghi)perylene	ND	1.5	
85-68-7	**34292**	**Butyl Benzyl Phthalate**	**0.30**	**1.5**	**L**
319-85-7	39338	beta-BHC	ND	1.5	
319-86-8	34259	delta-BHC	ND	1.5	
111-44-4	34273	Bis(2-chloroethyl)ether	ND	1.5	
111-91-1	34278	Bis(2-chloroethoxy)methane	ND	1.5	
117-81-7	**39100**	**Bis(2-ethylhexyl)phthalate**	**0.26**	**1.5**	**L**
108-60-1	34283	Bis(2-chloroisopropyl)ether	ND	1.5	
101-55-3	34636	4-Bromophenylphenyl ether	ND	1.5	
86-74-8		Carbazole	ND	1.5	
59-50-7	34452	4-Chloro-3-methylphenol	ND	3.0	
91-58-7	34581	2-Chloronaphthalene	ND	1.5	
95-57-8	34586	2-Chlorophenol	ND	3.0	
7005-72-3	34641	4-Chlorophenylphenyl ether	ND	1.5	
218-01-9	34320	Chrysene	ND	1.5	
72-54-8	39310	4,4'-DDD	ND	1.5	
72-55-9	39320	4,4'-DDE	ND	1.5	
50-29-3	39300	4,4'-DDT	ND	1.5	
53-70-3	34556	Dibenzo(a,h)anthracene	ND	1.5	
84-74-2	39110	Di-n-butylphthalate	ND	1.5	
541-73-1	34566	1,3-Dichlorobenzene	ND	1.5	

(con't)

US ENVIRONMENTAL PROTECTION AGENCY
REGION I LABORATORY
GC/MS EXTRACTABLE ORGANIC ANALYSIS

SAMPLE NO.: 67833
Sample Results Continued:

CAS NO.	STORET NO.	Compound	Conc. (mg/Kg)	RL (mg/Kg)	Qualifier or Comment
95-50-1	34536	1,2-Dichlorobenzene	ND	1.5	
106-46-7	34571	1,4-Dichlorobenzene	ND	1.5	
91-94-1	34631	3,3'-Dichlorobenzidine	ND	1.5	
120-83-2	34601	2,4-Dichlorophenol	ND	3.0	
60-57-1	39380	Dieldrin	ND	1.5	
84-66-2	34336	Diethylphthalate	ND	1.5	
105-67-9	34606	2-4-Dimethylphenol	ND	3.0	
131-11-3	34341	Dimethylphthalate	ND	1.5	
534-52-1	34657	4,6-Dinitro-2-methyl phenol	ND	3.0	
51-28-5	34616	2,4-Dinitrophenol	ND	3.0	
121-14-2	34611	2,4-Dinitrotoluene	ND	1.5	
606-20-2	34626	2,6-Dinitrotoluene	ND	1.5	
117-84-0	34596	Di-n-octylphthalate	ND	1.5	
206-44-0	34376	Fluoranthene	ND	1.5	
86-73-7	34381	Fluorene	ND	1.5	
76-44-8	39410	Heptachlor	ND	1.5	
1024-57-3	39420	Heptachlor epoxide	ND	1.5	
118-74-1	39700	Hexachlorobenzene	ND	1.5	
87-68-3	34391	Hexachlorobutadiene	ND	1.5	
77-47-4	34386	Hexachlorocyclopentadiene	ND	1.5	
67-72-1	34396	Hexachloroethane	ND	1.5	
193-39-5	34403	Indeno(1,2,3-cd)pyrene	ND	1.5	
78-59-1	34408	Isophorone	ND	1.5	
91-20-3	**34696**	**Naphthalene**	**0.42**	**1.5**	**L**
98-95-3	34447	Nitrobenzene	ND	1.5	
88-75-5	34591	2-Nitrophenol	ND	3.0	
100-02-7	34646	4-Nitrophenol	ND	3.0	
86-30-3	34433	N-Nitrosodiphenylamine	ND	1.5	
621-64-7	34428	N-Nitrosodi-n-propylamine	ND	1.5	
87-86-5	39032	Pentachlorophenol	ND	3.0	
85-01-8	34461	Phenanthrene	ND	1.5	
108-95-2	34694	Phenol	ND	3.0	
129-00-0	34469	Pyrene	ND	1.5	

(con't)

US ENVIRONMENTAL PROTECTION AGENCY
REGION I LABORATORY
GC/MS EXTRACTABLE ORGANIC ANALYSIS

SAMPLE NO.: 67833
Sample Results Continued:

CAS NO.	STORET NO.	Compound	Conc. (mg/Kg)	RL (mg/Kg)	Qualifier or Comment
120-82-1	34551	1,2,4-Trichlorobenzene	ND	1.5	
88-06-2	34621	2,4,6-Trichlorophenol	ND	3.0	
		Hazardous Substances			
65-53-3	77089	Aniline	ND	1.5	
65-85-0	77247	Benzoic Acid	ND	3.0	
100-51-6	77147	Benzyl Alcohol	ND	1.5	
106-47-8		4-Chloroaniline	ND	1.5	
132-64-9	81302	Dibenzofuran	ND	1.5	
91-57-6		2-Methylnaphthalene	ND	1.5	
95-48-7		2-Methylphenol	ND	1.5	
106-44-5		4-Methylphenol	ND	1.5	
88-74-4		2-Nitroaniline	ND	1.5	
99-09-2		3-Nitroaniline	ND	1.5	
100-01-6		4-Nitroaniline	ND	1.5	
95-95-4	34621	2,4,5-Trichlorophenol	ND	1.5	
		Other Compounds Quantitated			
		None Detected	ND	1.5	

Tentatively Identified Compounds	Est. Conc. (mg/Kg)	Qualifier or Comment
Bis(2-ethylhexyl)hexanedioic acid	10	J
Unknown hydrocarbon-C28	1.0	J

US ENVIRONMENTAL PROTECTION AGENCY
REGION I LABORATORY
GC/MS EXTRACTABLE ORGANIC ANALYSIS

SAMPLE NO.: 67833
Sample Results Continued:

Sample Recoveries For Surrogate Compounds:	Recoveries (%)	QC Range (%)
2-Fluorophenol	84	25-121
Phenol,d5	91	24-113
Nitrobenzene,d5	75	23-120
Fluorobiphenyl	80	30-115
2,4,6-Tribromophenol	73	19-122
p-Terphenyl,d14	79	18-137
2-Chlorophenol-d4	85	20-130
1,2-Dichlorobenzene-d4	70	20-130

FACILITY SAMPLED: AMERICAN GLUE & RESIN

US ENVIRONMENTAL PROTECTION AGENCY
REGION I LABORATORY
GC/MS EXTRACTABLE ORGANIC ANALYSIS

SAMPLE NO.: 67834 Matrix: Soil
DATE OF COLLECTION: 03/02/99 Percent Moisture 46
DATE OF EXTRACTION: 03/09/99 Conc. Final Vol. 2000 uL
DATE OF ANALYSIS: 03/14/99 Dilution Factor 1.0
WET WEIGHT EXTRACTED: 5.2 g Report Factor 2.1
DRY WEIGHT EXTRACTED: 2.8 g

SAMPLE RESULTS:

CAS NO.	STORET NO.	Compound	Conc. (mg/Kg)	RL (mg/Kg)	Qualifier or Comment
		Priority Pollutants			
83-32-9	34205	Acenaphthene	ND	4.4	
208-96-8	34200	Acenaphthylene	ND	4.4	
120-12-7	34220	Anthracene	ND	4.4	
309-00-2	39330	Aldrin	ND	4.4	
56-55-3	34526	Benzo(a)anthracene	ND	4.4	
205-99-2	34230	Benzo(b)fluoranthene	ND	4.4	
207-08-9	34242	Benzo(k)fluoranthene	ND	4.4	
50-32-8	34247	Benzo(a)pyrene	ND	4.4	
191-24-2	34521	Benzo(ghi)perylene	ND	4.4	
85-68-7	**34292**	**Butyl Benzyl Phthalate**	**0.97**	**4.4**	**L**
319-85-7	39338	beta-BHC	ND	4.4	
319-86-8	34259	delta-BHC	ND	4.4	
111-44-4	34273	Bis(2-chloroethyl)ether	ND	4.4	
111-91-1	34278	Bis(2-chloroethoxy)methane	ND	4.4	
117-81-7	**39100**	**Bis(2-ethylhexyl)phthalate**	**19**	**4.4**	
108-60-1	34283	Bis(2-chloroisopropyl)ether	ND	4.4	
101-55-3	34636	4-Bromophenylphenyl ether	ND	4.4	
86-74-8		Carbazole	ND	4.4	
59-50-7	34452	4-Chloro-3-methylphenol	ND	8.8	
91-58-7	34581	2-Chloronaphthalene	ND	4.4	
95-57-8	34586	2-Chlorophenol	ND	8.8	
7005-72-3	34641	4-Chlorophenylphenyl ether	ND	4.4	
218-01-9	34320	Chrysene	ND	4.4	
72-54-8	39310	4,4'-DDD	ND	4.4	
72-55-9	39320	4,4'-DDE	ND	4.4	
50-29-3	39300	4,4'-DDT	ND	4.4	
53-70-3	34556	Dibenzo(a,h)anthracene	ND	4.4	
84-74-2	39110	Di-n-butylphthalate	ND	4.4	
541-73-1	34566	1,3-Dichlorobenzene	ND	4.4	

(con't)

US ENVIRONMENTAL PROTECTION AGENCY
REGION I LABORATORY
GC/MS EXTRACTABLE ORGANIC ANALYSIS

SAMPLE NO.: 67834
Sample Results Continued:

CAS NO.	STORET NO.	Compound	Conc. (mg/Kg)	RL (mg/Kg)	Qualifier or Comment
95-50-1	34536	1,2-Dichlorobenzene	ND	4.4	
106-46-7	34571	1,4-Dichlorobenzene	ND	4.4	
91-94-1	34631	3,3'-Dichlorobenzidine	ND	4.4	
120-83-2	34601	2,4-Dichlorophenol	ND	8.8	
60-57-1	39380	Dieldrin	ND	4.4	
84-66-2	34336	Diethylphthalate	ND	4.4	
105-67-9	34606	2-4-Dimethylphenol	ND	8.8	
131-11-3	34341	Dimethylphthalate	ND	4.4	
534-52-1	34657	4,6-Dinitro-2-methyl phenol	ND	8.8	
51-28-5	34616	2,4-Dinitrophenol	ND	8.8	
121-14-2	34611	2,4-Dinitrotoluene	ND	4.4	
606-20-2	34626	2,6-Dinitrotoluene	ND	4.4	
117-84-0	34596	Di-n-octylphthalate	ND	4.4	
206-44-0	34376	Fluoranthene	ND	4.4	
86-73-7	34381	Fluorene	ND	4.4	
76-44-8	39410	Heptachlor	ND	4.4	
1024-57-3	39420	Heptachlor epoxide	ND	4.4	
118-74-1	39700	Hexachlorobenzene	ND	4.4	
87-68-3	34391	Hexachlorobutadiene	ND	4.4	
77-47-4	34386	Hexachlorocyclopentadiene	ND	4.4	
67-72-1	34396	Hexachloroethane	ND	4.4	
193-39-5	34403	Indeno(1,2,3-cd)pyrene	ND	4.4	
78-59-1	34408	Isophorone	ND	4.4	
91-20-3	**34696**	**Naphthalene**	**1.5**	**4.4**	**L**
98-95-3	34447	Nitrobenzene	ND	4.4	
88-75-5	34591	2-Nitrophenol	ND	8.8	
100-02-7	34646	4-Nitrophenol	ND	8.8	
86-30-3	34433	N-Nitrosodiphenylamine	ND	4.4	
621-64-7	34428	N-Nitrosodi-n-propylamine	ND	4.4	
87-86-5	39032	Pentachlorophenol	ND	8.8	
85-01-8	34461	Phenanthrene	ND	4.4	
108-95-2	34694	Phenol	ND	8.8	
129-00-0	34469	Pyrene	ND	4.4	

(con't)

US ENVIRONMENTAL PROTECTION AGENCY
REGION I LABORATORY
GC/MS EXTRACTABLE ORGANIC ANALYSIS

SAMPLE NO.: 67834
Sample Results Continued:

CAS NO.	STORET NO.	Compound	Conc. (mg/Kg)	RL (mg/Kg)	Qualifier or Comment
120-82-1	34551	1,2,4-Trichlorobenzene	ND	4.4	
88-06-2	34621	2,4,6-Trichlorophenol	ND	8.8	
		Hazardous Substances			
65-53-3	77089	Aniline	ND	4.4	
65-85-0	77247	Benzoic Acid	ND	8.8	
100-51-6	77147	Benzyl Alcohol	ND	4.4	
106-47-8		4-Chloroaniline	ND	4.4	
132-64-9	81302	Dibenzofuran	ND	4.4	
91-57-6		2-Methylnaphthalene	ND	4.4	
95-48-7		2-Methylphenol	ND	4.4	
106-44-5		4-Methylphenol	ND	4.4	
88-74-4		2-Nitroaniline	ND	4.4	
99-09-2		3-Nitroaniline	ND	4.4	
100-01-6		4-Nitroaniline	ND	4.4	
95-95-4	34621	2,4,5-Trichlorophenol	ND	4.4	
		Other Compounds Quantitated			
		None Detected	ND	4.4	

Tentatively Identified Compounds	Est. Conc. (mg/Kg)	
Unknown hydrocarbon-C28	70	J
Unknown hydrocarbon-C30	100	J
Unknown hydrocarbon-C30	80	J
Unknown hydrocarbon-C32	100	J
Unknown hydrocarbon-C32	50	J

US ENVIRONMENTAL PROTECTION AGENCY
REGION I LABORATORY
GC/MS EXTRACTABLE ORGANIC ANALYSIS

SAMPLE NO.: 67834
Sample Results Continued:

Sample Recoveries For Surrogate Compounds:	Recoveries (%)	QC Range (%)
2-Fluorophenol	66	25-121
Phenol,d5	78	24-113
Nitrobenzene,d5	56	23-120
Fluorobiphenyl	72	30-115
2,4,6-Tribromophenol	70	19-122
p-Terphenyl,d14	68	18-137
2-Chlorophenol-d4	70	20-130
1,2-Dichlorobenzene-d4	52	20-130

FACILITY SAMPLED: AMERICAN GLUE & RESIN

US ENVIRONMENTAL PROTECTION AGENCY
REGION I LABORATORY
GC/MS EXTRACTABLE ORGANIC ANALYSIS

SAMPLE NO.: 67835
DATE OF COLLECTION: 03/02/99
DATE OF EXTRACTION: 03/09/99
DATE OF ANALYSIS: 03/13/99
WET WEIGHT EXTRACTED: 5.0 g
DRY WEIGHT EXTRACTED: 3.9 g

Matrix: Soil
Percent Moisture 23
Conc. Final Vol. 1000 uL
Dilution Factor 1.0
Report Factor 0.77

SAMPLE RESULTS:

CAS NO.	STORET NO.	Compound	Conc. (mg/Kg)	RL (mg/Kg)	Qualifier or Comment
		Priority Pollutants			
83-32-9	34205	Acenaphthene	ND	1.6	
208-96-8	34200	Acenaphthylene	ND	1.6	
120-12-7	34220	Anthracene	ND	1.6	
309-00-2	39330	Aldrin	ND	1.6	
56-55-3	34526	Benzo(a)anthracene	ND	1.6	
205-99-2	34230	Benzo(b)fluoranthene	ND	1.6	
207-08-9	34242	Benzo(k)fluoranthene	ND	1.6	
50-32-8	34247	Benzo(a)pyrene	ND	1.6	
191-24-2	34521	Benzo(ghi)perylene	ND	1.6	
85-68-7	**34292**	**Butyl Benzyl Phthalate**	**1.3**	**1.6**	**L**
319-85-7	39338	beta-BHC	ND	1.6	
319-86-8	34259	delta-BHC	ND	1.6	
111-44-4	34273	Bis(2-chloroethyl)ether	ND	1.6	
111-91-1	34278	Bis(2-chloroethoxy)methane	ND	1.6	
117-81-7	**39100**	**Bis(2-ethylhexyl)phthalate**	**1.1**	**1.6**	**L**
108-60-1	34283	Bis(2-chloroisopropyl)ether	ND	1.6	
101-55-3	34636	4-Bromophenylphenyl ether	ND	1.6	
86-74-8		Carbazole	ND	1.6	
59-50-7	34452	4-Chloro-3-methylphenol	ND	3.2	
91-58-7	34581	2-Chloronaphthalene	ND	1.6	
95-57-8	34586	2-Chlorophenol	ND	3.2	
7005-72-3	34641	4-Chlorophenylphenyl ether	ND	1.6	
218-01-9	**34320**	**Chrysene**	**0.28**	**1.6**	**L**
72-54-8	39310	4,4'-DDD	ND	1.6	
72-55-9	39320	4,4'-DDE	ND	1.6	
50-29-3	39300	4,4'-DDT	ND	1.6	
53-70-3	34556	Dibenzo(a,h)anthracene	ND	1.6	
84-74-2	39110	Di-n-butylphthalate	ND	1.6	
541-73-1	34566	1,3-Dichlorobenzene	ND	1.6	

(con't)

US ENVIRONMENTAL PROTECTION AGENCY
REGION I LABORATORY
GC/MS EXTRACTABLE ORGANIC ANALYSIS

SAMPLE NO.: 67835
Sample Results Continued:

CAS NO.	STORET NO.	Compound	Conc. (mg/Kg)	RL (mg/Kg)	Qualifier or Comment
95-50-1	34536	1,2-Dichlorobenzene	ND	1.6	
106-46-7	34571	1,4-Dichlorobenzene	ND	1.6	
91-94-1	34631	3,3'-Dichlorobenzidine	ND	1.6	
120-83-2	34601	2,4-Dichlorophenol	ND	3.2	
60-57-1	39380	Dieldrin	ND	1.6	
84-66-2	34336	Diethylphthalate	ND	1.6	
105-67-9	34606	2-4-Dimethylphenol	ND	3.2	
131-11-3	34341	Dimethylphthalate	ND	1.6	
534-52-1	34657	4,6-Dinitro-2-methyl phenol	ND	3.2	
51-28-5	34616	2,4-Dinitrophenol	ND	3.2	
121-14-2	34611	2,4-Dinitrotoluene	ND	1.6	
606-20-2	34626	2,6-Dinitrotoluene	ND	1.6	
117-84-0	34596	Di-n-octylphthalate	ND	1.6	
206-44-0	34376	Fluoranthene	ND	1.6	
86-73-7	34381	Fluorene	ND	1.6	
76-44-8	39410	Heptachlor	ND	1.6	
1024-57-3	39420	Heptachlor epoxide	ND	1.6	
118-74-1	39700	Hexachlorobenzene	ND	1.6	
87-68-3	34391	Hexachlorobutadiene	ND	1.6	
77-47-4	34386	Hexachlorocyclopentadiene	ND	1.6	
67-72-1	34396	Hexachloroethane	ND	1.6	
193-39-5	34403	Indeno(1,2,3-cd)pyrene	ND	1.6	
78-59-1	34408	Isophorone	ND	1.6	
91-20-3	34696	Naphthalene	ND	1.6	
98-95-3	34447	Nitrobenzene	ND	1.6	
88-75-5	34591	2-Nitrophenol	ND	3.2	
100-02-7	34646	4-Nitrophenol	ND	3.2	
86-30-3	34433	N-Nitrosodiphenylamine	ND	1.6	
621-64-7	34428	N-Nitrosodi-n-propylamine	ND	1.6	
87-86-5	39032	Pentachlorophenol	ND	3.2	
85-01-8	34461	Phenanthrene	ND	1.6	
108-95-2	34694	Phenol	ND	3.2	
129-00-0	34469	Pyrene	ND	1.6	

(con't)

US ENVIRONMENTAL PROTECTION AGENCY
REGION I LABORATORY
GC/MS EXTRACTABLE ORGANIC ANALYSIS

SAMPLE NO.: 67835
Sample Results Continued:

CAS NO.	STORET NO.	Compound	Conc. (mg/Kg)	RL (mg/Kg)	Qualifier or Comment
120-82-1	34551	1,2,4-Trichlorobenzene	ND	1.6	
88-06-2	34621	2,4,6-Trichlorophenol	ND	3.2	
		Hazardous Substances			
65-53-3	77089	Aniline	ND	1.6	
65-85-0	77247	Benzoic Acid	ND	3.2	
100-51-6	77147	Benzyl Alcohol	ND	1.6	
106-47-8		4-Chloroaniline	ND	1.6	
132-64-9	81302	Dibenzofuran	ND	1.6	
91-57-6		2-Methylnaphthalene	ND	1.6	
95-48-7		2-Methylphenol	ND	1.6	
106-44-5		4-Methylphenol	ND	1.6	
88-74-4		2-Nitroaniline	ND	1.6	
99-09-2		3-Nitroaniline	ND	1.6	
100-01-6		4-Nitroaniline	ND	1.6	
95-95-4	34621	2,4,5-Trichlorophenol	ND	1.6	
		Other Compounds Quantitated			
		None Detected	ND	1.6	

Tentatively Identified Compounds	Est. Conc. (mg/Kg)	
Unknown hydrocarbon-C12	9.0	J
Hexadecanoic acid	100	J
Unknown	200	J
Unknown carboxylic acid	70	J
Unknown	5.0	J

US ENVIRONMENTAL PROTECTION AGENCY
REGION I LABORATORY
GC/MS EXTRACTABLE ORGANIC ANALYSIS

SAMPLE NO.: 67835
Sample Results Continued:

Sample Recoveries For Surrogate Compounds:	Recoveries (%)	QC Range (%)
2-Fluorophenol	84	25-121
Phenol,d5	87	24-113
Nitrobenzene,d5	72	23-120
Fluorobiphenyl	76	30-115
2,4,6-Tribromophenol	82	19-122
p-Terphenyl,d14	73	18-137
2-Chlorophenol-d4	81	20-130
1,2-Dichlorobenzene-d4	63	20-130

FACILITY SAMPLED: AMERICAN GLUE & RESIN

US ENVIRONMENTAL PROTECTION AGENCY
REGION I LABORATORY
GC/MS EXTRACTABLE ORGANIC ANALYSIS

SAMPLE NO.: 67836
DATE OF COLLECTION: 03/02/99
DATE OF EXTRACTION: 03/09/99
DATE OF ANALYSIS: 03/13/99
WET WEIGHT EXTRACTED: 5.0 g
DRY WEIGHT EXTRACTED: 3.5 g

Matrix: Soil
Percent Moisture 30
Conc. Final Vol. 1000 uL
Dilution Factor 1.0
Report Factor 0.85

SAMPLE RESULTS:

CAS NO.	STORET NO.	Compound	Conc. (mg/Kg)	RL (mg/Kg)	Qualifier or Comment
		Priority Pollutants			
83-32-9	**34205**	**Acenaphthene**	**1.8**	**1.8**	**L**
208-96-8	34200	Acenaphthylene	ND	1.8	
120-12-7	**34220**	**Anthracene**	**4.2**	**1.8**	
309-00-2	39330	Aldrin	ND	1.8	
56-55-3	**34526**	**Benzo(a)anthracene**	**18**	**1.8**	
205-99-2	**34230**	**Benzo(b)fluoranthene**	**21**	**1.8**	
207-08-9	**34242**	**Benzo(k)fluoranthene**	**7.1**	**1.8**	
50-32-8	**34247**	**Benzo(a)pyrene**	**14**	**1.8**	
191-24-2	**34521**	**Benzo(ghi)perylene**	**1.5**	**1.8**	**L**
85-68-7	34292	Butyl Benzyl Phthalate	ND	1.8	
319-85-7	39338	beta-BHC	ND	1.8	
319-86-8	34259	delta-BHC	ND	1.8	
111-44-4	34273	Bis(2-chloroethyl)ether	ND	1.8	
111-91-1	34278	Bis(2-chloroethoxy)methane	ND	1.8	
117-81-7	**39100**	**Bis(2-ethylhexyl)phthalate**	**0.77**	**1.8**	**L**
108-60-1	34283	Bis(2-chloroisopropyl)ether	ND	1.8	
101-55-3	34636	4-Bromophenylphenyl ether	ND	1.8	
86-74-8		**Carbazole**	**2.8**	**1.8**	
59-50-7	34452	4-Chloro-3-methylphenol	ND	3.6	
91-58-7	34581	2-Chloronaphthalene	ND	1.8	
95-57-8	34586	2-Chlorophenol	ND	3.6	
7005-72-3	34641	4-Chlorophenylphenyl ether	ND	1.8	
218-01-9	**34320**	**Chrysene**	**17**	**1.8**	
72-54-8	39310	4,4'-DDD	ND	1.8	
72-55-9	39320	4,4'-DDE	ND	1.8	
50-29-3	39300	4,4'-DDT	ND	1.8	
53-70-3	34556	Dibenzo(a,h)anthracene	ND	1.8	
84-74-2	39110	Di-n-butylphthalate	ND	1.8	
541-73-1	34566	1,3-Dichlorobenzene	ND	1.8	

(con't)

US ENVIRONMENTAL PROTECTION AGENCY
REGION I LABORATORY
GC/MS EXTRACTABLE ORGANIC ANALYSIS

SAMPLE NO.: 67836
Sample Results Continued:

CAS NO.	STORET NO.	Compound	Conc. (mg/Kg)	RL (mg/Kg)	Qualifier or Comment
95-50-1	34536	1,2-Dichlorobenzene	ND	1.8	
106-46-7	34571	1,4-Dichlorobenzene	ND	1.8	
91-94-1	34631	3,3'-Dichlorobenzidine	ND	1.8	
120-83-2	34601	2,4-Dichlorophenol	ND	3.6	
60-57-1	39380	Dieldrin	ND	1.8	
84-66-2	34336	Diethylphthalate	ND	1.8	
105-67-9	34606	2-4-Dimethylphenol	ND	3.6	
131-11-3	34341	Dimethylphthalate	ND	1.8	
534-52-1	34657	4,6-Dinitro-2-methyl phenol	ND	3.6	
51-28-5	34616	2,4-Dinitrophenol	ND	3.6	
121-14-2	34611	2,4-Dinitrotoluene	ND	1.8	
606-20-2	34626	2,6-Dinitrotoluene	ND	1.8	
117-84-0	34596	Di-n-octylphthalate	ND	1.8	
206-44-0	**34376**	**Fluoranthene**	**28**	**1.8**	
86-73-7	**34381**	**Fluorene**	**1.2**	**1.8**	**L**
76-44-8	39410	Heptachlor	ND	1.8	
1024-57-3	39420	Heptachlor epoxide	ND	1.8	
118-74-1	39700	Hexachlorobenzene	ND	1.8	
87-68-3	34391	Hexachlorobutadiene	ND	1.8	
77-47-4	34386	Hexachlorocyclopentadiene	ND	1.8	
67-72-1	34396	Hexachloroethane	ND	1.8	
193-39-5	**34403**	**Indeno(1,2,3-cd)pyrene**	**2.2**	**1.8**	
78-59-1	34408	Isophorone	ND	1.8	
91-20-3	34696	Naphthalene	ND	1.8	
98-95-3	34447	Nitrobenzene	ND	1.8	
88-75-5	34591	2-Nitrophenol	ND	3.6	
100-02-7	34646	4-Nitrophenol	ND	3.6	
86-30-3	34433	N-Nitrosodiphenylamine	ND	1.8	
621-64-7	34428	N-Nitrosodi-n-propylamine	ND	1.8	
87-86-5	39032	Pentachlorophenol	ND	3.6	
85-01-8	**34461**	**Phenanthrene**	**14**	**1.8**	
108-95-2	34694	Phenol	ND	3.6	
129-00-0	**34469**	**Pyrene**	**23**	**1.8**	

(con't)

US ENVIRONMENTAL PROTECTION AGENCY
REGION I LABORATORY
GC/MS EXTRACTABLE ORGANIC ANALYSIS

SAMPLE NO.: 67836
Sample Results Continued:

CAS NO.	STORET NO.	Compound	Conc. (mg/Kg)	RL (mg/Kg)	Qualifier or Comment
120-82-1	34551	1,2,4-Trichlorobenzene	ND	1.8	
88-06-2	34621	2,4,6-Trichlorophenol	ND	3.6	
		Hazardous Substances			
65-53-3	77089	Aniline	ND	1.8	
65-85-0	77247	Benzoic Acid	ND	3.6	
100-51-6	77147	Benzyl Alcohol	ND	1.8	
106-47-8		4-Chloroaniline	ND	1.8	
132-64-9	**81302**	**Dibenzofuran**	**0.58**	**1.8**	**L**
91-57-6		2-Methylnaphthalene	ND	1.8	
95-48-7		2-Methylphenol	ND	1.8	
106-44-5		4-Methylphenol	ND	1.8	
88-74-4		2-Nitroaniline	ND	1.8	
99-09-2		3-Nitroaniline	ND	1.8	
100-01-6		4-Nitroaniline	ND	1.8	
95-95-4	34621	2,4,5-Trichlorophenol	ND	1.8	
		Other Compounds Quantitated			
		None Detected	ND	1.8	

Tentatively Identified Compounds	Est. Conc. (mg/Kg)	
Unknown PAH	3.0	J
Unknown PAH	2.0	J
Unknown PAH	3.0	J
Benzo[e]pyrene	10	J
Unknown hydrocarbon-C30	7.0	J

US ENVIRONMENTAL PROTECTION AGENCY
REGION I LABORATORY
GC/MS EXTRACTABLE ORGANIC ANALYSIS

SAMPLE NO.: 67836
Sample Results Continued:

Sample Recoveries For Surrogate Compounds:	Recoveries (%)	QC Range (%)
2-Fluorophenol	93	25-121
Phenol,d5	97	24-113
Nitrobenzene,d5	84	23-120
Fluorobiphenyl	83	30-115
2,4,6-Tribromophenol	87	19-122
p-Terphenyl,d14	87	18-137
2-Chlorophenol-d4	87	20-130
1,2-Dichlorobenzene-d4	65	20-130

Project Review Form
BNA Analyses by GC/MS

Project Number 99187 **Site** American Glue & Resin

Note: Any omissions or problems with the data require resolution before proceeding to the next review step.

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REQUESTED ANALYSIS AND DATA FOLDER COMPLETENESS CHECK

(✓) Does the RLIMS information match the COC requests?

(✓) Were all samples analyzed and identified correctly?

(✓) Have the samples been analyzed according to the referenced method or SOP? Are all deviations approved and documented?

(✓) Is sample preservation (if applicable) checked for all samples?

(✓) Is the raw data folder complete?

- (✓) Tracking form
- (✓) Sample Disposal Document
- (✓) Project and report form
- (✓) Copy of the Chain-of-Custody Form
- (✓) Soil extraction summary sheet for dry weight calculation
- (✓) Laboratory notebook form
- (NA) GC screening data (if applicable)
- (✓) DFTPP tunes - summary and raw data
- (✓) Initial and continuing calibrations - summarizations and raw data for all associated calibrations
- (✓) Sample sequence list
- (✓) Copy of instrument run log
- (✓) ID list with updated RFs
- (✓) Quant sheets for samples, reprocessed after manual checks (Initialled and dated by analyst)
- (✓) Extended GC/MS reports and TICs for samples
- (✓) GC/MS quantitation worksheet
- (✓) Surrogate and matrix spike recovery table
- (✓) Internal standard area table

Reviewed by: MCH Date Reviewed: 3/15/99

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DATA EVALUATION

(✓) Have the proper number of QC samples been analyzed?

- (✓) Blanks
- (✓) MS/MSD
- ( ) Duplicates
- ( ) PE Samples

(✓) Is information on the extraction benchsheets correct?
(✓) Is there documentation of standard preparation and traceability?
(✓) Are blank contaminants within limits? If outside limits, is there documented approval to proceed with analysis?
(✓) Are matrix spike recoveries and RPDs within limits?
(✓) Are surrogate recoveries within limits? Do samples require reextraction?
(✓) Are DFTPP tunes acceptable?
(✓) Are initial and continuing calibrations acceptable? Spotcheck RRF from raw data. Check all outliers.
(✓) If required, were all samples analyzed within 12 hr of DFTPP?
(✓) Have samples been processed with updated response factors? Check quantitation time on raw data.
(✓) Are the calculations correct? Document with a sample calculation from raw data to final concentration (The reviewer initials and dates calculation.)
  (✓) Dry weight
  (✓) Report factors
  (✓) Sample concentrations
  (✓) Are the concentrations of the compounds found within calibration range?
(✓) Do duplicate samples have similar results?

Reviewed by: [signature] Date Reviewed: 3/18/99

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FINAL REPORT

( ) Check the following information on the report accuracy.
  (✓) Sample IDs
  (✓) Date sampled(collected)
  (✓) Date received
  (✓) Date analyzed
  (✓) Sample weight
  (✓) % Moisture
  (✓) Extract dilution factor
  (✓) Reporting Limit (R.L.)
  (✓) Scaling factor
  (✓) Flags
  (✓) pH
(✓) Is the method summary an accurate reflection of all encountered problems? Are observations about the samples noted? Are method blank contaminants mentioned?
(✓) Are the number of significant figures used correctly and consistently?
(✓) Has the final report been checked for transcription errors?

Reviewed by: [signature] Date Reviewed: 3/26/99

==========

Comments:

PROJECT NOTES

PN:99187-American Glue & Resin BNAs
Date: 03/15/99

WA:01-99-3-01
Task: 03
TDF: 072A

-- The samples were extracted and analyzed within holding times.

-- Samples 67830, 67832 and 67834 could not be concentrated to a final volume of 1.0 ml due to the thick, viscous consistency of the concentrated extracts. These three extracts were taken to a 2.0 ml final volume.

-- All tunes, initial and continuing calibrations, and surrogate and MS/MSD recoveries and RPDs met QA/QC criteria.

-- All internal standard areas were within QA/QC criteria except for the perylene-d12 in sample 67832(1:2), due to matrix interferences. This sample was also analyzed at a 1:10 dilution in which all of the IS areas were within QA/QC criteria.

-- Samples 67829, 67830, 67831, 67832, 67833, and 67834 were originally analyzed at 1:10 dilutions since they were very dark or viscous. These samples were reanalyzed at appropriate dilutions (or at no dilution) based on the results of the 1:10 dilutions. Both the original and reanalysis results were reported.

-- An "S" was added as a prefix to the sample numbers in order for the forms generation software to work. The forms generation software requires a letter in the sample number.

-- Some compounds in the initial and continuing calibration standards and in some of the samples, were manually integrated in order to accurately quantitate them due to closely eluting compounds with the same quantitation ions. The EnviroQuant software automatically marks manually integrated compounds with an "m".

-- The total ion area integration reports were used to determine the twenty largest peaks to search as TICs.

Signature: _____ Date: 3/15/99

PROJECT NOTES

PN:99187-American Glue & Resin BNAs
Date: 03/15/99

WA:01-99-3-01
Task: 03
TDF: 072A

-- ESAT chemists worked over the weekend to ensure the TDF due date was met.

-- The samples were removed from Refrigerator R3, after the holding times had expired, and placed on the sample return counter.

- The RLIMS status has been updated.

Signature: M. H. Date: 3/15/99

US EPA REGION 1
SOIL EXTRACTIONS
SUMMARY SHEET

SURVEY NAME: American Glue & Resin ANALYST: JM AQC: 19

PROJECT #: 99187 DATE: 3-9-99 AQC DATE: 3/10/99

BALANCE CHECK (± 0.2%): D = 0.0000g, 1 = 1.000g, 5 = 5.000g, 10 = 10.000g OVEN TEMP (110 C): 110°C

SAMPLE NO.	LAB BLK	67827	67827 MS	67827 MSD	67828	67829	67830	67831	67832
PAN WT g		1.318			1.323	1.317	1.311	1.310	1.308
TOTAL WET WT g		8.360			8.224	7.739	8.094	8.025	8.368
NET WET WT g		~~6.181~~ 7.499 7.042✓			6.901 ~~5.884~~	2.422 ~~1.361~~	6.755 ~~5.444~~	6.715 ~~6.715~~	7.060 ~~6.136~~
TOTAL DRY WT g		7.499			7.207	2 2.678	6.755	4.533	7.444
NET DRY WT g		6.181			5.884	1.361	5.444	3.223	6.136
% SOLIDS		87.8	87.8	87.8	85.3	21.2	80.3	48.0	86.9
SAMPLE WET WT g		5.140	5.002	5.258	5.109	5.110	5.156	5.003	5.025
SAMPLE DRY WT g	5.008	4.513	4.392	4.617	4.358	1.083	4.140	2.401	4.367
% MOIST		12.2	12.2	12.2	14.7	78.8	19.7	52.0	13.1
pH WET WT									
pH VOL									
pH WATER									
pH SAMPLE									

COMMENTS:

US EPA REGION 1
SOIL EXTRACTIONS
SUMMARY SHEET

SURVEY NAME: American Glue & Resin ANALYST: JM AQC: ✓

PROJECT #: 99187 DATE: 3-9-99 AQC DATE: 3/25/99

BALANCE CHECK (± 0.2%): see p.1 OVEN TEMP (110 C): 110°C

SAMPLE NO.	67833	67834	67835	67836					
PAN WT	1.312	1.314	1.316	1.311					
TOTAL WET WT	8.120	8.646	8.619	8.570					
NET WET WT	6.808 ~~6.640~~	~~7.332~~ 7.332	7.303 ~~5.638~~	7.259 ~~5.095~~					
TOTAL DRY WT	6.952	5.291	6.954	6.406					
NET DRY WT	5.640	3.977	5.638	5.095					
% SOLIDS	82.8	54.2	77.2	70.2					
SAMPLE WET WT	5.110	5.153	5.010	5.005					
SAMPLE DRY WT	4.231	2.793	3.868	3.514					
% MOIST	17.2	45.8	22.8	29.8					
pH WET WT									
pH VOL									
pH WATER									
pH SAMPLE									

COMMENTS:

Run Date: 3-9-99

Project Name: American Glue & Resin

Project #: 99187

Sample ID	Cell Serial #	Autosampler Position	Comments
LAB BLK	34730	1	-50% CH_2Cl_2 / 50% Acetone
67827	34813	2	- raised psi to 2000
67827 MS	34745	3	- method 2
67827 MSD	34759	4	
67828	34738	5	
67829	34790	6	
67830	34855	7	
67831	34809	8	
67832	34854	9	
67833	34875	10	
67834	34820	11	
67835	34789	12	
67836	34762	13	
10ppm BNA std	34764	14	250ul of 200ppm → 5mL FV

US EPA REGION 1
NOTEBOOK FORM

SURVEY NAME: American Glue & Resin
PROJECT #: 99187
SAMPLE NUMBERS: 67827 → 67836

ANALYSTS: JM
DATE: 3-9-99
REGFRIGERATOR: R3

MATRIX USED: BNA matrix 100 BN/200ppm Acids
EXPIRATION DATE: 8-16-99
VOLUME: one ml

TEMPERATURE (2-6): 4°
DATE TAKEN OUT: 3-9-99
DATE RETURNED: 3-9-99

SURROGATE USED: BNA surrogate 100 BN/200ppm Acids
EXPIRATION DATE: 5-16-99
VOLUME: one ml

AQC: BS
AQC DATE: 3/14/99

QUALITY CONTROL SAMPLE:
LOT NUMBER:

DUPLICATE SAMPLE NUMBER:

MISCELLANEOUS:

PHYSICAL APPEARANCES: DARK BROWN SANDY SOIL except 67829 we orange ~~natural~~ color soil

---

PROCEDURE USED AND NOTES: BNASOML6.SOP

DATES:
EXTRACTED: 3-9-99

CONCENTRATED: 3-10-99

SCREENING: NA

LOT NUMBERS (SOLVENTS AND REAGENTS): CH_2Cl_2 Lot#M40308 Baker
Acetone Lot#982741 Fisher

TEMPERATURES: FREEZERS (-20 - -10), REFRIGERATORS (2 - 6):
SPIKING SOLUTIONS: -15°C

STANDARDS: -15°C

US EPA REGION 1
NOTEBOOK FORM (cont'd)
SAMPLE PREPARATION

AQC: 47
AQC DATE: 3/16/99

SOPS used: BNASOML6.SOP

	EXTRACTIONS										CONCENTRATIONS			CLEAN-UP		
			pH				LIQUID/LIQUID									
SAMPLE NO.	DATE	METHOD	INITIAL	ADJUSTMENT		EMULSION	DROP RATE	DATE/TIME		ANALYST	DATE	METHOD	ANALYST	DATE	METHOD	ANALYST
				BN	ACID	(Y/N)	(DPM)	STARTED	STOPPED							
Blank2	3/9/99	O=ASE	NA	NA	NA	N				JM	3/10/99	TV	PB			
67827	↓	↓	↓	↓	↓	↓				↓	↓	↓	↓			
67827MS																
67827MSD																
67828																
67829																
67830																
67831																
67832																
67833																
67834																
67835																
67836																
10BNA	↓	↓	↓	↓	↓	↓				↓	↓	↓	↓			

Extraction Method: S = Sonication (solid)
L/L = Liquid/Liquid (aqueous)
SEP= Separatory Funnel (aqueous)
DL = (waste) Dilution
O = Other, specify

Concentration Method: TV = TurboVap
KD= Kuderna-Danish
N2= Nitrogen

DPM= Drops per minute
NA = Not Applicable

Clean-up Method: GPC= Gel Permeation Chromatography
SI = Silicagel
AL = Aluminum Oxide
FL = Florisil - micro/macro
S = Sulfur (TBA)
AC = Acid
O = Other, Specify

US EPA REGION 1
NOTEBOOK FORM (cont'd)

AQC:

AQC DATE: 3/14/99

GC/PREP ANALYSTS:

GC/PREP DATES:

GC/MS ANALYSTS: SV/MH

GC/MS DATES: 3/12-14/99

ARCHIVE BY: MH

ARCHIVE DATE: 3/15/99

ARCHIVED LOCATION: R12

REMOVED FROM REFRIGERATOR:

STANDARDS USED:

	NAME:	EXPIRATION:
QUANT #1	BNA GCMS STDS 160 ug/ml → 6.25 ug/ml	2/8/2000
QUANT #2		
QUANT #3		
SURROGATE		
INT STD	BNA IS 20000 ug/ml	3/1/2000

NOTE: GC Stds: 1 year
GC/MS Stds: 3 months

SUMMARY OF FINAL VOLUMES

SAMPLE NUMBER	pH WATER	~~VOL~~/WT EXT (g)	FINAL VOL	ALL DILUTIONS USED	FINAL DIL	MS VOL	IS VOL	COMMENTS
1) Blank	–	5.008	1ml	NO DIL		500ul	10ul	
2) 67827	–	4.513	1ml	NO DIL				
3) 67827 MS	–	4.392	1ml	NO DIL				
4) 67827 MSD	–	4.617	1ml	NO DIL				

US EPA REGION 1
NOTEBOOK FORM (cont'd)

ANALYSTS: MH

AQC: LV

DATE: 3/15/99

AQC DATE: 3/15/99

SUMMARY OF FINAL VOLUMES

SAMPLE NUMBER	pH WATER	~~VOL~~/WT DRY EXT. (g)	FINAL VOL	ALL DILUTIONS USED	FINAL DIL	MS VOL	IS VOL	COMMENTS
5) 67828	-	4.358	1ml	NO DIL		500ul	10ul	
6) 67829	-	1.083	1ml	1:10(50ul→500ul) 1:2(250ul→500ul)				
7) 67830	-	4.140	2ml	1:10(50ul→500ml) 1:100(50ul→500ul) (50ul→500ul)				
8) 67831	-	2.401	1ml	1:10(50ul→500ml) NO DIL				
9) 67832	-	4.367	2ml	(1:10)(50ul→500ml) 1:2(250ul→500ml)				
10) 67833	-	4.231	1ml	1:10(50ul→500ml) NO DIL				
11) 67834	-	2793	2ml	1:10(50ul→500ml) NO DIL				
12) 67835	-	3.868	1ml	NO DIL				
13) 67836	-	3.514	1ml	NO DIL				
14) 10 BWA	-	5.000	1ml	NO DIL				
15)								

827 MS/MSD

2D

SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: EPA REG 1 Contract:

Project No.: 99187 Site: American Glue Location: Group:

Level: (low/med) MED use this data for dilutions (D)

	SAMPLE NO.	S1 #	S2 #	S3 #	S4 #	S5 #	S6 #	S7 #	S8 #	TOT OUT
01	SBLK01	82	89	82	70	74	78	79	91	
02	S67827	74	78	71	57	62	68	79	87	
03	67827MS	69	73	65	55	71	77	93	90	
04	67827MSD	73	76	72	58	75	79	89	89	
05	S67828	81	90	80	63	72	78	82	82	
06	S67829D	65	75	98	86	73	96	105	96	
07	S67830	96	101	99	75	75	87	84	91	
08	S67831D	81	85	70	71	70	74	42	83	
09	S67832D	72	79	76	71	46	86	71	89	
10	S67833D	78	55	81	81	40	79	63	84	
11	S67834D	78	66	66	50	60	62	52	66	
12	S67835	84	87	81	63	72	76	82	73	
13	S67836	93	97	87	65	84	83	87	87	
14	S67830D	D	D	D	D	D	D	D	D	
15	S67829	94	106	99	76	91	91	100	90	
16	S67831	66	80	74	64	71	76	45	69	
17	S67833	84	91	85	70	75	80	73	79	
18	S67834	66	78	70	52	56	72	70	68	
19	S67832	72	92	78	56	64	88	98	98	
20										
21										
22										
23										
24										
25										
26										
27										
28										
29										
30										

		QC LIMITS
S1	= FLUOROPHENOL	(25-121)
S2	= PHENOL-D5	(24-113)
S3	= 2-CHLOROPHENOL-D4	(20-130)
S4	= 1,2-DICHLOROBENZENE-D4	(20-130)
S5	= NITROBENZENE-D5	(23-120)
S6	= FLUOROBIPHENYL	(30-115)
S7	= 2,4,6-TRIBROMOPHENOL	(19-122)
S8	= P-TERPHENYL-D14	(18-137)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate diluted out

3D

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: EPA REG 1 Contract: _____

Project No.: 99187 Site: American Location: _____ Group: _____

Matrix Spike - Sample No.: S67827 Level: (low/med) MED

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.
PHENOL	46000	0	33000	72	(26-90)
2-CHLOROPHENOL	46000	0	30000	65	(25-102)
1,4-DICHLOROBENZENE	23000	0	14000	61	(28-104)
N-NITROSODIPROPYLAMINE	23000	0	15000	65	(41-126)
1,2,4-TRICHLOROBENZENE	23000	0	16000	70	(38-107)
4-CHLORO-3-METHYLPHENOL	46000	0	41000	89	(26-103)
ACENAPHTHENE	23000	0	18000	78	(31-137)
4-NITROPHENOL	46000	0	50000	109	(11-114)
2,4-DINITROTOLUENE	23000	0	20000	87	(28-89)
PENTACHLOROPHENOL	46000	0	28000	61	(17-109)
PYRENE	23000	800	21000	88	(35-142)

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
PHENOL	43000	33000	77	7	35	(26-90)
2-CHLOROPHENOL	43000	31000	72	10	50	(25-102)
1,4-DICHLOROBENZENE	22000	13000	59	3	27	(28-104)
N-NITROSODIPROPYLAMINE	22000	15000	68	5	38	(41-126)
1,2,4-TRICHLOROBENZENE	22000	15000	68	3	23	(38-107)
4-CHLORO-3-METHYLPHENOL	43000	37000	86	3	33	(26-103)
ACENAPHTHENE	22000	17000	77	1	19	(31-137)
4-NITROPHENOL	43000	43000	100	9	50	(11-114)
2,4-DINITROTOLUENE	22000	18000	82	6	47	(28-89)
PENTACHLOROPHENOL	43000	29000	67	9	47	(17-109)
PYRENE	22000	19000	83	6	36	(35-142)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 11 outside limits

Spike Recovery: 0 out of 22 outside limits

Comments: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

SAMPLE NO.

SBLK01

Lab Name: EPA REG 1 Contract:

Project No.: 99187 Site: American Glue Location: Group:

Lab File ID: 03129A03.D Lab Sample ID: BLANK

Instrument ID: HP5988 Date Extracted: 3/9/99

Matrix: (soil/water) SOIL Date Analyzed: 3/12/99

Level: (low/med) MED Time Analyzed: 1022

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	S67827	S67827	03129A05.D	03/12/99
02	67827MS	67827MS	03129A06.D	03/12/99
03	67827MSD	67827MSD	03129A07.D	03/12/99
04	S67828	S67828	03129A08.D	03/12/99
05	S67829D	S67829D	03129A09.D	03/12/99
06	S67830	S67830	03129A12.D	03/13/99
07	S67831D	S67831D	03129A13.D	03/13/99
08	S67832D	S67832D	03129A14.D	03/13/99
09	S67833D	S67833D	03129A15.D	03/13/99
10	S67834D	S67834D	03129A16.D	03/13/99
11	S67835	S67835	03129A17.D	03/13/99
12	S67836	S67836	03129A18.D	03/13/99
13	S67830D	S67830D	03129A19.D	03/13/99
14	S67829	S67829	03129A20.D	03/13/99
15	S67831	S67831	03149A03.D	03/14/99
16	S67833	S67833	03149A04.D	03/14/99
17	S67834	S67834	03149A05.D	03/14/99
18	S67832	S67832	03149A06.D	03/14/99
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

COMMENTS:

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name : EPA REG 1 Contract:

Project No.: 99187 Site: American Glue Location: Group:

Lab File ID: 03129A01.D DFTPP Injection Date: 3/12/99

Instrument ID: HP5988 DFTPP Injection Time: 0850

m/e	ION ABUNDANCE CRITERIA	%RELATIVE ABUNDANCE
51	30.0 - 80.0% of mass 198	79.0
68	Less than 2.0% of mass 69	1.5 (1.6)1
69	Mass 69 relative abundance	93.0
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	25.0 - 75.0% of mass 198	53.8
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100 % relative abundance	99.0
199	5.0 - 9.0% of mass 198	7.5
275	10.0 - 30.0% of mass 198	27.0
365	Greater than 0.75% of mass 198	4.3
441	Present, but less than mass 443	18.1
442	40.0 - 110.0% of mass 198	100.0
443	15.0 - 24.0% of mass 442	20.6 (20.6)2

1-Value is % mass 69 2-Value is % mass 442

This check applies to the following SAMPLES, MS, MSD, BLANKS and STANDARDS:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD050	50STD01	03129A02.D	3/12/99	0915
02	SBLK01	BLANK	03129A03.D	3/12/99	1022
03	S67827	S67827	03129A05.D	3/12/99	1349
04	67827MS	67827MS	03129A06.D	3/12/99	1456
05	67827MSD	67827MSD	03129A07.D	3/12/99	1604
06	S67828	S67828	03129A08.D	3/12/99	1711
07	S67829D	S67829D	03129A09.D	3/12/99	1819
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name : EPA REG 1 Contract:

Project No.: 99187 Site: American Glue Location: Group:

Lab File ID: 03129A10.D DFTPP Injection Date: 3/13/99

Instrument ID: HP5988 DFTPP Injection Time: 0950

m/e	ION ABUNDANCE CRITERIA	%RELATIVE ABUNDANCE
51	30.0 - 80.0% of mass 198	70.6
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	92.2
70	Less than 2.0% of mass 69	0.5 (0.5)1
127	25.0 - 75.0% of mass 198	50.3
197	Less than 1.0% of mass 198	0.2
198	Base Peak, 100 % relative abundance	92.4
199	5.0 - 9.0% of mass 198	5.7
275	10.0 - 30.0% of mass 198	26.1
365	Greater than 0.75% of mass 198	4.2
441	Present, but less than mass 443	16.9
442	40.0 - 110.0% of mass 198	100.0
443	15.0 - 24.0% of mass 442	19.7 (19.7)2

1-Value is % mass 69 2-Value is % mass 442

This check applies to the following SAMPLES, MS, MSD, BLANKS and STANDARDS:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD050	50STD02	03129A11.D	3/13/99	1015
02	S67830	S67830	03129A12.D	3/13/99	1123
03	S67831D	S67831D	03129A13.D	3/13/99	1231
04	S67832D	S67832D	03129A14.D	3/13/99	1339
05	S67833D	S67833D	03129A15.D	3/13/99	1446
06	S67834D	S67834D	03129A16.D	3/13/99	1554
07	S67835	S67835	03129A17.D	3/13/99	1702
08	S67836	S67836	03129A18.D	3/13/99	1810
09	S67830D	S67830D	03129A19.D	3/13/99	1918
10	S67829	S67829	03129A20.D	3/13/99	2026
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name : EPA REG 1 Contract:

Project No.: 99187 Site: American Glue Location: Group:

Lab File ID: 03149A01.D DFTPP Injection Date: 3/14/99

Instrument ID: HP5988 DFTPP Injection Time: 1029

m/e	ION ABUNDANCE CRITERIA	%RELATIVE ABUNDANCE
51	30.0 - 80.0% of mass 198	74.0
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	94.7
70	Less than 2.0% of mass 69	0.3 (0.4)1
127	25.0 - 75.0% of mass 198	55.8
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100 % relative abundance	100.0
199	5.0 - 9.0% of mass 198	6.7
275	10.0 - 30.0% of mass 198	25.3
365	Greater than 0.75% of mass 198	3.8
441	Present, but less than mass 443	13.1
442	40.0 - 110.0% of mass 198	82.1
443	15.0 - 24.0% of mass 442	15.6 (19.0)2

1-Value is % mass 69 2-Value is % mass 442

This check applies to the following SAMPLES, MS, MSD, BLANKS and STANDARDS:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD050	50STD03	03149A02.D	3/14/99	1053
02	S67831	S67831	03149A03.D	3/14/99	1201
03	S67833	S67833	03149A04.D	3/14/99	1309
04	S67834	S67834	03149A05.D	3/14/99	1417
05	S67832	S67832	03149A06.D	3/14/99	1525
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: EPA REG 1 Contract:

Project No.: 99187 Site: AMERICAN GLUE Location: Group:

Instrument ID: HP5988 Calibration Date: 3/12/99 Time: 0915

Lab File ID: 03129A02.D Init. Calib. Date(s): 3/12/99 1/0/00

Init. Calib. Times: 0915 0000

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
ANILINE	1.177	1.002		14.9	
PHENOL	1.098	1.103	0.800	-0.5	25.0
BIS(2-CHLOROETHYL) ETHER	1.056	1.077	0.700	-2.0	25.0
2-CHLOROPHENOL	0.838	0.800	0.800	4.5	25.0
1,3-DICHLOROBENZENE	0.920	0.897	0.600	2.5	25.0
1,4-DICHLOROBENZENE	0.942	0.901	0.500	4.4	25.0
BENZYL ALCOHOL	0.597	0.467		21.8	
1,2-DICHLOROBENZENE	0.873	0.844	0.400	3.3	25.0
2-METHYLPHENOL	0.760	0.698	0.700	8.2	25.0
BIS(2-CHLOROISOPROPYL)ETHER	1.142	1.787		-56.5	25.0
4-METHYLPHENOL	0.971	0.898	0.600	7.5	25.0
N-NITROSODIPROPYLAMINE	0.774	0.898	0.500	-16.0	25.0
HEXACHLOROETHANE	0.448	0.405	0.300	9.6	25.0
NITROBENZENE	0.560	0.588	0.200	-5.0	25.0
ISOPHORONE	0.927	1.055	0.400	-13.8	25.0
2-NITROPHENOL	0.200	0.201	0.100	-0.5	25.0
2,4-DIMETHYLPHENOL	0.389	0.335	0.200	13.9	25.0
BIS(2-CHLOROETHOXY)METHANE	0.574	0.646	0.300	-12.5	25.0
BENZOIC ACID	0.252	0.266		-5.6	
2,4-DICHLOROPHENOL	0.278	0.297	0.200	-6.8	25.0
1,2,4-TRICHLOROBENZENE	0.313	0.327	0.200	-4.5	25.0
NAPHTHALENE	1.092	1.095	0.700	-0.3	25.0
4-CHLOROANILINE	0.341	0.390		-14.4	
HEXACHLOROBUTADIENE	0.195	0.191		2.1	
4-CHLORO-3-METHYLPHENOL	0.338	0.338	0.200	0.0	25.0
2-METHYLNAPHTHALENE	0.698	0.667	0.400	4.4	25.0
HEXACHLOROCYCLOPENTADIENE	0.387	0.378		2.3	
2,4,6-TRICHLOROPHENOL	0.393	0.365	0.200	7.1	25.0
2,4,5-TRICHLOROPHENOL	0.403	0.343	0.200	14.9	25.0
2-CHLORONAPHTHALENE	1.319	1.236	0.800	6.3	25.0
2-NITROANILINE	0.456	0.498		-9.2	
DIMETHYLPHTHALATE	1.586	1.568		1.1	
ACENAPHTHYLENE	2.068	2.028	0.900	1.9	25.0
2,6-DINITROTOLUENE	0.336	0.360	0.200	-7.1	25.0
3-NITROANILINE	0.673	0.698		-3.7	
ACENAPHTHENE	1.149	1.124	0.900	2.2	25.0
2,4-DINITROPHENOL	0.190	0.183		3.7	

All other compounds must meet a minimum RRF of 0.010.

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: EPA REG 1 Contract:

Project No.: 99187 Site: AMERICAN GLUE Location: Group:

Instrument ID: HP5988 Calibration Date: 3/12/99 Time: 0915

Lab File ID: 03129A02.D Init. Calib. Date(s): 3/12/99 1/0/00

Init. Calib. Times: 0915 0000

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
DIBENZOFURAN	1.822	1.779	0.800	2.4	25.0
4-NITROPHENOL	0.338	0.282		16.6	
2,4-DINITROTOLUENE	0.470	0.489	0.200	-4.0	25.0
DIETHYLPHTHALATE	1.649	1.620		1.8	
FLUORENE	1.400	1.297	0.900	7.4	25.0
4-CHLOROPHENYL-PHENYLETHER	0.667	0.620	0.400	7.0	25.0
4-NITROANILINE	0.582	0.486		16.5	
4,6-DINITRO-2-METHYLPHENOL	0.139	0.141		-1.4	
N-NITROSODIPHENYLAMINE	0.507	0.463		8.7	
DIPHENYLHYDRAZINE(AZOBENZE	1.274	1.275		-0.1	
4-BROMOPHENYL-PHENYLETHER	0.220	0.234	0.100	-6.4	25.0
BHC ISOMER (ALPHA)	0.166	0.144		13.3	25.0
HEXACHLOROBENZENE	0.281	0.308	0.100	-9.6	25.0
BHC ISOMER (BETA)	0.132	0.122		7.6	25.0
PENTACHLOROPHENOL	0.146	0.140	0.050	4.1	25.0
LINDANE-BHC ISOMER (GAMA)	0.141	0.127		9.9	25.0
PHENANTHRENE	1.030	1.045	0.700	-1.5	25.0
ANTHRACENE	1.050	1.028	0.700	2.1	25.0
BHC ISOMER (DELTA)	0.132	0.120		9.1	25.0
CARBAZOLE	0.958	0.977		-2.0	
HEPTACHLOR	0.231	0.231		0.0	25.0
DIBUTYLPHTHALATE	1.494	1.504		-0.7	
ALDRIN	0.248	0.266		-7.3	25.0
HEPTACHLOR EPOXIDE	0.165	0.157		4.8	25.0
FLUORANTHENE	1.089	1.121	0.600	-2.9	25.0
PYRENE	1.232	1.199	0.600	2.7	25.0
ENDOSULFAN I	0.037	0.034		8.1	25.0
P,P-DDE	0.285	0.275		3.5	25.0
DIELDRIN	0.321	0.334		-4.0	25.0
ENDRIN	0.105	0.100		4.8	25.0
ENDOSULFAN II	0.040	0.037		7.5	25.0
P,P-DDD	0.503	0.495		1.6	25.0
BUTYLBENZYLPHTHALATE	0.722	0.674		6.6	
P,P-DDT	0.411	0.402		2.2	25.0
ENDOSULFAN SULFATE	0.088	0.099		-12.5	25.0
METHOXYCHLOR	0.807	0.699		13.4	25.0
ENDRIN KETONE	0.148	0.169		-14.2	25.0

All other compounds must meet a minimum RRF of 0.010.

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: EPA REG 1 Contract:

Project No.: 99187 Site: AMERICAN GLUE Location: Group:

Instrument ID: HP5988 Calibration Date: 3/12/99 Time: 0915

Lab File ID: 03129A02.D Init. Calib. Date(s): 3/12/99 1/0/00

Init. Calib. Times: 0915 0000

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
3,3-DICHCHLOROBENZIDINE	0.361	0.302		16.3	
BENZ(A)ANTHRACENE	1.183	1.043	0.800	11.8	25.0
CHRYSENE	1.133	0.984	0.700	13.2	25.0
BIS(2-ETHYLHEXYL)PHTHALATE	1.072	0.964		10.1	
DI-N-OCTYLPHTHALATE	1.916	1.935		-1.0	
BENZO(B)FLUORANTHENE	1.263	1.309	0.700	-3.6	25.0
BENZO(K)FLUORANTHENE	1.330	1.378	0.700	-3.6	25.0
BENZO(A)PYRENE	1.205	1.217	0.700	-1.0	25.0
INDENO(1,2,3-CD)PYRENE	0.865	0.968	0.500	-11.9	25.0
DIBENZO(A,H)ANTHRACENE	0.969	1.067	0.400	-10.1	25.0
BENZO(GHI)PERYLENE	0.937	0.954	0.500	-1.8	25.0
FLUOROPHENOL	0.714	0.765	0.600	-7.1	25.0
PHENOL-D5	1.069	1.051	0.800	1.7	25.0
2-CHLOROPHENOL-D4	0.869	0.792	0.800	8.9	25.0
1,2-DICHLOROBENZENE-D4	0.986	0.912	0.800	7.5	25.0
NITROBENZENE-D5	0.516	0.590	0.200	-14.3	25.0
FLUOROBIPHENYL	1.463	1.340	0.700	8.4	25.0
2,4,6-TRIBROMOPHENOL	0.147	0.160	0.010	-8.8	
P-TERPHENYL-D14	1.032	0.990	0.500	4.1	25.0

All other compounds must meet a minimum RRF of 0.010.

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: EPA REG 1 Contract:

Project No.: 99187 Site: AMERICAN GLUE Location: Group:

Instrument ID: HP5988 Calibration Date: 3/13/99 Time: 1015

Lab File ID: 03129A11.D Init. Calib. Date(s): 3/12/99 1/0/00

Init. Calib. Times: 0915 0000

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
ANILINE	1.177	1.056		10.3	
PHENOL	1.098	1.159	0.800	-5.6	25.0
BIS(2-CHLOROETHYL) ETHER	1.056	1.151	0.700	-9.0	25.0
2-CHLOROPHENOL	0.838	0.852	0.800	-1.7	25.0
1,3-DICHLOROBENZENE	0.920	0.914	0.600	0.7	25.0
1,4-DICHLOROBENZENE	0.942	0.945	0.500	-0.3	25.0
BENZYL ALCOHOL	0.597	0.492		17.6	
1,2-DICHLOROBENZENE	0.873	0.887	0.400	-1.6	25.0
2-METHYLPHENOL	0.760	0.749	0.700	1.4	25.0
BIS(2-CHLOROISOPROPYL)ETHER	1.142	1.871		-63.8	25.0
4-METHYLPHENOL	0.971	1.037	0.600	-6.8	25.0
N-NITROSODIPROPYLAMINE	0.774	0.976	0.500	-26.1	25.0
HEXACHLOROETHANE	0.448	0.450	0.300	-0.4	25.0
NITROBENZENE	0.560	0.577	0.200	-3.0	25.0
ISOPHORONE	0.927	1.044	0.400	-12.6	25.0
2-NITROPHENOL	0.200	0.207	0.100	-3.5	25.0
2,4-DIMETHYLPHENOL	0.389	0.348	0.200	10.5	25.0
BIS(2-CHLOROETHOXY)METHANE	0.574	0.634	0.300	-10.5	25.0
BENZOIC ACID	0.252	0.288		-14.3	
2,4-DICHLOROPHENOL	0.278	0.298	0.200	-7.2	25.0
1,2,4-TRICHLOROBENZENE	0.313	0.321	0.200	-2.6	25.0
NAPHTHALENE	1.092	1.052	0.700	3.7	25.0
4-CHLOROANILINE	0.341	0.377		-10.6	
HEXACHLOROBUTADIENE	0.195	0.176		9.7	
4-CHLORO-3-METHYLPHENOL	0.338	0.360	0.200	-6.5	25.0
2-METHYLNAPHTHALENE	0.698	0.655	0.400	6.2	25.0
HEXACHLOROCYCLOPENTADIENE	0.387	0.355		8.3	
2,4,6-TRICHLOROPHENOL	0.393	0.372	0.200	5.3	25.0
2,4,5-TRICHLOROPHENOL	0.403	0.378	0.200	6.2	25.0
2-CHLORONAPHTHALENE	1.319	1.250	0.800	5.2	25.0
2-NITROANILINE	0.456	0.499		-9.4	
DIMETHYLPHTHALATE	1.586	1.548		2.4	
ACENAPHTHYLENE	2.068	1.990	0.900	3.8	25.0
2,6-DINITROTOLUENE	0.336	0.366	0.200	-8.9	25.0
3-NITROANILINE	0.673	0.752		-11.7	
ACENAPHTHENE	1.149	1.070	0.900	6.9	25.0
2,4-DINITROPHENOL	0.190	0.192		-1.1	

All other compounds must meet a minimum RRF of 0.010.

7B

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: EPA REG 1 Contract:

Project No.: 99187 Site: AMERICAN GLUE Location: Group:

Instrument ID: HP5988 Calibration Date: 3/13/99 Time: 1015

Lab File ID: 03129A11.D Init. Calib. Date(s): 3/12/99 1/0/00

Init. Calib. Times: 0915 0000

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
DIBENZOFURAN	1.822	1.756	0.800	3.6	25.0
4-NITROPHENOL	0.338	0.328		3.0	
2,4-DINITROTOLUENE	0.470	0.500	0.200	-6.4	25.0
DIETHYLPHTHALATE	1.649	1.616		2.0	
FLUORENE	1.400	1.292	0.900	7.7	25.0
4-CHLOROPHENYL-PHENYLETHER	0.667	0.601	0.400	9.9	25.0
4-NITROANILINE	0.582	0.617		-6.0	
4,6-DINITRO-2-METHYLPHENOL	0.139	0.148		-6.5	
N-NITROSODIPHENYLAMINE	0.507	0.487		3.9	
DIPHENYLHYDRAZINE(AZOBENZE	1.274	1.308		-2.7	
4-BROMOPHENYL-PHENYLETHER	0.220	0.242	0.100	-10.0	25.0
BHC ISOMER (ALPHA)	0.166	0.149		10.2	25.0
HEXACHLOROBENZENE	0.281	0.319	0.100	-13.5	25.0
BHC ISOMER (BETA)	0.132	0.116		12.1	25.0
PENTACHLOROPHENOL	0.146	0.166	0.050	-13.7	25.0
LINDANE-BHC ISOMER (GAMA)	0.141	0.126		10.6	25.0
PHENANTHRENE	1.030	1.053	0.700	-2.2	25.0
ANTHRACENE	1.050	1.048	0.700	0.2	25.0
BHC ISOMER (DELTA)	0.132	0.118		10.6	25.0
CARBAZOLE	0.958	0.992		-3.5	
HEPTACHLOR	0.231	0.239		-3.5	25.0
DIBUTYLPHTHALATE	1.494	1.508		-0.9	
ALDRIN	0.248	0.282		-13.7	25.0
HEPTACHLOR EPOXIDE	0.165	0.168		-1.8	25.0
FLUORANTHENE	1.089	1.117	0.600	-2.6	25.0
PYRENE	1.232	1.184	0.600	3.9	25.0
ENDOSULFAN I	0.037	0.033		10.8	25.0
P,P-DDE	0.285	0.272		4.6	25.0
DIELDRIN	0.321	0.328		-2.2	25.0
ENDRIN	0.105	0.103		1.9	25.0
ENDOSULFAN II	0.040	0.037		7.5	25.0
P,P-DDD	0.503	0.471		6.4	25.0
BUTYLBENZYLPHTHALATE	0.722	0.678		6.1	
P,P-DDT	0.411	0.380		7.5	25.0
ENDOSULFAN SULFATE	0.088	0.092		-4.5	25.0
METHOXYCHLOR	0.807	0.671		16.9	25.0
ENDRIN KETONE	0.148	0.172		-16.2	25.0

All other compounds must meet a minimum RRF of 0.010.

7B

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: EPA REG 1 Contract:

Project No.: 99187 Site: AMERICAN GLUE Location: Group:

Instrument ID: HP5988 Calibration Date: 3/13/99 Time: 1015

Lab File ID: 03129A11.D Init. Calib. Date(s): 3/12/99 1/0/00

Init. Calib. Times: 0915 0000

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
3,3-DICHCHLOROBENZIDINE	0.361	0.369		-2.2	
BENZ(A)ANTHRACENE	1.183	1.040	0.800	12.1	25.0
CHRYSENE	1.133	0.987	0.700	12.9	25.0
BIS(2-ETHYLHEXYL)PHTHALATE	1.072	0.928		13.4	
DI-N-OCTYLPHTHALATE	1.916	1.833		4.3	
BENZO(B)FLUORANTHENE	1.263	1.297	0.700	-2.7	25.0
BENZO(K)FLUORANTHENE	1.330	1.382	0.700	-3.9	25.0
BENZO(A)PYRENE	1.205	1.239	0.700	-2.8	25.0
INDENO(1,2,3-CD)PYRENE	0.865	0.974	0.500	-12.6	25.0
DIBENZO(A,H)ANTHRACENE	0.969	1.135	0.400	-17.1	25.0
BENZO(GHI)PERYLENE	0.937	0.869	0.500	7.3	25.0
FLUOROPHENOL	0.714	0.753	0.600	-5.5	25.0
PHENOL-D5	1.069	1.127	0.800	-5.4	25.0
2-CHLOROPHENOL-D4	0.869	0.818	0.800	5.9	25.0
1,2-DICHLOROBENZENE-D4	0.986	0.953	0.800	3.3	25.0
NITROBENZENE-D5	0.516	0.575	0.200	-11.4	25.0
FLUOROBIPHENYL	1.463	1.322	0.700	-9.6	25.0
2,4,6-TRIBROMOPHENOL	0.147	0.164	0.010	-11.6	
P-TERPHENYL-D14	1.032	0.987	0.500	4.4	25.0

All other compounds must meet a minimum RRF of 0.010.

7B

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: EPA REG 1 Contract:

Project No.: 99187 Site: AMERICAN GLUE Location: Group:

Instrument ID: HP5988 Calibration Date: 3/14/99 Time: 1053

Lab File ID: 03149A02.D Init. Calib. Date(s): 3/12/99 1/0/00

Init. Calib. Times: 0915 0000

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
ANILINE	1.177	0.992		15.7	
PHENOL	1.098	1.212	0.800	-10.4	25.0
BIS(2-CHLOROETHYL) ETHER	1.056	1.133	0.700	-7.3	25.0
2-CHLOROPHENOL	0.838	0.836	0.800	0.2	25.0
1,3-DICHLOROBENZENE	0.920	0.902	0.600	2.0	25.0
1,4-DICHLOROBENZENE	0.942	0.914	0.500	3.0	25.0
BENZYL ALCOHOL	0.597	0.764		-28.0	
1,2-DICHLOROBENZENE	0.873	0.871	0.400	0.2	25.0
2-METHYLPHENOL	0.760	0.812	0.700	-6.8	25.0
BIS(2-CHLOROISOPROPYL)ETHER	1.142	1.901		-66.5	25.0
4-METHYLPHENOL	0.971	1.207	0.600	-24.3	25.0
N-NITROSODIPROPYLAMINE	0.774	0.989	0.500	-27.8	25.0
HEXACHLOROETHANE	0.448	0.457	0.300	-2.0	25.0
NITROBENZENE	0.560	0.623	0.200	-11.3	25.0
ISOPHORONE	0.927	1.073	0.400	-15.7	25.0
2-NITROPHENOL	0.200	0.212	0.100	-6.0	25.0
2,4-DIMETHYLPHENOL	0.389	0.376	0.200	3.3	25.0
BIS(2-CHLOROETHOXY)METHANE	0.574	0.647	0.300	-12.7	25.0
BENZOIC ACID	0.252	0.284		-12.7	
2,4-DICHLOROPHENOL	0.278	0.294	0.200	-5.8	25.0
1,2,4-TRICHLOROBENZENE	0.313	0.322	0.200	-2.9	25.0
NAPHTHALENE	1.092	1.062	0.700	2.7	25.0
4-CHLOROANILINE	0.341	0.392		-15.0	
HEXACHLOROBUTADIENE	0.195	0.185		5.1	
4-CHLORO-3-METHYLPHENOL	0.338	0.357	0.200	-5.6	25.0
2-METHYLNAPHTHALENE	0.698	0.660	0.400	5.4	25.0
HEXACHLOROCYCLOPENTADIENE	0.387	0.364		5.9	
2,4,6-TRICHLOROPHENOL	0.393	0.395	0.200	-0.5	25.0
2,4,5-TRICHLOROPHENOL	0.403	0.439	0.200	-8.9	25.0
2-CHLORONAPHTHALENE	1.319	1.269	0.800	3.8	25.0
2-NITROANILINE	0.456	0.526		-15.4	
DIMETHYLPHTHALATE	1.586	1.537		3.1	
ACENAPHTHYLENE	2.068	1.978	0.900	4.4	25.0
2,6-DINITROTOLUENE	0.336	0.372	0.200	-10.7	25.0
3-NITROANILINE	0.673	0.781		-16.0	
ACENAPHTHENE	1.149	1.110	0.900	3.4	25.0
2,4-DINITROPHENOL	0.190	0.198		-4.2	

All other compounds must meet a minimum RRF of 0.010.

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: EPA REG 1 Contract:

Project No.: 99187 Site: AMERICAN GLUE Location: Group:

Instrument ID: HP5988 Calibration Date: 3/14/99 Time: 1053

Lab File ID: 03149A02.D Init. Calib. Date(s): 3/12/99 1/0/00

Init. Calib. Times: 0915 0000

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
DIBENZOFURAN	1.822	1.801	0.800	1.2	25.0
4-NITROPHENOL	0.338	0.388		-14.8	
2,4-DINITROTOLUENE	0.470	0.509	0.200	-8.3	25.0
DIETHYLPHTHALATE	1.649	1.664		-0.9	
FLUORENE	1.400	1.329	0.900	5.1	25.0
4-CHLOROPHENYL-PHENYLETHER	0.667	0.644	0.400	3.4	25.0
4-NITROANILINE	0.582	0.690		-18.6	
4,6-DINITRO-2-METHYLPHENOL	0.139	0.135		2.9	
N-NITROSODIPHENYLAMINE	0.507	0.457		9.9	
DIPHENYLHYDRAZINE(AZOBENZE	1.274	1.260		1.1	
4-BROMOPHENYL-PHENYLETHER	0.220	0.229	0.100	-4.1	25.0
BHC ISOMER (ALPHA)	0.166	0.140		15.7	25.0
HEXACHLOROBENZENE	0.281	0.299	0.100	-6.4	25.0
BHC ISOMER (BETA)	0.132	0.112		15.2	25.0
PENTACHLOROPHENOL	0.146	0.162	0.050	-11.0	25.0
LINDANE-BHC ISOMER (GAMA)	0.141	0.123		12.8	25.0
PHENANTHRENE	1.030	1.011	0.700	1.8	25.0
ANTHRACENE	1.050	1.040	0.700	1.0	25.0
BHC ISOMER (DELTA)	0.132	0.113		14.4	25.0
CARBAZOLE	0.958	0.965		-0.7	
HEPTACHLOR	0.231	0.221		4.3	25.0
DIBUTYLPHTHALATE	1.494	1.419		5.0	
ALDRIN	0.248	0.263		-6.0	25.0
HEPTACHLOR EPOXIDE	0.165	0.155		6.1	25.0
FLUORANTHENE	1.089	1.023	0.600	6.1	25.0
PYRENE	1.232	1.173	0.600	4.8	25.0
ENDOSULFAN I	0.037	0.031		16.2	25.0
P,P-DDE	0.285	0.271		4.9	25.0
DIELDRIN	0.321	0.333		-3.7	25.0
ENDRIN	0.105	0.102		2.9	25.0
ENDOSULFAN II	0.040	0.036		10.0	25.0
P,P-DDD	0.503	0.467		7.2	25.0
BUTYLBENZYLPHTHALATE	0.722	0.670		7.2	
P,P-DDT	0.411	0.384		6.6	25.0
ENDOSULFAN SULFATE	0.088	0.091		-3.4	25.0
METHOXYCHLOR	0.807	0.675		16.4	25.0
ENDRIN KETONE	0.148	0.168		-13.5	25.0

All other compounds must meet a minimum RRF of 0.010.

7B

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: EPA REG 1 Contract:

Project No.: 99187 Site: AMERICAN GLUE Location: Group:

Instrument ID: HP5988 Calibration Date: 3/14/99 Time: 1053

Lab File ID: 03149A02.D Init. Calib. Date(s): 3/12/99 1/0/00

Init. Calib. Times: 0915 0000

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
3,3-DICHCHLOROBENZIDINE	0.361	0.406		-12.5	
BENZ(A)ANTHRACENE	1.183	1.052	0.800	11.1	25.0
CHRYSENE	1.133	0.997	0.700	12.0	25.0
BIS(2-ETHYLHEXYL)PHTHALATE	1.072	0.939		12.4	
DI-N-OCTYLPHTHALATE	1.916	1.756		8.4	
BENZO(B)FLUORANTHENE	1.263	1.311	0.700	-3.8	25.0
BENZO(K)FLUORANTHENE	1.330	1.375	0.700	-3.4	25.0
BENZO(A)PYRENE	1.205	1.244	0.700	-3.2	25.0
INDENO(1,2,3-CD)PYRENE	0.865	1.071	0.500	-23.8	25.0
DIBENZO(A,H)ANTHRACENE	0.969	1.202	0.400	-24.0	25.0
BENZO(GHI)PERYLENE	0.937	1.059	0.500	-13.0	25.0
FLUOROPHENOL	0.714	0.814	0.600	-14.0	25.0
PHENOL-D5	1.069	1.120	0.800	-4.8	25.0
2-CHLOROPHENOL-D4	0.869	0.806	0.800	7.2	25.0
1,2-DICHLOROBENZENE-D4	0.986	0.923	0.800	6.4	25.0
NITROBENZENE-D5	0.516	0.616	0.200	-19.4	25.0
FLUOROBIPHENYL	1.463	1.311	0.700	10.4	25.0
2,4,6-TRIBROMOPHENOL	0.147	0.164	0.010	-11.6	
P-TERPHENYL-D14	1.032	0.983	0.500	4.7	25.0

All other compounds must meet a minimum RRF of 0.010.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: EPA REG 1 Contract:

Project No.: 99187 Site: AMERICAN GLUE Location: Group:

Lab File ID (Standard): 03129A02.D Date Analyzed: 3/12/99

Instrument ID: HP5988 Time Analyzed: 0915

		IS1 AREA	#	RT	#	IS2 AREA	#	RT	#	IS3 AREA	#	RT	#
	12 HOUR STD	67783		16.31		144848		20.46		72203		26.41	
	UPPER LIMIT	135566		16.81		289696		20.96		144406		26.91	
	LOWER LIMIT	33892		15.81		72424		19.96		36102		25.91	
	SAMPLE NO.												
01	SBLK01	43615		16.31		101417		20.46		49656		26.40	
02	S67827	47360		16.30		105563		20.46		53150		26.41	
03	67827MS	60075		16.31		117887		20.46		57902		26.40	
04	67827MSD	61504		16.31		121823		20.46		60192		26.41	
05	S67828	51863		16.30		118411		20.44		59649		26.39	
06	S67829D	46857		16.30		113943		20.44		57248		26.39	
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IS1 = 1,4-DICHLOROBENZENE-D4
IS2 = NAPHTHALENE-D8
IS3 = ACENAPHTHENE-D10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: EPA REG 1 Contract:

Project No.: 99187 Site: AMERICAN GLUE Location: Group:

Lab File ID (Standard): 03129A02.D Date Analyzed: 3/12/99

Instrument ID: HP5988 Time Analyzed: 0915

		IS4 AREA	#	RT	#	IS5 AREA	#	RT	#	IS6 AREA	#	RT	#
	12 HOUR STD	141686		31.51		134078		40.53		114948		45.89	
	UPPER LIMIT	283372		32.01		268156		41.03		229896		46.39	
	LOWER LIMIT	70843		31.01		67039		40.03		57474		45.39	
	SAMPLE NO.												
01	SBLK01	97365		31.50		89404		40.51		70435		45.89	
02	S67827	99675		31.49		99896		40.51		81101		45.88	
03	67827MS	113097		31.49		108263		40.51		89761		45.88	
04	67827MSD	115105		31.49		107639		40.51		88699		45.88	
05	S67828	110851		31.49		110594		40.51		89920		45.88	
06	S67829D	108153		31.49		106160		40.50		85395		45.86	
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IS4 = PHENANTHRENE-D10
IS5 = CHRYSENE-D12
IS6 = PERYLENE-D12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: EPA REG 1 Contract:

Project No.: 99187 Site: AMERICAN GLUE Location: Group:

Lab File ID (Standard): 03129A11.D Date Analyzed: 3/13/99

Instrument ID: HP5988 Time Analyzed: 1015

		IS1 AREA	#	RT	#	IS2 AREA	#	RT	#	IS3 AREA	#	RT	#
	12 HOUR STD	72040		16.28		170380		20.43		85724		26.39	
	UPPER LIMIT	144080		16.78		340760		20.93		171448		26.89	
	LOWER LIMIT	36020		15.78		85190		19.93		42862		25.89	
	SAMPLE NO.												
01	S67830	43711		16.28		107179		20.43		57118		26.38	
02	S67831D	50509		16.28		117806		20.43		59637		26.38	
03	S67832D	47023		16.28		117753		20.43		60382		26.38	
04	S67833D	51562		16.28		120969		20.43		60157		26.38	
05	S67834D	45654		16.28		116727		20.43		60343		26.38	
06	S67835	52487		16.27		126885		20.43		62375		26.38	
07	S67836	55500		16.27		131246		20.42		64318		26.37	
08	S67830D	48908		16.27		121378		20.42		60611		26.38	
09	S67829	53135		16.27		126733		20.43		65923		26.37	
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IS1 = 1,4-DICHLOROBENZENE-D4
IS2 = NAPHTHALENE-D8
IS3 = ACENAPHTHENE-D10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: EPA REG 1 Contract:

Project No.: 99187 Site: AMERICAN GLUE Location: Group:

Lab File ID (Standard): 03129A11.D Date Analyzed: 3/13/99

Instrument ID: HP5988 Time Analyzed: 1015

		IS4 AREA #	RT #	IS5 AREA #	RT #	IS6 AREA #	RT #
	12 HOUR STD	161606	31.49	153586	40.51	131805	45.87
	UPPER LIMIT	323212	31.99	307172	41.01	263610	46.37
	LOWER LIMIT	80803	30.99	76793	40.01	65903	45.37
	SAMPLE NO.						
01	S67830	105615	31.48	118510	40.49	98797	45.87
02	S67831D	107742	31.47	106427	40.50	83465	45.86
03	S67832D	113208	31.48	130088	40.50	83509	45.89
04	S67833D	110633	31.47	110084	40.49	88245	45.85
05	S67834D	107819	31.47	108215	40.50	84337	45.86
06	S67835	110310	31.48	123023	40.51	90285	45.88
07	S67836	125877	31.47	125079	40.51	97877	45.87
08	S67830D	116337	31.47	115622	40.48	95854	45.86
09	S67829	123205	31.48	123491	40.49	99484	45.85
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IS4 = PHENANTHRENE-D10
IS5 = CHRYSENE-D12
IS6 = PERYLENE-D12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: EPA REG 1 Contract:

Project No.: 99187 Site: AMERICAN GLUE Location: Group:

Lab File ID (Standard): 03149A02.D Date Analyzed: 3/14/99

Instrument ID: HP5988 Time Analyzed: 1053

		IS1 AREA	#	RT	#	IS2 AREA	#	RT	#	IS3 AREA	#	RT	#
	12 HOUR STD	70706		16.27		161088		20.42		79386		26.38	
	UPPER LIMIT	141412		16.77		322176		20.92		158772		26.88	
	LOWER LIMIT	35353		15.77		80544		19.92		39693		25.88	
	SAMPLE NO.												
01	S67831	55718		16.27		120521		20.42		58021		26.37	
02	S67833	52115		16.27		120188		20.42		57666		26.37	
03	S67834	46129		16.27		115728		20.41		55818		26.36	
04	S67832	47804		16.26		110168		20.41		56410		26.37	
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IS1 = 1,4-DICHLOROBENZENE-D4
IS2 = NAPHTHALENE-D8
IS3 = ACENAPHTHENE-D10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: EPA REG 1 Contract:

Project No.: 99187 Site: AMERICAN GLUE Location: Group:

Lab File ID (Standard): 03149A02.D Date Analyzed: 3/14/99

Instrument ID: HP5988 Time Analyzed: 1053

		IS4 AREA #	RT #	IS5 AREA #	RT #	IS6 AREA #	RT #
	12 HOUR STD	160549	31.47	140856	40.50	127350	45.84
	UPPER LIMIT	321098	31.97	281712	41.00	254700	46.34
	LOWER LIMIT	80275	30.97	70428	40.00	63675	45.34
	SAMPLE NO.						
01	S67831	100075	31.45	103519	40.47	84948	45.83
02	S67833	102854	31.47	100261	40.48	88344	45.83
03	S67834	103754	31.46	112095	40.48	103356	45.83
04	S67832	107495	31.47	112918	40.53	44192 *	45.96
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IS4 = PHENANTHRENE-D10
IS5 = CHRYSENE-D12
IS6 = PERYLENE-D12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

67827MS

Lab EPA REG 1 Contract:

Proj 99187 Site: AMERICAN Location: Group:

Matrix: (soil/wat SOIL Lab Sample ID: 67827MS

wet Sample wt/vol: 5.0 (g/mL) G Lab File ID: 03129A06.D

Dry: 4.4 g Date Collected: 3/2/99

Level: (low/m MED Date Received: 3/3/99

% 12 decanted: (Y/N): Y Date Extracted: 3/9/99

Concentrated Extract Volume 1000 (uL) Date Analyzed: 3/12/99

Injection Volume 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y N pH: 0 Report Factor: 0.68

Concentration Units:

CAS No.	Compound	(ug/L or ug/Kg) ug/Kg	Q
62-53-3	ANILINE	2300	U
108-95-2	PHENOL	33000	
111-44-4	BIS(2-CHLOROETHYL) ETHER	2300	U
95-57-8	2-CHLOROPHENOL	30000	
541-73-1	1,3-DICHLOROBENZENE	2300	U
106-46-7	1,4-DICHLOROBENZENE	14000	
100-51-6	BENZYL ALCOHOL	2300	U
95-50-1	1,2-DICHLOROBENZENE	2300	U
95-48-7	2-METHYLPHENOL	2300	U
108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	2300	U
106-44-5	4-METHYLPHENOL	2300	U
621-64-7	N-NITROSODIPROPYLAMINE	15000	
67-72-1	HEXACHLOROETHANE	2300	U
98-95-3	NITROBENZENE	2300	U
78-59-1	ISOPHORONE	2300	U
88-75-5	2-NITROPHENOL	2300	U
105-67-9	2,4-DIMETHYLPHENOL	2300	U
111-91-1	BIS(2-CHLOROETHOXY)METHANE	2300	U
65-85-0	BENZOIC ACID	2300	U
120-83-2	2,4-DICHLOROPHENOL	2300	U
120-82-1	1,2,4-TRICHLOROBENZENE	16000	
91-20-3	NAPHTHALENE	2300	U
106-47-8	4-CHLOROANILINE	2300	U
87-68-3	HEXACHLOROBUTADIENE	2300	U
59-50-7	4-CHLORO-3-METHYLPHENOL	41000	
91-57-6	2-METHYLNAPHTHALENE	2300	U
77-47-4	HEXACHLOROCYCLOPENTADIENE	2300	U
88-06-2	2,4,6-TRICHLOROPHENOL	2300	U
95-95-4	2,4,5-TRICHLOROPHENOL	2300	U
91-58-7	2-CHLORONAPHTHALENE	2300	U
88-74-4	2-NITROANILINE	2300	U
131-11-3	DIMETHYLPHTHALATE	2300	U
208-96-8	ACENAPHTHYLENE	2300	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

67827MS

Lab EPA REG 1 Contract:

Proj 99187 Site: AMERICAN Location: Group:

Matrix: (soil/wat SOIL Lab Sample ID: 67827MS

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 03129A06.D

Level: (low/m MED Date Received: 3/3/99

% 12 decanted: (Y/N): Y Date Extracted: 3/9/99

Concentrated Extract Volume 1000 (uL) Date Analyzed: 3/12/99

Injection Volume 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y N pH: 0

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
606-20-2	2,6-DINITROTOLUENE	2300	U
99-09-2	3-NITROANILINE	2300	U
83-32-9	ACENAPHTHENE	18000	
51-28-5	2,4-DINITROPHENOL	2300	U
132-64-9	DIBENZOFURAN	2300	U
100-02-7	4-NITROPHENOL	50000	
121-14-2	2,4-DINITROTOLUENE	20000	
84-66-2	DIETHYLPHTHALATE	2300	U
86-73-7	FLUORENE	2300	U
7005-72-3	4-CHLOROPHENYL-PHENYLETHER	2300	U
100-01-6	4-NITROANILINE	2300	U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	2300	U
86-30-6	N-NITROSODIPHENYLAMINE	2300	U
103-33-3	DIPHENYLHYDRAZINE(AZOBENZENE)	2300	U
101-55-3	4-BROMOPHENYL-PHENYLETHER	2300	U
319-84-6	BHC ISOMER (ALPHA)	2300	U
118-74-1	HEXACHLOROBENZENE	2300	U
319-85-7	BHC ISOMER (BETA)	2300	U
87-86-5	PENTACHLOROPHENOL	28000	
58-89-9	LINDANE-BHC ISOMER (GAMA)	2300	U
85-01-8	PHENANTHRENE	890	L
120-12-7	ANTHRACENE	2300	U
319-86-8	BHC ISOMER (DELTA)	2300	U
86-74-8	CARBAZOLE	2300	U
76-44-8	HEPTACHLOR	2300	U
84-74-2	DIBUTYLPHTHALATE	2300	U
309-00-2	ALDRIN	2300	U
1024-57-3	HEPTACHLOR EPOXIDE	2300	U
206-44-0	FLUORANTHENE	1500	L
129-00-0	PYRENE	21000	
959-98-8	ENDOSULFAN I	2300	U
72-55-9	P,P-DDE	2300	U
60-57-1	DIELDRIN	2300	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

67827MS

Lab EPA REG 1 Contract:

Proj 99187 Site: AMERICAN Location: Group:

Matrix: (soil/wat SOIL Lab Sample ID: 67827MS

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 03129A06.D

Level: (low/m MED Date Received: 3/3/99

% 12 decanted: (Y/N): Y Date Extracted: 3/9/99

Concentrated Extract Volume 1000 (uL) Date Analyzed: 3/12/99

Injection Volume 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y N pH: 0

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
72-20-8	ENDRIN	2300	U
33213-65-9	ENDOSULFAN II	2300	U
72-54-8	P,P-DDD	2300	U
85-68-7	BUTYLBENZYLPHTHALATE	2300	U
50-29-3	P,P-DDT	2300	U
1031-07-8	ENDOSULFAN SULFATE	2300	U
72-43-5	METHOXYCHLOR	2300	U
53494-70-5	ENDRIN KETONE	2300	U
91-94-1	3,3-DICHCHLOROBENZIDINE	2300	U
56-55-3	BENZ(A)ANTHRACENE	420	L
218-01-9	CHRYSENE	590	L
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	2300	U
117-84-0	DI-N-OCTYLPHTHALATE	2300	U
205-99-2	BENZO(B)FLUORANTHENE	610	L
207-08-9	BENZO(K)FLUORANTHENE	260	L
50-32-8	BENZO(A)PYRENE	450	
193-39-5	INDENO(1,2,3-CD)PYRENE	2300	U
53-70-3	DIBENZO(A,H)ANTHRACENE	2300	U
191-24-2	BENZO(GHI)PERYLENE	2300	U

QUANTITATION SHEET

SAMPLE NUMBER 67827MS

Tentatively Identified Compounds

SCAN NO.	COMPOUND	PROB. MATCH	CONC (ug/ml)	EST. C. (ug/kg)	CAS NO.	CHEM. FORM.
77	4-hydroxy-4-methyl-2-pentanone	50	—	~300,000 AB	123-42-2	
2272	C26 Hydrocarbon	42	—	~1000 J	—	
2355	Unknown	—	—	~2000 BJ	—	
2377	Unknown	—	—	~2000 BJ	—	

~ = Approximate
< = Less than
> = Greater than
NA = Not available due to dilution or interference
E = Estimated value that exceeds the calibration range
L = Estimated value that is below the calibration range
B = Analyte associated with the lab, trip blank. Reported values are 5X higher than blank. Phthalates must be 10X.

Quantitation Report

Data File : C:\HPCHEM\1\DATA\03129A06.D
Acq On : 12 Mar 99 2:56 pm
Sample : 67827 MS
Misc : American Glue & Resin P#99187
Quant Time: Mar 13 9:54 1999

Vial: 6
Operator: ESAT
Inst : 5988
Multiplr: 227.69

Method : C:\HPCHEM\1\METHODS\03129A01.M
Title : semivolatiles
Last Update : Fri Mar 12 11:19:03 1999
Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DICHLOROBENZENE-D4	16.31	150	60075	40.00	ug/ml	0.00
19) NAPHTHALENE-D8	20.46	136	117887	40.00	ug/ml	0.00
34) ACENAPHTHENE-D10	26.40	164	57902	40.00	ug/ml	0.00
54) PHENANTHRENE-D10	31.49	188	113097	40.00	ug/ml	-0.02
74) CHRYSENE-D12	40.51	240	108263	40.00	ug/ml	-0.01
92) PERYLENE-D12	45.88	264	89761	40.00	ug/ml	0.00
System Monitoring Compounds						%Recovery
2) FLUOROPHENOL	12.47	112	157625	137.21	ug/ml	68.61%
4) PHENOL-D5	15.32	99	229941	145.61	ug/ml	72.81%
5) 2-CHLOROPHENOL-D4	15.67	132	155314	130.59	ug/ml	65.30%
12) 1,2-DICHLOROBENZENE-D4	16.80	150	75174	54.87	ug/ml	54.87%
20) NITROBENZENE-D5	18.15	82	123241	70.86	ug/ml	70.86%
38) FLUOROBIPHENYL	24.13	172	150128	77.39	ug/ml	77.39%
58) 2,4,6-TRIBROMOPHENOL	29.14	330	84452	186.67	ug/ml	93.33%
78) P-TERPHENYL-D14	36.97	244	241413	90.08	ug/ml	90.08%
Target Compounds						Qvalue
6) PHENOL	15.37	94	243088	33425.60	ug/ml	93
8) 2-CHLOROPHENOL	15.72	128	158522	30058.65	ug/ml#	87
10) 1,4-DICHLOROBENZENE	16.36	146	80902	13613.16	ug/ml	95
17) N-NITROSODIPROPYLAMINE	17.65	70	87632	14800.66	ug/ml#	75
28) 1,2,4-TRICHLOROBENZENE	20.26	180	66339	15663.93	ug/ml	98
32) 4-CHLORO-3-METHYLPHENOL	22.48	107	177696	40566.39	ug/ml	98
45) ACENAPHTHENE	26.52	154	129864	18175.54	ug/ml	95
48) 4-NITROPHENOL	27.17	65	89967	50165.22	ug/ml#	59
49) 2,4-DINITROTOLUENE	27.20	165	63111	20312.20	ug/ml#	84
63) PENTACHLOROPHENOL	30.89	266	49455	28359.63	ug/ml	94
65) PHENANTHRENE	31.58	178	11526	888.20	ug/ml	99
73) FLUORANTHENE	35.64	202	20574	1477.91	ug/ml#	93
75) PYRENE	36.42	202	295857	20766.06	ug/ml	96
89) BENZ(A)ANTHRACENE	40.47	228	5265	424.46	ug/ml#	87
90) CHRYSENE	40.60	228	6853	586.01	ug/ml#	91
94) BENZO(B)FLUORANTHENE	44.29	252	7867	609.81	ug/ml#	90
95) BENZO(K)FLUORANTHENE	44.40	252	3541	260.73	ug/ml#	93
96) BENZO(A)PYRENE	45.63	252	5363	447.28	ug/ml#	90

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

Quantitation Report

Data File : c:\hpchem\1\data\03129a06.d Vial: 6
Acq On : 12 Mar 99 2:56 pm Operator: ESAT
Sample : 67827 MS Inst : 5988
Misc : American Glue & Resin P#99187 Multiplr: 1.00
Quant Time: Mar 13 8:35 1999

Method : C:\HPCHEM\1\METHODS\03129A01.M
Title : semivolatiles
Last Update : Fri Mar 12 11:19:03 1999
Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DICHLOROBENZENE-D4	16.31	150	60075	40.00	ug/ml	0.00
19) NAPHTHALENE-D8	20.46	136	117887	40.00	ug/ml	0.00
34) ACENAPHTHENE-D10	26.40	164	57902	40.00	ug/ml	0.00
54) PHENANTHRENE-D10	31.49	188	113097	40.00	ug/ml	-0.02
74) CHRYSENE-D12	40.51	240	108263	40.00	ug/ml	-0.01
92) PERYLENE-D12	45.88	264	89761	40.00	ug/ml	0.00
System Monitoring Compounds						%Recovery
2) FLUOROPHENOL	12.47	112	157625	137.21	ug/ml	68.61%
4) PHENOL-D5	15.32	99	229941	145.61	ug/ml	72.81%
5) 2-CHLOROPHENOL-D4	15.67	132	155314	130.59	ug/ml	65.30%
12) 1,2-DICHLOROBENZENE-D4	16.80	150	75174	54.87	ug/ml	54.87%
20) NITROBENZENE-D5	18.15	82	123241	70.86	ug/ml	70.86%
38) FLUOROBIPHENYL	24.13	172	150128	77.39	ug/ml	77.39%
58) 2,4,6-TRIBROMOPHENOL	29.14	330	84452	186.67	ug/ml	93.33%
78) P-TERPHENYL-D14	36.97	244	241413	90.08	ug/ml	90.08%
Target Compounds						Qvalue
6) PHENOL	15.37	94	243088	146.81	ug/ml	93
7) BIS(2-CHLOROETHYL) ETHER	15.71	93	4784	~~2.96 ug/ml#~~		1
8) 2-CHLOROPHENOL	15.72	128	158522	132.02	ug/ml#	87
10) 1,4-DICHLOROBENZENE	16.36	146	80902	59.79	ug/ml	95
11) BENZYL ALCOHOL	16.80	79	1924	~~2.74 ug/ml#~~		2
17) N-NITROSODIPROPYLAMINE	17.65	70	87632	65.00	ug/ml#	75
28) 1,2,4-TRICHLOROBENZENE	20.26	180	66339	68.80	ug/ml	98
32) 4-CHLORO-3-METHYLPHENOL	22.48	107	177696	178.17	ug/ml	98
33) 2-METHYLNAPHTHALENE	22.49	142	128068	~~65.15 ug/ml#~~		19
44) 3-NITROANILINE	26.50	65	1577	~~1.56 ug/ml~~#		15
45) ACENAPHTHENE	26.52	154	129864	79.83	ug/ml	95
48) 4-NITROPHENOL	27.17	65	89967	220.33	ug/ml#	59
49) 2,4-DINITROTOLUENE	27.20	165	63111	89.21	ug/ml#	84
56) N-NITROSODIPHENYLAMINE	29.13	169	2362	1~~.80 ug/ml#~~		43
63) PENTACHLOROPHENOL	30.89	266	49455	124.56	ug/ml	94
65) PHENANTHRENE	31.58	178	11526	3.90	ug/ml	99
66) ANTHRACENE	31.77 ~~31.58~~	178	~~10430~~ 11448	3~~.59 ug/ml~~ 50		99
70) DIBUTYLPHTHALATE	33.56	149	1513	0~~.36 ug/ml#~~		76
73) FLUORANTHENE	35.64	202	20574	6.49	ug/ml#	93
75) PYRENE	36.42	202	295857	91.20	ug/ml	96
89) BENZ(A)ANTHRACENE	40.47	228	5265	1.86	ug/ml#	87
90) CHRYSENE	40.60	228	6853	2.57	ug/ml#	91
91) BIS(2-ETHYLHEXYL)PHTHALATE	40.59	149	2406	0~~.92 ug/ml#~~		90
94) BENZO(B)FLUORANTHENE	44.29	252	7867	2.68	ug/ml#	90
95) BENZO(K)FLUORANTHENE	44.40	252	3541	1.15	ug/ml#	93

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

Quantitation Report

Data File : c:\hpchem\1\data\03129a06.d
Acq On : 12 Mar 99 2:56 pm
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Misc : American Glue & Resin P#99187
Quant Time: Mar 13 8:35 1999

Vial: 6
Operator: ESAT
Inst : 5988
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\03129A01.M
Title : semivolatiles
Last Update : Fri Mar 12 11:19:03 1999
Response via : Single Level Calibration

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
96)	BENZO(A)PYRENE	45.63	252	5363	1.96 ug/ml#	90
97)	INDENO(1,2,3-CD)PYRENE	51.58	276	2991	~~1.38 ug/ml#~~	71
99)	BENZO(GHI)PERYLENE	53.30	276	2534	~~1.18 ug/ml#~~	72

Wet wt = 5.002
Dry wt = 4.392
% moist = 12.2
1 ml FV
NO DIL
mult = 227.6867031

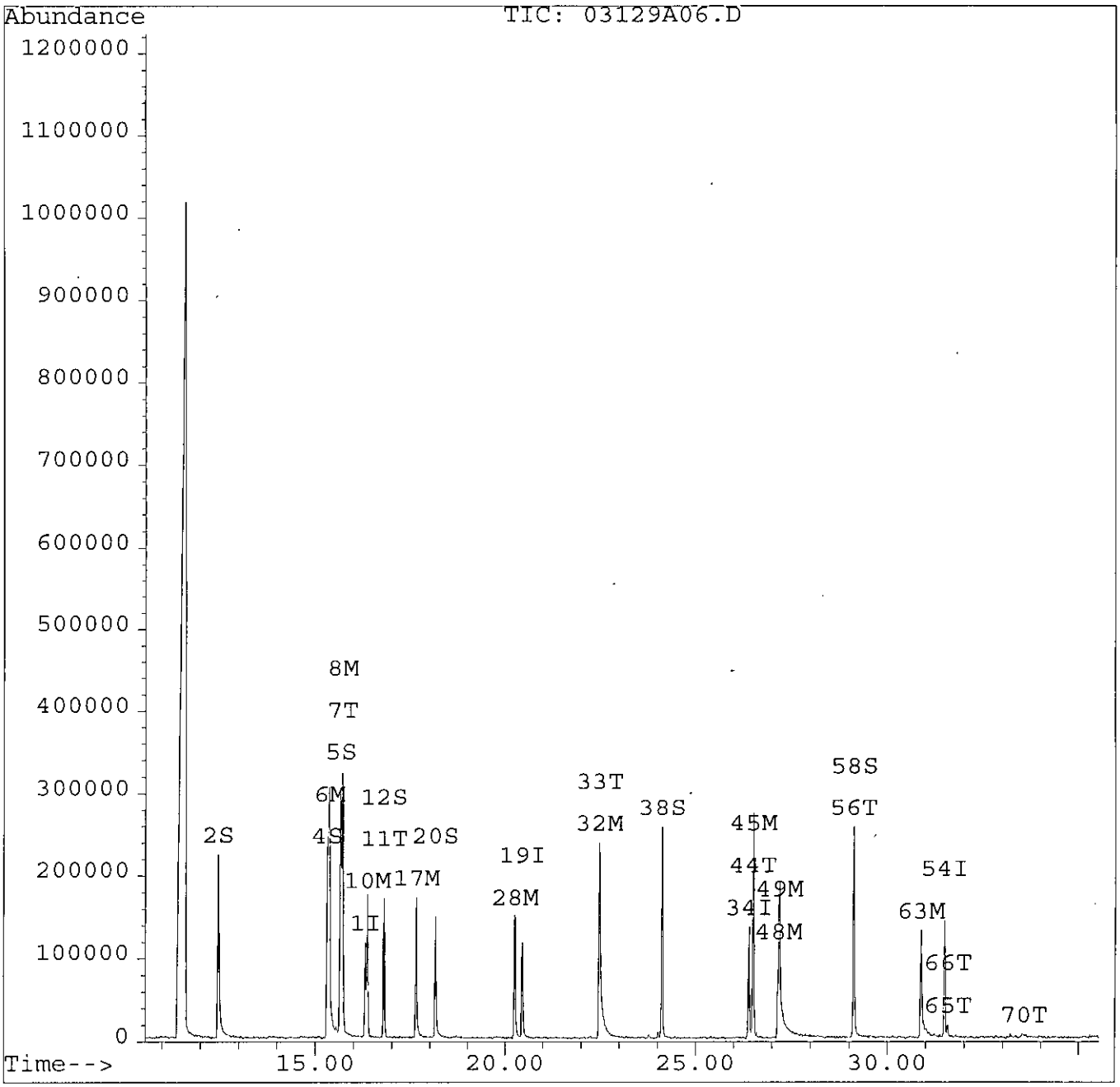
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : c:\hpchem\1\data\03129a06.d
Acq On : 12 Mar 99 2:56 pm
Sample : 67827 MS
Misc : American Glue & Resin P#99187
Quant Time: Mar 13 8:35 1999

Vial: 6
Operator: ESAT
Inst : 5988
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\03129A01.M
Title : semivolatiles
Last Update : Fri Mar 12 11:19:03 1999
Response via : Single Level Calibration

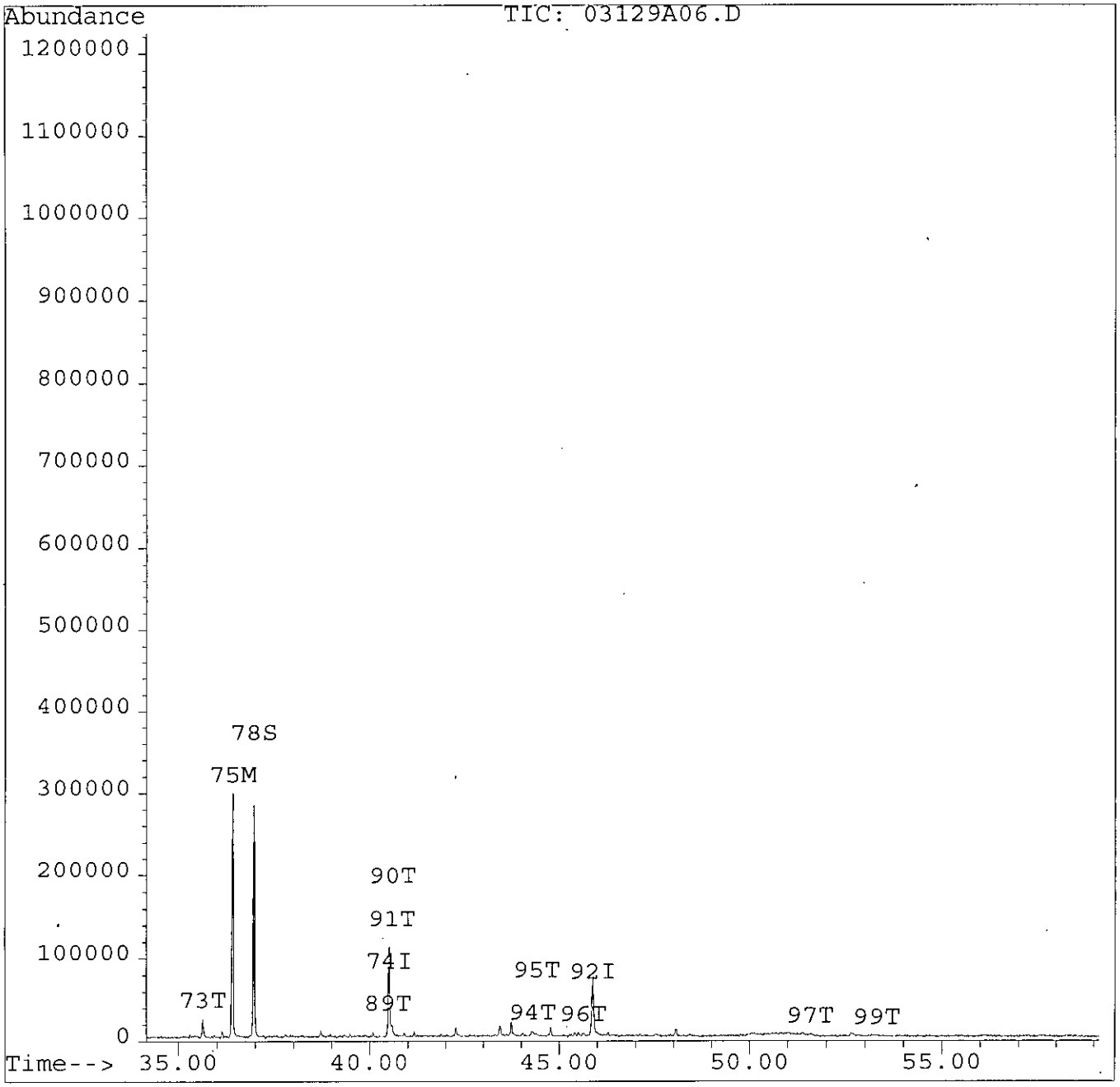


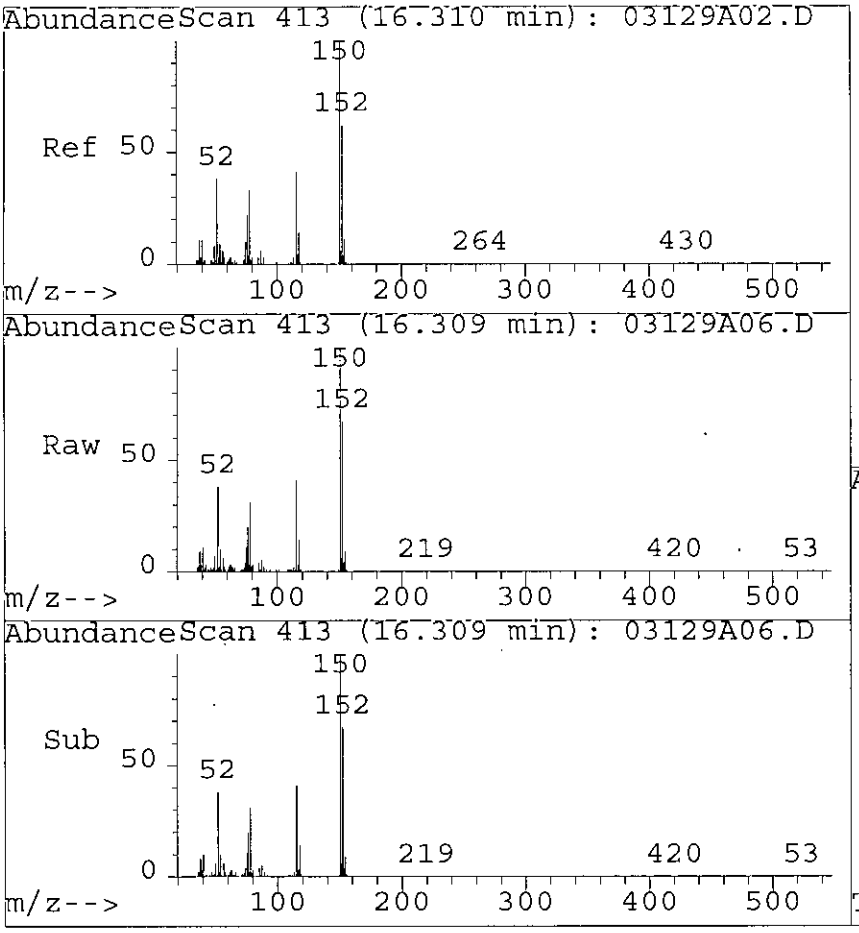
Quantitation Report

Data File : c:\hpchem\1\data\03129a06.d
Acq On : 12 Mar 99 2:56 pm
Sample : 67827 MS
Misc : American Glue & Resin P#99187
Quant Time: Mar 13 8:35 1999

Vial: 6
Operator: ESAT
Inst : 5988
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\03129A01.M
Title : semivolatiles
Last Update : Fri Mar 12 11:19:03 1999
Response via : Single Level Calibration

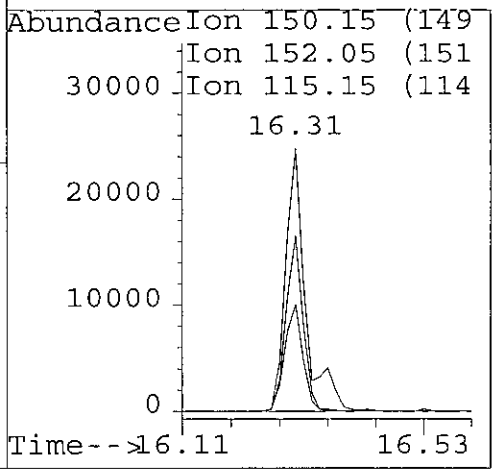


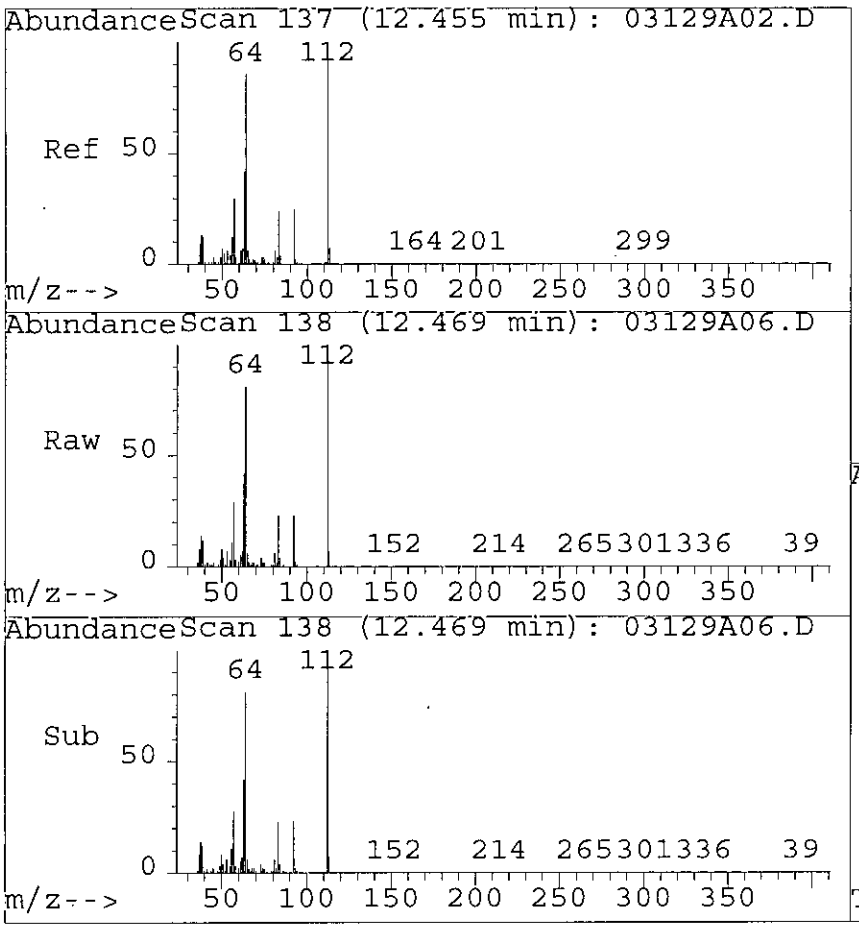


#1
1,4-DICHLOROBENZENE-D4
Concen: 40.00 ug/ml
RT: 16.31 min Scan# 413
Delta R.T. -0.00 min
Lab File: 03129a06.d
Acq: 12 Mar 99 2:56 pm

Tgt Ion:150.15 Resp: 60075

Ion	Ratio	Lower	Upper
150	100		
152	66.7	51.1	76.6
115	40.7	34.7	52.0
0	0.0	0.0	0.0

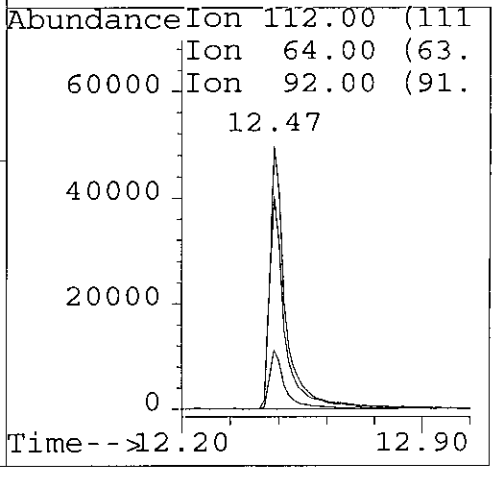


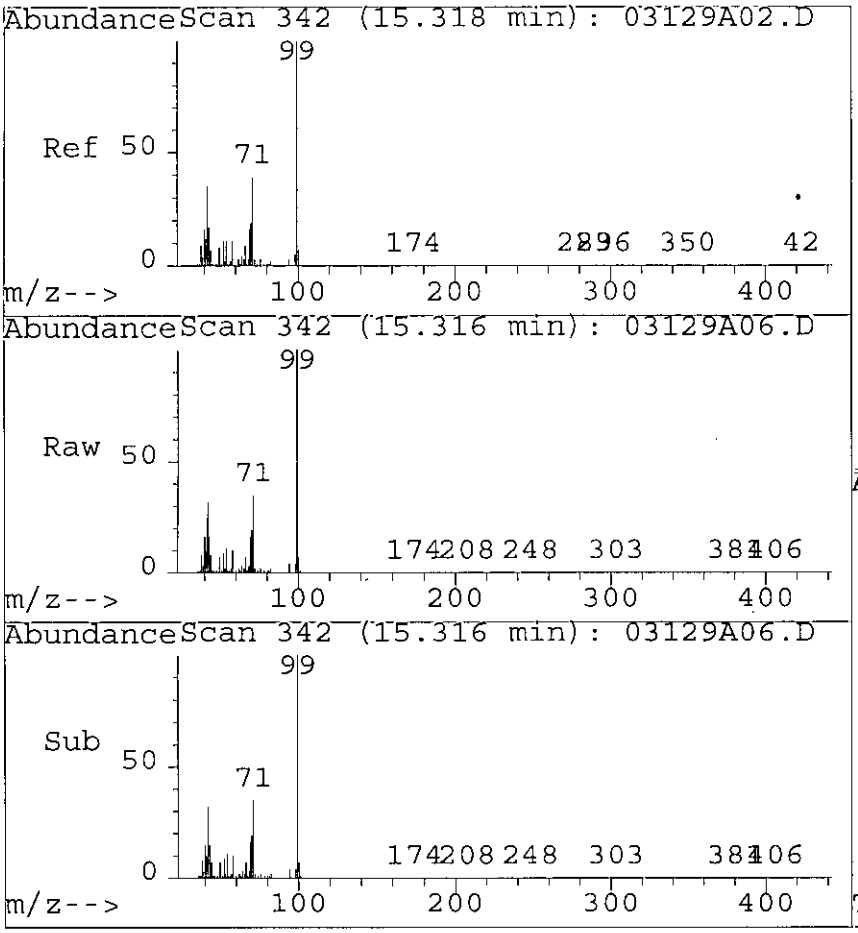


#2
FLUOROPHENOL
Concen: 137.21 ug/ml
RT: 12.47 min Scan# 138
Delta R.T. 0.01 min
Lab File: 03129a06.d
Acq: 12 Mar 99 2:56 pm

Tgt Ion:112 Resp: 157625

Ion	Ratio	Lower	Upper
112	100		
64	81.0	55.4	83.1
92	22.7	24.7	37.0#
0	0.0	0.0	0.0

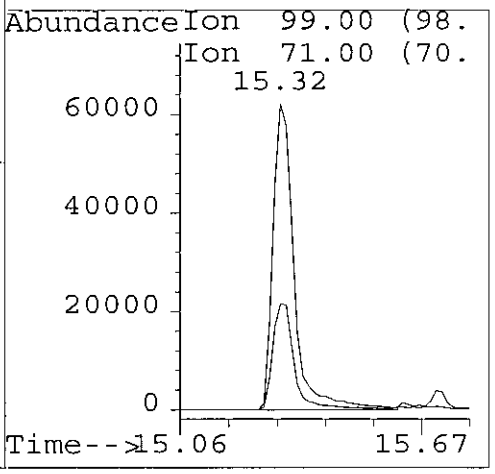


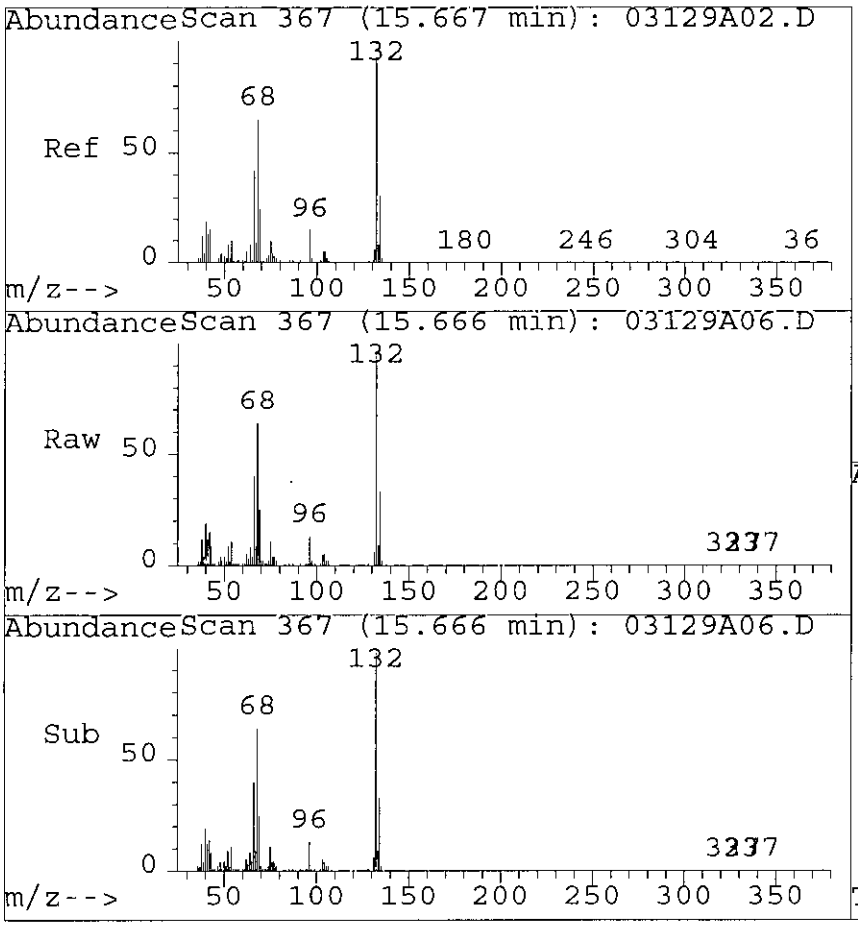


#4
PHENOL-D5
Concen: 145.61 ug/ml
RT: 15.32 min Scan# 342
Delta R.T. -0.00 min
Lab File: 03129a06.d
Acq: 12 Mar 99 2:56 pm

Tgt Ion:99 Resp: 229941

Ion	Ratio	Lower	Upper
99	100		
71	34.8	27.7	41.4
0	0.0	0.0	0.0
0	0.0	0.0	0.0

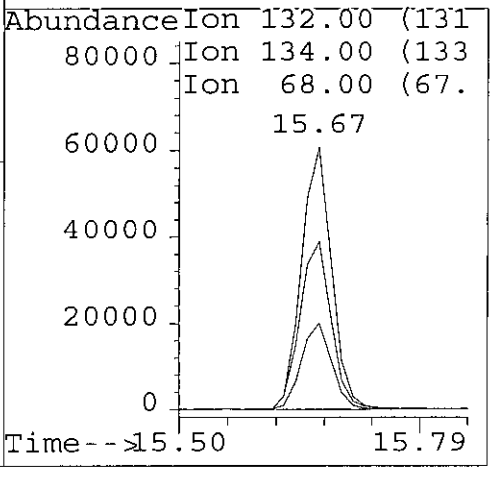


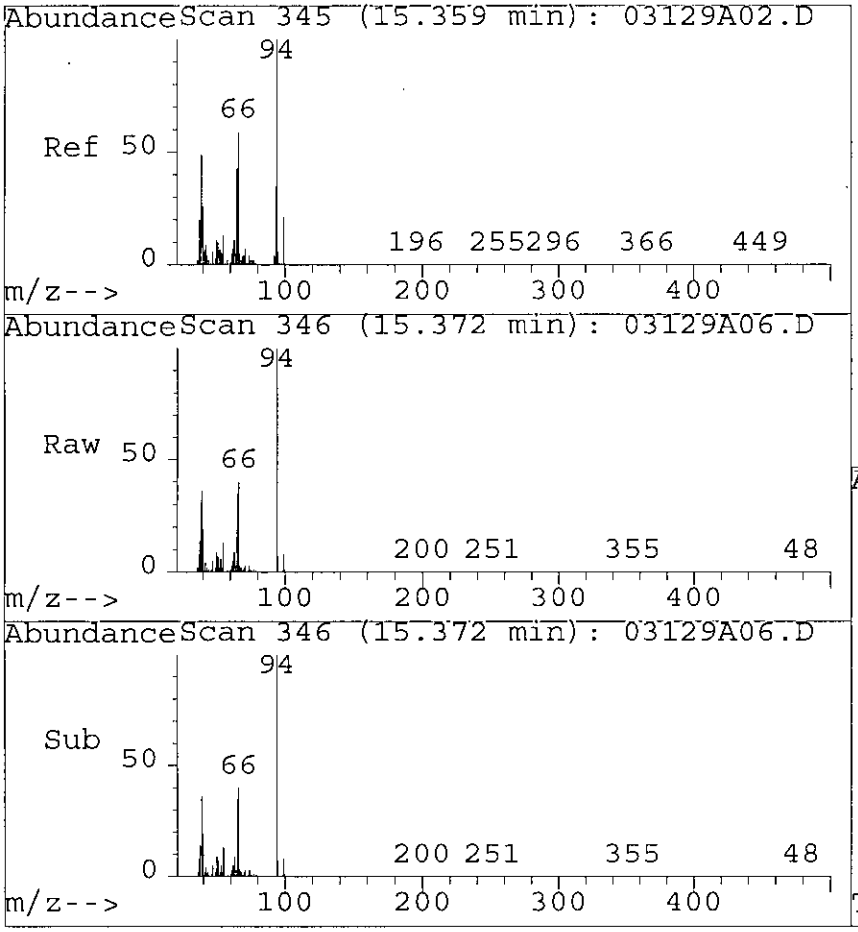


#5
2-CHLOROPHENOL-D4
Concen: 130.59 ug/ml
RT: 15.67 min Scan# 367
Delta R.T. -0.00 min
Lab File: 03129a06.d
Acq: 12 Mar 99 2:56 pm

Tgt Ion:132 Resp: 155314

Ion	Ratio	Lower	Upper
132	100		
134	33.1	24.0	35.9
68	64.2	40.0	59.9#
0	0.0	0.0	0.0

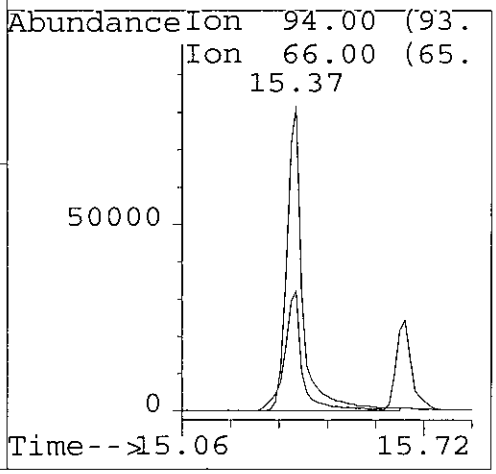


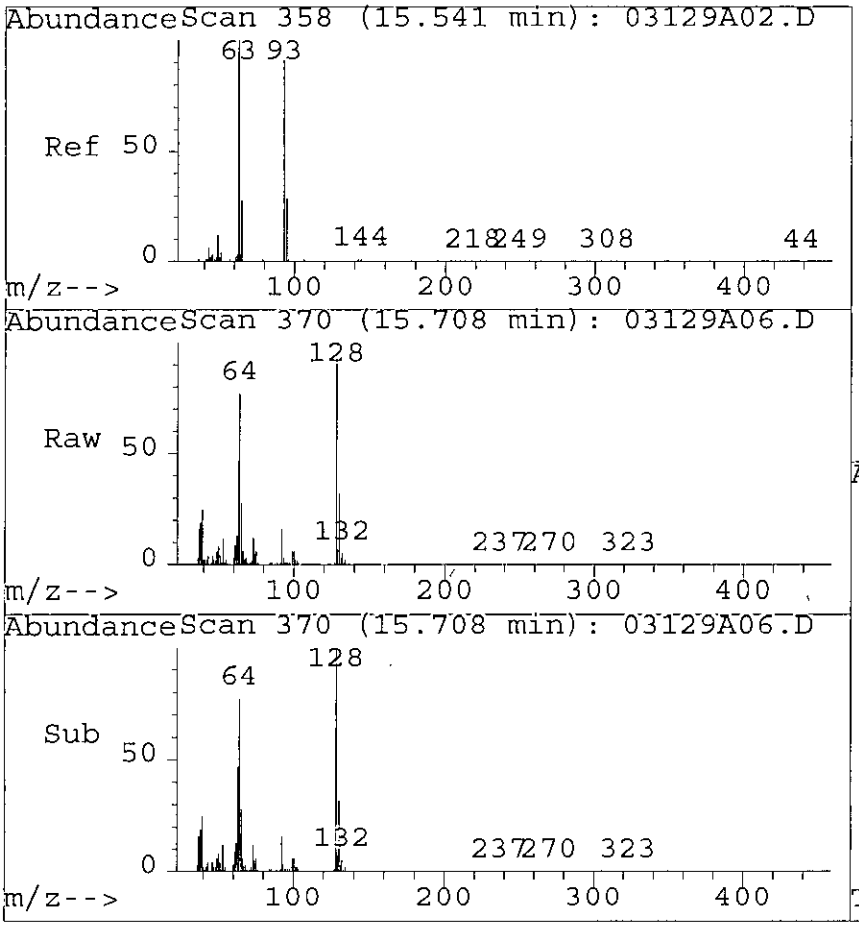


#6
PHENOL
Concen: 146.81 ug/ml
RT: 15.37 min Scan# 346
Delta R.T. 0.01 min
Lab File: 03129a06.d
Acq: 12 Mar 99 2:56 pm

Tgt Ion:94 Resp: 243088

Ion	Ratio	Lower	Upper
94	100		
66	39.6	35.1	52.6
0	0.0	0.0	0.0
0	0.0	0.0	0.0

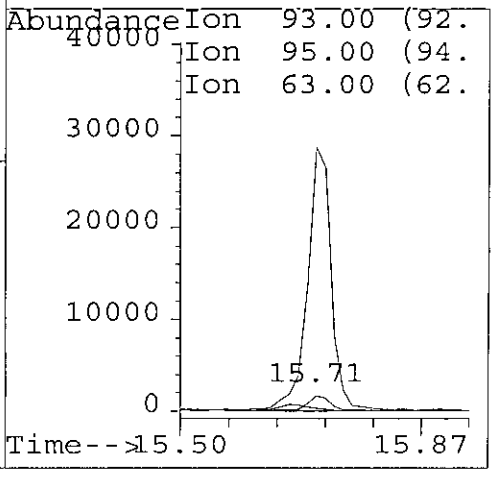


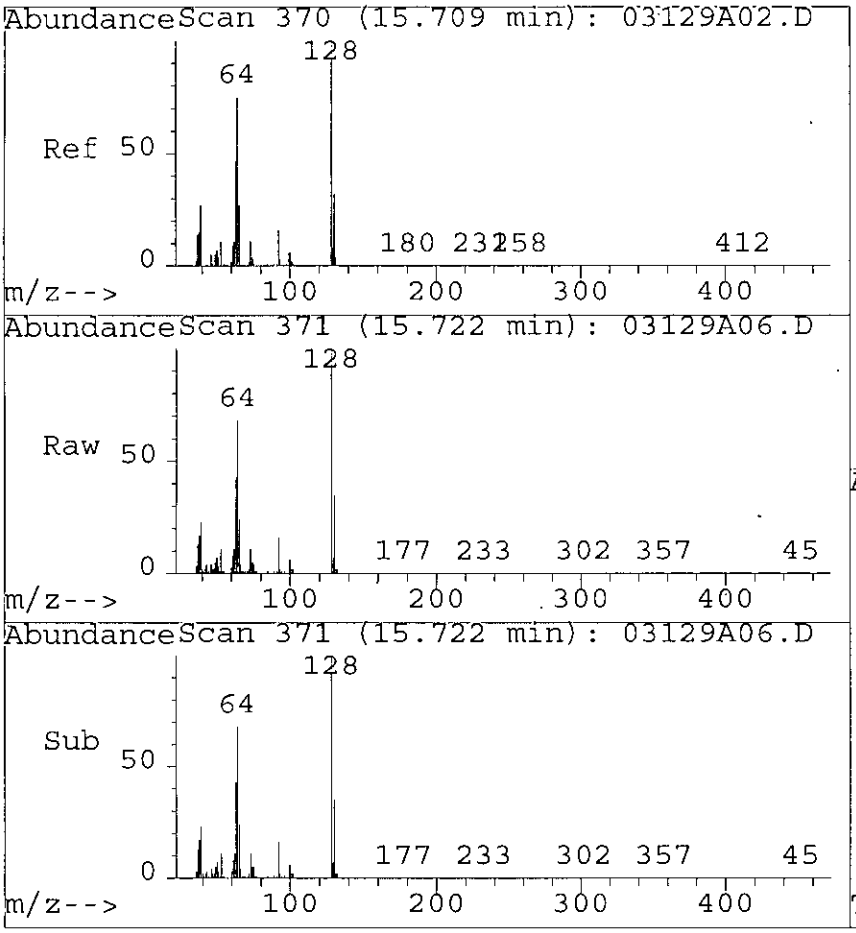


#7
BIS(2-CHLOROETHYL) ETHER
Concen: 2.96 ug/ml
RT: 15.71 min Scan# 370
Delta R.T. 0.17 min
Lab File: 03129a06.d
Acq: 12 Mar 99 2:56 pm

Tgt Ion:93 Resp: 4784

Ion	Ratio	Lower	Upper
93	100		
95	19.5	26.1	39.1#
63	1788.7	60.7	91.0#
0	0.0	0.0	0.0

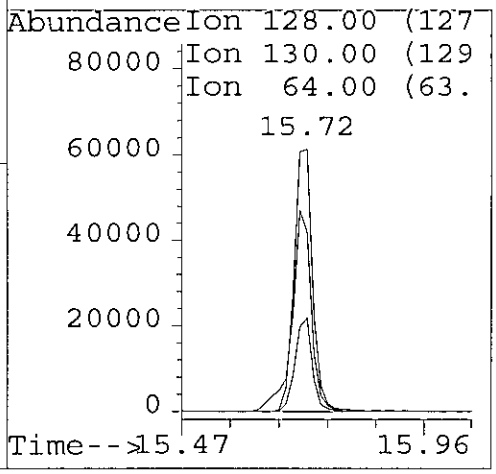


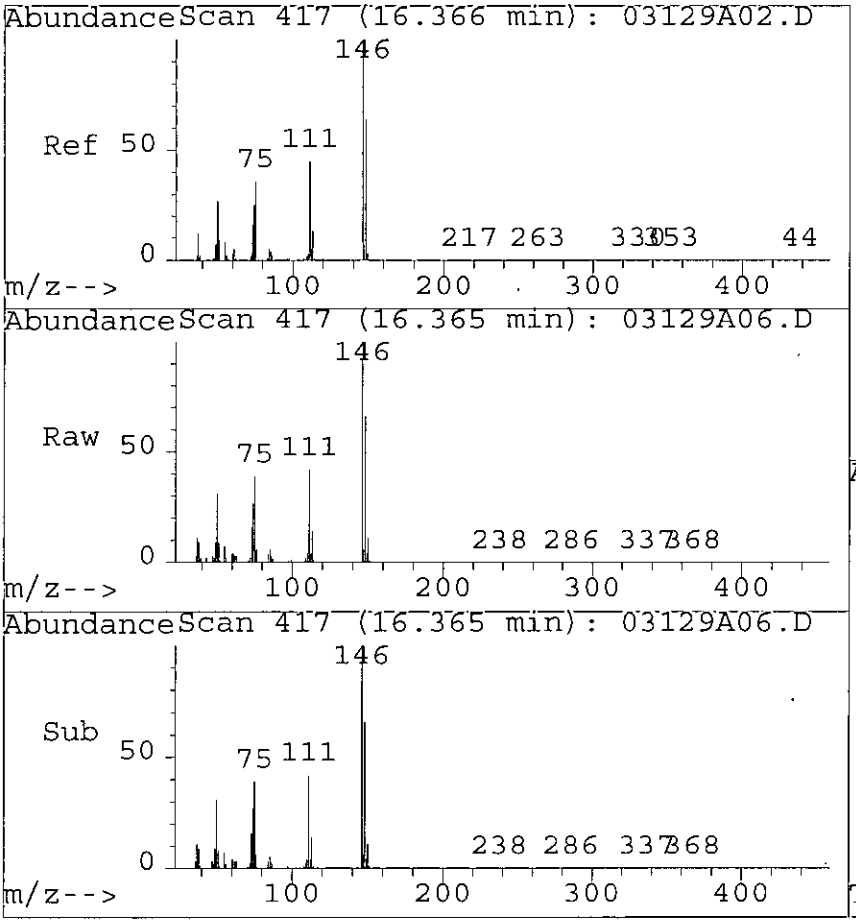


#8
2-CHLOROPHENOL
Concen: 132.02 ug/ml
RT: 15.72 min Scan# 371
Delta R.T. 0.01 min
Lab File: 03129a06.d
Acq: 12 Mar 99 2:56 pm

Tgt Ion:128 Resp: 158522

Ion	Ratio	Lower	Upper
128	100		
130	35.5	26.2	39.3
64	68.3	44.0	65.9#
0	0.0	0.0	0.0

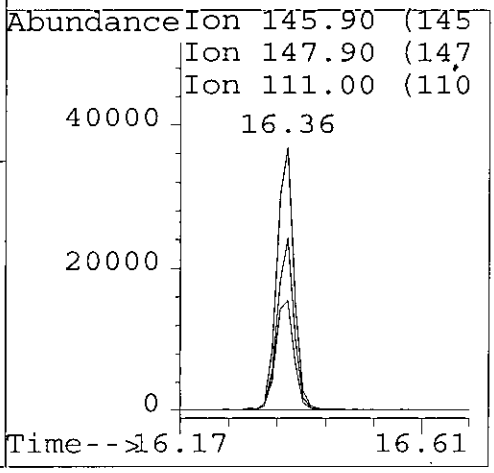


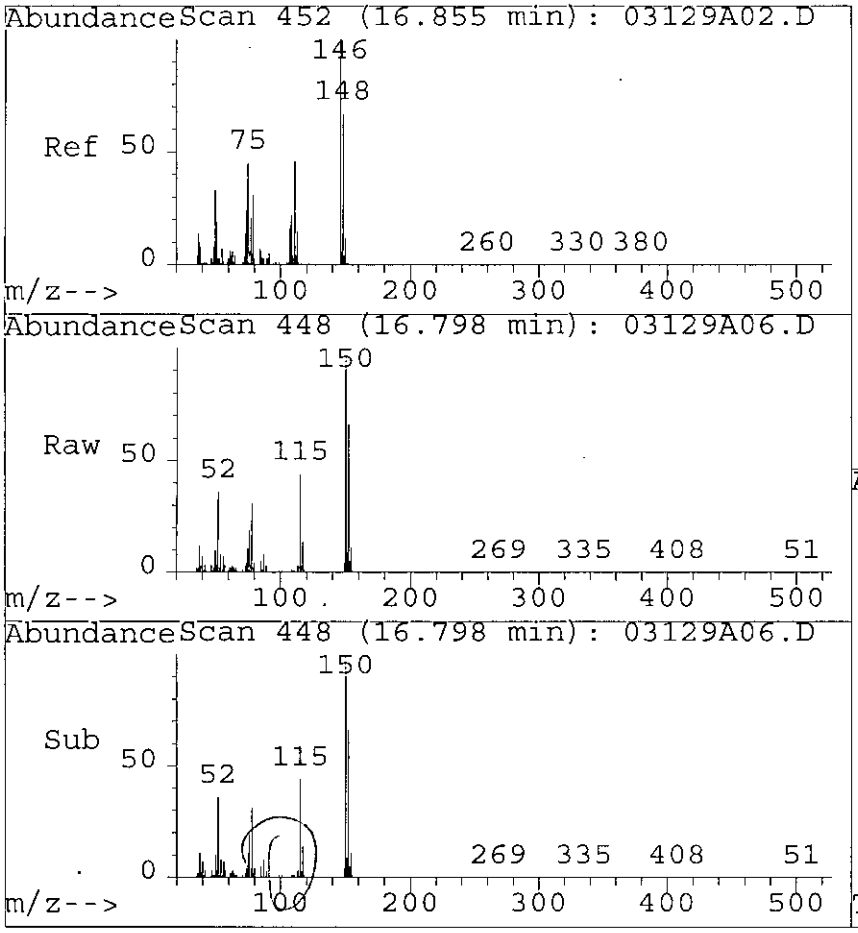


#10
1,4-DICHLOROBENZENE
Concen: 59.79 ug/ml
RT: 16.36 min Scan# 417
Delta R.T. -0.00 min
Lab File: 03129a06.d
Acq: 12 Mar 99 2:56 pm

Tgt Ion:145.9 Resp: 80902

Ion	Ratio	Lower	Upper
146	100		
148	65.7	50.1	75.2
111	42.1	37.2	55.7
0	0.0	0.0	0.0

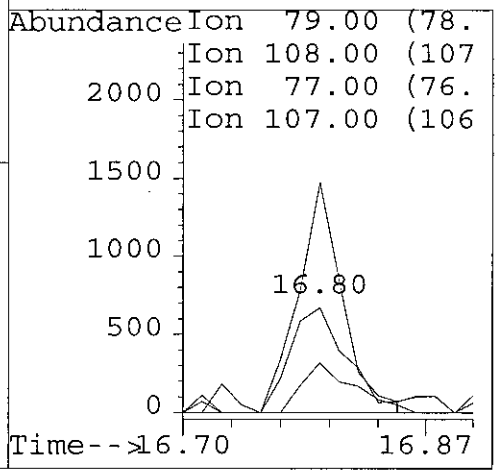


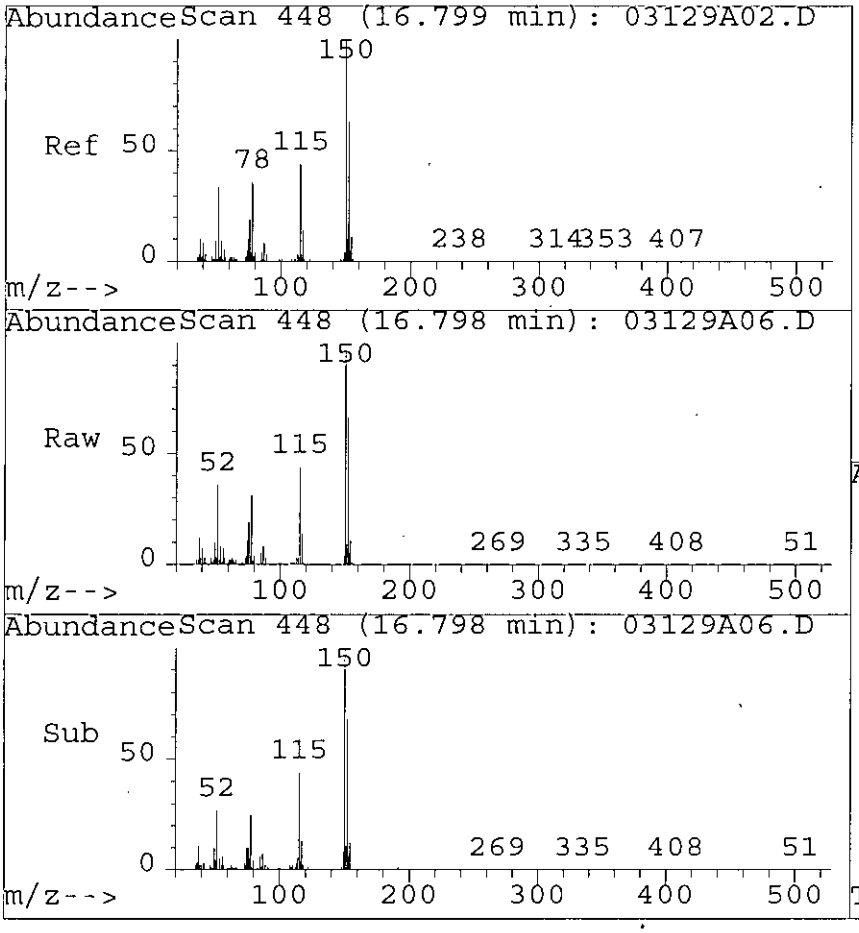


#11
BENZYL ALCOHOL
Concen: 2.74 ug/ml
RT: 16.80 min Scan# 448
Delta R.T. -0.06 min
Lab File: 03129a06.d
Acq: 12 Mar 99 2:56 pm

Tgt Ion:79 Resp: 1924

Ion	Ratio	Lower	Upper
79	100		
108	47.2	49.9	74.8#
77	219.5	53.8	80.7#
107	0.0	39.1	58.6#

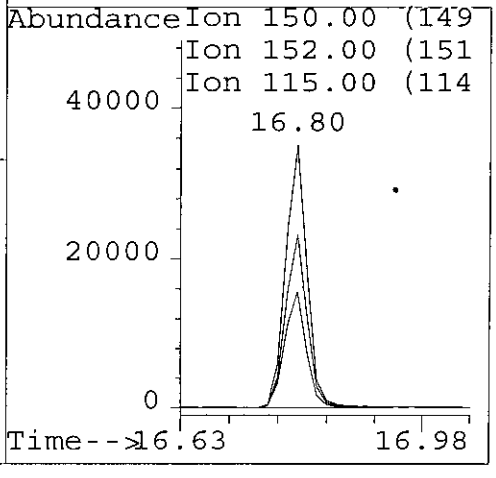


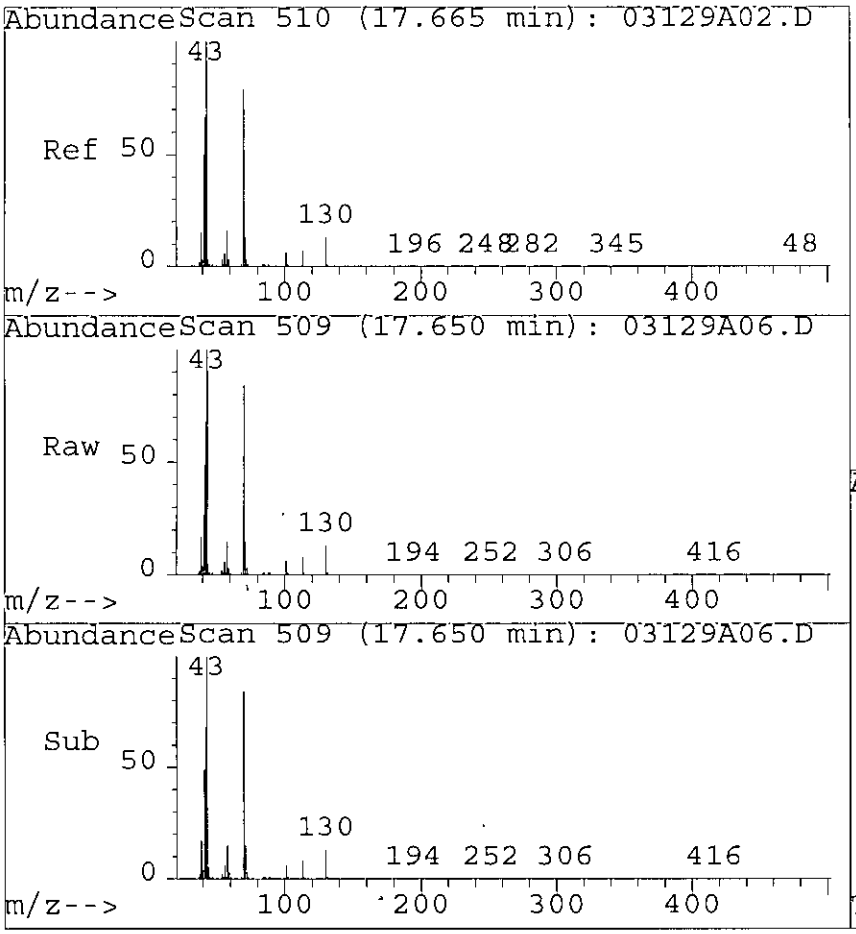


#12
1,2-DICHLOROBENZENE-D4
Concen: 54.87 ug/ml
RT: 16.80 min Scan# 448
Delta R.T. -0.00 min
Lab File: 03129a06.d
Acq: 12 Mar 99 2:56 pm

Tgt Ion:150 Resp: 75174

Ion	Ratio	Lower	Upper
150	100		
152	66.3	52.2	78.3
115	44.5	37.8	56.7
0	0.0	0.0	0.0

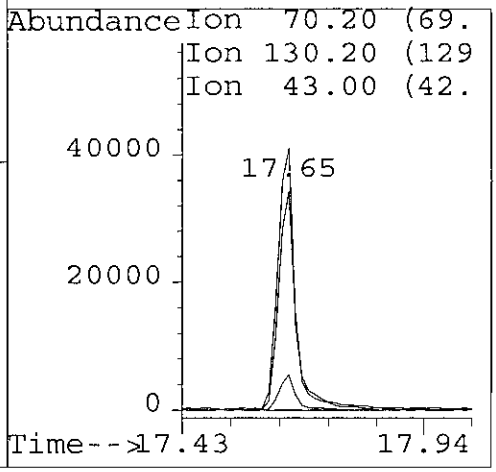


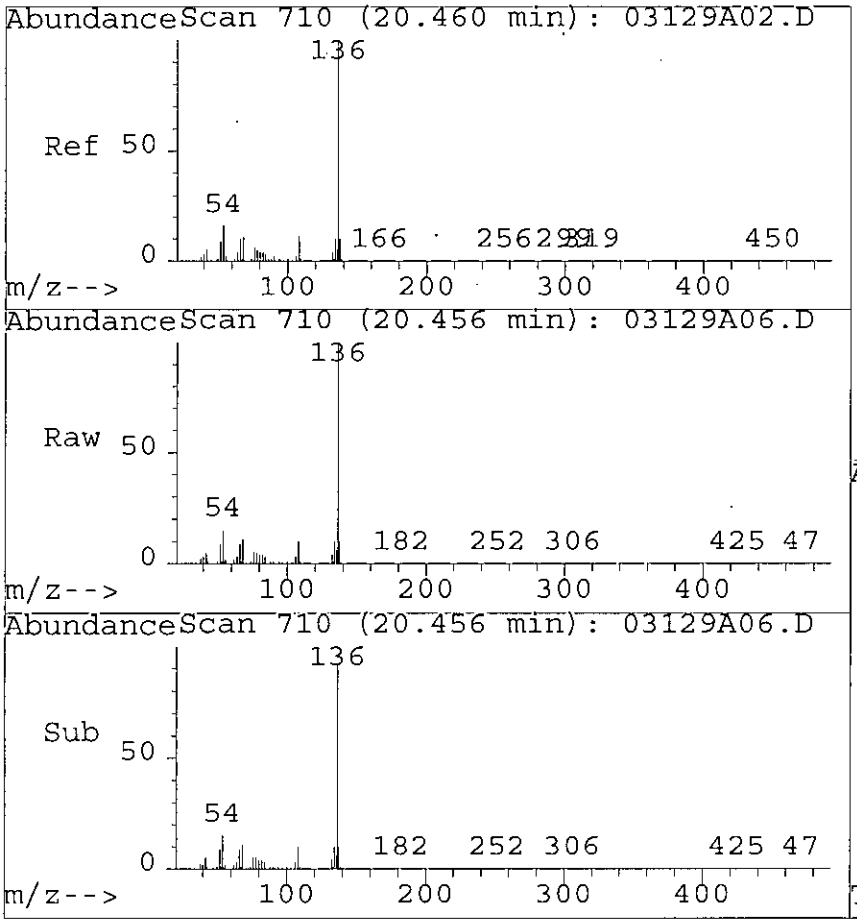


#17
N-NITROSODIPROPYLAMINE
Concen: 65.00 ug/ml
RT: 17.65 min Scan# 509
Delta R.T. -0.02 min
Lab File: 03129a06.d
Acq: 12 Mar 99 2:56 pm

Tgt Ion:70.2 Resp: 87632

Ion	Ratio	Lower	Upper
70	100		
130	16.0	13.0	19.5
43	119.5	73.0	109.5#
0	0.0	0.0	0.0

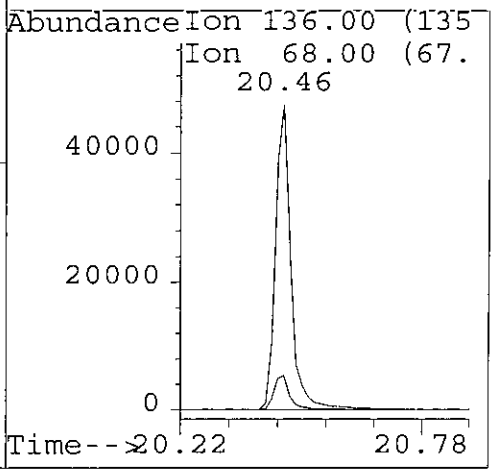


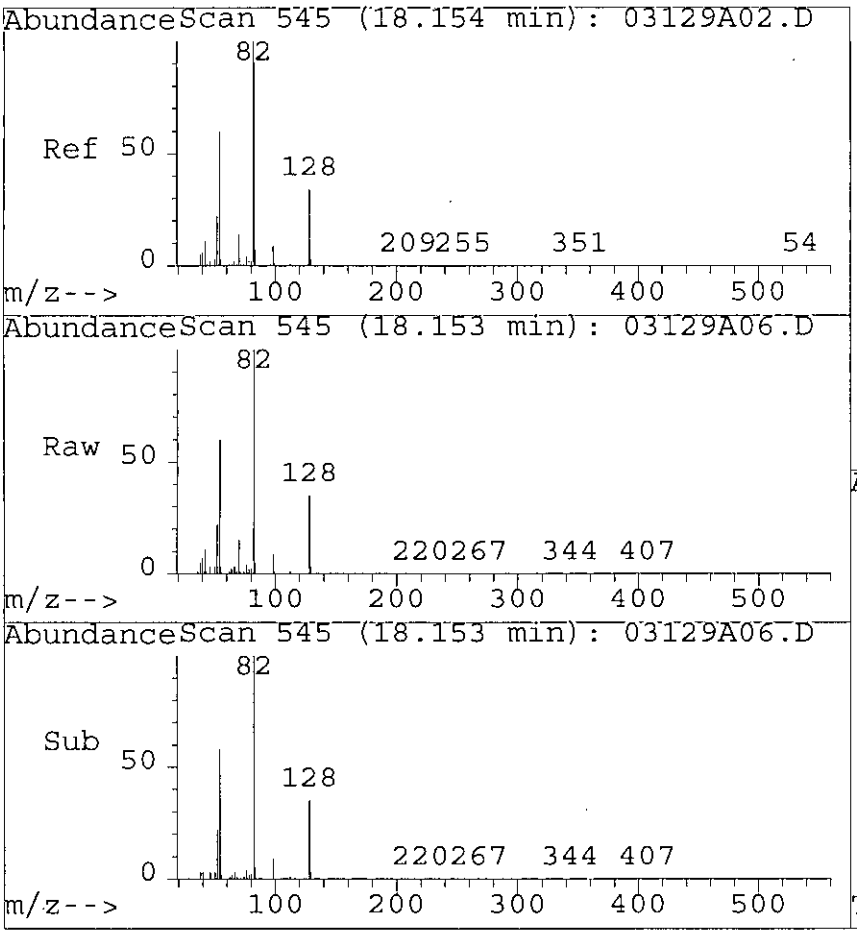


#19
NAPHTHALENE-D8
Concen: 40.00 ug/ml
RT: 20.46 min Scan# 710
Delta R.T. -0.00 min
Lab File: 03129a06.d
Acq: 12 Mar 99 2:56 pm

Tgt Ion:136 Resp: 117887

Ion	Ratio	Lower	Upper
136	100		
68	11.4	6.0	8.9#
0	0.0	0.0	0.0
0	0.0	0.0	0.0

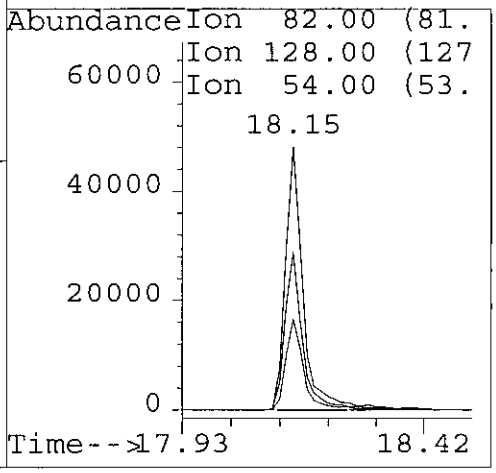


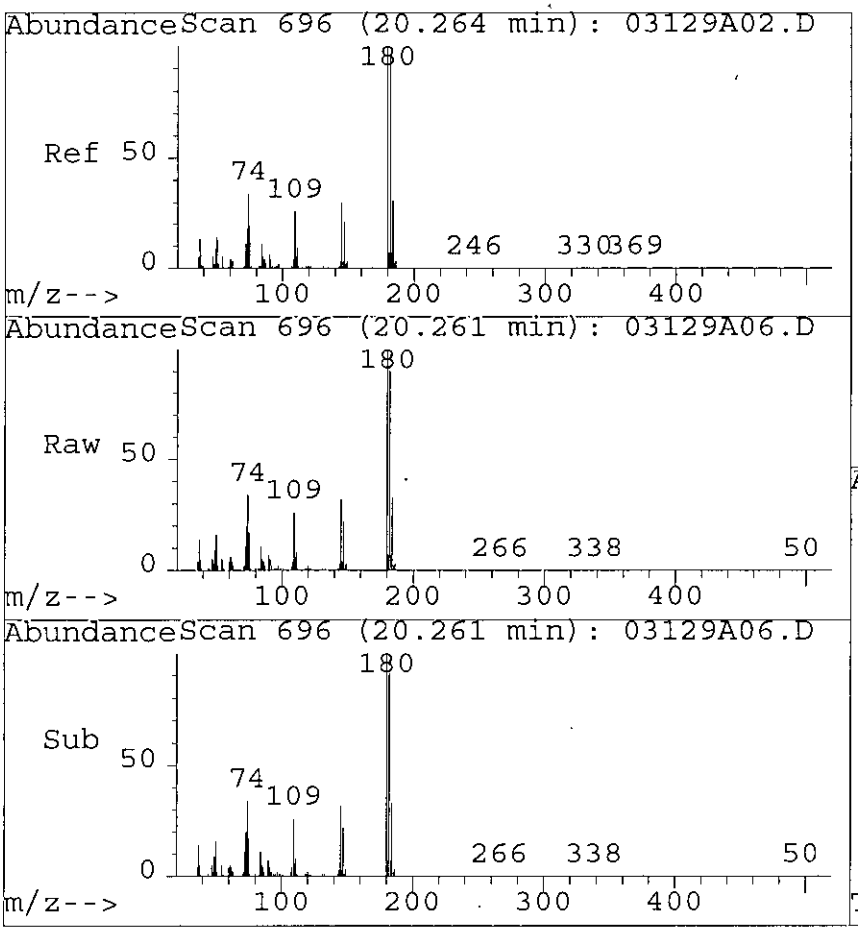


#20
NITROBENZENE-D5
Concen: 70.86 ug/ml
RT: 18.15 min Scan# 545
Delta R.T. -0.00 min
Lab File: 03129a06.d
Acq: 12 Mar 99 2:56 pm

Tgt Ion:82 Resp: 123241

Ion	Ratio	Lower	Upper
82	100		
128	34.5	34.4	51.5
54	60.2	42.9	64.4
0	0.0	0.0	0.0

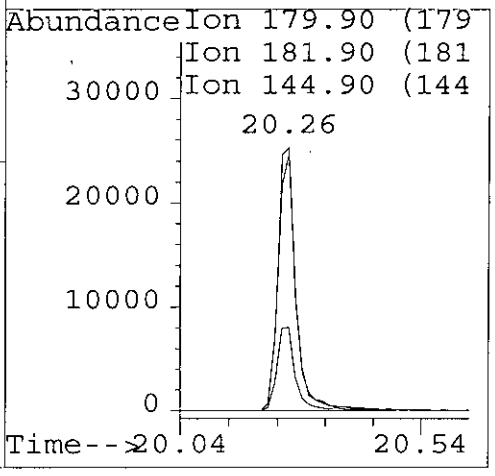


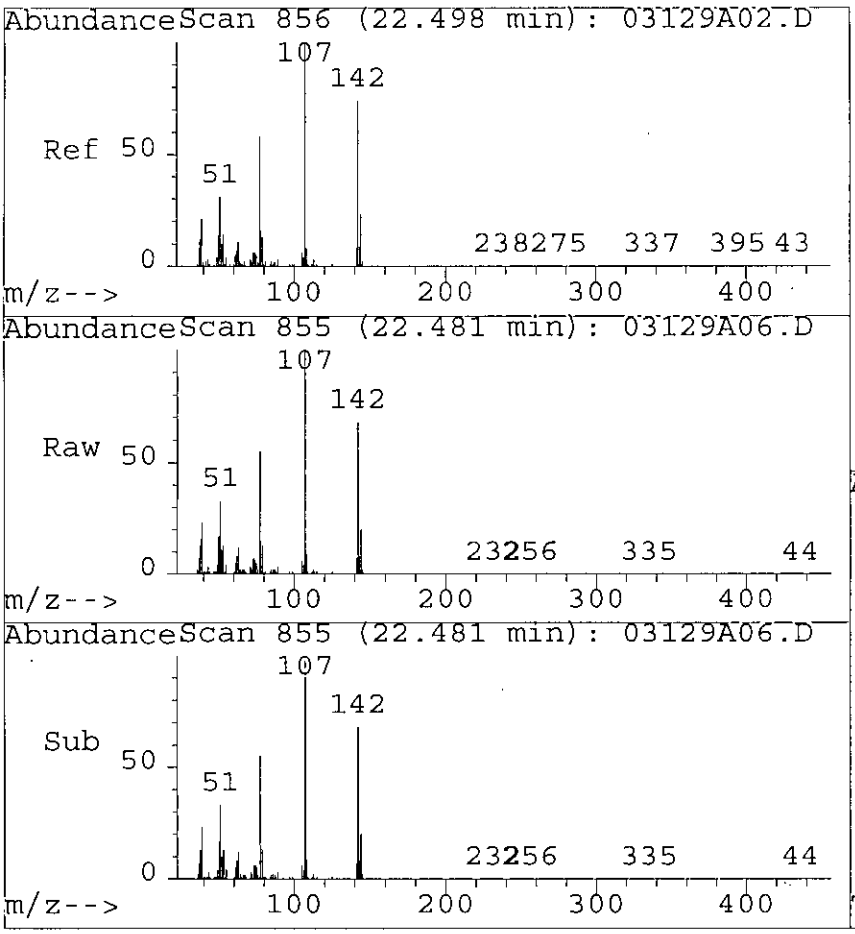


#28
1,2,4-TRICHLOROBENZENE
Concen: 68.80 ug/ml
RT: 20.26 min Scan# 696
Delta R.T. -0.00 min
Lab File: 03129a06.d
Acq: 12 Mar 99 2:56 pm

Tgt Ion:179.9 Resp: 66339

Ion	Ratio	Lower	Upper
180	100		
182	97.8	78.6	117.9
145	31.9	28.1	42.2
0	0.0	0.0	0.0

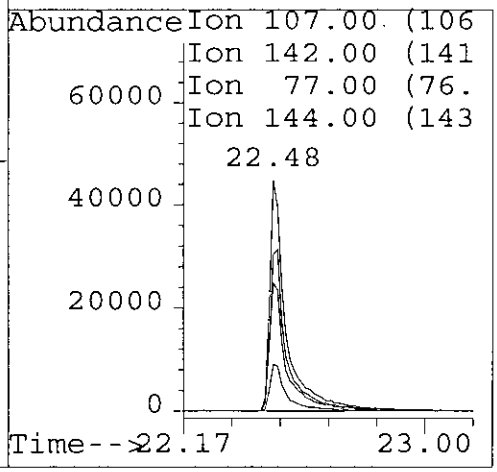


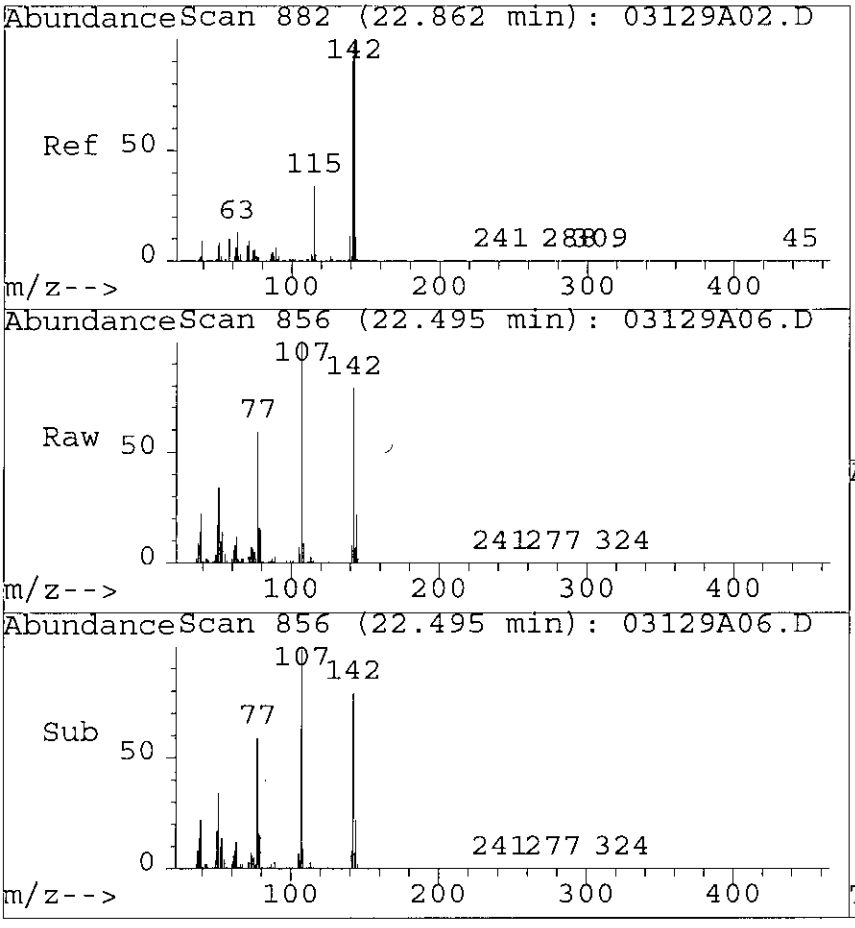


#32
4-CHLORO-3-METHYLPHENOL
Concen: 178.17 ug/ml
RT: 22.48 min Scan# 855
Delta R.T. -0.02 min
Lab File: 03129a06.d
Acq: 12 Mar 99 2:56 pm

Tgt Ion:107 Resp: 177696

Ion	Ratio	Lower	Upper
107	100		
142	68.0	54.1	81.2
77	55.5	42.1	63.2
144	20.3	17.3	26.0

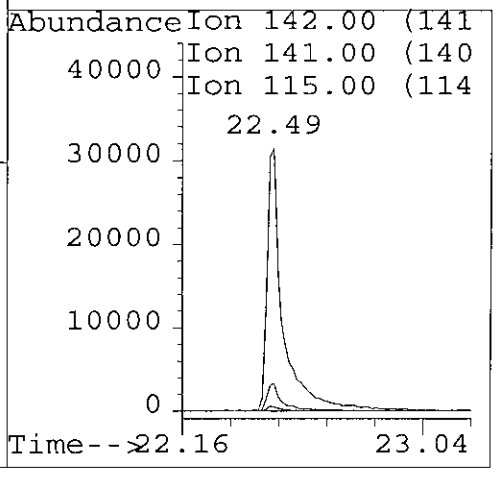


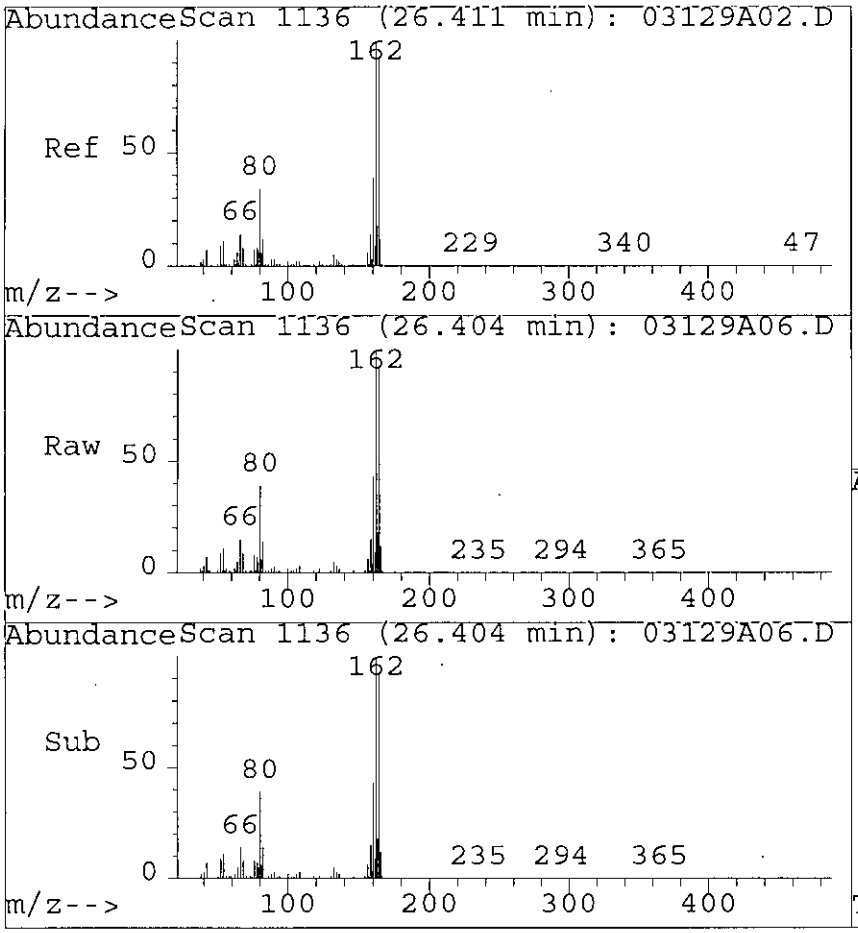


#33
2-METHYLNAPHTHALENE
Concen: 65.15 ug/ml
RT: 22.49 min Scan# 856
Delta R.T. -0.37 min
Lab File: 03129a06.d
Acq: 12 Mar 99 2:56 pm

Tgt Ion:142 Resp: 128068

Ion	Ratio	Lower	Upper
142	100		
141	10.7	80.3	120.4#
115	1.6	28.0	41.9#
0	0.0	0.0	0.0

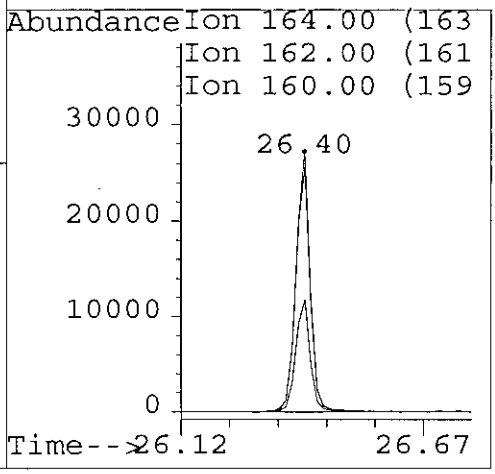


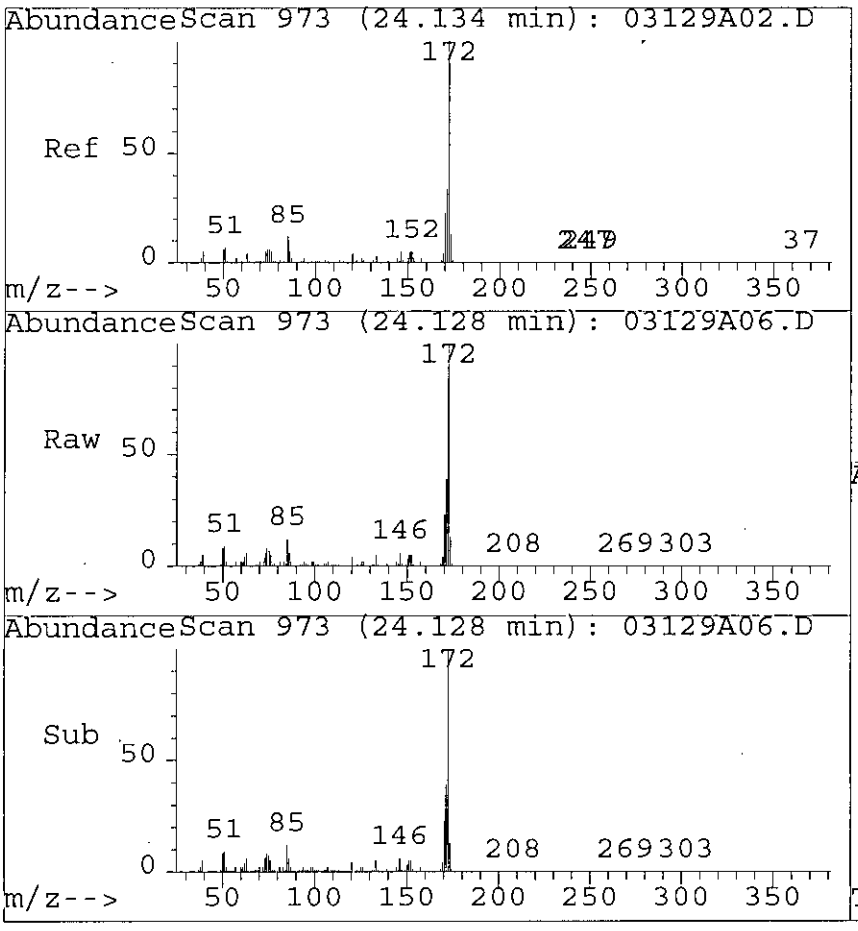


#34
ACENAPHTHENE-D10
Concen: 40.00 ug/ml
RT: 26.40 min Scan# 1136
Delta R.T. -0.01 min
Lab File: 03129a06.d
Acq: 12 Mar 99 2:56 pm

Tgt Ion:164 Resp: 57902

Ion	Ratio	Lower	Upper
164	100		
162	107.5	82.3	123.4
160	46.1	33.6	50.3
0	0.0	0.0	0.0

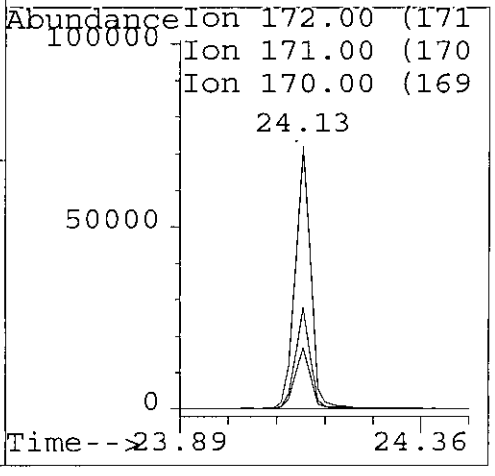


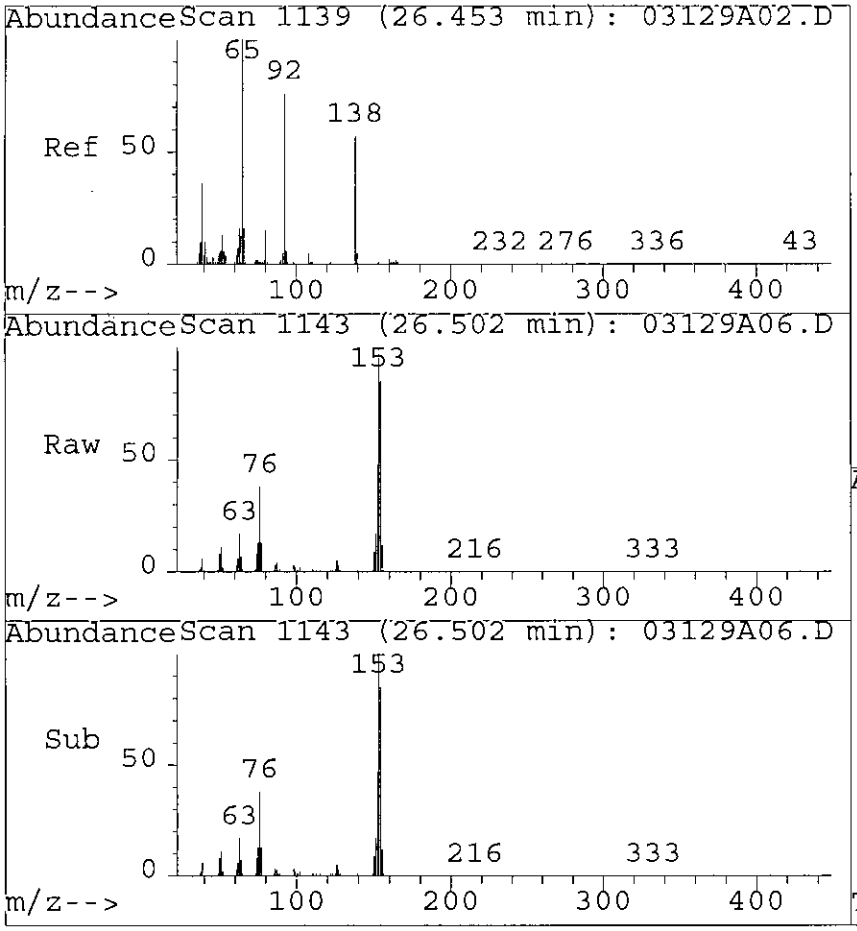


#38
FLUOROBIPHENYL
Concen: 77.39 ug/ml
RT: 24.13 min Scan# 973
Delta R.T. -0.01 min
Lab File: 03129a06.d
Acq: 12 Mar 99 2:56 pm

Tgt Ion:172 Resp: 150128

Ion	Ratio	Lower	Upper
172	100		
171	38.6	30.5	45.8
170	23.5	18.4	27.5
0	0.0	0.0	0.0

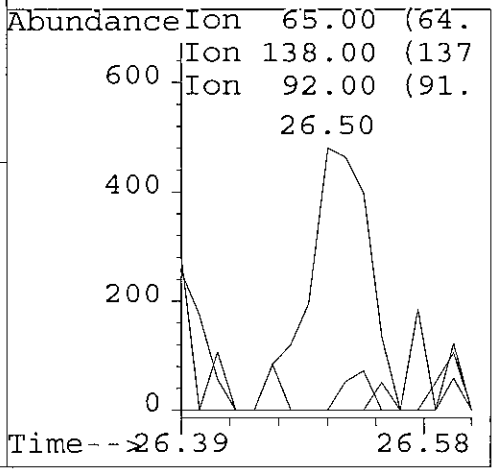


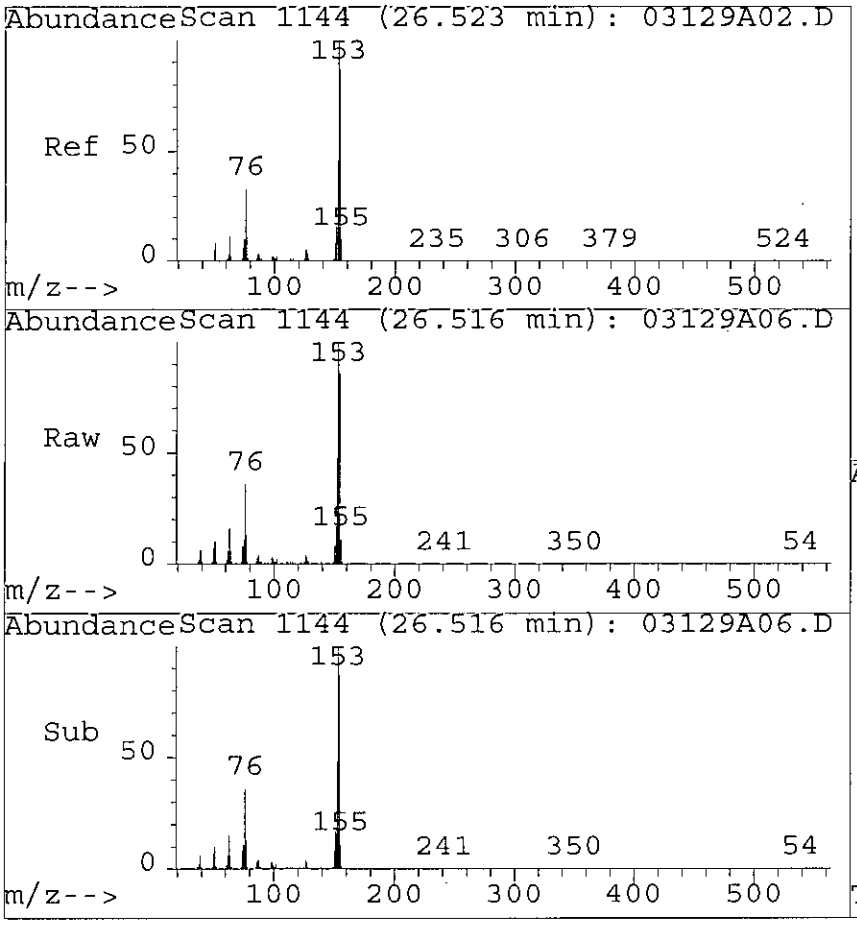


#44
3-NITROANILINE
Concen: 1.56 ug/ml
RT: 26.50 min Scan# 1143
Delta R.T. 0.05 min
Lab File: 03129a06.d
Acq: 12 Mar 99 2:56 pm

Tgt Ion:65 Resp: 1577

Ion	Ratio	Lower	Upper
65	100		
138	0.0	47.5	71.2#
92	0.0	61.6	92.3#
0	0.0	0.0	0.0

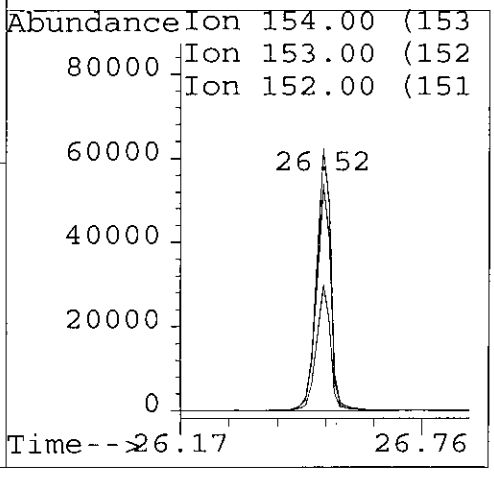


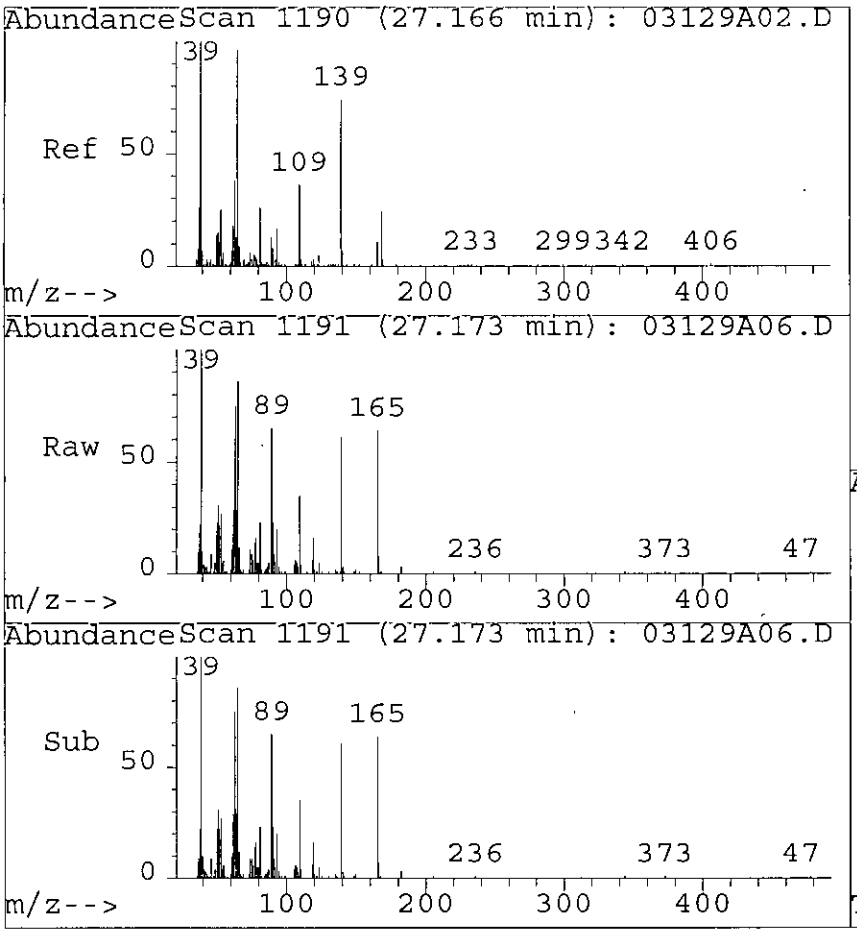


#45
ACENAPHTHENE
Concen: 79.83 ug/ml
RT: 26.52 min Scan# 1144
Delta R.T. -0.01 min
Lab File: 03129a06.d
Acq: 12 Mar 99 2:56 pm

Tgt Ion:154 Resp: 129864

Ion	Ratio	Lower	Upper
154	100		
153	115.7	97.8	146.7
152	55.4	46.8	70.1
0	0.0	0.0	0.0

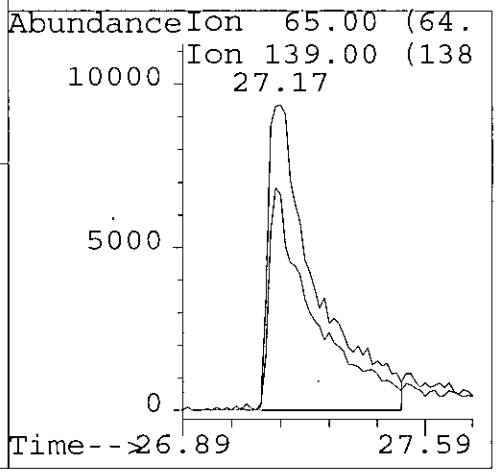


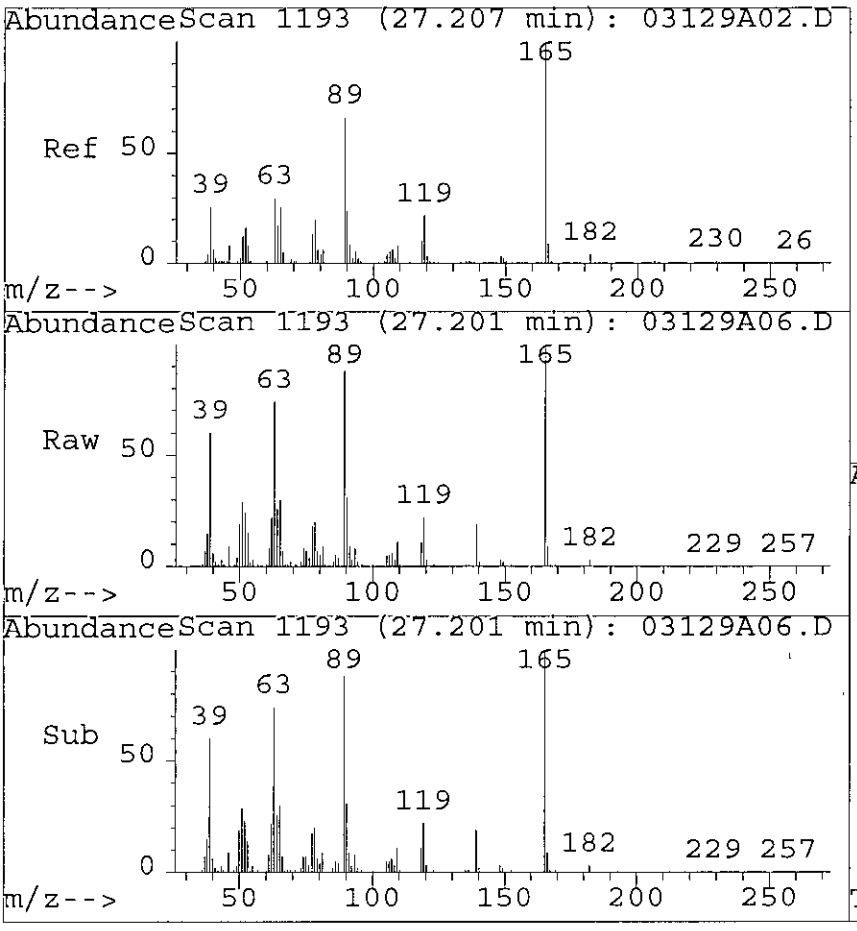


#48
4-NITROPHENOL
Concen: 220.33 ug/ml
RT: 27.17 min Scan# 1191
Delta R.T. 0.01 min
Lab File: 03129a06.d
Acq: 12 Mar 99 2:56 pm

Tgt Ion:65 Resp: 89967

Ion	Ratio	Lower	Upper
65	100		
139	70.9	92.9	139.4#
0	0.0	0.0	0.0
0	0.0	0.0	0.0

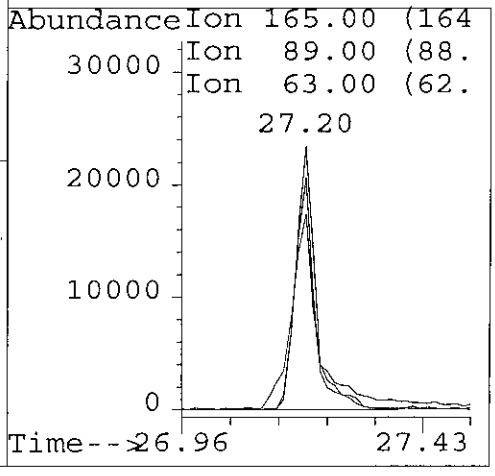


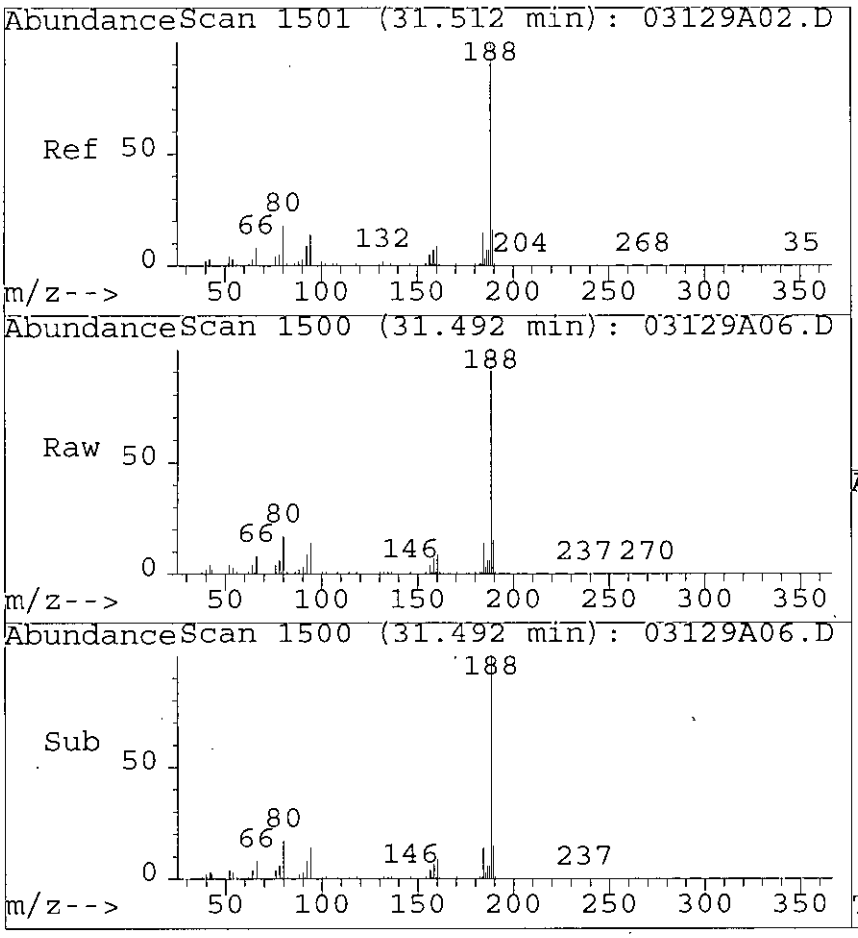


#49
2,4-DINITROTOLUENE
Concen: 89.21 ug/ml
RT: 27.20 min Scan# 1193
Delta R.T. -0.01 min
Lab File: 03129a06.d
Acq: 12 Mar 99 2:56 pm

Tgt Ion:165 Resp: 63111

Ion	Ratio	Lower	Upper
165	100		
89	88.3	66.3	99.4
63	74.3	42.4	63.5#
0	0.0	0.0	0.0

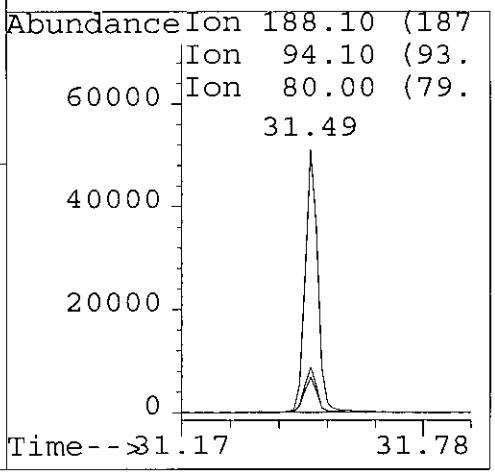


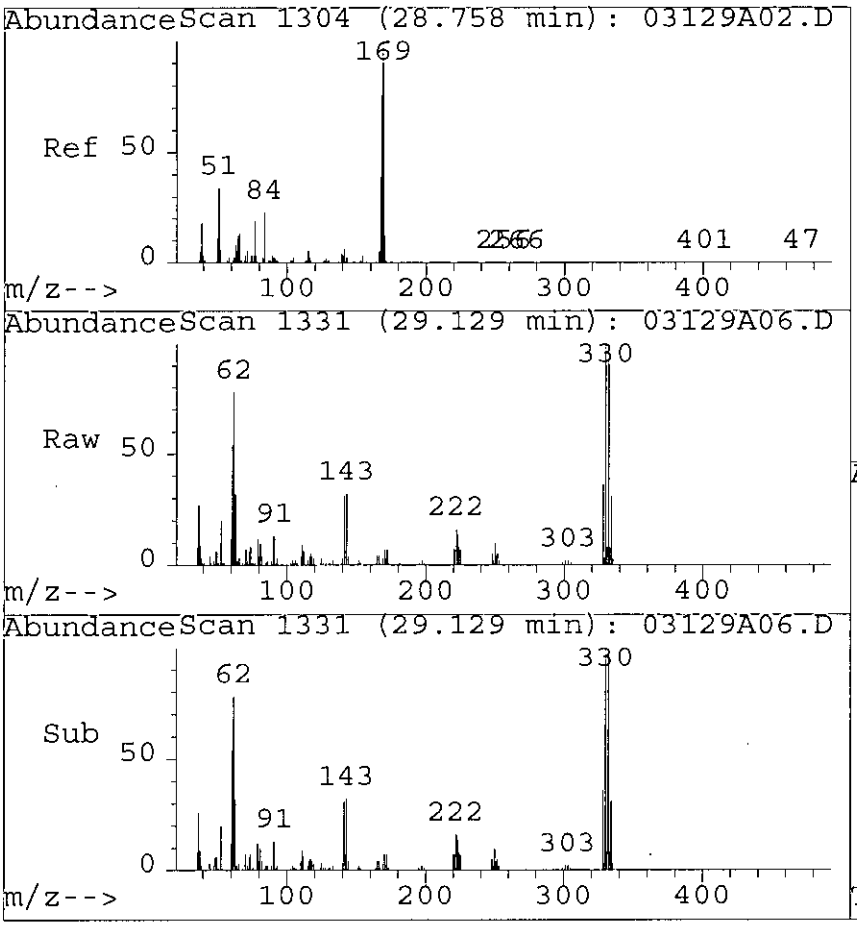


#54
PHENANTHRENE-D10
Concen: 40.00 ug/ml
RT: 31.49 min Scan# 1500
Delta R.T. -0.02 min
Lab File: 03129a06.d
Acq: 12 Mar 99 2:56 pm

Tgt Ion:188.1 Resp: 113097

Ion	Ratio	Lower	Upper
188	100		
94	13.5	11.6	17.3
80	17.1	13.7	20.5
0	0.0	0.0	0.0

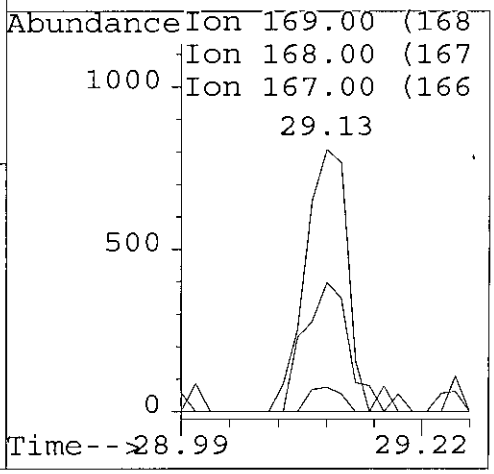


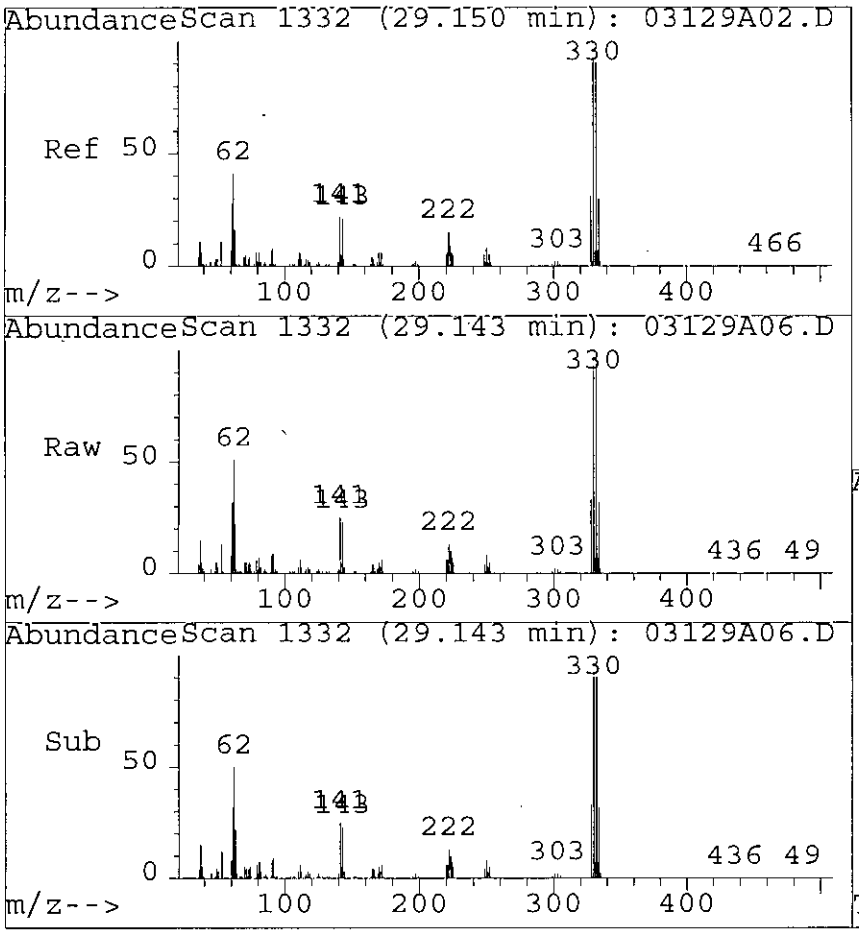


#56
N-NITROSODIPHENYLAMINE
Concen: 1.80 ug/ml
RT: 29.13 min Scan# 1331
Delta R.T. 0.37 min
Lab File: 03129a06.d
Acq: 12 Mar 99 2:56 pm

Tgt Ion:169 Resp: 2362

Ion	Ratio	Lower	Upper
169	100		
168	9.4	60.5	90.7#
167	49.3	31.4	47.1#
0	0.0	0.0	0.0

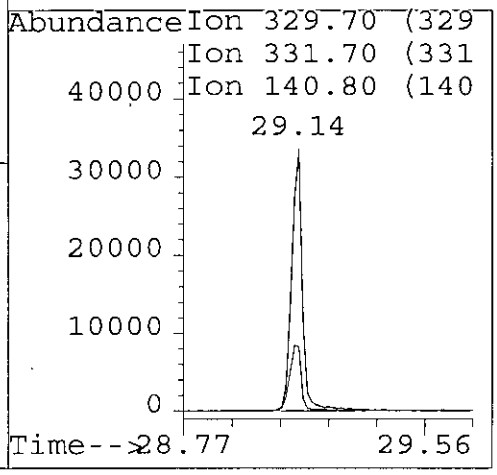


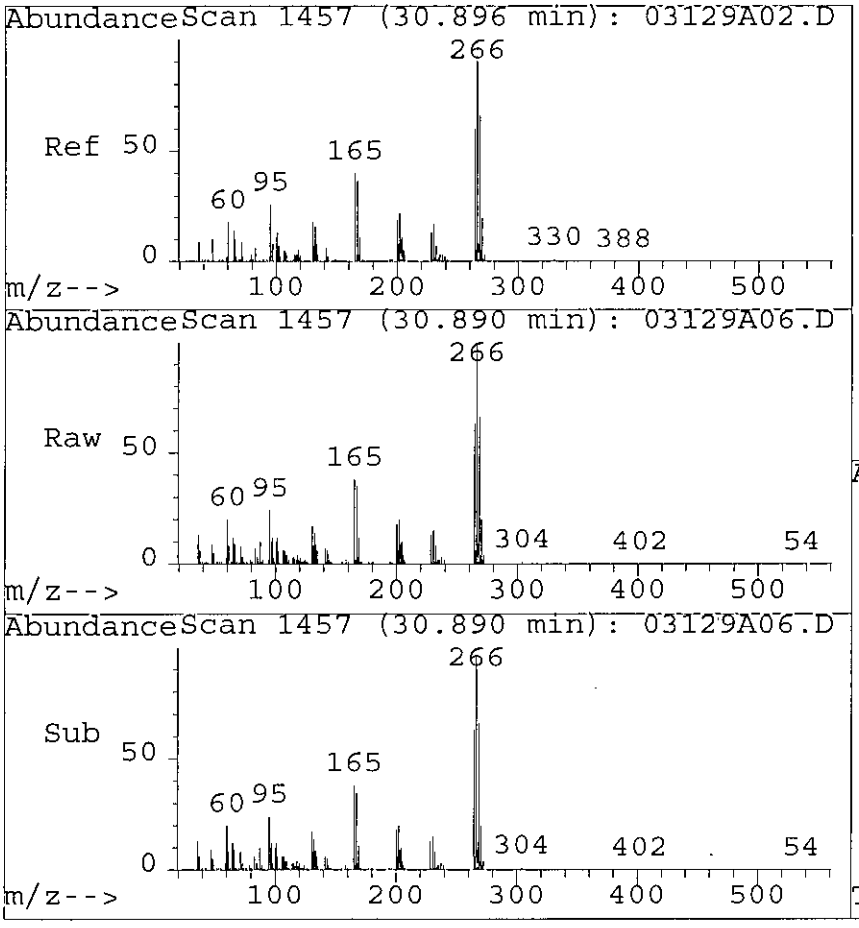


#58
2,4,6-TRIBROMOPHENOL
Concen: 186.67 ug/ml
RT: 29.14 min Scan# 1332
Delta R.T. -0.01 min
Lab File: 03129a06.d
Acq: 12 Mar 99 2:56 pm

Tgt Ion:329.7 Resp: 84452

Ion	Ratio	Lower	Upper
330	100		
332	97.6	69.7	104.5
141	24.5	30.9	46.4#
0	0.0	0.0	0.0

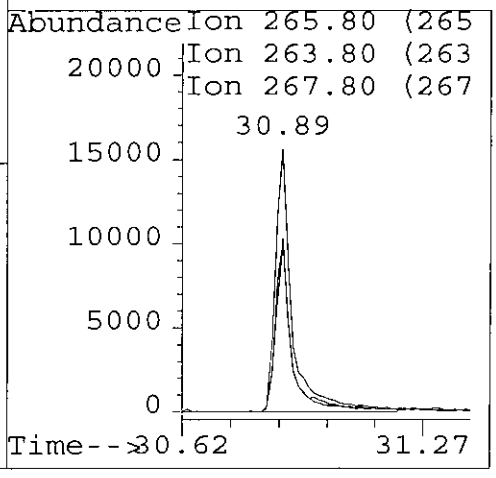


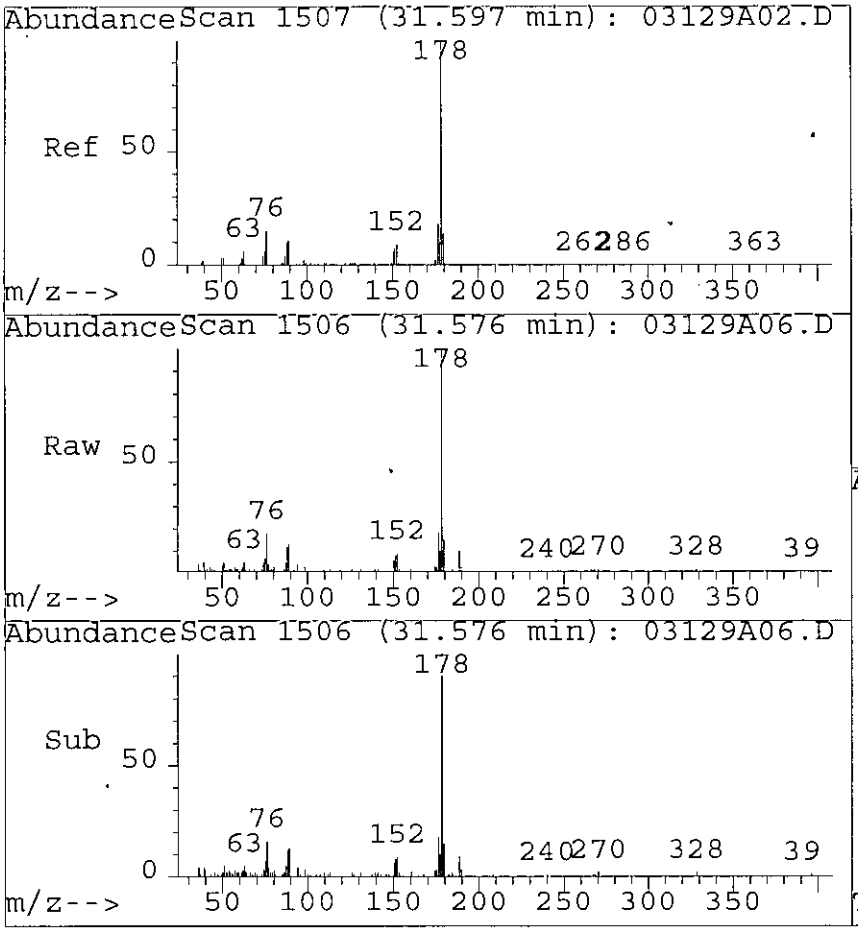


#63
PENTACHLOROPHENOL
Concen: 124.56 ug/ml
RT: 30.89 min Scan# 1457
Delta R.T. -0.01 min
Lab File: 03129a06.d
Acq: 12 Mar 99 2:56 pm

Tgt Ion:265.8 Resp: 49455

Ion	Ratio	Lower	Upper
266	100		
264	63.4	55.2	82.7
268	66.0	49.1	73.6
0	0.0	0.0	0.0

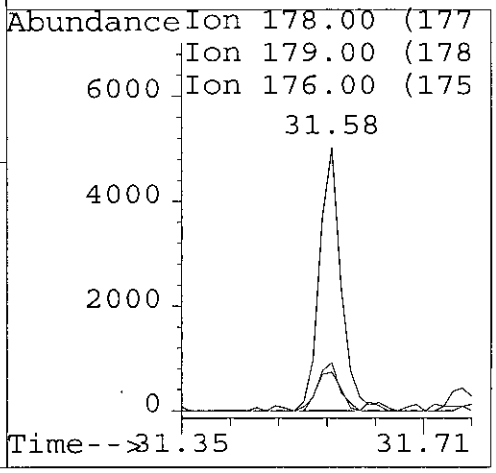


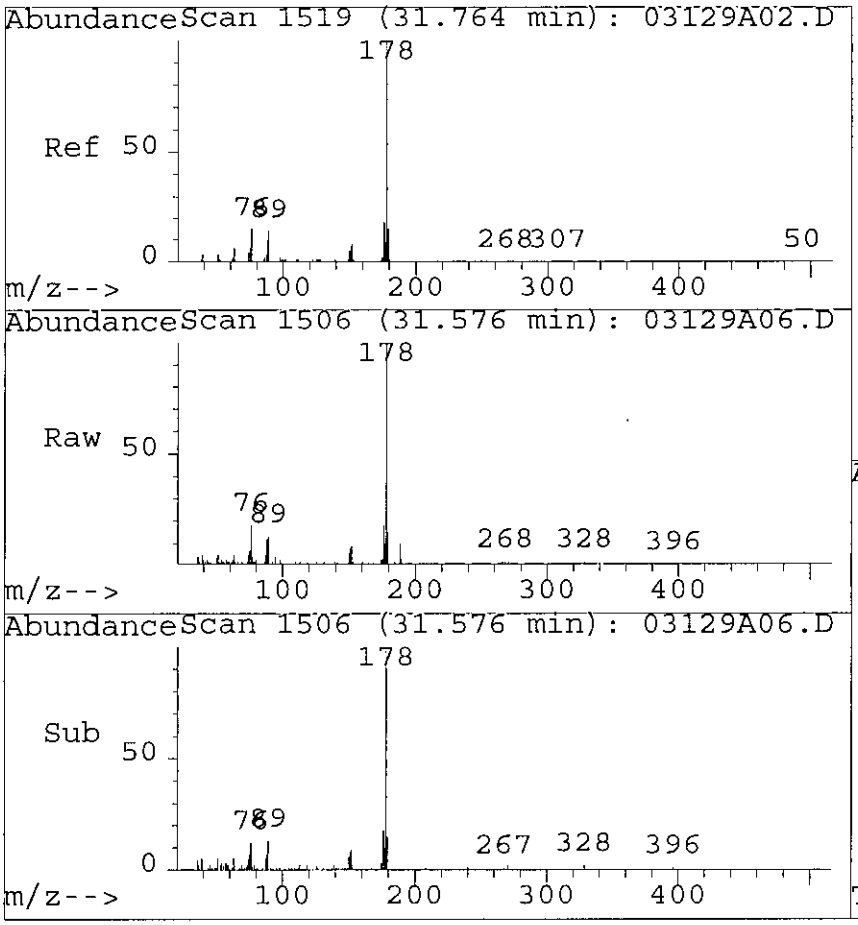


#65
PHENANTHRENE
Concen: 3.90 ug/ml
RT: 31.58 min Scan# 1506
Delta R.T. -0.02 min
Lab File: 03129a06.d
Acq: 12 Mar 99 2:56 pm

Tgt Ion:178 Resp: 11526

Ion	Ratio	Lower	Upper
178	100		
179	14.8	11.5	17.2
176	18.3	15.3	23.0
0	0.0	0.0	0.0

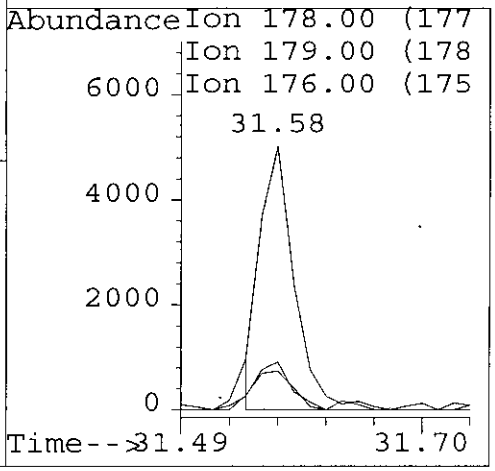


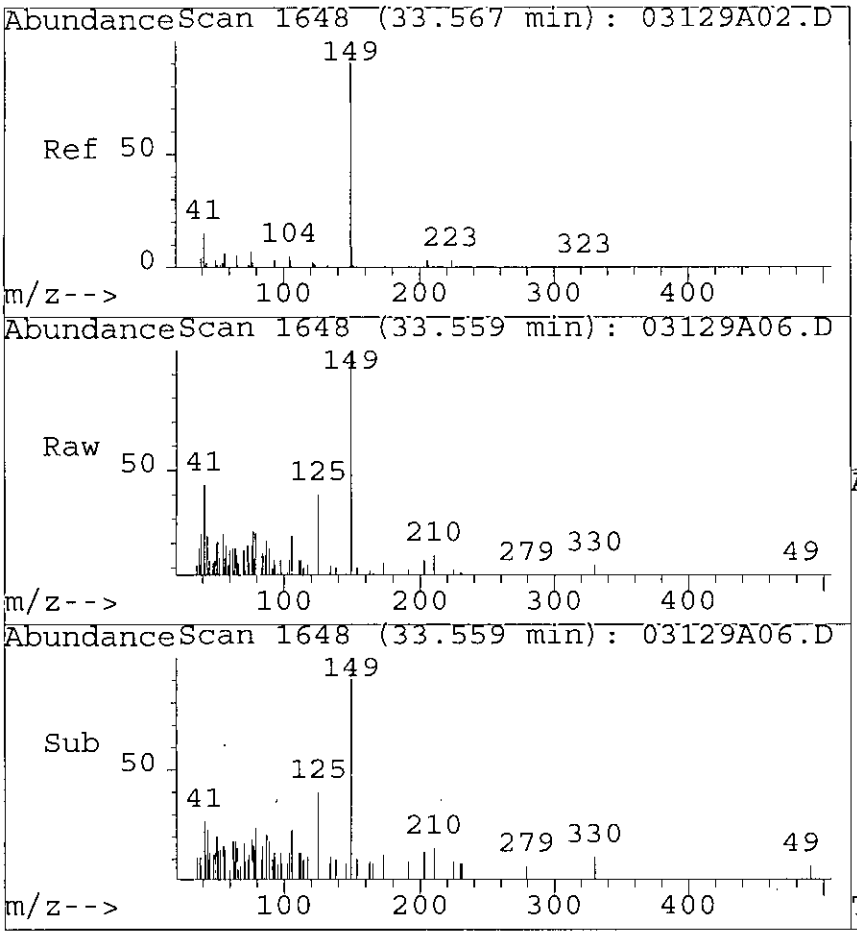


#66
ANTHRACENE
Concen: 3.59 ug/ml
RT: 31.58 min Scan# 1506
Delta R.T. -0.19 min
Lab File: 03129a06.d
Acq: 12 Mar 99 2:56 pm

Tgt Ion:178 Resp: 10430

Ion	Ratio	Lower	Upper
178	100		
179	14.8	12.3	18.4
176	18.3	14.6	21.9
0	0.0	0.0	0.0

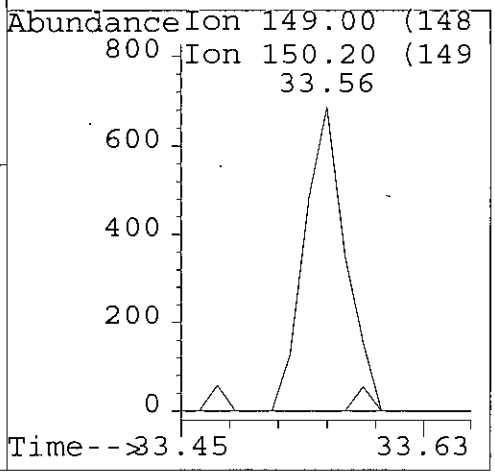


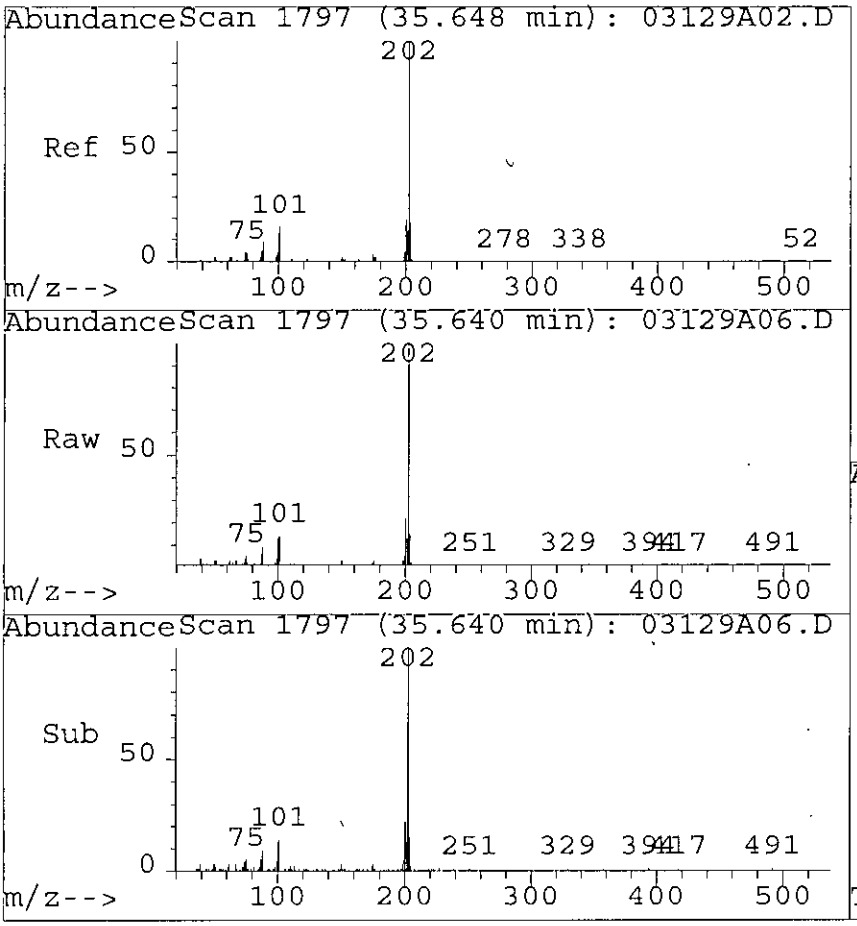


#70
DIBUTYLPHTHALATE
Concen: 0.36 ug/ml
RT: 33.56 min Scan# 1648
Delta R.T. -0.01 min
Lab File: 03129a06.d
Acq: 12 Mar 99 2:56 pm

Tgt Ion:149 Resp: 1513

Ion	Ratio	Lower	Upper
149	100		
150	0.0	7.1	10.6#
0	0.0	0.0	0.0
0	0.0	0.0	0.0

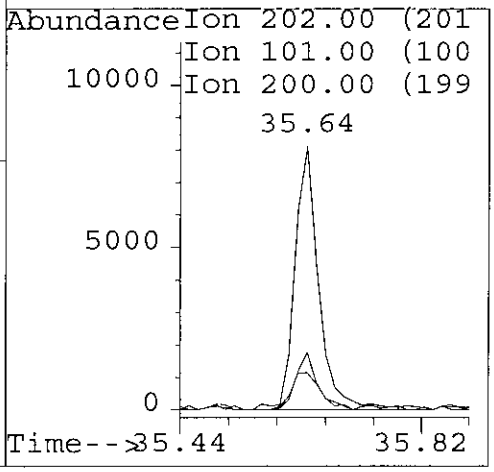


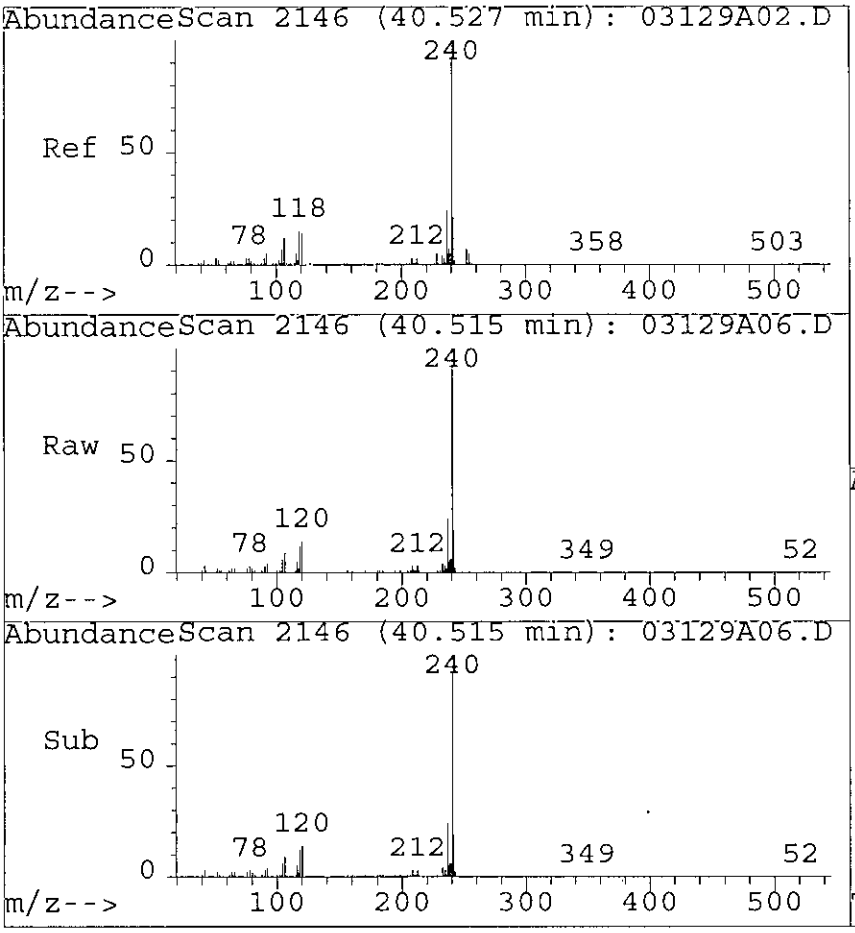


#73
FLUORANTHENE
Concen: 6.49 ug/ml
RT: 35.64 min Scan# 1797
Delta R.T. -0.01 min
Lab File: 03129a06.d
Acq: 12 Mar 99 2:56 pm

Tgt Ion:202 Resp: 20574

Ion	Ratio	Lower	Upper
202	100		
101	14.1	15.4	23.1#
200	21.9	16.2	24.3
0	0.0	0.0	0.0

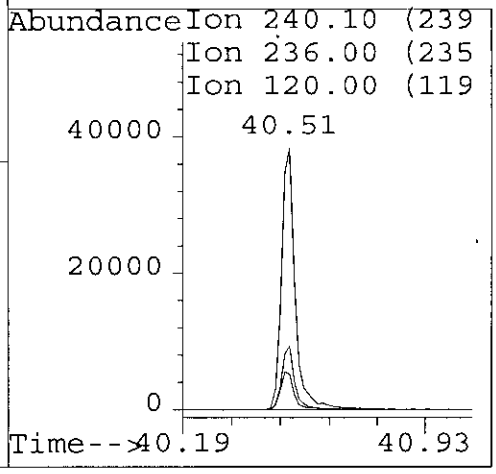


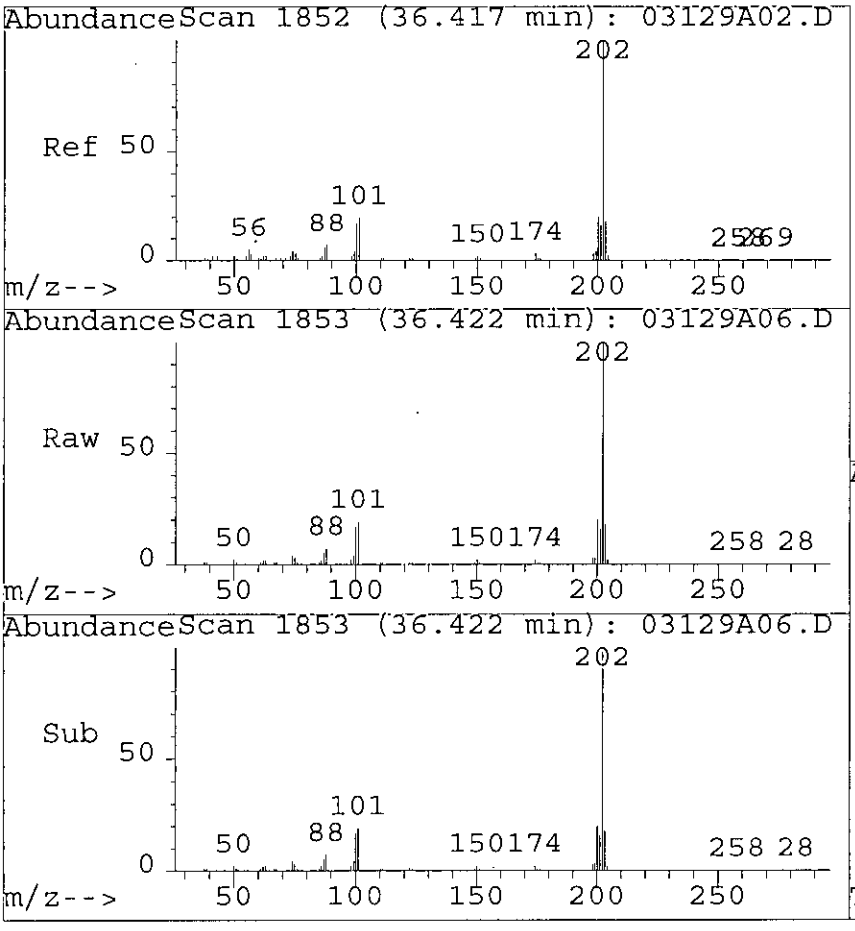


#74
CHRYSENE-D12
Concen: 40.00 ug/ml
RT: 40.51 min Scan# 2146
Delta R.T. -0.01 min
Lab File: 03129a06.d
Acq: 12 Mar 99 2:56 pm

Tgt Ion:240.1 Resp: 108263

Ion	Ratio	Lower	Upper
240	100		
236	24.3	20.6	30.9
120	13.6	17.5	26.2#
0	0.0	0.0	0.0

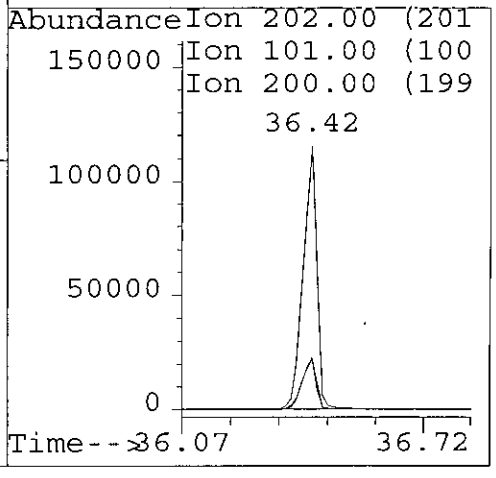


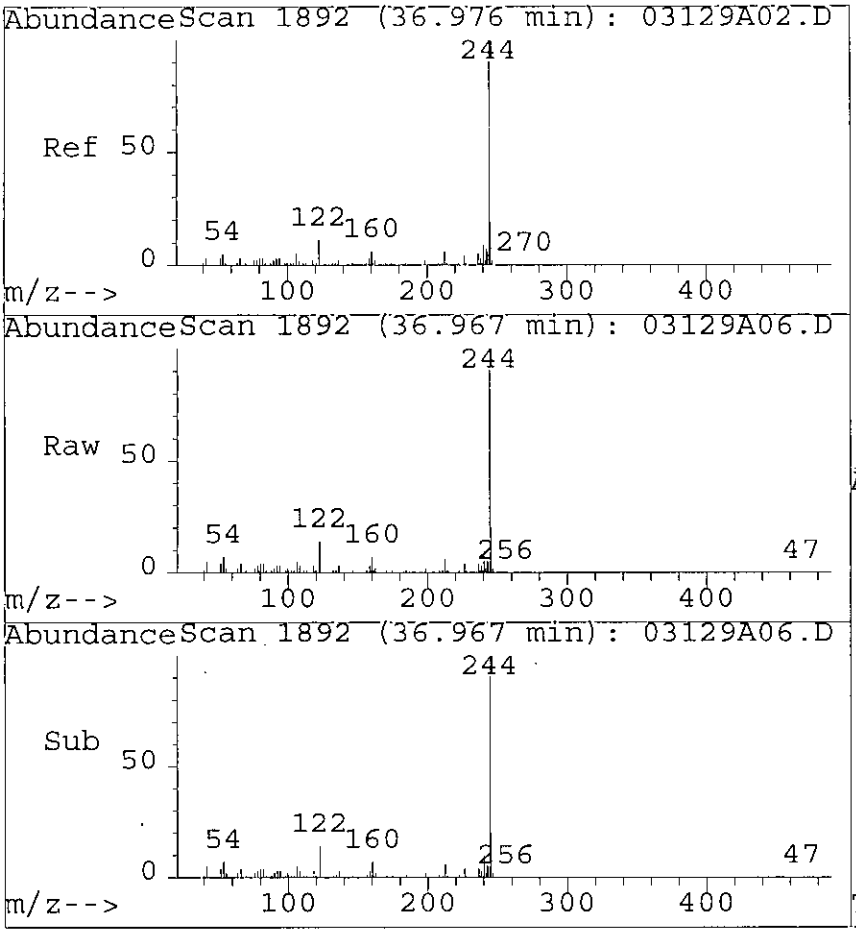


#75
PYRENE
Concen: 91.20 ug/ml
RT: 36.42 min Scan# 1853
Delta R.T. 0.01 min
Lab File: 03129a06.d
Acq: 12 Mar 99 2:56 pm

Tgt Ion:202 Resp: 295857

Ion	Ratio	Lower	Upper
202	100		
101	19.5	18.5	27.8
200	19.9	16.4	24.5
0	0.0	0.0	0.0

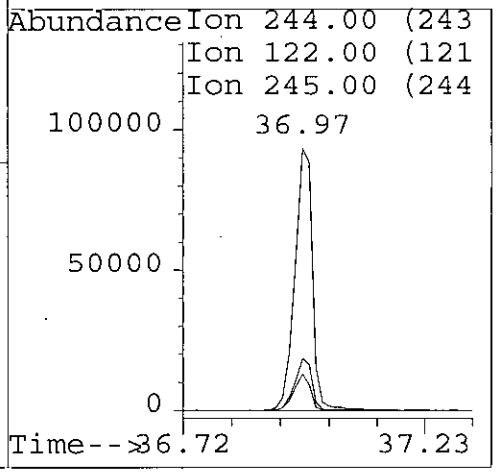


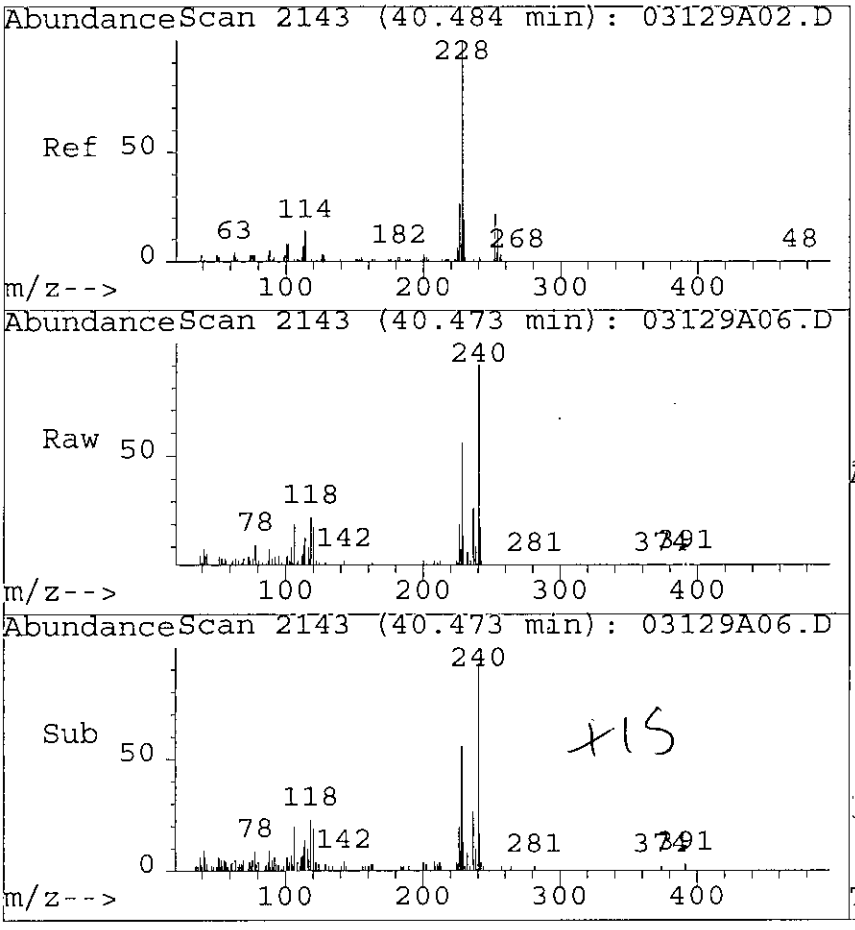


#78
P-TERPHENYL-D14
Concen: 90.08 ug/ml
RT: 36.97 min Scan# 1892
Delta R.T. -0.01 min
Lab File: 03129a06.d
Acq: 12 Mar 99 2:56 pm

Tgt Ion:244 Resp: 241413

Ion	Ratio	Lower	Upper
244	100		
122	13.8	15.3	23.0#
245	19.7	15.6	23.3
0	0.0	0.0	0.0

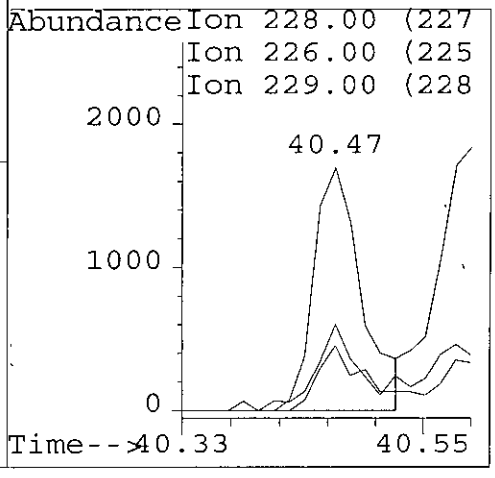


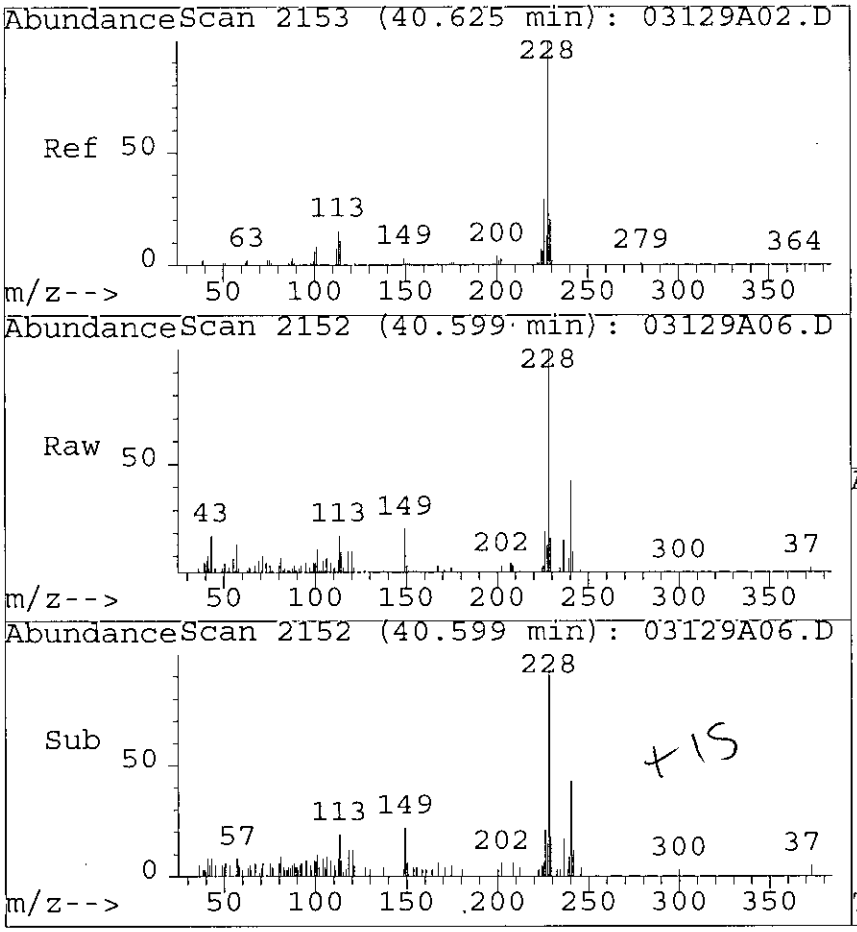


#89
BENZ(A)ANTHRACENE
Concen: 1.86 ug/ml
RT: 40.47 min Scan# 2143
Delta R.T. -0.01 min
Lab File: 03129a06.d
Acq: 12 Mar 99 2:56 pm

Tgt Ion:228 Resp: 5265

Ion	Ratio	Lower	Upper
228	100		
226	35.6	22.6	33.9#
229	26.8	16.8	25.1#
0	0.0	0.0	0.0

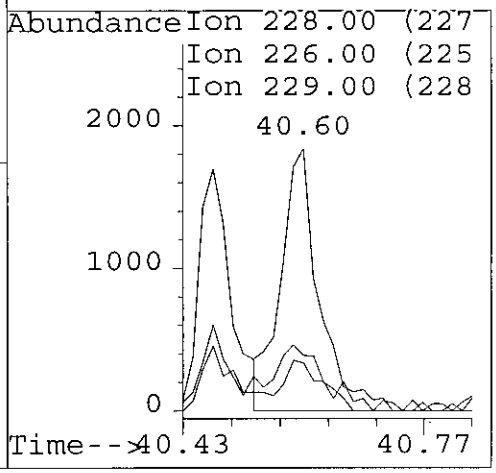


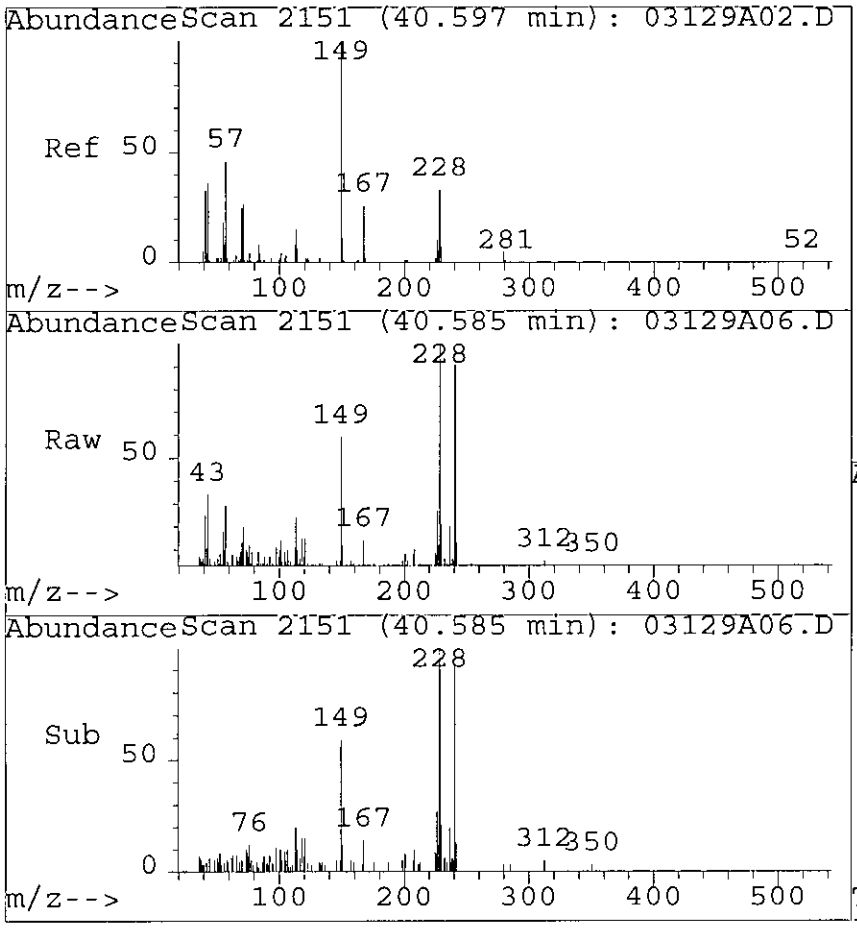


#90
CHRYSENE
Concen: 2.57 ug/ml
RT: 40.60 min Scan# 2152
Delta R.T. -0.03 min
Lab File: 03129a06.d
Acq: 12 Mar 99 2:56 pm

Tgt Ion:228 Resp: 6853

Ion	Ratio	Lower	Upper
228	100		
226	21.2	22.1	33.1#
229	18.3	16.2	24.3
0	0.0	0.0	0.0

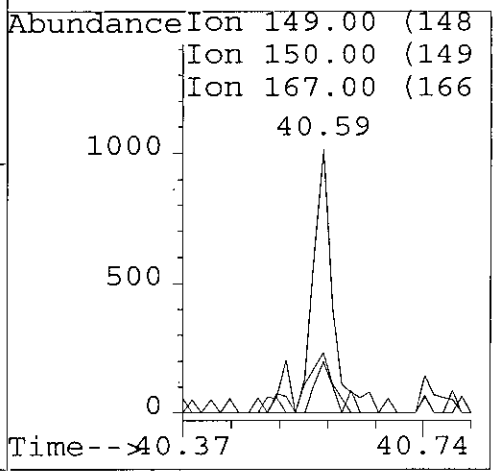


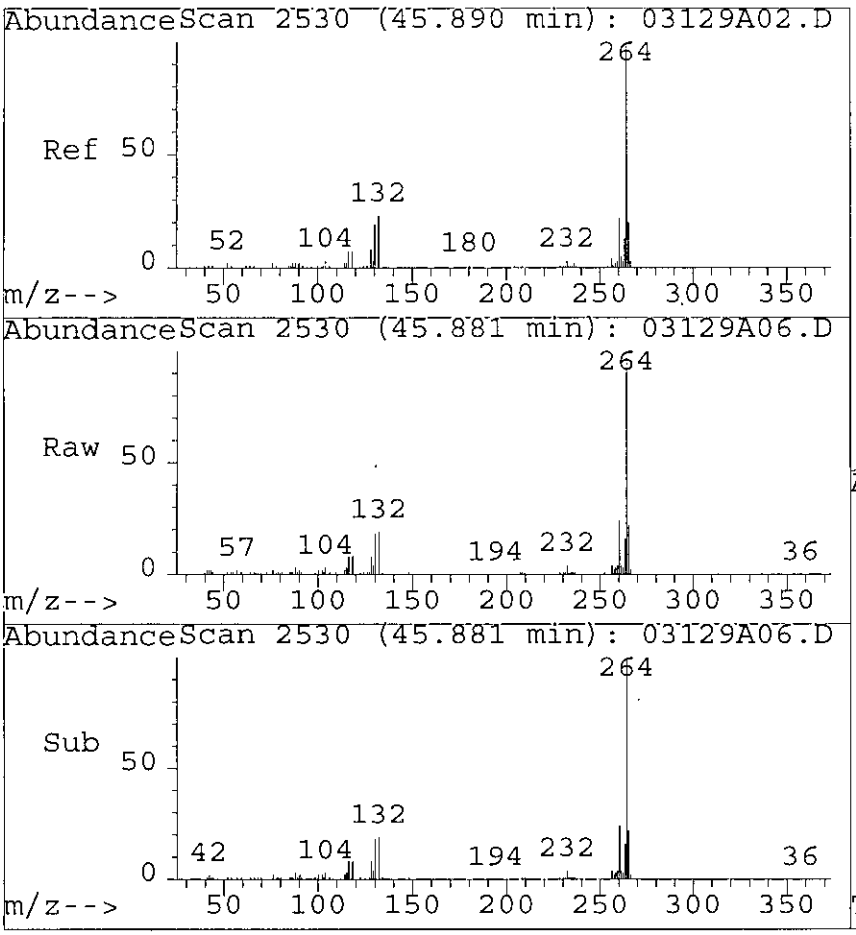


#91
BIS(2-ETHYLHEXYL)PHTHALATE
Concen: 0.92 ug/ml
RT: 40.59 min Scan# 2151
Delta R.T. -0.01 min
Lab File: 03129a06.d
Acq: 12 Mar 99 2:56 pm

Tgt Ion:149 Resp: 2406

Ion	Ratio	Lower	Upper
149	100		
150	19.5	9.5	14.2#
167	23.1	20.5	30.7
0	0.0	0.0	0.0

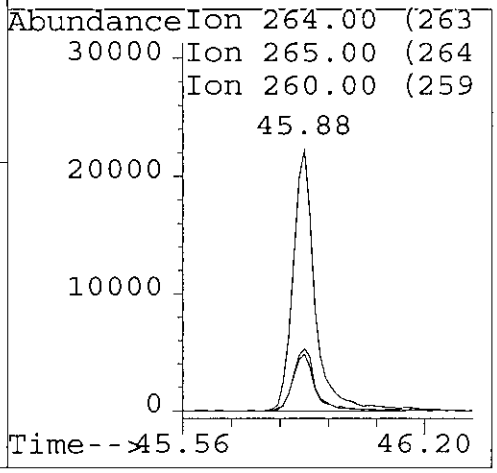


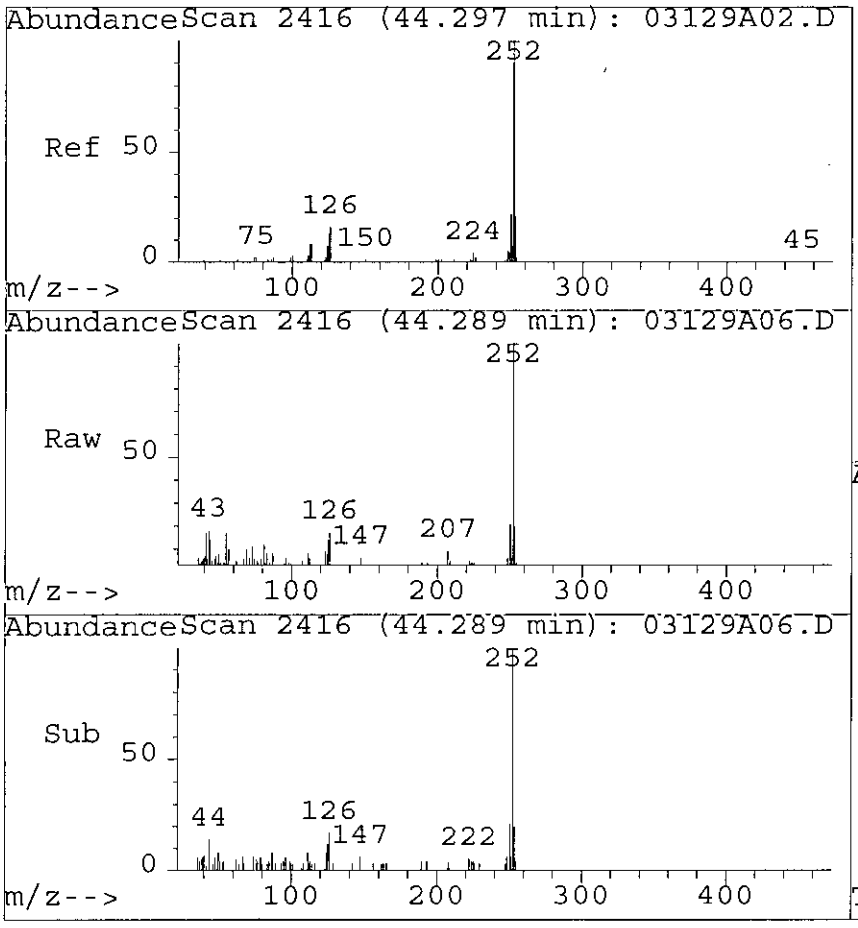


#92
PERYLENE-D12
Concen: 40.00 ug/ml
RT: 45.88 min Scan# 2530
Delta R.T. -0.01 min
Lab File: 03129a06.d
Acq: 12 Mar 99 2:56 pm

Tgt Ion:264 Resp: 89761

Ion	Ratio	Lower	Upper
264	100		
265	21.7	17.1	25.6
260	23.8	19.3	28.9
0	0.0	0.0	0.0

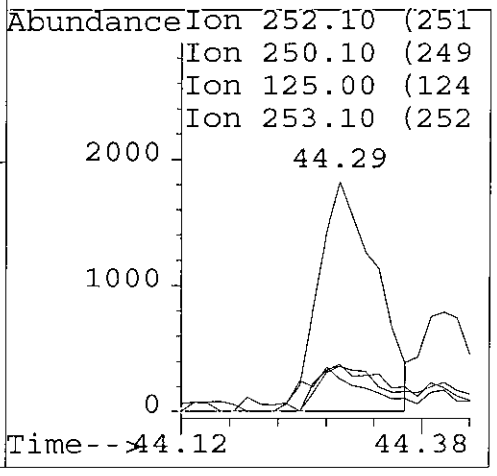


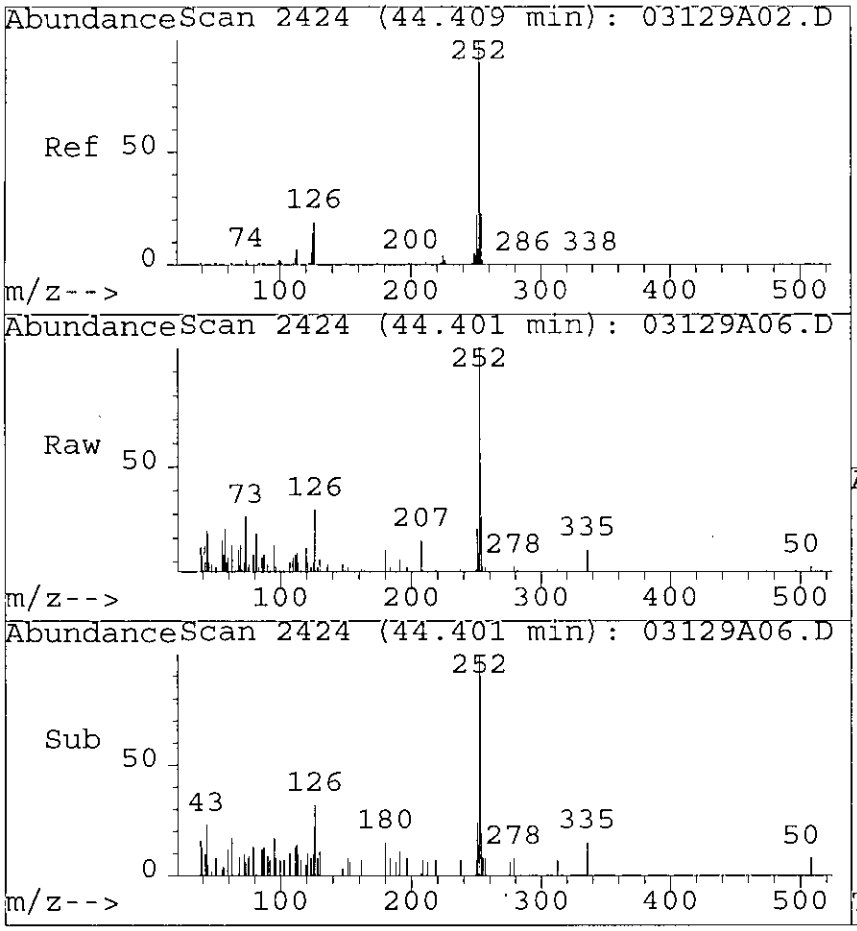


#94
BENZO(B)FLUORANTHENE ✓
Concen: 2.68 ug/ml
RT: 44.29 min Scan# 2416
Delta R.T. -0.01 min
Lab File: 03129a06.d
Acq: 12 Mar 99 2:56 pm

Tgt Ion:252.1 Resp: 7867

Ion	Ratio	Lower	Upper
252	100		
250	20.7	20.5	30.8
125	14.5	18.1	27.2#
253	19.8	17.2	25.7

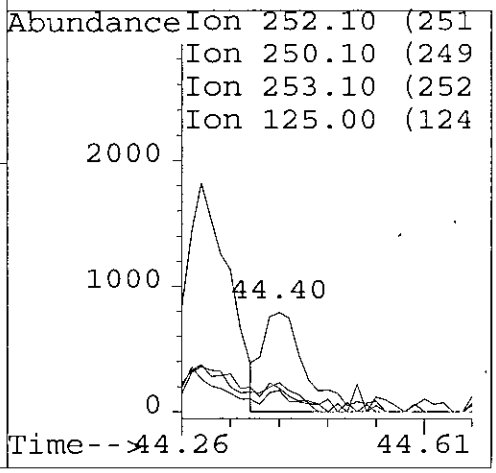


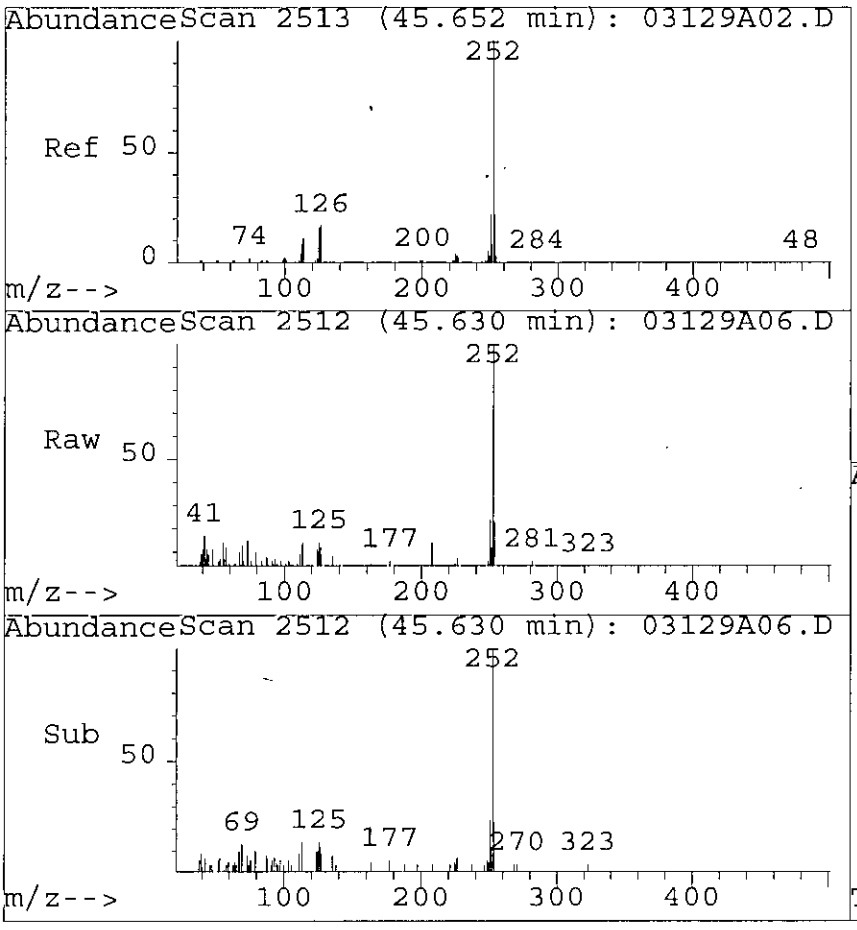


#95
BENZO(K)FLUORANTHENE
Concen: 1.15 ug/ml
RT: 44.40 min Scan# 2424
Delta R.T. -0.01 min
Lab File: 03129a06.d
Acq: 12 Mar 99 2:56 pm

Tgt Ion:252.1 Resp: 3541

Ion	Ratio	Lower	Upper
252	100		
250	23.9	18.5	27.7
253	29.5	17.2	25.7#
125	21.6	18.2	27.3

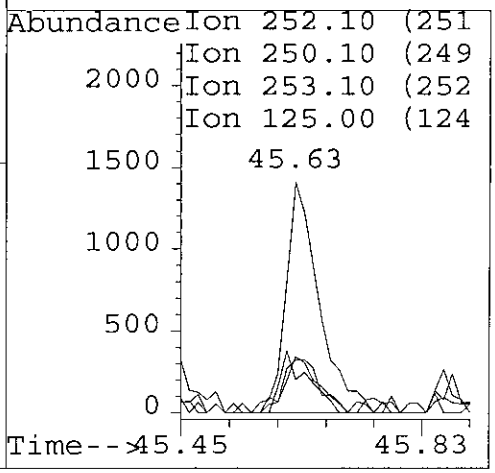


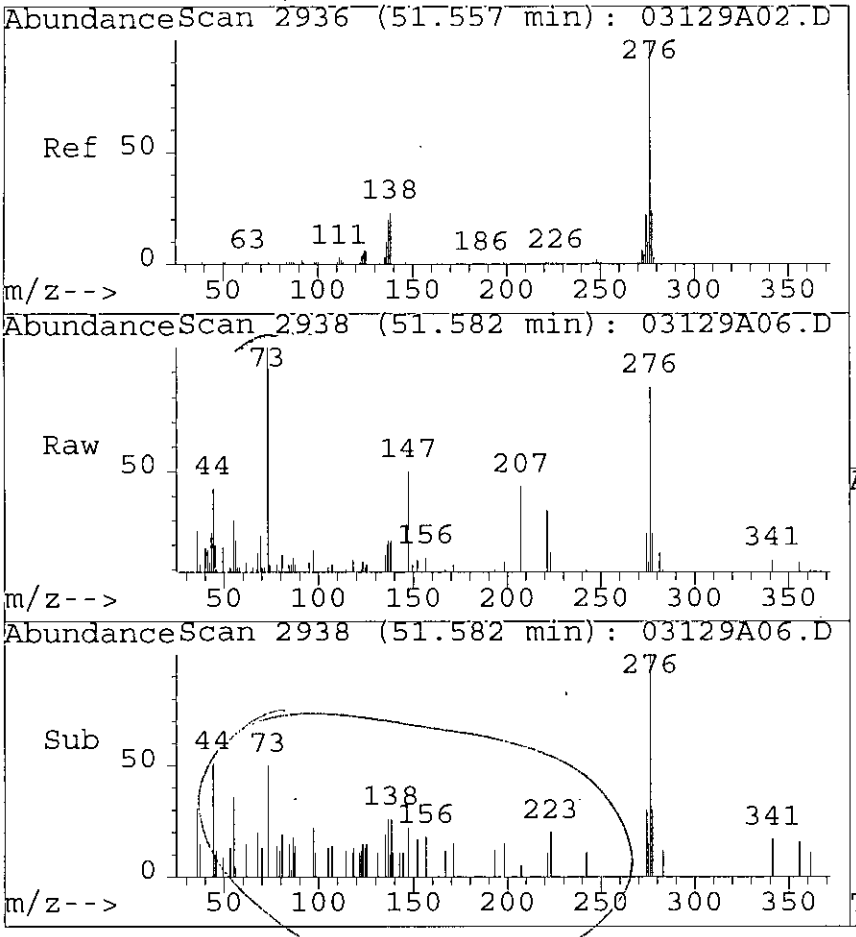


#96
BENZO(A)PYRENE
Concen: 1.96 ug/ml
RT: 45.63 min Scan# 2512
Delta R.T. -0.02 min
Lab File: 03129a06.d
Acq: 12 Mar 99 2:56 pm

Tgt Ion:252.1 Resp: 5363

Ion	Ratio	Lower	Upper
252	100		
250	24.3	18.7	28.0
253	23.1	15.9	23.8
125	14.5	19.6	29.3#

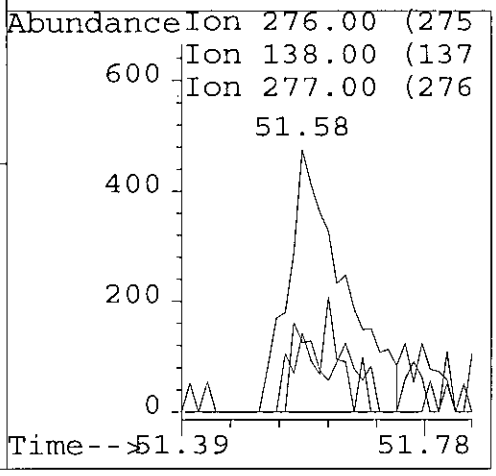


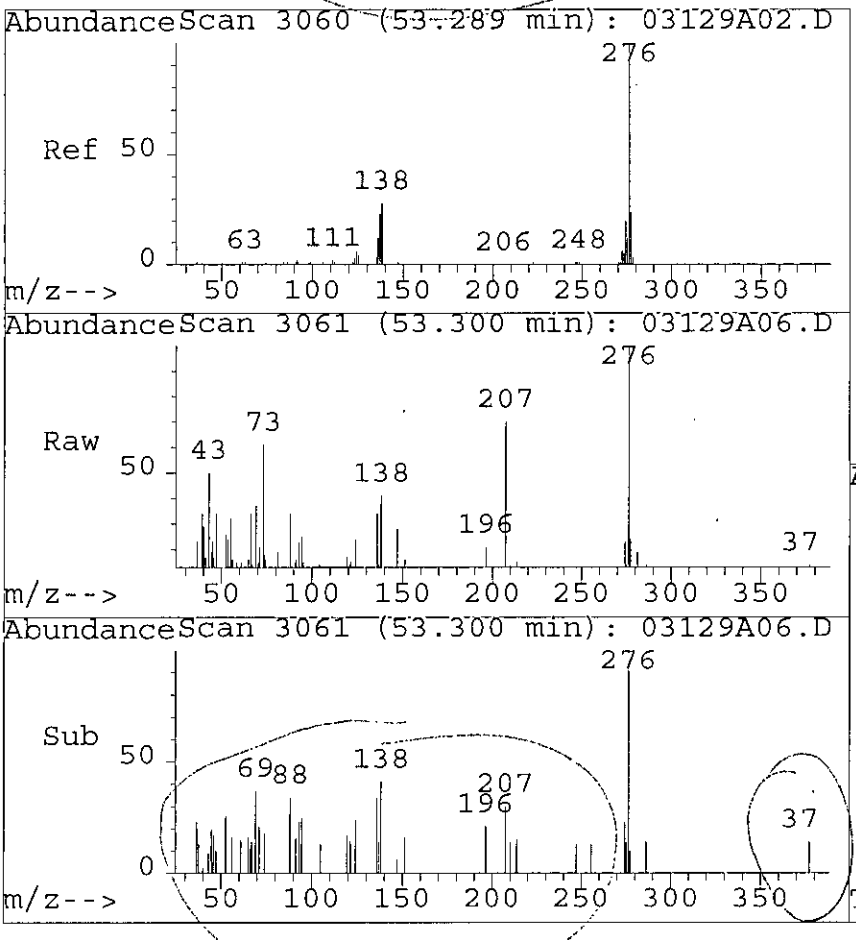


#97
INDENO(1,2,3-CD)PYRENE
Concen: 1.38 ug/ml
RT: 51.58 min Scan# 2938
Delta R.T. 0.03 min
Lab File: 03129a06.d
Acq: 12 Mar 99 2:56 pm

Tgt Ion:276 Resp: 2991

Ion	Ratio	Lower	Upper
276	100		
138	26.3	42.8	64.1#
277	29.9	20.0	29.9
0	0.0	0.0	0.0

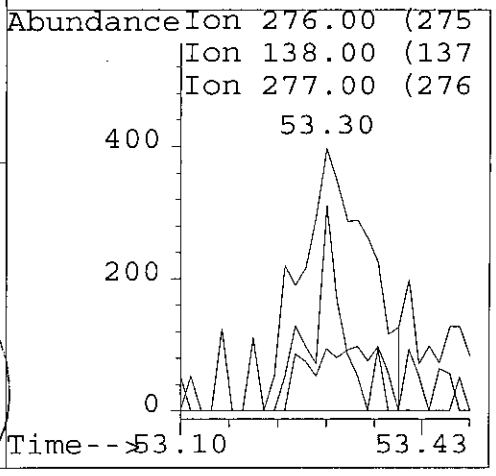




#99
BENZO(GHI)PERYLENE
Concen: 1.18 ug/ml
RT: 53.30 min Scan# 3061
Delta R.T. 0.01 min
Lab File: 03129a06.d
Acq: 12 Mar 99 2:56 pm

Tgt Ion:276 Resp: 2534

Ion	Ratio	Lower	Upper
276	100		
138	78.3	41.8	62.7#
277	23.9	24.6	36.9#
0	0.0	0.0	0.0



TIC: 03129A06.D

67827 MS

Peak#	Ret Time	Type	Width	Area	Start Time	End Time
1	10.975	rBV	0.139	12609	10.933	11.073
2	11.296	rBV	0.126	10367	11.199	11.324
3	11.617	rBV	0.377	8073623	11.338	11.715
4	12.469	rBV	0.391	670685~S	12.413	12.804
5	13.823	rBV	0.126	13231	13.725	13.851
6	14.144	rVB	0.126	11029	14.088	14.214
7	15.358	rBV	0.294	1584507~S/T	15.232	15.526
8	15.666	rBV	0.098	908647~S	15.596	15.694
9	16.309	rBV	0.098	238453~IS 1,4-DB2-D4	16.225	16.323
10	16.365	rVB	0.168	388723~T	16.323	16.491
11	16.798	rBV	0.224	378628~S	16.700	16.924
12	17.650	rBV	0.181	418119~T	17.580	17.762
13	18.153	rBV	0.279	364852~S	18.055	18.334
14	20.247	rBV	0.210	414689~T	20.191	20.400
15	20.456	rVB	0.182	289813~IS	20.400	20.582
16	20.820	rVB	0.181	10012	20.750	20.931
17	22.257	rBV	0.182	10611	22.131	22.313
18	22.481	rBV	0.378	960463~T	22.411	22.789
19	23.780	rVB	0.139	13432	23.724	23.863
20	24.017	rBV	0.098	15538	23.961	24.059
21	24.128	rVV	0.238	527927~S	24.059	24.296
22	25.259	rVB	0.126	12021	25.176	25.301
23	26.404	rBV	0.140	311575~IS	26.306	26.446
24	26.516	rVB	0.210	643388~T	26.446	26.655
25	27.201	rBV	0.448	925168~T	27.075	27.522
26	29.129	rBV	0.392	705231~S	28.989	29.381
27	29.549	rBV	0.098	14003	29.521	29.618
28	30.150	rVB	0.126	10234	30.122	30.248
29	30.597	rBV	0.195	21421	30.471	30.666
30	30.890	rBV	0.280	451544~T	30.792	31.072
31	31.492	rBV	0.140	312709~IS	31.408	31.548
32	31.576	rVB	0.084	29174~T	31.548	31.632
33	33.195	rBV	0.140	13181	33.154	33.293
34	33.349	rVB	0.140	10416	33.293	33.433
35	33.503	rBV	0.140	24505	33.433	33.573
36	34.411	rVB	0.126	10385	34.369	34.495
37	35.123	rBV	0.182	15381	35.025	35.207
38	35.640	rBV	0.182	60804~T	35.556	35.738
39	36.142	rBV	0.084	21607	36.101	36.185
40	36.422	rBV	0.238	793745~T	36.310	36.548
41	36.967	rBV	0.294	721505~S	36.813	37.107
42	37.205	rVB	0.084	11946	37.177	37.261
43	38.714	rBV	0.154	29077	38.616	38.769
44	38.895	rBV	0.084	10702	38.853	38.937
45	39.342	rVB	0.140	11718	39.286	39.426
46	39.481	rBV	0.112	10939	39.453	39.565
47	40.082	rVB	0.084	10542	40.054	40.138
48	40.515	rBV	0.294	367481~IS Chrysene-D12	40.389	40.683
49	40.906	rVB	0.196	16994	40.837	41.032
50	42.276	rVB	0.238	44232	42.164	42.402
51	43.436	rBV	0.238	53357	43.351	43.589
52	43.743	rBV	0.168	57040	43.659	43.827
53	44.037	rBV	0.126	11196	43.967	44.093
54	44.275	rBV	0.140	24992~T	44.219	44.359
55	44.778	rBV	0.181	33511	44.666	44.847

56	45.280	rBV	0.084	10404	45.224	45.308
57	45.406	rVV	0.098	18071	45.364	45.462
58	45.504	rVV	0.126	19788	45.462	45.588
59	45.630	rVV	0.140	21831 -T	45.588	45.728
60	45.881	rVB	0.364	288922 -IS Perylene D12	45.769	46.134
61	46.287	rVB	0.098	14260	46.231	46.329
62	47.544	rBV	0.168	16587	47.460	47.628
63	48.061	rVB	0.112	28841	48.005	48.117
64	48.257	rVB	0.126	10286	48.215	48.341
65	48.425	rBV	0.140	18204	48.341	48.480
66	49.932	rBV	0.112	11551	49.890	50.002
67	51.597	rVB	0.154	17107	51.568	51.722
68	52.643	rBV	0.196	19264	52.574	52.769

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\03129A06.D
Acq On : 12 Mar 99 2:56 pm
Sample : 67827 MS
Misc : American Glue & Resin P#99187

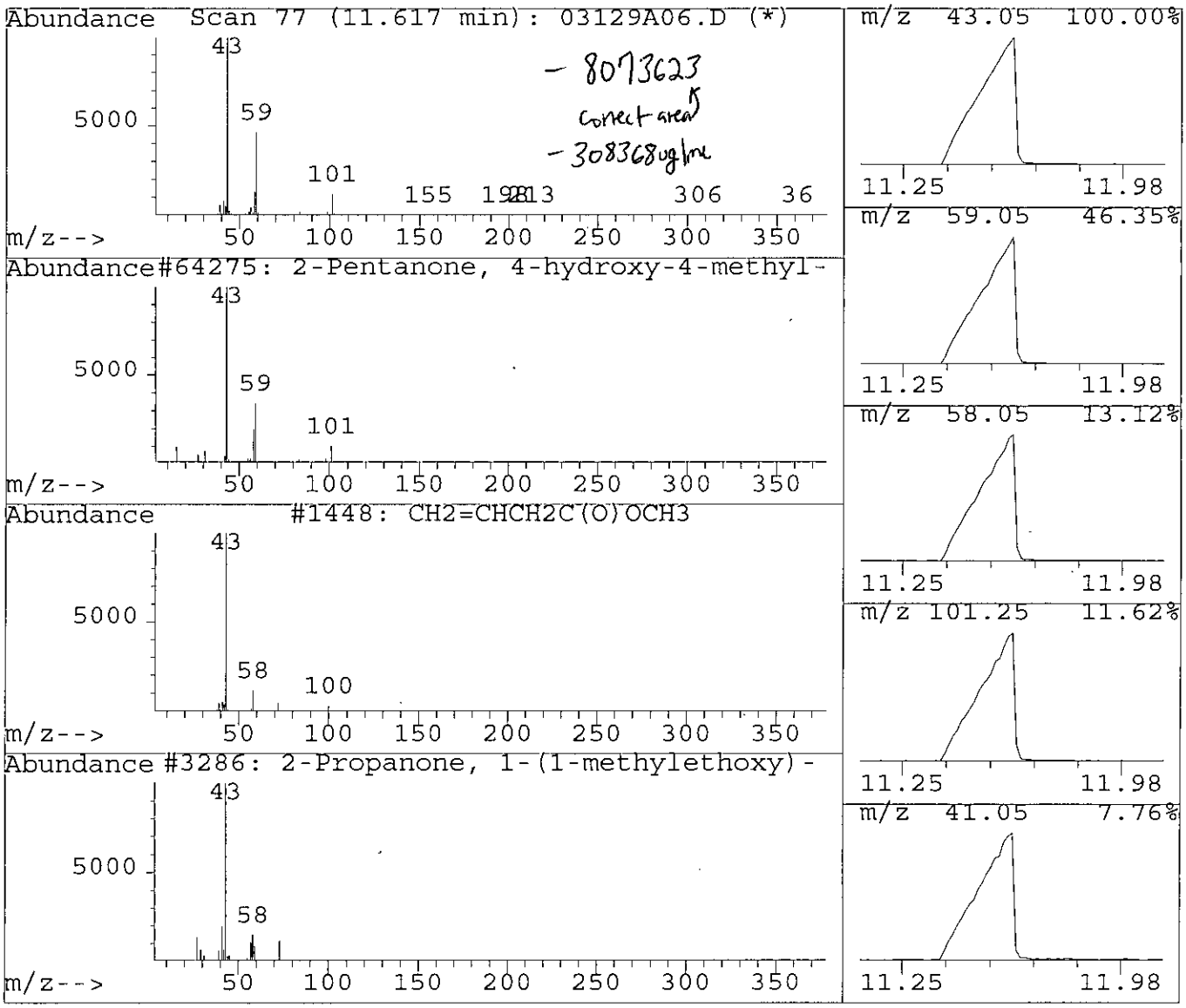
Vial: 6
Operator: ESAT
Inst : 5988
Multiplr: 227.69

Method : C:\HPCHEM\1\METHODS\03129A01.M
Title : semivolatiles
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	R.T.
11.62	310421.06 ug/ml	8078532	1,4-DICHLOROBENZENE-D4	16.31

Hit# of 20	Tentative ID	Ref#	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	64275	000123-42-2	50
2	CH2=CHCH2C(O)OCH3	1448	003724-55-8	12
3	2-Propanone, 1-(1-methylethoxy)-	3286	042781-12-4	9
4	Formamide, N,N-diethyl-	1629	000617-84-5	7
5	2,3-Butanedione, monooxime	1607	000057-71-6	7

AB



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\03129A06.D
Acq On : 12 Mar 99 2:56 pm
Sample : 67827 MS
Misc : American Glue & Resin P#99187

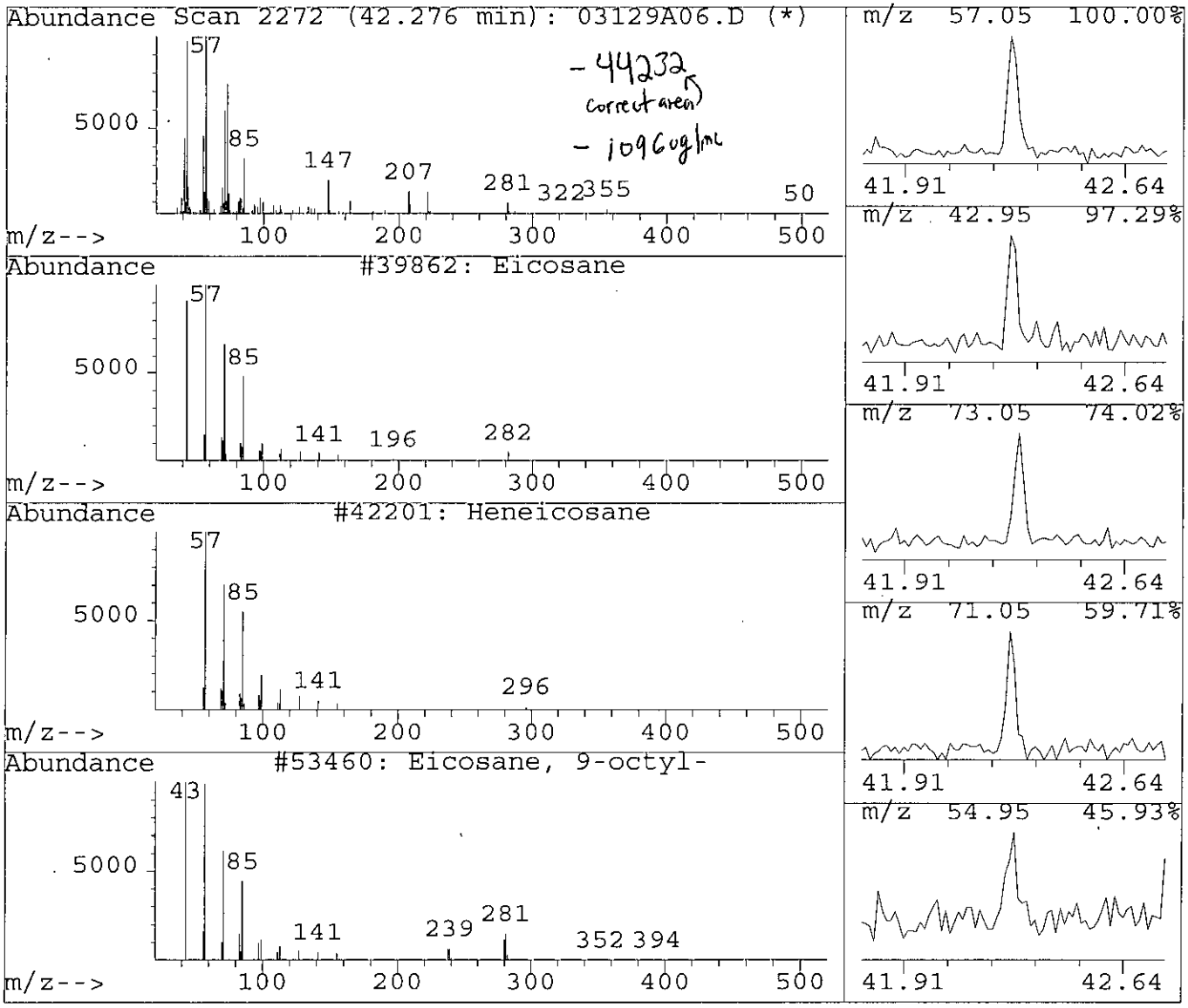
Vial: 6
Operator: ESAT
Inst : 5988
Multiplr: 227.69

Method : C:\HPCHEM\1\METHODS\03129A01.M
Title : semivolatiles
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	R.T.
42.28	999.14 ug/ml	37854	CHRYSENE-D12	40.51

Hit# of 20	Tentative ID	Ref#	CAS#	Qual
1	Eicosane	39862	000112-95-8	42
2	Heneicosane	42201	000629-94-7	38
3	Eicosane, 9-octyl-	53460	013475-77-9	38
4	Heptacosane	74082	000593-49-7	30
5	Dotriacontane	74490	000544-85-4	30

C26 HC



Library Search Compound Report

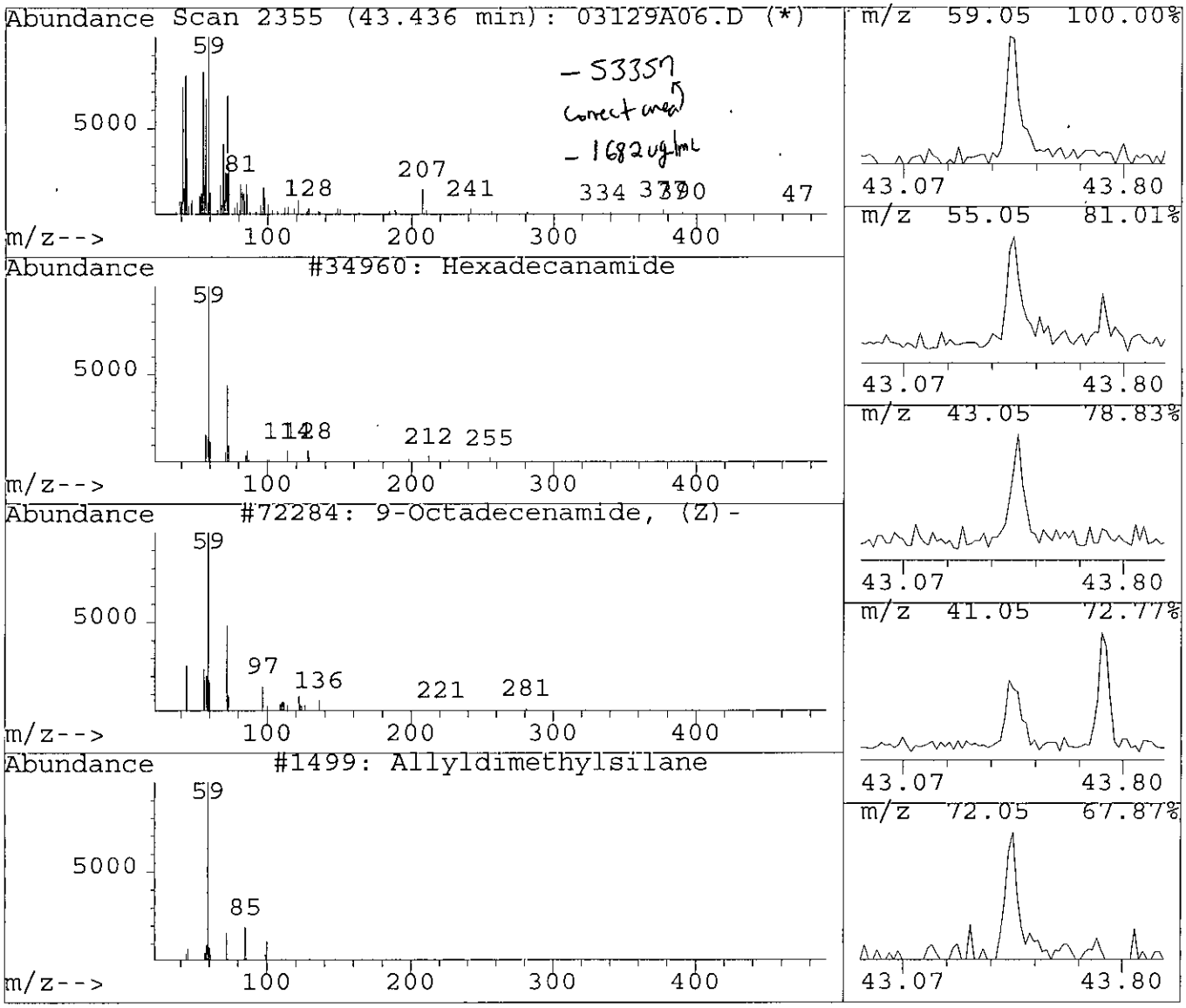
Data File : C:\HPCHEM\1\DATA\03129A06.D
Acq On : 12 Mar 99 2:56 pm
Sample : 67827 MS
Misc : American Glue & Resin P#99187

Vial: 6
Operator: ESAT
Inst : 5988
Multiplr: 227.69

Method : C:\HPCHEM\1\METHODS\03129A01.M
Title : semivolatiles
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	R.T.
43.44	1620.62 ug/ml	51412	PERYLENE-D12	45.88

Hit# of 20	Tentative ID	Ref#	CAS#	Qual
1	Hexadecanamide	34960	000629-54-9	50
2	9-Octadecenamide, (Z)-	72284	000301-02-0	49
3	Allyldimethylsilane	1499	003937-30-2	43
4	1-Pyrrolidinyloxy, 3-hydroxy-2,2,5,	11908	002154-37-2	43
5	9-Octadecenamide	39627	003322-62-1	30



Library Search Compound Report

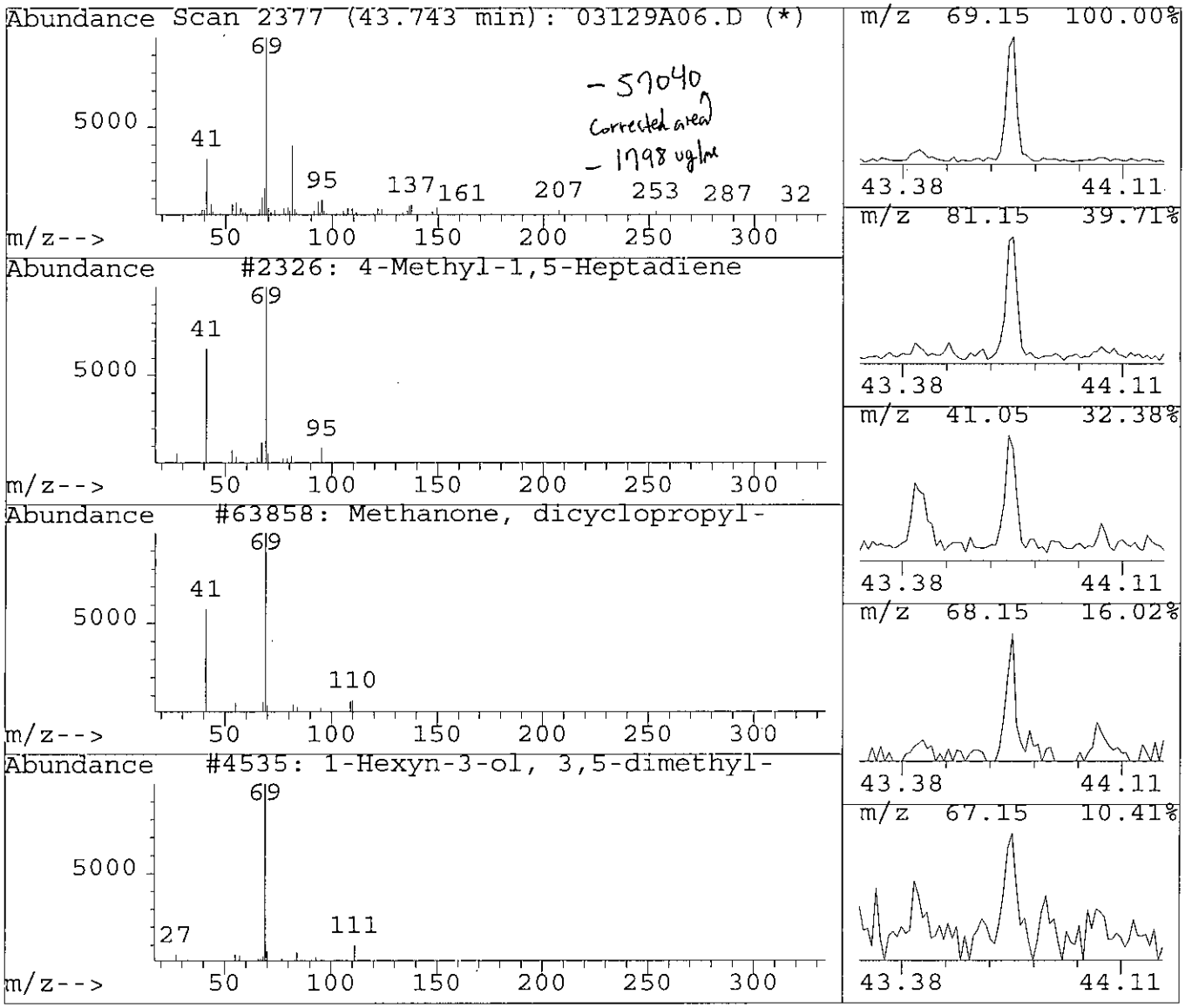
Data File : C:\HPCHEM\1\DATA\03129A06.D
Acq On : 12 Mar 99 2:56 pm
Sample : 67827 MS
Misc : American Glue & Resin P#99187

Vial: 6
Operator: ESAT
Inst : 5988
Multiplr: 227.69

Method : C:\HPCHEM\1\METHODS\03129A01.M
Title : semivolatiles
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	R.T.
43.74	1447.31 ug/ml	45914	PERYLENE-D12	45.88

Hit# of 20	Tentative ID	Ref#	CAS#	Qual
1	4-Methyl-1,5-Heptadiene	2326	000998-94-7	72
2	Methanone, dicyclopropyl-	63858	001121-37-5	59
3	1-Hexyn-3-ol, 3,5-dimethyl-	4535	000107-54-0	53
4	Trifluoroacetyl-lavandulol	33837	000000-00-0	53
5	1,5-Heptadiene, 3,3,6-trimethyl-	7112	035387-63-4	50



1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

67827MSD

Lab EPA REG 1 Contract:

Proj 99187 Site: AMERICAN Location: Group:

Matrix: (soil/wat SOIL Lab Sample ID: 67827MSD

wet Sample wt/vol: 5.3 (g/mL) G Lab File ID: 03129A07.D

Dry: Collect 3/2/99

Level: (low/m MED Date Received: 3/3/99

% 12 decanted: (Y/N): Y Date Extracted: 3/9/99

Concentrated Extract Volume 1000 (uL) Date Analyzed: 3/12/99

Injection Volume 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y N pH: 0 Report Fraction: 0.65

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
62-53-3	ANILINE	2200	U
108-95-2	PHENOL	33000	
111-44-4	BIS(2-CHLOROETHYL) ETHER	2200	U
95-57-8	2-CHLOROPHENOL	31000	
541-73-1	1,3-DICHLOROBENZENE	2200	U
106-46-7	1,4-DICHLOROBENZENE	13000	
100-51-6	BENZYL ALCOHOL	2200	U
95-50-1	1,2-DICHLOROBENZENE	2200	U
95-48-7	2-METHYLPHENOL	2200	U
108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	2200	U
106-44-5	4-METHYLPHENOL	2200	U
621-64-7	N-NITROSODIPROPYLAMINE	15000	
67-72-1	HEXACHLOROETHANE	2200	U
98-95-3	NITROBENZENE	2200	U
78-59-1	ISOPHORONE	2200	U
88-75-5	2-NITROPHENOL	2200	U
105-67-9	2,4-DIMETHYLPHENOL	2200	U
111-91-1	BIS(2-CHLOROETHOXY)METHANE	2200	U
65-85-0	BENZOIC ACID	2200	U
120-83-2	2,4-DICHLOROPHENOL	2200	U
120-82-1	1,2,4-TRICHLOROBENZENE	15000	
91-20-3	NAPHTHALENE	2200	U
106-47-8	4-CHLOROANILINE	2200	U
87-68-3	HEXACHLOROBUTADIENE	2200	U
59-50-7	4-CHLORO-3-METHYLPHENOL	37000	
91-57-6	2-METHYLNAPHTHALENE	2200	U
77-47-4	HEXACHLOROCYCLOPENTADIENE	2200	U
88-06-2	2,4,6-TRICHLOROPHENOL	2200	U
95-95-4	2,4,5-TRICHLOROPHENOL	2200	U
91-58-7	2-CHLORONAPHTHALENE	2200	U
88-74-4	2-NITROANILINE	2200	U
131-11-3	DIMETHYLPHTHALATE	2200	U
208-96-8	ACENAPHTHYLENE	2200	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

67827MSD

Lab EPA REG 1 Contract:

Proj 99187 Site: AMERICAN Location: Group:

Matrix: (soil/wat SOIL Lab Sample ID: 67827MSD

Sample wt/vol: 5.3 (g/mL) G Lab File ID: 03129A07.D

Level: (low/m MED Date Received: 3/3/99

% 12 decanted: (Y/N): Y Date Extracted: 3/9/99

Concentrated Extract Volume 1000 (uL) Date Analyzed: 3/12/99

Injection Volume 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y N pH: 0

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
606-20-2	2,6-DINITROTOLUENE	2200	U
99-09-2	3-NITROANILINE	2200	U
83-32-9	ACENAPHTHENE	17000	
51-28-5	2,4-DINITROPHENOL	2200	U
132-64-9	DIBENZOFURAN	2200	U
100-02-7	4-NITROPHENOL	43000	
121-14-2	2,4-DINITROTOLUENE	18000	
84-66-2	DIETHYLPHTHALATE	2200	U
86-73-7	FLUORENE	2200	U
7005-72-3	4-CHLOROPHENYL-PHENYLETHER	2200	U
100-01-6	4-NITROANILINE	2200	U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	2200	U
86-30-6	N-NITROSODIPHENYLAMINE	2200	U
103-33-3	DIPHENYLHYDRAZINE(AZOBENZENE)	2200	U
101-55-3	4-BROMOPHENYL-PHENYLETHER	2200	U
319-84-6	BHC ISOMER (ALPHA)	2200	U
118-74-1	HEXACHLOROBENZENE	2200	U
319-85-7	BHC ISOMER (BETA)	2200	U
87-86-5	PENTACHLOROPHENOL	29000	
58-89-9	LINDANE-BHC ISOMER (GAMA)	2200	U
85-01-8	PHENANTHRENE	280	L J
120-12-7	ANTHRACENE	2200	U
319-86-8	BHC ISOMER (DELTA)	2200	U
86-74-8	CARBAZOLE	2200	U
76-44-8	HEPTACHLOR	2200	U
84-74-2	DIBUTYLPHTHALATE	2200	U
309-00-2	ALDRIN	2200	U
1024-57-3	HEPTACHLOR EPOXIDE	2200	U
206-44-0	FLUORANTHENE	700	L J
129-00-0	PYRENE	19000	
959-98-8	ENDOSULFAN I	2200	U
72-55-9	P,P-DDE	2200	U
60-57-1	DIELDRIN	2200	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

67827MSD

Lab EPA REG 1 Contract:

Proj 99187 Site: AMERICAN Location: Group:

Matrix: (soil/wat SOIL Lab Sample ID: 67827MSD

Sample wt/vol: 5.3 (g/mL) G Lab File ID: 03129A07.D

Level: (low/m MED Date Received: 3/3/99

% 12 decanted: (Y/N): Y Date Extracted: 3/9/99

Concentrated Extract Volume 1000 (uL) Date Analyzed: 3/12/99

Injection Volume 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y N pH: 0

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
72-20-8	ENDRIN	2200	U
33213-65-9	ENDOSULFAN II	2200	U
72-54-8	P,P-DDD	2200	U
85-68-7	BUTYLBENZYLPHTHALATE	2200	U
50-29-3	P,P-DDT	2200	U
1031-07-8	ENDOSULFAN SULFATE	2200	U
72-43-5	METHOXYCHLOR	2200	U
53494-70-5	ENDRIN KETONE	2200	U
91-94-1	3,3-DICHCHLOROBENZIDINE	2200	U
56-55-3	BENZ(A)ANTHRACENE	2200	U
218-01-9	CHRYSENE	280	L J
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	2200	U
117-84-0	DI-N-OCTYLPHTHALATE	2200	U
205-99-2	BENZO(B)FLUORANTHENE	300	L J
207-08-9	BENZO(K)FLUORANTHENE	2200	U
50-32-8	BENZO(A)PYRENE	2200	U
193-39-5	INDENO(1,2,3-CD)PYRENE	2200	U
53-70-3	DIBENZO(A,H)ANTHRACENE	2200	U
191-24-2	BENZO(GHI)PERYLENE	2200	U

QUANTITATION SHEET

SAMPLE NUMBER 67827 MSD

Tentatively Identified Compounds

SCAN NO.	COMPOUND	PROB. MATCH	CONC (ug/ml)	EST. C. (ug/kg)	CAS NO.	CHEM. FORM.
78	4-hydroxy-4-methyl-2-Pentanone	50	-	~300000 AB	123-42-2	
2017	UnKnown	-	-	~1000 BJ	-	
2355	UnKnown	-	-	~2000 BJ	-	
2377	UnKnown	-	-	~2000 BJ	-	
2686	C30 Hydrocarbon	86	-	~1000 J	-	

~ = Approximate
< = Less than
> = Greater than
NA = Not available due to dilution or interference
E = Estimated value that exceeds the calibration range
L = Estimated value that is below the calibration range
B = Analyte associated with the lab, trip blank. Reported values are 5X higher than blank. Phthalates must be 10X.

Quantitation Report

Data File : C:\HPCHEM\1\DATA\03129A07.D
Acq On : 12 Mar 99 4:04 pm
Sample : 67827 MSD
Misc : American Glue & Resin P#99187
Quant Time: Mar 13 9:57 1999

Vial: 7
Operator: ESAT
Inst : 5988
Multiplr: 216.59

Method : C:\HPCHEM\1\METHODS\03129A01.M
Title : semivolatiles
Last Update : Fri Mar 12 11:19:03 1999
Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DICHLOROBENZENE-D4	16.31	150	61504	40.00	ug/ml	0.00
19) NAPHTHALENE-D8	20.46	136	121823	40.00	ug/ml	0.00
34) ACENAPHTHENE-D10	26.41	164	60192	40.00	ug/ml	0.00
54) PHENANTHRENE-D10	31.49	188	115105	40.00	ug/ml	-0.02
74) CHRYSENE-D12	40.51	240	107639	40.00	ug/ml	-0.01
92) PERYLENE-D12	45.88	264	88699	40.00	ug/ml	-0.01
System Monitoring Compounds						%Recovery
2) FLUOROPHENOL	12.48	112	171124	145.50	ug/ml	72.75%
4) PHENOL-D5	15.32	99	246802	152.66	ug/ml	76.33%
5) 2-CHLOROPHENOL-D4	15.67	132	174708	143.49	ug/ml	71.74%
12) 1,2-DICHLOROBENZENE-D4	16.80	150	82043	58.49	ug/ml	58.49%
20) NITROBENZENE-D5	18.15	82	134344	74.75	ug/ml	74.75%
38) FLUOROBIPHENYL	24.13	172	159395	79.05	ug/ml	79.05%
58) 2,4,6-TRIBROMOPHENOL	29.15	330	81753	177.55	ug/ml	88.78%
78) P-TERPHENYL-D14	36.97	244	236206	88.64	ug/ml	88.64%
Target Compounds						Qvalue
6) PHENOL	15.37	94	257407	32887.36	ug/ml	96
8) 2-CHLOROPHENOL	15.71	128	177008	31186.43	ug/ml#	83
10) 1,4-DICHLOROBENZENE	16.37	146	85712	13400.90	ug/ml	94
17) N-NITROSODIPROPYLAMINE	17.65	70	97073	15233.85	ug/ml#	76
28) 1,2,4-TRICHLOROBENZENE	20.25	180	70868	15403.56	ug/ml	98
32) 4-CHLORO-3-METHYLPHENOL	22.48	107	176853	37165.52	ug/ml	94
45) ACENAPHTHENE	26.52	154	135258	17322.83	ug/ml	94
48) 4-NITROPHENOL	27.16	65	84507	43119.07	ug/ml#	63
49) 2,4-DINITROTOLUENE	27.20	165	61485	18108.33	ug/ml#	89
63) PENTACHLOROPHENOL	30.89	266	54899	29424.84	ug/ml	95
65) PHENANTHRENE	31.58	178	3830	275.86	ug/ml#	90
73) FLUORANTHENE	35.64	202	10418	699.48	ug/ml#	86
75) PYRENE	36.42	202	282191	18950.83	ug/ml	96
90) CHRYSENE	40.60	228	3459	283.00	ug/mlm	97
94) BENZO(B)FLUORANTHENE	44.30	252	4056	302.66	ug/ml#	88

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

Quantitation Report

Data File : c:\hpchem\1\data\03129a07.d
Acq On : 12 Mar 99 4:04 pm
Sample : 67827 MSD
Misc : American Glue & Resin P#99187
Quant Time: Mar 13 8:38 1999

Vial: 7
Operator: ESAT
Inst : 5988
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\03129A01.M
Title : semivolatiles
Last Update : Fri Mar 12 11:19:03 1999
Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-DICHLOROBENZENE-D4	16.31	150	61504	40.00 ug/ml	0.00
19) NAPHTHALENE-D8	20.46	136	121823	40.00 ug/ml	0.00
34) ACENAPHTHENE-D10	26.41	164	60192	40.00 ug/ml	0.00
54) PHENANTHRENE-D10	31.49	188	115105	40.00 ug/ml	-0.02
74) CHRYSENE-D12	40.51	240	107639	40.00 ug/ml	-0.01
92) PERYLENE-D12	45.88	264	88699	40.00 ug/ml	-0.01
System Monitoring Compounds					%Recovery
2) FLUOROPHENOL	12.48	112	171124	145.50 ug/ml	72.75%
4) PHENOL-D5	15.32	99	246802	152.66 ug/ml	76.33%
5) 2-CHLOROPHENOL-D4	15.67	132	174708	143.49 ug/ml	71.74%
12) 1,2-DICHLOROBENZENE-D4	16.80	150	82043	58.49 ug/ml	58.49%
20) NITROBENZENE-D5	18.15	82	134344	74.75 ug/ml	74.75%
38) FLUOROBIPHENYL	24.13	172	159395	79.05 ug/ml	79.05%
58) 2,4,6-TRIBROMOPHENOL	29.15	330	81753	177.55 ug/ml	88.78%
78) P-TERPHENYL-D14	36.97	244	236206	88.64 ug/ml	88.64%
Target Compounds					Qvalue
3) ANILINE	15.37	93	2763	~~1.79 ug/ml#~~	1
6) PHENOL	15.37	94	257407	151.84 ug/ml	96
7) BIS(2-CHLOROETHYL) ETHER	15.37	93	2763	~~1.67 ug/ml#~~	1
8) 2-CHLOROPHENOL	15.71	128	177008	143.99 ug/ml#	83
10) 1,4-DICHLOROBENZENE	16.37	146	85712	61.87 ug/ml	94
11) BENZYL ALCOHOL	16.80	79	2253	~~3.14 ug/ml#~~	10
17) N-NITROSODIPROPYLAMINE	17.65	70	97073	70.33 ug/ml#	76
28) 1,2,4-TRICHLOROBENZENE	20.25	180	70868	71.12 ug/ml	98
32) 4-CHLORO-3-METHYLPHENOL	22.48	107	176853	171.59 ug/ml	94
33) 2-METHYLNAPHTHALENE	22.48	142	122181	~~60.15 ug/ml#~~	20
45) ACENAPHTHENE	26.52	154	135258	79.98 ug/ml	94
48) 4-NITROPHENOL	27.16	65	84507	199.08 ug/ml#	63
49) 2,4-DINITROTOLUENE	27.20	165	61485	83.61 ug/ml#	89
56) N-NITROSODIPHENYLAMINE	29.13	169	2270	~~1.70 ug/ml#~~	26
63) PENTACHLOROPHENOL	30.89	266	54899	135.85 ug/ml	95
65) PHENANTHRENE	31.58	178	3830	1.27 ug/ml#	90
66) ANTHRACENE	~~31.58~~ 31.77	178	~~3380~~ 863	~~1.14 ug/ml#~~ 0.29	90
73) FLUORANTHENE	35.64	202	10418	3.23 ug/ml#	86
75) PYRENE	36.42	202	282191	87.50 ug/ml	96
89) BENZ(A)ANTHRACENE	40.47	228	2681	~~0.95 ug/ml~~	97
90) CHRYSENE	~~40.47~~ 40.46	228	~~2681~~ 3459	~~1.01~~ 1.31 ug/ml	97
91) BIS(2-ETHYLHEXYL) PHTHALATE	40.58	149	1602	~~0.62 ug/ml#~~	91
94) BENZO(B)FLUORANTHENE	44.30	252	4056	1.40 ug/ml#	88
95) BENZO(K)FLUORANTHENE	44.41	252	2130	~~0.70 ug/ml~~	95
96) BENZO(A)PYRENE	45.64	252	2625	0.97 ug/ml#	92

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

Quantitation Report

Data File : c:\hpchem\1\data\03129a07.d
Acq On : 12 Mar 99 4:04 pm
Sample : 67827 MSD
Misc : American Glue & Resin P#99187
Quant Time: Mar 13 8:38 1999

Vial: 7
Operator: ESAT
Inst : 5988
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\03129A01.M
Title : semivolatiles
Last Update : Fri Mar 12 11:19:03 1999
Response via : Single Level Calibration

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
97)	INDENO(1,2,3-CD)PYRENE	51.70	276	1663	~~0.78 ug~~/ml#	62
99)	BENZO(GHI)PERYLENE	53.40	276	1798	0<~~.85 ug~~/ml#	91

wet wt = 5.258
Dry wt = 4.617
% moist = 12.2
1 ml fr
NO DIL
MW T = 216.5908599

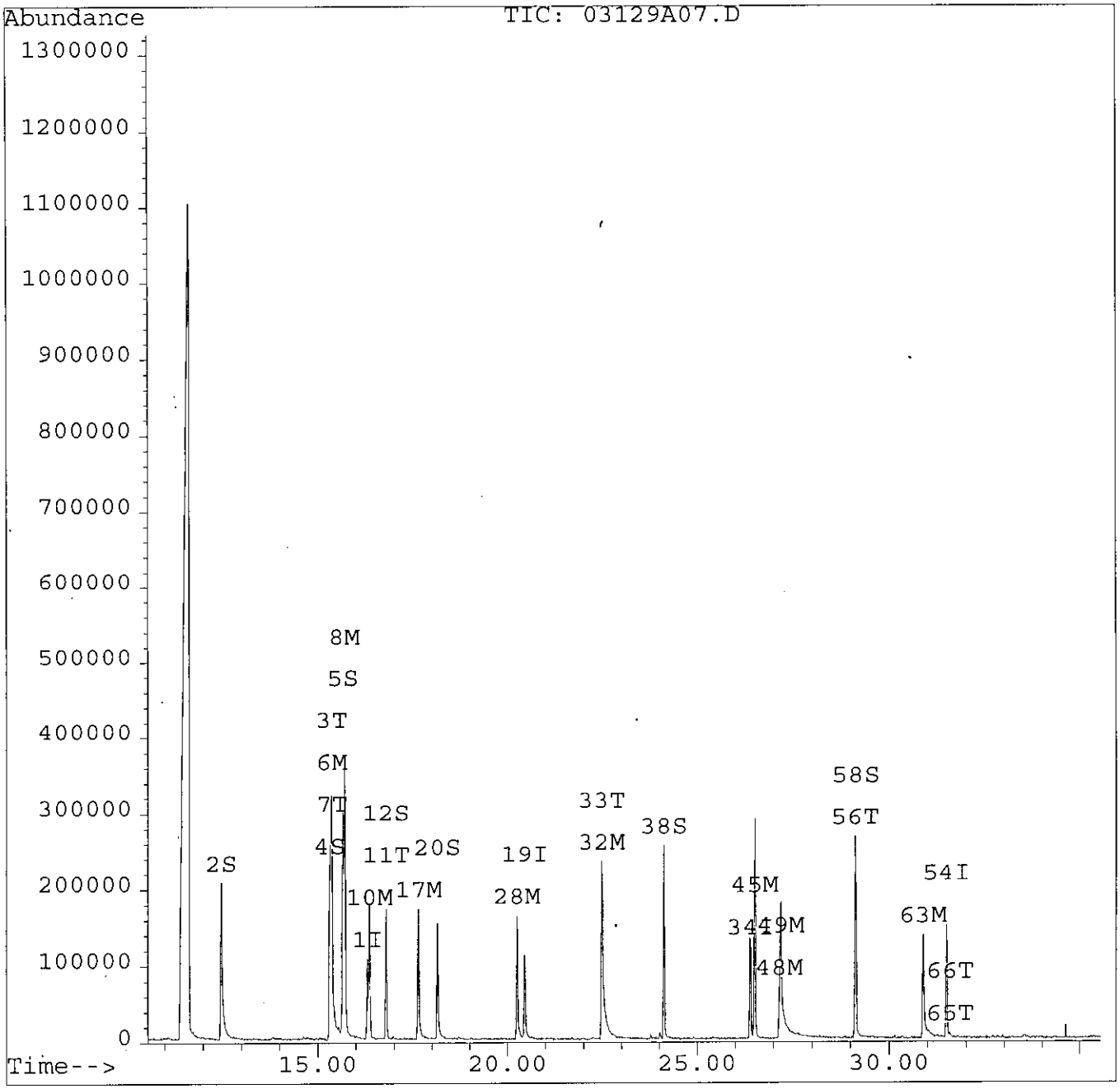
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : c:\hpchem\1\data\03129a07.d
Acq On : 12 Mar 99 4:04 pm
Sample : 67827 MSD
Misc : American Glue & Resin P#99187
Quant Time: Mar 13 8:38 1999

Vial: 7
Operator: ESAT
Inst : 5988
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\03129A01.M
Title : semivolatiles
Last Update : Fri Mar 12 11:19:03 1999
Response via : Single Level Calibration

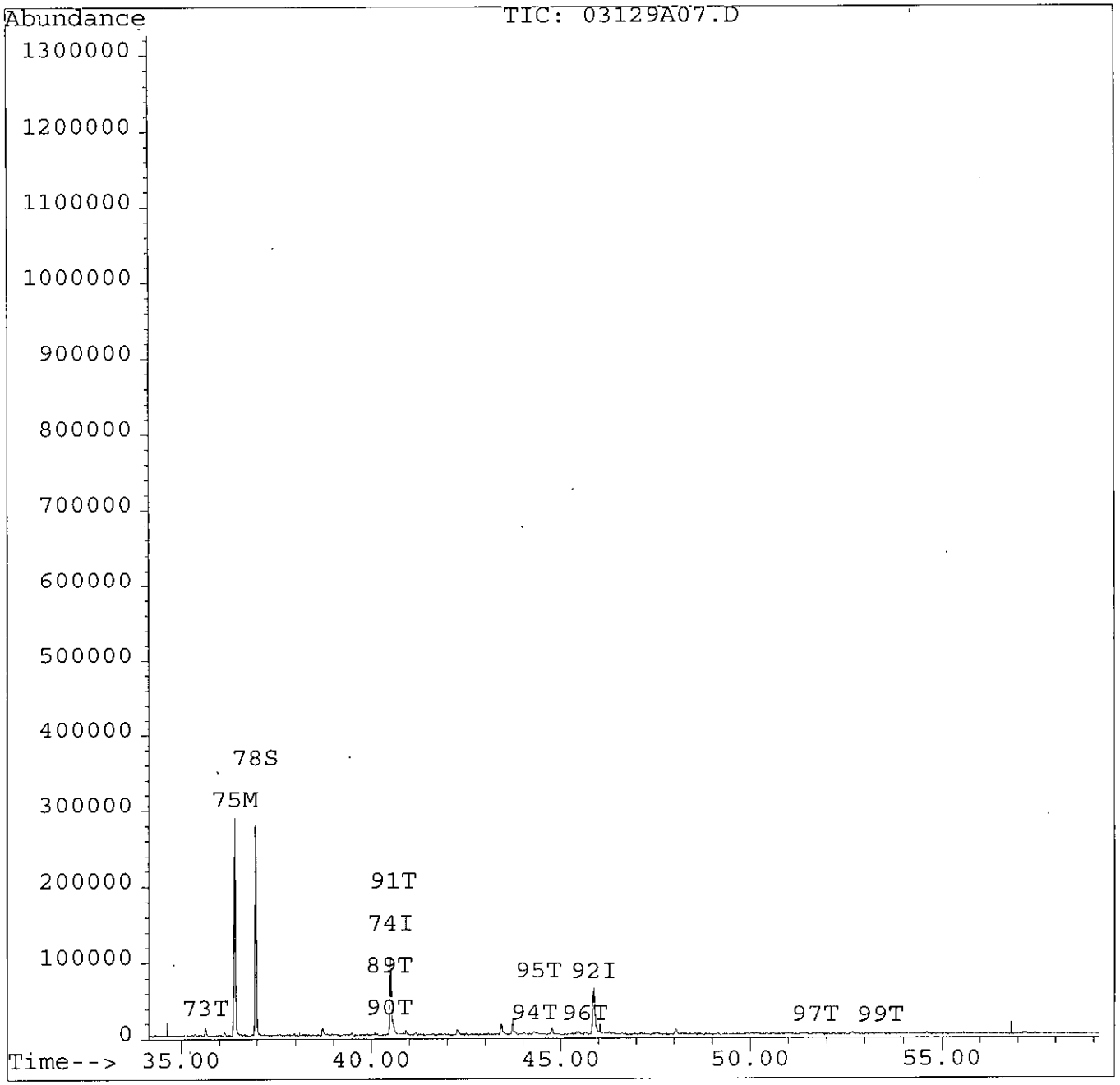


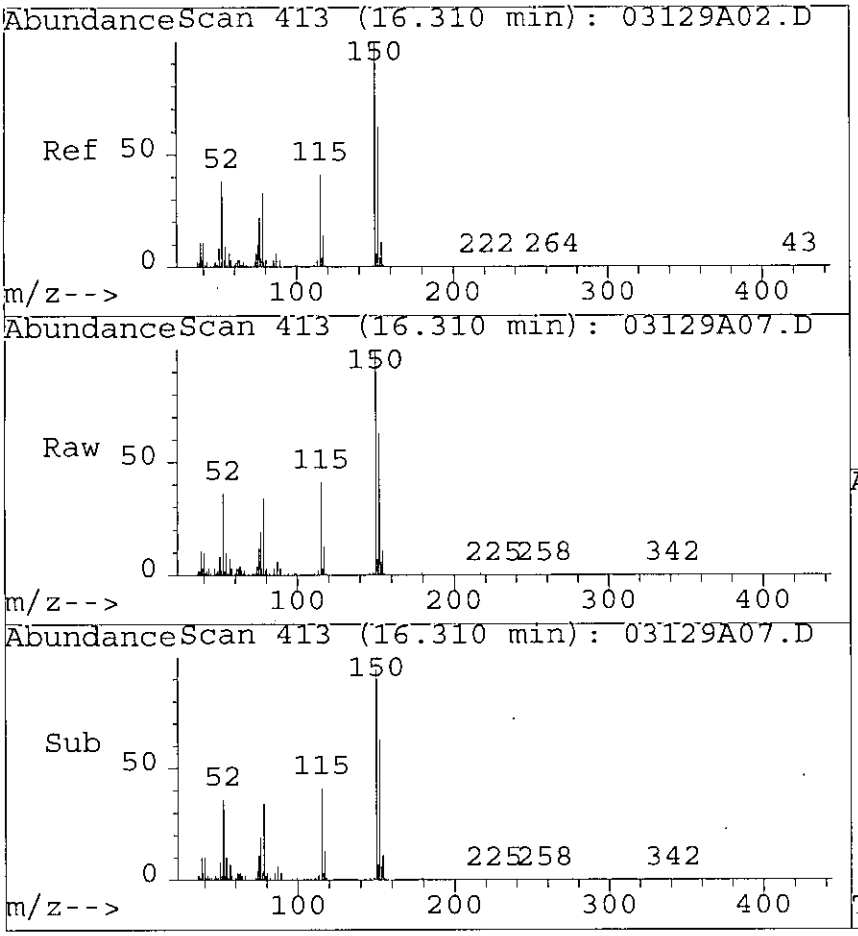
Quantitation Report

Data File : c:\hpchem\1\data\03129a07.d
Acq On : 12 Mar 99 4:04 pm
Sample : 67827 MSD
Misc : American Glue & Resin P#99187
Quant Time: Mar 13 8:38 1999

Vial: 7
Operator: ESAT
Inst : 5988
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\03129A01.M
Title : semivolatiles
Last Update : Fri Mar 12 11:19:03 1999
Response via : Single Level Calibration

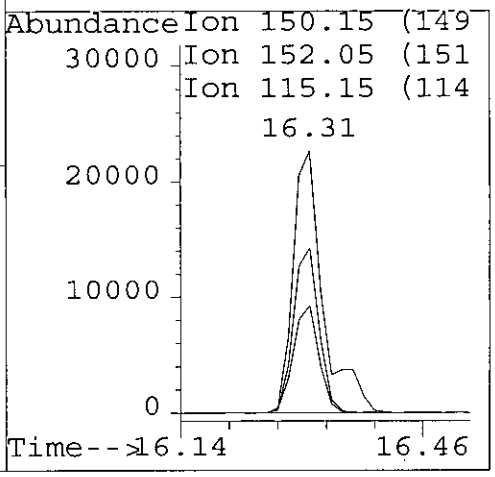


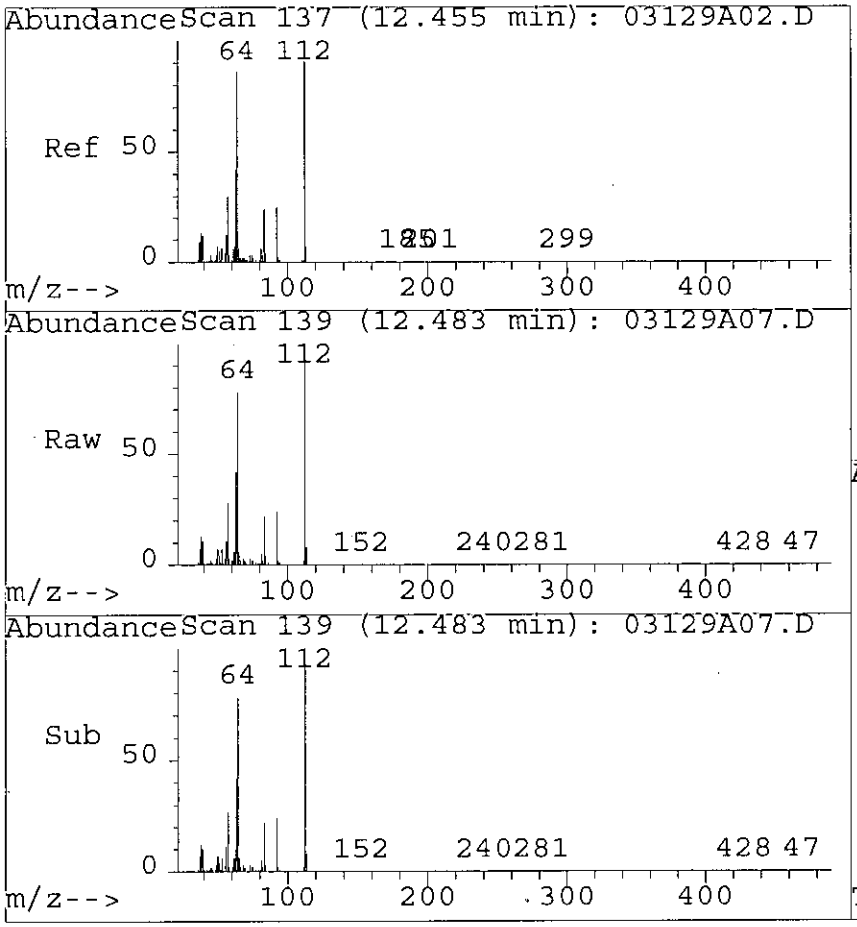


#1
1,4-DICHLOROBENZENE-D4
Concen: 40.00 ug/ml
RT: 16.31 min Scan# 413
Delta R.T. 0.00 min
Lab File: 03129a07.d
Acq: 12 Mar 99 4:04 pm

Tgt Ion:150.15 Resp: 61504

Ion	Ratio	Lower	Upper
150	100		
152	62.9	51.1	76.6
115	40.9	34.7	52.0
0	0.0	0.0	0.0

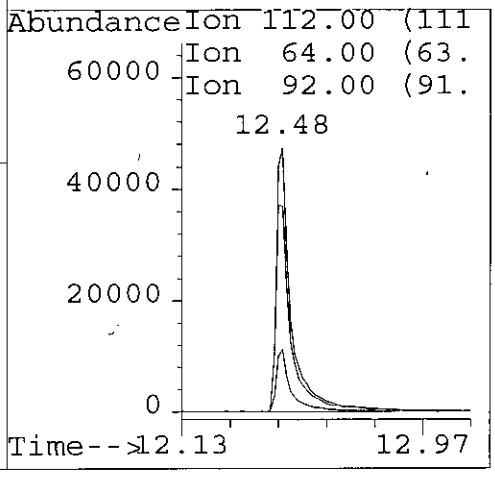


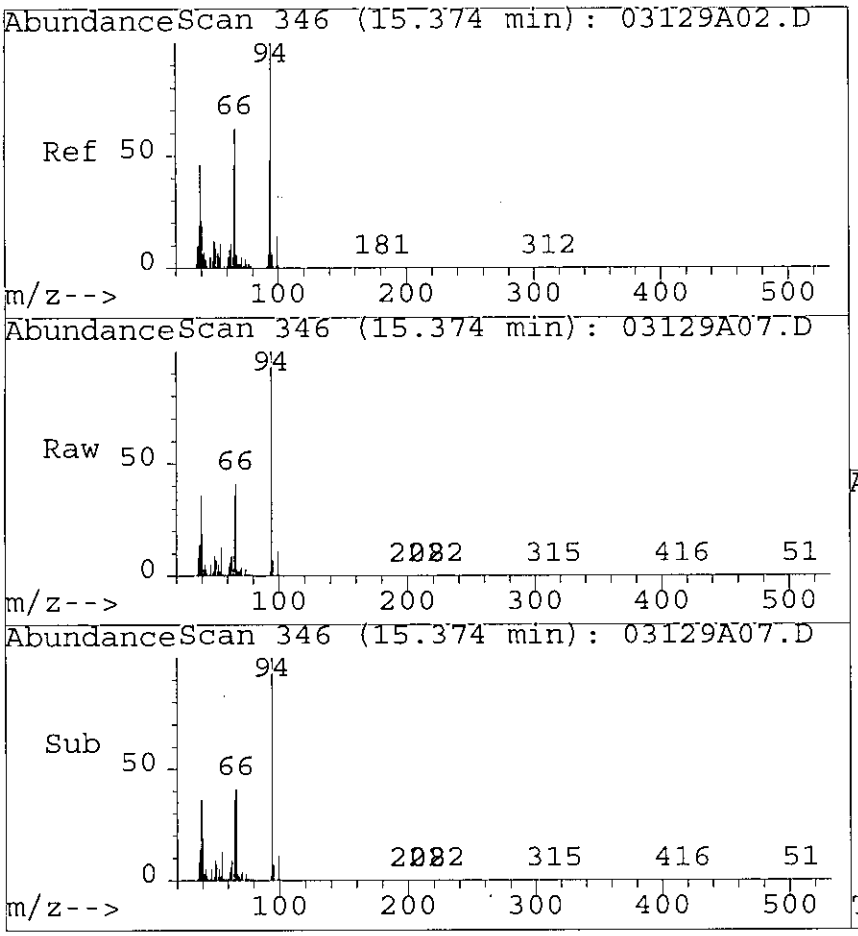


#2
FLUOROPHENOL
Concen: 145.50 ug/ml
RT: 12.48 min Scan# 139
Delta R.T. 0.03 min
Lab File: 03129a07.d
Acq: 12 Mar 99 4:04 pm

Tgt Ion:112 Resp: 171124

Ion	Ratio	Lower	Upper
112	100		
64	78.0	55.4	83.1
92	23.8	24.7	37.0#
0	0.0	0.0	0.0

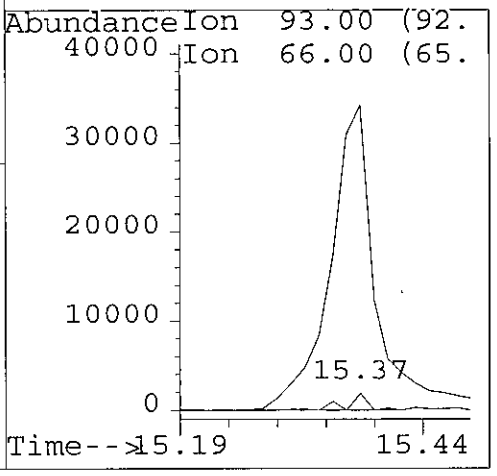


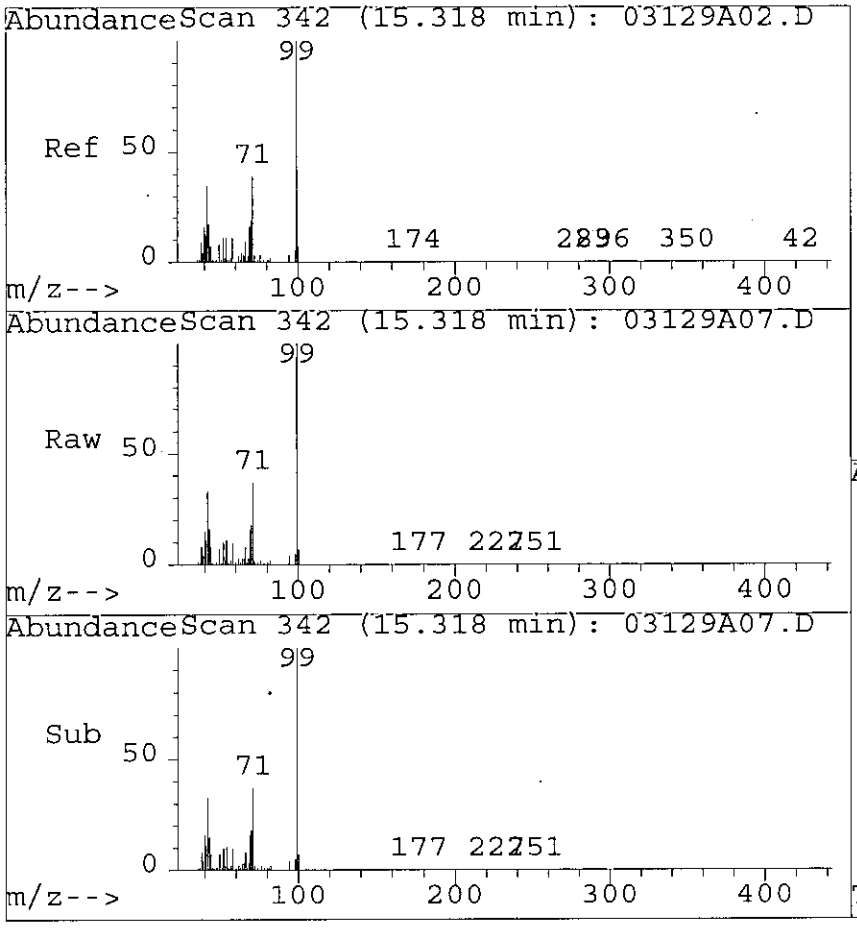


#3
ANILINE
Concen: 1.79 ug/ml
RT: 15.37 min Scan# 346
Delta R.T. 0.00 min
Lab File: 03129a07.d
Acq: 12 Mar 99 4:04 pm

Tgt Ion:93 Resp: 2763

Ion	Ratio	Lower	Upper
93	100		
66	1830.2	40.1	60.1#
0	0.0	0.0	0.0
0	0.0	0.0	0.0

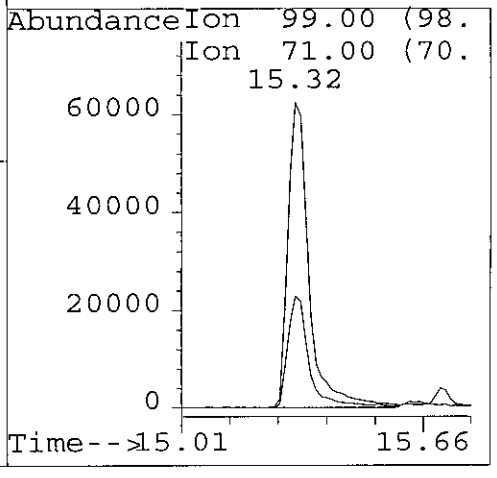


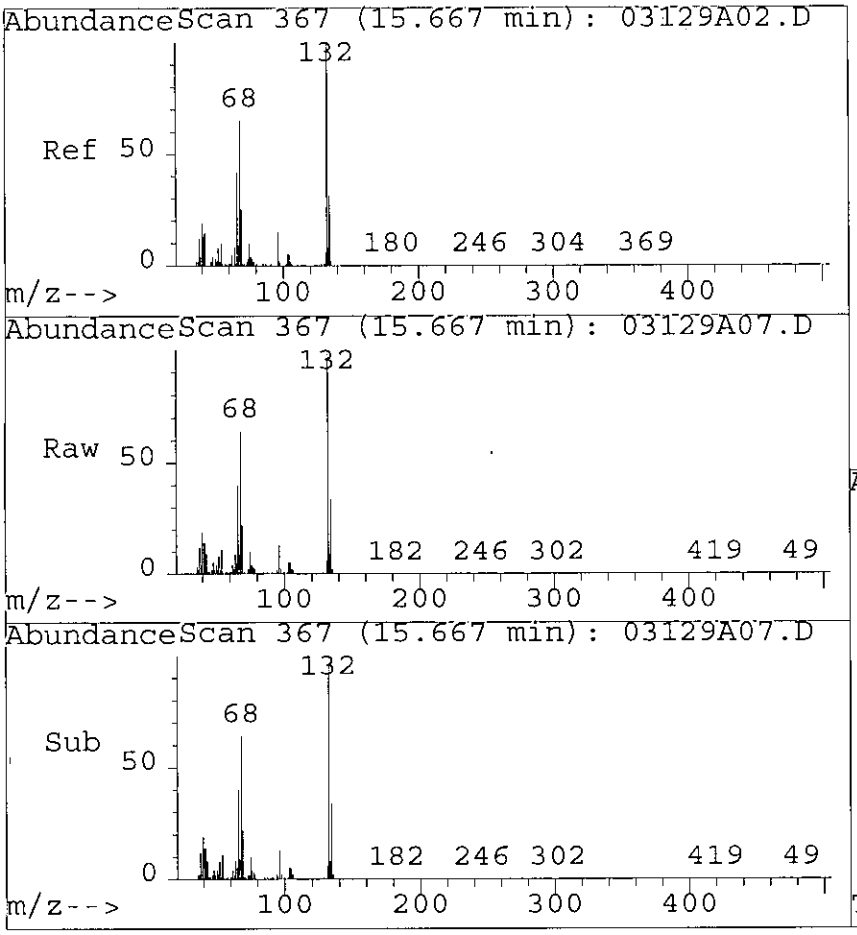


#4
PHENOL-D5
Concen: 152.66 ug/ml
RT: 15.32 min Scan# 342
Delta R.T. 0.00 min
Lab File: 03129a07.d
Acq: 12 Mar 99 4:04 pm

Tgt Ion:99 Resp: 246802

Ion	Ratio	Lower	Upper
99	100		
71	36.7	27.7	41.4
0	0.0	0.0	0.0
0	0.0	0.0	0.0

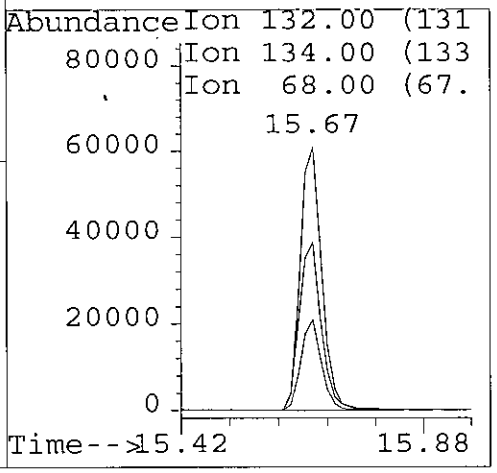


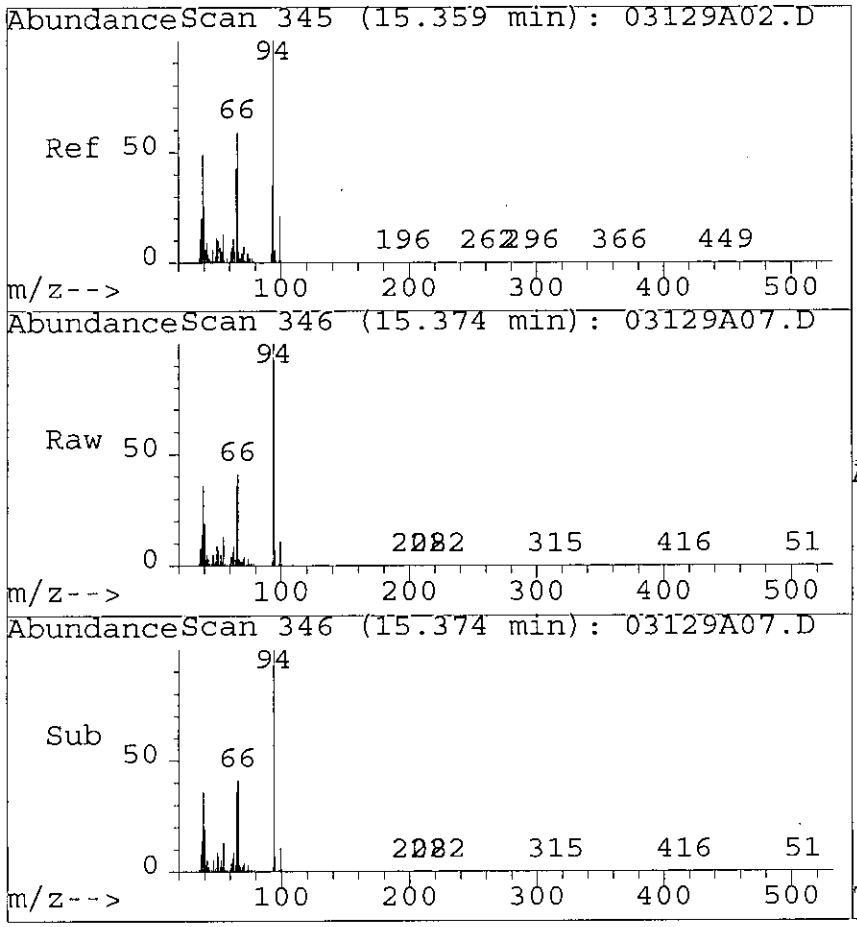


#5
2-CHLOROPHENOL-D4
Concen: 143.49 ug/ml
RT: 15.67 min Scan# 367
Delta R.T. 0.00 min
Lab File: 03129a07.d
Acq: 12 Mar 99 4:04 pm

Tgt Ion:132 Resp: 174708

Ion	Ratio	Lower	Upper
132	100		
134	34.4	24.0	35.9
68	63.7	40.0	59.9#
0	0.0	0.0	0.0

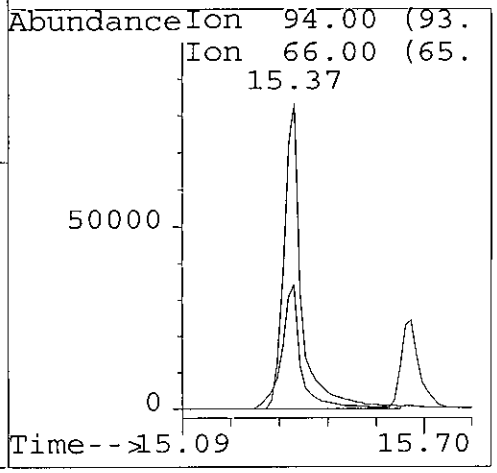


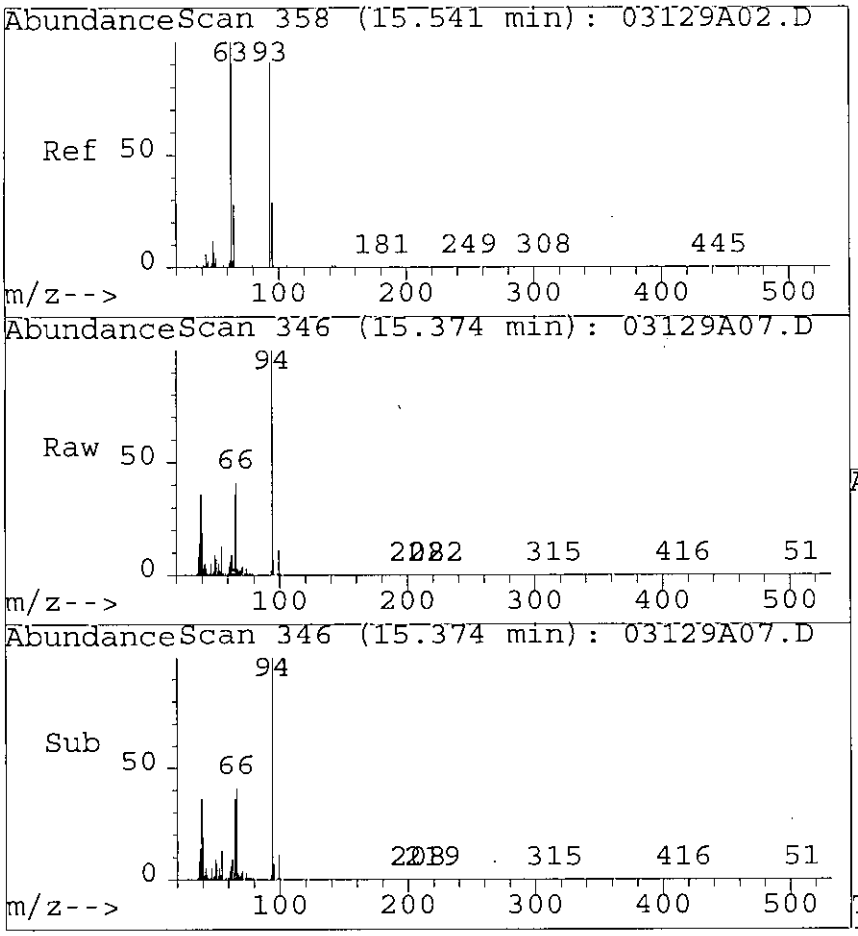


#6
PHENOL
Concen: 151.84 ug/ml
RT: 15.37 min Scan# 346
Delta R.T. 0.01 min
Lab File: 03129a07.d
Acq: 12 Mar 99 4:04 pm

Tgt Ion:94 Resp: 257407

Ion	Ratio	Lower	Upper
94	100		
66	41.1	35.1	52.6
0	0.0	0.0	0.0
0	0.0	0.0	0.0

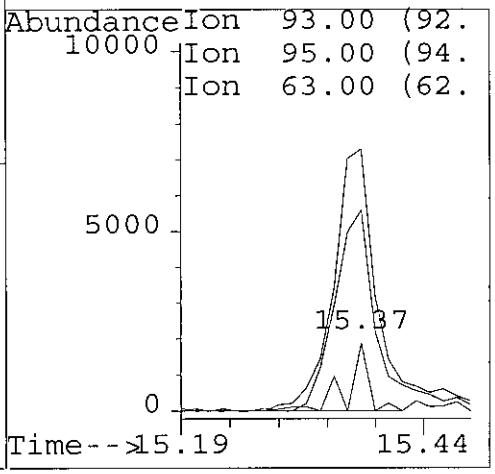


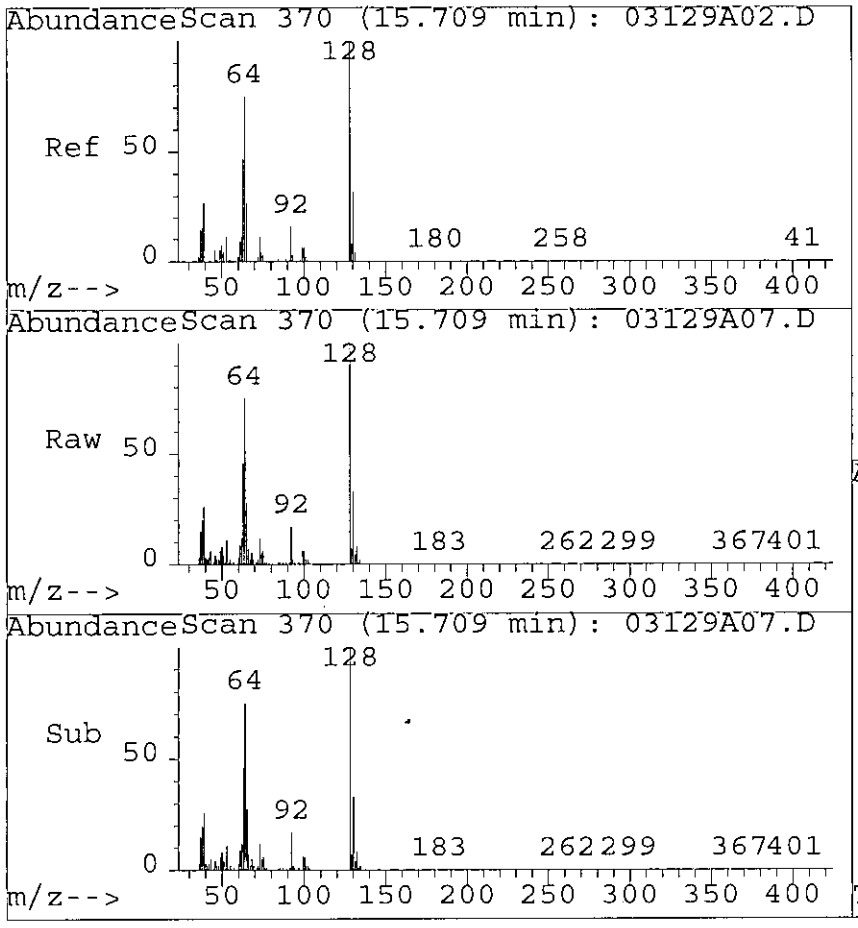


#7
BIS(2-CHLOROETHYL) ETHER
Concen: 1.67 ug/ml
RT: 15.37 min Scan# 346
Delta R.T. -0.17 min
Lab File: 03129a07.d
Acq: 12 Mar 99 4:04 pm

Tgt Ion:93 Resp: 2763

Ion	Ratio	Lower	Upper
93	100		
95	298.7	26.1	39.1#
63	390.3	60.7	91.0#
0	0.0	0.0	0.0

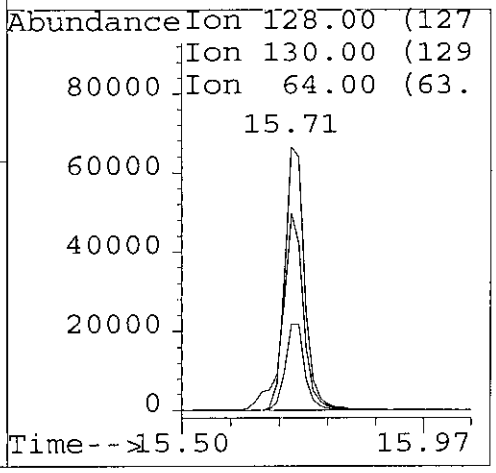


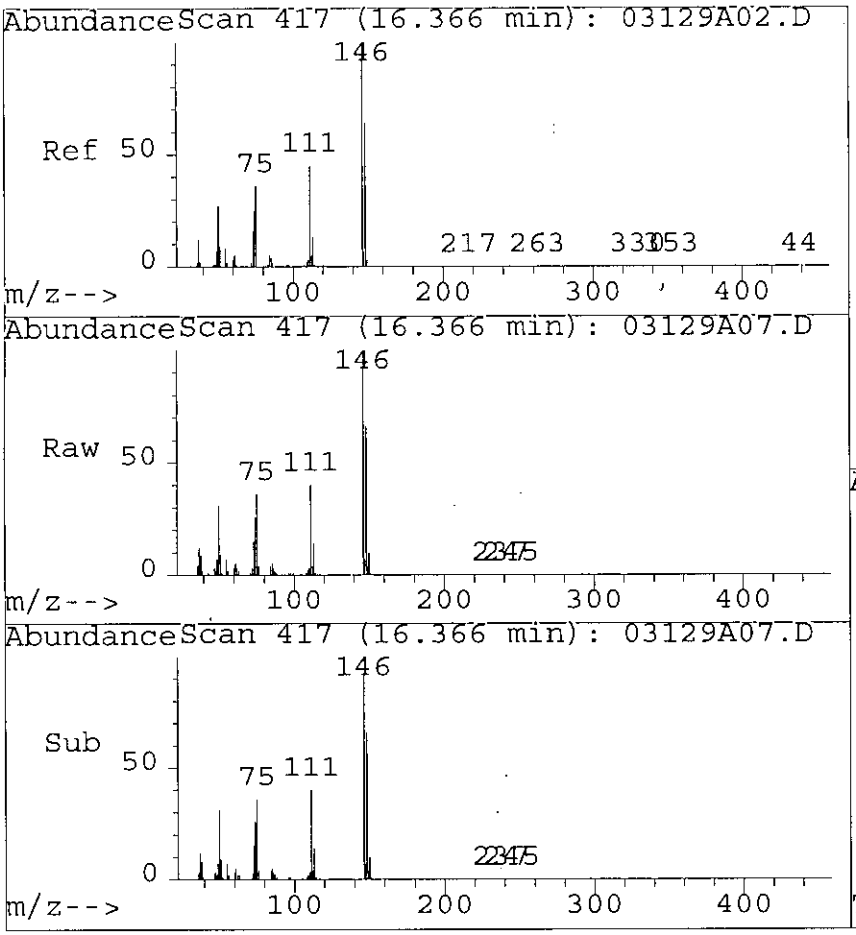


#8
2-CHLOROPHENOL
Concen: 143.99 ug/ml
RT: 15.71 min Scan# 370
Delta R.T. 0.00 min
Lab File: 03129a07.d
Acq: 12 Mar 99 4:04 pm

Tgt Ion:128 Resp: 177008

Ion	Ratio	Lower	Upper
128	100		
130	32.9	26.2	39.3
64	74.9	44.0	65.9#
0	0.0	0.0	0.0

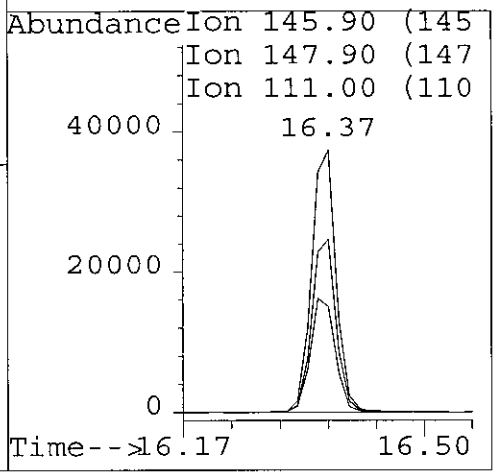


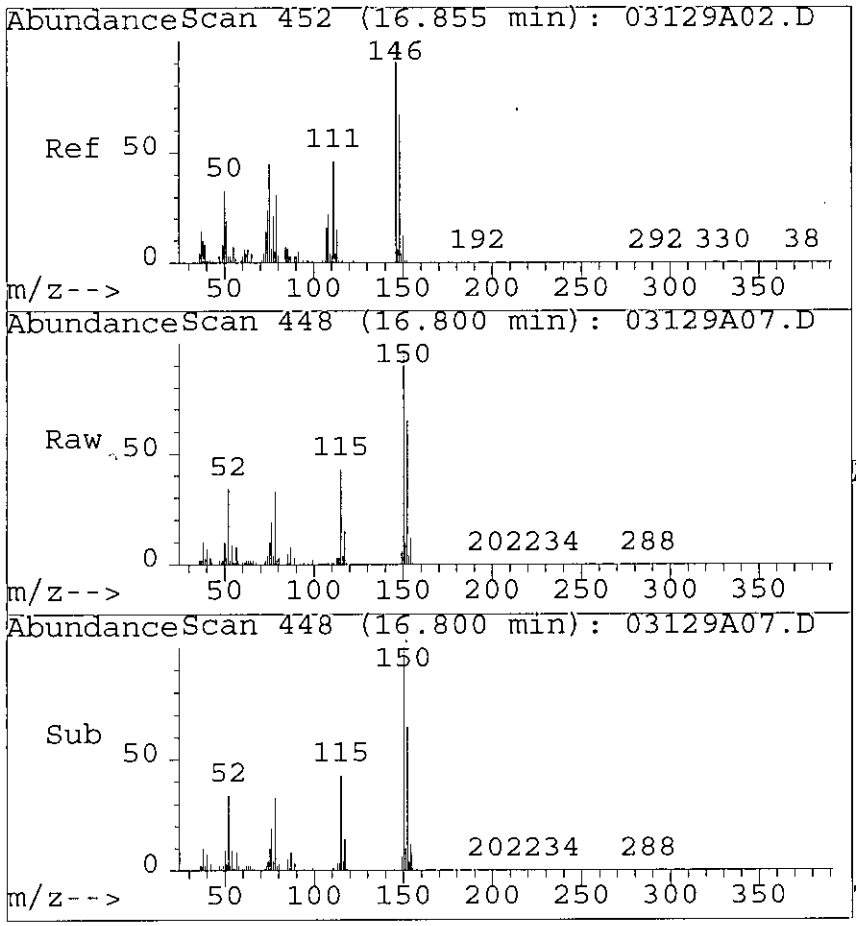


#10
1,4-DICHLOROBENZENE
Concen: 61.87 ug/ml
RT: 16.37 min Scan# 417
Delta R.T. 0.00 min
Lab File: 03129a07.d
Acq: 12 Mar 99 4:04 pm

Tgt Ion:145.9 Resp: 85712

Ion	Ratio	Lower	Upper
146	100		
148	65.9	50.1	75.2
111	40.3	37.2	55.7
0	0.0	0.0	0.0

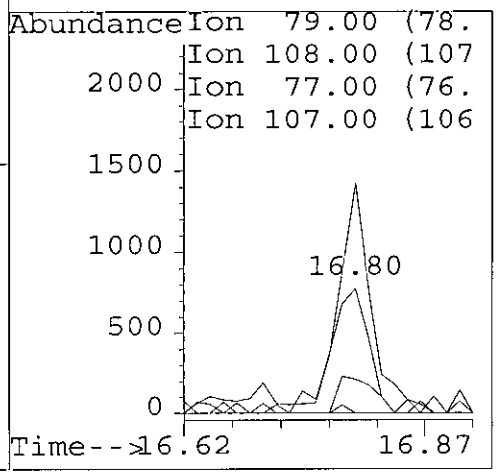


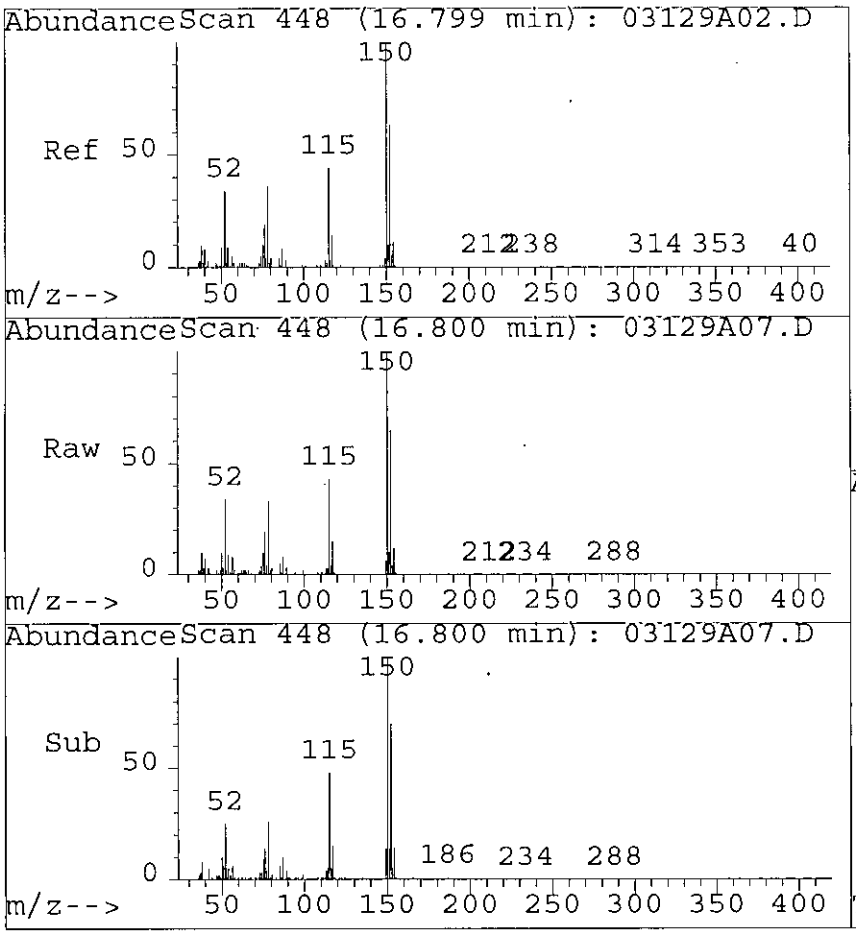


#11
BENZYL ALCOHOL
Concen: 3.14 ug/ml
RT: 16.80 min Scan# 448
Delta R.T. -0.05 min
Lab File: 03129a07.d
Acq: 12 Mar 99 4:04 pm

Tgt Ion:79 Resp: 2253

Ion	Ratio	Lower	Upper
79	100		
108	27.4	49.9	74.8#
77	184.0	53.8	80.7#
107	0.0	39.1	58.6#

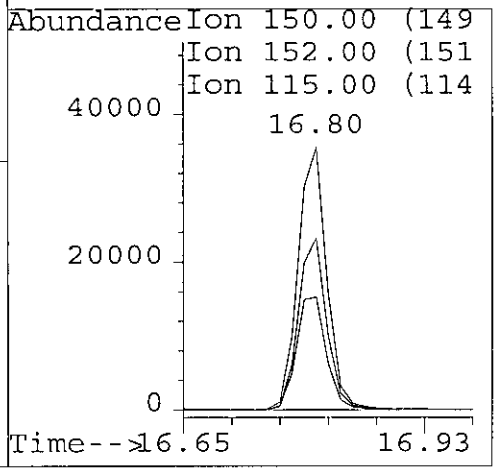


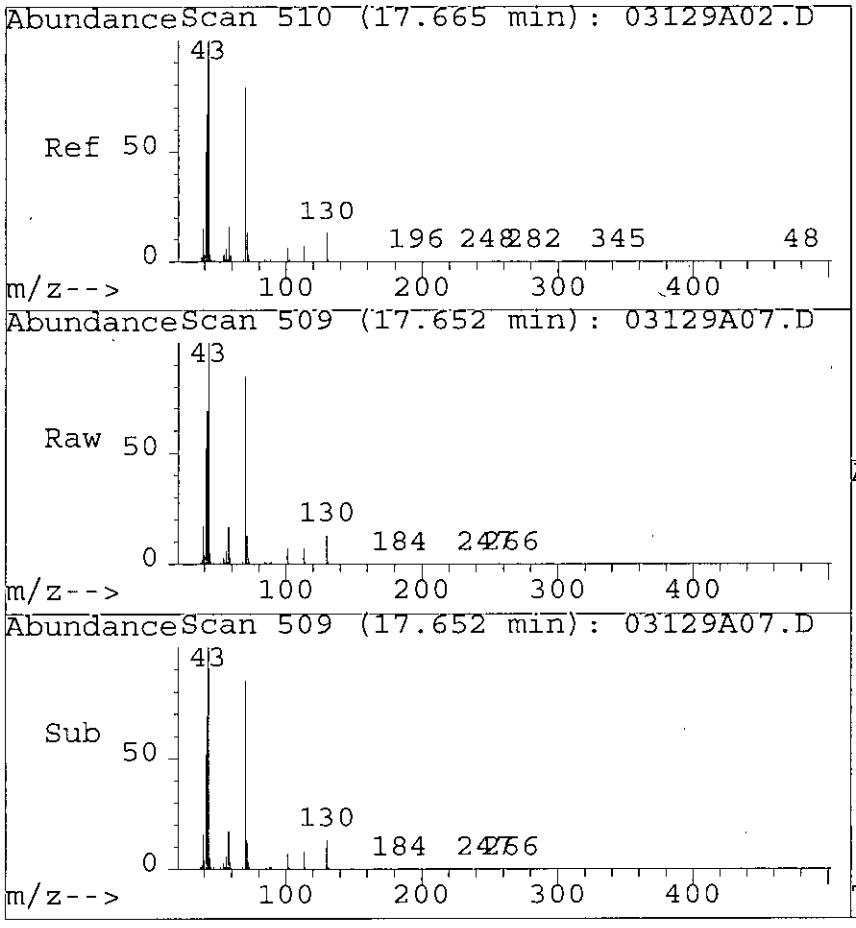


#12
1,2-DICHLOROBENZENE-D4
Concen: 58.49 ug/ml
RT: 16.80 min Scan# 448
Delta R.T. 0.00 min
Lab File: 03129a07.d
Acq: 12 Mar 99 4:04 pm

Tgt Ion:150 Resp: 82043

Ion	Ratio	Lower	Upper
150	100		
152	65.4	52.2	78.3
115	42.9	37.8	56.7
0	0.0	0.0	0.0

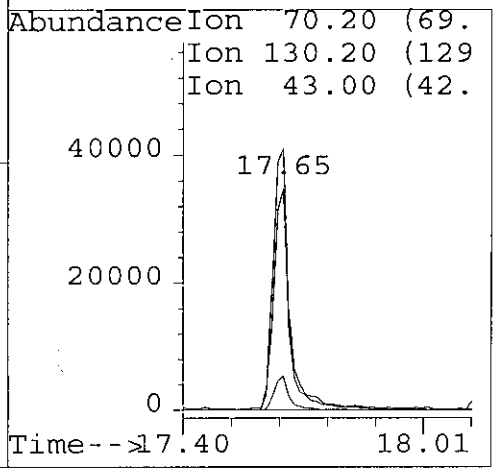


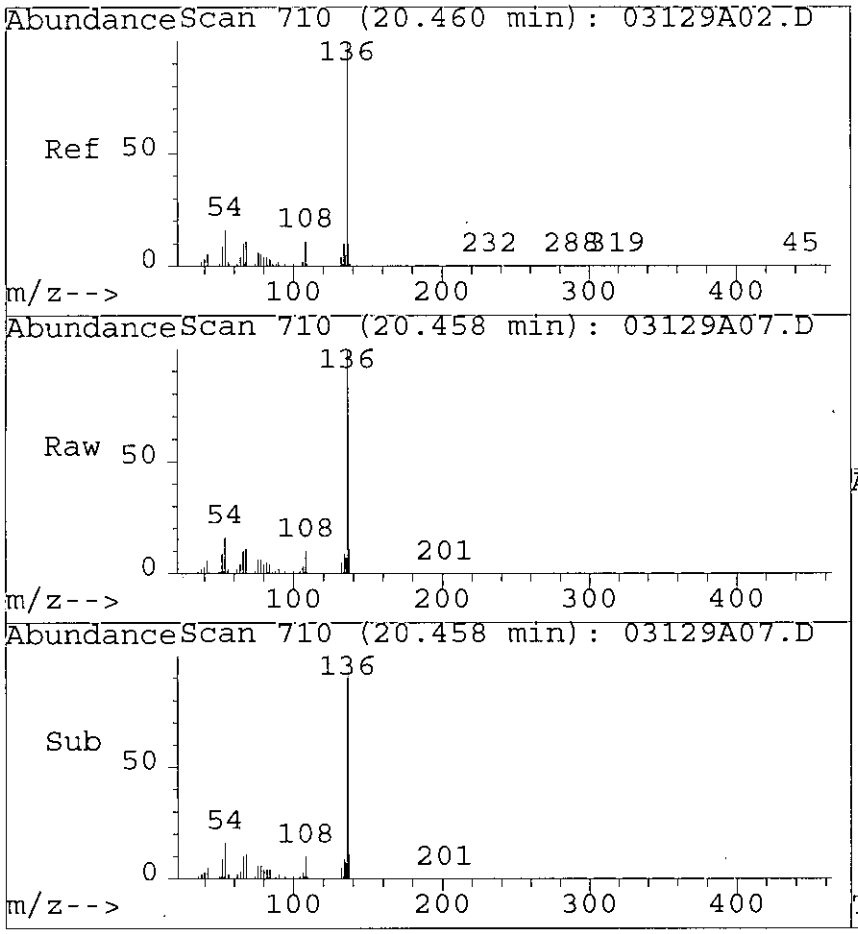


#17
N-NITROSODIPROPYLAMINE
Concen: 70.33 ug/ml
RT: 17.65 min Scan# 509
Delta R.T. -0.01 min
Lab File: 03129a07.d
Acq: 12 Mar 99 4:04 pm

Tgt Ion:70.2 Resp: 97073

Ion	Ratio	Lower	Upper
70	100		
130	15.5	13.0	19.5
43	117.9	73.0	109.5#
0	0.0	0.0	0.0

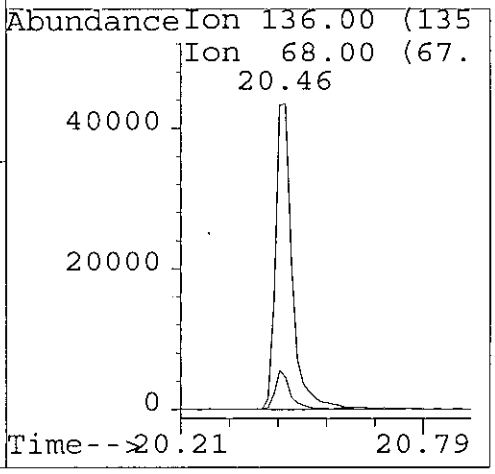


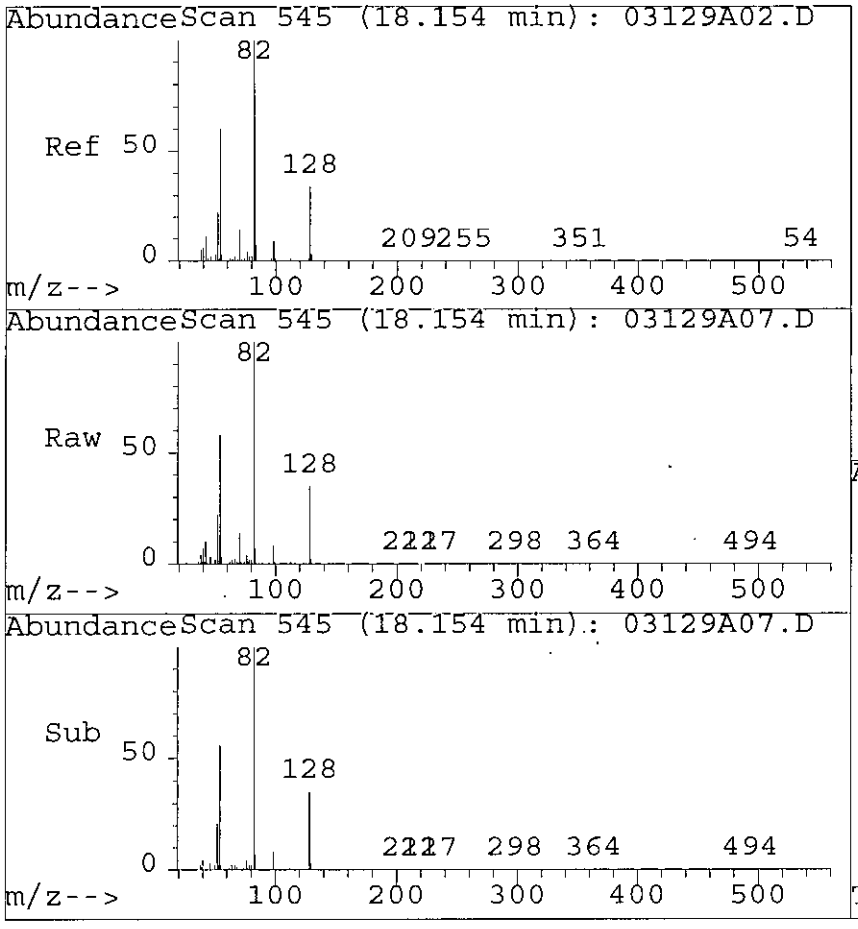


#19
NAPHTHALENE-D8
Concen: 40.00 ug/ml
RT: 20.46 min Scan# 710
Delta R.T. -0.00 min
Lab File: 03129a07.d
Acq: 12 Mar 99 4:04 pm

Tgt Ion:136 Resp: 121823

Ion	Ratio	Lower	Upper
136	100		
68	10.6	6.0	8.9#
0	0.0	0.0	0.0
0	0.0	0.0	0.0

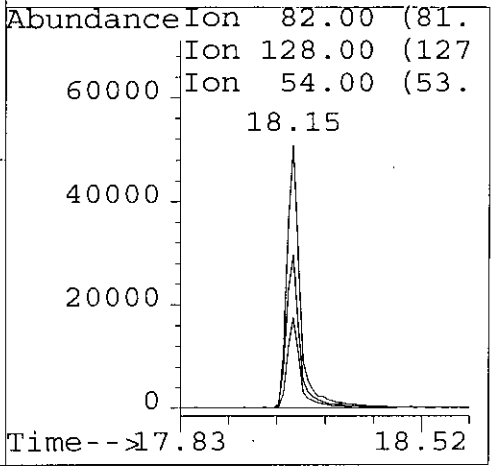


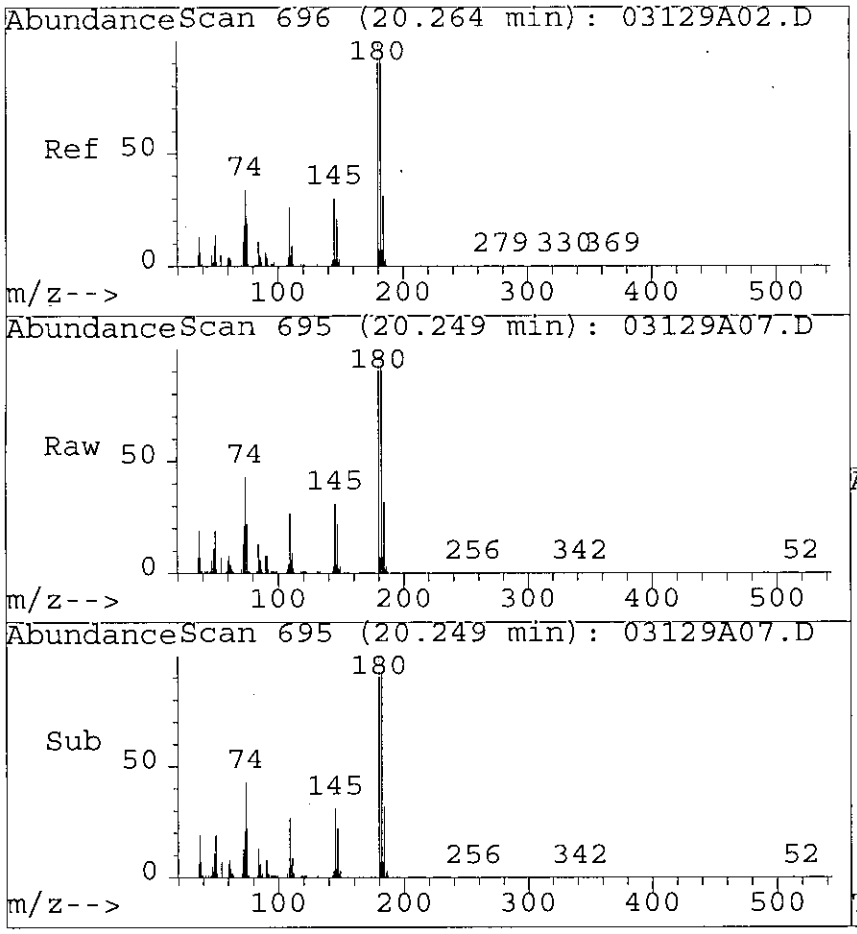


#20
NITROBENZENE-D5
Concen: 74.75 ug/ml
RT: 18.15 min Scan# 545
Delta R.T. 0.00 min
Lab File: 03129a07.d
Acq: 12 Mar 99 4:04 pm

Tgt Ion:82 Resp: 134344

Ion	Ratio	Lower	Upper
82	100		
128	34.6	34.4	51.5
54	58.5	42.9	64.4
0	0.0	0.0	0.0

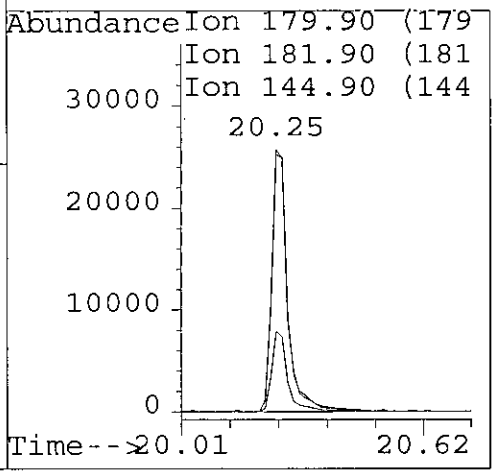


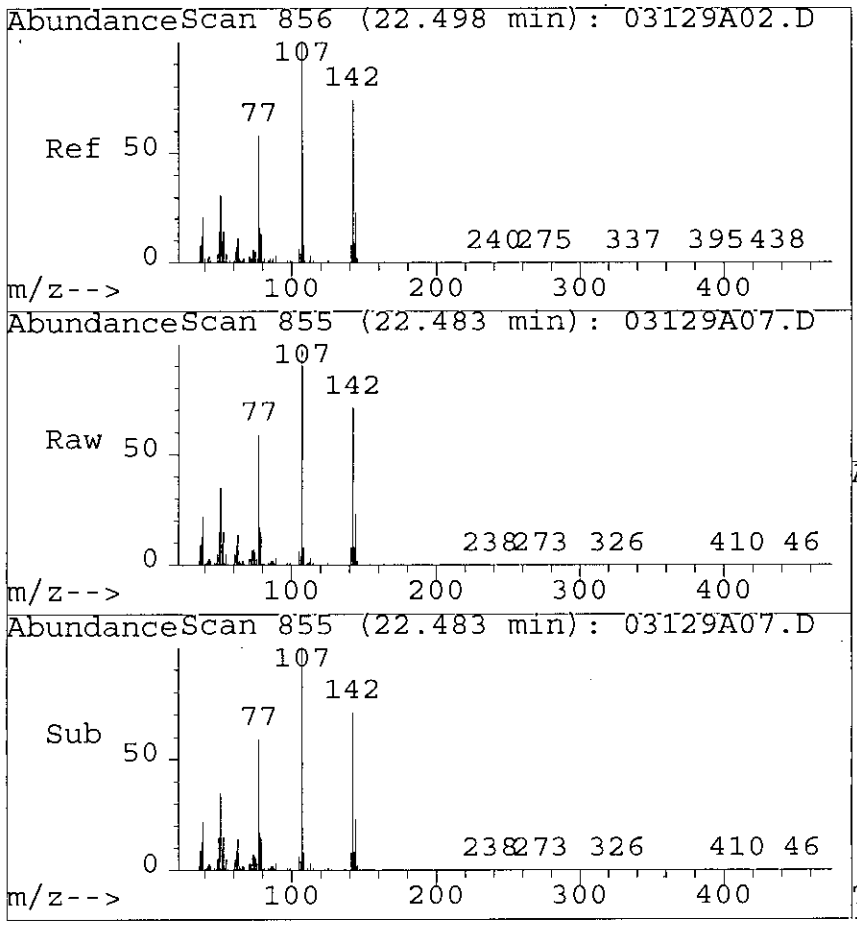


#28
1,2,4-TRICHLOROBENZENE
Concen: 71.12 ug/ml
RT: 20.25 min Scan# 695
Delta R.T. -0.02 min
Lab File: 03129a07.d
Acq: 12 Mar 99 4:04 pm

Tgt Ion:179.9 Resp: 70868

Ion	Ratio	Lower	Upper
180	100		
182	98.3	78.6	117.9
145	30.8	28.1	42.2
0	0.0	0.0	0.0

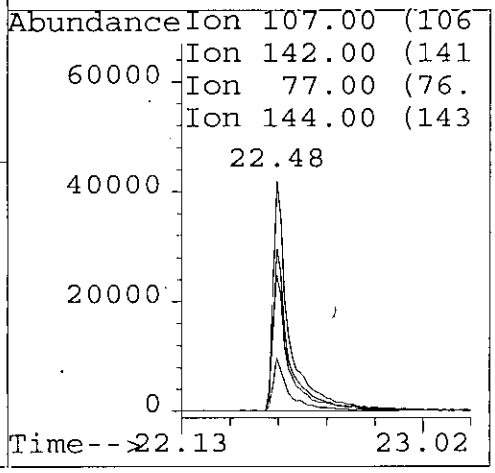


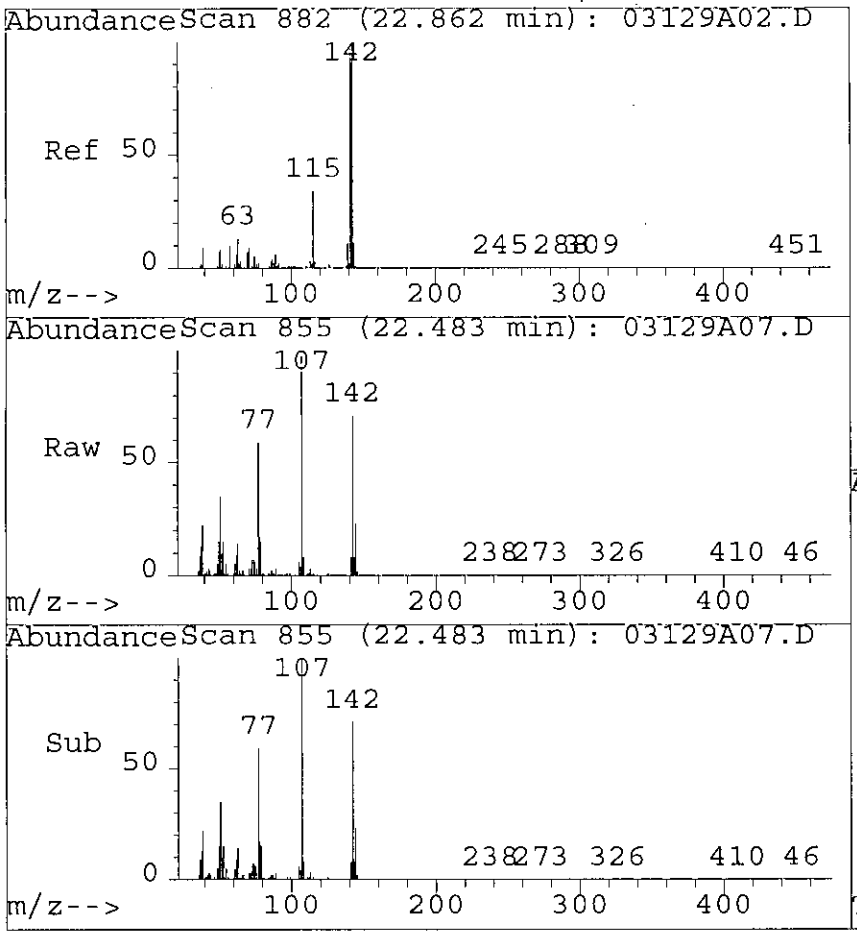


#32
4-CHLORO-3-METHYLPHENOL
Concen: 171.59 ug/ml
RT: 22.48 min Scan# 855
Delta R.T. -0.02 min
Lab File: 03129a07.d
Acq: 12 Mar 99 4:04 pm

Tgt Ion:107 Resp: 176853

Ion	Ratio	Lower	Upper
107	100		
142	70.6	54.1	81.2
77	59.2	42.1	63.2
144	23.4	17.3	26.0

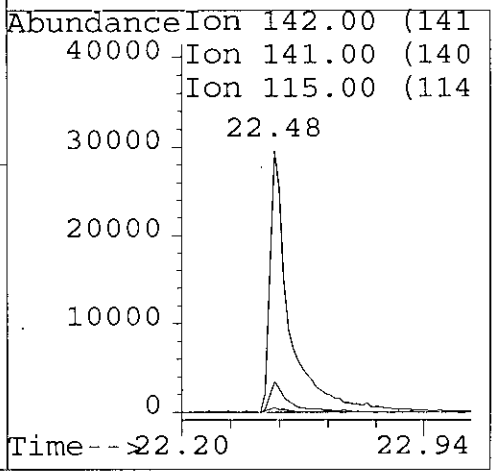


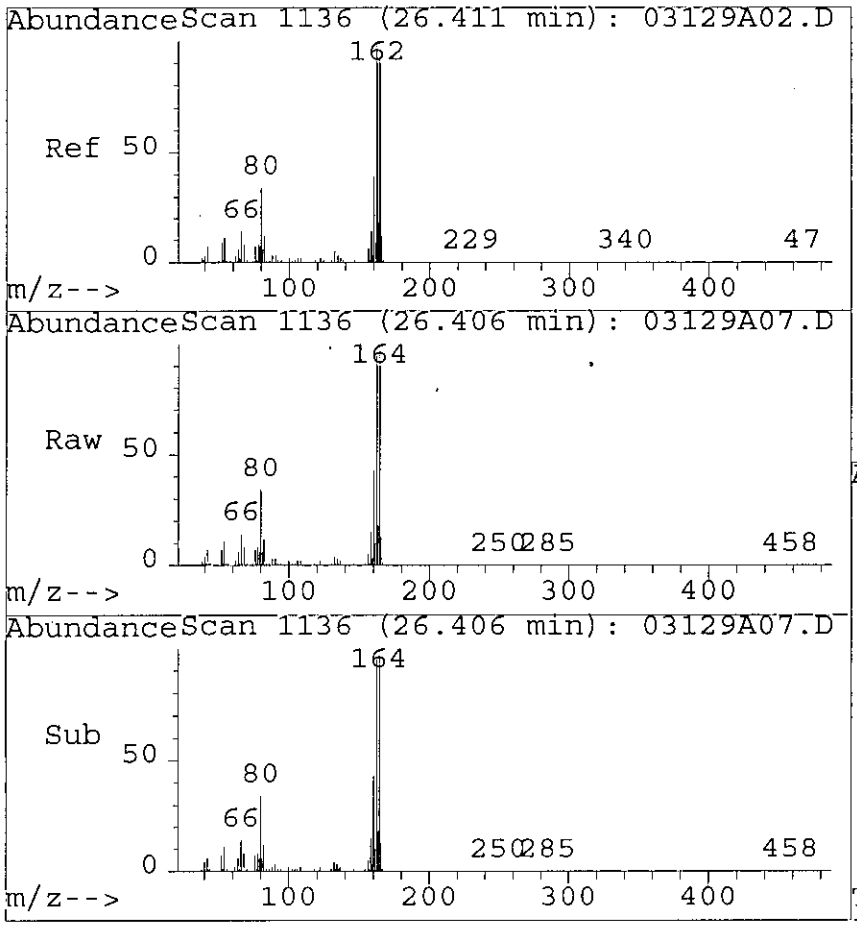


#33
2-METHYLNAPHTHALENE
Concen: 60.15 ug/ml
RT: 22.48 min Scan# 855
Delta R.T. -0.38 min
Lab File: 03129a07.d
Acq: 12 Mar 99 4:04 pm

Tgt Ion:142 Resp: 122181

Ion	Ratio	Lower	Upper
142	100		
141	11.6	80.3	120.4#
115	1.8	28.0	41.9#
0	0.0	0.0	0.0

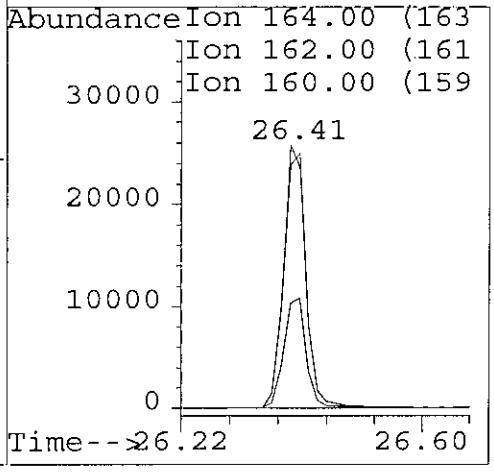


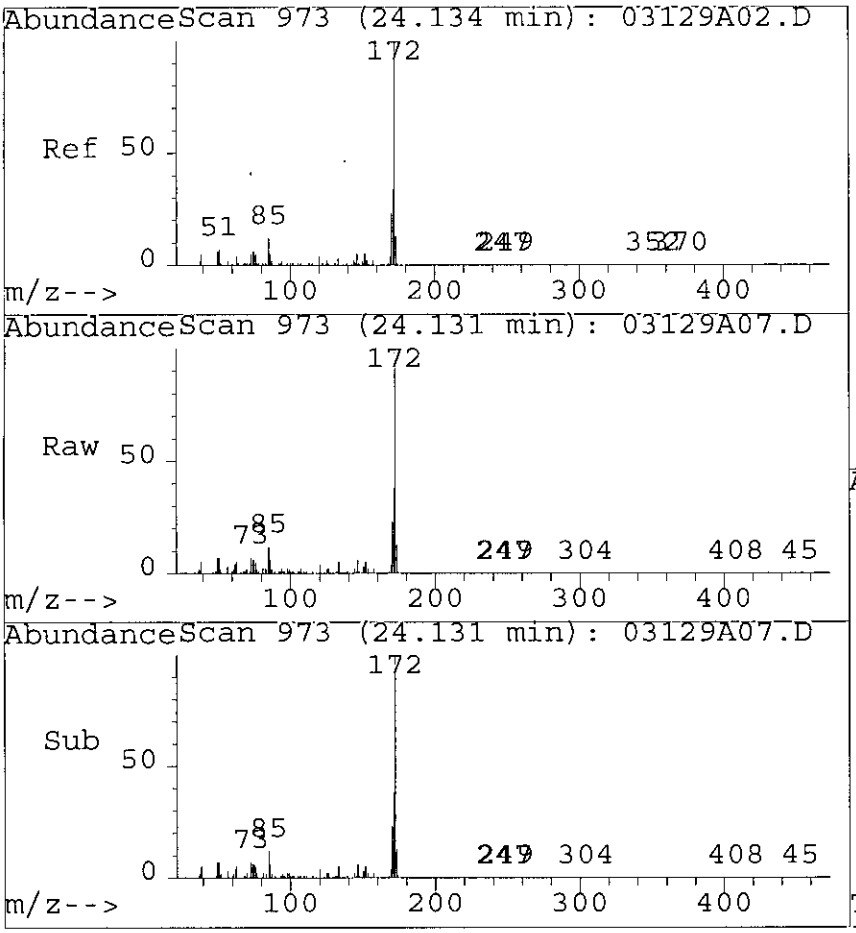


#34
ACENAPHTHENE-D10
Concen: 40.00 ug/ml
RT: 26.41 min Scan# 1136
Delta R.T. -0.00 min
Lab File: 03129a07.d
Acq: 12 Mar 99 4:04 pm

Tgt Ion:164 Resp: 60192

Ion	Ratio	Lower	Upper
164	100		
162	94.7	82.3	123.4
160	43.2	33.6	50.3
0	0.0	0.0	0.0

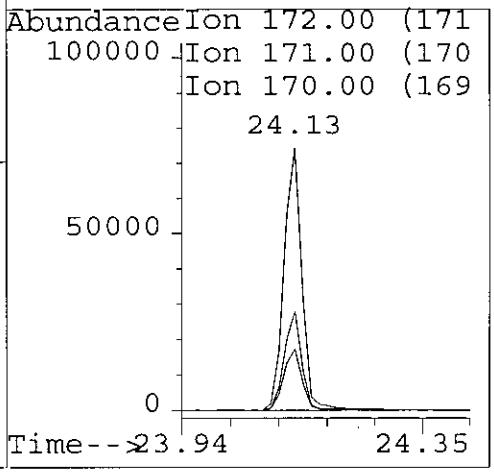


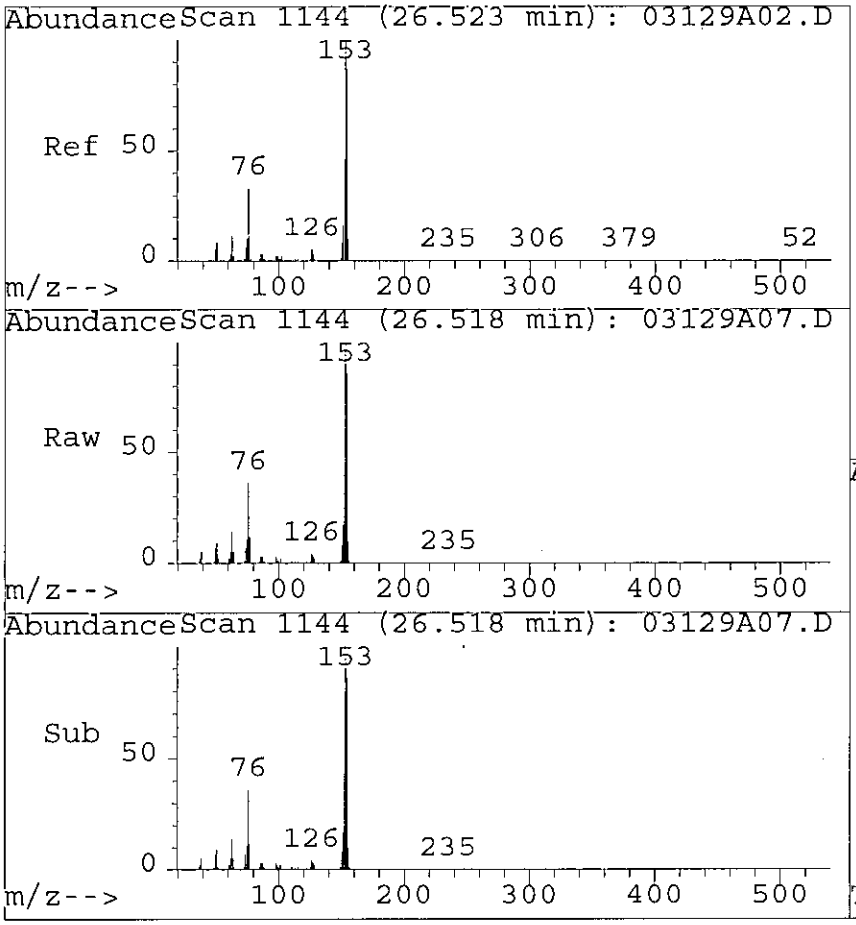


#38
FLUOROBIPHENYL
Concen: 79.05 ug/ml
RT: 24.13 min Scan# 973
Delta R.T. -0.00 min
Lab File: 03129a07.d
Acq: 12 Mar 99 4:04 pm

Tgt Ion:172 Resp: 159395

Ion	Ratio	Lower	Upper
172	100		
171	37.7	30.5	45.8
170	23.4	18.4	27.5
0	0.0	0.0	0.0

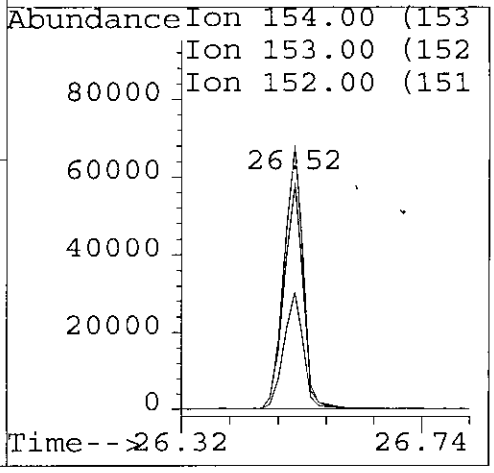


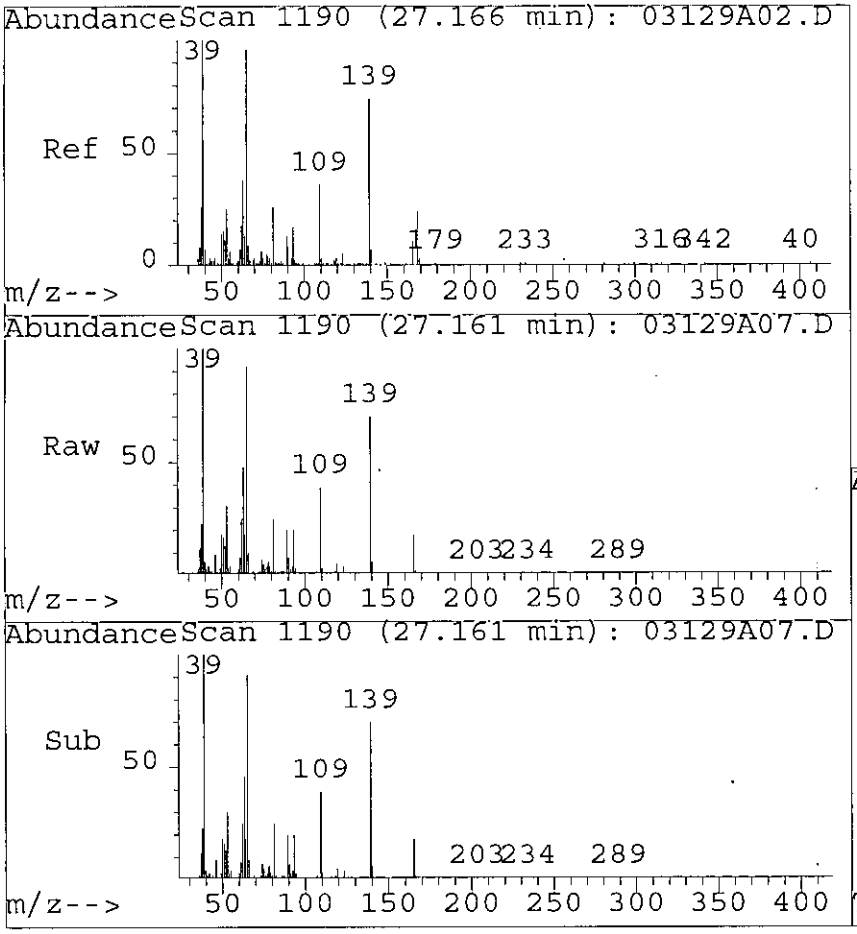


#45
ACENAPHTHENE
Concen: 79.98 ug/ml
RT: 26.52 min Scan# 1144
Delta R.T. -0.00 min
Lab File: 03129a07.d
Acq: 12 Mar 99 4:04 pm

Tgt Ion:154 Resp: 135258

Ion	Ratio	Lower	Upper
154	100		
153	116.7	97.8	146.7
152	52.1	46.8	70.1
0	0.0	0.0	0.0

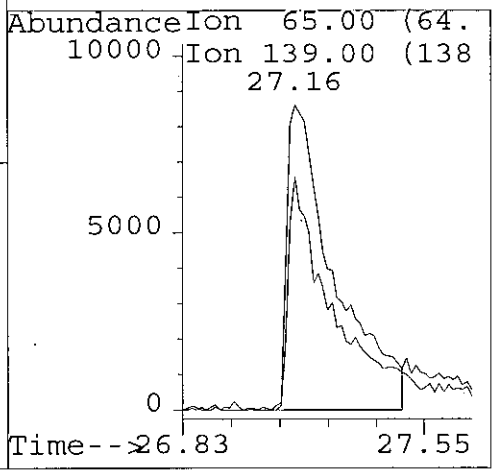


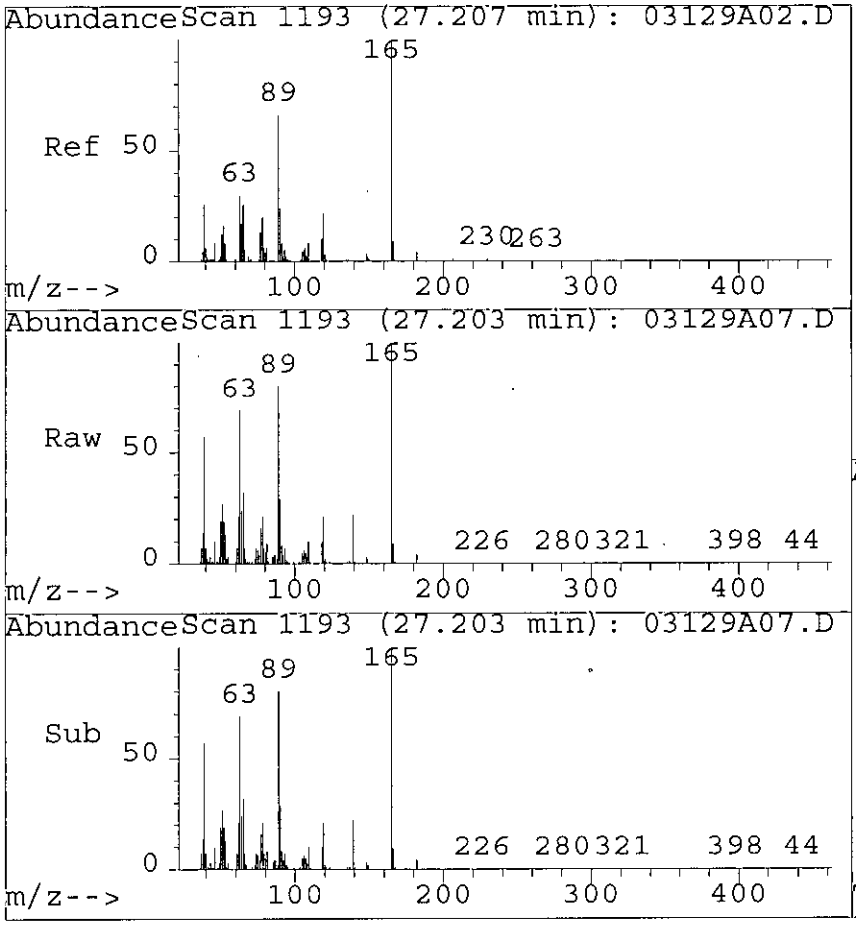


#48
4-NITROPHENOL
Concen: 199.08 ug/ml
RT: 27.16 min Scan# 1190
Delta R.T. -0.00 min
Lab File: 03129a07.d
Acq: 12 Mar 99 4:04 pm

Tgt Ion:65 Resp: 84507

Ion	Ratio	Lower	Upper
65	100		
139	76.3	92.9	139.4#
0	0.0	0.0	0.0
0	0.0	0.0	0.0

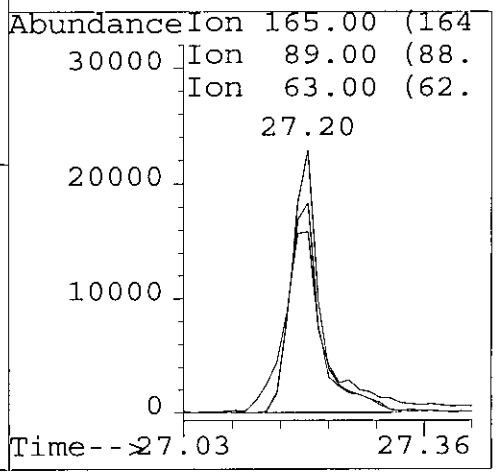


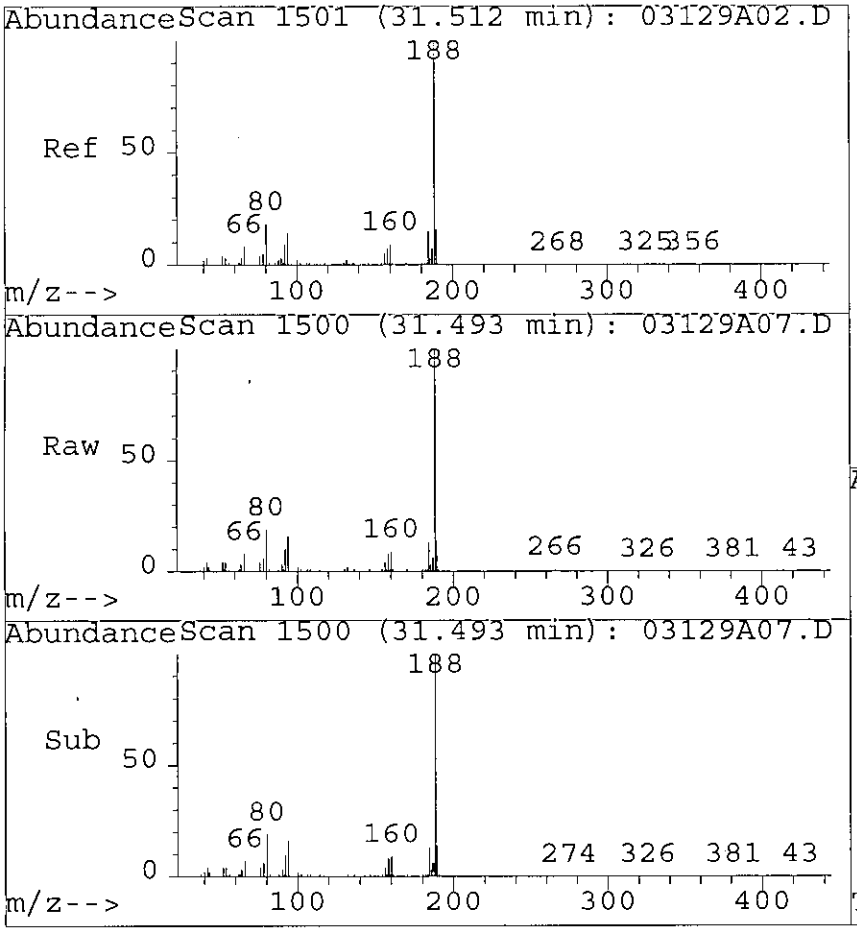


#49
2,4-DINITROTOLUENE
Concen: 83.61 ug/ml
RT: 27.20 min Scan# 1193
Delta R.T. -0.00 min
Lab File: 03129a07.d
Acq: 12 Mar 99 4:04 pm

Tgt Ion:165 Resp: 61485

Ion	Ratio	Lower	Upper
165	100		
89	80.2	66.3	99.4
63	69.2	42.4	63.5#
0	0.0	0.0	0.0

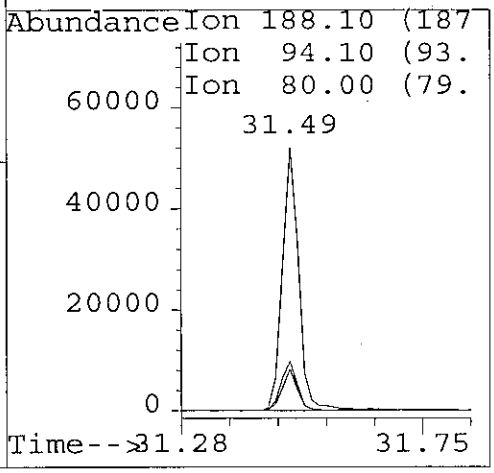


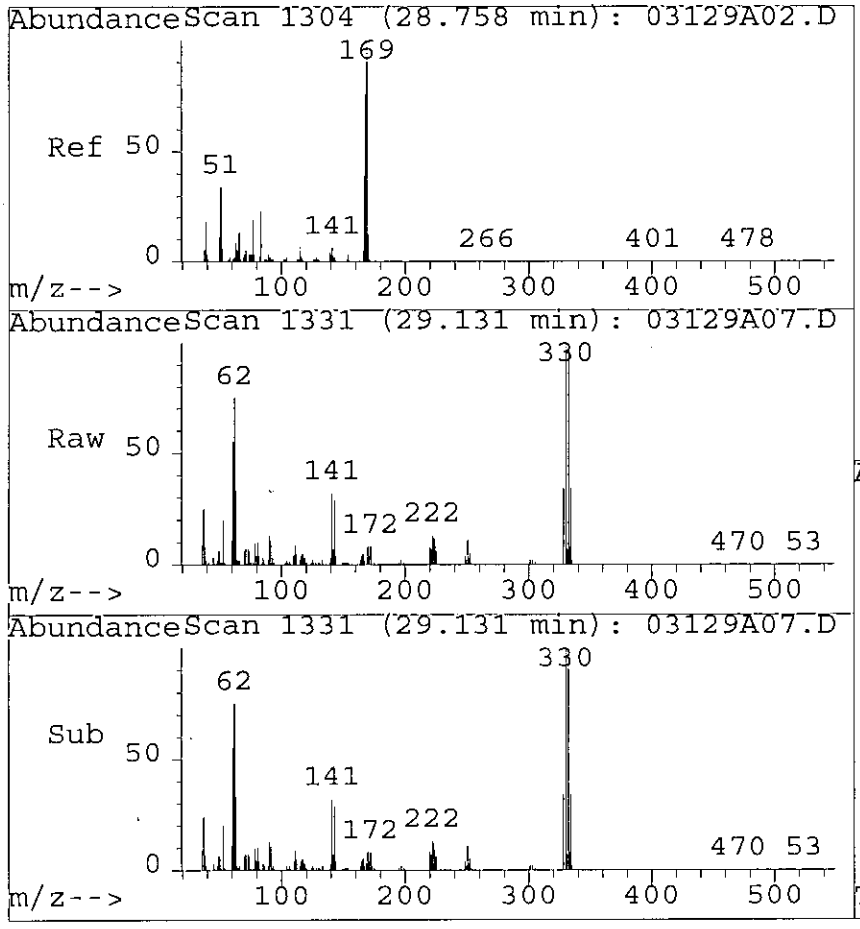


#54
PHENANTHRENE-D10
Concen: 40.00 ug/ml
RT: 31.49 min Scan# 1500
Delta R.T. -0.02 min
Lab File: 03129a07.d
Acq: 12 Mar 99 4:04 pm

Tgt Ion:188.1 Resp: 115105

Ion	Ratio	Lower	Upper
188	100		
94	15.9	11.6	17.3
80	18.8	13.7	20.5
0	0.0	0.0	0.0

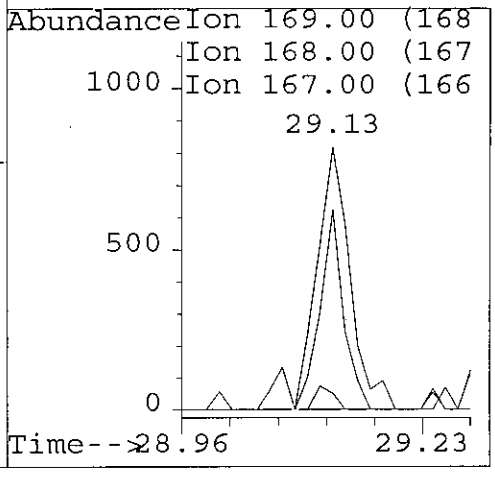


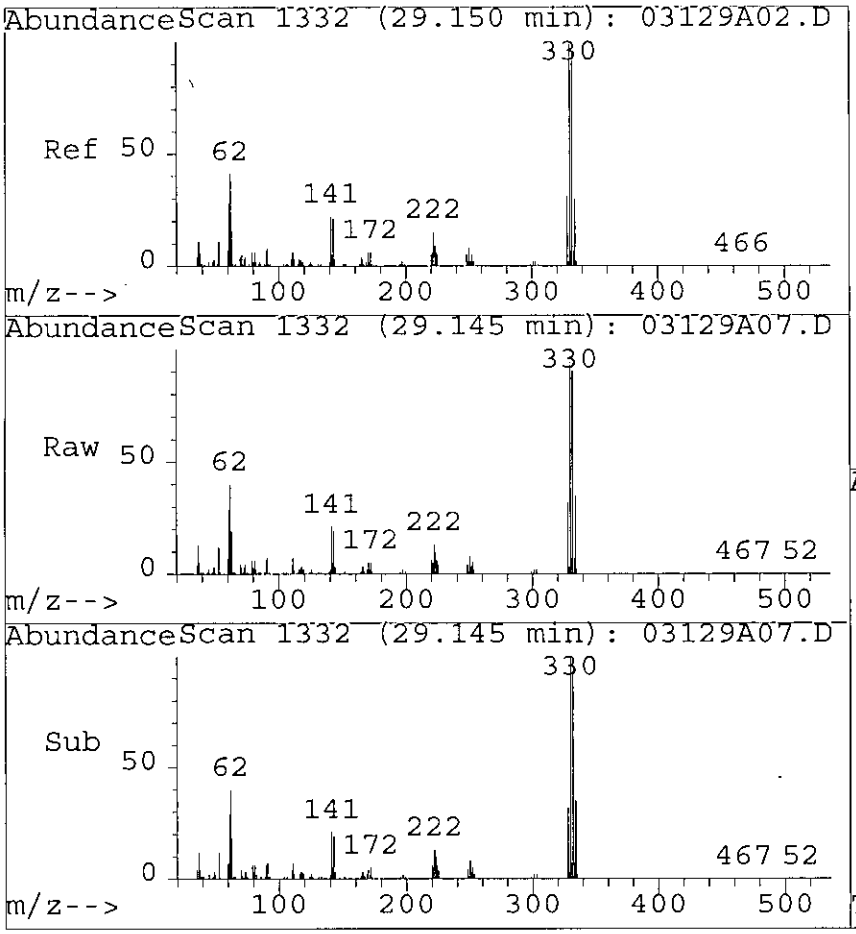


#56
N-NITROSODIPHENYLAMINE
Concen: 1.70 ug/ml
RT: 29.13 min Scan# 1331
Delta R.T. 0.37 min
Lab File: 03129a07.d
Acq: 12 Mar 99 4:04 pm

Tgt Ion:169 Resp: 2270

Ion	Ratio	Lower	Upper
169	100		
168	6.4	60.5	90.7#
167	76.4	31.4	47.1#
0	0.0	0.0	0.0

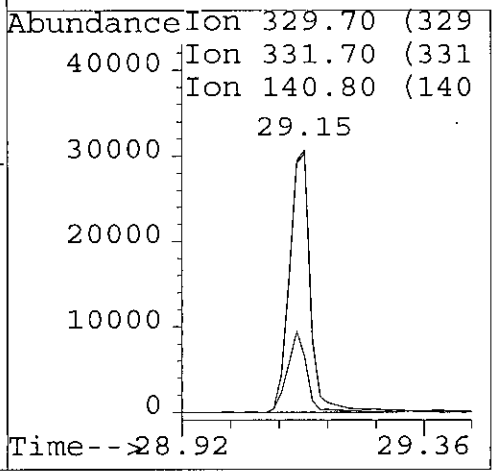


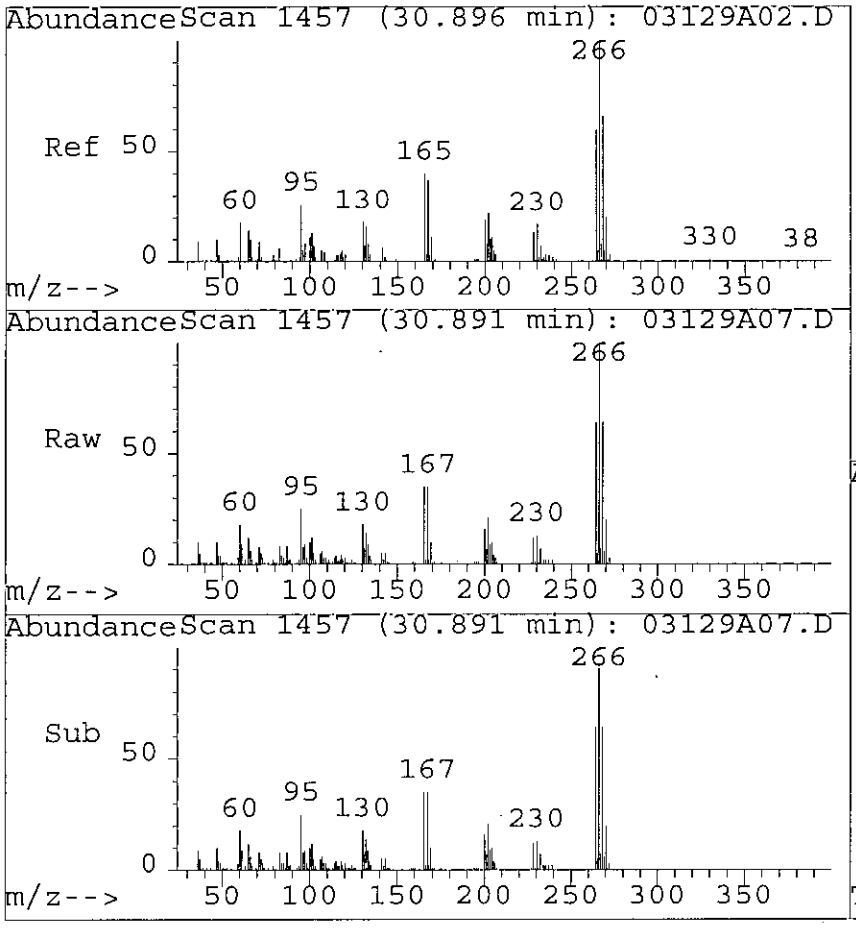


#58
2,4,6-TRIBROMOPHENOL
Concen: 177.55 ug/ml
RT: 29.15 min Scan# 1332
Delta R.T. -0.00 min
Lab File: 03129a07.d
Acq: 12 Mar 99 4:04 pm

Tgt Ion:329.7 Resp: 81753

Ion	Ratio	Lower	Upper
330	100		
332	98.8	69.7	104.5
141	21.0	30.9	46.4#
0	0.0	0.0	0.0

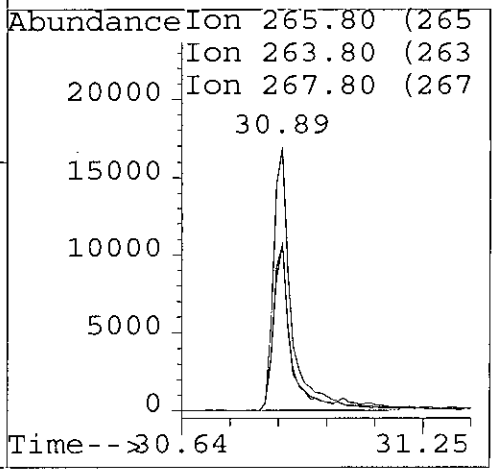


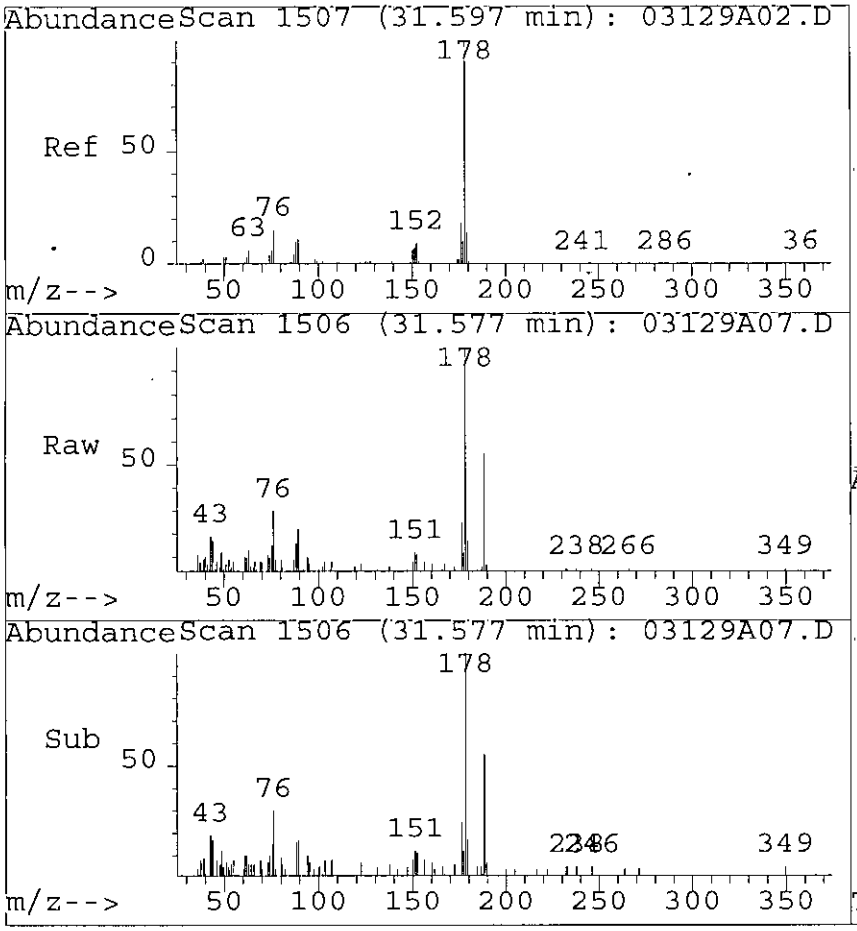


#63
PENTACHLOROPHENOL
Concen: 135.85 ug/ml
RT: 30.89 min Scan# 1457
Delta R.T. -0.01 min
Lab File: 03129a07.d
Acq: 12 Mar 99 4:04 pm

Tgt Ion:265.8 Resp: 54899

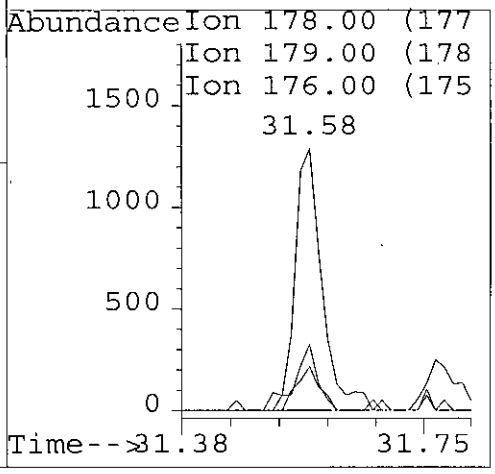
Ion	Ratio	Lower	Upper
266	100		
264	63.7	55.2	82.7
268	63.9	49.1	73.6
0	0.0	0.0	0.0

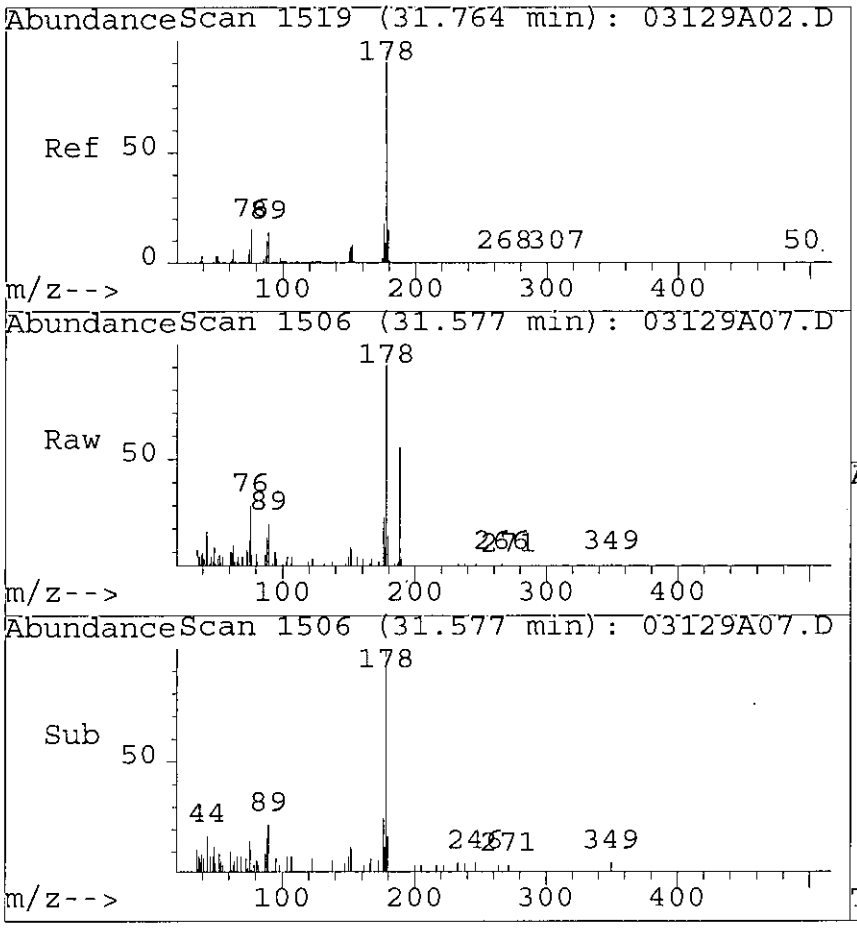




#65
PHENANTHRENE
Concen: 1.27 ug/ml
RT: 31.58 min Scan# 1506
Delta R.T. -0.02 min
Lab File: 03129a07.d
Acq: 12 Mar 99 4:04 pm

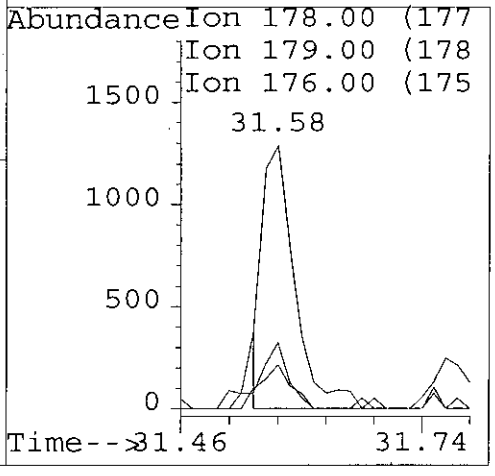
Tgt Ion:178	Resp:	3830
Ion	Ratio	Lower	Upper
178	100		
179	16.8	11.5	17.2
176	25.2	15.3	23.0#
0	0.0	0.0	0.0

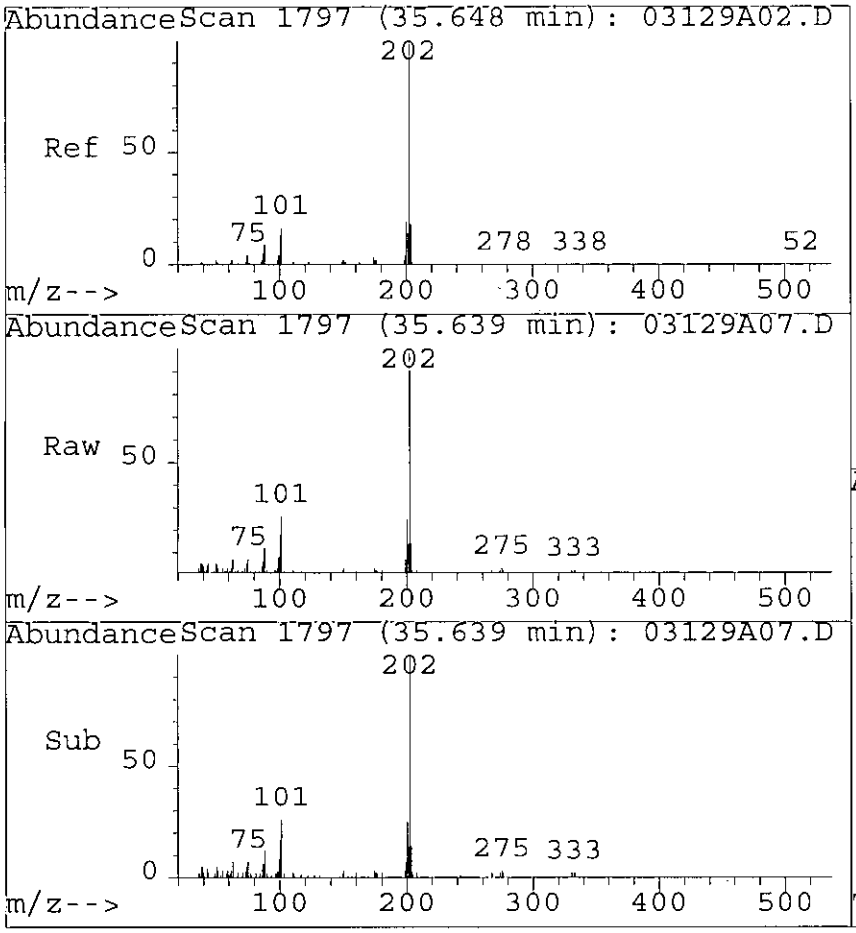




#66
ANTHRACENE
Concen: 1.14 ug/ml
RT: 31.58 min Scan# 1506
Delta R.T. -0.19 min
Lab File: 03129a07.d
Acq: 12 Mar 99 4:04 pm

Tgt Ion:178	Resp:	3380
Ion	Ratio	Lower	Upper
178	100		
179	16.8	12.3	18.4
176	25.2	14.6	21.9#
0	0.0	0.0	0.0

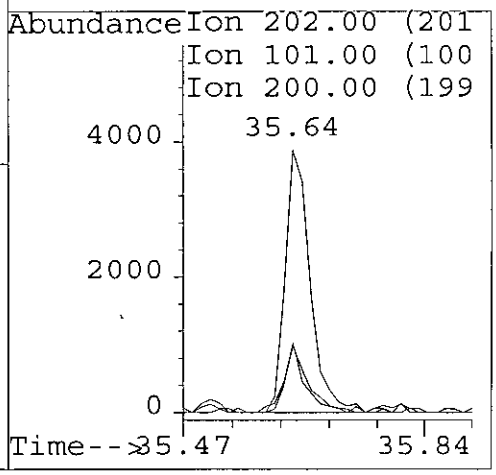


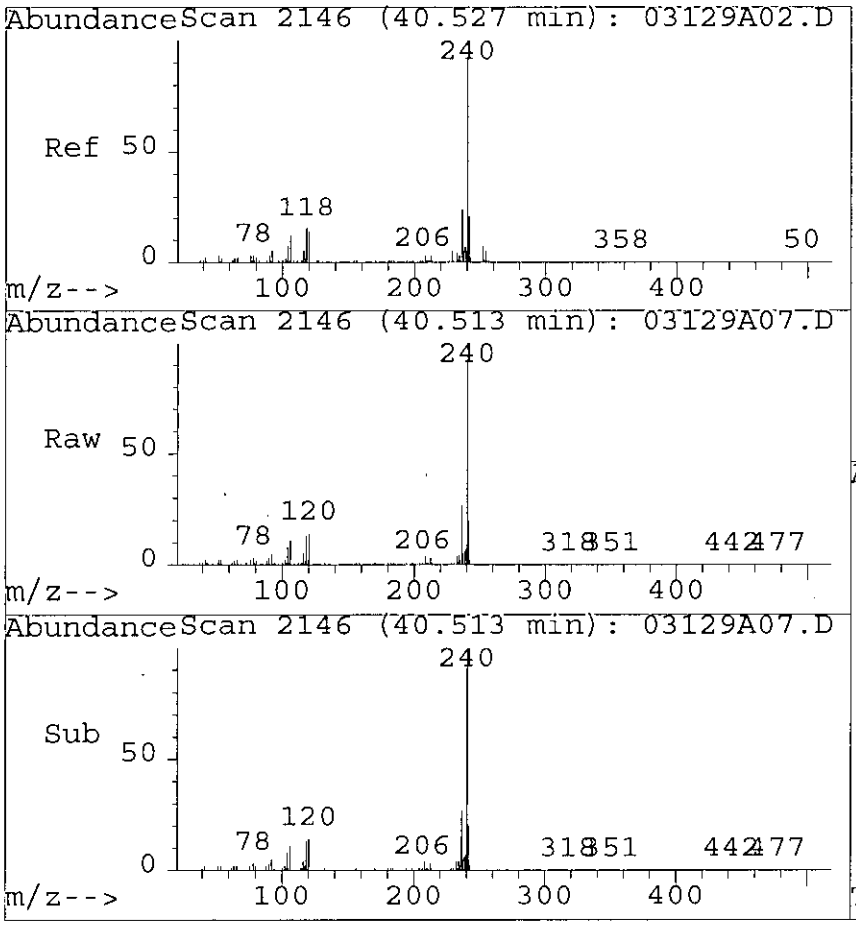


#73
FLUORANTHENE
Concen: 3.23 ug/ml
RT: 35.64 min Scan# 1797
Delta R.T. -0.01 min
Lab File: 03129a07.d
Acq: 12 Mar 99 4:04 pm

Tgt Ion:202 Resp: 10418

Ion	Ratio	Lower	Upper
202	100		
101	26.5	15.4	23.1#
200	25.4	16.2	24.3#
0	0.0	0.0	0.0

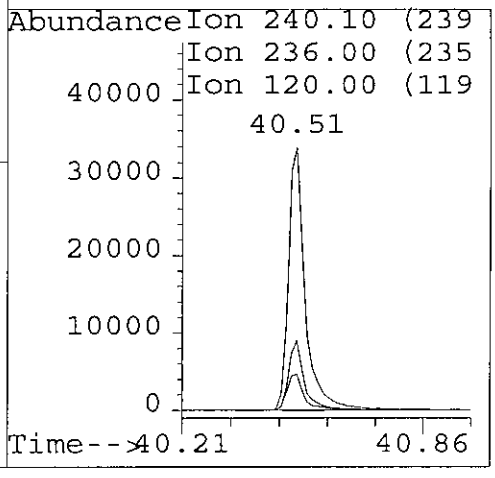


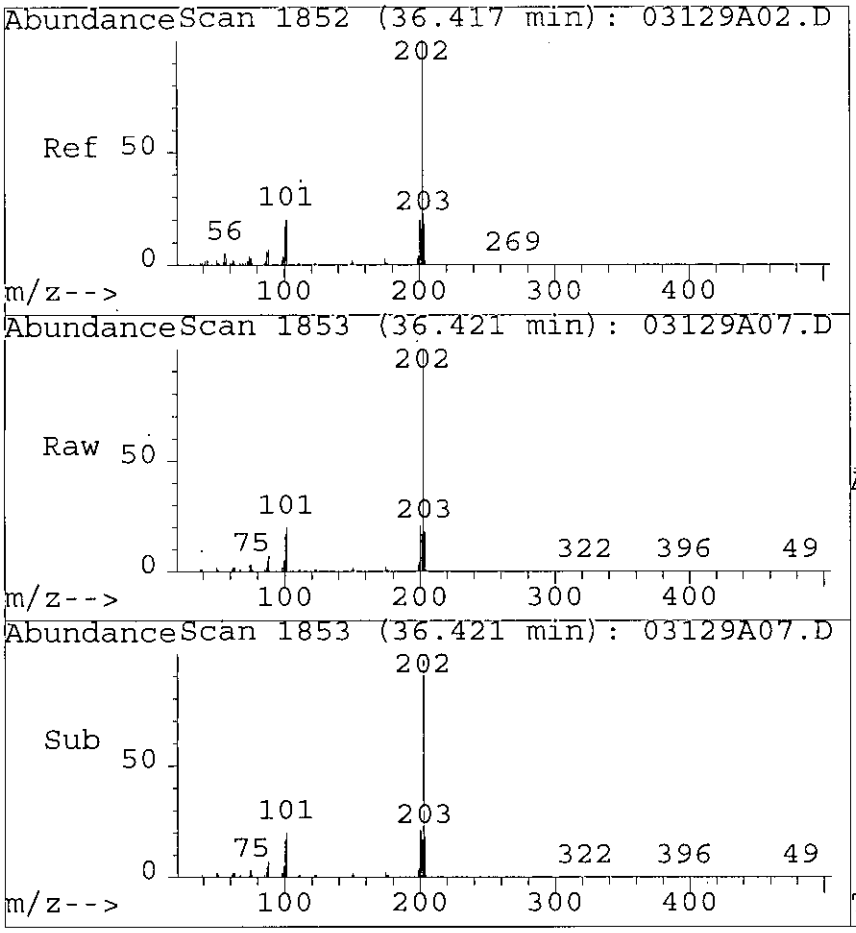


#74
CHRYSENE-D12
Concen: 40.00 ug/ml
RT: 40.51 min Scan# 2146
Delta R.T. -0.01 min
Lab File: 03129a07.d
Acq: 12 Mar 99 4:04 pm

Tgt Ion:240.1 Resp: 107639

Ion	Ratio	Lower	Upper
240	100		
236	26.6	20.6	30.9
120	13.9	17.5	26.2#
0	0.0	0.0	0.0

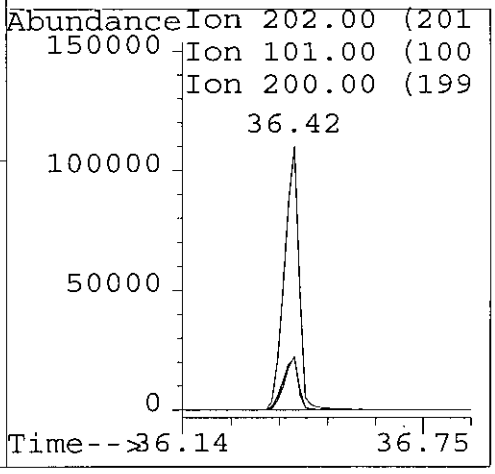


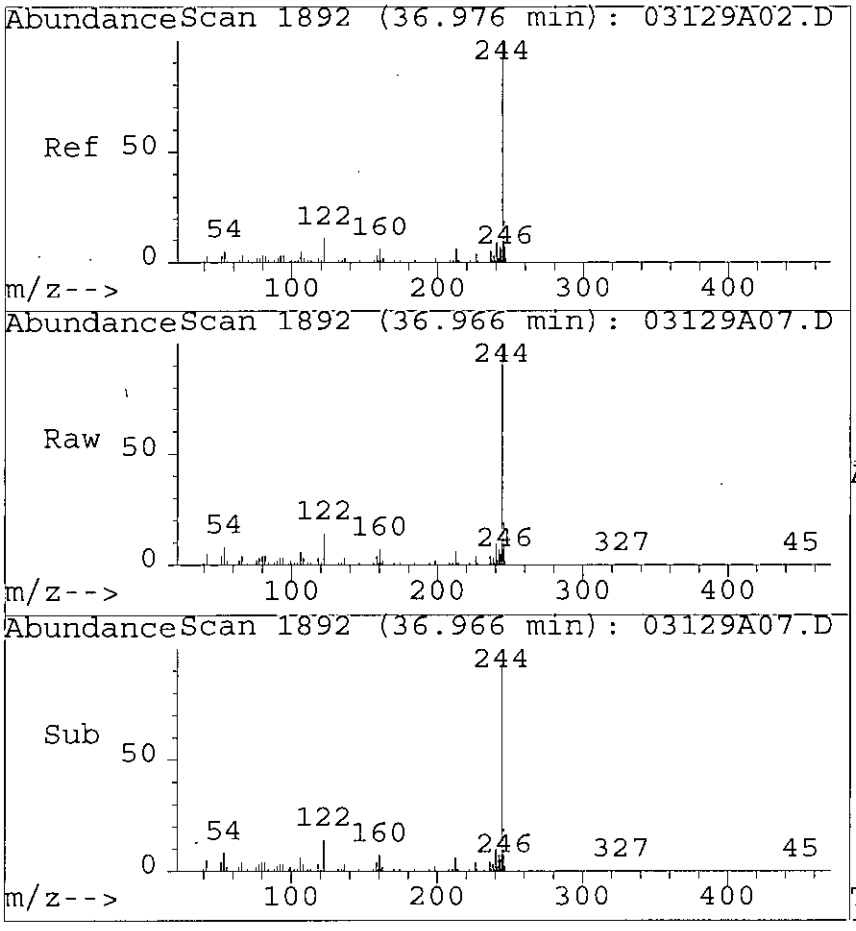


#75
PYRENE
Concen: 87.50 ug/ml
RT: 36.42 min Scan# 1853
Delta R.T. 0.00 min
Lab File: 03129a07.d
Acq: 12 Mar 99 4:04 pm

Tgt Ion:202 Resp: 282191

Ion	Ratio	Lower	Upper
202	100		
101	19.8	18.5	27.8
200	20.5	16.4	24.5
0	0.0	0.0	0.0

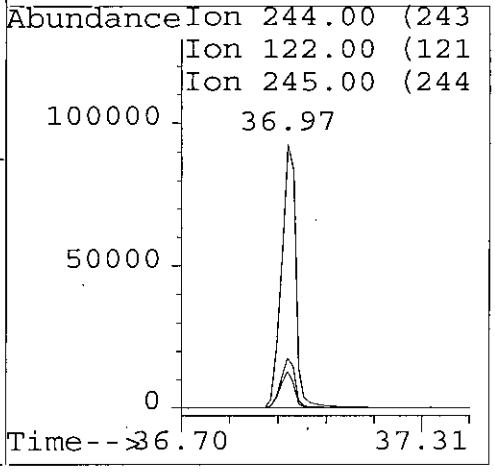


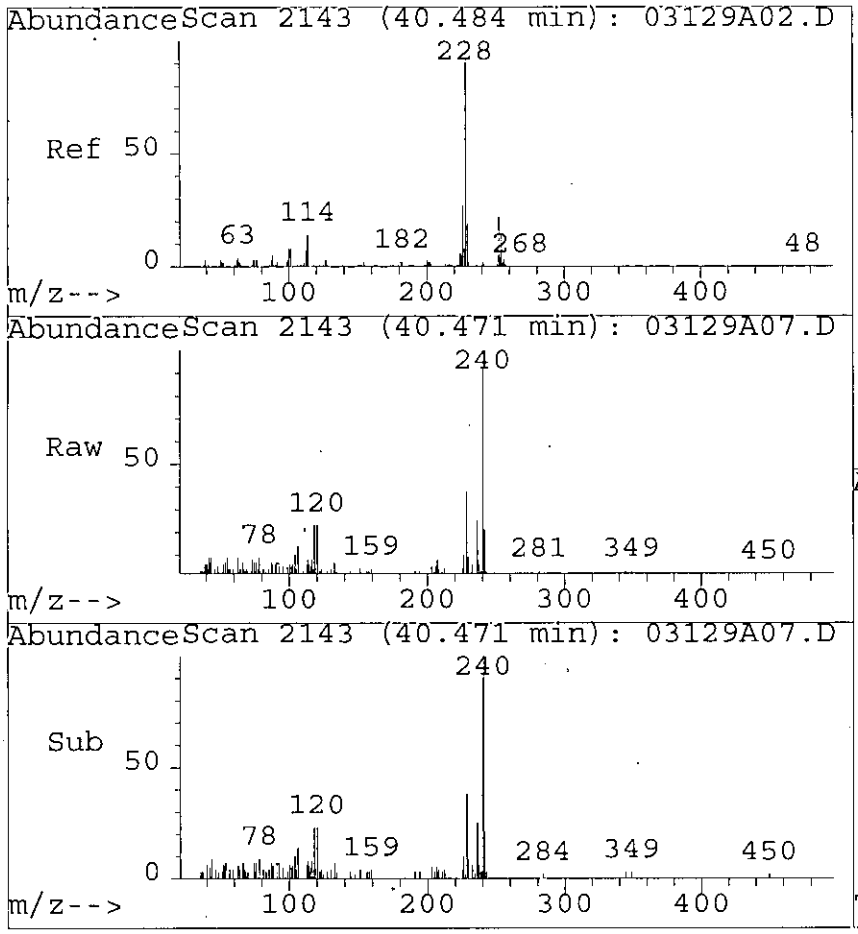


#78
P-TERPHENYL-D14
Concen: 88.64 ug/ml
RT: 36.97 min Scan# 1892
Delta R.T. -0.01 min
Lab File: 03129a07.d
Acq: 12 Mar 99 4:04 pm

Tgt Ion:244 Resp: 236206

Ion	Ratio	Lower	Upper
244	100		
122	13.9	15.3	23.0#
245	19.0	15.6	23.3
0	0.0	0.0	0.0

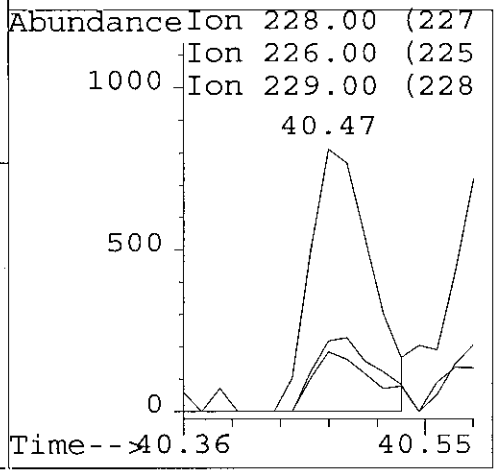


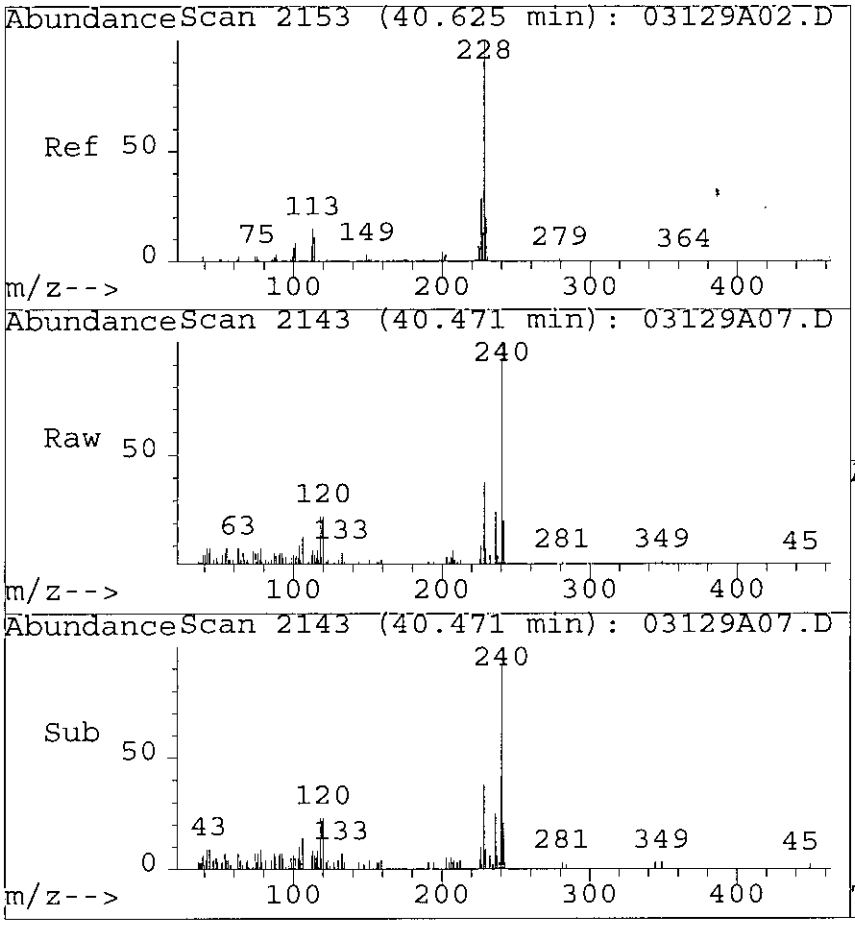


#89
BENZ(A)ANTHRACENE
Concen: 0.95 ug/ml
RT: 40.47 min Scan# 2143
Delta R.T. -0.01 min
Lab File: 03129a07.d
Acq: 12 Mar 99 4:04 pm

Tgt Ion:228 Resp: 2681

Ion	Ratio	Lower	Upper
228	100		
226	26.8	22.6	33.9
229	22.7	16.8	25.1
0	0.0	0.0	0.0



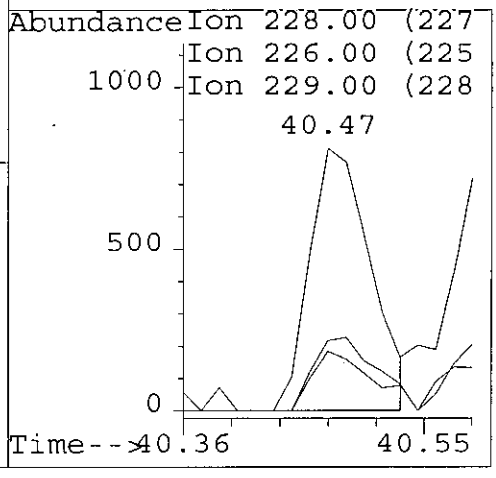


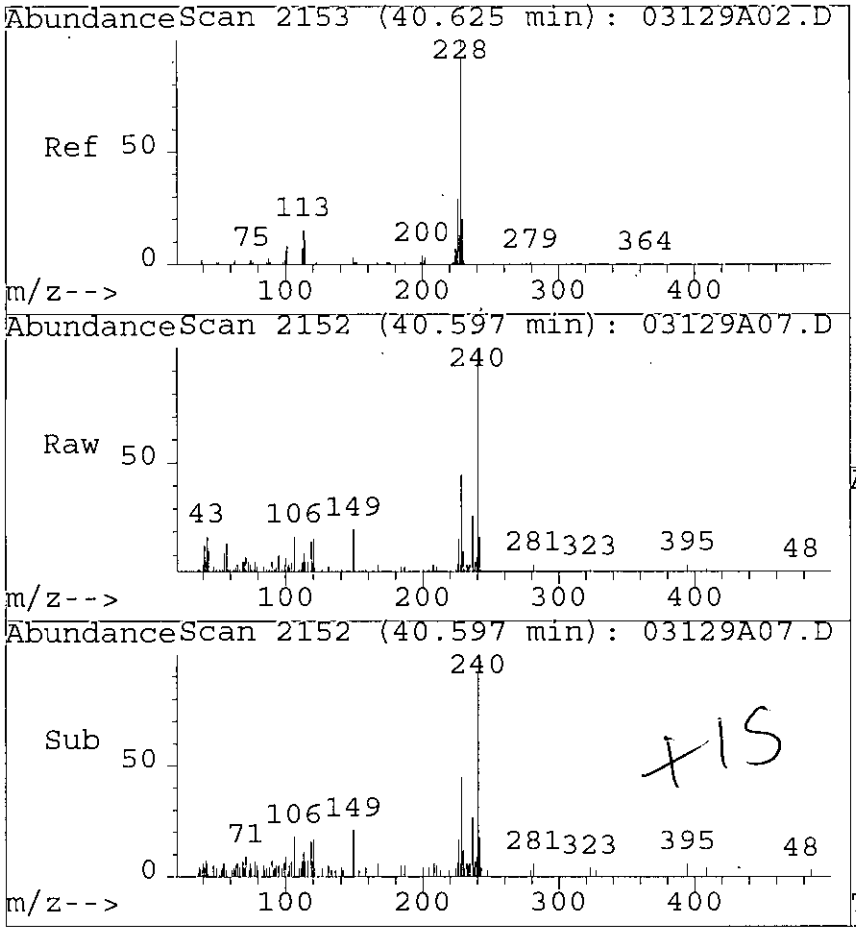
#90
CHRYSENE
Concen: 1.01 ug/ml
RT: 40.47 min Scan# 2143
Delta R.T. -0.15 min
Lab File: 03129a07.d
Acq: 12 Mar 99 4:04 pm

See next Page

Tgt Ion:228 Resp: 2681

Ion	Ratio	Lower	Upper
228	100		
226	26.8	22.1	33.1
229	22.7	16.2	24.3
0	0.0	0.0	0.0

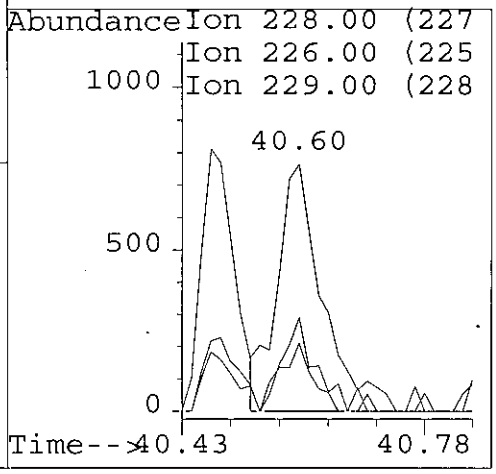


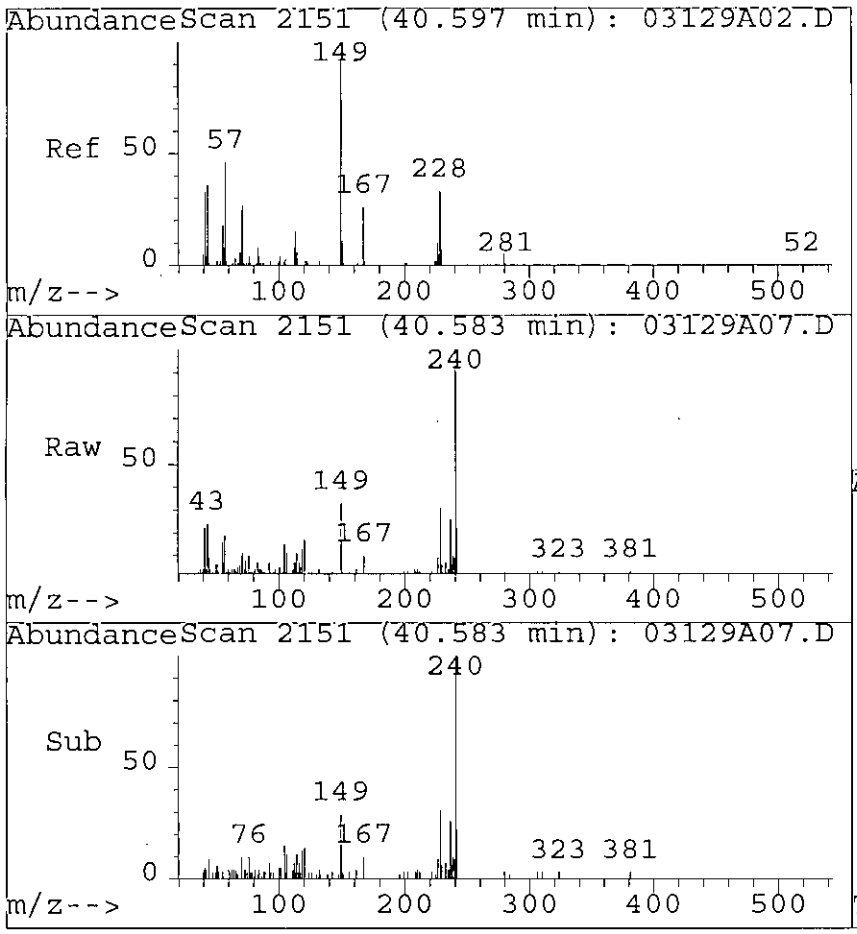


#90
CHRYSENE
Concen: 1.31 ug/ml m
RT: 40.60 min Scan# 2152
Delta R.T. -0.03 min
Lab File: 03129A07.D
Acq: 12 Mar 99 4:04 pm

Tgt Ion:228 Resp: 3459

Ion	Ratio	Lower	Upper
228	100		
226	38.0	22.1	33.1#
229	27.5	16.2	24.3#
0	0.0	0.0	0.0

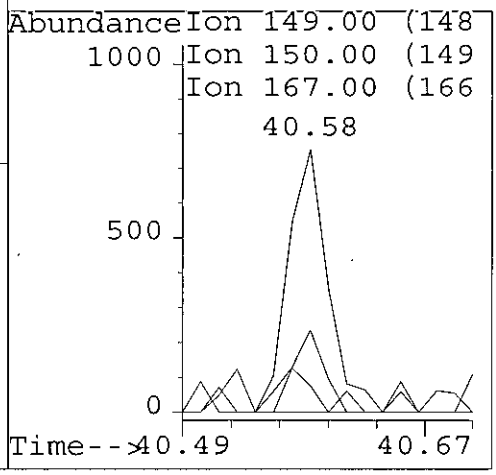


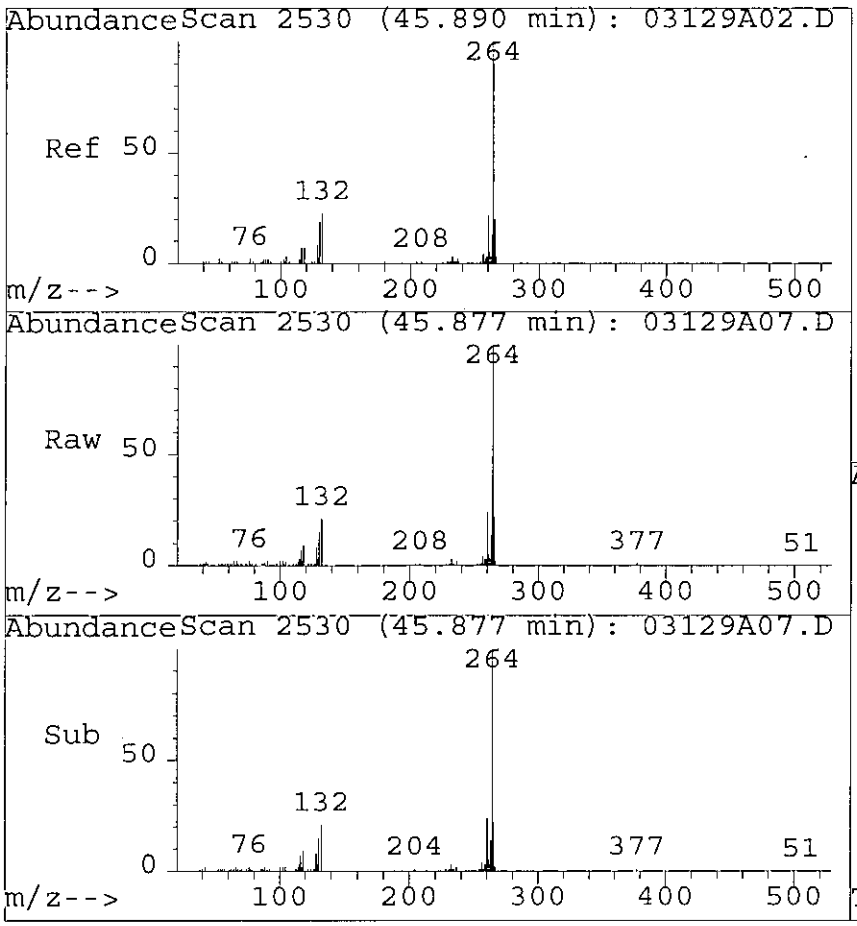


#91
BIS(2-ETHYLHEXYL)PHTHALATE
Concen: 0.62 ug/ml
RT: 40.58 min Scan# 2151
Delta R.T. -0.01 min
Lab File: 03129a07.d
Acq: 12 Mar 99 4:04 pm

Tgt Ion:149 Resp: 1602

Ion	Ratio	Lower	Upper
149	100		
150	10.2	9.5	14.2
167	31.3	20.5	30.7#
0	0.0	0.0	0.0

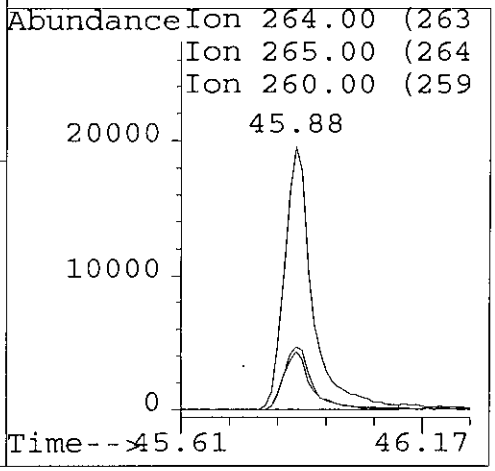


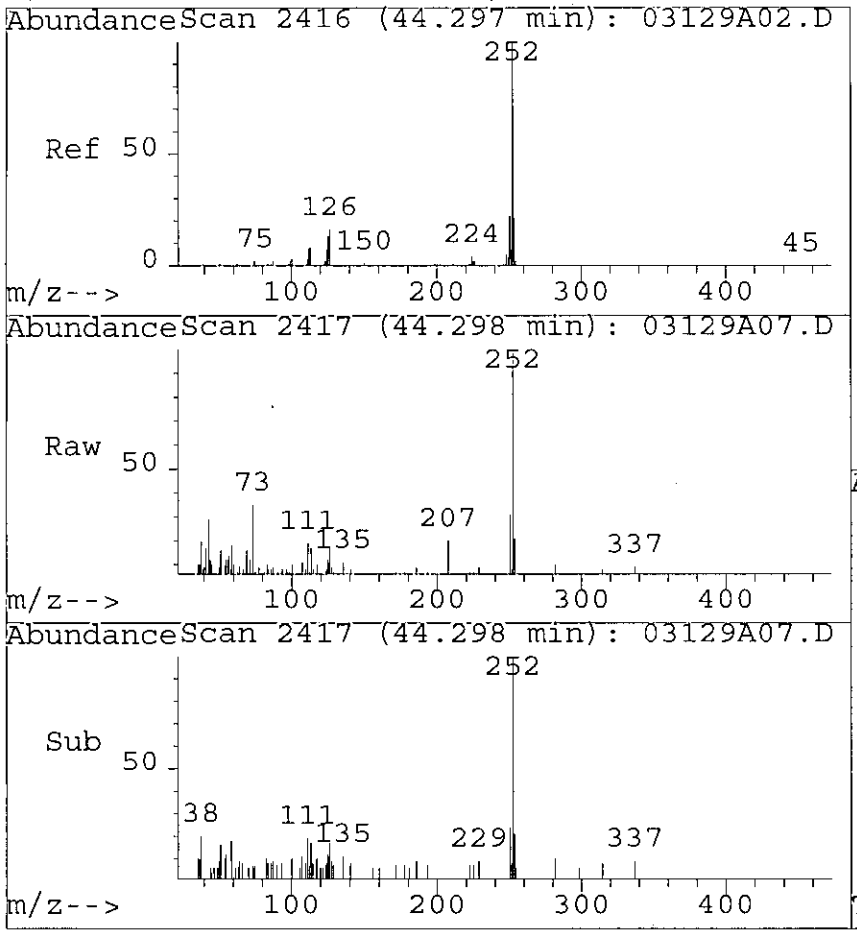


#92
PERYLENE-D12
Concen: 40.00 ug/ml
RT: 45.88 min Scan# 2530
Delta R.T. -0.01 min
Lab File: 03129a07.d
Acq: 12 Mar 99 4:04 pm

Tgt Ion:264 Resp: 88699

Ion	Ratio	Lower	Upper
264	100		
265	22.4	17.1	25.6
260	24.2	19.3	28.9
0	0.0	0.0	0.0

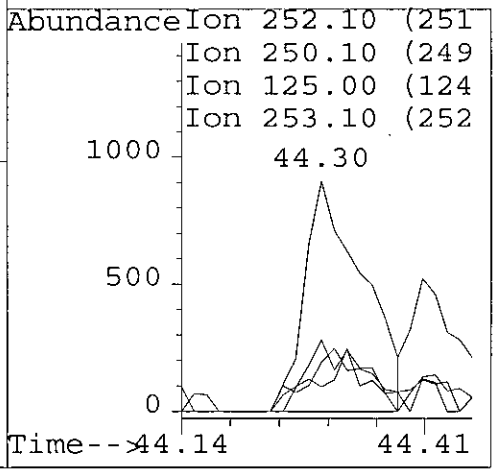


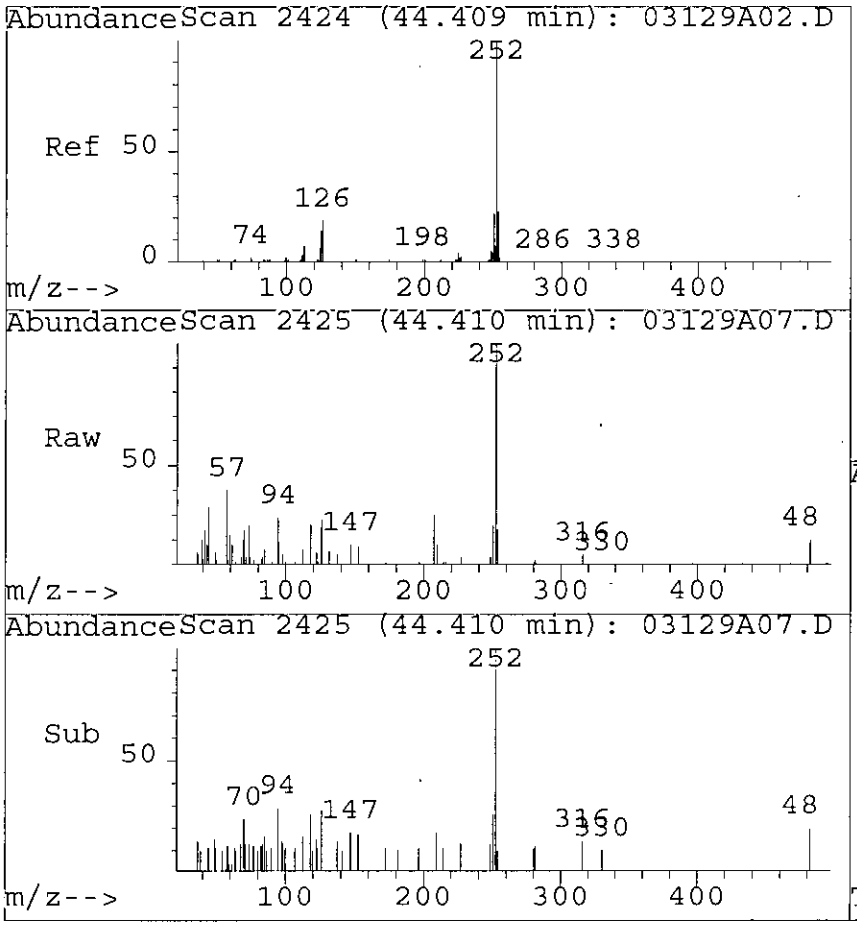


#94
BENZO(B)FLUORANTHENE
Concen: 1.40 ug/ml
RT: 44.30 min Scan# 2417
Delta R.T. 0.00 min
Lab File: 03129a07.d
Acq: 12 Mar 99 4:04 pm

Tgt Ion:252.1 Resp: 4056

Ion	Ratio	Lower	Upper
252	100		
250	30.9	20.5	30.8#
125	10.7	18.1	27.2#
253	21.3	17.2	25.7

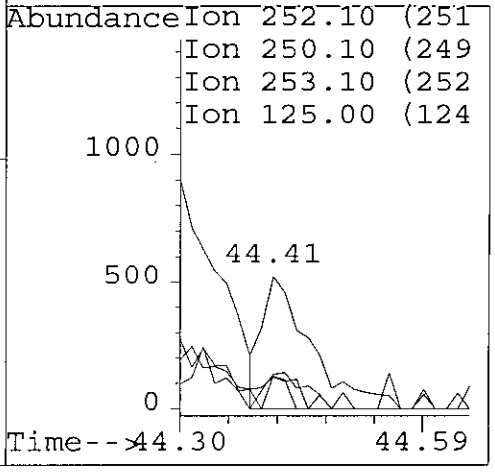


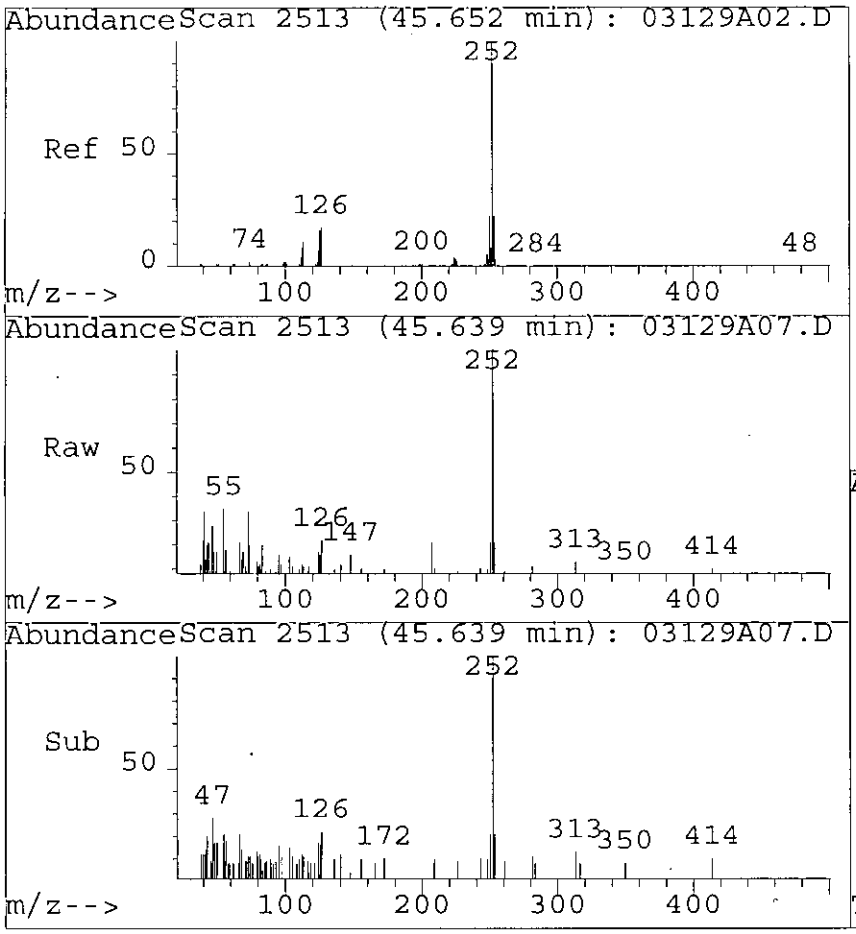


#95
BENZO(K)FLUORANTHENE
Concen: 0.70 ug/ml
RT: 44.41 min Scan# 2425
Delta R.T. 0.00 min
Lab File: 03129a07.d
Acq: 12 Mar 99 4:04 pm

Tgt Ion:252.1 Resp: 2130

Ion	Ratio	Lower	Upper
252	100		
250	26.1	18.5	27.7
253	23.8	17.2	25.7
125	24.5	18.2	27.3

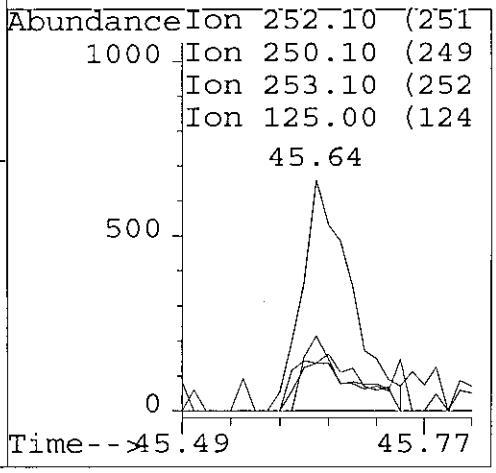


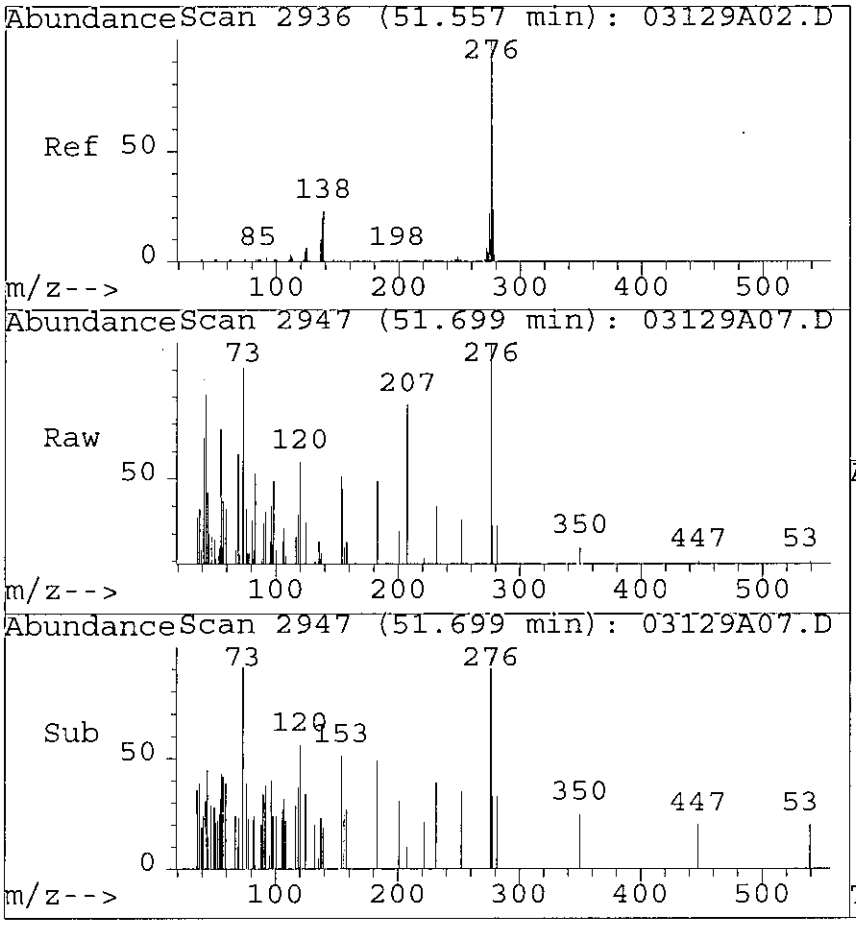


#96
BENZO(A)PYRENE
Concen: 0.97 ug/ml
RT: 45.64 min Scan# 2513
Delta R.T. -0.01 min
Lab File: 03129a07.d
Acq: 12 Mar 99 4:04 pm

Tgt Ion:252.1 Resp: 2625

Ion	Ratio	Lower	Upper
252	100		
250	20.8	18.7	28.0
253	20.6	15.9	23.8
125	32.5	19.6	29.3#

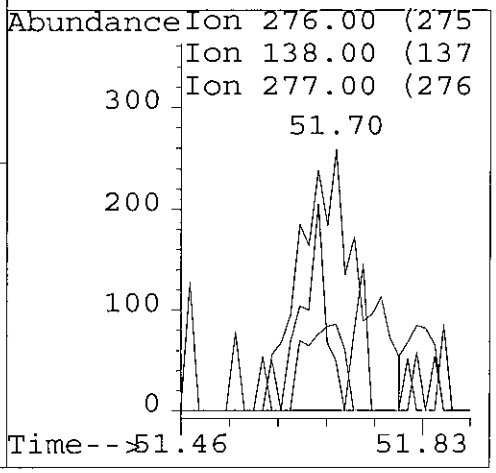


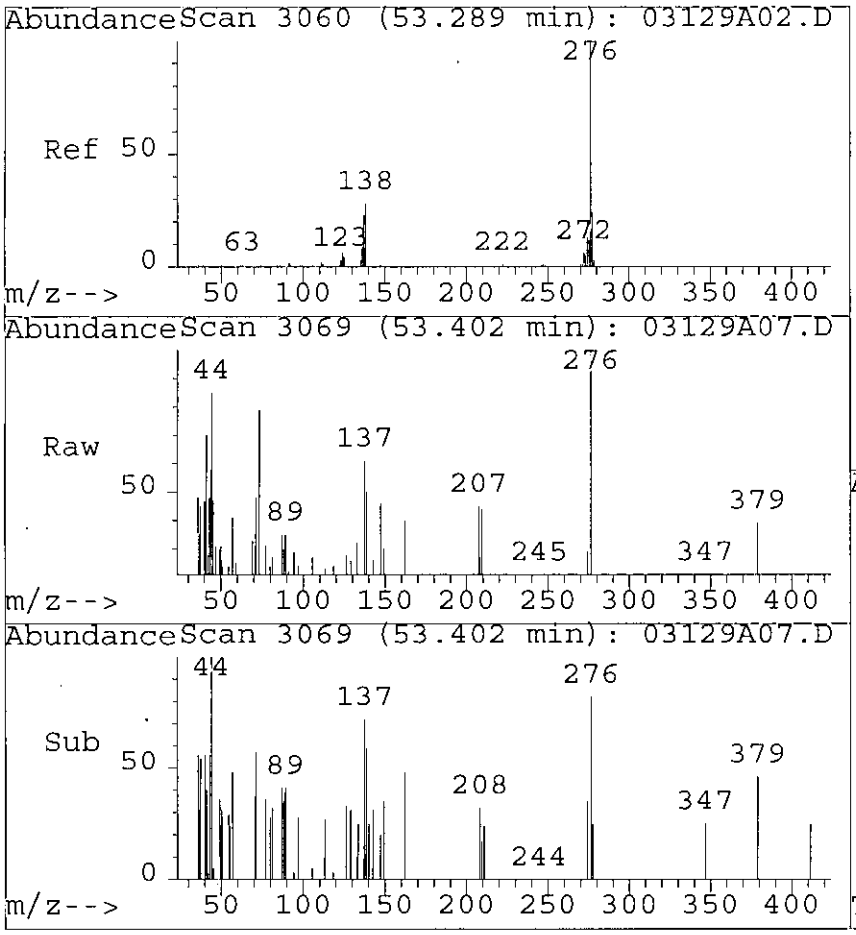


#97
INDENO(1,2,3-CD)PYRENE
Concen: 0.78 ug/ml
RT: 51.70 min Scan# 2947
Delta R.T. 0.14 min
Lab File: 03129a07.d
Acq: 12 Mar 99 4:04 pm

Tgt Ion:276 Resp: 1663

Ion	Ratio	Lower	Upper
276	100		
138	19.3	42.8	64.1#
277	33.2	20.0	29.9#
0	0.0	0.0	0.0

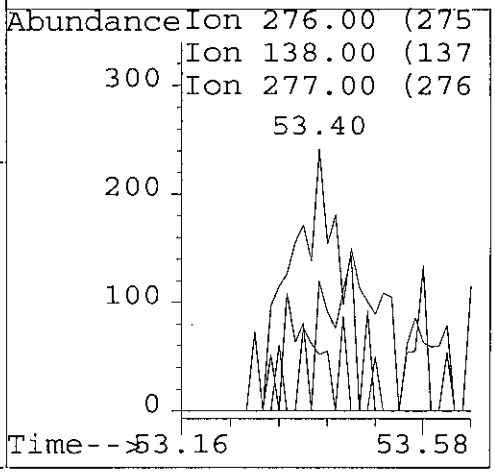




#99
BENZO(GHI)PERYLENE
Concen: 0.85 ug/ml
RT: 53.40 min Scan# 3069
Delta R.T. 0.11 min
Lab File: 03129a07.d
Acq: 12 Mar 99 4:04 pm

Tgt Ion:276 Resp: 1798

Ion	Ratio	Lower	Upper
276	100		
138	49.6	41.8	62.7
277	21.5	24.6	36.9#
0	0.0	0.0	0.0



TIC: 03129A07.D

67827 MSD

Peak#	Ret Time	Type	Width	Area	Start Time	End Time
1	11.632	rBV	0.614	9286889	11.324	11.939
2	12.009	rVB	0.112	13627	11.953	12.064
3	12.483	rBV	0.377	735175-S	12.413	12.791
4	13.824	rBV	0.140	11292	13.740	13.880
5	14.620	rBV	0.112	11855	14.564	14.675
6	15.360	rBV	0.279	1722341-S/T	15.234	15.514
7	15.667	rBV	0.084	787301-S	15.597	15.681
8	15.709	rVB	0.224	902197-T	15.681	15.905
9	16.310 ✓	rBV	0.098	249699-IS	16.227	16.325
10	16.353	rVB	0.126	407647-T	16.325	16.451
11	16.800	rVB	0.210	405027-S	16.716	16.926
12	16.981	rVB	0.126	11818	16.926	17.051
13	17.652	rBV	0.237	485556-T	17.582	17.819
14	18.154	rBV	0.321	402048-S	18.043	18.364
15	18.713	rBV	0.126	10811	18.671	18.797
16	20.249	rBV	0.182	420230-T	20.193	20.374
17	20.444	rVB	0.210	296476-IS	20.403	20.612
18	22.483	rBV	0.363	943459-T	22.427	22.790
19	23.782	rBV	0.098	10502	23.726	23.824
20	24.019	rVB	0.126	22141	23.949	24.075
21	24.131	rBV	0.154	550708-S	24.075	24.229
22	26.392	rBV	0.168	319965-IS	26.295	26.462
23	26.518	rVB	0.196	665677-T	26.462	26.658
24	27.203	rBV	0.420	893436-T	27.021	27.441
25	29.131	rBV	0.280	691115-S	29.006	29.285
26	30.891	rBV	0.420	506255-T	30.765	31.185
27	31.493	rBV	0.112	320003-IS	31.437	31.549
28	32.708	rBV	0.140	13683	32.610	32.750
29	33.518	rBV	0.154	19705	33.434	33.588
30	33.783	rVB	0.112	11810	33.713	33.825
31	34.341	rBV	0.126	18024	34.258	34.383
32	34.634	rBV	0.154	23421	34.551	34.705
33	35.639	rBV	0.168	31763-T	35.570	35.737
34	36.142	rBV	0.112	13584	36.086	36.198
35	36.421	rBV	0.210	754993-T	36.338	36.548
36	36.966	rVB	0.224	670689-S	36.896	37.120
37	38.712	rBV	0.167	39616	38.642	38.810
38	39.480	rVB	0.112	14201	39.452	39.564
39	40.513 ✓	rBV	0.336	359205-IS	40.373	40.709
40	40.905	rVB	0.084	10302	40.877	40.961
41	41.170	rVB	0.126	12866	41.086	41.212
42	41.784	rBV	0.112	10853	41.714	41.826
43	42.259	rVB	0.168	27167	42.203	42.371
44	43.432	rBV	0.196	57771	43.362	43.558
45	43.739	rVB	0.238	74968	43.642	43.879
46	44.298	rBV	0.182	23092-T	44.228	44.410
47	44.773	rVB	0.182	25835	44.689	44.871
48	45.639	rBV	0.139	17398	45.598	45.737
49	45.877 ✓	rBV	0.224	272023-IS	45.793	46.017
50	46.045	rVB	0.084	14212	46.017	46.101
51	47.567	rBV	0.126	10516	47.483	47.609
52	48.056	rBV	0.168	30982	47.986	48.153
53	52.132	rBV	0.126	13231	52.117	52.243
54	52.676	rBV	0.209	18850	52.550	52.760
55	53.178	rBV	0.167	10008	53.081	53.248

56	55.077	rVB	0.154	12023	55.021	55.175
57	56.822	rVB	0.098	17011	56.780	56.878

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\03129A07.D
Acq On : 12 Mar 99 4:04 pm
Sample : 67827 MSD
Misc : American Glue & Resin P#99187

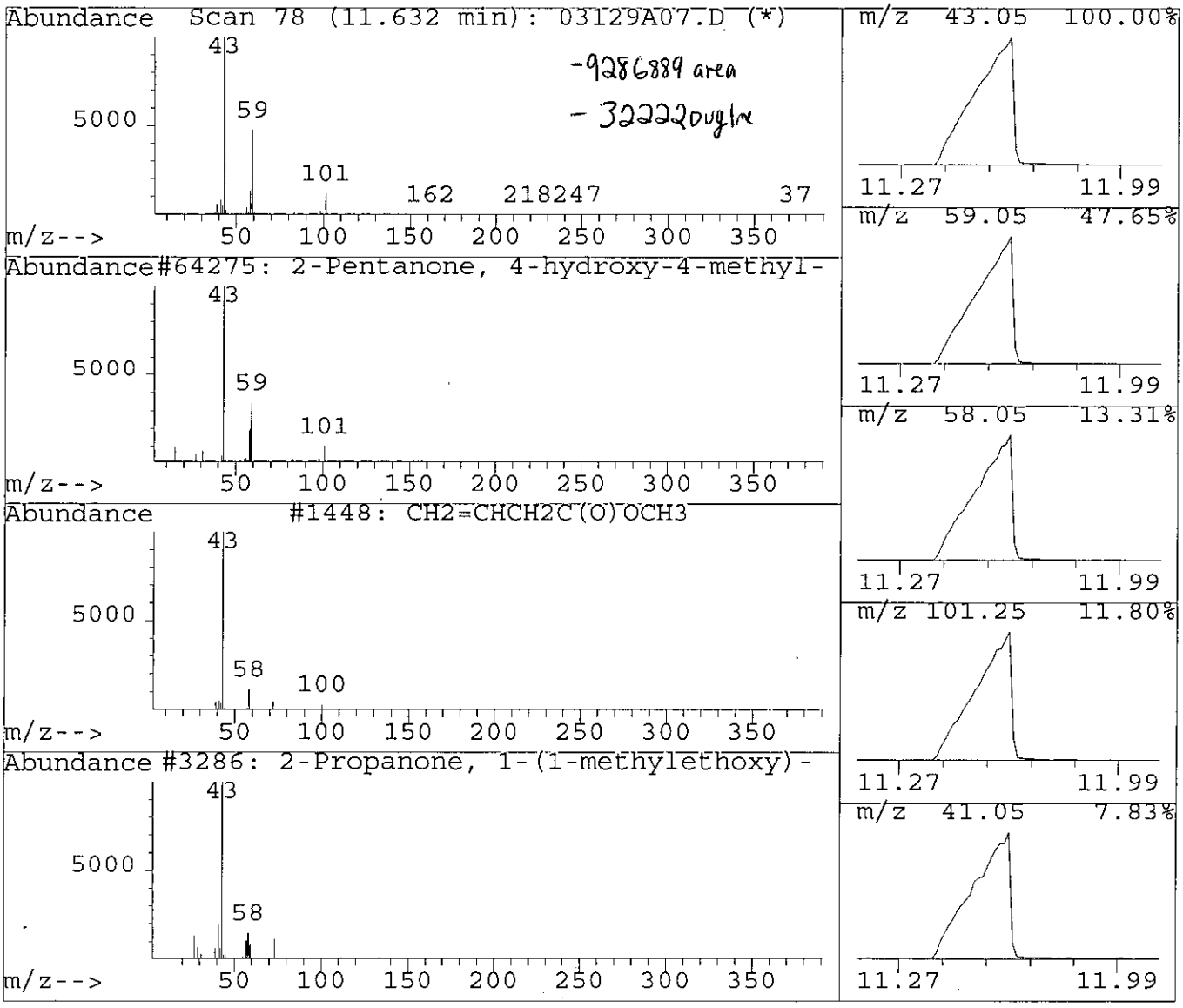
Vial: 7
Operator: ESAT
Inst : 5988
Multiplr: 216.59

Method : C:\HPCHEM\1\METHODS\03129A01.M
Title : semivolatiles
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	R.T.
11.63 ✓	318916.79 ug/ml	9254493 ✓	1,4-DICHLOROBENZENE-D4	16.31

Hit# of 20	Tentative ID	Ref#	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	64275	000123-42-2	50
2	CH2=CHCH2C(O)OCH3	1448	003724-55-8	12
3	2-Propanone, 1-(1-methylethoxy)-	3286	042781-12-4	9
4	Propanal, 2-hydroxy-2-methyl-	805	020818-81-9	9
5	2,3-Butanedione, monooxime	1607	000057-71-6	7

A B



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\03129A07.D
Acq On : 12 Mar 99 4:04 pm
Sample : 67827 MSD
Misc : American Glue & Resin P#99187

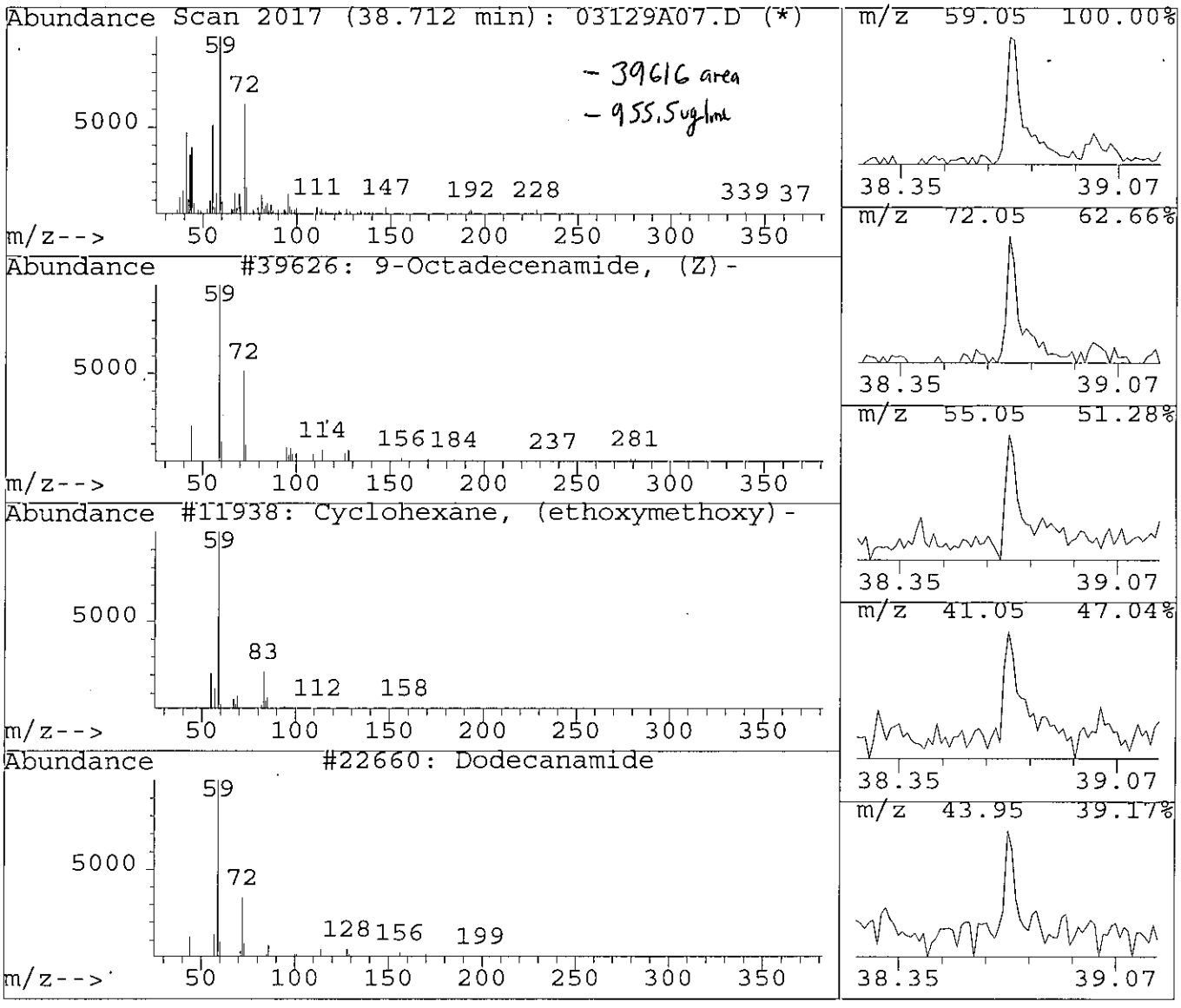
Vial: 7
Operator: ESAT
Inst : 5988
Multiplr: 216.59

Method : C:\HPCHEM\1\METHODS\03129A01.M
Title : semivolatiles
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	R.T.
38.71✓	855.71 ug/ml	33697✓	CHRYSENE-D12	40.51

Hit# of 20	Tentative ID	Ref#	CAS#	Qual
1	9-Octadecenamide, (Z)-	39626	000301-02-0	38
2	Cyclohexane, (ethoxymethoxy)-	11938	054699-29-5	30
3	Dodecanamide	22660	001120-16-7	25
4	3-Hexadecanol	32428	000593-03-3	23
5	Cyclooctanemethanol, .alpha.,.alpha	15325	016624-06-9	22

UNK - B



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\03129A07.D
Acq On : 12 Mar 99 4:04 pm
Sample : 67827 MSD
Misc : American Glue & Resin P#99187

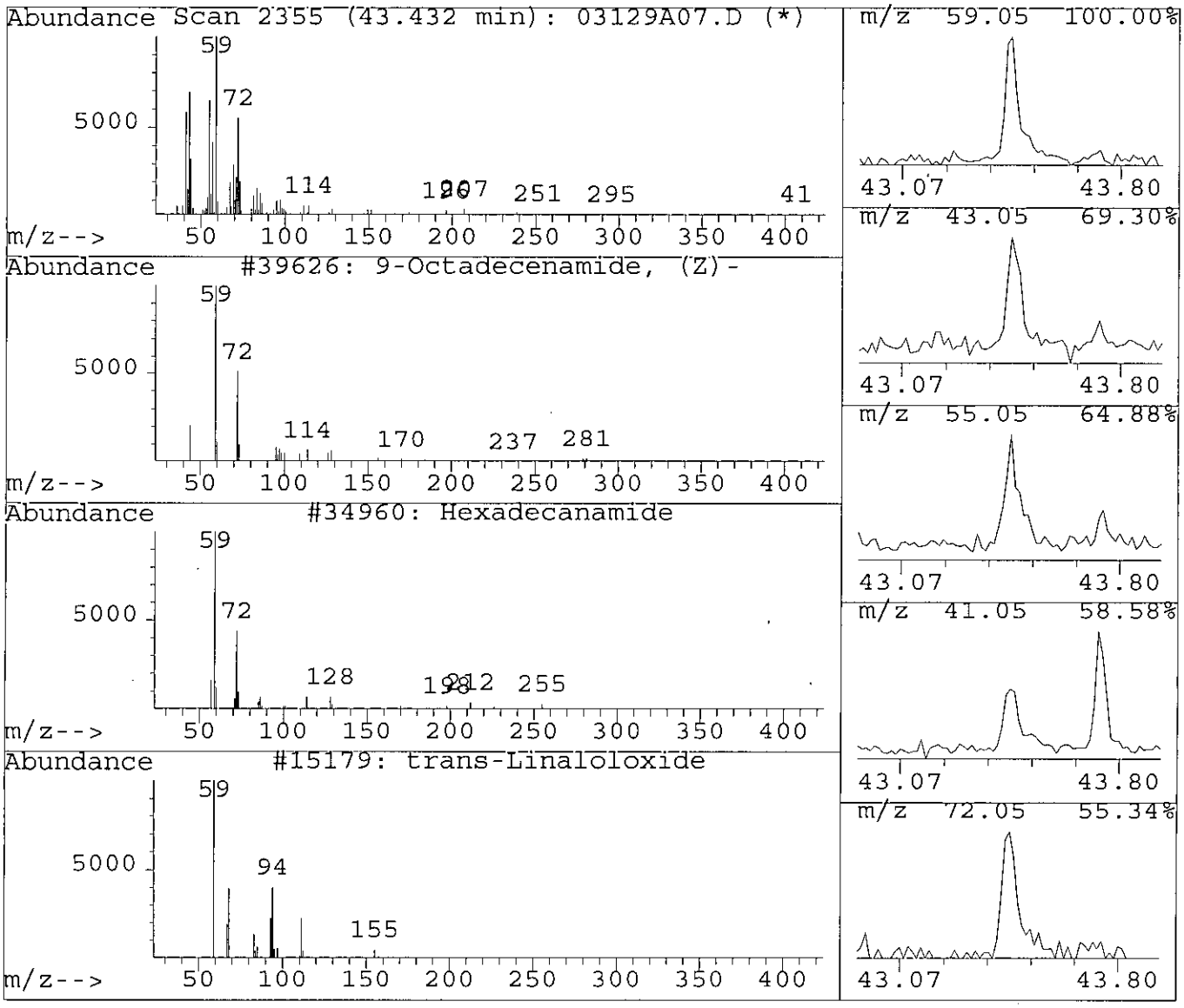
Vial: 7
Operator: ESAT
Inst : 5988
Multiplr: 216.59

Method : C:\HPCHEM\1\METHODS\03129A01.M
Title : semivolatiles
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	R.T.
43.43	1839.94 ug/ml	57771	PERYLENE-D12	45.88

Hit# of 20	Tentative ID	Ref#	CAS#	Qual
1	9-Octadecenamide, (Z)-	39626	000301-02-0	64
2	Hexadecanamide	34960	000629-54-9	47
3	trans-Linaloloxide	15179	000000-00-0	38
4	3-Hexadecanol	32428	000593-03-3	38
5	1-Decanol, 5,9-dimethyl-	19520	091482-38-1	37

UNK. B



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\03129A07.D
Acq On : 12 Mar 99 4:04 pm
Sample : 67827 MSD
Misc : American Glue & Resin P#99187

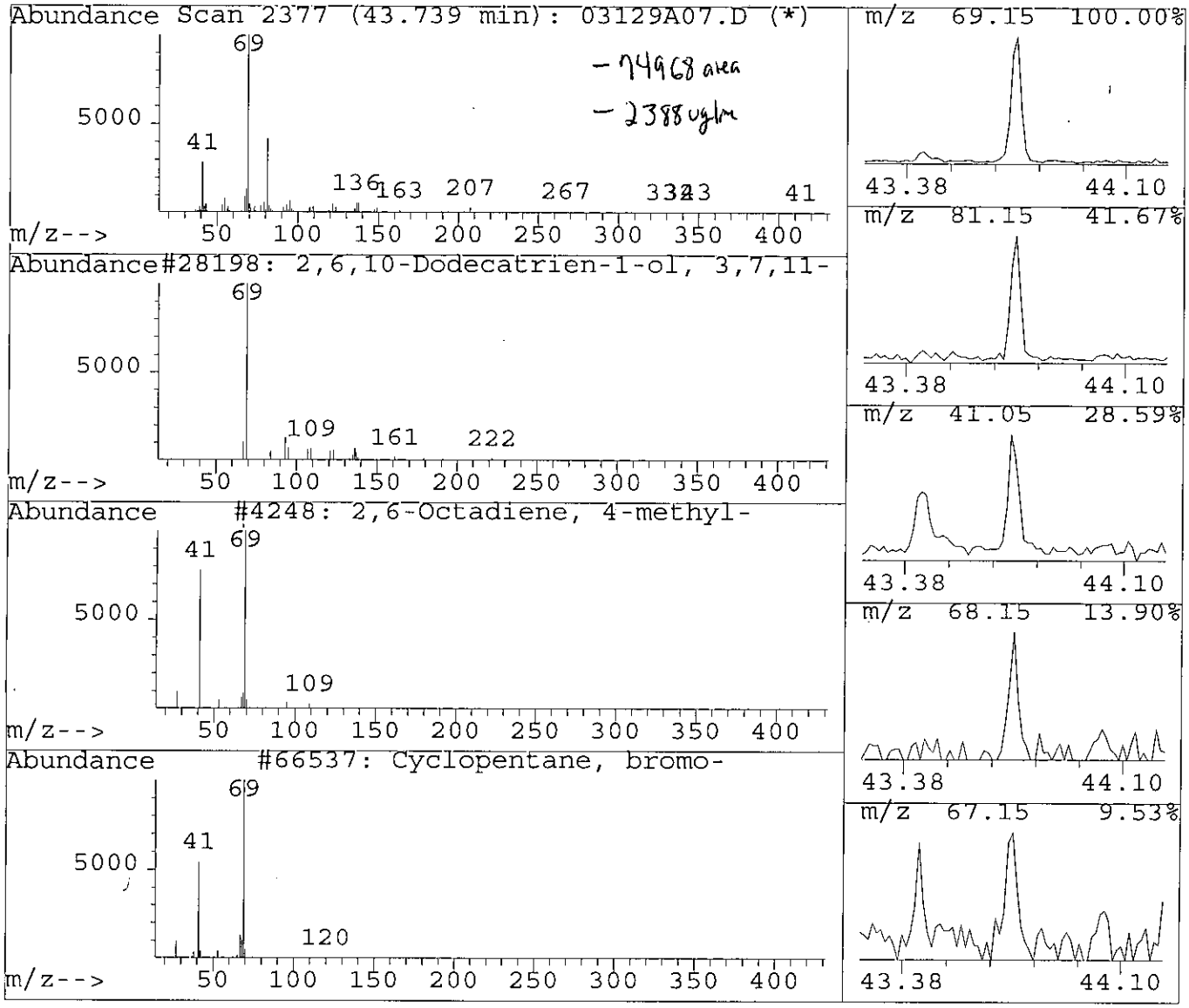
Vial: 7
Operator: ESAT
Inst : 5988
Multiplr: 216.59

Method : C:\HPCHEM\1\METHODS\03129A01.M
Title : semivolatiles
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	R.T.
43.74 ✓	2312.74 ug/ml	72616 ✓	PERYLENE-D12	45.88

Hit# of 20	Tentative ID	Ref#	CAS#	Qual
1	2,6,10-Dodecatrien-1-ol, 3,7,11-tri	28198	000106-28-5	80
2	2,6-Octadiene, 4-methyl-	4248	074498-94-5	59
3	Cyclopentane, bromo-	66537	000137-43-9	59
4	2,6-Octadiene, 4,5-dimethyl-	7037	018476-57-8	59
5	Neryl nitrile	9503	000000-00-0	59

UNK - B



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\03129A07.D
Acq On : 12 Mar 99 4:04 pm
Sample : 67827 MSD
Misc : American Glue & Resin P#99187

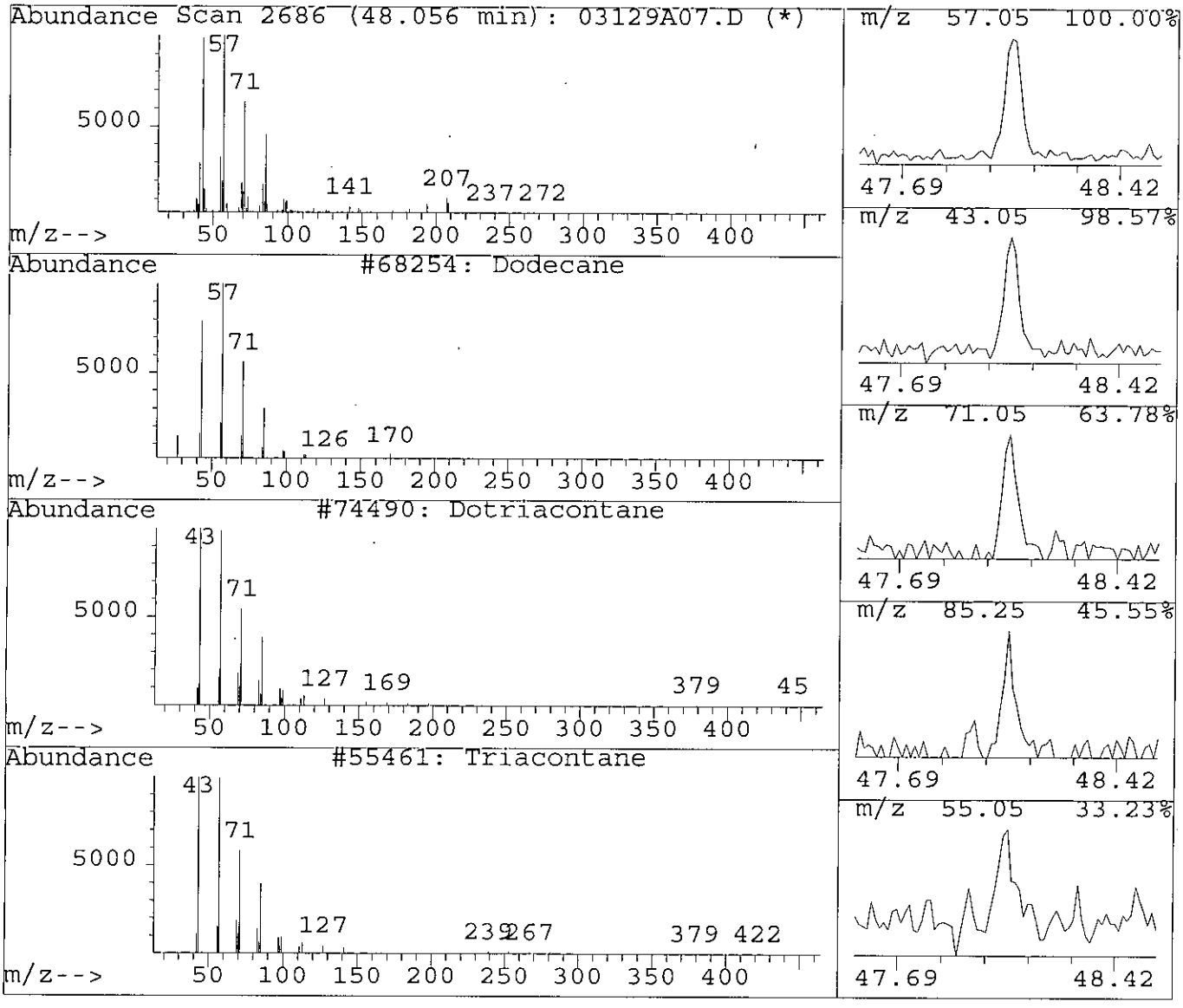
Vial: 7
Operator: ESAT
Inst : 5988
Multiplr: 216.59

Method : C:\HPCHEM\1\METHODS\03129A01.M
Title : semivolatiles
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	R.T.
48.06 ✓	986.74 ug/ml	30982 ✓ dc	PERYLENE-D12	45.88

Hit# of 20	Tentative ID	Ref#	CAS#	Qual
1	Dodecane	68254	000112-40-3	86
2	Dotriacontane	74490	000544-85-4	52
3	Triacontane	55461	000638-68-6	52
4	Octacosane	74211	000630-02-4	50
5	Pentacosane	73718	000629-99-2	50

C30 HC



1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SBLK01

Lab EPA REG 1 Contract:

Proj 99187 Site: AMERICAN Location: Group:

Matrix: (soil/wat SOIL Lab Sample ID: BLANK

wet Sample wt/vol: 5.0 (g/mL) G Lab File ID: 03129A03.D

Level: (low/m MED DRY wt 9.0 Date Received: 3/3/99

% 0 Sample Collection: NA decanted: (Y/N): Y Date Extracted: 3/9/99

Concentrated Extract Volume 1000 (uL) Date Analyzed: 3/12/99

Injection Volume 1.0 (uL) Dilution Factor: 1.0 NS

GPC Cleanup: (Y N pH: 0 Report Factor: ~~2.78~~ 0.60 3/14/99

Concentration Units:

CAS No.	Compound	(ug/L or ug/Kg) ug/Kg	Q
62-53-3	ANILINE	2000	U
108-95-2	PHENOL	2000	U
111-44-4	BIS(2-CHLOROETHYL) ETHER	2000	U
95-57-8	2-CHLOROPHENOL	2000	U
541-73-1	1,3-DICHLOROBENZENE	2000	U
106-46-7	1,4-DICHLOROBENZENE	2000	U
100-51-6	BENZYL ALCOHOL	2000	U
95-50-1	1,2-DICHLOROBENZENE	2000	U
95-48-7	2-METHYLPHENOL	2000	U
108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	2000	U
106-44-5	4-METHYLPHENOL	2000	U
621-64-7	N-NITROSODIPROPYLAMINE	2000	U
67-72-1	HEXACHLOROETHANE	2000	U
98-95-3	NITROBENZENE	2000	U
78-59-1	ISOPHORONE	2000	U
88-75-5	2-NITROPHENOL	2000	U
105-67-9	2,4-DIMETHYLPHENOL	2000	U
111-91-1	BIS(2-CHLOROETHOXY)METHANE	2000	U
65-85-0	BENZOIC ACID	2000	U
120-83-2	2,4-DICHLOROPHENOL	2000	U
120-82-1	1,2,4-TRICHLOROBENZENE	2000	U
91-20-3	NAPHTHALENE	2000	U
106-47-8	4-CHLOROANILINE	2000	U
87-68-3	HEXACHLOROBUTADIENE	2000	U
59-50-7	4-CHLORO-3-METHYLPHENOL	2000	U
91-57-6	2-METHYLNAPHTHALENE	2000	U
77-47-4	HEXACHLOROCYCLOPENTADIENE	2000	U
88-06-2	2,4,6-TRICHLOROPHENOL	2000	U
95-95-4	2,4,5-TRICHLOROPHENOL	2000	U
91-58-7	2-CHLORONAPHTHALENE	2000	U
88-74-4	2-NITROANILINE	2000	U
131-11-3	DIMETHYLPHTHALATE	2000	U
208-96-8	ACENAPHTHYLENE	2000	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SBLK01

Lab EPA REG 1 Contract:

Proj 99187 Site: AMERICAN Location: Group:

Matrix: (soil/wat SOIL Lab Sample ID: BLANK

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 03129A03.D

Level: (low/m MED Date Received: 3/3/99

% 0 decanted: (Y/N): Y Date Extracted: 3/9/99

Concentrated Extract Volume 1000 (uL) Date Analyzed: 3/12/99

Injection Volume 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y N pH: 0

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
606-20-2	2,6-DINITROTOLUENE	2000	U
99-09-2	3-NITROANILINE	2000	U
83-32-9	ACENAPHTHENE	2000	U
51-28-5	2,4-DINITROPHENOL	2000	U
132-64-9	DIBENZOFURAN	2000	U
100-02-7	4-NITROPHENOL	2000	U
121-14-2	2,4-DINITROTOLUENE	2000	U
84-66-2	DIETHYLPHTHALATE	2000	U
86-73-7	FLUORENE	2000	U
7005-72-3	4-CHLOROPHENYL-PHENYLETHER	2000	U
100-01-6	4-NITROANILINE	2000	U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	2000	U
86-30-6	N-NITROSODIPHENYLAMINE	2000	U
103-33-3	DIPHENYLHYDRAZINE(AZOBENZENE)	2000	U
101-55-3	4-BROMOPHENYL-PHENYLETHER	2000	U
319-84-6	BHC ISOMER (ALPHA)	2000	U
118-74-1	HEXACHLOROBENZENE	2000	U
319-85-7	BHC ISOMER (BETA)	2000	U
87-86-5	PENTACHLOROPHENOL	2000	U
58-89-9	LINDANE-BHC ISOMER (GAMA)	2000	U
85-01-8	PHENANTHRENE	2000	U
120-12-7	ANTHRACENE	2000	U
319-86-8	BHC ISOMER (DELTA)	2000	U
86-74-8	CARBAZOLE	2000	U
76-44-8	HEPTACHLOR	2000	U
84-74-2	DIBUTYLPHTHALATE	2000	U
309-00-2	ALDRIN	2000	U
1024-57-3	HEPTACHLOR EPOXIDE	2000	U
206-44-0	FLUORANTHENE	2000	U
129-00-0	PYRENE	2000	U
959-98-8	ENDOSULFAN I	2000	U
72-55-9	P,P-DDE	2000	U
60-57-1	DIELDRIN	2000	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SBLK01

Lab EPA REG 1 Contract:

Proj 99187 Site: AMERICAN Location: Group:

Matrix: (soil/wat SOIL Lab Sample ID: BLANK

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 03129A03.D

Level: (low/m MED Date Received: 3/3/99

% 0 decanted: (Y/N): Y Date Extracted: 3/9/99

Concentrated Extract Volume 1000 (uL) Date Analyzed: 3/12/99

Injection Volume 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y N pH: 0

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
72-20-8	ENDRIN	2000	U
33213-65-9	ENDOSULFAN II	2000	U
72-54-8	P,P-DDD	2000	U
85-68-7	BUTYLBENZYLPHTHALATE	2000	U
50-29-3	P,P-DDT	2000	U
1031-07-8	ENDOSULFAN SULFATE	2000	U
72-43-5	METHOXYCHLOR	2000	U
53494-70-5	ENDRIN KETONE	2000	U
91-94-1	3,3-DICHCHLOROBENZIDINE	2000	U
56-55-3	BENZ(A)ANTHRACENE	2000	U
218-01-9	CHRYSENE	2000	U
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	2000	U
117-84-0	DI-N-OCTYLPHTHALATE	2000	U
205-99-2	BENZO(B)FLUORANTHENE	2000	U
207-08-9	BENZO(K)FLUORANTHENE	2000	U
50-32-8	BENZO(A)PYRENE	2000	U
193-39-5	INDENO(1,2,3-CD)PYRENE	2000	U
53-70-3	DIBENZO(A,H)ANTHRACENE	2000	U
191-24-2	BENZO(GHI)PERYLENE	2000	U

QUANTITATION SHEET

SAMPLE NUMBER Blank

Tentatively Identified Compounds

SCAN NO.	COMPOUND	PROB. MATCH	CONC (ug/ml)	EST. C. (ug/kg)	CAS NO.	CHEM. FORM.
71	~~4-hydroxy-4-methyl-2-pentanone~~	50	-	~~~100,000 A~~	~~123-42-2~~	
2018	Unknown	-	-	~2000 J	-	
2356	Unknown	-	-	~3000 J	-	
2377	Unknown	-	-	~1000 J	-	

~ = Approximate
< = Less than
> = Greater than
NA = Not available due to dilution or interference
E = Estimated value that exceeds the calibration range
L = Estimated value that is below the calibration range
B = Analyte associated with the lab, trip blank. Reported values are 5X higher than blank. Phthalates must be 10X.

Quantitation Report

Data File : C:\HPCHEM\1\DATA\03129A03.D
Acq On : 12 Mar 99 10:22 am
Sample : LAB BLANK
Misc : American Glue & Resin P#99187
Quant Time: Mar 13 9:35 1999

Vial: 3
Operator: ESAT
Inst : 5988
Multiplr: 199.68

Method : C:\HPCHEM\1\METHODS\03129A01.M
Title : semivolatiles
Last Update : Fri Mar 12 11:19:03 1999
Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DICHLOROBENZENE-D4	16.31	150	43615	40.00	ug/ml	0.00
19) NAPHTHALENE-D8	20.46	136	101417	40.00	ug/ml	0.00
34) ACENAPHTHENE-D10	26.40	164	49656	40.00	ug/ml	0.00
54) PHENANTHRENE-D10	31.50	188	97365	40.00	ug/ml	-0.01
74) CHRYSENE-D12	40.51	240	89404	40.00	ug/ml	-0.02
92) PERYLENE-D12	45.89	264	70435	40.00	ug/ml	0.00
System Monitoring Compounds						%Recovery
2) FLUOROPHENOL	12.46	112	136378	163.52	ug/ml	81.76%
4) PHENOL-D5	15.30	99	204384	178.27	ug/ml	89.14%
5) 2-CHLOROPHENOL-D4	15.65	132	141270	163.61	ug/ml	81.81%
12) 1,2-DICHLOROBENZENE-D4	16.80	150	69360	69.73	ug/ml	69.73%
20) NITROBENZENE-D5	18.15	82	110167	73.63	ug/ml	73.63%
38) FLUOROBIPHENYL	24.13	172	129833	78.05	ug/ml	78.05%
58) 2,4,6-TRIBROMOPHENOL	29.14	330	61308	157.41	ug/ml	78.70%
78) P-TERPHENYL-D14	36.97	244	200610	90.64	ug/ml	90.64%
Target Compounds						Qvalue

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

Quantitation Report

Data File : c:\hpchem\1\data\03129a03.d
Acq On : 12 Mar 99 10:22 am
Sample : LAB BLANK
Misc : American Glue & Resin P#99187
Quant Time: Mar 13 8:26 1999

Vial: 3
Operator: ESAT
Inst : 5988
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\03129A01.M
Title : semivolatiles
Last Update : Fri Mar 12 11:19:03 1999
Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-DICHLOROBENZENE-D4	16.31	150	43615	40.00 ug/ml	0.00
19) NAPHTHALENE-D8	20.46	136	101417	40.00 ug/ml	0.00
34) ACENAPHTHENE-D10	26.40	164	49656	40.00 ug/ml	0.00
54) PHENANTHRENE-D10	31.50	188	97365	40.00 ug/ml	-0.01
74) CHRYSENE-D12	40.51	240	89404	40.00 ug/ml	-0.02
92) PERYLENE-D12	45.89	264	70435	40.00 ug/ml	0.00
System Monitoring Compounds					%Recovery
2) FLUOROPHENOL	12.46	112	136378	163.52 ug/ml	81.76%
4) PHENOL-D5	15.30	99	204384	178.27 ug/ml	89.14%
5) 2-CHLOROPHENOL-D4	15.65	132	141270	163.61 ug/ml	81.81%
12) 1,2-DICHLOROBENZENE-D4	16.80	150	69360	69.73 ug/ml	69.73%
20) NITROBENZENE-D5	18.15	82	110167	73.63 ug/ml	73.63%
38) FLUOROBIPHENYL	24.13	172	129833	78.05 ug/ml	78.05%
58) 2,4,6-TRIBROMOPHENOL	29.14	330	61308	157.41 ug/ml	78.70%
78) P-TERPHENYL-D14	36.97	244	200610	90.64 ug/ml	90.64%
Target Compounds					Qvalue
11) BENZYL ALCOHOL	16.80	79	1670	~~3.28 ug/ml#~~	9
91) BIS(2-ETHYLHEXYL)PHTHALATE	40.59	149	1925	~~0.89 ug/ml#~~	94

wet wt = 5.008g
Dry wt = 5.008g
1ml FV
NO DIL
mult = 199.6805112

+, moist = 0

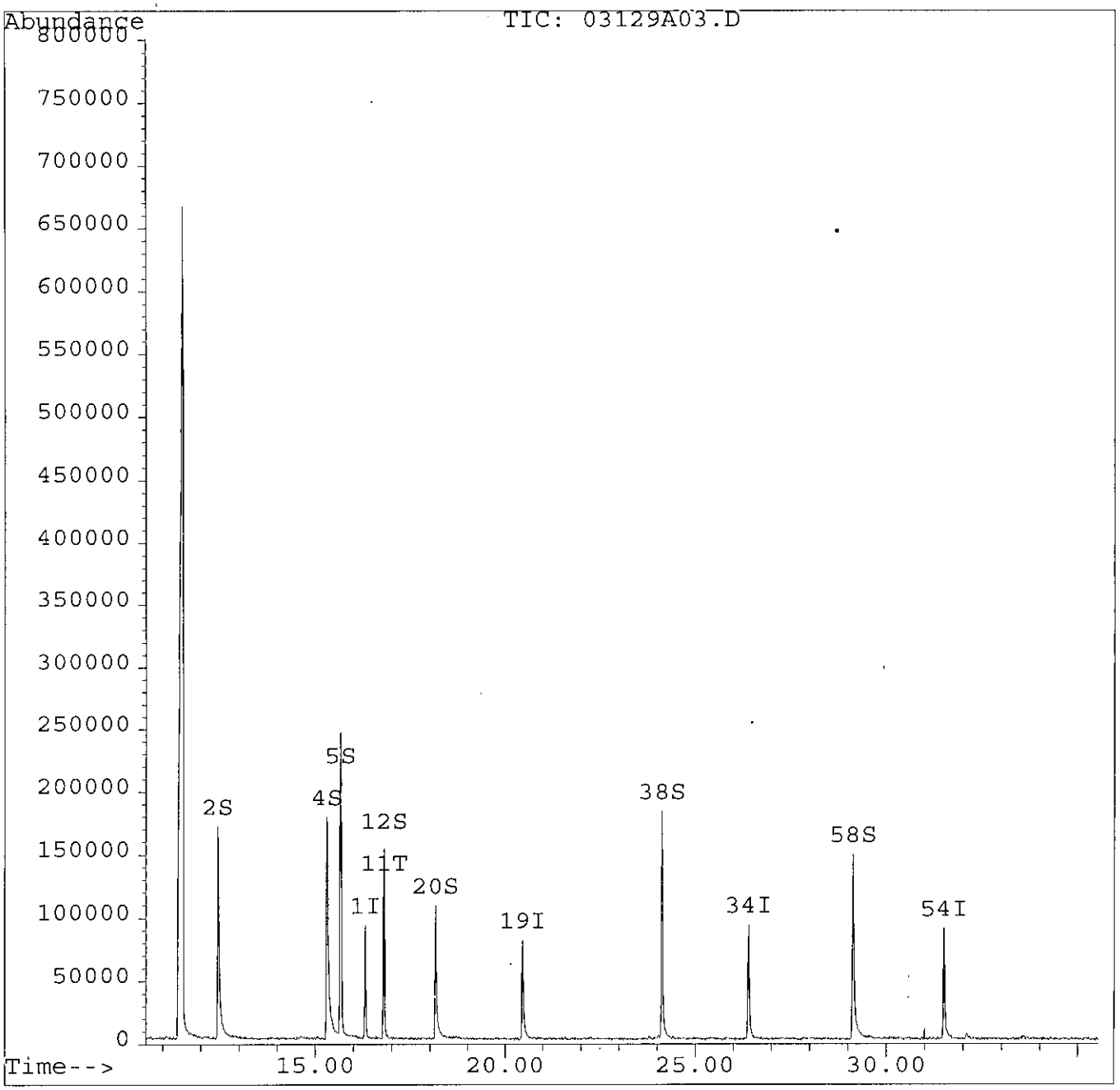
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : c:\hpchem\1\data\03129a03.d
Acq On : 12 Mar 99 10:22 am
Sample : LAB BLANK
Misc : American Glue & Resin P#99187
Quant Time: Mar 13 8:26 1999

Vial: 3
Operator: ESAT
Inst : 5988
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\03129A01.M
Title : semivolatiles
Last Update : Fri Mar 12 11:19:03 1999
Response via : Single Level Calibration

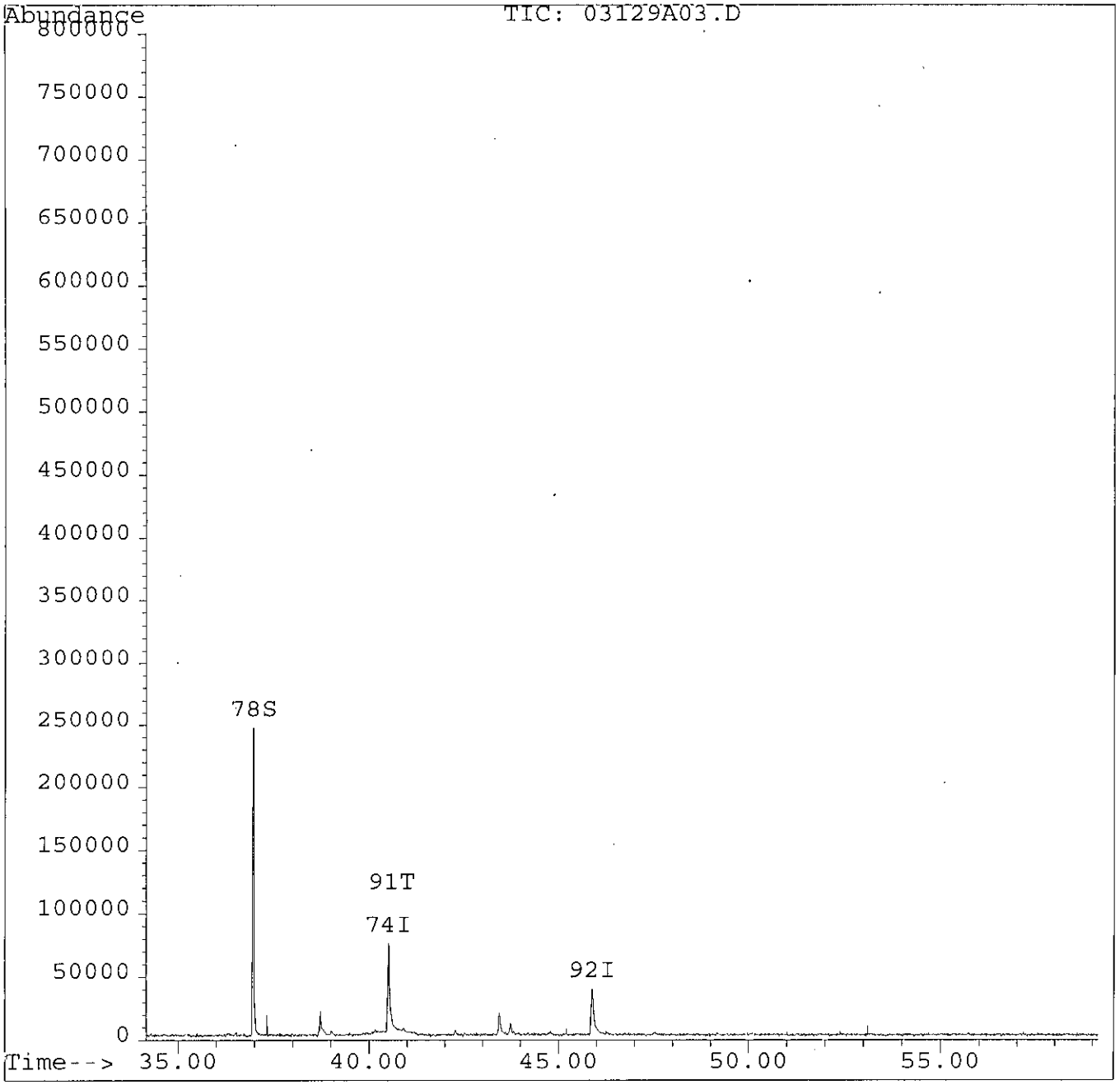


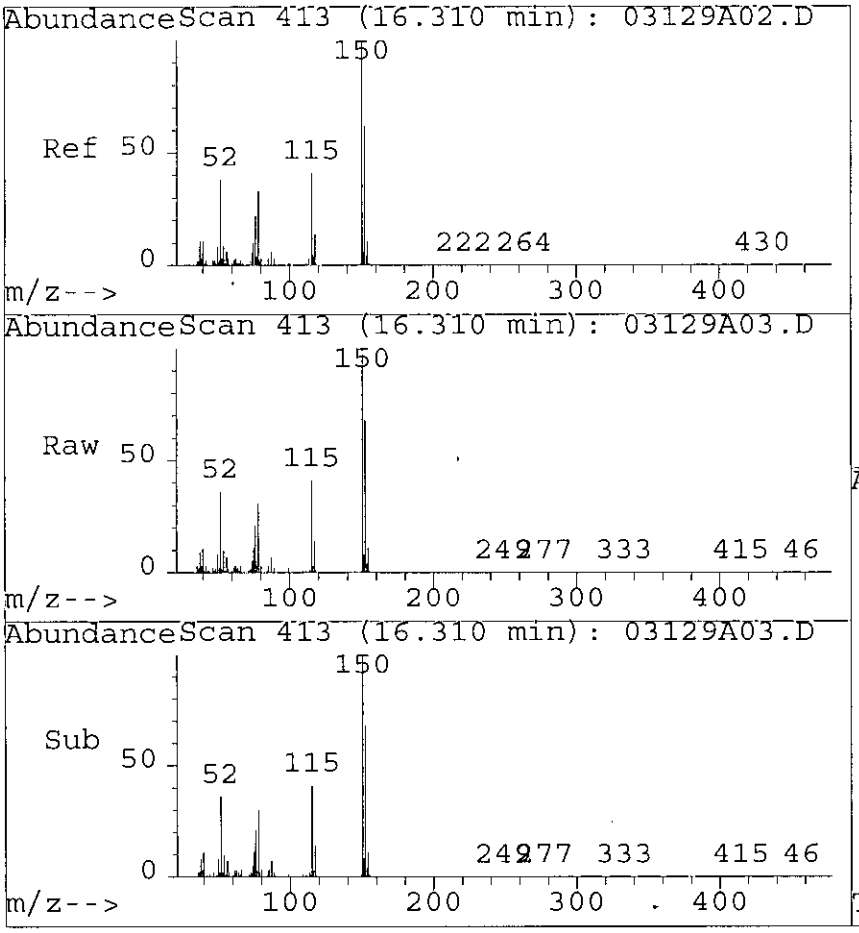
Quantitation Report

Data File : c:\hpchem\1\data\03129a03.d
Acq On : 12 Mar 99 10:22 am
Sample : LAB BLANK
Misc : American Glue & Resin P#99187
Quant Time: Mar 13 8:26 1999

Vial: 3
Operator: ESAT
Inst : 5988
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\03129A01.M
Title : semivolatiles
Last Update : Fri Mar 12 11:19:03 1999
Response via : Single Level Calibration

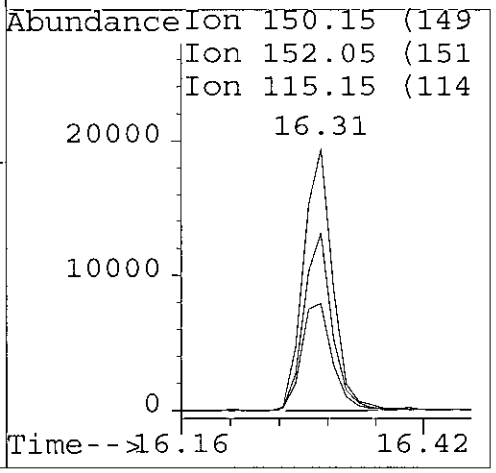


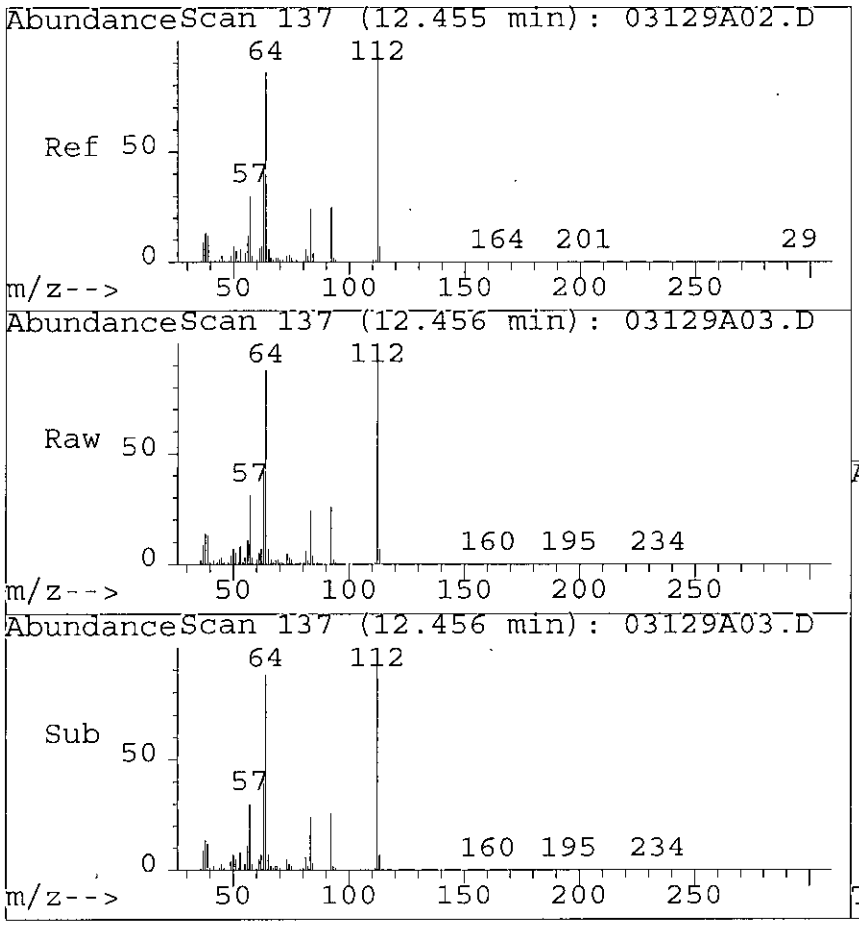


#1
1,4-DICHLOROBENZENE-D4
Concen: 40.00 ug/ml
RT: 16.31 min Scan# 413
Delta R.T. 0.00 min
Lab File: 03129a03.d
Acq: 12 Mar 99 10:22 am

Tgt Ion:150.15 Resp: 43615

Ion	Ratio	Lower	Upper
150	100		
152	67.7	51.1	76.6
115	40.7	34.7	52.0
0	0.0	0.0	0.0

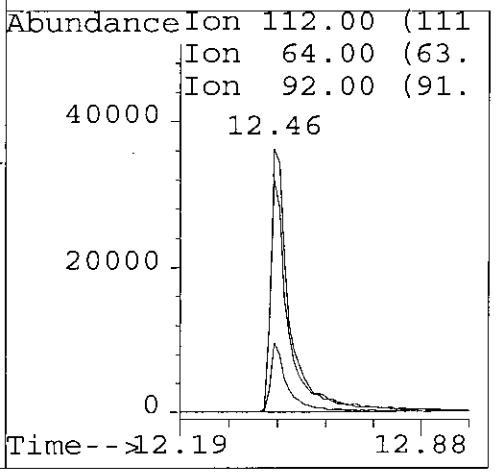


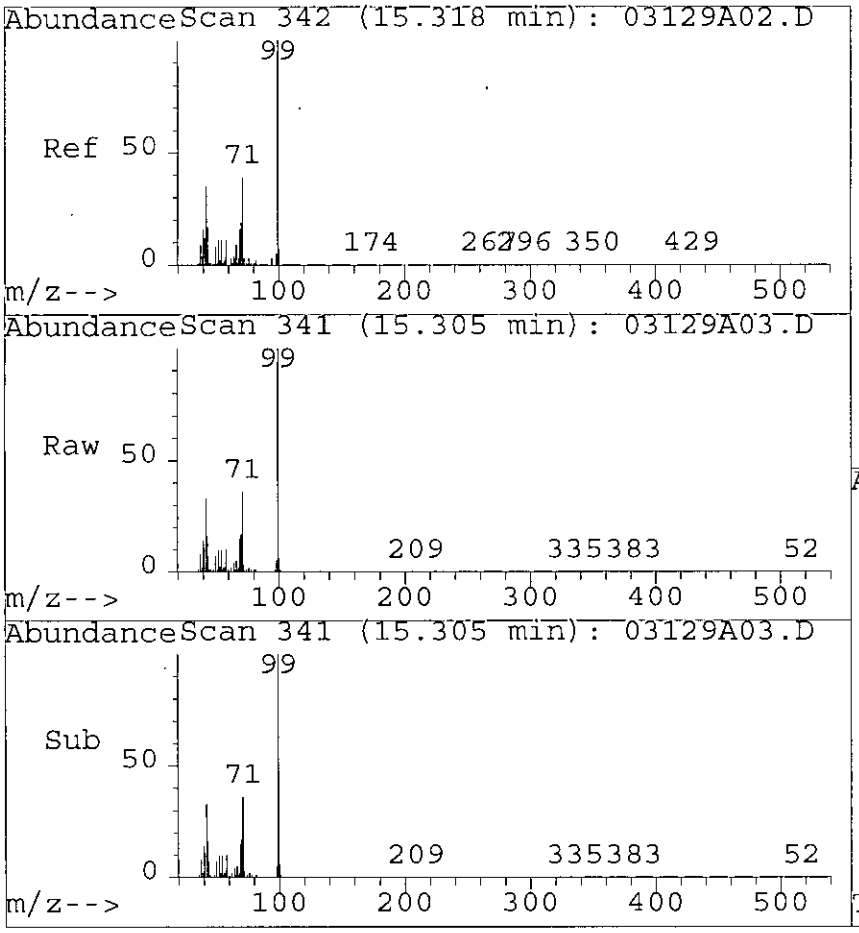


#2
FLUOROPHENOL
Concen: 163.52 ug/ml
RT: 12.46 min Scan# 137
Delta R.T. 0.00 min
Lab File: 03129a03.d
Acq: 12 Mar 99 10:22 am

Tgt Ion:112 Resp: 136378

Ion	Ratio	Lower	Upper
112	100		
64	88.1	55.4	83.1#
92	26.4	24.7	37.0
0	0.0	0.0	0.0

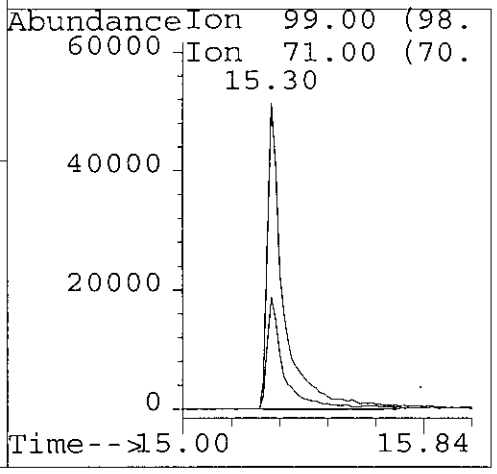


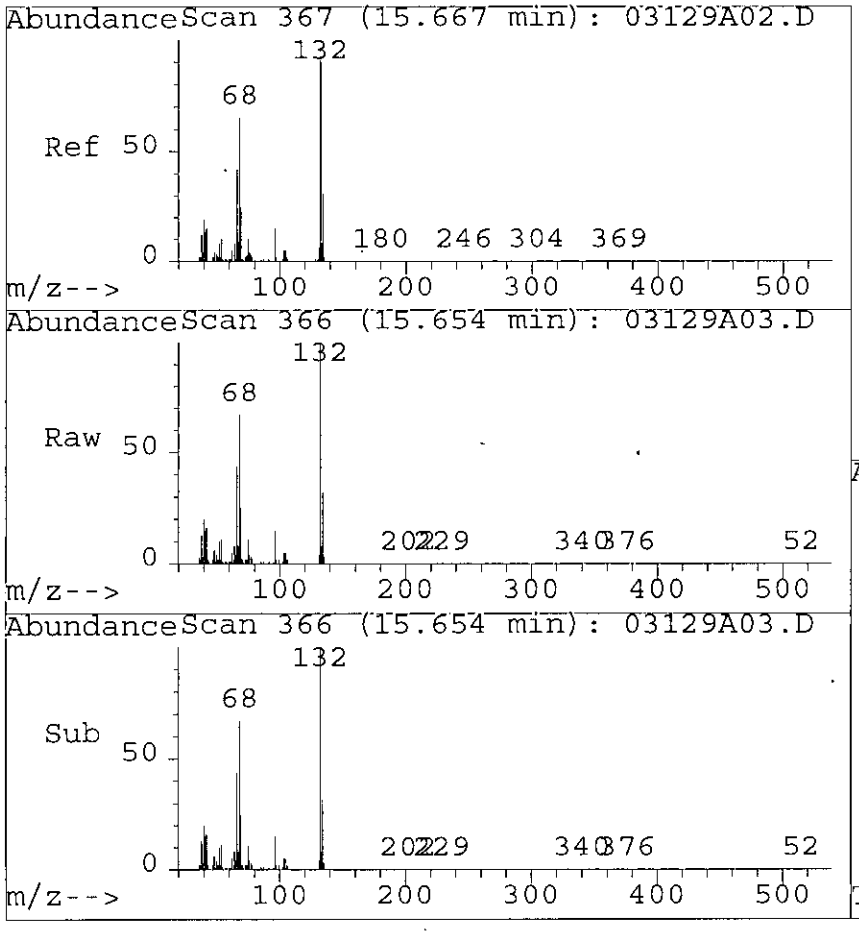


#4
PHENOL-D5
Concen: 178.27 ug/ml
RT: 15.30 min Scan# 341
Delta R.T. -0.01 min
Lab File: 03129a03.d
Acq: 12 Mar 99 10:22 am

Tgt Ion:99 Resp: 204384

Ion	Ratio	Lower	Upper
99	100		
71	36.5	27.7	41.4
0	0.0	0.0	0.0
0	0.0	0.0	0.0

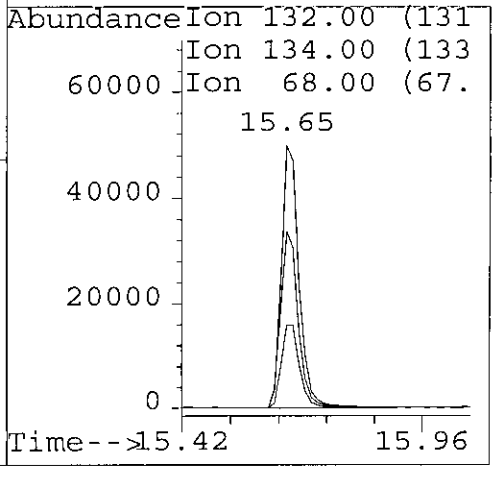


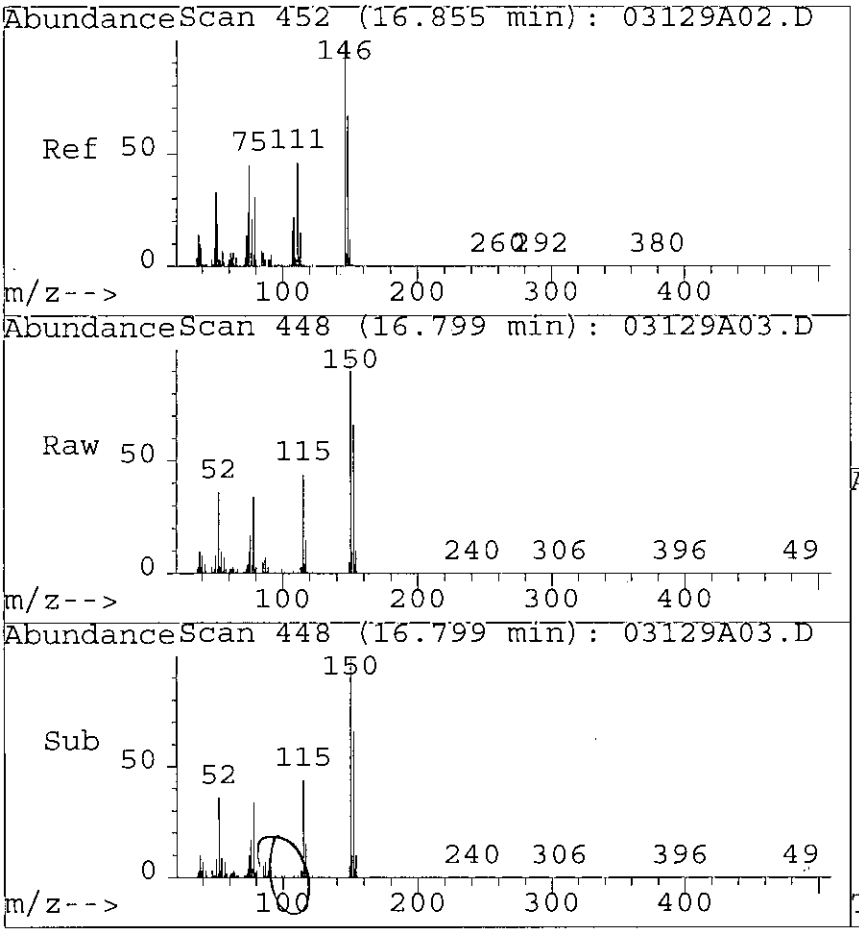


#5
2-CHLOROPHENOL-D4
Concen: 163.61 ug/ml
RT: 15.65 min Scan# 366
Delta R.T. -0.01 min
Lab File: 03129a03.d
Acq: 12 Mar 99 10:22 am

Tgt Ion:132 Resp: 141270

Ion	Ratio	Lower	Upper
132	100		
134	31.9	24.0	35.9
68	67.4	40.0	59.9#
0	0.0	0.0	0.0

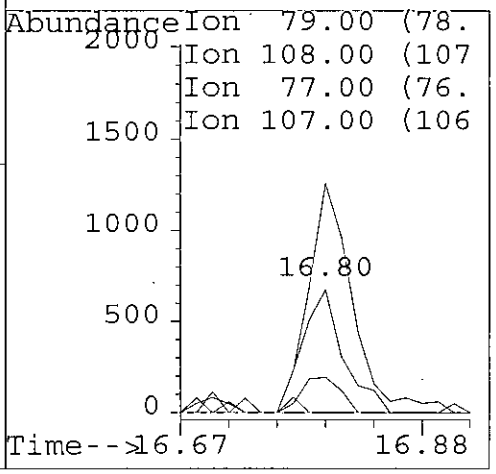


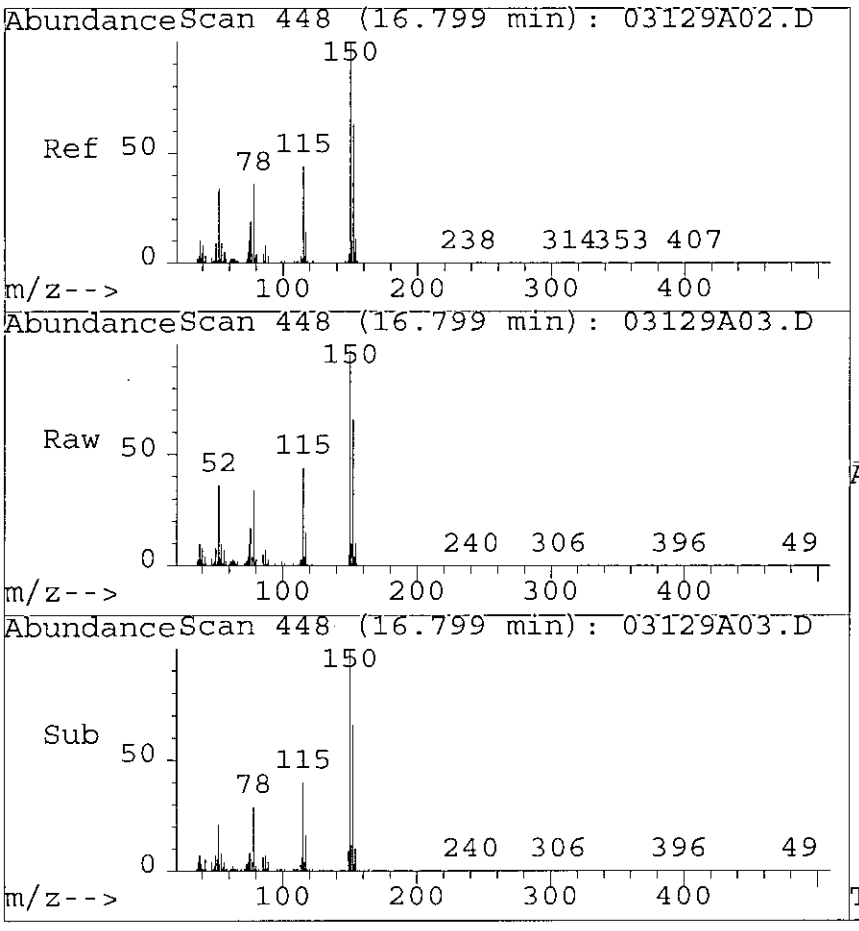


#11
BENZYL ALCOHOL
Concen: 3.28 ug/ml
RT: 16.80 min Scan# 448
Delta R.T. -0.06 min
Lab File: 03129a03.d
Acq: 12 Mar 99 10:22 am

Tgt Ion:79 Resp: 1670

Ion	Ratio	Lower	Upper
79	100		
108	28.7	49.9	74.8#
77	186.9	53.8	80.7#
107	0.0	39.1	58.6#

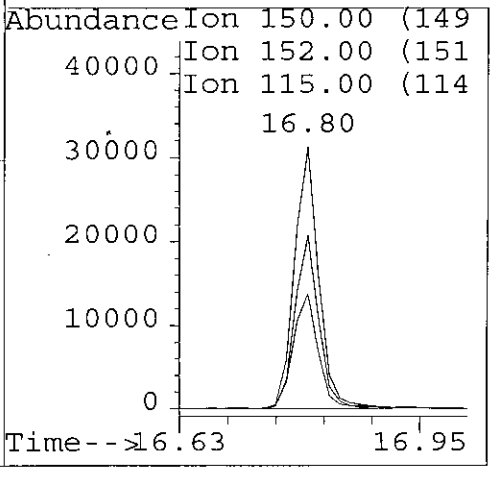


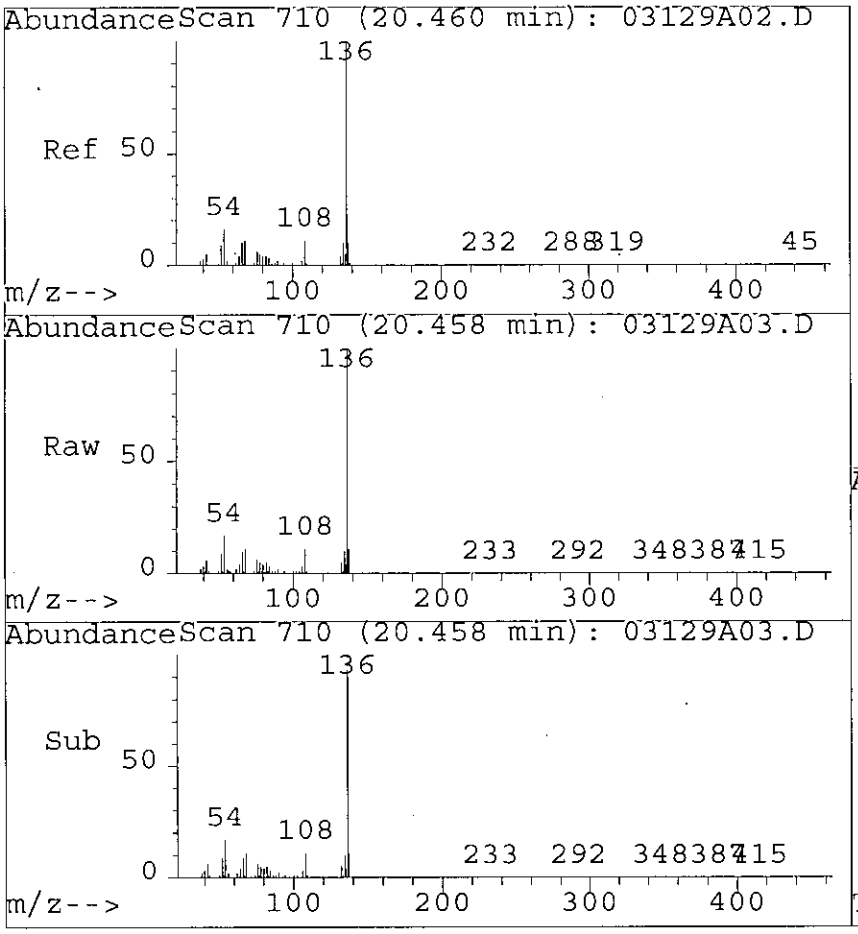


#12
1,2-DICHLOROBENZENE-D4
Concen: 69.73 ug/ml
RT: 16.80 min Scan# 448
Delta R.T. 0.00 min
Lab File: 03129a03.d
Acq: 12 Mar 99 10:22 am

Tgt Ion:150 Resp: 69360

Ion	Ratio	Lower	Upper
150	100		
152	66.4	52.2	78.3
115	44.3	37.8	56.7
0	0.0	0.0	0.0

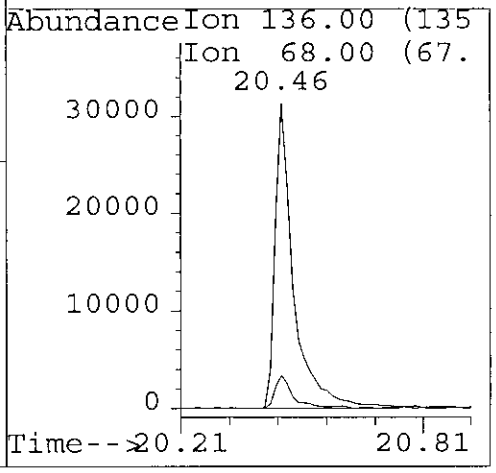


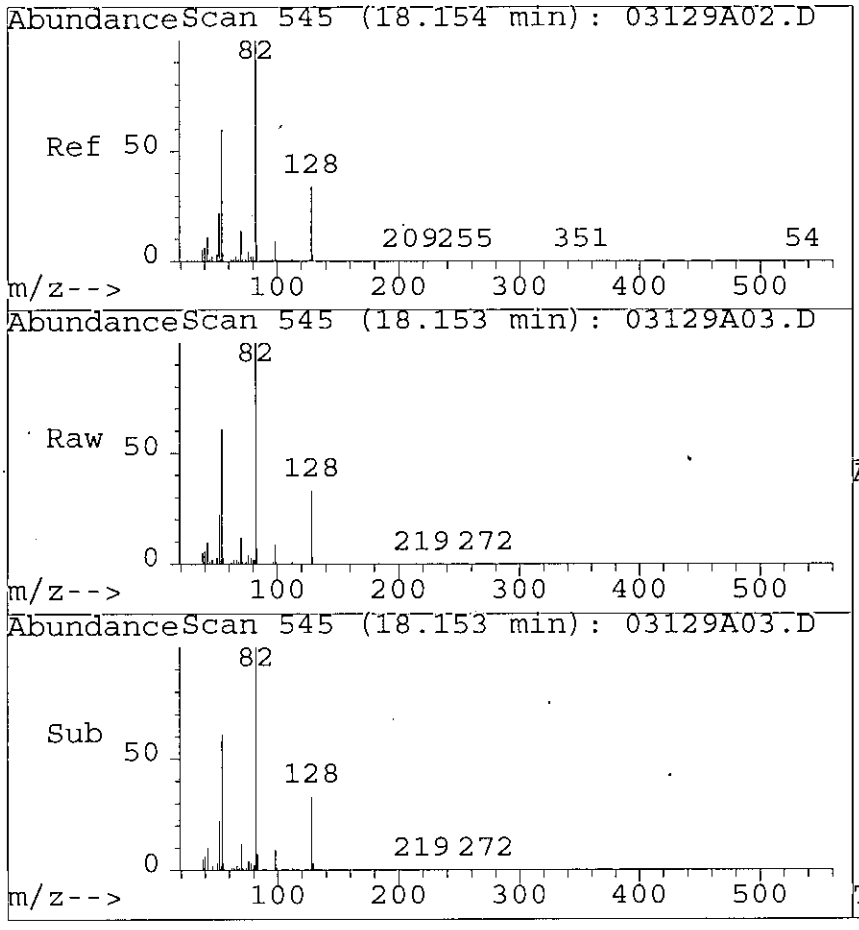


#19
NAPHTHALENE-D8
Concen: 40.00 ug/ml
RT: 20.46 min Scan# 710
Delta R.T. -0.00 min
Lab File: 03129a03.d
Acq: 12 Mar 99 10:22 am

Tgt Ion:136 Resp: 101417

Ion	Ratio	Lower	Upper
136	100		
68	10.9	6.0	8.9#
0	0.0	0.0	0.0
0	0.0	0.0	0.0

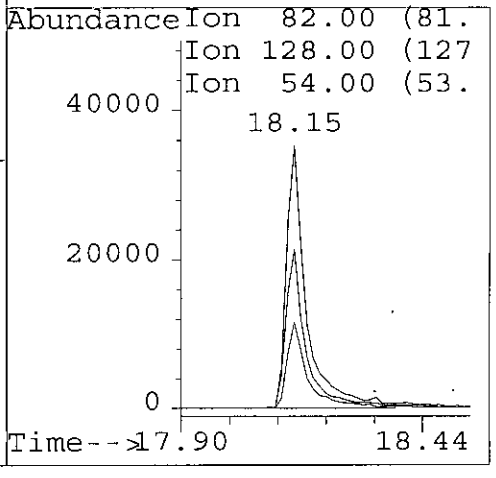


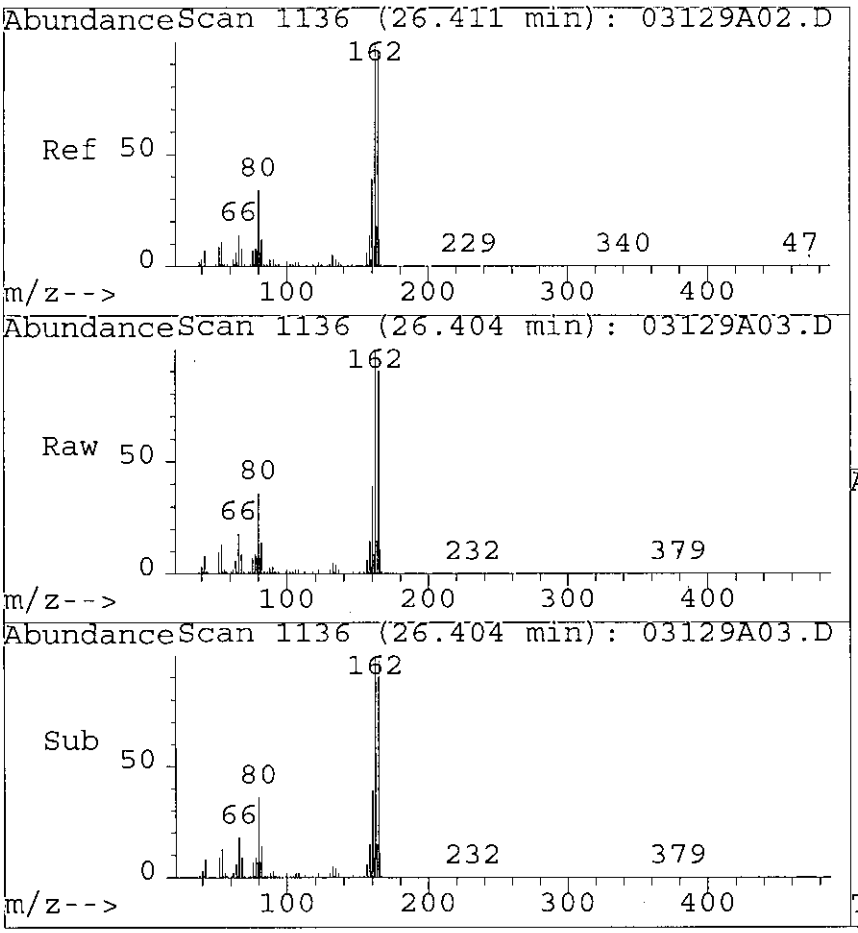


#20
NITROBENZENE-D5
Concen: 73.63 ug/ml
RT: 18.15 min Scan# 545
Delta R.T. -0.00 min
Lab File: 03129a03.d
Acq: 12 Mar 99 10:22 am

Tgt Ion:82 Resp: 110167

Ion	Ratio	Lower	Upper
82	100		
128	33.0	34.4	51.5#
54	61.0	42.9	64.4
0	0.0	0.0	0.0

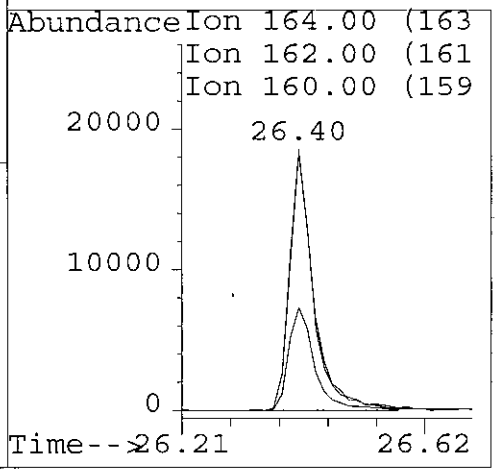


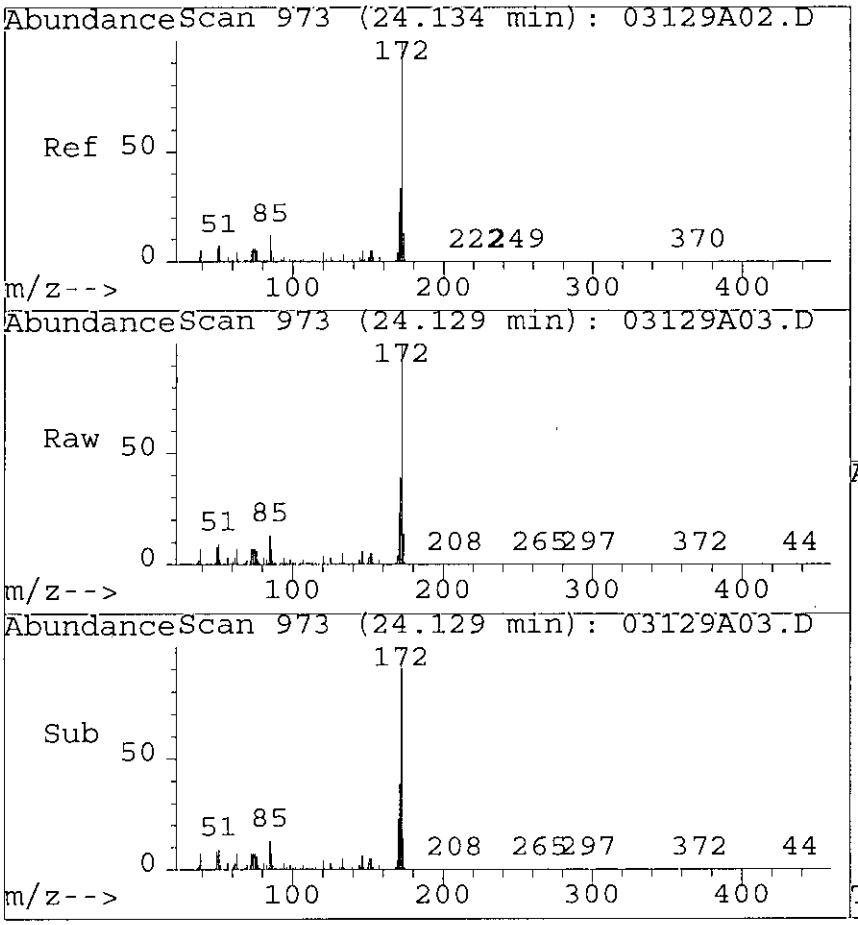


#34
ACENAPHTHENE-D10
Concen: 40.00 ug/ml
RT: 26.40 min Scan# 1136
Delta R.T. -0.01 min
Lab File: 03129a03.d
Acq: 12 Mar 99 10:22 am

Tgt Ion:164 Resp: 49656

Ion	Ratio	Lower	Upper
164	100		
162	102.2	82.3	123.4
160	40.1	33.6	50.3
0	0.0	0.0	0.0

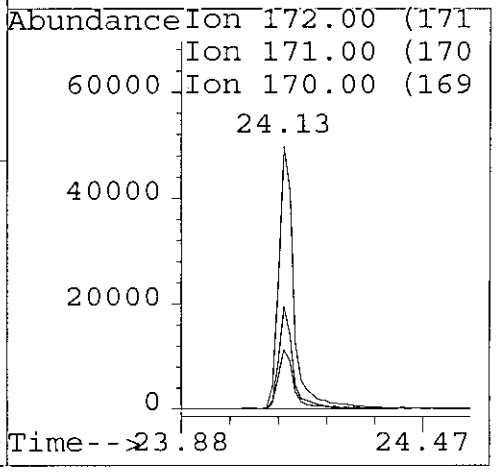


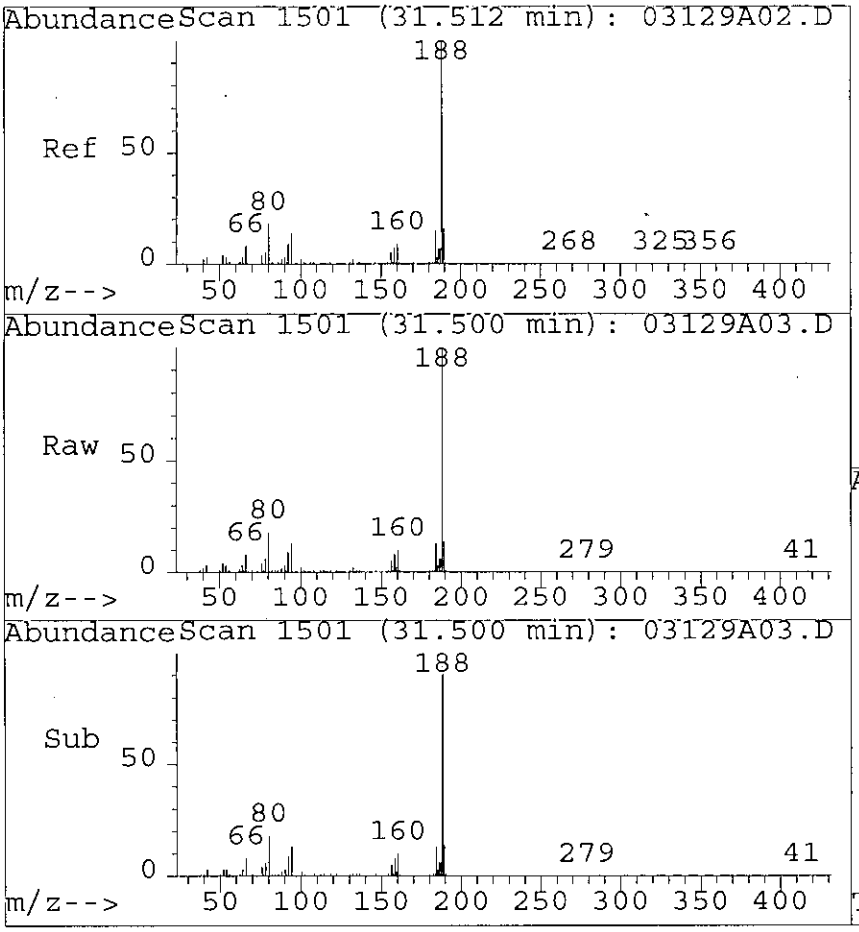


#38
FLUOROBIPHENYL
Concen: 78.05 ug/ml
RT: 24.13 min Scan# 973
Delta R.T. -0.00 min
Lab File: 03129a03.d
Acq: 12 Mar 99 10:22 am

Tgt Ion:172 Resp: 129833

Ion	Ratio	Lower	Upper
172	100		
171	39.2	30.5	45.8
170	23.0	18.4	27.5
0	0.0	0.0	0.0

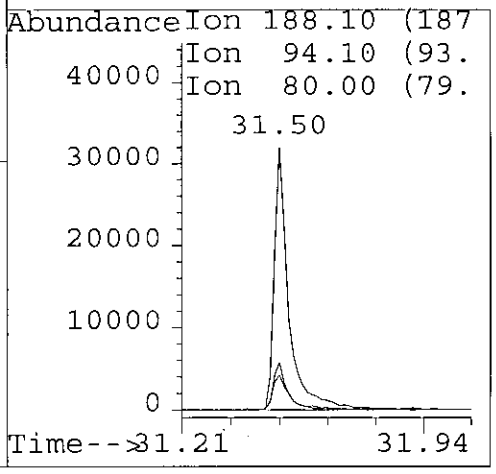


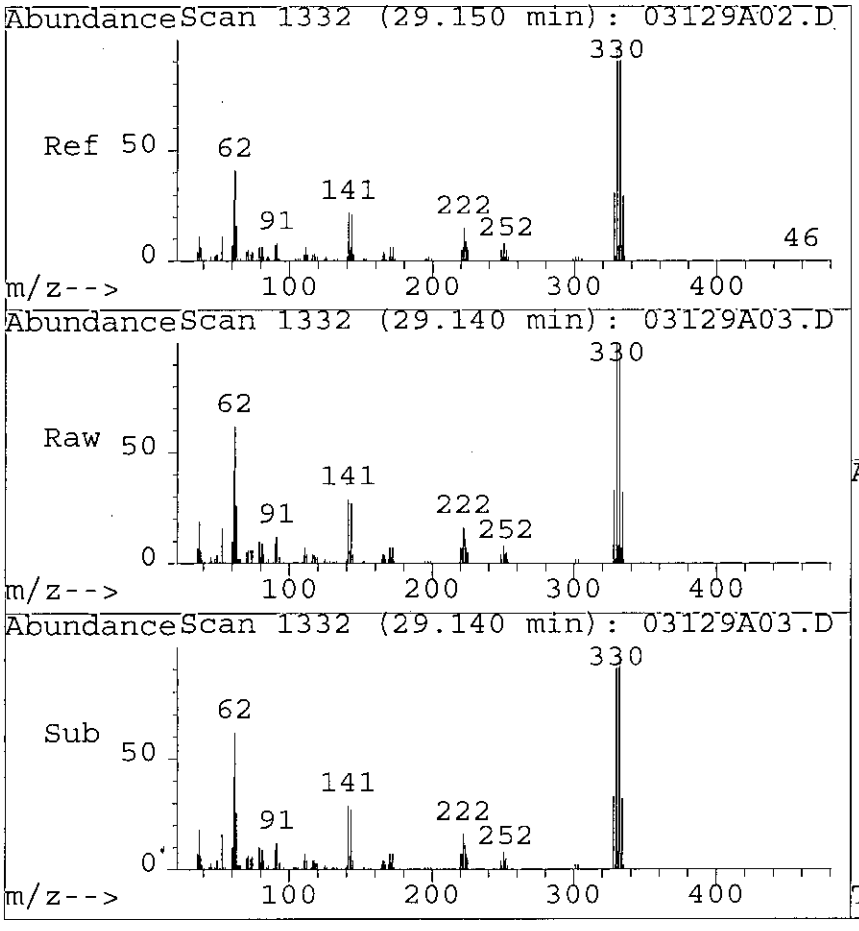


#54
PHENANTHRENE-D10
Concen: 40.00 ug/ml
RT: 31.50 min Scan# 1501
Delta R.T. -0.01 min
Lab File: 03129a03.d
Acq: 12 Mar 99 10:22 am

Tgt Ion:188.1 Resp: 97365

Ion	Ratio	Lower	Upper
188	100		
94	13.3	11.6	17.3
80	17.9	13.7	20.5
0	0.0	0.0	0.0

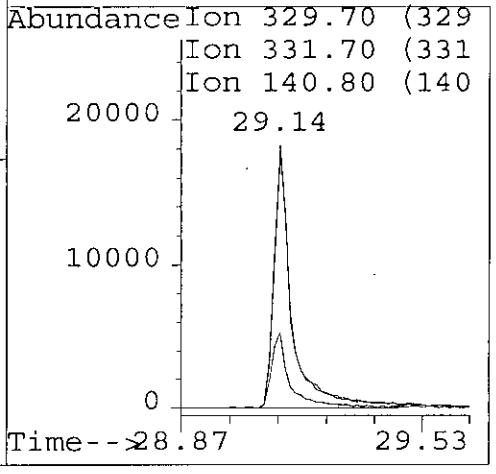


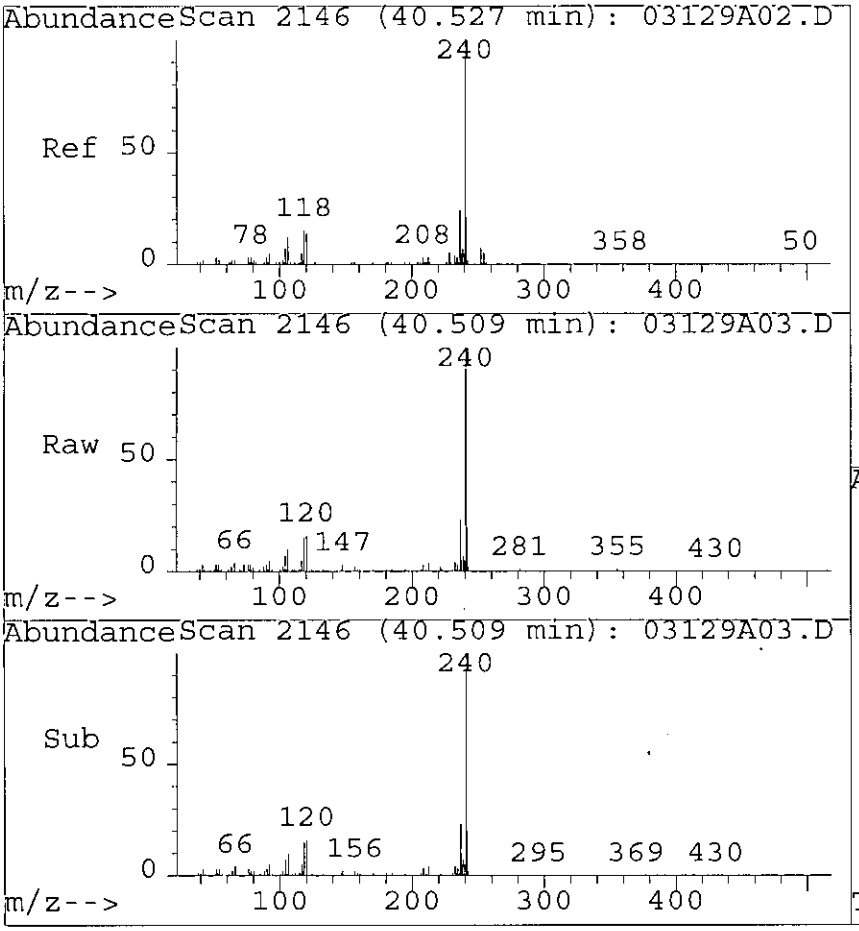


#58
2,4,6-TRIBROMOPHENOL
Concen: 157.41 ug/ml
RT: 29.14 min Scan# 1332
Delta R.T. -0.01 min
Lab File: 03129a03.d
Acq: 12 Mar 99 10:22 am

Tgt Ion:329.7 Resp: 61308

Ion	Ratio	Lower	Upper
330	100		
332	96.6	69.7	104.5
141	29.0	30.9	46.4#
0	0.0	0.0	0.0

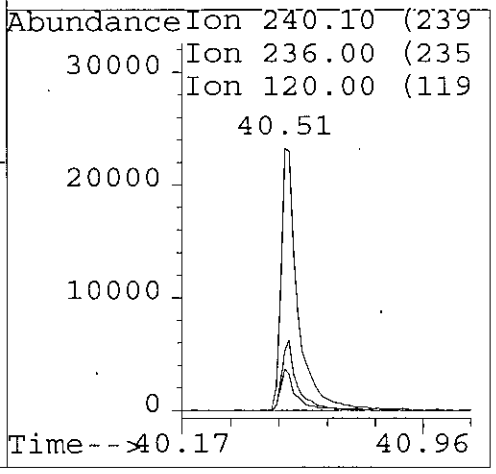


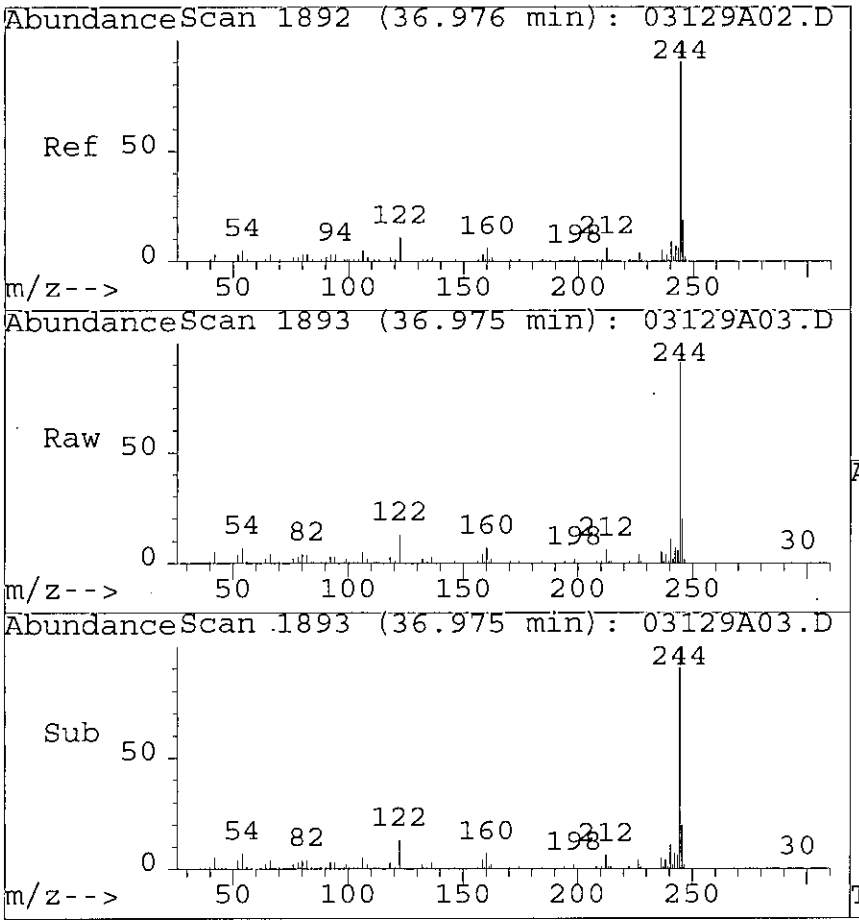


#74
CHRYSENE-D12
Concen: 40.00 ug/ml
RT: 40.51 min Scan# 2146
Delta R.T. -0.02 min
Lab File: 03129a03.d
Acq: 12 Mar 99 10:22 am

Tgt Ion:240.1 Resp: 89404

Ion	Ratio	Lower	Upper
240	100		
236	22.7	20.6	30.9
120	15.7	17.5	26.2#
0	0.0	0.0	0.0

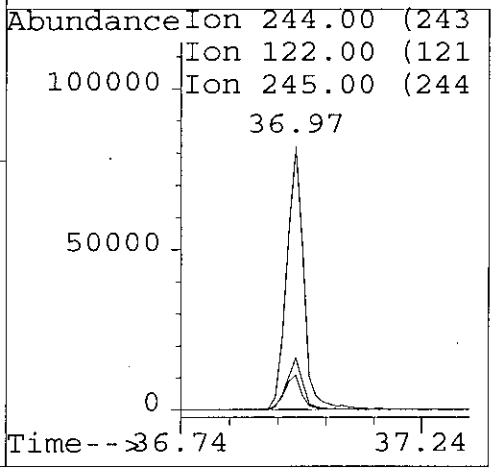


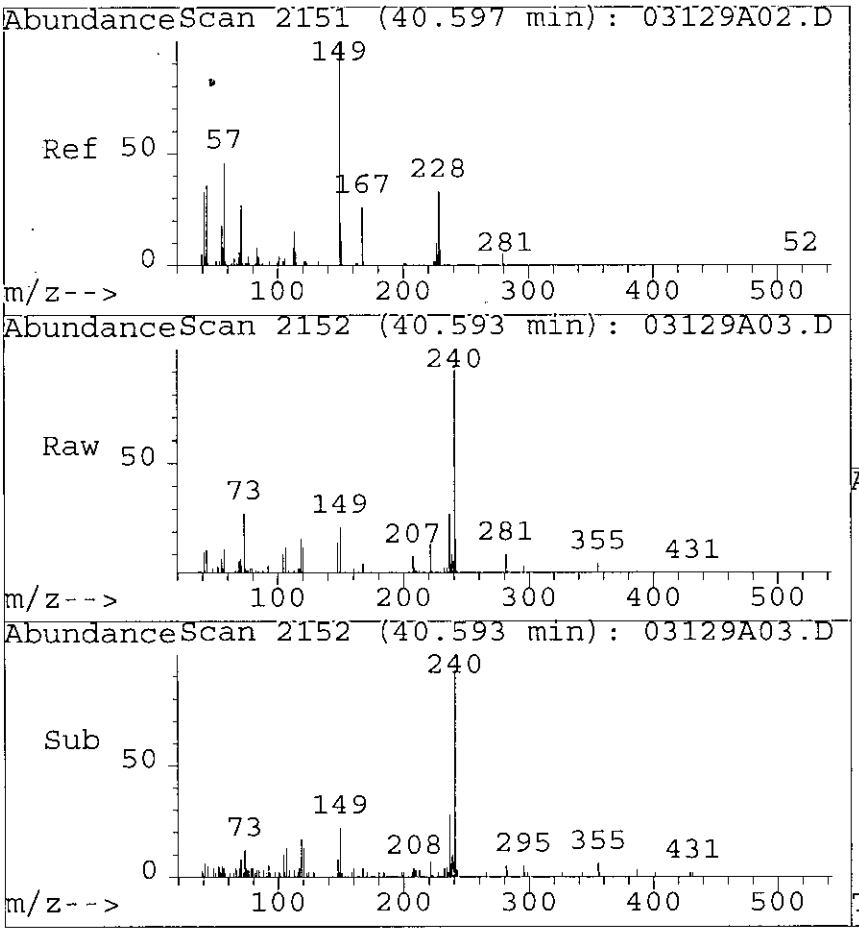


#78
P-TERPHENYL-D14
Concen: 90.64 ug/ml
RT: 36.97 min Scan# 1893
Delta R.T. -0.00 min
Lab File: 03129a03.d
Acq: 12 Mar 99 10:22 am

Tgt Ion:244 Resp: 200610

Ion	Ratio	Lower	Upper
244	100		
122	13.2	15.3	23.0#
245	19.9	15.6	23.3
0	0.0	0.0	0.0

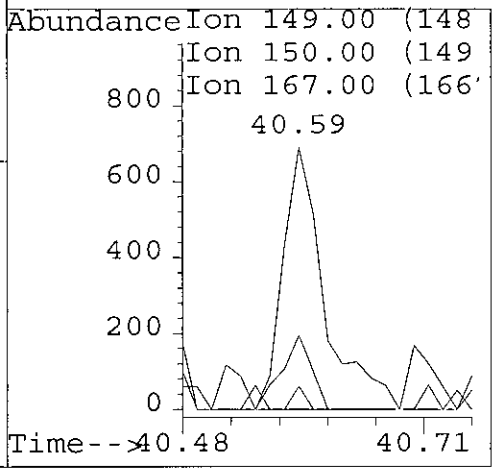


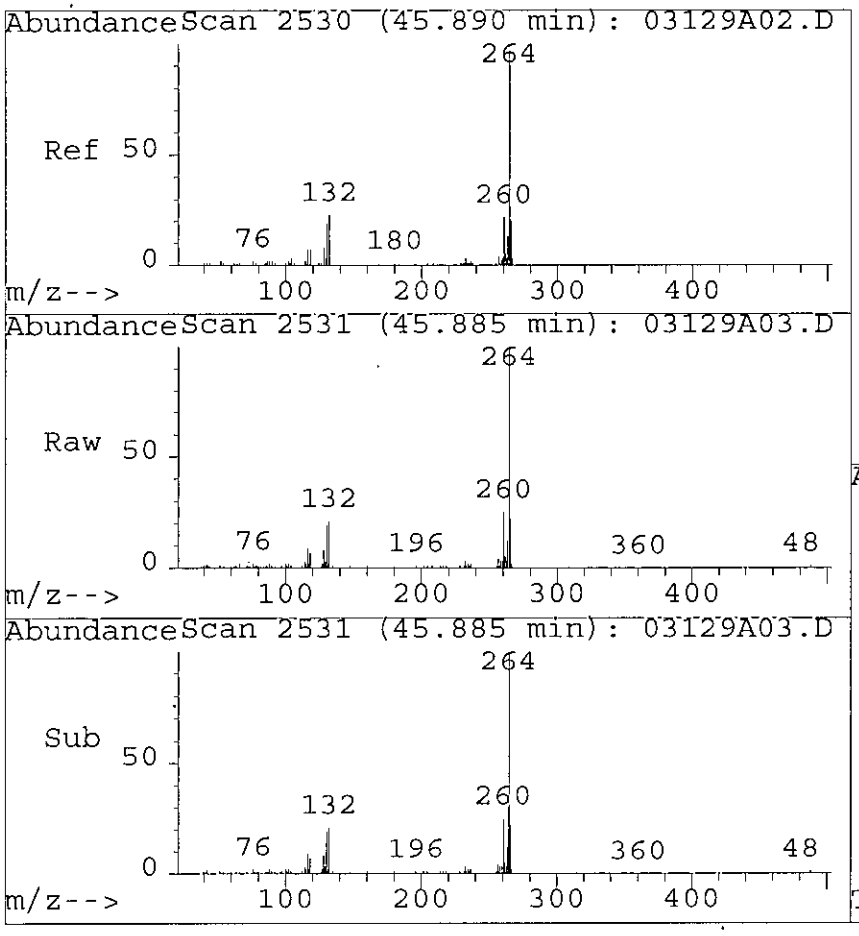


#91
BIS(2-ETHYLHEXYL)PHTHALATE
Concen: 0.89 ug/ml
RT: 40.59 min Scan# 2152
Delta R.T. -0.00 min
Lab File: 03129a03.d
Acq: 12 Mar 99 10:22 am

Tgt Ion:149 Resp: 1925

Ion	Ratio	Lower	Upper
149	100		
150	8.8	9.5	14.2#
167	28.3	20.5	30.7
0	0.0	0.0	0.0

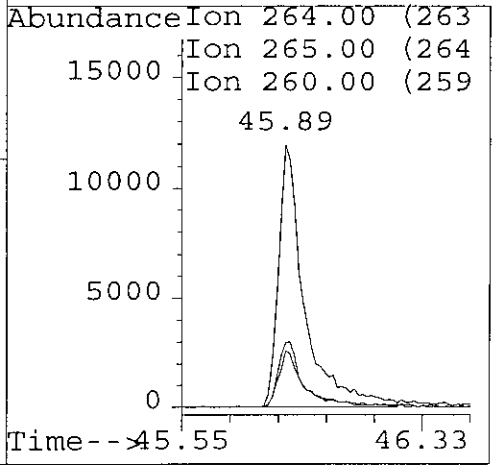




#92
PERYLENE-D12
Concen: 40.00 ug/ml
RT: 45.89 min Scan# 2531
Delta R.T. -0.00 min
Lab File: 03129a03.d
Acq: 12 Mar 99 10:22 am

Tgt Ion:264 Resp: 70435

Ion	Ratio	Lower	Upper
264	100		
265	21.8	17.1	25.6
260	25.0	19.3	28.9
0	0.0	0.0	0.0



TIC: 03129A03.D

LAB BLANK

Peak#	Ret Time	Type	Width	Area	Start Time	End Time
1	11.101	rVB	0.112	10480	11.059	11.171
2	11.534	rBV	0.349	3742066	11.353	11.702
3	12.456	rBV	0.419	628793-S	12.386	12.806
4	15.054	rVB	0.126	10686	15.012	15.137
5	15.305	rBV	0.321	695801-S	15.249	15.570
6	15.654	rVB	0.266	693161-S	15.584	15.850
7	16.310	rBV	0.154	218704-IS	16.240	16.394
8	16.799	rVB	0.224	350060-S	16.715	16.939
9	17.386	rVB	0.139	11409	17.330	17.469
10	18.153	rBV	0.321	338538-S	18.042	18.363
11	20.458	rBV	0.265	259443-IS	20.374	20.639
12	23.808	rVB	0.126	12633	23.752	23.878
13	24.129	rVB	0.308	462812-S	24.073	24.381
14	26.404	rBV	0.237	258704-IS	26.335	26.572
15	27.856	rBV	0.139	12292	27.786	27.926
16	29.140	rBV	0.406	529175-S	29.056	29.462
17	29.574	rVB	0.126	14562	29.560	29.685
18	30.341	rVB	0.126	11825	30.327	30.453
19	30.998	rBV	0.056	10316	30.970	31.026
20	31.500	rBV	0.350	272117-IS	31.388	31.738
21	32.087	rBV	0.098	16338	32.045	32.143
22	33.567	rVB	0.098	10726	33.539	33.637
23	36.333	rBV	0.140	16377	36.249	36.389
24	36.975	rBV	0.210	600484-S	36.905	37.115
25	37.324	rVB	0.070	13804	37.296	37.366
26	38.721	rBV	0.279	90020	38.637	38.916
27	39.014	rVB	0.168	21391	38.958	39.126
28	40.160	rBV	0.098	10087	40.104	40.202
29	40.509	rBV	0.266	301948-IS	40.453	40.719
30	40.914	rVB	0.140	13953	40.872	41.012
31	42.283	rBV	0.126	13321	42.227	42.353
32	42.521	rBV	0.098	11959	42.479	42.577
33	43.442	rBV	0.223	80026	43.358	43.582
34	43.735	rBV	0.140	30048	43.665	43.805
35	44.796	rVB	0.168	15014	44.713	44.880
36	45.885	rBV	0.321	209407-IS	45.816	46.137
37	53.117	rBV	0.084	12221	53.075	53.159

Library Search Compound Report

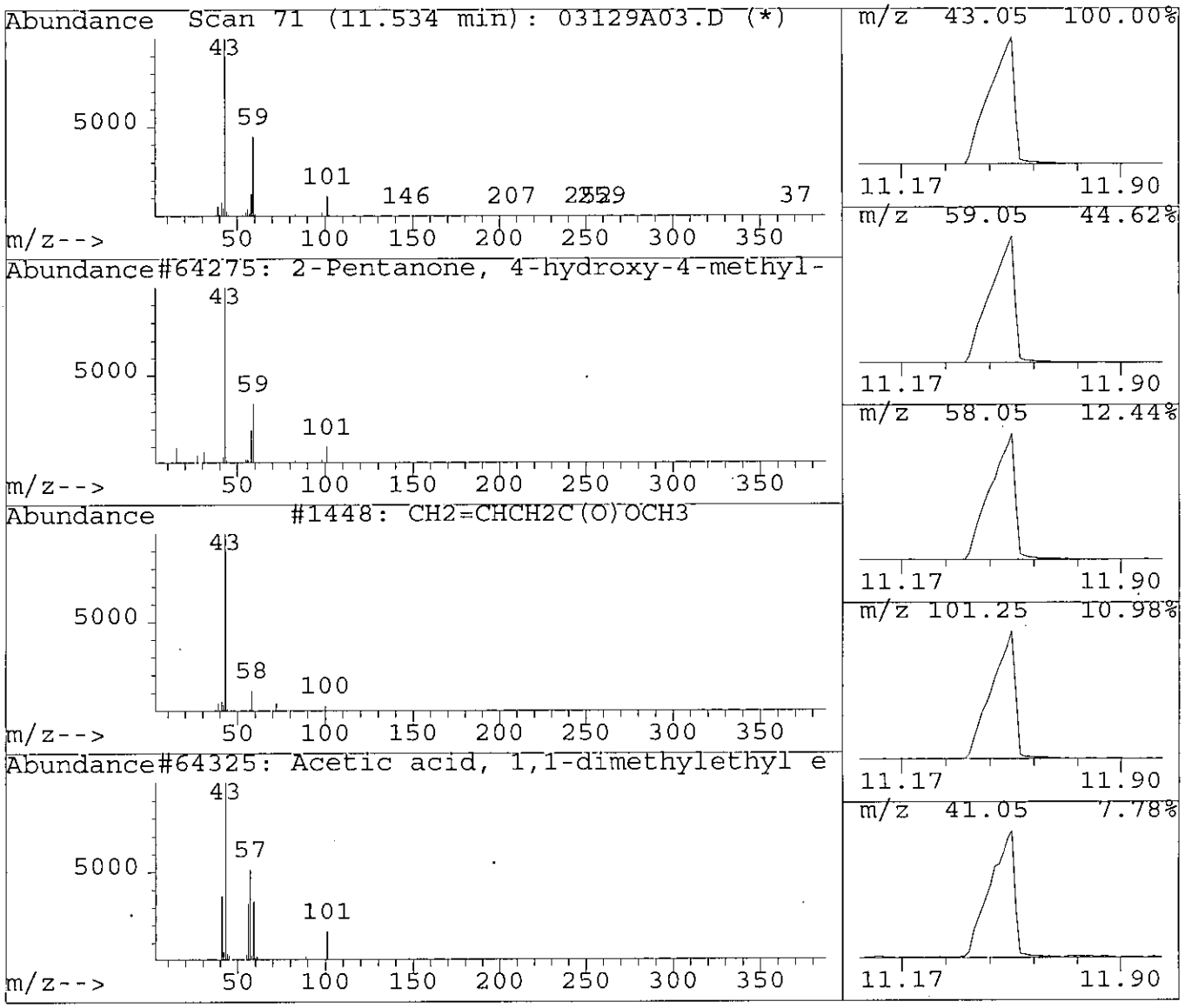
Data File : C:\HPCHEM\1\DATA\03129A03.D
Acq On : 12 Mar 99 10:22 am
Sample : LAB BLANK
Misc : American Glue & Resin P#99187

Vial: 3
Operator: ESAT
Inst : 5988
Multiplr: 199.68

Method : C:\HPCHEM\1\METHODS\03129A01.M
Title : semivolatiles
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	R.T.
11.53 ✓	136663.16 ug/ml	3742066 ✓	1,4-DICHLOROBENZENE-D4	16.31

Hit# of 20	Tentative ID	Ref#	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	64275	000123-42-2	50
2	CH2=CHCH2C(O)OCH3	1448	003724-55-8	12
3	Acetic acid, 1,1-dimethylethyl este	64325	000540-88-5	9
4	2-Propanone, 1-(1-methylethoxy)-	3286	042781-12-4	9
5	2,3-Butanedione, monooxime	1607	000057-71-6	7



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\03129A03.D
Acq On : 12 Mar 99 10:22 am
Sample : LAB BLANK
Misc : American Glue & Resin P#99187

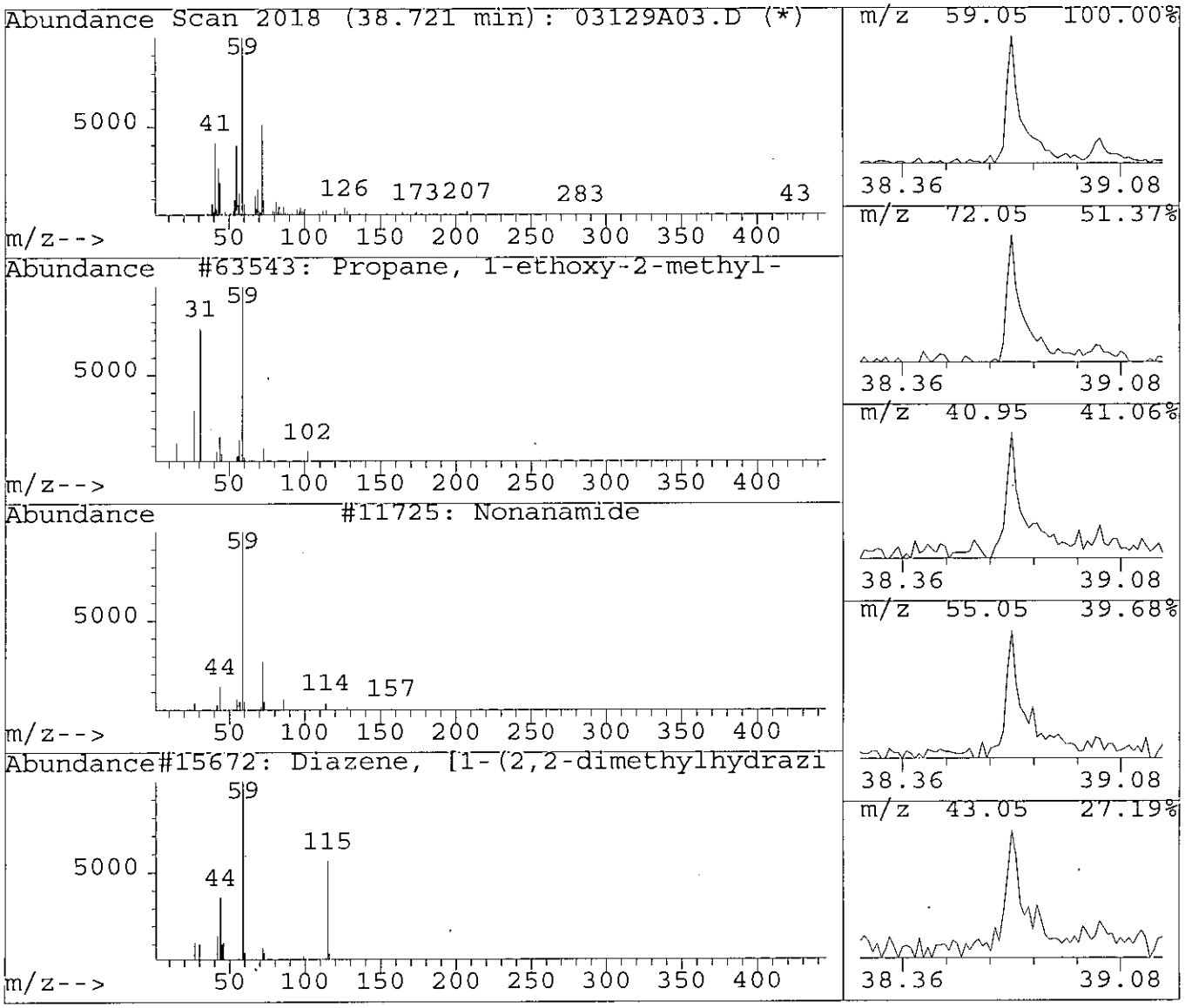
Vial: 3
Operator: ESAT
Inst : 5988
Multiplr: 199.68

Method : C:\HPCHEM\1\METHODS\03129A01.M
Title : semivolatiles
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	R.T.
38.72 ✓	2381.24 ug/ml	90020 ✓	CHRYSENE-D12	40.51

Hit# of 20	Tentative ID	Ref#	CAS#	Qual
1	Propane, 1-ethoxy-2-methyl-	63543	000627-02-1	43
2	Nonanamide	11725	001120-07-6	42
3	Diazene, [1-(2,2-dimethylhydrazino)	15672	061940-94-1	40
4	Propanoic acid, 2-hydroxy-2-methyl-	3494	002110-78-3	38
5	Butanamide	62880	000541-35-5	38

UNK



Library Search Compound Report

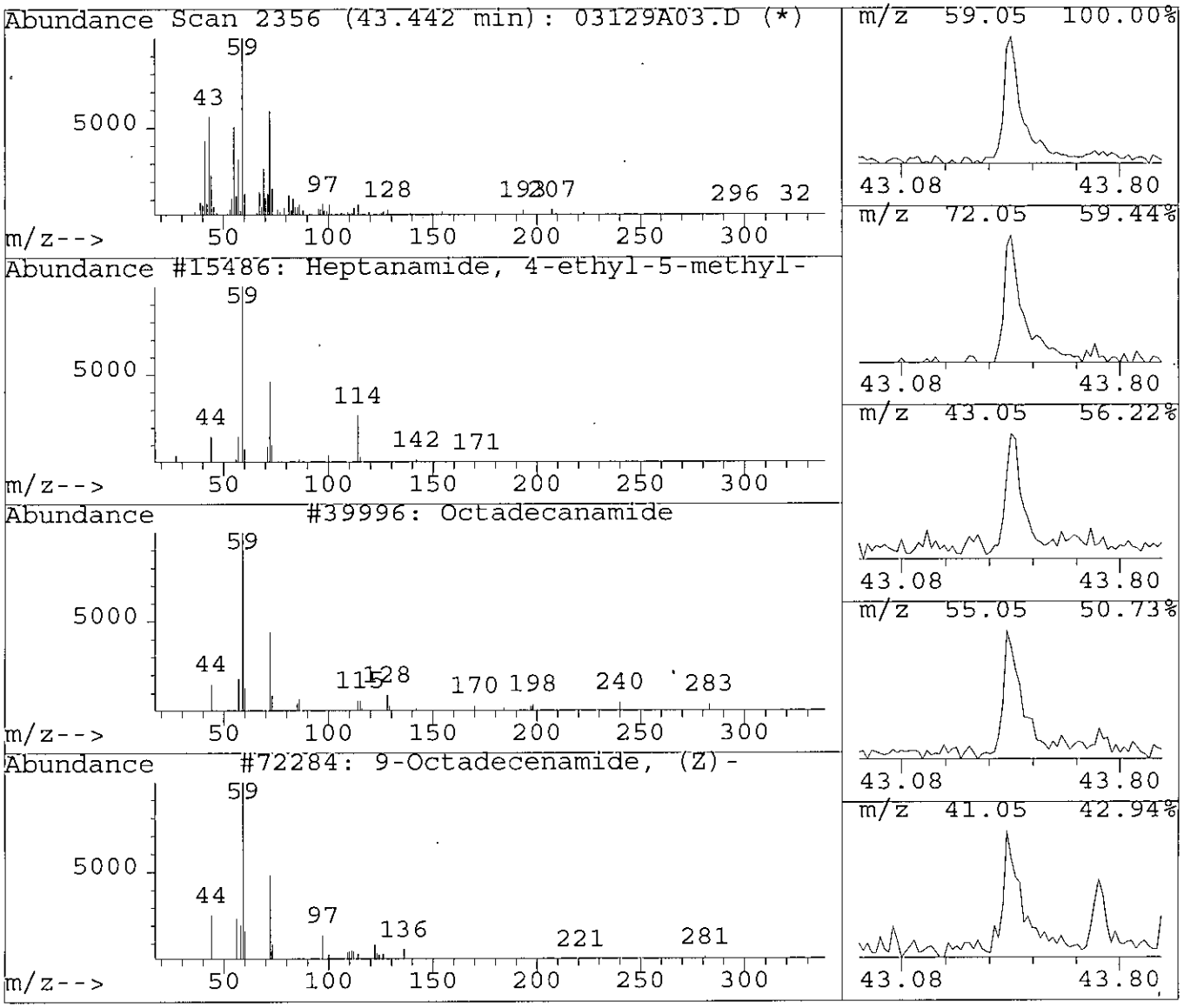
Data File : C:\HPCHEM\1\DATA\03129A03.D
Acq On : 12 Mar 99 10:22 am
Sample : LAB BLANK
Misc : American Glue & Resin P#99187

Vial: 3
Operator: ESAT
Inst : 5988
Multiplr: 199.68

Method : C:\HPCHEM\1\METHODS\03129A01.M
Title : semivolatiles
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	R.T.
43.44	3052.37 ug/ml	80026	PERYLENE-D12	45.89

Hit# of 20	Tentative ID	Ref#	CAS#	Qual
1	Heptanamide, 4-ethyl-5-methyl-	15486	054789-40-1	72
2	Octadecanamide	39996	000124-26-5	72
3	9-Octadecenamide, (Z)-	72284	000301-02-0	64
4	Pentanamide, 4-methyl-	3136	001119-29-5	56
5	Dodecanamide	22660	001120-16-7	53



Library Search Compound Report

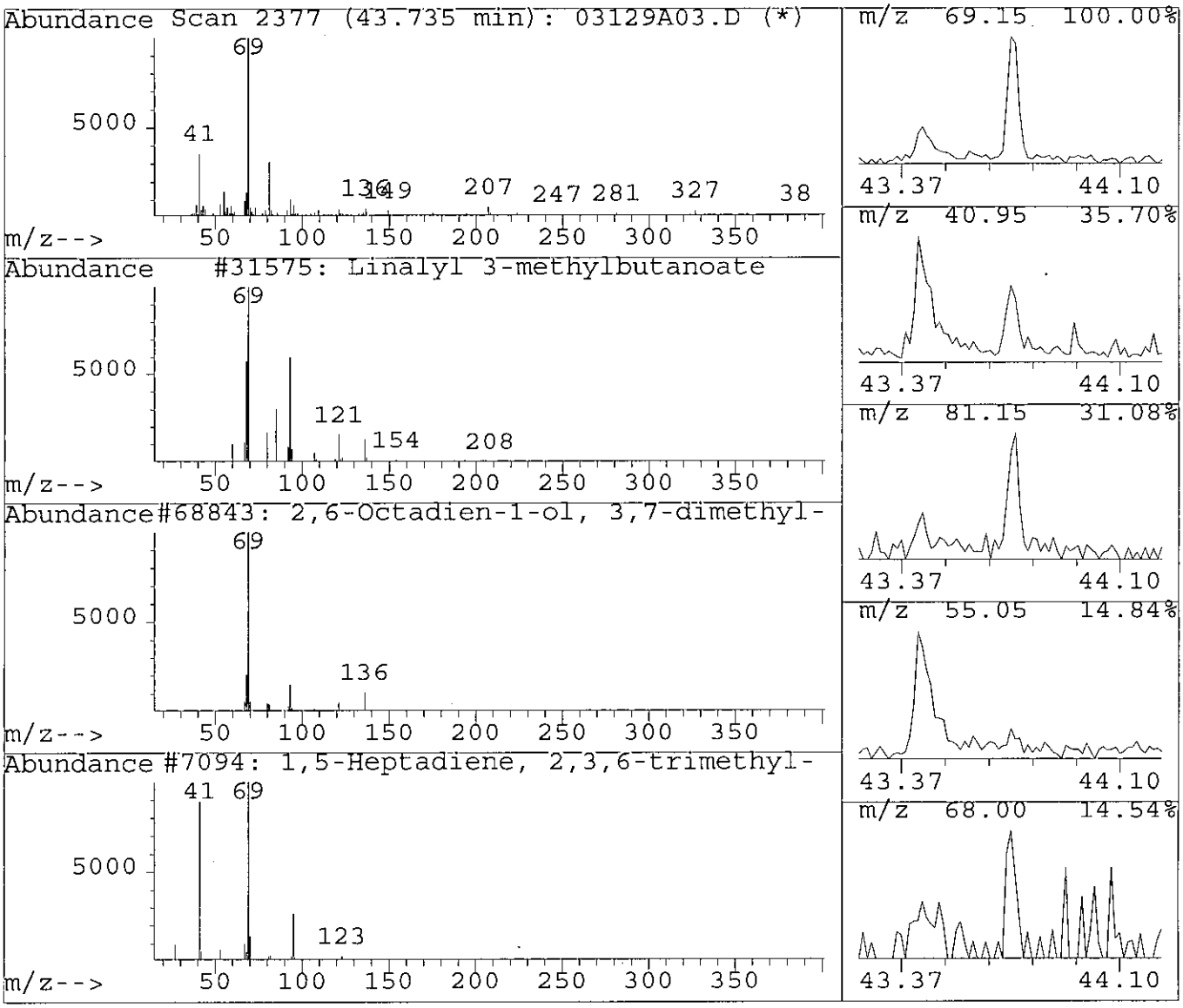
Data File : C:\HPCHEM\1\DATA\03129A03.D
Acq On : 12 Mar 99 10:22 am
Sample : LAB BLANK
Misc : American Glue & Resin P#99187

Vial: 3
Operator: ESAT
Inst : 5988
Multiplr: 199.68

Method : C:\HPCHEM\1\METHODS\03129A01.M
Title : semivolatiles
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	R.T.
43.74	1146.10 ug/ml	30048	PERYLENE-D12	45.89

Hit# of 20	Tentative ID	Ref#	CAS#	Qual
1	Linalyl 3-methylbutanoate	31575	000000-00-0	64
2	2,6-Octadien-1-ol, 3,7-dimethyl-, f	68843	000105-86-2	59
3	1,5-Heptadiene, 2,3,6-trimethyl-	7094	033501-88-1	58
4	2,6-Octadiene, 4,5-dimethyl-	7037	018476-57-8	53
5	Geranic acid	14537	000459-80-3	53



1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

S67827

Lab EPA REG 1 Contract:

Proj 99187 Site: AMERICAN Location: Group:

Matrix: (soil/wat SOIL Lab Sample ID: S67827

Wet Sample wt/vol: 5.1 (g/mL) G Lab File ID: 03129A05.D

Level: Dry wt 4.5 g (low/m MED Sample Collection: 3/2/99 Date Received: 3/3/99

% 12 decanted: (Y/N): Y Date Extracted: 3/9/99

Concentrated Extract Volume 1000 (uL) Date Analyzed: 3/12/99

Injection Volume 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y N pH: 0 Report Factor: 0.67 ✓

Concentration Units:

CAS No.	Compound	(ug/L or ug/Kg) ug/Kg	Q
62-53-3	ANILINE	2200	U
108-95-2	PHENOL	2200	U
111-44-4	BIS(2-CHLOROETHYL) ETHER	2200	U
95-57-8	2-CHLOROPHENOL	2200	U
541-73-1	1,3-DICHLOROBENZENE	2200	U
106-46-7	1,4-DICHLOROBENZENE	2200	U
100-51-6	BENZYL ALCOHOL	2200	U
95-50-1	1,2-DICHLOROBENZENE	2200	U
95-48-7	2-METHYLPHENOL	2200	U
108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	2200	U
106-44-5	4-METHYLPHENOL	2200	U
621-64-7	N-NITROSODIPROPYLAMINE	2200	U
67-72-1	HEXACHLOROETHANE	2200	U
98-95-3	NITROBENZENE	2200	U
78-59-1	ISOPHORONE	2200	U
88-75-5	2-NITROPHENOL	2200	U
105-67-9	2,4-DIMETHYLPHENOL	2200	U
111-91-1	BIS(2-CHLOROETHOXY)METHANE	2200	U
65-85-0	BENZOIC ACID	2200	U
120-83-2	2,4-DICHLOROPHENOL	2200	U
120-82-1	1,2,4-TRICHLOROBENZENE	2200	U
91-20-3	NAPHTHALENE	2200	U
106-47-8	4-CHLOROANILINE	2200	U
87-68-3	HEXACHLOROBUTADIENE	2200	U
59-50-7	4-CHLORO-3-METHYLPHENOL	2200	U
91-57-6	2-METHYLNAPHTHALENE	2200	U
77-47-4	HEXACHLOROCYCLOPENTADIENE	2200	U
88-06-2	2,4,6-TRICHLOROPHENOL	2200	U
95-95-4	2,4,5-TRICHLOROPHENOL	2200	U
91-58-7	2-CHLORONAPHTHALENE	2200	U
88-74-4	2-NITROANILINE	2200	U
131-11-3	DIMETHYLPHTHALATE	2200	U
208-96-8	ACENAPHTHYLENE	2200	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

S67827

Lab EPA REG 1 Contract:

Proj 99187 Site: AMERICAN Location: Group:

Matrix: (soil/wat SOIL Lab Sample ID: S67827

Sample wt/vol: 5.1 (g/mL) G Lab File ID: 03129A05.D

Level: (low/m MED Date Received: 3/3/99

% 12 decanted: (Y/N): Y Date Extracted: 3/9/99

Concentrated Extract Volume 1000 (uL) Date Analyzed: 3/12/99

Injection Volume 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y N pH: 0

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
606-20-2	2,6-DINITROTOLUENE	2200	U
99-09-2	3-NITROANILINE	2200	U
83-32-9	ACENAPHTHENE	2200	U
51-28-5	2,4-DINITROPHENOL	2200	U
132-64-9	DIBENZOFURAN	2200	U
100-02-7	4-NITROPHENOL	2200	U
121-14-2	2,4-DINITROTOLUENE	2200	U
84-66-2	DIETHYLPHTHALATE	2200	U
86-73-7	FLUORENE	2200	U
7005-72-3	4-CHLOROPHENYL-PHENYLETHER	2200	U
100-01-6	4-NITROANILINE	2200	U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	2200	U
86-30-6	N-NITROSODIPHENYLAMINE	2200	U
103-33-3	DIPHENYLHYDRAZINE(AZOBENZENE)	2200	U
101-55-3	4-BROMOPHENYL-PHENYLETHER	2200	U
319-84-6	BHC ISOMER (ALPHA)	2200	U
118-74-1	HEXACHLOROBENZENE	2200	U
319-85-7	BHC ISOMER (BETA)	2200	U
87-86-5	PENTACHLOROPHENOL	2200	U
58-89-9	LINDANE-BHC ISOMER (GAMA)	2200	U
85-01-8	PHENANTHRENE	540	LJ
120-12-7	ANTHRACENE	2200	U
319-86-8	BHC ISOMER (DELTA)	2200	U
86-74-8	CARBAZOLE	2200	U
76-44-8	HEPTACHLOR	2200	U
84-74-2	DIBUTYLPHTHALATE	2200	U
309-00-2	ALDRIN	2200	U
1024-57-3	HEPTACHLOR EPOXIDE	2200	U
206-44-0	FLUORANTHENE	990	LJ
129-00-0	PYRENE	800	LJ
959-98-8	ENDOSULFAN I	2200	U
72-55-9	P,P-DDE	2200	U
60-57-1	DIELDRIN	2200	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

S67827

Lab EPA REG 1 Contract:

Proj 99187 Site: AMERICAN Location: Group:

Matrix: (soil/wat SOIL Lab Sample ID: S67827

Sample wt/vol: 5.1 (g/mL) G Lab File ID: 03129A05.D

Level: (low/m MED Date Received: 3/3/99

% 12 decanted: (Y/N): Y Date Extracted: 3/9/99

Concentrated Extract Volume 1000 (uL) Date Analyzed: 3/12/99

Injection Volume 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y N pH: 0

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
72-20-8	ENDRIN	2200	U
33213-65-9	ENDOSULFAN II	2200	U
72-54-8	P,P-DDD	2200	U
85-68-7	BUTYLBENZYLPHTHALATE	2200	U
50-29-3	P,P-DDT	2200	U
1031-07-8	ENDOSULFAN SULFATE	2200	U
72-43-5	METHOXYCHLOR	2200	U
53494-70-5	ENDRIN KETONE	2200	U
91-94-1	3,3-DICHCHLOROBENZIDINE	2200	U
56-55-3	BENZ(A)ANTHRACENE	420	L J
218-01-9	CHRYSENE	500	L J
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	2200	U
117-84-0	DI-N-OCTYLPHTHALATE	2200	U
205-99-2	BENZO(B)FLUORANTHENE	580	L J
207-08-9	BENZO(K)FLUORANTHENE	2200	U
50-32-8	BENZO(A)PYRENE	390	L J
193-39-5	INDENO(1,2,3-CD)PYRENE	2200	U
53-70-3	DIBENZO(A,H)ANTHRACENE	2200	U
191-24-2	BENZO(GHI)PERYLENE	2200	U

QUANTITATION SHEET

SAMPLE NUMBER 67827
Tentatively Identified Compounds

SCAN NO.	COMPOUND	PROB. MATCH	CONC (ug/ml)	EST. C. (ug/kg)	CAS NO.	CHEM. FORM.
82	4-hydroxy-4-methyl-2-Pentanone	50	-	~500,000 A B	123-42-2	
2272	C26 Hydrocarbon	78	-	~700	-	
2377	Unknown	-	-	~1000 B	-	
2452	C28 Hydrocarbon	68	-	~1000	-	

~ = Approximate
< = Less than
> = Greater than
NA = Not available due to dilution or interference
E = Estimated value that exceeds the calibration range
L = Estimated value that is below the calibration range
B = Analyte associated with the lab, trip blank. Reported values are 5X higher than blank. Phthalates must be 10X.

Quantitation Report

Data File : C:\HPCHEM\1\DATA\03129A05.D
Acq On : 12 Mar 99 1:49 pm
Sample : 67827
Misc : American Glue & Resin P#99187
Quant Time: Mar 13 9:51 1999

Vial: 5
Operator: ESAT
Inst : 5988
Multiplr: 221.58

Method : C:\HPCHEM\1\METHODS\03129A01.M
Title : semivolatiles
Last Update : Fri Mar 12 11:19:03 1999
Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DICHLOROBENZENE-D4	16.30	150	47360	40.00	ug/ml	-0.01
19) NAPHTHALENE-D8	20.46	136	105563	40.00	ug/ml	0.00
34) ACENAPHTHENE-D10	26.41	164	53150	40.00	ug/ml	0.00
54) PHENANTHRENE-D10	31.49	188	99675	40.00	ug/ml	-0.02
74) CHRYSENE-D12	40.51	240	99896	40.00	ug/ml	-0.02
92) PERYLENE-D12	45.88	264	81101	40.00	ug/ml	0.00
System Monitoring Compounds						%Recovery
2) FLUOROPHENOL	12.47	112	134898	148.95	ug/ml	74.48%
4) PHENOL-D5	15.30	99	194508	156.24	ug/ml	78.12%
5) 2-CHLOROPHENOL-D4	15.65	132	133593	142.49	ug/ml	71.24%
12) 1,2-DICHLOROBENZENE-D4	16.78	150	61908	57.32	ug/ml	57.32%
20) NITROBENZENE-D5	18.14	82	97214	62.42	ug/ml	62.42%
38) FLUOROBIPHENYL	24.13	172	120890	67.89	ug/ml	67.89%
58) 2,4,6-TRIBROMOPHENOL	29.14	330	63045	158.12	ug/ml	79.06%
78) P-TERPHENYL-D14	36.97	244	214077	86.57	ug/ml	86.57%
Target Compounds						Qvalue
65) PHENANTHRENE	31.57	178	6381	542.98	ug/ml#	94
73) FLUORANTHENE	35.65	202	12540	994.69	ug/ml	97
75) PYRENE	36.42	202	10851	803.29	ug/ml	92
89) BENZ(A)ANTHRACENE	40.48	228	4938	419.87	ug/ml#	93
90) CHRYSENE	40.59	228	5578	503.08	ug/ml#	93
94) BENZO(B)FLUORANTHENE	44.29	252	6948	580.10	ug/ml#	90
96) BENZO(A)PYRENE	45.65	252	4380	393.46	ug/ml#	81

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

Quantitation Report

Data File : c:\hpchem\1\data\03129a05.d
Acq On : 12 Mar 99 1:49 pm
Sample : 67827
Misc : American Glue & Resin P#99187
Quant Time: Mar 13 8:33 1999

Vial: 5
Operator: ESAT
Inst : 5988
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\03129A01.M
Title : semivolatiles
Last Update : Fri Mar 12 11:19:03 1999
Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DICHLOROBENZENE-D4	16.30	150	47360	40.00	ug/ml	-0.01
19) NAPHTHALENE-D8	20.46	136	105563	40.00	ug/ml	0.00
34) ACENAPHTHENE-D10	26.41	164	53150	40.00	ug/ml	0.00
54) PHENANTHRENE-D10	31.49	188	99675	40.00	ug/ml	-0.02
74) CHRYSENE-D12	40.51	240	99896	40.00	ug/ml	-0.02
92) PERYLENE-D12	45.88	264	81101	40.00	ug/ml	0.00
System Monitoring Compounds						%Recovery
2) FLUOROPHENOL	12.47	112	134898	148.95	ug/ml	74.48%
4) PHENOL-D5	15.30	99	194508	156.24	ug/ml	78.12%
5) 2-CHLOROPHENOL-D4	15.65	132	133593	142.49	ug/ml	71.24%
12) 1,2-DICHLOROBENZENE-D4	16.78	150	61908	57.32	ug/ml	57.32%
20) NITROBENZENE-D5	18.14	82	97214	62.42	ug/ml	62.42%
38) FLUOROBIPHENYL	24.13	172	120890	67.89	ug/ml	67.89%
58) 2,4,6-TRIBROMOPHENOL	29.14	330	63045	158.12	ug/ml	79.06%
78) P-TERPHENYL-D14	36.97	244	214077	86.57	ug/ml	86.57%
Target Compounds						Qvalue
11) BENZYL ALCOHOL	16.78	79	2011	~~3.64 ug/ml#~~		34
56) N-NITROSODIPHENYLAMINE	29.13	169	1533	~~1.33 ug/ml#~~		39
65) PHENANTHRENE	31.57	178	6381	2.45	ug/ml#	94
66) ANTHRACENE	31.84	178	2101	~~0.82 ug/ml#~~		71
73) FLUORANTHENE	35.65	202	12540	4.49	ug/ml	97
75) PYRENE	36.42	202	10851	3.63	ug/ml	92
89) BENZ(A)ANTHRACENE	40.48	228	4938	1.89	ug/ml#	93
90) CHRYSENE	40.59	228	5578	2.27	ug/ml#	93
94) BENZO(B)FLUORANTHENE	44.29	252	6948	2.62	ug/ml#	90
95) BENZO(K)FLUORANTHENE	44.40	252	2311	~~0.83 ug/ml#~~		81
96) BENZO(A)PYRENE	45.65	252	4380	1.78	ug/ml#	81
97) INDENO(1,2,3-CD)PYRENE	51.66	276	1878	~~0.96 ug/ml#~~		84
99) BENZO(GHI)PERYLENE	53.35	276	1828	~~0.95 ug/ml#~~		83

Wet wt = 5.140
Dry wt = 4.513
1mL FV
NO DIL
% moist = 12.2
mV/T = 221.5820962

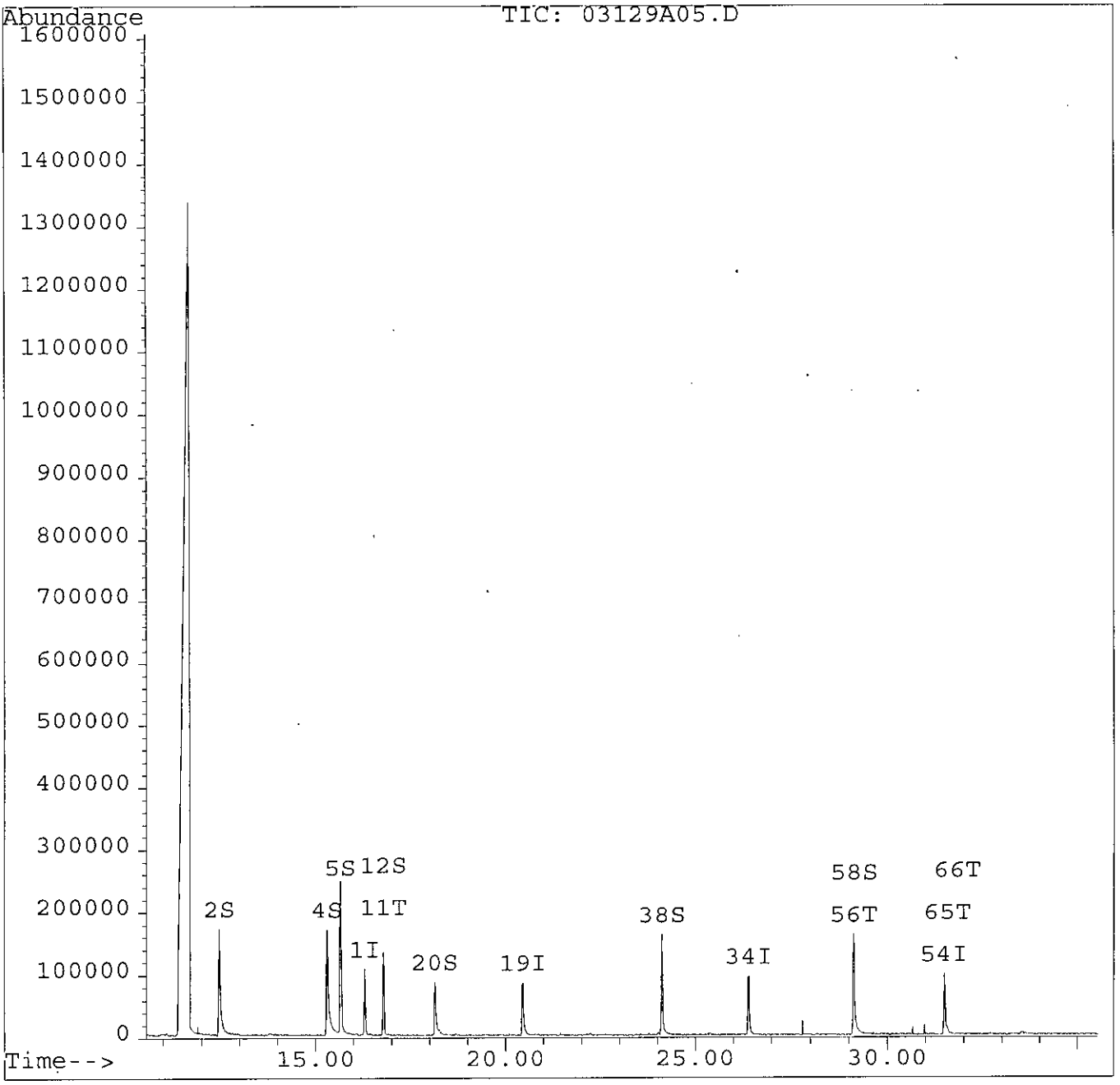
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : c:\hpchem\1\data\03129a05.d
Acq On : 12 Mar 99 1:49 pm
Sample : 67827
Misc : American Glue & Resin P#99187
Quant Time: Mar 13 8:33 1999

Vial: 5
Operator: ESAT
Inst : 5988
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\03129A01.M
Title : semivolatiles
Last Update : Fri Mar 12 11:19:03 1999
Response via : Single Level Calibration

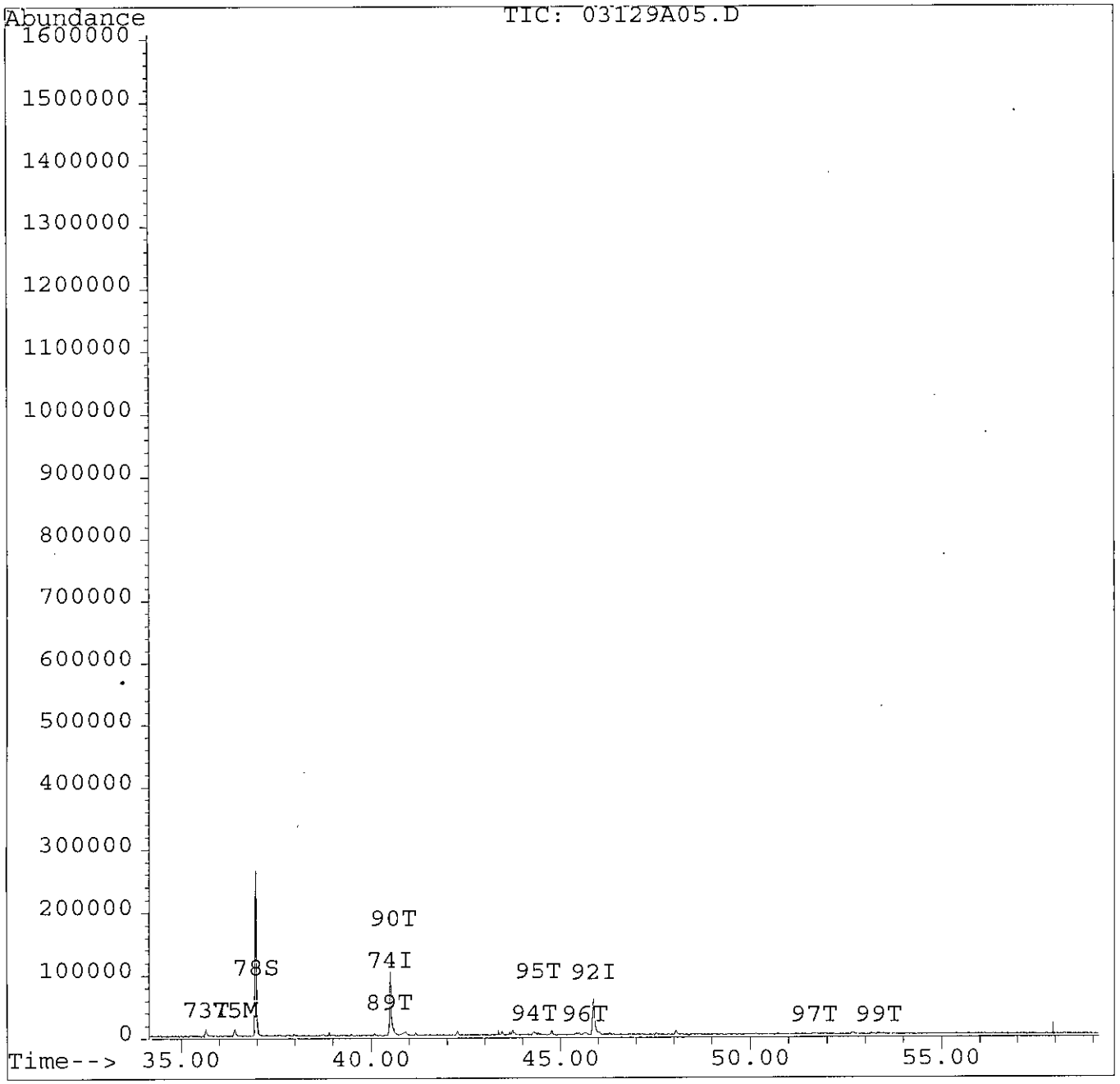


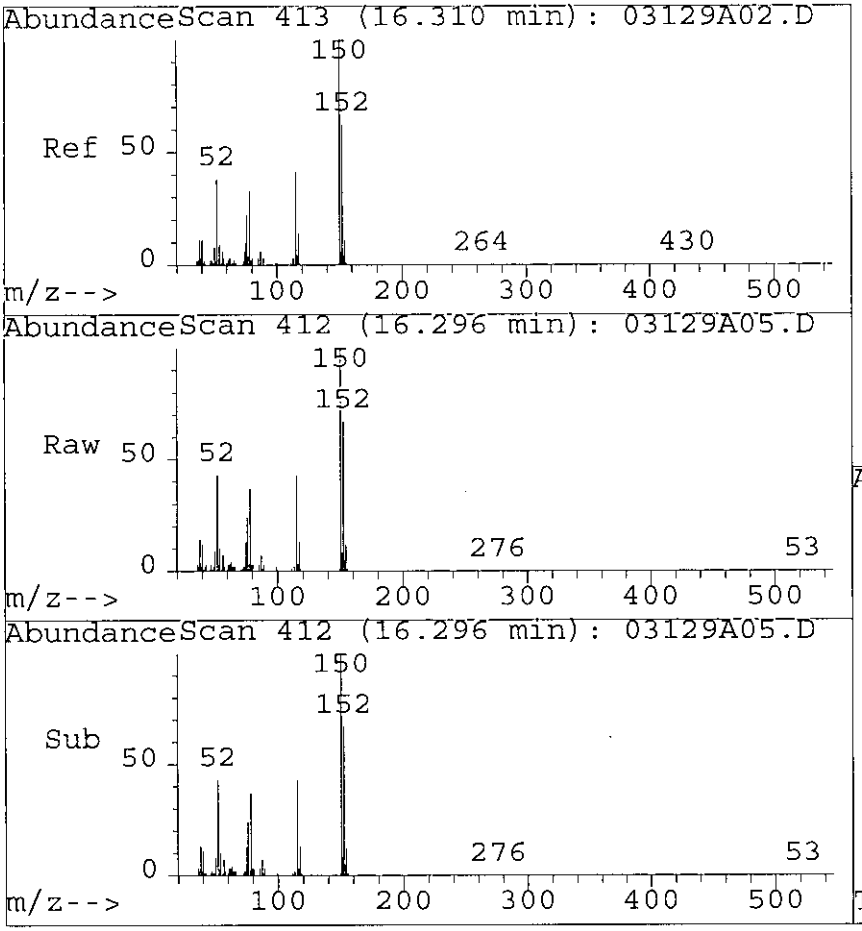
Quantitation Report

Data File : c:\hpchem\1\data\03129a05.d
Acq On : 12 Mar 99 1:49 pm
Sample : 67827
Misc : American Glue & Resin P#99187
Quant Time: Mar 13 8:33 1999

Vial: 5
Operator: ESAT
Inst : 5988
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\03129A01.M
Title : semivolatiles
Last Update : Fri Mar 12 11:19:03 1999
Response via : Single Level Calibration

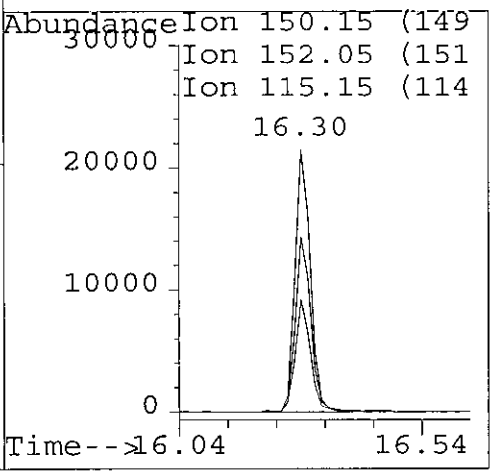


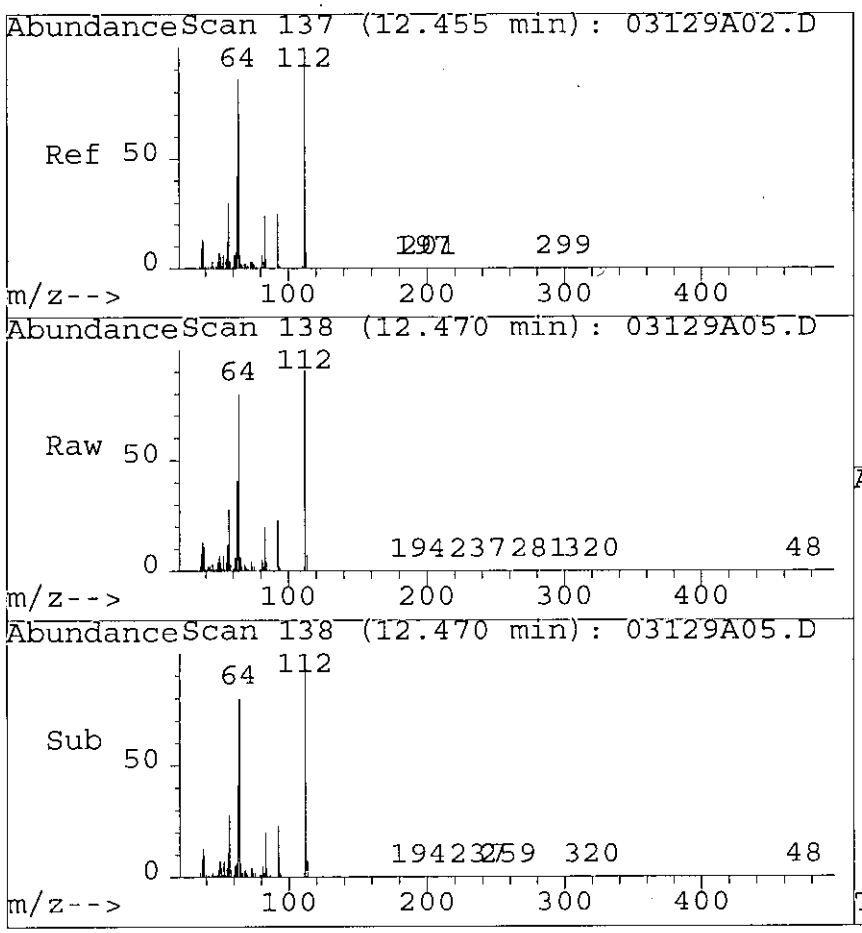


#1
1,4-DICHLOROBENZENE-D4
Concen: 40.00 ug/ml
RT: 16.30 min Scan# 412
Delta R.T. -0.01 min
Lab File: 03129a05.d
Acq: 12 Mar 99 1:49 pm

Tgt Ion:150.15 Resp: 47360

Ion	Ratio	Lower	Upper
150	100		
152	66.8	51.1	76.6
115	42.8	34.7	52.0
0	0.0	0.0	0.0

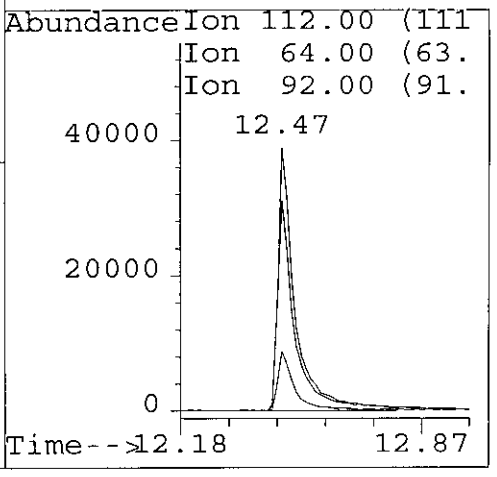


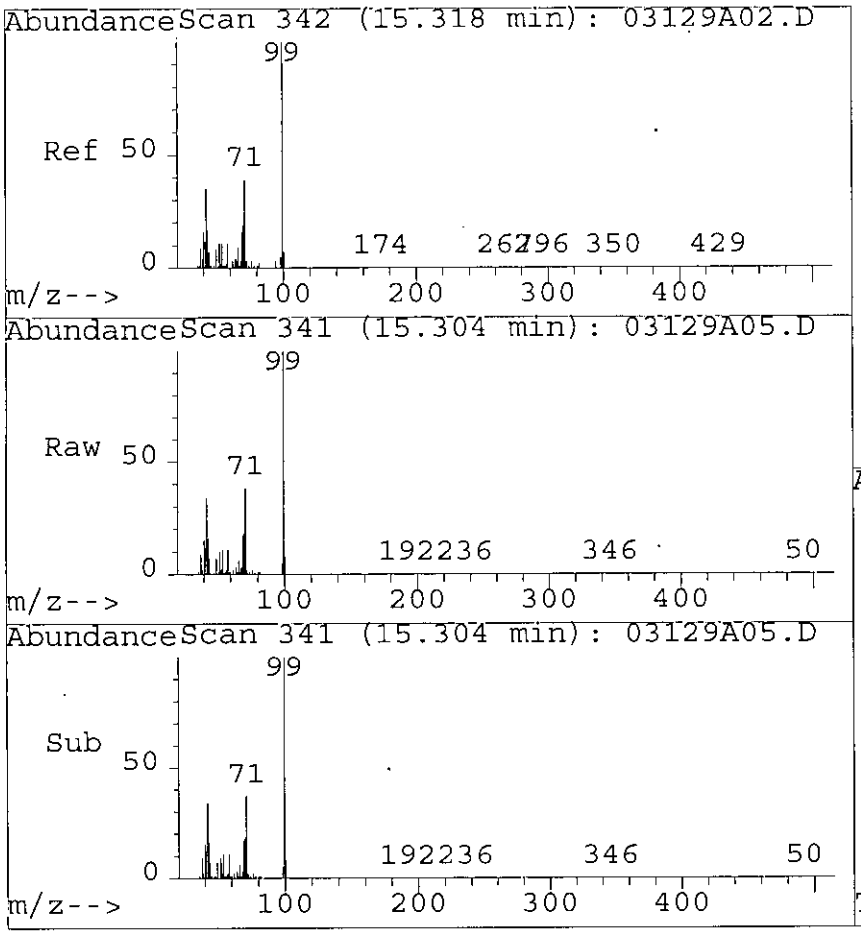


#2
FLUOROPHENOL
Concen: 148.95 ug/ml
RT: 12.47 min Scan# 138
Delta R.T. 0.01 min
Lab File: 03129a05.d
Acq: 12 Mar 99 1:49 pm

Tgt Ion:112 Resp: 134898

Ion	Ratio	Lower	Upper
112	100		
64	80.0	55.4	83.1
92	22.8	24.7	37.0#
0	0.0	0.0	0.0

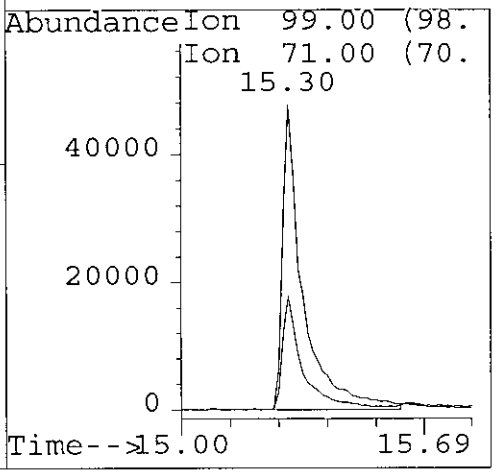


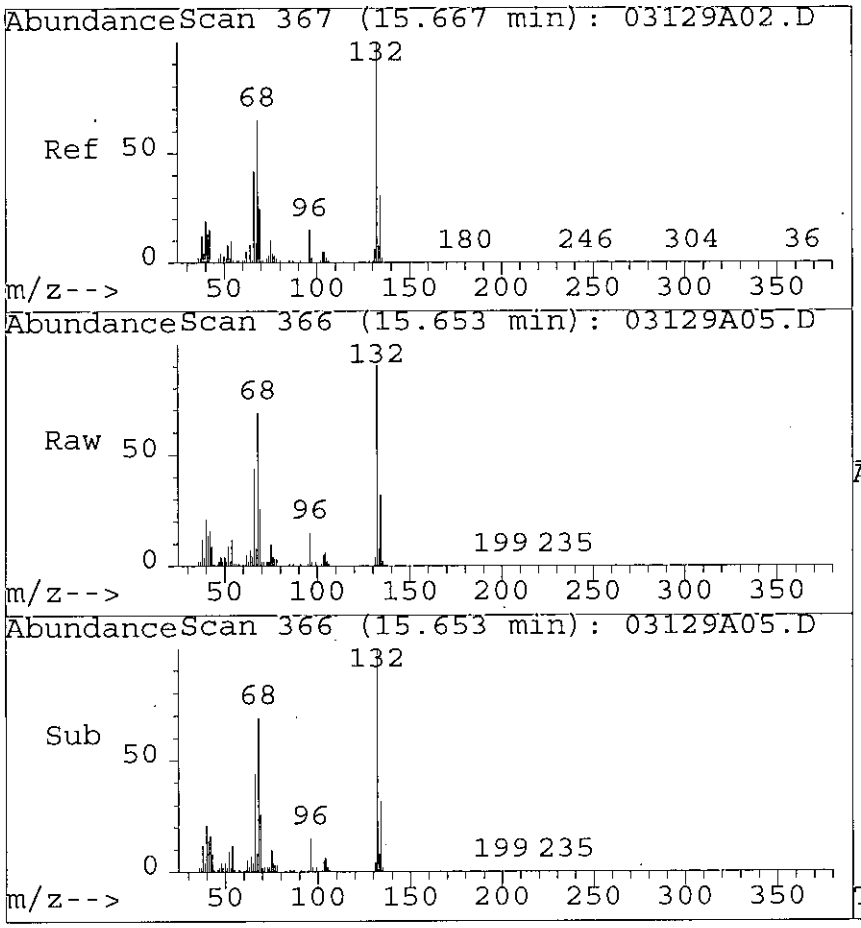


#4
PHENOL-D5
Concen: 156.24 ug/ml
RT: 15.30 min Scan# 341
Delta R.T. -0.01 min
Lab File: 03129a05.d
Acq: 12 Mar 99 1:49 pm

Tgt Ion:99 Resp: 194508

Ion	Ratio	Lower	Upper
99	100		
71	37.5	27.7	41.4
0	0.0	0.0	0.0
0	0.0	0.0	0.0

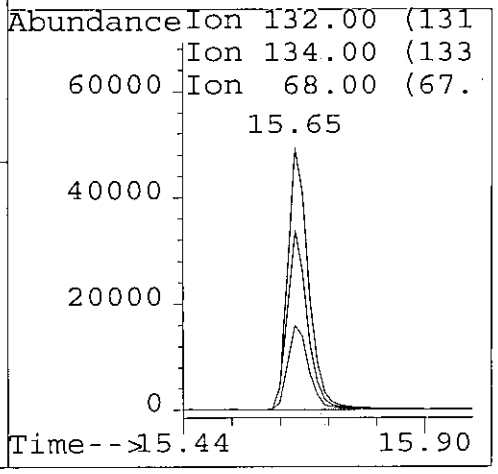


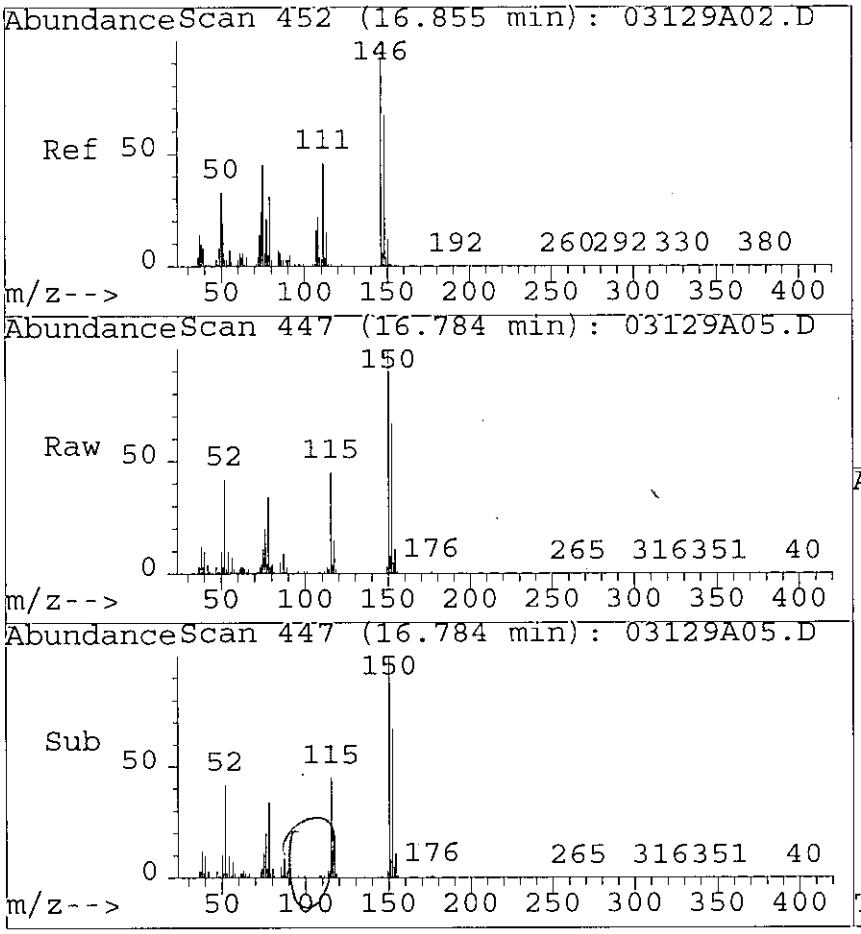


#5
2-CHLOROPHENOL-D4
Concen: 142.49 ug/ml
RT: 15.65 min Scan# 366
Delta R.T. -0.01 min
Lab File: 03129a05.d
Acq: 12 Mar 99 1:49 pm

Tgt Ion:132 Resp: 133593

Ion	Ratio	Lower	Upper
132	100		
134	32.4	24.0	35.9
68	68.5	40.0	59.9#
0	0.0	0.0	0.0

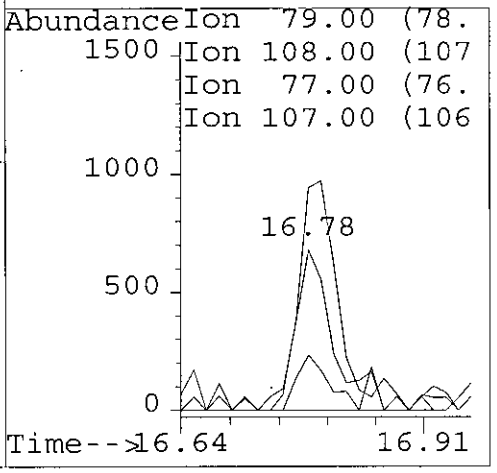


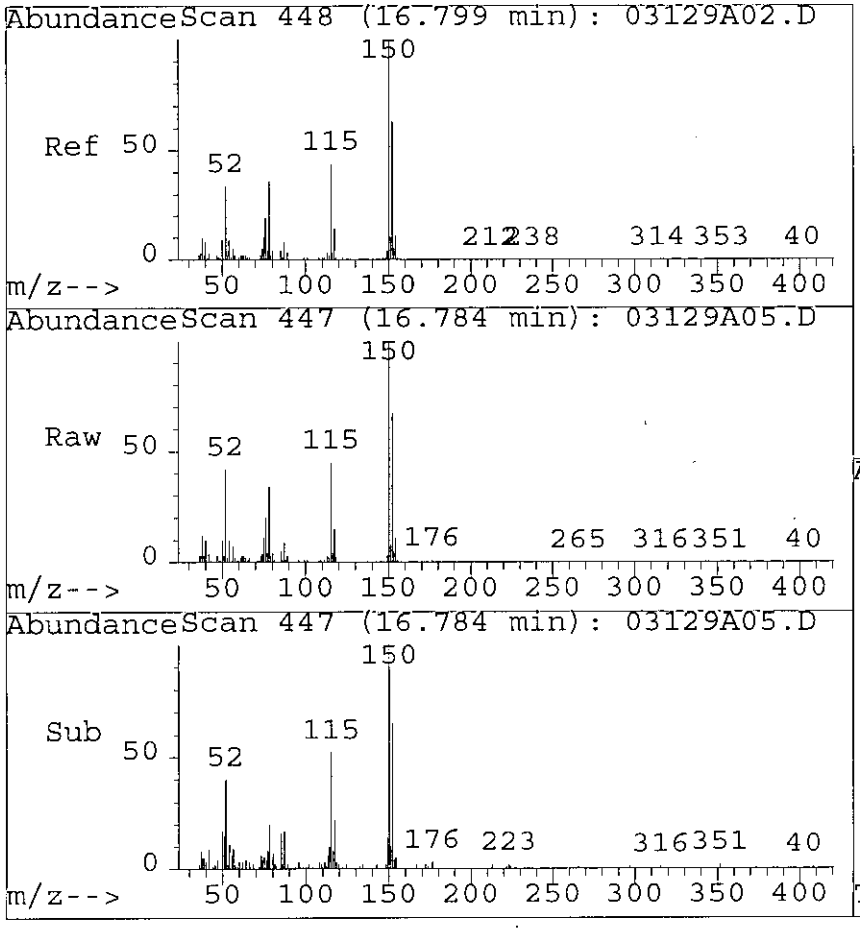


#11
BENZYL ALCOHOL
Concen: 3.64 ug/ml
RT: 16.78 min Scan# 447
Delta R.T. -0.07 min
Lab File: 03129a05.d
Acq: 12 Mar 99 1:49 pm

Tgt Ion:79 Resp: 2011

Ion	Ratio	Lower	Upper
79	100		
108	34.1	49.9	74.8#
77	138.7	53.8	80.7#
107	0.0	39.1	58.6#

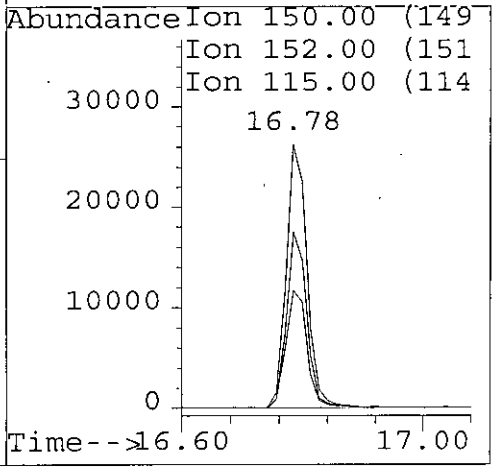


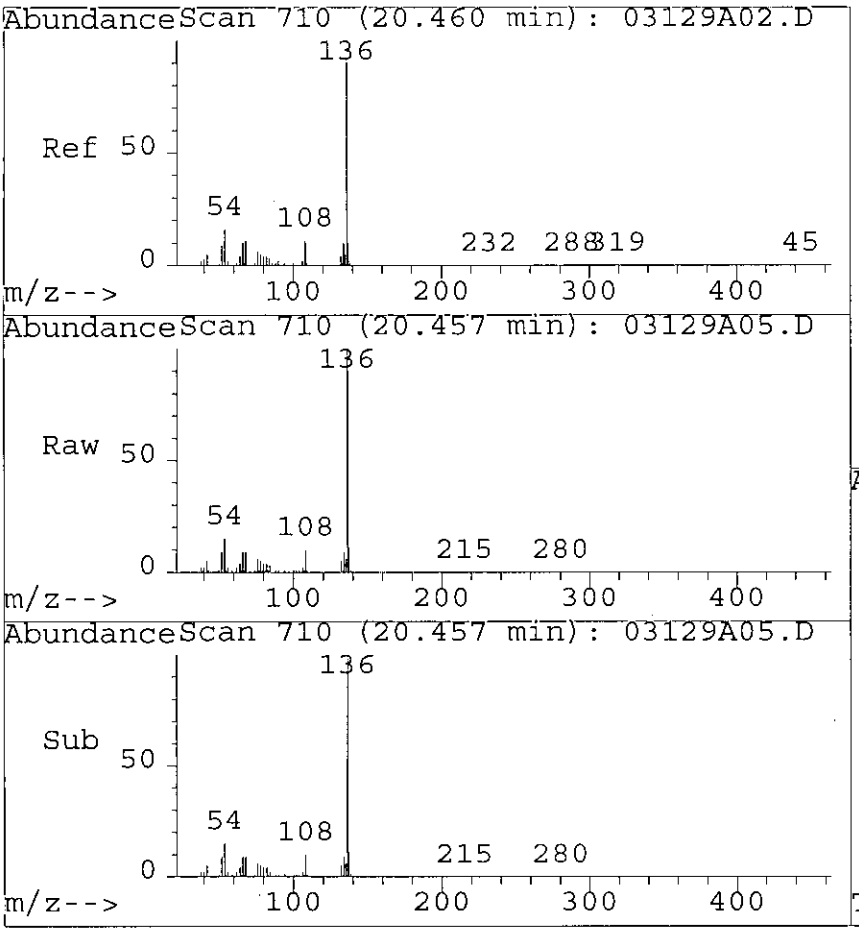


#12
1,2-DICHLOROBENZENE-D4
Concen: 57.32 ug/ml
RT: 16.78 min Scan# 447
Delta R.T. -0.01 min
Lab File: 03129a05.d
Acq: 12 Mar 99 1:49 pm

Tgt Ion:150 Resp: 61908

Ion	Ratio	Lower	Upper
150	100		
152	66.5	52.2	78.3
115	44.5	37.8	56.7
0	0.0	0.0	0.0

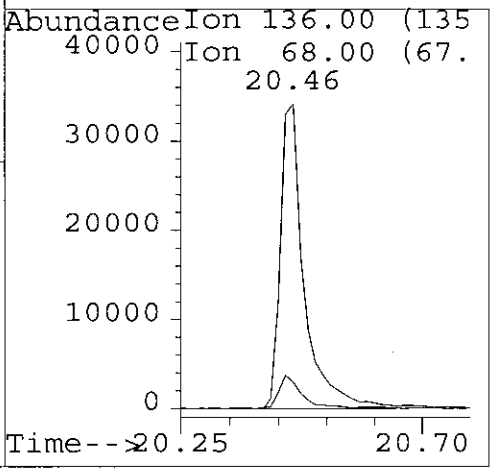


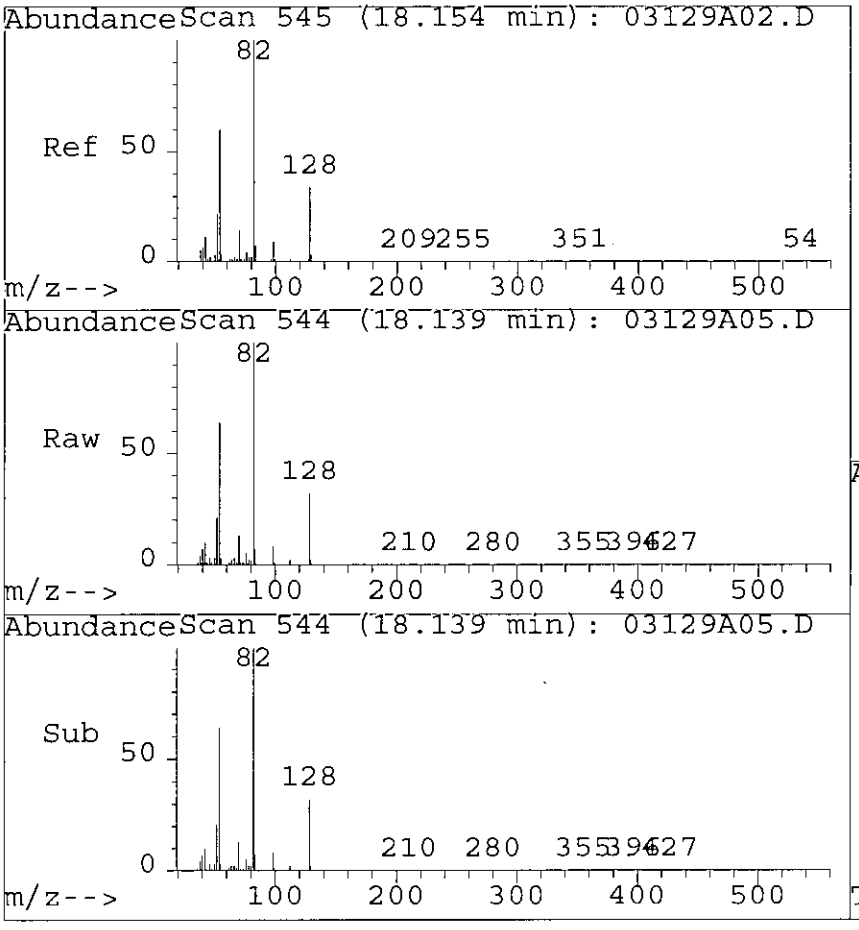


#19
NAPHTHALENE-D8
Concen: 40.00 ug/ml
RT: 20.46 min Scan# 710
Delta R.T. -0.00 min
Lab File: 03129a05.d
Acq: 12 Mar 99 1:49 pm

Tgt Ion:136 Resp: 105563

Ion	Ratio	Lower	Upper
136	100		
68	8.7	6.0	8.9
0	0.0	0.0	0.0
0	0.0	0.0	0.0

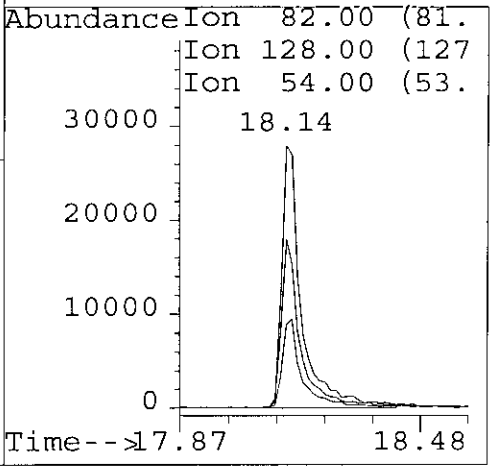


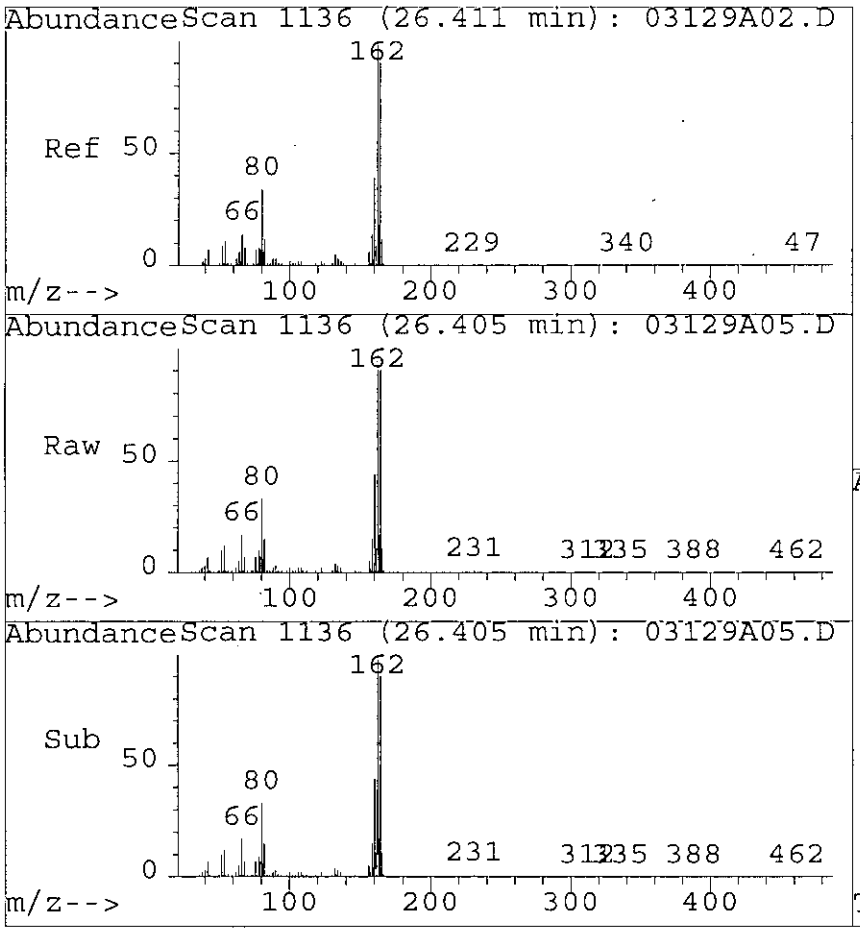


#20
NITROBENZENE-D5
Concen: 62.42 ug/ml
RT: 18.14 min Scan# 544
Delta R.T. -0.01 min
Lab File: 03129a05.d
Acq: 12 Mar 99 1:49 pm

Tgt Ion:82 Resp: 97214

Ion	Ratio	Lower	Upper
82	100		
128	32.0	34.4	51.5#
54	64.0	42.9	64.4
0	0.0	0.0	0.0

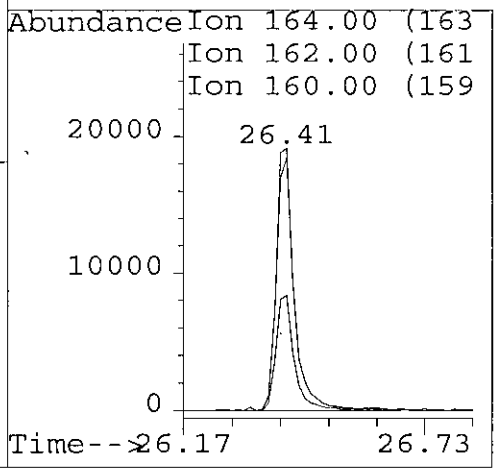


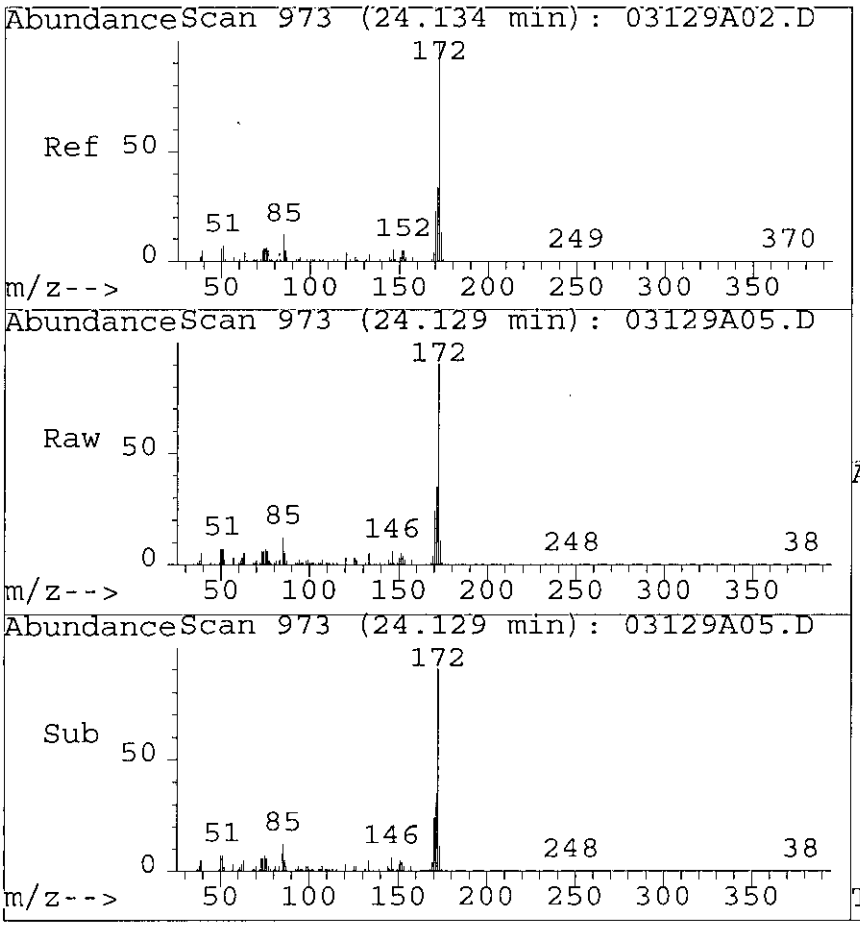


#34
ACENAPHTHENE-D10
Concen: 40.00 ug/ml
RT: 26.41 min Scan# 1136
Delta R.T. -0.01 min
Lab File: 03129a05.d
Acq: 12 Mar 99 1:49 pm

Tgt Ion:164 Resp: 53150

Ion	Ratio	Lower	Upper
164	100		
162	103.7	82.3	123.4
160	45.4	33.6	50.3
0	0.0	0.0	0.0

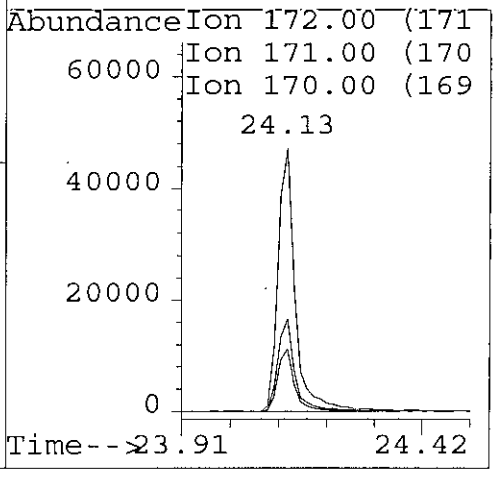


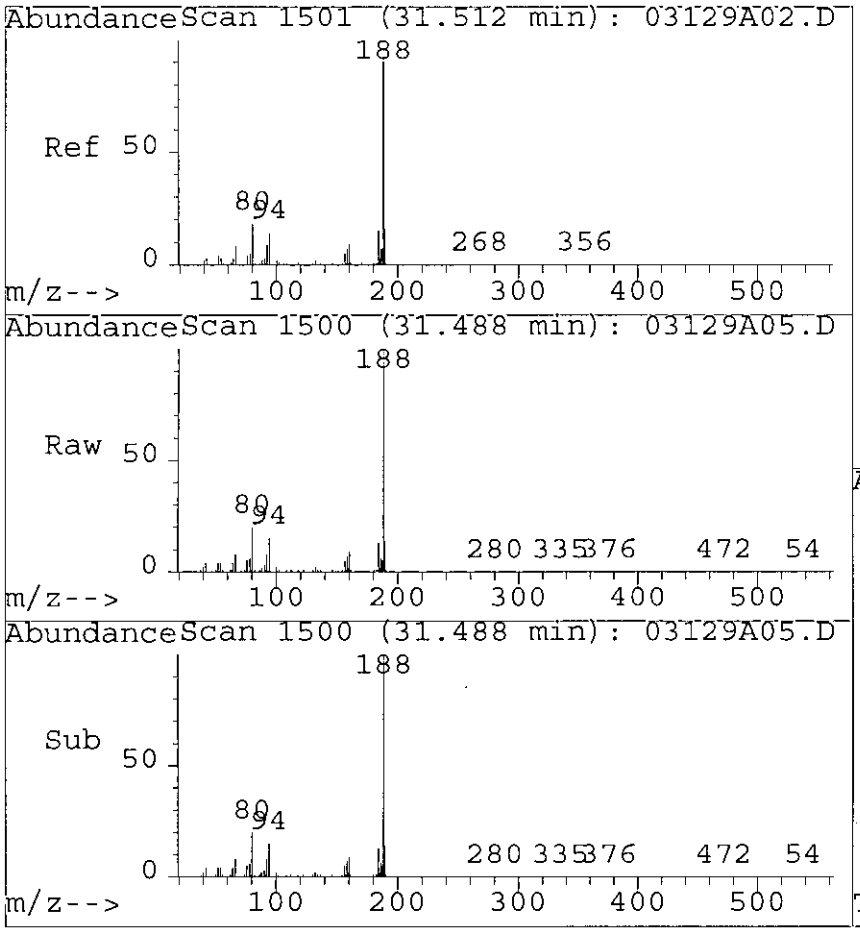


#38
FLUOROBIPHENYL
Concen: 67.89 ug/ml
RT: 24.13 min Scan# 973
Delta R.T. -0.00 min
Lab File: 03129a05.d
Acq: 12 Mar 99 1:49 pm

Tgt Ion:172 Resp: 120890

Ion	Ratio	Lower	Upper
172	100		
171	35.3	30.5	45.8
170	24.1	18.4	27.5
0	0.0	0.0	0.0

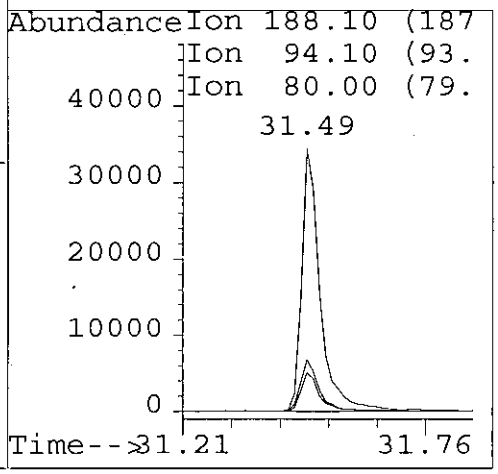


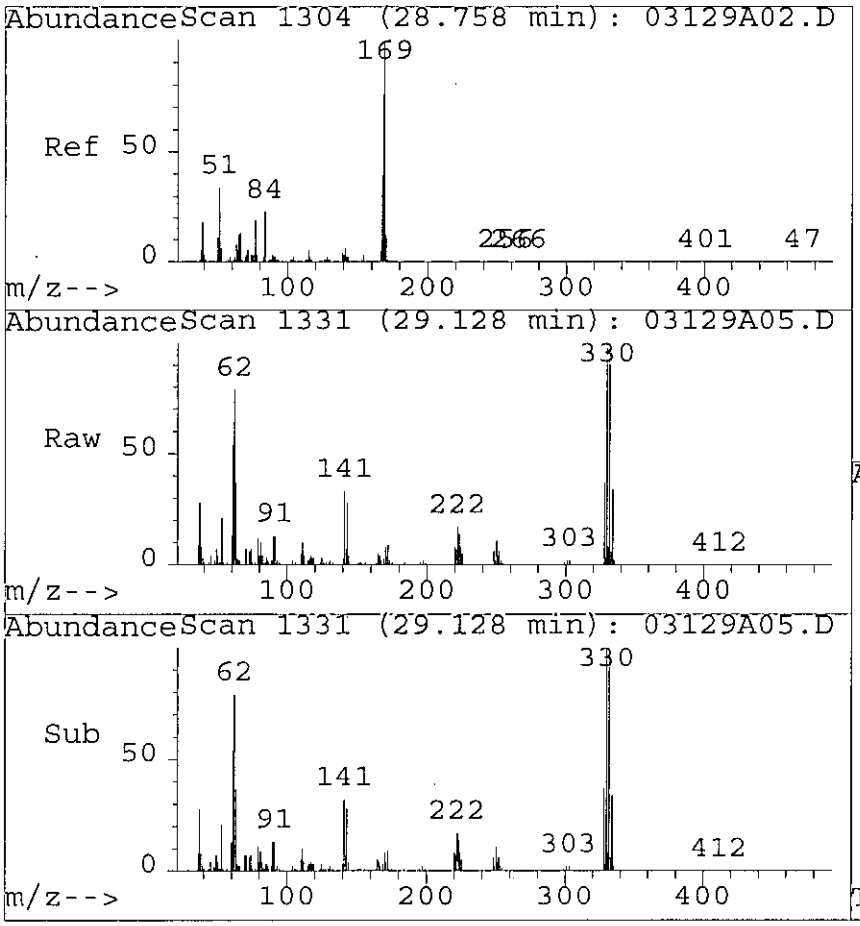


#54
PHENANTHRENE-D10
Concen: 40.00 ug/ml
RT: 31.49 min Scan# 1500
Delta R.T. -0.02 min
Lab File: 03129a05.d
Acq: 12 Mar 99 1:49 pm

Tgt Ion:188.1 Resp: 99675

Ion	Ratio	Lower	Upper
188	100		
94	14.9	11.6	17.3
80	19.8	13.7	20.5
0	0.0	0.0	0.0

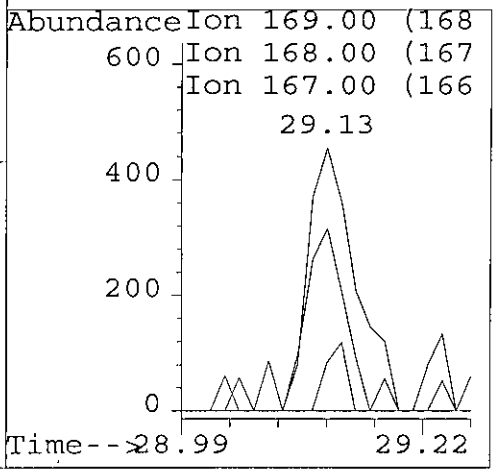


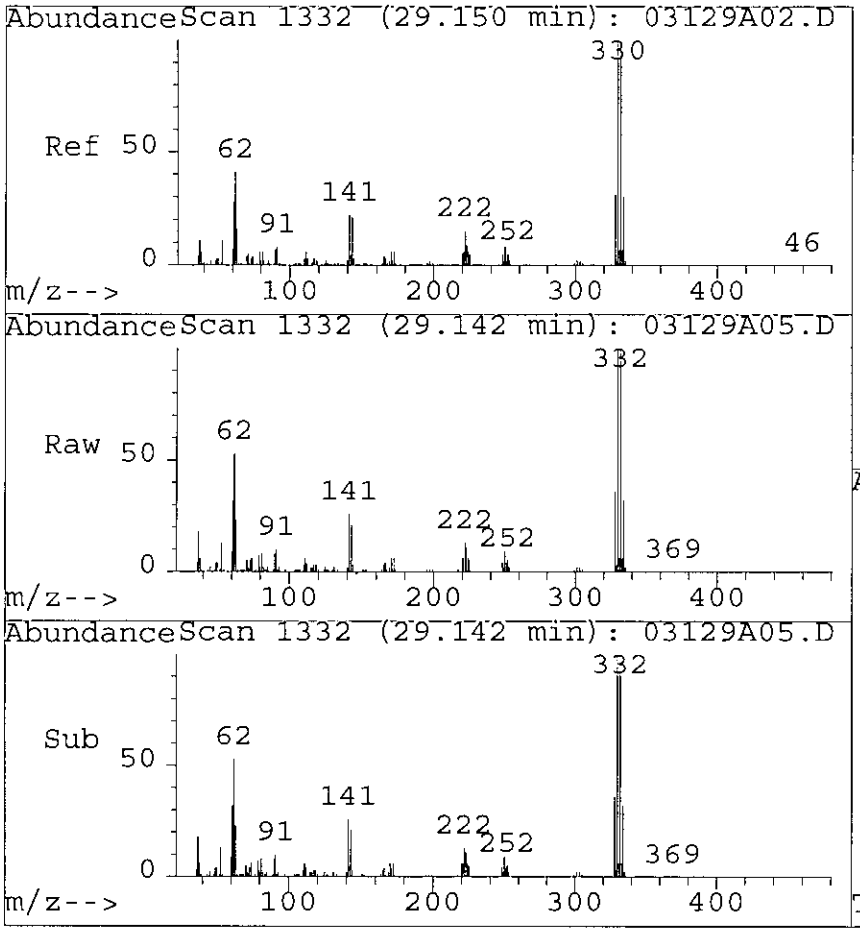


#56
N-NITROSODIPHENYLAMINE
Concen: 1.33 ug/ml
RT: 29.13 min Scan# 1331
Delta R.T. 0.37 min
Lab File: 03129a05.d
Acq: 12 Mar 99 1:49 pm

Tgt Ion:169 Resp: 1533

Ion	Ratio	Lower	Upper
169	100		
168	18.5	60.5	90.7#
167	69.5	31.4	47.1#
0	0.0	0.0	0.0

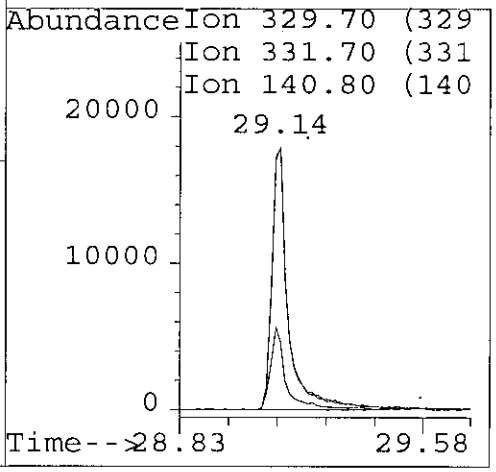


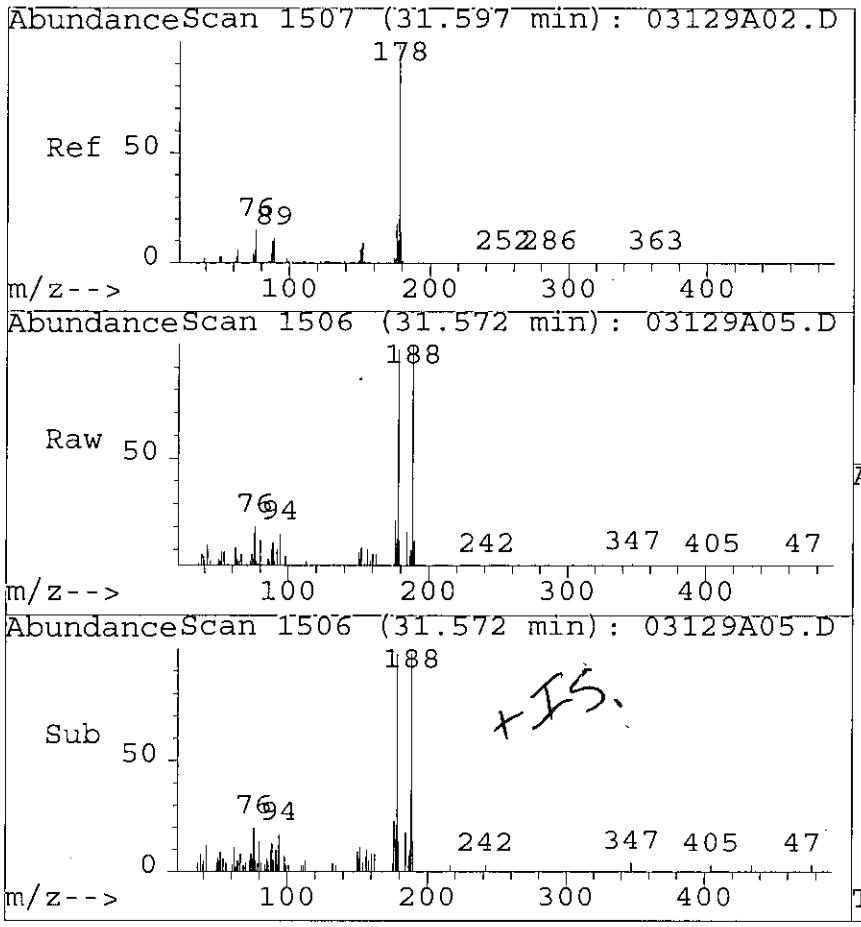


#58
2,4,6-TRIBROMOPHENOL
Concen: 158.12 ug/ml
RT: 29.14 min Scan# 1332
Delta R.T. -0.01 min
Lab File: 03129a05.d
Acq: 12 Mar 99 1:49 pm

Tgt Ion:329.7 Resp: 63045

Ion	Ratio	Lower	Upper
330	100		
332	99.9	69.7	104.5
141	25.6	30.9	46.4#
0	0.0	0.0	0.0

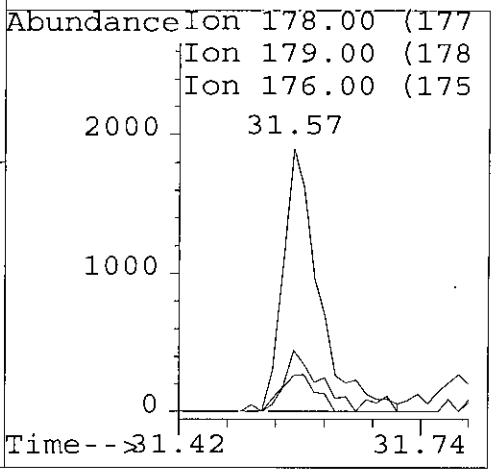


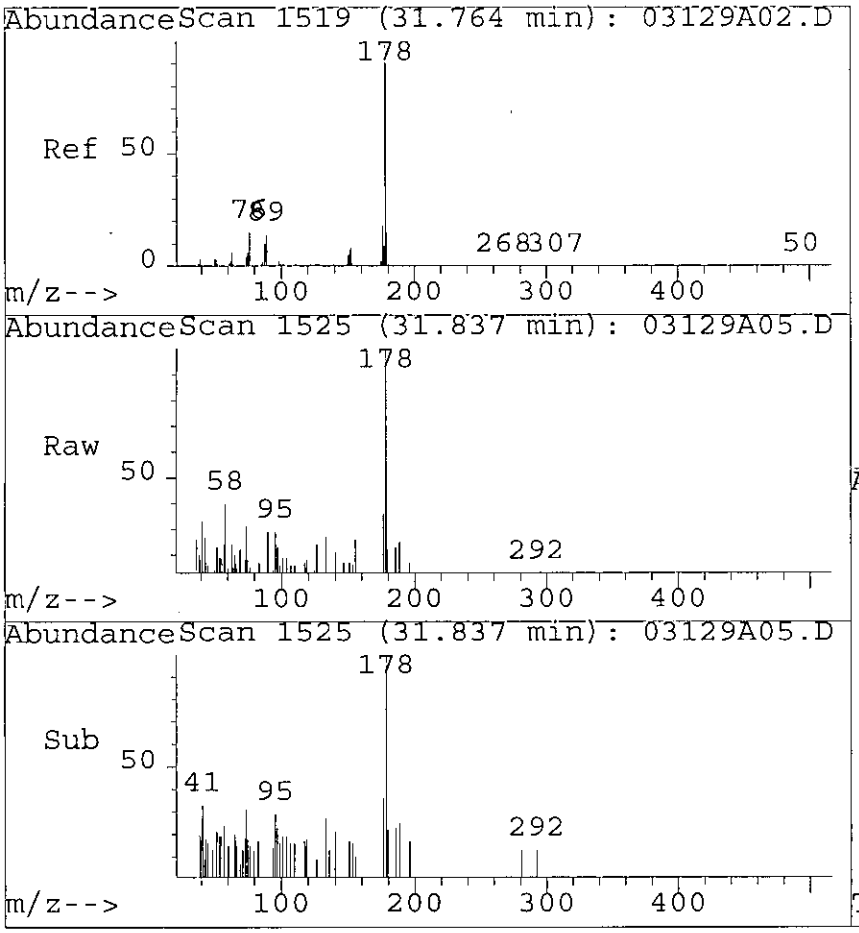


#65
PHENANTHRENE
Concen: 2.45 ug/ml
RT: 31.57 min Scan# 1506
Delta R.T. -0.02 min
Lab File: 03129a05.d
Acq: 12 Mar 99 1:49 pm

Tgt Ion:178 Resp: 6381

Ion	Ratio	Lower	Upper
178	100		
179	13.9	11.5	17.2
176	23.5	15.3	23.0#
0	0.0	0.0	0.0

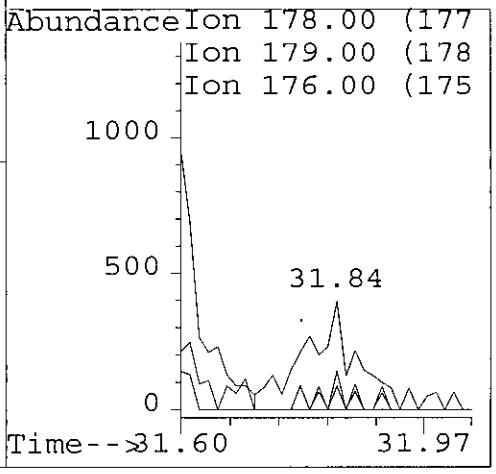


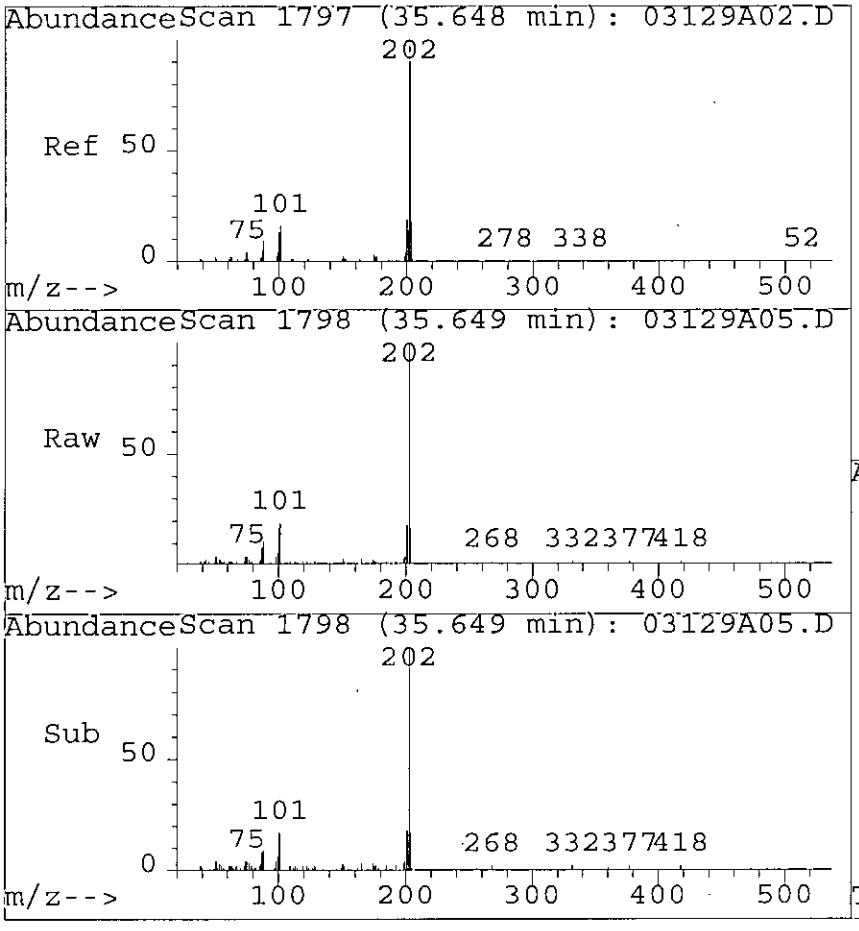


#66
ANTHRACENE
Concen: 0.82 ug/ml
RT: 31.84 min Scan# 1525
Delta R.T. 0.07 min
Lab File: 03129a05.d
Acq: 12 Mar 99 1:49 pm

Tgt Ion:178 Resp: 2101

Ion	Ratio	Lower	Upper
178	100		
179	22.2	12.3	18.4#
176	35.8	14.6	21.9#
0	0.0	0.0	0.0

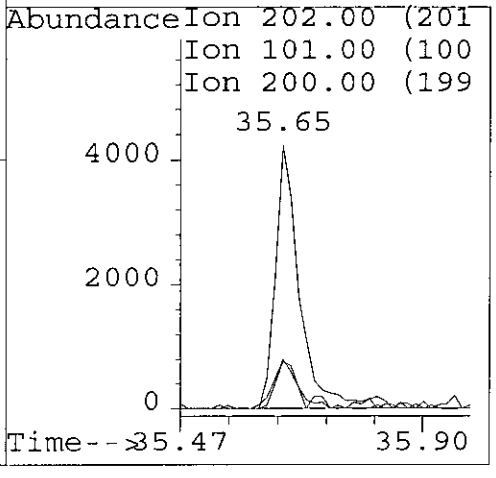


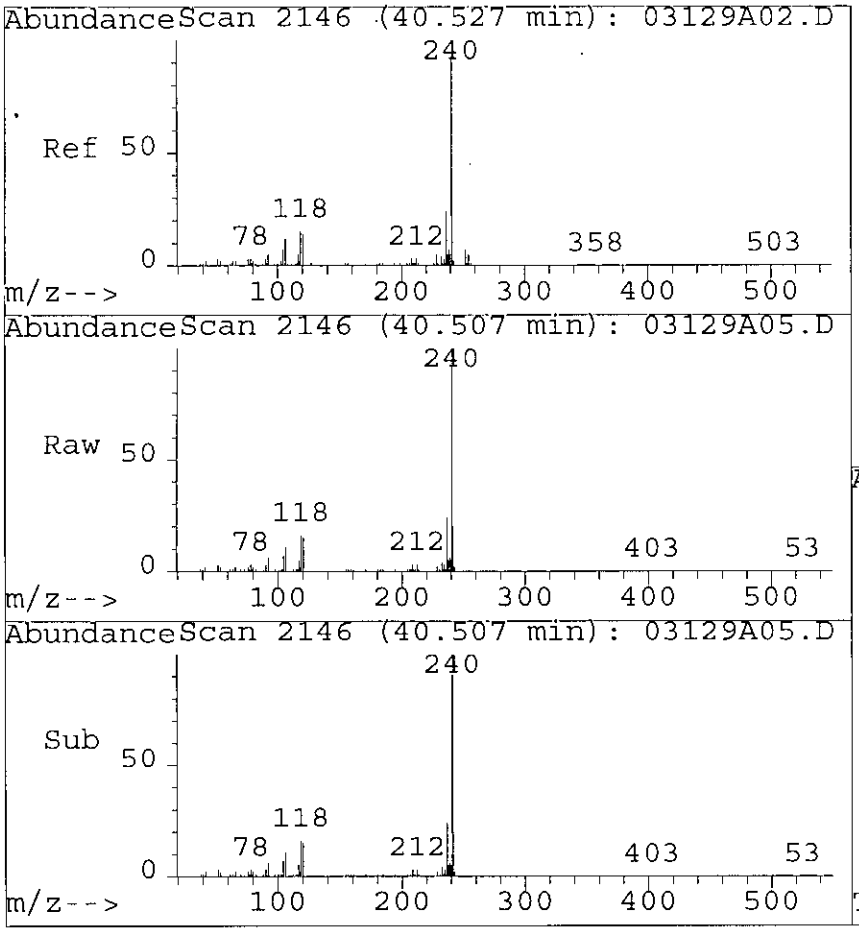


#73
FLUORANTHENE
Concen: 4.49 ug/ml
RT: 35.65 min Scan# 1798
Delta R.T. 0.00 min
Lab File: 03129a05.d
Acq: 12 Mar 99 1:49 pm

Tgt Ion:202 Resp: 12540

Ion	Ratio	Lower	Upper
202	100		
101	19.0	15.4	23.1
200	18.2	16.2	24.3
0	0.0	0.0	0.0

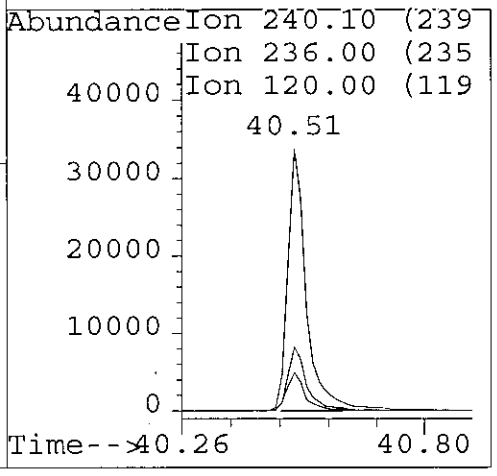


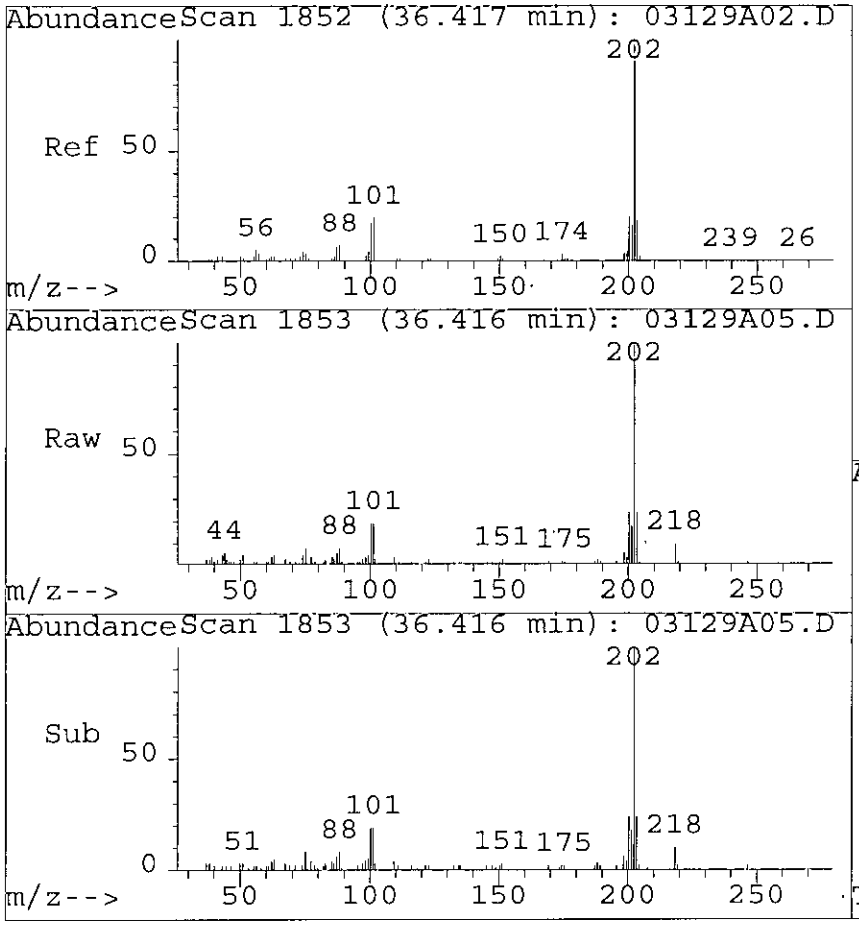


#74
CHRYSENE-D12
Concen: 40.00 ug/ml
RT: 40.51 min Scan# 2146
Delta R.T. -0.02 min
Lab File: 03129a05.d
Acq: 12 Mar 99 1:49 pm

Tgt Ion:240.1 Resp: 99896

Ion	Ratio	Lower	Upper
240	100		
236	24.4	20.6	30.9
120	14.6	17.5	26.2#
0	0.0	0.0	0.0

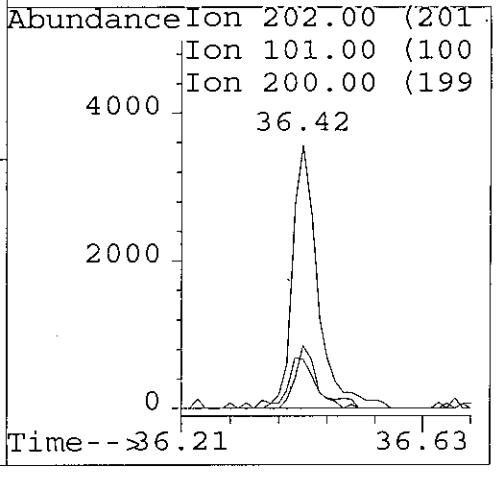


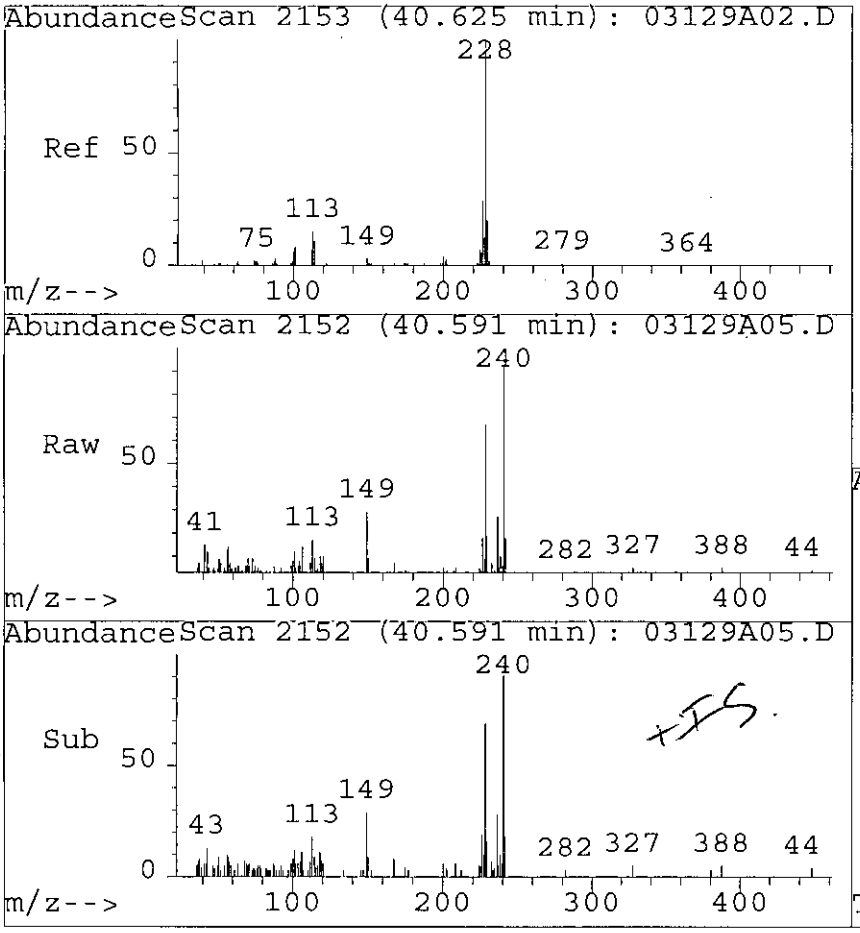


#75
PYRENE
Concen: 3.63 ug/ml
RT: 36.42 min Scan# 1853
Delta R.T. -0.00 min
Lab File: 03129a05.d
Acq: 12 Mar 99 1:49 pm

Tgt Ion:202 Resp: 10851

Ion	Ratio	Lower	Upper
202	100		
101	18.8	18.5	27.8
200	23.9	16.4	24.5
0	0.0	0.0	0.0

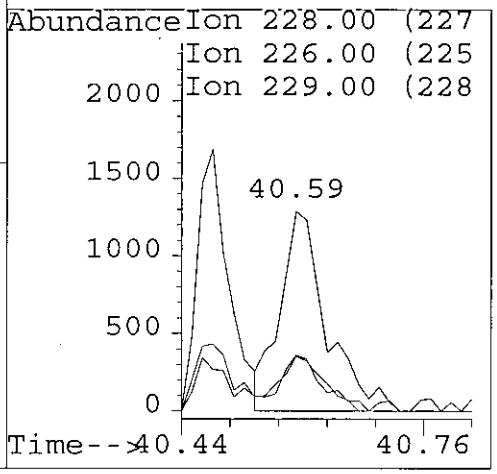


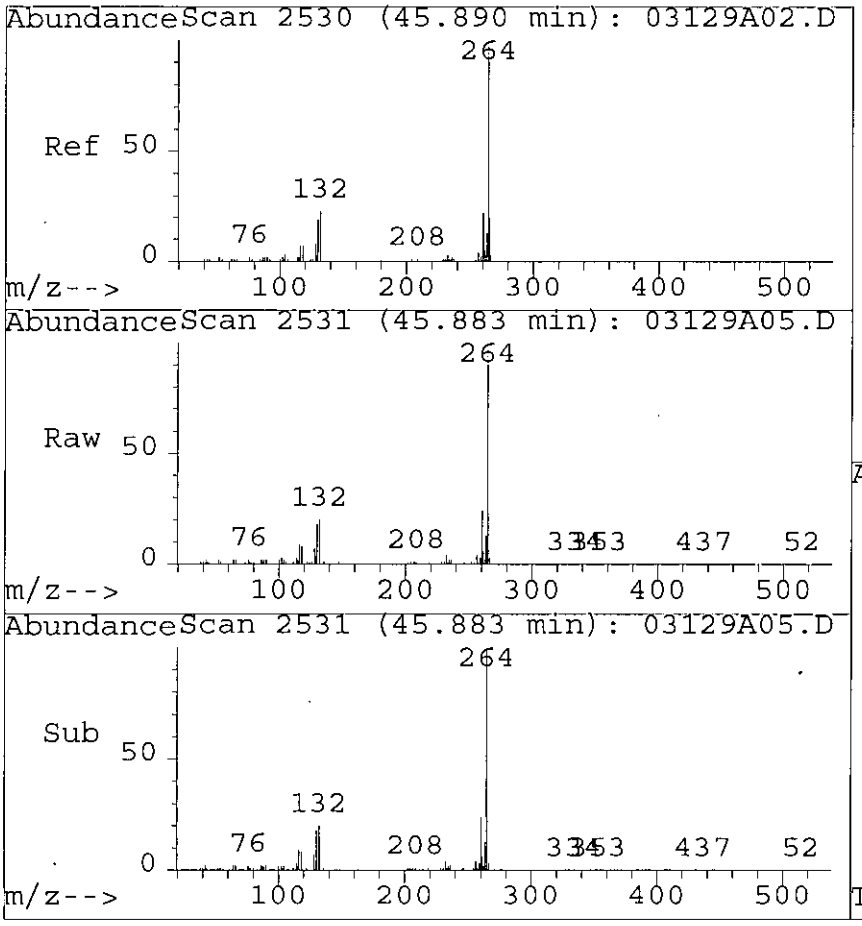


#90
CHRYSENE
Concen: 2.27 ug/ml
RT: 40.59 min Scan# 2152
Delta R.T. -0.03 min
Lab File: 03129a05.d
Acq: 12 Mar 99 1:49 pm

Tgt Ion:228 Resp: 5578

Ion	Ratio	Lower	Upper
228	100		
226	27.4	22.1	33.1
229	27.9	16.2	24.3#
0	0.0	0.0	0.0

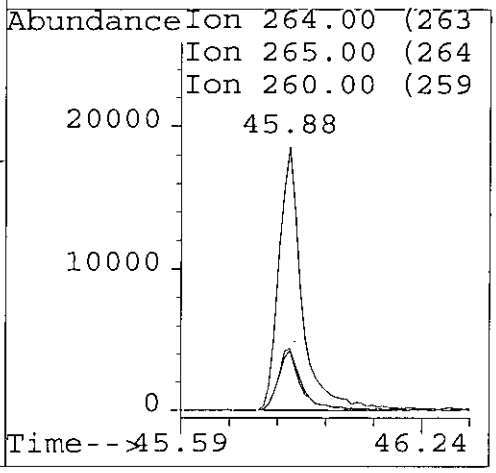


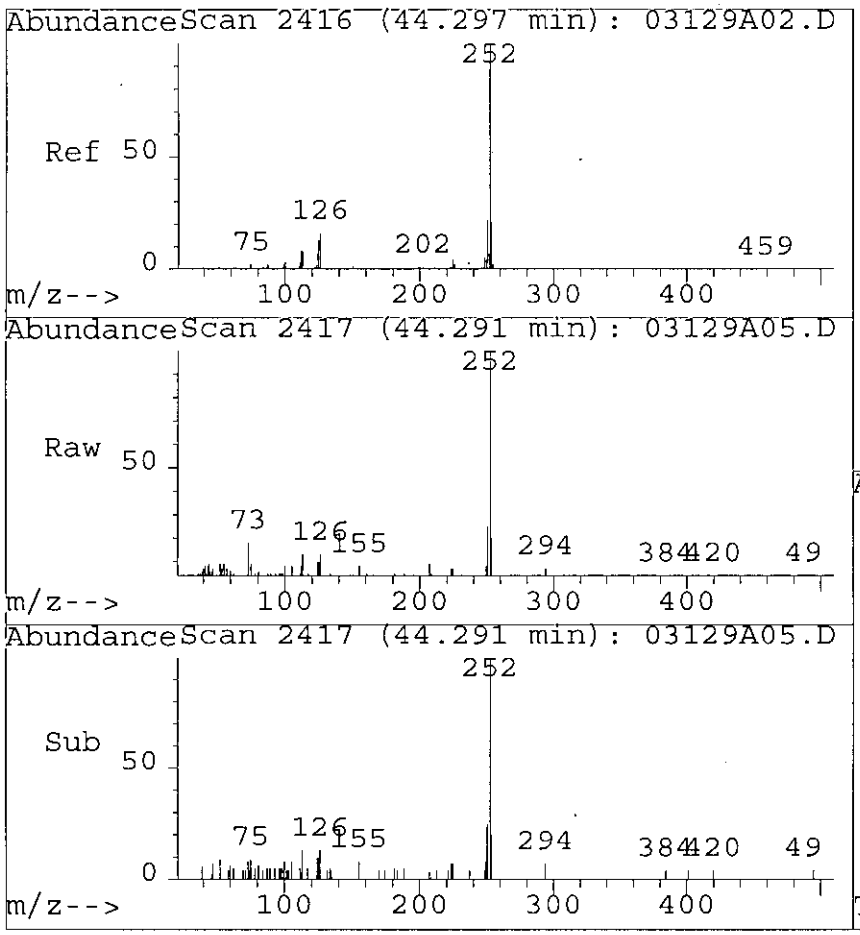


#92
PERYLENE-D12
Concen: 40.00 ug/ml
RT: 45.88 min Scan# 2531
Delta R.T. -0.01 min
Lab File: 03129a05.d
Acq: 12 Mar 99 1:49 pm

Tgt Ion:264 Resp: 81101

Ion	Ratio	Lower	Upper
264	100		
265	23.0	17.1	25.6
260	23.8	19.3	28.9
0	0.0	0.0	0.0

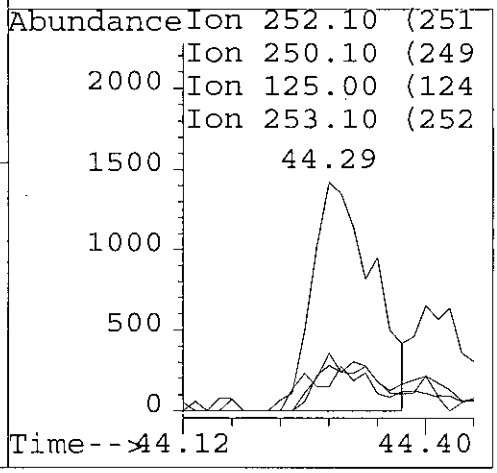


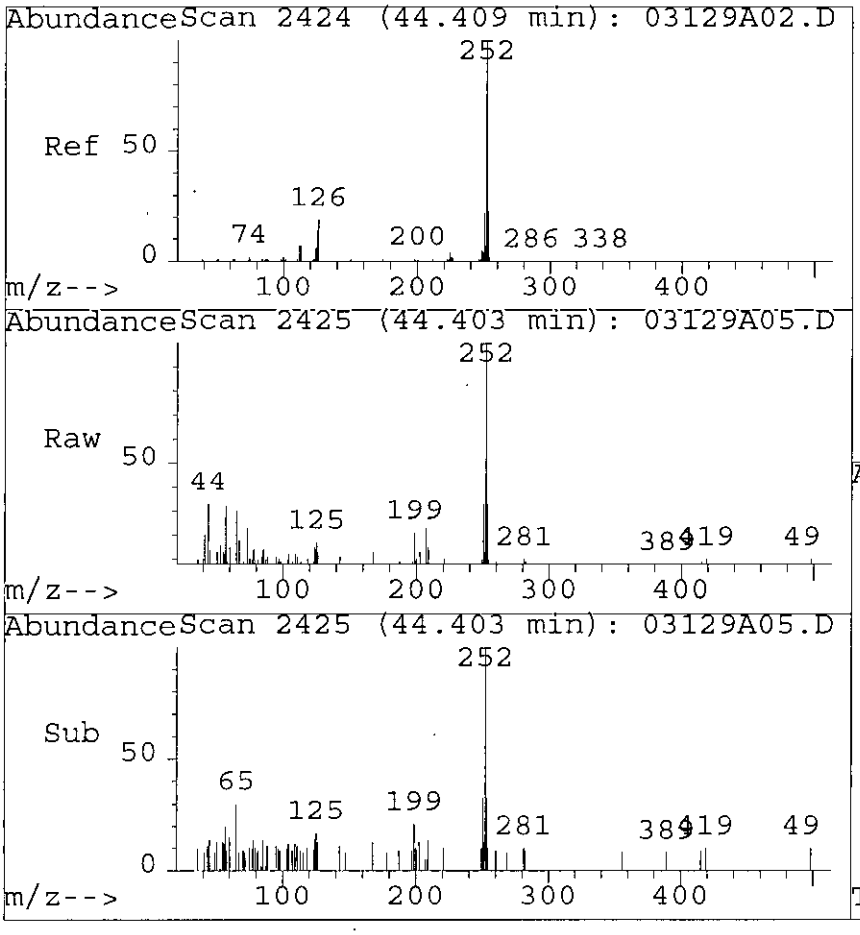


#94
BENZO(B)FLUORANTHENE
Concen: 2.62 ug/ml
RT: 44.29 min Scan# 2417
Delta R.T. -0.01 min
Lab File: 03129a05.d
Acq: 12 Mar 99 1:49 pm

Tgt Ion:252.1 Resp: 6948

Ion	Ratio	Lower	Upper
252	100		
250	25.1	20.5	30.8
125	10.5	18.1	27.2#
253	19.9	17.2	25.7

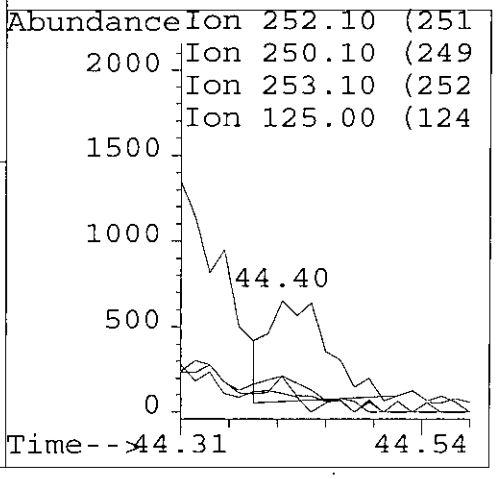


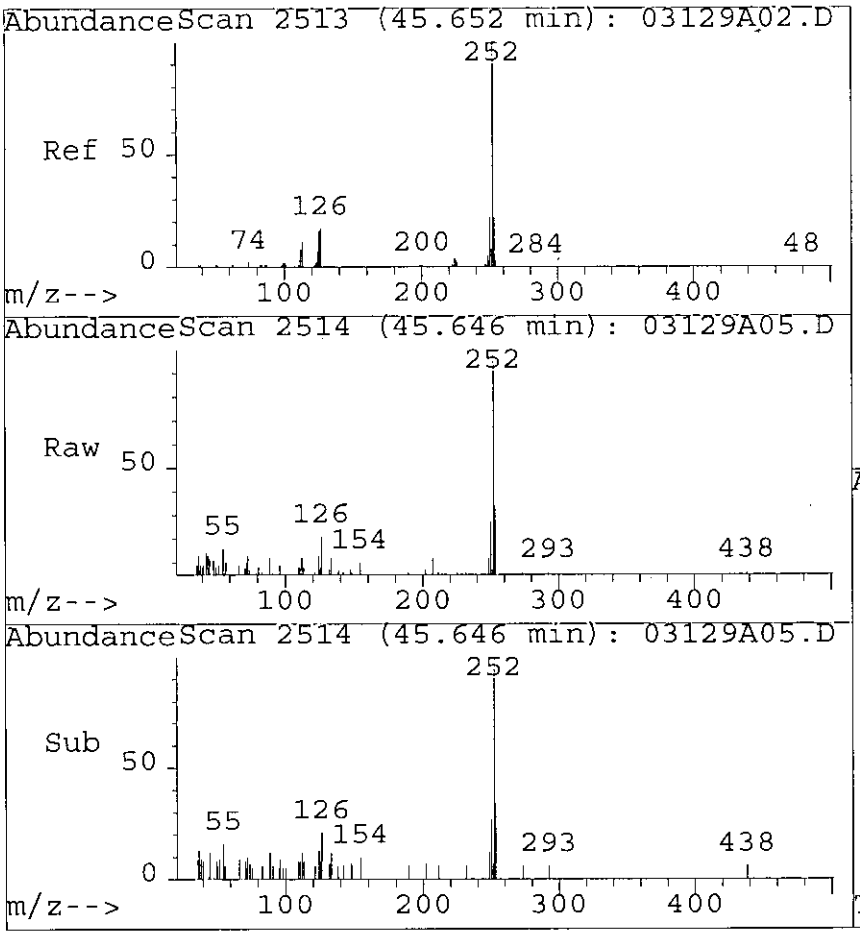


#95
BENZO(K)FLUORANTHENE
Concen: ~~0.83~~ ug/ml
RT: 44.40 min Scan# 2425
Delta R.T. -0.01 min
Lab File: 03129a05.d
Acq: 12 Mar 99 1:49 pm

Tgt Ion:252.1 Resp: 2311

Ion	Ratio	Lower	Upper
252	100		
250	32.9	18.5	27.7#
253	33.2	17.2	25.7#
125	16.7	18.2	27.3#

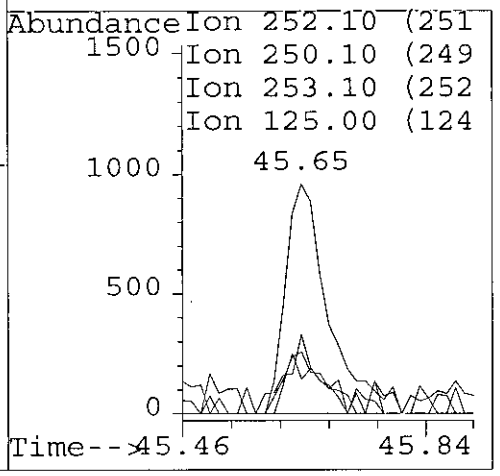


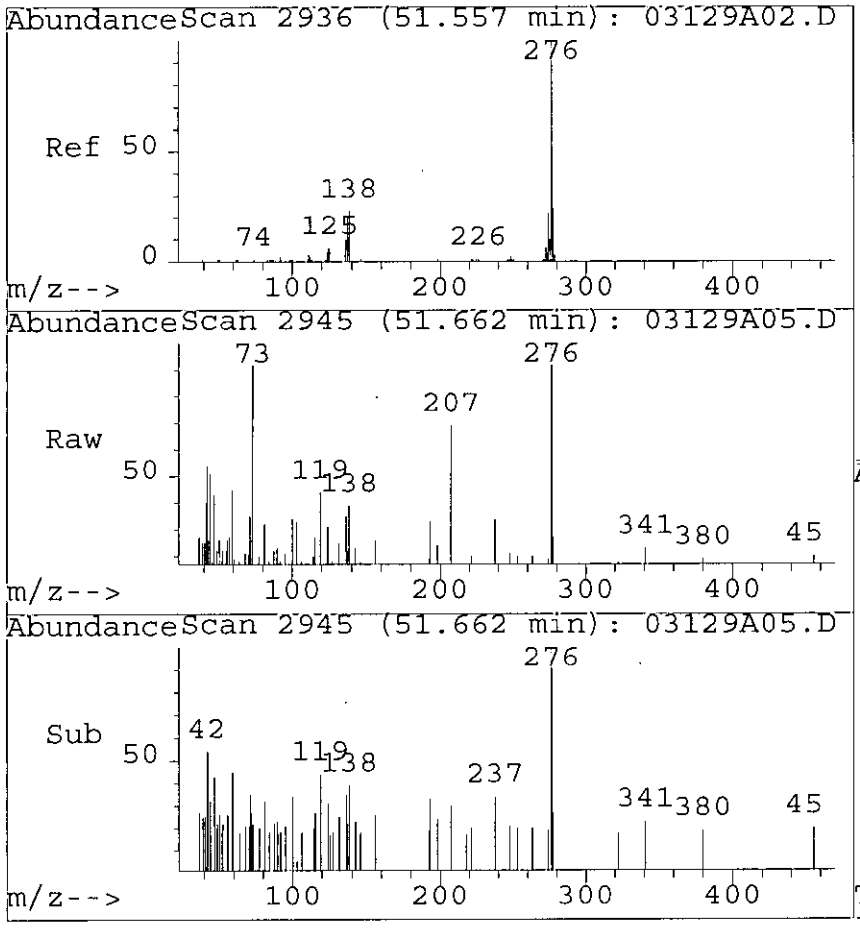


#96
BENZO(A)PYRENE
Concen: 1.78 ug/ml
RT: 45.65 min Scan# 2514
Delta R.T. -0.01 min
Lab File: 03129a05.d
Acq: 12 Mar 99 1:49 pm

Tgt Ion:252.1 Resp: 4380

Ion	Ratio	Lower	Upper
252	100		
250	26.8	18.7	28.0
253	34.3	15.9	23.8#
125	14.9	19.6	29.3#

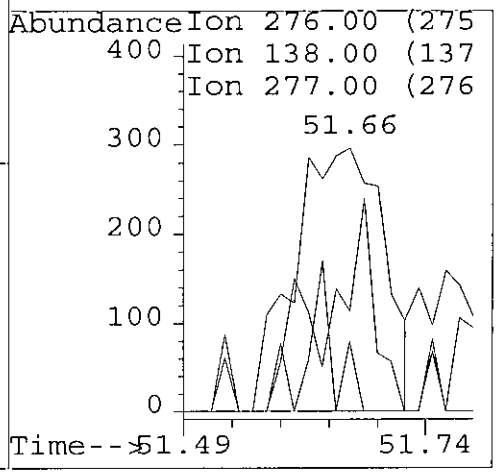


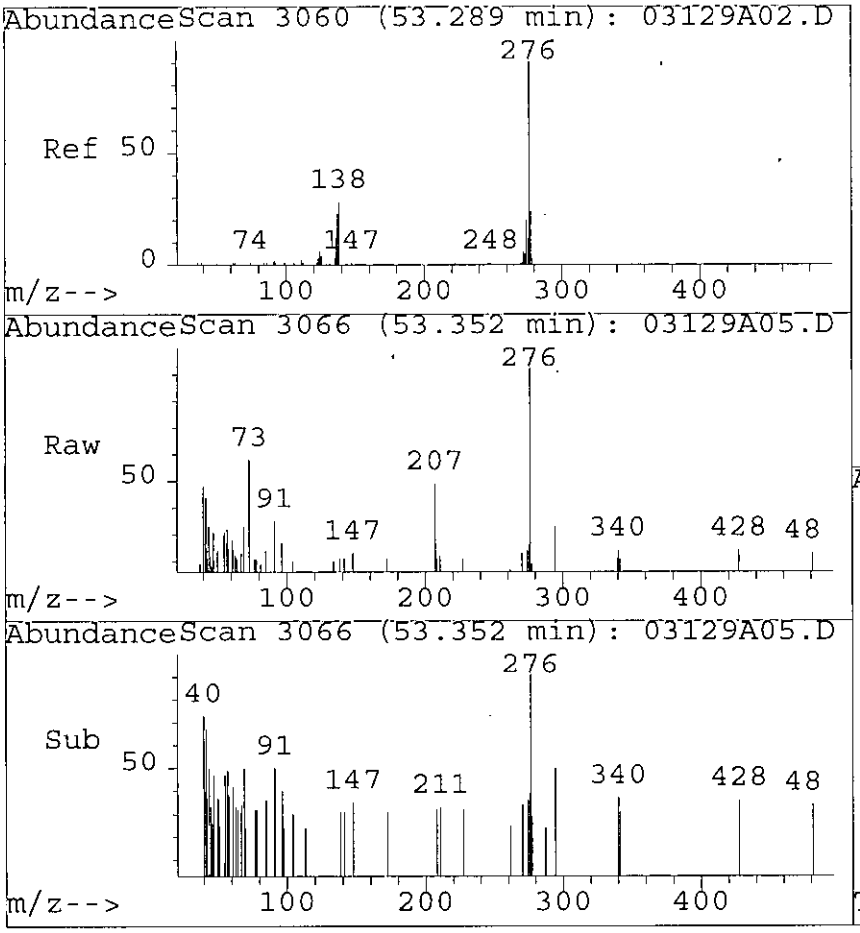


#97
INDENO(1,2,3-CD)PYRENE
Concen: 0.96 ug/ml
RT: 51.66 min Scan# 2945
Delta R.T. 0.11 min
Lab File: 03129a05.d
Acq: 12 Mar 99 1:49 pm

Tgt Ion:276 Resp: 1878

Ion	Ratio	Lower	Upper
276	100		
138	38.5	42.8	64.1#
277	27.0	20.0	29.9
0	0.0	0.0	0.0

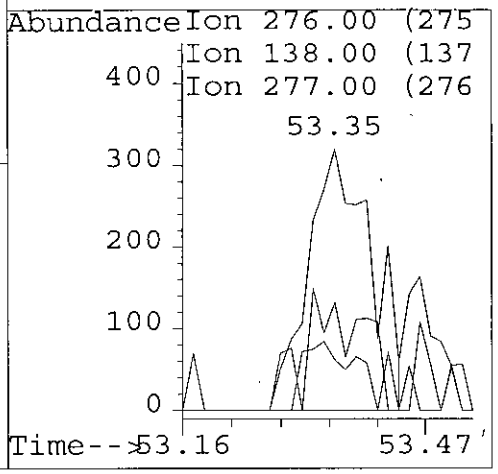




#99
BENZO(GHI)PERYLENE
Concen: 0.95 ug/ml
RT: 53.35 min Scan# 3066
Delta R.T. 0.06 min
Lab File: 03129a05.d
Acq: 12 Mar 99 1:49 pm

Tgt Ion:276 Resp: 1828

Ion	Ratio	Lower	Upper
276	100		
138	41.3	41.8	62.7#
277	19.4	24.6	36.9#
0	0.0	0.0	0.0



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\03129A05.D
Acq On : 12 Mar 99 1:49 pm
Sample : 67827
Misc : American Glue & Resin P#99187

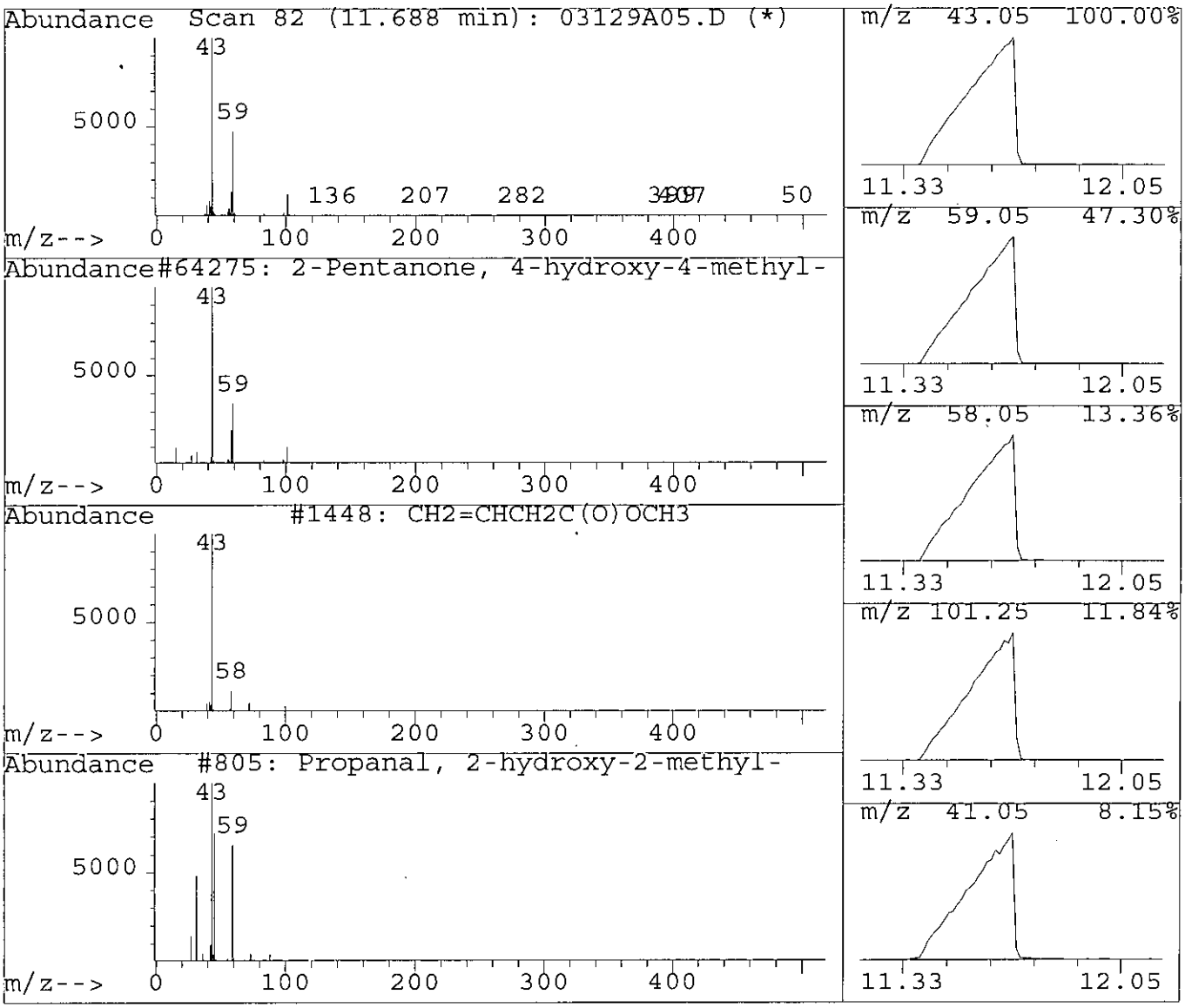
Vial: 5
Operator: ESAT
Inst : 5988
Multiplr: 221.58

Method : C:\HPCHEM\1\METHODS\03129A01.M
Title : semivolatiles
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	R.T.
11.69	544065.25 ug/ml	13876878	1,4-DICHLOROBENZENE-D4	16.30

Hit# of 20	Tentative ID	Ref#	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	64275	000123-42-2	50
2	CH2=CHCH2C(O)OCH3	1448	003724-55-8	12
3	Propanal, 2-hydroxy-2-methyl-	805	020818-81-9	9
4	2-Propanone, 1-(1-methylethoxy)-	3286	042781-12-4	9
5	Formamide, N,N-diethyl-	1629	000617-84-5	7

AB



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\03129A05.D
Acq On : 12 Mar 99 1:49 pm
Sample : 67827
Misc : American Glue & Resin P#99187

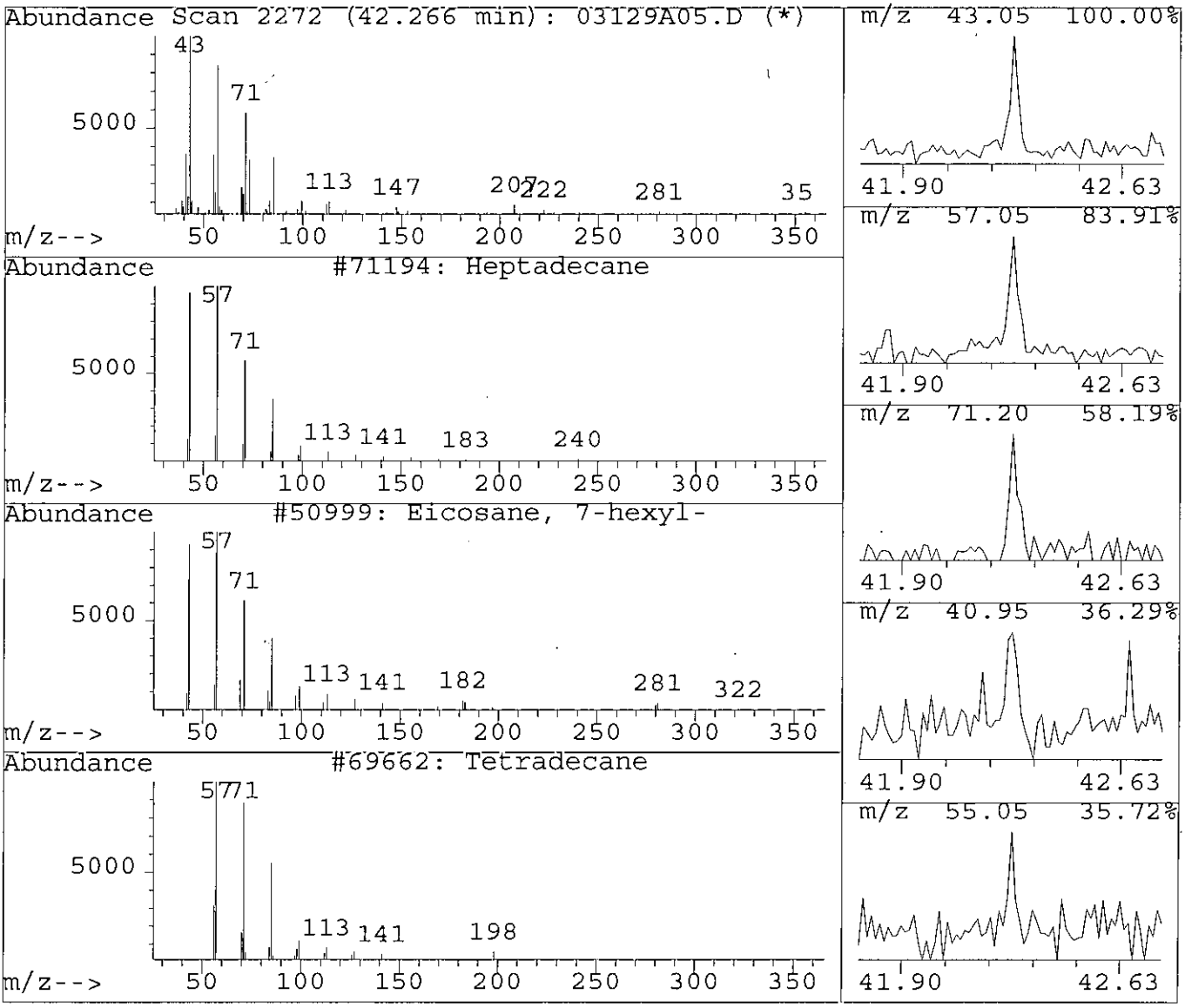
Vial: 5
Operator: ESAT
Inst : 5988
Multiplr: 221.58

Method : C:\HPCHEM\1\METHODS\03129A01.M
Title : semivolatiles
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	R.T.
42.27 ✓	746.60 ug/ml	28593 ✓	CHRYSENE-D12	40.51

Hit# of 20	Tentative ID	Ref#	CAS#	Qual
1	Heptadecane	71194	000629-78-7	78
2	Eicosane, 7-hexyl-	50999	055333-99-8	49
3	Tetradecane	69662	000629-59-4	46
4	Heptacosane	74082	000593-49-7	46
5	Eicosane	72324	000112-95-8	46

C26 HC-



Library Search Compound Report

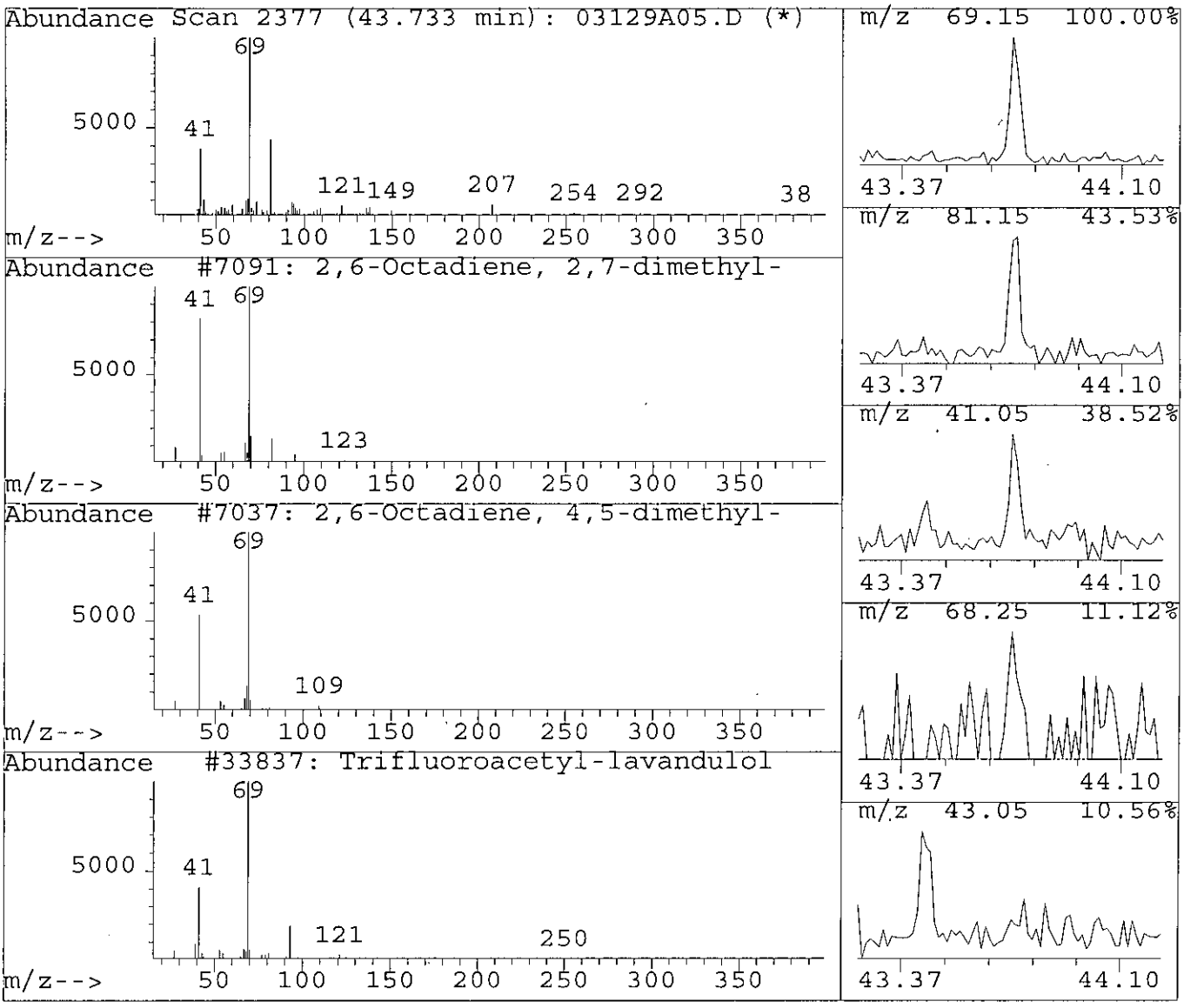
Data File : C:\HPCHEM\1\DATA\03129A05.D
Acq On : 12 Mar 99 1:49 pm
Sample : 67827
Misc : American Glue & Resin P#99187

Vial: 5
Operator: ESAT
Inst : 5988
Multiplr: 221.58

Method : C:\HPCHEM\1\METHODS\03129A01.M
Title : semivolatiles
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	R.T.
43.73✓	975.05 ug/ml	29023✓	PERYLENE-D12	45.88

Hit# of 20	Tentative ID	Ref#	CAS#	Qual
1	2,6-Octadiene, 2,7-dimethyl-	7091	016736-42-8	53
2	2,6-Octadiene, 4,5-dimethyl-	7037	018476-57-8	42
3	Trifluoroacetyl-lavandulol	33837	000000-00-0	42
4	Methanone, dicyclopropyl-	63858	001121-37-5	42
5	3-Pentyn-2-ol	568	027301-54-8	42



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\03129A05.D
Acq On : 12 Mar 99 1:49 pm
Sample : 67827
Misc : American Glue & Resin P#99187

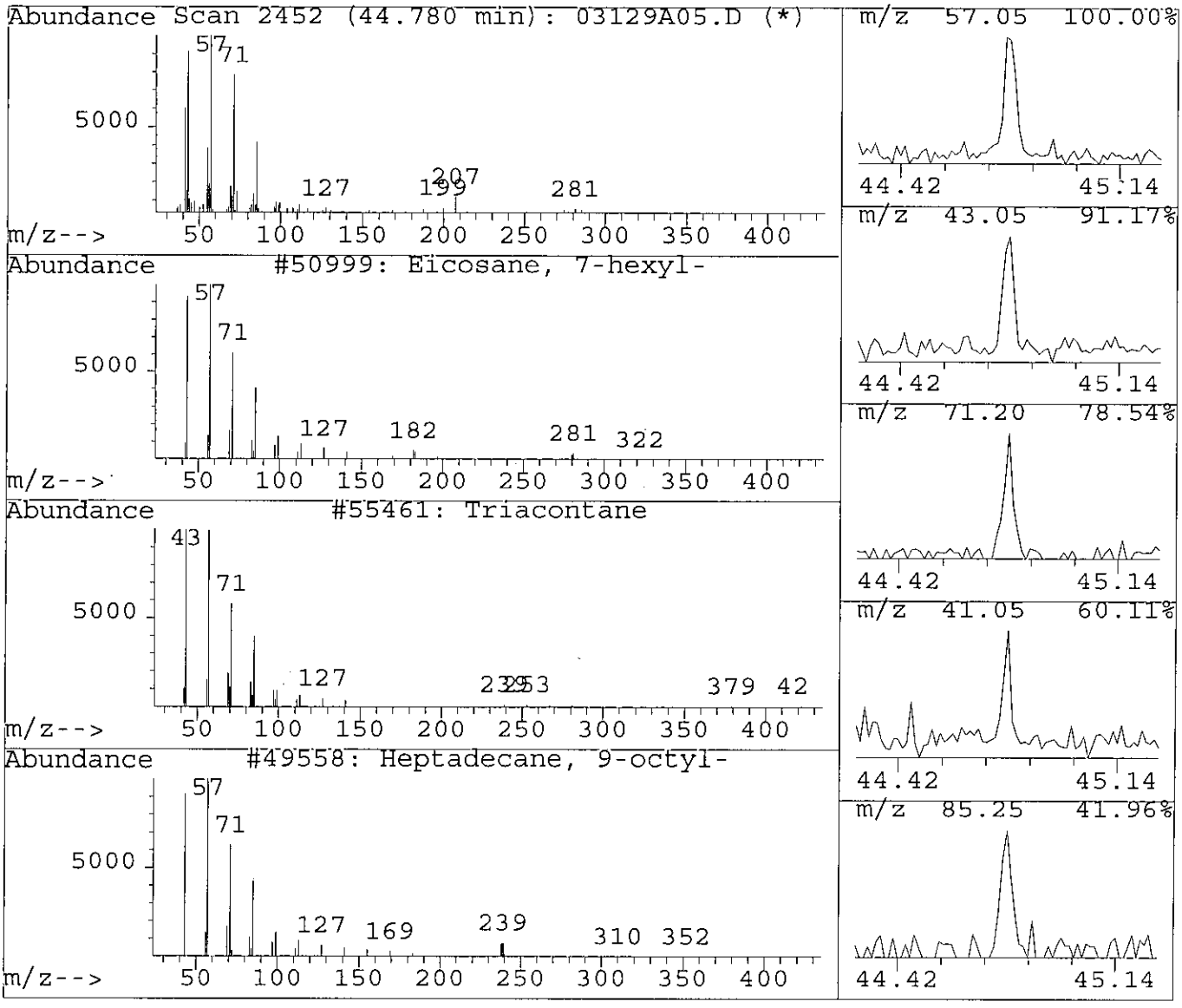
Vial: 5
Operator: ESAT
Inst : 5988
Multiplr: 221.58

Method : C:\HPCHEM\1\METHODS\03129A01.M
Title : semivolatiles
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	R.T.
44.78	1096.67 ug/ml	32643	PERYLENE-D12	45.88

Hit# of 20	Tentative ID	Ref#	CAS#	Qual
1	Eicosane, 7-hexyl-	50999	055333-99-8	68
2	Triacontane	55461	000638-68-6	64
3	Heptadecane, 9-octyl-	49558	007225-64-1	64
4	Tridecanol, 2-ethyl-2-methyl-	32423	000000-00-0	64
5	Tetracosane	73543	000646-31-1	64

C28 HC



TIC: 03129A05.D

67827

Peak#	Ret Time	Type	Width	Area	Start Time	End Time
1	11.087	rVB	0.098	11212	11.059	11.157
2	11.688	rBV	0.545	13876878	11.325	11.869
3	11.911	rVB	0.112	15980	11.869	11.981
4	12.470	rBV	0.279	575827-S	12.400	12.679
5	13.810	rBV	0.154	11423	13.740	13.894
6	15.304	rBV	0.363	699539-S	15.234	15.598
7	15.653	rVB	0.265	684002-S	15.598	15.863
8	16.296	rBV	0.224	238188-IS	16.170	16.394
9	16.784	rBV	0.154	308683-S	16.729	16.883
10	18.139	rBV	0.377	304939-S	18.027	18.405
11	20.457	rBV	0.307	276770-IS	20.373	20.680
12	21.449	rBV	0.126	13497	21.365	21.491
13	24.017	rBV	0.126	15038	23.947	24.073
14	24.129	rVV	0.308	431185-S	24.073	24.381
15	25.386	rVB	0.070	10265	25.358	25.428
16	26.405	rVB	0.251	281559-IS	26.321	26.573
17	26.894	rVB	0.126	14362	26.852	26.977
18	27.801	rBV	0.070	22318	27.773	27.843
19	28.178	rBV	0.182	11995	28.080	28.262
20	28.876	rBV	0.126	11432	28.779	28.904
21	29.128	rBV	0.378	559342-S	29.044	29.422
22	29.841	rBV	0.140	10491	29.771	29.910
23	30.664	rVB	0.098	13701	30.622	30.720
24	30.971	rBV	0.056	13730	30.943	30.999
25	31.488	rBV	0.322	320313-IS	31.418	31.740
26	33.569	rBV	0.112	16517	33.485	33.597
27	35.426	rVB	0.139	11671	35.384	35.523
28	35.649	rBV	0.181	44793-T	35.607	35.788
29	36.416	rBV	0.210	48595-T	36.333	36.542
30	36.975	rBV	0.266	656790-S	36.849	37.115
31	37.589	rVB	0.097	10158	37.548	37.645
32	37.799	rBV	0.098	11241	37.757	37.854
33	38.748	rVB	0.154	10992	38.664	38.817
34	39.488	rVB	0.112	14420	39.432	39.543
35	40.507	rBV	0.308	339441-IS	40.423	40.731
36	40.912	rVB	0.265	45583	40.786	41.051
37	41.177	rBV	0.181	13754	41.093	41.275
38	42.266	rBV	0.140	28593	42.210	42.350
39	43.453	rBV	0.168	17093	43.384	43.551
40	43.733	rBV	0.168	29023	43.691	43.859
41	44.306	rBV	0.154	25289-T	44.236	44.389
42	44.780	rBV	0.182	32643	44.654	44.836
43	45.632	rBV	0.112	11886-T	45.562	45.674
44	45.883	rBV	0.378	262414-IS	45.771	46.149
45	47.544	rBV	0.112	16598	47.489	47.600
46	48.061	rBV	0.140	25522	47.977	48.117
47	51.034	rVB	0.181	10402	50.909	51.090
48	52.654	rBV	0.084	12210	52.598	52.682
49	53.156	rBV	0.167	11303	53.031	53.198
50	53.324	rBV	0.126	14863	53.282	53.408
51	56.144	rVB	0.139	10687	56.088	56.227
52	57.944	rBV	0.112	18977	57.875	57.986

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

S67828

Lab EPA REG 1 Contract:

Proj 99187 Site: AMERICAN Location: Group:

Matrix: (soil/wat SOIL Lab Sample ID: S67828

Wt Sample wt/vol: 5.1 (g/mL) G Lab File ID: 03129A08.D

Dry: 4.49 Date Collected: 3/2/99

Level: (low/m MED Date Received: 3/3/99

% 15 decanted: (Y/N): Y Date Extracted: 3/9/99

Concentrated Extract Volume 1000 (uL) Date Analyzed: 3/12/99

Injection Volume 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y N pH: 0 Report Factor: 0.69

Concentration Units:

CAS No.	Compound	(ug/L or ug/Kg) ug/Kg	Q
62-53-3	ANILINE	2300	U
108-95-2	PHENOL	2300	U
111-44-4	BIS(2-CHLOROETHYL) ETHER	2300	U
95-57-8	2-CHLOROPHENOL	2300	U
541-73-1	1,3-DICHLOROBENZENE	2300	U
106-46-7	1,4-DICHLOROBENZENE	2300	U
100-51-6	BENZYL ALCOHOL	2300	U
95-50-1	1,2-DICHLOROBENZENE	2300	U
95-48-7	2-METHYLPHENOL	2300	U
108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	2300	U
106-44-5	4-METHYLPHENOL	2300	U
621-64-7	N-NITROSODIPROPYLAMINE	2300	U
67-72-1	HEXACHLOROETHANE	2300	U
98-95-3	NITROBENZENE	2300	U
78-59-1	ISOPHORONE	2300	U
88-75-5	2-NITROPHENOL	2300	U
105-67-9	2,4-DIMETHYLPHENOL	2300	U
111-91-1	BIS(2-CHLOROETHOXY)METHANE	2300	U
65-85-0	BENZOIC ACID	2300	U
120-83-2	2,4-DICHLOROPHENOL	2300	U
120-82-1	1,2,4-TRICHLOROBENZENE	2300	U
91-20-3	NAPHTHALENE	2300	U
106-47-8	4-CHLOROANILINE	2300	U
87-68-3	HEXACHLOROBUTADIENE	2300	U
59-50-7	4-CHLORO-3-METHYLPHENOL	2300	U
91-57-6	2-METHYLNAPHTHALENE	2300	U
77-47-4	HEXACHLOROCYCLOPENTADIENE	2300	U
88-06-2	2,4,6-TRICHLOROPHENOL	2300	U
95-95-4	2,4,5-TRICHLOROPHENOL	2300	U
91-58-7	2-CHLORONAPHTHALENE	2300	U
88-74-4	2-NITROANILINE	2300	U
131-11-3	DIMETHYLPHTHALATE	2300	U
208-96-8	ACENAPHTHYLENE	2300	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

S67828

Lab EPA REG 1 Contract:

Proj 99187 Site: AMERICAN Location: Group:

Matrix: (soil/wat SOIL Lab Sample ID: S67828

Sample wt/vol: 5.1 (g/mL) G Lab File ID: 03129A08.D

Level: (low/m MED Date Received: 3/3/99

% 15 decanted: (Y/N): Y Date Extracted: 3/9/99

Concentrated Extract Volume 1000 (uL) Date Analyzed: 3/12/99

Injection Volume 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y N pH: 0

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
606-20-2	2,6-DINITROTOLUENE	2300	U
99-09-2	3-NITROANILINE	2300	U
83-32-9	ACENAPHTHENE	2300	U
51-28-5	2,4-DINITROPHENOL	2300	U
132-64-9	DIBENZOFURAN	2300	U
100-02-7	4-NITROPHENOL	2300	U
121-14-2	2,4-DINITROTOLUENE	2300	U
84-66-2	DIETHYLPHTHALATE	2300	U
86-73-7	FLUORENE	2300	U
7005-72-3	4-CHLOROPHENYL-PHENYLETHER	2300	U
100-01-6	4-NITROANILINE	2300	U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	2300	U
86-30-6	N-NITROSODIPHENYLAMINE	2300	U
103-33-3	DIPHENYLHYDRAZINE(AZOBENZENE)	2300	U
101-55-3	4-BROMOPHENYL-PHENYLETHER	2300	U
319-84-6	BHC ISOMER (ALPHA)	2300	U
118-74-1	HEXACHLOROBENZENE	2300	U
319-85-7	BHC ISOMER (BETA)	2300	U
87-86-5	PENTACHLOROPHENOL	2300	U
58-89-9	LINDANE-BHC ISOMER (GAMA)	2300	U
85-01-8	PHENANTHRENE	2300	U
120-12-7	ANTHRACENE	2300	U
319-86-8	BHC ISOMER (DELTA)	2300	U
86-74-8	CARBAZOLE	2300	U
76-44-8	HEPTACHLOR	2300	U
84-74-2	DIBUTYLPHTHALATE	2300	U
309-00-2	ALDRIN	2300	U
1024-57-3	HEPTACHLOR EPOXIDE	2300	U
206-44-0	FLUORANTHENE	330	L J
129-00-0	PYRENE	300	L J
959-98-8	ENDOSULFAN I	2300	U
72-55-9	P,P-DDE	2300	U
60-57-1	DIELDRIN	2300	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

S67828

Lab EPA REG 1 Contract:

Proj 99187 Site: AMERICAN Location: Group:

Matrix: (soil/wat SOIL Lab Sample ID: S67828

Sample wt/vol: 5.1 (g/mL) G Lab File ID: 03129A08.D

Level: (low/m MED Date Received: 3/3/99

% 15 decanted: (Y/N): Y Date Extracted: 3/9/99

Concentrated Extract Volume 1000 (uL) Date Analyzed: 3/12/99

Injection Volume 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y N pH: 0

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
72-20-8	ENDRIN	2300	U
33213-65-9	ENDOSULFAN II	2300	U
72-54-8	P,P-DDD	2300	U
85-68-7	BUTYLBENZYLPHTHALATE	2300	U
50-29-3	P,P-DDT	2300	U
1031-07-8	ENDOSULFAN SULFATE	2300	U
72-43-5	METHOXYCHLOR	2300	U
53494-70-5	ENDRIN KETONE	2300	U
91-94-1	3,3-DICHCHLOROBENZIDINE	2300	U
56-55-3	BENZ(A)ANTHRACENE	2300	U
218-01-9	CHRYSENE	2300	U
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	250	L
117-84-0	DI-N-OCTYLPHTHALATE	2300	U
205-99-2	BENZO(B)FLUORANTHENE	2300	U
207-08-9	BENZO(K)FLUORANTHENE	2300	U
50-32-8	BENZO(A)PYRENE	2300	U
193-39-5	INDENO(1,2,3-CD)PYRENE	2300	U
53-70-3	DIBENZO(A,H)ANTHRACENE	2300	U
191-24-2	BENZO(GHI)PERYLENE	2300	U

QUANTITATION SHEET

SAMPLE NUMBER 67828

Tentatively Identified Compounds

SCAN NO.	COMPOUND	PROB. MATCH	CONC (ug/ml)	EST. C. (ug/kg)	CAS NO.	CHEM. FORM.
71	~~4-hydroxy-4-methyl-2-pentanone~~	50	-	~200,000 NB	123-42-2	
1595	Unknown Carboxylic acid	87	-	~2000 J	-	
1641	Unknown Carboxylic acid	70	-	~2000 J	-	
2451	C28 Hydrocarbon	80	-	~2000 J	-	
2685	C30 Hydrocarbon	47	-	~3000 J	-	
3417	Unknown	-	-	~1000 J	-	

~ = Approximate
< = Less than
> = Greater than
NA = Not available due to dilution or interference
E = Estimated value that exceeds the calibration range
L = Estimated value that is below the calibration range
B = Analyte associated with the lab, trip blank. Reported values are 5X higher than blank. Phthalates must be 10X.

Quantitation Report

Data File : C:\HPCHEM\1\DATA\03129A08.D
Acq On : 12 Mar 99 5:11 pm
Sample : 67828
Misc : American Glue & Resin P#99187
Quant Time: Mar 13 10:00 1999

Vial: 8
Operator: ESAT
Inst : 5988
Multiplr: 229.46

Method : C:\HPCHEM\1\METHODS\03129A01.M
Title : semivolatiles
Last Update : Fri Mar 12 11:19:03 1999
Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DICHLOROBENZENE-D4	16.30	150	51863	40.00	ug/ml	-0.01
19) NAPHTHALENE-D8	20.44	136	118411	40.00	ug/ml	-0.02
34) ACENAPHTHENE-D10	26.39	164	59649	40.00	ug/ml	-0.02
54) PHENANTHRENE-D10	31.49	188	110851	40.00	ug/ml	-0.02
74) CHRYSENE-D12	40.51	240	110594	40.00	ug/ml	-0.01
92) PERYLENE-D12	45.88	264	89920	40.00	ug/ml	0.00
System Monitoring Compounds						**%Recovery**
2) FLUOROPHENOL	12.46	112	160450	161.78	ug/ml	80.89%
4) PHENOL-D5	15.30	99	246142	180.55	ug/ml	90.27%
5) 2-CHLOROPHENOL-D4	15.65	132	164824	160.53	ug/ml	80.27%
12) 1,2-DICHLOROBENZENE-D4	16.78	150	74759	63.20	ug/ml	63.20%
20) NITROBENZENE-D5	18.14	82	126463	72.39	ug/ml	72.39%
38) FLUOROBIPHENYL	24.13	172	155534	77.83	ug/ml	77.83%
58) 2,4,6-TRIBROMOPHENOL	29.13	330	72840	164.26	ug/ml	82.13%
78) P-TERPHENYL-D14	36.96	244	224175	81.88	ug/ml	81.88%
Target Compounds						**Qvalue**
73) FLUORANTHENE	35.65	202	4484	331.19	ug/ml	92
75) PYRENE	36.42	202	4275	296.03	ug/ml#	93
91) BIS(2-ETHYLHEXYL)PHTHALATE	40.58	149	2964	255.10	ug/ml	95

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

Quantitation Report

Data File : c:\hpchem\1\data\03129a08.d
Acq On : 12 Mar 99 5:11 pm
Sample : 67828
Misc : American Glue & Resin P#99187
Quant Time: Mar 13 8:41 1999

Vial: 8
Operator: ESAT
Inst : 5988
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\03129A01.M
Title : semivolatiles
Last Update : Fri Mar 12 11:19:03 1999
Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DICHLOROBENZENE-D4	16.30	150	51863	40.00	ug/ml	-0.01
19) NAPHTHALENE-D8	20.44	136	118411	40.00	ug/ml	-0.02
34) ACENAPHTHENE-D10	26.39	164	59649	40.00	ug/ml	-0.02
54) PHENANTHRENE-D10	31.49	188	110851	40.00	ug/ml	-0.02
74) CHRYSENE-D12	40.51	240	110594	40.00	ug/ml	-0.01
92) PERYLENE-D12	45.88	264	89920	40.00	ug/ml	0.00
System Monitoring Compounds						%Recovery
2) FLUOROPHENOL	12.46	112	160450	161.78	ug/ml	80.89%
4) PHENOL-D5	15.30	99	246142	180.55	ug/ml	90.27%
5) 2-CHLOROPHENOL-D4	15.65	132	164824	160.53	ug/ml	80.27%
12) 1,2-DICHLOROBENZENE-D4	16.78	150	74759	63.20	ug/ml	63.20%
20) NITROBENZENE-D5	18.14	82	126463	72.39	ug/ml	72.39%
38) FLUOROBIPHENYL	24.13	172	155534	77.83	ug/ml	77.83%
58) 2,4,6-TRIBROMOPHENOL	29.13	330	72840	164.26	ug/ml	82.13%
78) P-TERPHENYL-D14	36.96	244	224175	81.88	ug/ml	81.88%
Target Compounds						Qvalue
6) PHENOL	15.35	94	1601	~~1.12 ug/ml#~~		1
11) BENZYL ALCOHOL	16.78	79	2072	~~3.42 ug/ml#~~		40
56) N-NITROSODIPHENYLAMINE	29.13	169	1668	~~1.30 ug/ml#~~		42
65) PHENANTHRENE	31.56	178	2181	~~0.75 ug/ml~~		96
66) ANTHRACENE	~~31.56~~ 31.80	178	~~2018~~ 616	~~0.71 ug/ml~~ ~~0.22~~		96
73) FLUORANTHENE	35.65	202	4484	1.44	ug/ml	92
75) PYRENE	36.42	202	4275	1.29	ug/ml#	93
89) BENZ(A)ANTHRACENE	40.47	228	1899	~~0.66 ug/ml~~		98
90) CHRYSENE	40.60	228	2016	~~0.74 ug/ml~~		96
91) BIS(2-ETHYLHEXYL)PHTHALATE	40.58	149	2964	1.11	ug/ml	95
94) BENZO(B)FLUORANTHENE	44.32	252	2927	~~0.99 ug/ml#~~		89
95) BENZO(K)FLUORANTHENE	~~44.32~~ 44.43	252	~~2927~~ 1260	~~0.94 ug/ml~~ ~~0.44~~		91
96) BENZO(A)PYRENE	45.64	252	1578	~~0.58 ug/ml~~		96

wet WT = 5.109
Dry WT = 4.358
% moist = 14.7
1 ml FV
NO D.C
MW = 229.4630564

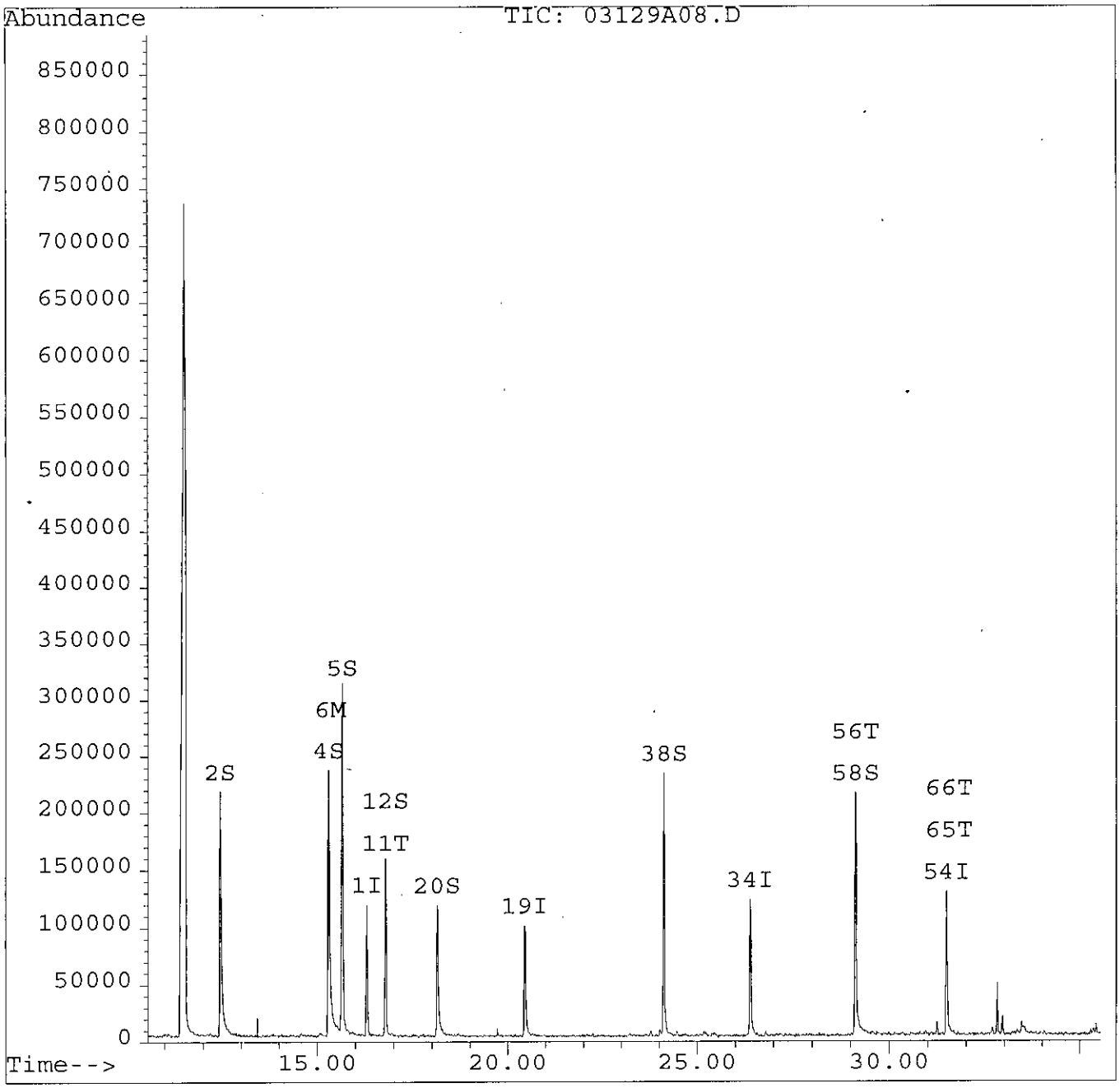
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : c:\hpchem\1\data\03129a08.d
Acq On : 12 Mar 99 5:11 pm
Sample : 67828
Misc : American Glue & Resin P#99187
Quant Time: Mar 13 8:41 1999

Vial: 8
Operator: ESAT
Inst : 5988
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\03129A01.M
Title : semivolatiles
Last Update : Fri Mar 12 11:19:03 1999
Response via : Single Level Calibration

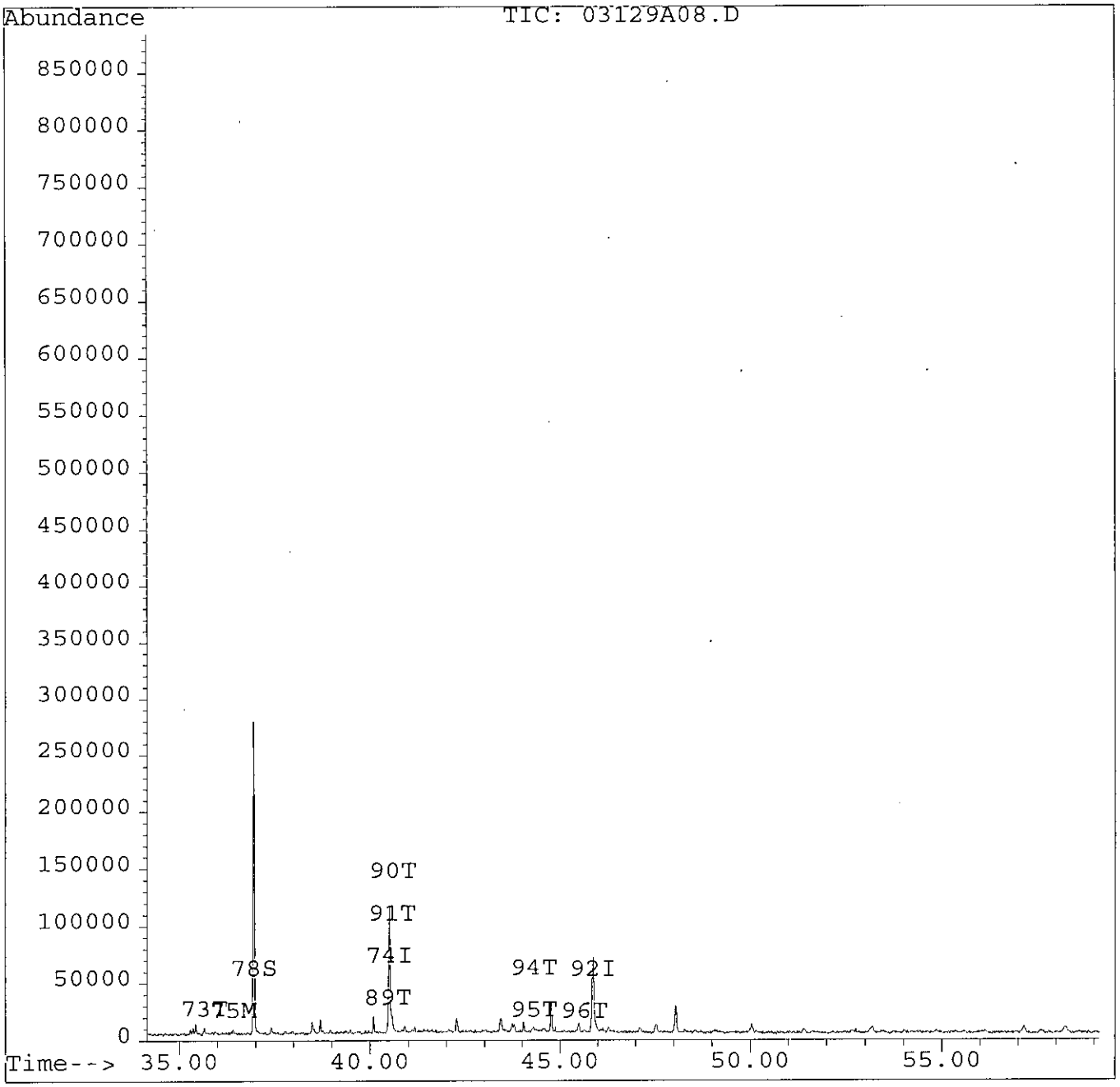


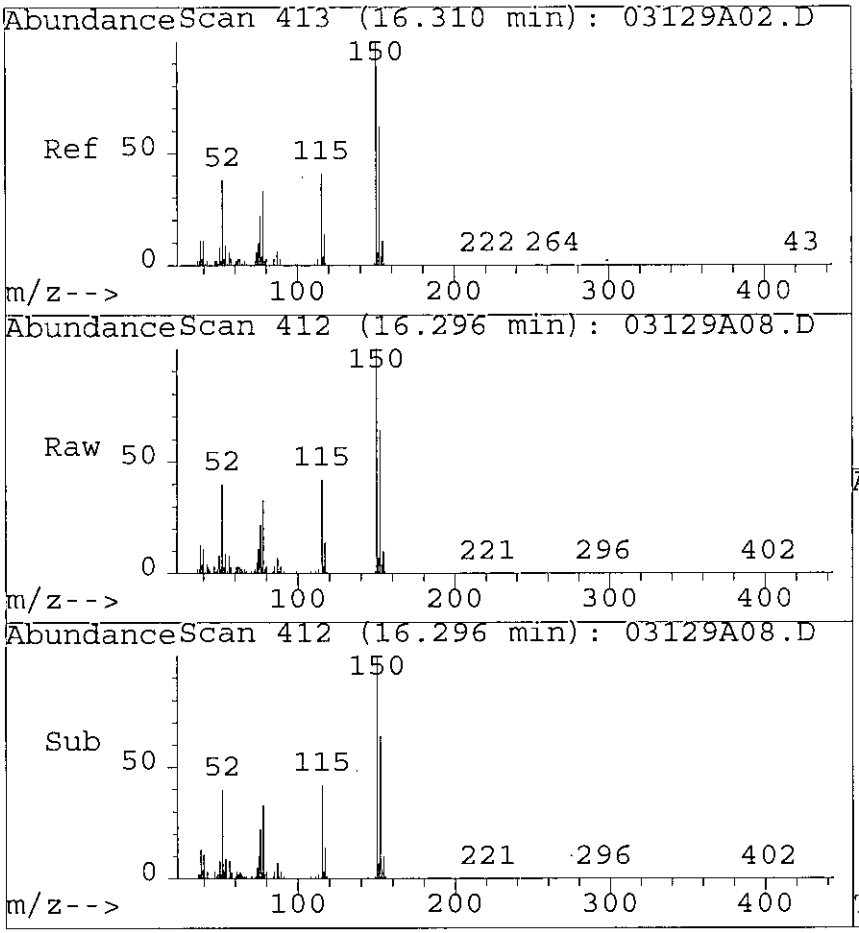
Quantitation Report

Data File : c:\hpchem\1\data\03129a08.d
Acq On : 12 Mar 99 5:11 pm
Sample : 67828
Misc : American Glue & Resin P#99187
Quant Time: Mar 13 8:41 1999

Vial: 8
Operator: ESAT
Inst : 5988
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\03129A01.M
Title : semivolatiles
Last Update : Fri Mar 12 11:19:03 1999
Response via : Single Level Calibration

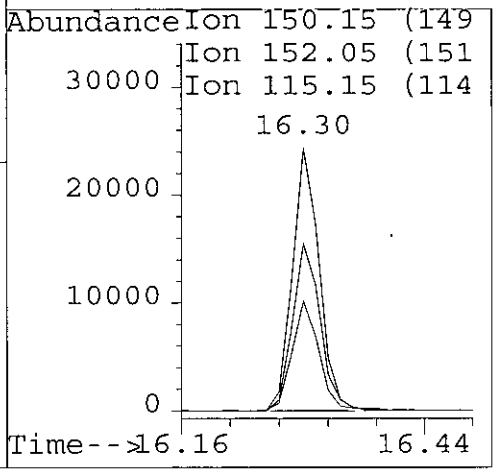


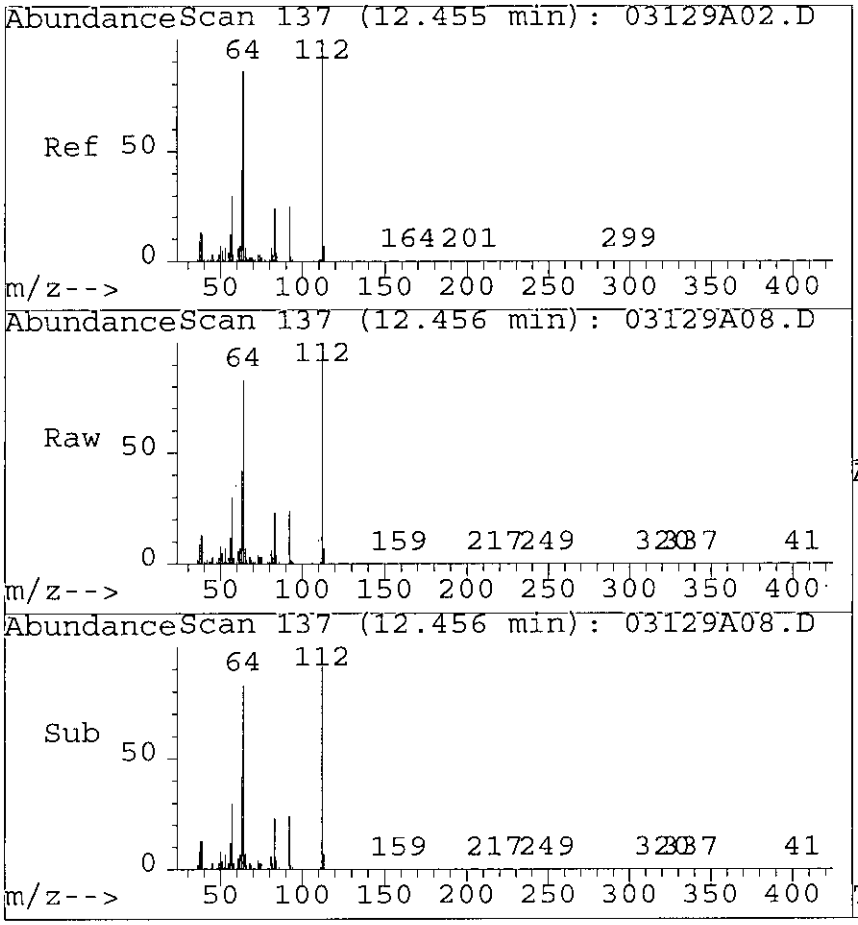


#1
1,4-DICHLOROBENZENE-D4
Concen: 40.00 ug/ml
RT: 16.30 min Scan# 412
Delta R.T. -0.01 min
Lab File: 03129a08.d
Acq: 12 Mar 99 5:11 pm

Tgt Ion:150.15 Resp: 51863

Ion	Ratio	Lower	Upper
150	100		
152	63.8	51.1	76.6
115	41.8	34.7	52.0
0	0.0	0.0	0.0

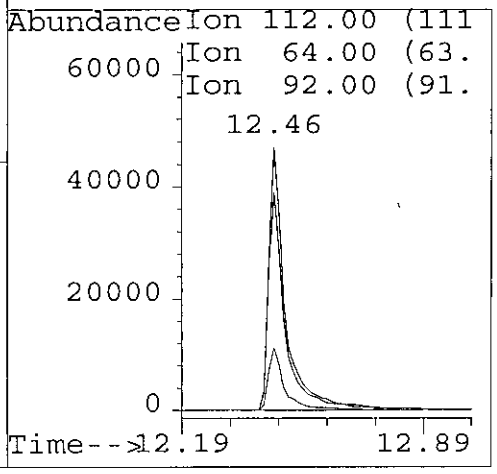


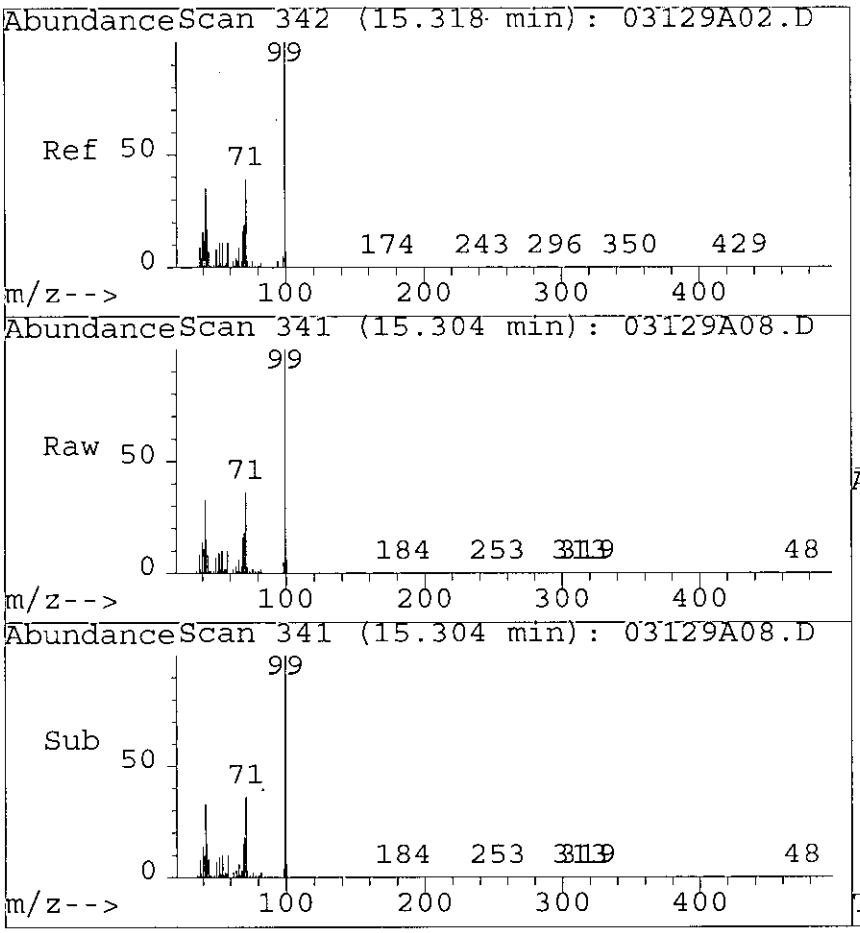


#2
FLUOROPHENOL
Concen: 161.78 ug/ml
RT: 12.46 min Scan# 137
Delta R.T. 0.00 min
Lab File: 03129a08.d
Acq: 12 Mar 99 5:11 pm

Tgt Ion:112 Resp: 160450

Ion	Ratio	Lower	Upper
112	100		
64	83.1	55.4	83.1
92	24.0	24.7	37.0#
0	0.0	0.0	0.0

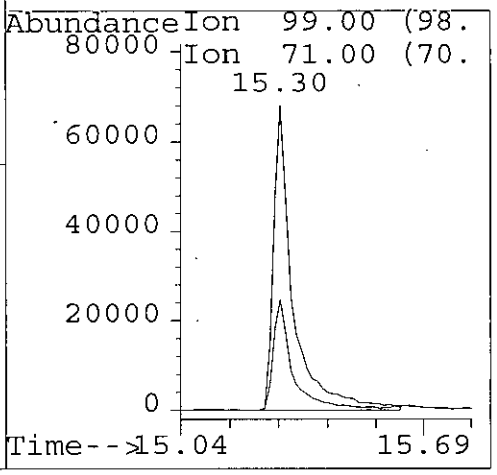


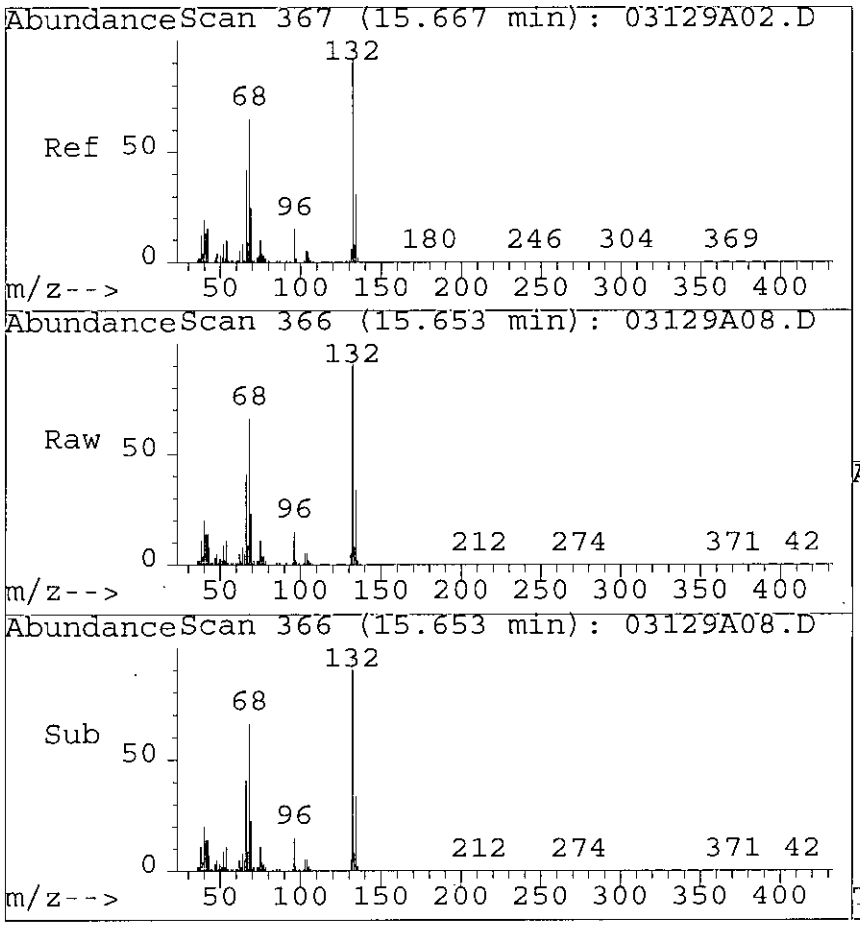


#4
PHENOL-D5
Concen: 180.55 ug/ml
RT: 15.30 min Scan# 341
Delta R.T. -0.01 min
Lab File: 03129a08.d
Acq: 12 Mar 99 5:11 pm

Tgt Ion:99 Resp: 246142

Ion	Ratio	Lower	Upper
99	100		
71	36.3	27.7	41.4
0	0.0	0.0	0.0
0	0.0	0.0	0.0

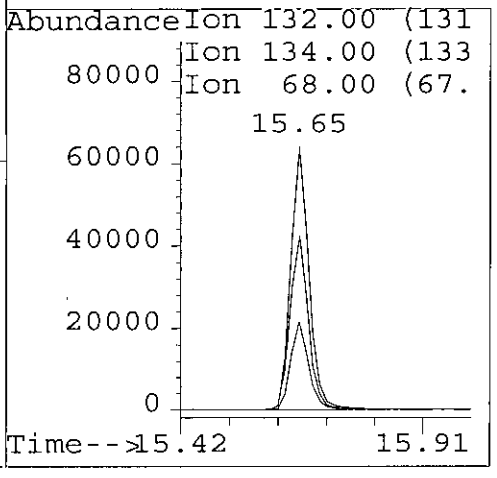


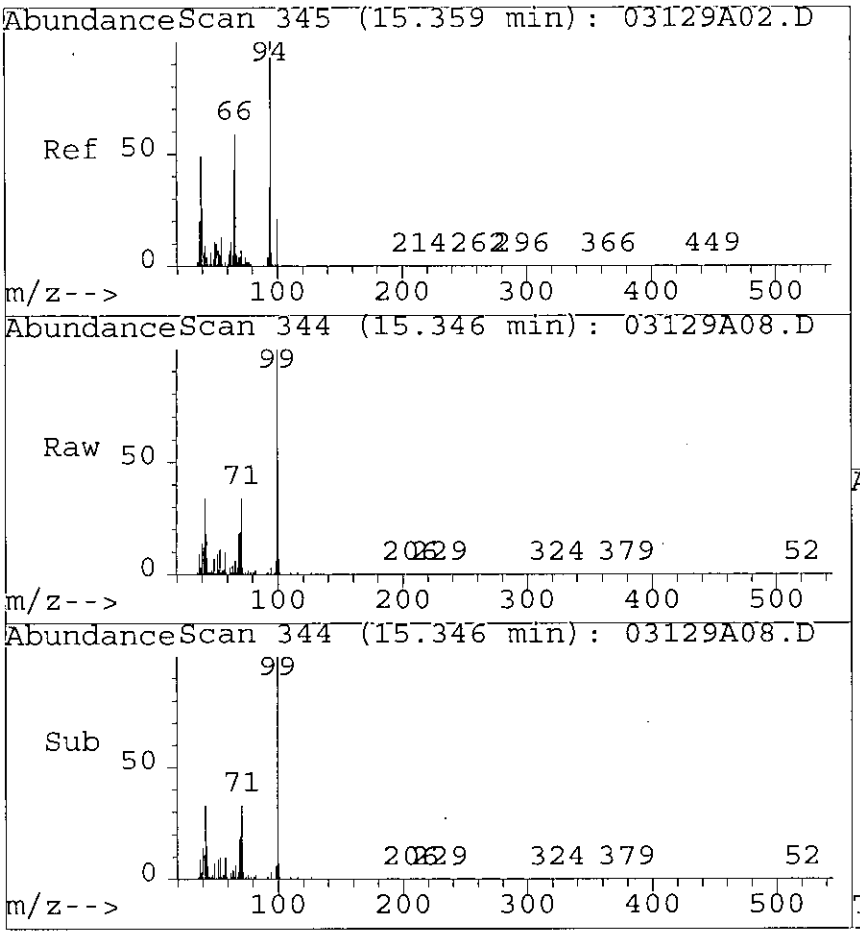


#5
2-CHLOROPHENOL-D4
Concen: 160.53 ug/ml
RT: 15.65 min Scan# 366
Delta R.T. -0.01 min
Lab File: 03129a08.d
Acq: 12 Mar 99 5:11 pm

Tgt Ion:132 Resp: 164824

Ion	Ratio	Lower	Upper
132	100		
134	33.7	24.0	35.9
68	66.3	40.0	59.9#
0	0.0	0.0	0.0

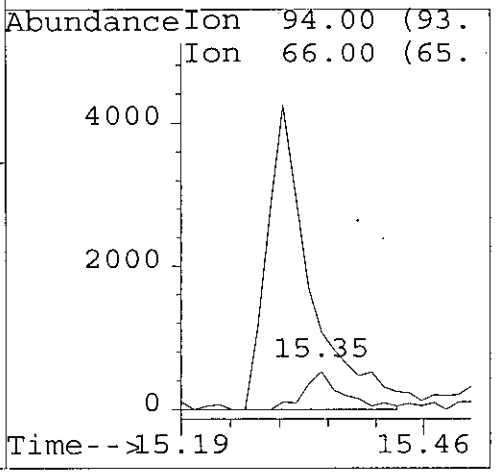


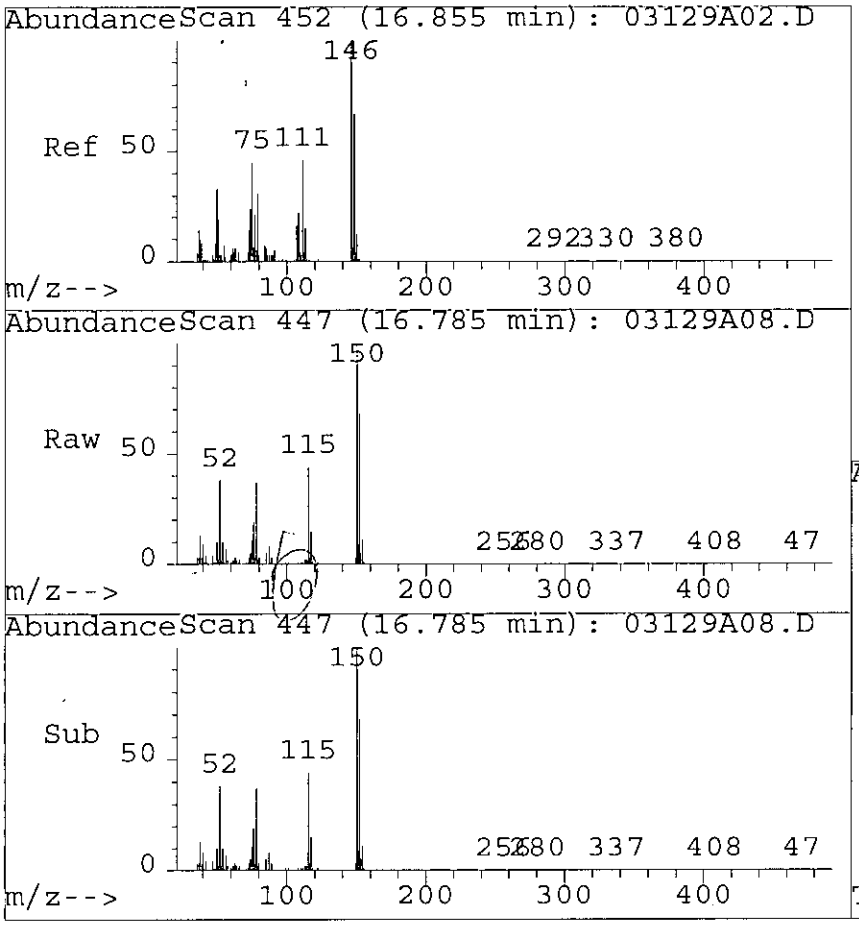


#6
PHENOL
Concen: 1.12 ug/ml
RT: 15.35 min Scan# 344
Delta R.T. -0.01 min
Lab File: 03129a08.d
Acq: 12 Mar 99 5:11 pm

Tgt Ion:94 Resp: 1601

Ion	Ratio	Lower	Upper
94	100		
66	203.2	35.1	52.6#
0	0.0	0.0	0.0
0	0.0	0.0	0.0

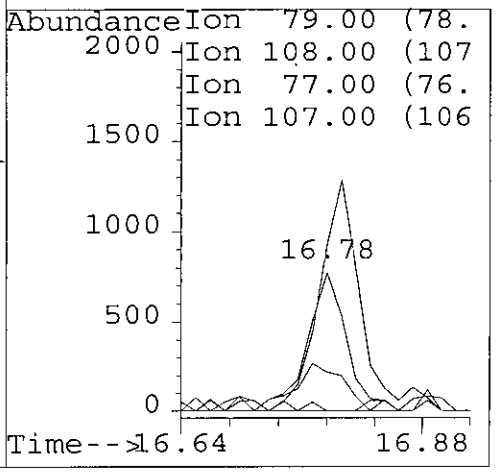


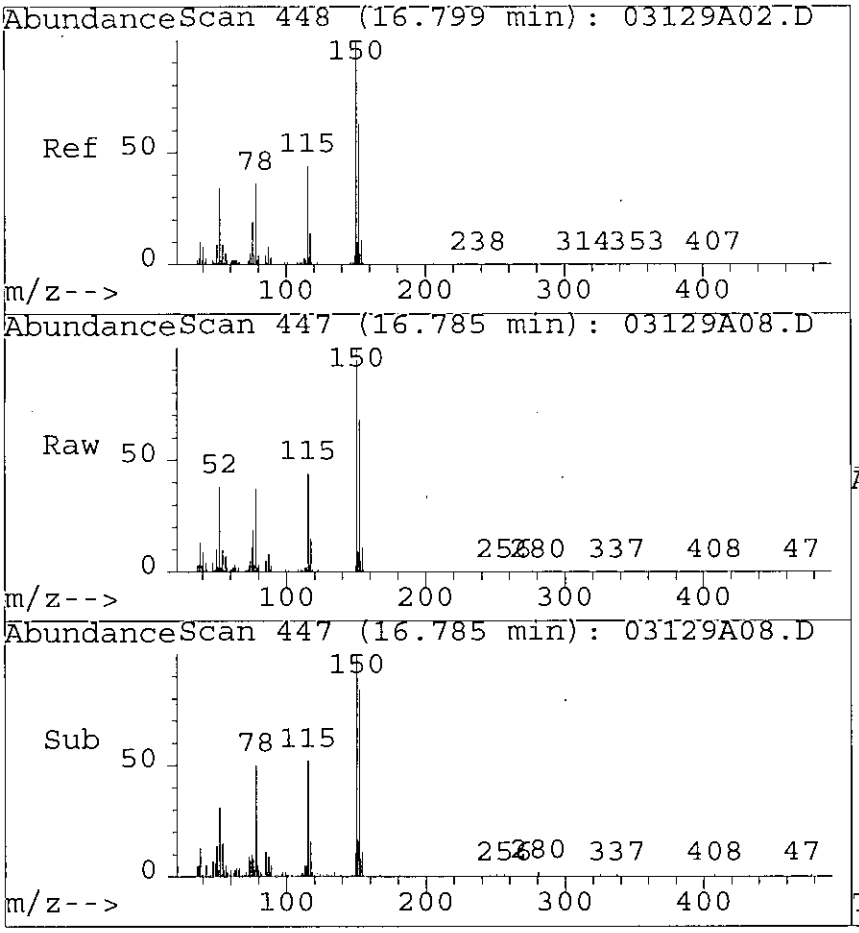


#11
BENZYL ALCOHOL
Concen: 3.42 ug/ml
RT: 16.78 min Scan# 447
Delta R.T. -0.07 min
Lab File: 03129a08.d
Acq: 12 Mar 99 5:11 pm

Tgt Ion:79 Resp: 2072

Ion	Ratio	Lower	Upper
79	100		
108	28.7	49.9	74.8#
77	121.0	53.8	80.7#
107	0.0	39.1	58.6#

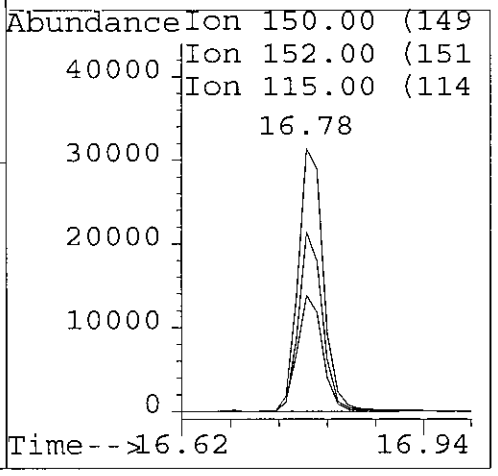


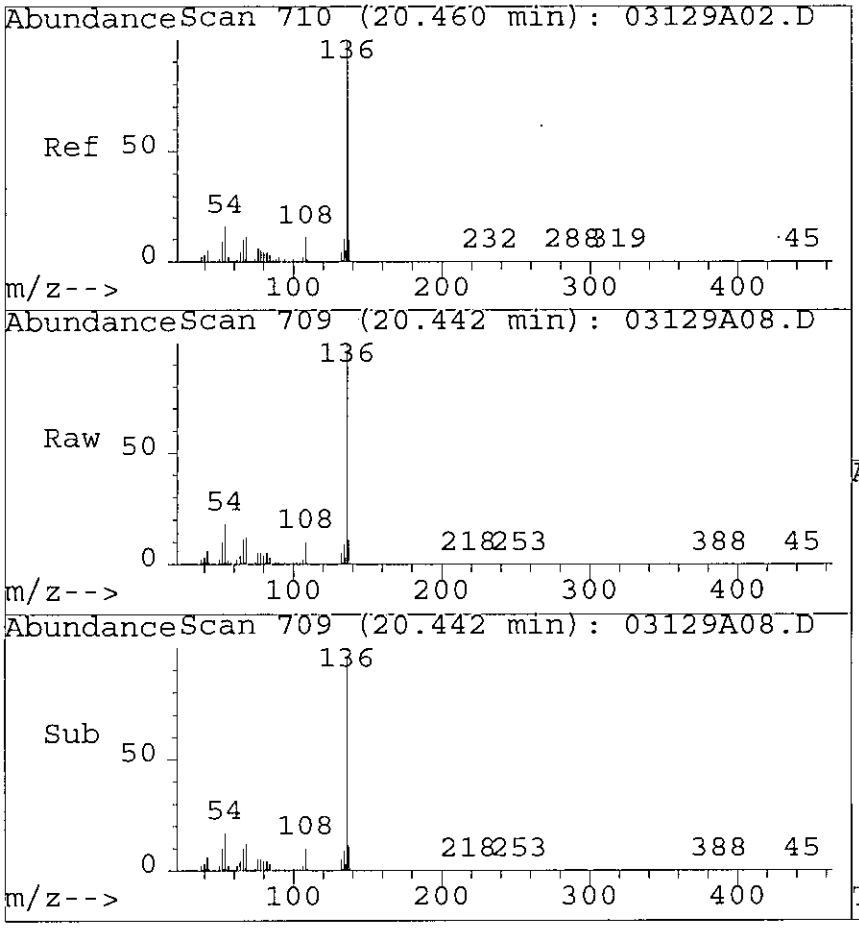


#12
1,2-DICHLOROBENZENE-D4
Concen: 63.20 ug/ml
RT: 16.78 min Scan# 447
Delta R.T. -0.01 min
Lab File: 03129a08.d
Acq: 12 Mar 99 5:11 pm

Tgt Ion:150 Resp: 74759

Ion	Ratio	Lower	Upper
150	100		
152	68.3	52.2	78.3
115	44.0	37.8	56.7
0	0.0	0.0	0.0

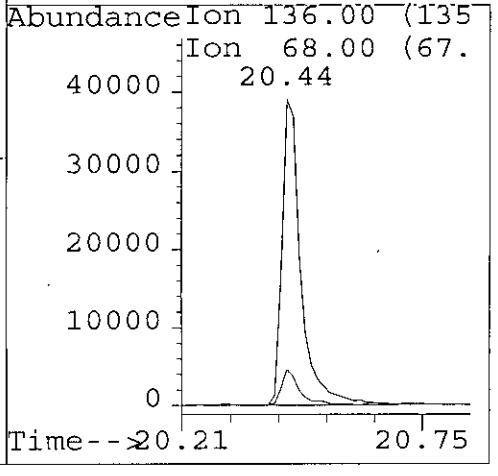


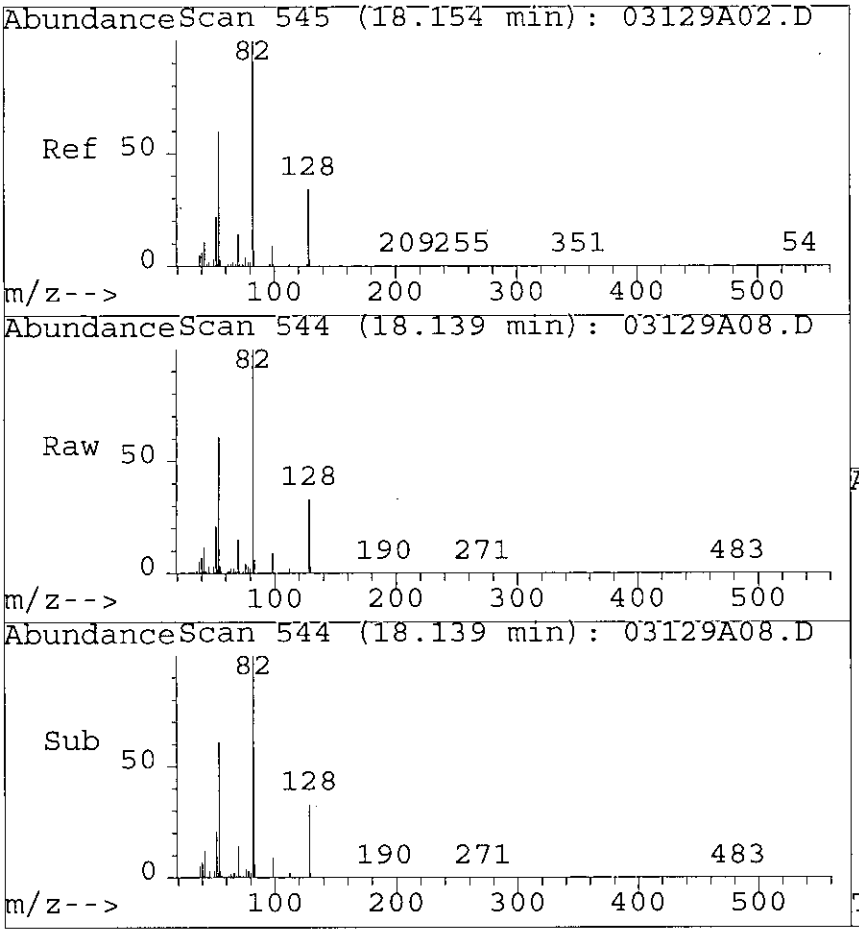


#19
NAPHTHALENE-D8
Concen: 40.00 ug/ml
RT: 20.44 min Scan# 709
Delta R.T. -0.02 min
Lab File: 03129a08.d
Acq: 12 Mar 99 5:11 pm

Tgt Ion:136 Resp: 118411

Ion	Ratio	Lower	Upper
136	100		
68	11.8	6.0	8.9#
0	0.0	0.0	0.0
0	0.0	0.0	0.0

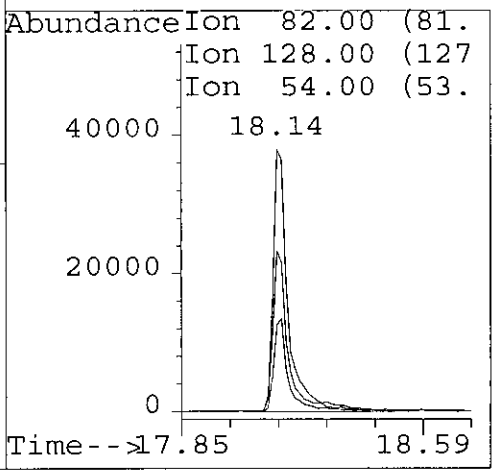


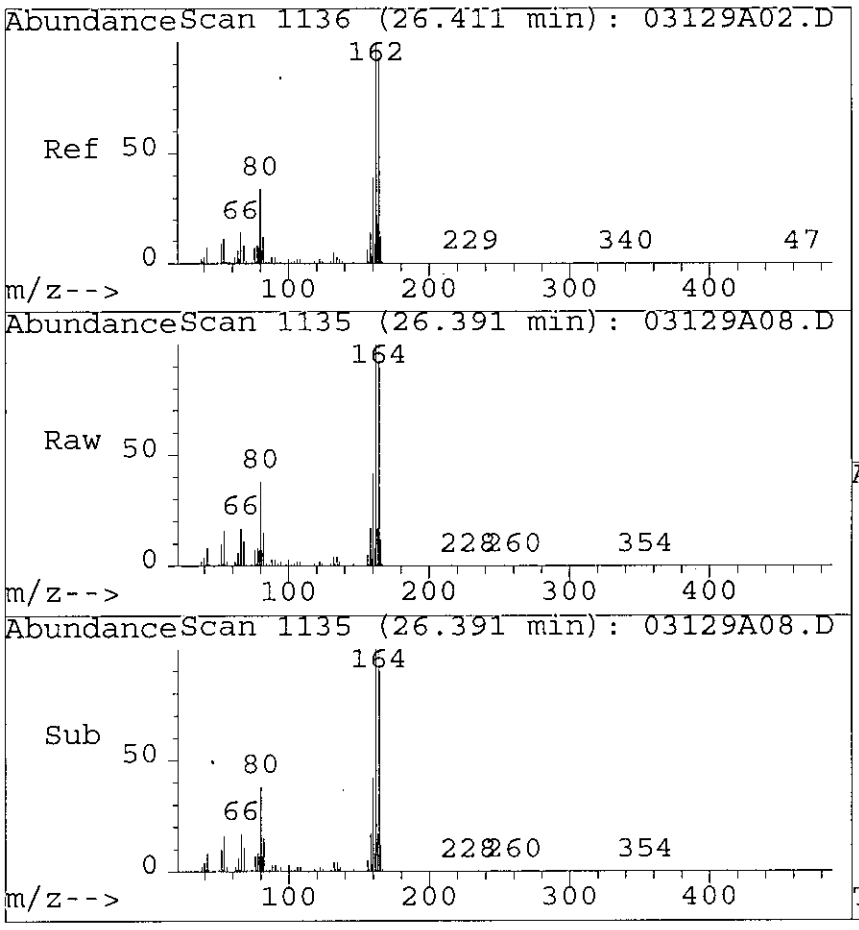


#20
NITROBENZENE-D5
Concen: 72.39 ug/ml
RT: 18.14 min Scan# 544
Delta R.T. -0.01 min
Lab File: 03129a08.d
Acq: 12 Mar 99 5:11 pm

Tgt Ion:82 Resp: 126463

Ion	Ratio	Lower	Upper
82	100		
128	33.2	34.4	51.5#
54	61.3	42.9	64.4
0	0.0	0.0	0.0

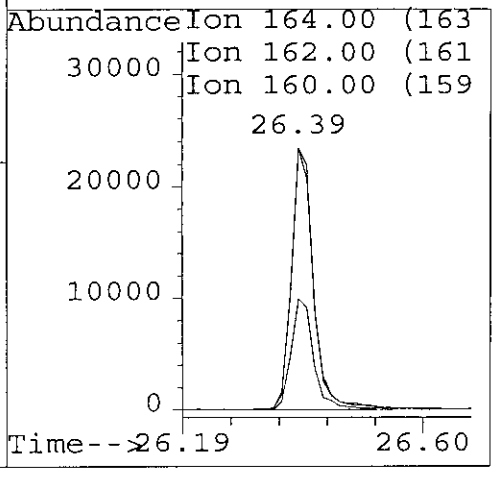


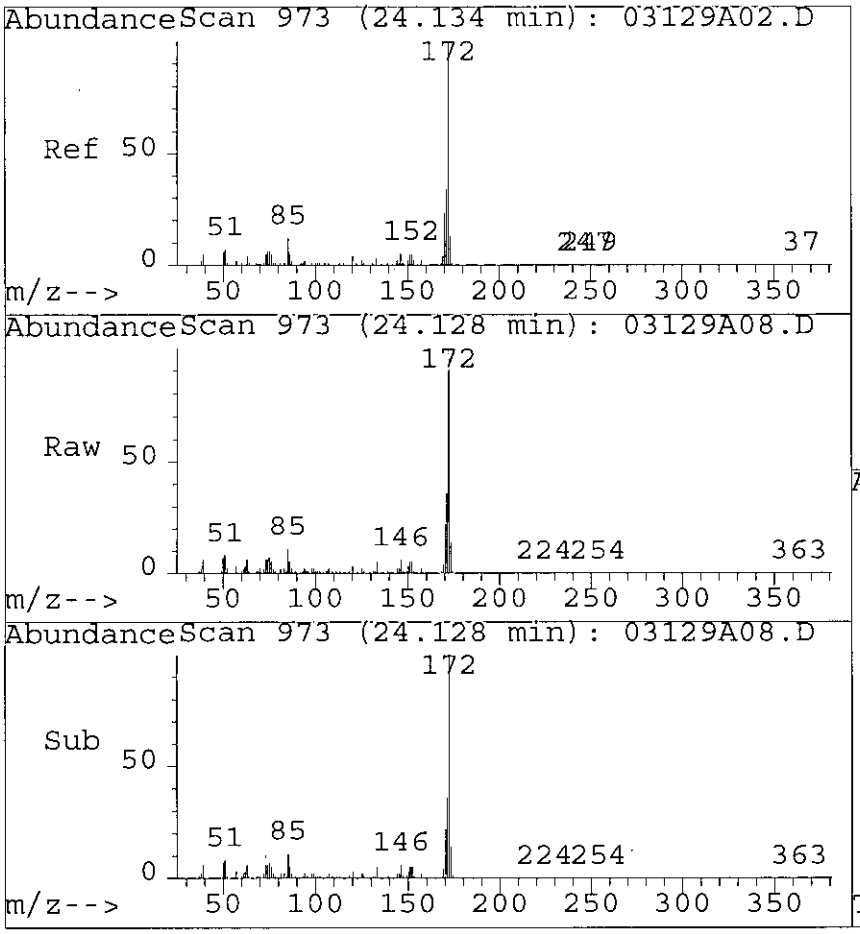


#34
ACENAPHTHENE-D10
Concen: 40.00 ug/ml
RT: 26.39 min Scan# 1135
Delta R.T. -0.02 min
Lab File: 03129a08.d
Acq: 12 Mar 99 5:11 pm

Tgt Ion:164 Resp: 59649

Ion	Ratio	Lower	Upper
164	100		
162	100.1	82.3	123.4
160	42.5	33.6	50.3
0	0.0	0.0	0.0

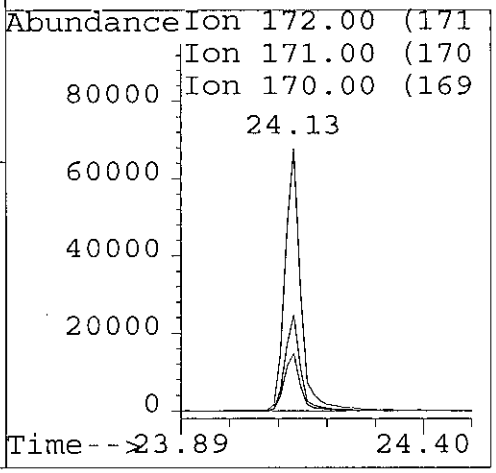


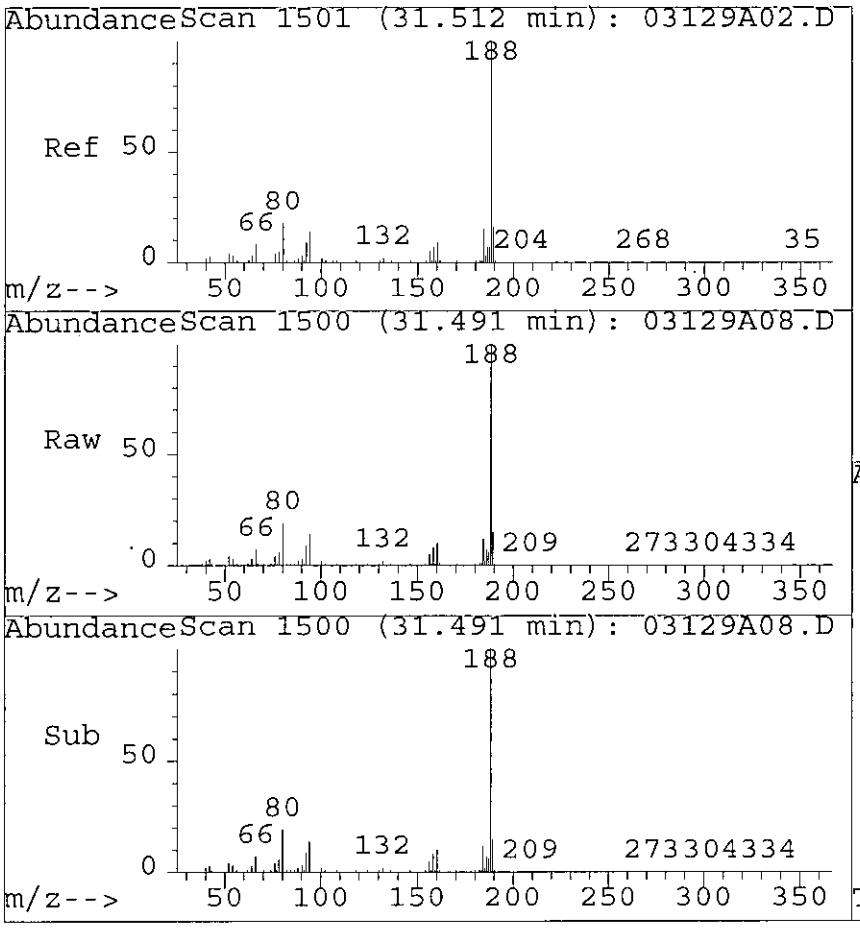


#38
FLUOROBIPHENYL
Concen: 77.83 ug/ml
RT: 24.13 min Scan# 973
Delta R.T. -0.01 min
Lab File: 03129a08.d
Acq: 12 Mar 99 5:11 pm

Tgt Ion:172 Resp: 155534

Ion	Ratio	Lower	Upper
172	100		
171	36.5	30.5	45.8
170	21.8	18.4	27.5
0	0.0	0.0	0.0

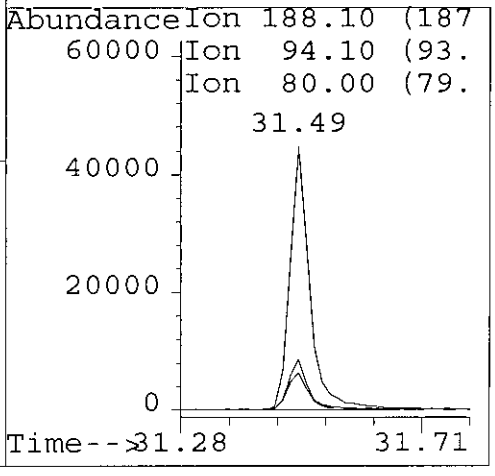


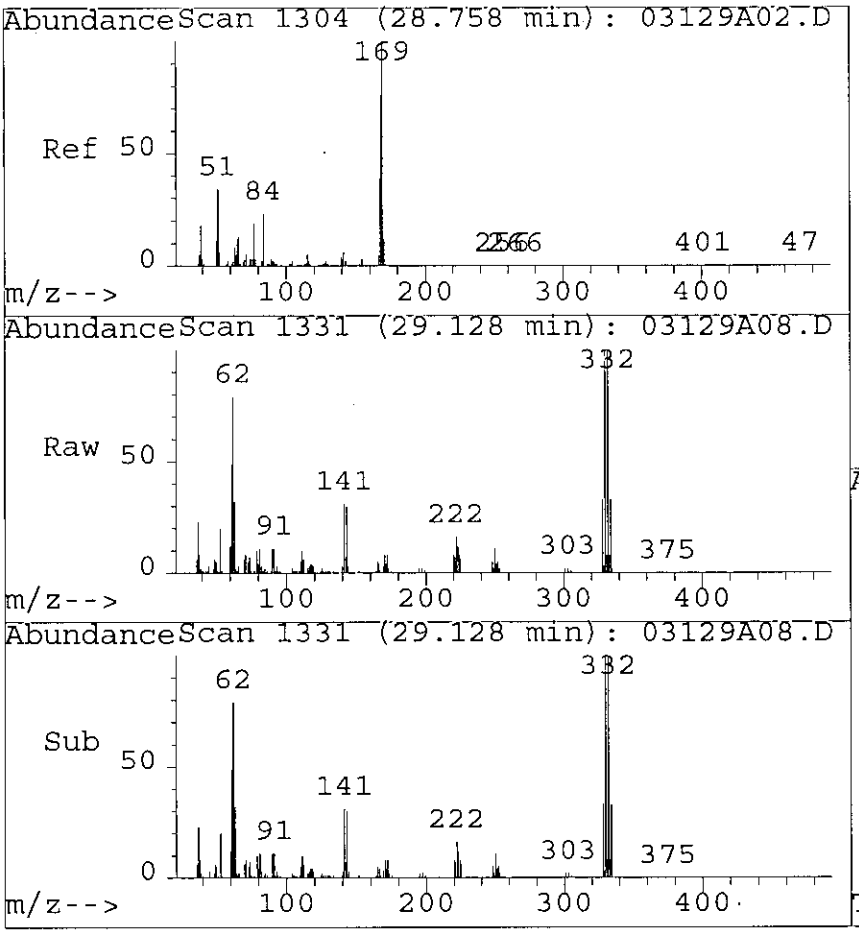


#54
PHENANTHRENE-D10
Concen: 40.00 ug/ml
RT: 31.49 min Scan# 1500
Delta R.T. -0.02 min
Lab File: 03129a08.d
Acq: 12 Mar 99 5:11 pm

Tgt Ion:188.1 Resp: 110851

Ion	Ratio	Lower	Upper
188	100		
94	13.9	11.6	17.3
80	19.2	13.7	20.5
0	0.0	0.0	0.0

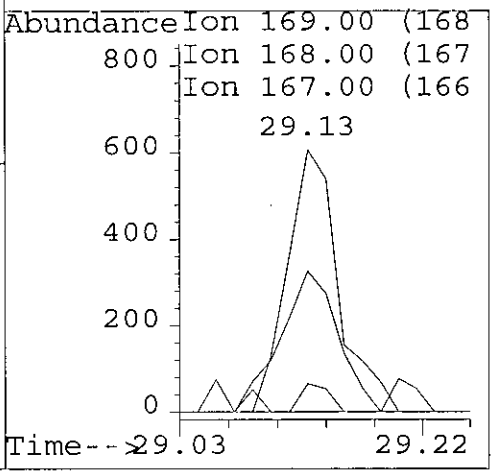


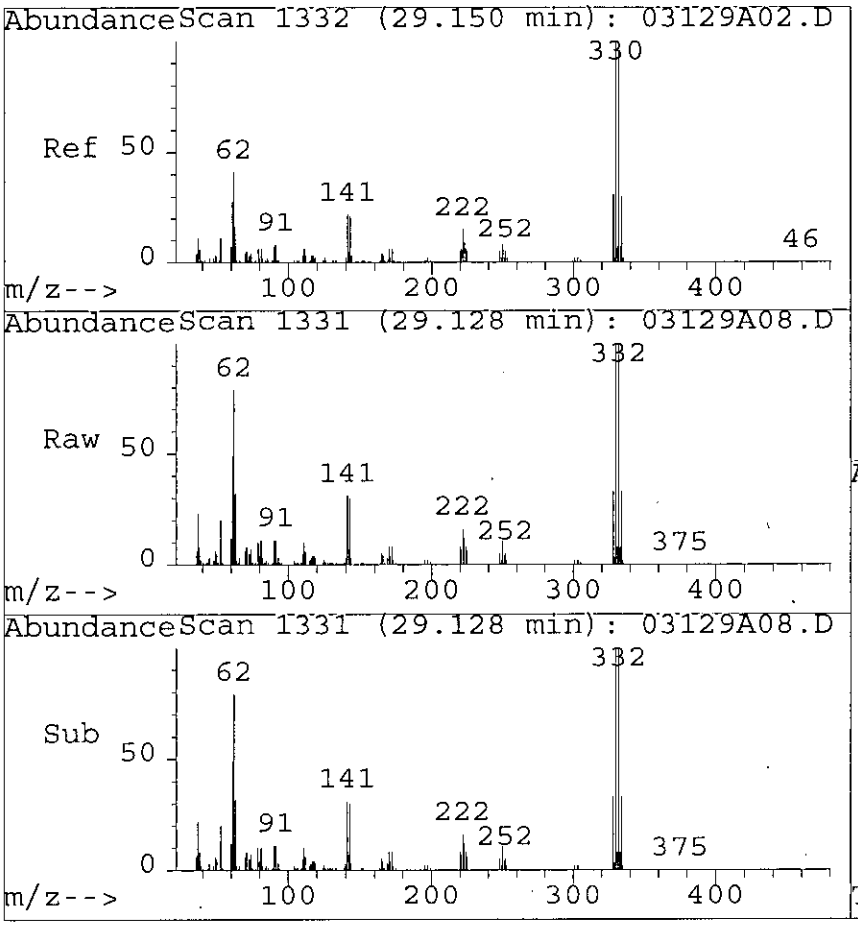


#56
N-NITROSODIPHENYLAMINE
Concen: 1.30 ug/ml
RT: 29.13 min Scan# 1331
Delta R.T. 0.37 min
Lab File: 03129a08.d
Acq: 12 Mar 99 5:11 pm

Tgt Ion:169 Resp: 1668

Ion	Ratio	Lower	Upper
169	100		
168	10.7	60.5	90.7#
167	53.9	31.4	47.1#
0	0.0	0.0	0.0

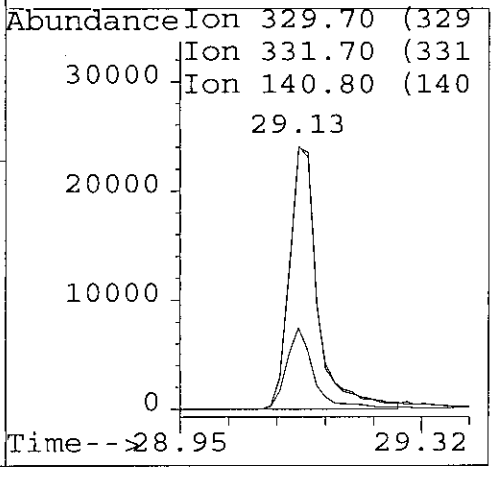


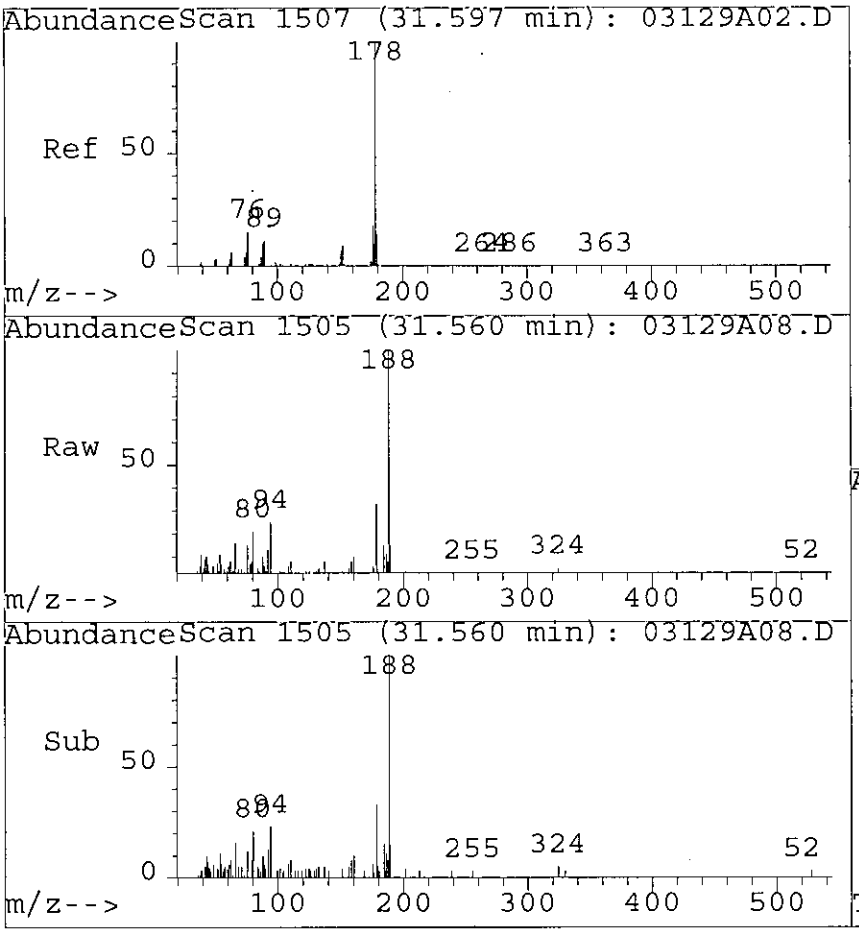


#58
2,4,6-TRIBROMOPHENOL
Concen: 164.26 ug/ml
RT: 29.13 min Scan# 1331
Delta R.T. -0.02 min
Lab File: 03129a08.d
Acq: 12 Mar 99 5:11 pm

Tgt Ion:329.7 Resp: 72840

Ion	Ratio	Lower	Upper
330	100		
332	100.4	69.7	104.5
141	31.3	30.9	46.4
0	0.0	0.0	0.0

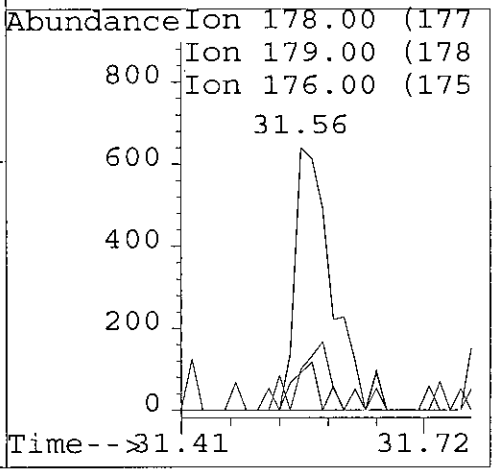


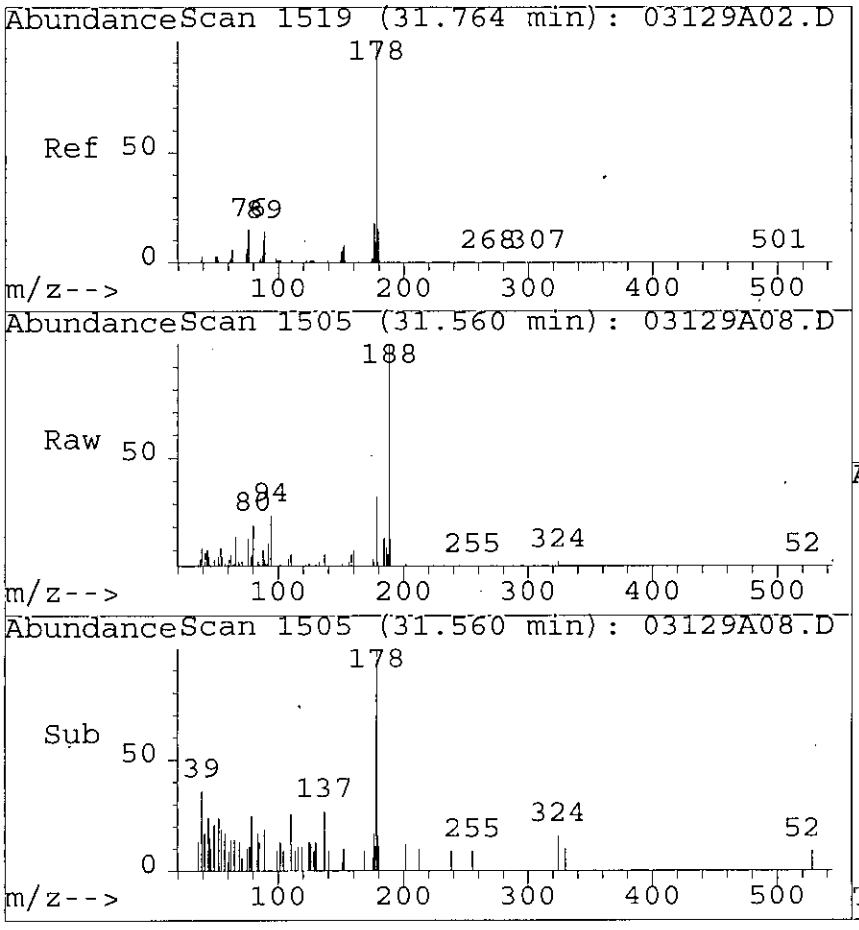


#65
PHENANTHRENE
Concen: 0.75 ug/ml
RT: 31.56 min Scan# 1505
Delta R.T. -0.04 min
Lab File: 03129a08.d
Acq: 12 Mar 99 5:11 pm

Tgt Ion:178 Resp: 2181

Ion	Ratio	Lower	Upper
178	100		
179	14.2	11.5	17.2
176	15.8	15.3	23.0
0	0.0	0.0	0.0

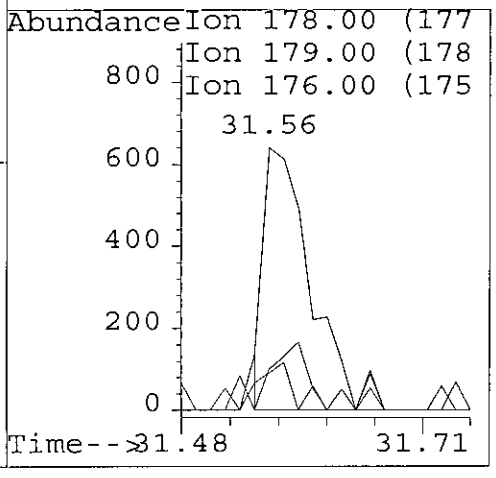


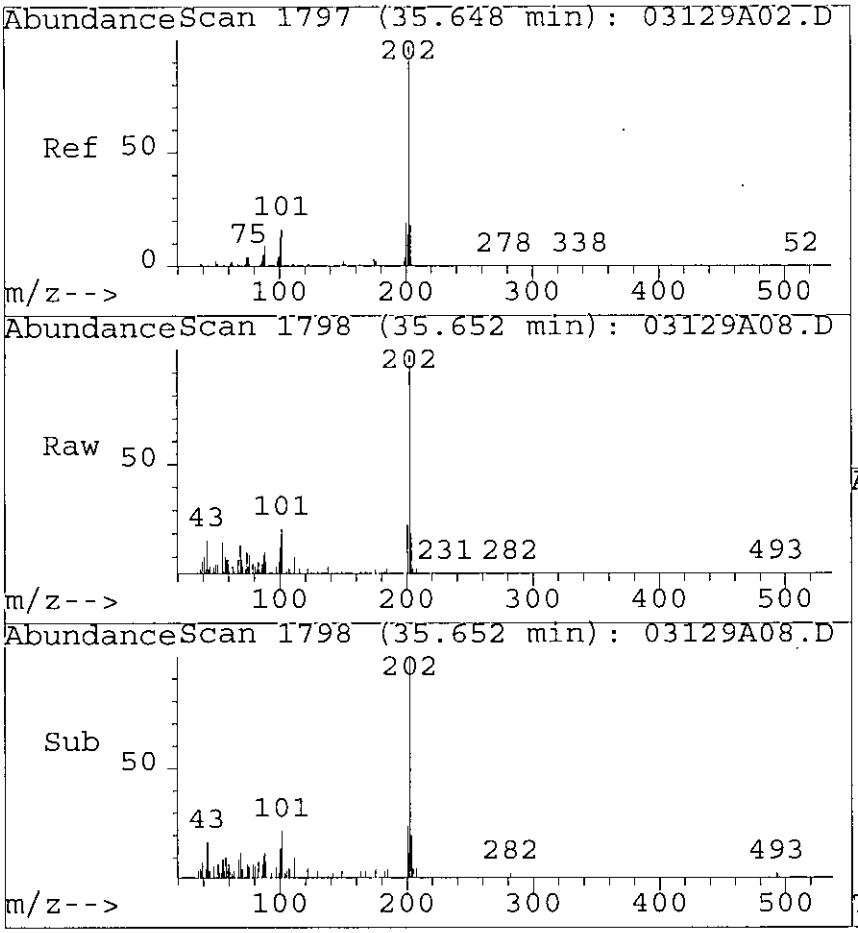


#66
ANTHRACENE
Concen: 0.71 ug/ml
RT: 31.56 min Scan# 1505
Delta R.T. -0.20 min
Lab File: 03129a08.d
Acq: 12 Mar 99 5:11 pm

Tgt Ion:178 Resp: 2018

Ion	Ratio	Lower	Upper
178	100		
179	14.2	12.3	18.4
176	15.8	14.6	21.9
0	0.0	0.0	0.0

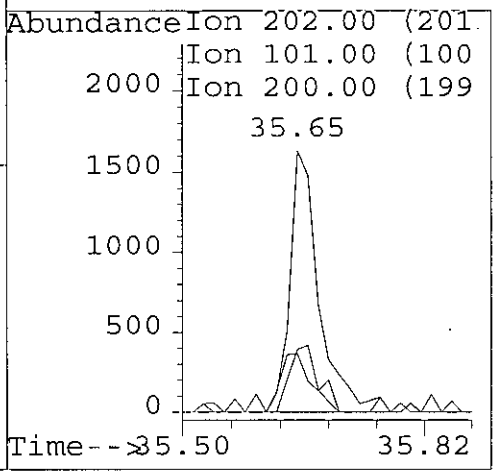


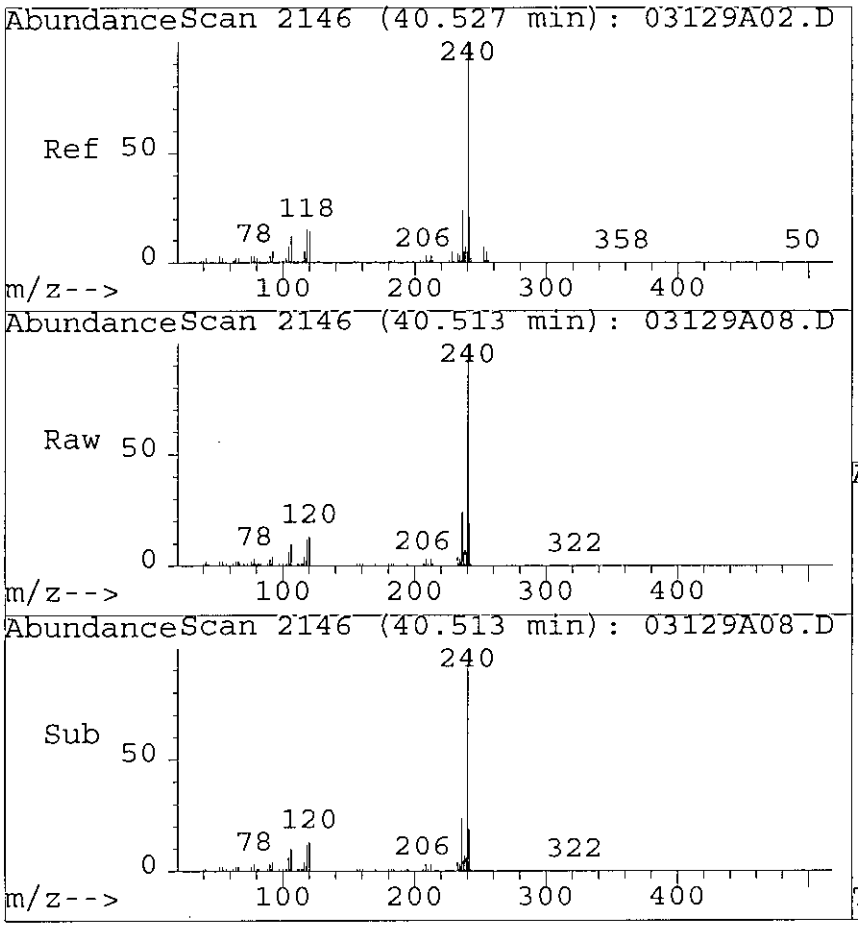


#73
FLUORANTHENE
Concen: 1.44 ug/ml
RT: 35.65 min Scan# 1798
Delta R.T. 0.00 min
Lab File: 03129a08.d
Acq: 12 Mar 99 5:11 pm

Tgt Ion:202 Resp: 4484

Ion	Ratio	Lower	Upper
202	100		
101	22.3	15.4	23.1
200	24.1	16.2	24.3
0	0.0	0.0	0.0

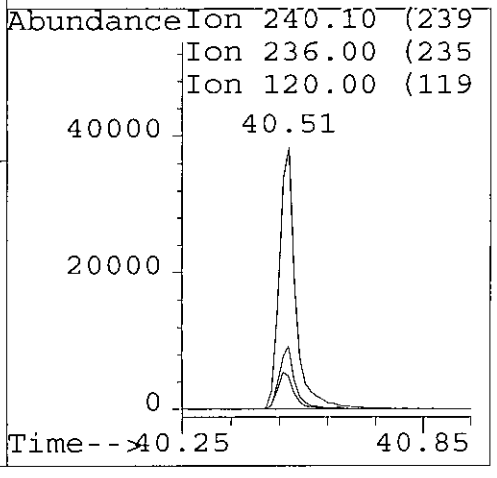


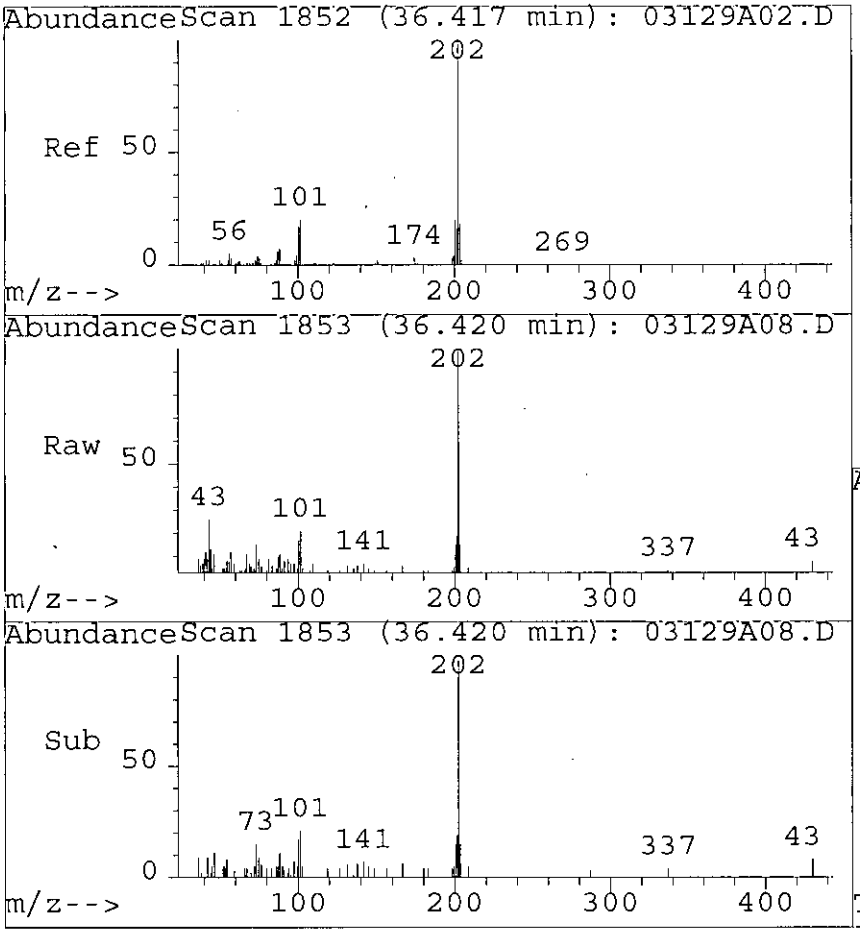


#74
CHRYSENE-D12
Concen: 40.00 ug/ml
RT: 40.51 min Scan# 2146
Delta R.T. -0.01 min
Lab File: 03129a08.d
Acq: 12 Mar 99 5:11 pm

Tgt Ion:240.1 Resp: 110594

Ion	Ratio	Lower	Upper
240	100		
236	24.3	20.6	30.9
120	12.8	17.5	26.2#
0	0.0	0.0	0.0

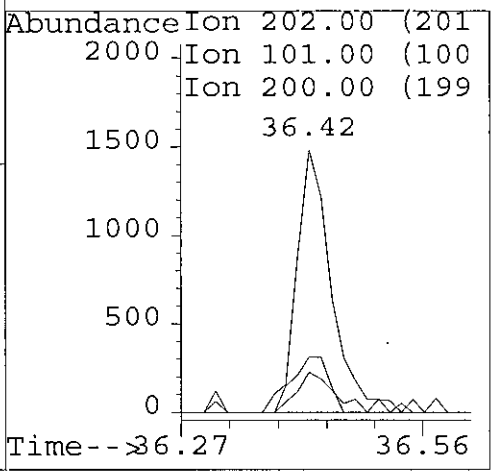


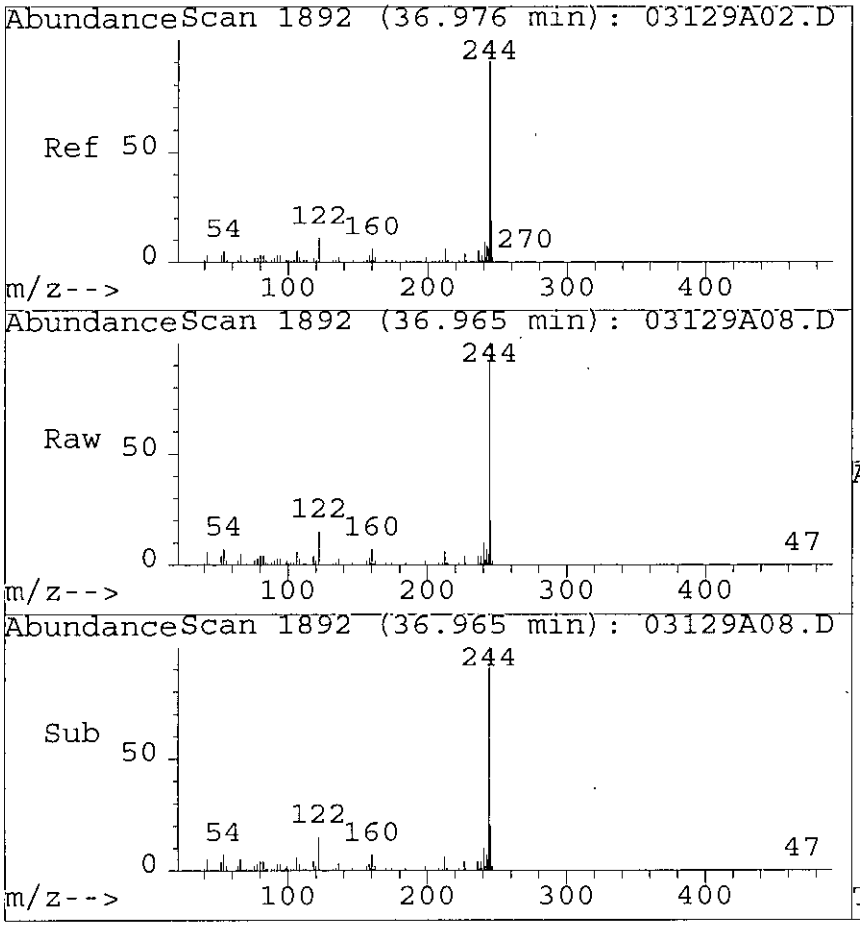


#75
PYRENE
Concen: 1.29 ug/ml
RT: 36.42 min Scan# 1853
Delta R.T. 0.00 min
Lab File: 03129a08.d
Acq: 12 Mar 99 5:11 pm

Tgt Ion:202 Resp: 4275

Ion	Ratio	Lower	Upper
202	100		
101	21.1	18.5	27.8
200	15.2	16.4	24.5#
0	0.0	0.0	0.0

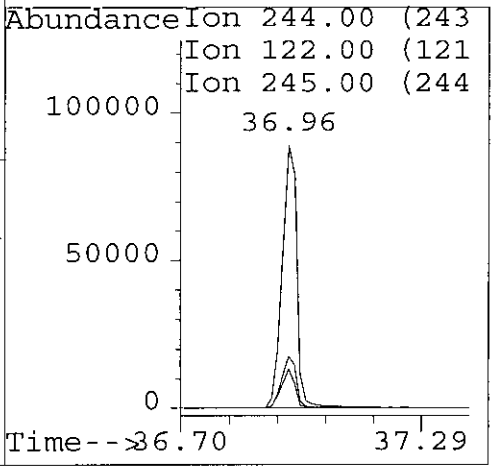


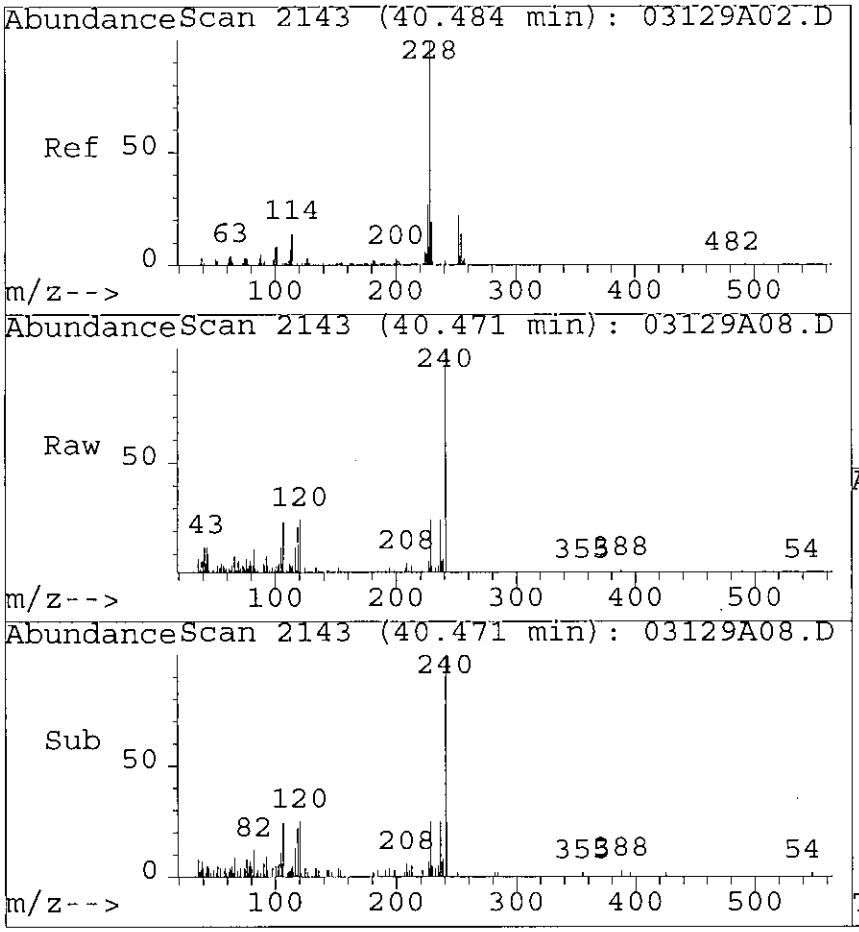


#78
P-TERPHENYL-D14
Concen: 81.88 ug/ml
RT: 36.96 min Scan# 1892
Delta R.T. -0.01 min
Lab File: 03129a08.d
Acq: 12 Mar 99 5:11 pm

Tgt Ion:244 Resp: 224175

Ion	Ratio	Lower	Upper
244	100		
122	14.9	15.3	23.0#
245	19.8	15.6	23.3
0	0.0	0.0	0.0

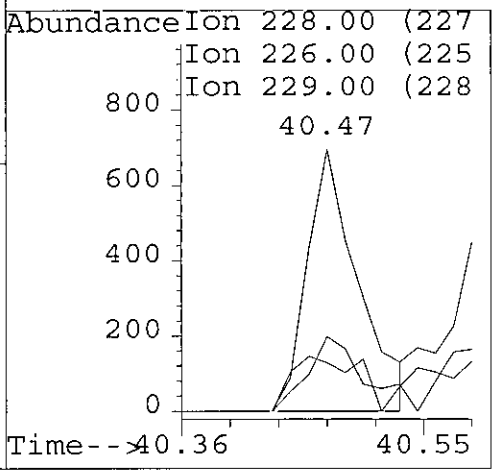


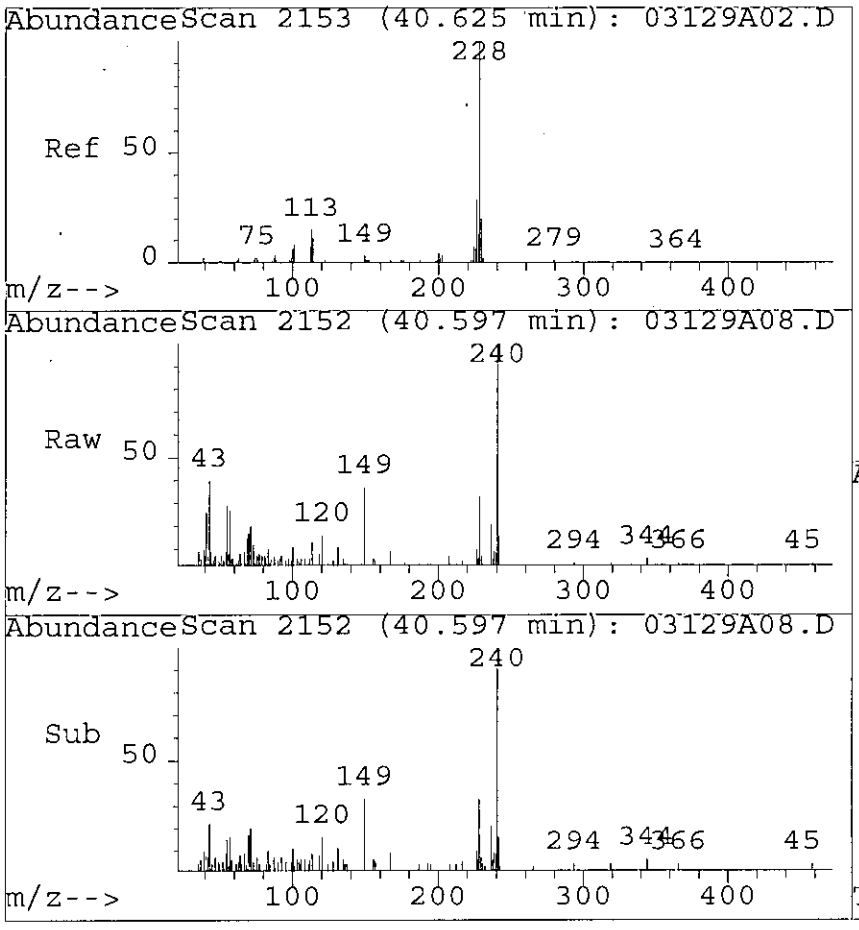


#89
BENZ(A)ANTHRACENE
Concen: 0.66 ug/ml
RT: 40.47 min Scan# 2143
Delta R.T. -0.01 min
Lab File: 03129a08.d
Acq: 12 Mar 99 5:11 pm

Tgt Ion:228 Resp: 1899

Ion	Ratio	Lower	Upper
228	100		
226	28.4	22.6	33.9
229	18.5	16.8	25.1
0	0.0	0.0	0.0

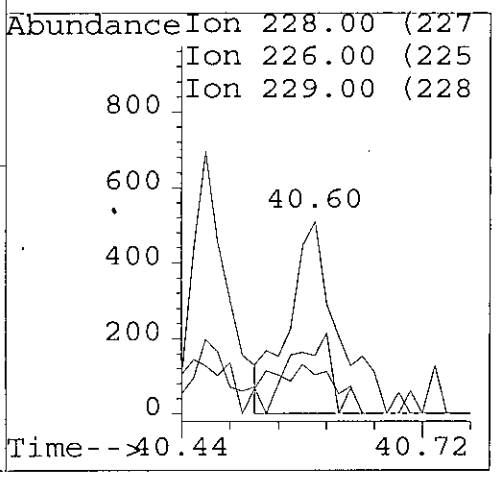


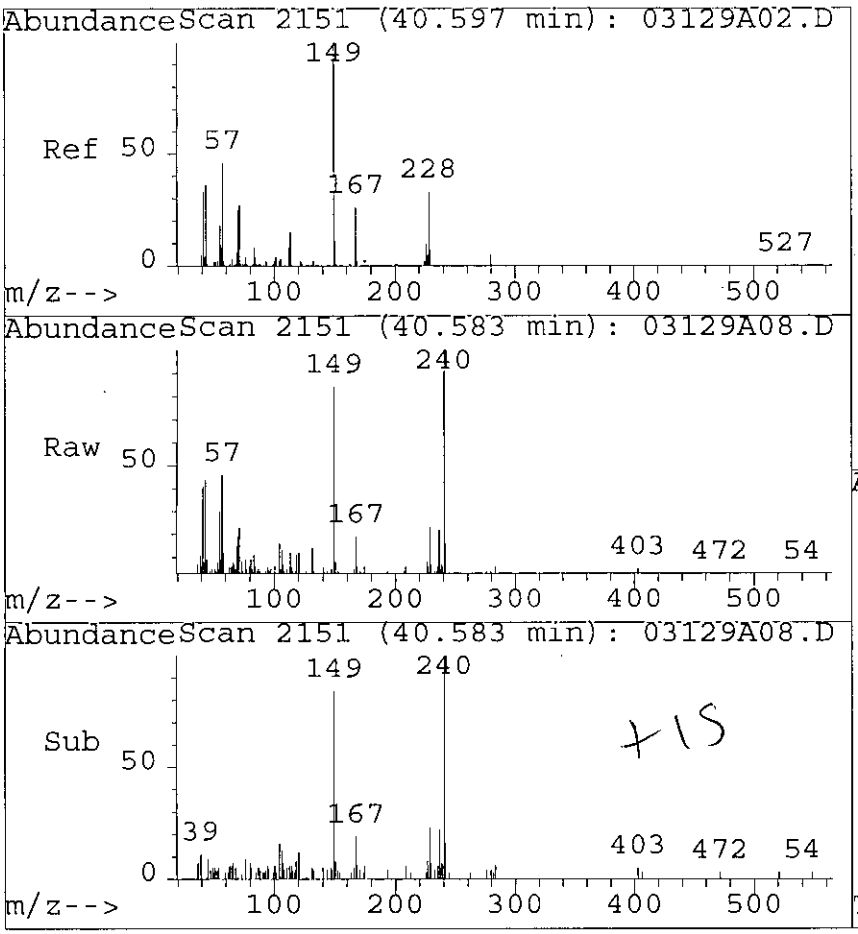


#90
CHRYSENE
Concen: 0.74 ug/ml
RT: 40.60 min Scan# 2152
Delta R.T. -0.03 min
Lab File: 03129a08.d
Acq: 12 Mar 99 5:11 pm

Tgt Ion:228 Resp: 2016

Ion	Ratio	Lower	Upper
228	100		
226	30.6	22.1	33.1
229	20.4	16.2	24.3
0	0.0	0.0	0.0

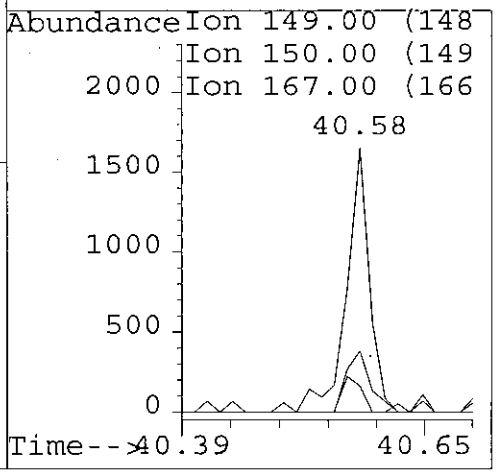


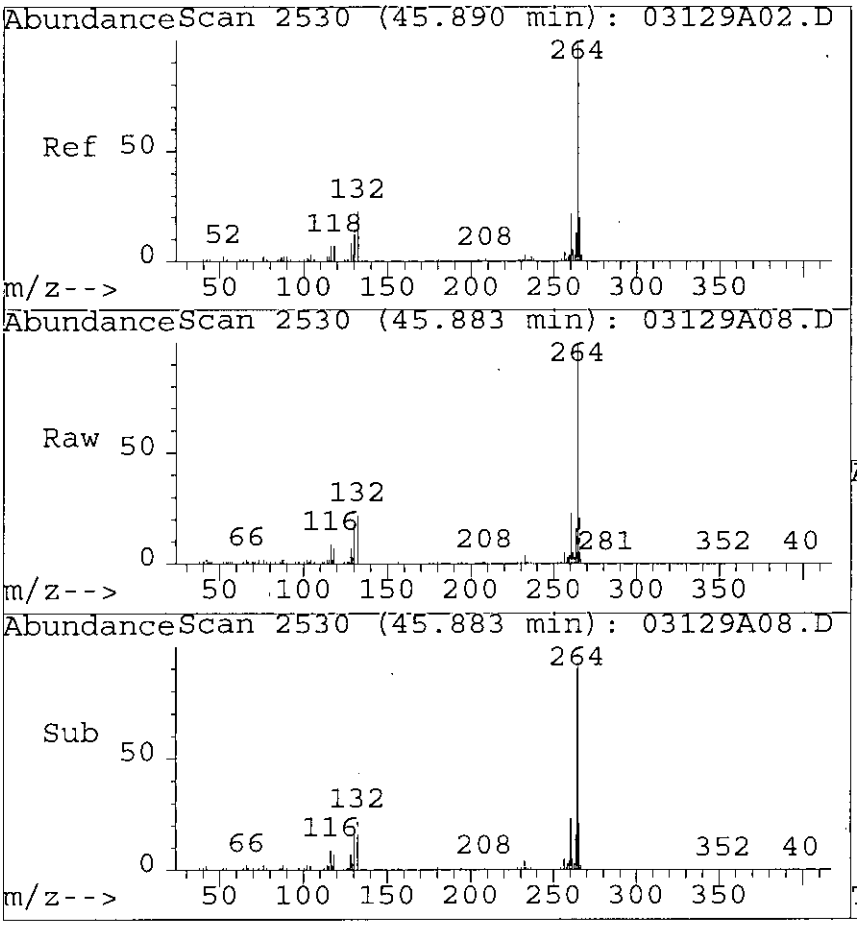


#91
BIS(2-ETHYLHEXYL)PHTHALATE
Concen: 1.11 ug/ml
RT: 40.58 min Scan# 2151
Delta R.T. -0.01 min
Lab File: 03129a08.d
Acq: 12 Mar 99 5:11 pm

Tgt Ion:149 Resp: 2964

Ion	Ratio	Lower	Upper
149	100		
150	10.0	9.5	14.2
167	23.1	20.5	30.7
0	0.0	0.0	0.0

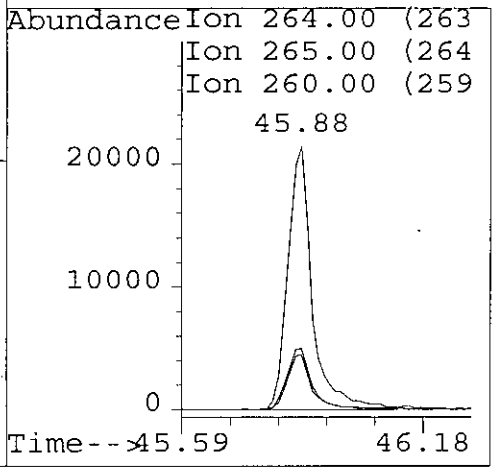


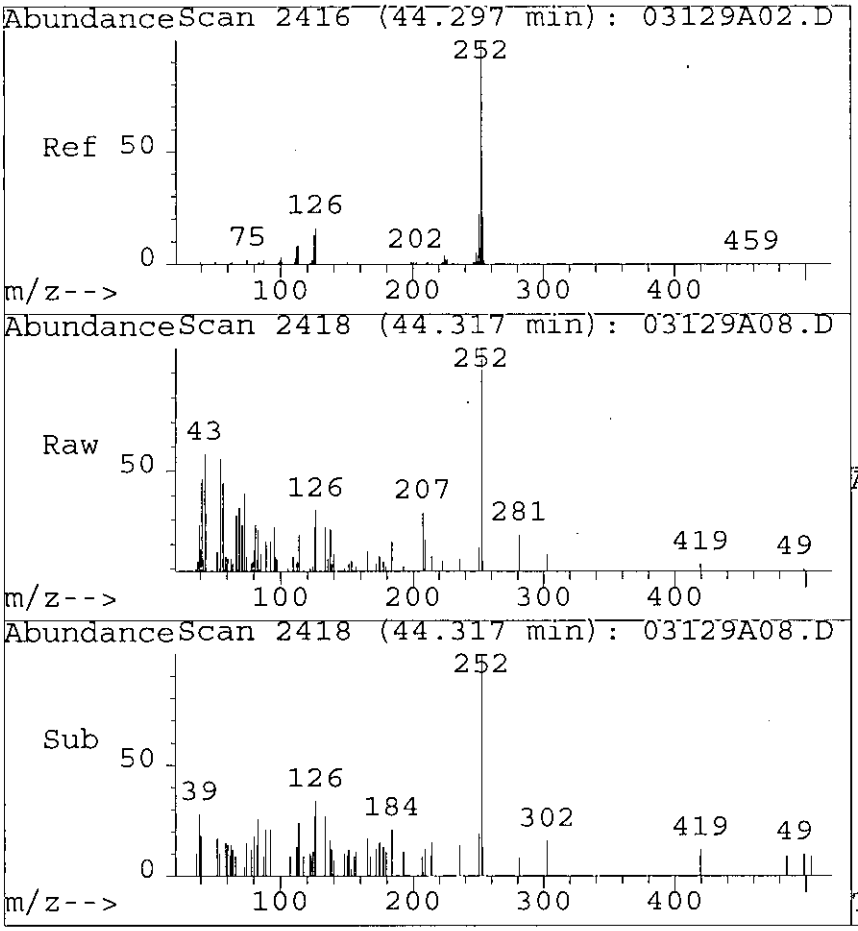


#92
PERYLENE-D12
Concen: 40.00 ug/ml
RT: 45.88 min Scan# 2530
Delta R.T. -0.01 min
Lab File: 03129a08.d
Acq: 12 Mar 99 5:11 pm

Tgt Ion:264 Resp: 89920

Ion	Ratio	Lower	Upper
264	100		
265	21.0	17.1	25.6
260	23.5	19.3	28.9
0	0.0	0.0	0.0

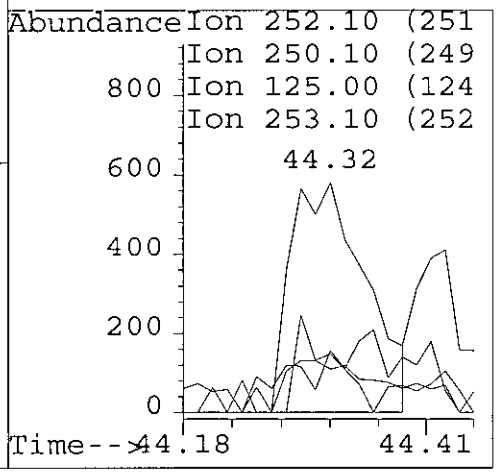


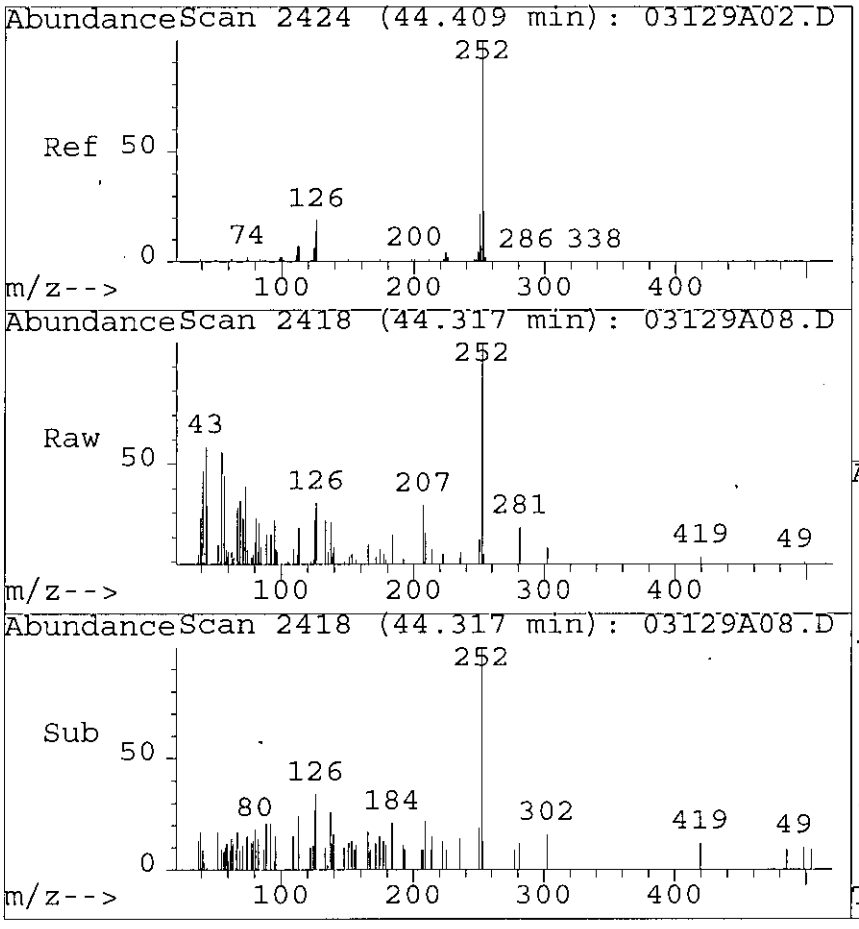


#94
BENZO(B)FLUORANTHENE
Concen: 0.99 ug/ml
RT: 44.32 min Scan# 2418
Delta R.T. 0.02 min
Lab File: 03129a08.d
Acq: 12 Mar 99 5:11 pm

Tgt Ion:252.1 Resp: 2927

Ion	Ratio	Lower	Upper
252	100		
250	18.9	20.5	30.8#
125	27.0	18.1	27.2
253	25.6	17.2	25.7

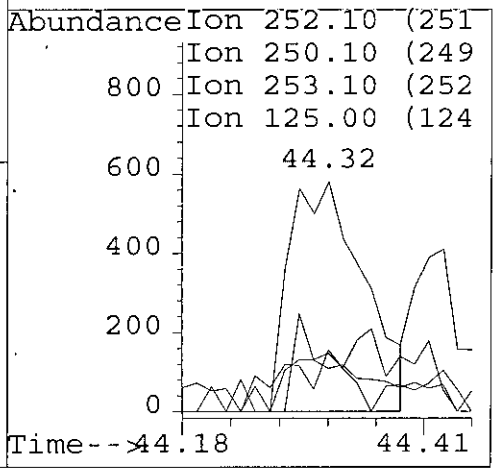


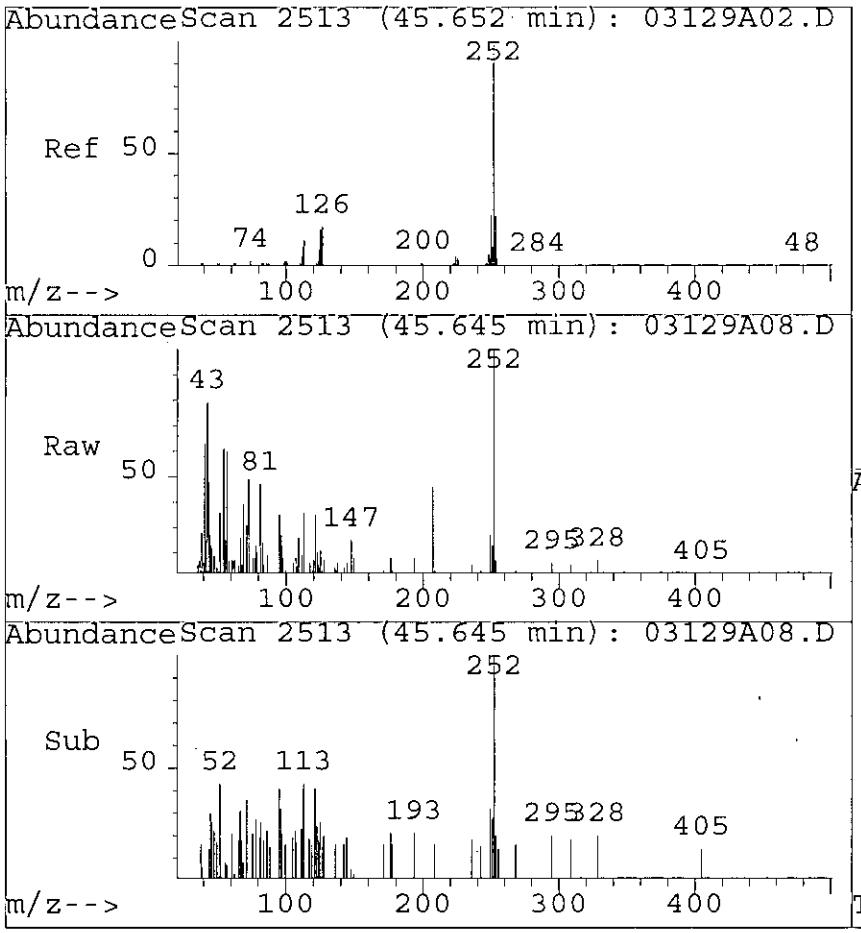


#95
BENZO(K)FLUORANTHENE
Concen: 0.94 ug/ml
RT: 44.32 min Scan# 2418
Delta R.T. -0.09 min
Lab File: 03129a08.d
Acq: 12 Mar 99 5:11 pm

Tgt Ion:252.1 Resp: 2927

Ion	Ratio	Lower	Upper
252	100		
250	18.9	18.5	27.7
253	25.6	17.2	25.7
125	27.0	18.2	27.3

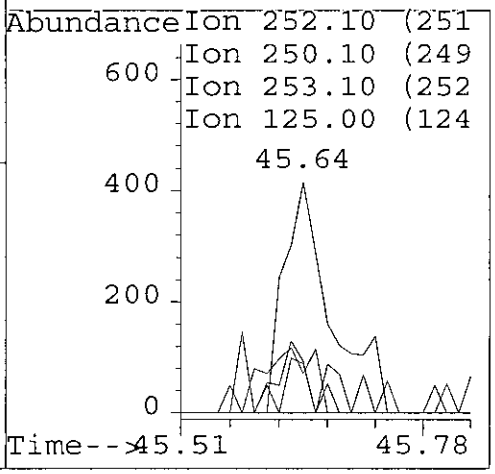




#96
BENZO(A)PYRENE
Concen: 0.58 ug/ml
RT: 45.64 min Scan# 2513
Delta R.T. -0.01 min
Lab File: 03129a08.d
Acq: 12 Mar 99 5:11 pm

Tgt Ion:252.1 Resp: 1578

Ion	Ratio	Lower	Upper
252	100		
250	22.7	18.7	28.0
253	17.1	15.9	23.8
125	21.4	19.6	29.3



TIC: 03129A08.D

67828

Peak#	Ret Time	Type	Width	Area	Start Time	End Time
1	11.101	rVB	0.112	11943	11.059	11.171
2	11.534	rBV	0.349	4355933 TIC	11.353	11.702
3	12.456	rBV	0.378	726376-S	12.386	12.764
4	13.434	rVB	0.056	14021	13.406	13.461
5	14.076	rBV	0.112	10093	13.992	14.104
6	14.592	rBV	0.098	11136	14.537	14.634
7	15.081	rBV	0.084	11042	15.011	15.095
8	15.304	rBV	0.237	819400-S	15.248	15.486
9	15.653	rVB	0.266	855587-S	15.583	15.849
10	16.296	rVB	0.182	253345-IS	16.226	16.408
11	16.785	rBV	0.210	371150-S	16.701	16.910
12	17.162	rBV	0.126	10543	17.120	17.246
13	17.511	rVB	0.195	22304	17.441	17.637
14	17.706	rBV	0.098	10244	17.637	17.734
15	18.139	rBV	0.307	386920-S	18.069	18.376
16	19.716	rBV	0.140	12320	19.660	19.800
17	20.442	rBV	0.252	309427-IS	20.373	20.624
18	20.945	rVB	0.140	10048	20.889	21.029
19	21.392	rBV	0.139	10457	21.295	21.434
20	23.235	rBV	0.153	15356	23.137	23.291
21	23.640	rVB	0.140	10112	23.570	23.710
22	23.779	rVB	0.181	16708	23.710	23.891
23	24.017	rBV	0.084	15196	23.975	24.059
24	24.128	rVB	0.294	550315-S	24.072	24.366
25	24.464	rVB	0.140	15105	24.436	24.575
26	25.441	rVB	0.126	21162	25.427	25.553
27	26.391	rBV	0.280	329520-IS	26.265	26.545
28	26.796	rBV	0.126	13208	26.754	26.880
29	27.089	rBV	0.084	10204	27.033	27.117
30	28.668	rVB	0.126	10141	28.583	28.709
31	29.128	rBV	0.322	649277-S	29.059	29.380
32	29.548	rBV	0.112	11019	29.520	29.632
33	29.674	rVB	0.140	14995	29.660	29.800
34	30.345	rVB	0.140	20148	30.275	30.415
35	30.946	rBV	0.112	11417	30.876	30.987
36	31.071	rBV	0.112	12760	31.029	31.141
37	31.239	rVV	0.098	19093	31.197	31.295
38	31.491	rBV	0.224	327082-IS	31.421	31.645
39	32.678	rBV	0.112	21748	32.622	32.733
40	32.817	rVV	0.126	87964 TIC	32.762	32.887
41	32.957	rVB	0.140	40458	32.887	33.027
42	33.222	rBV	0.084	11663	33.167	33.250
43	33.348	rVV	0.126	20944	33.292	33.418
44	33.460	rVB	0.251	60510 TIC	33.418	33.669
45	34.633	rBV	0.154	16246	34.577	34.730
46	35.303	rBV	0.098	12030	35.219	35.317
47	35.429	rVB	0.112	17544	35.401	35.512
48	35.666	rBV	0.126	23890-T	35.582	35.708
49	35.932	rBV	0.070	10345	35.904	35.973
50	36.965	rBV	0.168	667940-S	36.881	37.049
51	37.412	rBV	0.168	23938	37.328	37.496
52	37.803	rBV	0.153	14244	37.719	37.873
53	37.970	rVB	0.168	14642	37.887	38.054
54	38.263	rVB	0.098	10507	38.194	38.292
55	38.487	rBV	0.182	37966	38.431	38.613

56	38.711	rBV	0.126	28364	38.627	38.753
57	40.094	rBV	0.112	33628	40.051	40.163
58	40.513	rBV	0.308	378221~IS	40.415	40.723
59	40.905	rVB	0.112	15679	40.877	40.989
60	42.065	rVB	0.140	13664	42.023	42.163
61	42.275	rVB	0.154	41830	42.219	42.373
62	43.436	rBV	0.140	43491	43.366	43.506
63	43.743	rBV	0.098	23096	43.659	43.757
64	44.037	rVB	0.154	24795	43.981	44.135
65	44.289	rBV	0.126	22896	44.219	44.345
66	44.555	rVB	0.182	20133	44.512	44.694
67	44.778	rBV	0.154	75444 TIC	44.694	44.848
68	45.505	rVB	0.168	29885	45.393	45.561
69	45.883 ✓	rBV	0.266	281808~IS	45.785	46.051
70	46.288	rBV	0.154	21869	46.219	46.372
71	47.113	rBV	0.168	19775	47.071	47.239
72	47.546	rBV	0.140	32135	47.476	47.616
73	48.049	rBV	0.210	89565 TIC	47.965	48.175
74	48.580	rBV	0.154	15927	48.496	48.650
75	49.083	rBV	0.112	14576	48.985	49.097
76	50.046	rVB	0.154	31227	49.962	50.116
77	51.400	rVB	0.196	21515	51.330	51.526
78	52.168	rBV	0.209	13702	52.043	52.252
79	52.671	rBV	0.112	10955	52.615	52.727
80	53.202	rVB	0.224	31252	53.062	53.286
81	53.719	rBV	0.126	10010	53.649	53.774
82	54.012	rBV	0.126	14217	53.956	54.081
83	54.640	rVB	0.126	11618	54.570	54.696
84	55.590	rVB	0.126	11323	55.548	55.674
85	56.120	rVB	0.154	13465	56.092	56.246
86	57.000	rVB	0.139	12944	56.888	57.028
87	57.153	rBV	0.238	45244	57.028	57.265
88	57.614	rBV	0.223	25386	57.503	57.726
89	57.810	rVB	0.126	10610	57.782	57.908
90	58.271	rBV	0.308	45427 TIC	58.117	58.425

Library Search Compound Report

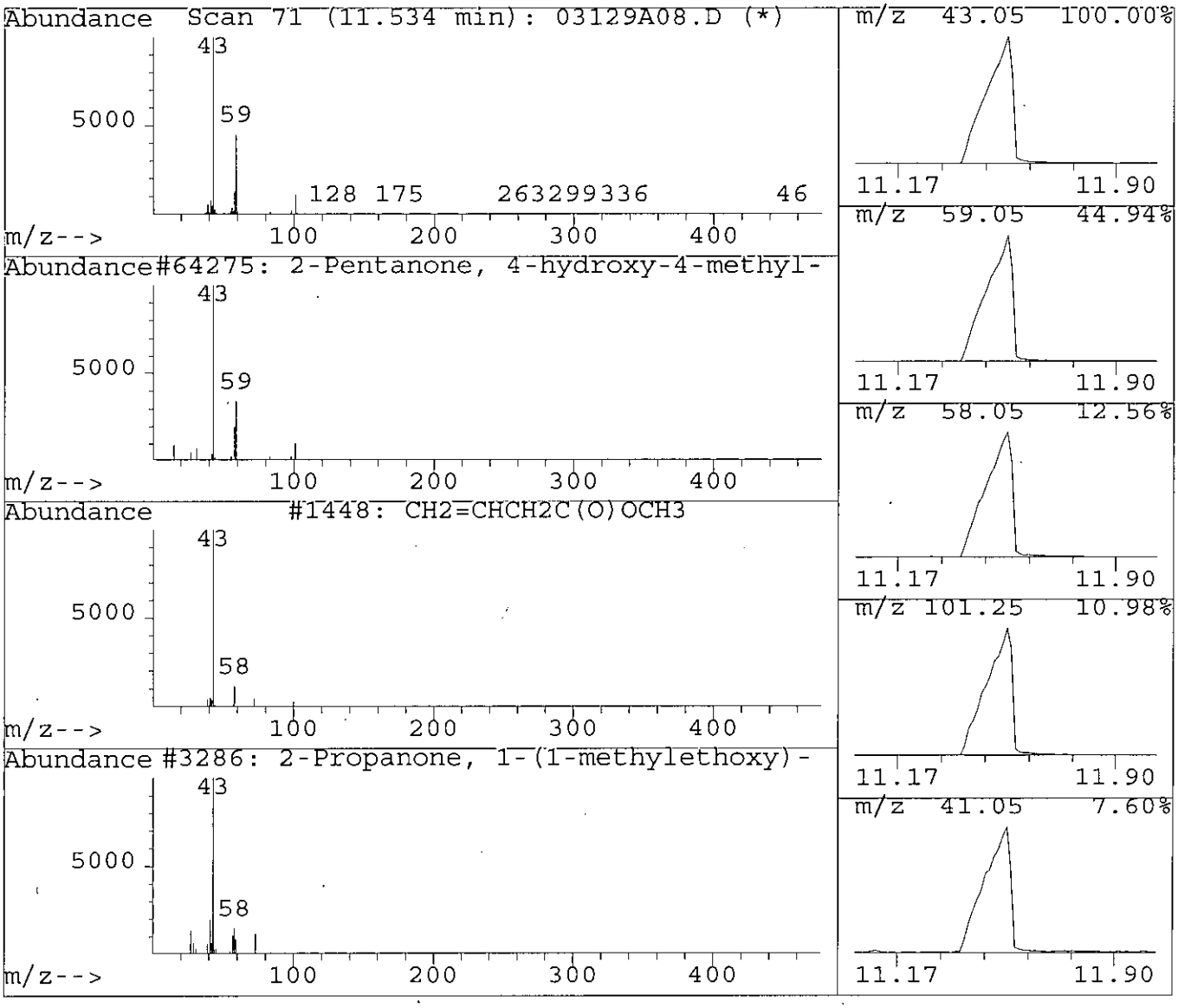
Data File : C:\HPCHEM\1\DATA\03129A08.D
Acq On : 12 Mar 99 5:11 pm
Sample : 67828
Misc : American Glue & Resin P#99187

Vial: 8
Operator: ESAT
Inst : 5988
Multiplr: 229.46

Method : C:\HPCHEM\1\METHODS\03129A01.M
Title : semivolatiles
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	R.T.
11.53	157812.54 ug/ml	4355933	1,4-DICHLOROBENZENE-D4	16.30

Hit# of 20	Tentative ID	Ref#	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	64275	000123-42-2	50
2	CH2=CHCH2C(O)OCH3	1448	003724-55-8	12
3	2-Propanone, 1-(1-methylethoxy)-	3286	042781-12-4	9
4	2,3-Butanedione, monooxime	1607	000057-71-6	7
5	Formamide, N,N-diethyl-	1629	000617-84-5	7



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\03129A08.D
Acq On : 12 Mar 99 5:11 pm
Sample : 67828
Misc : American Glue & Resin P#99187

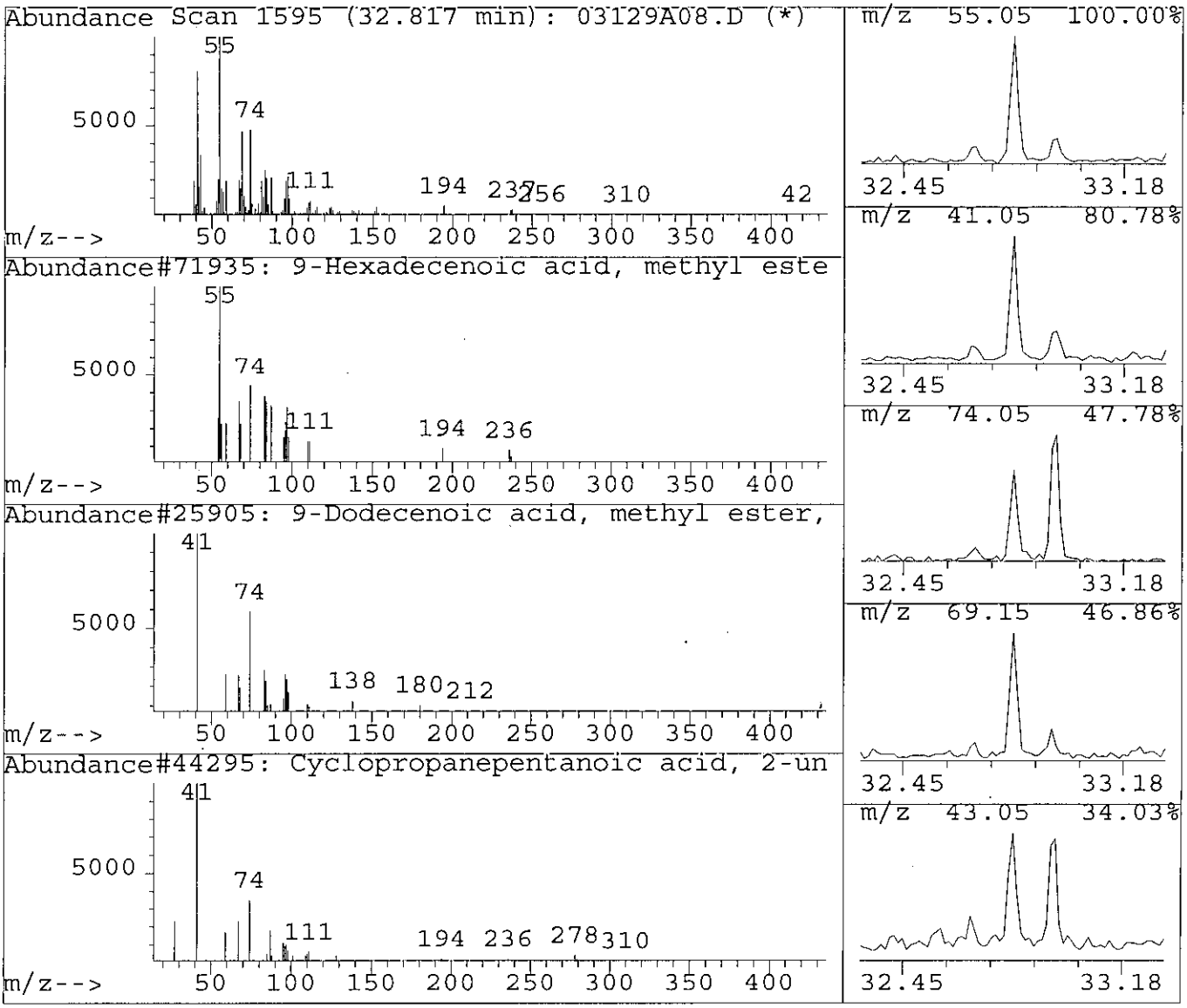
Vial: 8
Operator: ESAT
Inst : 5988
Multiplr: 229.46

Method : C:\HPCHEM\1\METHODS\03129A01.M
Title : semivolatiles
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	R.T.
32.82	2468.43 ug/ml	87964	PHENANTHRENE-D10	31.49

Hit# of 20	Tentative ID	Ref#	CAS#	Qual
1	9-Hexadecenoic acid, methyl ester,	71935	001120-25-8	87
2	9-Dodecenoic acid, methyl ester, (E	25905	055030-26-7	64
3	Cyclopropanepentanoic acid, 2-undec	44295	042199-20-2	52
4	9-Octadecenoic acid (Z)-, methyl es	42154	000112-62-9	43
5	Oxiraneundecanoic acid, 3-pentyl-,	44536	038520-31-9	38

UNK - carboxylic acid



Library Search Compound Report

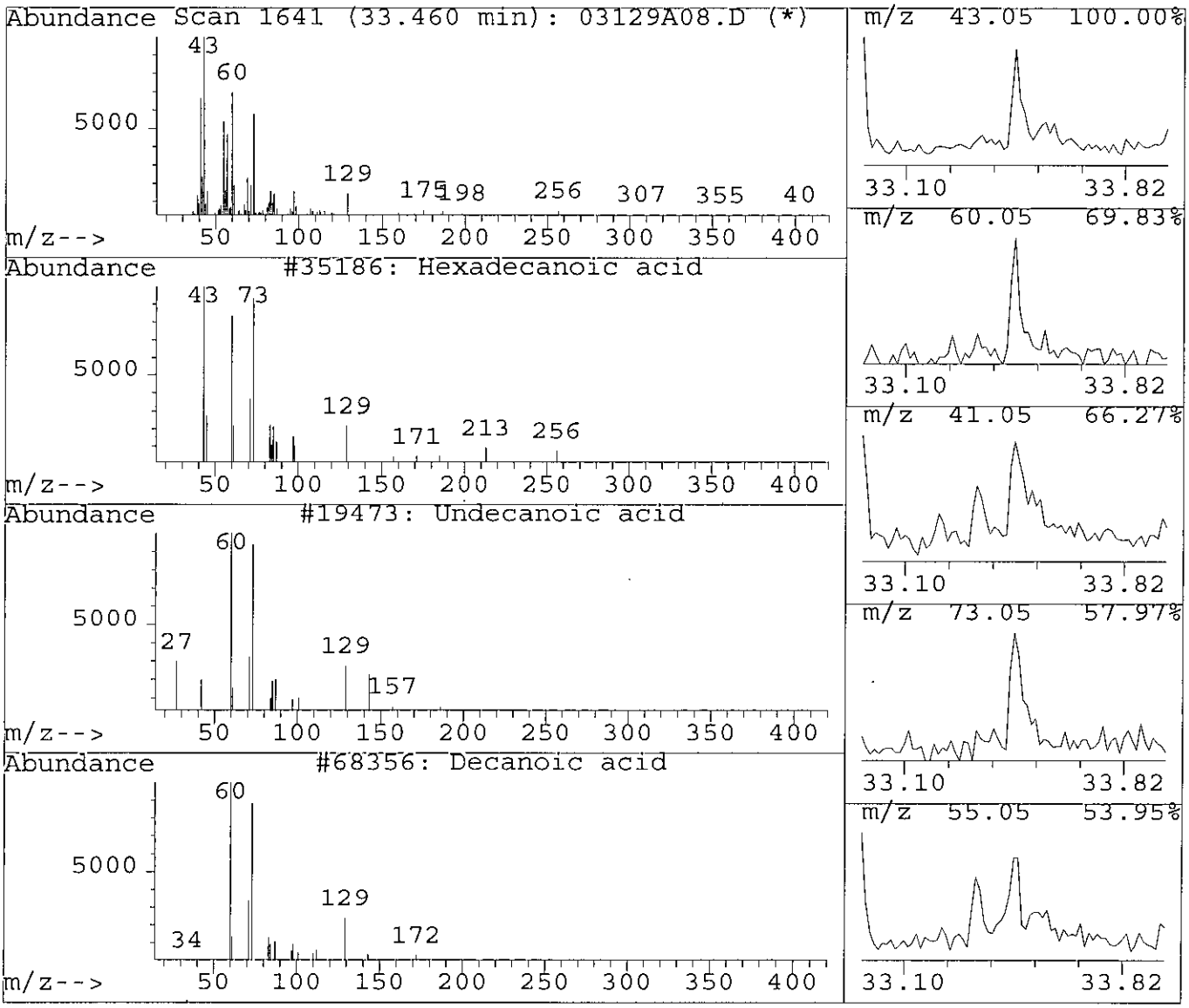
Data File : C:\HPCHEM\1\DATA\03129A08.D
Acq On : 12 Mar 99 5:11 pm
Sample : 67828
Misc : American Glue & Resin P#99187

Vial: 8
Operator: ESAT
Inst : 5988
Multiplr: 229.46

Method : C:\HPCHEM\1\METHODS\03129A01.M
Title : semivolatiles
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	R.T.
33.46	1698.02 ug/ml	60510	PHENANTHRENE-D10	31.49

Hit# of 20	Tentative ID	Ref#	CAS#	Qual
1	Hexadecanoic acid	35186	000057-10-3	70
2	Undecanoic acid	19473	000112-37-8	38
3	Decanoic acid	68356	000334-48-5	35
4	Butyraldehyde, semicarbazone	5203	013183-21-6	22
5	Dodecanamide, N,N-bis(2-hydroxyethy	40673	000120-40-1	22



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\03129A08.D
Acq On : 12 Mar 99 5:11 pm
Sample : 67828
Misc : American Glue & Resin P#99187

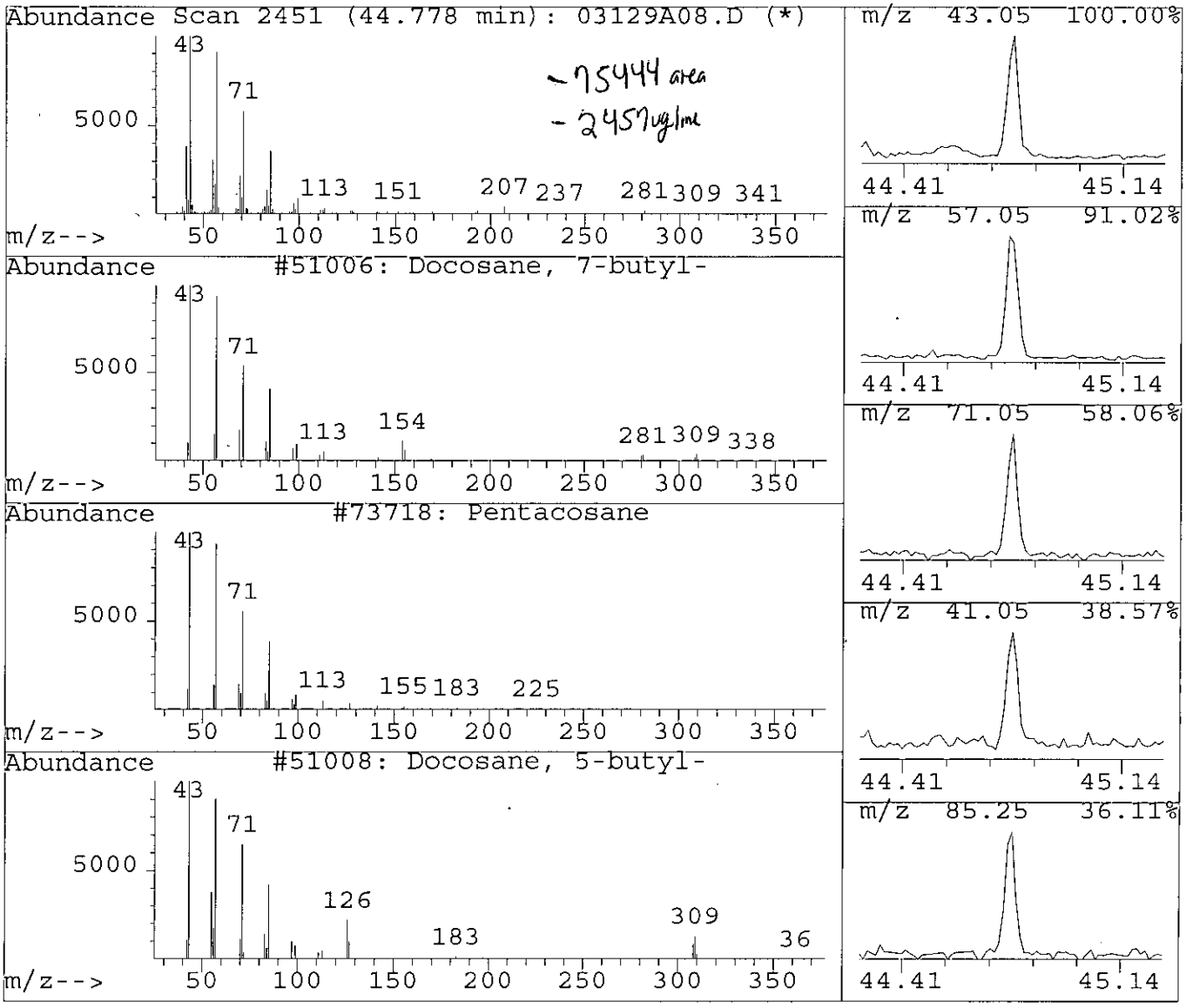
Vial: 8
Operator: ESAT
Inst : 5988
Multiplr: 229.46

Method : C:\HPCHEM\1\METHODS\03129A01.M
Title : semivolatiles
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	R.T.
44.78	2193.73 ug/ml	67354	PERYLENE-D12	45.88

Hit# of 20	Tentative ID	Ref#	CAS#	Qual
1	Docosane, 7-butyl-	51006	055282-15-0	80
2	Pentacosane	73718	000629-99-2	74
3	Docosane, 5-butyl-	51008	055282-16-1	74
4	Undecane, 2-methyl-	68257	007045-71-8	74
5	Decane, 3,6-dimethyl-	15348	017312-53-7	74

C28 HC



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\03129A08.D
Acq On : 12 Mar 99 5:11 pm
Sample : 67828
Misc : American Glue & Resin P#99187

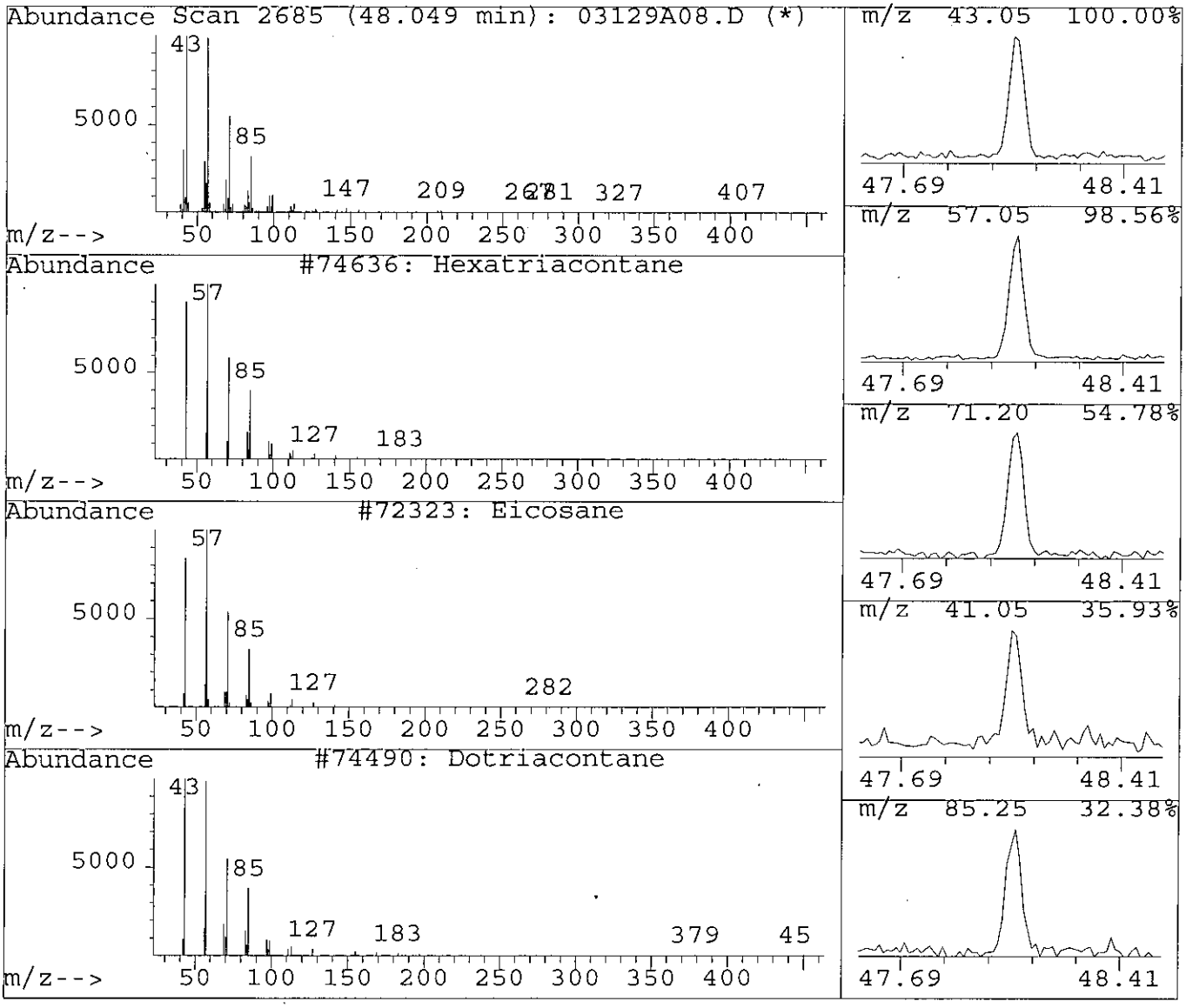
Vial: 8
Operator: ESAT
Inst : 5988
Multiplr: 229.46

Method : C:\HPCHEM\1\METHODS\03129A01.M
Title : semivolatiles
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	R.T.
48.05	2917.14 ug/ml	89565	PERYLENE-D12	45.88

Hit# of 20	Tentative ID	Ref#	CAS#	Qual
1	Hexatriacontane	74636	000630-06-8	87
2	Eicosane	72323	000112-95-8	87
3	Dotriacontane	74490	000544-85-4	87
4	Tricosane, 2-methyl-	73540	001928-30-9	83
5	Heptacosane	74082	000593-49-7	83

C30 HC



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\03129A08.D
Acq On : 12 Mar 99 5:11 pm
Sample : 67828
Misc : American Glue & Resin P#99187

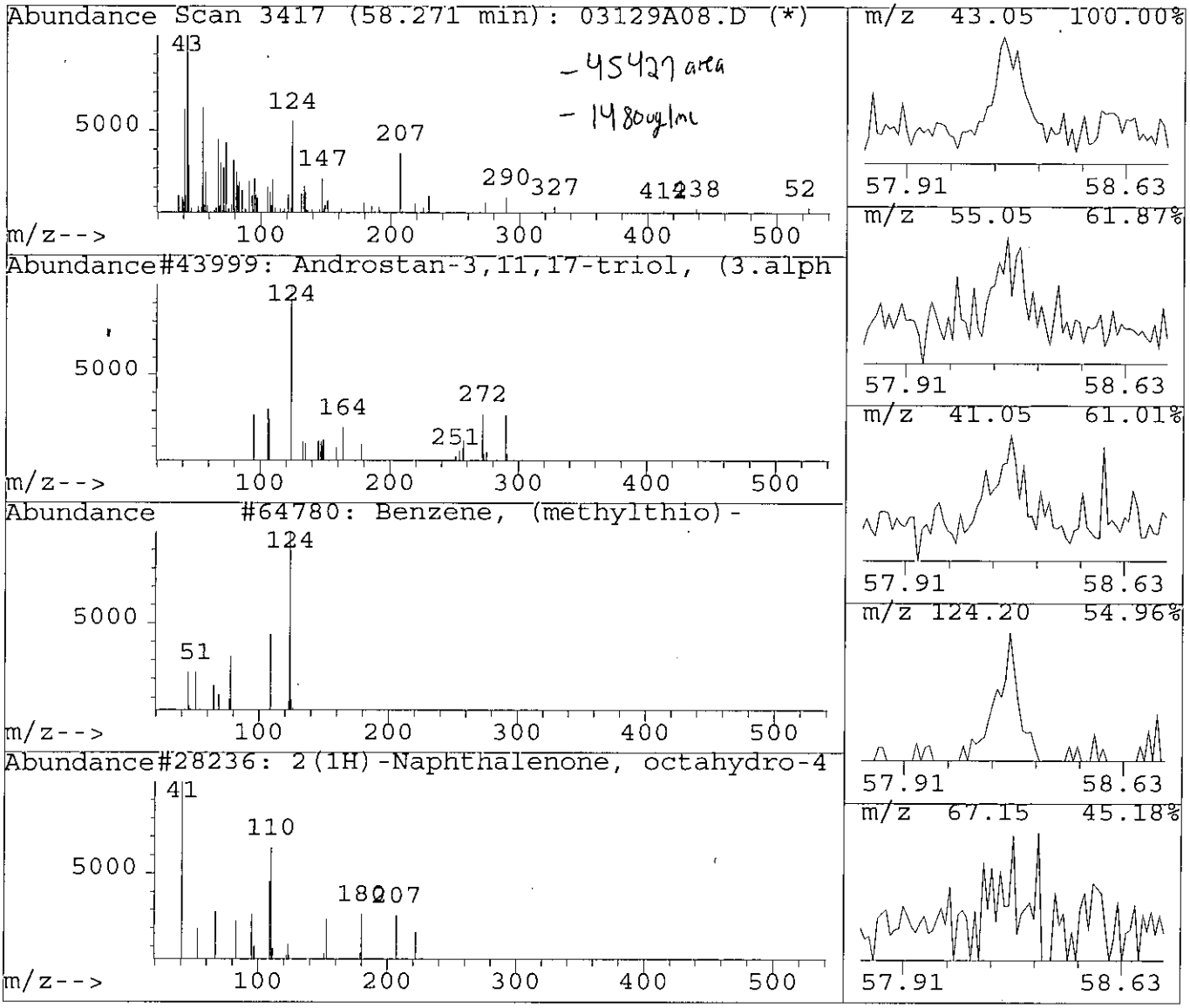
Vial: 8
Operator: ESAT
Inst : 5988
Multiplr: 229.46

Method : C:\HPCHEM\1\METHODS\03129A01.M
Title : semivolatiles
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	R.T.
58.27	1393.84 ug/ml	42795	PERYLENE-D12	45.88

Hit# of 20	Tentative ID	Ref#	CAS#	Qual
1	Androstan-3,11,17-triol, (3.alpha.	43999	000000-00-0	12
2	Benzene, (methylthio)-	64780	000100-68-5	11
3	2(1H)-Naphthalenone, octahydro-4a,5	28236	055332-04-2	10
4	4-Acetamido-2,2,6,6-tetramethylpipe	26079	014691-89-5	10
5	Stigmast-4-en-3-one	54779	001058-61-3	10

UNK.



1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

S67829

Lab EPA REG 1 Contract:

Proj 99187 Site: AMERICAN Location: Group:

Matrix: (soil/wat SOIL Lab Sample ID: S67829

Wet Sample wt/vol: 5.1 (g/mL) G Lab File ID: 03129A20.D

Day: 1.1g Collected: 3/3/99

Level: (low/m MED Date Received: 3/3/99

% 79 decanted: (Y/N): Y Date Extracted: 3/9/99

Concentrated Extract Volume 1000 (uL) Date Analyzed: 3/13/99

Injection Volume 1.0 (uL) Dilution Factor: 2.0

GPC Cleanup: (Y N pH: 0 Report Factor: 5.5

Concentration Units:

CAS No.	Compound	(ug/L or ug/Kg) ug/Kg	Q
62-53-3	ANILINE	18000	UD
108-95-2	PHENOL	14000	UD
111-44-4	BIS(2-CHLOROETHYL) ETHER	18000	UD
95-57-8	2-CHLOROPHENOL	18000	UD
541-73-1	1,3-DICHLOROBENZENE	18000	UD
106-46-7	1,4-DICHLOROBENZENE	18000	UD
100-51-6	BENZYL ALCOHOL	18000	UD
95-50-1	1,2-DICHLOROBENZENE	18000	UD
95-48-7	2-METHYLPHENOL	18000	UD
108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	18000	UD
106-44-5	4-METHYLPHENOL	18000	UD
621-64-7	N-NITROSODIPROPYLAMINE	18000	UD
67-72-1	HEXACHLOROETHANE	18000	UD
98-95-3	NITROBENZENE	18000	UD
78-59-1	ISOPHORONE	18000	UD
88-75-5	2-NITROPHENOL	18000	UD
105-67-9	2,4-DIMETHYLPHENOL	18000	UD
111-91-1	BIS(2-CHLOROETHOXY)METHANE	18000	UD
65-85-0	BENZOIC ACID	18000	UD
120-83-2	2,4-DICHLOROPHENOL	18000	UD
120-82-1	1,2,4-TRICHLOROBENZENE	18000	UD
91-20-3	NAPHTHALENE	18000	UD
106-47-8	4-CHLOROANILINE	18000	UD
87-68-3	HEXACHLOROBUTADIENE	18000	UD
59-50-7	4-CHLORO-3-METHYLPHENOL	18000	UD
91-57-6	2-METHYLNAPHTHALENE	18000	UD
77-47-4	HEXACHLOROCYCLOPENTADIENE	18000	UD
88-06-2	2,4,6-TRICHLOROPHENOL	18000	UD
95-95-4	2,4,5-TRICHLOROPHENOL	18000	UD
91-58-7	2-CHLORONAPHTHALENE	18000	UD
88-74-4	2-NITROANILINE	18000	UD
131-11-3	DIMETHYLPHTHALATE	48000	UD
208-96-8	ACENAPHTHYLENE	18000	UD

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

S67829

Lab EPA REG 1 Contract:

Proj 99187 Site: AMERICAN Location: Group:

Matrix: (soil/wat SOIL Lab Sample ID: S67829

Sample wt/vol: 5.1 (g/mL) G Lab File ID: 03129A20.D

Level: (low/m MED Date Received: 3/3/99

% 79 decanted: (Y/N): Y Date Extracted: 3/9/99

Concentrated Extract Volume 1000 (uL) Date Analyzed: 3/13/99

Injection Volume 1.0 (uL) Dilution Factor: 2.0

GPC Cleanup: (Y N pH: 0

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
606-20-2	2,6-DINITROTOLUENE	18000	UD
99-09-2	3-NITROANILINE	18000	UD
83-32-9	ACENAPHTHENE	18000	UD
51-28-5	2,4-DINITROPHENOL	18000	UD
132-64-9	DIBENZOFURAN	18000	UD
100-02-7	4-NITROPHENOL	18000	UD
121-14-2	2,4-DINITROTOLUENE	18000	UD
84-66-2	DIETHYLPHTHALATE	18000	UD
86-73-7	FLUORENE	18000	UD
7005-72-3	4-CHLOROPHENYL-PHENYLETHER	18000	UD
100-01-6	4-NITROANILINE	18000	UD
534-52-1	4,6-DINITRO-2-METHYLPHENOL	18000	UD
86-30-6	N-NITROSODIPHENYLAMINE	18000	UD
103-33-3	DIPHENYLHYDRAZINE(AZOBENZENE)	18000	UD
101-55-3	4-BROMOPHENYL-PHENYLETHER	18000	UD
319-84-6	BHC ISOMER (ALPHA)	18000	UD
118-74-1	HEXACHLOROBENZENE	18000	UD
319-85-7	BHC ISOMER (BETA)	18000	UD
87-86-5	PENTACHLOROPHENOL	18000	UD
58-89-9	LINDANE-BHC ISOMER (GAMA)	18000	UD
85-01-8	PHENANTHRENE	18000	UD
120-12-7	ANTHRACENE	18000	UD
319-86-8	BHC ISOMER (DELTA)	18000	UD
86-74-8	CARBAZOLE	18000	UD
76-44-8	HEPTACHLOR	18000	UD
84-74-2	DIBUTYLPHTHALATE	18000	UD
309-00-2	ALDRIN	18000	UD
1024-57-3	HEPTACHLOR EPOXIDE	18000	UD
206-44-0	FLUORANTHENE	18000	UD
129-00-0	PYRENE	18000	UD
959-98-8	ENDOSULFAN I	18000	UD
72-55-9	P,P-DDE	18000	UD
60-57-1	DIELDRIN	18000	UD

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

S67829

Lab EPA REG 1 Contract:

Proj 99187 Site: AMERICAN Location: Group:

Matrix: (soil/wat SOIL Lab Sample ID: S67829

Sample wt/vol: 5.1 (g/mL) G Lab File ID: 03129A20.D

Level: (low/m MED Date Received: 3/3/99

% 79 decanted: (Y/N): Y Date Extracted: 3/9/99

Concentrated Extract Volume 1000 (uL) Date Analyzed: 3/13/99

Injection Volume 1.0 (uL) Dilution Factor: 2.0

GPC Cleanup: (Y N pH: 0

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
72-20-8	ENDRIN	18000	UD
33213-65-9	ENDOSULFAN II	18000	UD
72-54-8	P,P-DDD	18000	UD
85-68-7	BUTYLBENZYLPHTHALATE	18000	UD
50-29-3	P,P-DDT	18000	UD
1031-07-8	ENDOSULFAN SULFATE	18000	UD
72-43-5	METHOXYCHLOR	18000	UD
53494-70-5	ENDRIN KETONE	18000	UD
91-94-1	3,3-DICHCHLOROBENZIDINE	18000	UD
56-55-3	BENZ(A)ANTHRACENE	18000	UD
218-01-9	CHRYSENE	18000	UD
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	18000	UD
117-84-0	DI-N-OCTYLPHTHALATE	18000	UD
205-99-2	BENZO(B)FLUORANTHENE	18000	UD
207-08-9	BENZO(K)FLUORANTHENE	18000	UD
50-32-8	BENZO(A)PYRENE	18000	UD
193-39-5	INDENO(1,2,3-CD)PYRENE	18000	UD
53-70-3	DIBENZO(A,H)ANTHRACENE	18000	UD
191-24-2	BENZO(GHI)PERYLENE	18000	UD

SAMPLE NUMBER 67829 QUANTITATION SHEET

Tentatively Identified Compounds

SCAN NO.	COMPOUND	PROB. MATCH	CONC (ug/ml)	EST. C. (ug/kg)	CAS NO.	CHEM. FORM.
61	~~4-hydroxy-4-methyl-2-Pentanone~~	50	—	~~~100,000 AB~~	123422	
2189	Unknown hydrocarbon - C26	91	—	~70,000 J	—	
2267	Unknown hydrocarbon - C26	91	—	~80,000 J	—	
2352	Unknown hydrocarbon - C28	96	—	~90,000 J	—	
2446	Unknown hydrocarbon - C28	95	—	~80,000 J	—	
2831	Unknown hydrocarbon - C32	96	—	~80,000 J	—	

~ = Approximate
< = Less than
> = Greater than
NA = Not available due to dilution or interference
E = Estimated value that exceeds the calibration range
L = Estimated value that is below the calibration range
B = Analyte associated with the lab, trip blank. Reported values are 5X higher than blank. Phthalates must be 10X.

Quantitation Report

Data File : C:\HPCHEM\1\DATA\03129A20.D Vial: 20
Acq On : 13 Mar 99 8:26 pm Operator: ESAT
Sample : 67829 1:2 Inst : 5988
Misc : American Glue & Resin P#99187 Multiplr: 1846.72
Quant Time: Mar 14 12:05 1999

Method : C:\HPCHEM\1\METHODS\03129A02.M
Title : semivolatiles
Last Update : Sat Mar 13 11:22:04 1999
Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DICHLOROBENZENE-D4	16.27	150	53135	40.00	ug/ml	-0.01
19) NAPHTHALENE-D8	20.43	136	126733	40.00	ug/ml	0.00
34) ACENAPHTHENE-D10	26.37	164	65923	40.00	ug/ml	-0.02
54) PHENANTHRENE-D10	31.48	188	123205	40.00	ug/ml	-0.01
74) CHRYSENE-D12	40.49	240	123491	40.00	ug/ml	-0.02
92) PERYLENE-D12	45.85	264	99484	40.00	ug/ml	-0.01
System Monitoring Compounds						%Recovery
2) FLUOROPHENOL	12.41	112	94344	94.31	ug/ml	47.16%
4) PHENOL-D5	15.28	99	158849	106.09	ug/ml	53.04%
5) 2-CHLOROPHENOL-D4	15.63	132	107947	99.30	ug/ml	49.65%
12) 1,2-DICHLOROBENZENE-D4	16.76	150	48065	37.99	ug/ml	37.99%
20) NITROBENZENE-D5	18.12	82	83218	45.70	ug/ml	45.70%
38) FLUOROBIPHENYL	24.10	172	99167	45.51	ug/ml	45.51%
58) 2,4,6-TRIBROMOPHENOL	29.11	330	50859	100.41	ug/ml	50.21%
78) P-TERPHENYL-D14	36.95	244	137244	45.02	ug/ml	45.02%
Target Compounds						Qvalue
6) PHENOL	15.32	94	11400	13673.16	ug/ml#	44
41) DIMETHYLPHTHALATE	25.54	163	66670	48266.31	ug/ml	93

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

Quantitation Report

Data File : c:\hpchem\1\data\03129a20.d
Acq On : 13 Mar 99 8:26 pm
Sample : 67829 1:2
Misc : American Glue & Resin P#99187
Quant Time: Mar 14 9:27 1999

Vial: 20
Operator: ESAT
Inst : 5988
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\03129A02.M
Title : semivolatiles
Last Update : Sat Mar 13 11:22:04 1999
Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DICHLOROBENZENE-D4	16.27	150	53135	40.00	ug/ml	-0.01
19) NAPHTHALENE-D8	20.43	136	126733	40.00	ug/ml	0.00
34) ACENAPHTHENE-D10	26.37	164	65923	40.00	ug/ml	-0.02
54) PHENANTHRENE-D10	31.48	188	123205	40.00	ug/ml	-0.01
74) CHRYSENE-D12	40.49	240	123491	40.00	ug/ml	-0.02
92) PERYLENE-D12	45.85	264	99484	40.00	ug/ml	-0.01
System Monitoring Compounds						%Recovery
2) FLUOROPHENOL	12.41	112	94344	94.31	ug/ml	47.16%
4) PHENOL-D5	15.28	99	158849	106.09	ug/ml	53.04%
5) 2-CHLOROPHENOL-D4	15.63	132	107947	99.30	ug/ml	49.65%
12) 1,2-DICHLOROBENZENE-D4	16.76	150	48065	37.99	ug/ml	37.99%
20) NITROBENZENE-D5	18.12	82	83218	45.70	ug/ml	45.70%
38) FLUOROBIPHENYL	24.10	172	99167	45.51	ug/ml	45.51%
58) 2,4,6-TRIBROMOPHENOL	29.11	330	50859	100.41	ug/ml	50.21%
78) P-TERPHENYL-D14	36.95	244	137244	45.02	ug/ml	45.02%
Target Compounds						Qvalue
6) PHENOL	15.32	94	11400	7.40	ug/ml#	44
11) BENZYL ALCOHOL	16.76	79	1742	~~2.66 ug/ml#~~		11
41) DIMETHYLPHTHALATE	25.54	163	66670	26.14	ug/ml	93
50) DIETHYLPHTHALATE	27.52	149	1833	~~0.69 ug/ml#~~		70
56) N-NITROSODIPHENYLAMINE	29.11	169	1650	~~1.10 ug/ml#~~		50
67) BHC ISOMER (DELTA)	31.64	181	22746	~~62.65 ug/ml#~~		5
72) HEPTACHLOR EPOXIDE	35.27	81	3267	~~6.33 ug/ml#~~		39
87) ENDRIN KETONE	40.08	67	2208	~~4.16 ug/ml#~~		54
91) BIS(2-ETHYLHEXYL)PHTHALATE	40.63	149	2341	~~0.82 ug/ml~~		98

wet wt = 5.110
dry wt = 1.083
4. moist = 1ml FV
1ml FV
1:2 D.F.
mw / T = 1846.722068

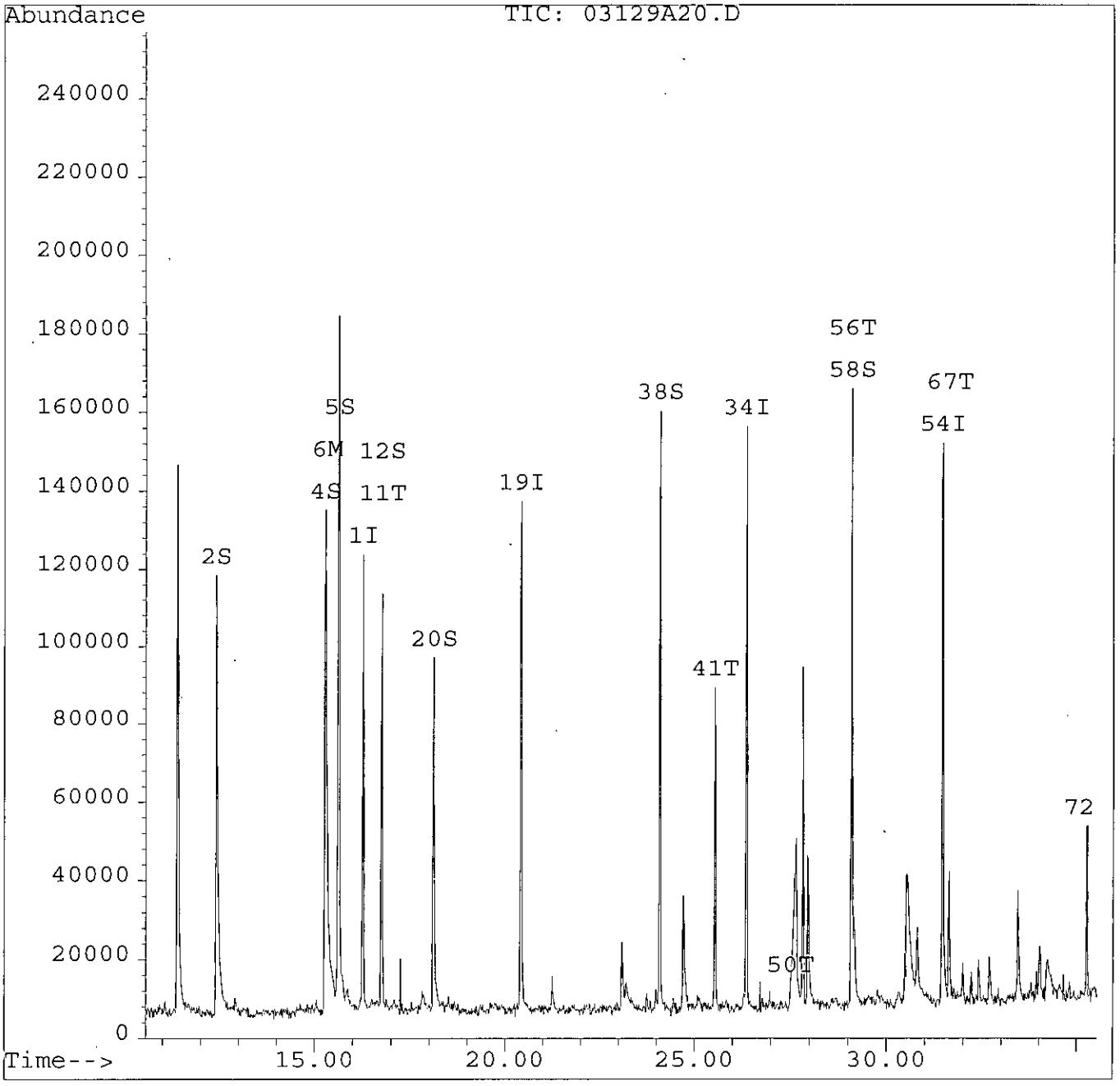
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : c:\hpchem\1\data\03129a20.d
Acq On : 13 Mar 99 8:26 pm
Sample : 67829 1:2
Misc : American Glue & Resin P#99187
Quant Time: Mar 14 9:27 1999

Vial: 20
Operator: ESAT
Inst : 5988
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\03129A02.M
Title : semivolatiles
Last Update : Sat Mar 13 11:22:04 1999
Response via : Single Level Calibration

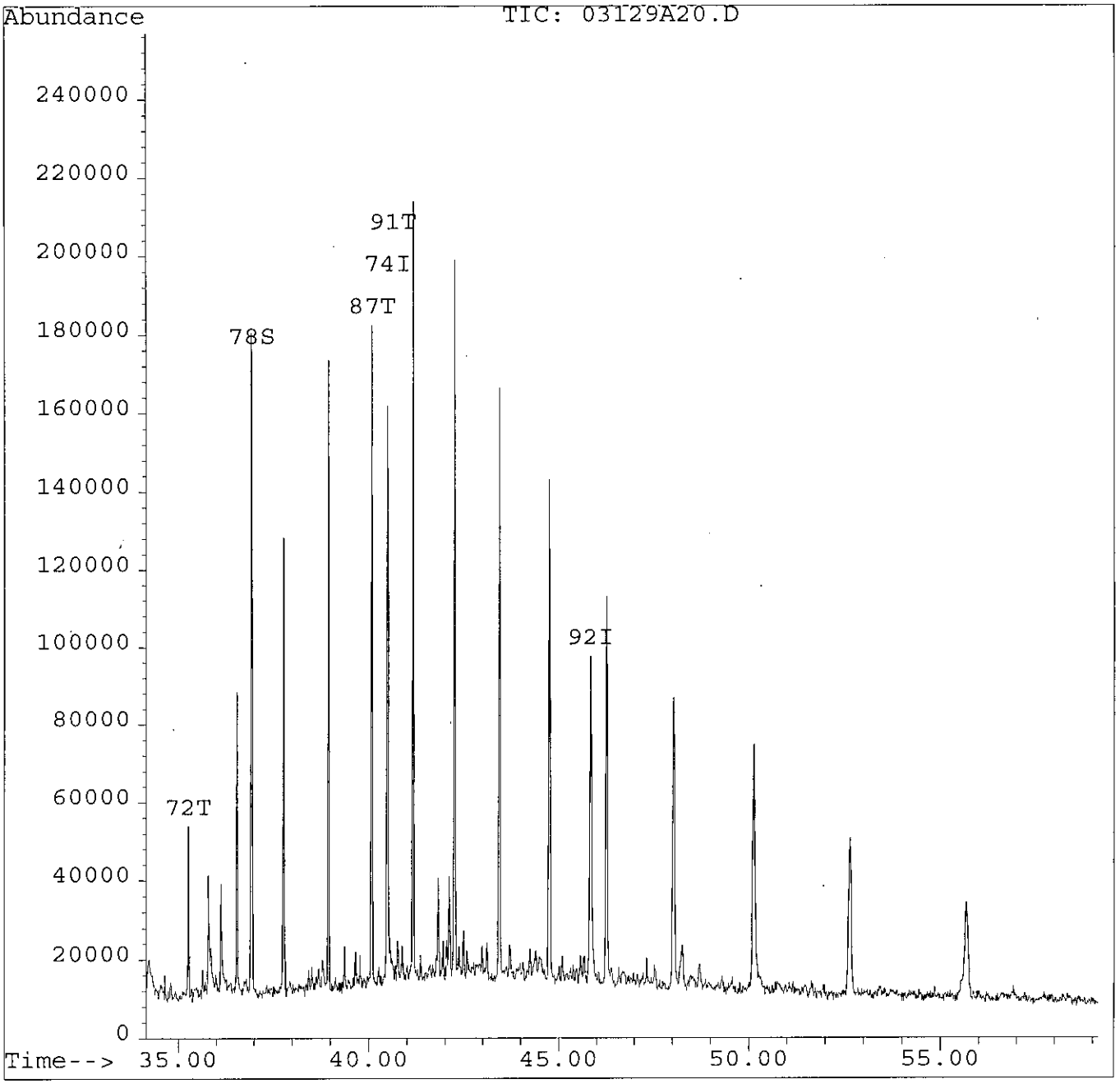


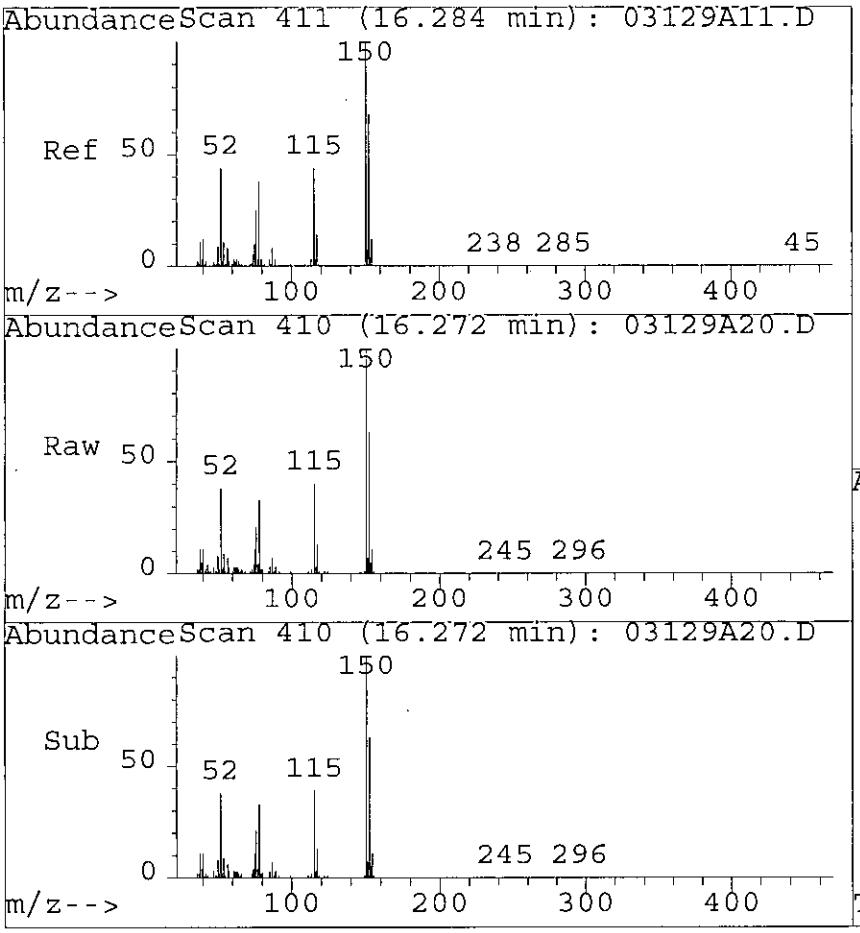
Quantitation Report

Data File : c:\hpchem\1\data\03129a20.d
Acq On : 13 Mar 99 8:26 pm
Sample : 67829 1:2
Misc : American Glue & Resin P#99187
Quant Time: Mar 14 9:27 1999

Vial: 20
Operator: ESAT
Inst : 5988
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\03129A02.M
Title : semivolatiles
Last Update : Sat Mar 13 11:22:04 1999
Response via : Single Level Calibration

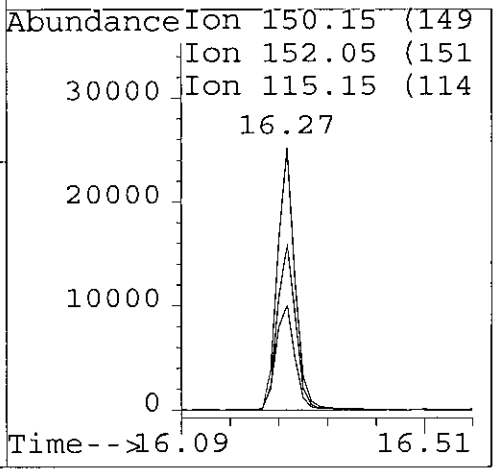


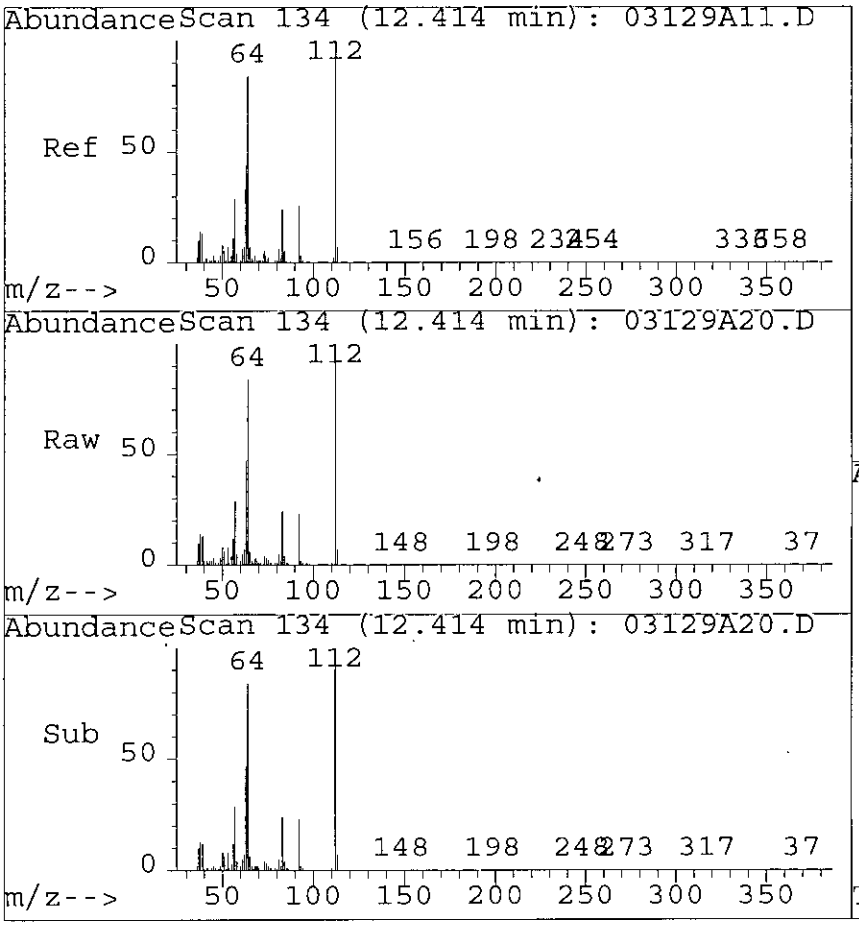


#1
1,4-DICHLOROBENZENE-D4
Concen: 40.00 ug/ml
RT: 16.27 min Scan# 410
Delta R.T. -0.01 min
Lab File: 03129a20.d
Acq: 13 Mar 99 8:26 pm

Tgt Ion:150.15 Resp: 53135

Ion	Ratio	Lower	Upper
150	100		
152	63.2	51.1	76.6
115	39.9	34.7	52.0
0	0.0	0.0	0.0

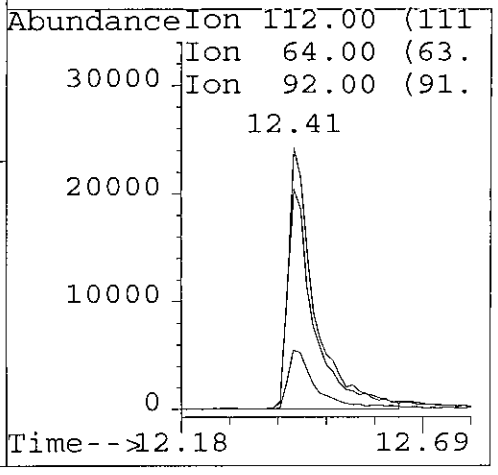


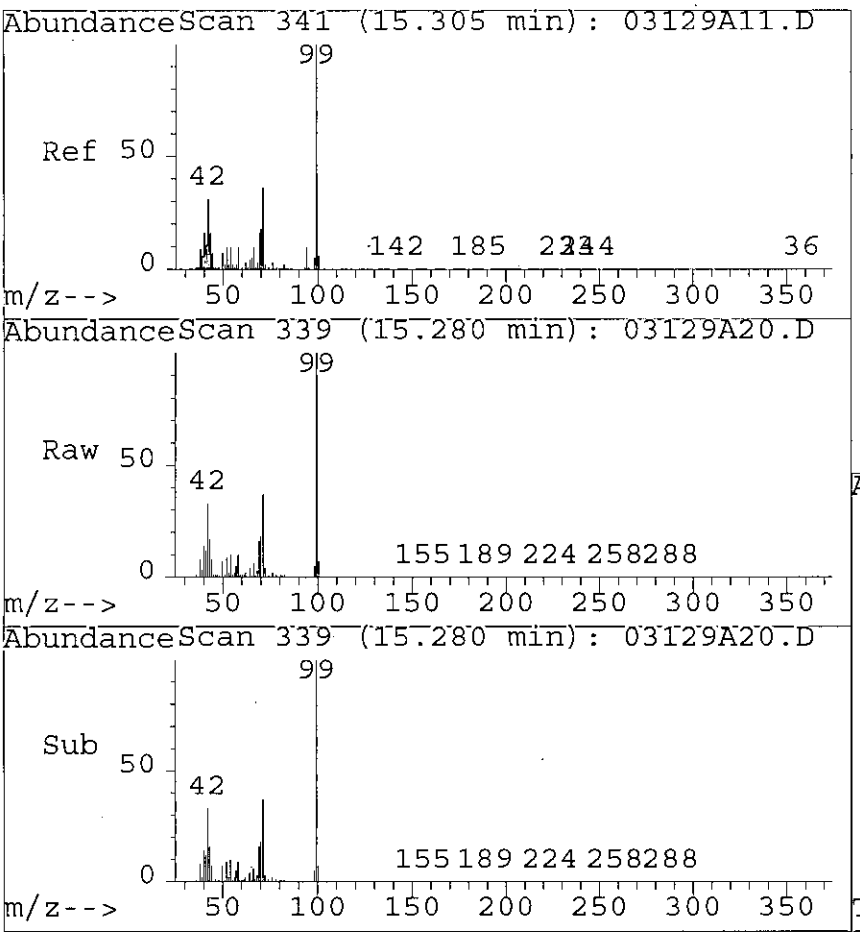


#2
FLUOROPHENOL
Concen: 94.31 ug/ml
RT: 12.41 min Scan# 134
Delta R.T. 0.00 min
Lab File: 03129a20.d
Acq: 13 Mar 99 8:26 pm

Tgt Ion:112 Resp: 94344

Ion	Ratio	Lower	Upper
112	100		
64	84.1	55.4	83.1#
92	22.6	24.7	37.0#
0	0.0	0.0	0.0

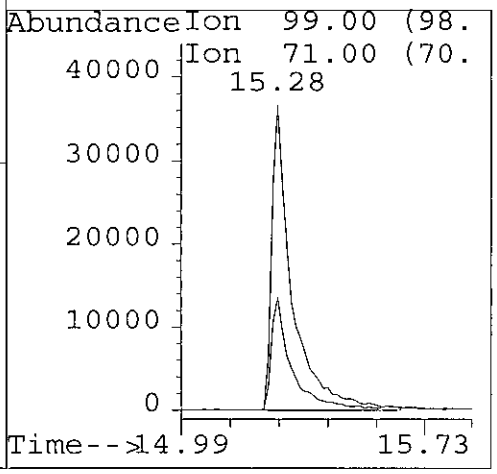


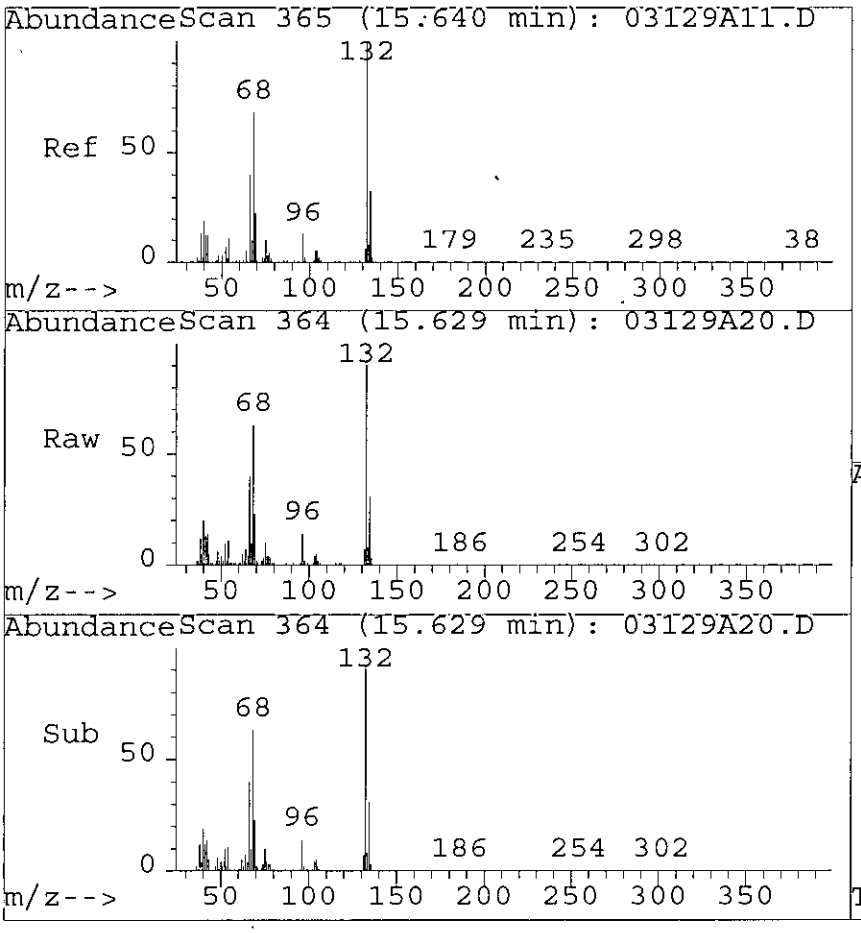


#4
PHENOL-D5
Concen: 106.09 ug/ml
RT: 15.28 min Scan# 339
Delta R.T. -0.02 min
Lab File: 03129a20.d
Acq: 13 Mar 99 8:26 pm

Tgt Ion:99 Resp: 158849

Ion	Ratio	Lower	Upper
99	100		
71	37.2	27.7	41.4
0	0.0	0.0	0.0
0	0.0	0.0	0.0

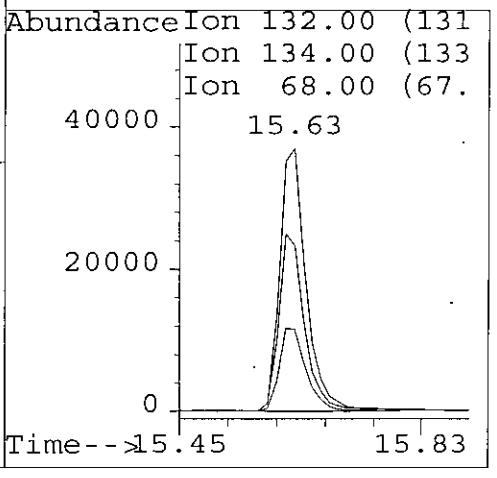


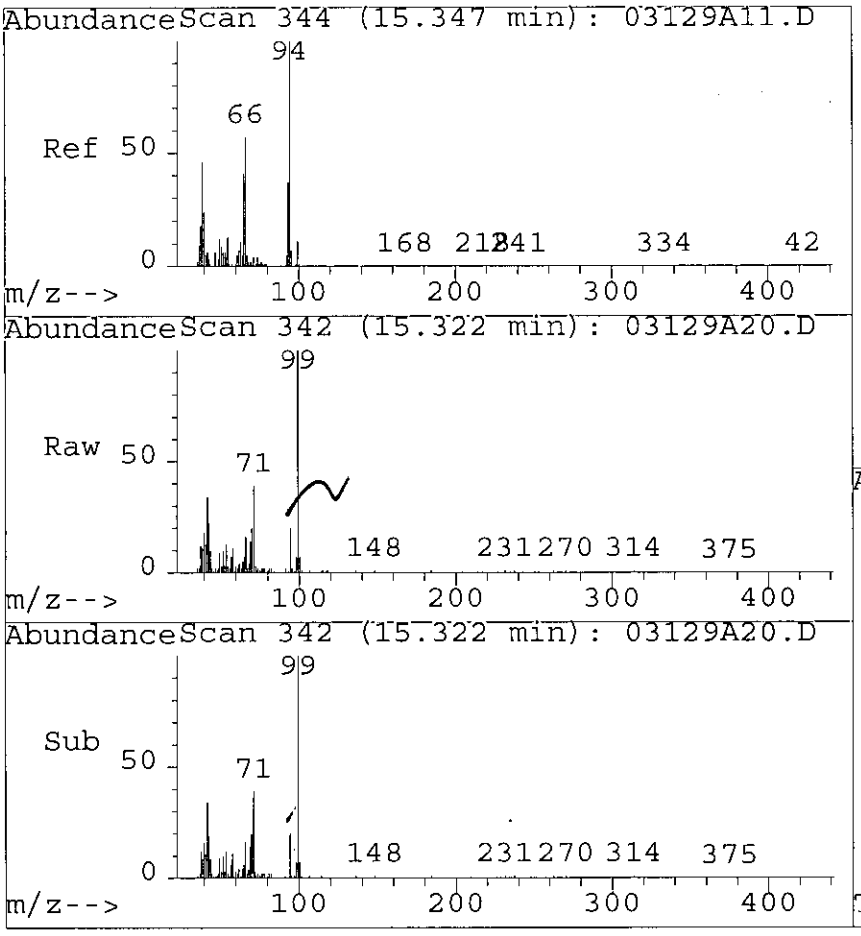


#5
2-CHLOROPHENOL-D4
Concen: 99.30 ug/ml
RT: 15.63 min Scan# 364
Delta R.T. -0.01 min
Lab File: 03129a20.d
Acq: 13 Mar 99 8:26 pm

Tgt Ion:132 Resp: 107947

Ion	Ratio	Lower	Upper
132	100		
134	31.4	24.0	35.9
68	63.0	40.0	59.9#
0	0.0	0.0	0.0

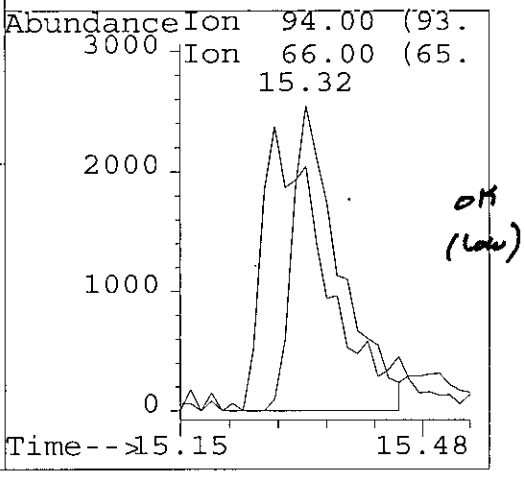




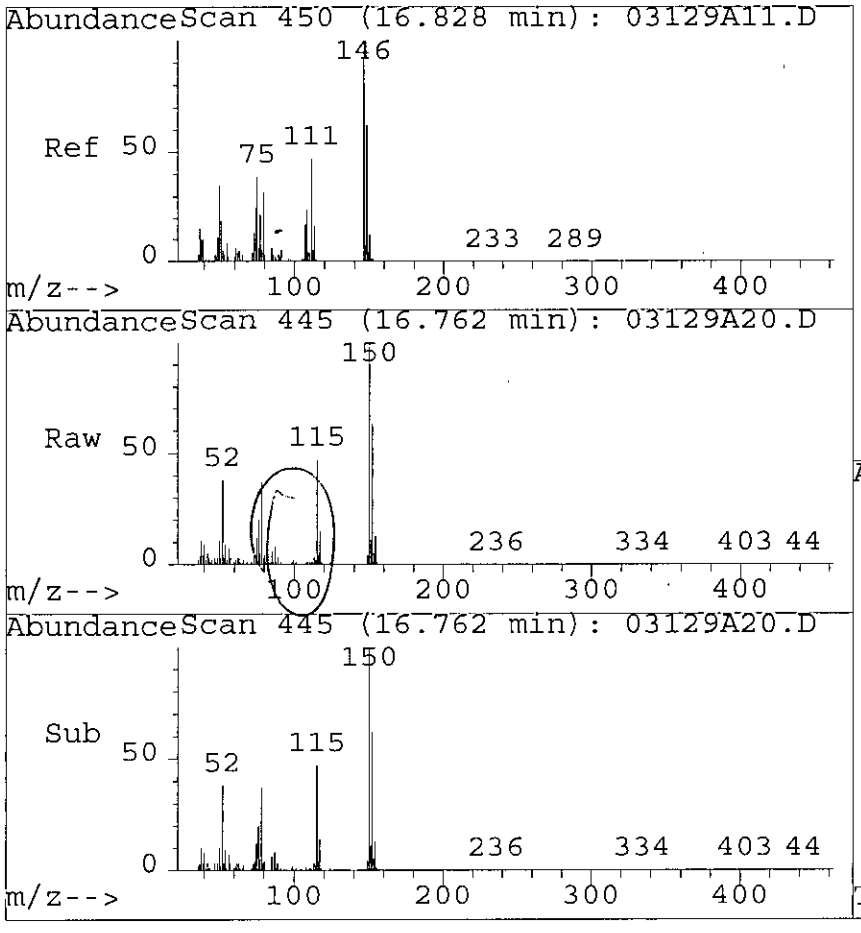
#6
PHENOL
Concen: 7.40 ug/ml
RT: 15.32 min Scan# 342
Delta R.T. -0.03 min
Lab File: 03129a20.d
Acq: 13 Mar 99 8:26 pm

Tgt Ion:94 Resp: 11400

Ion	Ratio	Lower	Upper
94	100		
66	80.2	35.1	52.6#
0	0.0	0.0	0.0
0	0.0	0.0	0.0



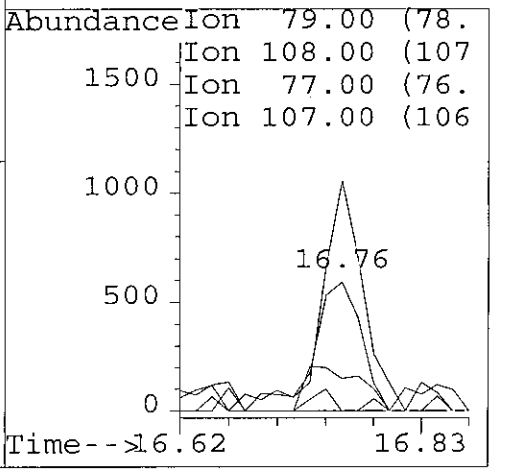
OK (low)

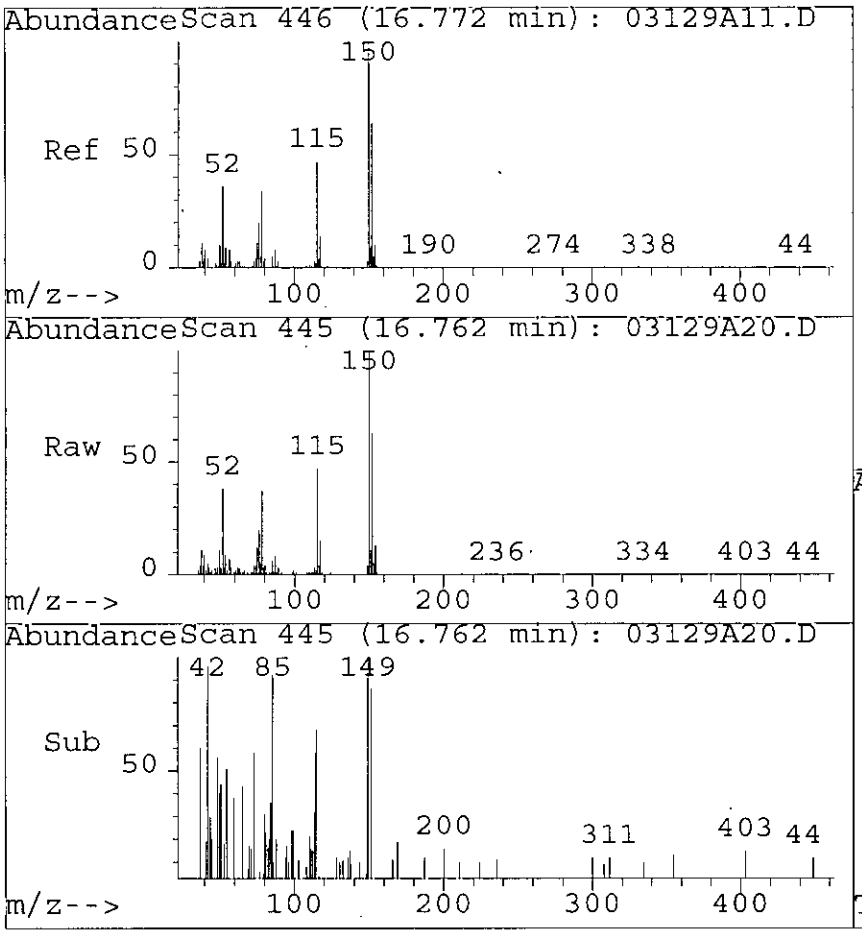


#11
BENZYL ALCOHOL
Concen: 2.66 ug/ml
RT: 16.76 min Scan# 445
Delta R.T. -0.07 min
Lab File: 03129a20.d
Acq: 13 Mar 99 8:26 pm

Tgt Ion:79 Resp: 1742

Ion	Ratio	Lower	Upper
79	100		
108	25.5	49.9	74.8#
77	179.0	53.8	80.7#
107	0.0	39.1	58.6#

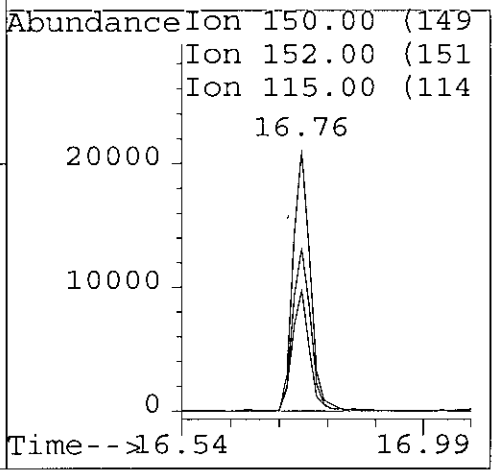


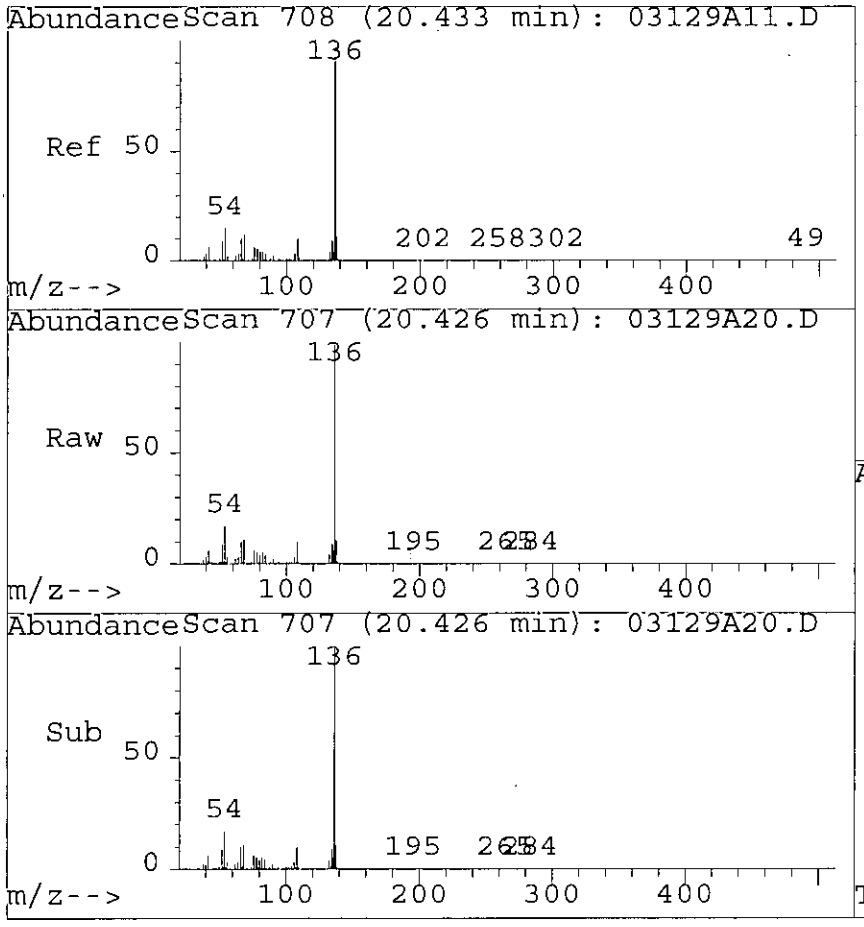


#12
1,2-DICHLOROBENZENE-D4
Concen: 37.99 ug/ml
RT: 16.76 min Scan# 445
Delta R.T. -0.01 min
Lab File: 03129a20.d
Acq: 13 Mar 99 8:26 pm

Tgt Ion:150 Resp: 48065

Ion	Ratio	Lower	Upper
150	100		
152	62.6	52.2	78.3
115	46.7	37.8	56.7
0	0.0	0.0	0.0

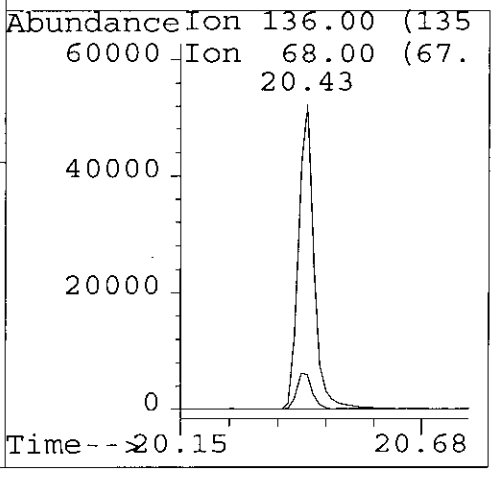


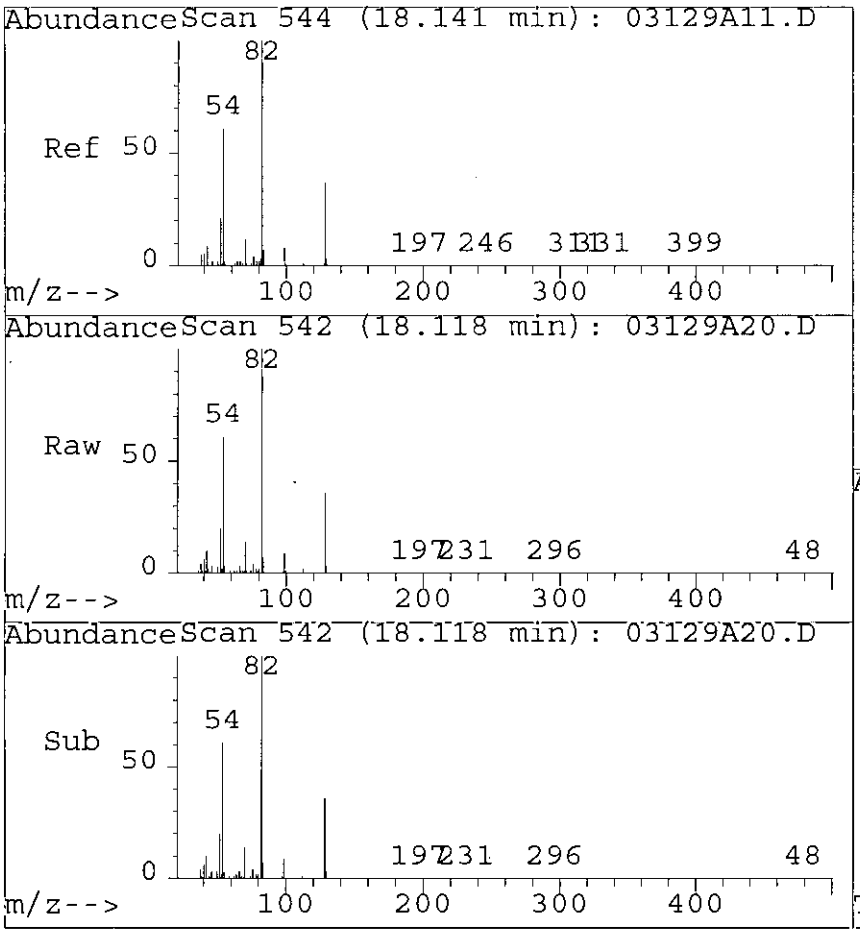


#19
NAPHTHALENE-D8
Concen: 40.00 ug/ml
RT: 20.43 min Scan# 707
Delta R.T. -0.01 min
Lab File: 03129a20.d
Acq: 13 Mar 99 8:26 pm

Tgt Ion:136 Resp: 126733

Ion	Ratio	Lower	Upper
136	100		
68	11.5	6.0	8.9#
0	0.0	0.0	0.0
0	0.0	0.0	0.0

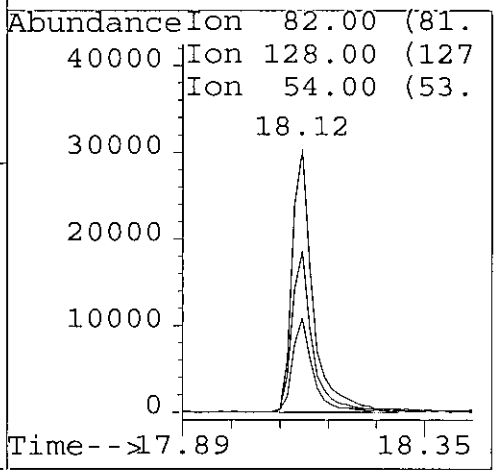


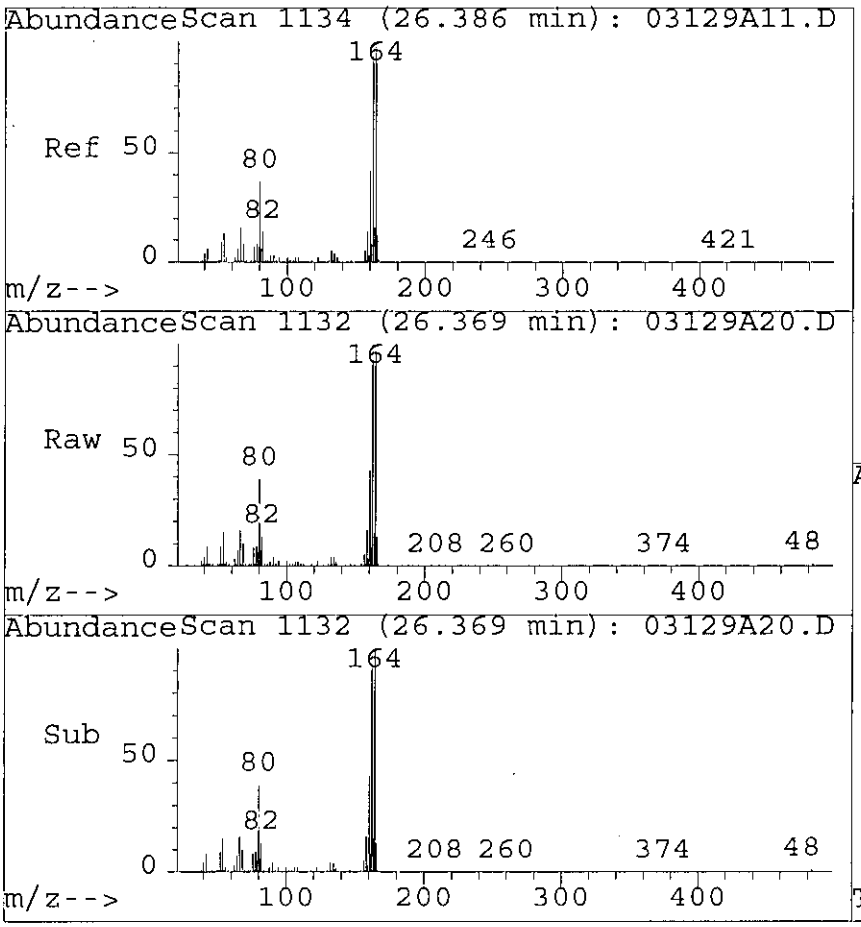


#20
NITROBENZENE-D5
Concen: 45.70 ug/ml
RT: 18.12 min Scan# 542
Delta R.T. -0.02 min
Lab File: 03129a20.d
Acq: 13 Mar 99 8:26 pm

Tgt Ion:82 Resp: 83218

Ion	Ratio	Lower	Upper
82	100		
128	35.8	34.4	51.5
54	61.3	42.9	64.4
0	0.0	0.0	0.0

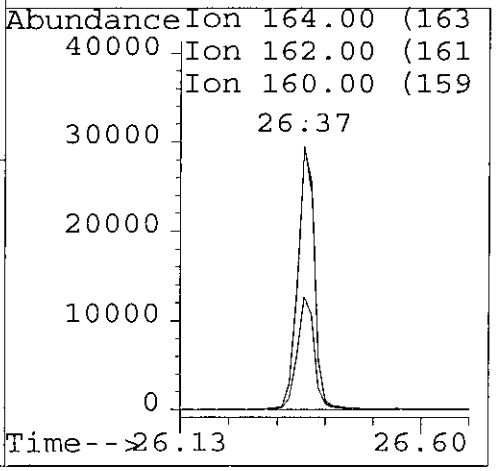


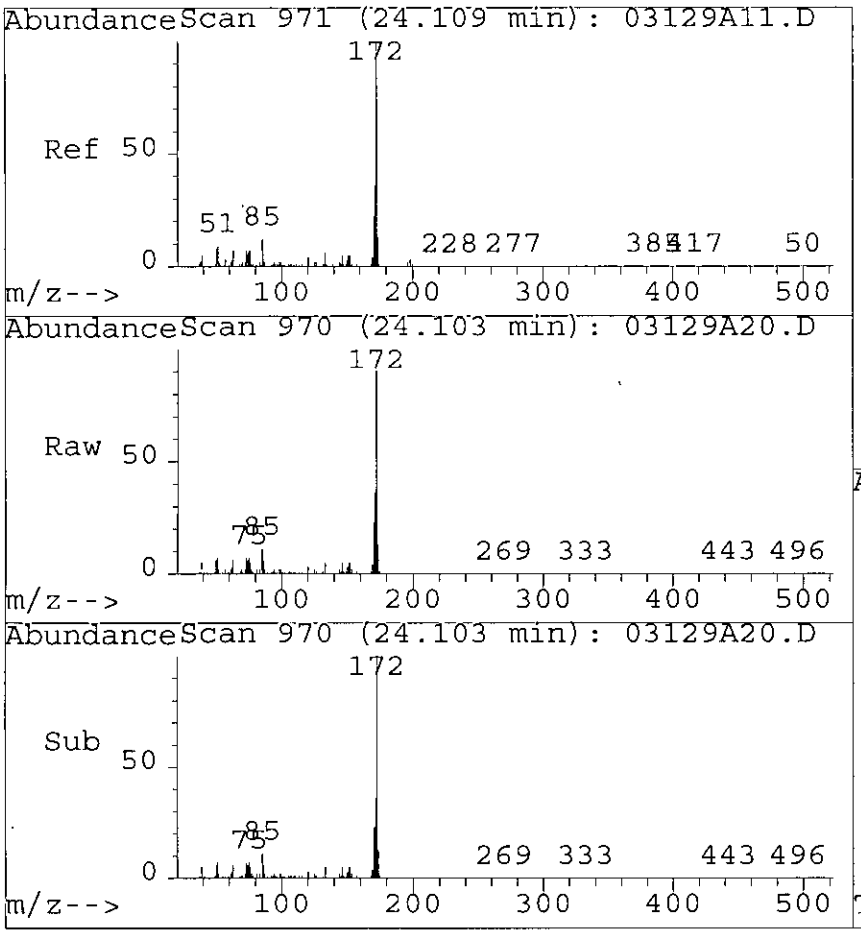


#34
ACENAPHTHENE-D10
Concen: 40.00 ug/ml
RT: 26.37 min Scan# 1132
Delta R.T. -0.02 min
Lab File: 03129a20.d
Acq: 13 Mar 99 8:26 pm

Tgt Ion:164 Resp: 65923

Ion	Ratio	Lower	Upper
164	100		
162	99.6	82.3	123.4
160	43.0	33.6	50.3
0	0.0	0.0	0.0

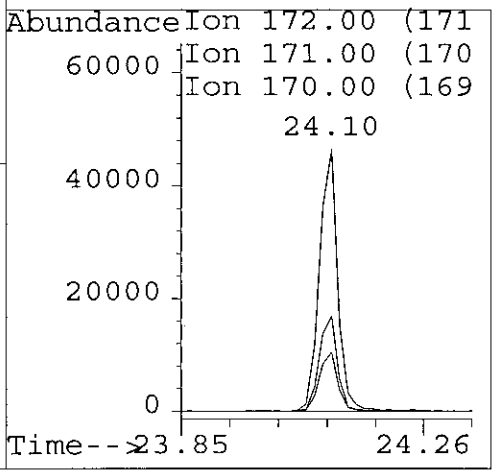


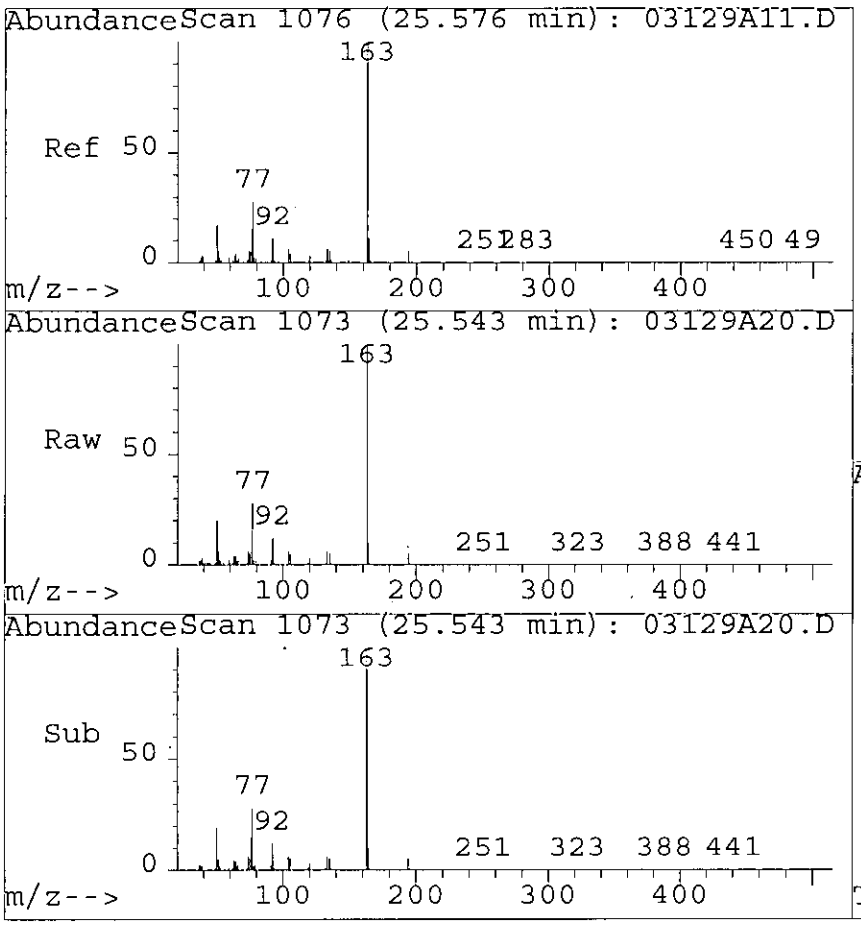


#38
FLUOROBIPHENYL
Concen: 45.51 ug/ml
RT: 24.10 min Scan# 970
Delta R.T. -0.01 min
Lab File: 03129a20.d
Acq: 13 Mar 99 8:26 pm

Tgt Ion:172 Resp: 99167

Ion	Ratio	Lower	Upper
172	100		
171	36.4	30.5	45.8
170	22.5	18.4	27.5
0	0.0	0.0	0.0

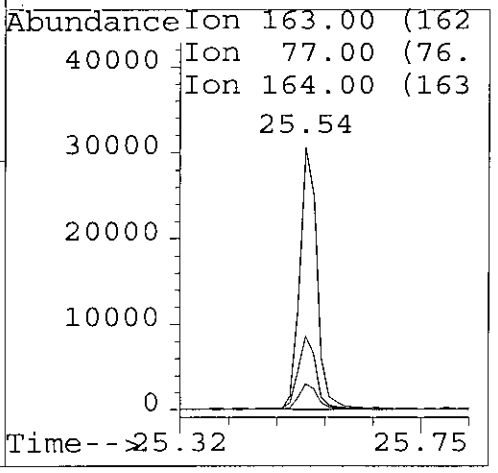


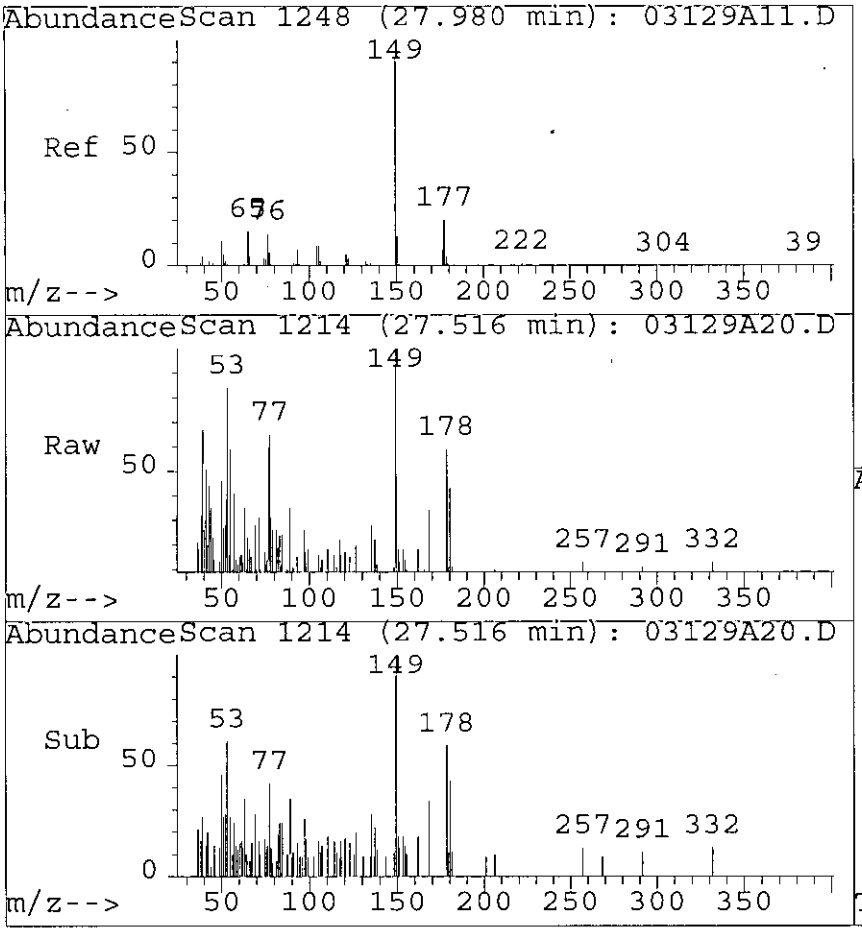


#41
DIMETHYLPHTHALATE
Concen: 26.14 ug/ml
RT: 25.54 min Scan# 1073
Delta R.T. -0.03 min
Lab File: 03129a20.d
Acq: 13 Mar 99 8:26 pm

Tgt Ion:163 Resp: 66670

Ion	Ratio	Lower	Upper
163	100		
77	28.2	19.0	28.5
164	9.8	7.6	11.3
0	0.0	0.0	0.0

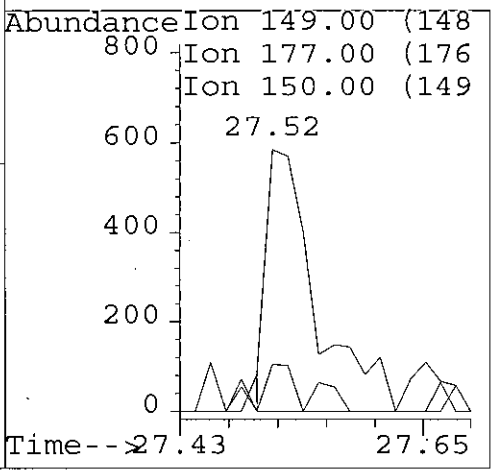


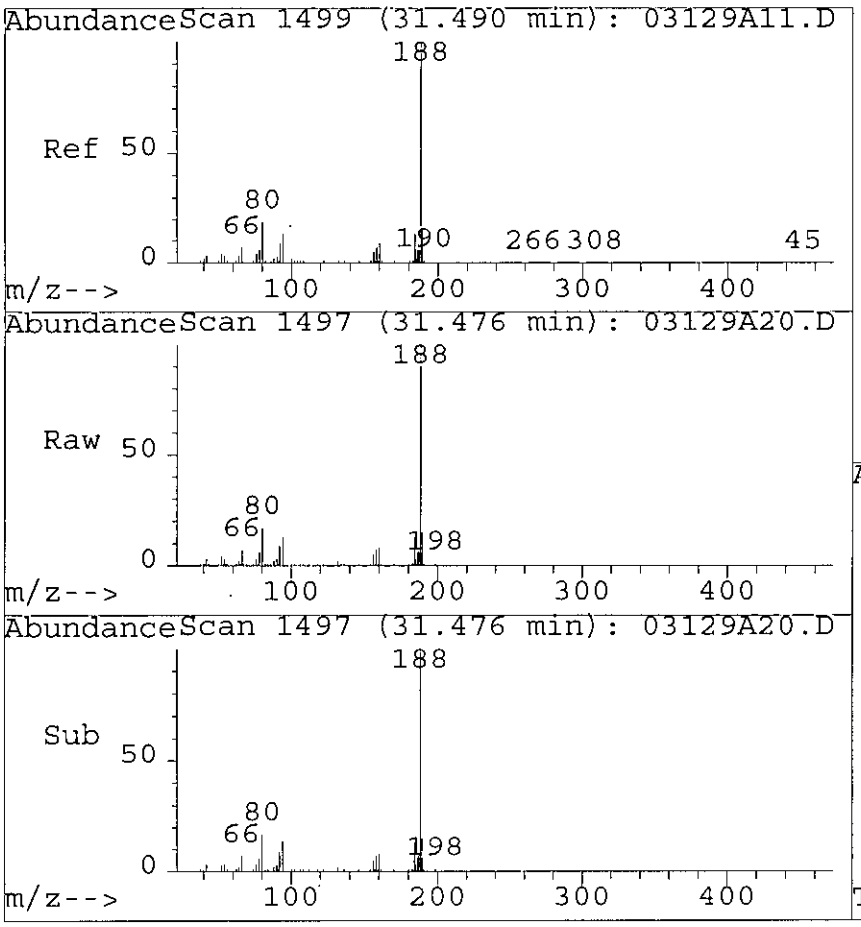


#50
DIETHYLPHTHALATE
Concen: 0.69 ug/ml
RT: 27.52 min Scan# 1214
Delta R.T. -0.46 min
Lab File: 03129a20.d
Acq: 13 Mar 99 8:26 pm

Tgt Ion:149 Resp: 1833

Ion	Ratio	Lower	Upper
149	100		
177	0.0	14.9	22.3#
150	17.9	10.1	15.1#
0	0.0	0.0	0.0

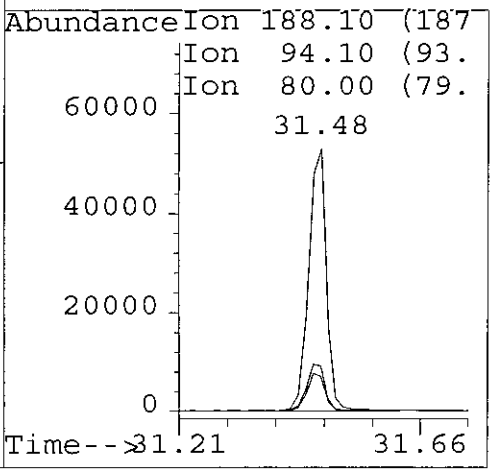


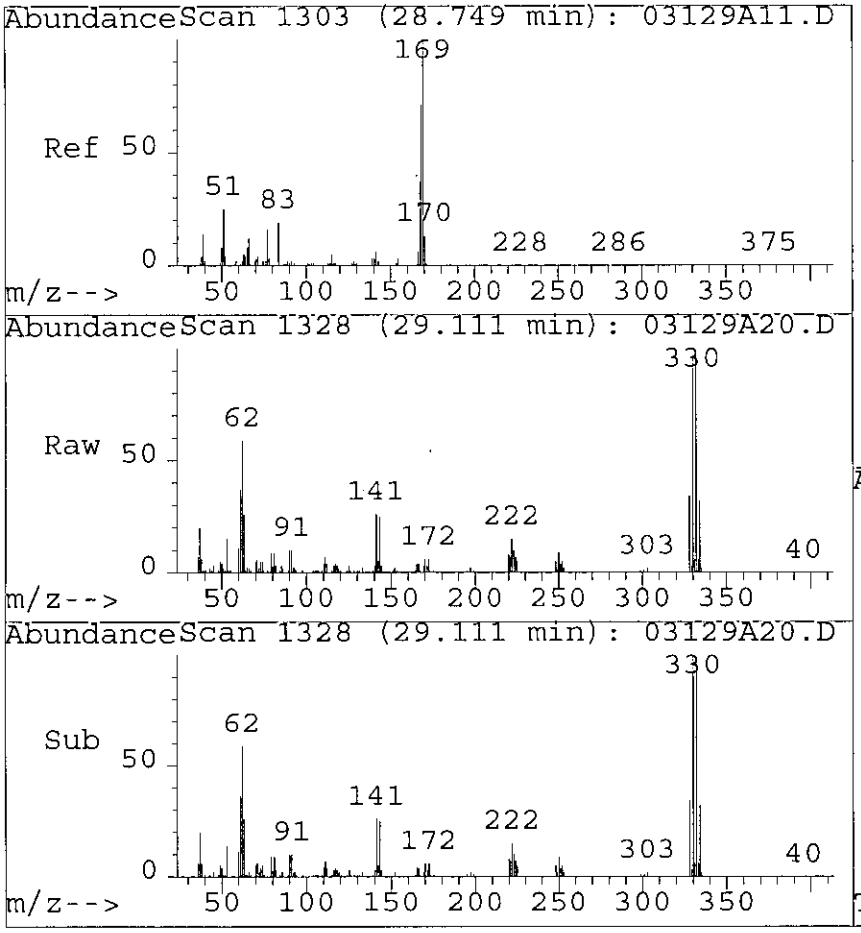


#54
PHENANTHRENE-D10
Concen: 40.00 ug/ml
RT: 31.48 min Scan# 1497
Delta R.T. -0.01 min
Lab File: 03129a20.d
Acq: 13 Mar 99 8:26 pm

Tgt Ion:188.1 Resp: 123205

Ion	Ratio	Lower	Upper
188	100		
94	13.5	11.6	17.3
80	17.4	13.7	20.5
0	0.0	0.0	0.0

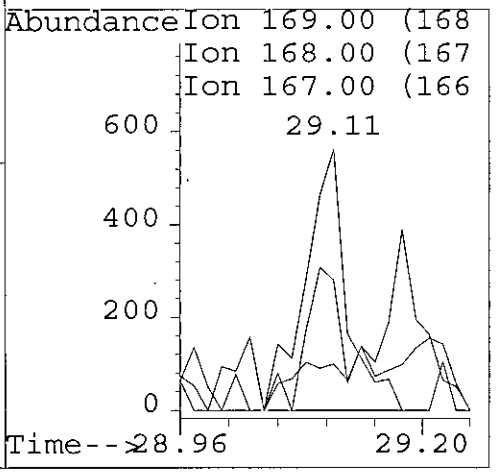


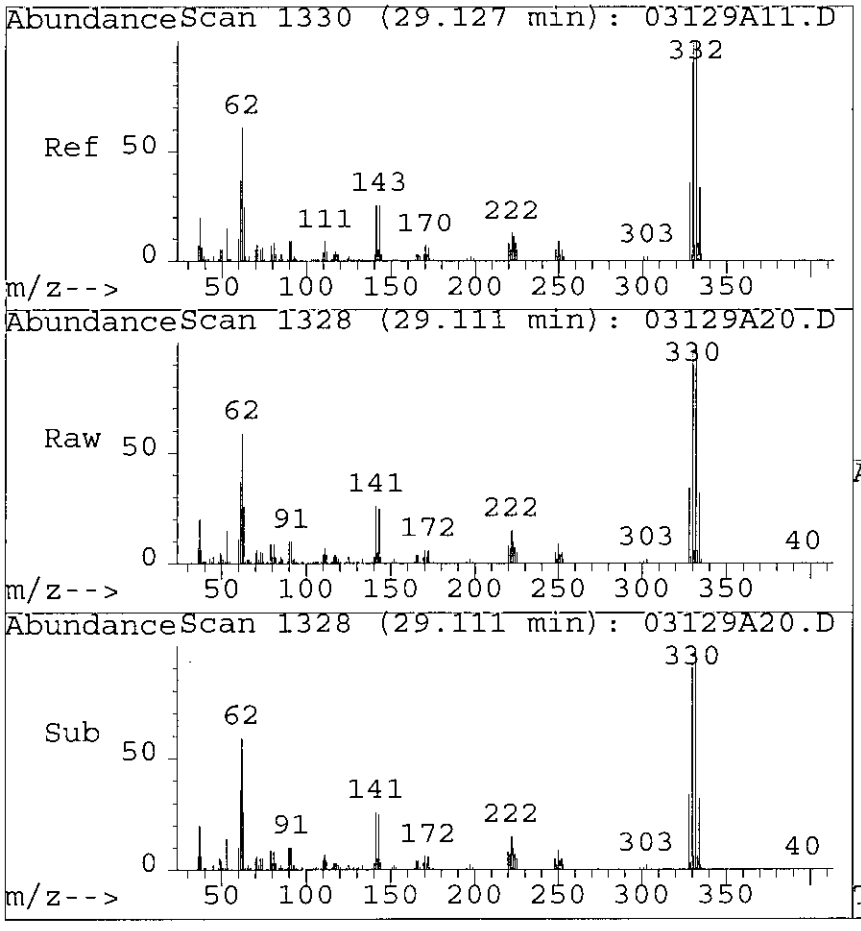


#56
N-NITROSODIPHENYLAMINE
Concen: 1.10 ug/ml
RT: 29.11 min Scan# 1328
Delta R.T. 0.36 min
Lab File: 03129a20.d
Acq: 13 Mar 99 8:26 pm

Tgt Ion:169 Resp: 1650

Ion	Ratio	Lower	Upper
169	100		
168	17.6	60.5	90.7#
167	49.7	31.4	47.1#
0	0.0	0.0	0.0

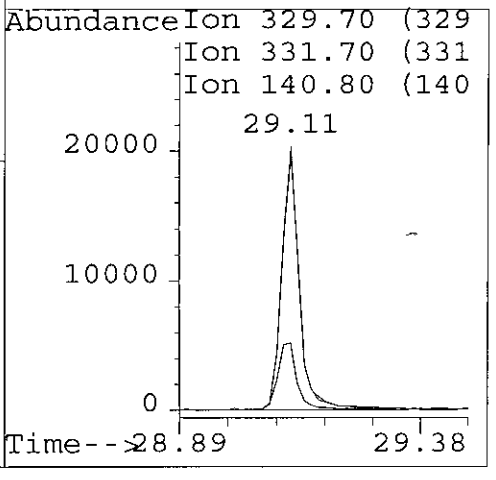


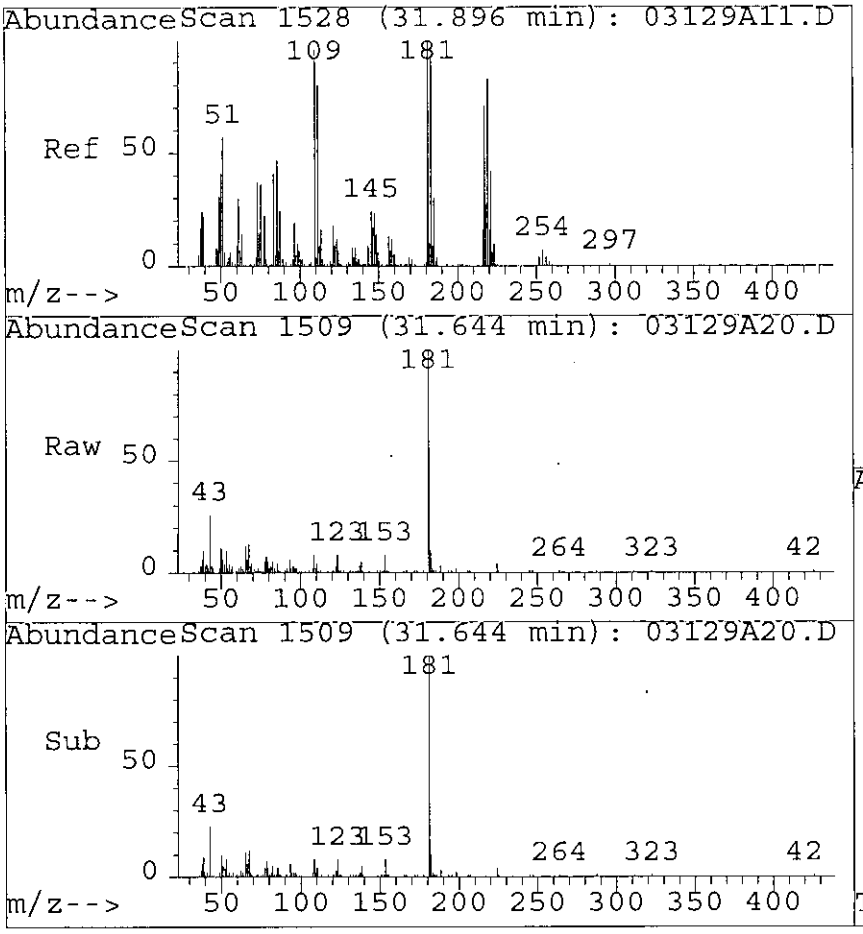


#58
2,4,6-TRIBROMOPHENOL
Concen: 100.41 ug/ml
RT: 29.11 min Scan# 1328
Delta R.T. -0.02 min
Lab File: 03129a20.d
Acq: 13 Mar 99 8:26 pm

Tgt Ion:329.7 Resp: 50859

Ion	Ratio	Lower	Upper
330	100		
332	96.7	69.7	104.5
141	25.8	30.9	46.4#
0	0.0	0.0	0.0

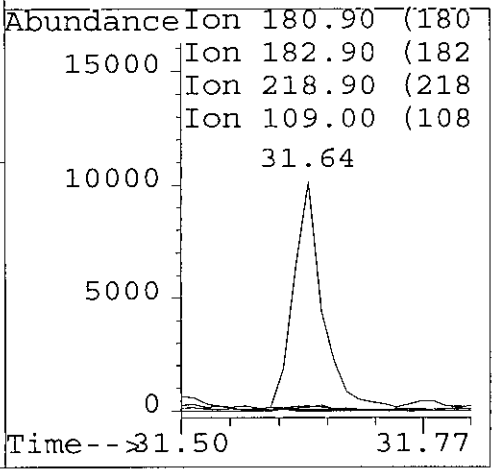


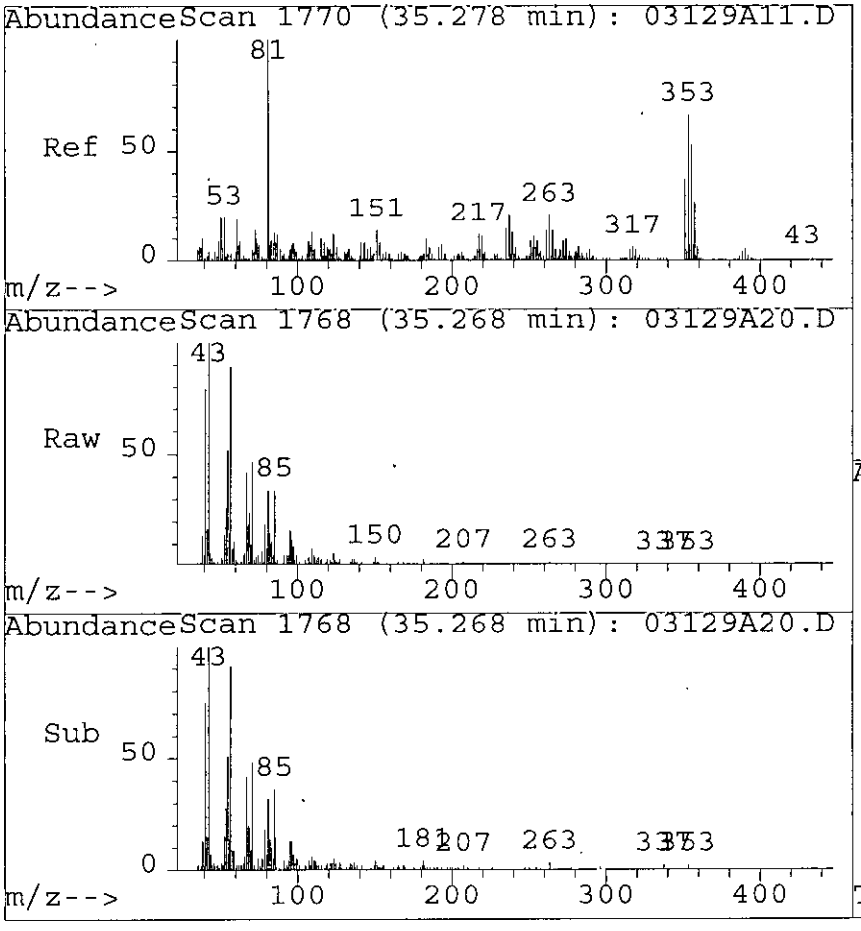


#67
BHC ISOMER (DELTA)
Concen: 62.65 ug/ml
RT: 31.64 min Scan# 1509
Delta R.T. -0.25 min
Lab File: 03129a20.d
Acq: 13 Mar 99 8:26 pm

Tgt Ion:180.9 Resp: 22746

Ion	Ratio	Lower	Upper
181	100		
183	1.6	71.3	106.9#
219	0.0	62.7	94.0#
109	2.2	83.7	125.5#

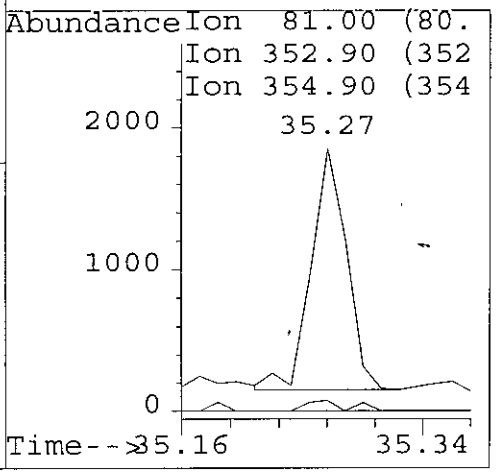


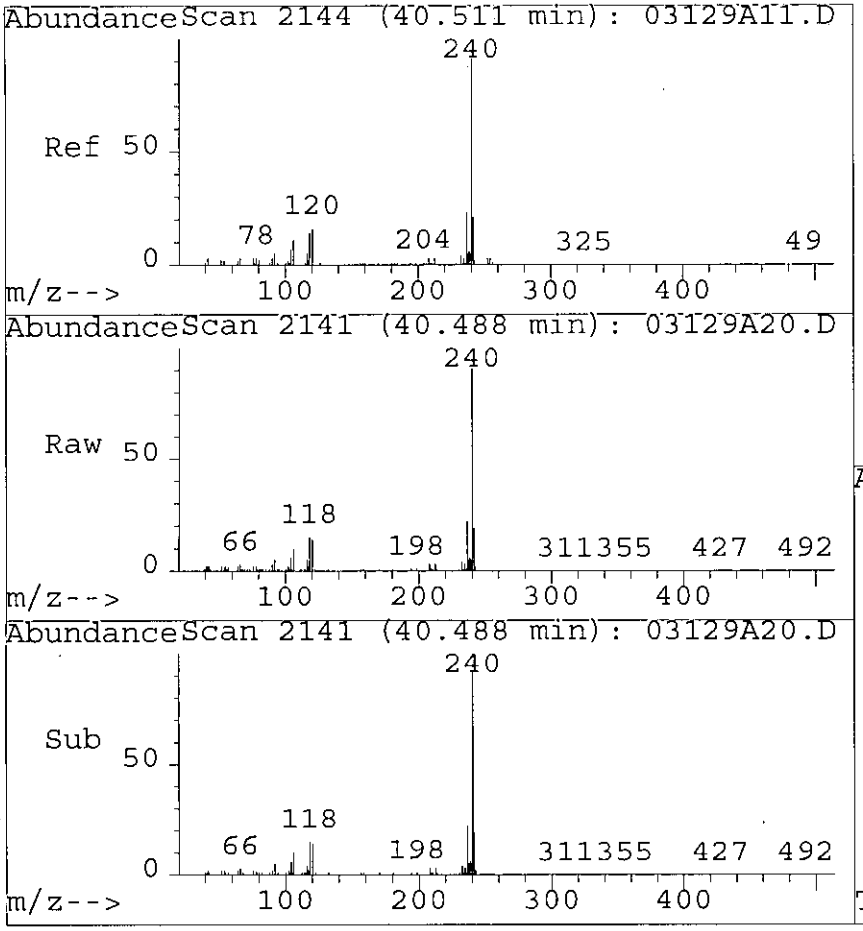


#72
HEPTACHLOR EPOXIDE
Concen: 6.33 ug/ml
RT: 35.27 min Scan# 1768
Delta R.T. -0.01 min
Lab File: 03129a20.d
Acq: 13 Mar 99 8:26 pm

Tgt Ion:81 Resp: 3267

Ion	Ratio	Lower	Upper
81	100		
353	4.1	32.2	48.3#
355	0.0	30.8	46.1#
0	0.0	0.0	0.0

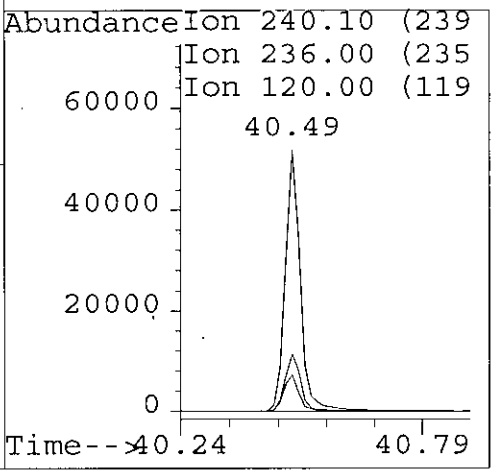


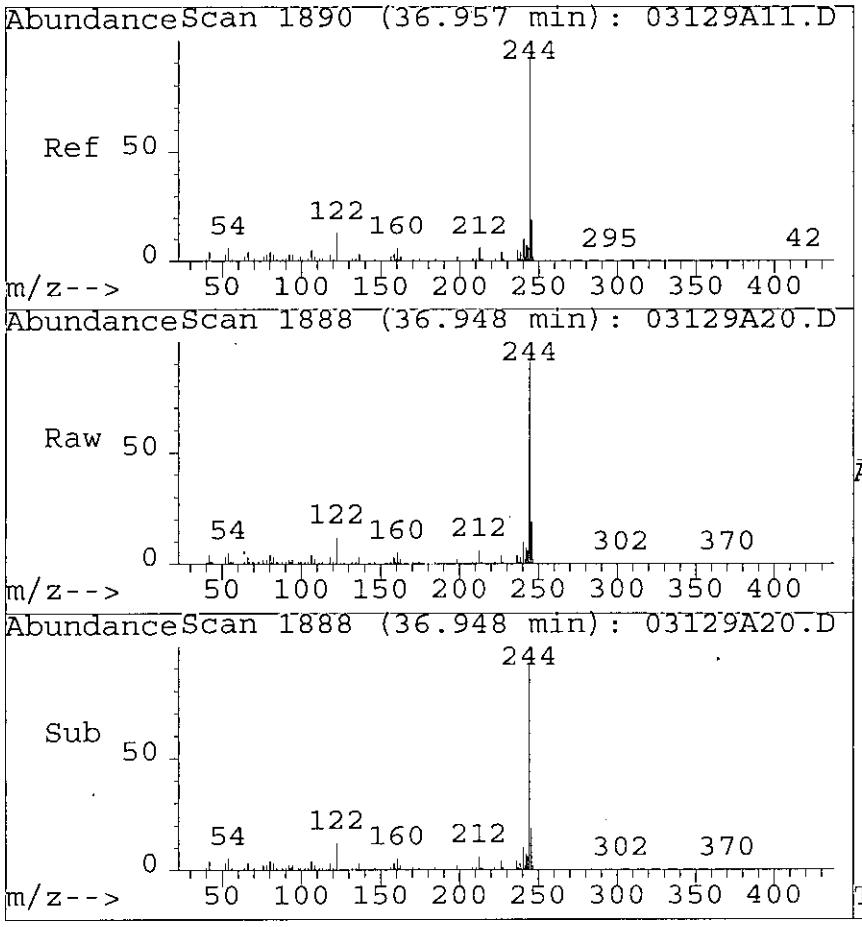


#74
CHRYSENE-D12
Concen: 40.00 ug/ml
RT: 40.49 min Scan# 2141
Delta R.T. -0.02 min
Lab File: 03129a20.d
Acq: 13 Mar 99 8:26 pm

Tgt Ion:240.1 Resp: 123491

Ion	Ratio	Lower	Upper
240	100		
236	22.0	20.6	30.9
120	13.9	17.5	26.2#
0	0.0	0.0	0.0

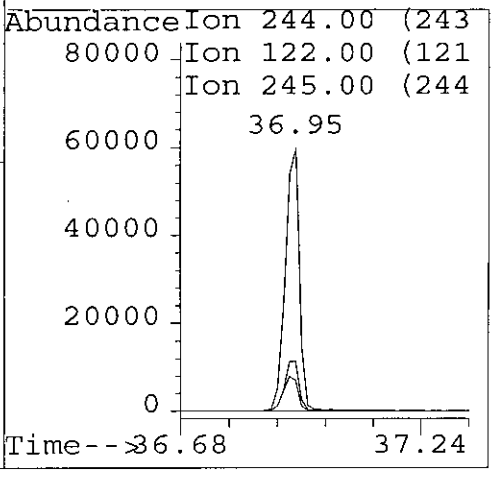


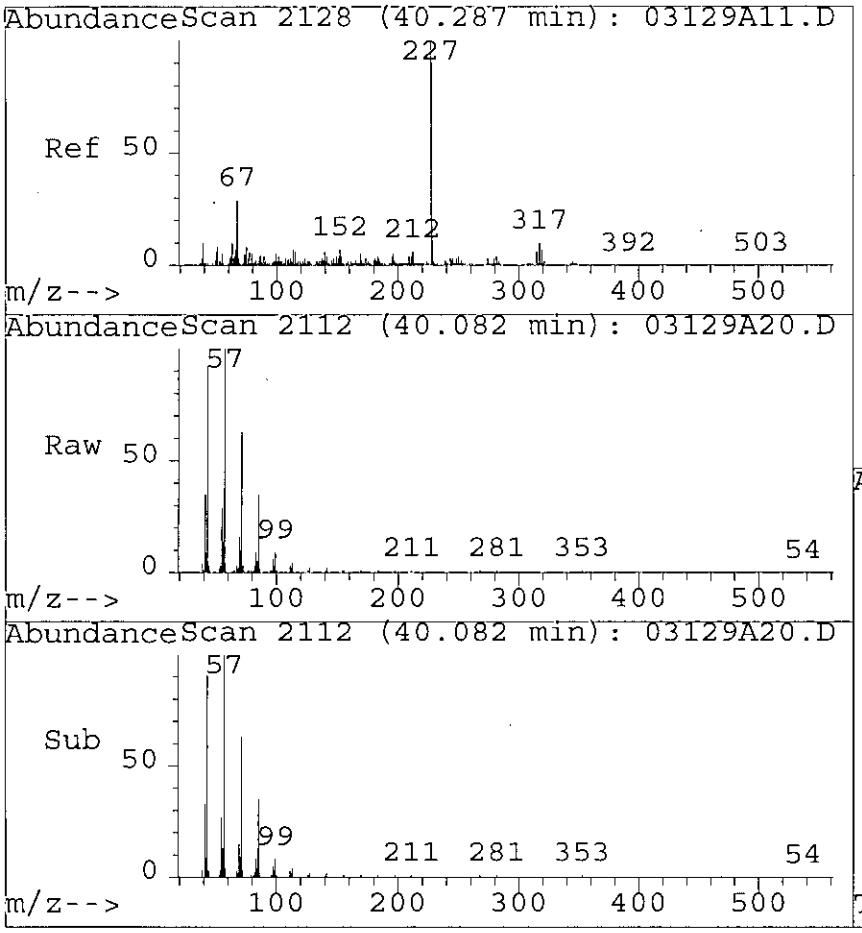


#78
P-TERPHENYL-D14
Concen: 45.02 ug/ml
RT: 36.95 min Scan# 1888
Delta R.T. -0.01 min
Lab File: 03129a20.d
Acq: 13 Mar 99 8:26 pm

Tgt Ion:244 Resp: 137244

Ion	Ratio	Lower	Upper
244	100		
122	11.8	15.3	23.0#
245	19.0	15.6	23.3
0	0.0	0.0	0.0

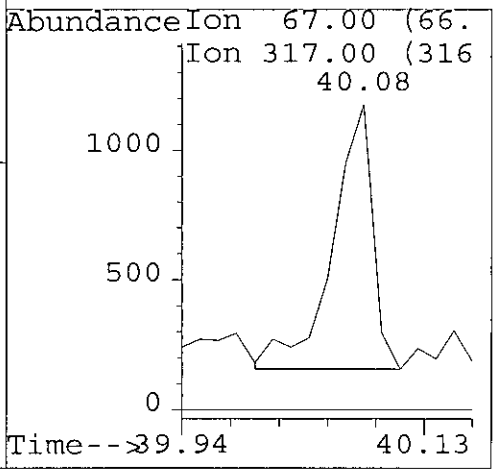


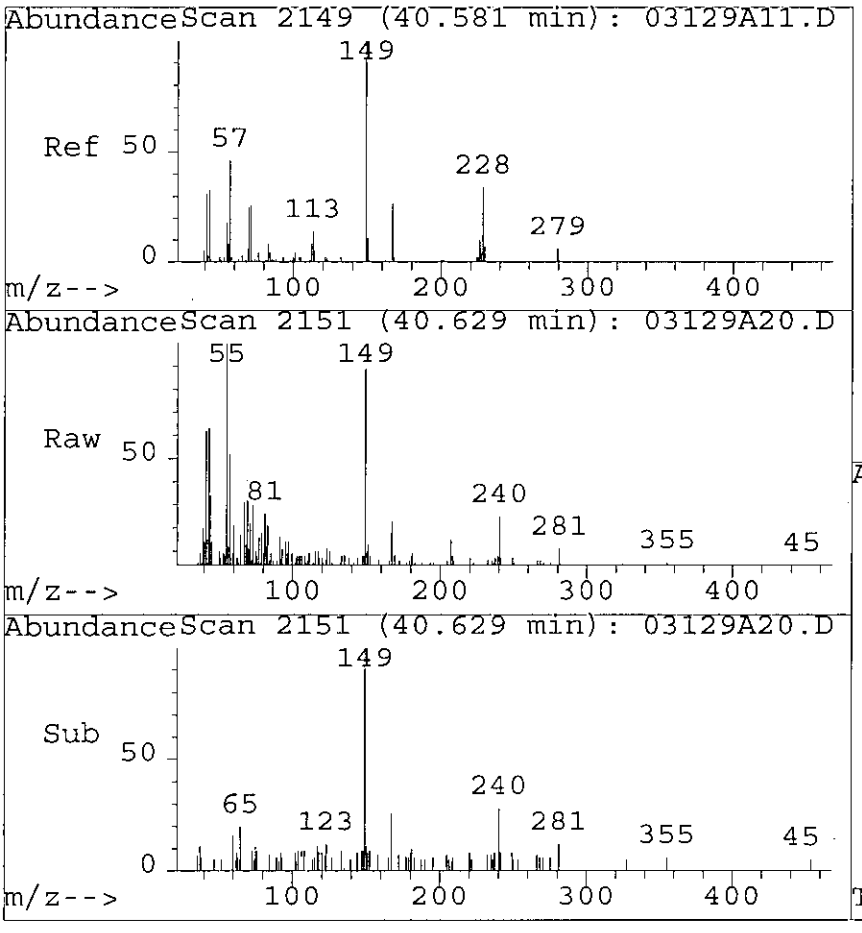


#87
ENDRIN KETONE
Concen: 4.16 ug/ml
RT: 40.08 min Scan# 2112
Delta R.T. -0.20 min
Lab File: 03129a20.d
Acq: 13 Mar 99 8:26 pm

Tgt Ion:67 Resp: 2208

Ion	Ratio	Lower	Upper
67	100		
317	0.0	17.7	26.6#
0	0.0	0.0	0.0
0	0.0	0.0	0.0

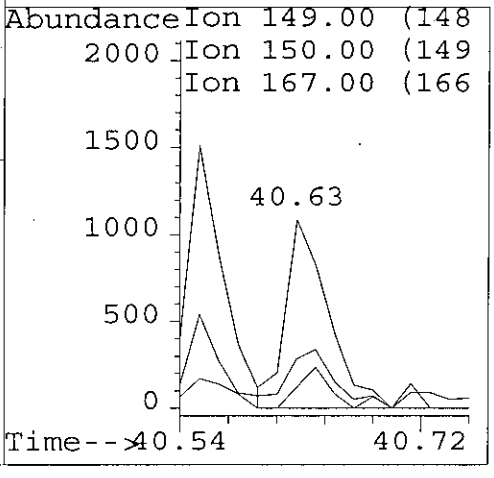


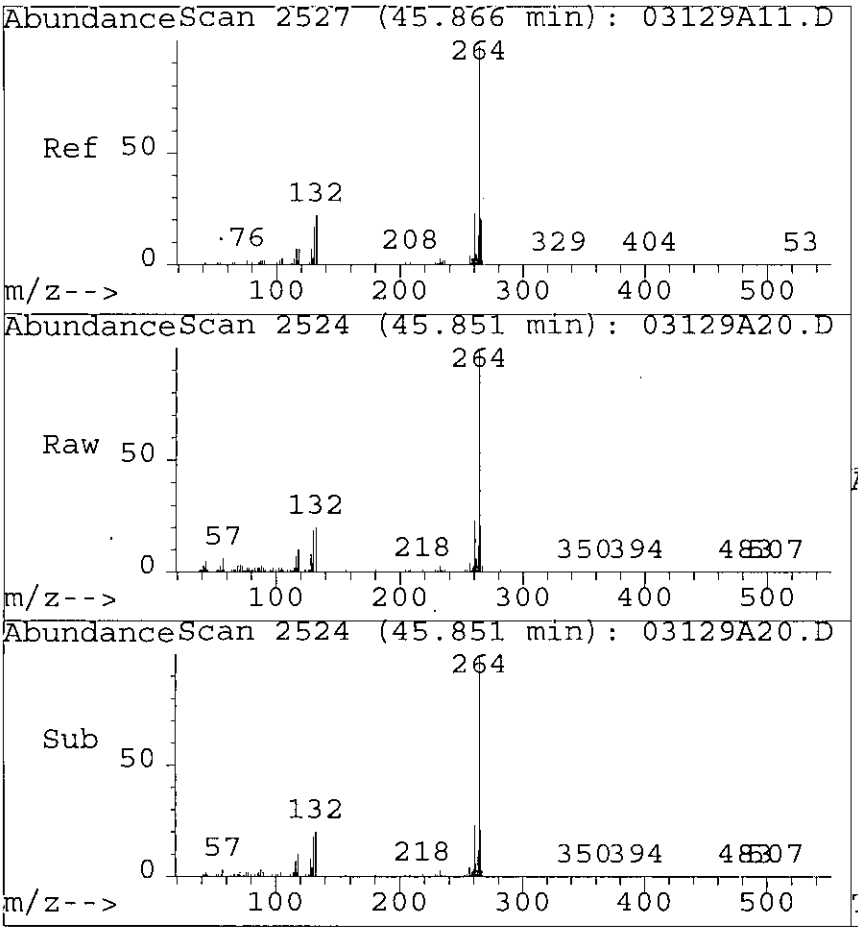


#91
BIS(2-ETHYLHEXYL)PHTHALATE
Concen: 0.82 ug/ml
RT: 40.63 min Scan# 2151
Delta R.T. 0.05 min
Lab File: 03129a20.d
Acq: 13 Mar 99 8:26 pm

Tgt Ion:149 Resp: 2341

Ion	Ratio	Lower	Upper
149	100		
150	11.2	9.5	14.2
167	26.4	20.5	30.7
0	0.0	0.0	0.0

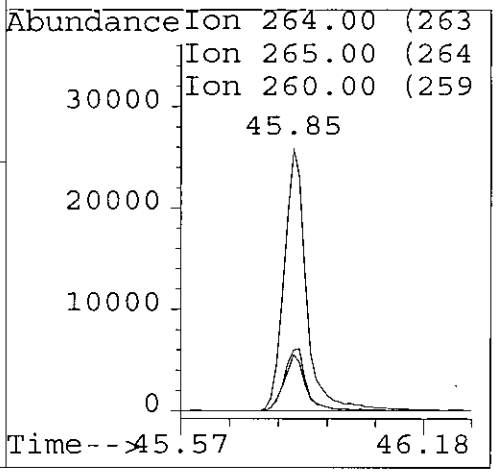




#92
PERYLENE-D12
Concen: 40.00 ug/ml
RT: 45.85 min Scan# 2524
Delta R.T. -0.01 min
Lab File: 03129a20.d
Acq: 13 Mar 99 8:26 pm

Tgt Ion:264 Resp: 99484

Ion	Ratio	Lower	Upper
264	100		
265	21.5	17.1	25.6
260	23.0	19.3	28.9
0	0.0	0.0	0.0



TIC: 03129A20.D

67829 1:2

Peak#	Ret Time	Type	Width	Area	Start Time	End Time
1	11.394	rBV	0.265	450787	11.324	11.590
2	12.414	rBV	0.363	452396-S	12.316	12.679
3	12.903	rVB	0.140	17653	12.889	13.029
4	13.127	rBV	0.140	12377	13.071	13.211
5	15.280	rBV	0.336	630031-S	15.210	15.545
6	15.629	rVV	0.252	576607-S	15.545	15.797
7	15.881	rVB	0.196	24000	15.811	16.007
8	16.272	rBV	0.252	267593-IS	16.146	16.398
9	16.762	rVB	0.168	236461-S	16.692	16.860
10	17.251	rBV	0.056	13261	17.223	17.279
11	17.824	rBV	0.266	42832	17.712	17.978
12	18.118	rBV	0.252	264423-S	18.048	18.300
13	20.426	rVB	0.322	353850-IS	20.342	20.664
14	21.251	rVB	0.210	34438	21.209	21.419
15	22.774	rVB	0.126	12578	22.718	22.844
16	23.096	rBV	0.126	56487	23.040	23.166
17	23.208	rVB	0.154	25792	23.166	23.320
18	23.753	rBV	0.098	12821	23.725	23.823
19	23.991	rVV	0.154	22021	23.893	24.047
20	24.103	rVV	0.154	350669-S	24.047	24.200
21	24.271	rVB	0.140	14902	24.256	24.396
22	24.452	rBV	0.140	19438	24.396	24.536
23	24.718	rVB	0.210	109360	24.648	24.858
24	25.543	rVB	0.182	186039-T	25.460	25.641
25	25.851	rVB	0.140	15468	25.795	25.935
26	26.369	rVB	0.322	357893-IS	26.257	26.579
27	26.733	rBV	0.112	13263	26.662	26.774
28	27.670	rBV	0.322	299200	27.446	27.768
29	27.838	rVV	0.112	173165	27.782	27.894
30	27.964	rVB	0.196	124034	27.922	28.117
31	29.111	rBV	0.336	499952-S	29.013	29.349
32	29.783	rBV	0.126	13163	29.727	29.852
33	30.328	rBV	0.182	28774	30.230	30.412
34	30.538	rVV	0.322	271356	30.427	30.748
35	30.819	rVB	0.252	77082	30.748	31.000
36	31.476	rBV	0.182	398145-IS	31.392	31.574
37	31.644	rVB	0.140	85204	31.602	31.742
38	32.008	rVB	0.112	30818	31.952	32.064
39	32.218	rVB	0.084	20090	32.190	32.274
40	32.414	rBV	0.182	38739	32.316	32.498
41	32.694	rBV	0.168	44657	32.624	32.792
42	33.449	rVB	0.196	85765	33.393	33.589
43	33.939	rBV	0.056	12887	33.911	33.967
44	34.037	rVB	0.154	49991	33.967	34.121
45	34.233	rBV	0.224	88023	34.163	34.387
46	35.282	rVB	0.112	93699	35.212	35.324
47	35.478	rBV	0.182	29331	35.380	35.562
48	35.646	rBV	0.056	15973	35.618	35.674
49	35.800	rBV	0.084	70821	35.758	35.842
50	36.136	rBV	0.154	80410	36.080	36.234
51	36.556	rVB	0.196	146754	36.486	36.682
52	36.934	rBV	0.154	403967-S	36.864	37.018
53	37.774	rVB	0.154	225098	37.704	37.857
54	38.431	rVV	0.084	14349	38.403	38.487
55	38.515	rVV	0.070	13026	38.487	38.557

56	38.795	rBV	0.112	23322	38.753	38.865
57	38.949	rVB	0.140	304574	38.879	39.019
58	39.369	rVB	0.084	19325	39.341	39.425
59	39.663	rBV	0.084	17669	39.621	39.705
60	39.775	rVB	0.098	16373	39.747	39.845
61	40.082	rVB	0.196	333298	40.012	40.208
62	40.488	rVB	0.238	386262-IS	40.432	40.671
63	40.755	rBV	0.084	22104	40.727	40.811
64	40.867	rVV	0.140	26748	40.824	40.965
65	41.161	rVV	0.168	378275	41.091	41.259
66	41.819	rBV	0.140	71709	41.735	41.875
67	41.959	rVB	0.098	23051	41.903	42.001
68	42.043	rBV	0.070	23663	42.001	42.071
69	42.113	rVB	0.098	61310	42.071	42.169
70	42.253	rVV	0.154	397750	42.183	42.337
71	42.365	rVB	0.098	17850	42.337	42.435
72	42.491	rVB	0.098	27634	42.449	42.548
73	42.576	rBV	0.140	26573	42.548	42.688
74	42.982	rVV	0.098	16259	42.940	43.038
75	43.108	rVB	0.112	22778	43.066	43.178
76	43.444	rBV	0.168	362098	43.360	43.528
77	43.709	rVB	0.182	30907	43.667	43.849
78	44.241	rVB	0.070	15190	44.213	44.283
79	44.493	rVB	0.168	25137	44.451	44.619
80	44.760	rVB	0.210	344534	44.689	44.899
81	45.095	rBV	0.112	16318	45.053	45.165
82	45.473	rVB	0.084	12298	45.431	45.515
83	45.571	rVV	0.098	22449	45.529	45.627
84	45.683	rVB	0.112	22397	45.641	45.753
85	45.851	rBV	0.266	321575-IS	45.753	46.019
86	46.271	rBV	0.182	298912	46.187	46.369
87	46.691	rVB	0.154	19750	46.649	46.803
88	47.335	rVB	0.126	12922	47.293	47.419
89	47.531	rVB	0.112	21335	47.503	47.615
90	48.035	rBV	0.224	281924	47.937	48.161
91	48.273	rVB	0.224	66949	48.161	48.385
92	48.720	rVB	0.154	29732	48.651	48.804
93	49.308	rVB	0.140	20256	49.266	49.406
94	50.148	rVB	0.392	349728	50.036	50.428
95	51.477	rVB	0.126	16289	51.435	51.561
96	51.645	rBV	0.140	20143	51.561	51.701
97	52.652	rBV	0.252	200605	52.540	52.792
98	53.450	rBV	0.140	14267	53.365	53.505
99	55.674	rBV	0.378	198974	55.436	55.814
100	58.641	rBV	0.126	12347	58.571	58.697

Library Search Compound Report

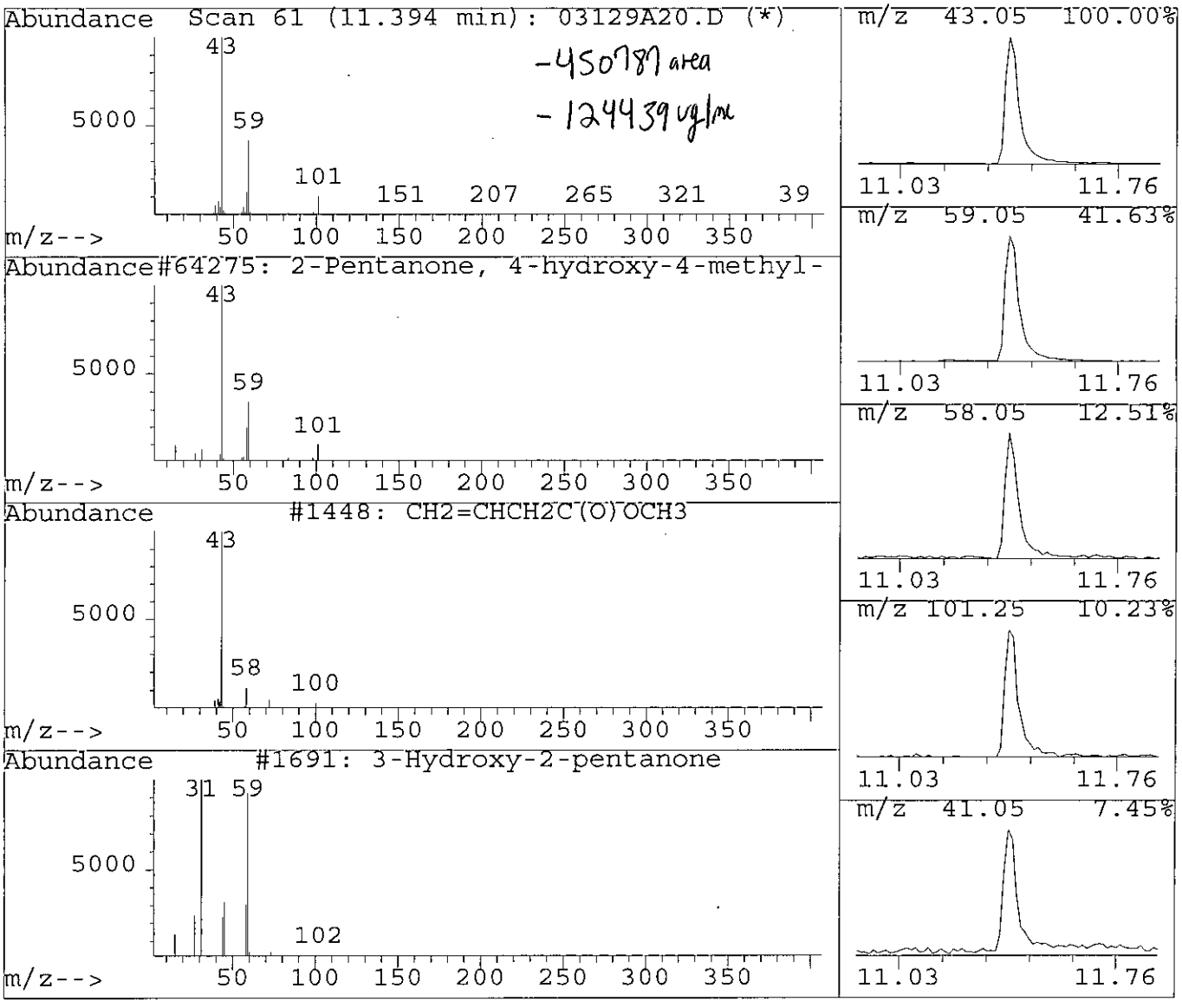
Data File : C:\HPCHEM\1\DATA\03129A20.D
Acq On : 13 Mar 99 8:26 pm
Sample : 67829 1:2
Misc : American Glue & Resin P#99187

Vial: 20
Operator: ESAT
Inst : 5988
Multiplr: 1846.72

Method : C:\HPCHEM\1\METHODS\03129A02.M
Title : semivolatiles
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	R.T.
11.39	125746.84 ug/ml	455523	1,4-DICHLOROBENZENE-D4	16.27

Hit# of 20	Tentative ID	Ref#	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	64275	000123-42-2	50
2	CH2=CHCH2C(O)OCH3	1448	003724-55-8	12
3	3-Hydroxy-2-pentanone	1691	003142-66-3	9
4	2-Propanone, 1-(1-methylethoxy)-	3286	042781-12-4	9
5	Formamide, N,N-diethyl-	1629	000617-84-5	7



Library Search Compound Report

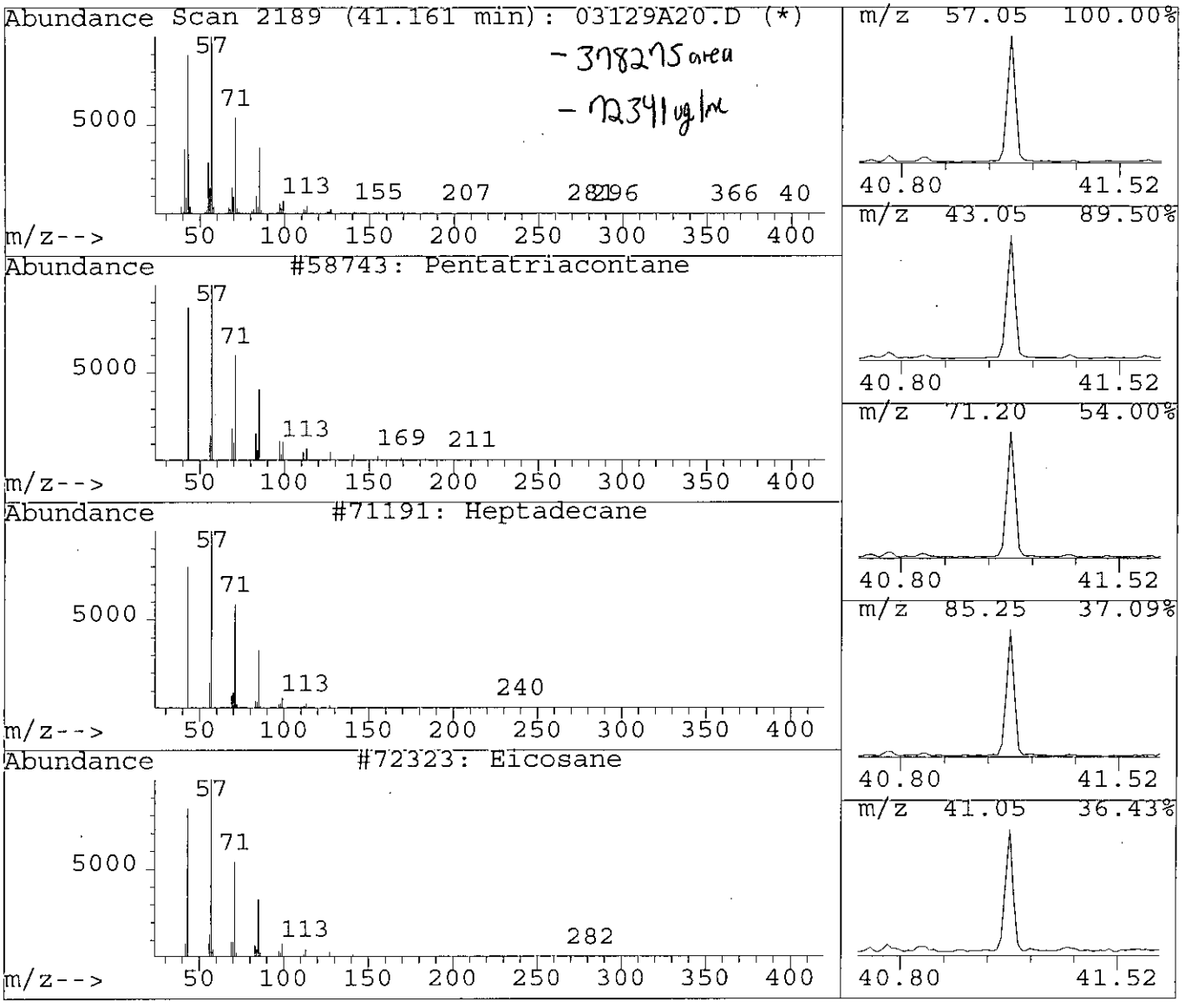
Data File : C:\HPCHEM\1\DATA\03129A20.D
Acq On : 13 Mar 99 8:26 pm
Sample : 67829 1:2
Misc : American Glue & Resin P#99187

Vial: 20
Operator: ESAT
Inst : 5988
Multiplr: 1846.72

Method : C:\HPCHEM\1\METHODS\03129A02.M
Title : semivolatiles
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	R.T.
41.16	70209.12 ug/ml	367125	CHRYSENE-D12	40.49

Hit# of 20	Tentative ID	Ref#	CAS#	Qual
1	Pentatriacontane	58743	000630-07-9	91
2	Heptadecane	71191	000629-78-7	91
3	Eicosane	72323	000112-95-8	90
4	Pentacosane	49559	000629-99-2	90
5	Docosane, 7-butyl-	51006	055282-15-0	87



Library Search Compound Report

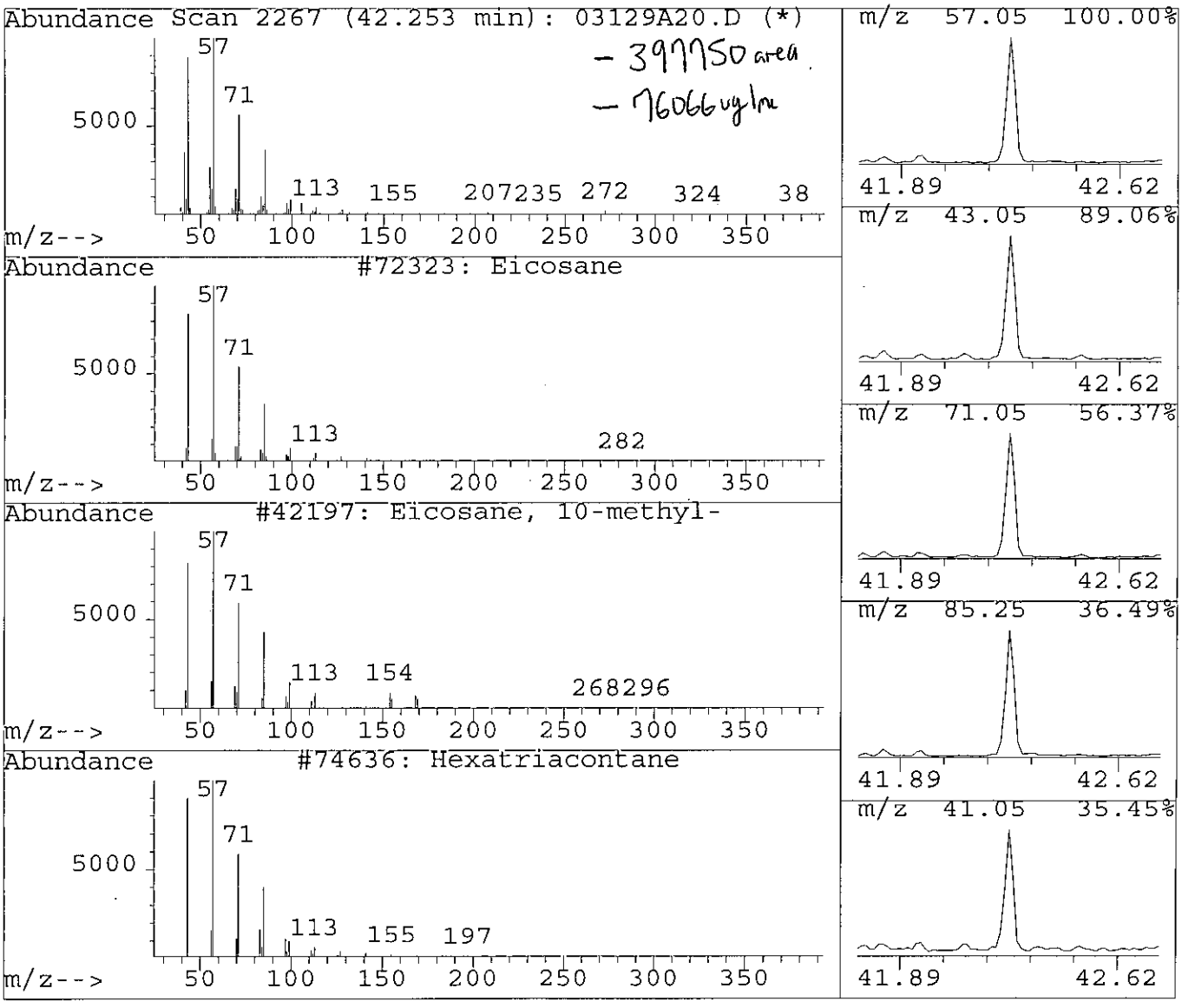
Data File : C:\HPCHEM\1\DATA\03129A20.D
Acq On : 13 Mar 99 8:26 pm
Sample : 67829 1:2
Misc : American Glue & Resin P#99187

Vial: 20
Operator: ESAT
Inst : 5988
Multiplr: 1846.72

Method : C:\HPCHEM\1\METHODS\03129A02.M
Title : semivolatiles
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	R.T.
42.25 ✓	74827.38 ug/ml	391274 ✓	CHRYSENE-D12	40.49

Hit# of 20	Tentative ID	Ref#	CAS#	Qual
1	Eicosane	72323	000112-95-8	91 ✓
2	Eicosane, 10-methyl-	42197	054833-23-7	90
3	Hexatriacontane	74636	000630-06-8	90
4	Tetracosane	73543	000646-31-1	90
5	Heneicosane	42201	000629-94-7	90



Library Search Compound Report

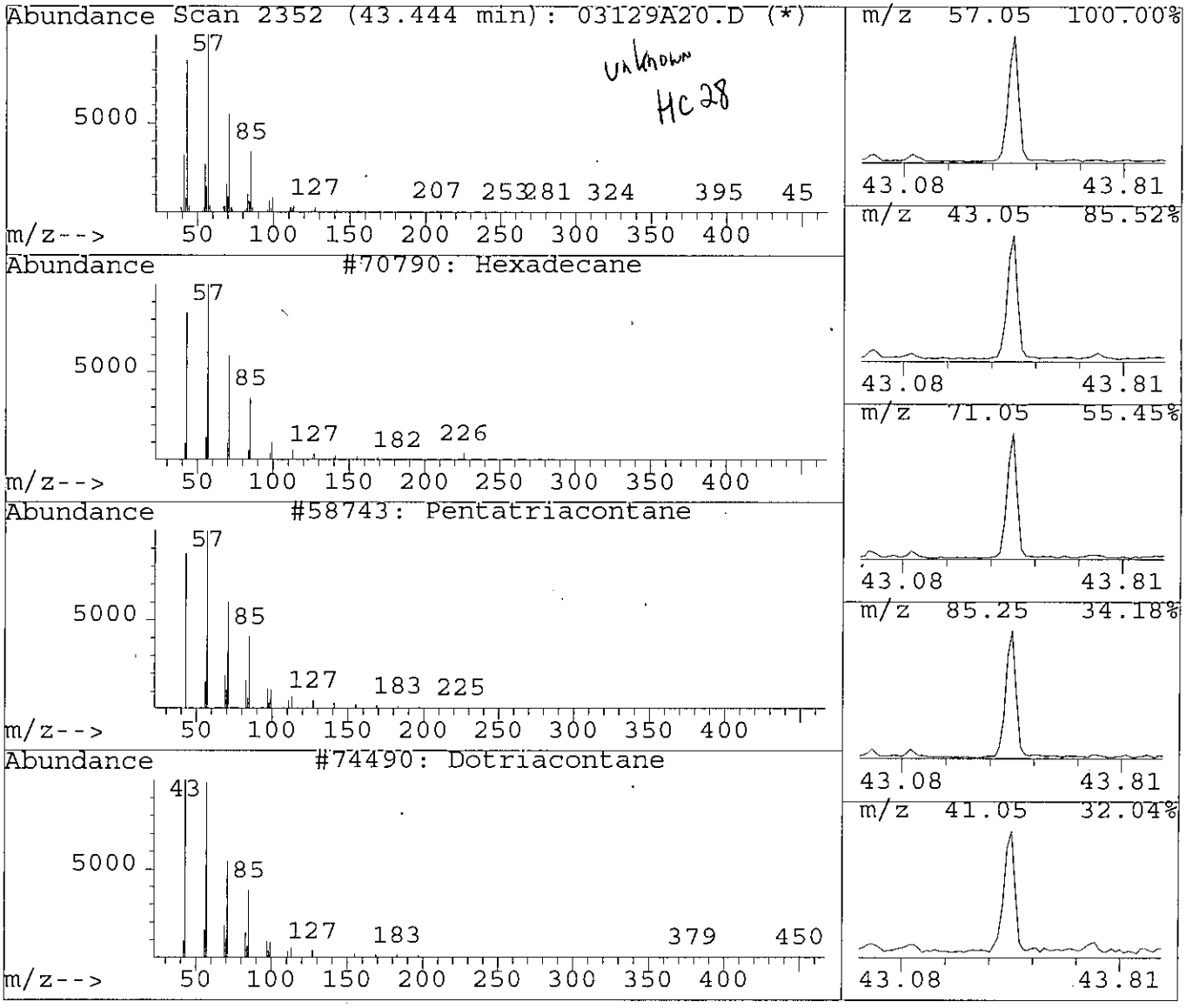
Data File : C:\HPCHEM\1\DATA\03129A20.D
Acq On : 13 Mar 99 8:26 pm
Sample : 67829 1:2
Misc : American Glue & Resin P#99187

Vial: 20
Operator: ESAT
Inst : 5988
Multiplr: 1846.72

Method : C:\HPCHEM\1\METHODS\03129A02.M
Title : semivolatiles
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	R.T.
43.44	86562.38 ug/ml	362098	PERYLENE-D12	45.85

Hit# of 20	Tentative ID	Ref#	CAS#	Qual
1	Hexadecane	70790	000544-76-3	96
2	Pentatriacontane	58743	000630-07-9	91
3	Dotriacontane	74490	000544-85-4	91
4	Eicosane	72323	000112-95-8	91
5	Hexatriacontane	74636	000630-06-8	90



Library Search Compound Report

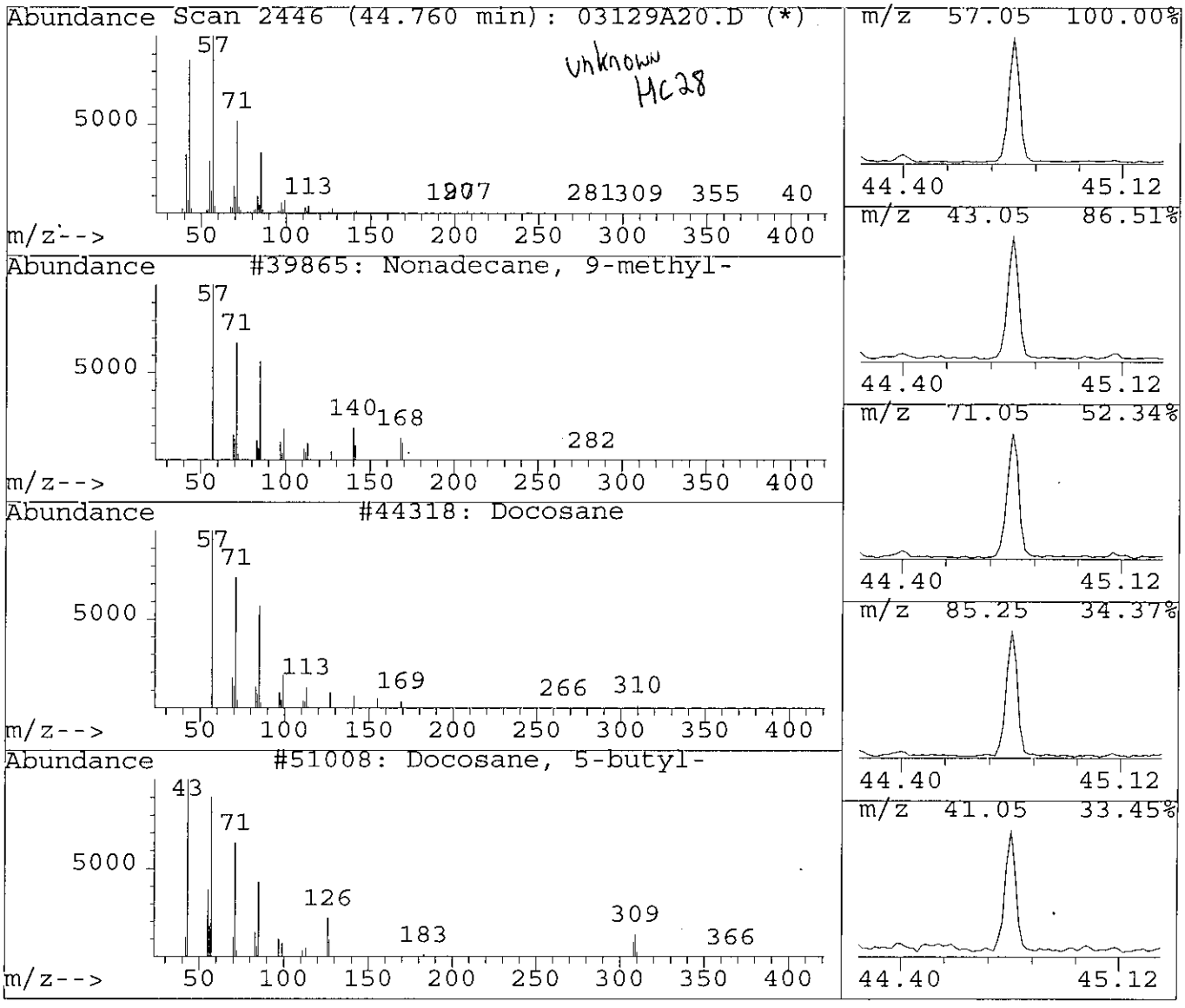
Data File : C:\HPCHEM\1\DATA\03129A20.D
Acq On : 13 Mar 99 8:26 pm
Sample : 67829 1:2
Misc : American Glue & Resin P#99187

Vial: 20
Operator: ESAT
Inst : 5988
Multiplr: 1846.72

Method : C:\HPCHEM\1\METHODS\03129A02.M
Title : semivolatiles
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	R.T.
44.76	82363.57 ug/ml	344534	PERYLENE-D12	45.85

Hit# of 20	Tentative ID	Ref#	CAS#	Qual
1	Nonadecane, 9-methyl-	39865	013287-24-6	95
2	Docosane	44318	000629-97-0	90
3	Docosane, 5-butyl-	51008	055282-16-1	87
4	Hexatriacontane	74636	000630-06-8	87
5	Dotriacontane	74492	000544-85-4	86



Library Search Compound Report

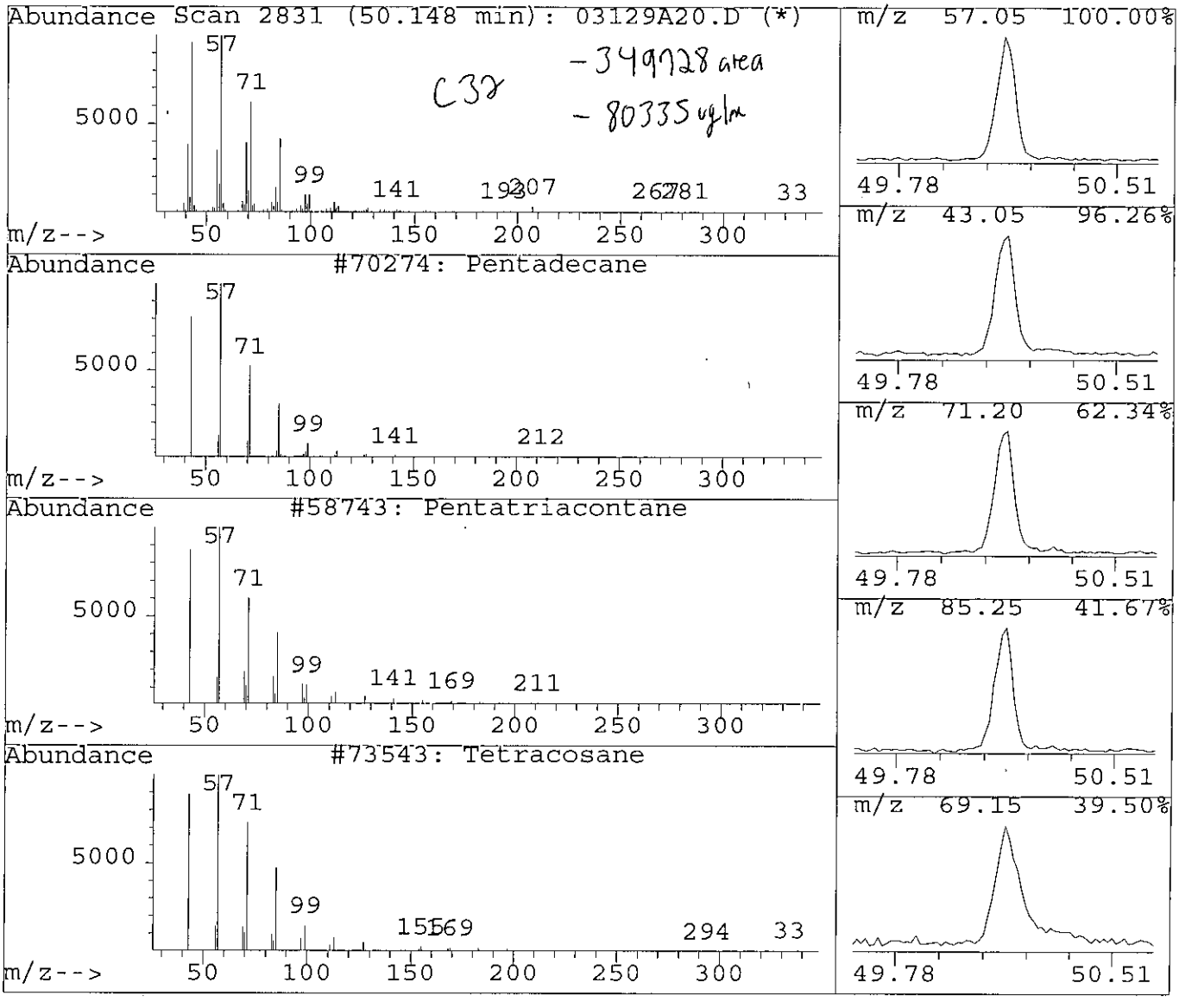
Data File : C:\HPCHEM\1\DATA\03129A20.D
Acq On : 13 Mar 99 8:26 pm
Sample : 67829 1:2
Misc : American Glue & Resin P#99187

Vial: 20
Operator: ESAT
Inst : 5988
Multiplr: 1846.72

Method : C:\HPCHEM\1\METHODS\03129A02.M
Title : semivolatiles
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	R.T.
50.15	83167.28 ug/ml	347896	PERYLENE-D12	45.85

Hit# of 20	Tentative ID	Ref#	CAS#	Qual
1	Pentadecane	70274	000629-62-9	96
2	Pentatriacontane	58743	000630-07-9	83
3	Tetracosane	73543	000646-31-1	81
4	Heptadecane, 2,6,10,15-tetramethyl-	42196	054833-48-6	81
5	Eicosane	39862	000112-95-8	80



1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

S67830

Lab EPA REG 1 Contract:

Proj 99187 Site: AMERICAN Location: Group:

Matrix: (soil/wat SOIL Lab Sample ID: S67830

Wt Sample wt/vol: 5.2 (g/mL) G Lab File ID: 03129A12.D

Day 4.1g Date Collected: 3/2/99

Level: (low/m MED Date Received: 3/3/99

% 20 decanted: (Y/N): Y Date Extracted: 3/9/99

Concentrated Extract Volume 2000 (uL) Date Analyzed: 3/13/99

Injection Volume 1.0 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y N pH: 0 Report Factor: 14.5

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
62-53-3	ANILINE	48000	UD
108-95-2	PHENOL	48000	UD
111-44-4	BIS(2-CHLOROETHYL) ETHER	48000	UD
95-57-8	2-CHLOROPHENOL	48000	UD
541-73-1	1,3-DICHLOROBENZENE	48000	UD
106-46-7	1,4-DICHLOROBENZENE	48000	UD
100-51-6	BENZYL ALCOHOL	48000	UD
95-50-1	1,2-DICHLOROBENZENE	48000	UD
95-48-7	2-METHYLPHENOL	48000	UD
108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	48000	UD
106-44-5	4-METHYLPHENOL	48000	UD
621-64-7	N-NITROSODIPROPYLAMINE	48000	UD
67-72-1	HEXACHLOROETHANE	48000	UD
98-95-3	NITROBENZENE	48000	UD
78-59-1	ISOPHORONE	48000	UD
88-75-5	2-NITROPHENOL	48000	UD
105-67-9	2,4-DIMETHYLPHENOL	48000	UD
111-91-1	BIS(2-CHLOROETHOXY)METHANE	48000	UD
65-85-0	BENZOIC ACID	48000	UD
120-83-2	2,4-DICHLOROPHENOL	48000	UD
120-82-1	1,2,4-TRICHLOROBENZENE	48000	UD
91-20-3	NAPHTHALENE	48000	UD
106-47-8	4-CHLOROANILINE	48000	UD
87-68-3	HEXACHLOROBUTADIENE	48000	UD
59-50-7	4-CHLORO-3-METHYLPHENOL	48000	UD
91-57-6	2-METHYLNAPHTHALENE	48000	UD
77-47-4	HEXACHLOROCYCLOPENTADIENE	48000	UD
88-06-2	2,4,6-TRICHLOROPHENOL	48000	UD
95-95-4	2,4,5-TRICHLOROPHENOL	48000	UD
91-58-7	2-CHLORONAPHTHALENE	48000	UD
88-74-4	2-NITROANILINE	48000	UD
131-11-3	DIMETHYLPHTHALATE	48000	UD
208-96-8	ACENAPHTHYLENE	48000	UD

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

S67830

Lab EPA REG 1 Contract:

Proj 99187 Site: AMERICAN Location: Group:

Matrix: (soil/wat SOIL Lab Sample ID: S67830

Sample wt/vol: 5.2 (g/mL) G Lab File ID: 03129A12.D

Level: (low/m MED Date Received: 3/3/99

% 20 decanted: (Y/N): Y Date Extracted: 3/9/99

Concentrated Extract Volume 2000 (uL) Date Analyzed: 3/13/99

Injection Volume 1.0 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y N pH: 0

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
606-20-2	2,6-DINITROTOLUENE	48000	UD
99-09-2	3-NITROANILINE	48000	UD
83-32-9	ACENAPHTHENE	48000	UD
51-28-5	2,4-DINITROPHENOL	48000	UD
132-64-9	DIBENZOFURAN	48000	UD
100-02-7	4-NITROPHENOL	48000	UD
121-14-2	2,4-DINITROTOLUENE	48000	UD
84-66-2	DIETHYLPHTHALATE	48000	UD
86-73-7	FLUORENE	48000	UD
7005-72-3	4-CHLOROPHENYL-PHENYLETHER	48000	UD
100-01-6	4-NITROANILINE	48000	UD
534-52-1	4,6-DINITRO-2-METHYLPHENOL	48000	UD
86-30-6	N-NITROSODIPHENYLAMINE	48000	UD
103-33-3	DIPHENYLHYDRAZINE(AZOBENZENE)	48000	UD
101-55-3	4-BROMOPHENYL-PHENYLETHER	48000	UD
319-84-6	BHC ISOMER (ALPHA)	48000	UD
118-74-1	HEXACHLOROBENZENE	48000	UD
319-85-7	BHC ISOMER (BETA)	48000	UD
87-86-5	PENTACHLOROPHENOL	48000	UD
58-89-9	LINDANE-BHC ISOMER (GAMA)	48000	UD
85-01-8	PHENANTHRENE	48000	UD
120-12-7	ANTHRACENE	48000	UD
319-86-8	BHC ISOMER (DELTA)	48000	UD
86-74-8	CARBAZOLE	48000	UD
76-44-8	HEPTACHLOR	48000	UD
84-74-2	DIBUTYLPHTHALATE	27000	L UD
309-00-2	ALDRIN	48000	UD
1024-57-3	HEPTACHLOR EPOXIDE	48000	UD
206-44-0	FLUORANTHENE	48000	UD
129-00-0	PYRENE	48000	UD
959-98-8	ENDOSULFAN I	48000	UD
72-55-9	P,P-DDE	48000	UD
60-57-1	DIELDRIN	48000	UD

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

S67830

Lab EPA REG 1 Contract:

Proj 99187 Site: AMERICAN Location: Group:

Matrix: (soil/wat SOIL Lab Sample ID: S67830

Sample wt/vol: 5.2 (g/mL) G Lab File ID: 03129A12.D

Level: (low/m MED Date Received: 3/3/99

% 20 decanted: (Y/N): Y Date Extracted: 3/9/99

Concentrated Extract Volume 2000 (uL) Date Analyzed: 3/13/99

Injection Volume 1.0 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y N pH: 0

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
72-20-8	ENDRIN	48000	UD
33213-65-9	ENDOSULFAN II	48000	UD
72-54-8	P,P-DDD	48000	UD
85-68-7	BUTYLBENZYLPHTHALATE	3E+06	D
50-29-3	P,P-DDT	48000	UD
1031-07-8	ENDOSULFAN SULFATE	48000	UD
72-43-5	METHOXYCHLOR	48000	UD
53494-70-5	ENDRIN KETONE	48000	UD
91-94-1	3,3-DICHCHLOROBENZIDINE	48000	UD
56-55-3	BENZ(A)ANTHRACENE	48000	UD
218-01-9	CHRYSENE	48000	UD
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	11000	UD
117-84-0	DI-N-OCTYLPHTHALATE	48000	UD
205-99-2	BENZO(B)FLUORANTHENE	48000	UD
207-08-9	BENZO(K)FLUORANTHENE	48000	UD
50-32-8	BENZO(A)PYRENE	48000	UD
193-39-5	INDENO(1,2,3-CD)PYRENE	48000	UD
53-70-3	DIBENZO(A,H)ANTHRACENE	48000	UD
191-24-2	BENZO(GHI)PERYLENE	48000	UD

step 2,700

QUANTITATION SHEET

SAMPLE NUMBER 67830

Tentatively Identified Compounds

SCAN NO.	COMPOUND	PROB. MATCH	CONC (ug/ml)	EST. C. (ug/kg)	CAS NO.	CHEM. FORM.
61	~~4-hydroxy-4-methyl-2-Pentanone~~	53	—	~~~60,000 AB~~	123-42-2	
2069	Octicizer	95	—	~30,000 J	1241-94-7	
2358	Dibenzyl phthalate	91	—	~200,000 BJ	523-31-9	
2827	unknown hydrocarbon - C32	—	—	~20,000 J	—	

~ = Approximate
< = Less than
> = Greater than
NA = Not available due to dilution or interference
E = Estimated value that exceeds the calibration range
L = Estimated value that is below the calibration range
B = Analyte associated with the lab, trip blank. Reported values are 5X higher than blank. Phthalates must be 10X.

Quantitation Report

Data File : C:\HPCHEM\1\DATA\03129A12.D
Acq On : 13 Mar 99 11:23 am
Sample : 67830(1:10)
Misc : American Glue & Resin P#99187
Quant Time: Mar 13 13:22 1999

Vial: 12
Operator: ESAT
Inst : 5988
Multiplr: 4830.92

Method : C:\HPCHEM\1\METHODS\03129A02.M
Title : semivolatiles
Last Update : Sat Mar 13 11:22:04 1999
Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DICHLOROBENZENE-D4	16.28	150	43711	40.00	ug/ml	0.00
19) NAPHTHALENE-D8	20.43	136	107179	40.00	ug/ml	0.00
34) ACENAPHTHENE-D10	26.38	164	57118	40.00	ug/ml	0.00
54) PHENANTHRENE-D10	31.48	188	105615	40.00	ug/ml	-0.01
74) CHRYSENE-D12	40.49	240	118510	40.00	ug/ml	-0.02
92) PERYLENE-D12	45.87	264	98797	40.00	ug/ml	0.00
System Monitoring Compounds						%Recovery
2) FLUOROPHENOL	12.58	112	7904	9.60	ug/ml	4.80%
4) PHENOL-D5	15.47	99	12435	10.10	ug/ml	5.05%
5) 2-CHLOROPHENOL-D4	15.72	132	8852	9.90	ug/ml	4.95%
12) 1,2-DICHLOROBENZENE-D4	16.78	150	3878	3.73	ug/ml	3.73%
20) NITROBENZENE-D5	18.29	82	5798	3.77	ug/ml	3.77%
38) FLUOROBIPHENYL	24.13	172	8211	4.35	ug/ml	4.35%
58) 2,4,6-TRIBROMOPHENOL	29.17	330	3635	8.37	ug/ml	4.19%
78) P-TERPHENYL-D14	36.95	244	13366	4.57	ug/ml	4.57%
Target Compounds						Qvalue
70) DIBUTYLPHTHALATE	33.54	149	21982	26668.26	ug/ml	100
83) BUTYLBENZYLPHTHALATE	38.74	149	1116709	2686657.33	ug/ml#	9
91) BIS(2-ETHYLHEXYL)PHTHALATE	40.56	149	6122	10758.88	ug/ml	98

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\03129A12.D
Acq On : 13 Mar 99 11:23 am
Sample : 67830(1:10)
Misc : American Glue & Resin P#99187
Quant Time: Mar 13 13:22 1999

Vial: 12
Operator: ESAT
Inst : 5988
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\03129A02.M
Title : semivolatiles
Last Update : Sat Mar 13 11:22:04 1999
Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DICHLOROBENZENE-D4	16.28	150	43711	40.00	ug/ml	0.00
19) NAPHTHALENE-D8	20.43	136	107179	40.00	ug/ml	0.00
34) ACENAPHTHENE-D10	26.38	164	57118	40.00	ug/ml	0.00
54) PHENANTHRENE-D10	31.48	188	105615	40.00	ug/ml	-0.01
74) CHRYSENE-D12	40.49	240	118510	40.00	ug/ml	-0.02
92) PERYLENE-D12	45.87	264	98797	40.00	ug/ml	0.00
System Monitoring Compounds						%Recovery
2) FLUOROPHENOL	12.58	112	7904	9.60	ug/ml	4.80%
4) PHENOL-D5	15.47	99	12435	10.10	ug/ml	5.05%
5) 2-CHLOROPHENOL-D4	15.72	132	8852	9.90	ug/ml	4.95%
12) 1,2-DICHLOROBENZENE-D4	16.78	150	3878	3.73	ug/ml	3.73%
20) NITROBENZENE-D5	18.29	82	5798	3.77	ug/ml	3.77%
38) FLUOROBIPHENYL	24.13	172	8211	4.35	ug/ml	4.35%
58) 2,4,6-TRIBROMOPHENOL	29.17	330	3635	8.37	ug/ml	4.19%
78) P-TERPHENYL-D14	36.95	244	13366	4.57	ug/ml	4.57%
Target Compounds						Qvalue
70) DIBUTYLPHTHALATE	33.54	149	21982	5.52	ug/ml	100
83) BUTYLBENZYLPHTHALATE	38.74	149	1116709	556.14	ug/ml#	94
91) BIS(2-ETHYLHEXYL)PHTHALATE	40.56	149	6122	2.23	ug/ml	98

Wet wt = 5.156
Dry wt = 4.140
% moist = 19.7
2ml FV
1:10 Dil
mult = 4830.917874

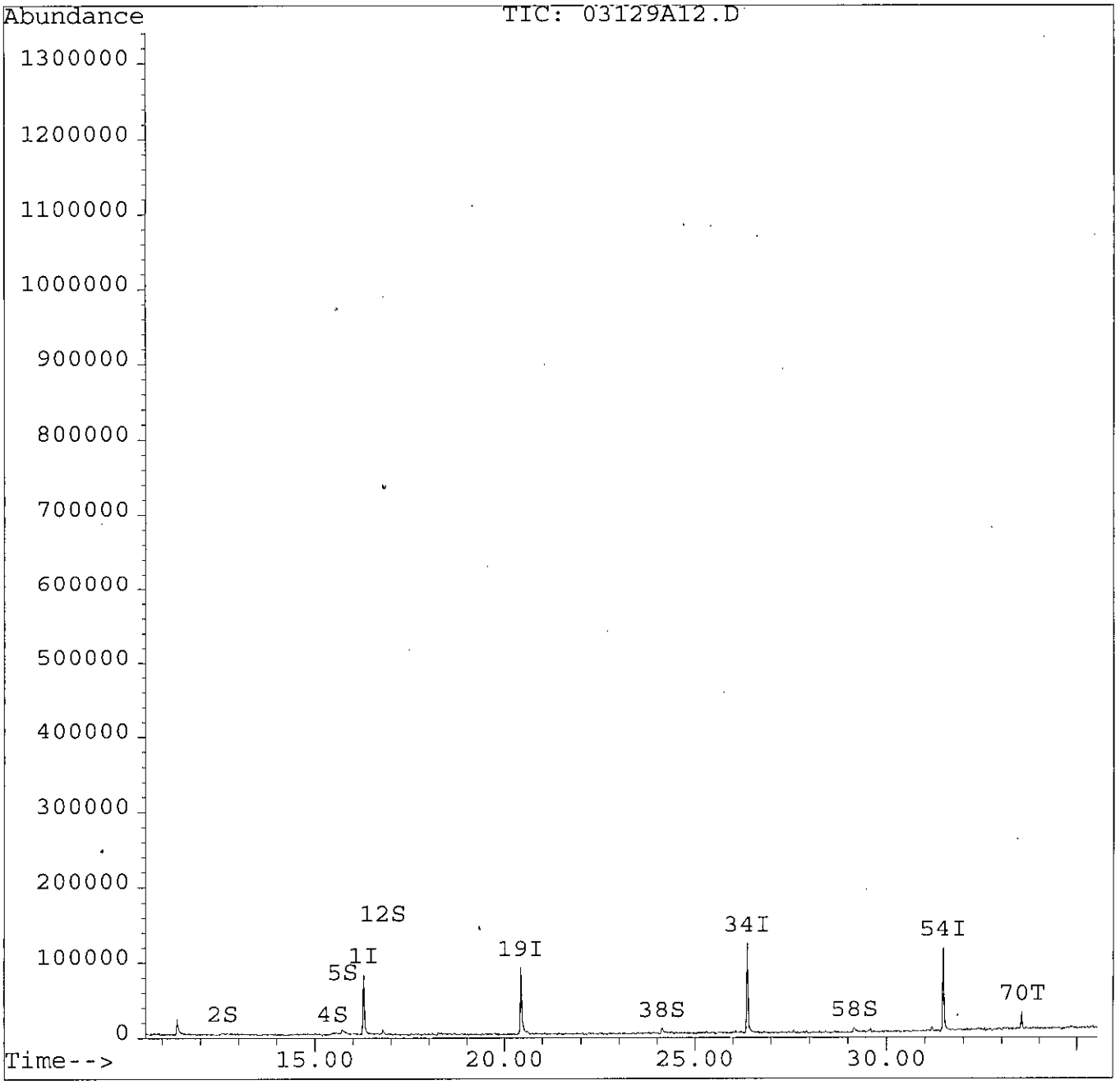
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\03129A12.D
Acq On : 13 Mar 99 11:23 am
Sample : 67830(1:10)
Misc : American Glue & Resin P#99187
Quant Time: Mar 13 12:32 1999

Vial: 12
Operator: ESAT
Inst : 5988
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\03129A02.M
Title : semivolatiles
Last Update : Sat Mar 13 11:22:04 1999
Response via : Single Level Calibration

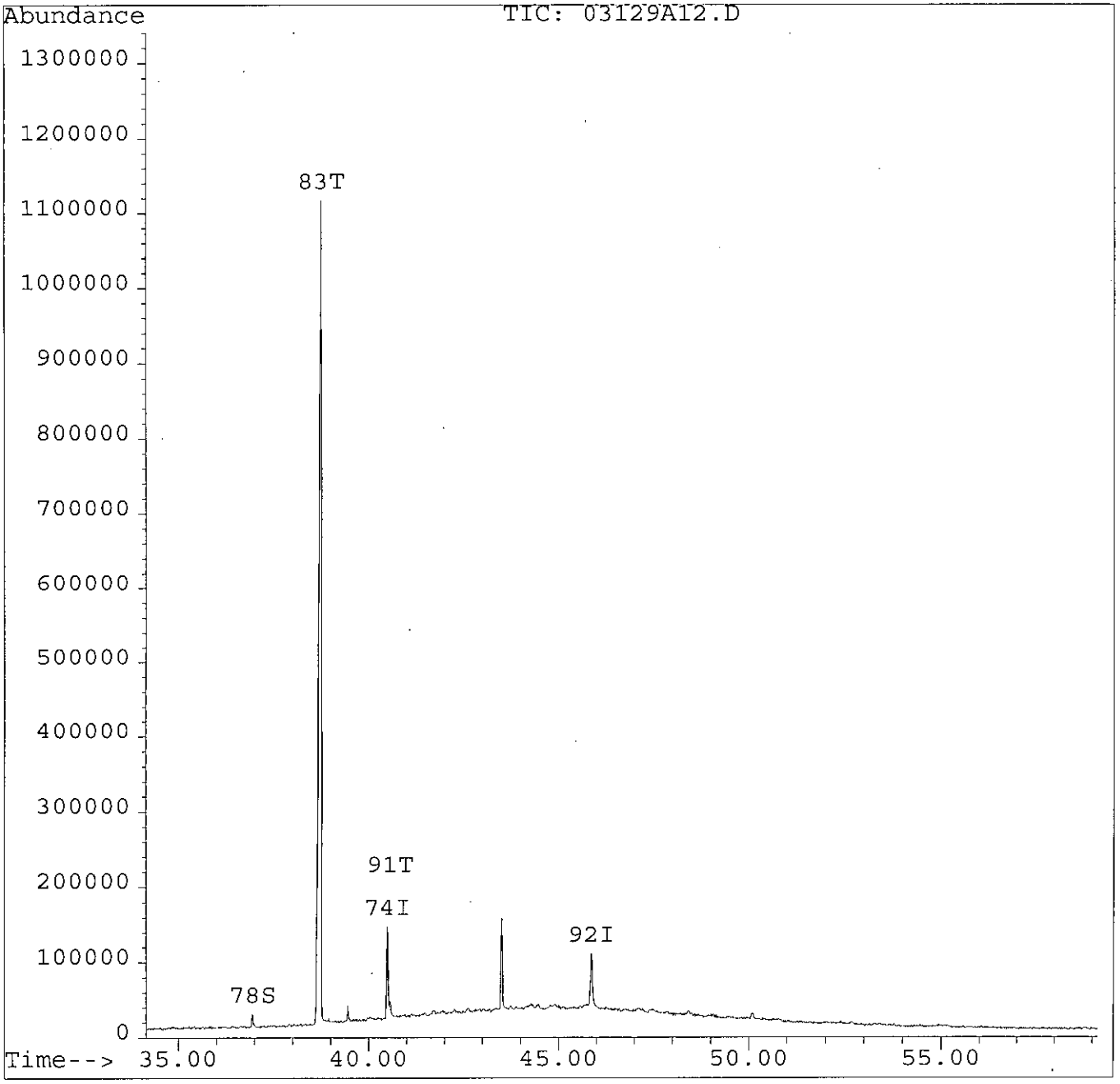


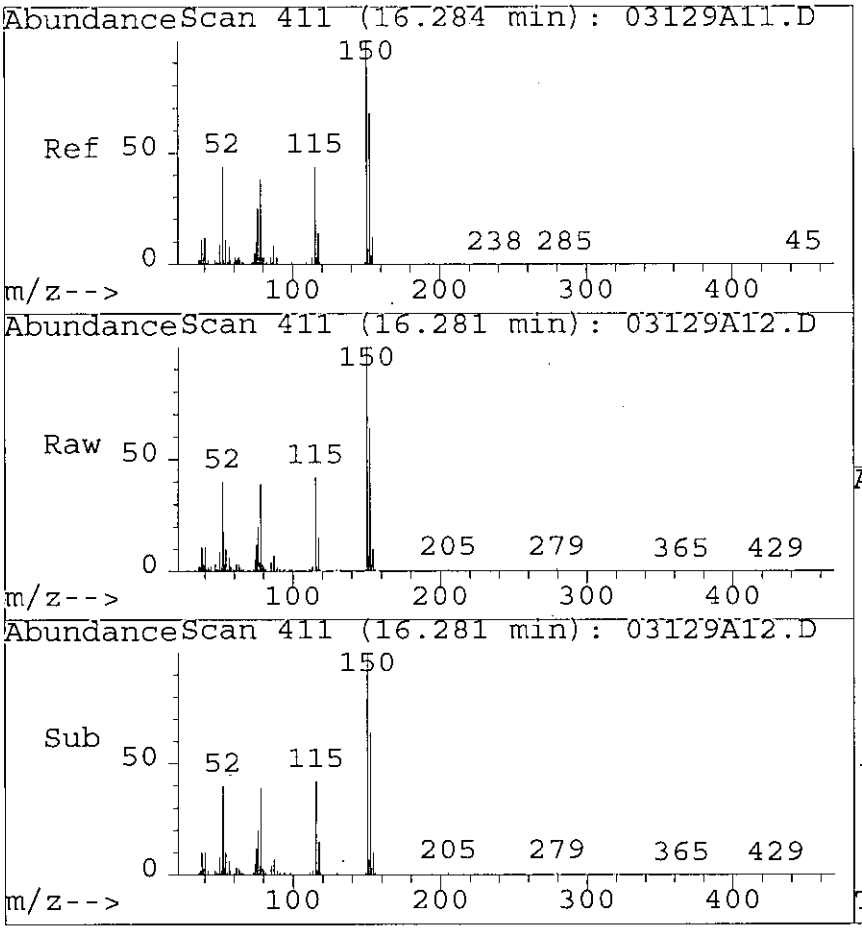
Quantitation Report

Data File : C:\HPCHEM\1\DATA\03129A12.D
Acq On : 13 Mar 99 11:23 am
Sample : 67830(1:10)
Misc : American Glue & Resin P#99187
Quant Time: Mar 13 12:32 1999

Vial: 12
Operator: ESAT
Inst : 5988
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\03129A02.M
Title : semivolatiles
Last Update : Sat Mar 13 11:22:04 1999
Response via : Single Level Calibration

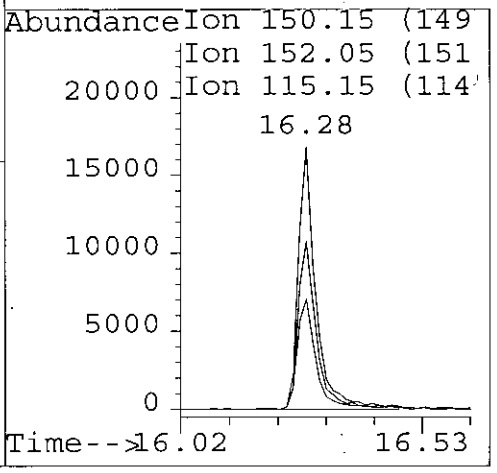


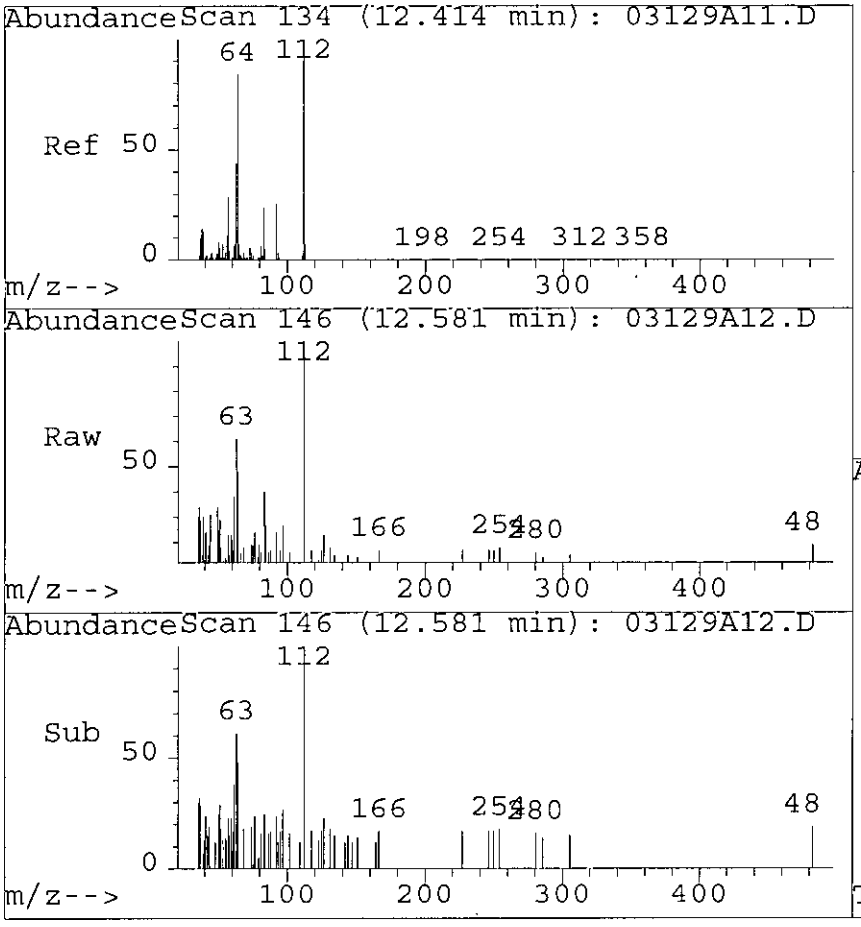


#1
1,4-DICHLOROBENZENE-D4
Concen: 40.00 ug/ml
RT: 16.28 min Scan# 411
Delta R.T. -0.00 min
Lab File: 03129A12.D
Acq: 13 Mar 99 11:23 am

Tgt Ion:150.15 Resp: 43711

Ion	Ratio	Lower	Upper
150	100		
152	64.1	51.1	76.6
115	41.9	34.7	52.0
0	0.0	0.0	0.0

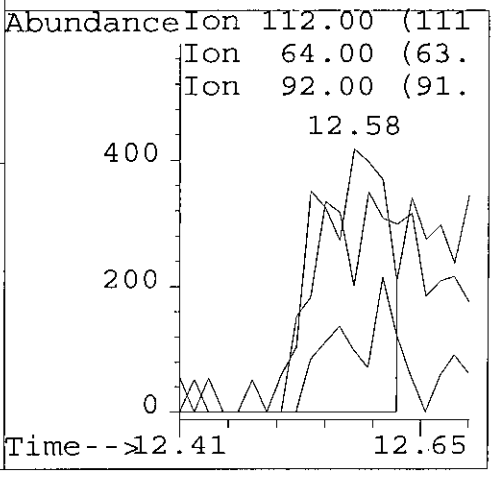


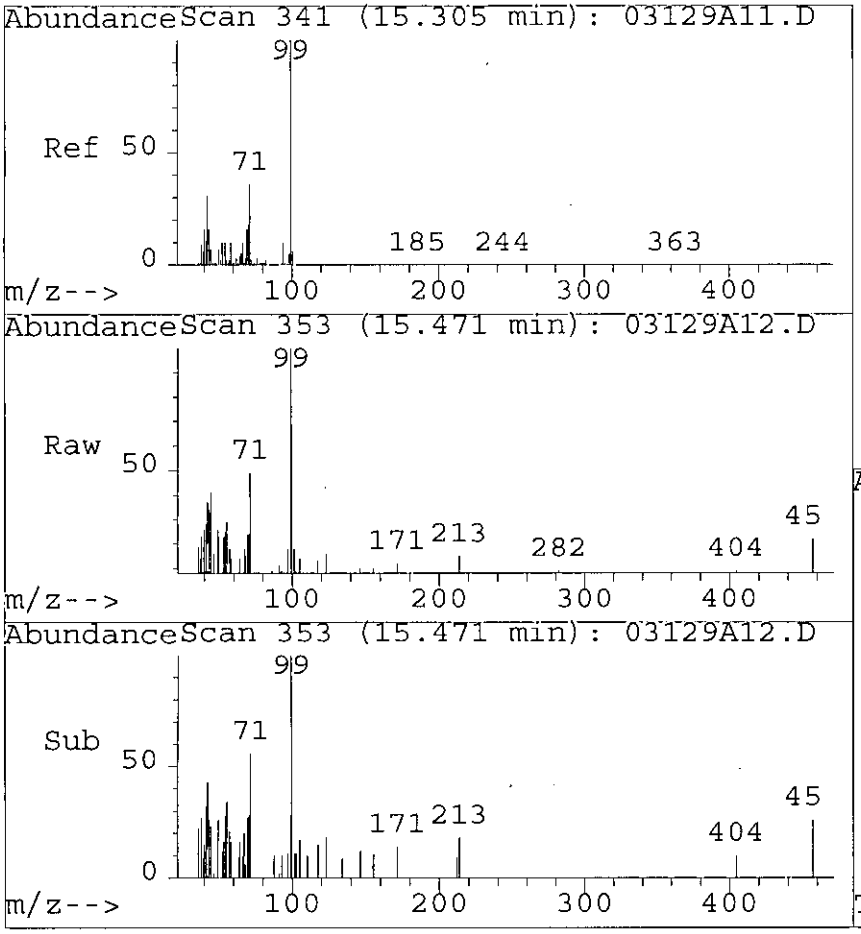


#2
FLUOROPHENOL
Concen: 2.55 ug/ml
RT: 12.58 min Scan# 146
Delta R.T. 0.17 min
Lab File: 03129A12.D
Acq: 13 Mar 99 11:23 am

Tgt Ion:112 Resp: 2096

Ion	Ratio	Lower	Upper
112	100		
64	48.2	55.4	83.1#
92	23.5	24.7	37.0#
0	0.0	0.0	0.0

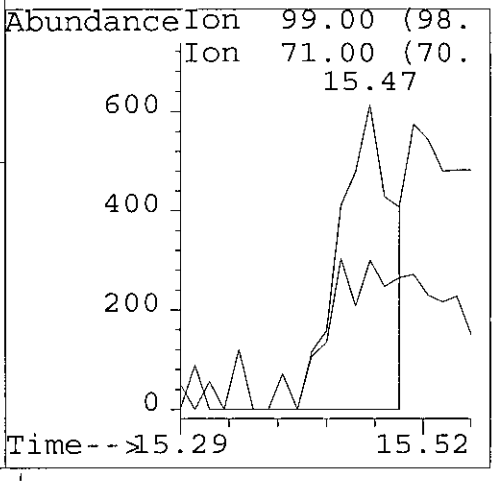


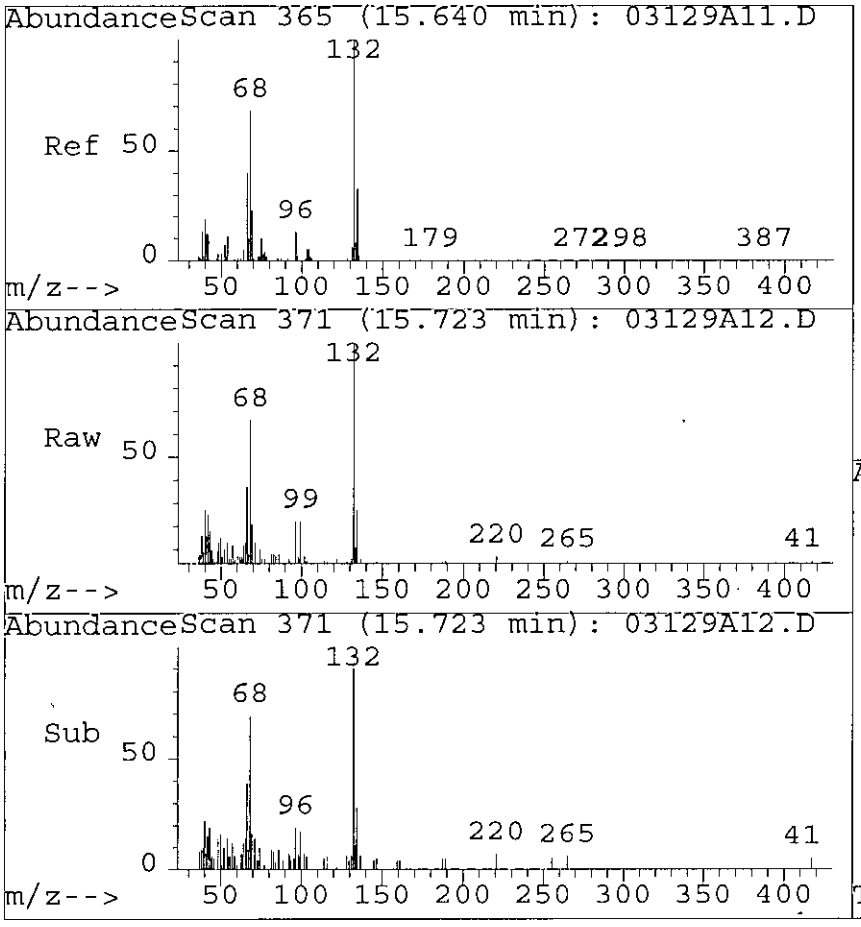


#4
PHENOL-D5
Concen: 1.83 ug/ml
RT: 15.47 min Scan# 353
Delta R.T. 0.17 min
Lab File: 03129A12.D
Acq: 13 Mar 99 11:23 am

Tgt Ion:99 Resp: 2251

Ion	Ratio	Lower	Upper
99	100		
71	48.9	27.7	41.4#
0	0.0	0.0	0.0
0	0.0	0.0	0.0

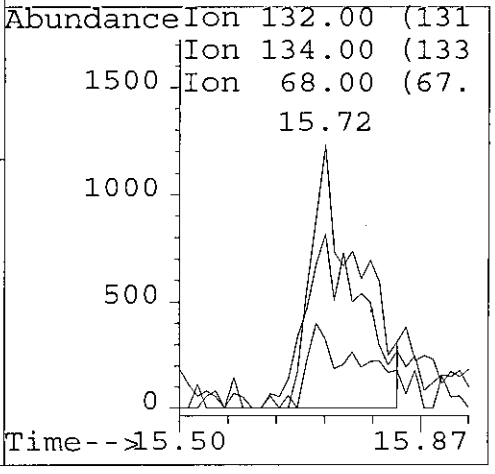


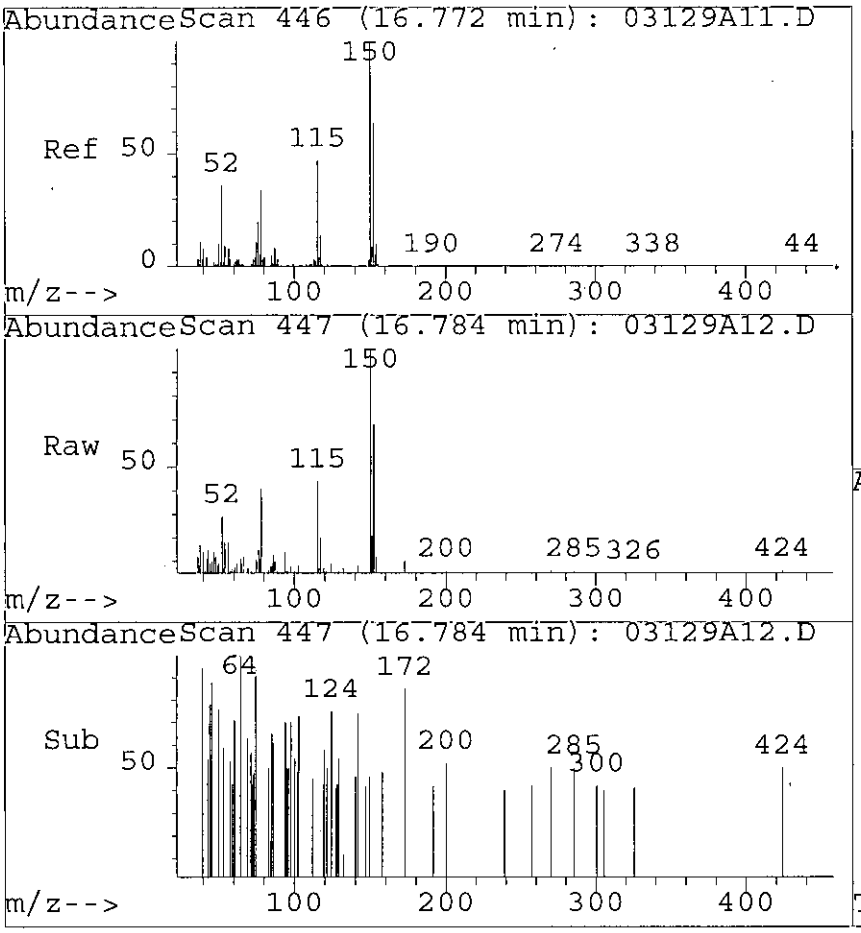


#5
2-CHLOROPHENOL-D4
Concen: 7.05 ug/ml
RT: 15.72 min Scan# 371
Delta R.T. 0.08 min
Lab File: 03129A12.D
Acq: 13 Mar 99 11:23 am

Tgt Ion:132 Resp: 6303

Ion	Ratio	Lower	Upper
132	100		
134	26.7	24.0	35.9
68	66.3	40.0	59.9#
0	0.0	0.0	0.0

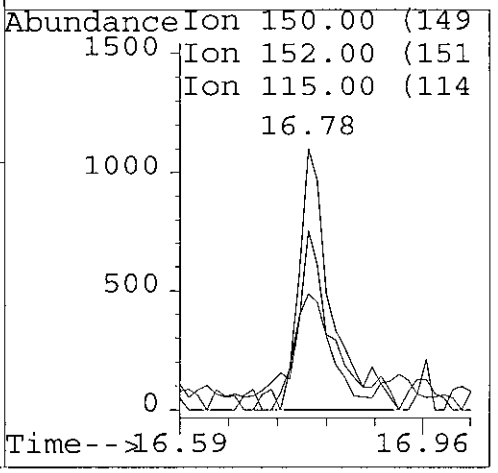


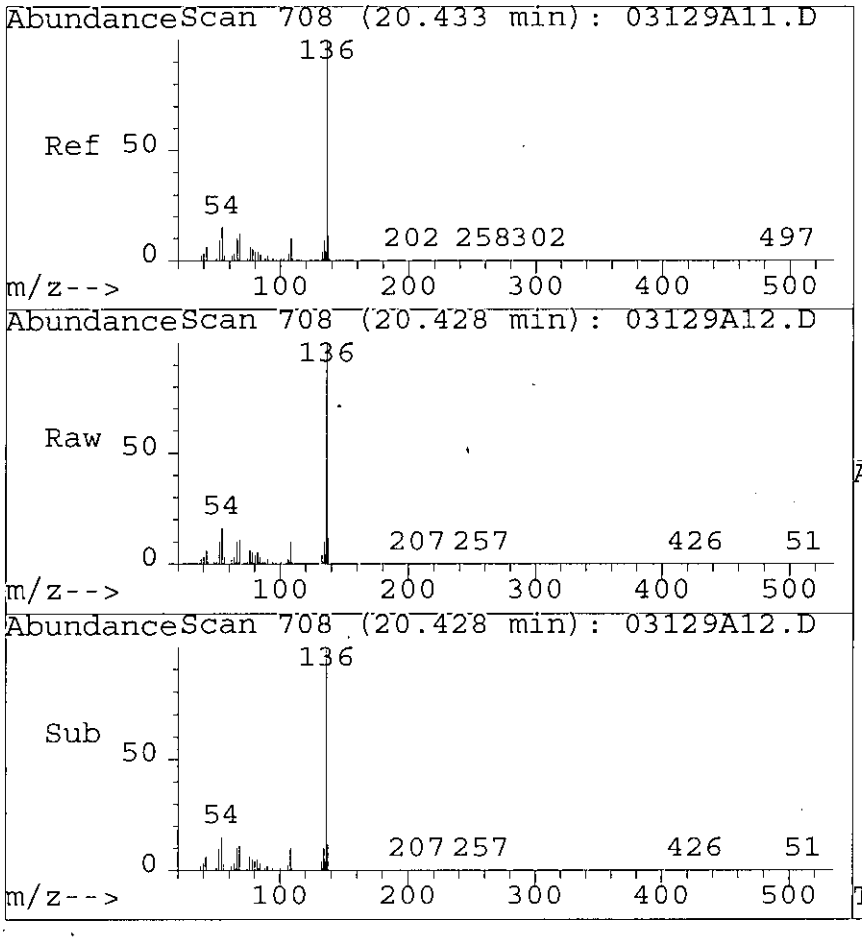


#12
1,2-DICHLOROBENZENE-D4
Concen: 3.73 ug/ml
RT: 16.78 min Scan# 447
Delta R.T. 0.01 min
Lab File: 03129A12.D
Acq: 13 Mar 99 11:23 am

Tgt Ion:150 Resp: 3878

Ion	Ratio	Lower	Upper
150	100		
152	68.3	52.2	78.3
115	44.3	37.8	56.7
0	0.0	0.0	0.0

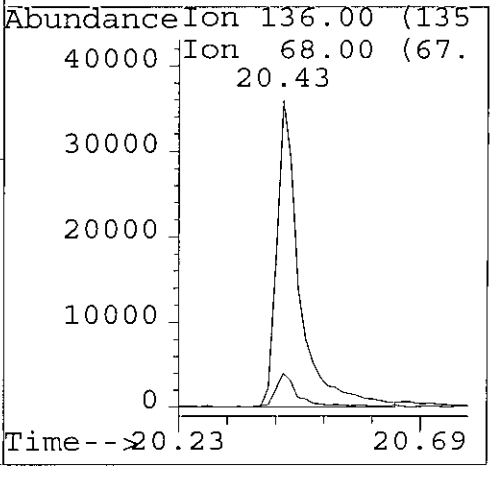


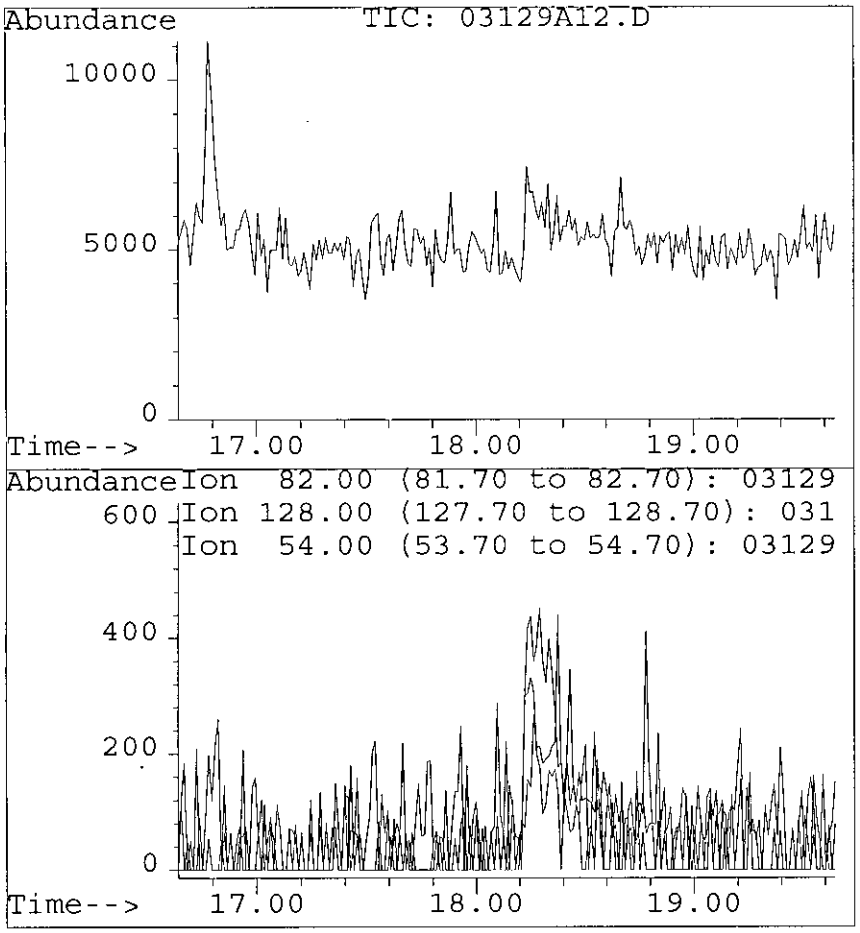


#19
NAPHTHALENE-D8
Concen: 40.00 ug/ml
RT: 20.43 min Scan# 708
Delta R.T. -0.01 min
Lab File: 03129A12.D
Acq: 13 Mar 99 11:23 am

Tgt Ion:136 Resp: 107179

Ion	Ratio	Lower	Upper
136	100		
68	11.1	6.0	8.9#
0	0.0	0.0	0.0
0	0.0	0.0	0.0



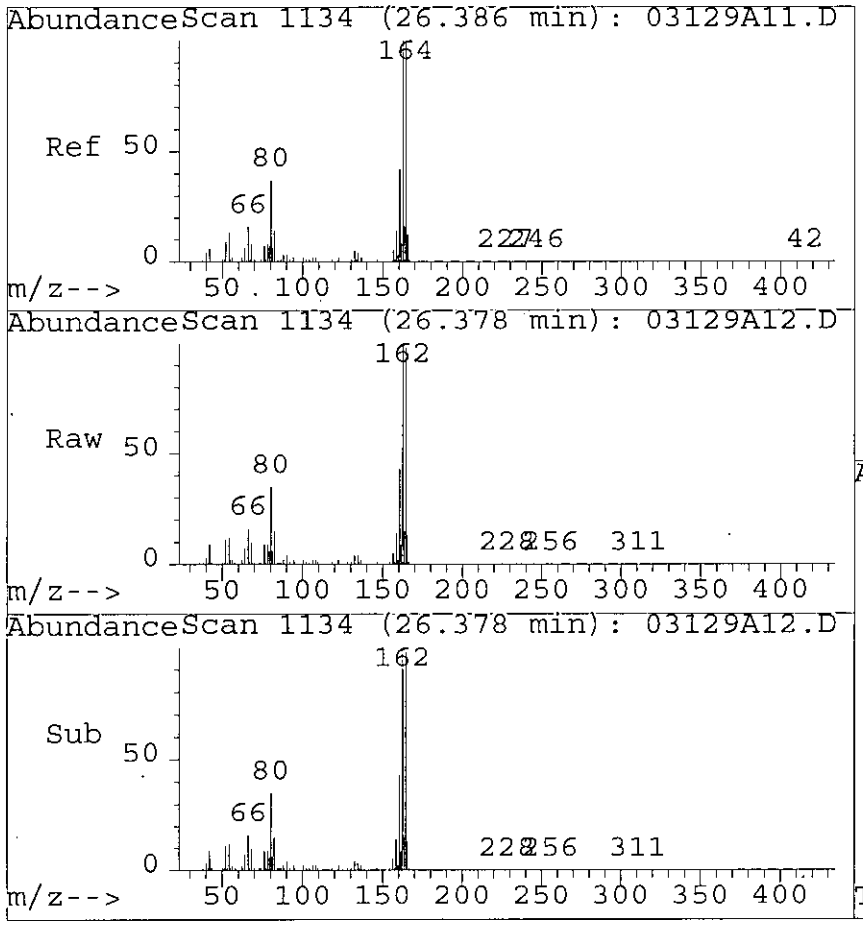


#20
NITROBENZENE-D5
Concen: 0.00 ug/ml
Expected RT: 18.14 min

Lab File: 03129A12.D
Acq: 13 Mar 99 11:23 am

Tgt Ion: 82

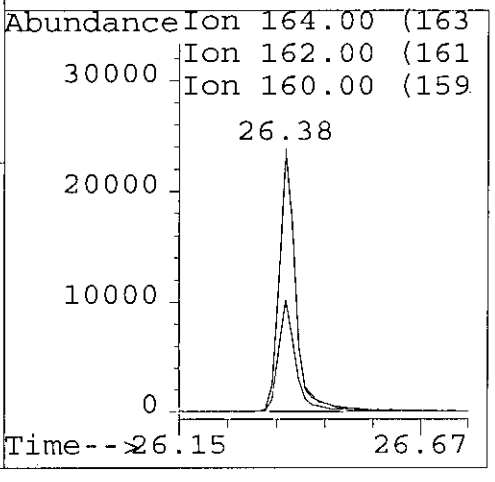
Ion	Exp Ratio
82	100
128	42.9
54	53.6
0	0.0

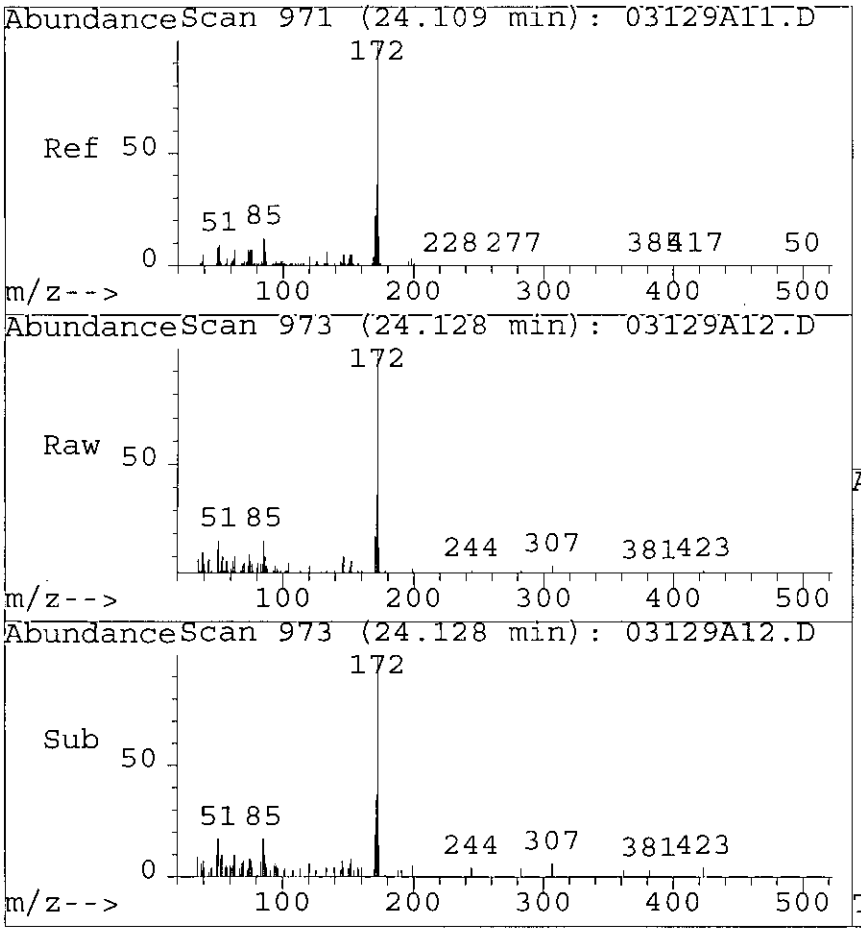


#34
ACENAPHTHENE-D10
Concen: 40.00 ug/ml
RT: 26.38 min Scan# 1134
Delta R.T. -0.01 min
Lab File: 03129A12.D
Acq: 13 Mar 99 11:23 am

Tgt Ion:164 Resp: 57118

Ion	Ratio	Lower	Upper
164	100		
162	102.3	82.3	123.4
160	43.8	33.6	50.3
0	0.0	0.0	0.0

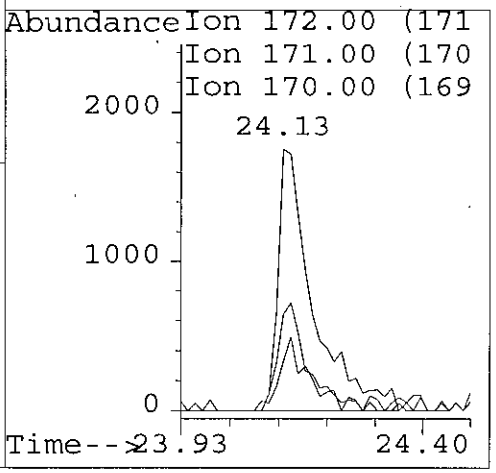


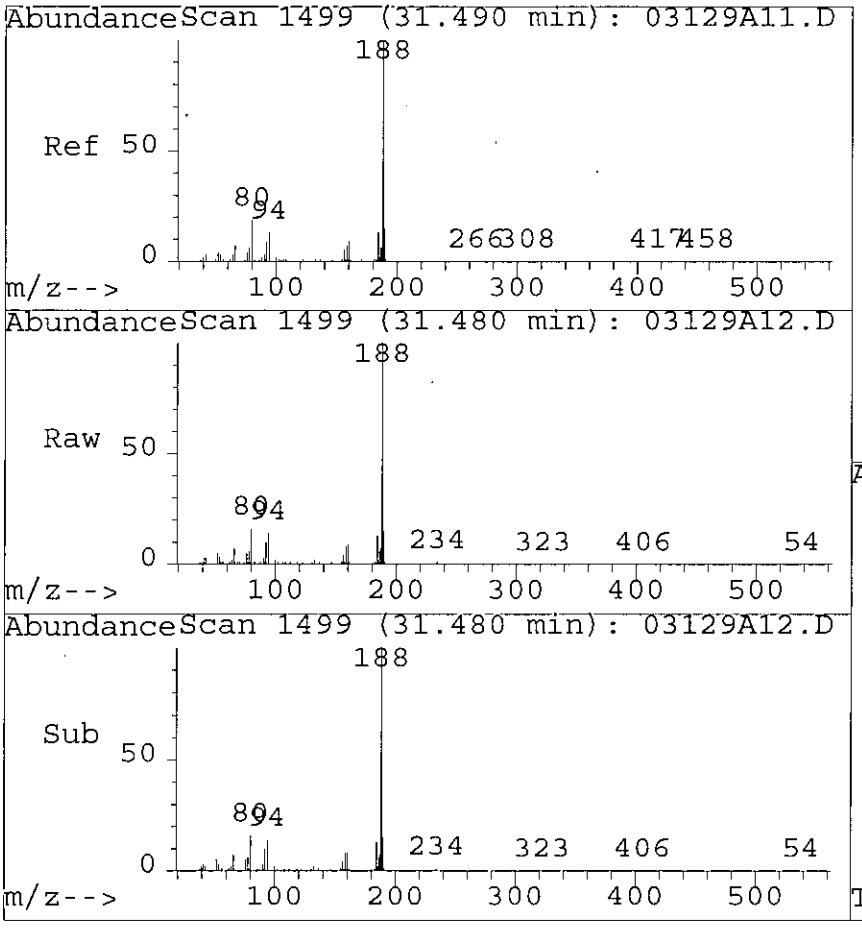


#38
FLUOROBIPHENYL
Concen: 4.35 ug/ml
RT: 24.13 min Scan# 973
Delta R.T. 0.02 min
Lab File: 03129A12.D
Acq: 13 Mar 99 11:23 am

Tgt Ion:172 Resp: 8211

Ion	Ratio	Lower	Upper
172	100		
171	36.9	30.5	45.8
170	19.0	18.4	27.5
0	0.0	0.0	0.0

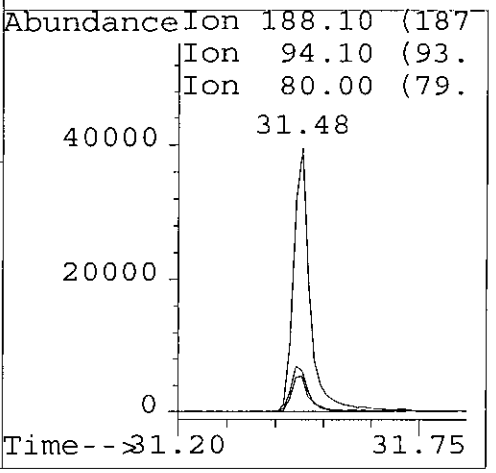


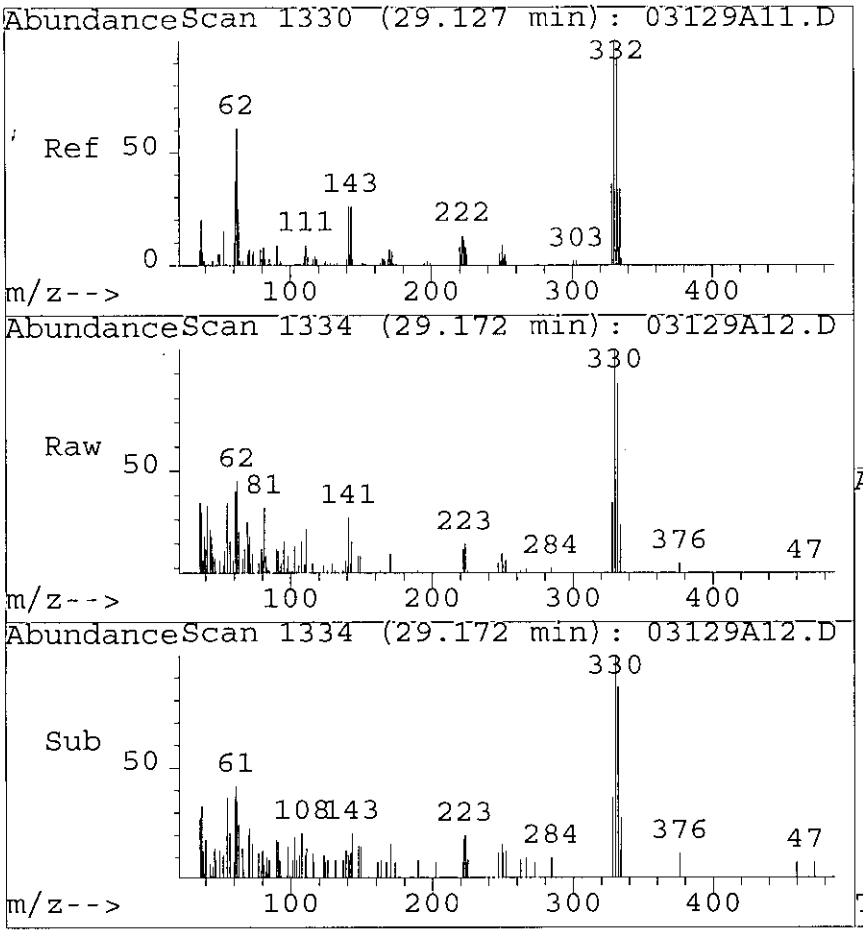


#54
PHENANTHRENE-D10
Concen: 40.00 ug/ml
RT: 31.48 min Scan# 1499
Delta R.T. -0.01 min
Lab File: 03129A12.D
Acq: 13 Mar 99 11:23 am

Tgt Ion:188.1 Resp: 105615

Ion	Ratio	Lower	Upper
188	100		
94	13.7	11.6	17.3
80	16.0	13.7	20.5
0	0.0	0.0	0.0

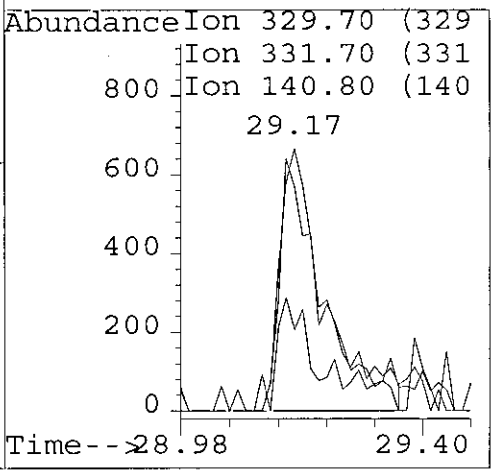


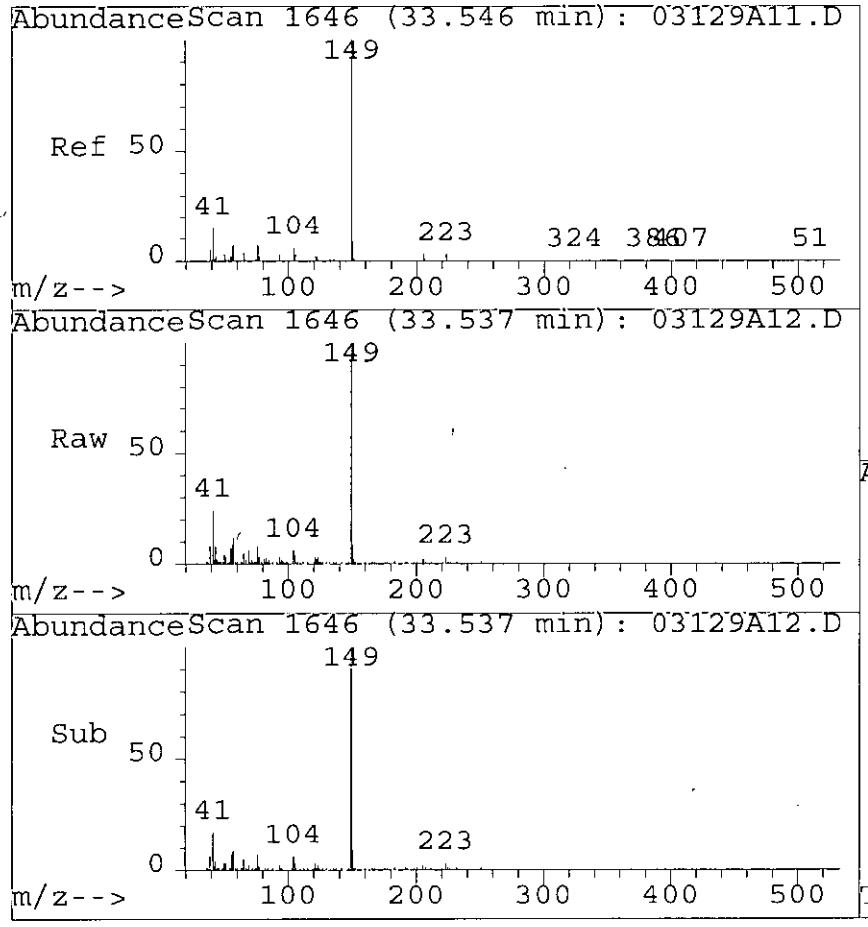


#58
2,4,6-TRIBROMOPHENOL
Concen: 8.37 ug/ml
RT: 29.17 min Scan# 1334
Delta R.T. 0.05 min
Lab File: 03129A12.D
Acq: 13 Mar 99 11:23 am

Tgt Ion:329.7 Resp: 3635

Ion	Ratio	Lower	Upper
330	100		
332	85.7	69.7	104.5
141	30.9	30.9	46.4
0	0.0	0.0	0.0

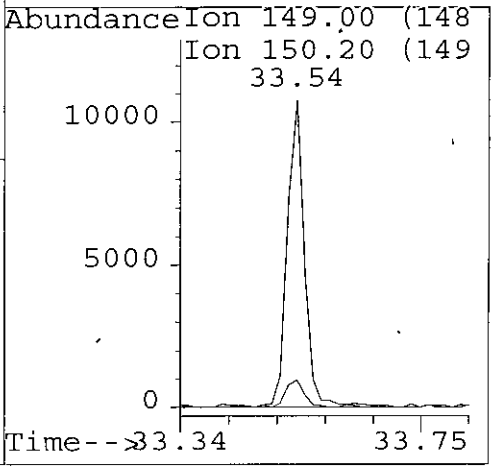


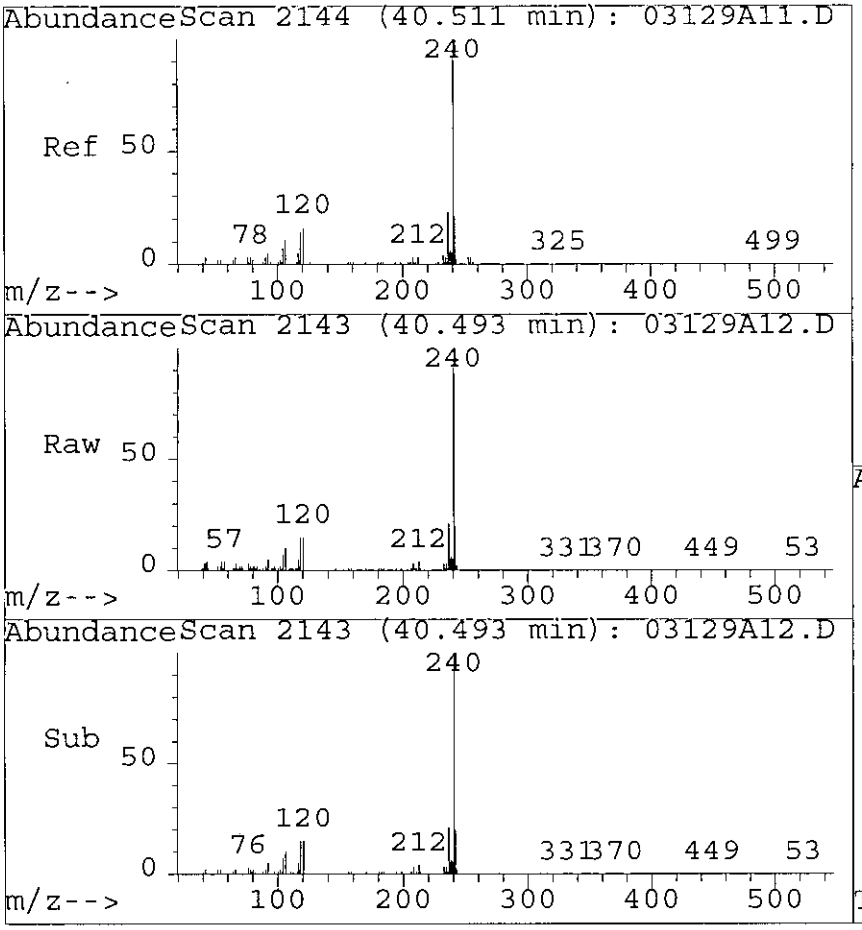


#70
DIBUTYLPHTHALATE ✓
Concen: 5.52 ug/ml
RT: 33.54 min Scan# 1646
Delta R.T. -0.01 min
Lab File: 03129A12.D
Acq: 13 Mar 99 11:23 am

Tgt Ion:149 Resp: 21982

Ion	Ratio	Lower	Upper
149	100		
150	8.9	7.1	10.6
0	0.0	0.0	0.0
0	0.0	0.0	0.0

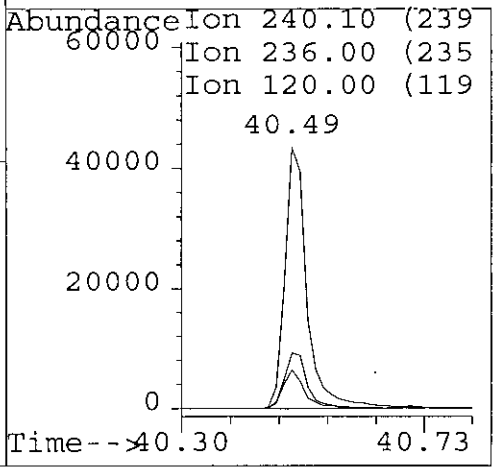


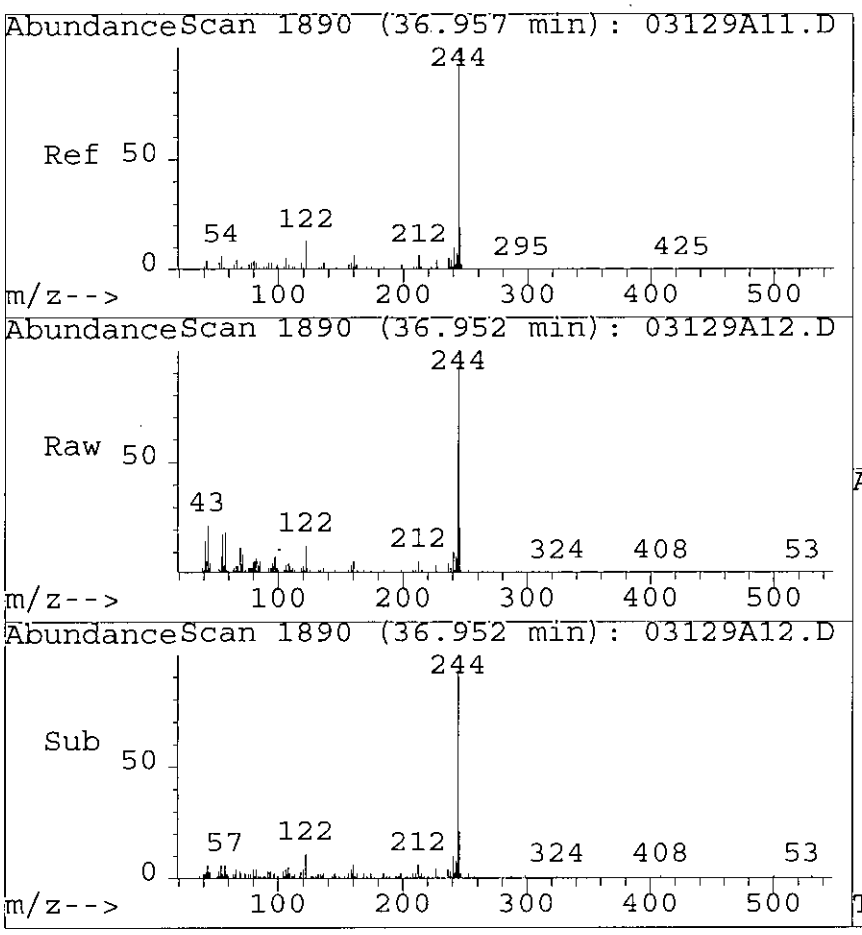


#74
CHRYSENE-D12
Concen: 40.00 ug/ml
RT: 40.49 min Scan# 2143
Delta R.T. -0.02 min
Lab File: 03129A12.D
Acq: 13 Mar 99 11:23 am

Tgt Ion:240.1 Resp: 118510

Ion	Ratio	Lower	Upper
240	100		
236	21.3	20.6	30.9
120	14.9	17.5	26.2#
0	0.0	0.0	0.0

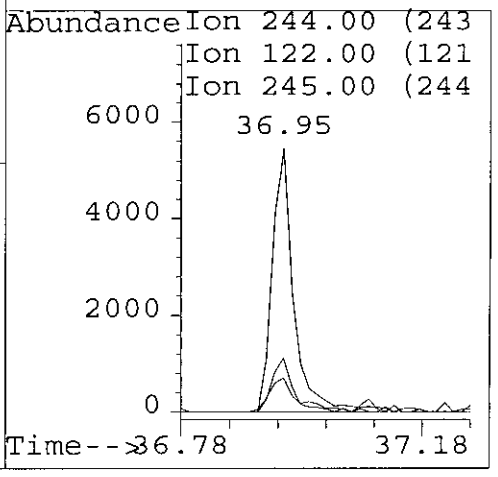


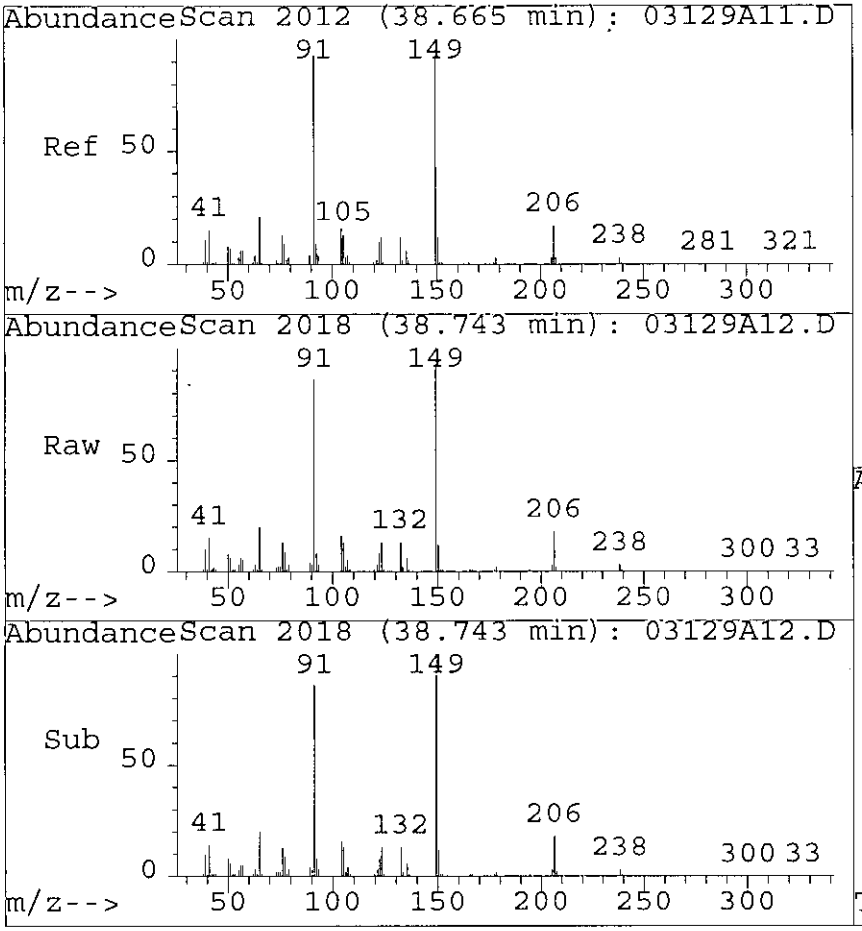


#78
P-TERPHENYL-D14
Concen: 4.57 ug/ml
RT: 36.95 min Scan# 1890
Delta R.T. -0.01 min
Lab File: 03129A12.D
Acq: 13 Mar 99 11:23 am

Tgt Ion:244 Resp: 13366

Ion	Ratio	Lower	Upper
244	100		
122	12.9	15.3	23.0#
245	20.7	15.6	23.3
0	0.0	0.0	0.0

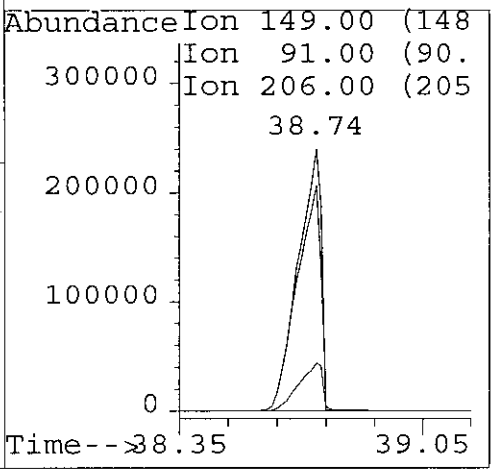


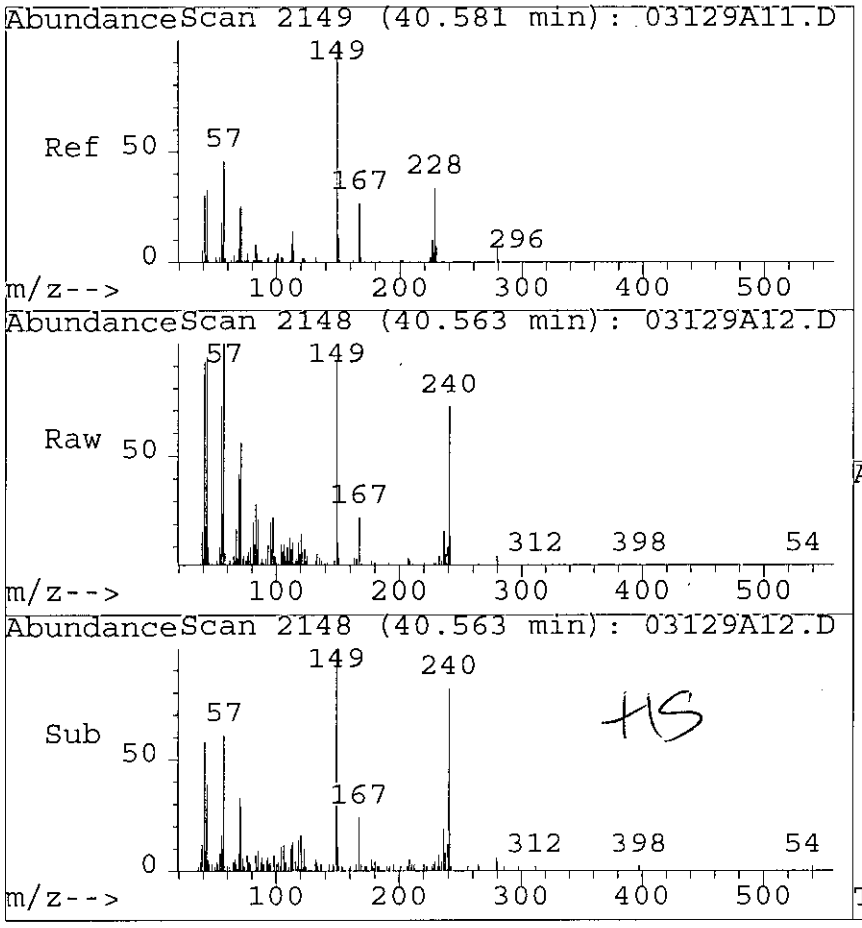


#83
BUTYLBENZYLPHTHALATE
Concen: 556.14 ug/ml
RT: 38.74 min Scan# 2018
Delta R.T. 0.08 min
Lab File: 03129A12.D
Acq: 13 Mar 99 11:23 am

Tgt Ion:149 Resp: 1116709

Ion	Ratio	Lower	Upper
149	100		
91	86.2	65.3	97.8
206	18.2	11.5	17.2#
0	0.0	0.0	0.0

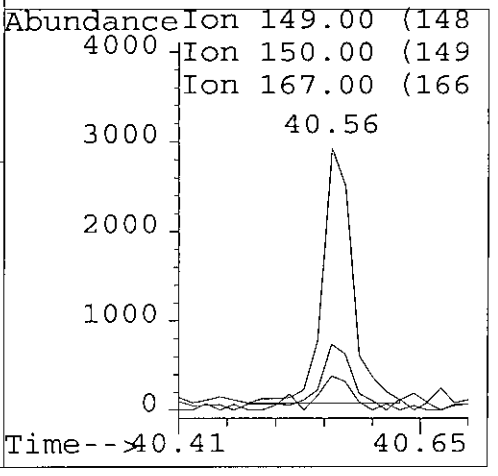


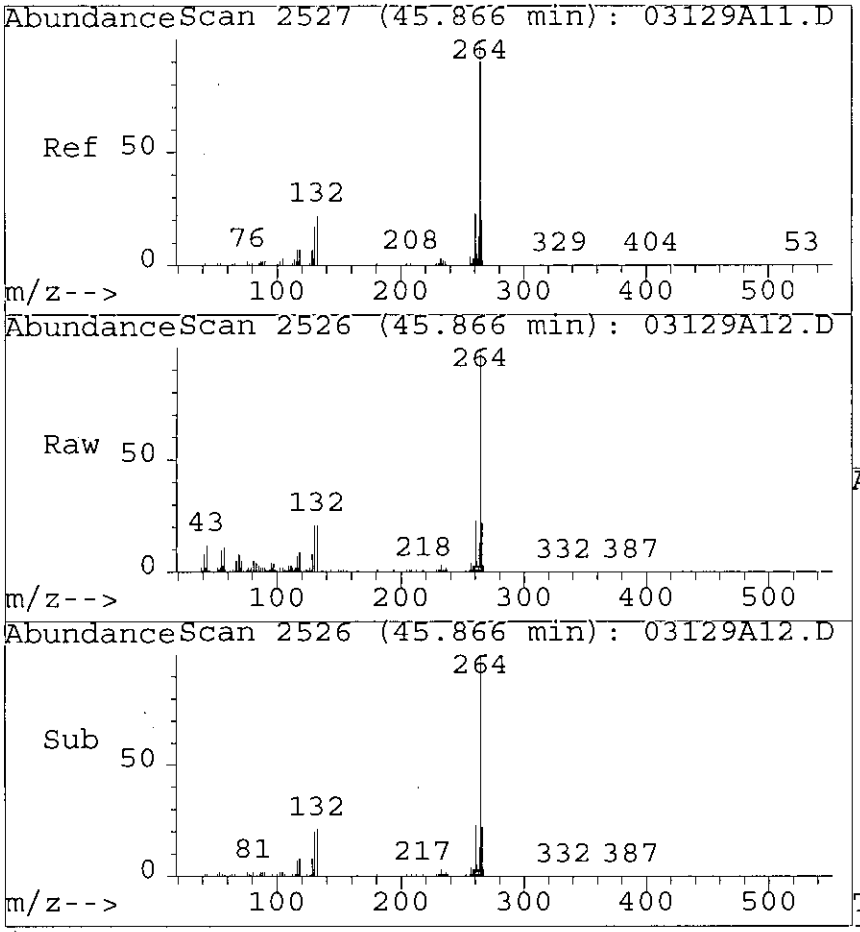


#91
BIS(2-ETHYLHEXYL)PHTHALATE
Concen: 2.23 ug/ml
RT: 40.56 min Scan# 2148
Delta R.T. -0.02 min
Lab File: 03129A12.D
Acq: 13 Mar 99 11:23 am

Tgt Ion:149 Resp: 6122

Ion	Ratio	Lower	Upper
149	100		
150	13.2	9.5	14.2
167	25.2	20.5	30.7
0	0.0	0.0	0.0

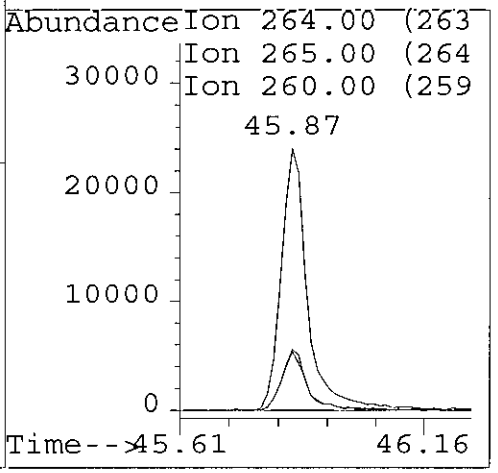




#92
PERYLENE-D12
Concen: 40.00 ug/ml
RT: 45.87 min Scan# 2526
Delta R.T. -0.00 min
Lab File: 03129A12.D
Acq: 13 Mar 99 11:23 am

Tgt Ion:264 Resp: 98797

Ion	Ratio	Lower	Upper
264	100		
265	22.4	17.1	25.6
260	23.3	19.3	28.9
0	0.0	0.0	0.0



TIC: 03129A12.D

67830(1:10)

Peak#	Ret Time	Type	Width	Area	Start Time	End Time
1	11.394	rBV	0.181	68580	11.324	11.506
2	15.108	rVB	0.126	13174	15.066	15.192
3	15.723	rVB	0.265	41526-S	15.653	15.918
4	16.281	rBV	0.224	225502-IS	16.225	16.449
5	16.784	rBV	0.195	25144-S	16.700	16.895
6	17.105	rBV	0.140	10470	17.049	17.189
7	18.236	rBV	0.084	11605	18.208	18.292
8	18.669	rBV	0.139	11384	18.627	18.766
9	20.428	rBV	0.238	273279-IS	20.330	20.568
10	21.057	rBV	0.140	11885	20.987	21.126
11	22.202	rBV	0.112	10696	22.146	22.258
12	23.905	rBV	0.154	13756	23.821	23.975
13	24.143	rBV	0.126	29539-S	24.073	24.199
14	24.380	rVB	0.098	10528	24.352	24.450
15	25.693	rBV	0.182	17987	25.553	25.735
16	26.378	rBV	0.182	299608-IS	26.322	26.504
17	26.644	rVB	0.112	10081	26.588	26.699
18	26.839	rBV	0.154	16838	26.769	26.923
19	27.594	rVB	0.098	14001	27.566	27.664
20	29.157	rBV	0.112	29594-S	29.116	29.228
21	29.591	rBV	0.126	15598	29.493	29.619
22	30.011	rBV	0.084	12130	29.941	30.025
23	31.186	rBV	0.098	17123	31.144	31.242
24	31.480	rBV	0.280	328815-IS	31.396	31.676
25	33.061	rBV	0.098	14373	33.019	33.117
26	33.537	rVB	0.112	44686-T	33.495	33.607
27	36.952	rBV	0.182	56923-S	36.895	37.077
28	37.917	rBV	0.098	12764	37.875	37.973
29	38.743	rBV	0.252	5126109-T	38.561	38.813
30	39.457	rVB	0.140	43322	39.415	39.555
31	40.493	rBV	0.098	319365-IS	40.451	40.549
32	43.509	rVB	0.253	324216	43.439	43.691
33	45.866	rVB	0.309	320624-IS	45.795	46.104
34	50.087	rVB	0.197	38931	50.045	50.241
35	57.447	rBV	0.112	11873	57.405	57.517
36	58.413	rVB	0.126	12136	58.371	58.497

Library Search Compound Report

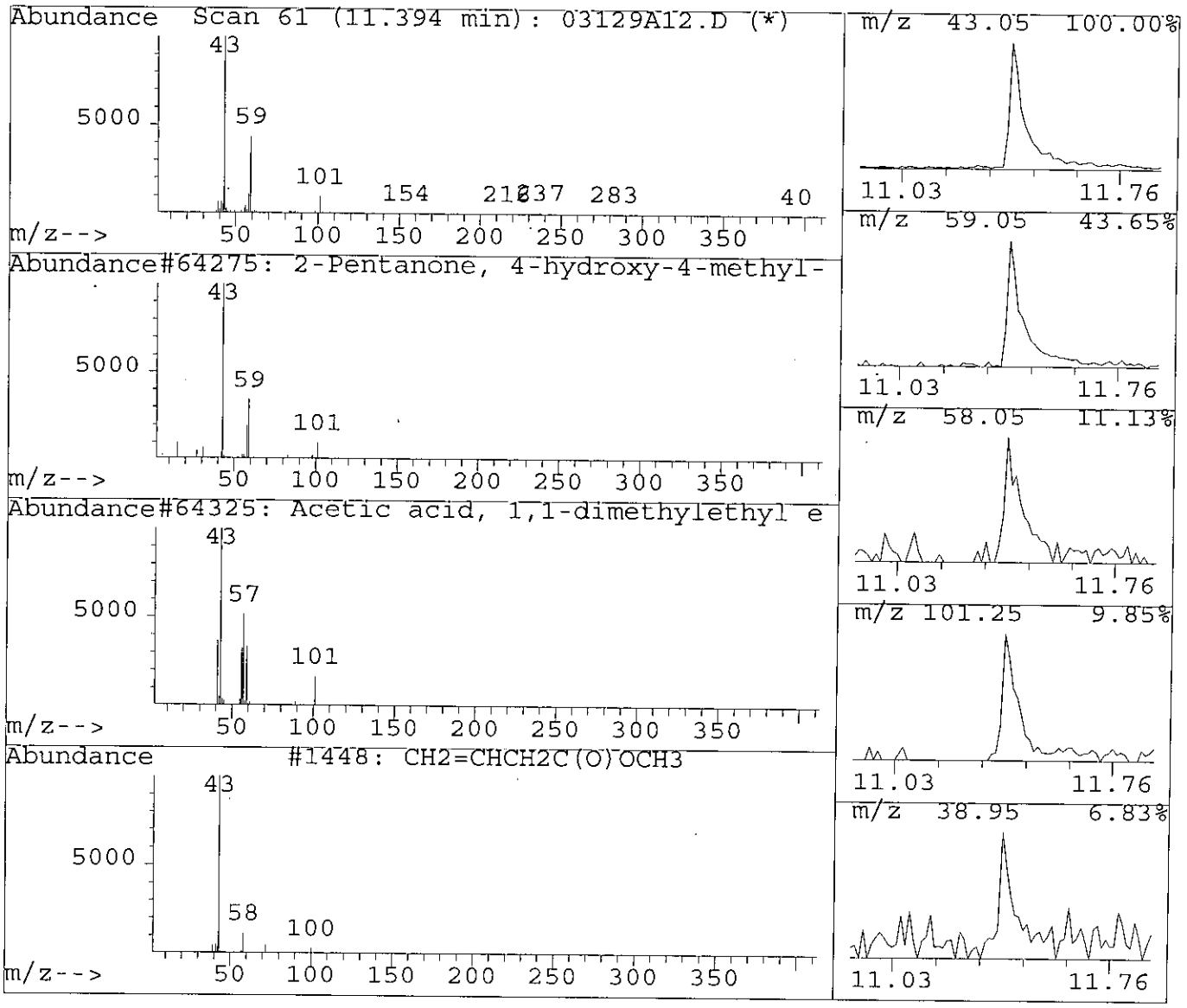
Data File : C:\HPCHEM\1\DATA\03129A12.D
Acq On : 13 Mar 99 11:23 am
Sample : 67830(1:10)
Misc : American Glue & Resin P#99187

Vial: 12
Operator: ESAT
Inst : 5988
Multiplr: 4830.92

Method : C:\HPCHEM\1\METHODS\03129A02.M
Title : semivolatiles
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	R.T.
11.39	58767.46 ug/ml	68580	1,4-DICHLOROBENZENE-D4	16.28

Hit# of 20	Tentative ID	Ref#	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	64275	000123-42-2	53
2	Acetic acid, 1,1-dimethylethyl este	64325	000540-88-5	17
3	CH2=CHCH2C(O)OCH3	1448	003724-55-8	10
4	Butane	62336	000106-97-8	9
5	Acetic acid, 2-propenyl ester	63305	000591-87-7	9



Library Search Compound Report

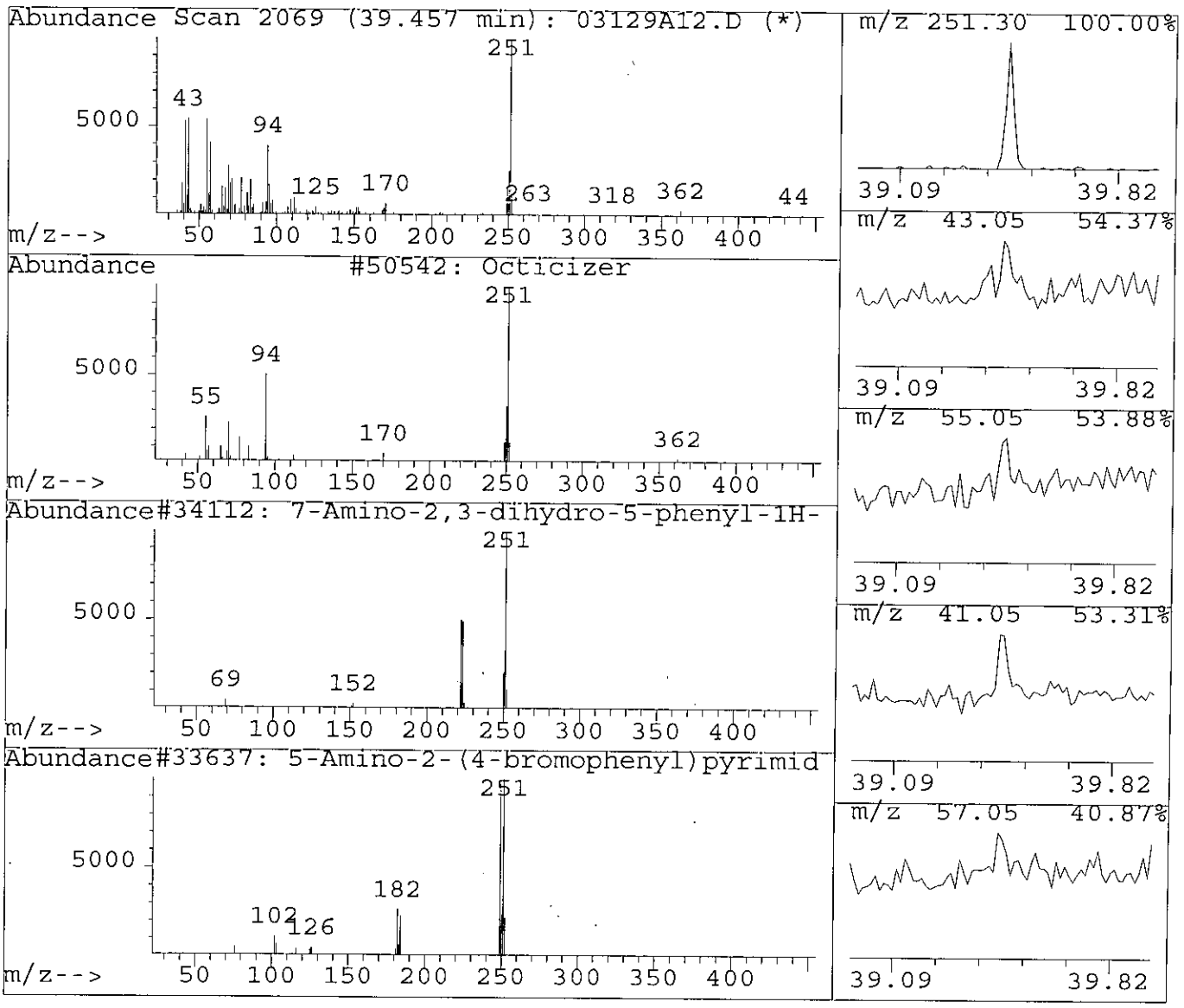
Data File : C:\HPCHEM\1\DATA\03129A12.D
Acq On : 13 Mar 99 11:23 am
Sample : 67830(1:10)
Misc : American Glue & Resin P#99187

Vial: 12
Operator: ESAT
Inst : 5988
Multiplr: 4830.92

Method : C:\HPCHEM\1\METHODS\03129A02.M
Title : semivolatiles
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	R.T.
39.46	26212.66 ug/ml	43322	CHRYSENE-D12	40.49

Hit# of 20	Tentative ID	Ref#	CAS#	Qual
1	Octicizer	50542	001241-94-7	95
2	7-Amino-2,3-dihydro-5-phenyl-1H-1,4	34112	004928-02-3	43
3	5-Amino-2-(4-bromophenyl)pyrimidine	33637	000000-00-0	23
4	Oxazolam	46585	024143-17-7	17
5	1-Naphthalenone, 3,4-dihydro-2-(4-f	34387	066045-89-4	10



Library Search Compound Report

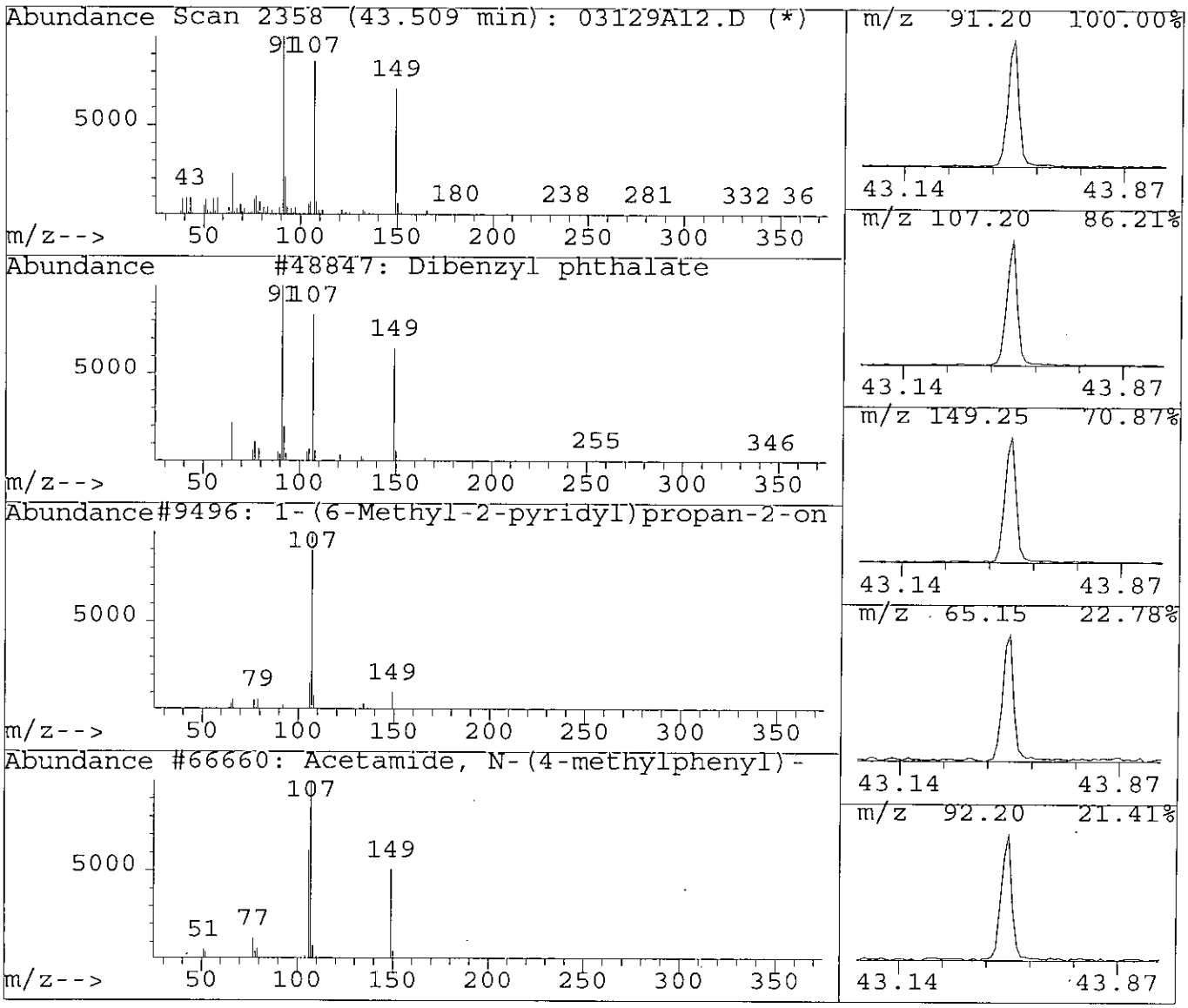
Data File : C:\HPCHEM\1\DATA\03129A12.D
Acq On : 13 Mar 99 11:23 am
Sample : 67830(1:10)
Misc : American Glue & Resin P#99187

Vial: 12
Operator: ESAT
Inst : 5988
Multiplr: 4830.92

Method : C:\HPCHEM\1\METHODS\03129A02.M
Title : semivolatiles
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	R.T.
43.51	195401.66 ug/ml	324216	PERYLENE-D12	45.87

Hit# of 20	Tentative ID	Ref#	CAS#	Qual
1	Dibenzyl phthalate	48847	000523-31-9	91
2	1-(6-Methyl-2-pyridyl)propan-2-one	9496	065702-08-1	52
3	Acetamide, N-(4-methylphenyl)-	66660	000103-89-9	50
4	Acetamide, N-(2-methylphenyl)-	66653	000120-66-1	50
5	Pyridine, 3-ethyl-	63739	000536-78-7	47



Library Search Compound Report

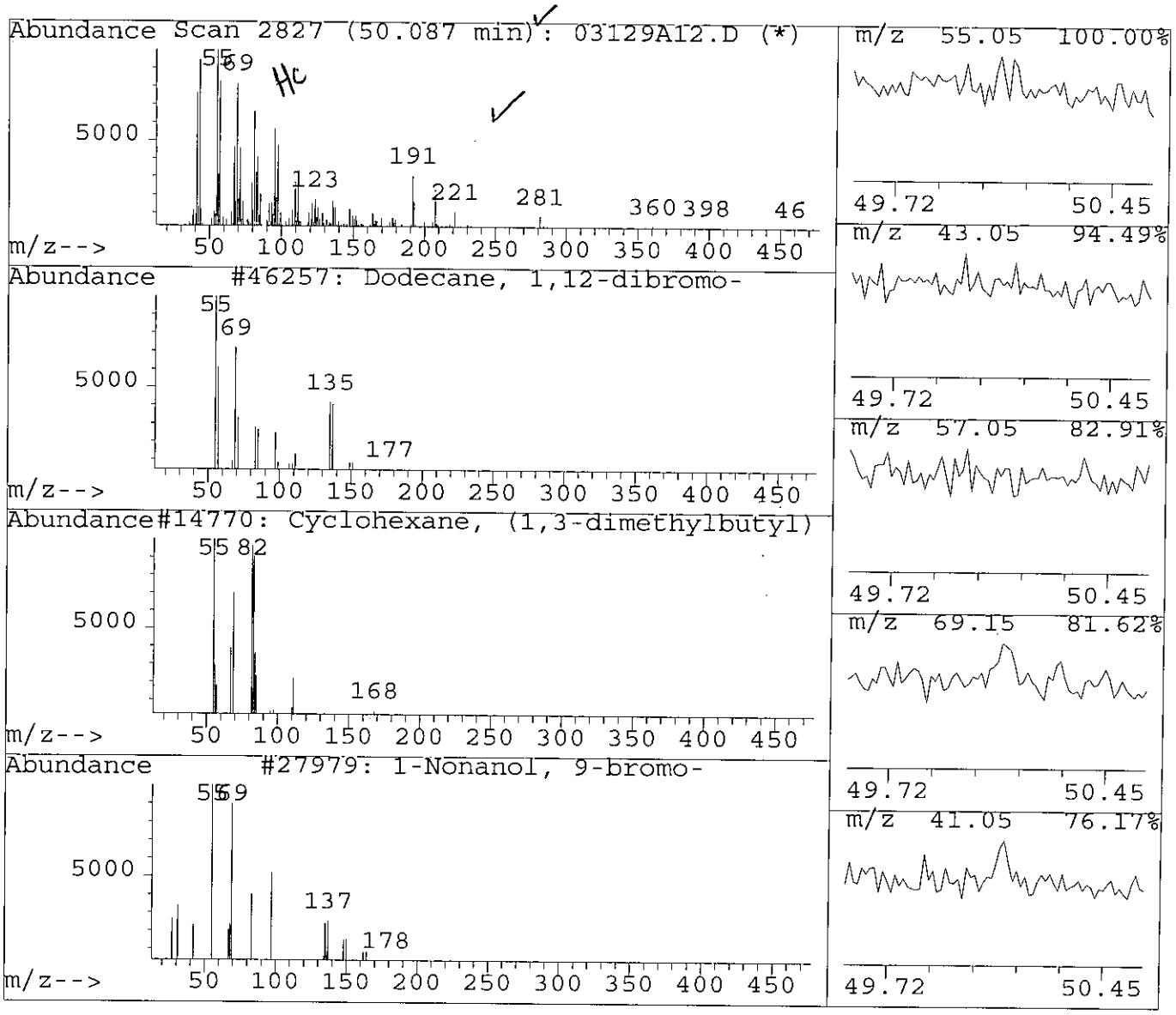
Data File : C:\HPCHEM\1\DATA\03129A12.D
Acq On : 13 Mar 99 11:23 am
Sample : 67830(1:10)
Misc : American Glue & Resin P#99187

Vial: 12
Operator: ESAT
Inst : 5988
Multiplr: 4830.92

Method : C:\HPCHEM\1\METHODS\03129A02.M
Title : semivolatiles
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	R.T.
50.09	23463.31 ug/ml	38931	PERYLENE-D12	45.87

Hit# of 20	Tentative ID	Ref#	CAS#	Qual
1	Dodecane, 1,12-dibromo-	46257	003344-70-5	43
2	Cyclohexane, (1,3-dimethylbutyl)-	14770	061142-19-6	38
3	1-Nonanol, 9-bromo-	27979	055362-80-6	38
4	7-Oxabicyclo[2.2.1]heptane, 2-(2-bu	20819	070429-52-6	38
5	Cyclopentane, 1,1,3-trimethyl-	2676	004516-69-2	35



1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

S67831

Lab EPA REG 1 Contract:

Proj 99187 Site: AMERICAN Location: Group:

Matrix: (soil/wat SOIL Lab Sample ID: S67831

wet Sample wt/vol: 5.0 (g/mL) G Lab File ID: 03149A03.D

Dry : 2.4 Collected 3/2/99

Level: (low/m MED Date Received: 3/3/99

% 52 decanted: (Y/N): Y Date Extracted: 3/9/99

Concentrated Extract Volume 1000 (uL) Date Analyzed: 3/14/99

Injection Volume 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y N pH: 0 Repeat Factor: 1.2

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
62-53-3	ANILINE	4200	U
108-95-2	PHENOL	4200	U
111-44-4	BIS(2-CHLOROETHYL) ETHER	4200	U
95-57-8	2-CHLOROPHENOL	4200	U
541-73-1	1,3-DICHLOROBENZENE	4200	U
106-46-7	1,4-DICHLOROBENZENE	4200	U
100-51-6	BENZYL ALCOHOL	4200	U
95-50-1	1,2-DICHLOROBENZENE	4200	U
95-48-7	2-METHYLPHENOL	4200	U
108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	4200	U
106-44-5	4-METHYLPHENOL	4200	U
621-64-7	N-NITROSODIPROPYLAMINE	4200	U
67-72-1	HEXACHLOROETHANE	4200	U
98-95-3	NITROBENZENE	4200	U
78-59-1	ISOPHORONE	4200	U
88-75-5	2-NITROPHENOL	4200	U
105-67-9	2,4-DIMETHYLPHENOL	4200	U
111-91-1	BIS(2-CHLOROETHOXY)METHANE	4200	U
65-85-0	BENZOIC ACID	4200	U
120-83-2	2,4-DICHLOROPHENOL	4200	U
120-82-1	1,2,4-TRICHLOROBENZENE	4200	U
91-20-3	NAPHTHALENE	4200	U
106-47-8	4-CHLOROANILINE	4200	U
87-68-3	HEXACHLOROBUTADIENE	4200	U
59-50-7	4-CHLORO-3-METHYLPHENOL	4200	U
91-57-6	2-METHYLNAPHTHALENE	4200	U
77-47-4	HEXACHLOROCYCLOPENTADIENE	4200	U
88-06-2	2,4,6-TRICHLOROPHENOL	4200	U
95-95-4	2,4,5-TRICHLOROPHENOL	4200	U
91-58-7	2-CHLORONAPHTHALENE	4200	U
88-74-4	2-NITROANILINE	4200	U
131-11-3	DIMETHYLPHTHALATE	4200	U
208-96-8	ACENAPHTHYLENE	4200	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

S67831

Lab EPA REG 1 Contract:

Proj 99187 Site: AMERICAN Location: Group:

Matrix: (soil/wat SOIL Lab Sample ID: S67831

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 03149A03.D

Level: (low/m MED Date Received: 3/3/99

% 52 decanted: (Y/N): Y Date Extracted: 3/9/99

Concentrated Extract Volume 1000 (uL) Date Analyzed: 3/14/99

Injection Volume 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y N pH: 0

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
606-20-2	2,6-DINITROTOLUENE	4200	U
99-09-2	3-NITROANILINE	4200	U
83-32-9	ACENAPHTHENE	4200	U
51-28-5	2,4-DINITROPHENOL	4200	U
132-64-9	DIBENZOFURAN	4200	U
100-02-7	4-NITROPHENOL	4200	U
121-14-2	2,4-DINITROTOLUENE	4200	U
84-66-2	DIETHYLPHTHALATE	4200	U
86-73-7	FLUORENE	4200	U
7005-72-3	4-CHLOROPHENYL-PHENYLETHER	4200	U
100-01-6	4-NITROANILINE	4200	U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	4200	U
86-30-6	N-NITROSODIPHENYLAMINE	4200	U
103-33-3	DIPHENYLHYDRAZINE(AZOBENZENE)	4200	U
101-55-3	4-BROMOPHENYL-PHENYLETHER	4200	U
319-84-6	BHC ISOMER (ALPHA)	4200	U
118-74-1	HEXACHLOROBENZENE	4200	U
319-85-7	BHC ISOMER (BETA)	4200	U
87-86-5	PENTACHLOROPHENOL	4200	U
58-89-9	LINDANE-BHC ISOMER (GAMA)	4200	U
85-01-8	PHENANTHRENE	4200	U
120-12-7	ANTHRACENE	4200	U
319-86-8	BHC ISOMER (DELTA).	4200	U
86-74-8	CARBAZOLE	4200	U
76-44-8	HEPTACHLOR	4200	U
84-74-2	DIBUTYLPHTHALATE	7200	
309-00-2	ALDRIN	4200	U
1024-57-3	HEPTACHLOR EPOXIDE	4200	U
206-44-0	FLUORANTHENE	4200	U
129-00-0	PYRENE	4200	U
959-98-8	ENDOSULFAN I	4200	U
72-55-9	P,P-DDE	4200	U
60-57-1	DIELDRIN	4200	U

1.B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

S67831

Lab EPA REG 1 Contract:

Proj 99187 Site: AMERICAN Location: Group:

Matrix: (soil/wat SOIL Lab Sample ID: S67831

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 03149A03.D

Level: (low/m MED Date Received: 3/3/99

% 52 decanted: (Y/N): Y Date Extracted: 3/9/99

Concentrated Extract Volume 1000 (uL) Date Analyzed: 3/14/99

Injection Volume 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y N pH: 0

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
72-20-8	ENDRIN	4200	U
33213-65-9	ENDOSULFAN II	4200	U
72-54-8	P,P-DDD	4200	U
85-68-7	BUTYLBENZYLPHTHALATE	1800	L J
50-29-3	P,P-DDT	4200	U
1031-07-8	ENDOSULFAN SULFATE	4200	U
72-43-5	METHOXYCHLOR	4200	U
53494-70-5	ENDRIN KETONE	4200	U
91-94-1	3,3-DICHCHLOROBENZIDINE	4200	U
56-55-3	BENZ(A)ANTHRACENE	4200	U
218-01-9	CHRYSENE	4200	U
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	1200	L J
117-84-0	DI-N-OCTYLPHTHALATE	4200	U
205-99-2	BENZO(B)FLUORANTHENE	4200	U
207-08-9	BENZO(K)FLUORANTHENE	4200	U
50-32-8	BENZO(A)PYRENE	4200	U
193-39-5	INDENO(1,2,3-CD)PYRENE	4200	U
53-70-3	DIBENZO(A,H)ANTHRACENE	4200	U
191-24-2	BENZO(GHI)PERYLENE	4200	U

QUANTITATION SHEET

SAMPLE NUMBER 67831

Tentatively Identified Compounds

SCAN NO.	COMPOUND	PROB. MATCH	CONC (ug/ml)	EST. C. (ug/kg)	CAS NO.	CHEM. FORM.
103	~~4 hydroxy-4 methyl-2 Pentanone~~	50	—	~3,000,000 AB	123422	
224	unknown	—	—	~10,000 J	—	
902	unknown	—	—	~10,000 J	—	
2103	N-propyl-Benzamide (isomer)	59	—	~9,000 J	10546-700	
2113	N-propyl-Benzamide (isomer)	59	—	~9,000 J	10546-700	
2352	unknown hydrocarbon-C28	49	—	~6,000 J	—	

~ = Approximate
< = Less than
> = Greater than
NA = Not available due to dilution or interference
E = Estimated value that exceeds the calibration range
L = Estimated value that is below the calibration range
B = Analyte associated with the lab, trip blank. Reported values are 5X higher than blank. Phthalates must be 10X.

Quantitation Report

Data File : C:\HPCHEM\1\DATA\03149A03.D
Acq On : 14 Mar 99 12:01 pm
Sample : 67831
Misc : American Glue & Resin P#99187
Quant Time: Mar 15 8:35 1999

Vial: 3
Operator: ESAT
Inst : 5988
Multiplr: 416.49

Method : C:\HPCHEM\1\METHODS\03149A01.M
Title : semivolatiles
Last Update : Sun Mar 14 11:59:08 1999
Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DICHLOROBENZENE-D4	16.27	150	55718	40.00	ug/ml	0.00
19) NAPHTHALENE-D8	20.42	136	120521	40.00	ug/ml	0.00
34) ACENAPHTHENE-D10	26.37	164	58021	40.00	ug/ml	0.00
54) PHENANTHRENE-D10	31.45	188	100075	40.00	ug/ml	-0.02
74) CHRYSENE-D12	40.47	240	103519	40.00	ug/ml	-0.03
92) PERYLENE-D12	45.83	264	84948	40.00	ug/ml	-0.01
System Monitoring Compounds						%Recovery
2) FLUOROPHENOL	12.54	112	149726	132.03	ug/ml	66.01%
4) PHENOL-D5	15.31	99	250089	160.28	ug/ml	80.14%
5) 2-CHLOROPHENOL-D4	15.66	132	165670	147.55	ug/ml	73.78%
12) 1,2-DICHLOROBENZENE-D4	16.77	150	82636	64.29	ug/ml	64.29%
20) NITROBENZENE-D5	18.11	82	132212	71.29	ug/ml	71.29%
38) FLUOROBIPHENYL	24.09	172	144211	75.86	ug/ml	75.86%
58) 2,4,6-TRIBROMOPHENOL	29.11	330	37255	90.94	ug/ml	45.47%
78) P-TERPHENYL-D14	36.93	244	176346	69.30	ug/ml	69.30%
Target Compounds						Qvalue
70) DIBUTYLPHTHALATE	33.52	149	61819	7251.63	ug/ml	97
83) BUTYLBENZYLPHTHALATE	38.64	149	7664	1839.91	ug/ml#	93
91) BIS(2-ETHYLHEXYL)PHTHALATE	40.55	149	6723	1151.88	ug/ml	94

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\03149A03.D
Acq On : 14 Mar 99 12:01 pm
Sample : 67831
Misc : American Glue & Resin P#99187
Quant Time: Mar 14 13:04 1999

Vial: 3
Operator: ESAT
Inst : 5988
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\03149A01.M
Title : semivolatiles
Last Update : Sun Mar 14 11:59:08 1999
Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DICHLOROBENZENE-D4	16.27	150	55718	40.00	ug/ml	0.00
19) NAPHTHALENE-D8	20.42	136	120521	40.00	ug/ml	0.00
34) ACENAPHTHENE-D10	26.37	164	58021	40.00	ug/ml	0.00
54) PHENANTHRENE-D10	31.45	188	100075	40.00	ug/ml	-0.02
74) CHRYSENE-D12	40.47	240	103519	40.00	ug/ml	-0.03
92) PERYLENE-D12	45.83	264	84948	40.00	ug/ml	-0.01
System Monitoring Compounds						%Recovery
2) FLUOROPHENOL	12.54	112	149726	132.03	ug/ml	66.01%
4) PHENOL-D5	15.31	99	250089	160.28	ug/ml	80.14%
5) 2-CHLOROPHENOL-D4	15.66	132	165670	147.55	ug/ml	73.78%
12) 1,2-DICHLOROBENZENE-D4	16.77	150	82636	64.29	ug/ml	64.29%
20) NITROBENZENE-D5	18.11	82	132212	71.29	ug/ml	71.29%
38) FLUOROBIPHENYL	24.09	172	144211	75.86	ug/ml	75.86%
58) 2,4,6-TRIBROMOPHENOL	29.11	330	37255	90.94	ug/ml	45.47%
78) P-TERPHENYL-D14	36.93	244	176346	69.30	ug/ml	69.30%
Target Compounds						Qvalue
6) PHENOL	15.33	94	1800	~~1.07~~	~~ug/ml#~~	1
11) BENZYL ALCOHOL	16.77	79	2450	~~2.30~~	~~ug/ml#~~	34
22) ISOPHORONE	19.27	82	5980	~~1.85~~	~~ug/ml#~~	76
70) DIBUTYLPHTHALATE	33.52	149	61819	17.41	ug/ml	97
83) BUTYLBENZYLPHTHALATE	38.64	149	7664	4.42	ug/ml#	93
91) BIS(2-ETHYLHEXYL)PHTHALATE	40.55	149	6723	2.77	ug/ml	94
93) DI-N-OCTYLPHTHALATE	42.64	149	1965	~~0.53~~	~~ug/ml~~	97

WET WT = 5.003
DRY WT = 2.401
% MOIST = 52.0
1ml FV
NO DIL
MW/T = 4/6.4931279

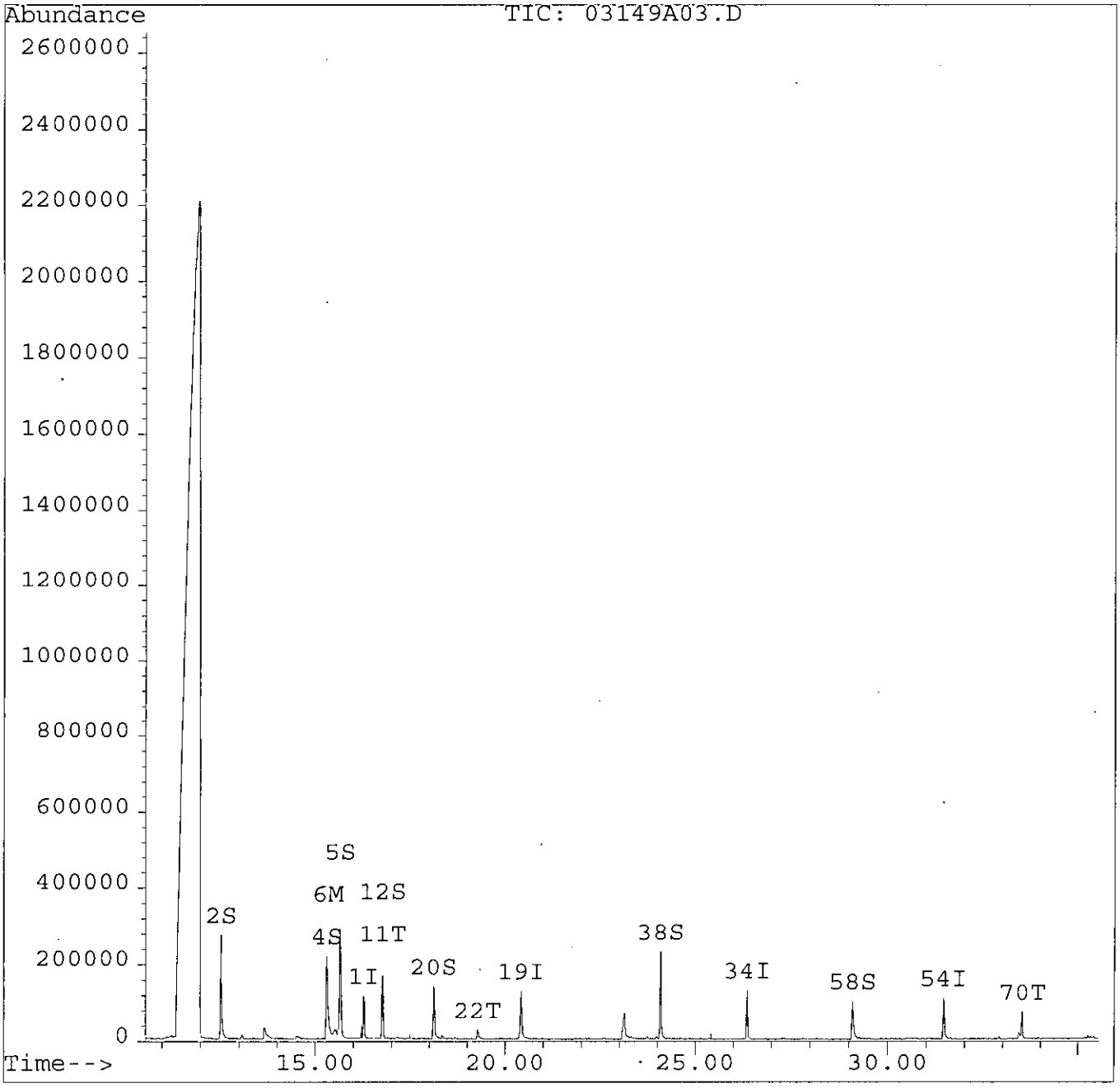
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\03149A03.D
Acq On : 14 Mar 99 12:01 pm
Sample : 67831
Misc : American Glue & Resin P#99187
Quant Time: Mar 14 13:04 1999

Vial: 3
Operator: ESAT
Inst : 5988
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\03149A01.M
Title : semivolatiles
Last Update : Sun Mar 14 11:59:08 1999
Response via : Single Level Calibration

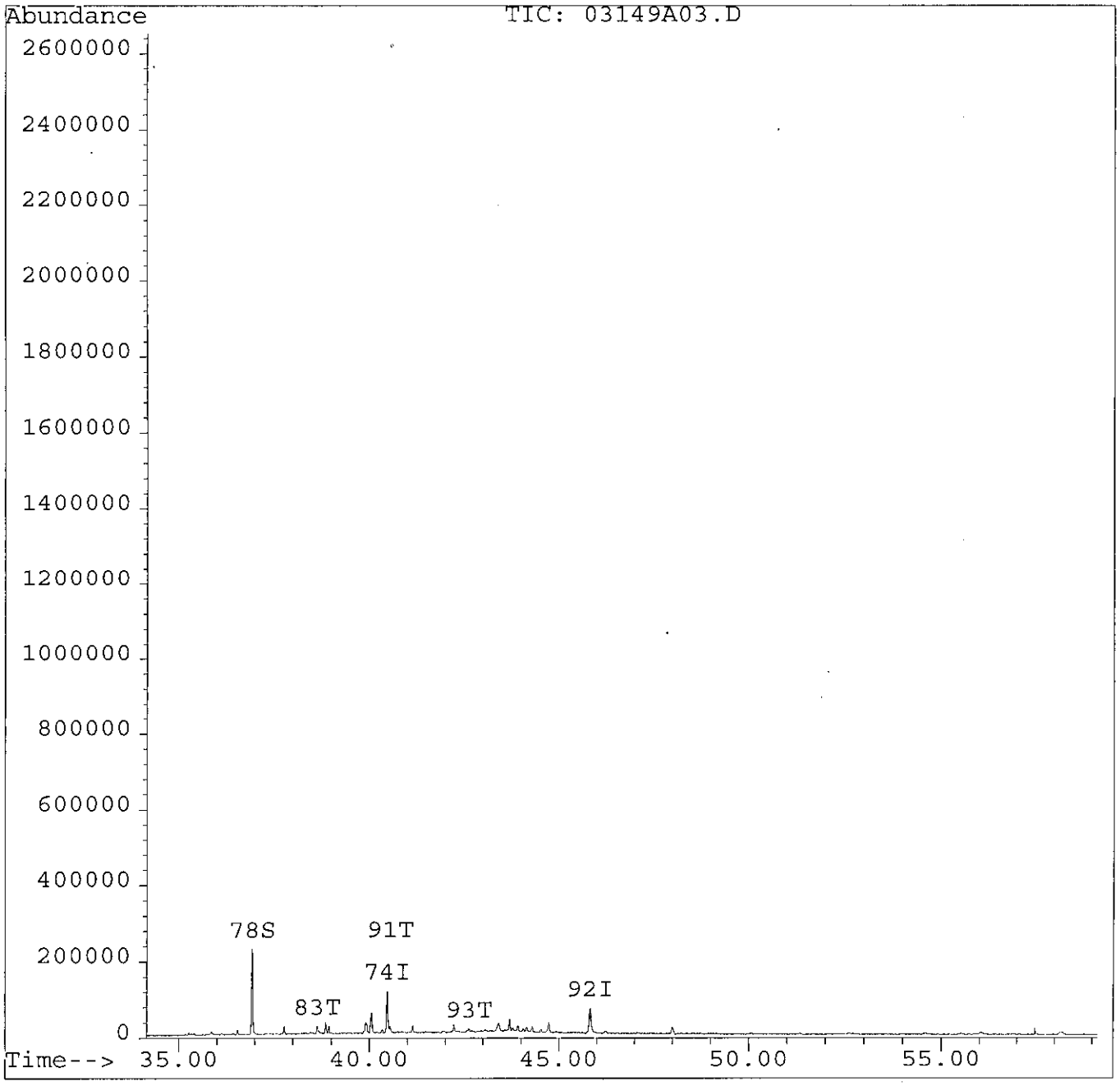


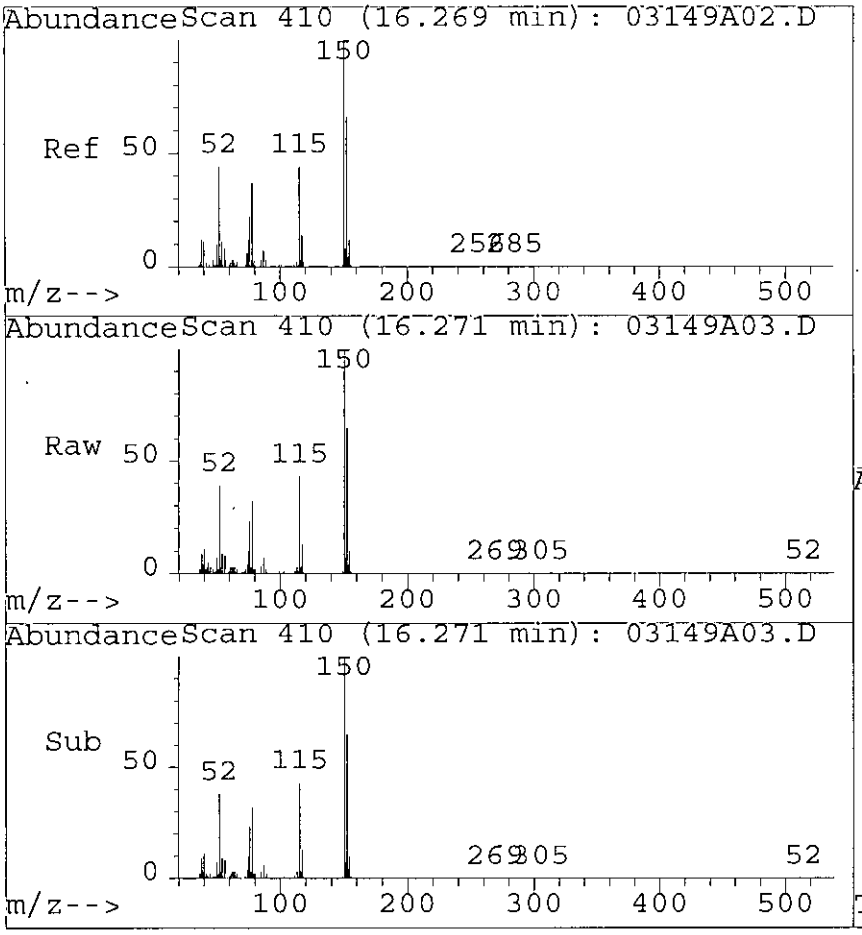
Quantitation Report

Data File : C:\HPCHEM\1\DATA\03149A03.D
Acq On : 14 Mar 99 12:01 pm
Sample : 67831
Misc : American Glue & Resin P#99187
Quant Time: Mar 14 13:04 1999

Vial: 3
Operator: ESAT
Inst : 5988
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\03149A01.M
Title : semivolatiles
Last Update : Sun Mar 14 11:59:08 1999
Response via : Single Level Calibration

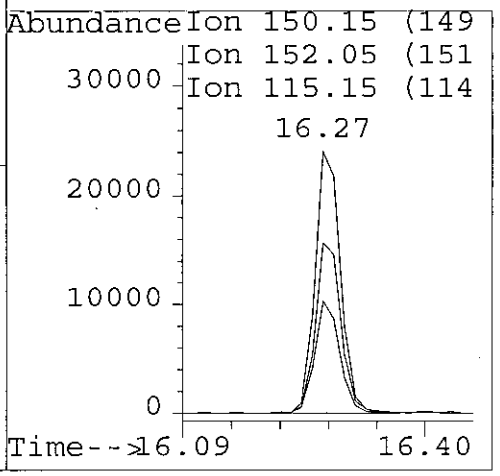


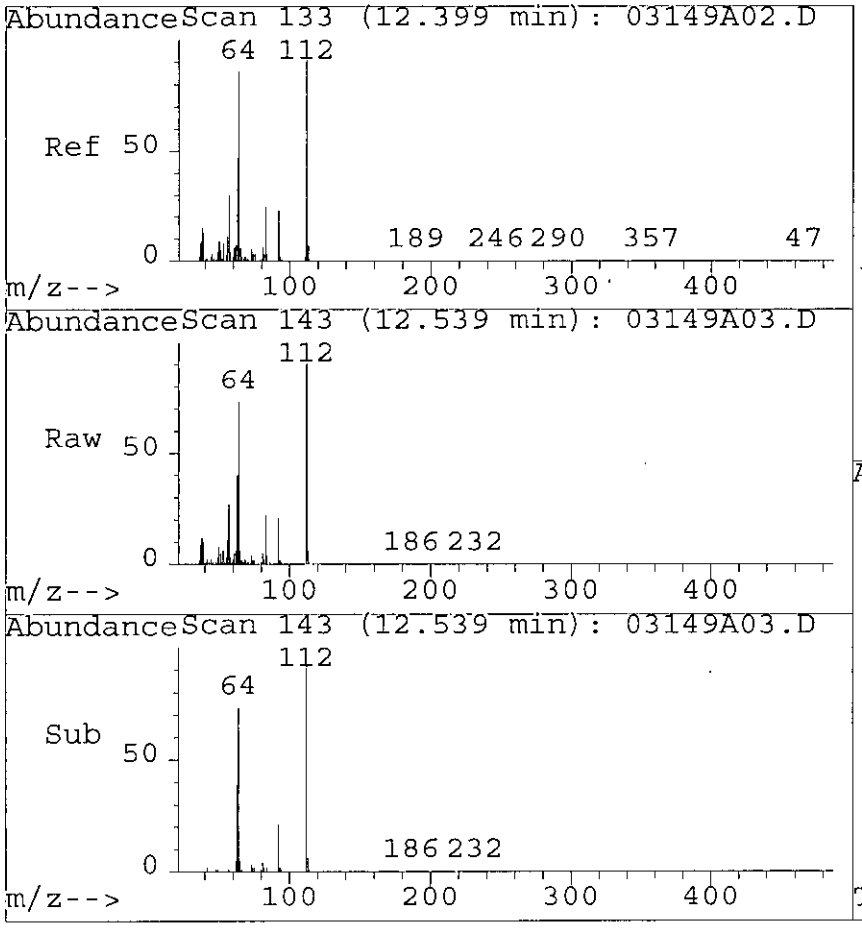


#1
1,4-DICHLOROBENZENE-D4
Concen: 40.00 ug/ml
RT: 16.27 min Scan# 410
Delta R.T. 0.00 min
Lab File: 03149A03.D
Acq: 14 Mar 99 12:01 pm

Tgt Ion:150.15 Resp: 55718

Ion	Ratio	Lower	Upper
150	100		
152	65.2	51.1	76.6
115	42.8	34.7	52.0
0	0.0	0.0	0.0

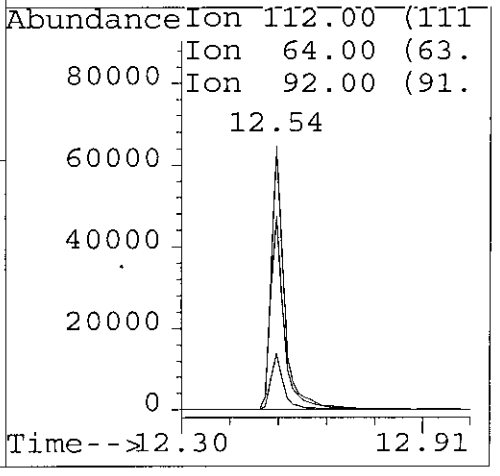


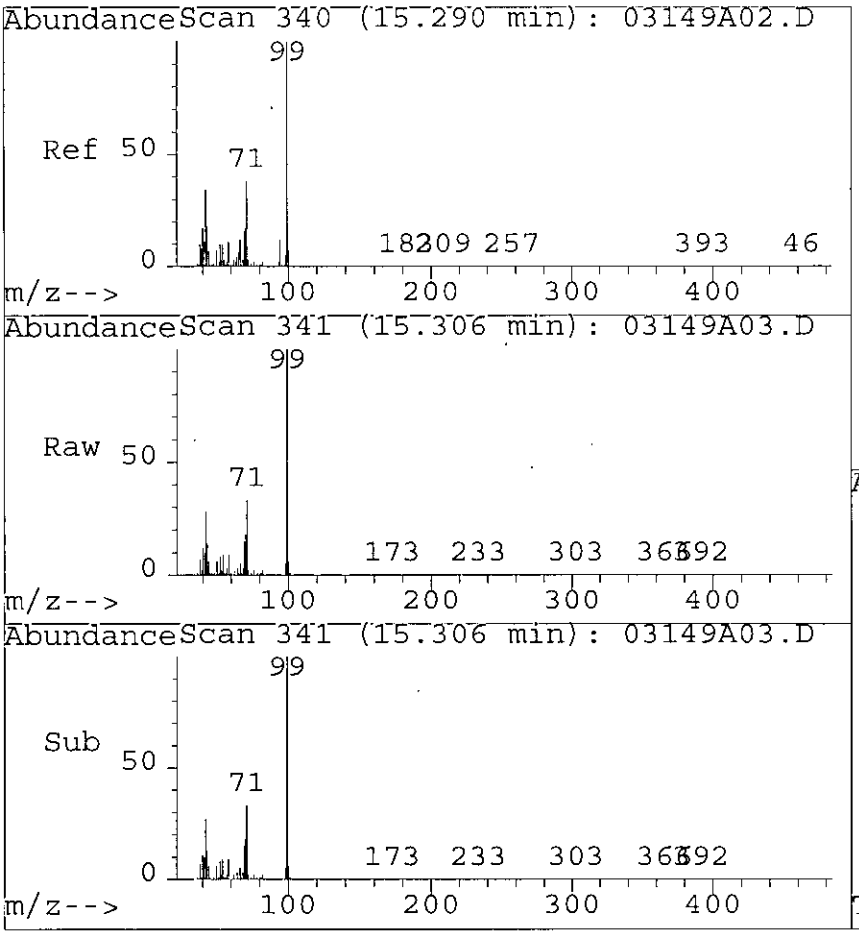


#2
FLUOROPHENOL
Concen: 132.03 ug/ml
RT: 12.54 min Scan# 143
Delta R.T. 0.14 min
Lab File: 03149A03.D
Acq: 14 Mar 99 12:01 pm

Tgt Ion:112 Resp: 149726

Ion	Ratio	Lower	Upper
112	100		
64	73.4	55.4	83.1
92	21.5	24.7	37.0#
0	0.0	0.0	0.0

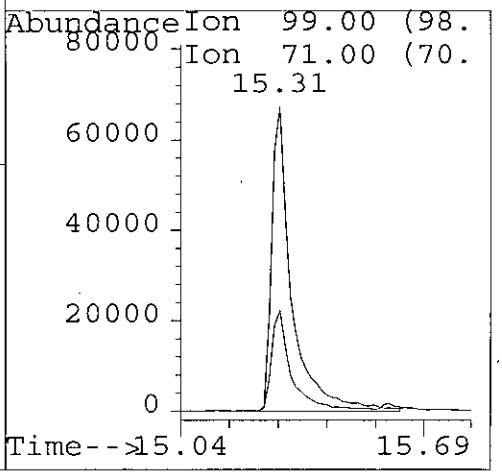


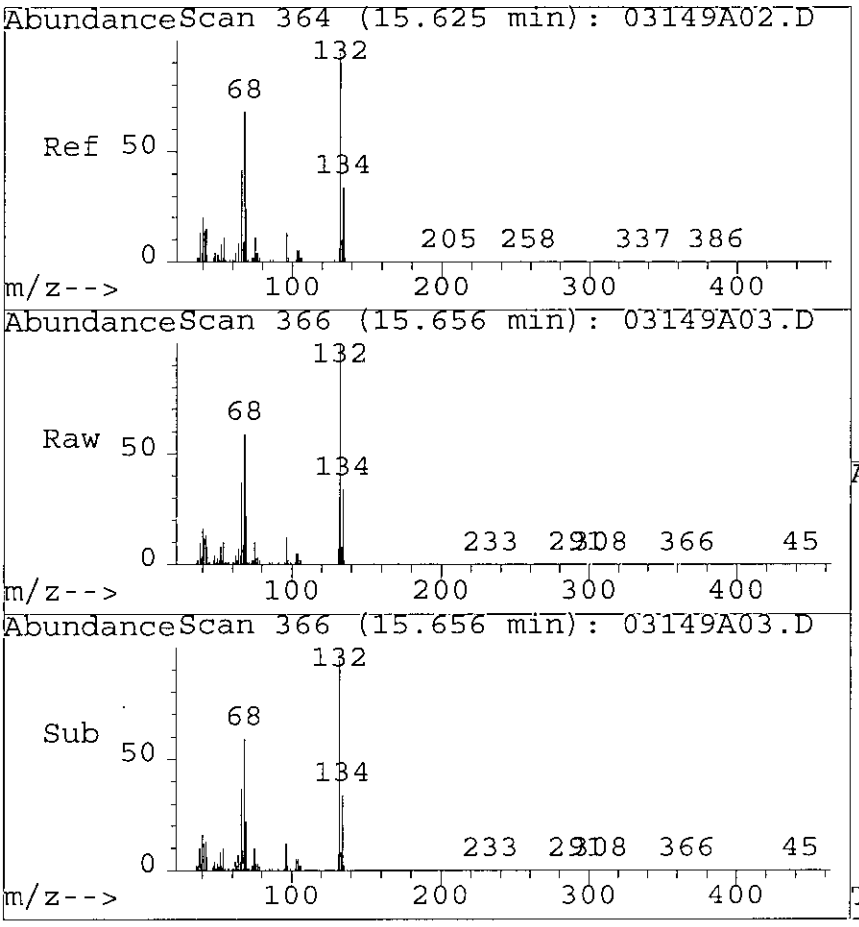


#4
PHENOL-D5
Concen: 160.28 ug/ml
RT: 15.31 min Scan# 341
Delta R.T. 0.02 min
Lab File: 03149A03.D
Acq: 14 Mar 99 12:01 pm

Tgt Ion:99 Resp: 250089

Ion	Ratio	Lower	Upper
99	100		
71	33.2	27.7	41.4
0	0.0	0.0	0.0
0	0.0	0.0	0.0

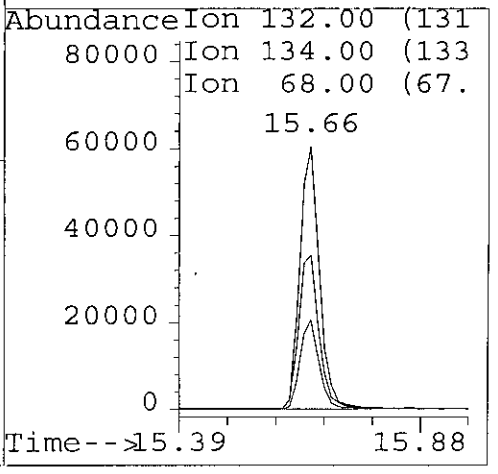


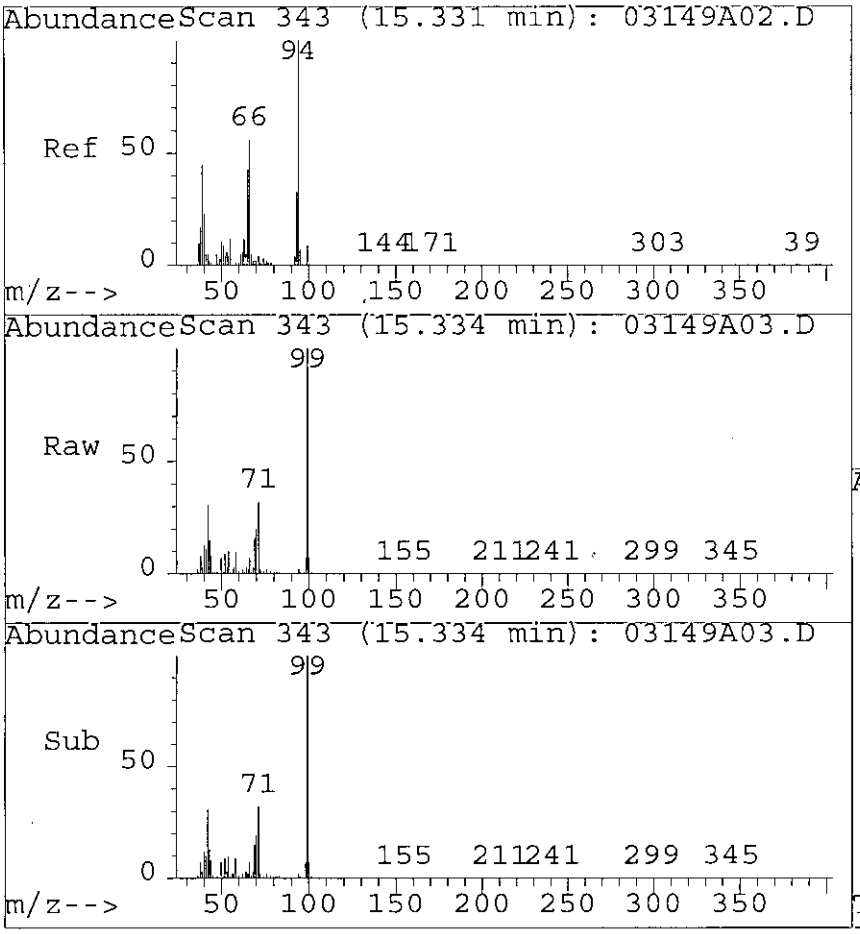


#5
2-CHLOROPHENOL-D4
Concen: 147.55 ug/ml
RT: 15.66 min Scan# 366
Delta R.T. 0.03 min
Lab File: 03149A03.D
Acq: 14 Mar 99 12:01 pm

Tgt Ion:132 Resp: 165670

Ion	Ratio	Lower	Upper
132	100		
134	34.2	24.0	35.9
68	58.8	40.0	59.9
0	0.0	0.0	0.0

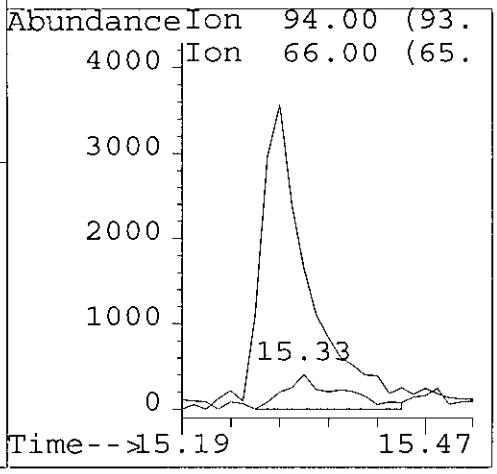


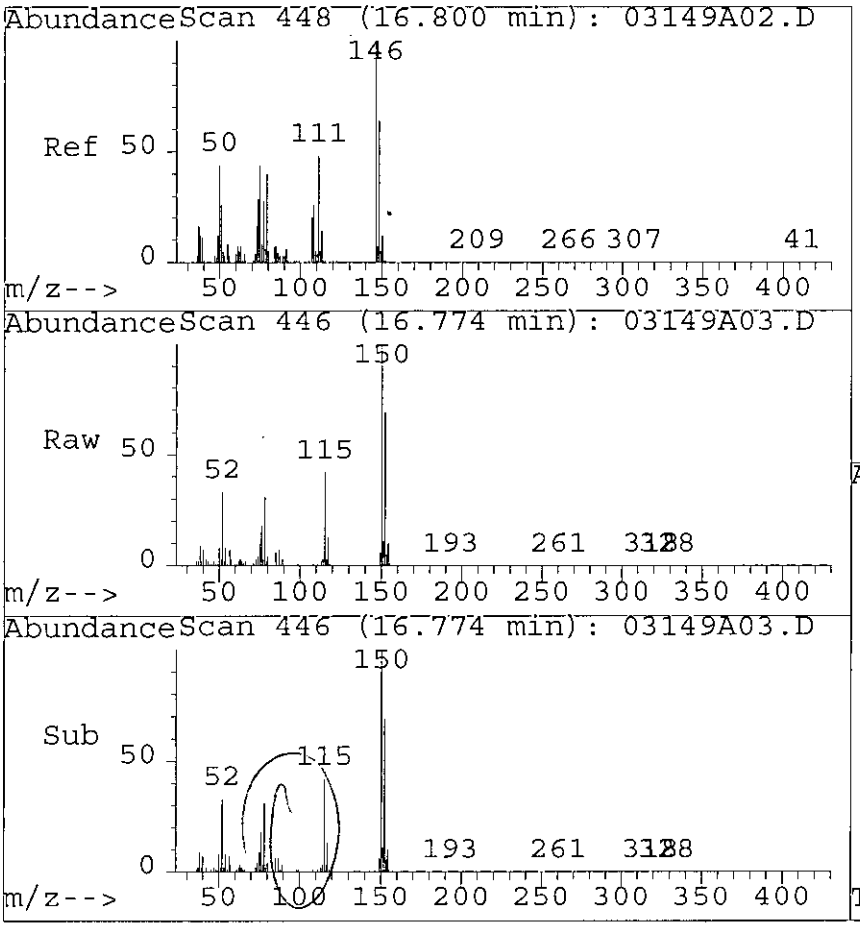


#6
PHENOL
Concen: 1.07 ug/ml
RT: 15.33 min Scan# 343
Delta R.T. 0.00 min
Lab File: 03149A03.D
Acq: 14 Mar 99 12:01 pm

Tgt Ion:94 Resp: 1800

Ion	Ratio	Lower	Upper
94	100		
66	406.4	35.1	52.6#
0	0.0	0.0	0.0
0	0.0	0.0	0.0

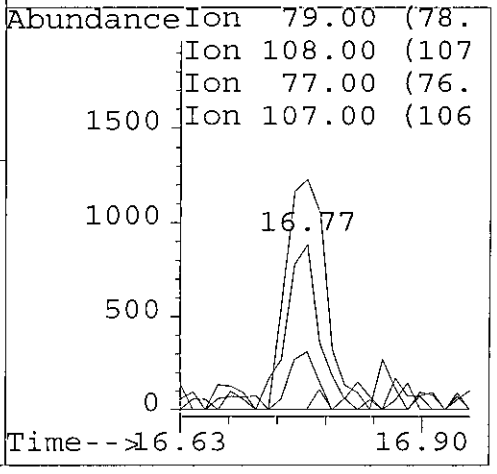


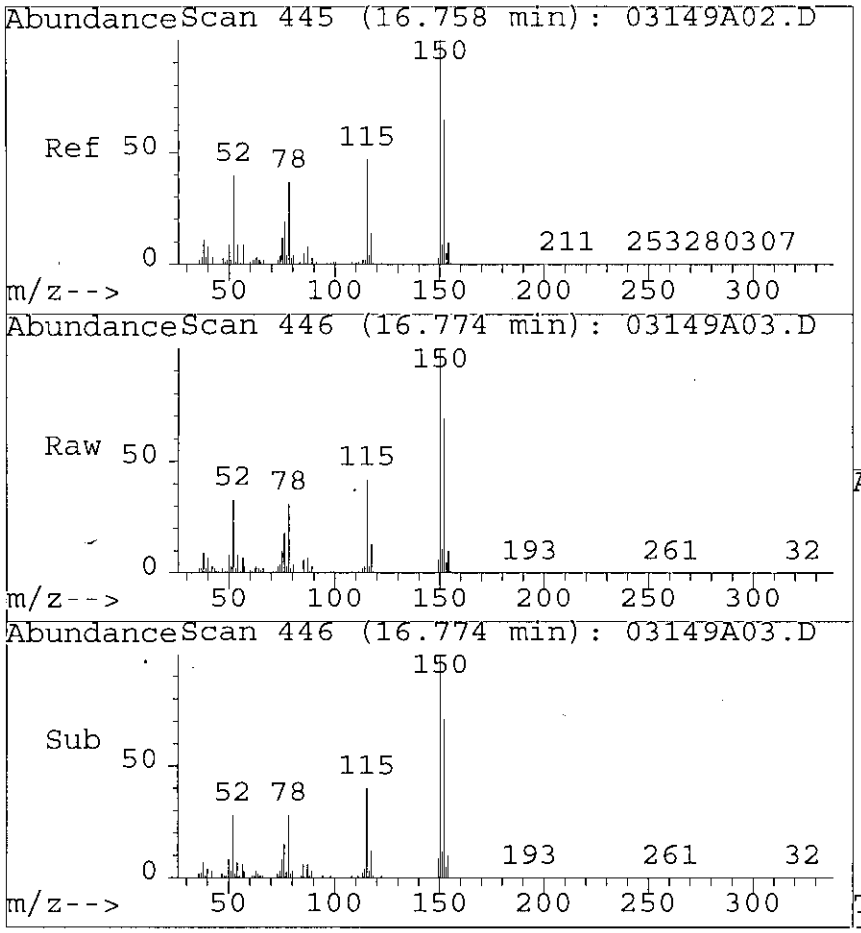


#11
BENZYL ALCOHOL
Concen: 2.30 ug/ml
RT: 16.77 min Scan# 446
Delta R.T. -0.03 min
Lab File: 03149A03.D
Acq: 14 Mar 99 12:01 pm

Tgt Ion:79 Resp: 2450

Ion	Ratio	Lower	Upper
79	100		
108	35.5	49.9	74.8#
77	139.3	53.8	80.7#
107	0.0	39.1	58.6#

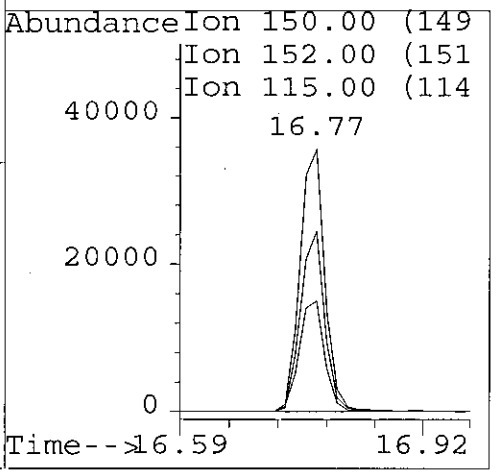


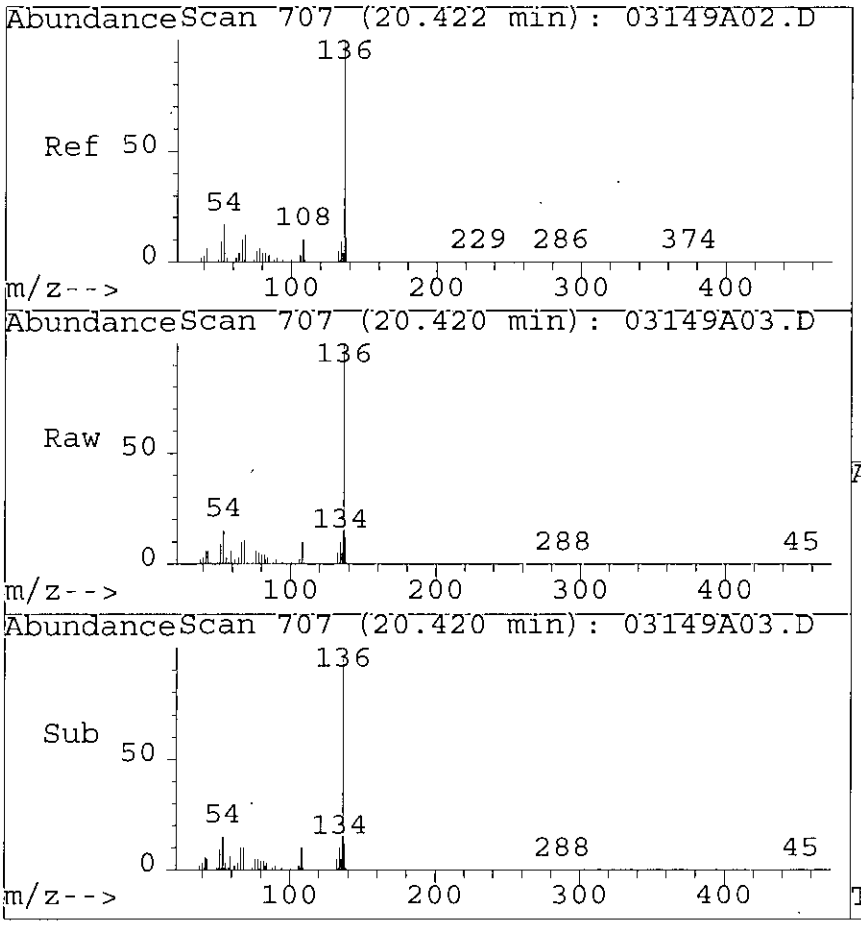


#12
1,2-DICHLOROBENZENE-D4
Concen: 64.29 ug/ml
RT: 16.77 min Scan# 446
Delta R.T. 0.02 min
Lab File: 03149A03.D
Acq: 14 Mar 99 12:01 pm

Tgt Ion:150 Resp: 82636

Ion	Ratio	Lower	Upper
150	100		
152	68.5	52.2	78.3
115	41.9	37.8	56.7
0	0.0	0.0	0.0

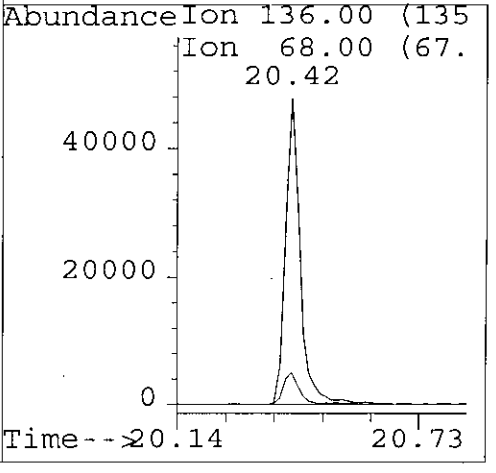


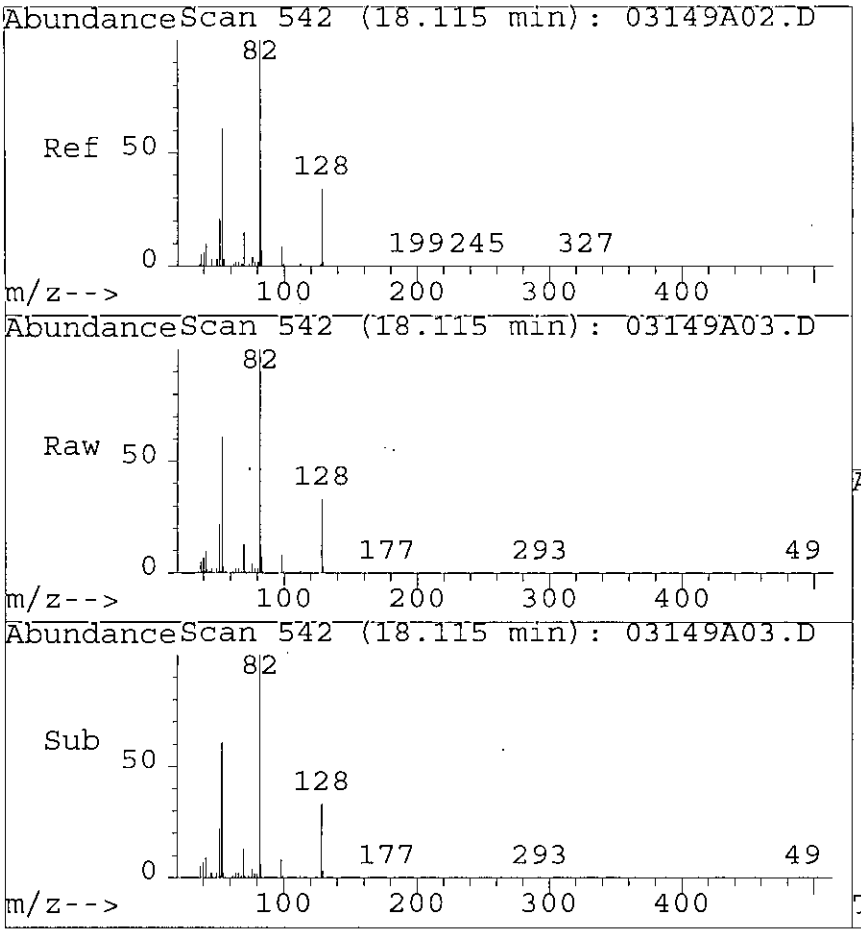


#19
NAPHTHALENE-D8
Concen: 40.00 ug/ml
RT: 20.42 min Scan# 707
Delta R.T. -0.00 min
Lab File: 03149A03.D
Acq: 14 Mar 99 12:01 pm

Tgt Ion:136 Resp: 120521

Ion	Ratio	Lower	Upper
136	100		
68	10.6	6.0	8.9#
0	0.0	0.0	0.0
0	0.0	0.0	0.0

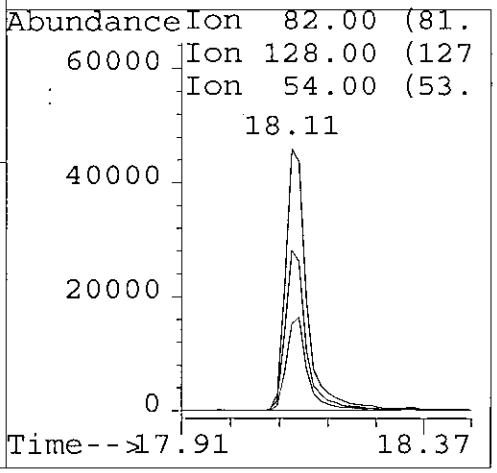


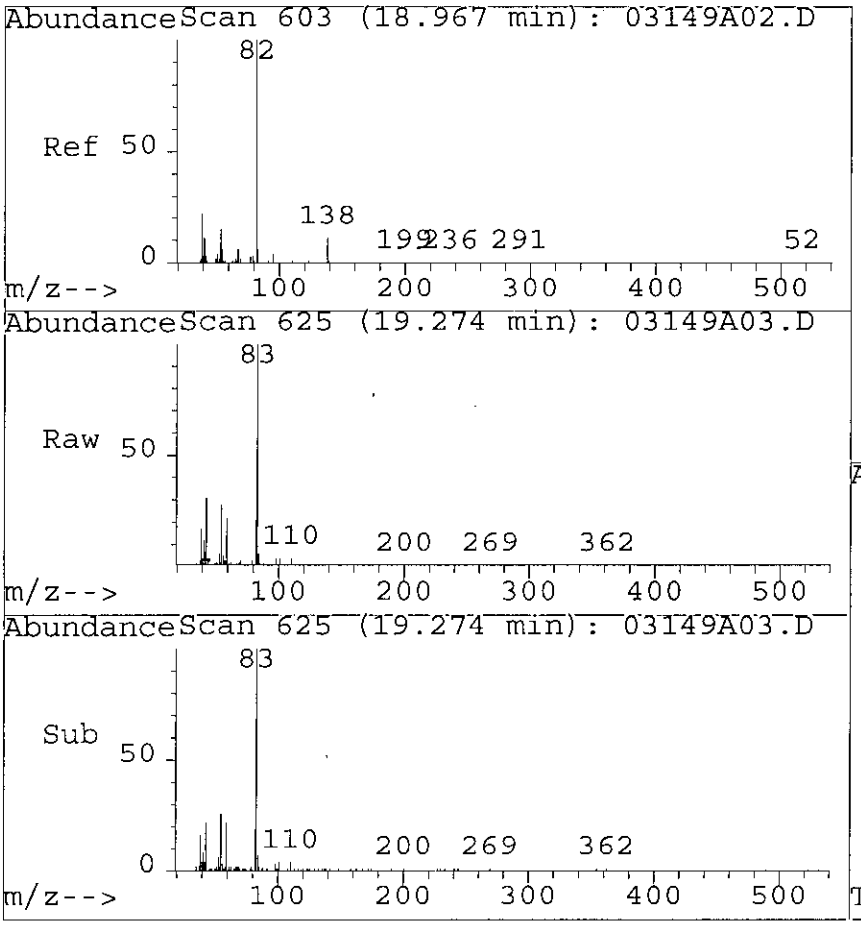


#20
NITROBENZENE-D5
Concen: 71.29 ug/ml
RT: 18.11 min Scan# 542
Delta R.T. 0.00 min
Lab File: 03149A03.D
Acq: 14 Mar 99 12:01 pm

Tgt Ion:82 Resp: 132212

Ion	Ratio	Lower	Upper
82	100		
128	33.1	34.4	51.5#
54	61.2	42.9	64.4
0	0.0	0.0	0.0

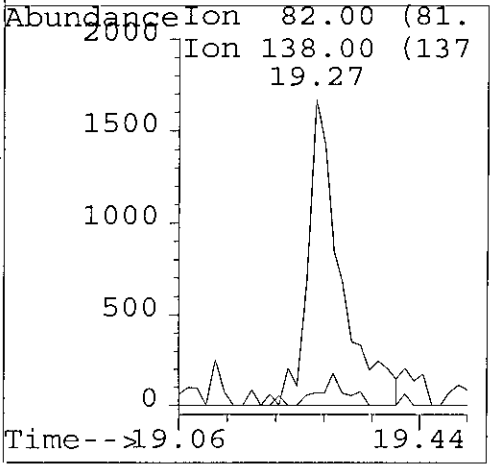


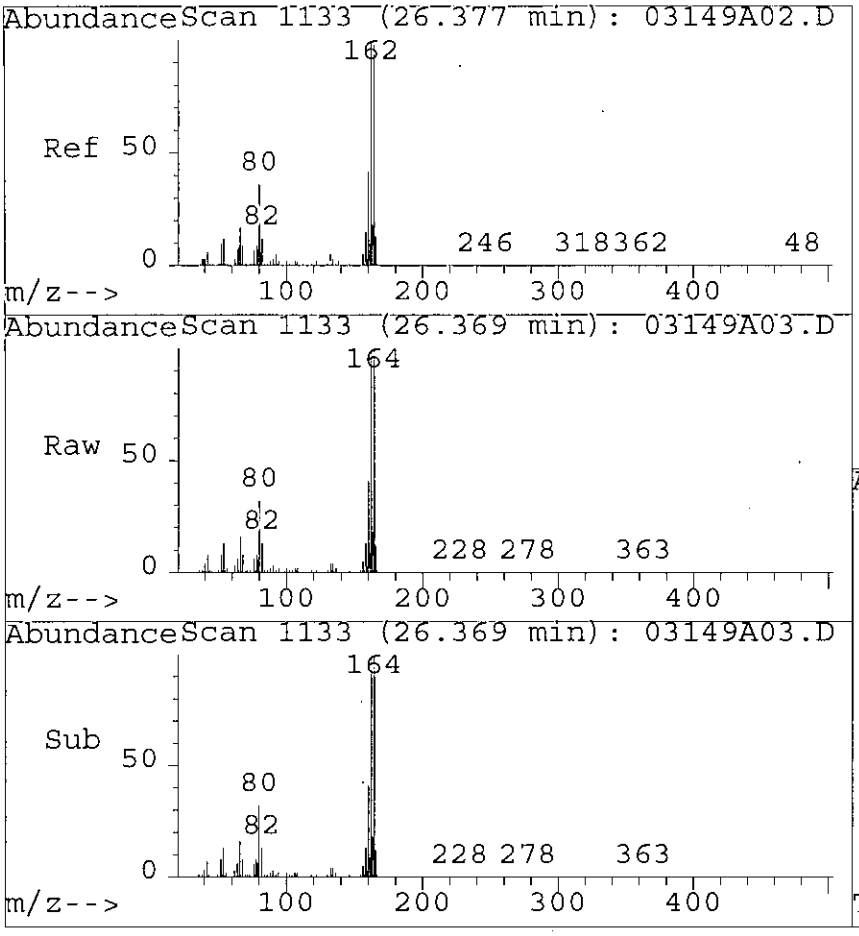


#22
ISOPHORONE
Concen: 1.85 ug/ml
RT: 19.27 min Scan# 625
Delta R.T. 0.31 min
Lab File: 03149A03.D
Acq: 14 Mar 99 12:01 pm

Tgt Ion:82 Resp: 5980

Ion	Ratio	Lower	Upper
82	100		
138	4.1	11.2	16.7#
0	0.0	0.0	0.0
0	0.0	0.0	0.0

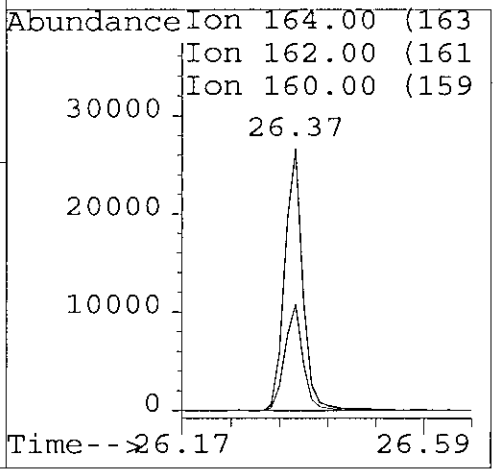


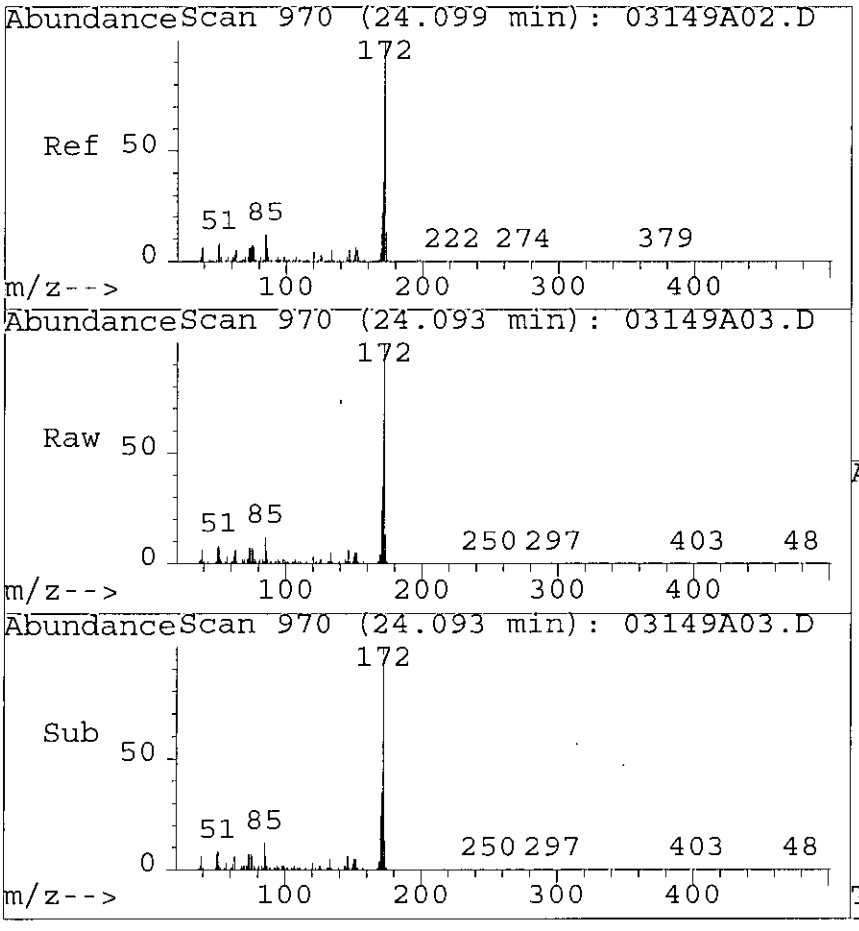


#34
ACENAPHTHENE-D10
Concen: 40.00 ug/ml
RT: 26.37 min Scan# 1133
Delta R.T. -0.01 min
Lab File: 03149A03.D
Acq: 14 Mar 99 12:01 pm

Tgt Ion:164 Resp: 58021

Ion	Ratio	Lower	Upper
164	100		
162	100.5	82.3	123.4
160	40.8	33.6	50.3
0	0.0	0.0	0.0

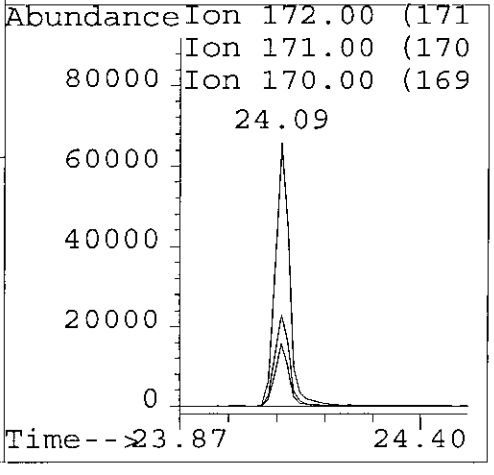


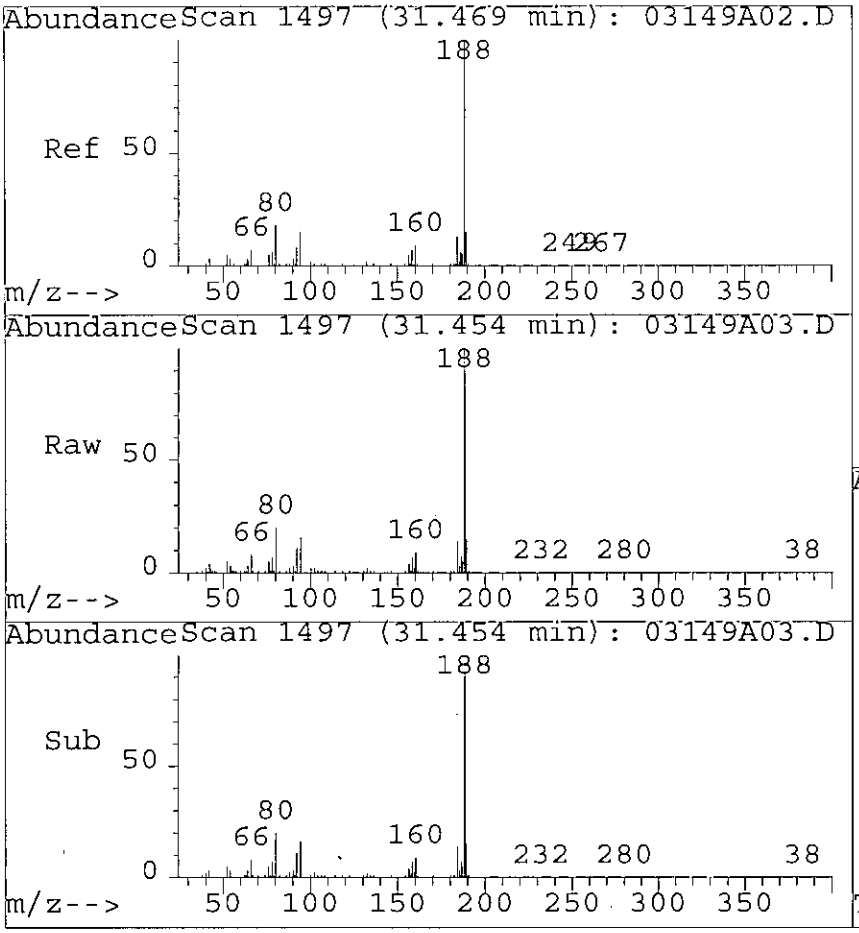


#38
FLUOROBIPHENYL
Concen: 75.86 ug/ml
RT: 24.09 min Scan# 970
Delta R.T. -0.01 min
Lab File: 03149A03.D
Acq: 14 Mar 99 12:01 pm

Tgt Ion:172 Resp: 144211

Ion	Ratio	Lower	Upper
172	100		
171	35.0	30.5	45.8
170	24.2	18.4	27.5
0	0.0	0.0	0.0

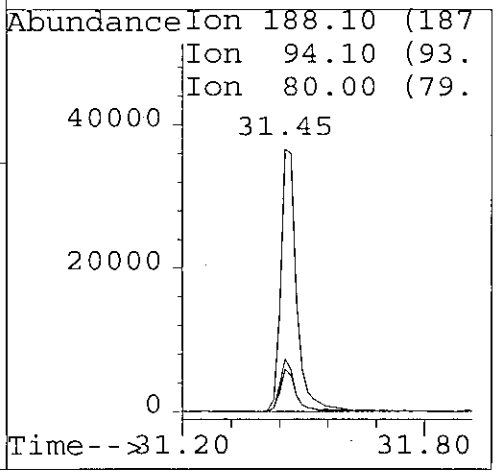


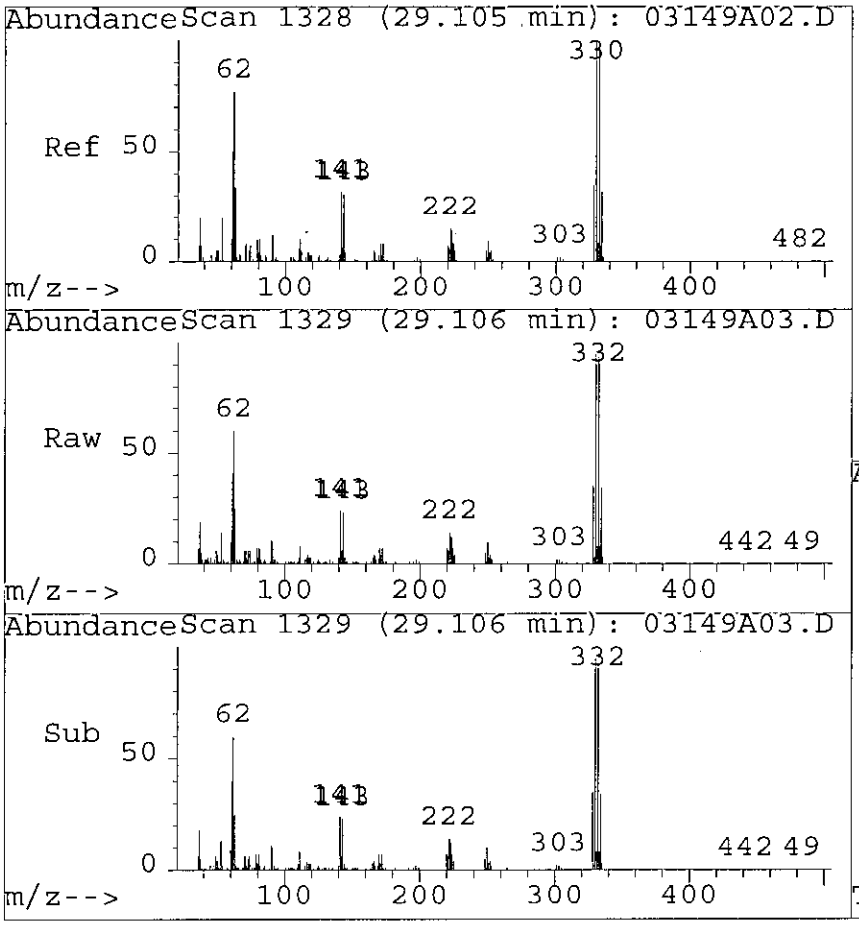


#54
PHENANTHRENE-D10
Concen: 40.00 ug/ml
RT: 31.45 min Scan# 1497
Delta R.T. -0.02 min
Lab File: 03149A03.D
Acq: 14 Mar 99 12:01 pm

Tgt Ion:188.1 Resp: 100075

Ion	Ratio	Lower	Upper
188	100		
94	16.2	11.6	17.3
80	20.0	13.7	20.5
0	0.0	0.0	0.0

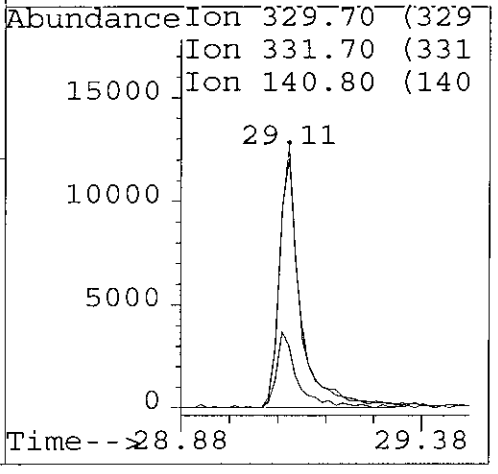


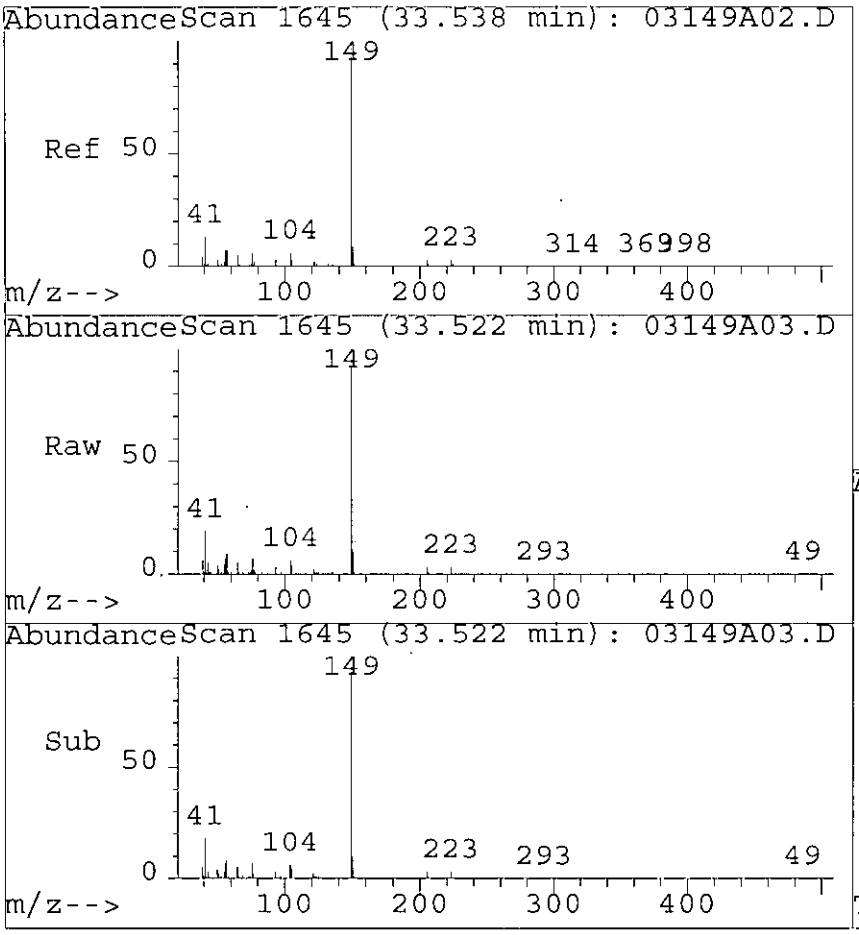


#58
2,4,6-TRIBROMOPHENOL
Concen: 90.94 ug/ml
RT: 29.11 min Scan# 1329
Delta R.T. 0.00 min
Lab File: 03149A03.D
Acq: 14 Mar 99 12:01 pm

Tgt Ion:329.7 Resp: 37255

Ion	Ratio	Lower	Upper
330	100		
332	105.6	69.7	104.5#
141	25.5	30.9	46.4#
0	0.0	0.0	0.0

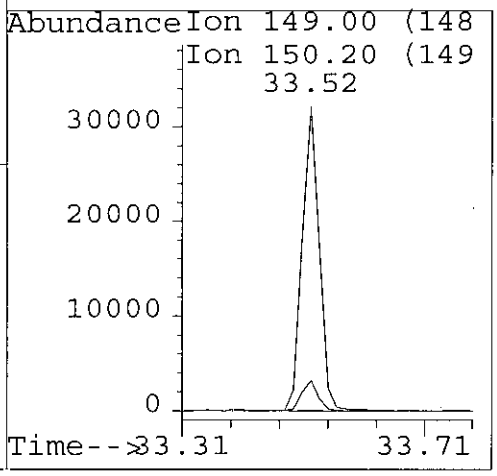


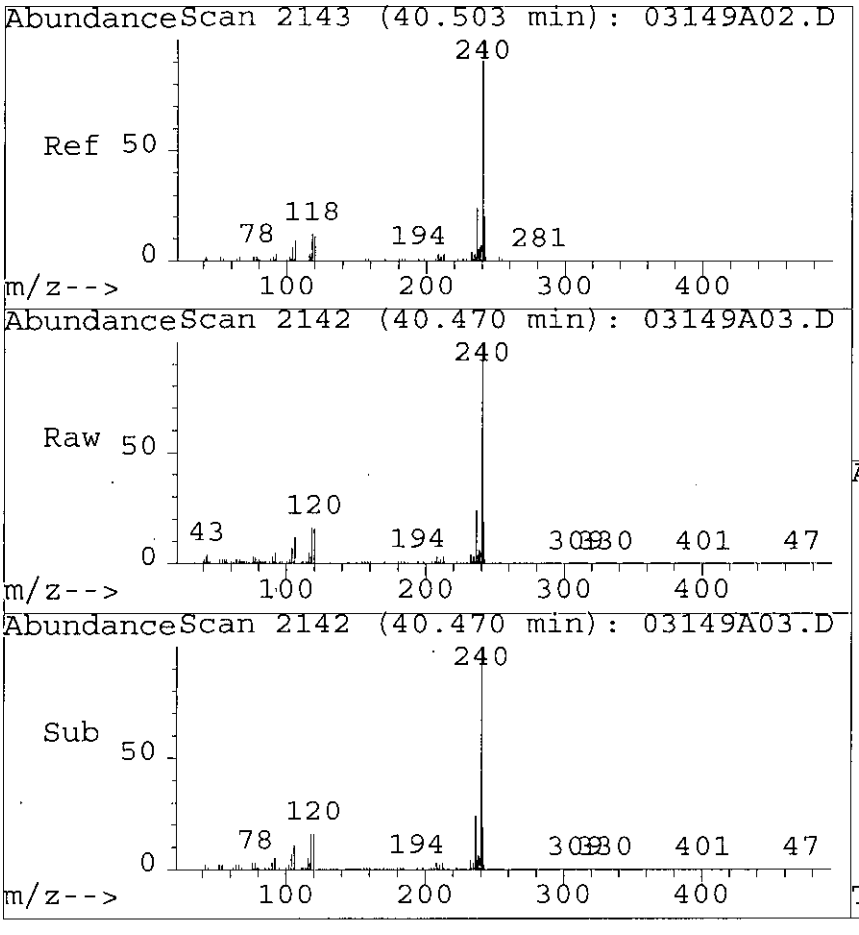


#70
DIBUTYLPHTHALATE
Concen: 17.41 ug/ml
RT: 33.52 min Scan# 1645
Delta R.T. -0.02 min
Lab File: 03149A03.D
Acq: 14 Mar 99 12:01 pm

Tgt Ion:149 Resp: 61819

Ion	Ratio	Lower	Upper
149	100		
150	9.9	7.1	10.6
0	0.0	0.0	0.0
0	0.0	0.0	0.0

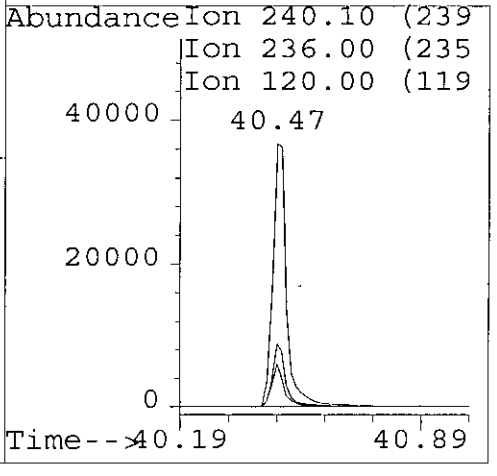


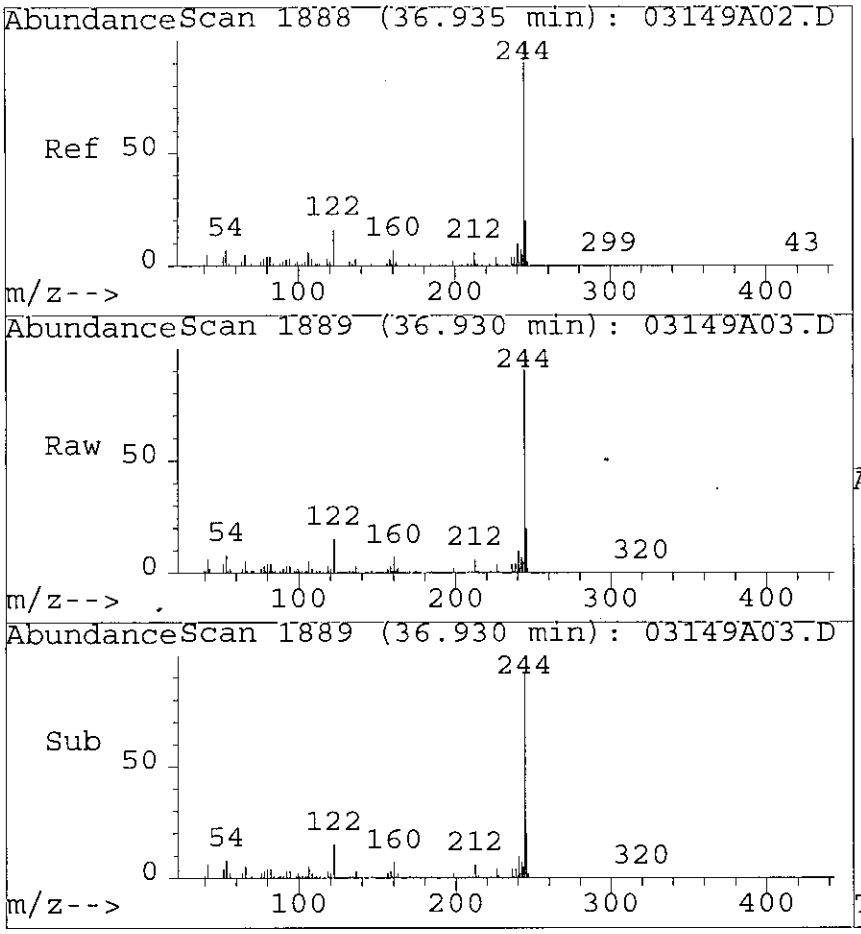


#74
CHRYSENE-D12
Concen: 40.00 ug/ml
RT: 40.47 min Scan# 2142
Delta R.T. -0.03 min
Lab File: 03149A03.D
Acq: 14 Mar 99 12:01 pm

Tgt Ion:240.1 Resp: 103519

Ion	Ratio	Lower	Upper
240	100		
236	24.1	20.6	30.9
120	16.4	17.5	26.2#
0	0.0	0.0	0.0

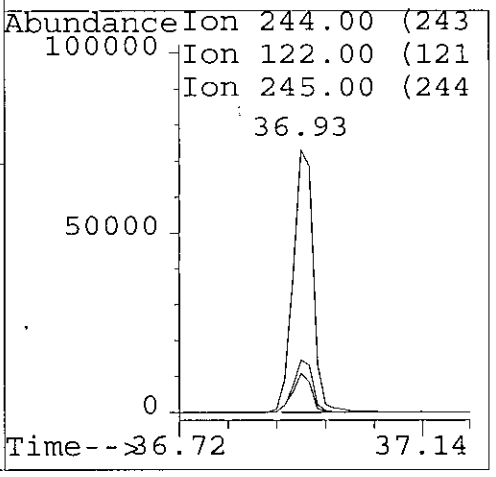


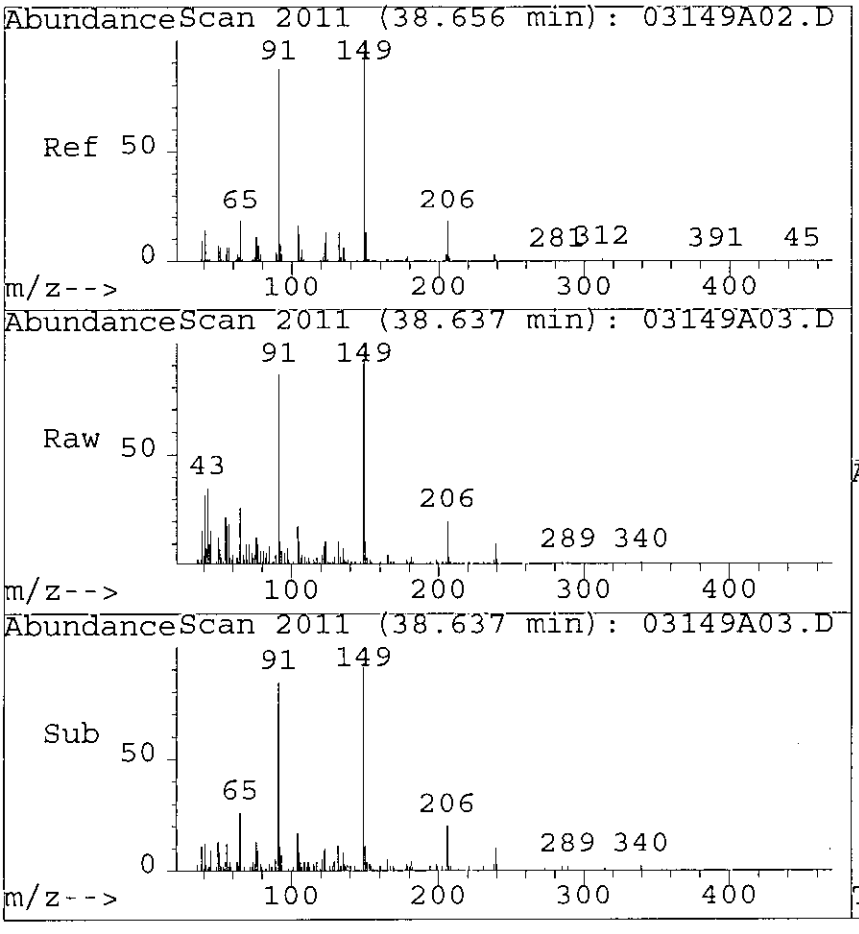


#78
P-TERPHENYL-D14
Concen: 69.30 ug/ml
RT: 36.93 min Scan# 1889
Delta R.T. -0.00 min
Lab File: 03149A03.D
Acq: 14 Mar 99 12:01 pm

Tgt Ion:244 Resp: 176346

Ion	Ratio	Lower	Upper
244	100		
122	14.8	15.3	23.0#
245	19.9	15.6	23.3
0	0.0	0.0	0.0

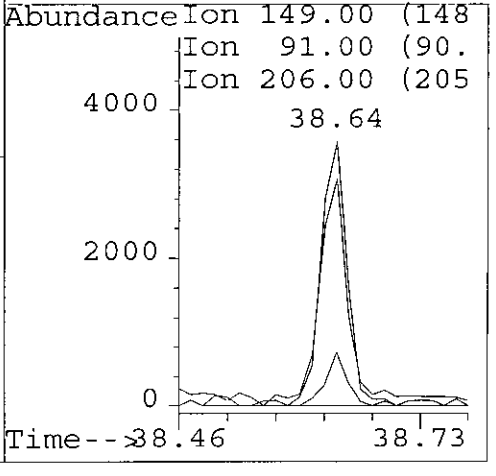


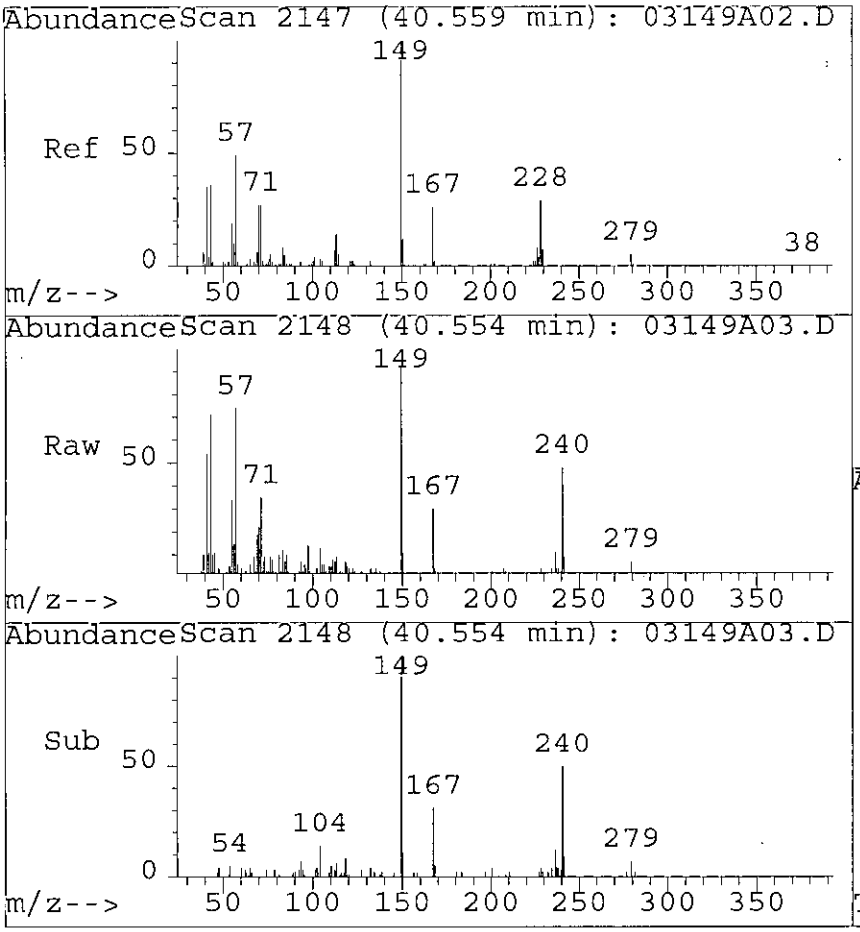


#83
BUTYLBENZYLPHTHALATE
Concen: 4.42 ug/ml
RT: 38.64 min Scan# 2011
Delta R.T. -0.02 min
Lab File: 03149A03.D
Acq: 14 Mar 99 12:01 pm

Tgt Ion:149 Resp: 7664

Ion	Ratio	Lower	Upper
149	100		
91	86.3	65.3	97.8
206	20.5	11.5	17.2#
0	0.0	0.0	0.0

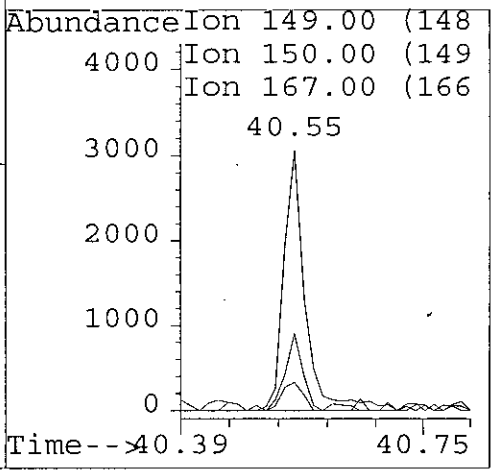


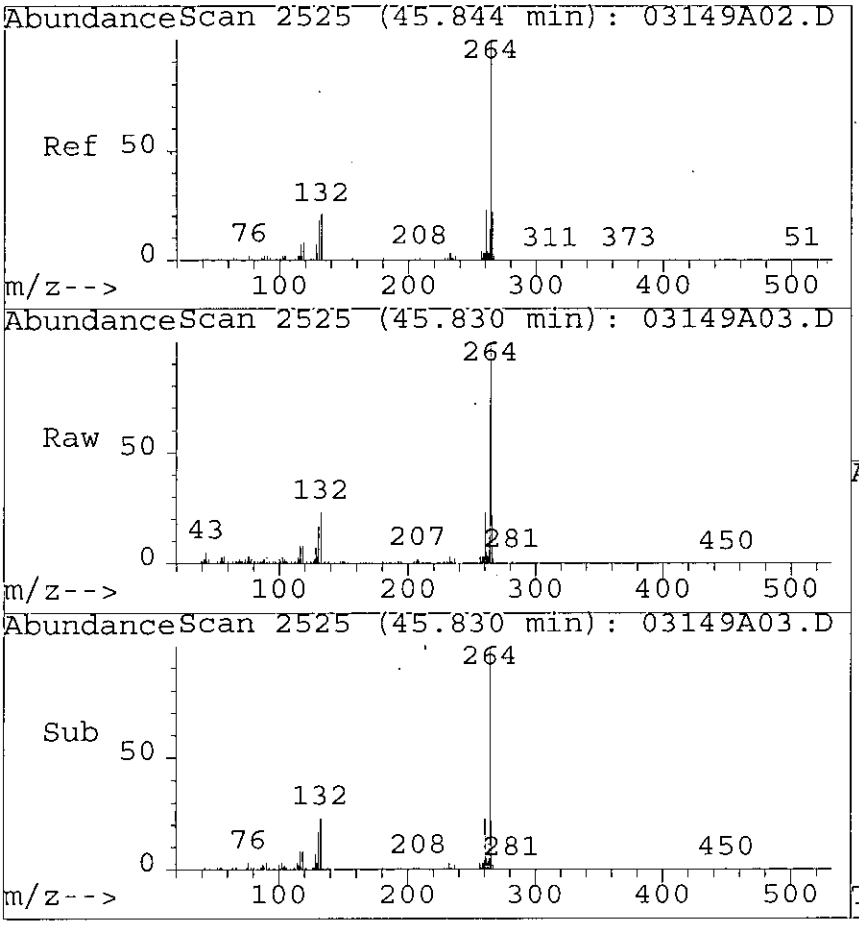


#91
BIS(2-ETHYLHEXYL)PHTHALATE
Concen: 2.77 ug/ml
RT: 40.55 min Scan# 2148
Delta R.T. -0.00 min
Lab File: 03149A03.D
Acq: 14 Mar 99 12:01 pm

Tgt Ion:149 Resp: 6723

Ion	Ratio	Lower	Upper
149	100		
150	10.8	9.5	14.2
167	29.5	20.5	30.7
0	0.0	0.0	0.0

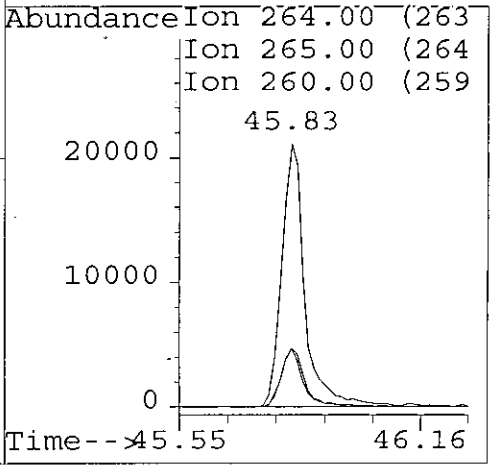


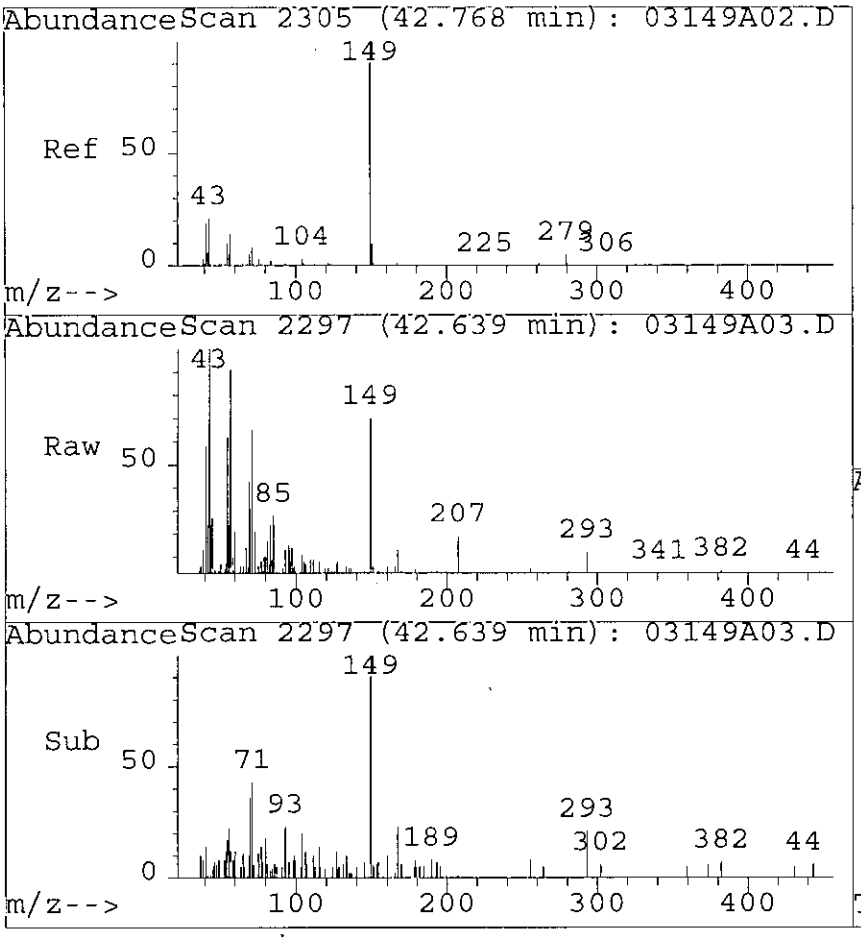


#92
PERYLENE-D12
Concen: 40.00 ug/ml
RT: 45.83 min Scan# 2525
Delta R.T. -0.01 min
Lab File: 03149A03.D
Acq: 14 Mar 99 12:01 pm

Tgt Ion:264 Resp: 84948

Ion	Ratio	Lower	Upper
264	100		
265	22.4	17.1	25.6
260	22.7	19.3	28.9
0	0.0	0.0	0.0

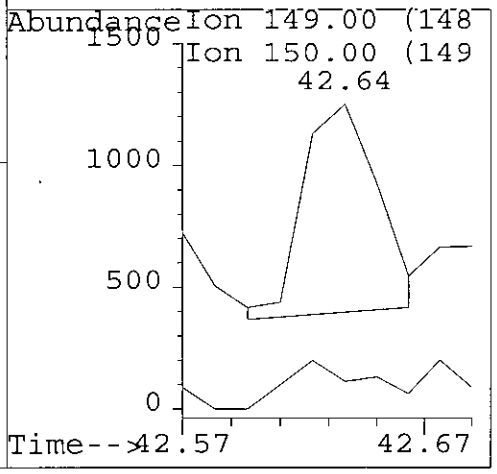




#93
DI-N-OCTYLPHTHALATE
Concen: 0.53 ug/ml
RT: 42.64 min Scan# 2297
Delta R.T. -0.13 min
Lab File: 03149A03.D
Acq: 14 Mar 99 12:01 pm

Tgt Ion:149 Resp: 1965

Ion	Ratio	Lower	Upper
149	100		
150	9.0	8.1	12.1
0	0.0	0.0	0.0
0	0.0	0.0	0.0



TIC: 03149A03.D

67831

Peak#	Ret Time	Type	Width	Area	Start Time	End Time
1	11.059	rBV	0.112	15677	10.989	11.100
2	11.240	rVV	0.126	49658	11.170	11.296
3	11.980	rVB	0.838	50677716	11.310	12.148
4	12.539	rBV	0.307	629853-S	12.455	12.763
5	13.084	rBV	0.112	30364	13.042	13.154
6	13.672	rBV	0.307	157750 TIC	13.630	13.937
7	14.510	rBV	0.182	50632	14.454	14.636
8	14.692	rVB	0.112	14674	14.650	14.761
9	15.306	rBV	0.238	787224-S	15.222	15.460
10	15.516	rVV	0.112	118251	15.460	15.572
11	15.656	rVB	0.266	831534-S	15.572	15.838
12	16.215	rBV	0.056	29463	16.173	16.229
13	16.271	rVV	0.126	256620-IS	16.229	16.355
14	16.774	rVV	0.182	406195-S	16.690	16.872
15	16.914	rVB	0.098	13361	16.872	16.969
16	17.137	rBV	0.154	25379	17.081	17.235
17	17.487	rVB	0.084	13111	17.458	17.542
18	17.780	rBV	0.098	10742	17.724	17.822
19	18.115	rBV	0.265	405918-S	18.045	18.310
20	18.338	rBV	0.084	21980	18.310	18.394
21	18.520	rVB	0.154	19773	18.478	18.632
22	18.674	rBV	0.098	12012	18.632	18.729
23	19.274	rBV	0.265	85443	19.190	19.456
24	20.420	rVB	0.336	369425-IS	20.322	20.657
25	21.844	rBV	0.112	12890	21.760	21.872
26	22.207	rBV	0.140	17384	22.152	22.291
27	22.612	rBV	0.126	12471	22.542	22.668
28	23.143	rBV	0.251	312778 TIC	23.031	23.282
29	23.743	rBV	0.112	16179	23.687	23.799
30	23.995	rBV	0.112	14345	23.925	24.037
31	24.093	rVV	0.210	486227-S	24.037	24.246
32	24.609	rBV	0.126	10605	24.582	24.707
33	26.369	rVB	0.238	301540-IS	26.313	26.551
34	27.319	rBV	0.154	13964	27.221	27.375
35	29.106	rBV	0.238	329449-S	29.022	29.260
36	29.525	rVB	0.140	10163	29.483	29.623
37	30.112	rVB	0.126	12738	30.070	30.196
38	31.077	rBV	0.112	10254	31.021	31.133
39	31.454	rBV	0.238	289027-IS	31.370	31.607
40	31.748	rBV	0.112	10333	31.678	31.790
41	32.655	rBV	0.098	10252	32.613	32.711
42	32.921	rBV	0.098	12625	32.865	32.963
43	33.437	rBV	0.098	42503	33.382	33.479
44	33.522	rVB	0.140	143563-T	33.479	33.619
45	35.267	rBV	0.056	11046	35.239	35.295
46	35.407	rVB	0.098	12194	35.365	35.463
47	35.742	rBV	0.098	10520	35.672	35.770
48	35.854	rVV	0.154	24285	35.798	35.952
49	36.441	rVB	0.140	16876	36.371	36.511
50	36.539	rBV	0.140	33344	36.511	36.651
51	36.930	rBV	0.196	533041-S	36.860	37.056
52	37.770	rVB	0.098	41302	37.728	37.826
53	38.455	rBV	0.070	10717	38.413	38.483
54	38.637	rBV	0.140	62328-T	38.581	38.721
55	38.861	rBV	0.084	57062	38.819	38.903

56	38.945	rVB	0.084	40997	38.903	38.987
57	39.924	rBV	0.168	116201 TIC	39.826	39.994
58	40.064	rVB	0.168	156323 TIC	39.994	40.162
59	40.344	rVB	0.070	18451	40.316	40.386
60	40.470	rBV	0.126	278837-IS	40.400	40.526
61	41.142	rBV	0.098	35111	41.086	41.184
62	41.967	rBV	0.154	17899	41.897	42.051
63	42.233	rBV	0.084	40337	42.205	42.289
64	42.639	rBV	0.154	32326	42.527	42.681
65	43.408	rVV	0.210	95533 TIC	43.311	43.520
66	43.576	rVV	0.056	11500	43.548	43.604
67	43.703	rVV	0.084	74875	43.660	43.744
68	43.786	rVV	0.098	31854	43.744	43.842
69	43.926	rVV	0.126	48015	43.870	43.996
70	44.066	rVV	0.098	24866	44.010	44.108
71	44.150	rVV	0.112	36582	44.108	44.220
72	44.290	rVB	0.196	52590	44.234	44.430
73	44.528	rVB	0.126	23268	44.472	44.598
74	44.738	rBV	0.154	78413	44.654	44.808
75	45.830	rBV	0.308	281111-IS	45.718	46.026
76	46.249	rBV	0.182	25331	46.166	46.347
77	48.013	rVB	0.140	72495	47.942	48.083
78	48.250	rBV	0.112	12546	48.181	48.293
79	50.055	rVB	0.084	10869	50.041	50.125
80	51.341	rVB	0.126	15337	51.299	51.425
81	52.614	rBV	0.126	16767	52.544	52.670
82	54.600	rBV	0.182	25635	54.516	54.698
83	56.068	rVB	0.168	26123	55.997	56.165
84	56.529	rVB	0.126	11342	56.515	56.640
85	57.059	rVB	0.112	11021	57.031	57.143
86	57.478	rBV	0.084	16292	57.436	57.520
87	57.716	rBV	0.126	10372	57.702	57.828
88	58.177	rBV	0.280	63774	58.051	58.331

Library Search Compound Report

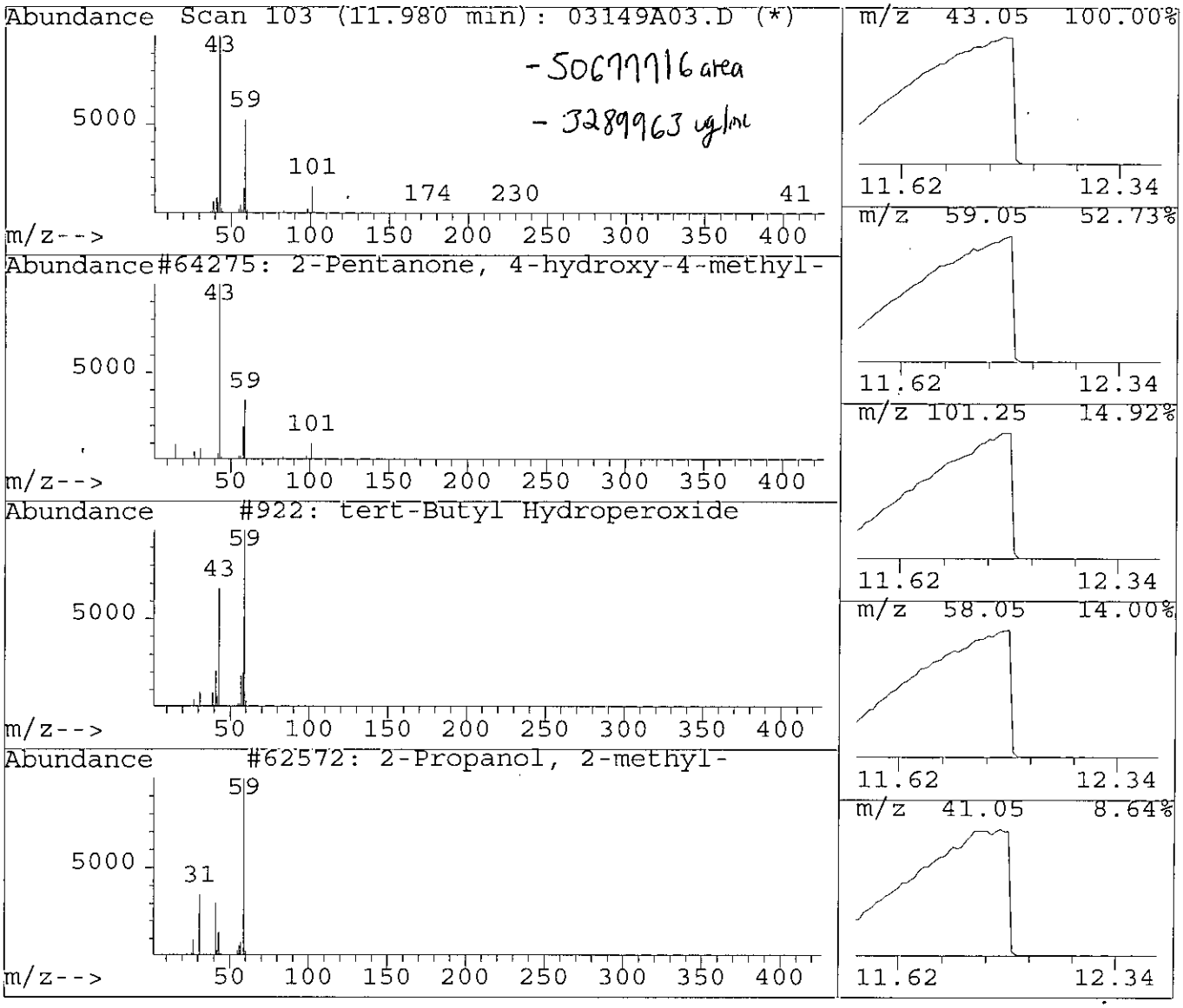
Data File : C:\HPCHEM\1\DATA\03149A03.D
Acq On : 14 Mar 99 12:01 pm
Sample : 67831
Misc : American Glue & Resin P#99187

Vial: 3
Operator: ESAT
Inst : 5988
Multiplr: 416.49

Method : C:\HPCHEM\1\METHODS\03149A01.M
Title : semivolatiles
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	R.T.
11.98	3289267.41 ug/ml	50666626	1,4-DICHLOROBENZENE-D4	16.27

Hit# of 20	Tentative ID	Ref#	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	64275	000123-42-2	50
2	tert-Butyl Hydroperoxide	922	000075-91-2	33
3	2-Propanol, 2-methyl-	62572	000075-65-0	25
4	CH2=CHCH2C(O)OCH3	1448	003724-55-8	12
5	3-Hydroxy-2-pentanone	1691	003142-66-3	9



Library Search Compound Report

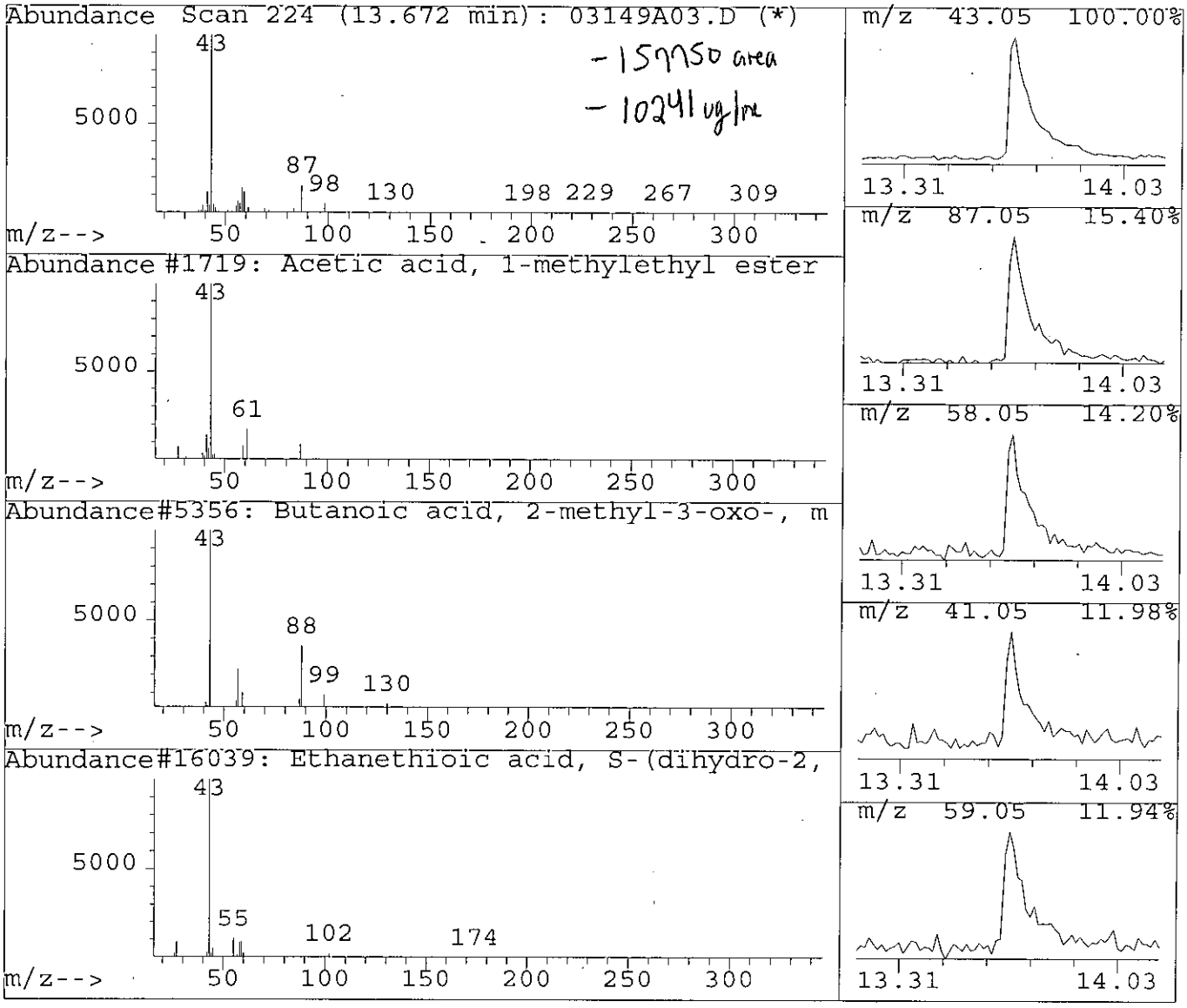
Data File : C:\HPCHEM\1\DATA\03149A03.D
Acq On : 14 Mar 99 12:01 pm
Sample : 67831
Misc : American Glue & Resin P#99187

Vial: 3
Operator: ESAT
Inst : 5988
Multiplr: 416.49

Method : C:\HPCHEM\1\METHODS\03149A01.M
Title : semivolatiles
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	R.T.
13.67	10259.08 ug/ml	158027	1,4-DICHLOROBENZENE-D4	16.27

Hit# of 20	Tentative ID	Ref#	CAS#	Qual
1	Acetic acid, 1-methylethyl ester	1719	000108-21-4	38
2	Butanoic acid, 2-methyl-3-oxo-, met	5356	017094-21-2	28
3	Ethanethioic acid, S-(dihydro-2,5-d	16039	006953-60-2	28
4	1-Butoxy-2-propanol acetate	16191	000000-00-0	23
5	Acetic acid, 1-methylpropyl ester	64337	000105-46-4	17



Library Search Compound Report

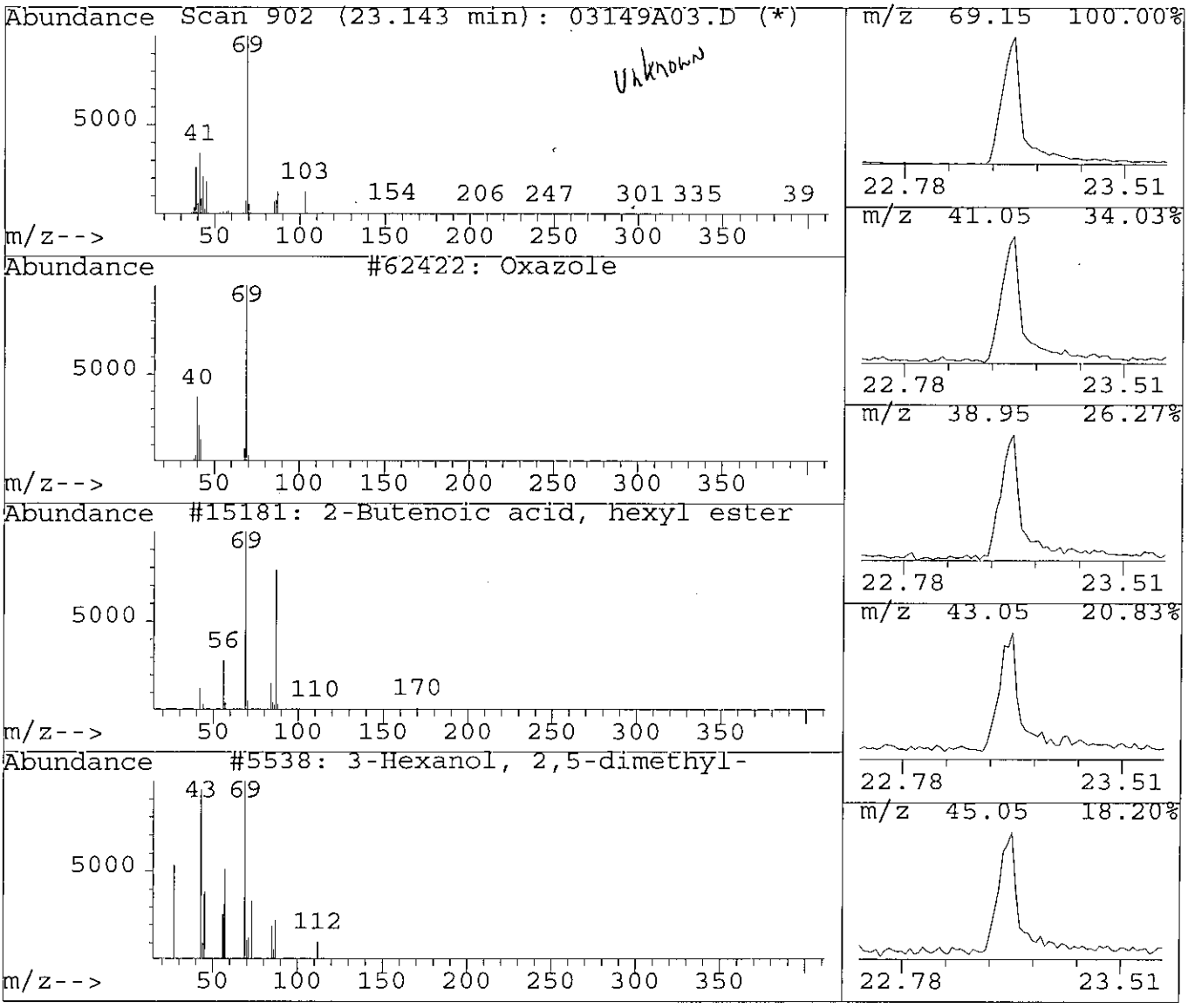
Data File : C:\HPCHEM\1\DATA\03149A03.D
Acq On : 14 Mar 99 12:01 pm
Sample : 67831
Misc : American Glue & Resin P#99187

Vial: 3
Operator: ESAT
Inst : 5988
Multiplr: 416.49

Method : C:\HPCHEM\1\METHODS\03149A01.M
Title : semivolatiles
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	R.T.
23.14	13965.13 ug/ml	312778	NAPHTHALENE-D8	20.42

Hit# of 20	Tentative ID	Ref#	CAS#	Qual
1	Oxazole	62422	000288-42-6	9
2	2-Butenoic acid, hexyl ester	15181	019089-92-0	9
3	3-Hexanol, 2,5-dimethyl-	5538	019550-07-3	9
4	Cyclopentane, bromo-	66537	000137-43-9	9
5	1-Octyn-4-ol	4541	052517-92-7	9



Library Search Compound Report

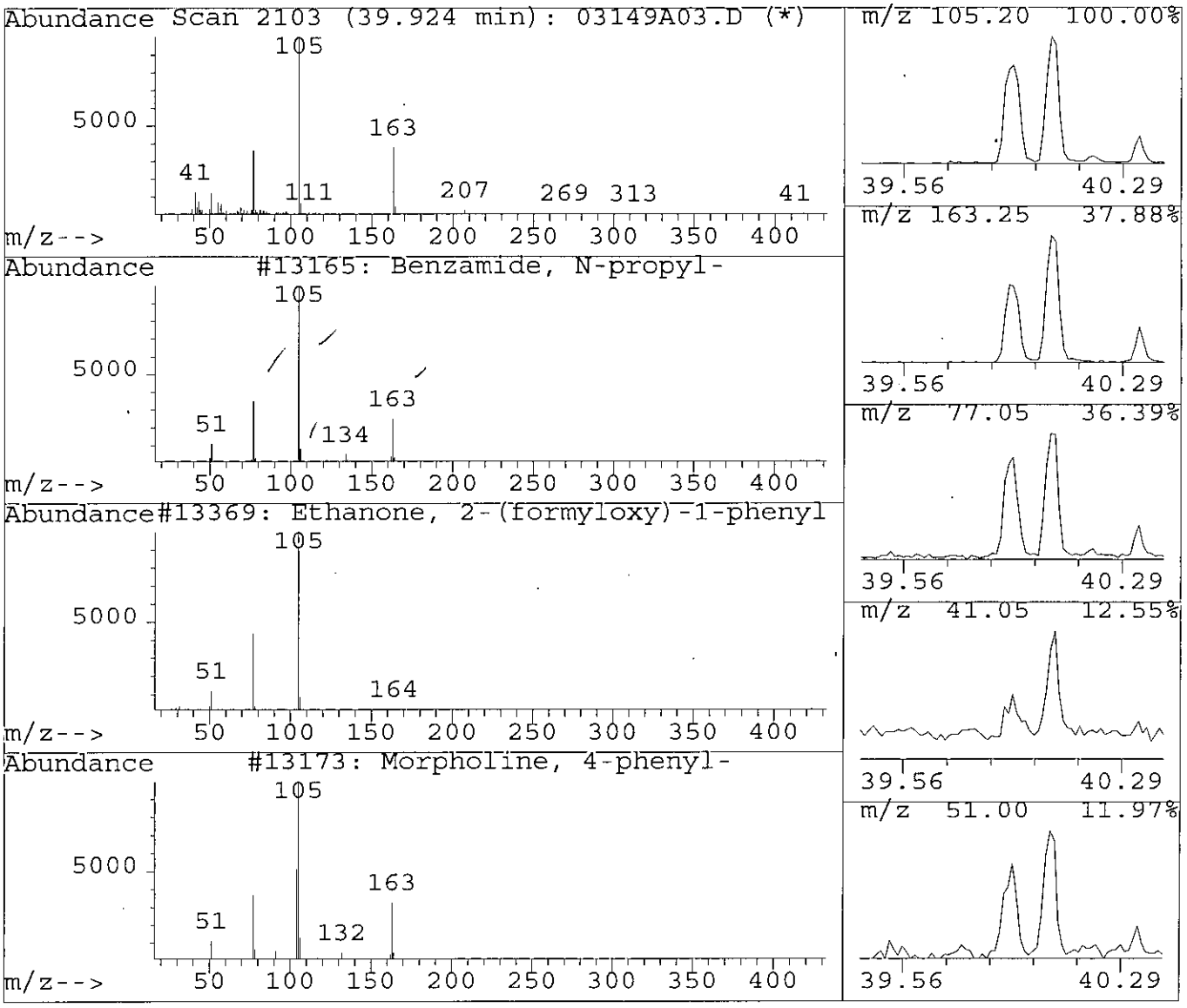
Data File : C:\HPCHEM\1\DATA\03149A03.D
Acq On : 14 Mar 99 12:01 pm
Sample : 67831
Misc : American Glue & Resin P#99187

Vial: 3
Operator: ESAT
Inst : 5988
Multiplr: 416.49

Method : C:\HPCHEM\1\METHODS\03149A01.M
Title : semivolatiles
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	R.T.
39.92	6942.68 ug/ml	116201	CHRYSENE-D12	40.47

Hit# of 20	Tentative ID	Ref#	CAS#	Qual
1	Benzamide, N-propyl-	13165	010546-70-0	59
2	Ethanone, 2-(formyloxy)-1-phenyl-	13369	055153-12-3	50
3	Morpholine, 4-phenyl-	13173	000092-53-5	50
4	1-Propanone, 2-methyl-1-phenyl-	9333	000611-70-1	47
5	Benzoyl chloride	65991	000098-88-4	47



Library Search Compound Report

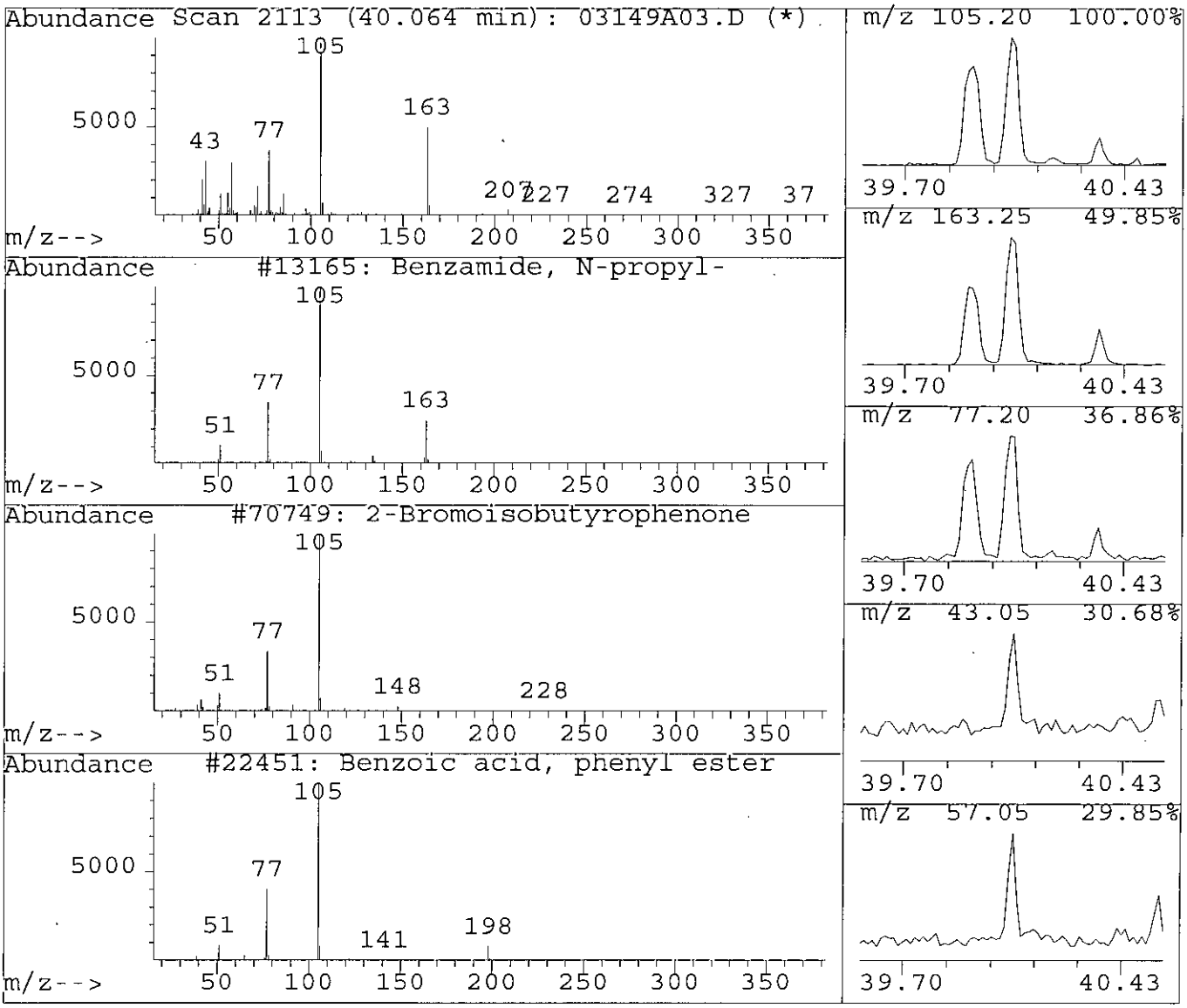
Data File : C:\HPCHEM\1\DATA\03149A03.D
Acq On : 14 Mar 99 12:01 pm
Sample : 67831
Misc : American Glue & Resin P#99187

Vial: 3
Operator: ESAT
Inst : 5988
Multiplr: 416.49

Method : C:\HPCHEM\1\METHODS\03149A01.M
Title : semivolatiles
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	R.T.
40.06	9159.96 ug/ml	153312	CHRYSENE-D12	40.47

Hit# of 20	Tentative ID	Ref#	CAS#	Qual
1	Benzamide, N-propyl-	13165	010546-70-0	59
2	2-Bromoisobutyrophenone	70749	010409-54-8	30
3	Benzoic acid, phenyl ester	22451	000093-99-2	27
4	1,2-Ethanediol, dibenzoate	37742	000094-49-5	27
5	Cyclobutyl phenyl ketone	12527	005407-98-7	27



Library Search Compound Report

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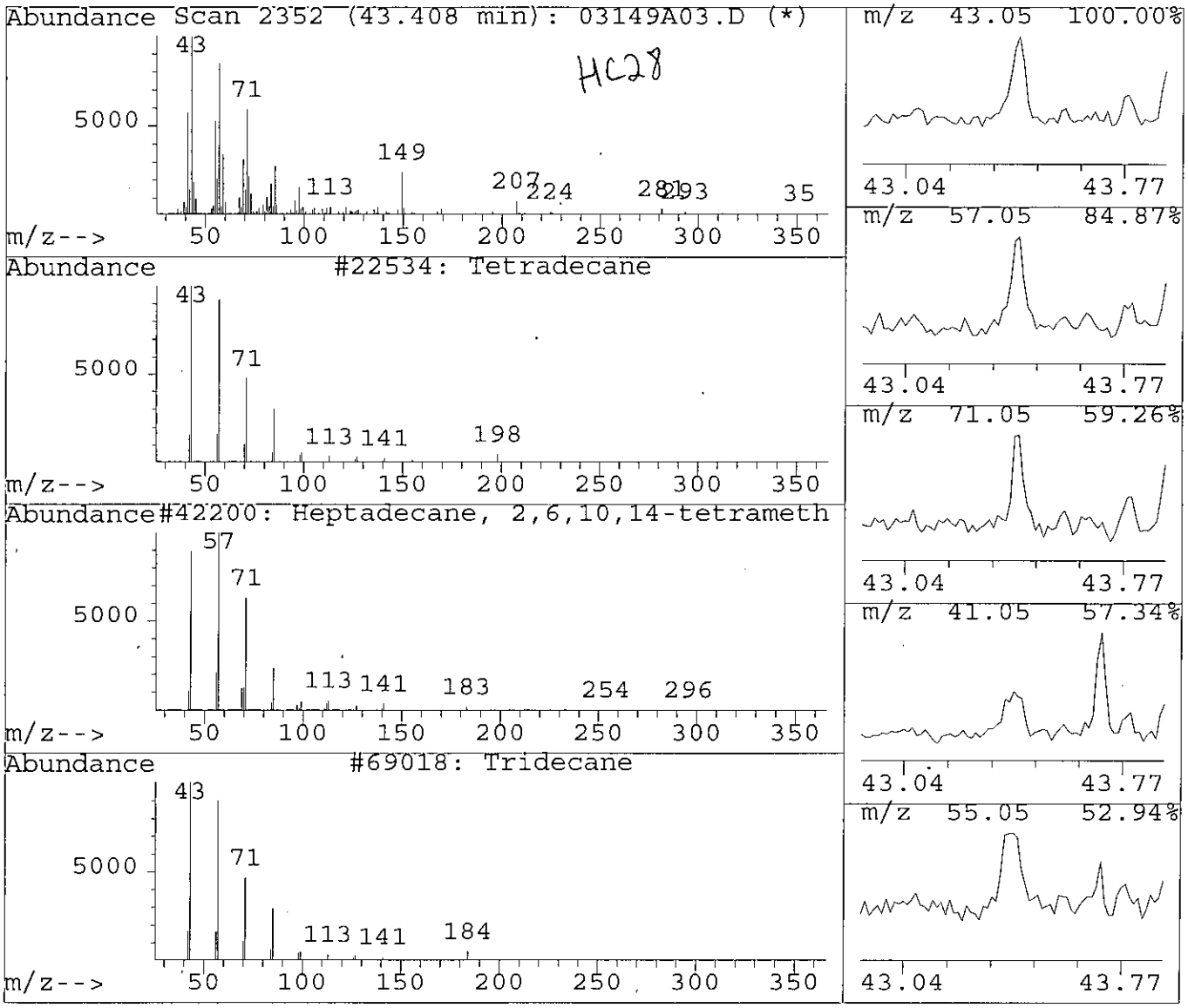
Acq On : 14 Mar 99 12:01 pm
Sample : 67831
Misc : American Glue & Resin P#99187

Vial: 3
Operator: ESAT
Inst : 5988
Multiplr: 416.49

Method : C:\HPCHEM\1\METHODS\03149A01.M
Title : semivolatiles
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	R.T.
43.41	5661.65 ug/ml	95533	PERYLENE-D12	45.83

Hit# of 20	Tentative ID	Ref#	CAS#	Qual
1	Tetradecane	22534	000629-59-4	49
2	Heptadecane, 2,6,10,14-tetramethyl-	42200	018344-37-1	46
3	Tridecane	69018	000629-50-5	46
4	Hexadecane, 1-bromo-	43438	000112-82-3	43
5	Dodecane	68249	000112-40-3	43



1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

S67832

Lab EPA REG 1 Contract:

Proj 99187 Site: AMERICAN Location: Group:

Matrix: (soil/wat SOIL Lab Sample ID: S67832

Wet Sample wt/vol: 5.0 (g/mL) G Lab File ID: 03149A06.D

DAY: 4.4g Collected 3/2/99

Level: (low/m MED Date Received: 3/3/99

% 13 decanted: (Y/N): Y Date Extracted: 3/9/99

Concentrated Extract Volume 2000 (uL) Date Analyzed: 3/14/99

Injection Volume 1.0 (uL) Dilution Factor: 2.0

GPC Cleanup: (Y N pH: 0 Report Factor: 1.4 2.8

Concentration Units:

CAS No.	Compound	(ug/L or ug/Kg) ug/Kg	Q
62-53-3	ANILINE	9200	UD
108-95-2	PHENOL	9200	UD
111-44-4	BIS(2-CHLOROETHYL) ETHER	9200	UD
95-57-8	2-CHLOROPHENOL	9200	UD
541-73-1	1,3-DICHLOROBENZENE	9200	UD
106-46-7	1,4-DICHLOROBENZENE	9200	UD
100-51-6	BENZYL ALCOHOL	9200	UD
95-50-1	1,2-DICHLOROBENZENE	9200	UD
95-48-7	2-METHYLPHENOL	9200	UD
108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	9200	UD
106-44-5	4-METHYLPHENOL	9200	UD
621-64-7	N-NITROSODIPROPYLAMINE	9200	UD
67-72-1	HEXACHLOROETHANE	9200	UD
98-95-3	NITROBENZENE	9200	UD
78-59-1	ISOPHORONE	9200	UD
88-75-5	2-NITROPHENOL	9200	UD
105-67-9	2,4-DIMETHYLPHENOL	9200	UD
111-91-1	BIS(2-CHLOROETHOXY)METHANE	9200	UD
65-85-0	BENZOIC ACID	9200	UD
120-83-2	2,4-DICHLOROPHENOL	9200	UD
120-82-1	1,2,4-TRICHLOROBENZENE	9200	UD
91-20-3	NAPHTHALENE	9200	UD
106-47-8	4-CHLOROANILINE	9200	UD
87-68-3	HEXACHLOROBUTADIENE	9200	UD
59-50-7	4-CHLORO-3-METHYLPHENOL	9200	UD
91-57-6	2-METHYLNAPHTHALENE	9200	UD
77-47-4	HEXACHLOROCYCLOPENTADIENE	9200	UD
88-06-2	2,4,6-TRICHLOROPHENOL	9200	UD
95-95-4	2,4,5-TRICHLOROPHENOL	9200	UD
91-58-7	2-CHLORONAPHTHALENE	9200	UD
88-74-4	2-NITROANILINE	9200	UD
131-11-3	DIMETHYLPHTHALATE	9200	UD
208-96-8	ACENAPHTHYLENE	9200	UD

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

S67832

Lab EPA REG 1 Contract:

Proj 99187 Site: AMERICAN Location: Group:

Matrix: (soil/wat SOIL Lab Sample ID: S67832

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 03149A06.D

Level: (low/m MED Date Received: 3/3/99

% 13 decanted: (Y/N): Y Date Extracted: 3/9/99

Concentrated Extract Volume 2000 (uL) Date Analyzed: 3/14/99

Injection Volume 1.0 (uL) Dilution Factor: 2.0

GPC Cleanup: (Y N pH: 0

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
606-20-2	2,6-DINITROTOLUENE	9200	UD
99-09-2	3-NITROANILINE	9200	UD
83-32-9	ACENAPHTHENE	9200	UD
51-28-5	2,4-DINITROPHENOL	9200	UD
132-64-9	DIBENZOFURAN	9200	UD
100-02-7	4-NITROPHENOL	9200	UD
121-14-2	2,4-DINITROTOLUENE	9200	UD
84-66-2	DIETHYLPHTHALATE	9200	UD
86-73-7	FLUORENE	9200	UD
7005-72-3	4-CHLOROPHENYL-PHENYLETHER	9200	UD
100-01-6	4-NITROANILINE	9200	UD
534-52-1	4,6-DINITRO-2-METHYLPHENOL	9200	UD
86-30-6	N-NITROSODIPHENYLAMINE	9200	UD
103-33-3	DIPHENYLHYDRAZINE(AZOBENZENE)	9200	UD
101-55-3	4-BROMOPHENYL-PHENYLETHER	9200	UD
319-84-6	BHC ISOMER (ALPHA)	9200	UD
118-74-1	HEXACHLOROBENZENE	9200	UD
319-85-7	BHC ISOMER (BETA)	9200	UD
87-86-5	PENTACHLOROPHENOL	9200	UD
58-89-9	LINDANE-BHC ISOMER (GAMA)	9200	UD
85-01-8	PHENANTHRENE	9200	UD
120-12-7	ANTHRACENE	9200	UD
319-86-8	BHC ISOMER (DELTA)	9200	UD
86-74-8	CARBAZOLE	9200	UD
76-44-8	HEPTACHLOR	9200	UD
84-74-2	DIBUTYLPHTHALATE	9200	UD
309-00-2	ALDRIN	9200	UD
1024-57-3	HEPTACHLOR EPOXIDE	9200	UD
206-44-0	FLUORANTHENE	1700	L UD
129-00-0	PYRENE	920	L UD
959-98-8	ENDOSULFAN I	9200	UD
72-55-9	P,P-DDE	9200	UD
60-57-1	DIELDRIN	9200	UD

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

S67832

Lab EPA REG 1 Contract:

Proj 99187 Site: AMERICAN Location: Group:

Matrix: (soil/wat SOIL Lab Sample ID: S67832

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 03149A06.D

Level: (low/m MED Date Received: 3/3/99

% 13 decanted: (Y/N): Y Date Extracted: 3/9/99

Concentrated Extract Volume 2000 (uL) Date Analyzed: 3/14/99

Injection Volume 1.0 (uL) Dilution Factor: 2.0

GPC Cleanup: (Y N pH: 0

Concentration Units:

CAS No.	Compound	(ug/L or ug/Kg) ug/Kg	Q
72-20-8	ENDRIN	9200	UD
33213-65-9	ENDOSULFAN II	9200	UD
72-54-8	P,P-DDD	9200	UD
85-68-7	BUTYLBENZYLPHTHALATE	18000	L D
50-29-3	P,P-DDT	9200	UD
1031-07-8	ENDOSULFAN SULFATE	9200	UD
72-43-5	METHOXYCHLOR	9200	UD
53494-70-5	ENDRIN KETONE	9200	UD
91-94-1	3,3-DICHCHLOROBENZIDINE	9200	UD
56-55-3	BENZ(A)ANTHRACENE	9200	UD
218-01-9	CHRYSENE	990	L D
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	4600	L D
117-84-0	DI-N-OCTYLPHTHALATE	9200	UD
205-99-2	BENZO(B)FLUORANTHENE	9200	UD
207-08-9	BENZO(K)FLUORANTHENE	9200	UD
50-32-8	BENZO(A)PYRENE	9200	UD
193-39-5	INDENO(1,2,3-CD)PYRENE	9200	UD
53-70-3	DIBENZO(A,H)ANTHRACENE	9200	UD
191-24-2	BENZO(GHI)PERYLENE	9200	UD

QUANTITATION SHEET

SAMPLE NUMBER 67832

Tentatively Identified Compounds

SCAN NO.	COMPOUND	PROB. MATCH	CONC (ug/ml)	EST. C. (ug/kg)	CAS NO.	CHEM. FORM.
60	4-hydroxy-4-methyl-2-Pentanone	50	—	~100,000 AB	123422	
1475	unknown hydrocarbon - C18	81	—	~20,000 J	—	
2269	unknown hydrocarbon - C30			~30,000 J	—	
2553	unknown hydrocarbon - C30			~20,000 J	—	
2707	UNKNOWN	—	—	~40,000 J	—	
2826	UNKNOWN	—	—	~90,000 J	—	

~ = Approximate
< = Less than
> = Greater than
NA = Not available due to dilution or interference
E = Estimated value that exceeds the calibration range
L = Estimated value that is below the calibration range
B = Analyte associated with the lab, trip blank. Reported values are 5X higher than blank. Phthalates must be 10X.

Quantitation Report

Data File : C:\HPCHEM\1\DATA\03149A06.D
Acq On : 14 Mar 99 3:25 pm
Sample : 67832 1:2
Misc : American Glue & Resin P#99187
Quant Time: Mar 15 8:51 1999

Vial: 6
Operator: ESAT
Inst : 5988
Multiplr: 915.96

Method : C:\HPCHEM\1\METHODS\03149A01.M
Title : semivolatiles
Last Update : Sun Mar 14 11:59:08 1999
Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DICHLOROBENZENE-D4	16.26	150	47804	40.00	ug/ml	-0.01
19) NAPHTHALENE-D8	20.41	136	110168	40.00	ug/ml	-0.01
34) ACENAPHTHENE-D10	26.37	164	56410	40.00	ug/ml	0.00
54) PHENANTHRENE-D10	31.47	188	107495	40.00	ug/ml	0.00
74) CHRYSENE-D12	40.53	240	112918	40.00	ug/ml	0.03
92) PERYLENE-D12	45.96	264	44192	40.00	ug/ml	0.11
System Monitoring Compounds						%Recovery
2) FLUOROPHENOL	12.43	112	35340	36.32	ug/ml	18.16%
4) PHENOL-D5	15.29	99	61552	45.98	ug/ml	22.99%
5) 2-CHLOROPHENOL-D4	15.63	132	37857	39.30	ug/ml	19.65%
12) 1,2-DICHLOROBENZENE-D4	16.75	150	15678	14.22	ug/ml	14.22%
20) NITROBENZENE-D5	18.12	82	27517	16.23	ug/ml	16.23%
38) FLUOROBIPHENYL	24.09	172	40347	21.83	ug/ml	21.83%
58) 2,4,6-TRIBROMOPHENOL	29.12	330	21673	49.25	ug/ml	24.63%
78) P-TERPHENYL-D14	36.95	244	67511	24.32	ug/ml	24.32%
Target Compounds						Qvalue
73) FLUORANTHENE	35.63	202	5267	1754.00	ug/ml#	88
75) PYRENE	36.40	202	3308	915.37	ug/ml#	73
83) BUTYLBENZYLPHTHALATE	38.67	149	36652	17740.43	ug/ml	91
90) CHRYSENE	40.61	228	3032	986.58	ug/mlm	81
91) BIS(2-ETHYLHEXYL)PHTHALATE	40.60	149	13427	4638.20	ug/ml#	94

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

Quantitation Report

Data File : c:\hpchem\1\data\03149a06.d
Acq On : 14 Mar 99 3:25 pm
Sample : 67832 1:2
Misc : American Glue & Resin P#99187
Quant Time: Mar 15 7:07 1999

Vial: 6
Operator: ESAT
Inst : 5988
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\03149A01.M
Title : semivolatiles
Last Update : Sun Mar 14 11:59:08 1999
Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DICHLOROBENZENE-D4	16.26	150	47804	40.00	ug/ml	-0.01
19) NAPHTHALENE-D8	20.41	136	110168	40.00	ug/ml	-0.01
34) ACENAPHTHENE-D10	26.37	164	56410	40.00	ug/ml	0.00
54) PHENANTHRENE-D10	31.47	188	107495	40.00	ug/ml	0.00
74) CHRYSENE-D12	40.53	240	~~112~~918	40.00	ug/ml	0.03
92) PERYLENE-D12	45.96	264	44192	40.00	ug/ml	0.11
System Monitoring Compounds						%Recovery
2) FLUOROPHENOL	12.43	112	35340	36.32	ug/ml	18.16%
4) PHENOL-D5	15.29	99	61552	45.98	ug/ml	22.99%
5) 2-CHLOROPHENOL-D4	15.63	132	37857	39.30	ug/ml	19.65%
12) 1,2-DICHLOROBENZENE-D4	16.75	150	15678	14.22	ug/ml	14.22%
20) NITROBENZENE-D5	18.12	82	27517	16.23	ug/ml	16.23%
38) FLUOROBIPHENYL	24.09	172	40347	21.83	ug/ml	21.83%
58) 2,4,6-TRIBROMOPHENOL	29.12	330	21673	49.25	ug/ml	24.63%
78) P-TERPHENYL-D14	36.95	244	67511	24.32	ug/ml	24.32%
Target Compounds						Qvalue
17) N-NITROSODIPROPYLAMINE	17.72	70	2296	~~1.94 ug/ml#~~		1
29) NAPHTHALENE	20.45	128	7585	~~2.59 ug/ml#~~		62
65) PHENANTHRENE	31.54	178	4298	~~1.58 ug/ml#~~		74
66) ANTHRACENE 31.72	~~31.54~~	178	1291 ~~3936~~ 0.46	~~1.41 ug/ml#~~		74
70) DIBUTYLPHTHALATE	33.53	149	1804	~~0.47 ug/ml#~~		57
72) HEPTACHLOR EPOXIDE	35.32	81	3107	~~7.48 ug/ml#~~		36
73) FLUORANTHENE	35.63	202	5267	1.91 ug/ml#		88
75) PYRENE	36.40	202	3308	1.00 ug/ml#		73
79) DIELDRIN	37.06	79	3920	~~4.17 ug/ml#~~		1
80) ENDRIN	37.63	81	3268	~~11.32 ug/ml#~~		45
81) ENDOSULFAN II	37.67	195	1588	~~15.66 ug/ml#~~		45
83) BUTYLBENZYLPHTHALATE	38.67	149	36652	19.37 ug/ml		91
86) METHOXYCHLOR	40.56	227	2235	~~1.17 ug/ml#~~		1
87) ENDRIN KETONE	40.21	67	2054	~~4.33 ug/ml#~~		57
89) BENZ(A)ANTHRACENE 40.52	~~40.57~~	228	1854 ~~8354~~ 0.62	~~2.81 ug/ml#~~		83
90) CHRYSENE	40.57	228	8702	3.09 ug/ml#		81
91) BIS(2-ETHYLHEXYL)PHTHALATE	40.60	149	13427	5.06 ug/ml#		94
93) DI-N-OCTYLPHTHALATE	42.69	149	3930	~~2.03 ug/ml#~~		27
94) BENZO(B)FLUORANTHENE	44.34	252	2110	~~1.46 ug/ml#~~		1
95) BENZO(K)FLUORANTHENE 44.4	~~44.34~~	252	1071 ~~2110~~ 0.70	~~1.39 ug/ml#~~		1
96) BENZO(A)PYRENE	45.49	252	1834	~~1.33 ug/ml#~~		1

wet wt = 5.025
Dry wt = 4.367
1-moist = 13.1
2ml Fvk
1:2 Dil
mult = 9/5.9606137

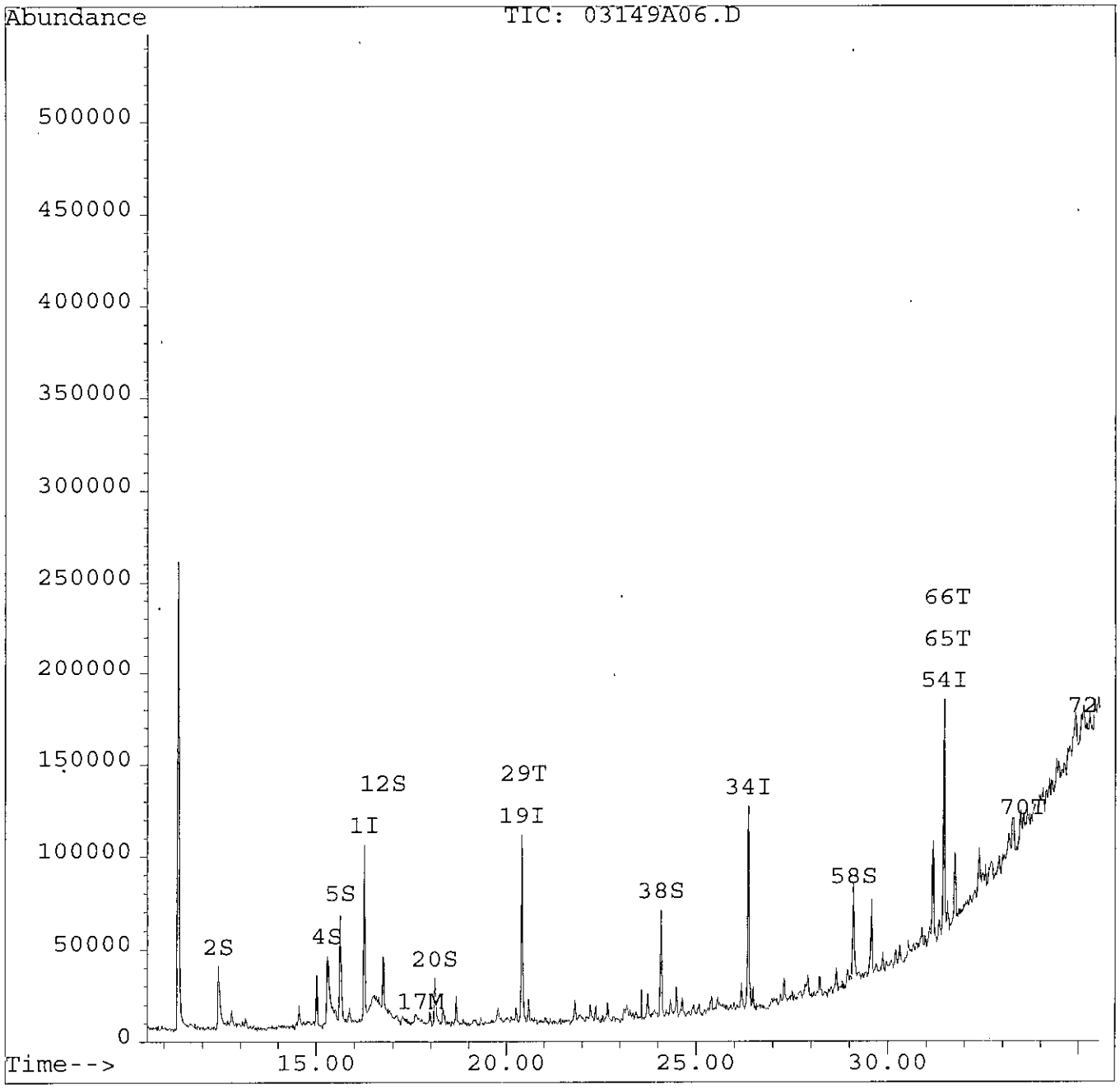
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : c:\hpchem\1\data\03149a06.d
Acq On : 14 Mar 99 3:25 pm
Sample : 67832 1:2
Misc : American Glue & Resin P#99187
Quant Time: Mar 15 7:07 1999

Vial: 6
Operator: ESAT
Inst : 5988
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\03149A01.M
Title : semivolatiles
Last Update : Sun Mar 14 11:59:08 1999
Response via : Single Level Calibration

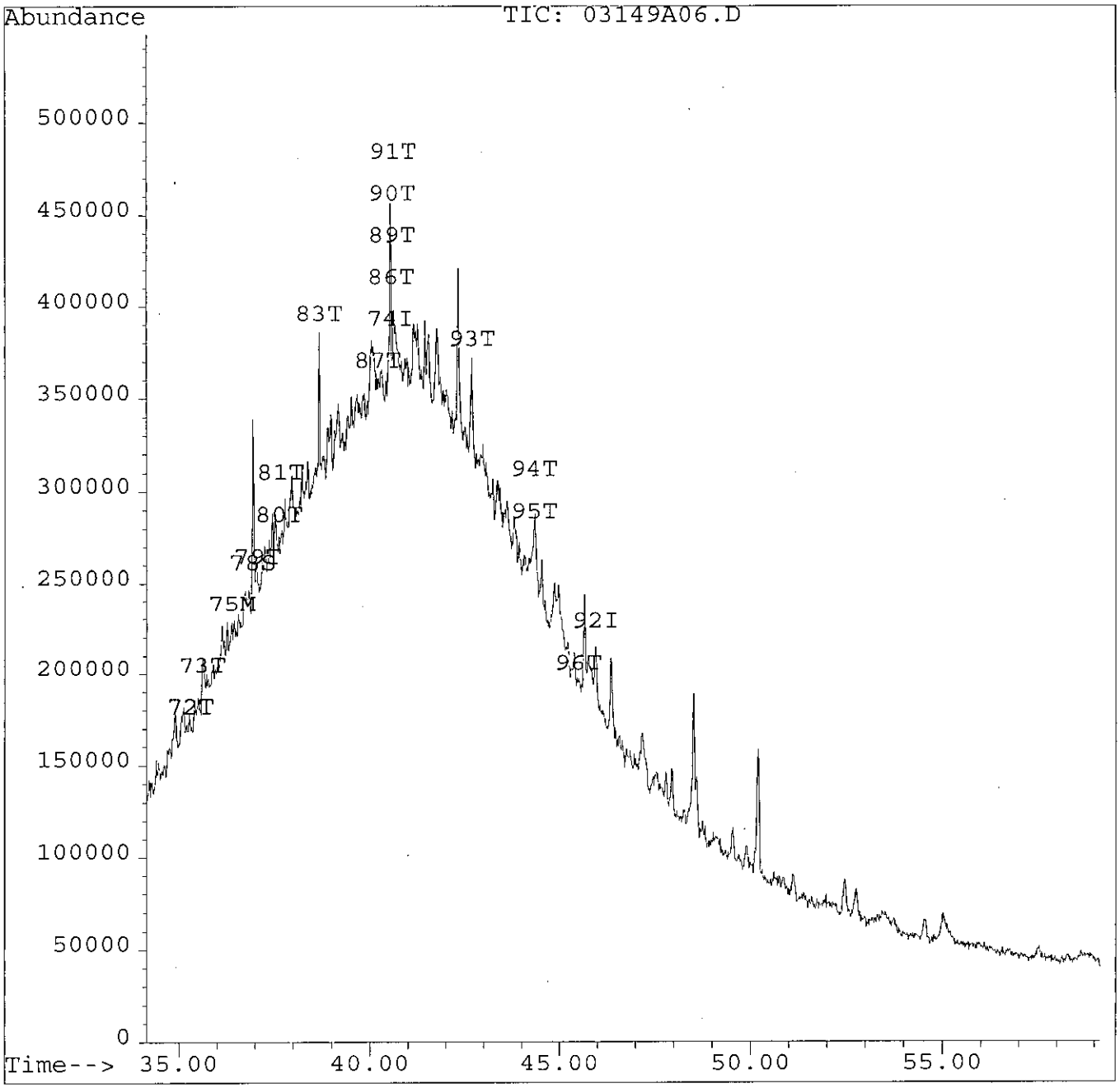


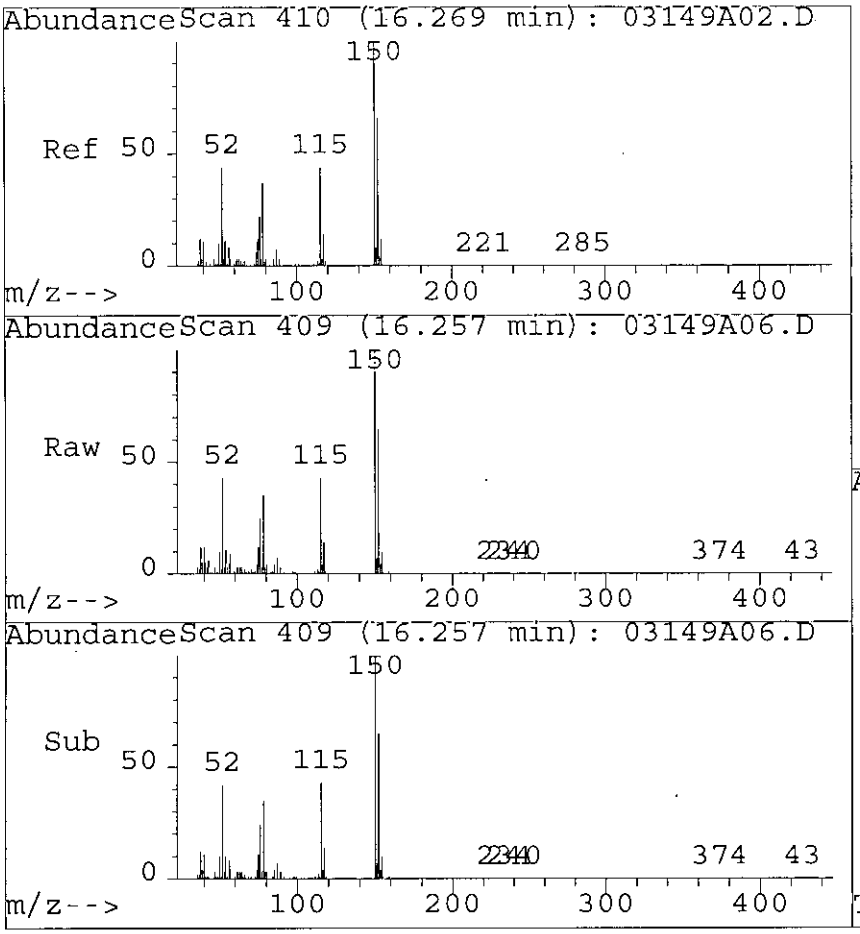
Quantitation Report

Data File : c:\hpchem\1\data\03149a06.d
Acq On : 14 Mar 99 3:25 pm
Sample : 67832 1:2
Misc : American Glue & Resin P#99187
Quant Time: Mar 15 7:07 1999

Vial: 6
Operator: ESAT
Inst : 5988
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\03149A01.M
Title : semivolatiles
Last Update : Sun Mar 14 11:59:08 1999
Response via : Single Level Calibration

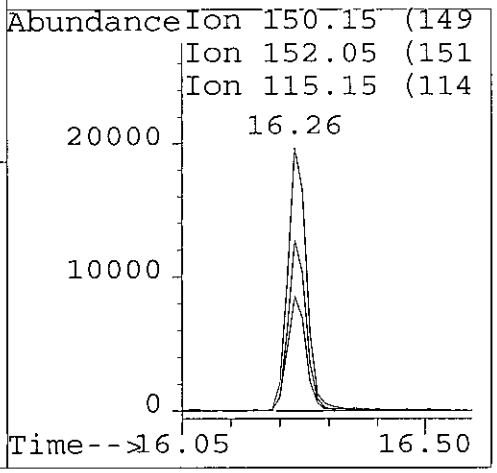


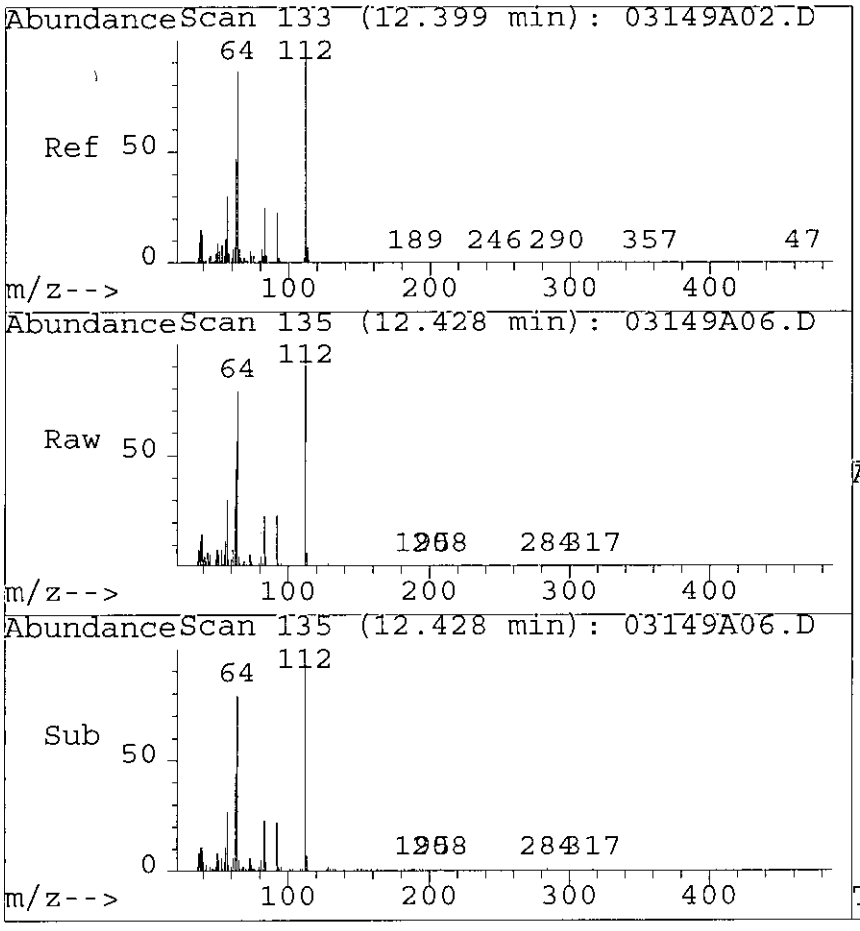


#1
1,4-DICHLOROBENZENE-D4
Concen: 40.00 ug/ml
RT: 16.26 min Scan# 409
Delta R.T. -0.01 min
Lab File: 03149a06.d
Acq: 14 Mar 99 3:25 pm

Tgt Ion:150.15 Resp: 47804

Ion	Ratio	Lower	Upper
150	100		
152	64.8	51.1	76.6
115	43.5	34.7	52.0
0	0.0	0.0	0.0

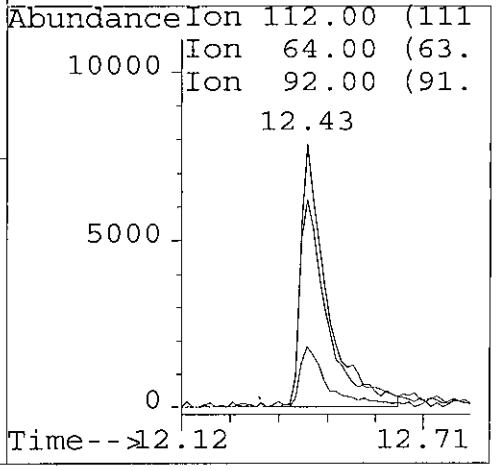


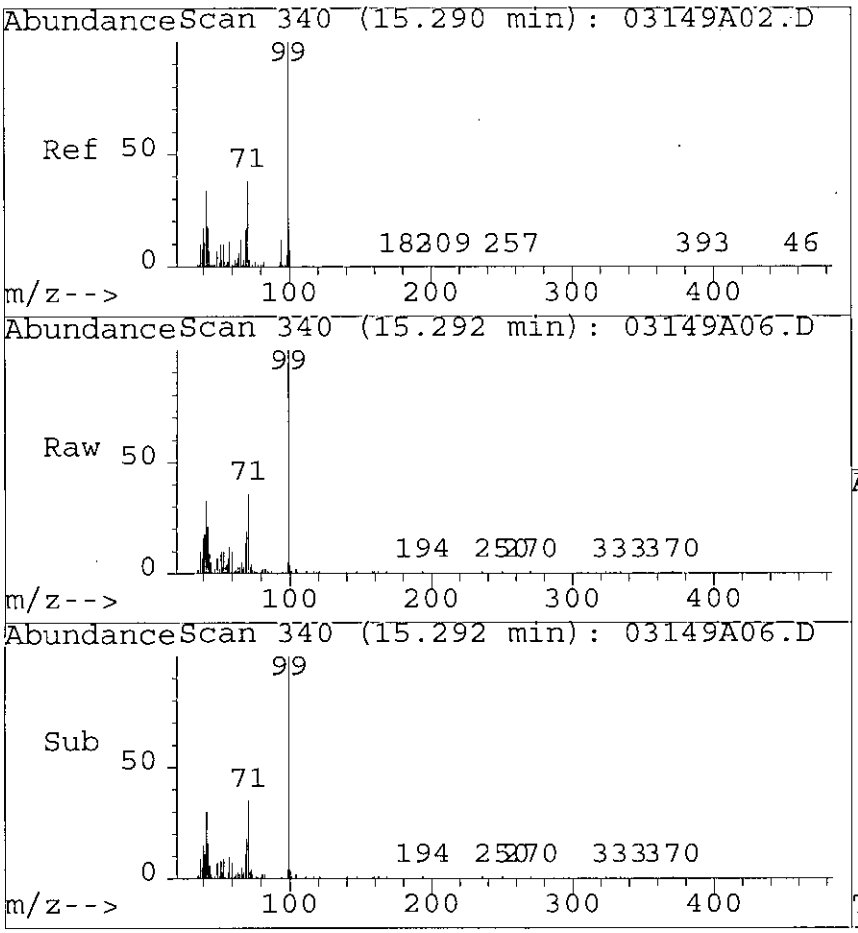


#2
FLUOROPHENOL
Concen: 36.32 ug/ml
RT: 12.43 min Scan# 135
Delta R.T. 0.03 min
Lab File: 03149a06.d
Acq: 14 Mar 99 3:25 pm

Tgt Ion:112 Resp: 35340

Ion	Ratio	Lower	Upper
112	100		
64	79.3	55.4	83.1
92	23.1	24.7	37.0#
0	0.0	0.0	0.0

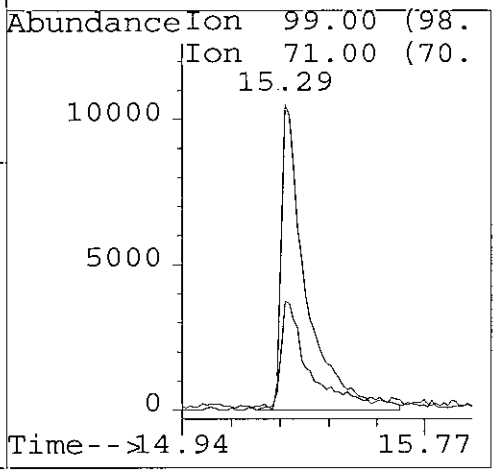


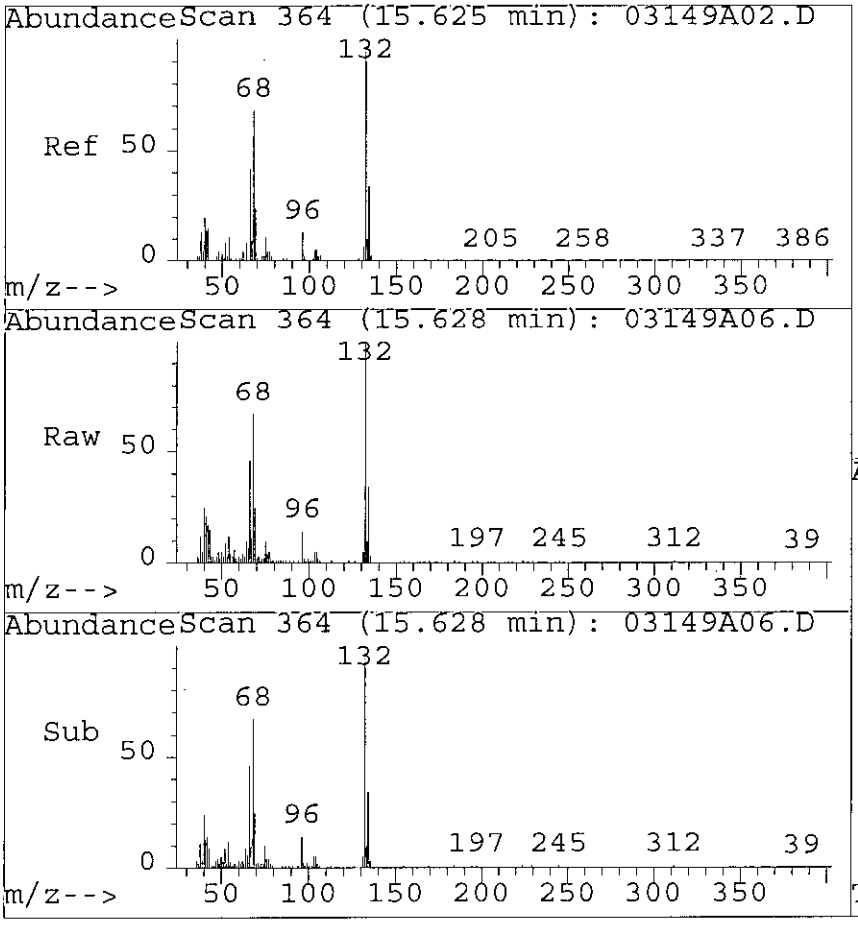


#4
PHENOL-D5
Concen: 45.98 ug/ml
RT: 15.29 min Scan# 340
Delta R.T. 0.00 min
Lab File: 03149a06.d
Acq: 14 Mar 99 3:25 pm

Tgt Ion:99 Resp: 61552

Ion	Ratio	Lower	Upper
99	100		
71	35.6	27.7	41.4
0	0.0	0.0	0.0
0	0.0	0.0	0.0

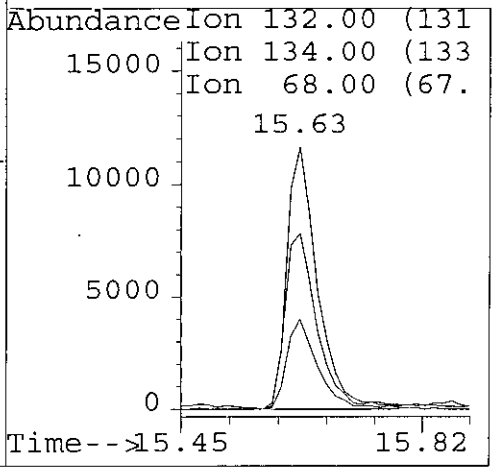


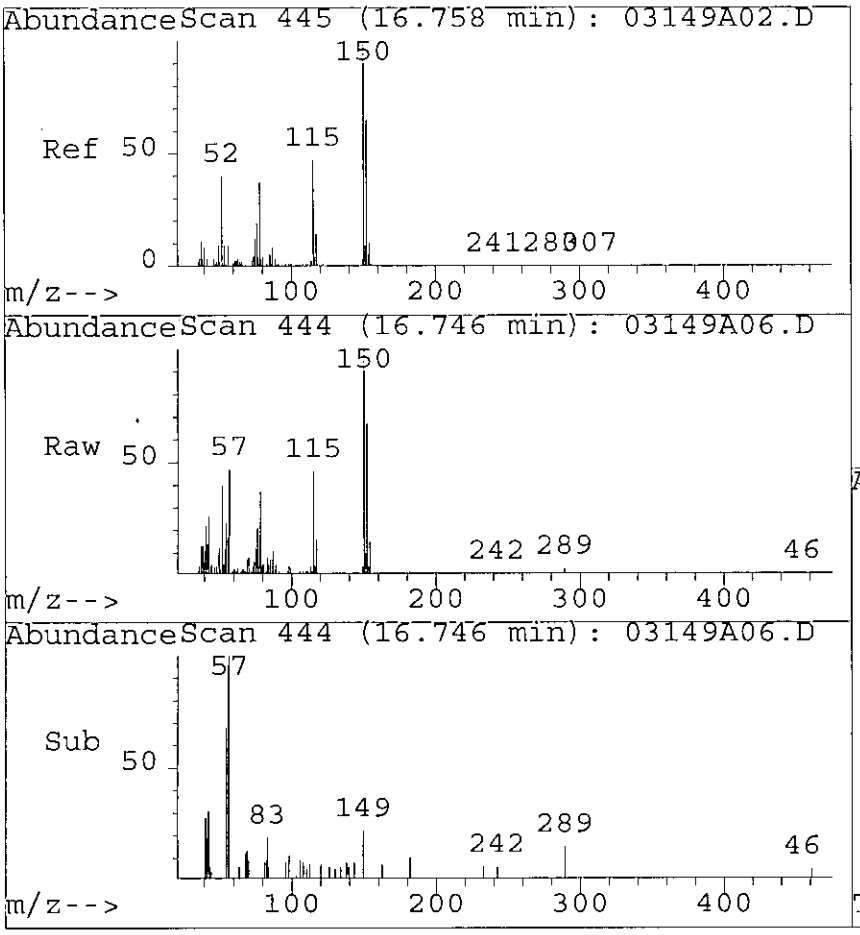


#5
2-CHLOROPHENOL-D4
Concen: 39.30 ug/ml
RT: 15.63 min Scan# 364
Delta R.T. 0.00 min
Lab File: 03149a06.d
Acq: 14 Mar 99 3:25 pm

Tgt Ion:132 Resp: 37857

Ion	Ratio	Lower	Upper
132	100		
134	34.4	24.0	35.9
68	67.2	40.0	59.9#
0	0.0	0.0	0.0

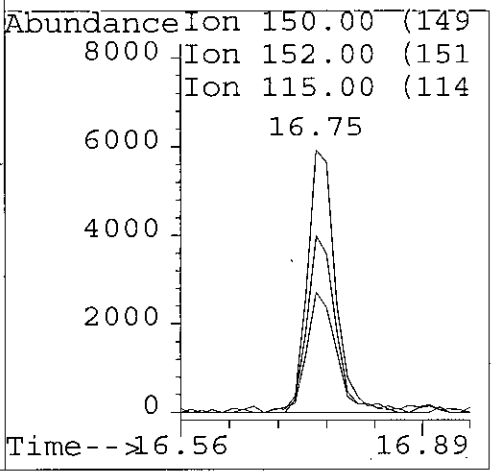


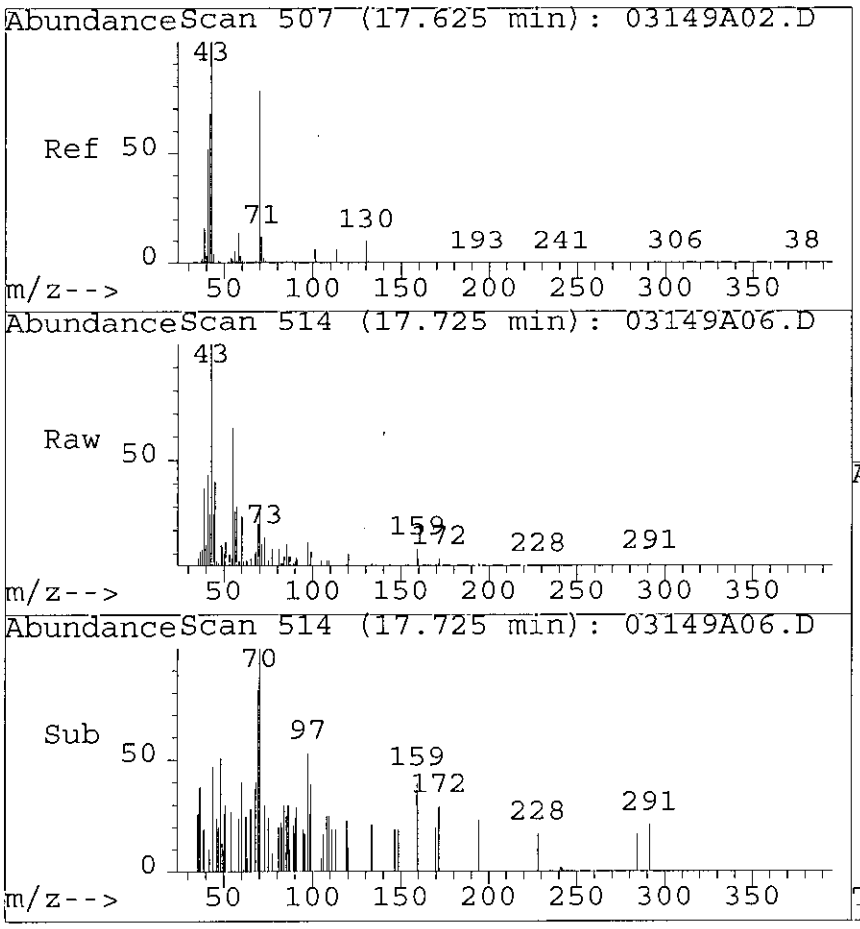


#12
1,2-DICHLOROBENZENE-D4
Concen: 14.22 ug/ml
RT: 16.75 min Scan# 444
Delta R.T. -0.01 min
Lab File: 03149a06.d
Acq: 14 Mar 99 3:25 pm

Tgt Ion:150 Resp: 15678

Ion	Ratio	Lower	Upper
150	100		
152	67.3	52.2	78.3
115	45.7	37.8	56.7
0	0.0	0.0	0.0

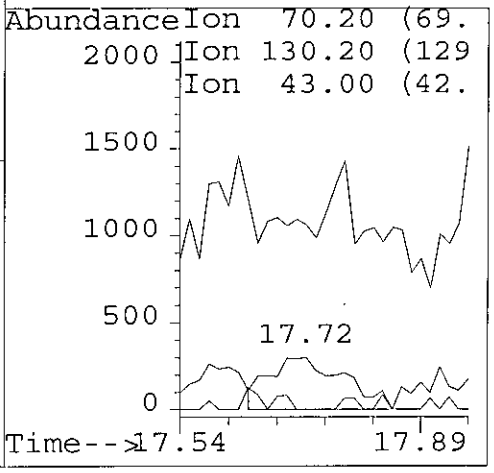


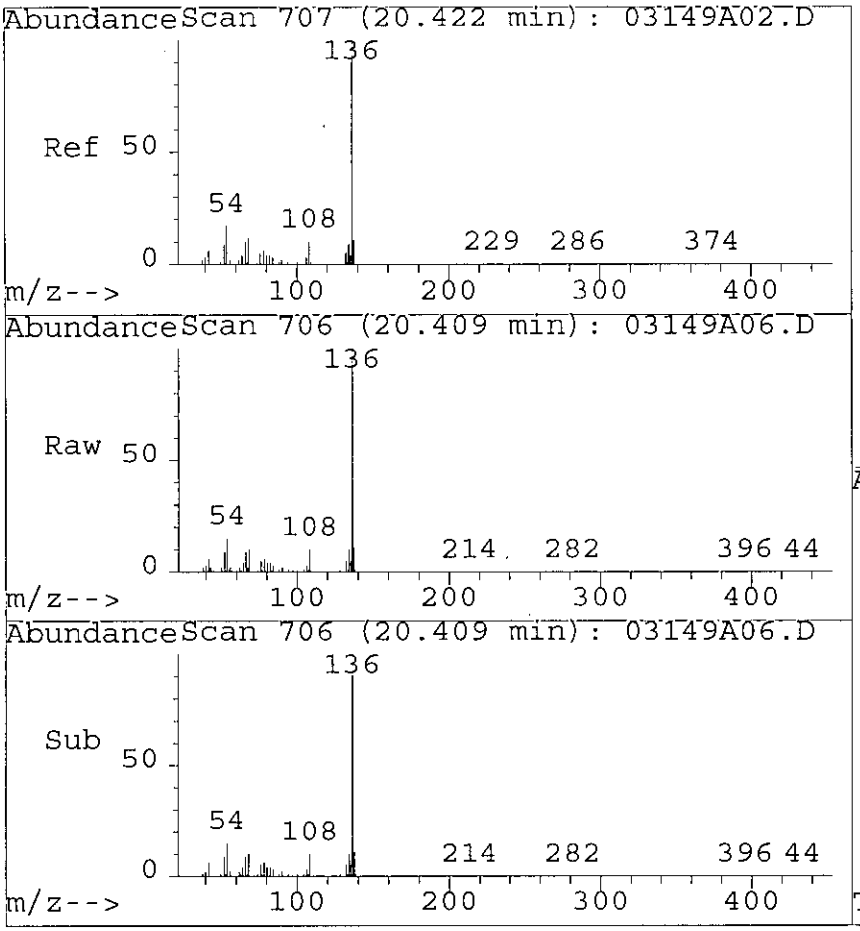


#17
N-NITROSODIPROPYLAMINE
Concen: 1.94 ug/ml
RT: 17.72 min Scan# 514
Delta R.T. 0.10 min
Lab File: 03149a06.d
Acq: 14 Mar 99 3:25 pm

Tgt Ion:70.2 Resp: 2296

Ion	Ratio	Lower	Upper
70	100		
130	0.0	13.0	19.5#
43	352.0	73.0	109.5#
0	0.0	0.0	0.0

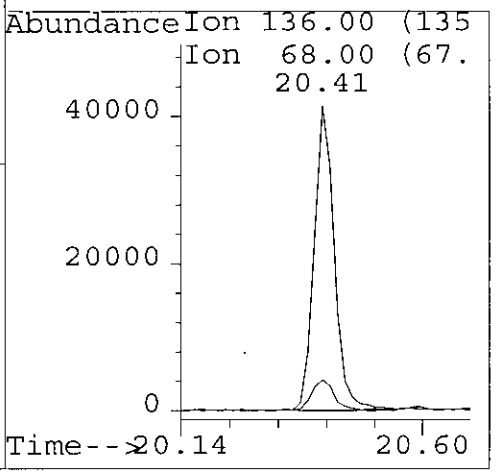


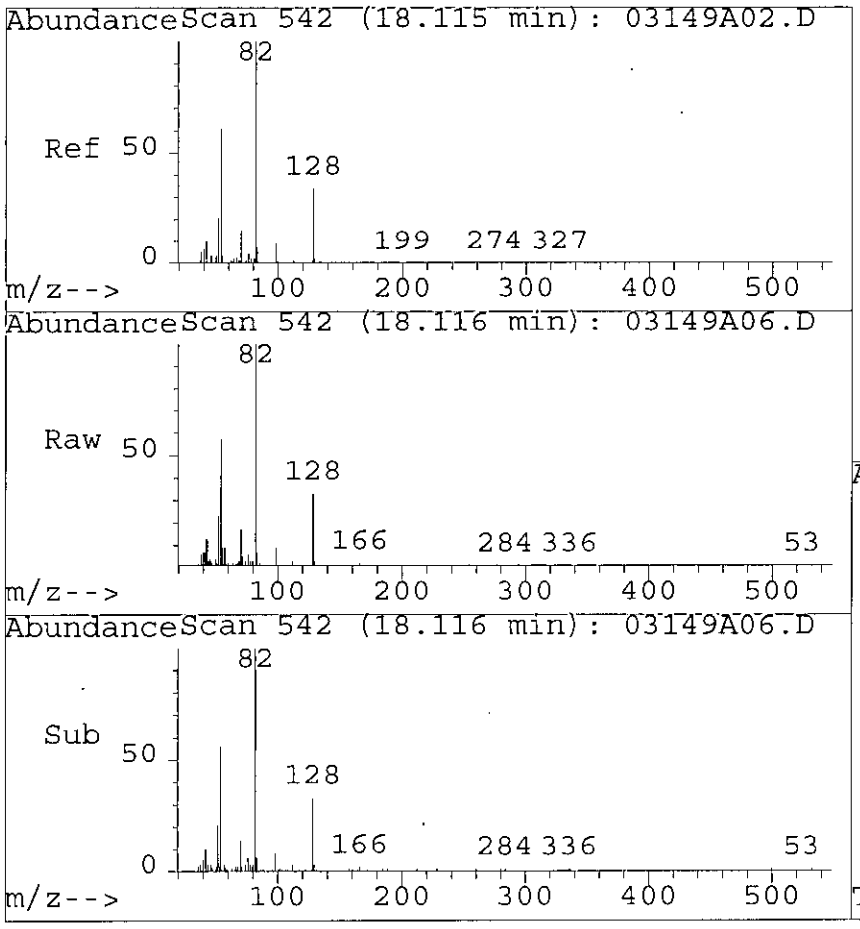


#19
NAPHTHALENE-D8
Concen: 40.00 ug/ml
RT: 20.41 min Scan# 706
Delta R.T. -0.01 min
Lab File: 03149a06.d
Acq: 14 Mar 99 3:25 pm

Tgt Ion:136 Resp: 110168

Ion	Ratio	Lower	Upper
136	100		
68	10.0	6.0	8.9#
0	0.0	0.0	0.0
0	0.0	0.0	0.0

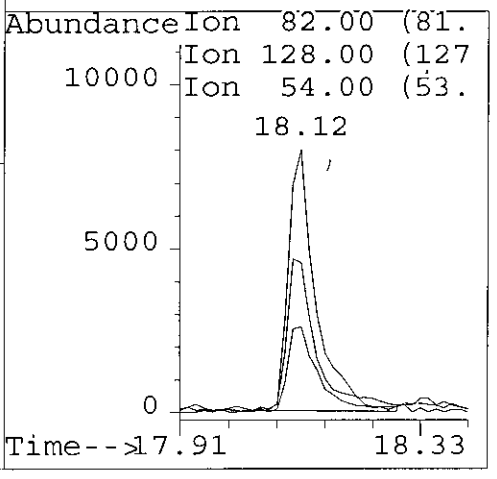


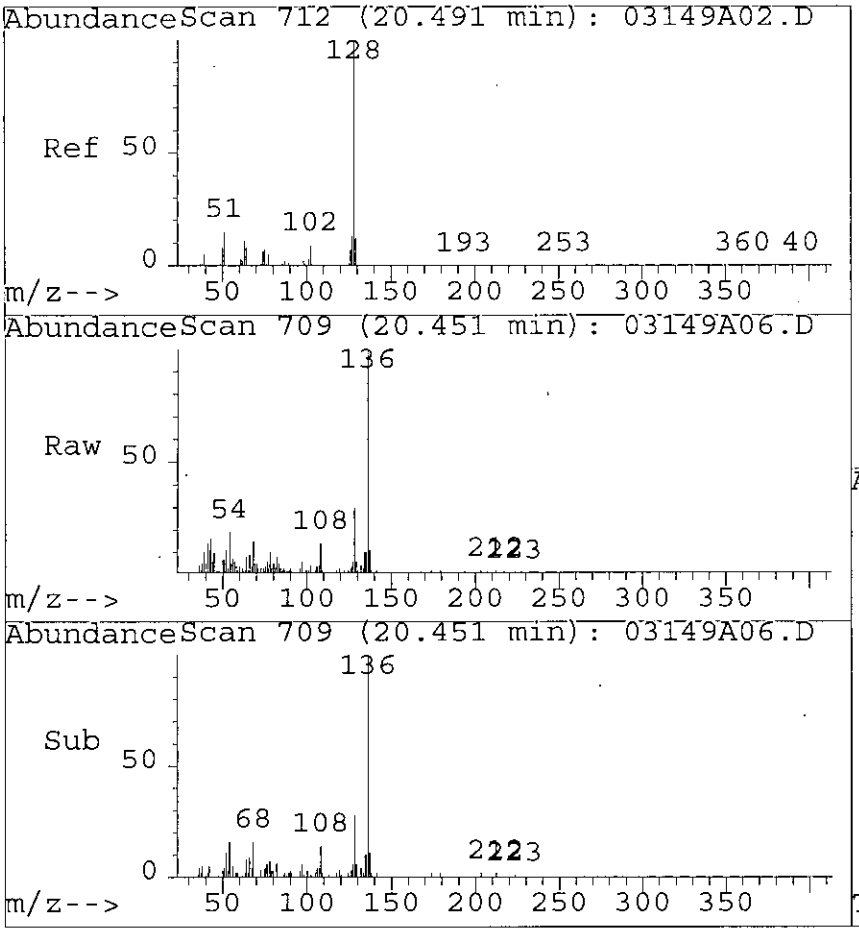


#20
NITROBENZENE-D5
Concen: 16.23 ug/ml
RT: 18.12 min Scan# 542
Delta R.T. 0.00 min
Lab File: 03149a06.d
Acq: 14 Mar 99 3:25 pm

Tgt Ion:82 Resp: 27517

Ion	Ratio	Lower	Upper
82	100		
128	32.9	34.4	51.5#
54	57.1	42.9	64.4
0	0.0	0.0	0.0

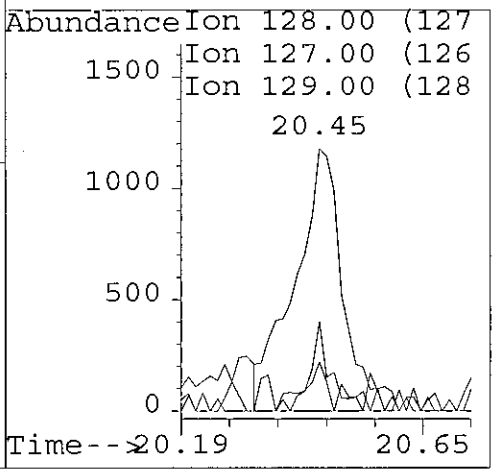


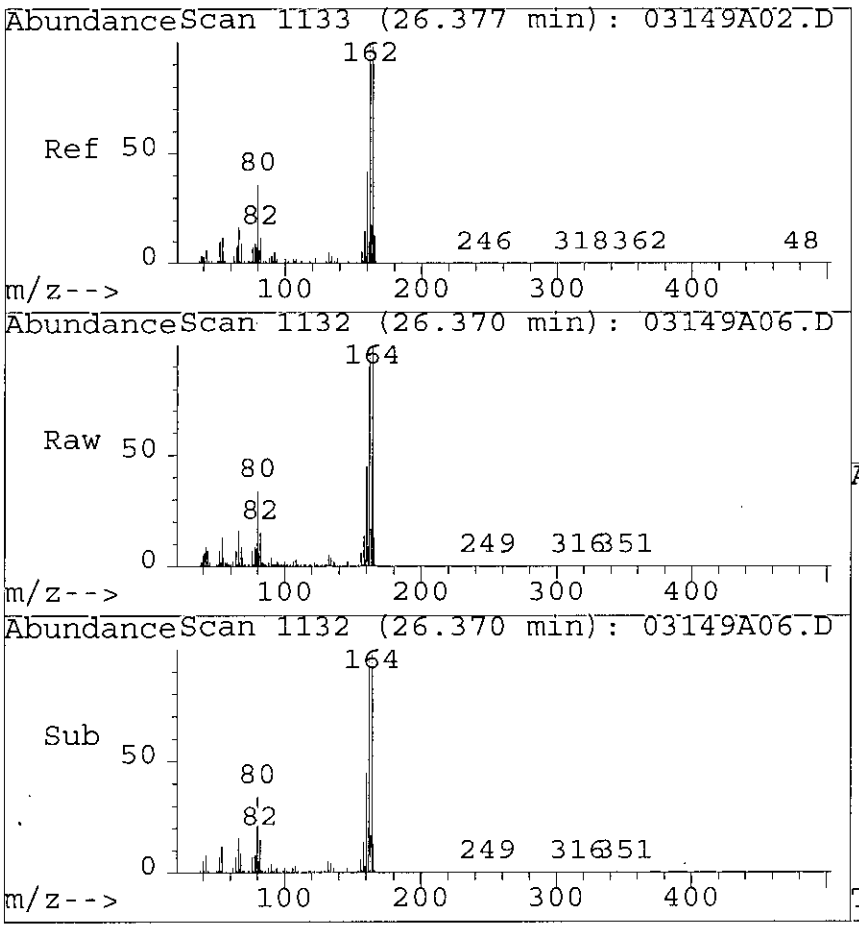


#29
NAPHTHALENE
Concen: 2.59 ug/ml
RT: 20.45 min Scan# 709
Delta R.T. -0.04 min
Lab File: 03149a06.d
Acq: 14 Mar 99 3:25 pm

Tgt Ion:128 Resp: 7585

Ion	Ratio	Lower	Upper
128	100		
127	34.0	10.7	16.0#
129	18.7	8.7	13.0#
0	0.0	0.0	0.0

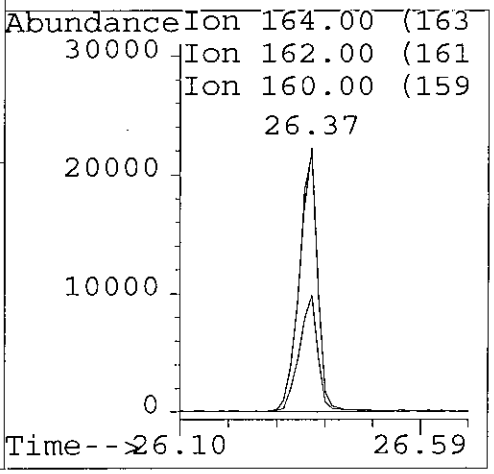


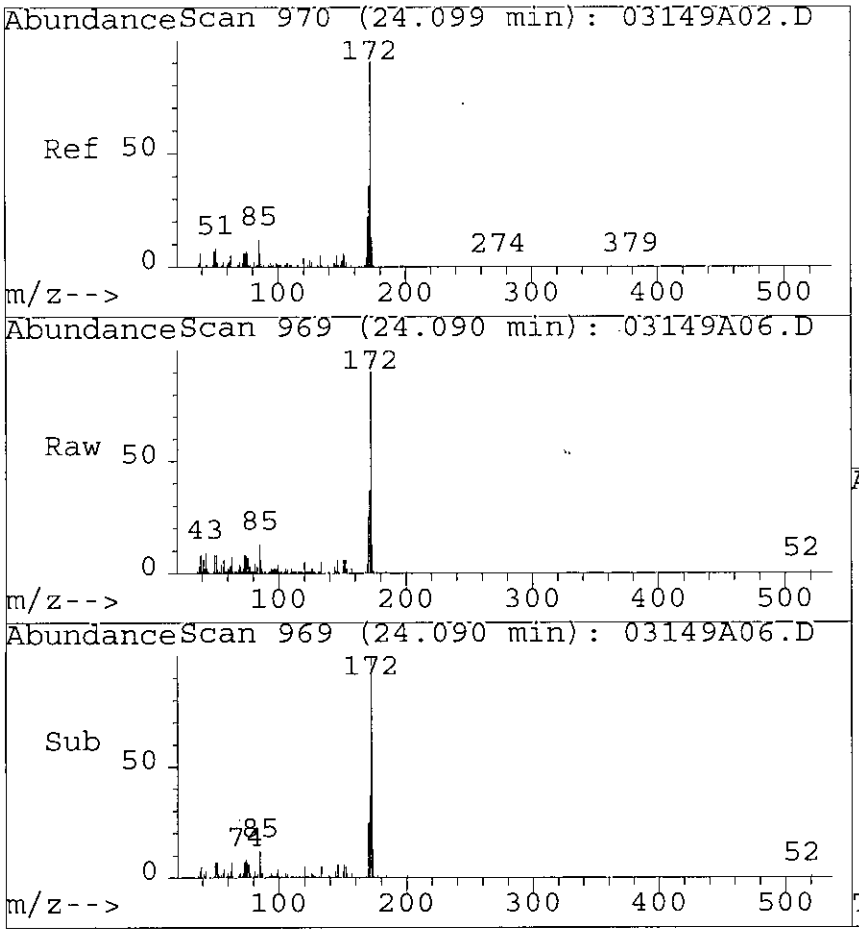


#34
ACENAPHTHENE-D10
Concen: 40.00 ug/ml
RT: 26.37 min Scan# 1132
Delta R.T. -0.01 min
Lab File: 03149a06.d
Acq: 14 Mar 99 3:25 pm

Tgt Ion:164 Resp: 56410

Ion	Ratio	Lower	Upper
164	100		
162	98.3	82.3	123.4
160	44.5	33.6	50.3
0	0.0	0.0	0.0

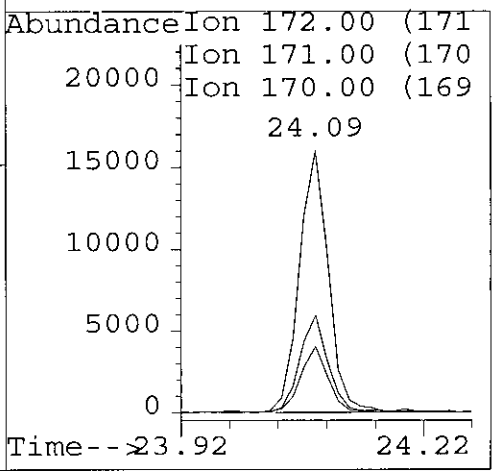


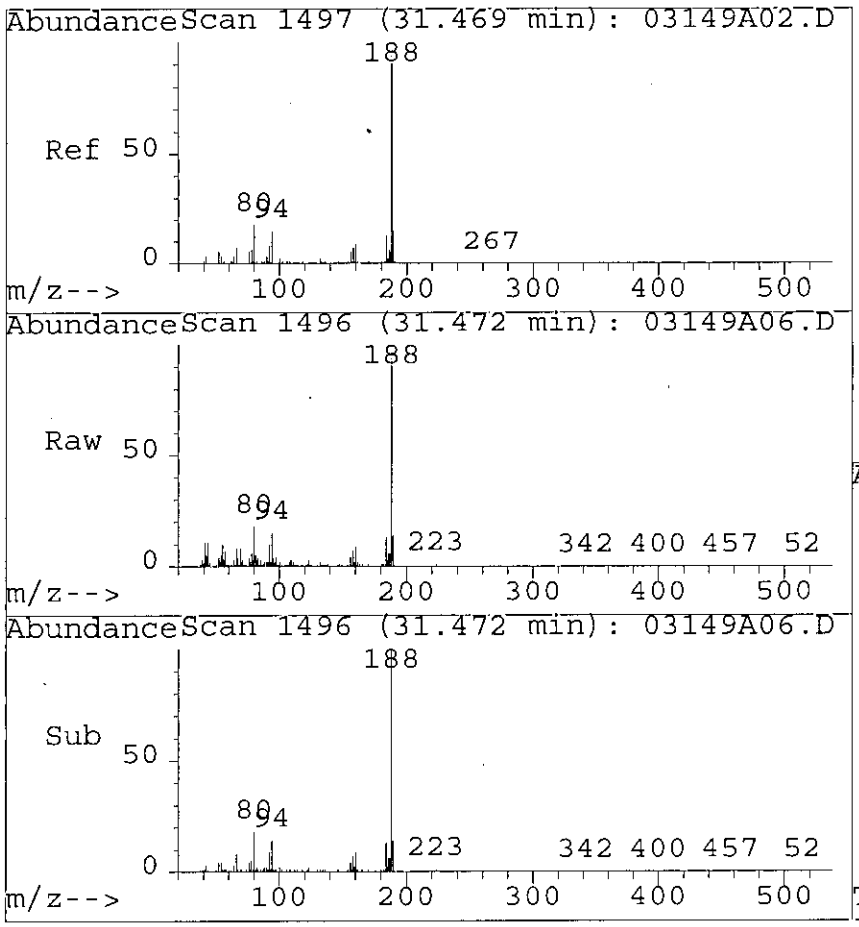


#38
FLUOROBIPHENYL
Concen: 21.83 ug/ml
RT: 24.09 min Scan# 969
Delta R.T. -0.01 min
Lab File: 03149a06.d
Acq: 14 Mar 99 3:25 pm

Tgt Ion:172 Resp: 40347

Ion	Ratio	Lower	Upper
172	100		
171	37.2	30.5	45.8
170	25.3	18.4	27.5
0	0.0	0.0	0.0

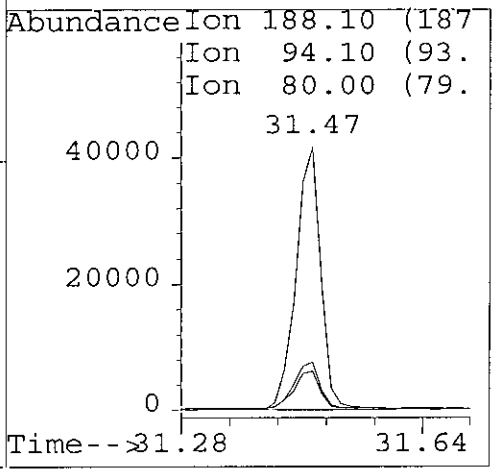


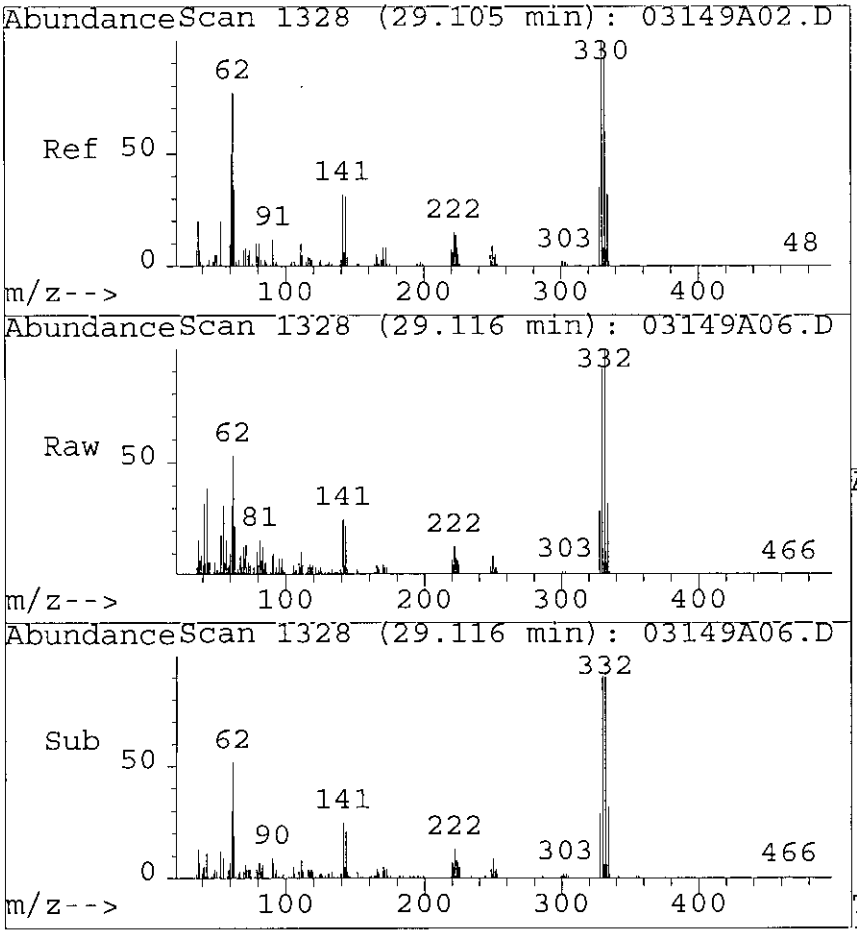


#54
PHENANTHRENE-D10
Concen: 40.00 ug/ml
RT: 31.47 min Scan# 1496
Delta R.T. 0.00 min
Lab File: 03149a06.d
Acq: 14 Mar 99 3:25 pm

Tgt Ion:188.1 Resp: 107495

Ion	Ratio	Lower	Upper
188	100		
94	15.0	11.6	17.3
80	18.4	13.7	20.5
0	0.0	0.0	0.0

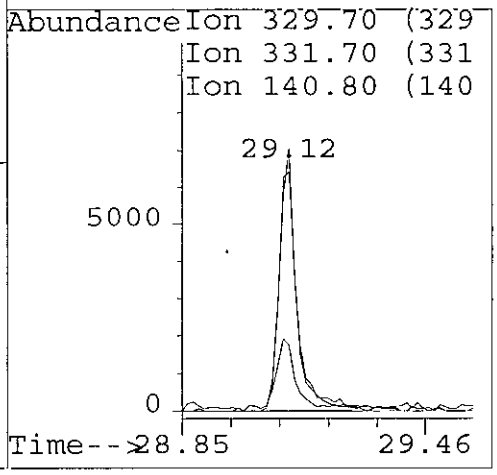


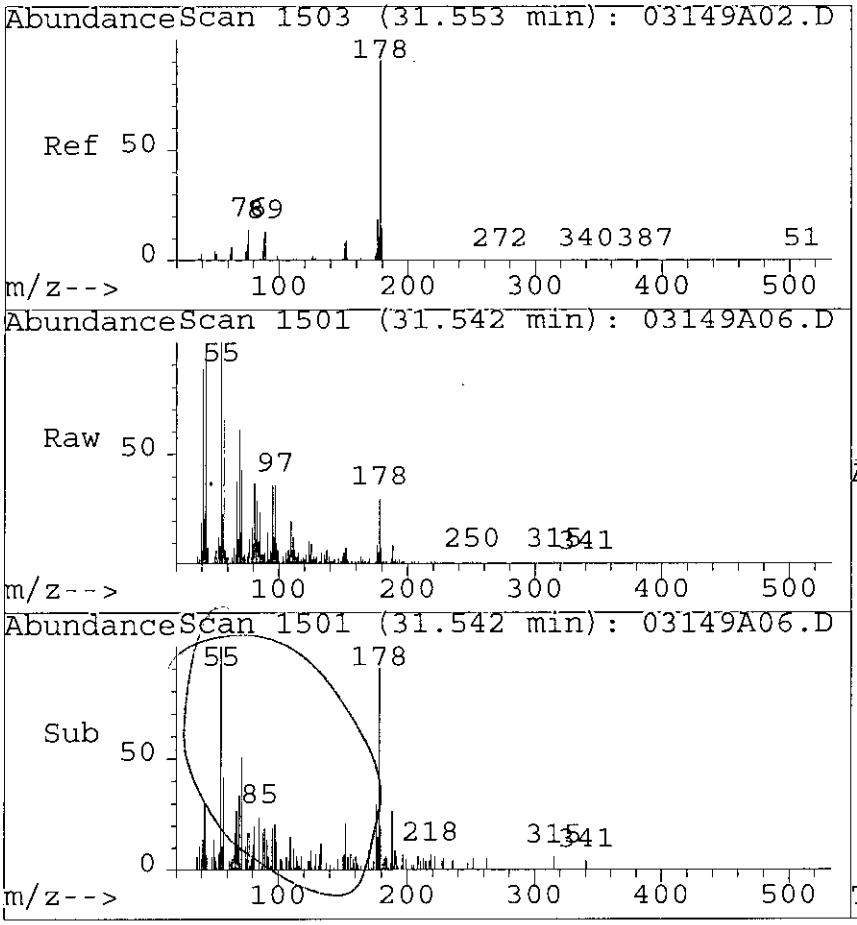


#58
2,4,6-TRIBROMOPHENOL
Concen: 49.25 ug/ml
RT: 29.12 min Scan# 1328
Delta R.T. 0.01 min
Lab File: 03149a06.d
Acq: 14 Mar 99 3:25 pm

Tgt Ion:329.7 Resp: 21673

Ion	Ratio	Lower	Upper
330	100		
332	109.6	69.7	104.5#
141	27.4	30.9	46.4#
0	0.0	0.0	0.0

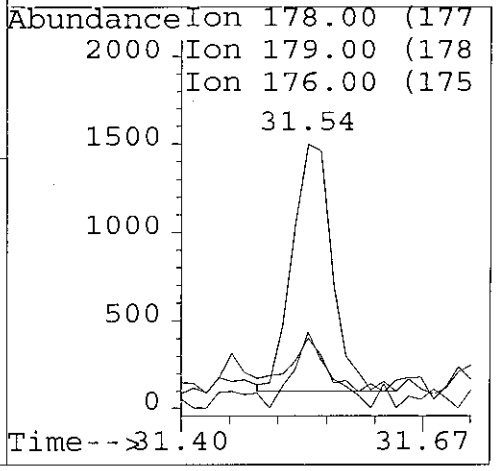


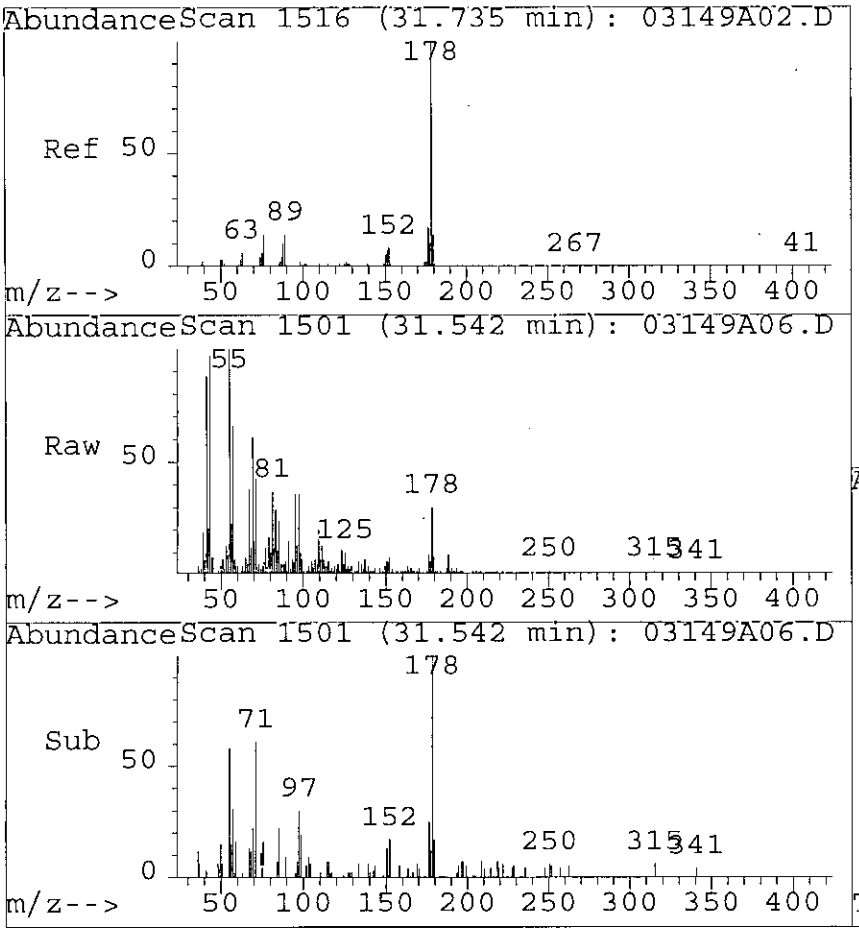


#65
PHENANTHRENE
Concen: 1.58 ug/ml
RT: 31.54 min Scan# 1501
Delta R.T. -0.01 min
Lab File: 03149a06.d
Acq: 14 Mar 99 3:25 pm

Tgt Ion:178 Resp: 4298

Ion	Ratio	Lower	Upper
178	100		
179	26.9	11.5	17.2#
176	29.1	15.3	23.0#
0	0.0	0.0	0.0

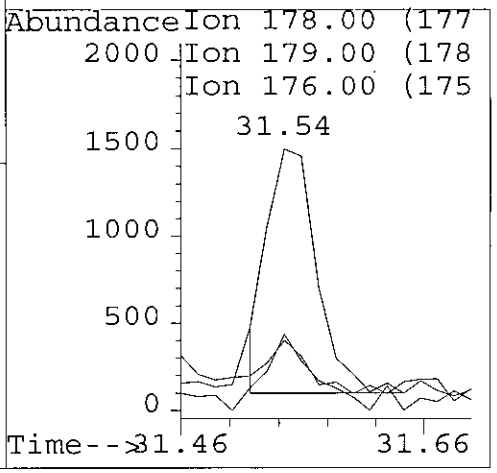


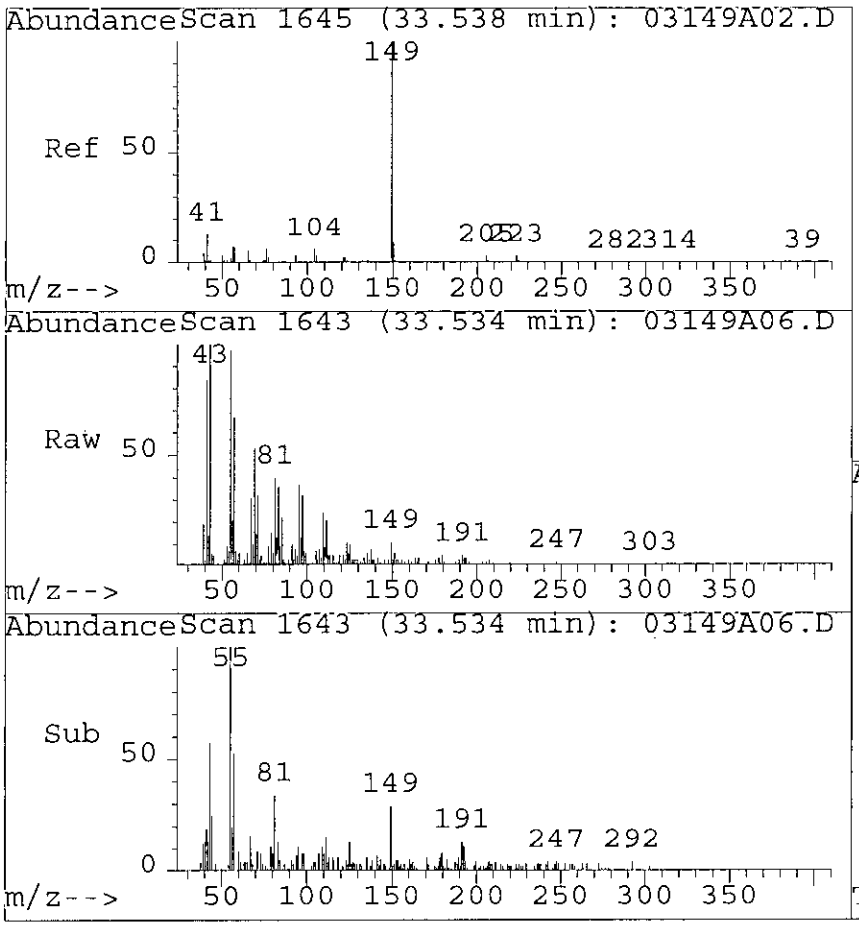


#66
ANTHRACENE
Concen: 1.41 ug/ml
RT: 31.54 min Scan# 1501
Delta R.T. -0.19 min
Lab File: 03149a06.d
Acq: 14 Mar 99 3:25 pm

Tgt Ion:178 Resp: 3936

Ion	Ratio	Lower	Upper
178	100		
179	26.9	12.3	18.4#
176	29.1	14.6	21.9#
0	0.0	0.0	0.0

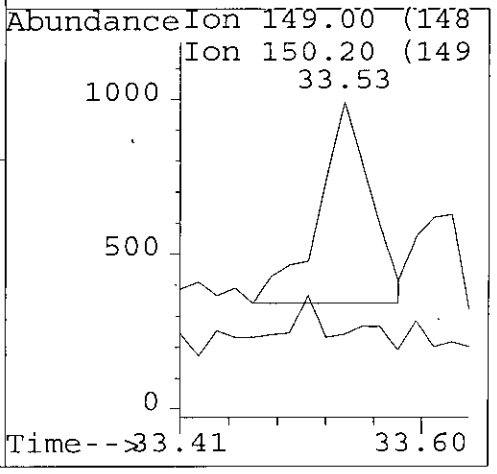


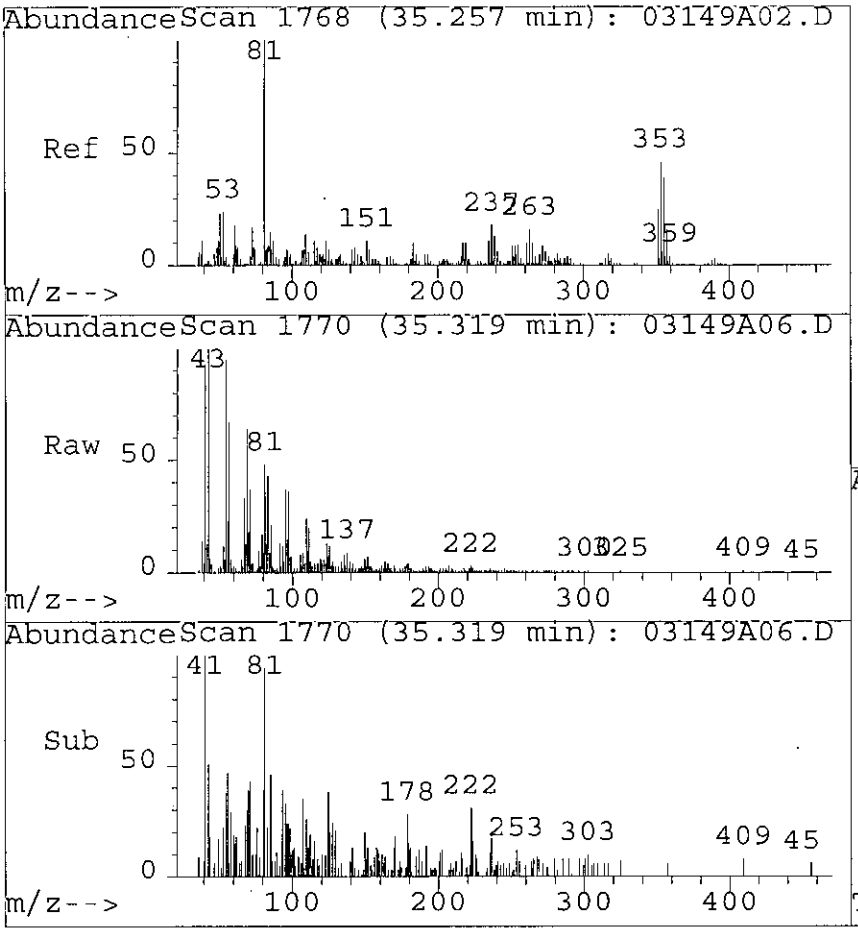


#70
DIBUTYLPHTHALATE
Concen: 0.47 ug/ml
RT: 33.53 min Scan# 1643
Delta R.T. -0.00 min
Lab File: 03149a06.d
Acq: 14 Mar 99 3:25 pm

Tgt Ion:149 Resp: 1804

Ion	Ratio	Lower	Upper
149	100		
150	24.4	7.1	10.6#
0	0.0	0.0	0.0
0	0.0	0.0	0.0

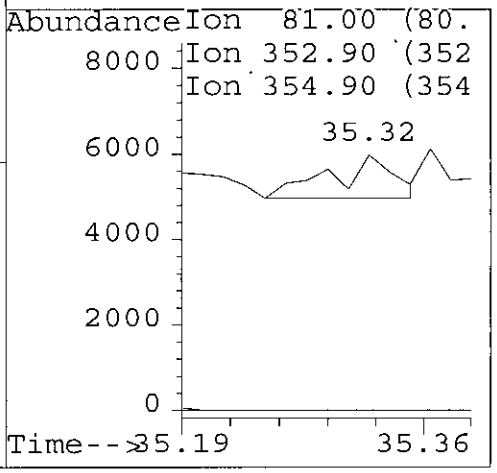


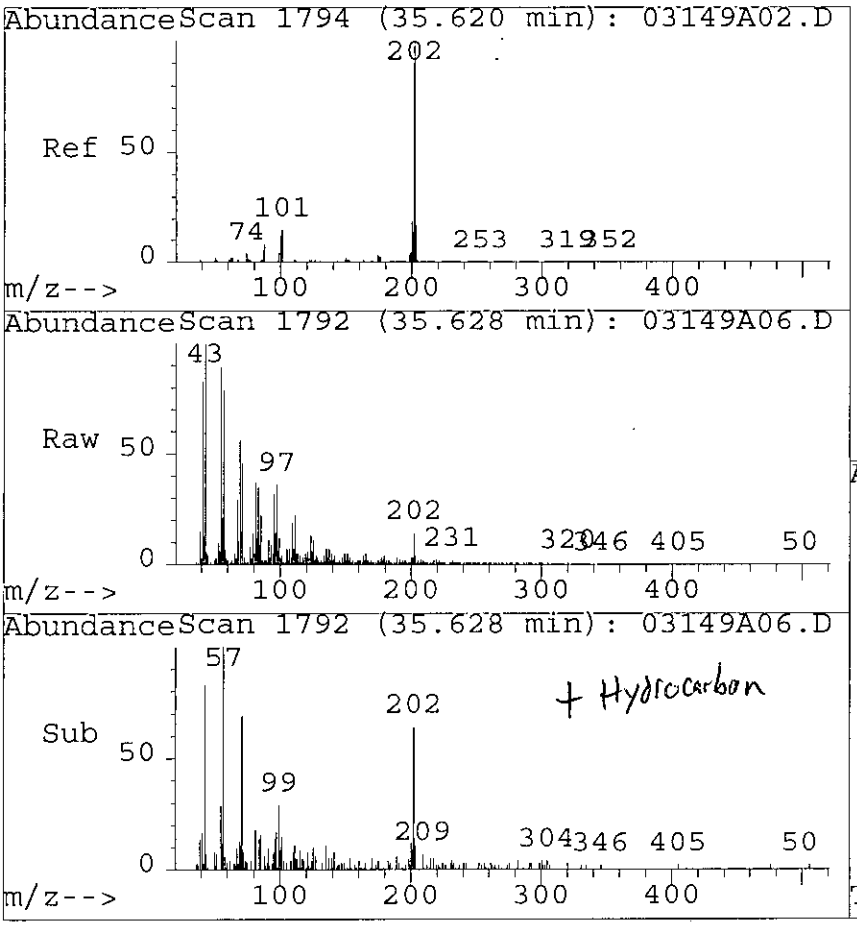


#72
HEPTACHLOR EPOXIDE
Concen: 7.48 ug/ml
RT: 35.32 min Scan# 1770
Delta R.T. 0.06 min
Lab File: 03149a06.d
Acq: 14 Mar 99 3:25 pm

Tgt Ion:81 Resp: 3107

Ion	Ratio	Lower	Upper
81	100		
353	0.0	32.2	48.3#
355	0.0	30.8	46.1#
0	0.0	0.0	0.0

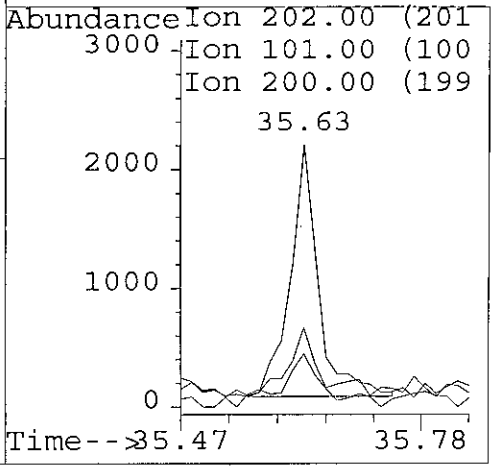


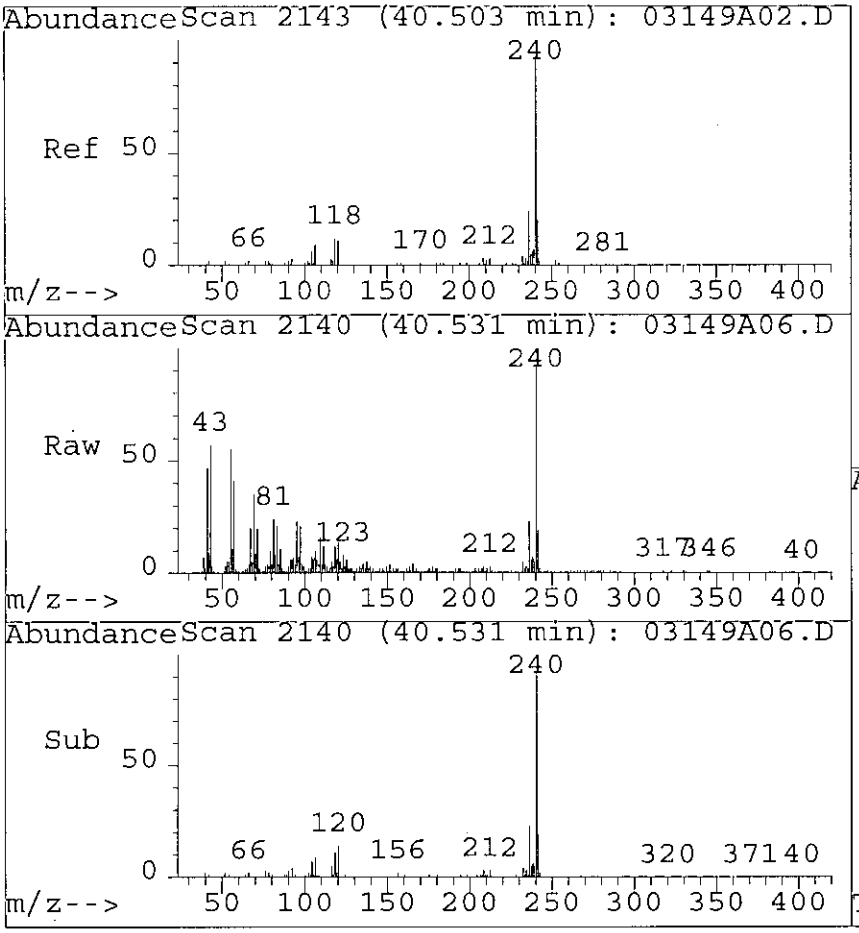


#73
FLUORANTHENE
Concen: 1.91 ug/ml
RT: 35.63 min Scan# 1792
Delta R.T. 0.01 min
Lab File: 03149a06.d
Acq: 14 Mar 99 3:25 pm

Tgt Ion:202 Resp: 5267

Ion	Ratio	Lower	Upper
202	100		
101	30.3	15.4	23.1#
200	20.4	16.2	24.3
0	0.0	0.0	0.0

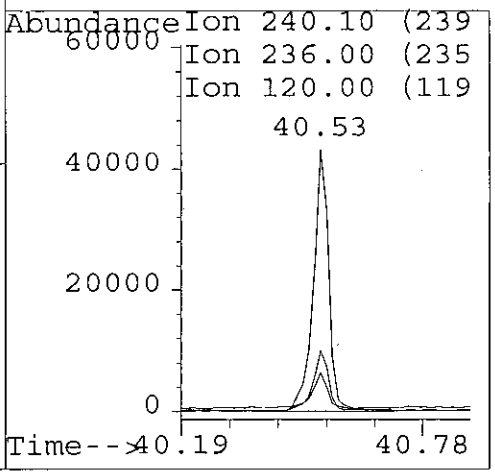


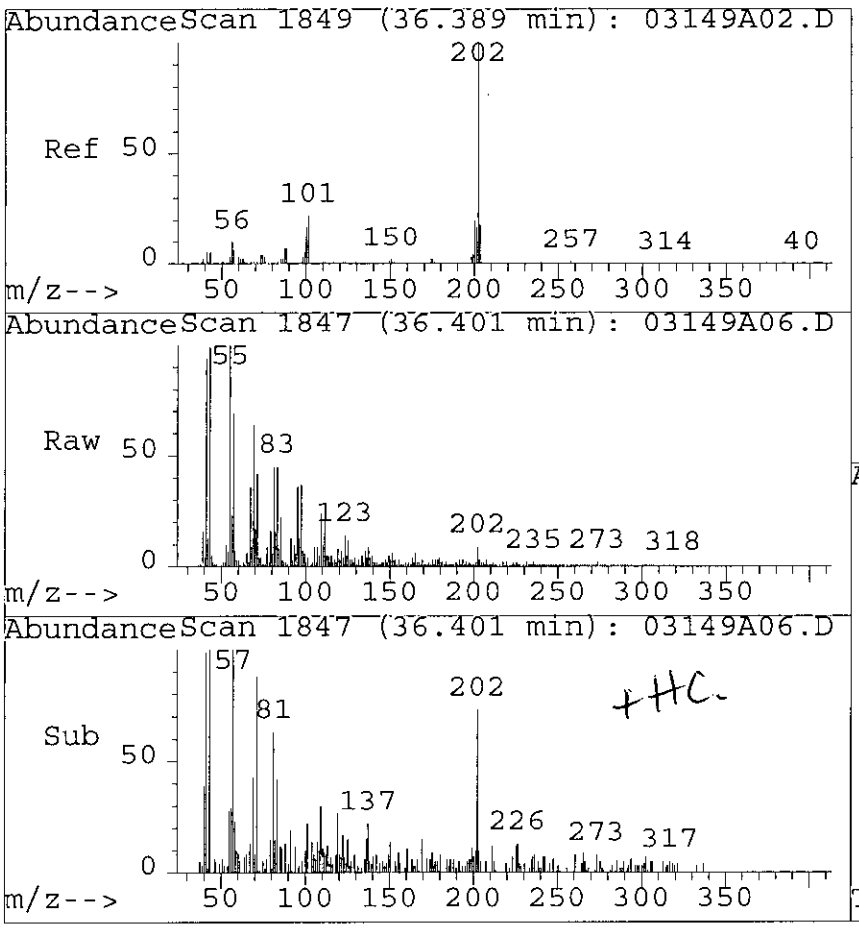


#74
CHRYSENE-D12
Concen: 40.00 ug/ml
RT: 40.53 min Scan# 2140
Delta R.T. 0.03 min
Lab File: 03149a06.d
Acq: 14 Mar 99 3:25 pm

Tgt Ion:240.1 Resp: 112918

Ion	Ratio	Lower	Upper
240	100		
236	23.1	20.6	30.9
120	14.9	17.5	26.2#
0	0.0	0.0	0.0

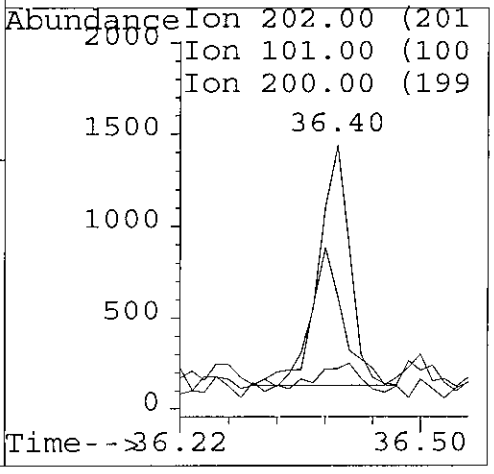


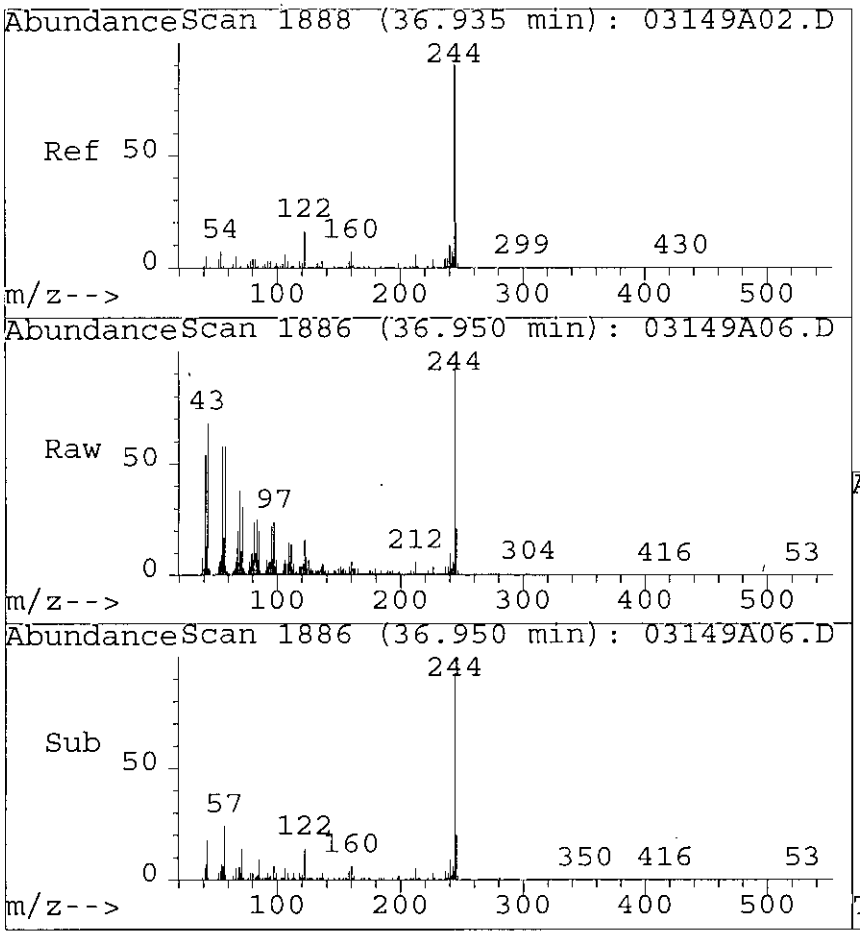


#75
PYRENE
Concen: 1.00 ug/ml
RT: 36.40 min Scan# 1847
Delta R.T. 0.01 min
Lab File: 03149a06.d
Acq: 14 Mar 99 3:25 pm

Tgt Ion:202 Resp: 3308

Ion	Ratio	Lower	Upper
202	100		
101	43.2	18.5	27.8#
200	15.5	16.4	24.5#
0	0.0	0.0	0.0

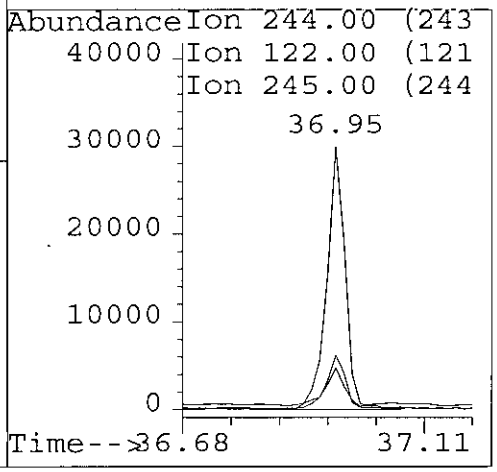


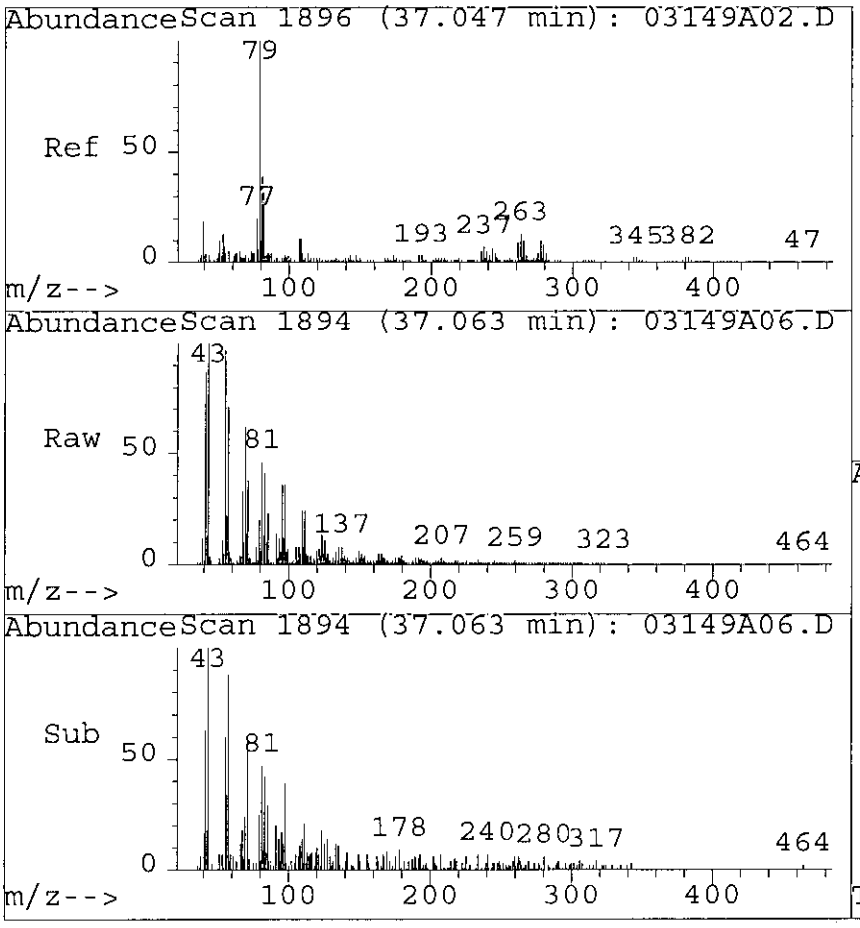


#78
P-TERPHENYL-D14
Concen: 24.32 ug/ml
RT: 36.95 min Scan# 1886
Delta R.T. 0.01 min
Lab File: 03149a06.d
Acq: 14 Mar 99 3:25 pm

Tgt Ion:244 Resp: 67511

Ion	Ratio	Lower	Upper
244	100		
122	15.8	15.3	23.0
245	20.7	15.6	23.3
0	0.0	0.0	0.0

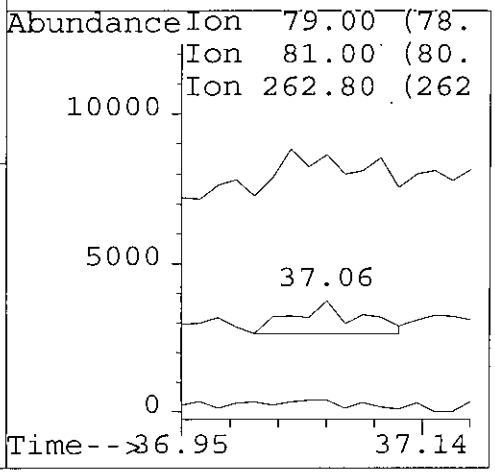


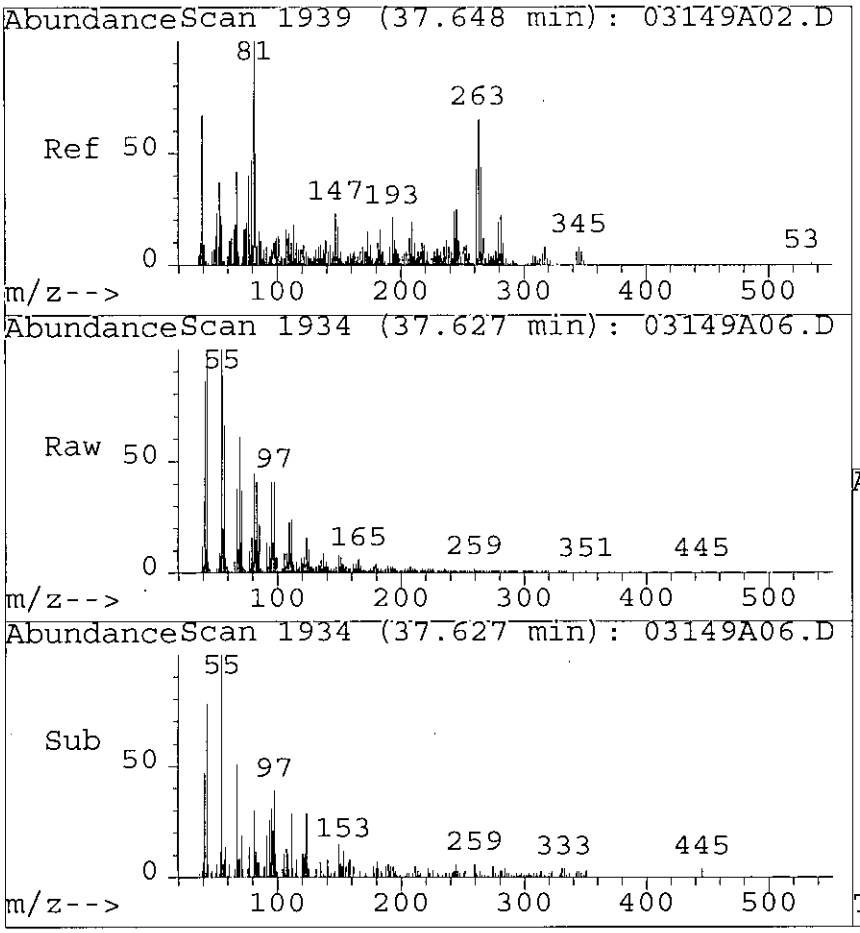


#79
DIELDRIN
Concen: 4.17 ug/ml
RT: 37.06 min Scan# 1894
Delta R.T. 0.02 min
Lab File: 03149a06.d
Acq: 14 Mar 99 3:25 pm

Tgt Ion:79 Resp: 3920

Ion	Ratio	Lower	Upper
79	100		
81	230.0	27.4	41.1#
263	10.5	8.0	11.9
0	0.0	0.0	0.0

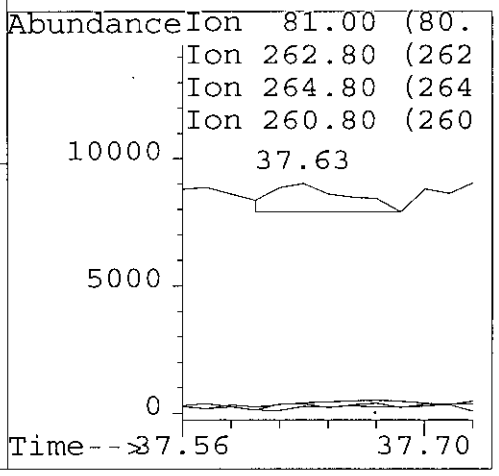


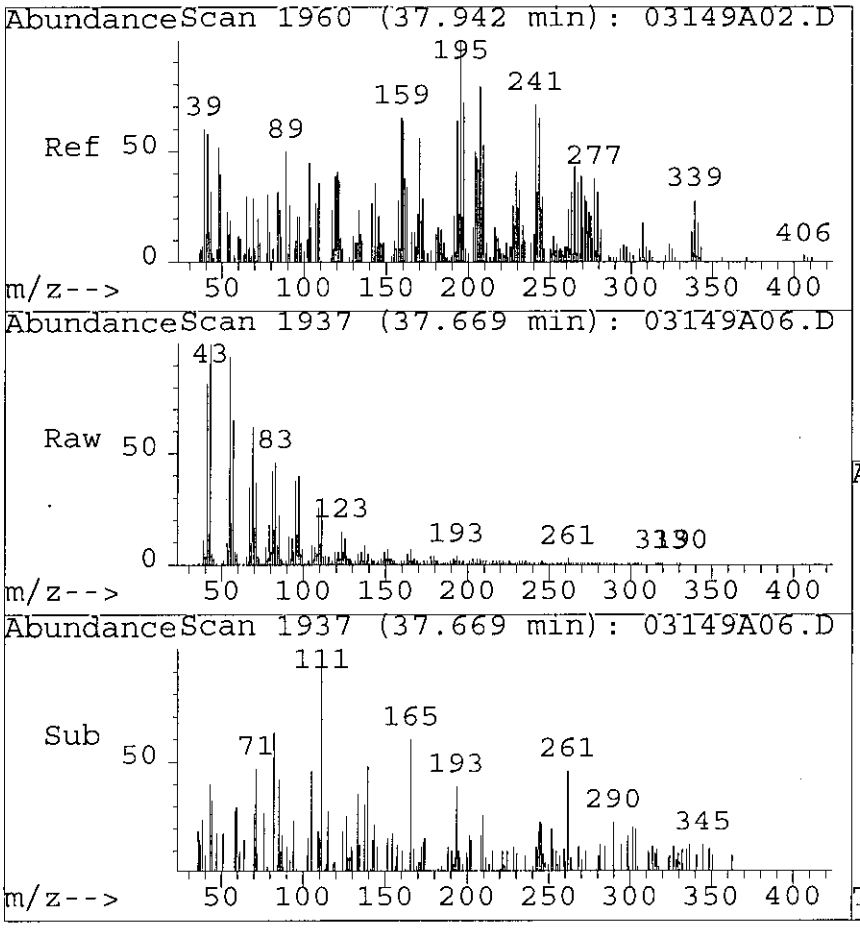


#80
ENDRIN
Concen: 11.3 ug/ml
RT: 37.63 min Scan# 1934
Delta R.T. -0.02 min
Lab File: 03149a06.d
Acq: 14 Mar 99 3:25 pm

Tgt Ion:81 Resp: 3268

Ion	Ratio	Lower	Upper
81	100		
263	4.1	35.7	53.6#
265	3.0	24.4	36.5#
261	4.5	24.6	36.9#

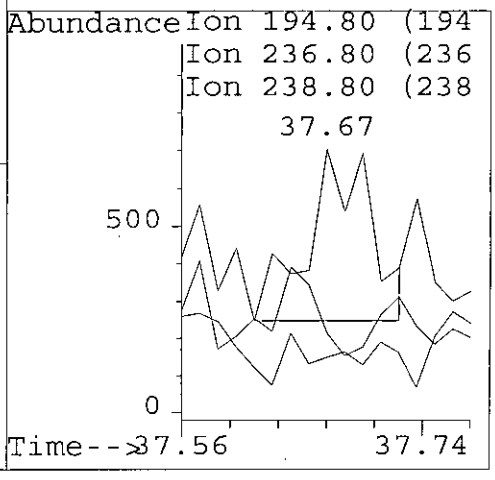


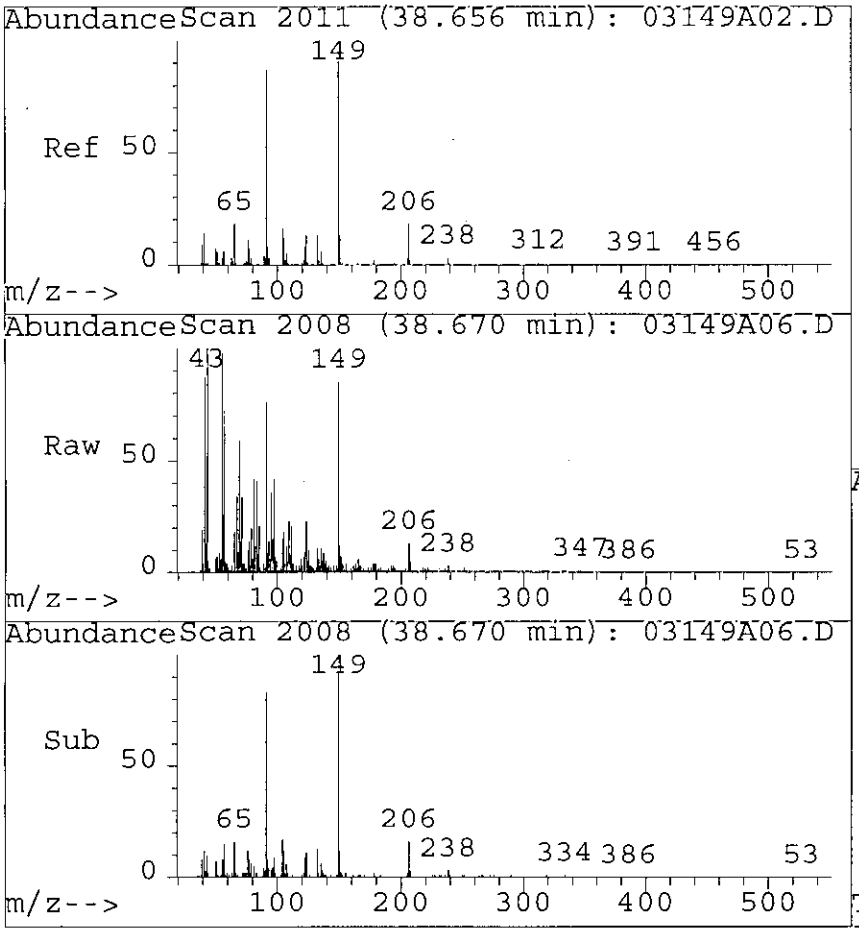


#81
ENDOSULFAN II
Concen: 15.6 ug/ml
RT: 37.67 min Scan# 1937
Delta R.T. -0.27 min
Lab File: 03149a06.d
Acq: 14 Mar 99 3:25 pm

Tgt Ion:194.8 Resp: 1588

Ion	Ratio	Lower	Upper
195	100		
237	30.6	57.4	86.1#
239	21.4	57.3	85.9#
0	0.0	0.0	0.0

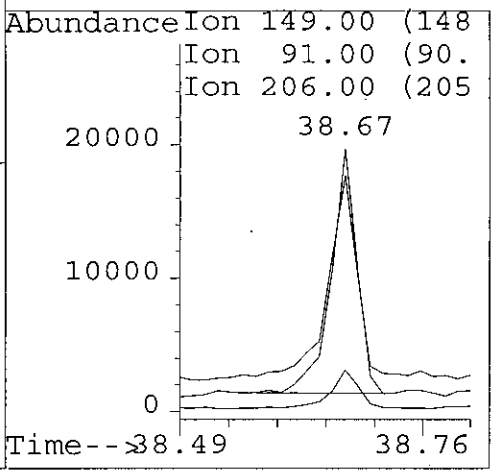


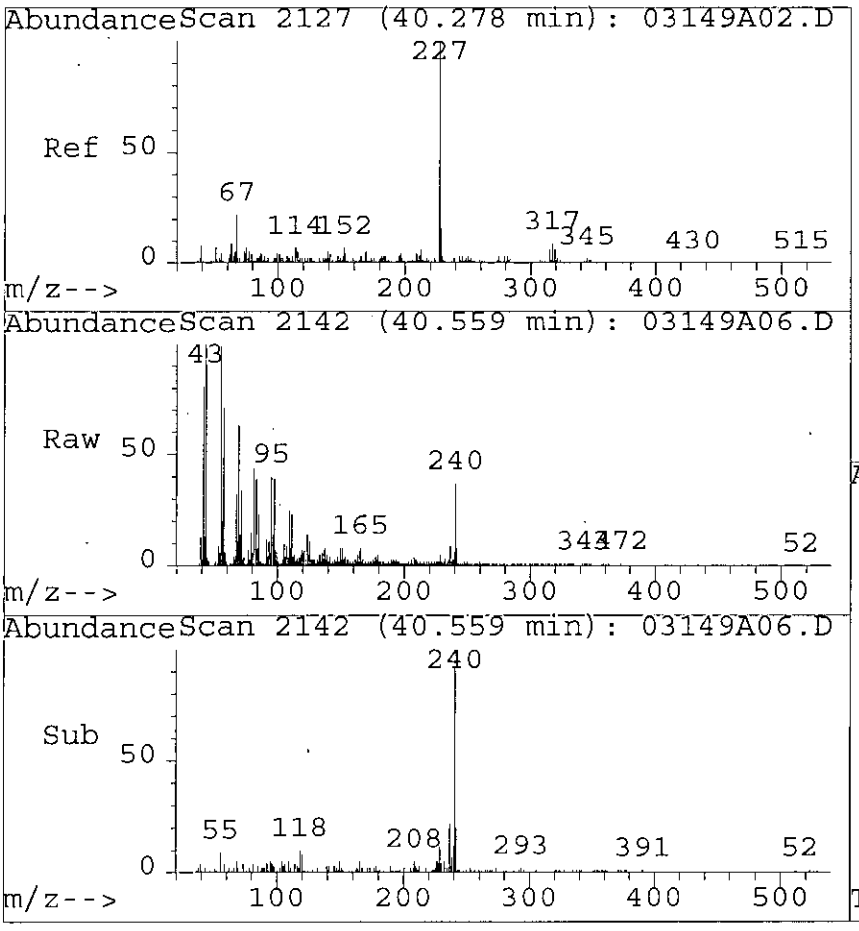


#83
BUTYLBENZYLPHTHALATE
Concen: 19.37 ug/ml
RT: 38.67 min Scan# 2008
Delta R.T. 0.01 min
Lab File: 03149a06.d
Acq: 14 Mar 99 3:25 pm

Tgt Ion:149 Resp: 36652

Ion	Ratio	Lower	Upper
149	100		
91	90.0	65.3	97.8
206	15.9	11.5	17.2
0	0.0	0.0	0.0

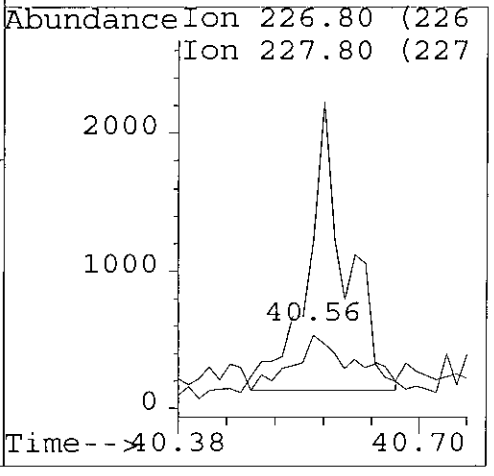


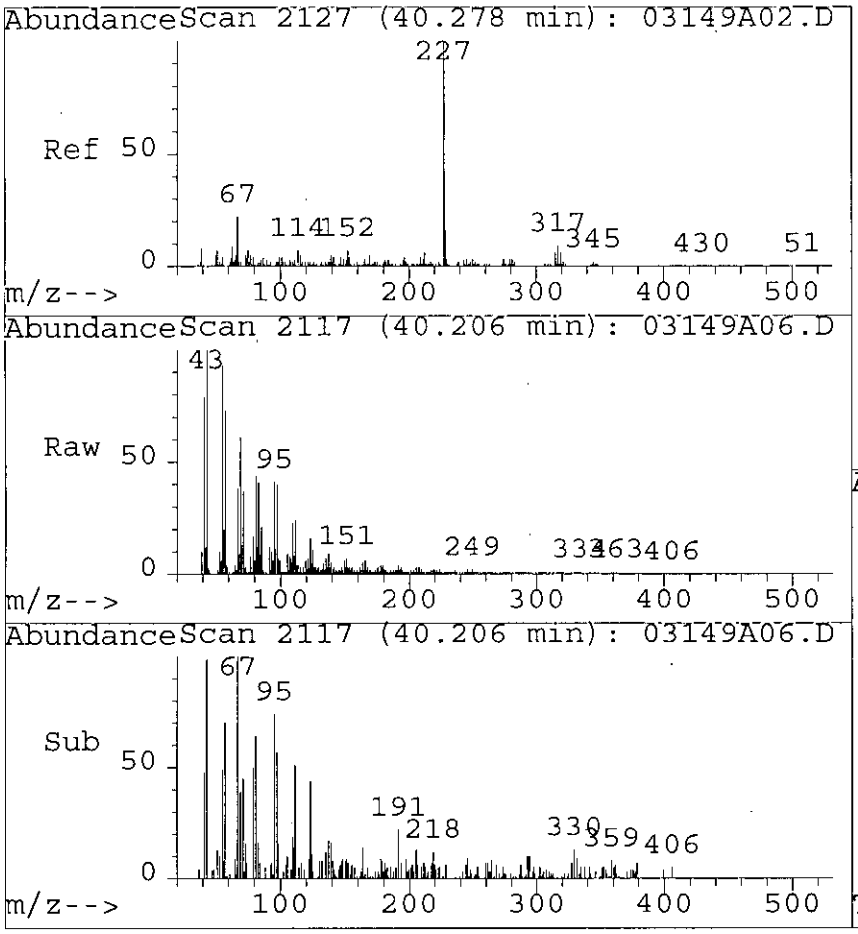


#86
METHOXYCHLOR
Concen: 1.17 ug/ml
RT: 40.56 min Scan# 2142
Delta R.T. 0.28 min
Lab File: 03149a06.d
Acq: 14 Mar 99 3:25 pm

Tgt Ion:226.8 Resp: 2235

Ion	Ratio	Lower	Upper
227	100		
228	230.1	13.2	19.7#
0	0.0	0.0	0.0
0	0.0	0.0	0.0

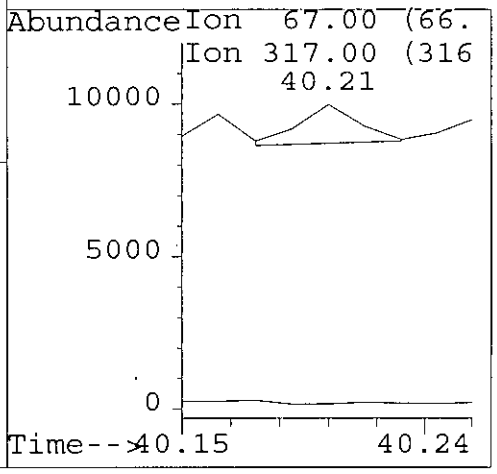


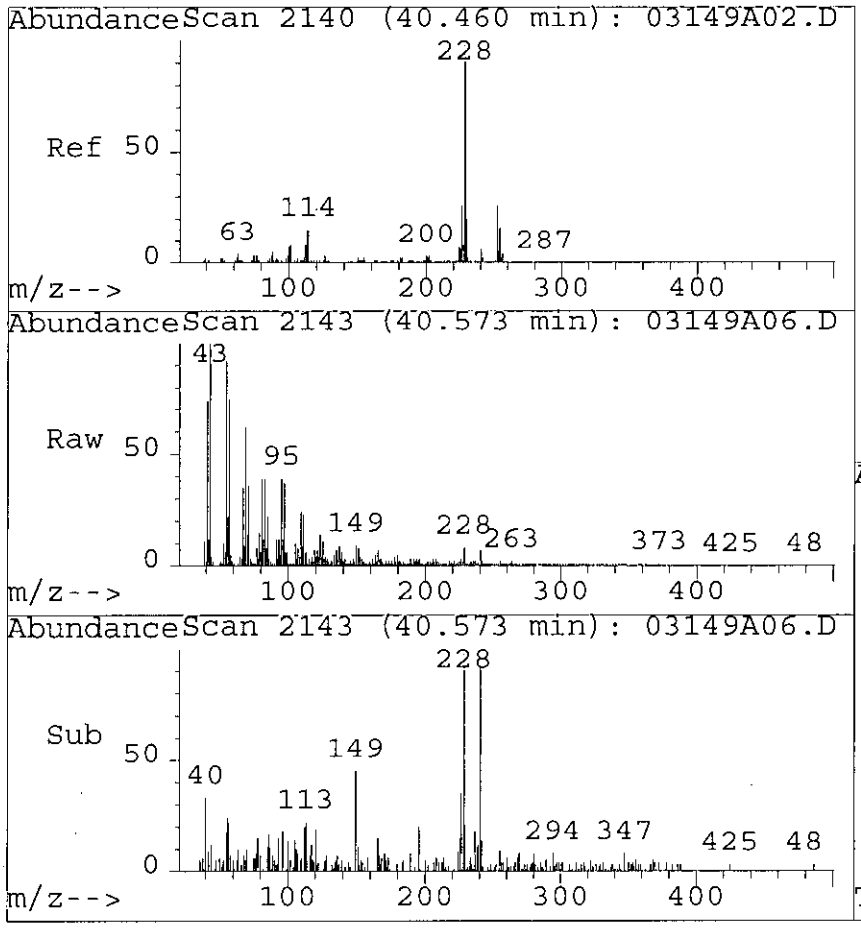


#87
ENDRIN KETONE
Concen: 4.33 ug/ml
RT: 40.21 min Scan# 2117
Delta R.T. -0.07 min
Lab File: 03149a06.d
Acq: 14 Mar 99 3:25 pm

Tgt Ion:67 Resp: 2054

Ion	Ratio	Lower	Upper
67	100		
317	1.8	17.7	26.6#
0	0.0	0.0	0.0
0	0.0	0.0	0.0

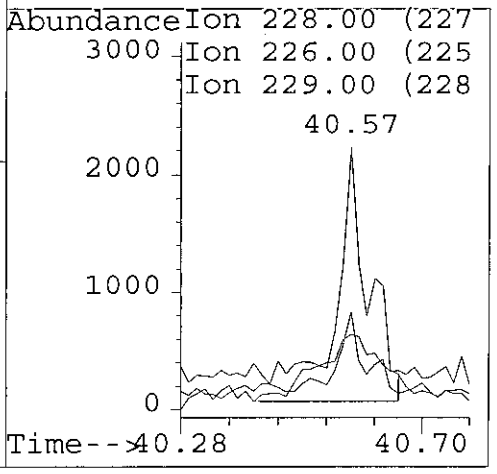


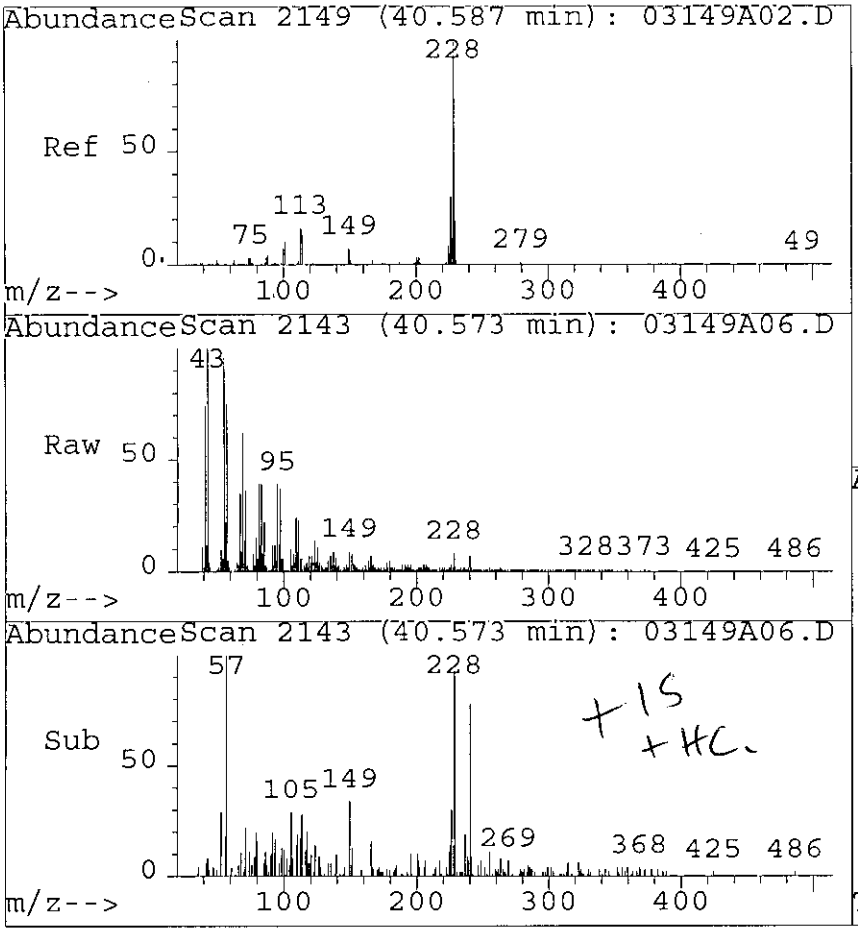


#89
BENZ(A)ANTHRACENE
Concen: 2.81 ug/ml
RT: 40.57 min Scan# 2143
Delta R.T. 0.11 min
Lab File: 03149a06.d
Acq: 14 Mar 99 3:25 pm

Tgt Ion:228 Resp: 8354

Ion	Ratio	Lower	Upper
228	100		
226	37.3	22.6	33.9#
229	28.7	16.8	25.1#
0	0.0	0.0	0.0

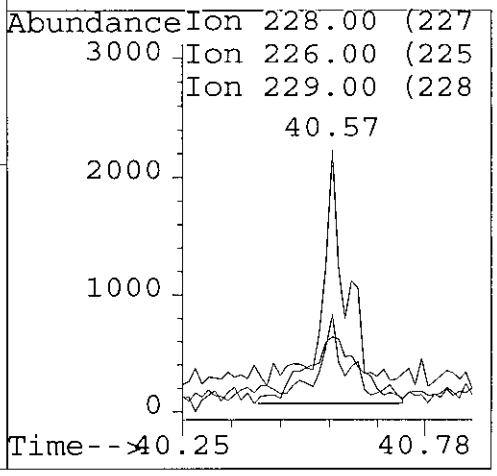


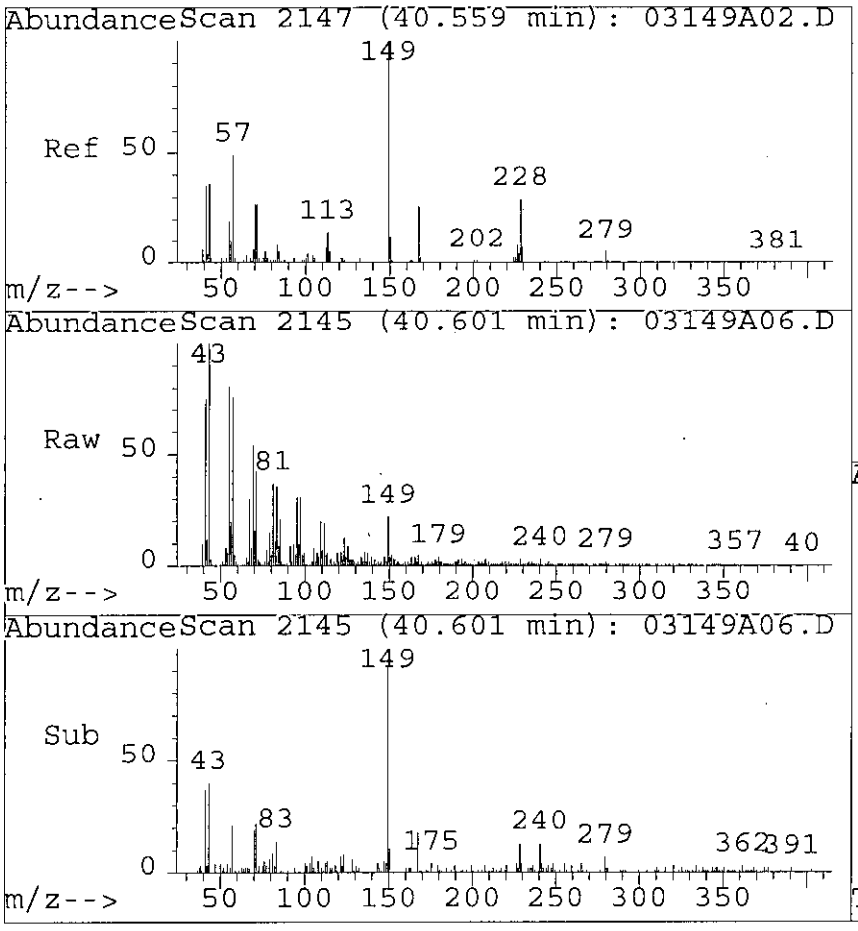


#90
CHRYSENE
Concen: 3.09 ug/ml
RT: 40.57 min Scan# 2143
Delta R.T. -0.01 min
Lab File: 03149a06.d
Acq: 14 Mar 99 3:25 pm

Tgt Ion:228 Resp: 8702

Ion	Ratio	Lower	Upper
228	100		
226	37.3	22.1	33.1#
229	28.7	16.2	24.3#
0	0.0	0.0	0.0

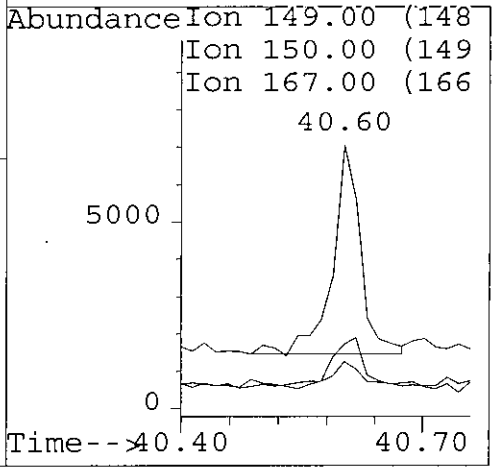


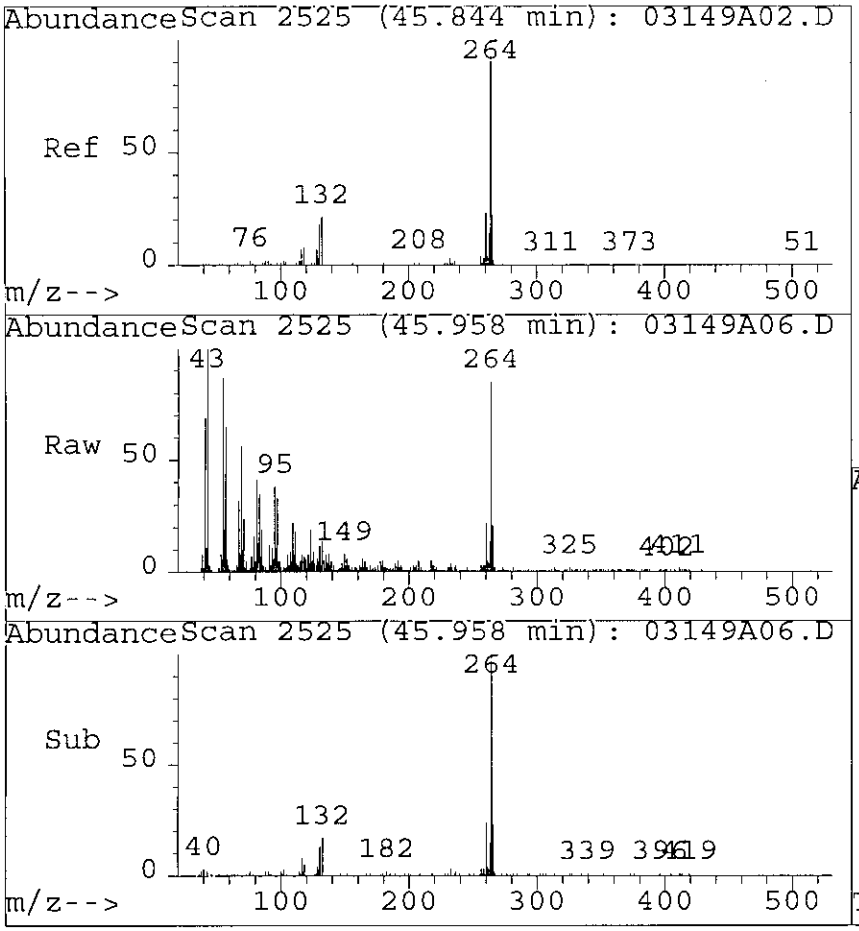


#91
BIS(2-ETHYLHEXYL)PHTHALATE
Concen: 5.06 ug/ml
RT: 40.60 min Scan# 2145
Delta R.T. 0.04 min
Lab File: 03149a06.d
Acq: 14 Mar 99 3:25 pm

Tgt Ion:149 Resp: 13427

Ion	Ratio	Lower	Upper
149	100		
150	17.9	9.5	14.2#
167	24.5	20.5	30.7
0	0.0	0.0	0.0

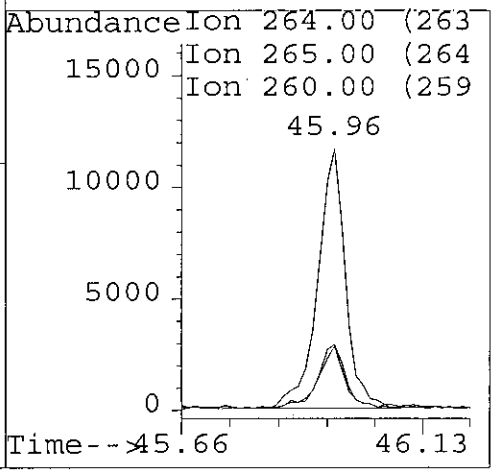


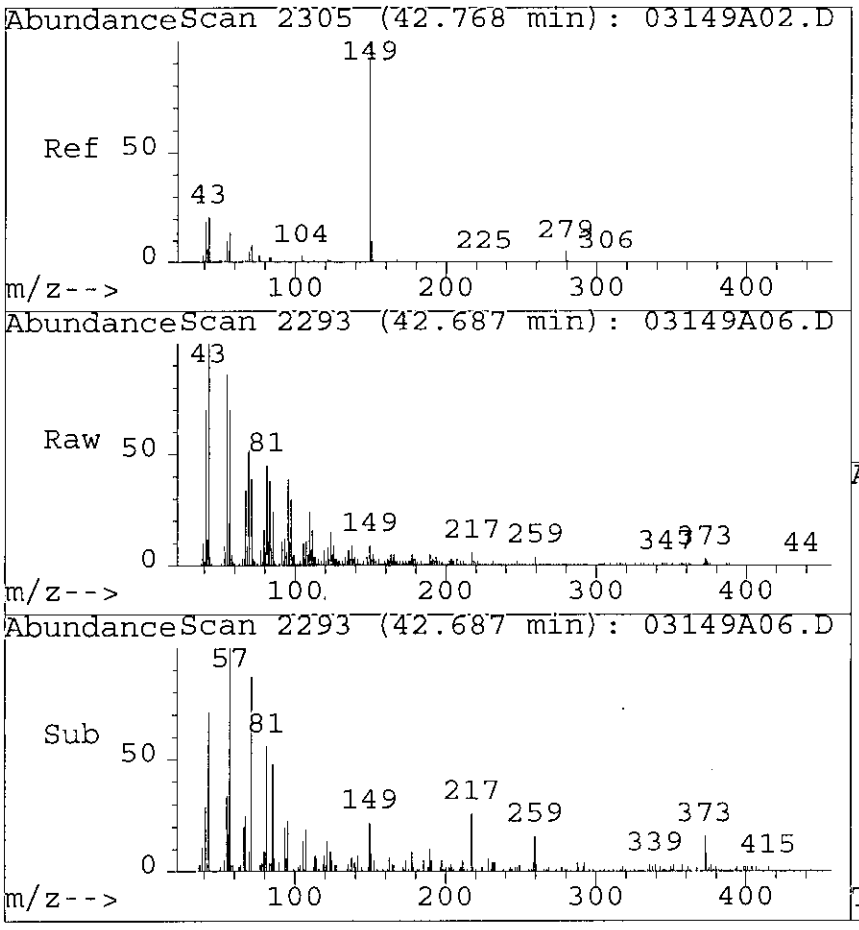


#92
PERYLENE-D12
Concen: 40.00 ug/ml
RT: 45.96 min Scan# 2525
Delta R.T. 0.11 min
Lab File: 03149a06.d
Acq: 14 Mar 99 3:25 pm

Tgt Ion:264 Resp: 44192

Ion	Ratio	Lower	Upper
264	100		
265	24.7	17.1	25.6
260	25.3	19.3	28.9
0	0.0	0.0	0.0

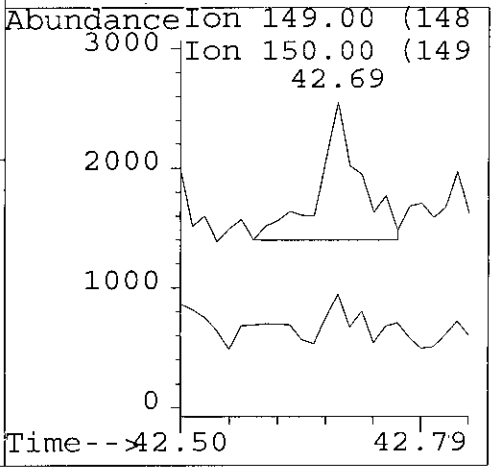


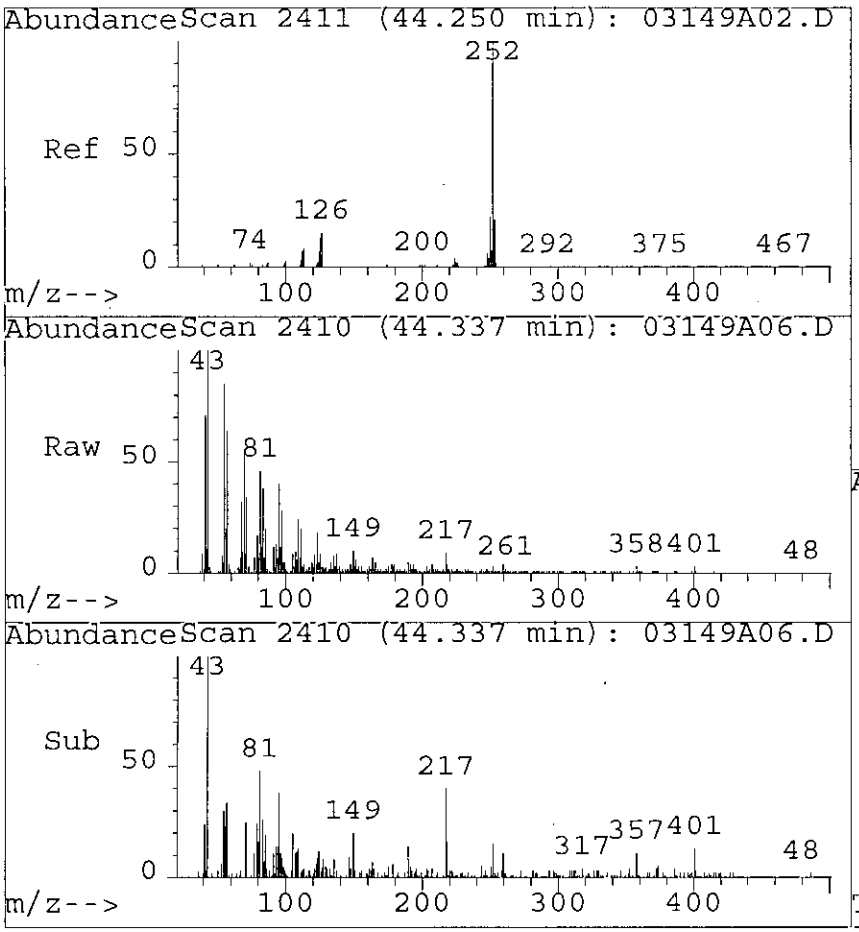


#93
DI-N-OCTYLPHTHALATE
Concen: 2.03 ug/ml
RT: 42.69 min Scan# 2293
Delta R.T. -0.08 min
Lab File: 03149a06.d
Acq: 14 Mar 99 3:25 pm

Tgt Ion:149 Resp: 3930

Ion	Ratio	Lower	Upper
149	100		
150	37.0	8.1	12.1#
0	0.0	0.0	0.0
0	0.0	0.0	0.0

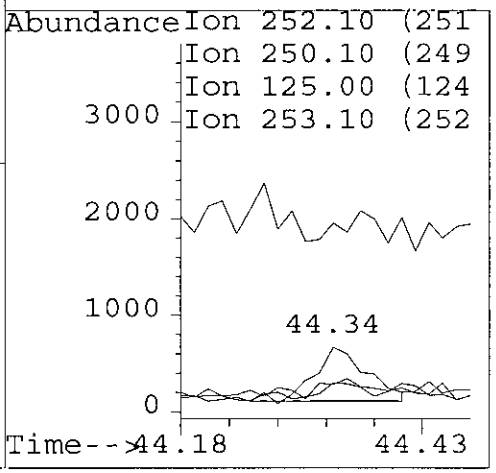


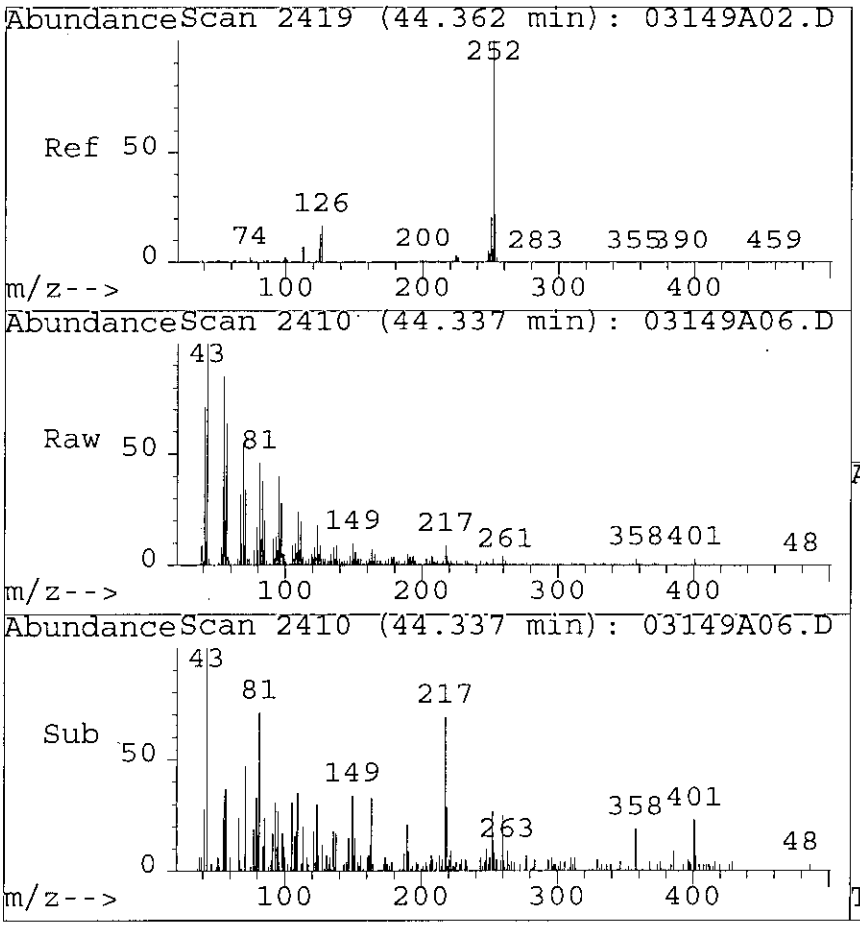


#94
BENZO(B)FLUORANTHENE
Concen: 1.46 ug/ml
RT: 44.34 min Scan# 2410
Delta R.T. 0.09 min
Lab File: 03149a06.d
Acq: 14 Mar 99 3:25 pm

Tgt Ion:252.1 Resp: 2110

Ion	Ratio	Lower	Upper
252	100		
250	45.0	20.5	30.8#
125	293.3	18.1	27.2#
253	42.3	17.2	25.7#

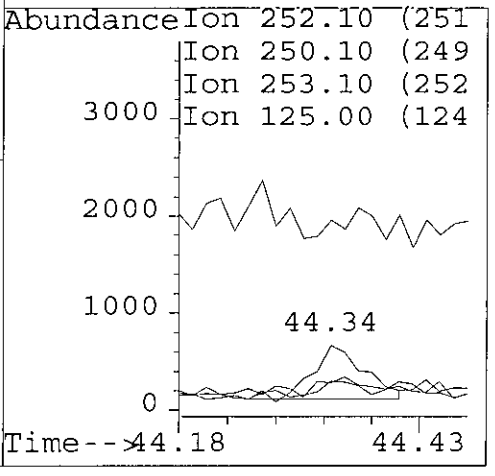


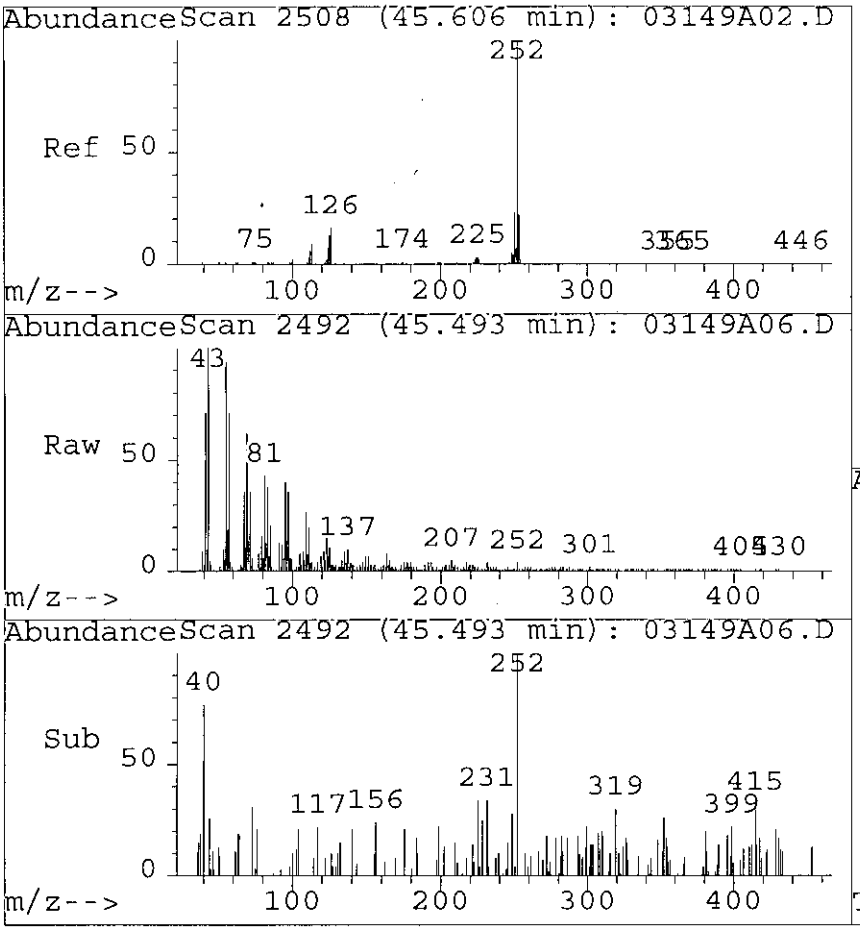


#95
BENZO(K)FLUORANTHENE
Concen: 1.39 ug/ml
RT: 44.34 min Scan# 2410
Delta R.T. -0.02 min
Lab File: 03149a06.d
Acq: 14 Mar 99 3:25 pm

Tgt Ion:252.1 Resp: 2110

Ion	Ratio	Lower	Upper
252	100		
250	45.0	18.5	27.7#
253	42.3	17.2	25.7#
125	293.3	18.2	27.3#

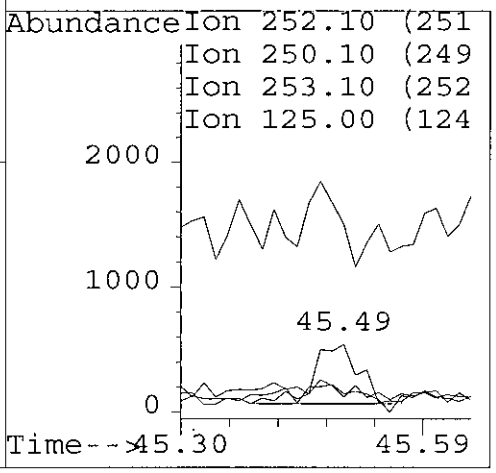




#96
BENZO(A)PYRENE
Concen: 1.33 ug/ml
RT: 45.49 min Scan# 2492
Delta R.T. -0.11 min
Lab File: 03149a06.d
Acq: 14 Mar 99 3:25 pm

Tgt Ion:252.1 Resp: 1834

Ion	Ratio	Lower	Upper
252	100		
250	27.6	18.7	28.0
253	22.0	15.9	23.8
125	278.1	19.6	29.3#



TIC: 03149A06.D

67832 1:2

Peak#	Ret Time	Type	Width	Area	Start Time	End Time
1	11.380	rBV	0.377	836047 TIC	11.255	11.632
2	11.687	rVV	0.167	14985	11.632	11.799
3	12.428	rBV	0.224	151853-S	12.358	12.582
4	12.778	rBV	0.140	27135	12.722	12.861
5	12.945	rBV	0.126	10065	12.903	13.029
6	13.141	rVB	0.112	18385	13.113	13.225
7	13.769	rBV	0.139	11556	13.672	13.811
8	14.007	rBV	0.112	10704	13.951	14.063
9	14.551	rBV	0.196	57583	14.440	14.635
10	15.013	rVB	0.112	65604	14.971	15.083
11	15.292	rBV	0.308	268670-S	15.166	15.474
12	15.502	rVV	0.098	35470	15.474	15.572
13	15.628	rVV	0.182	206565-S	15.572	15.754
14	15.866	rVV	0.126	26717	15.810	15.936
15	16.257	rBV	0.168	238417-IS	16.159	16.327
16	16.537	rBV	0.195	61964	16.355	16.551
17	16.746	rVB	0.154	90968-S	16.704	16.858
18	16.928	rVB	0.153	17947	16.900	17.054
19	17.109	rVB	0.154	31080	17.054	17.208
20	17.263	rBV	0.126	23141	17.208	17.333
21	17.375	rVB	0.126	11351	17.333	17.459
22	17.599	rBV	0.182	34080	17.487	17.669
23	17.976	rVB	0.126	19863	17.921	18.046
24	18.116	rBV	0.196	88739-S	18.046	18.242
25	18.326	rVB	0.154	33110	18.256	18.410
26	18.675	rBV	0.154	38334	18.619	18.773
27	19.136	rBV	0.126	14300	19.025	19.150
28	19.318	rBV	0.112	14252	19.290	19.402
29	19.780	rBV	0.168	30523	19.682	19.850
30	20.004	rVB	0.168	14981	19.920	20.088
31	20.129	rBV	0.112	10867	20.088	20.200
32	20.256	rVB	0.112	22317	20.200	20.312
33	20.409	rBV	0.224	284039-IS	20.312	20.535
34	20.591	rBV	0.112	28833	20.535	20.647
35	20.745	rVB	0.084	10823	20.731	20.815
36	21.039	rVB	0.126	15812	20.997	21.123
37	21.809	rBV	0.182	51166	21.683	21.865
38	21.963	rVV	0.112	13848	21.879	21.991
39	22.215	rVB	0.126	28945	22.186	22.312
40	22.368	rBV	0.084	17400	22.312	22.396
41	22.676	rVV	0.210	39283	22.578	22.788
42	22.816	rVB	0.084	10374	22.788	22.872
43	22.928	rBV	0.154	11106	22.872	23.026
44	23.110	rBV	0.084	21680	23.068	23.152
45	23.194	rVB	0.098	17999	23.152	23.250
46	23.432	rBV	0.084	11874	23.390	23.474
47	23.572	rVV	0.070	14861	23.544	23.614
48	23.740	rBV	0.182	50067	23.642	23.824
49	23.922	rVV	0.140	23898	23.824	23.964
50	24.090	rVV	0.182	156274-S	24.006	24.187
51	24.230	rVV	0.098	12254	24.187	24.286
52	24.327	rVV	0.112	27699	24.286	24.397
53	24.481	rVB	0.126	45618	24.411	24.537
54	24.649	rVB	0.196	45119	24.537	24.733
55	24.817	rBV	0.140	15546	24.733	24.873

56	24.943	rBV	0.140	24566	24.873	25.013
57	25.083	rVB	0.154	28381	25.013	25.167
58	25.223	rBV	0.084	12660	25.167	25.251
59	25.405	rBV	0.098	25181	25.349	25.447
60	25.559	rBV	0.140	27143	25.517	25.657
61	26.174	rVB	0.140	42146	26.133	26.272
62	26.370	rVV	0.168	318831-IS	26.272	26.440
63	26.482	rVB	0.126	32551	26.440	26.566
64	26.986	rBV	0.112	26891	26.888	27.000
65	27.196	rBV	0.112	22609	27.140	27.252
66	27.294	rVV	0.126	40568	27.252	27.378
67	27.504	rBV	0.084	11070	27.462	27.546
68	27.728	rBV	0.126	20098	27.644	27.770
69	27.924	rBV	0.196	64734	27.770	27.966
70	28.232	rVB	0.127	33298	28.190	28.316
71	28.358	rVB	0.112	14509	28.316	28.429
72	28.456	rBV	0.070	13498	28.429	28.498
73	28.667	rBV	0.140	53487	28.568	28.709
74	28.947	rBV	0.098	36015	28.905	29.004
75	29.102	rVV	0.140	160091-S	29.060	29.200
76	29.578	rBV	0.126	107362	29.494	29.621
77	29.873	rVB	0.112	28625	29.817	29.929
78	29.971	rBV	0.098	23812	29.929	30.027
79	30.196	rBV	0.098	24693	30.153	30.252
80	30.308	rVV	0.154	36852	30.252	30.406
81	30.532	rBV	0.140	28629	30.490	30.631
82	30.673	rBV	0.070	10917	30.631	30.701
83	30.883	rBV	0.126	33883	30.813	30.939
84	31.079	rBV	0.084	26989	31.037	31.122
85	31.178	rVB	0.140	170732 TIC	31.122	31.262
86	31.332	rBV	0.098	38557	31.290	31.388
87	31.472	rBV	0.127	342034-IS	31.388	31.514
88	31.556	rVB	0.070	36597	31.528	31.598
89	31.753	rBV	0.140	122797	31.683	31.823
90	32.384	rBV	0.126	94201	32.328	32.454
91	32.707	rBV	0.168	85570	32.608	32.777
92	33.268	rVB	0.112	68404	33.226	33.338
93	33.478	rBV	0.084	51309	33.436	33.520
94	34.152	rBV	0.056	20759	34.124	34.180
95	34.770	rBV	0.126	72811	34.686	34.812
96	35.431	rBV	0.084	55762	35.389	35.473
97	35.642	rBV	0.126	154294-T	35.586	35.712
98	36.950	rBV	0.113	317232-S	36.894	37.006
99	38.670	rVB	0.085	131533-T	38.641	38.726
100	40.531	rVB	0.085	180882-IS	40.488	40.573
101	42.321 ←	rVB	0.169	310195 TIC	42.279	42.448
102	45.662	rBV	0.113	169754	45.606	45.719
103	45.958	rVB	0.127	133940-IS	45.916	46.043
104	46.353 ←	rVB	0.141	172014 TIC	46.310	46.452
105	47.946	rVB	0.155	106346	47.904	48.059
106	48.524	rBV	0.127	186182 TIC	48.453	48.580
107	49.539	rVB	0.155	76235	49.483	49.637
108	50.200	rVB	0.211	336362 TIC	50.074	50.285
109	51.100	rVB	0.141	70597	51.072	51.213
110	52.464	rVB	0.225	130174	52.380	52.605
111	54.556	rVB	0.196	79480	54.486	54.682
112	55.032	rBV	0.154	60036	54.948	55.103

Library Search Compound Report

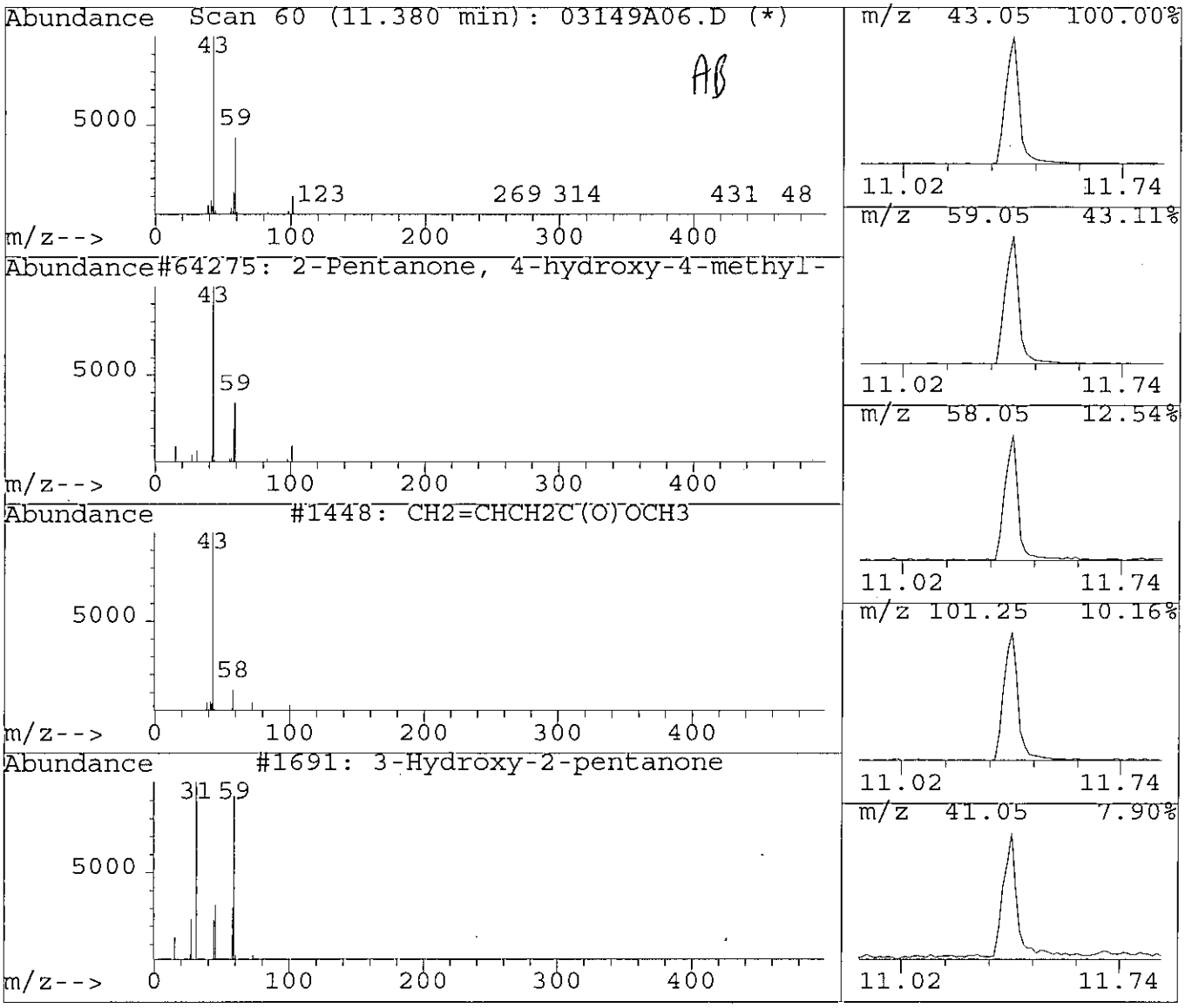
Data File : C:\HPCHEM\1\DATA\03149A06.D
Acq On : 14 Mar 99 3:25 pm
Sample : 67832 1:2
Misc : American Glue & Resin P#99187

Vial: 6
Operator: ESAT
Inst : 5988
Multiplr: 915.96

Method : C:\HPCHEM\1\METHODS\03149A01.M
Title : semivolatiles
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	R.T.
11.38	129484.32 ug/ml	836047	1,4-DICHLOROBENZENE-D4	16.26

Hit# of 20	Tentative ID	Ref#	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	64275	000123-42-2	50
2	CH2=CHCH2C(O)OCH3	1448	003724-55-8	12
3	3-Hydroxy-2-pentanone	1691	003142-66-3	9
4	2-Propanone, 1-(1-methylethoxy)-	3286	042781-12-4	9
5	Formamide, N,N-diethyl-	1629	000617-84-5	7



Library Search Compound Report

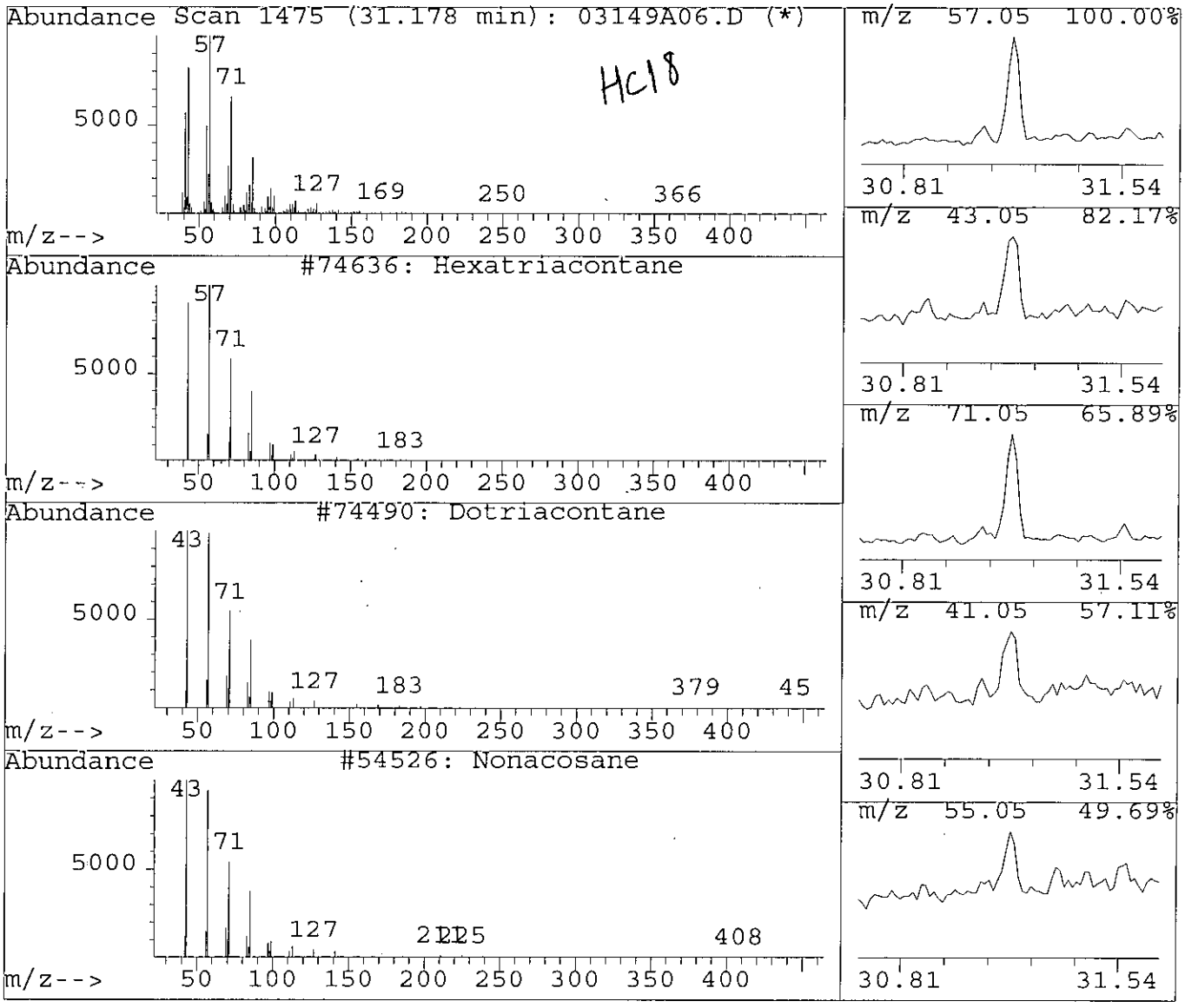
Data File : C:\HPCHEM\1\DATA\03149A06.D
Acq On : 14 Mar 99 3:25 pm
Sample : 67832 1:2
Misc : American Glue & Resin P#99187

Vial: 6
Operator: ESAT
Inst : 5988
Multiplr: 915.96

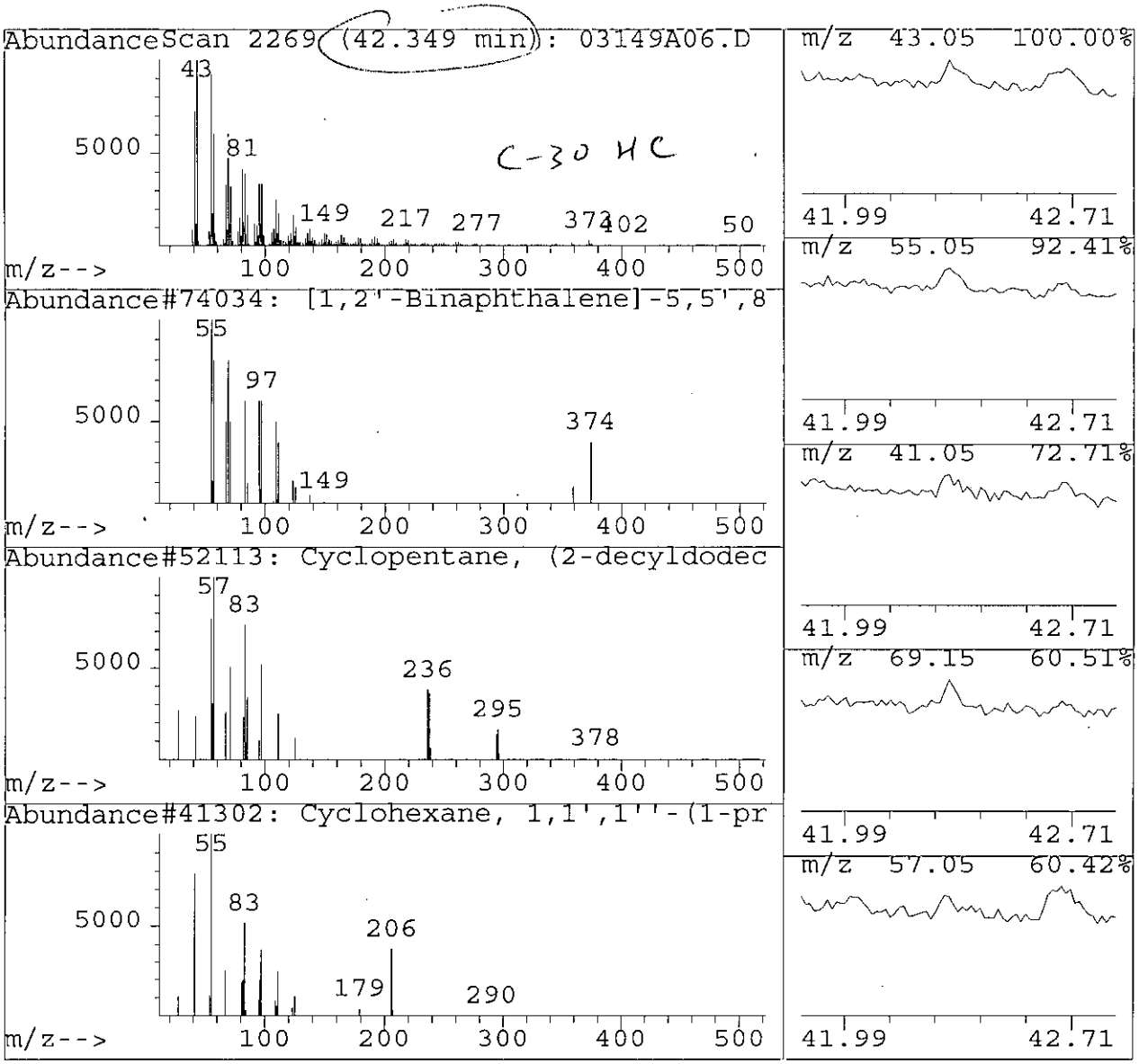
Method : C:\HPCHEM\1\METHODS\03149A01.M
Title : semivolatiles
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	R.T.
31.18	18288.69 ug/ml	170732	PHENANTHRENE-D10	31.47

Hit# of 20	Tentative ID	Ref#	CAS#	Qual
1	Hexatriacontane	74636	000630-06-8	81
2	Dotriacontane	74490	000544-85-4	74
3	Nonacosane	54526	000630-03-5	72
4	Eicosane	72326	000112-95-8	68
5	Octacosane	74211	000630-02-4	64



Library Search Report

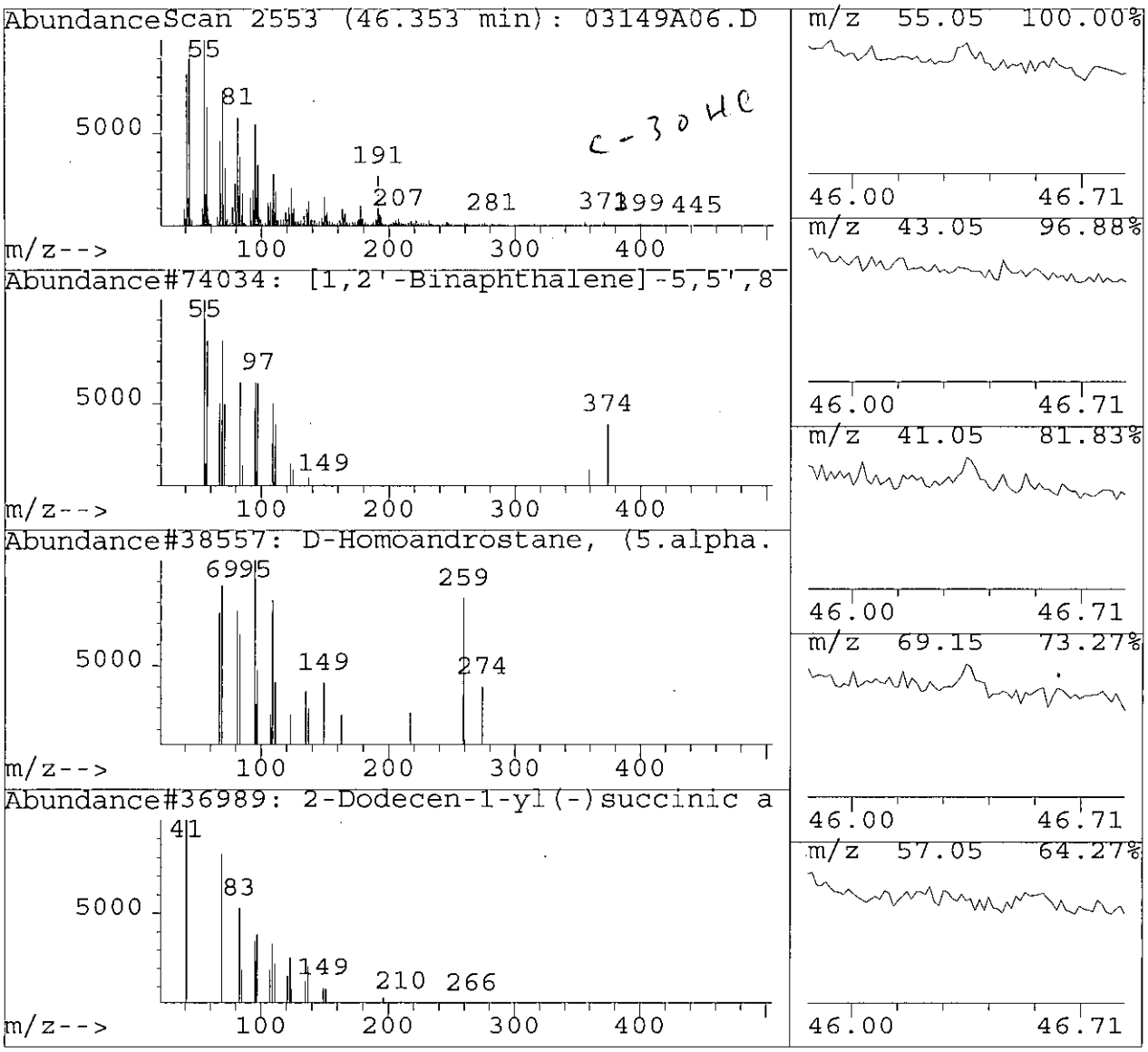


Peak Number: at 42.35 min Area: 1 Area % 1.00

Hit# of 20 From C:\DATABASE\NBS75K.L	Ref#	CAS#	Qual
1 [1,2'-Binaphthalene]-5,5',8,8'-tetr	74034	020175-84-2	99
2 Cyclopentane, (2-decyldodecyl)-	52113	006703-79-3	86
3 Cyclohexane, 1,1',1''-(1-propanyl-2	41302	055682-89-8	64
4 Hexadecanoic acid, 2-hydroxy-, meth	40534	016742-51-1	60
5 Cyclohexane, (2-decyldodecyl)-	53315	006704-00-3	55
6 1,1':3',1''-Tercyclopentane, 2'-dod	51805	055282-68-3	50
7 Heptadecane, 9-(2-cyclohexylethyl)-	49337	025446-35-9	49

$$\text{Amt.} = \frac{\text{AREA of Compd} \times \text{Amt I.S}}{\text{AREA I.S} \times RF} \times DF = \frac{310195 \times 40\ \text{ng/ml}}{342034 \times 1} \times 915.96 = 33227.83\ \text{ng/kg}$$

Library Search Report



Peak Number: at 46.35 min Area: 1 Area % 1.00

Hit# of 20 From C:\DATABASE\NBS75K.L	Ref#	CAS#	Qual
1 [1,2'-Binaphthalene]-5,5',8,8'-tetr	74034	020175-84-2	96
2 D-Homoandrostane, (5.alpha.,13.alph	38557	054482-31-4	91
3 2-Dodecen-1-yl(-)succinic anhydride	36989	019780-11-1	64
4 2,6,10-Dodecatrien-1-ol, 3,7,11-tri	71837	004128-17-0	60
5 1H-Indene, 2-butyl-5-hexyloctahydro	71845	055044-33-2	55
6 2,6,10-Dodecatrien-1-ol, 3,7,11-tri	70628	004602-84-0	42
7 5.beta.-Cholest-23-ene, (Z)-	51424	014949-12-3	42

$$Amt = \frac{\text{AREA of comps} \times \text{Amt IS}}{\text{AREA IS} \times RF} \times DF = \frac{172014 \times 40 ng/ml}{342034 \times 1} \times 915.96 = 18425.99 ng/Kg$$

Library Search Compound Report

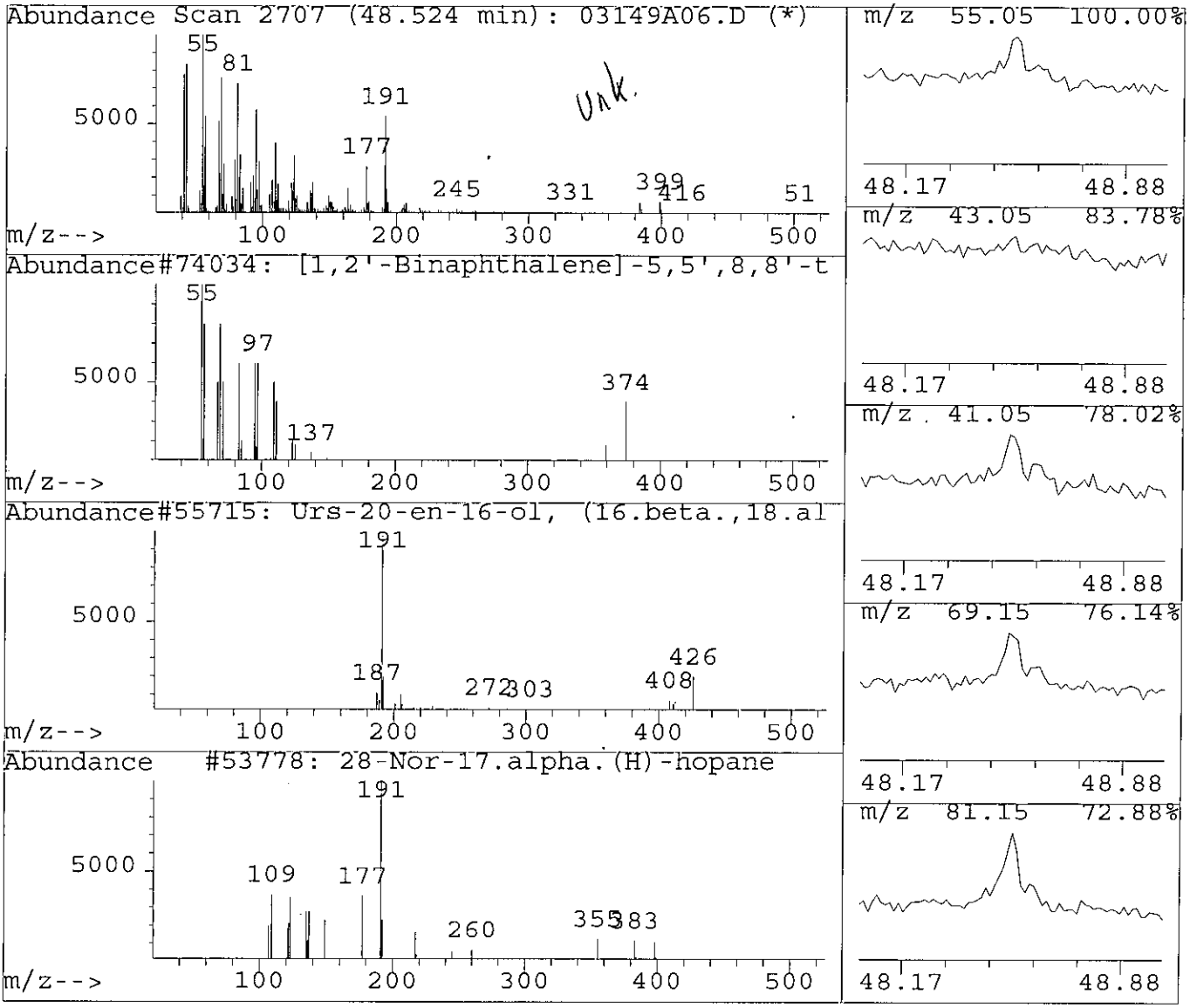
Data File : C:\HPCHEM\1\DATA\03149A06.D
Acq On : 14 Mar 99 3:25 pm
Sample : 67832 1:2
Misc : American Glue & Resin P#99187

Vial: 6
Operator: ESAT
Inst : 5988
Multiplr: 915.96

Method : C:\HPCHEM\1\METHODS\03149A01.M
Title : semivolatiles
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	R.T.
48.52	36638.44 ug/ml	125089	PERYLENE-D12	45.96

Hit# of 20	Tentative ID	Ref#	CAS#	Qual
1	[1,2'-Binaphthalene]-5,5',8,8'-tetr	74034	020175-84-2	64
2	Urs-20-en-16-ol, (16.beta.,18.alpha	55715	066394-74-9	50
3	28-Nor-17.alpha.(H)-hopane	53778	053584-60-4	43
4	Anthracene, 9-cyclohexyltetradecahy	72120	055255-70-4	43
5	Anthracene, 9-dodecyltetradecahydro	73846	055401-75-7	38



Library Search Compound Report

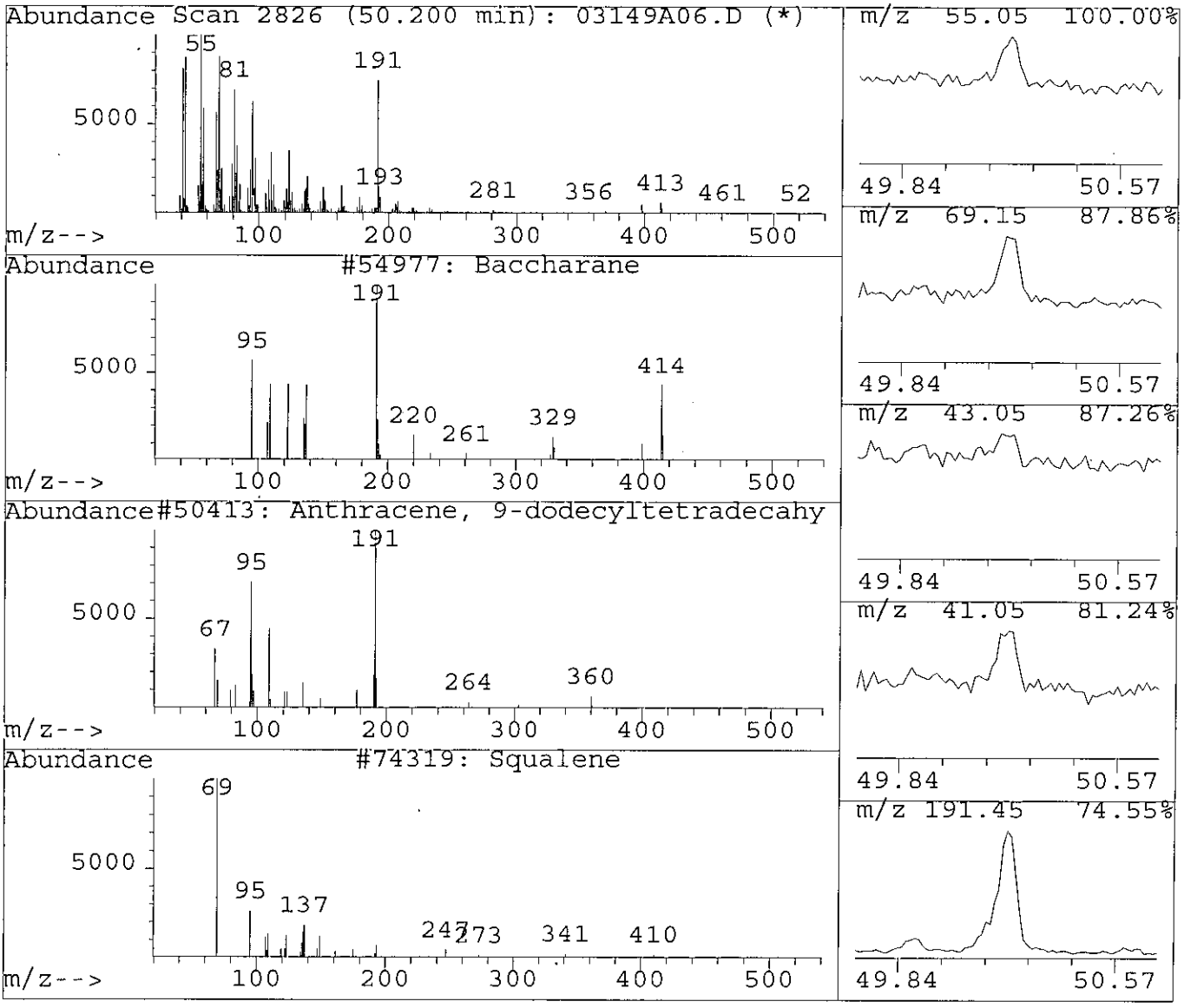
Data File : C:\HPCHEM\1\DATA\03149A06.D
Acq On : 14 Mar 99 3:25 pm
Sample : 67832 1:2
Misc : American Glue & Resin P#99187

Vial: 6
Operator: ESAT
Inst : 5988
Multiplr: 915.96

Method : C:\HPCHEM\1\METHODS\03149A01.M
Title : semivolatiles
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	R.T.
50.20	87913.63 ug/ml	300150	PERYLENE-D12	45.96

Hit# of 20	Tentative ID	Ref#	CAS#	Qual
1	Baccharane	54977	036441-74-4	53
2	Anthracene, 9-dodecyltetradecahydro	50413	055401-75-7	43
3	Squalene	74319	007683-64-9	38
4	Neopentylidenecyclohexane	10437	039546-80-0	35
5	1H-Indene, 1-(1,5-dimethyl-2-hexeny	33609	054411-95-9	25



1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

S67833

Lab EPA REG 1 Contract:

Proj 99187 Site: AMERICAN Location: Group:

Matrix: (soil/wat SOIL Lab Sample ID: S67833

Wt Sample wt/vol: 5.1 (g/mL) G Lab File ID: 03149A04.D

Day: 4.2g Date Collected: 3/2/99

Level: (low/m MED Date Received: 3/3/99

% 17 decanted: (Y/N): Y Date Extracted: 3/9/99

Concentrated Extract Volume 1000 (uL) Date Analyzed: 3/14/99

Injection Volume 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y N pH: 0 Report Factor: 0.71

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
62-53-3	ANILINE	2400	U
108-95-2	PHENOL	2400	U
111-44-4	BIS(2-CHLOROETHYL) ETHER	2400	U
95-57-8	2-CHLOROPHENOL	2400	U
541-73-1	1,3-DICHLOROBENZENE	2400	U
106-46-7	1,4-DICHLOROBENZENE	2400	U
100-51-6	BENZYL ALCOHOL	2400	U
95-50-1	1,2-DICHLOROBENZENE	2400	U
95-48-7	2-METHYLPHENOL	2400	U
108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	2400	U
106-44-5	4-METHYLPHENOL	2400	U
621-64-7	N-NITROSODIPROPYLAMINE	2400	U
67-72-1	HEXACHLOROETHANE	2400	U
98-95-3	NITROBENZENE	2400	U
78-59-1	ISOPHORONE	2400	U
88-75-5	2-NITROPHENOL	2400	U
105-67-9	2,4-DIMETHYLPHENOL	2400	U
111-91-1	BIS(2-CHLOROETHOXY)METHANE	2400	U
65-85-0	BENZOIC ACID	2400	U
120-83-2	2,4-DICHLOROPHENOL	2400	U
120-82-1	1,2,4-TRICHLOROBENZENE	2400	U
91-20-3	NAPHTHALENE	420	J
106-47-8	4-CHLOROANILINE	2400	U
87-68-3	HEXACHLOROBUTADIENE	2400	U
59-50-7	4-CHLORO-3-METHYLPHENOL	2400	U
91-57-6	2-METHYLNAPHTHALENE	2400	U
77-47-4	HEXACHLOROCYCLOPENTADIENE	2400	U
88-06-2	2,4,6-TRICHLOROPHENOL	2400	U
95-95-4	2,4,5-TRICHLOROPHENOL	2400	U
91-58-7	2-CHLORONAPHTHALENE	2400	U
88-74-4	2-NITROANILINE	2400	U
131-11-3	DIMETHYLPHTHALATE	2400	U
208-96-8	ACENAPHTHYLENE	2400	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

S67833

Lab EPA REG 1 Contract:

Proj 99187 Site: AMERICAN Location: Group:

Matrix: (soil/wat SOIL Lab Sample ID: S67833

Sample wt/vol: 5.1 (g/mL) G Lab File ID: 03149A04.D

Level: (low/m MED Date Received: 3/3/99

% 17 decanted: (Y/N): Y Date Extracted: 3/9/99

Concentrated Extract Volume 1000 (uL) Date Analyzed: 3/14/99

Injection Volume 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y N pH: 0

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
606-20-2	2,6-DINITROTOLUENE	2400	U
99-09-2	3-NITROANILINE	2400	U
83-32-9	ACENAPHTHENE	2400	U
51-28-5	2,4-DINITROPHENOL	2400	U
132-64-9	DIBENZOFURAN	2400	U
100-02-7	4-NITROPHENOL	2400	U
121-14-2	2,4-DINITROTOLUENE	2400	U
84-66-2	DIETHYLPHTHALATE	2400	U
86-73-7	FLUORENE	2400	U
7005-72-3	4-CHLOROPHENYL-PHENYLETHER	2400	U
100-01-6	4-NITROANILINE	2400	U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	2400	U
86-30-6	N-NITROSODIPHENYLAMINE	2400	U
103-33-3	DIPHENYLHYDRAZINE(AZOBENZENE)	2400	U
101-55-3	4-BROMOPHENYL-PHENYLETHER	2400	U
319-84-6	BHC ISOMER (ALPHA)	2400	U
118-74-1	HEXACHLOROBENZENE	2400	U
319-85-7	BHC ISOMER (BETA)	2400	U
87-86-5	PENTACHLOROPHENOL	2400	U
58-89-9	LINDANE-BHC ISOMER (GAMA)	2400	U
85-01-8	PHENANTHRENE	2400	U
120-12-7	ANTHRACENE	2400	U
319-86-8	BHC ISOMER (DELTA)	2400	U
86-74-8	CARBAZOLE	2400	U
76-44-8	HEPTACHLOR	2400	U
84-74-2	DIBUTYLPHTHALATE	2400	U
309-00-2	ALDRIN	2400	U
1024-57-3	HEPTACHLOR EPOXIDE	2400	U
206-44-0	FLUORANTHENE	2400	U
129-00-0	PYRENE	2400	U
959-98-8	ENDOSULFAN I	2400	U
72-55-9	P,P-DDE	2400	U
60-57-1	DIELDRIN	2400	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

S67833

Lab EPA REG 1 Contract:

Proj 99187 Site: AMERICAN Location: Group:

Matrix: (soil/wat SOIL Lab Sample ID: S67833

Sample wt/vol: 5.1 (g/mL) G Lab File ID: 03149A04.D

Level: (low/m MED Date Received: 3/3/99

% 17 decanted: (Y/N): Y Date Extracted: 3/9/99

Concentrated Extract Volume 1000 (uL) Date Analyzed: 3/14/99

Injection Volume 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y N pH: 0

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
72-20-8	ENDRIN	2400	U
33213-65-9	ENDOSULFAN II	2400	U
72-54-8	P,P-DDD	2400	U
85-68-7	BUTYLBENZYLPHTHALATE	300	L J
50-29-3	P,P-DDT	2400	U
1031-07-8	ENDOSULFAN SULFATE	2400	U
72-43-5	METHOXYCHLOR	2400	U
53494-70-5	ENDRIN KETONE	2400	U
91-94-1	3,3-DICHCHLOROBENZIDINE	2400	U
56-55-3	BENZ(A)ANTHRACENE	2400	U
218-01-9	CHRYSENE	2400	U
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	260	L J
117-84-0	DI-N-OCTYLPHTHALATE	2400	U
205-99-2	BENZO(B)FLUORANTHENE	2400	U
207-08-9	BENZO(K)FLUORANTHENE	2400	U
50-32-8	BENZO(A)PYRENE	2400	U
193-39-5	INDENO(1,2,3-CD)PYRENE	2400	U
53-70-3	DIBENZO(A,H)ANTHRACENE	2400	U
191-24-2	BENZO(GHI)PERYLENE	2400	U

SAMPLE NUMBER 67833 QUANTITATION SHEET

Tentatively Identified Compounds

SCAN NO.	COMPOUND	PROB. MATCH	CONC (ug/ml)	EST. C. (ug/kg)	CAS NO.	CHEM. FORM.
77	~~4-hydroxy-4-methyl-2-pentanone~~	50	—	~500,000	123-42-2	
2027	bis(2-ethylhexyl) Hexanedioic acid	68	—	~10,000 J	10323-1	
2352	Unknown hydrocarbon - C28	—	—	~1,000 J	—	

~ = Approximate
< = Less than
> = Greater than
NA = Not available due to dilution or interference
E = Estimated value that exceeds the calibration range
L = Estimated value that is below the calibration range
B = Analyte associated with the lab, trip blank. Reported values are 5X higher than blank. Phthalates must be 10X.

Quantitation Report

Data File : C:\HPCHEM\1\DATA\03149A04.D
Acq On : 14 Mar 99 1:09 pm
Sample : 67833
Misc : American Glue & Resin P#99187
Quant Time: Mar 15 8:37 1999

Vial: 4
Operator: ESAT
Inst : 5988
Multiplr: 236.35

Method : C:\HPCHEM\1\METHODS\03149A01.M
Title : semivolatiles
Last Update : Sun Mar 14 11:59:08 1999
Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DICHLOROBENZENE-D4	16.27	150	52115	40.00	ug/ml	0.00
19) NAPHTHALENE-D8	20.42	136	120188	40.00	ug/ml	0.00
34) ACENAPHTHENE-D10	26.37	164	57666	40.00	ug/ml	-0.01
54) PHENANTHRENE-D10	31.47	188	102854	40.00	ug/ml	0.00
74) CHRYSENE-D12	40.48	240	100261	40.00	ug/ml	-0.03
92) PERYLENE-D12	45.83	264	88344	40.00	ug/ml	0.00
System Monitoring Compounds						%Recovery
2) FLUOROPHENOL	12.44	112	178426	168.21	ug/ml	84.10%
4) PHENOL-D5	15.28	99	264708	181.37	ug/ml	90.69%
5) 2-CHLOROPHENOL-D4	15.63	132	179323	170.76	ug/ml	85.38%
12) 1,2-DICHLOROBENZENE-D4	16.76	150	83969	69.84	ug/ml	69.84%
20) NITROBENZENE-D5	18.11	82	139199	75.26	ug/ml	75.26%
38) FLUOROBIPHENYL	24.09	172	152069	80.48	ug/ml	80.48%
58) 2,4,6-TRIBROMOPHENOL	29.10	330	61497	146.06	ug/ml	73.03%
78) P-TERPHENYL-D14	36.94	244	193499	78.51	ug/ml	78.51%
Target Compounds						Qvalue
29) NAPHTHALENE	20.47	128	5668	419.95	ug/ml	96
83) BUTYLBENZYLPHTHALATE	38.63	149	2146	301.86	ug/ml#	78
91) BIS(2-ETHYLHEXYL)PHTHALATE	40.55	149	2645	265.53	ug/ml	94

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

Quantitation Report

Data File : c:\hpchem\1\data\03149a04.d
Acq On : 14 Mar 99 1:09 pm
Sample : 67833
Misc : American Glue & Resin P#99187
Quant Time: Mar 15 7:03 1999

Vial: 4
Operator: ESAT
Inst : 5988
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\03149A01.M
Title : semivolatiles
Last Update : Sun Mar 14 11:59:08 1999
Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-DICHLOROBENZENE-D4	16.27	150	52115	40.00 ug/ml	0.00
19) NAPHTHALENE-D8	20.42	136	120188	40.00 ug/ml	0.00
34) ACENAPHTHENE-D10	26.37	164	57666	40.00 ug/ml	-0.01
54) PHENANTHRENE-D10	31.47	188	102854	40.00 ug/ml	0.00
74) CHRYSENE-D12	40.48	240	100261	40.00 ug/ml	-0.03
92) PERYLENE-D12	45.83	264	88344	40.00 ug/ml	0.00

System Monitoring Compounds					%Recovery
2) FLUOROPHENOL	12.44	112	178426	168.21 ug/ml	84.10%
4) PHENOL-D5	15.28	99	264708	181.37 ug/ml	90.69%
5) 2-CHLOROPHENOL-D4	15.63	132	179323	170.76 ug/ml	85.38%
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38) FLUOROBIPHENYL	24.09	172	152069	80.48 ug/ml	80.48%
58) 2,4,6-TRIBROMOPHENOL	29.10	330	61497	146.06 ug/ml	73.03%
78) P-TERPHENYL-D14	36.94	244	193499	78.51 ug/ml	78.51%

Target Compounds					Qvalue
6) PHENOL	15.31	94	2115	~~1.34 ug~~/ml#	1
11) BENZYL ALCOHOL	16.76	79	2160	~~2.17 ug/m~~l#	17
29) NAPHTHALENE	20.47	128	5668	1.78 ug/ml	96
56) N-NITROSODIPHENYLAMINE	29.10	169	1604	1~~.37 ug/ml#~~	45
83) BUTYLBENZYLPHTHALATE	38.63	149	2146	1.28 ug/ml#	78
91) BIS(2-ETHYLHEXYL)PHTHALATE	40.55	149	2645	1.12 ug/ml	94

wet wt = 5.110
Dry wt = 4.231
% moist = 17.2
1ml Fr
NO DIL
MULT = 236.3507445

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

Quantitation Report

Data File : c:\hpchem\1\data\03149a04.d
Acq On : 14 Mar 99 1:09 pm
Sample : 67833
Misc : American Glue & Resin P#99187
Quant Time: Mar 15 7:03 1999

Vial: 4
Operator: ESAT
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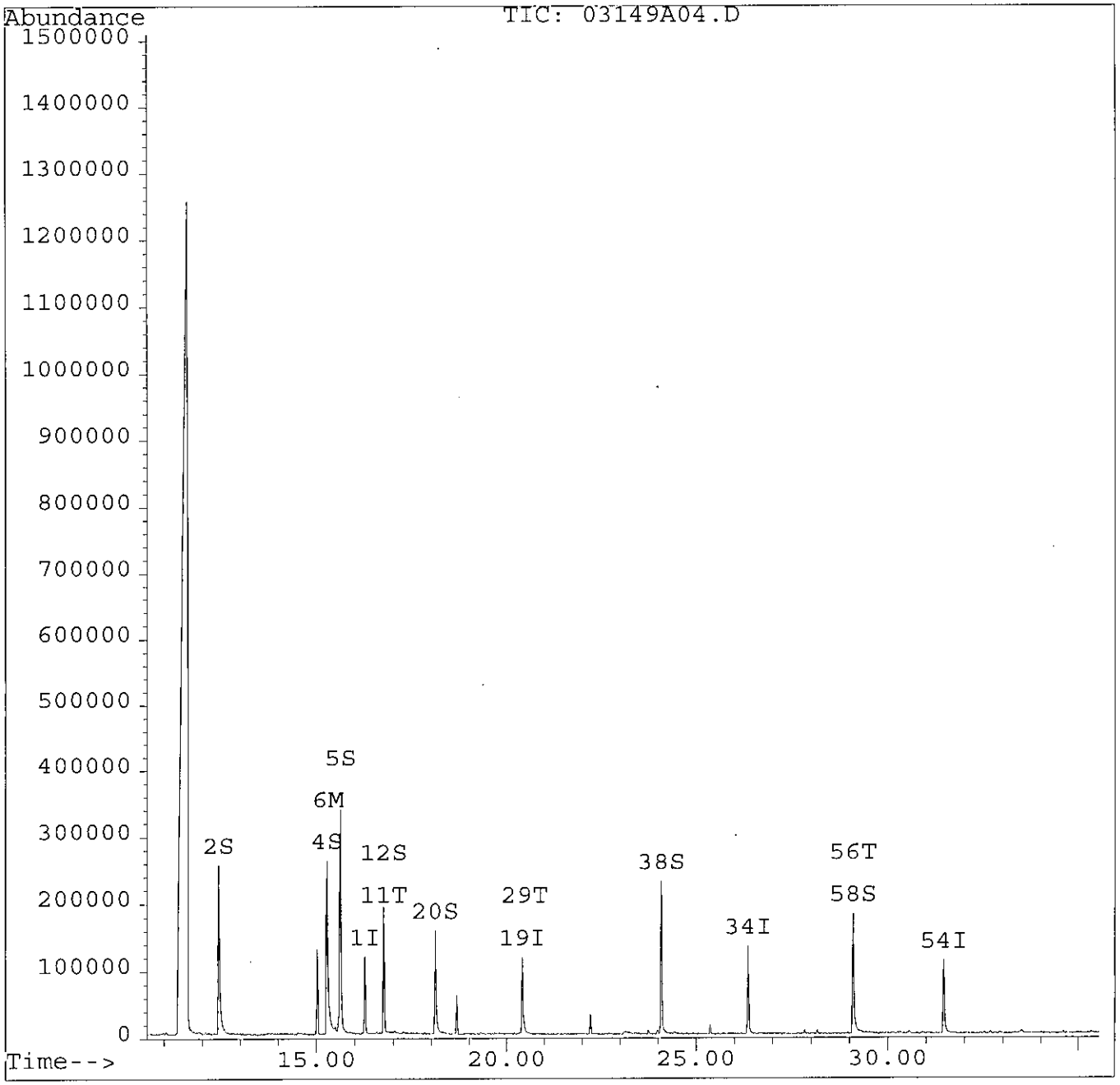
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\03149A01.M
Title : semivolatiles
Last Update : Sun Mar 14 11:59:08 1999
Response via : Single Level Calibration

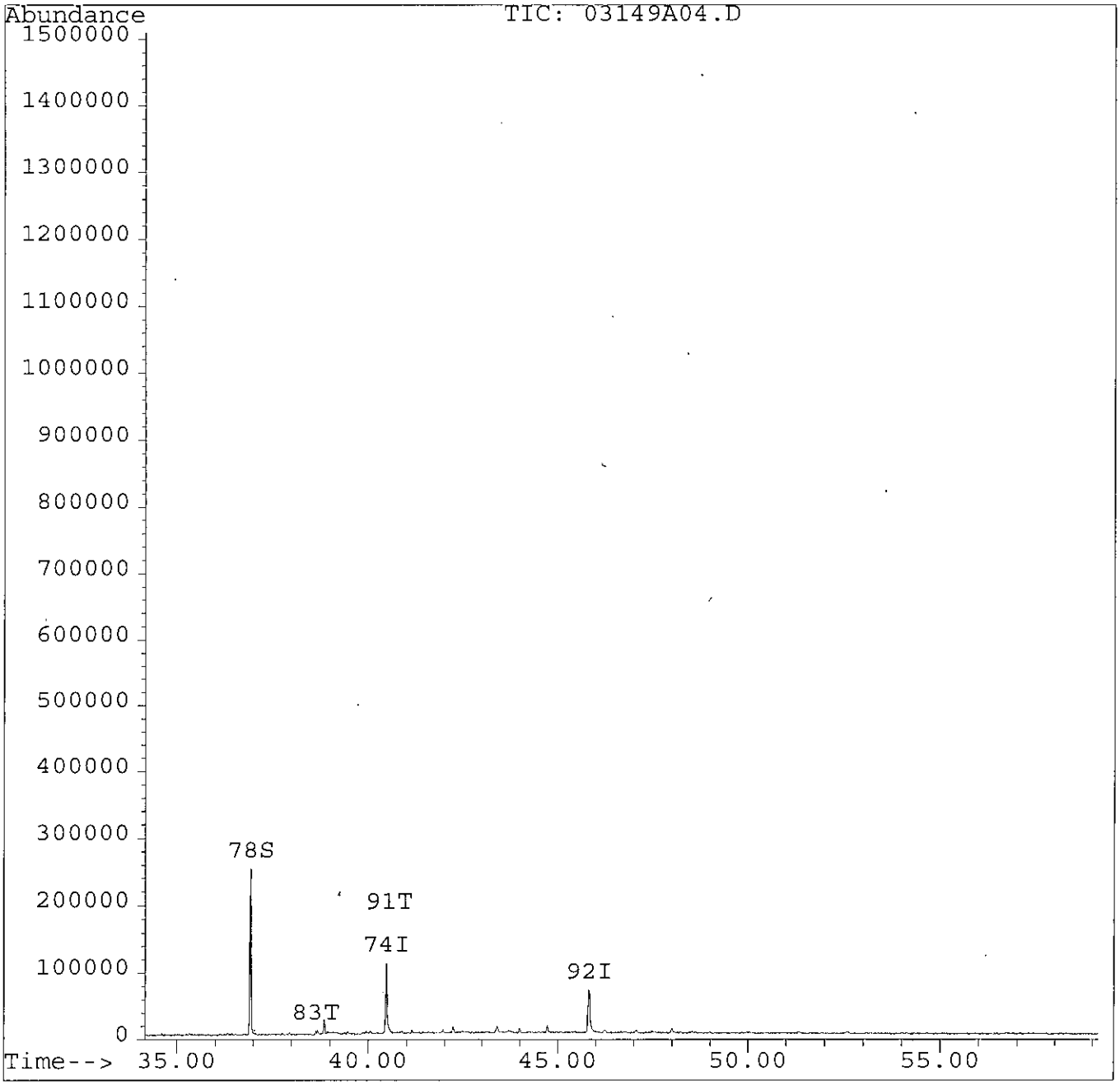


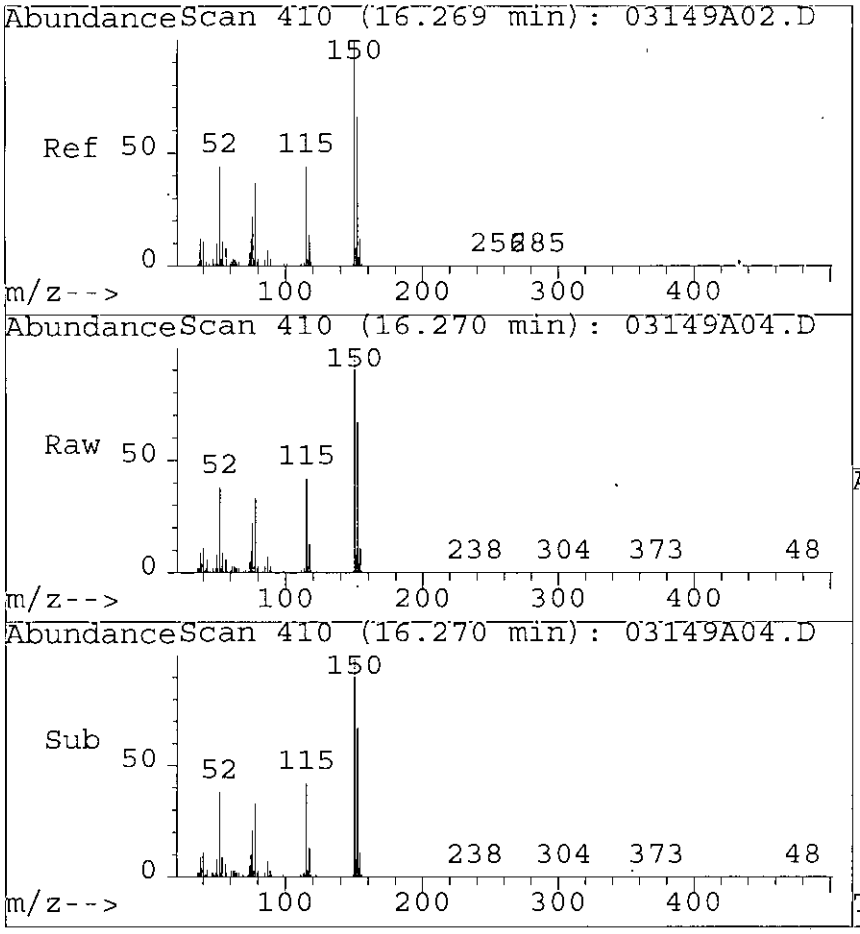
Quantitation Report

Data File : c:\hpchem\1\data\03149a04.d
Acq On : 14 Mar 99 1:09 pm
Sample : 67833
Misc : American Glue & Resin P#99187
Quant Time: Mar 15 7:03 1999

Vial: 4
Operator: ESAT
Inst : 5988
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\03149A01.M
Title : semivolatiles
Last Update : Sun Mar 14 11:59:08 1999
Response via : Single Level Calibration

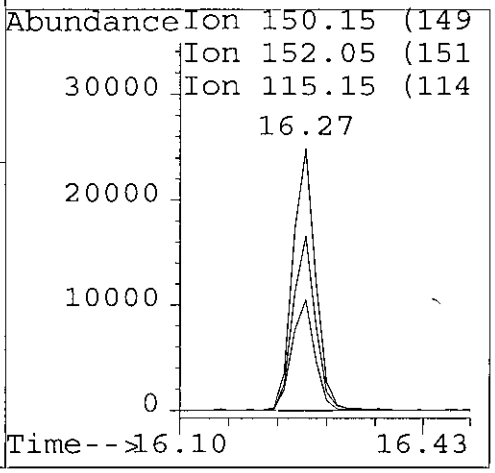


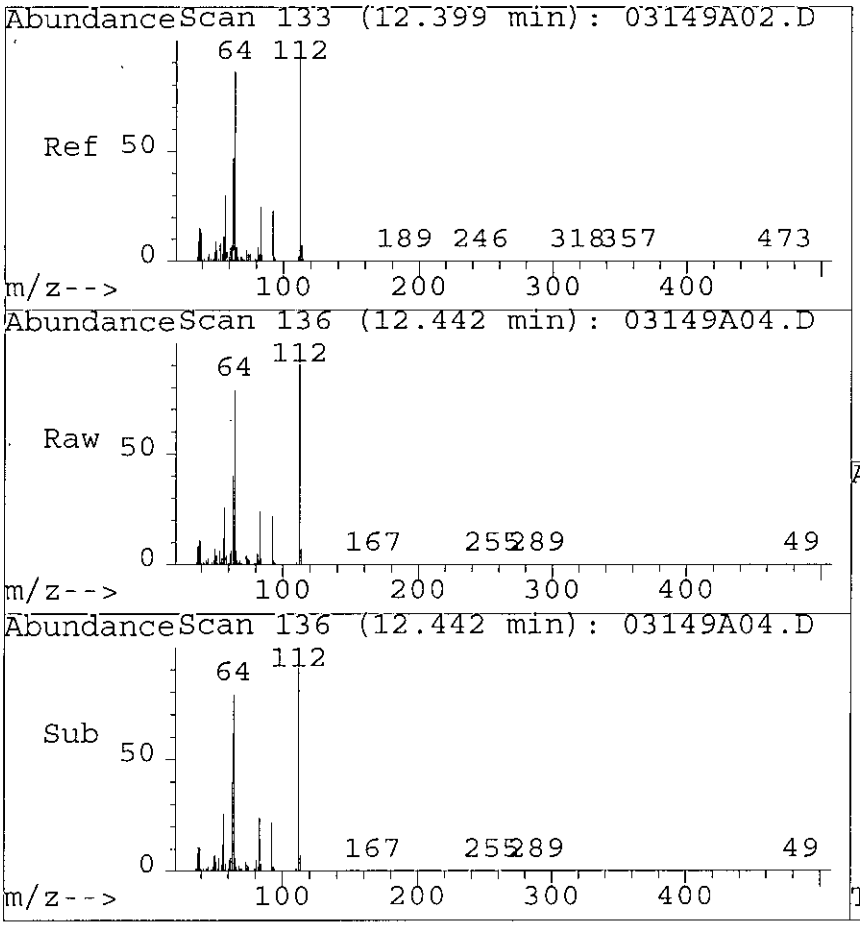


#1
1,4-DICHLOROBENZENE-D4
Concen: 40.00 ug/ml
RT: 16.27 min Scan# 410
Delta R.T. 0.00 min
Lab File: 03149a04.d
Acq: 14 Mar 99 1:09 pm

Tgt Ion:150.15 Resp: 52115

Ion	Ratio	Lower	Upper
150	100		
152	66.7	51.1	76.6
115	42.1	34.7	52.0
0	0.0	0.0	0.0

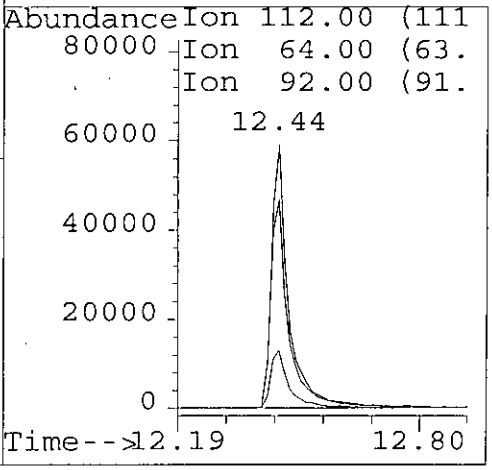


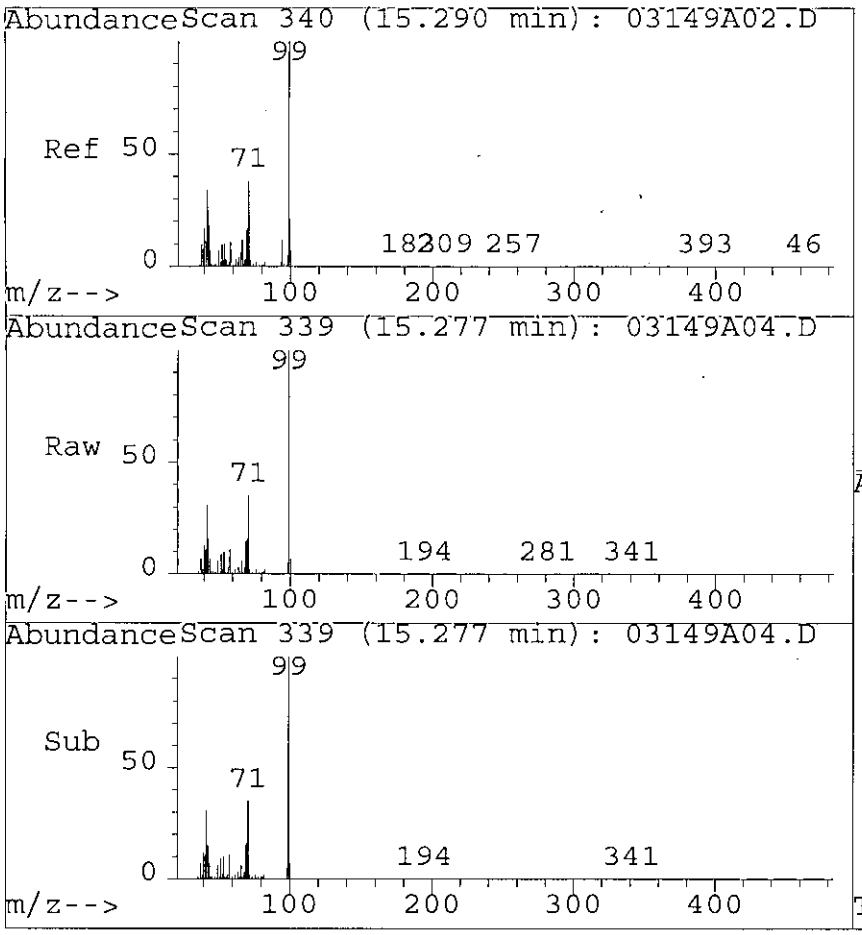


#2
FLUOROPHENOL
Concen: 168.21 ug/ml
RT: 12.44 min Scan# 136
Delta R.T. 0.04 min
Lab File: 03149a04.d
Acq: 14 Mar 99 1:09 pm

Tgt Ion:112 Resp: 178426

Ion	Ratio	Lower	Upper
112	100		
64	79.3	55.4	83.1
92	22.2	24.7	37.0#
0	0.0	0.0	0.0

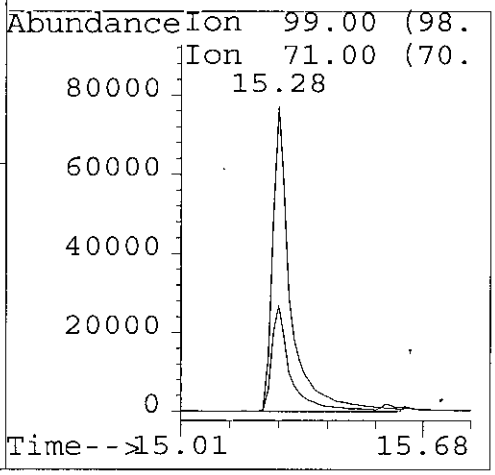


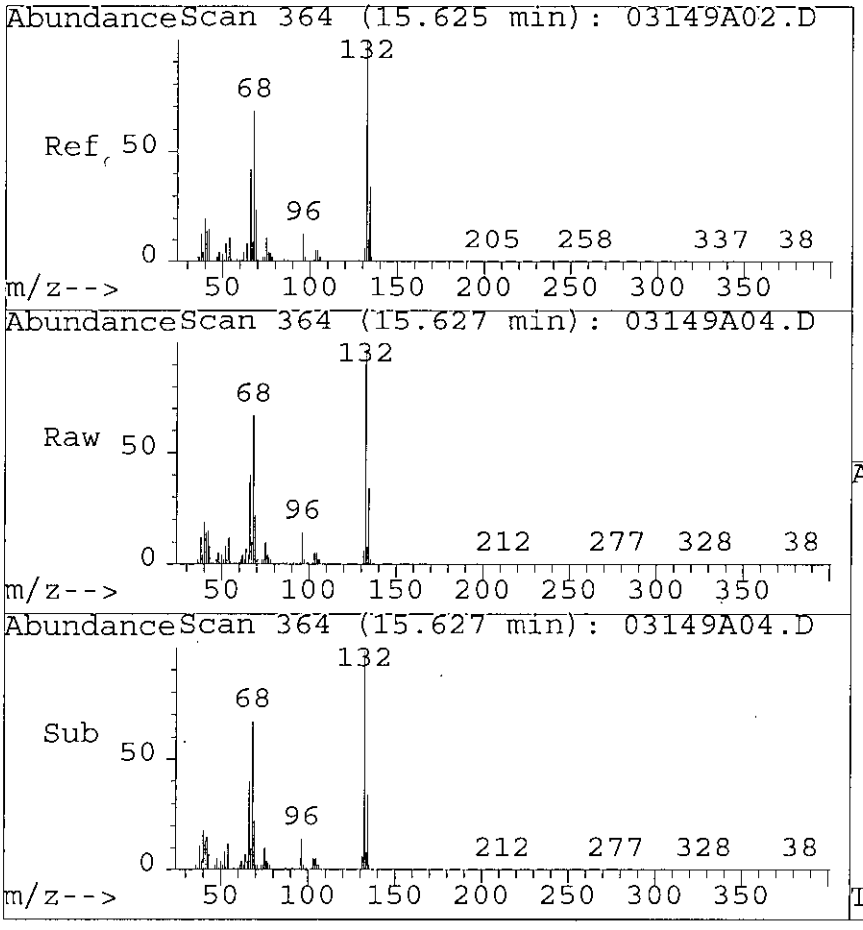


#4
PHENOL-D5
Concen: 181.37 ug/ml
RT: 15.28 min Scan# 339
Delta R.T. -0.01 min
Lab File: 03149a04.d
Acq: 14 Mar 99 1:09 pm

Tgt Ion:99 Resp: 264708

Ion	Ratio	Lower	Upper
99	100		
71	34.9	27.7	41.4
0	0.0	0.0	0.0
0	0.0	0.0	0.0

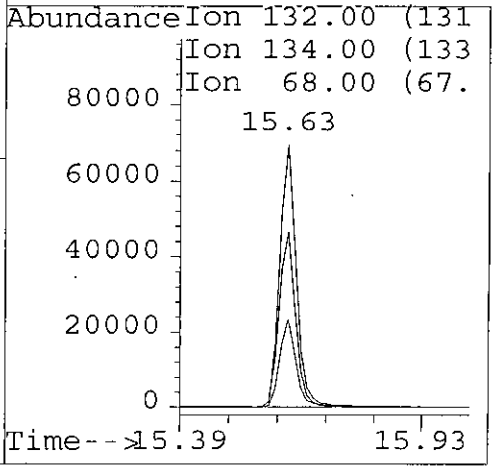


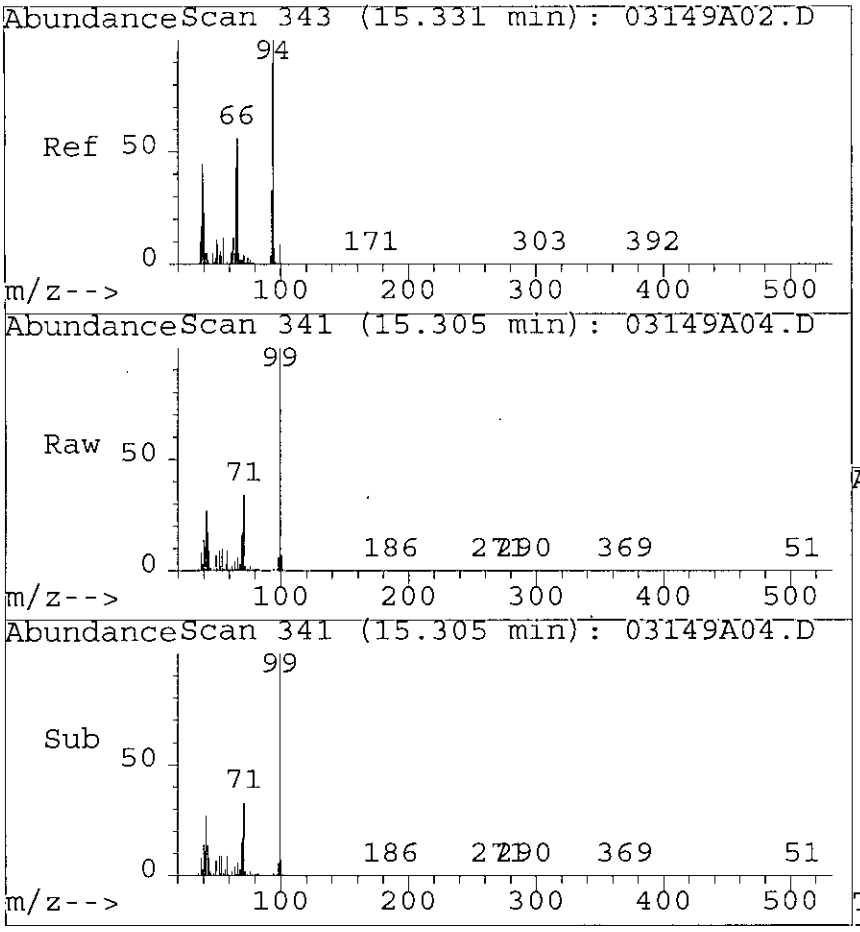


#5
2-CHLOROPHENOL-D4
Concen: 170.76 ug/ml
RT: 15.63 min Scan# 364
Delta R.T. 0.00 min
Lab File: 03149a04.d
Acq: 14 Mar 99 1:09 pm

Tgt Ion:132 Resp: 179323

Ion	Ratio	Lower	Upper
132	100		
134	33.8	24.0	35.9
68	67.2	40.0	59.9#
0	0.0	0.0	0.0

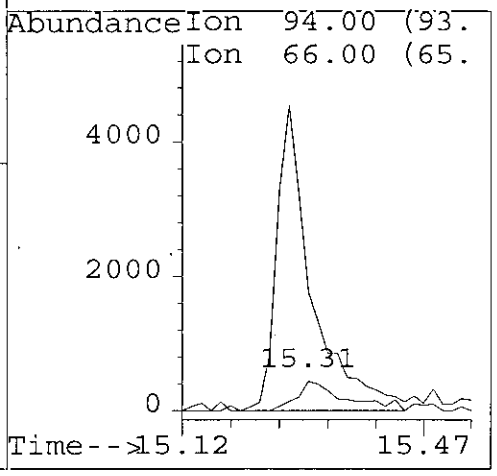


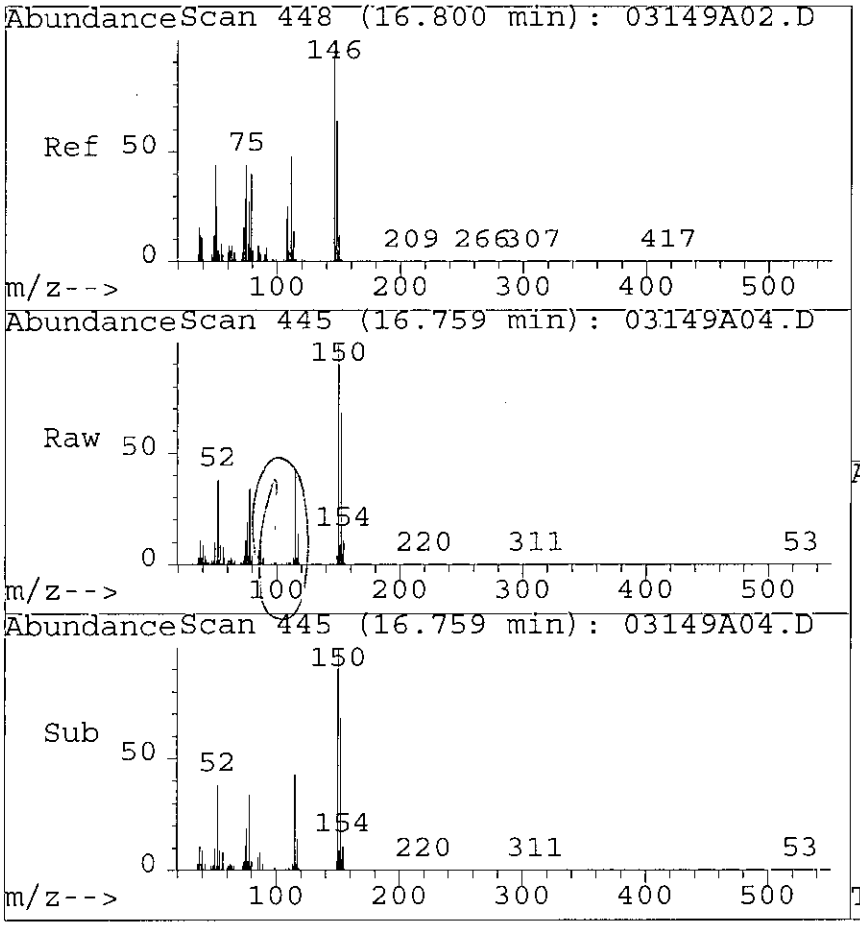


#6
PHENOL
Concen: 1.34 ug/ml
RT: 15.31 min Scan# 341
Delta R.T. -0.03 min
Lab File: 03149a04.d
Acq: 14 Mar 99 1:09 pm

Tgt Ion:94 Resp: 2115

Ion	Ratio	Lower	Upper
94	100		
66	402.1	35.1	52.6#
0	0.0	0.0	0.0
0	0.0	0.0	0.0

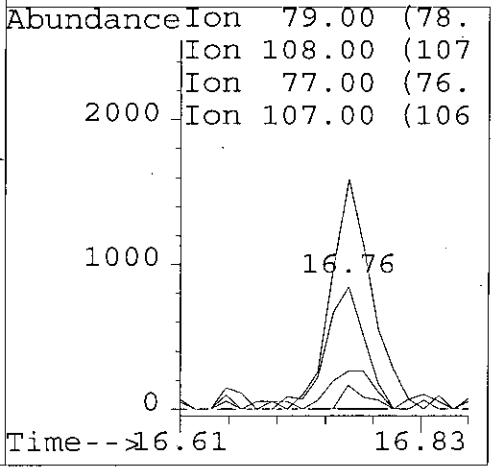


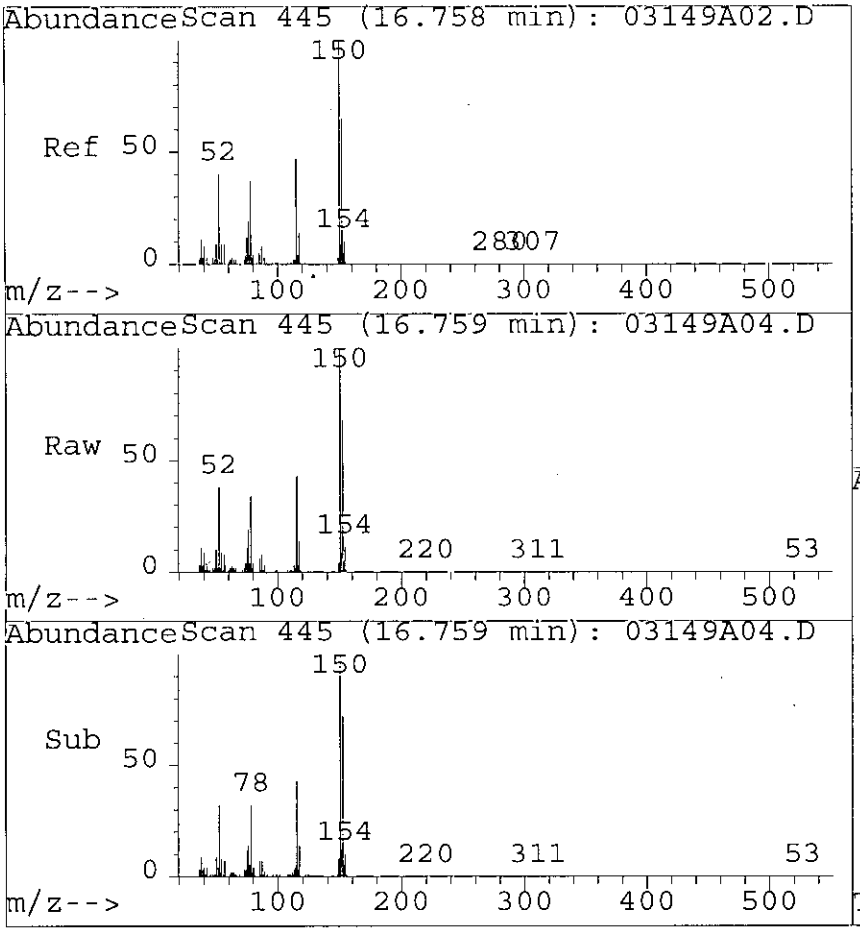


#11
BENZYL ALCOHOL
Concen: 2.17 ug/ml
RT: 16.76 min Scan# 445
Delta R.T. -0.04 min
Lab File: 03149a04.d
Acq: 14 Mar 99 1:09 pm

Tgt Ion:79 Resp: 2160

Ion	Ratio	Lower	Upper
79	100		
108	31.0	49.9	74.8#
77	188.7	53.8	80.7#
107	19.9	39.1	58.6#

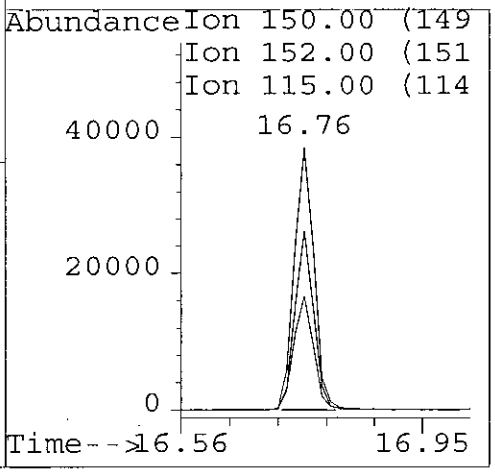


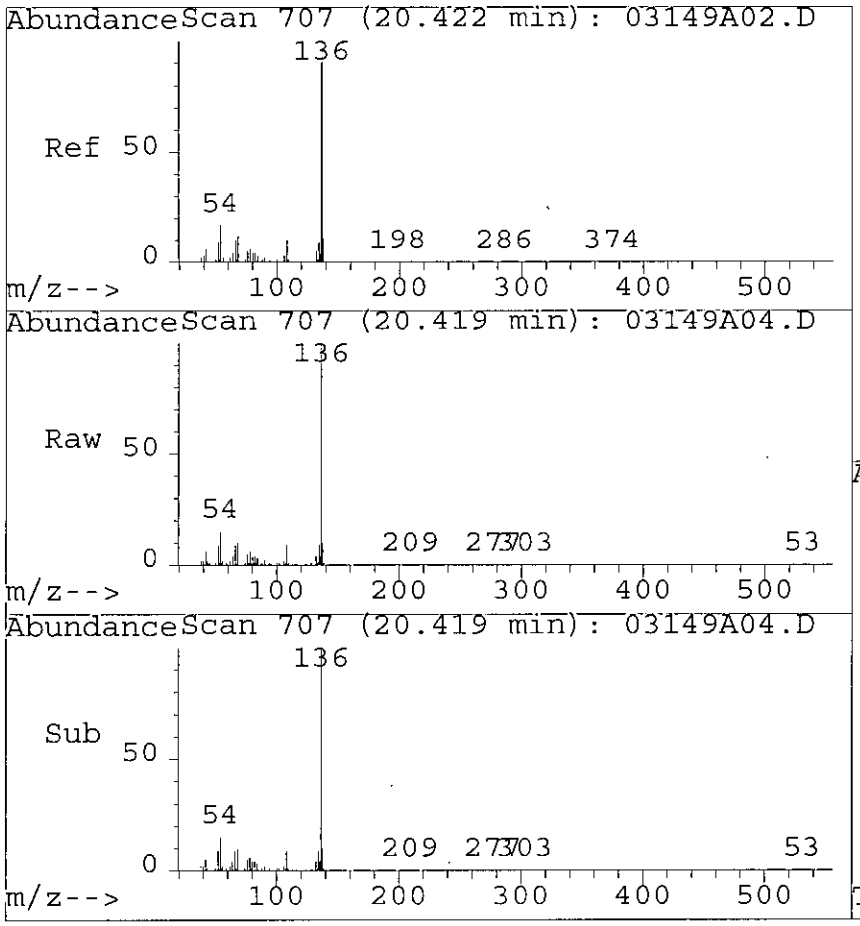


#12
1,2-DICHLOROBENZENE-D4
Concen: 69.84 ug/ml
RT: 16.76 min Scan# 445
Delta R.T. 0.00 min
Lab File: 03149a04.d
Acq: 14 Mar 99 1:09 pm

Tgt Ion:150 Resp: 83969

Ion	Ratio	Lower	Upper
150	100		
152	68.4	52.2	78.3
115	43.5	37.8	56.7
0	0.0	0.0	0.0

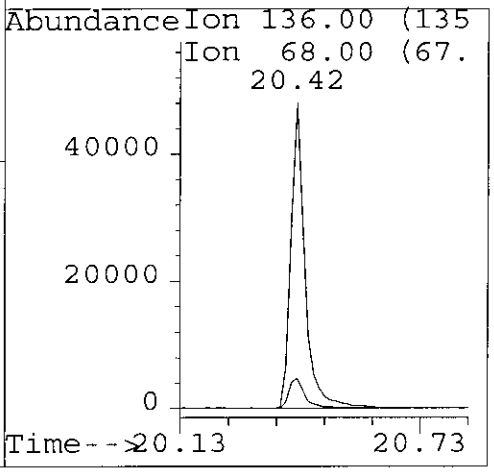


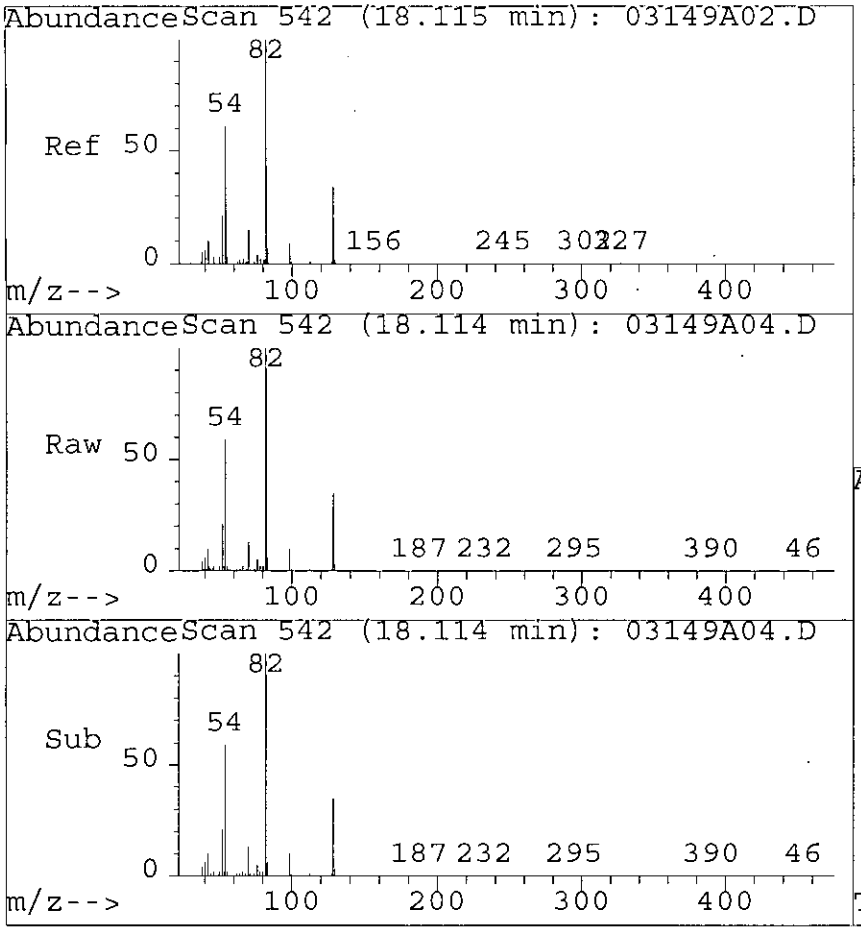


#19
NAPHTHALENE-D8
Concen: 40.00 ug/ml
RT: 20.42 min Scan# 707
Delta R.T. -0.00 min
Lab File: 03149a04.d
Acq: 14 Mar 99 1:09 pm

Tgt Ion:136 Resp: 120188

Ion	Ratio	Lower	Upper
136	100		
68	10.1	6.0	8.9#
0	0.0	0.0	0.0
0	0.0	0.0	0.0

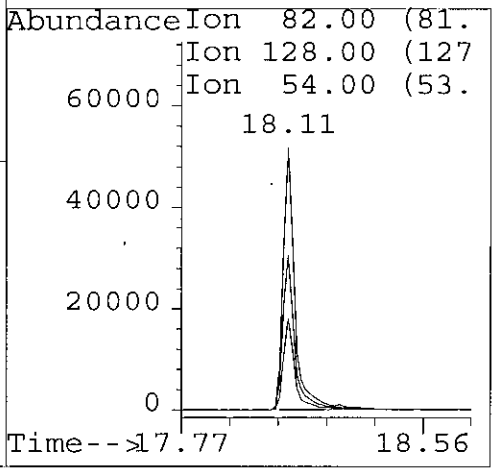


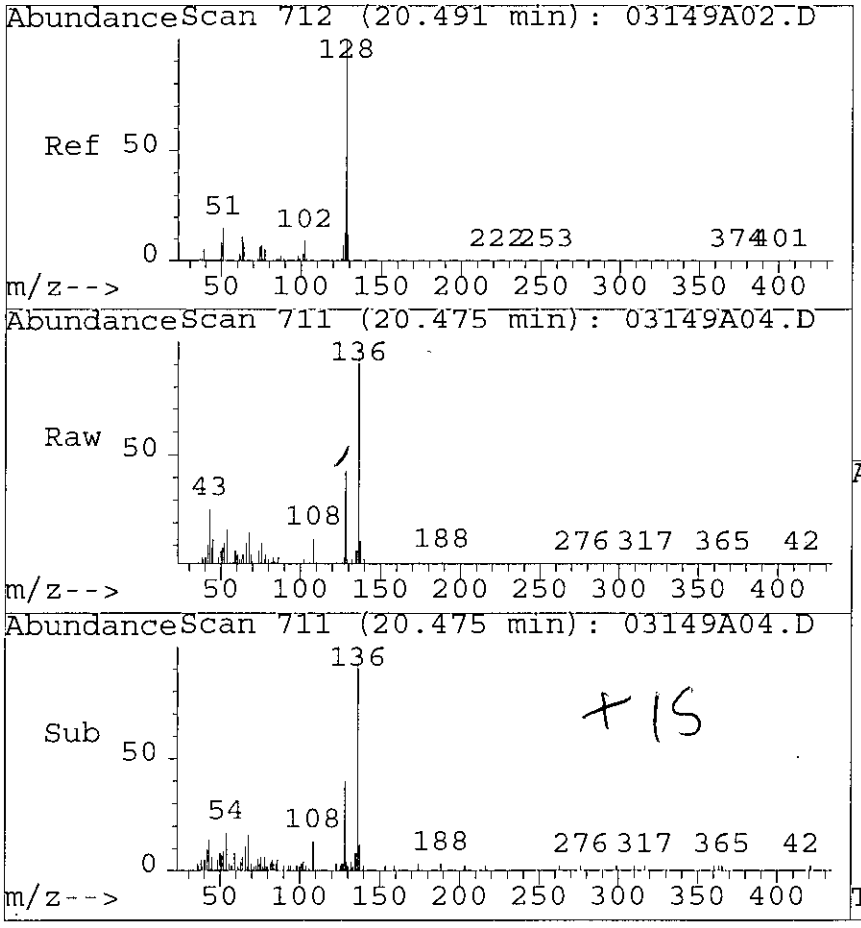


#20
NITROBENZENE-D5
Concen: 75.26 ug/ml
RT: 18.11 min Scan# 542
Delta R.T. -0.00 min
Lab File: 03149a04.d
Acq: 14 Mar 99 1:09 pm

Tgt Ion:82 Resp: 139199

Ion	Ratio	Lower	Upper
82	100		
128	35.0	34.4	51.5
54	59.2	42.9	64.4
0	0.0	0.0	0.0

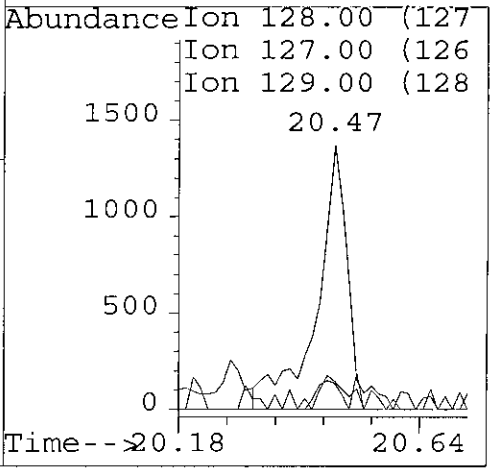


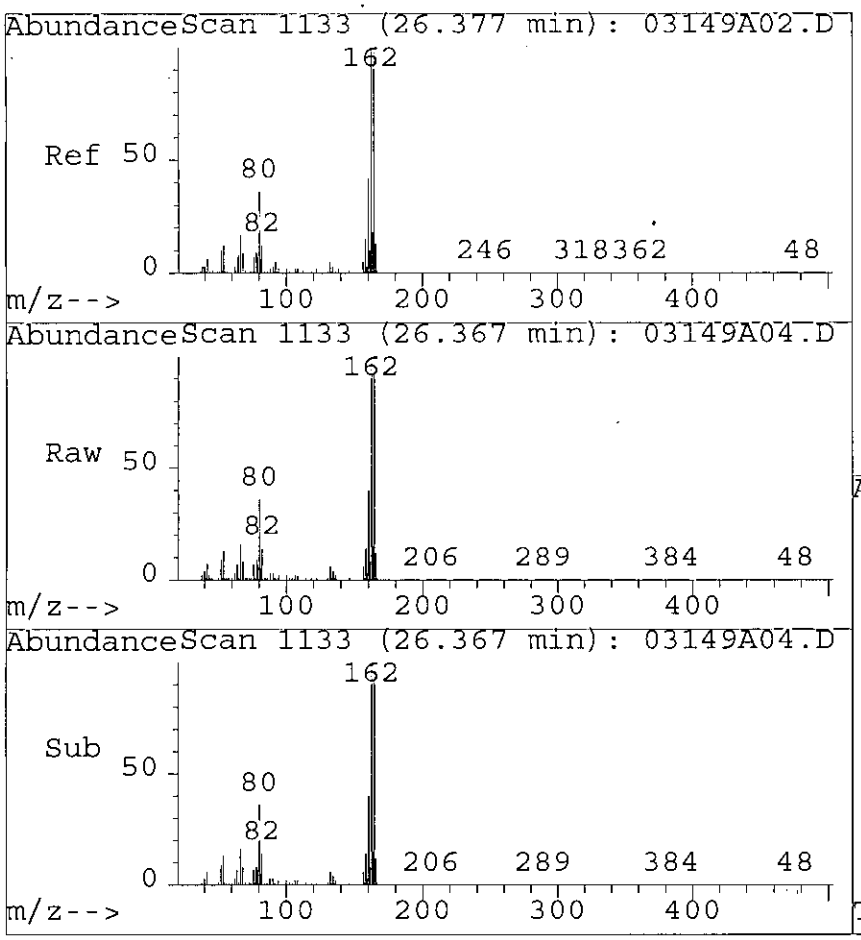


#29
NAPHTHALENE
Concen: 1.78 ug/ml
RT: 20.47 min Scan# 711
Delta R.T. -0.02 min
Lab File: 03149a04.d
Acq: 14 Mar 99 1:09 pm

Tgt Ion:128 Resp: 5668

Ion	Ratio	Lower	Upper
128	100		
127	10.7	10.7	16.0
129	10.0	8.7	13.0
0	0.0	0.0	0.0

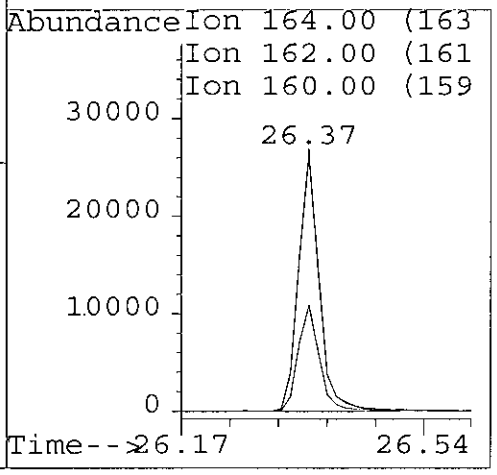


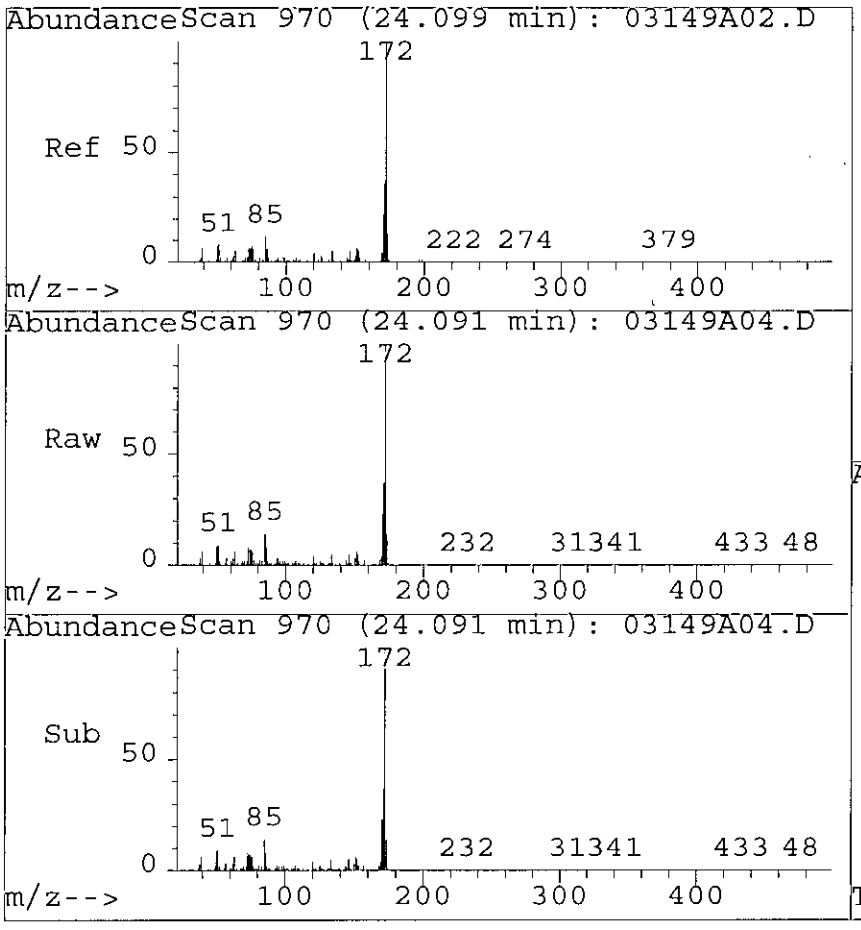


#34
ACENAPHTHENE-D10
Concen: 40.00 ug/ml
RT: 26.37 min Scan# 1133
Delta R.T. -0.01 min
Lab File: 03149a04.d
Acq: 14 Mar 99 1:09 pm

Tgt Ion:164 Resp: 57666

Ion	Ratio	Lower	Upper
164	100		
162	103.7	82.3	123.4
160	41.9	33.6	50.3
0	0.0	0.0	0.0

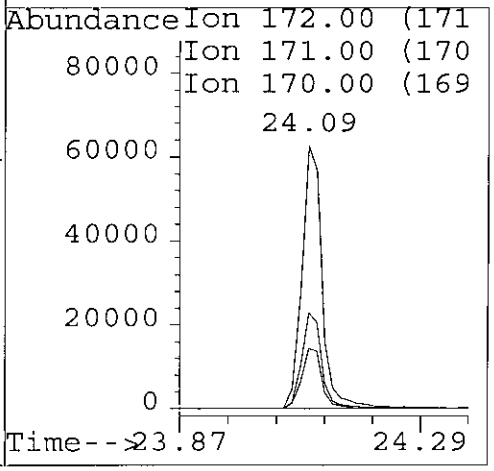


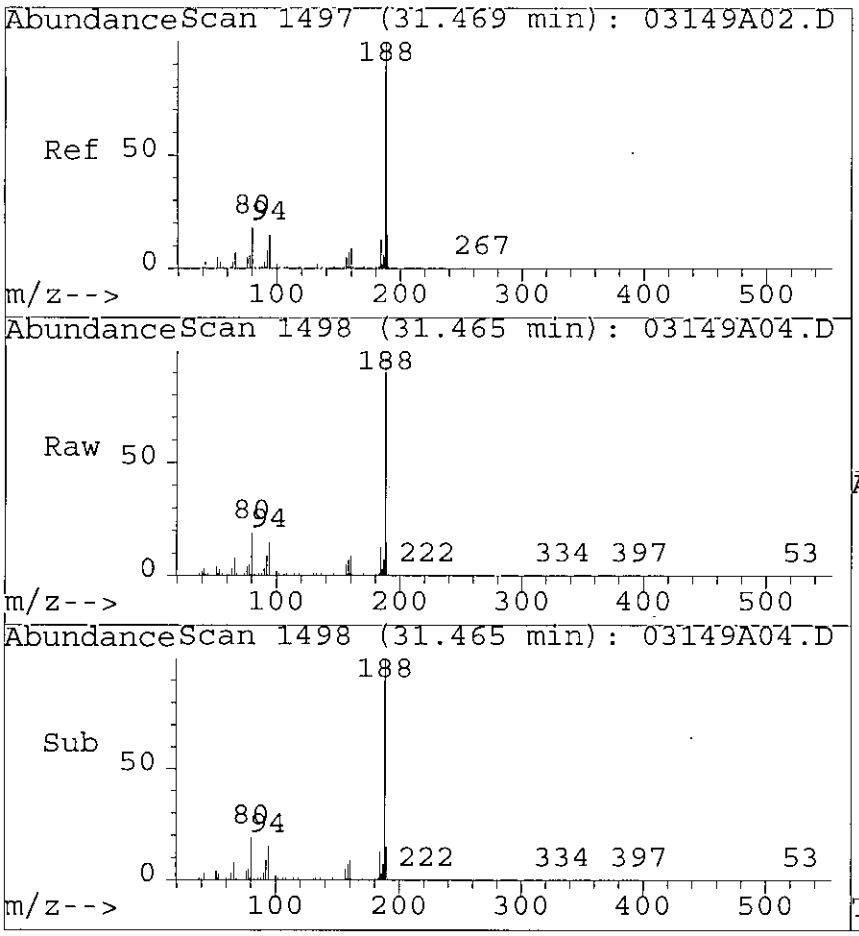


#38
FLUOROBIPHENYL
Concen: 80.48 ug/ml
RT: 24.09 min Scan# 970
Delta R.T. -0.01 min
Lab File: 03149a04.d
Acq: 14 Mar 99 1:09 pm

Tgt Ion:172 Resp: 152069

Ion	Ratio	Lower	Upper
172	100		
171	36.7	30.5	45.8
170	23.0	18.4	27.5
0	0.0	0.0	0.0

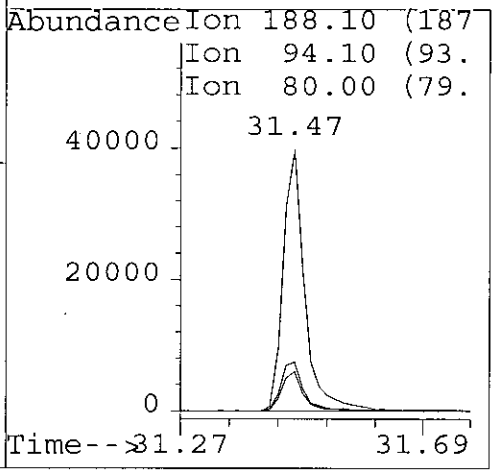


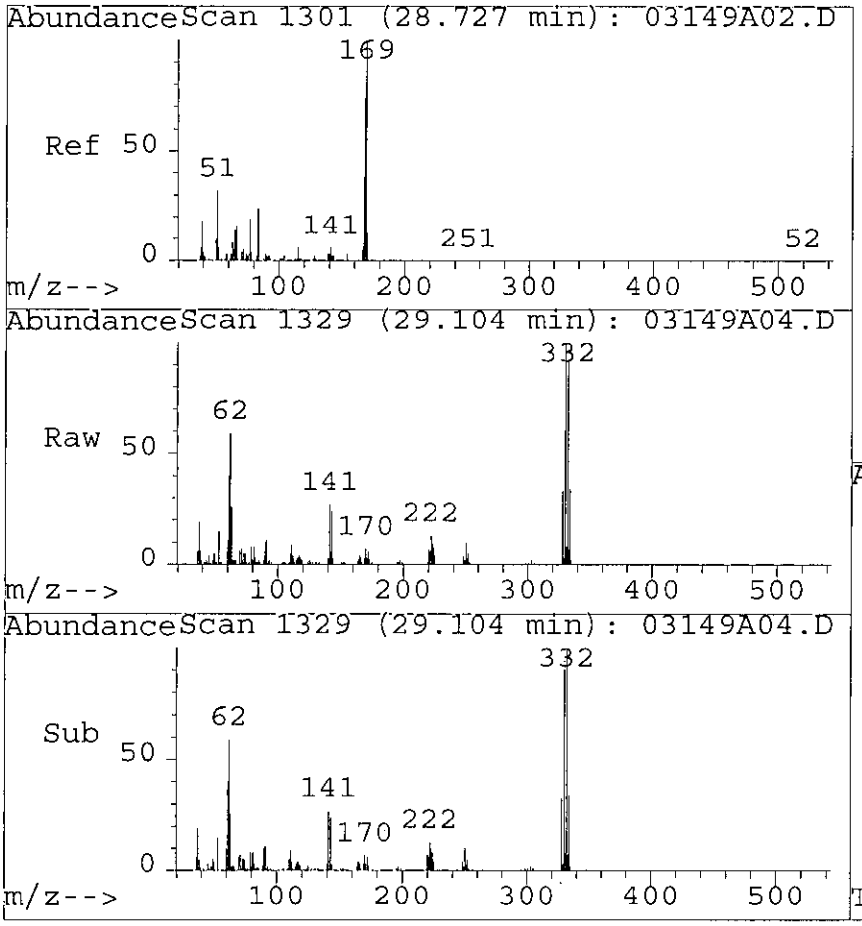


#54
PHENANTHRENE-D10
Concen: 40.00 ug/ml
RT: 31.47 min Scan# 1498
Delta R.T. -0.00 min
Lab File: 03149a04.d
Acq: 14 Mar 99 1:09 pm

Tgt Ion:188.1 Resp: 102854

Ion	Ratio	Lower	Upper
188	100		
94	15.0	11.6	17.3
80	18.6	13.7	20.5
0	0.0	0.0	0.0

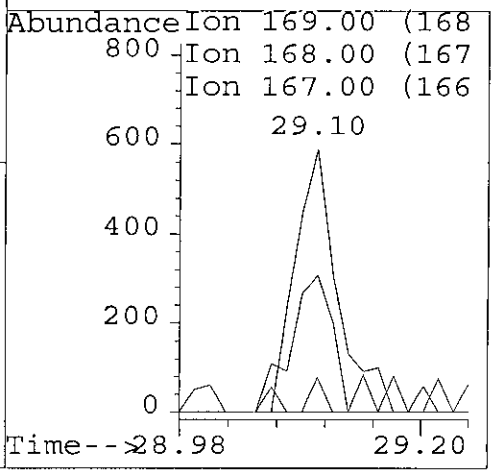


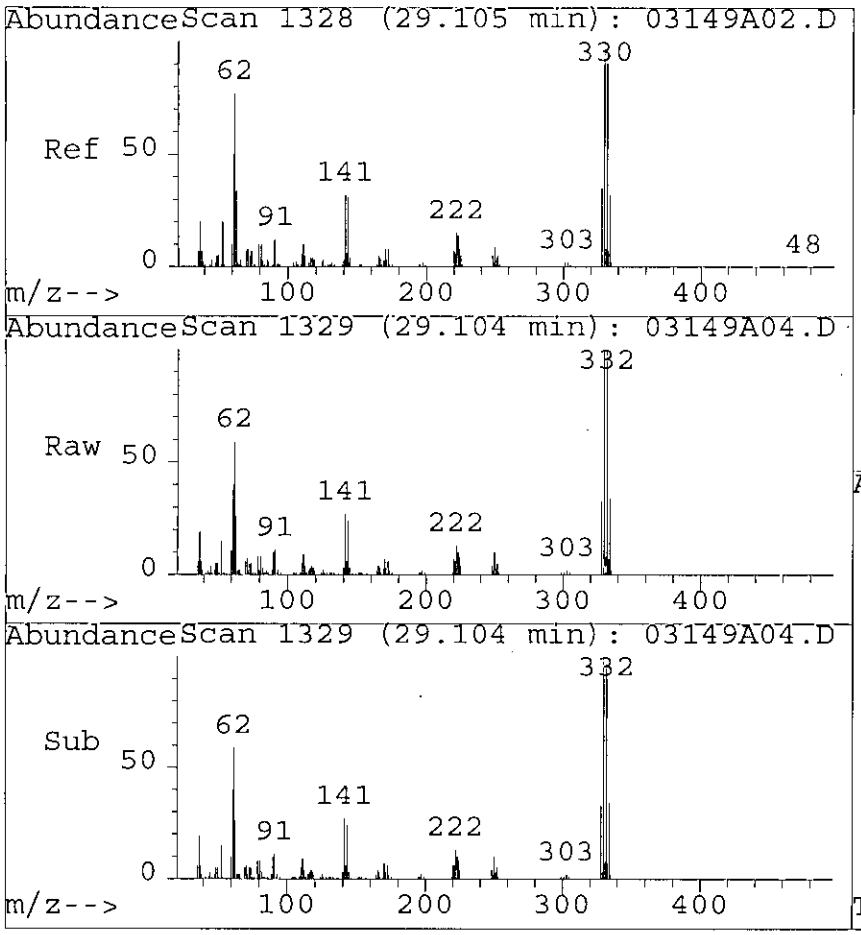


#56
N-NITROSODIPHENYLAMINE
Concen: 1.37 ug/ml
RT: 29.10 min Scan# 1329
Delta R.T. 0.38 min
Lab File: 03149a04.d
Acq: 14 Mar 99 1:09 pm

Tgt Ion:169 Resp: 1604

Ion	Ratio	Lower	Upper
169	100		
168	13.4	60.5	90.7#
167	52.1	31.4	47.1#
0	0.0	0.0	0.0

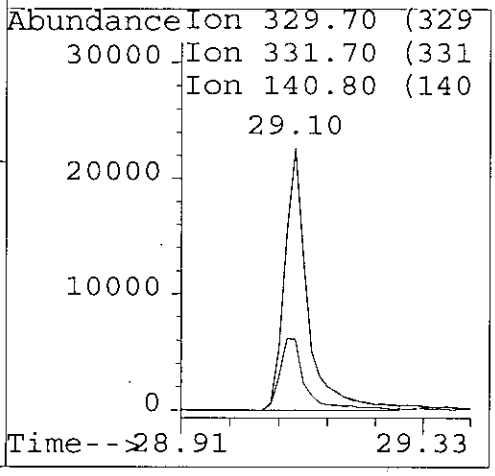


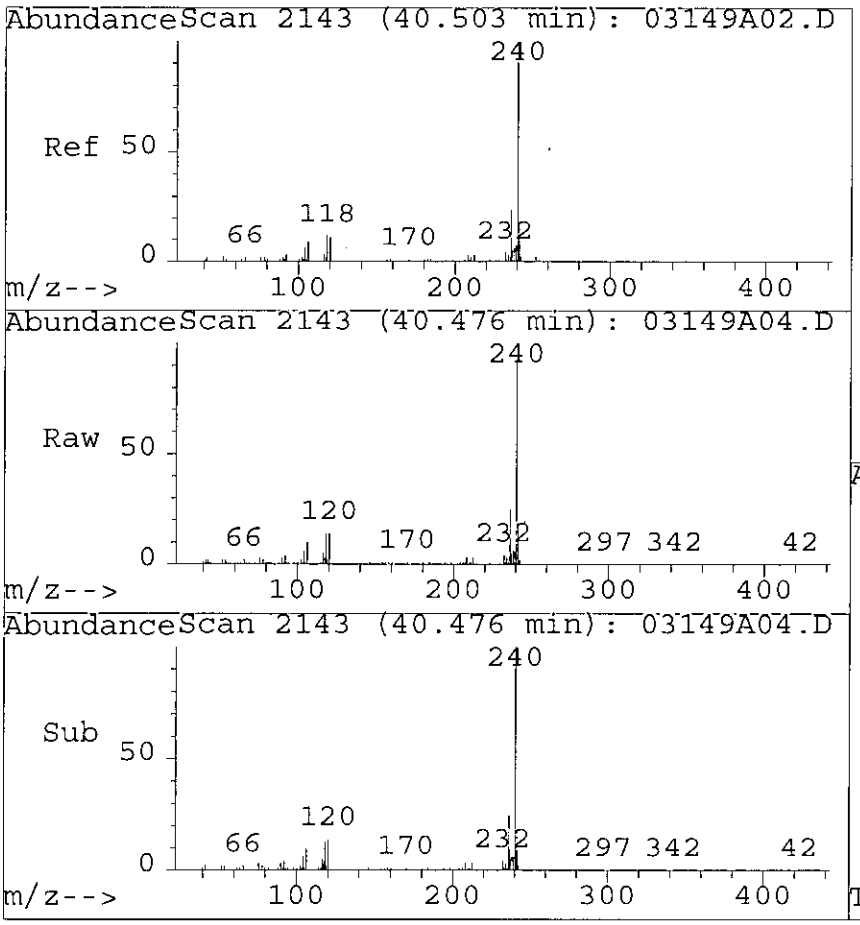


#58
2,4,6-TRIBROMOPHENOL
Concen: 146.06 ug/ml
RT: 29.10 min Scan# 1329
Delta R.T. -0.00 min
Lab File: 03149a04.d
Acq: 14 Mar 99 1:09 pm

Tgt Ion:329.7 Resp: 61497

Ion	Ratio	Lower	Upper
330	100		
332	99.5	69.7	104.5
141	26.9	30.9	46.4#
0	0.0	0.0	0.0

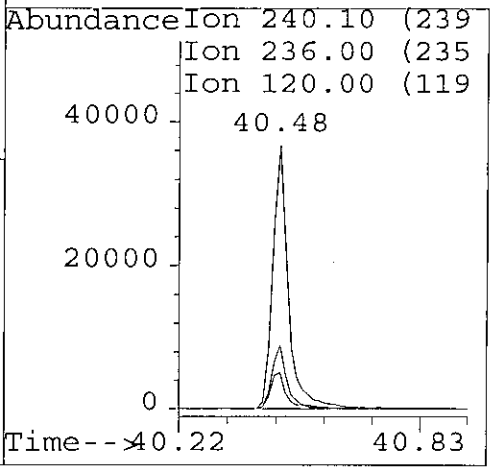


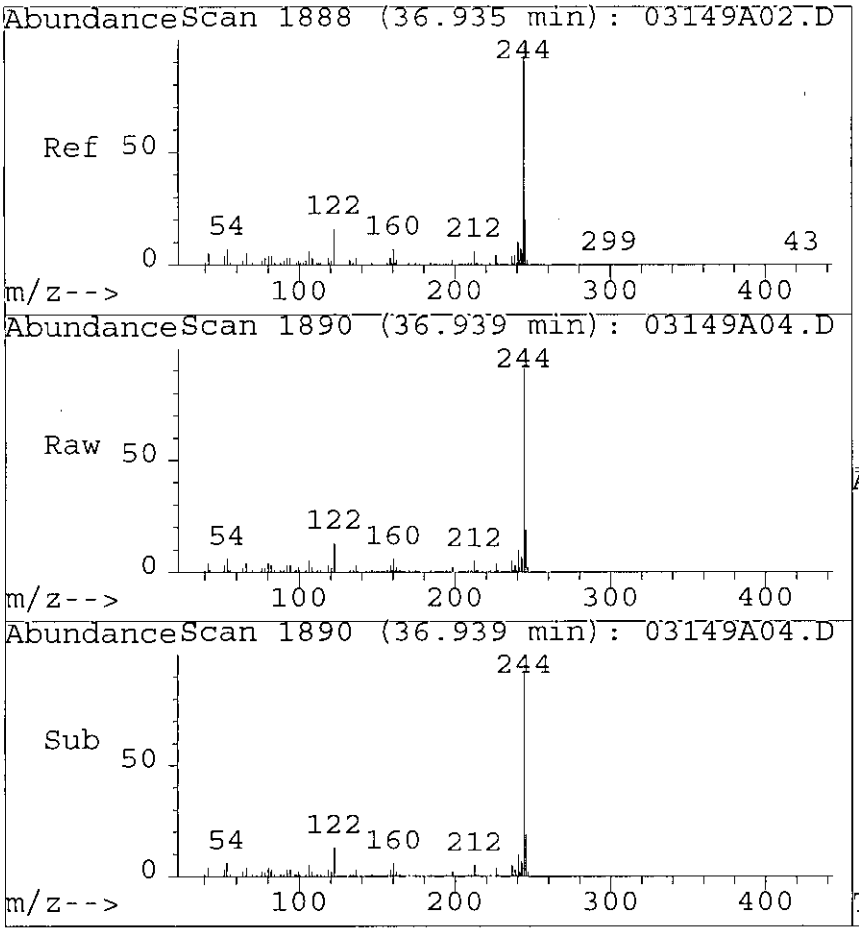


#74
CHRYSENE-D12
Concen: 40.00 ug/ml
RT: 40.48 min Scan# 2143
Delta R.T. -0.03 min
Lab File: 03149a04.d
Acq: 14 Mar 99 1:09 pm

Tgt Ion:240.1 Resp: 100261

Ion	Ratio	Lower	Upper
240	100		
236	24.5	20.6	30.9
120	13.9	17.5	26.2#
0	0.0	0.0	0.0

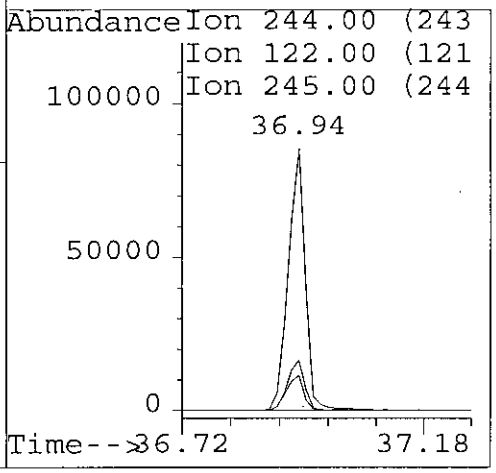


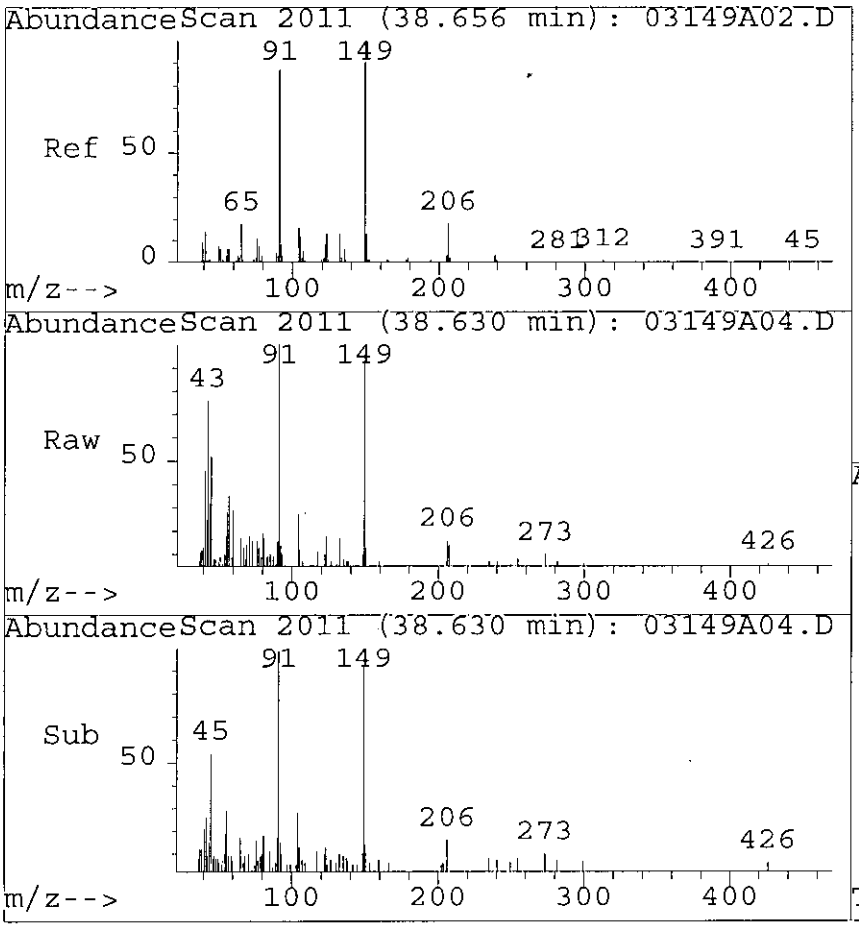


#78
P-TERPHENYL-D14
Concen: 78.51 ug/ml
RT: 36.94 min Scan# 1890
Delta R.T. 0.00 min
Lab File: 03149a04.d
Acq: 14 Mar 99 1:09 pm

Tgt Ion:244 Resp: 193499

Ion	Ratio	Lower	Upper
244	100		
122	13.4	15.3	23.0#
245	19.2	15.6	23.3
0	0.0	0.0	0.0

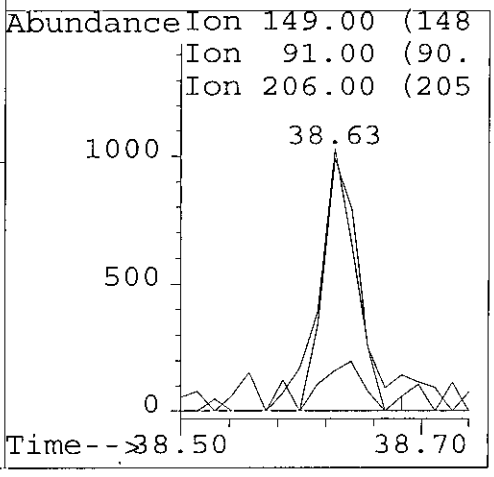


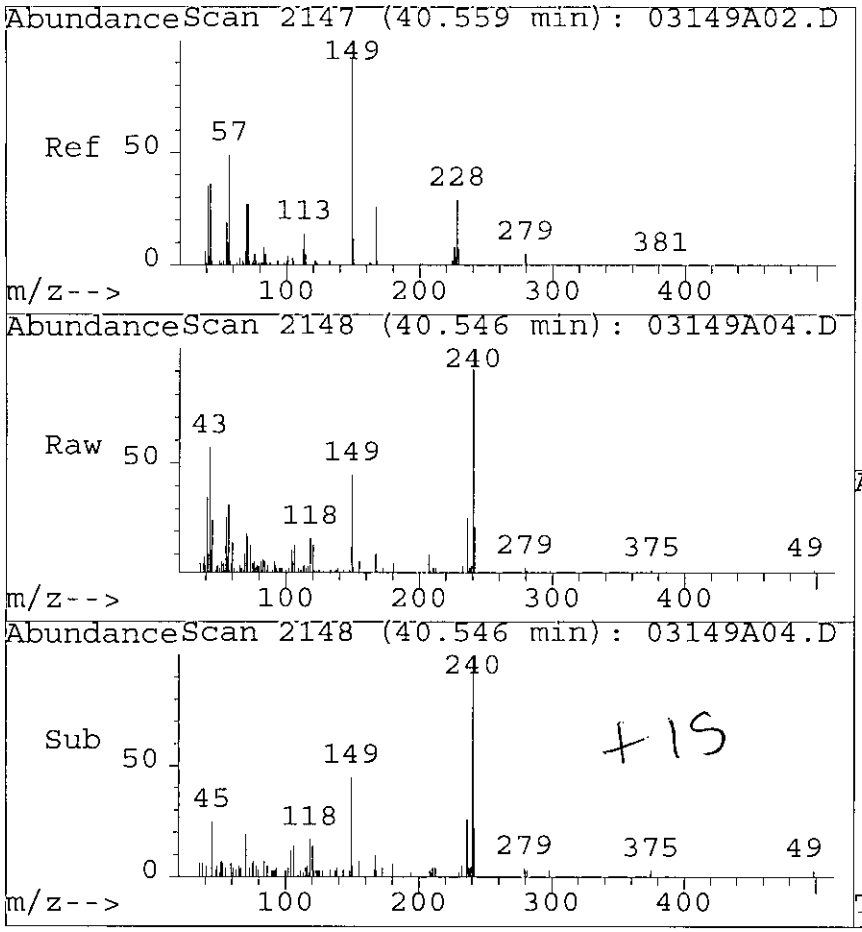


#83
BUTYLBENZYLPHTHALATE
Concen: 1.28 ug/ml
RT: 38.63 min Scan# 2011
Delta R.T. -0.03 min
Lab File: 03149a04.d
Acq: 14 Mar 99 1:09 pm

Tgt Ion:149 Resp: 2146

Ion	Ratio	Lower	Upper
149	100		
91	104.0	65.3	97.8#
206	16.1	11.5	17.2
0	0.0	0.0	0.0

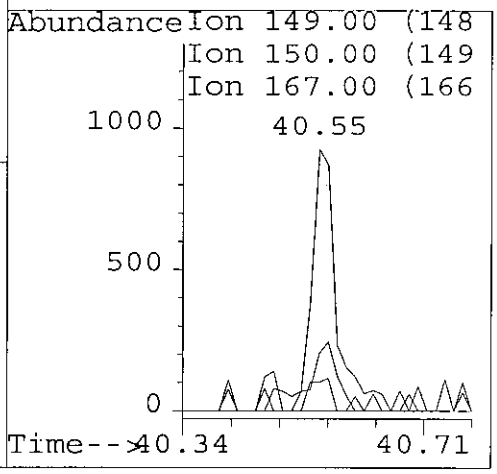


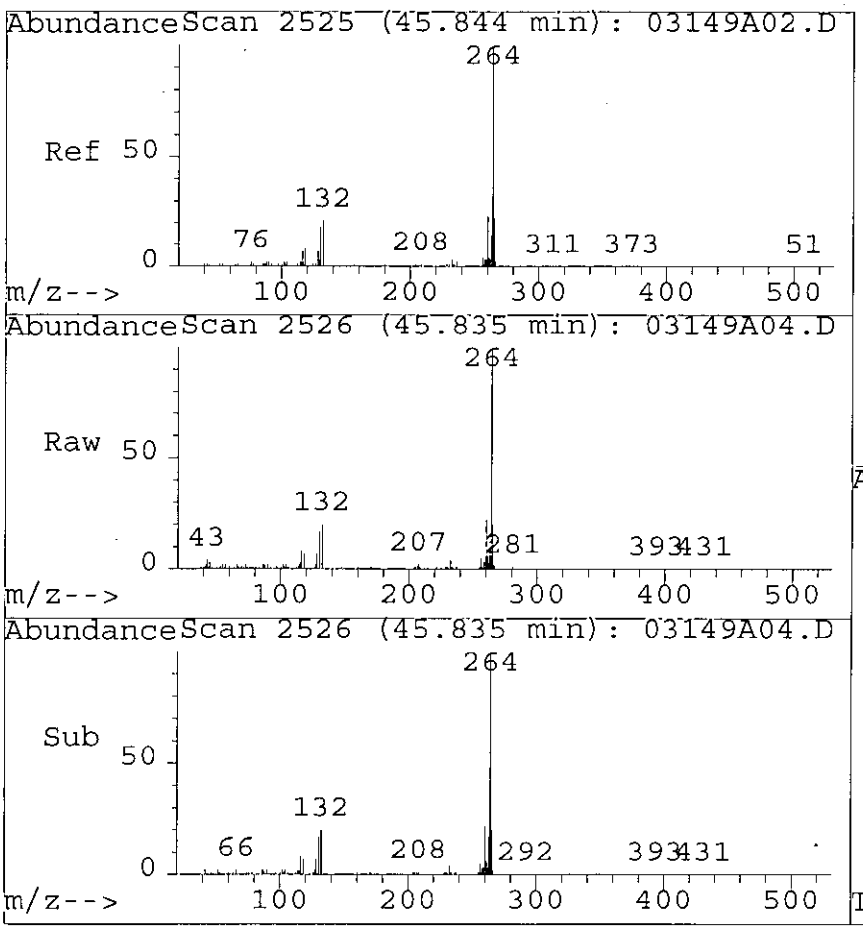


#91
BIS(2-ETHYLHEXYL)PHTHALATE
Concen: 1.12 ug/ml
RT: 40.55 min Scan# 2148
Delta R.T. -0.01 min
Lab File: 03149a04.d
Acq: 14 Mar 99 1:09 pm

Tgt Ion:149 Resp: 2645

Ion	Ratio	Lower	Upper
149	100		
150	11.0	9.5	14.2
167	21.9	20.5	30.7
0	0.0	0.0	0.0

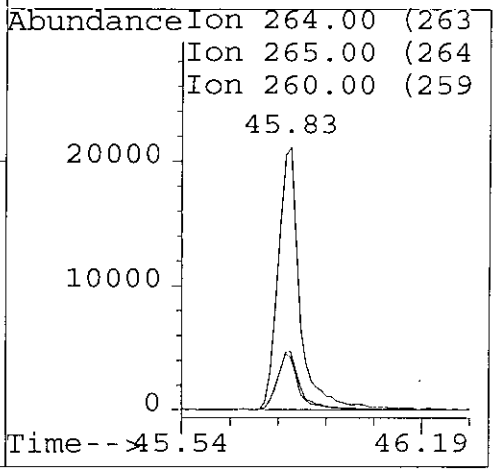




#92
PERYLENE-D12
Concen: 40.00 ug/ml
RT: 45.83 min Scan# 2526
Delta R.T. -0.01 min
Lab File: 03149a04.d
Acq: 14 Mar 99 1:09 pm

Tgt Ion:264 Resp: 88344

Ion	Ratio	Lower	Upper
264	100		
265	20.3	17.1	25.6
260	22.4	19.3	28.9
0	0.0	0.0	0.0



TIC: 03149A04.D

67833

Peak#	Ret Time	Type	Width	Area	Start Time	End Time
1	11.618	rBV	0.461	11832587 TIC	11.297	11.758
2	11.925	rVB	0.154	18784	11.883	12.037
3	12.442	rBV	0.377	784032-S	12.372	12.749
4	13.755	rBV	0.140	11407	13.671	13.811
5	15.026	rBV	0.209	263731 TIC column bleed	14.928	15.138
6	15.277	rBV	0.265	884913-S	15.208	15.473
7	15.627	rVB	0.322	953542-S	15.543	15.865
8	16.270	rBV	0.224	254815-IS	16.158	16.382
9	16.759	rBV	0.168	416428-S	16.704	16.871
10	17.277	rBV	0.140	14706	17.207	17.347
11	18.114	rBV	0.279	411873-S	18.003	18.282
12	18.673	rVB	0.168	115567 TIC	18.603	18.771
13	18.953	rBV	0.167	10366	18.869	19.036
14	19.302	rBV	0.098	12474	19.260	19.357
15	20.419	rBV	0.322	330692-IS	20.251	20.573
16	21.871	rBV	0.112	10393	21.843	21.955
17	22.220	rBV	0.112	57129 TIC	22.150	22.262
18	23.113	rBV	0.237	41321	23.072	23.309
19	23.741	rVB	0.126	12355	23.686	23.811
20	23.993	rBV	0.084	14849	23.951	24.035
21	24.091	rVV	0.210	531336-S	24.035	24.244
22	24.440	rVB	0.112	12345	24.398	24.510
23	25.376	rVB	0.126	28982	25.306	25.432
24	26.367	rBV	0.210	298345-IS	26.297	26.507
25	27.177	rVB	0.098	10918	27.149	27.247
26	27.833	rVB	0.112	14274	27.763	27.875
27	28.169	rVB	0.126	17713	28.126	28.252
28	29.104	rBV	0.196	522417-S	29.034	29.231
29	30.166	rVB	0.168	10467	30.054	30.222
30	30.557	rBV	0.168	21461	30.459	30.627
31	30.906	rBV	0.154	15484	30.822	30.976
32	31.465	rBV	0.280	301996-IS	31.367	31.647
33	31.996	rBV	0.154	12511	31.982	32.136
34	32.680	rVB	0.153	18726	32.582	32.736
35	32.931	rBV	0.112	10962	32.862	32.973
36	33.490	rBV	0.195	29202 <10%	33.378	33.574
37	36.156	rBV	0.126	13856	36.073	36.198
38	36.939	rBV	0.196	581750-S	36.855	37.051
39	37.959	rVB	0.084	11428	37.918	38.002
40	38.644	rBV	0.084	15508-T	38.574	38.658
41	38.686	rVV	0.084	16880	38.658	38.742
42	38.854	rVB	0.112	46307 TIC	38.798	38.910
43	39.469	rBV	0.140	13795	39.427	39.567
44	39.860	rBV	0.098	10892	39.804	39.902
45	40.056	rVB	0.154	15475	40.014	40.168
46	40.476	rBV	0.252	314595-IS	40.392	40.644
47	41.147	rBV	0.098	13277	41.091	41.190
48	41.973	rVB	0.126	16077	41.917	42.043
49	42.238	rVB	0.112	30092 <10%	42.197	42.309
50	42.477	rBV	0.070	11970	42.434	42.504
51	42.742	rBV	0.084	10033	42.700	42.784
52	43.400	rBV	0.182	45146 TIC	43.316	43.498
53	44.001	rBV	0.154	27163 <10%	43.945	44.099
54	44.729	rBV	0.154	35401	44.673	44.827
55	45.820	rVB	0.420	291865-IS	45.736	46.156

56	46.240	rVB	0.154	20843	46.171	46.324
57	47.080	rVB	0.154	20503	47.024	47.178
58	47.486	rBV	0.112	14484	47.443	47.555
59	48.003	rVB	0.154	27066	47.947	48.101
60	48.996	rVB	0.112	10249	48.968	49.080
61	51.332	rBV	0.098	14041	51.290	51.388
62	57.066	rBV	0.154	15317	56.996	57.150
63	58.129	rBV	0.070	11175	58.101	58.171

Library Search Compound Report

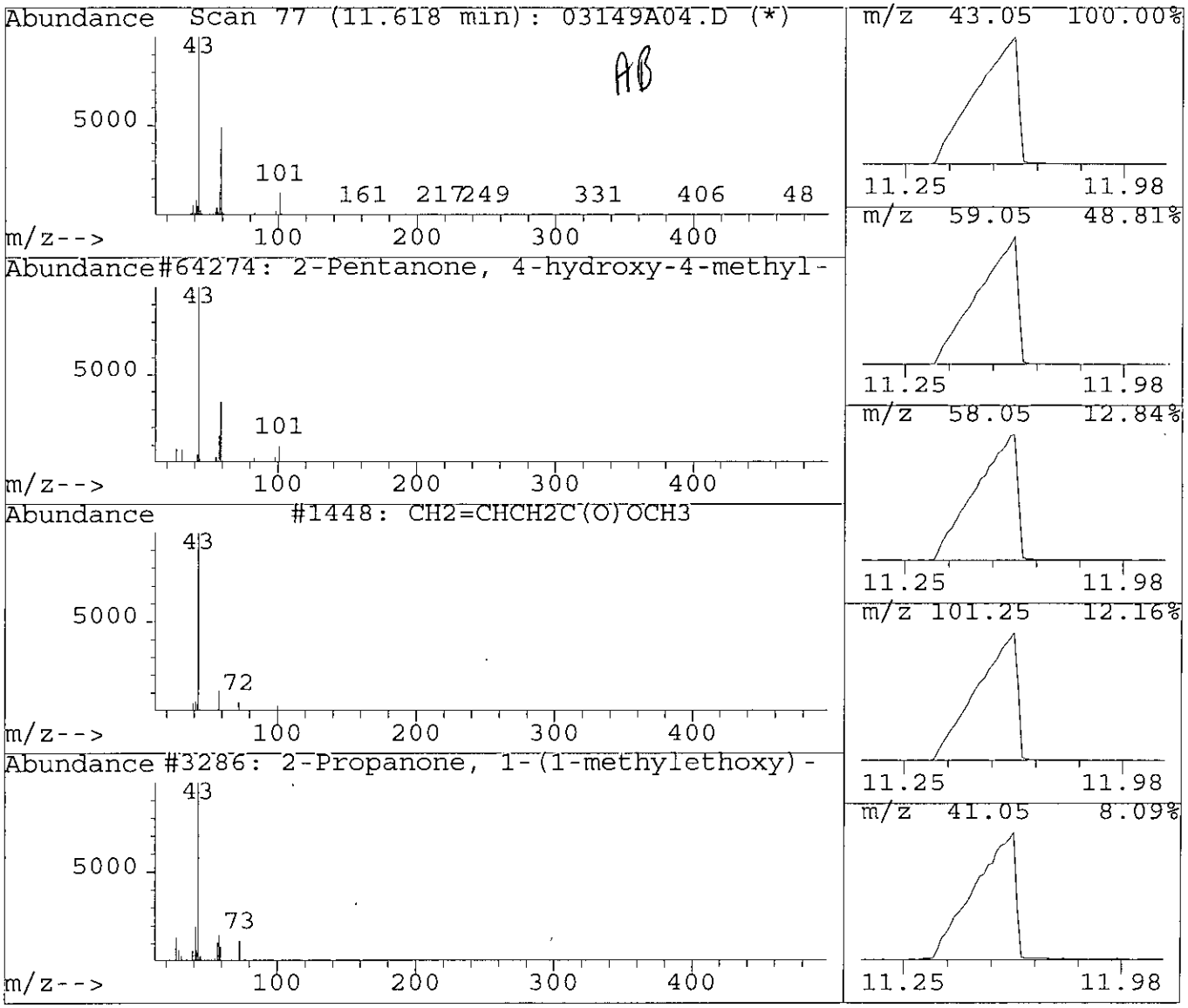
Data File : C:\HPCHEM\1\DATA\03149A04.D
Acq On : 14 Mar 99 1:09 pm
Sample : 67833
Misc : American Glue & Resin P#99187

Vial: 4
Operator: ESAT
Inst : 5988
Multiplr: 236.35

Method : C:\HPCHEM\1\METHODS\03149A01.M
Title : semivolatiles
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	R.T.
11.62✓	449011.19 ug/ml	11832587✓	1,4-DICHLOROBENZENE-D4	16.27

Hit# of 20	Tentative ID	Ref#	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	64274	000123-42-2	50✓
2	CH2=CHCH2C(O)OCH3	1448	003724-55-8	12
3	2-Propanone, 1-(1-methylethoxy)-	3286	042781-12-4	9
4	2,3-Butanedione, monooxime	1607	000057-71-6	7
5	Formamide, N,N-diethyl-	1629	000617-84-5	7



Library Search Compound Report

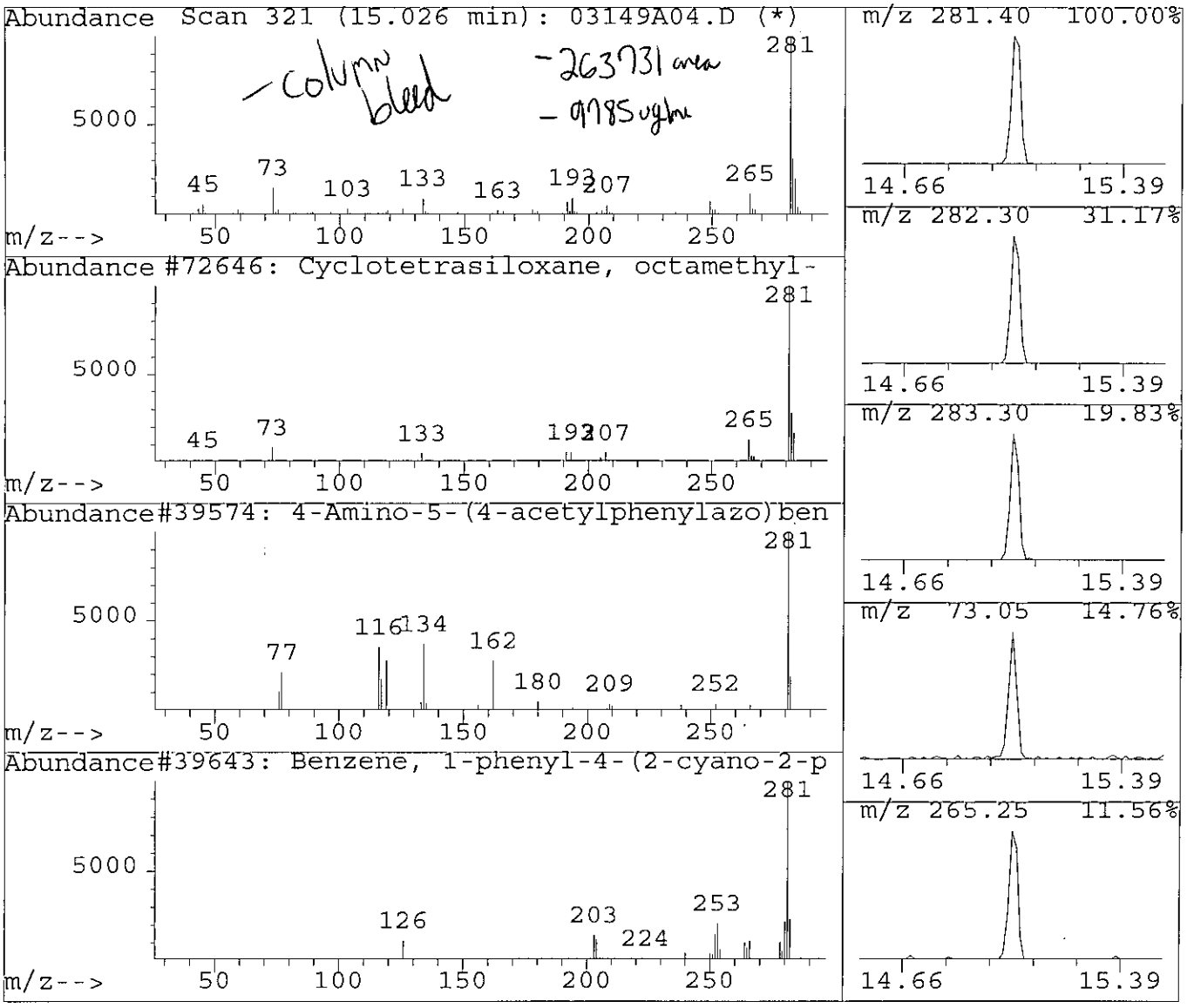
Data File : C:\HPCHEM\1\DATA\03149A04.D
Acq On : 14 Mar 99 1:09 pm
Sample : 67833
Misc : American Glue & Resin P#99187

Vial: 4
Operator: ESAT
Inst : 5988
Multiplr: 236.35

Method : C:\HPCHEM\1\METHODS\03149A01.M
Title : semivolatiles
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	R.T.
15.03	9889.79 ug/ml	260621	1,4-DICHLOROBENZENE-D4	16.27

Hit# of 18	Tentative ID	Ref#	CAS#	Qual
1	Cyclotetrasiloxane, octamethyl-	72646	000556-67-2	87
2	4-Amino-5-(4-acetylphenylazo)benzof	39574	000000-00-0	25
3	Benzene, 1-phenyl-4-(2-cyano-2-phen	39643	027869-56-3	9
4	1,3,5,7-Tetraethylbicyclo[3.3.1]tet	44149	073420-21-0	9
5	3',6-Dimethoxyaurone	39793	077764-84-2	5



Library Search Compound Report

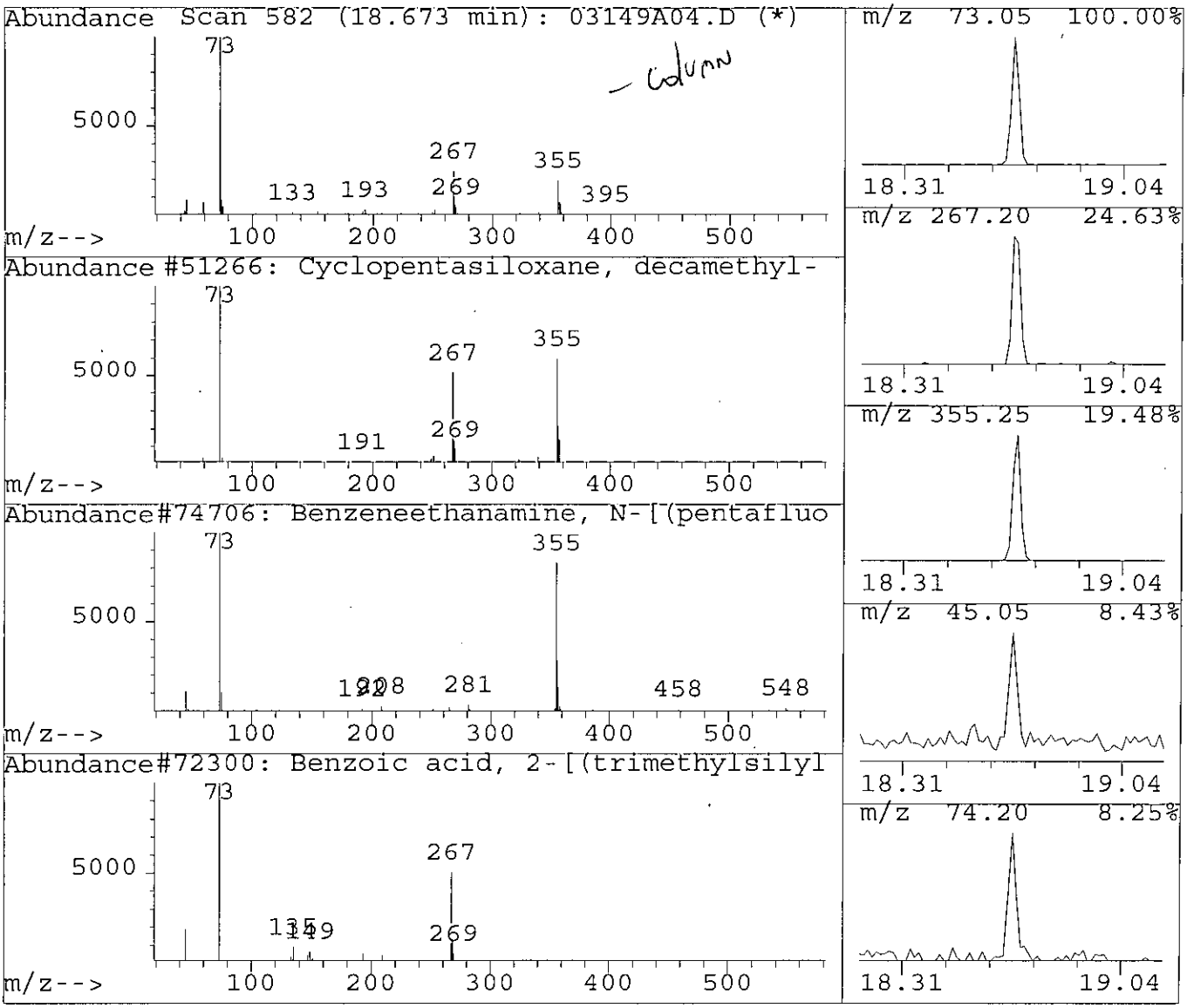
Data File : C:\HPCHEM\1\DATA\03149A04.D
Acq On : 14 Mar 99 1:09 pm
Sample : 67833
Misc : American Glue & Resin P#99187

Vial: 4
Operator: ESAT
Inst : 5988
Multiplr: 236.35

Method : C:\HPCHEM\1\METHODS\03149A01.M
Title : semivolatiles
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	R.T.
18.67	3278.52 ug/ml	114679	NAPHTHALENE-D8	20.42

Hit# of 20	Tentative ID	Ref#	CAS#	Qual
1	Cyclopentasiloxane, decamethyl-	51266	000541-02-6	47
2	Benzeneethanamine, N-[(pentafluorop	74706	055429-13-5	38
3	Benzoic acid, 2-[(trimethylsilyl)ox	72300	003789-85-3	37
4	Ethanol, (2-(3,4-dihydroxyphenyl)-,	73980	068595-80-2	37
5	Benzoic acid, 2,5-bis(trimethylsilo	73978	003618-20-0	25



Library Search Compound Report

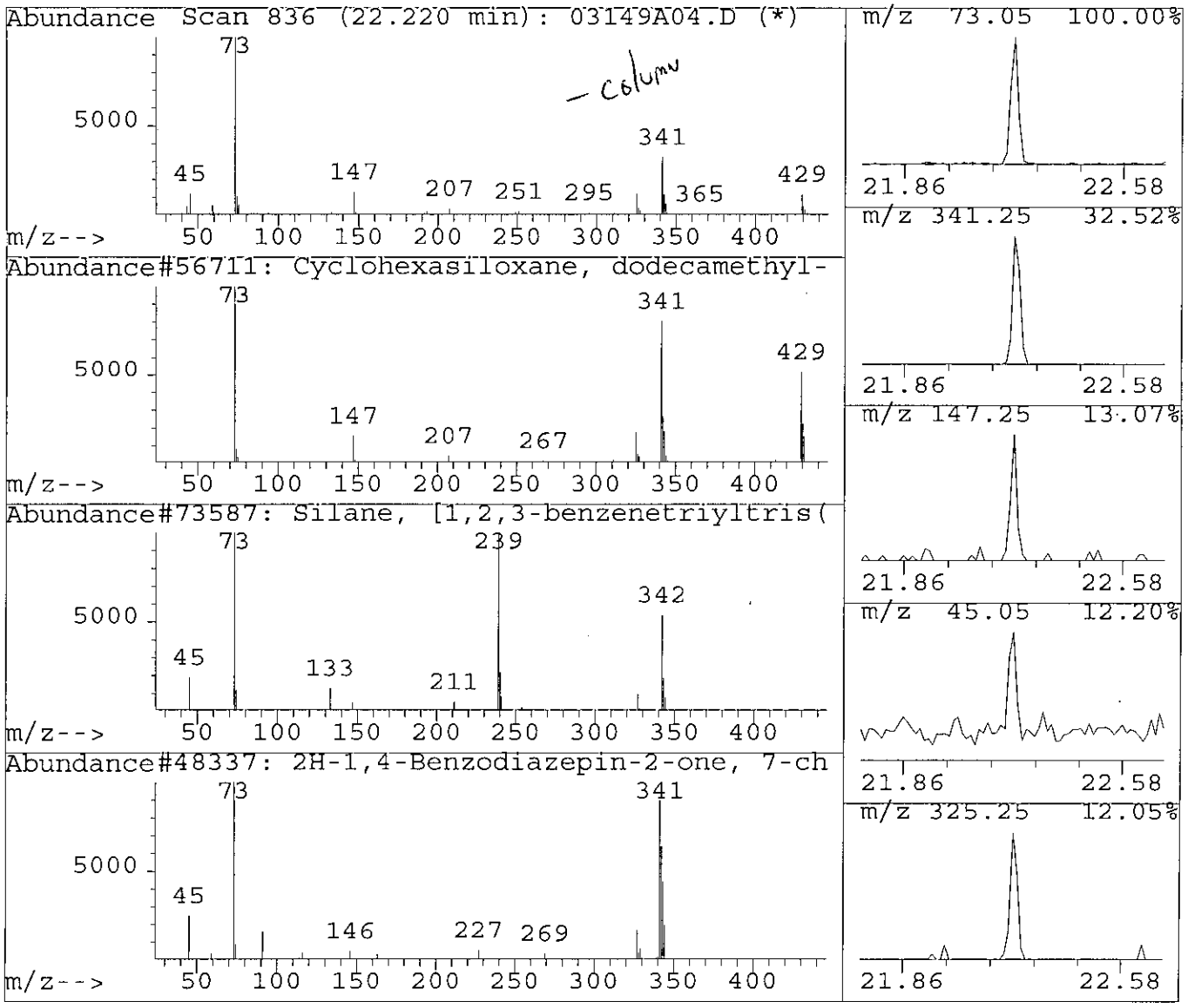
Data File : C:\HPCHEM\1\DATA\03149A04.D
Acq On : 14 Mar 99 1:09 pm
Sample : 67833
Misc : American Glue & Resin P#99187

Vial: 4
Operator: ESAT
Inst : 5988
Multiplr: 236.35

Method : C:\HPCHEM\1\METHODS\03149A01.M
Title : semivolatiles
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	R.T.
22.22	1633.24 ug/ml	57129	NAPHTHALENE-D8	20.42

Hit# of 20	Tentative ID	Ref#	CAS#	Qual
1	Cyclohexasiloxane, dodecamethyl-	56711	000540-97-6	91
2	Silane, [1,2,3-benzenetriyltris(oxy	73587	017864-23-2	27
3	2H-1,4-Benzodiazepin-2-one, 7-chlor	48337	055299-24-6	9
4	1,1,1,5,7,7,7-Heptamethyl-3,3-bis(t	56714	038147-00-1	4
5	Trimethylsilyl [3-methoxy-4-(trimet	73333	037148-61-1	4



Library Search Compound Report

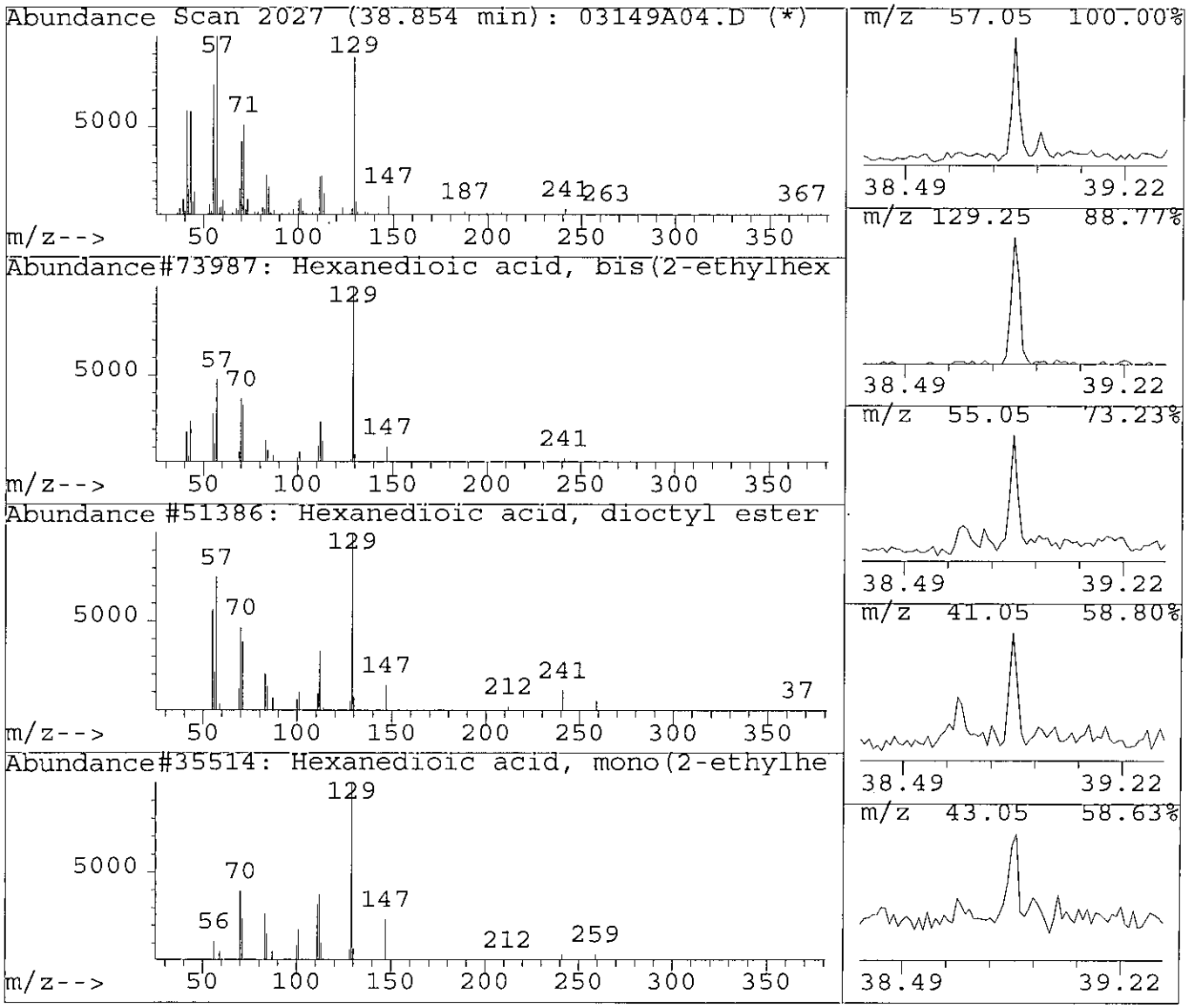
Data File : C:\HPCHEM\1\DATA\03149A04.D
Acq On : 14 Mar 99 1:09 pm
Sample : 67833
Misc : American Glue & Resin P#99187

Vial: 4
Operator: ESAT
Inst : 5988
Multiplr: 236.35

Method : C:\HPCHEM\1\METHODS\03149A01.M
Title : semivolatiles
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	R.T.
38.85	1339.42 ug/ml	44571	CHRYSENE-D12	40.48

Hit# of 20	Tentative ID	Ref#	CAS#	Qual
1	Hexanedioic acid, bis(2-ethylhexyl)	73987	000103-23-1	68
2	Hexanedioic acid, dioctyl ester	51386	000123-79-5	58
3	Hexanedioic acid, mono(2-ethylhexyl	35514	004337-65-9	47
4	Hexanedioic acid, dihexyl ester	44802	000110-33-8	35
5	Octane, 4-ethyl-	8095	015869-86-0	30



Library Search Compound Report

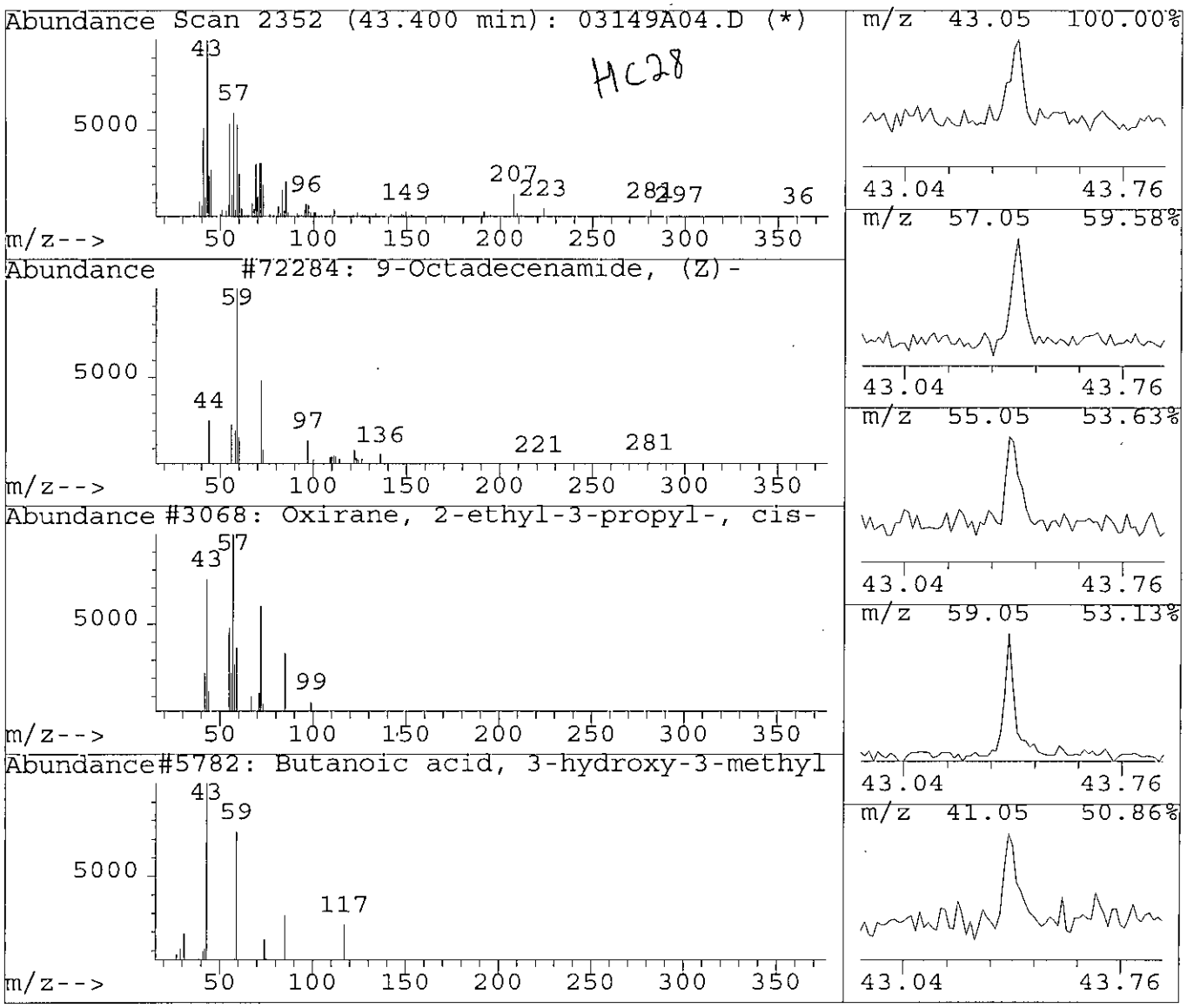
Data File : C:\HPCHEM\1\DATA\03149A04.D
Acq On : 14 Mar 99 1:09 pm
Sample : 67833
Misc : American Glue & Resin P#99187

Vial: 4
Operator: ESAT
Inst : 5988
Multiplr: 236.35

Method : C:\HPCHEM\1\METHODS\03149A01.M
Title : semivolatiles
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	R.T.
43.40	1232.51 ug/ml	38050	PERYLENE-D12	45.83

Hit# of 20	Tentative ID	Ref#	CAS#	Qual
1	9-Octadecenamide, (Z)-	72284	000301-02-0	43
2	Oxirane, 2-ethyl-3-propyl-, cis-	3068	056052-94-9	16
3	Butanoic acid, 3-hydroxy-3-methyl-,	5782	006149-45-7	16
4	3-Tetradecanol	26418	001653-32-3	12
5	3-Hexadecanol	71252	000593-03-3	12



1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

S67834

Lab EPA REG 1 Contract:

Proj 99187 Site: AMERICAN Location: Group:

Matrix: (soil/wat SOIL Lab Sample ID: S67834

Wet Sample wt/vol: 5.2 (g/mL) G Lab File ID: 03149A05.D

Dry: 2.8g Date Collected 3/2/99

Level: (low/m MED Date Received: 3/3/99

% 46 decanted: (Y/N): Y Date Extracted: 3/9/99

Concentrated Extract Volume 2000 (uL) Date Analyzed: 3/14/99

Injection Volume 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y N pH: 0 Report Factor: 2.1

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
62-53-3	ANILINE	7200	U
108-95-2	PHENOL	7200	U
111-44-4	BIS(2-CHLOROETHYL) ETHER	7200	U
95-57-8	2-CHLOROPHENOL	7200	U
541-73-1	1,3-DICHLOROBENZENE	7200	U
106-46-7	1,4-DICHLOROBENZENE	7200	U
100-51-6	BENZYL ALCOHOL	7200	U
95-50-1	1,2-DICHLOROBENZENE	7200	U
95-48-7	2-METHYLPHENOL	7200	U
108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	7200	U
106-44-5	4-METHYLPHENOL	7200	U
621-64-7	N-NITROSODIPROPYLAMINE	7200	U
67-72-1	HEXACHLOROETHANE	7200	U
98-95-3	NITROBENZENE	7200	U
78-59-1	ISOPHORONE	7200	U
88-75-5	2-NITROPHENOL	7200	U
105-67-9	2,4-DIMETHYLPHENOL	7200	U
111-91-1	BIS(2-CHLOROETHOXY)METHANE	7200	U
65-85-0	BENZOIC ACID	7200	U
120-83-2	2,4-DICHLOROPHENOL	7200	U
120-82-1	1,2,4-TRICHLOROBENZENE	7200	U
91-20-3	NAPHTHALENE	1500	L J
106-47-8	4-CHLOROANILINE	7200	U
87-68-3	HEXACHLOROBUTADIENE	7200	U
59-50-7	4-CHLORO-3-METHYLPHENOL	7200	U
91-57-6	2-METHYLNAPHTHALENE	7200	U
77-47-4	HEXACHLOROCYCLOPENTADIENE	7200	U
88-06-2	2,4,6-TRICHLOROPHENOL	7200	U
95-95-4	2,4,5-TRICHLOROPHENOL	7200	U
91-58-7	2-CHLORONAPHTHALENE	7200	U
88-74-4	2-NITROANILINE	7200	U
131-11-3	DIMETHYLPHTHALATE	7200	U
208-96-8	ACENAPHTHYLENE	7200	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

S67834

Lab EPA REG 1 Contract:

Proj 99187 Site: AMERICAN Location: Group:

Matrix: (soil/wat SOIL Lab Sample ID: S67834

Sample wt/vol: 5.2 (g/mL) G Lab File ID: 03149A05.D

Level: (low/m MED Date Received: 3/3/99

% 46 decanted: (Y/N): Y Date Extracted: 3/9/99

Concentrated Extract Volume 2000 (uL) Date Analyzed: 3/14/99

Injection Volume 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y N pH: 0

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
606-20-2	2,6-DINITROTOLUENE	7200	U
99-09-2	3-NITROANILINE	7200	U
83-32-9	ACENAPHTHENE	7200	U
51-28-5	2,4-DINITROPHENOL	7200	U
132-64-9	DIBENZOFURAN	7200	U
100-02-7	4-NITROPHENOL	7200	U
121-14-2	2,4-DINITROTOLUENE	7200	U
84-66-2	DIETHYLPHTHALATE	7200	U
86-73-7	FLUORENE	7200	U
7005-72-3	4-CHLOROPHENYL-PHENYLETHER	7200	U
100-01-6	4-NITROANILINE	7200	U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	7200	U
86-30-6	N-NITROSODIPHENYLAMINE	7200	U
103-33-3	DIPHENYLHYDRAZINE(AZOBENZENE)	7200	U
101-55-3	4-BROMOPHENYL-PHENYLETHER	7200	U
319-84-6	BHC ISOMER (ALPHA)	7200	U
118-74-1	HEXACHLOROBENZENE	7200	U
319-85-7	BHC ISOMER (BETA)	7200	U
87-86-5	PENTACHLOROPHENOL	7200	U
58-89-9	LINDANE-BHC ISOMER (GAMA)	7200	U
85-01-8	PHENANTHRENE	7200	U
120-12-7	ANTHRACENE	7200	U
319-86-8	BHC ISOMER (DELTA)	7200	U
86-74-8	CARBAZOLE	7200	U
76-44-8	HEPTACHLOR	7200	U
84-74-2	DIBUTYLPHTHALATE	7200	U
309-00-2	ALDRIN	7200	U
1024-57-3	HEPTACHLOR EPOXIDE	7200	U
206-44-0	FLUORANTHENE	7200	U
129-00-0	PYRENE	7200	U
959-98-8	ENDOSULFAN I	7200	U
72-55-9	P,P-DDE	7200	U
60-57-1	DIELDRIN	7200	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

S67834

Lab EPA REG 1 Contract:

Proj 99187 Site: AMERICAN Location: Group:

Matrix: (soil/wat SOIL Lab Sample ID: S67834

Sample wt/vol: 5.2 (g/mL) G Lab File ID: 03149A05.D

Level: (low/m MED Date Received: 3/3/99

% 46 decanted: (Y/N): Y Date Extracted: 3/9/99

Concentrated Extract Volume 2000 (uL) Date Analyzed: 3/14/99

Injection Volume 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y N pH: 0

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
72-20-8	ENDRIN	7200	U
33213-65-9	ENDOSULFAN II	7200	U
72-54-8	P,P-DDD	7200	U
85-68-7	BUTYLBENZYLPHTHALATE	970	L J
50-29-3	P,P-DDT	7200	U
1031-07-8	ENDOSULFAN SULFATE	7200	U
72-43-5	METHOXYCHLOR	7200	U
53494-70-5	ENDRIN KETONE	7200	U
91-94-1	3,3-DICHCHLOROBENZIDINE	7200	U
56-55-3	BENZ(A)ANTHRACENE	7200	U
218-01-9	CHRYSENE	7200	U
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	19000	
117-84-0	DI-N-OCTYLPHTHALATE	7200	U
205-99-2	BENZO(B)FLUORANTHENE	7200	U
207-08-9	BENZO(K)FLUORANTHENE	7200	U
50-32-8	BENZO(A)PYRENE	7200	U
193-39-5	INDENO(1,2,3-CD)PYRENE	7200	U
53-70-3	DIBENZO(A,H)ANTHRACENE	7200	U
191-24-2	BENZO(GHI)PERYLENE	7200	U

SAMPLE NUMBER 67834 QUANTITATION SHEET

Tentatively Identified Compounds

SCAN NO.	COMPOUND	PROB. MATCH	CONC (ug/ml)	EST. C. (ug/kg)	CAS NO.	CHEM. FORM.
61	~~4-hydroxy-4-methyl 2-pentanone~~	50	—	~50,000	123422	
2446	unknown hydrocarbon - C28	93	—	~70,000 J	—	
2615	unknown hydrocarbon - C30	86	—	~100,000 J	—	
2682	unknown hydrocarbon - C30	94	—	~80,000 J	—	
2923	unknown hydrocarbon - C32	91	—	~100,000 J	—	
3363	unknown hydrocarbon - C32	87	—	~50,000 J	—	

~ = Approximate
< = Less than
> = Greater than
NA = Not available due to dilution or interference
E = Estimated value that exceeds the calibration range
L = Estimated value that is below the calibration range
B = Analyte associated with the lab, trip blank. Reported values are 5X higher than blank. Phthalates must be 10X.

Quantitation Report

Data File : C:\HPCHEM\1\DATA\03149A05.D Vial: 5
Acq On : 14 Mar 99 2:17 pm Operator: ESAT
Sample : 67834 Inst : 5988
Misc : American Glue & Resin P#99187 Multiplr: 716.08
Quant Time: Mar 15 8:41 1999

Method : C:\HPCHEM\1\METHODS\03149A01.M
Title : semivolatiles
Last Update : Sun Mar 14 11:59:08 1999
Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DICHLOROBENZENE-D4	16.27	150	46129	40.00	ug/ml	0.00
19) NAPHTHALENE-D8	20.41	136	115728	40.00	ug/ml	-0.01
34) ACENAPHTHENE-D10	26.36	164	55818	40.00	ug/ml	-0.01
54) PHENANTHRENE-D10	31.46	188	103754	40.00	ug/ml	-0.01
74) CHRYSENE-D12	40.48	240	112095	40.00	ug/ml	-0.02
92) PERYLENE-D12	45.83	264	103356	40.00	ug/ml	-0.01
System Monitoring Compounds						**%Recovery**
2) FLUOROPHENOL	12.41	112	62176	66.22	ug/ml	33.11%
4) PHENOL-D5	15.28	99	97516	75.49	ug/ml	37.74%
5) 2-CHLOROPHENOL-D4	15.61	132	65870	70.86	ug/ml	35.43%
12) 1,2-DICHLOROBENZENE-D4	16.76	150	27186	25.55	ug/ml	25.55%
20) NITROBENZENE-D5	18.12	82	50453	28.33	ug/ml	28.33%
38) FLUOROBIPHENYL	24.08	172	65952	36.06	ug/ml	36.06%
58) 2,4,6-TRIBROMOPHENOL	29.10	330	29832	70.24	ug/ml	35.12%
78) P-TERPHENYL-D14	36.93	244	92606	33.61	ug/ml	33.61%
Target Compounds						**Qvalue**
29) NAPHTHALENE	20.48	128	6505	1516.49	ug/ml#	93
83) BUTYLBENZYLPHTHALATE	38.63	149	2562	976.57	ug/ml#	85
91) BIS(2-ETHYLHEXYL)PHTHALATE	40.55	149	71392	19421.35	ug/ml	99

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

Quantitation Report

Data File : c:\hpchem\1\data\03149a05.d
Acq On : 14 Mar 99 2:17 pm
Sample : 67834
Misc : American Glue & Resin P#99187
Quant Time: Mar 15 7:05 1999

Vial: 5
Operator: ESAT
Inst : 5988
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\03149A01.M
Title : semivolatiles
Last Update : Sun Mar 14 11:59:08 1999
Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-DICHLOROBENZENE-D4	16.27	150	46129	40.00 ug/ml	0.00
19) NAPHTHALENE-D8	20.41	136	115728	40.00 ug/ml	-0.01
34) ACENAPHTHENE-D10	26.36	164	55818	40.00 ug/ml	-0.01
54) PHENANTHRENE-D10	31.46	188	103754	40.00 ug/ml	-0.01
74) CHRYSENE-D12	40.48	240	112095	40.00 ug/ml	-0.02
92) PERYLENE-D12	45.83	264	103356	40.00 ug/ml	-0.01
System Monitoring Compounds					%Recovery
2) FLUOROPHENOL	12.41	112	62176	66.22 ug/ml	33.11%
4) PHENOL-D5	15.28	99	97516	75.49 ug/ml	37.74%
5) 2-CHLOROPHENOL-D4	15.61	132	65870	70.86 ug/ml	35.43%
12) 1,2-DICHLOROBENZENE-D4	16.76	150	27186	25.55 ug/ml	25.55%
20) NITROBENZENE-D5	18.12	82	50453	28.33 ug/ml	28.33%
38) FLUOROBIPHENYL	24.08	172	65952	36.06 ug/ml	36.06%
58) 2,4,6-TRIBROMOPHENOL	29.10	330	29832	70.24 ug/ml	35.12%
78) P-TERPHENYL-D14	36.93	244	92606	33.61 ug/ml	33.61%
Target Compounds					Qvalue
15) BIS(2-CHLOROISOPROPYL)ETHE	17.05	45	1516	~~0.69 ug/ml#~~	1
17) N-NITROSODIPROPYLAMINE	17.57	70	9412	~~8.25 ug/ml#~~	1
29) NAPHTHALENE	20.48	128	6505	2.12 ug/ml#	93
53) 4-NITROANILINE	28.25	65	3975	~~4.13 ug/ml#~~	44
65) PHENANTHRENE	31.54	178	1733	~~0.66 ug/ml#~~	90
66) ANTHRACENE	31.54	178	1642	~~0.61 ug/ml#~~	90
83) BUTYLBENZYLPHTHALATE	38.63	149	2562	1.36 ug/ml#	85
87) ENDRIN KETONE	40.03	67	2324	~~4.93 ug/ml#~~	54
91) BIS(2-ETHYLHEXYL)PHTHALATE	40.55	149	71392	27.12 ug/ml	99
93) DI-N-OCTYLPHTHALATE	42.76	149	1956	~~0.43 ug/ml#~~	73

Wet WT = 5.153
Dry WT = 2.793
% moist = 45.8
2 ml FV,
No Dil
MULT = 716.075904

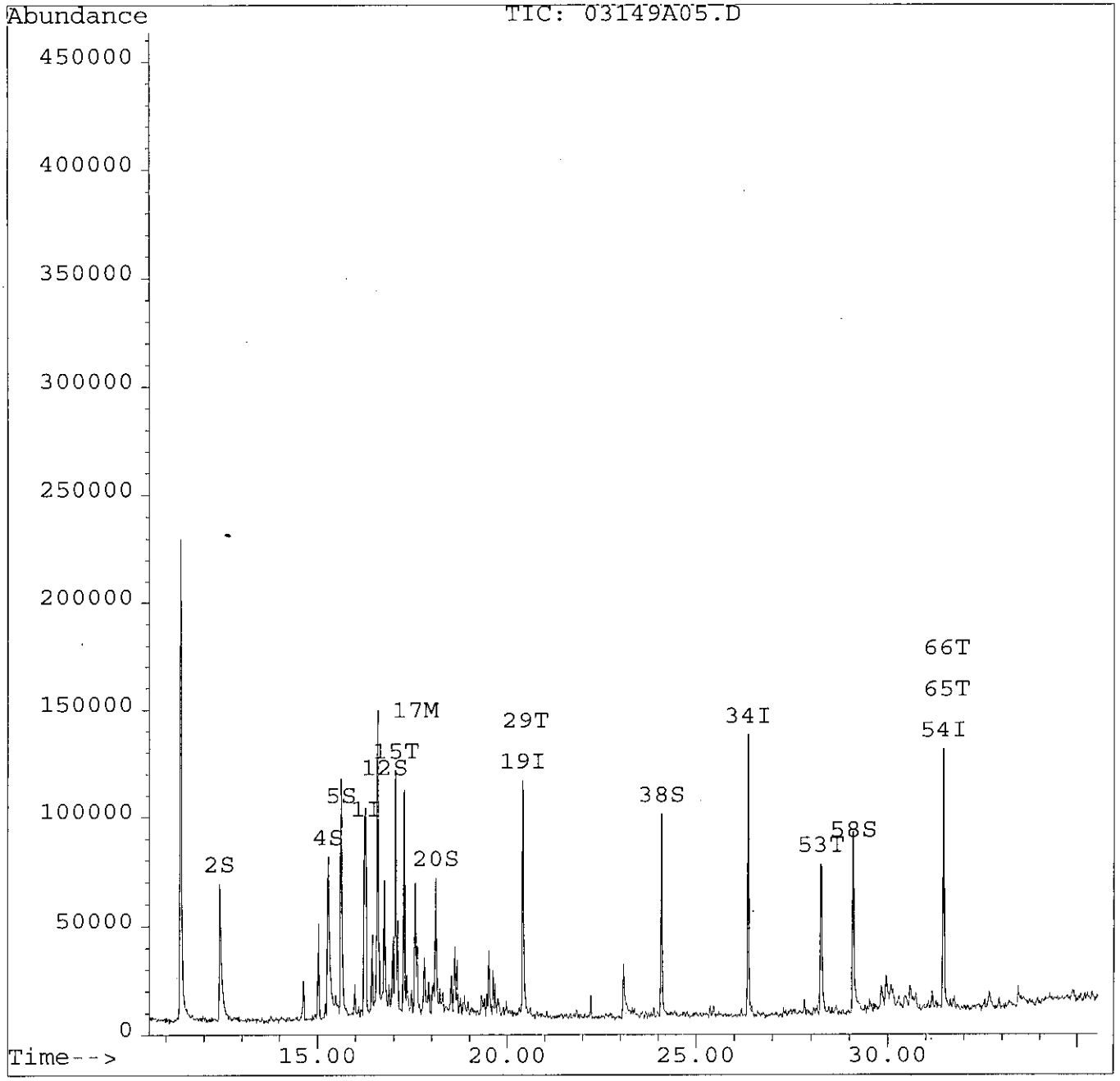
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : c:\hpchem\1\data\03149a05.d
Acq On : 14 Mar 99 2:17 pm
Sample : 67834
Misc : American Glue & Resin P#99187
Quant Time: Mar 15 7:05 1999

Vial: 5
Operator: ESAT
Inst : 5988
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\03149A01.M
Title : semivolatiles
Last Update : Sun Mar 14 11:59:08 1999
Response via : Single Level Calibration

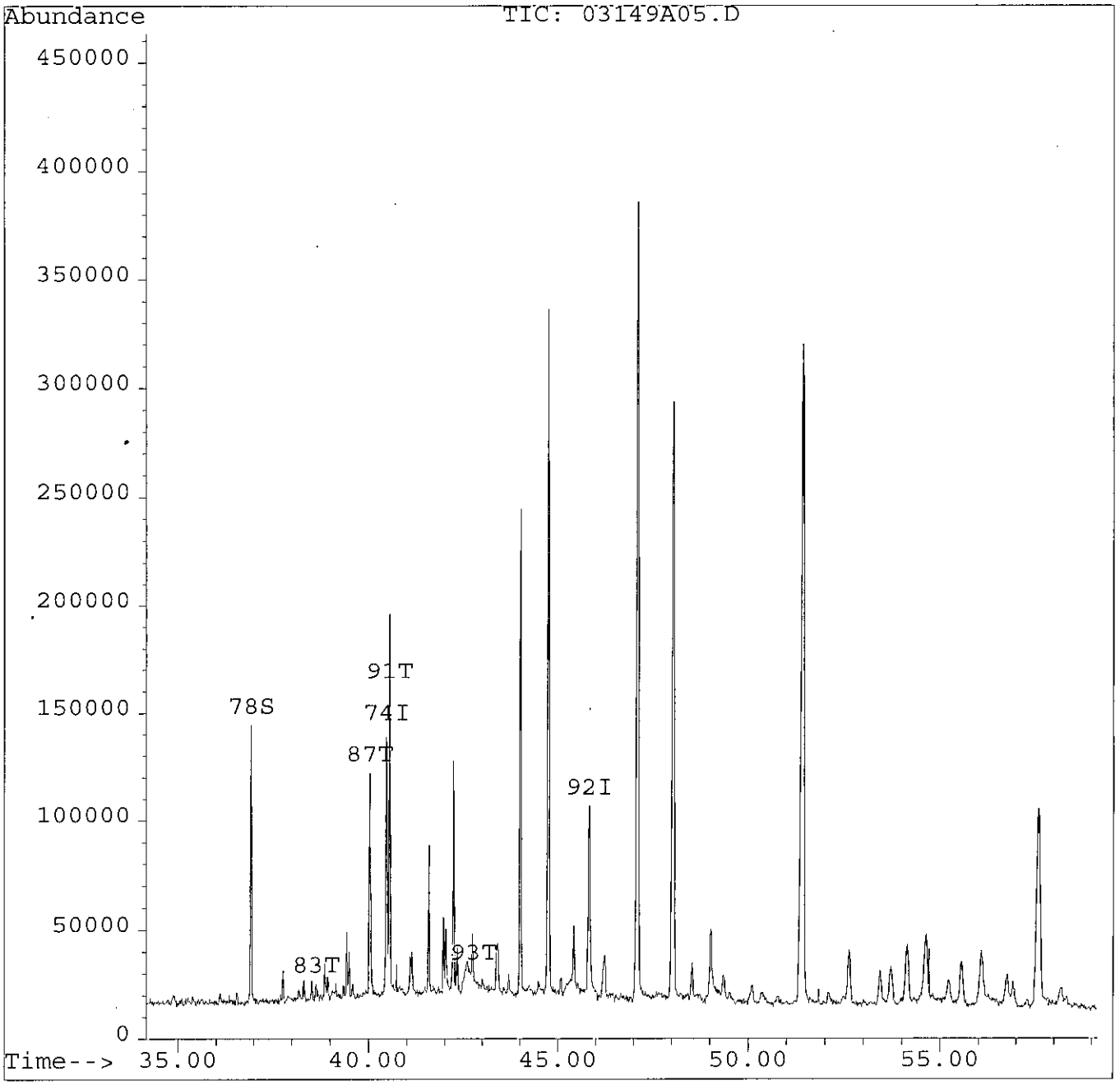


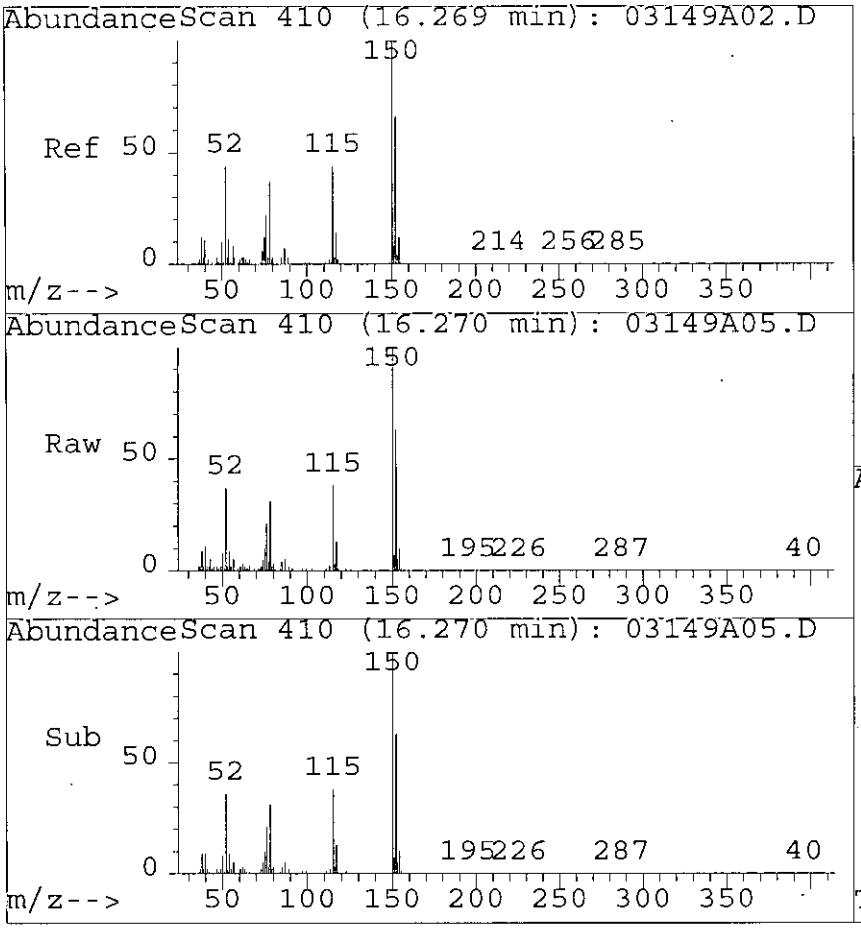
Quantitation Report

Data File : c:\hpchem\1\data\03149a05.d
Acq On : 14 Mar 99 2:17 pm
Sample : 67834
Misc : American Glue & Resin P#99187
Quant Time: Mar 15 7:05 1999

Vial: 5
Operator: ESAT
Inst : 5988
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\03149A01.M
Title : semivolatiles
Last Update : Sun Mar 14 11:59:08 1999
Response via : Single Level Calibration

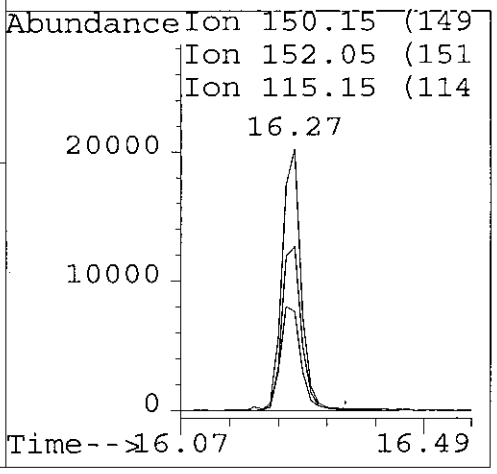


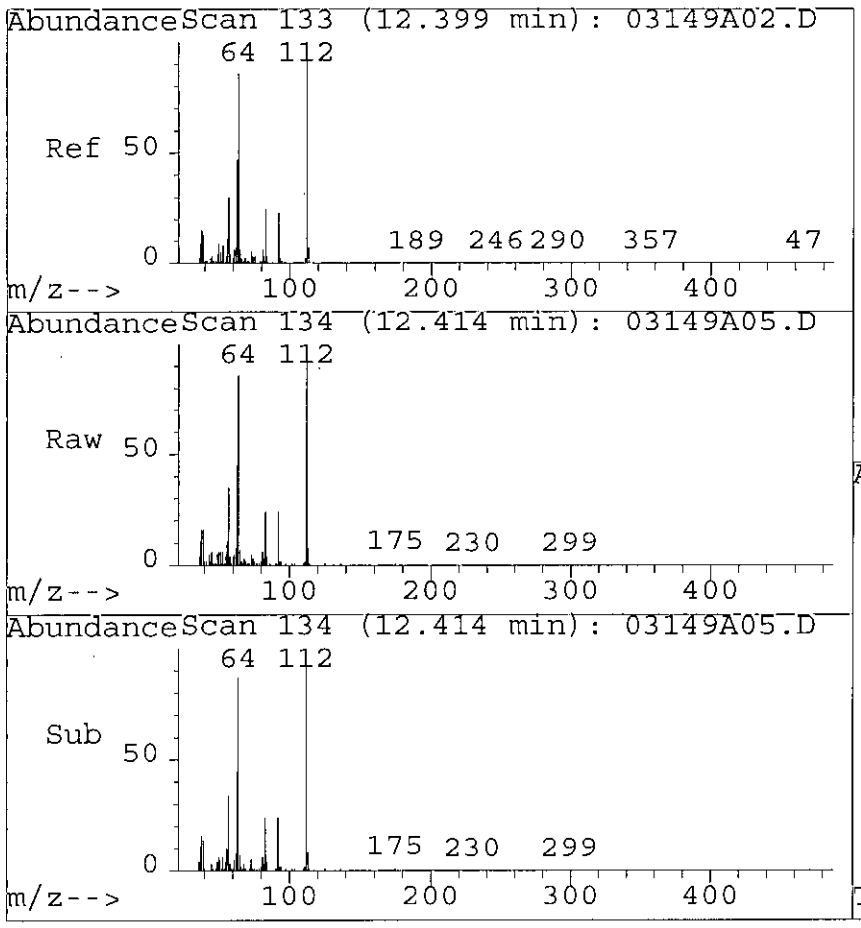


#1
1,4-DICHLOROBENZENE-D4
Concen: 40.00 ug/ml
RT: 16.27 min Scan# 410
Delta R.T. 0.00 min
Lab File: 03149a05.d
Acq: 14 Mar 99 2:17 pm

Tgt Ion:150.15 Resp: 46129

Ion	Ratio	Lower	Upper
150	100		
152	62.7	51.1	76.6
115	37.7	34.7	52.0
0	0.0	0.0	0.0

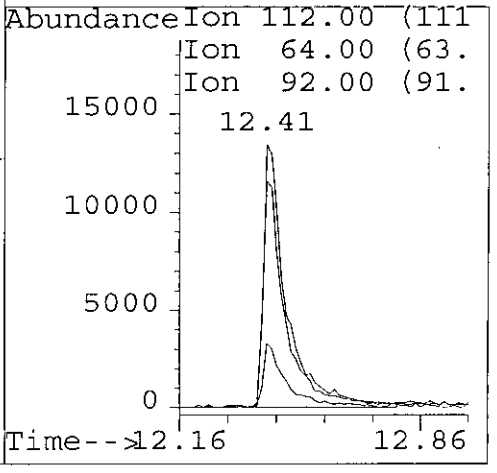


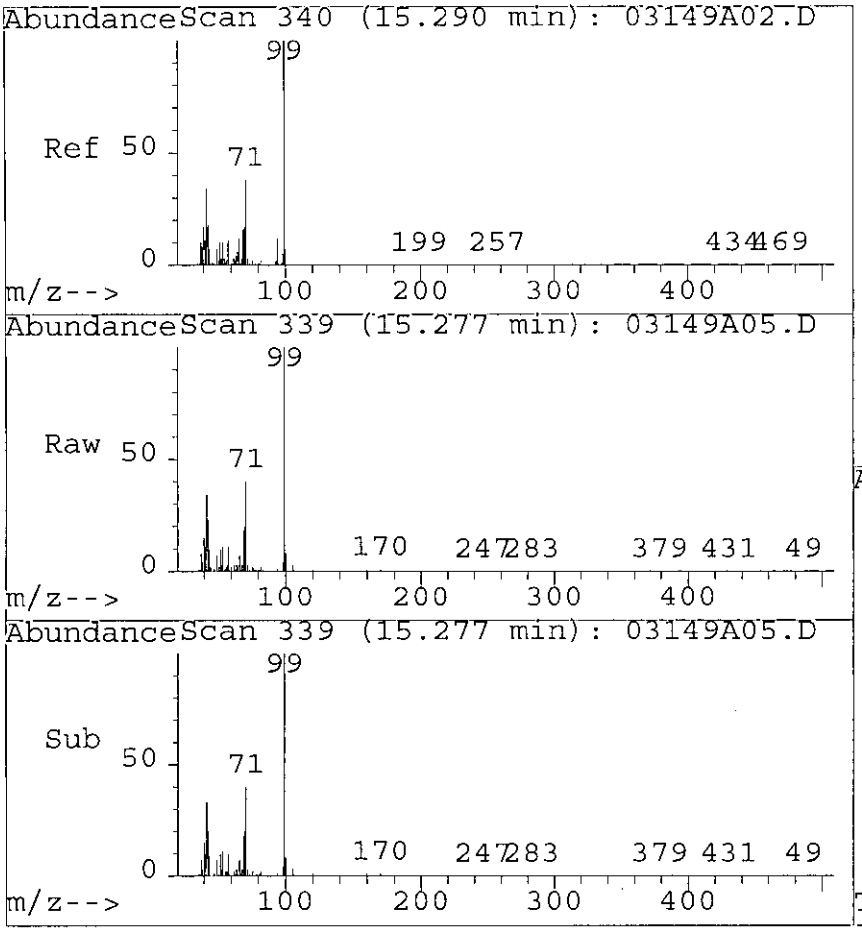


#2
FLUOROPHENOL
Concen: 66.22 ug/ml
RT: 12.41 min Scan# 134
Delta R.T. 0.01 min
Lab File: 03149a05.d
Acq: 14 Mar 99 2:17 pm

Tgt Ion:112 Resp: 62176

Ion	Ratio	Lower	Upper
112	100		
64	86.4	55.4	83.1#
92	24.5	24.7	37.0#
0	0.0	0.0	0.0

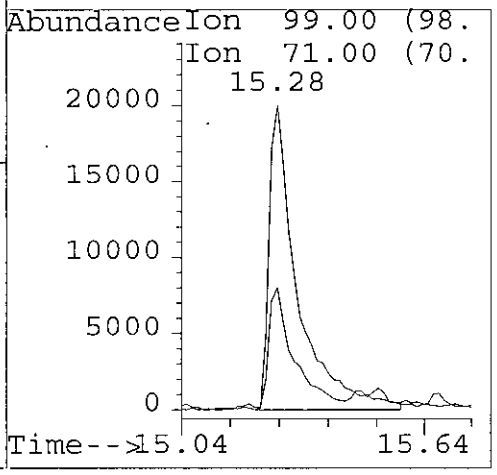


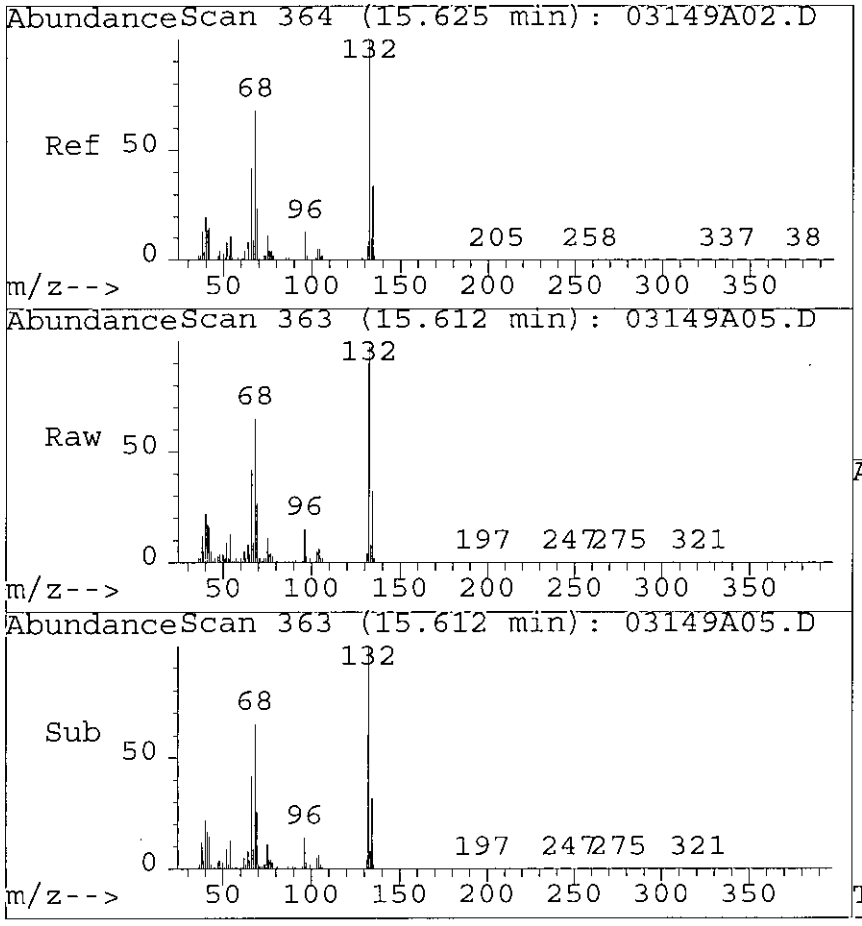


#4
PHENOL-D5
Concen: 75.49 ug/ml
RT: 15.28 min Scan# 339
Delta R.T. -0.01 min
Lab File: 03149a05.d
Acq: 14 Mar 99 2:17 pm

Tgt Ion:99 Resp: 97516

Ion	Ratio	Lower	Upper
99	100		
71	40.0	27.7	41.4
0	0.0	0.0	0.0
0	0.0	0.0	0.0

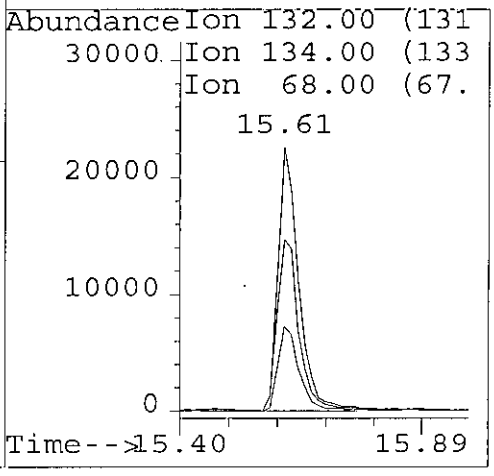


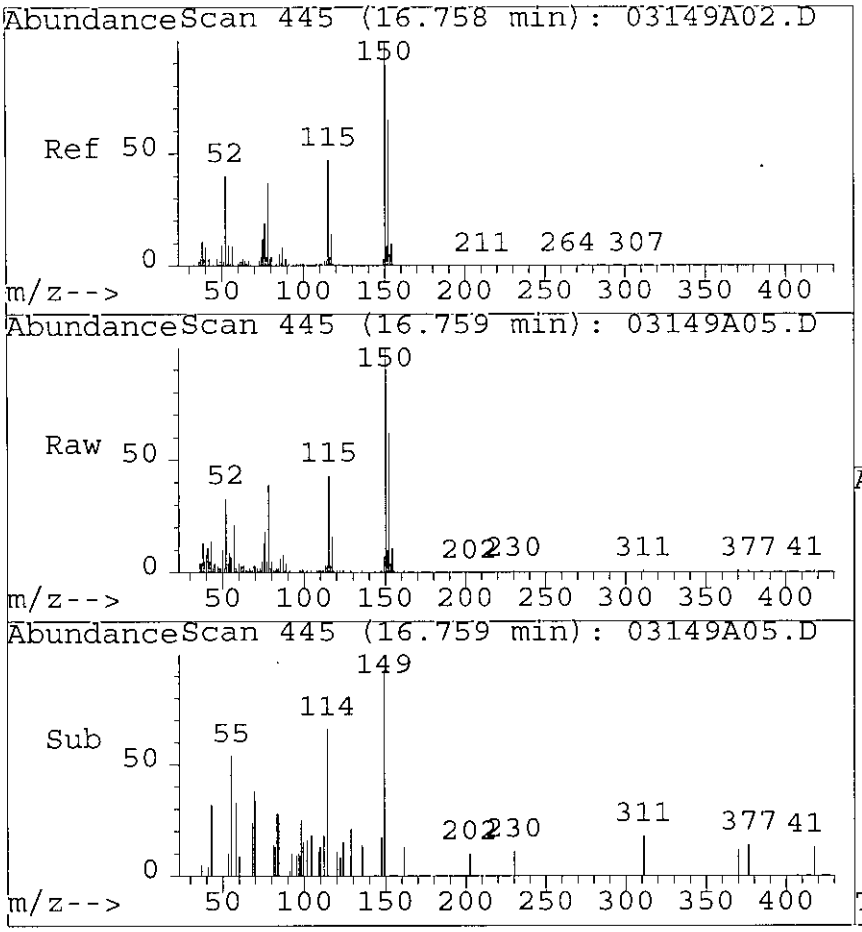


#5
2-CHLOROPHENOL-D4
Concen: 70.86 ug/ml
RT: 15.61 min Scan# 363
Delta R.T. -0.01 min
Lab File: 03149a05.d
Acq: 14 Mar 99 2:17 pm

Tgt Ion:132 Resp: 65870

Ion	Ratio	Lower	Upper
132	100		
134	32.2	24.0	35.9
68	65.2	40.0	59.9#
0	0.0	0.0	0.0

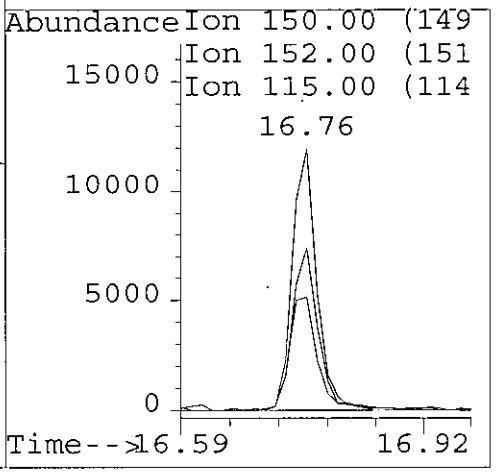


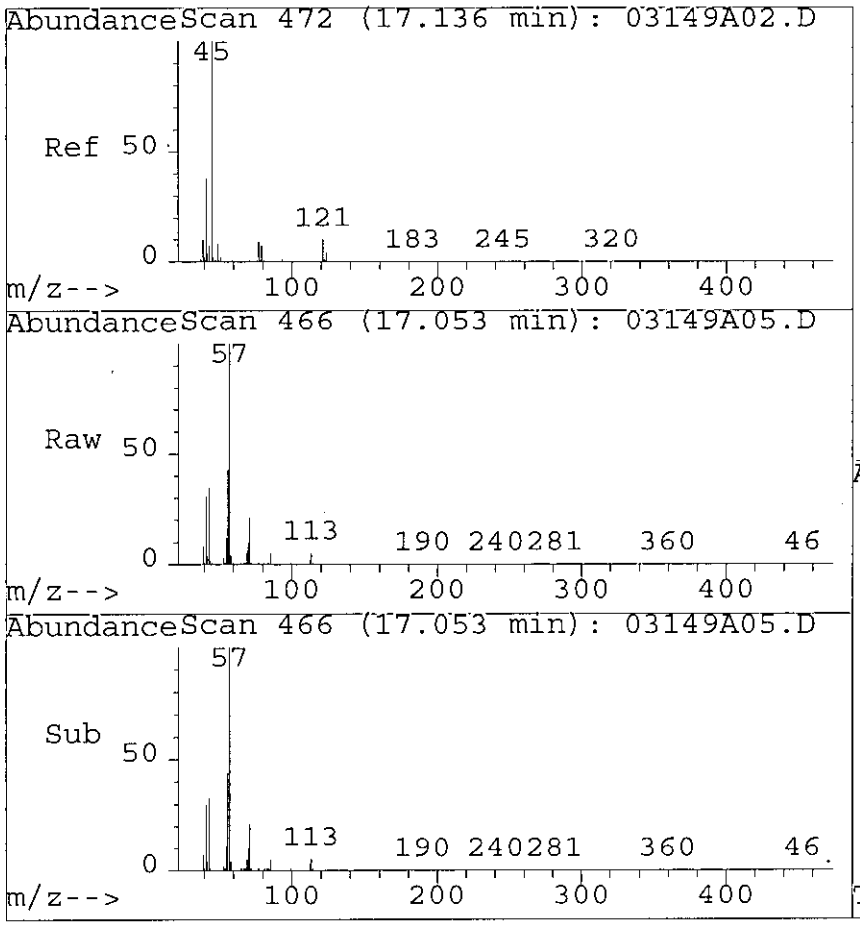


#12
1,2-DICHLOROBENZENE-D4
Concen: 25.55 ug/ml
RT: 16.76 min Scan# 445
Delta R.T. 0.00 min
Lab File: 03149a05.d
Acq: 14 Mar 99 2:17 pm

Tgt Ion:150 Resp: 27186

Ion	Ratio	Lower	Upper
150	100		
152	62.0	52.2	78.3
115	43.2	37.8	56.7
0	0.0	0.0	0.0

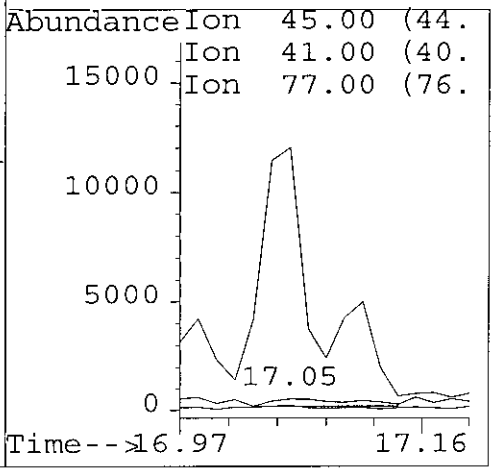


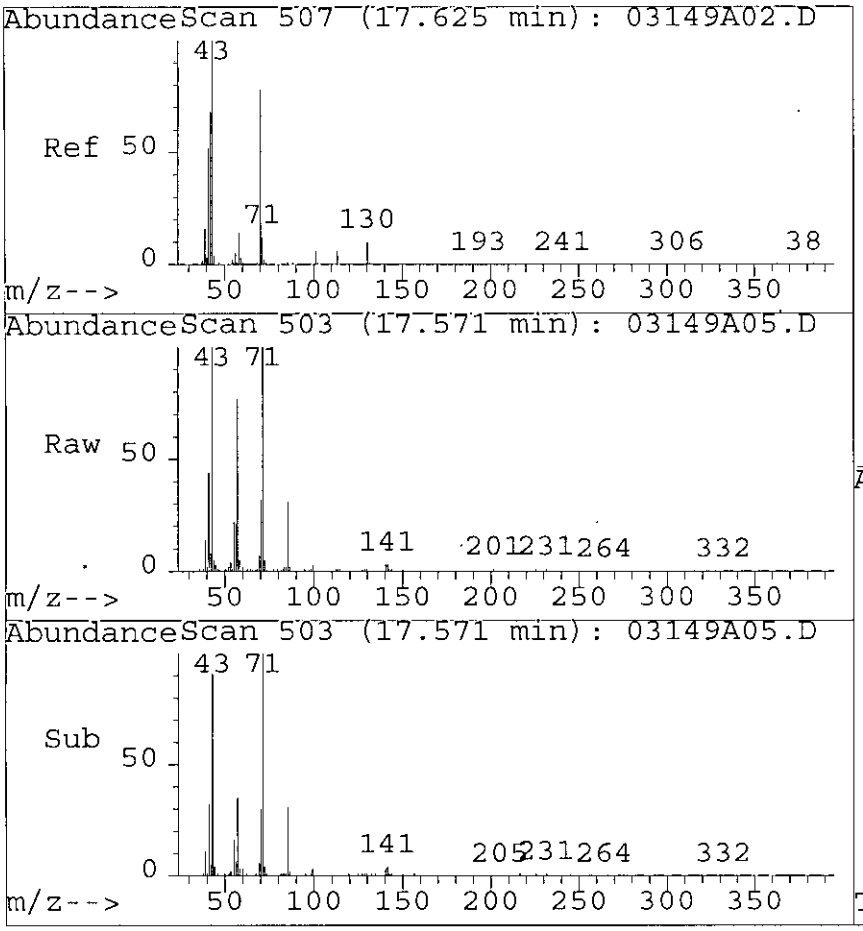


#15
BIS(2-CHLOROISOPROPYL)ETHER
Concen: 0.69 ug/ml
RT: 17.05 min Scan# 466
Delta R.T. -0.08 min
Lab File: 03149a05.d
Acq: 14 Mar 99 2:17 pm

Tgt Ion:45 Resp: 1516

Ion	Ratio	Lower	Upper
45	100		
41	2312.1	28.4	42.5#
77	43.0	9.9	14.8#
0	0.0	0.0	0.0

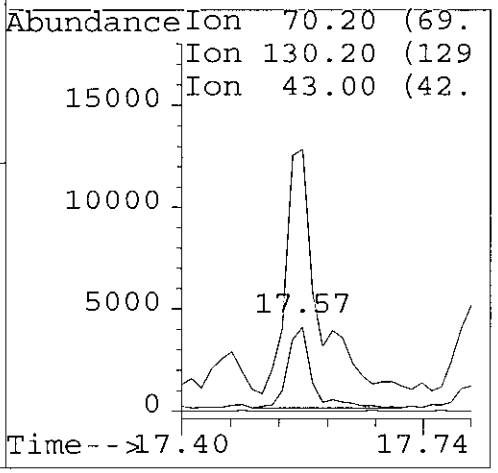


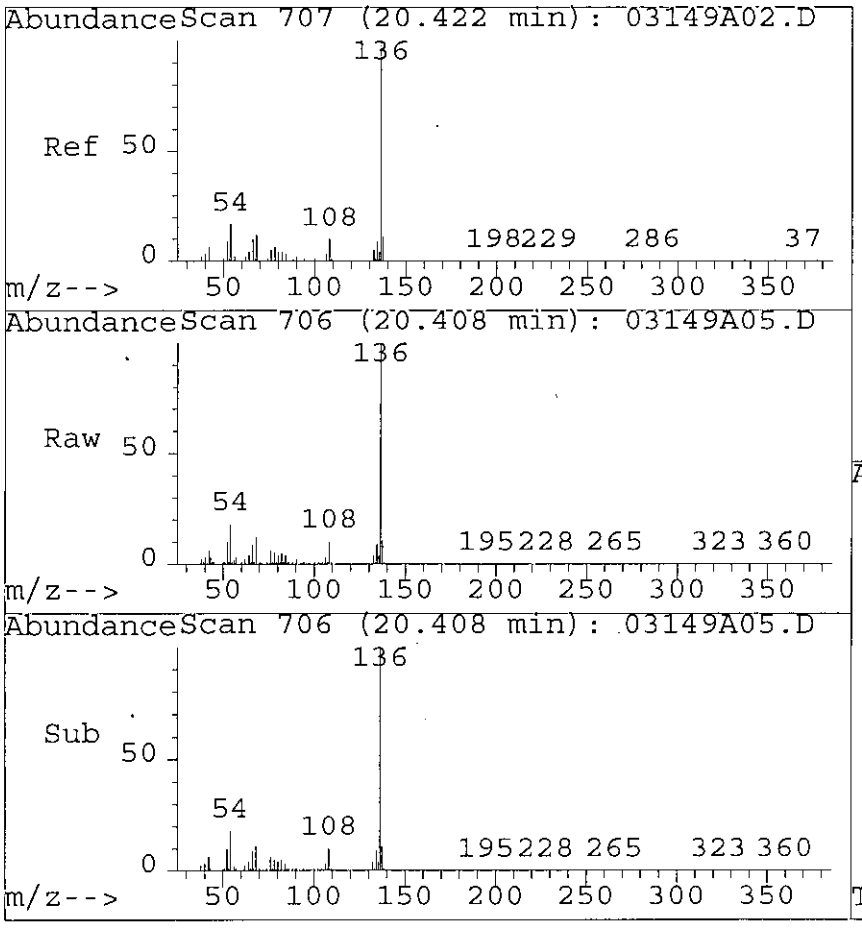


#17
N-NITROSODIPROPYLAMINE
Concen: 8.25 ug/ml
RT: 17.57 min Scan# 503
Delta R.T. -0.05 min
Lab File: 03149a05.d
Acq: 14 Mar 99 2:17 pm

Tgt Ion:70.2 Resp: 9412

Ion	Ratio	Lower	Upper
70	100		
130	0.0	13.0	19.5#
43	312.8	73.0	109.5#
0	0.0	0.0	0.0

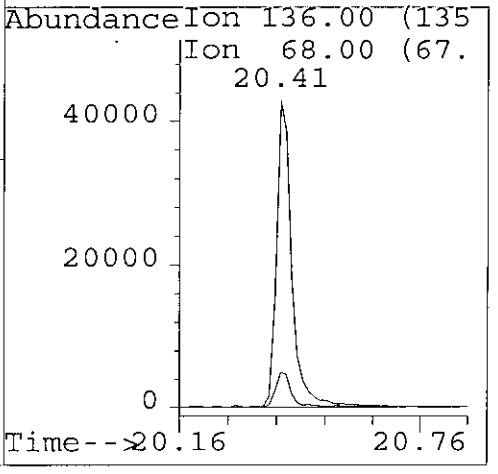


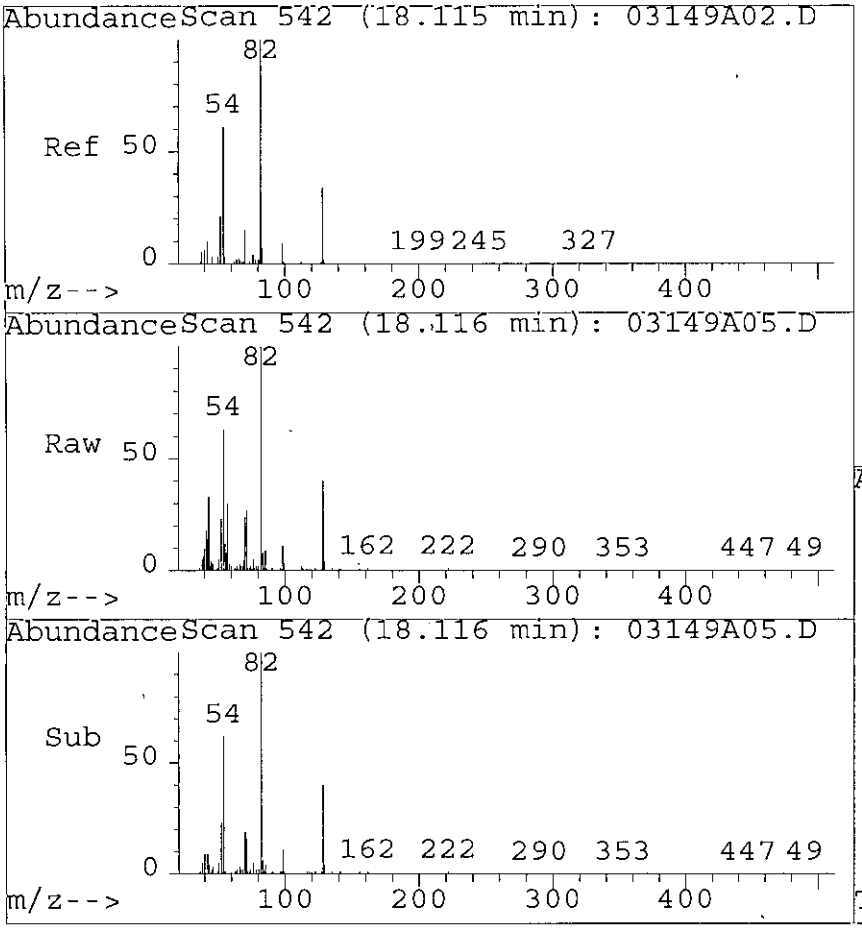


#19
NAPHTHALENE-D8
Concen: 40.00 ug/ml
RT: 20.41 min Scan# 706
Delta R.T. -0.01 min
Lab File: 03149a05.d
Acq: 14 Mar 99 2:17 pm

Tgt Ion:136 Resp: 115728

Ion	Ratio	Lower	Upper
136	100		
68	11.6	6.0	8.9#
0	0.0	0.0	0.0
0	0.0	0.0	0.0

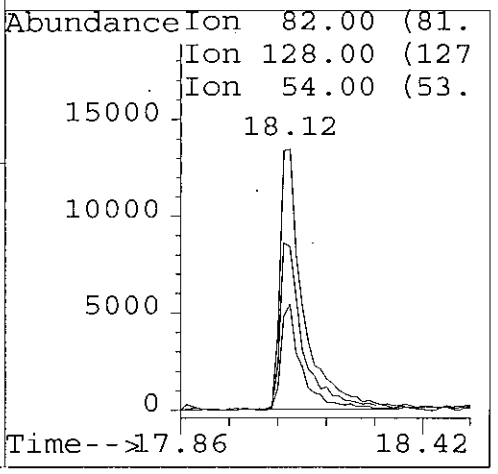


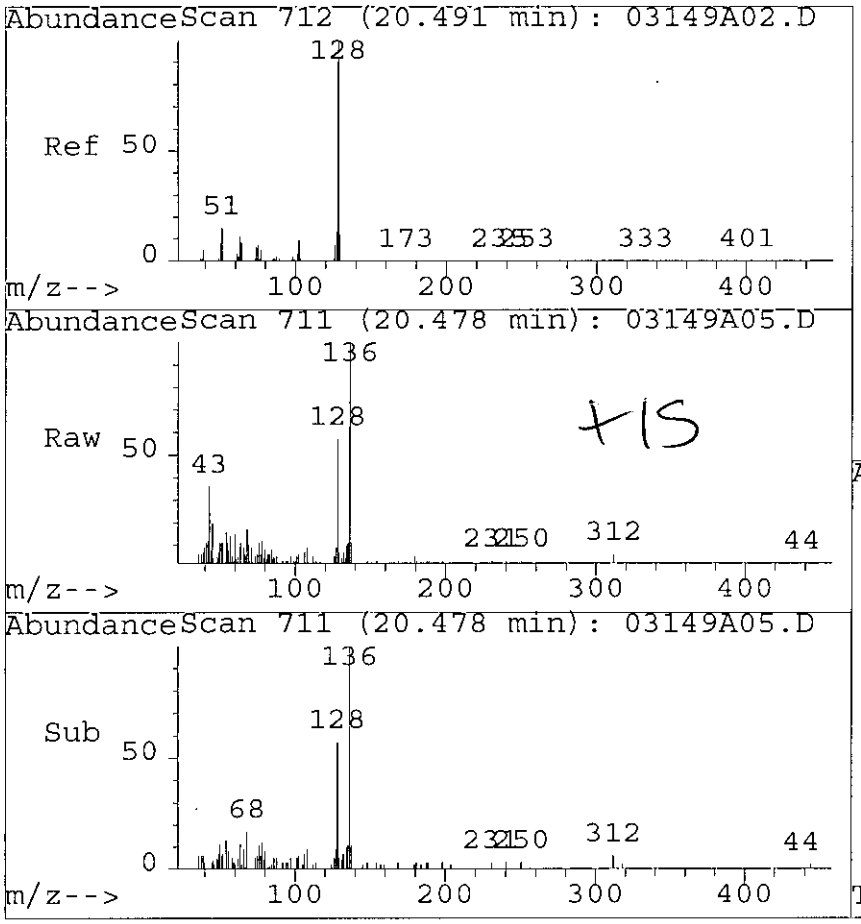


#20
NITROBENZENE-D5
Concen: 28.33 ug/ml
RT: 18.12 min Scan# 542
Delta R.T. 0.00 min
Lab File: 03149a05.d
Acq: 14 Mar 99 2:17 pm

Tgt Ion:82 Resp: 50453

Ion	Ratio	Lower	Upper
82	100		
128	40.4	34.4	51.5
54	62.7	42.9	64.4
0	0.0	0.0	0.0

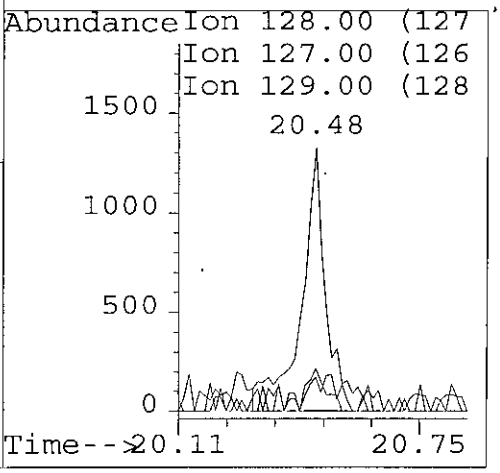


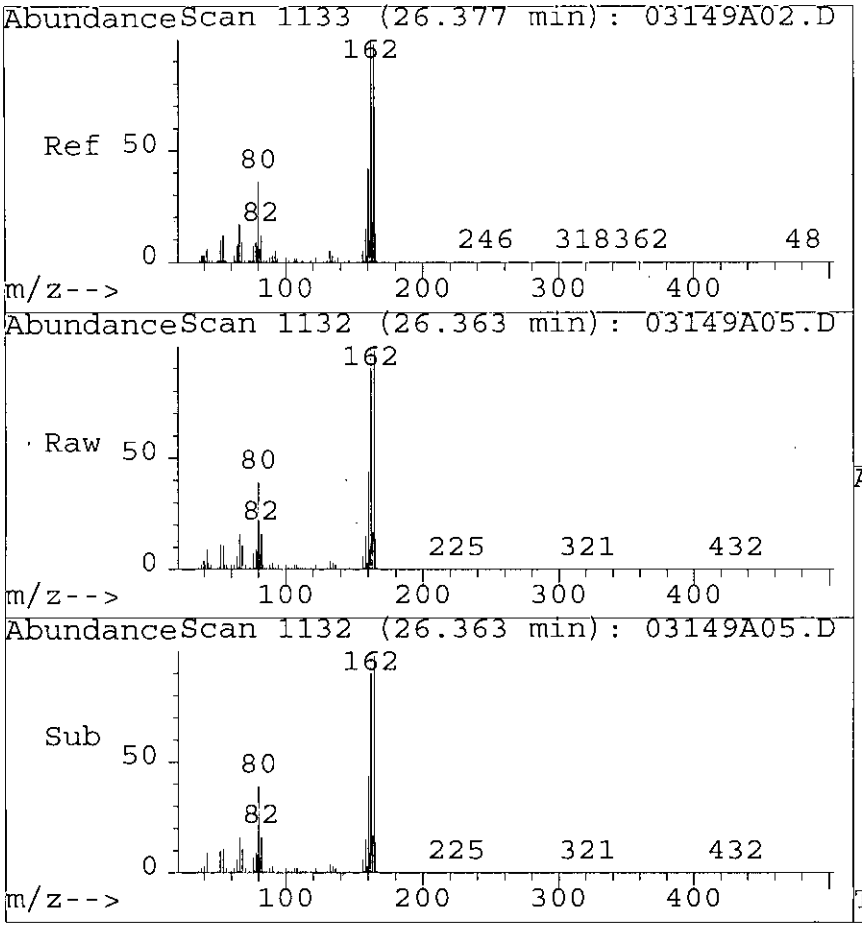


#29
NAPHTHALENE
Concen: 2.12 ug/ml
RT: 20.48 min Scan# 711
Delta R.T. -0.01 min
Lab File: 03149a05.d
Acq: 14 Mar 99 2:17 pm

Tgt Ion:128 Resp: 6505

Ion	Ratio	Lower	Upper
128	100		
127	16.3	10.7	16.0#
129	13.0	8.7	13.0#
0	0.0	0.0	0.0

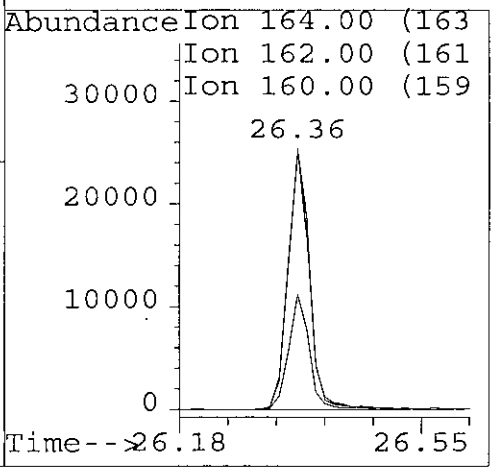


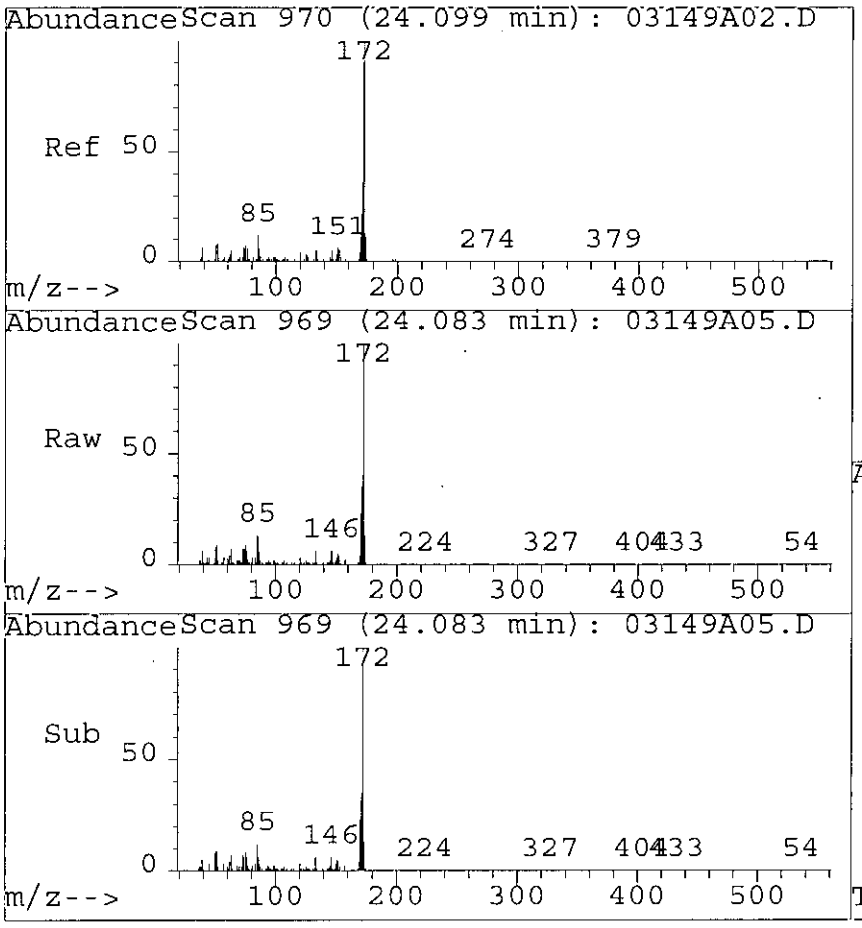


#34
ACENAPHTHENE-D10
Concen: 40.00 ug/ml
RT: 26.36 min Scan# 1132
Delta R.T. -0.01 min
Lab File: 03149a05.d
Acq: 14 Mar 99 2:17 pm

Tgt Ion:164 Resp: 55818

Ion	Ratio	Lower	Upper
164	100		
162	101.5	82.3	123.4
160	44.7	33.6	50.3
0	0.0	0.0	0.0

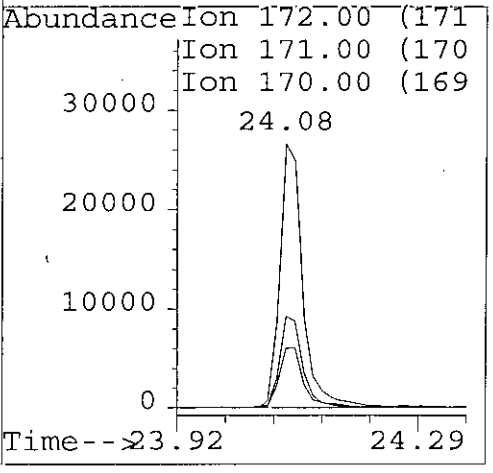


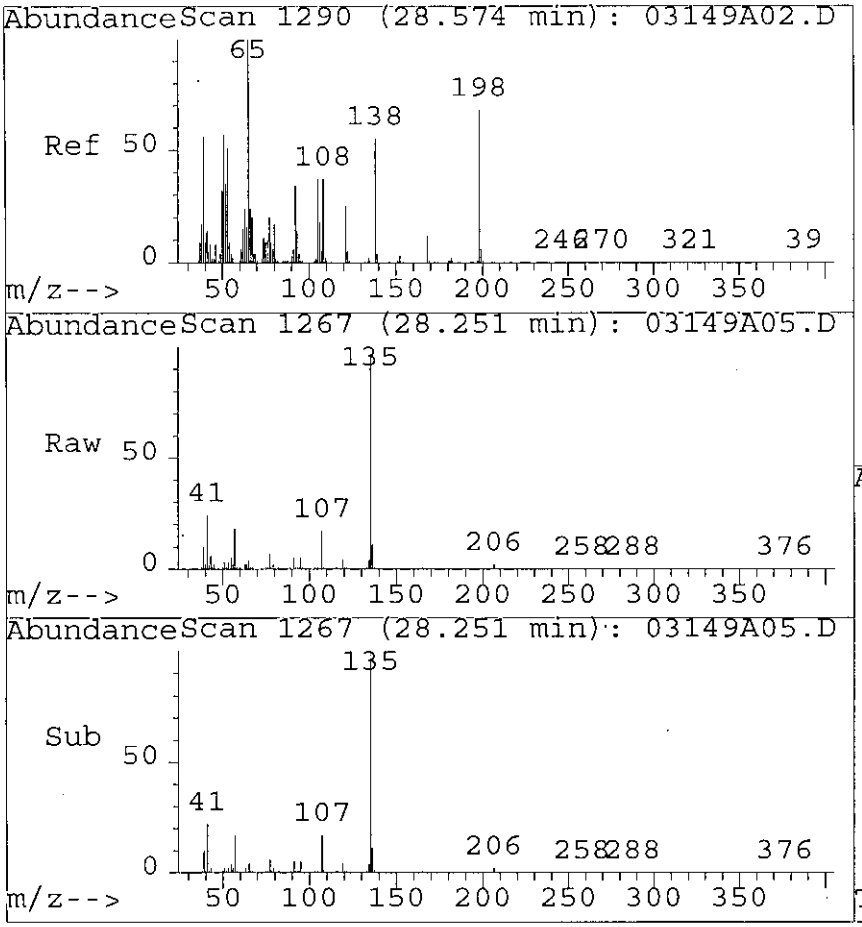


#38
FLUOROBIPHENYL
Concen: 36.06 ug/ml
RT: 24.08 min Scan# 969
Delta R.T. -0.02 min
Lab File: 03149a05.d
Acq: 14 Mar 99 2:17 pm

Tgt Ion:172 Resp: 65952

Ion	Ratio	Lower	Upper
172	100		
171	34.9	30.5	45.8
170	22.8	18.4	27.5
0	0.0	0.0	0.0

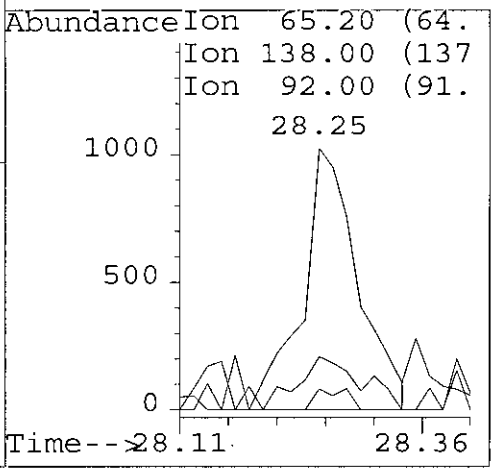


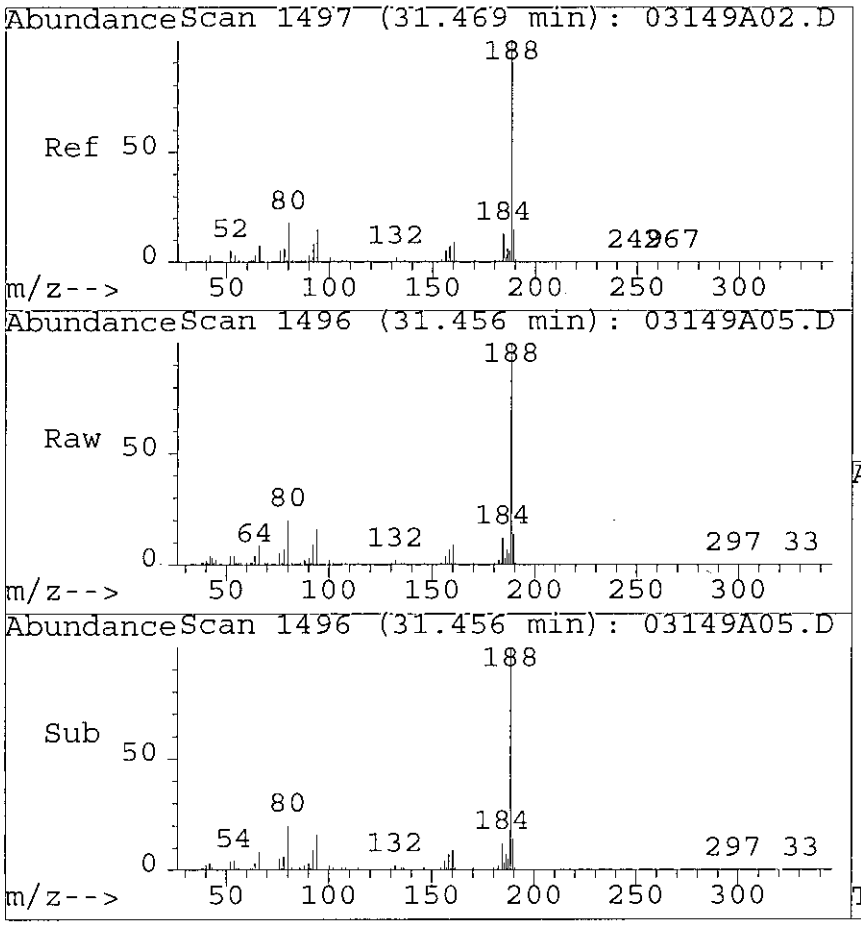


#53
4-NITROANILINE
Concen: 4.13 ug/ml
RT: 28.25 min Scan# 1267
Delta R.T. -0.32 min
Lab File: 03149a05.d
Acq: 14 Mar 99 2:17 pm

Tgt Ion:65.2 Resp: 3975

Ion	Ratio	Lower	Upper
65	100		
138	8.0	51.6	77.3#
92	20.3	29.3	44.0#
0	0.0	0.0	0.0

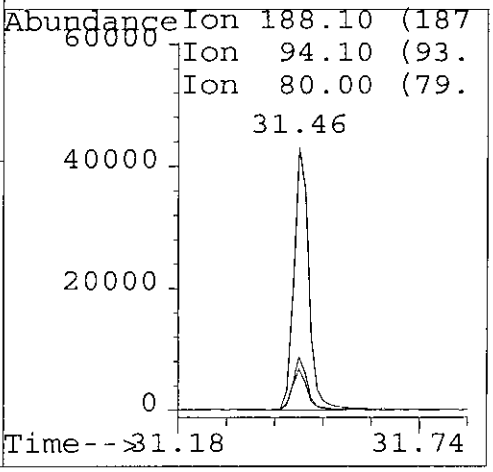


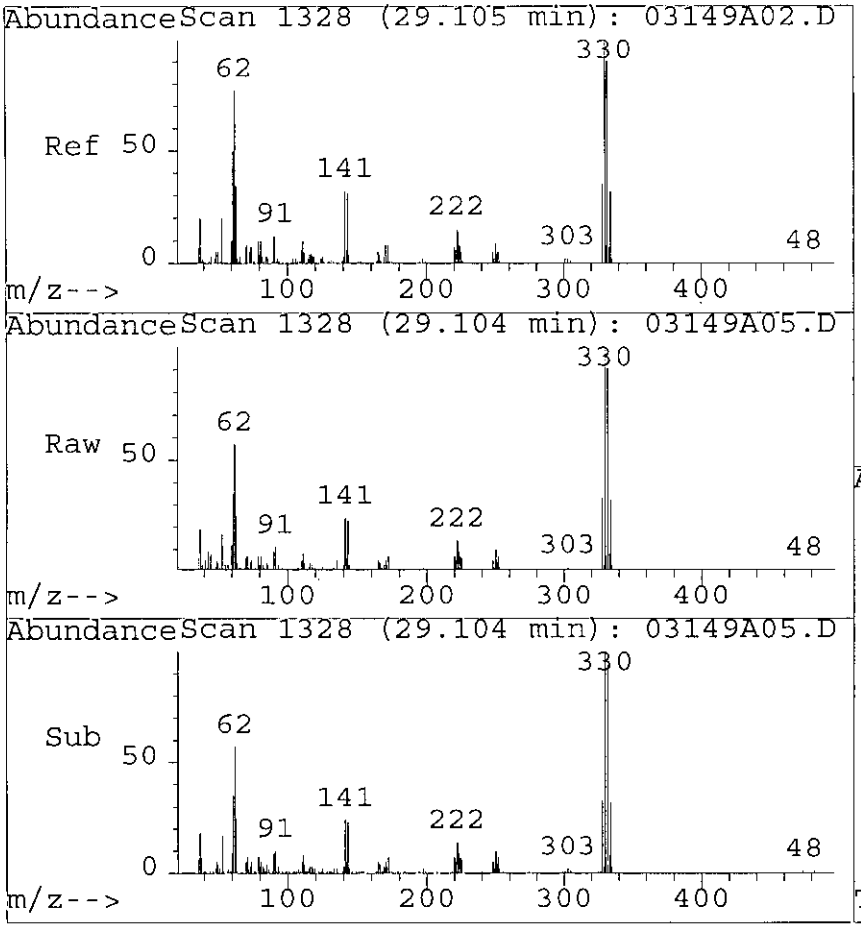


#54
PHENANTHRENE-D10
Concen: 40.00 ug/ml
RT: 31.46 min Scan# 1496
Delta R.T. -0.01 min
Lab File: 03149a05.d
Acq: 14 Mar 99 2:17 pm

Tgt Ion:188.1 Resp: 103754

Ion	Ratio	Lower	Upper
188	100		
94	15.9	11.6	17.3
80	20.2	13.7	20.5
0	0.0	0.0	0.0

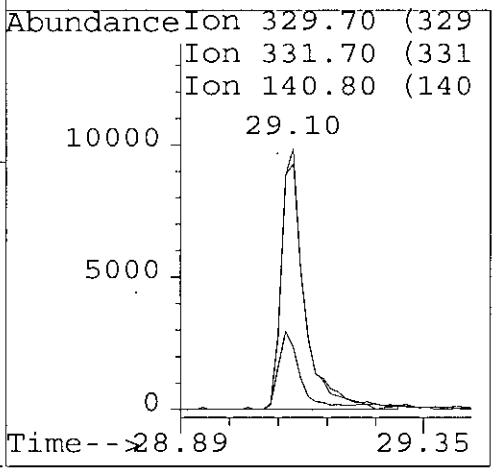


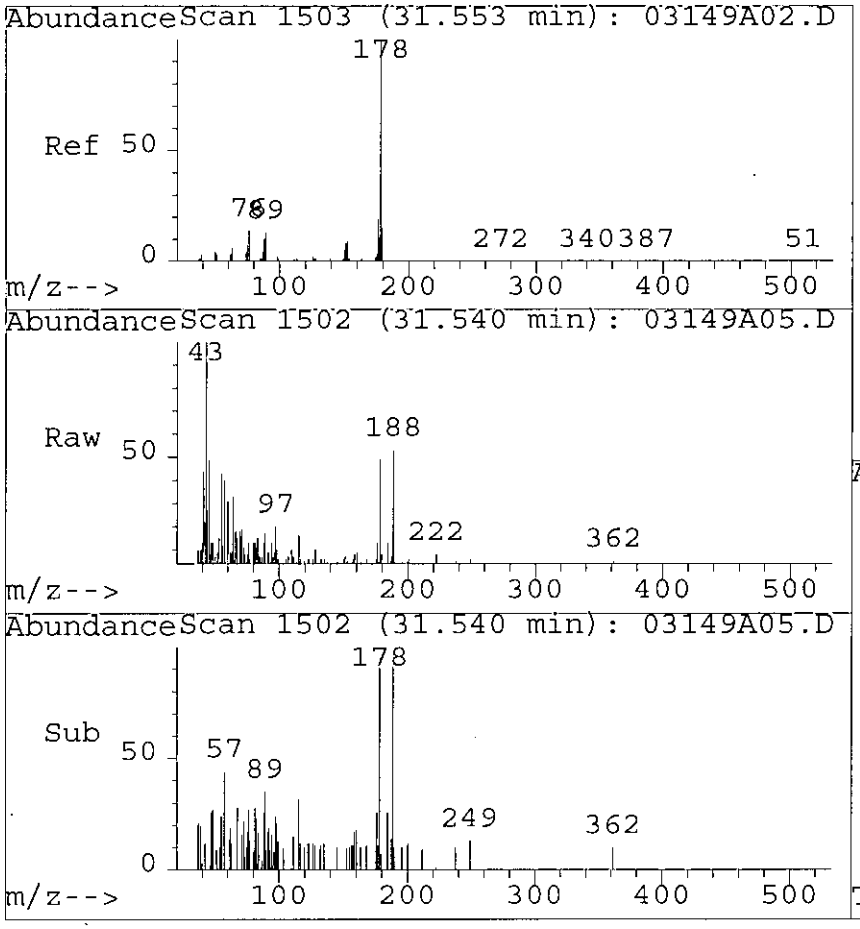


#58
2,4,6-TRIBROMOPHENOL
Concen: 70.24 ug/ml
RT: 29.10 min Scan# 1328
Delta R.T. -0.00 min
Lab File: 03149a05.d
Acq: 14 Mar 99 2:17 pm

Tgt Ion:329.7 Resp: 29832

Ion	Ratio	Lower	Upper
330	100		
332	94.2	69.7	104.5
141	24.2	30.9	46.4#
0	0.0	0.0	0.0

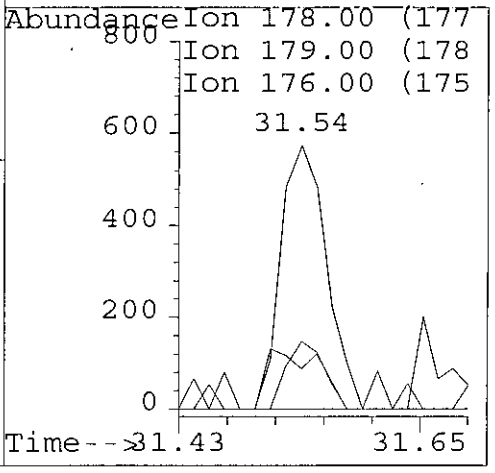


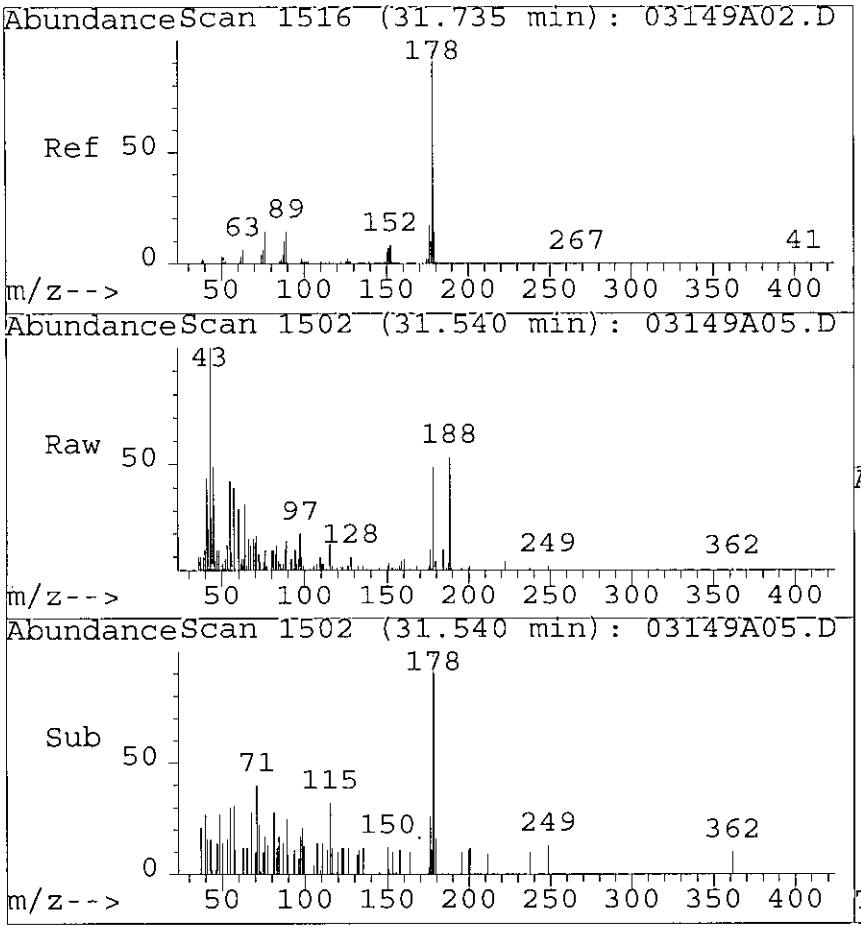


#65
PHENANTHRENE
Concen: 0.66 ug/ml
RT: 31.54 min Scan# 1502
Delta R.T. -0.01 min
Lab File: 03149a05.d
Acq: 14 Mar 99 2:17 pm

Tgt Ion:178 Resp: 1733

Ion	Ratio	Lower	Upper
178	100		
179	15.5	11.5	17.2
176	25.8	15.3	23.0#
0	0.0	0.0	0.0

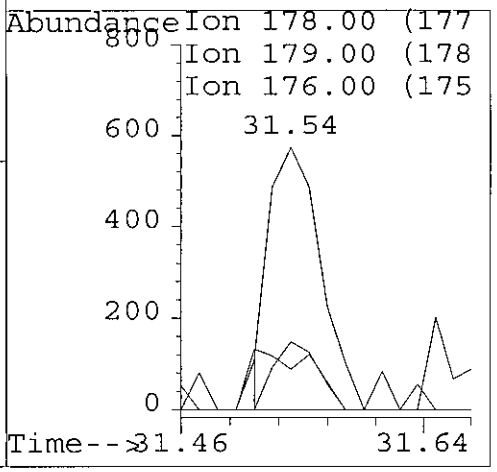


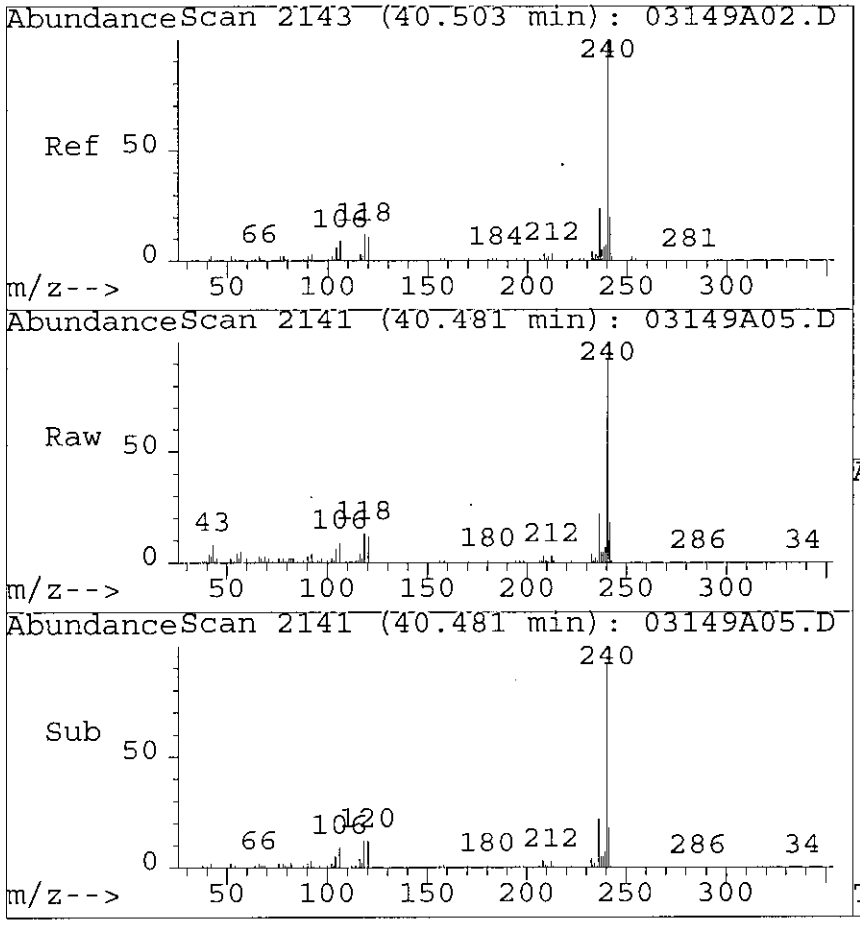


#66
ANTHRACENE
Concen: 0.61 ug/ml
RT: 31.54 min Scan# 1502
Delta R.T. -0.20 min
Lab File: 03149a05.d
Acq: 14 Mar 99 2:17 pm

Tgt Ion:178 Resp: 1642

Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.3	18.4
176	25.8	14.6	21.9#
0	0.0	0.0	0.0

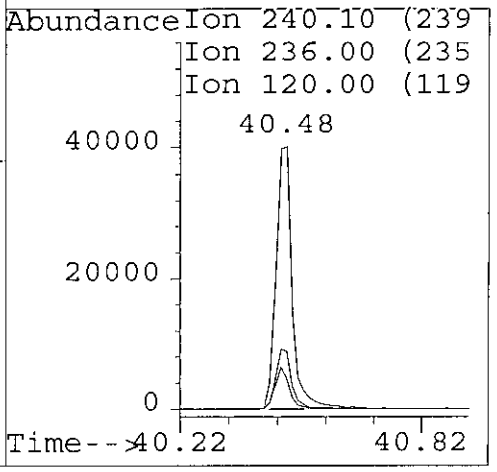


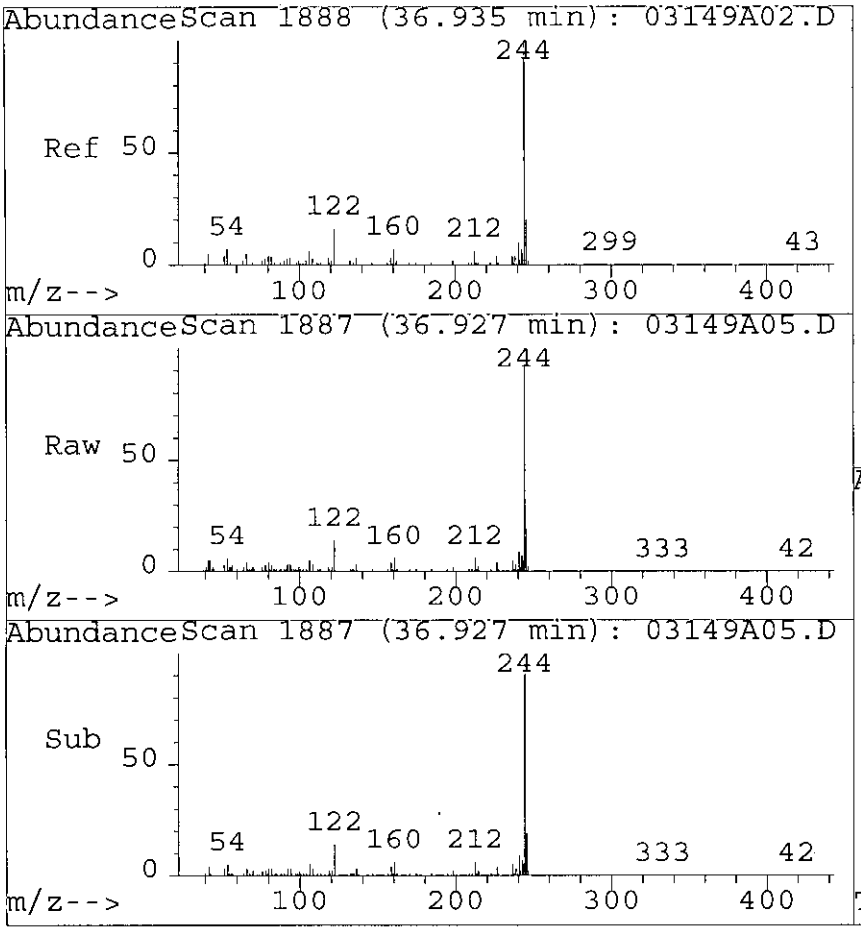


#74
CHRYSENE-D12
Concen: 40.00 ug/ml
RT: 40.48 min Scan# 2141
Delta R.T. -0.02 min
Lab File: 03149a05.d
Acq: 14 Mar 99 2:17 pm

Tgt Ion:240.1 Resp: 112095

Ion	Ratio	Lower	Upper
240	100		
236	22.3	20.6	30.9
120	11.9	17.5	26.2#
0	0.0	0.0	0.0

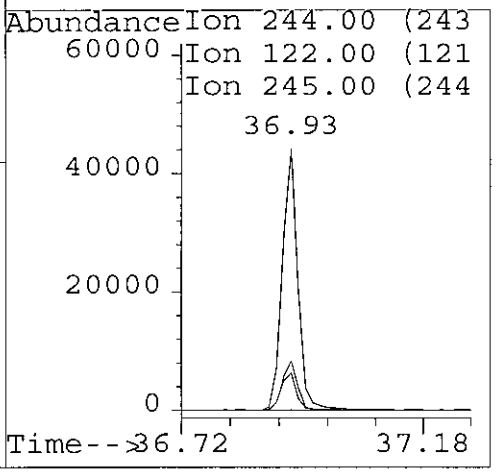


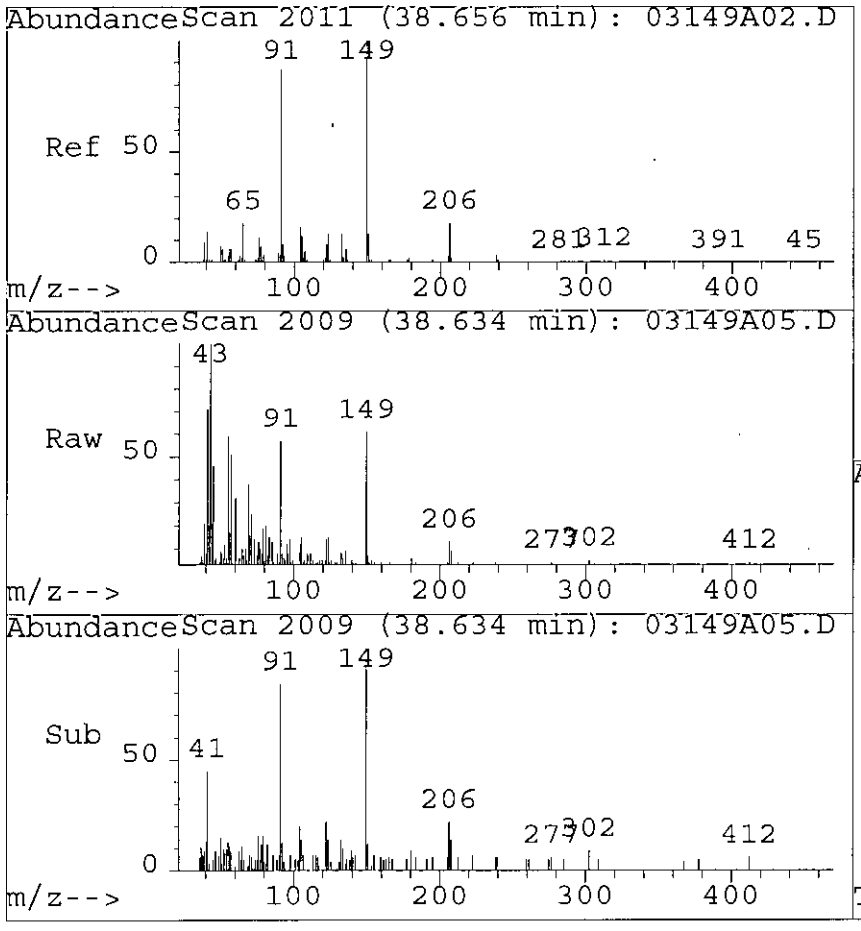


#78
P-TERPHENYL-D14
Concen: 33.61 ug/ml
RT: 36.93 min Scan# 1887
Delta R.T. -0.01 min
Lab File: 03149a05.d
Acq: 14 Mar 99 2:17 pm

Tgt Ion:244 Resp: 92606

Ion	Ratio	Lower	Upper
244	100		
122	14.3	15.3	23.0#
245	18.9	15.6	23.3
0	0.0	0.0	0.0

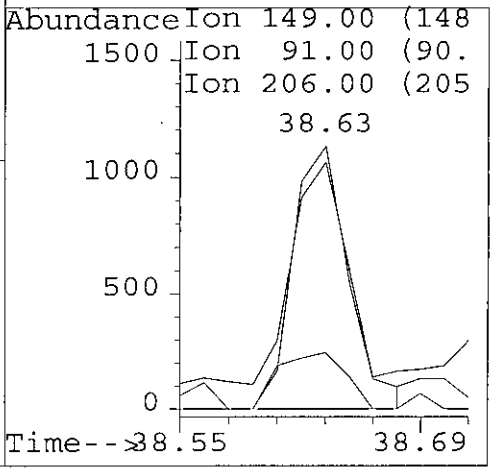


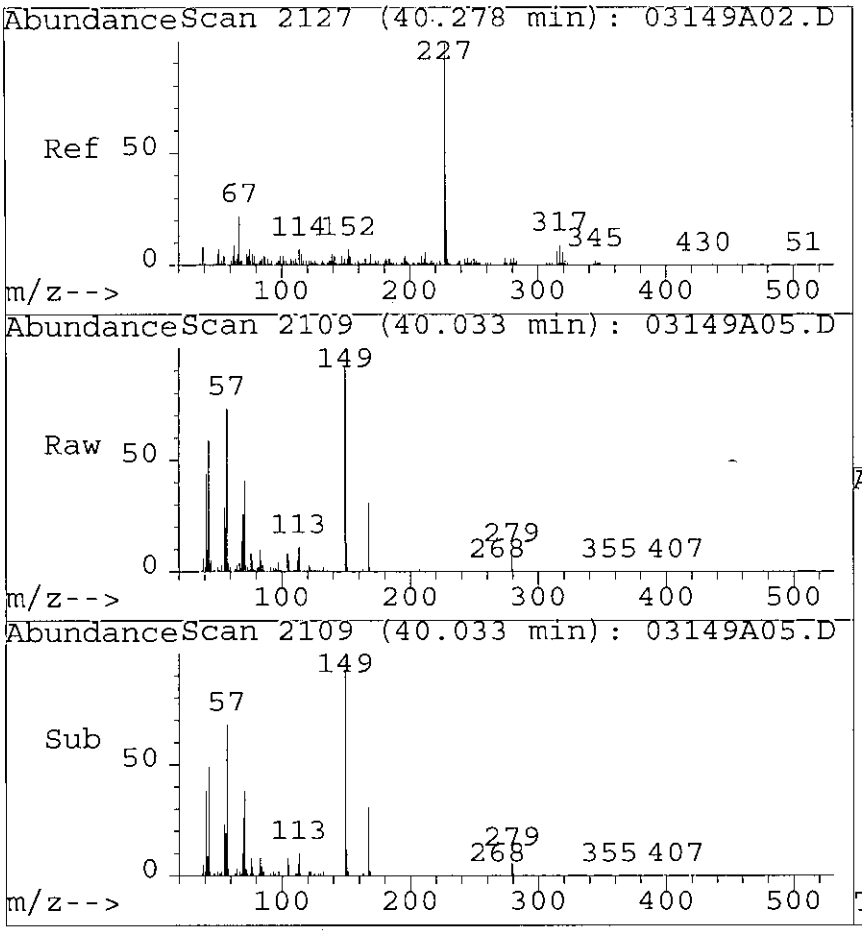


#83
BUTYLBENZYLPHTHALATE
Concen: 1.36 ug/ml
RT: 38.63 min Scan# 2009
Delta R.T. -0.02 min
Lab File: 03149a05.d
Acq: 14 Mar 99 2:17 pm

Tgt Ion:149 Resp: 2562

Ion	Ratio	Lower	Upper
149	100		
91	94.2	65.3	97.8
206	21.8	11.5	17.2#
0	0.0	0.0	0.0

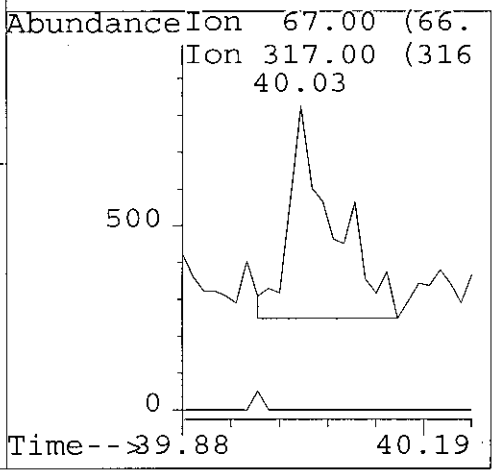


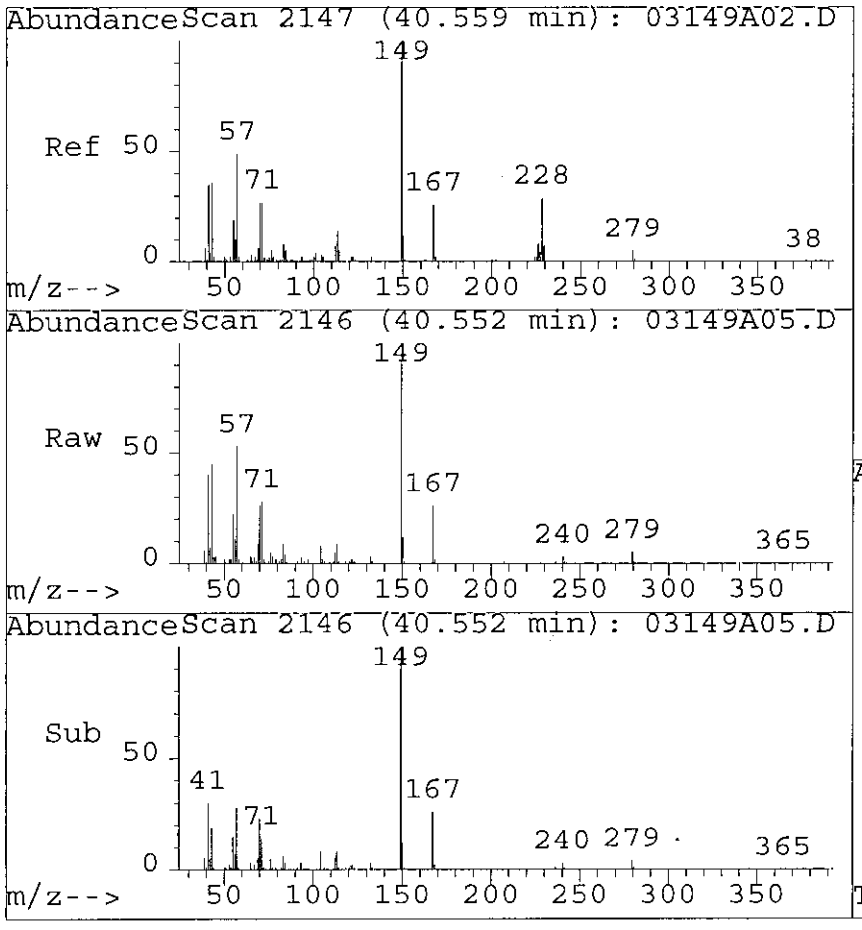


#87
ENDRIN KETONE
Concen: 4.93 ug/ml
RT: 40.03 min Scan# 2109
Delta R.T. -0.24 min
Lab File: 03149a05.d
Acq: 14 Mar 99 2:17 pm

Tgt Ion:67 Resp: 2324

Ion	Ratio	Lower	Upper
67	100		
317	0.0	17.7	26.6#
0	0.0	0.0	0.0
0	0.0	0.0	0.0

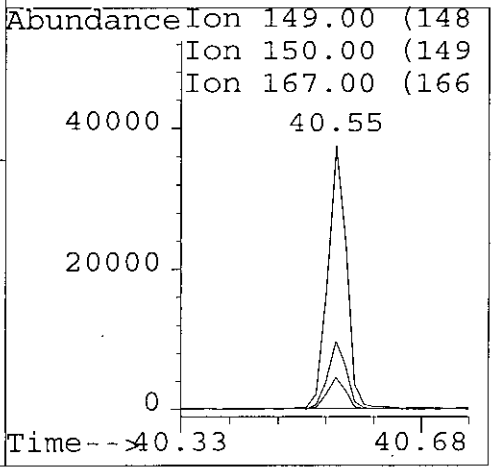


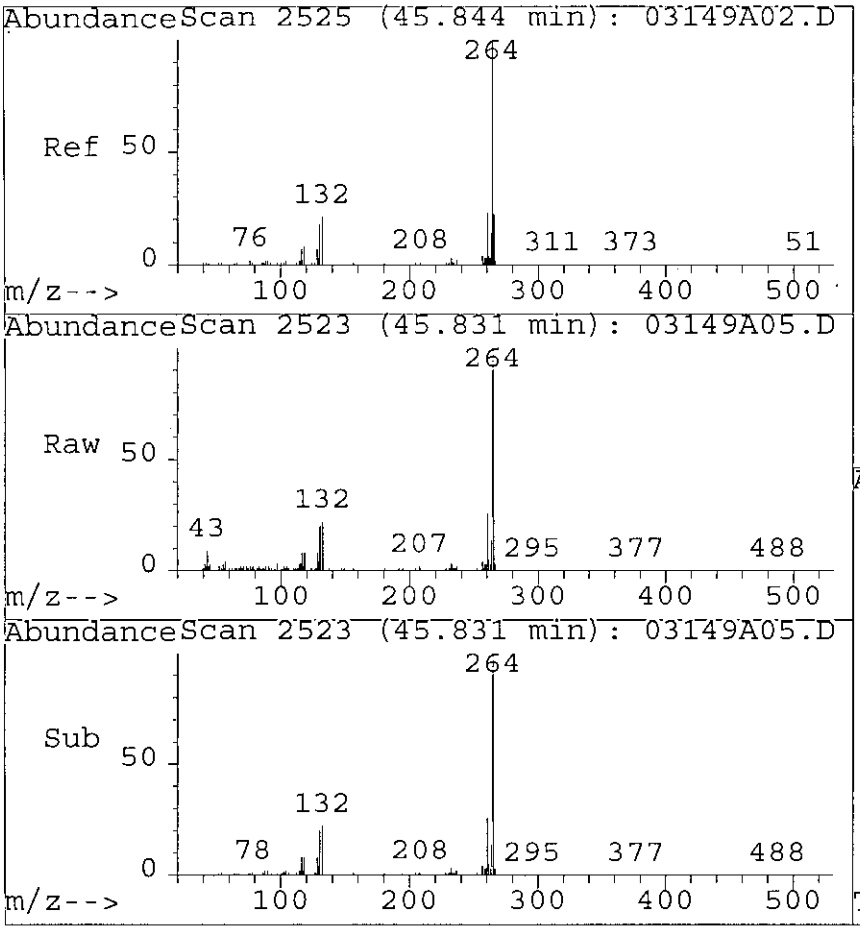


#91
BIS(2-ETHYLHEXYL)PHTHALATE
Concen: 27.12 ug/ml
RT: 40.55 min Scan# 2146
Delta R.T. -0.01 min
Lab File: 03149a05.d
Acq: 14 Mar 99 2:17 pm

Tgt Ion:149 Resp: 71392

Ion	Ratio	Lower	Upper
149	100		
150	12.2	9.5	14.2
167	26.2	20.5	30.7
0	0.0	0.0	0.0

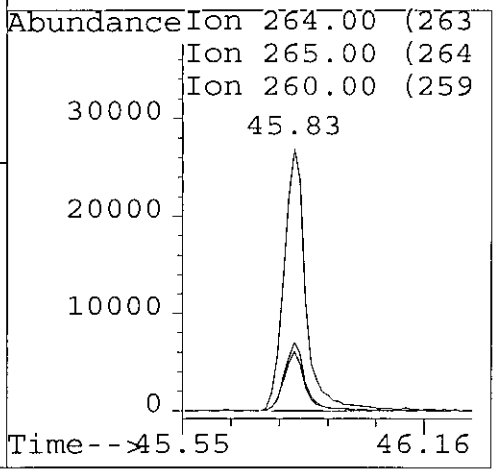


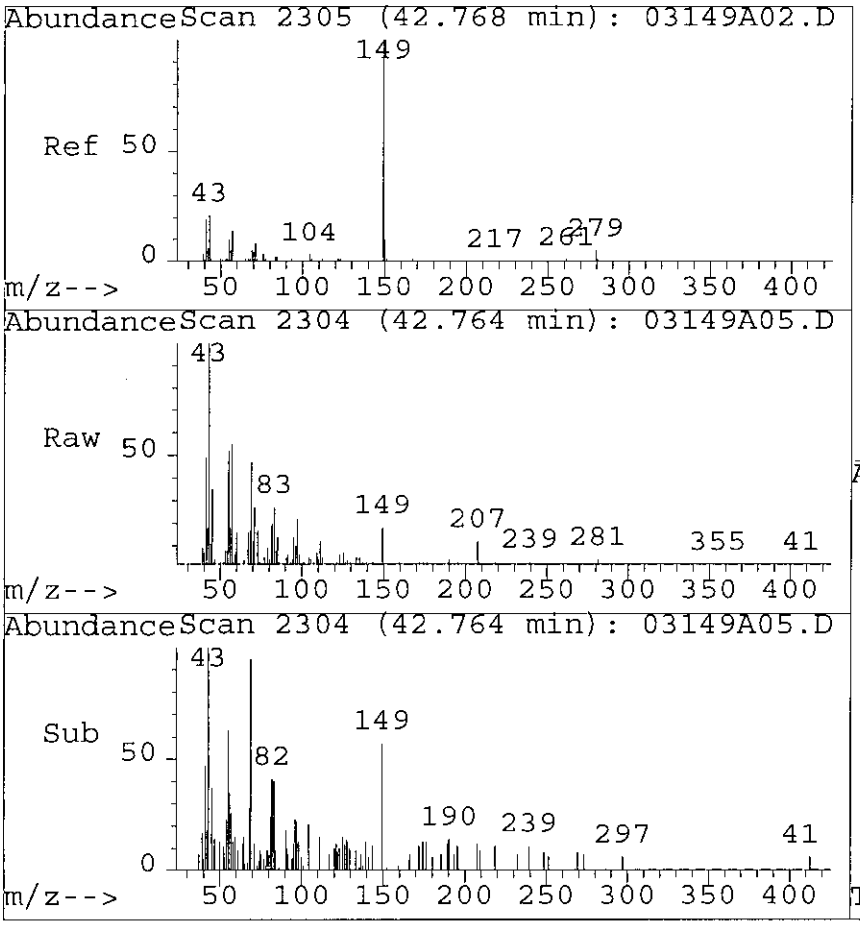


#92
PERYLENE-D12
Concen: 40.00 ug/ml
RT: 45.83 min Scan# 2523
Delta R.T. -0.01 min
Lab File: 03149a05.d
Acq: 14 Mar 99 2:17 pm

Tgt Ion:264 Resp: 103356

Ion	Ratio	Lower	Upper
264	100		
265	22.6	17.1	25.6
260	26.1	19.3	28.9
0	0.0	0.0	0.0

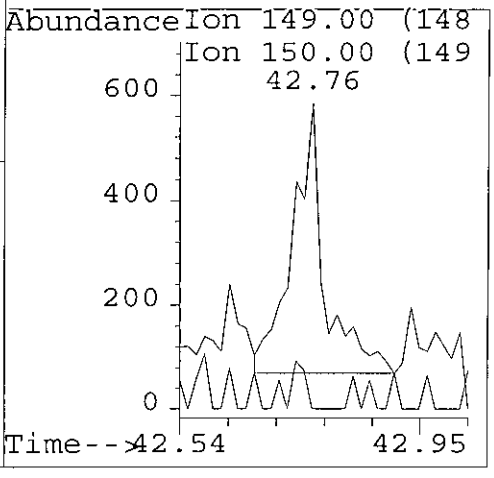




#93
DI-N-OCTYLPHTHALATE
Concen: 0.43 ug/ml
RT: 42.76 min Scan# 2304
Delta R.T. -0.00 min
Lab File: 03149a05.d
Acq: 14 Mar 99 2:17 pm

Tgt Ion:149 Resp: 1956

Ion	Ratio	Lower	Upper
149	100		
150	0.0	8.1	12.1#
0	0.0	0.0	0.0
0	0.0	0.0	0.0



TIC: 03149A05.D

67834

Peak#	Ret Time	Type	Width	Area	Start Time	End Time
1	11.395	rBV	0.335	688631 TIC	11.325	11.660
2	12.414	rBV	0.279	276948-S	12.372	12.651
3	13.768	rBV	0.154	16938	13.699	13.852
4	13.908	rVB	0.126	11548	13.852	13.978
5	14.048	rBV	0.098	11988	13.978	14.075
6	14.634	rBV	0.182	49212	14.508	14.690
7	15.025	rVB	0.126	98147	14.969	15.096
8	15.277	rBV	0.321	339314-S	15.109	15.431
9	15.612	rBV	0.168	319843-S	15.570	15.738
10	15.976	rBV	0.112	28405	15.934	16.046
11	16.088	rVB	0.070	11210	16.046	16.116
12	16.130	rBV	0.056	11563	16.116	16.172
13	16.256	rBV	0.168	378169-IS	16.186	16.354
14	16.438	rBV	0.112	68786	16.368	16.479
15	16.577	rBV	0.182	~~359009 TIC~~	16.479	16.662
16	16.759	rVB	0.168	164800-S	16.675	16.843
17	16.871	rVB	0.070	20301	16.843	16.913
18	16.983	rBV	0.098	72261	16.913	17.011
19	17.053	rBV	0.070	219105	17.011	17.081
20	17.109	rVB	0.140	83994	17.081	17.221
21	17.277	rBV	0.098	~~238805~~ TIC	17.221	17.319
22	17.347	rVB	0.098	44255	17.319	17.417
23	17.473	rVB	0.084	24586	17.417	17.501
24	17.571	rBV	0.098	151640	17.501	17.598
25	17.808	rBV	0.140	89156	17.725	17.864
26	17.920	rVB	0.098	36412	17.893	17.990
27	18.116	rBV	0.210	238142-S	17.990	18.200
28	18.214	rVV	0.056	23108	18.200	18.256
29	18.298	rVB	0.070	15672	18.270	18.340
30	18.521	rVB	0.098	42536	18.465	18.563
31	18.619	rVV	0.084	76114	18.563	18.647
32	18.675	rVB	0.070	42546	18.647	18.717
33	18.759	rVB	0.084	21043	18.717	18.801
34	18.871	rBV	0.126	32278	18.801	18.927
35	18.955	rVB	0.070	13656	18.927	18.996
36	19.066	rBV	0.126	15527	18.996	19.122
37	19.318	rBV	0.098	26402	19.262	19.360
38	19.402	rVB	0.056	15890	19.374	19.429
39	19.513	rBV	0.168	100185	19.429	19.597
40	19.625	rBV	0.056	35171	19.597	19.653
41	19.681	rVV	0.070	26286	19.653	19.723
42	19.765	rVB	0.112	27181	19.723	19.835
43	19.975	rVB	0.098	12010	19.933	20.030
44	20.408	rBV	0.210	286872-IS	20.352	20.561
45	20.617	rVB	0.112	10628	20.576	20.687
46	20.785	rBV	0.084	11237	20.743	20.827
47	21.833	rVB	0.112	12659	21.805	21.917
48	22.224	rVB	0.112	22420	22.168	22.280
49	22.951	rBV	0.168	14595	22.853	23.021
50	23.091	rVV	0.266	125132	23.021	23.286
51	23.384	rVV	0.168	25481	23.342	23.510
52	23.594	rVB	0.126	16019	23.510	23.636
53	24.083	rBV	0.196	230565-S	24.042	24.237
54	25.371	rBV	0.070	12823	25.343	25.413
55	25.469	rVB	0.098	15909	25.413	25.510

56	26.363	rBV	0.140	296888-IS	26.307	26.447
57	26.755	rVB	0.112	12016	26.699	26.810
58	27.481	rBV	0.126	13294	27.383	27.509
59	27.831	rVB	0.084	12838	27.789	27.873
60	27.915	rVB	0.112	10202	27.873	27.985
61	28.083	rBV	0.070	10209	28.041	28.111
62	28.251	rBV	0.196	235714	28.209	28.405
63	28.657	rVB	0.098	14152	28.601	28.699
64	29.090	rBV	0.308	279925-S	29.034	29.342
65	29.525	rVB	0.126	19679	29.496	29.622
66	29.637	rBV	0.112	16742	29.622	29.734
67	29.832	rVV	0.126	50696	29.790	29.916
68	29.958	rVV	0.112	73038	29.916	30.028
69	30.084	rVV	0.168	71428	30.042	30.210
70	30.294	rVV	0.070	18395	30.266	30.336
71	30.462	rVV	0.154	38407	30.392	30.546
72	30.588	rVV	0.098	42486	30.546	30.644
73	30.742	rVB	0.112	21197	30.700	30.812
74	31.162	rBV	0.098	23112	31.120	31.218
75	31.456	rBV	0.210	302196-IS	31.399	31.610
76	31.749	rVV	0.112	21668	31.680	31.791
77	31.820	rVB	0.126	10188	31.791	31.917
78	32.659	rVB	0.224	46213	32.589	32.813
79	32.925	rVB	0.098	13531	32.883	32.981
80	33.428	rBV	0.140	39442	33.401	33.540
81	33.947	rBV	0.098	11723	33.891	33.988
82	35.387	rVB	0.112	15852	35.360	35.471
83	36.115	rBV	0.126	20901	36.059	36.185
84	36.549	rBV	0.140	19685	36.507	36.647
85	36.927	rVB	0.196	283510-S	36.857	37.053
86	37.766	rVB	0.098	28747	37.724	37.822
87	38.186	rVV	0.112	12794	38.158	38.270
88	38.312	rVB	0.098	26726	38.270	38.368
89	38.522	rVB	0.084	17877	38.494	38.578
90	38.634	rBV	0.084	18241-T	38.578	38.662
91	38.858	rBV	0.098	42083	38.802	38.900
92	38.928	rVB	0.084	25066	38.900	38.984
93	39.432	rBV	0.070	54828	39.390	39.459
94	39.502	rVV	0.098	45135	39.459	39.557
95	39.585	rVB	0.112	17039	39.557	39.669
96	40.033	rBV	0.210	262604 TIC	39.963	40.174
97	40.467	rBV	0.112	321938-IS	40.397	40.510
98	40.552	rVV	0.168	351776-T	40.510	40.678
99	40.734	rVB	0.084	14867	40.692	40.776
100	41.098	rBV	0.084	42168	41.042	41.126
101	41.588	rBV	0.126	127578	41.532	41.658
102	41.966	rBV	0.070	84237	41.938	42.008
103	42.036	rVV	0.126	76808	42.008	42.134
104	42.232	rVV	0.112	226855	42.176	42.288
105	42.330	rVB	0.140	57827	42.288	42.429
106	42.597	rBV	0.252	123583	42.442	42.695
107	42.737	rVB	0.140	60544	42.695	42.834
108	43.408	rVB	0.210	113622	43.324	43.534
109	43.702	rVB	0.182	34295	43.646	43.828
110	44.010	rBV	0.182	545724 TIC	43.940	44.122
111	44.753	rVB	0.210	876347 TIC	44.655	44.865
112	45.089	rVB	0.098	24858	45.033	45.130
113	45.425	rVB	0.126	81320	45.369	45.495
114	45.831	rVB	0.295	382337-IS	45.761	46.055

115	46.237	rVB	0.196	98070	46.139	46.335
116	47.119	rBV	0.308	1409575 TIC	46.979	47.287
117	48.057	rBV	0.280	1115206 TIC	47.917	48.197
118	48.546	rBV	0.126	52451	48.477	48.602
119	49.022	rBV	0.238	147179	48.952	49.191
120	49.358	rVB	0.168	49177	49.302	49.471
121	50.100	rVB	0.224	52463	50.002	50.226
122	50.380	rBV	0.140	23743	50.296	50.436
123	51.430	rVB	0.322	1660965 TIC	51.262	51.584
124	52.088	rVB	0.168	29382	52.046	52.214
125	52.634	rVB	0.182	122263	52.536	52.718
126	53.431	rBV	0.168	72260	53.347	53.515
127	53.725	rVB	0.252	107851	53.613	53.865
128	54.145	rBV	0.238	149888	54.033	54.272
129	54.636	rBV	0.182	163095	54.510	54.692
130	55.210	rVB	0.196	58898	55.140	55.336
131	55.560	rBV	0.224	116074	55.434	55.658
132	56.078	rBV	0.294	169440	55.952	56.247
133	56.764	rBV	0.182	76240	56.666	56.849
134	56.905	rVB	0.196	54714	56.863	57.059
135	57.591	rBV	0.378	649488 TIC	57.423	57.801
136	58.179	rBV	0.154	37798	58.095	58.249
137	59.074	rBV	0.112	14223	58.977	59.089

Library Search Compound Report

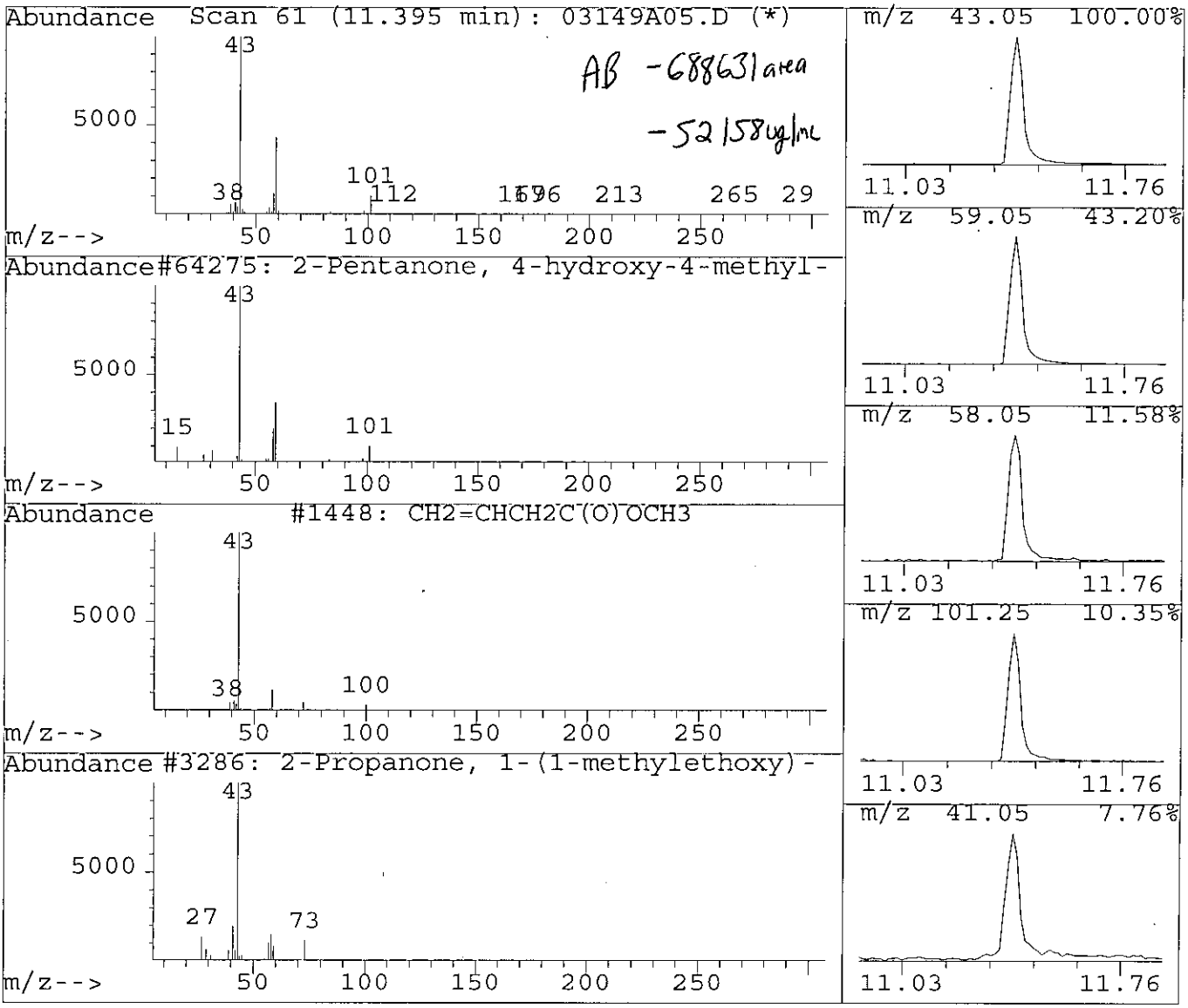
Data File : C:\HPCHEM\1\DATA\03149A05.D
Acq On : 14 Mar 99 2:17 pm
Sample : 67834
Misc : American Glue & Resin P#99187

Vial: 5
Operator: ESAT
Inst : 5988
Multiplr: 716.08

Method : C:\HPCHEM\1\METHODS\03149A01.M
Title : semivolatiles
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	R.T.
11.40	53523.40 ug/ml	706660	1,4-DICHLOROBENZENE-D4	16.27

Hit# of 20	Tentative ID	Ref#	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	64275	000123-42-2	50
2	CH2=CHCH2C(O)OCH3	1448	003724-55-8	12
3	2-Propanone, 1-(1-methylethoxy)-	3286	042781-12-4	9
4	2-Hexanone	63387	000591-78-6	9
5	Butane	62336	000106-97-8	7



Library Search Compound Report

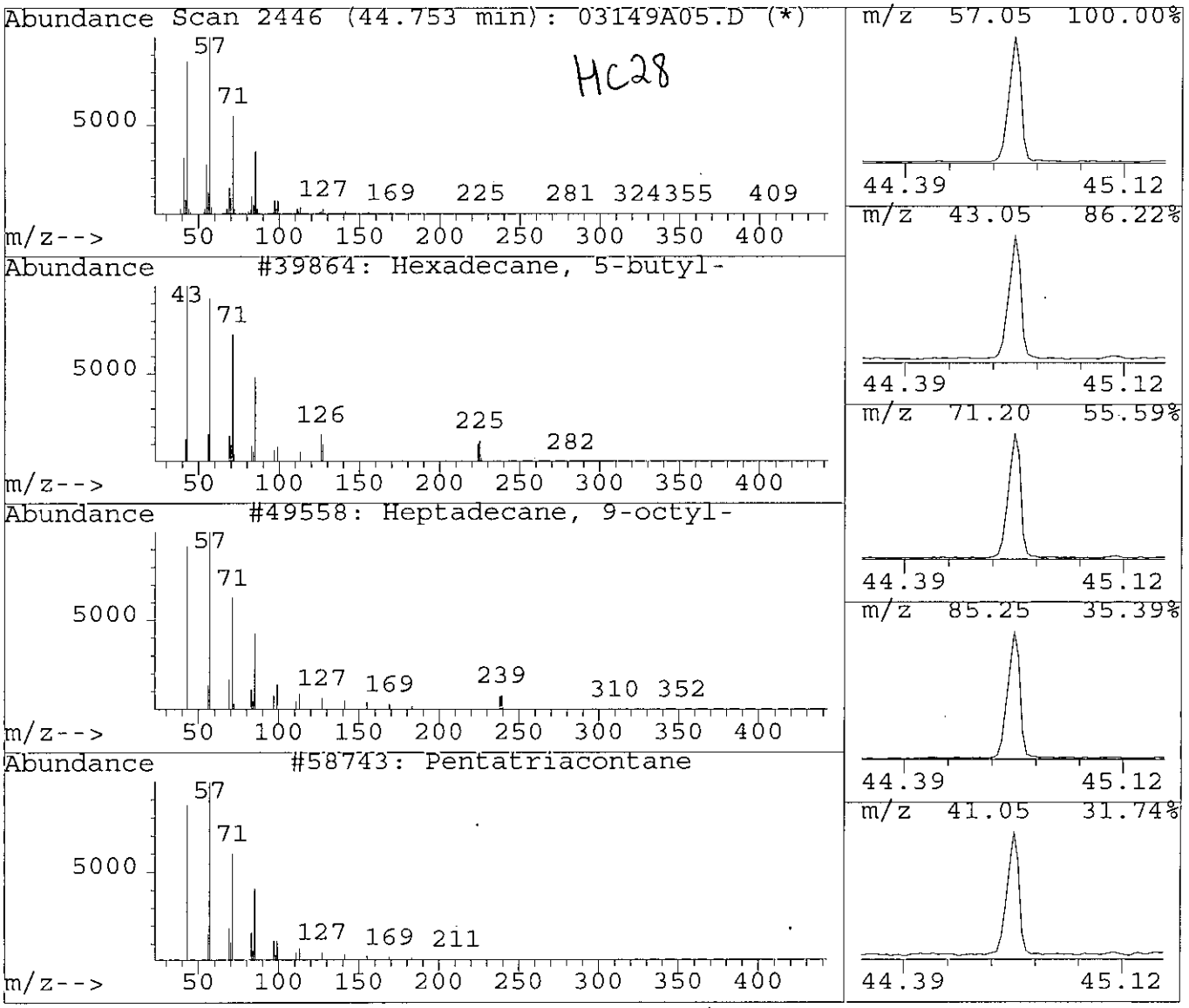
Data File : C:\HPCHEM\1\DATA\03149A05.D
Acq On : 14 Mar 99 2:17 pm
Sample : 67834
Misc : American Glue & Resin P#99187

Vial: 5
Operator: ESAT
Inst : 5988
Multiplr: 716.08

Method : C:\HPCHEM\1\METHODS\03149A01.M
Title : semivolatiles
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	R.T.
44.75	65652.14 ug/ml	876347	PERYLENE-D12	45.83

Hit# of 20	Tentative ID	Ref#	CAS#	Qual
1	Hexadecane, 5-butyl-	39864	006912-07-8	93
2	Heptadecane, 9-octyl-	49558	007225-64-1	93
3	Pentatriacontane	58743	000630-07-9	91
4	Eicosane	72323	000112-95-8	91
5	Dotriacontane	74491	000544-85-4	91



Library Search Compound Report

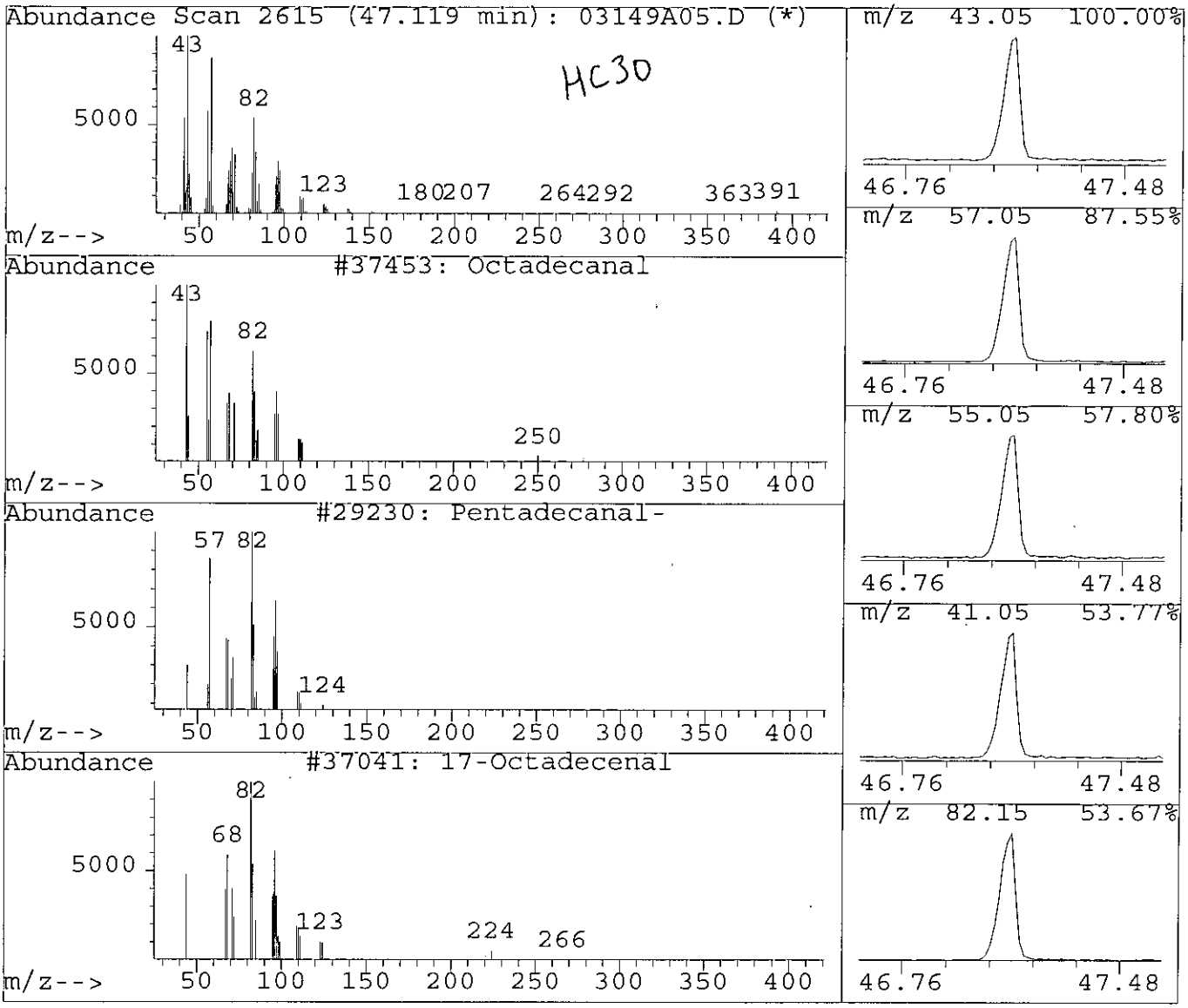
Data File : C:\HPCHEM\1\DATA\03149A05.D
Acq On : 14 Mar 99 2:17 pm
Sample : 67834
Misc : American Glue & Resin P#99187

Vial: 5
Operator: ESAT
Inst : 5988
Multiplr: 716.08

Method : C:\HPCHEM\1\METHODS\03149A01.M
Title : semivolatiles
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	R.T.
47.12	105599.28 ug/ml	1409575	PERYLENE-D12	45.83

Hit# of 20	Tentative ID	Ref#	CAS#	Qual
1	Octadecanal	37453	000638-66-4	86
2	Pentadecanal-	29230	002765-11-9	86
3	17-Octadecenal	37041	056554-86-0	80
4	Palmitaldehyde, diisopropyl acetal	48428	018302-66-4	72
5	1,15-Pentadecanediol	32774	000000-00-0	64



Library Search Compound Report

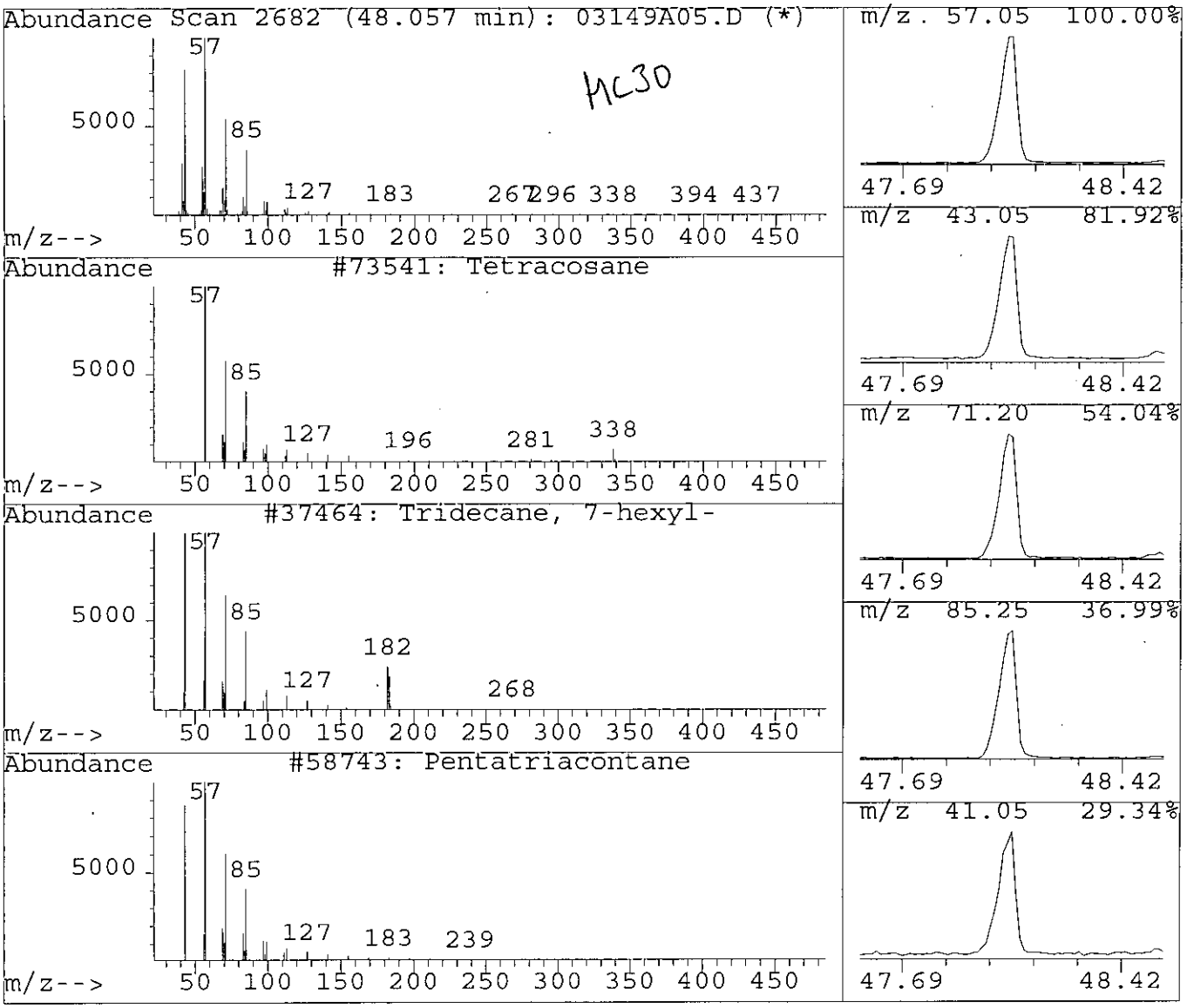
Data File : C:\HPCHEM\1\DATA\03149A05.D
Acq On : 14 Mar 99 2:17 pm
Sample : 67834
Misc : American Glue & Resin P#99187

Vial: 5
Operator: ESAT
Inst : 5988
Multiplr: 716.08

Method : C:\HPCHEM\1\METHODS\03149A01.M
Title : semivolatiles
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	R.T.
48.06	83546.43 ug/ml	1115206	PERYLENE-D12	45.83

Hit# of 20	Tentative ID	Ref#	CAS#	Qual
1	Tetracosane	73541	000646-31-1	94
2	Tridecane, 7-hexyl-	37464	007225-66-3	91
3	Pentatriacontane	58743	000630-07-9	91
4	Eicosane	72323	000112-95-8	91
5	Docosane, 7-butyl-	51006	055282-15-0	91



Library Search Compound Report

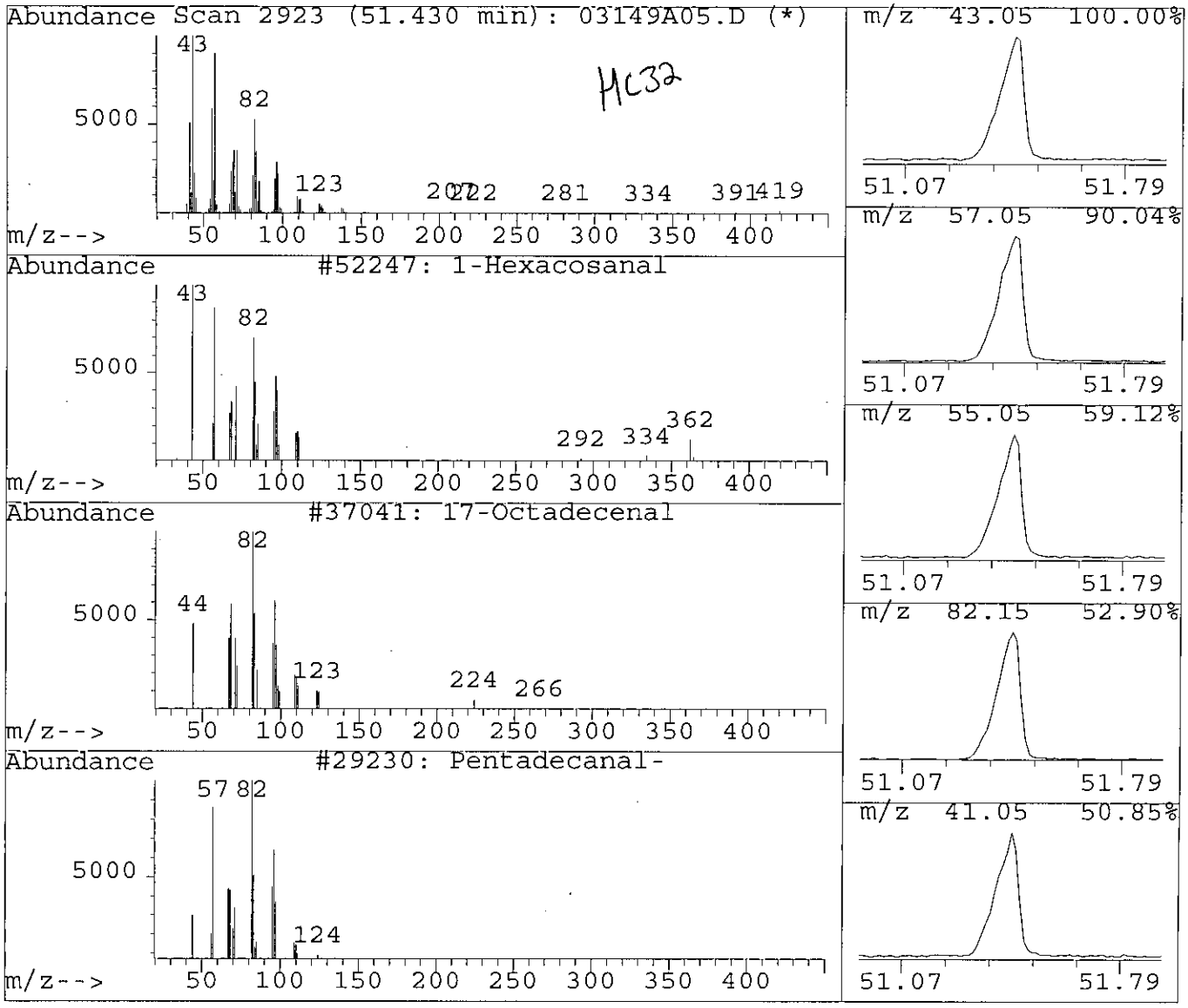
Data File : C:\HPCHEM\1\DATA\03149A05.D
Acq On : 14 Mar 99 2:17 pm
Sample : 67834
Misc : American Glue & Resin P#99187

Vial: 5
Operator: ESAT
Inst : 5988
Multiplr: 716.08

Method : C:\HPCHEM\1\METHODS\03149A01.M
Title : semivolatiles
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	R.T.
51.43	124432.34 ug/ml	1660965	PERYLENE-D12	45.83

Hit# of 20	Tentative ID	Ref#	CAS#	Qual
1	1-Hexacosanal	52247	000000-00-0	91
2	17-Octadecenal	37041	056554-86-0	86
3	Pentadecanal-	29230	002765-11-9	80
4	Octadecanal	37453	000638-66-4	64
5	Cyclododecanol	18970	001724-39-6	59



Library Search Compound Report

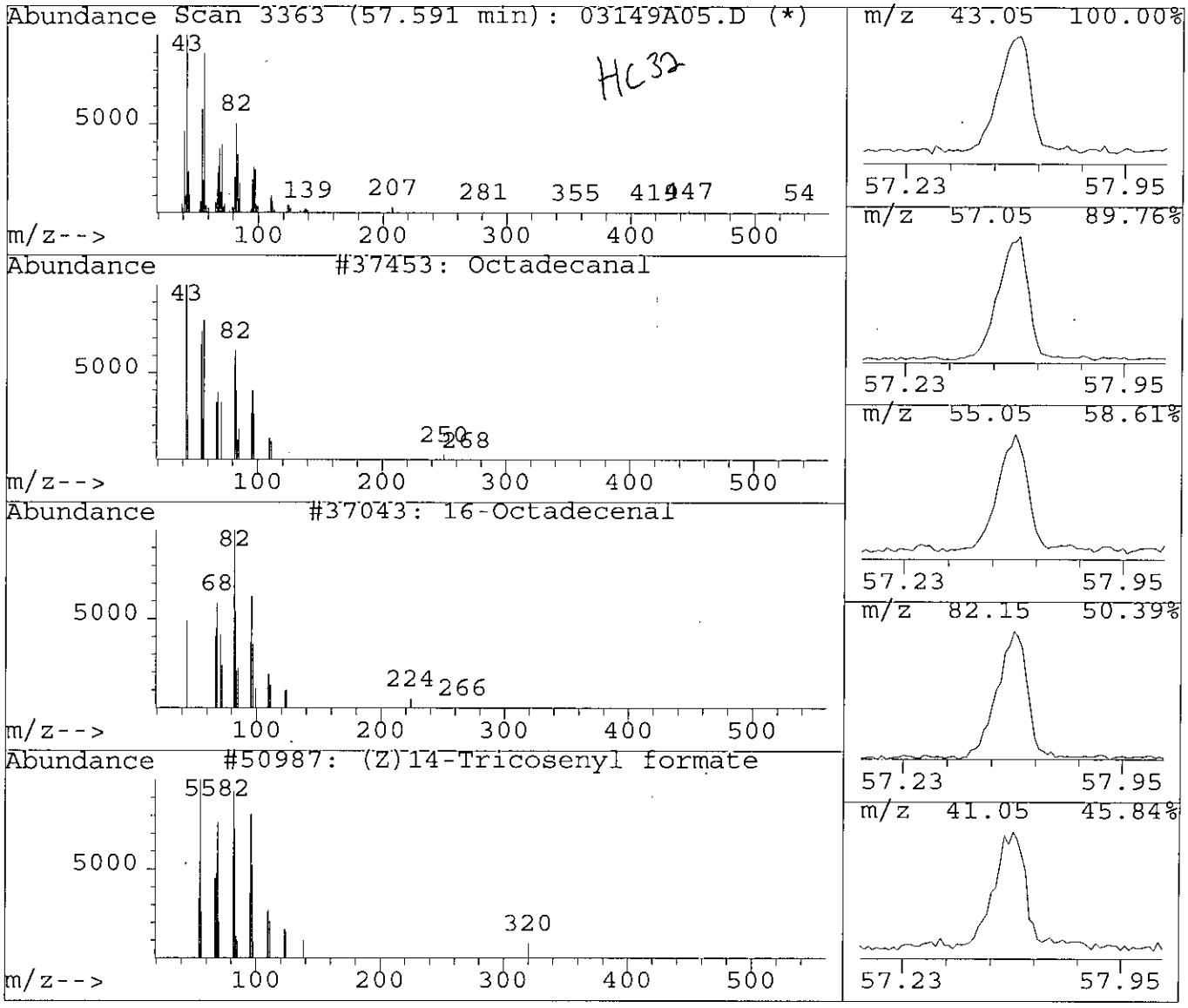
Data File : C:\HPCHEM\1\DATA\03149A05.D
Acq On : 14 Mar 99 2:17 pm
Sample : 67834
Misc : American Glue & Resin P#99187

Vial: 5
Operator: ESAT
Inst : 5988
Multiplr: 716.08

Method : C:\HPCHEM\1\METHODS\03149A01.M
Title : semivolatiles
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	R.T.
57.59	48656.84 ug/ml	649488	PERYLENE-D12	45.83

Hit# of 20	Tentative ID	Ref#	CAS#	Qual
1	Octadecanal	37453	000638-66-4	87
2	16-Octadecenal	37043	056554-87-1	64
3	(Z)14-Tricosenyl formate	50987	077899-10-6	58
4	Pentadecanal-	29230	002765-11-9	58
5	Tetradecanal	70265	000124-25-4	52



1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

S67835

Lab EPA REG 1 Contract:

Proj 99187 Site: AMERICAN Location: Group:

Matrix: (soil/wat SOIL Lab Sample ID: S67835

Wet Sample wt/vol: 5.0 (g/mL) G Lab File ID: 03129A17.D

Dry: 3.99 Level: (low/m MED Date Collected 3/2/99 Date Received: 3/3/99

% 23 decanted: (Y/N): Y Date Extracted: 3/9/99

Concentrated Extract Volume 1000 (uL) Date Analyzed: 3/13/99

Injection Volume 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y N pH: 0 Report Factor: 0.77

Concentration Units:

CAS No.	Compound	(ug/L or ug/Kg) ug/Kg	Q
62-53-3	ANILINE	2600	U
108-95-2	PHENOL	2600	U
111-44-4	BIS(2-CHLOROETHYL) ETHER	2600	U
95-57-8	2-CHLOROPHENOL	2600	U
541-73-1	1,3-DICHLOROBENZENE	2600	U
106-46-7	1,4-DICHLOROBENZENE	2600	U
100-51-6	BENZYL ALCOHOL	2600	U
95-50-1	1,2-DICHLOROBENZENE	2600	U
95-48-7	2-METHYLPHENOL	2600	U
108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	2600	U
106-44-5	4-METHYLPHENOL	2600	U
621-64-7	N-NITROSODIPROPYLAMINE	2600	U
67-72-1	HEXACHLOROETHANE	2600	U
98-95-3	NITROBENZENE	2600	U
78-59-1	ISOPHORONE	2600	U
88-75-5	2-NITROPHENOL	2600	U
105-67-9	2,4-DIMETHYLPHENOL	2600	U
111-91-1	BIS(2-CHLOROETHOXY)METHANE	2600	U
65-85-0	BENZOIC ACID	2600	U
120-83-2	2,4-DICHLOROPHENOL	2600	U
120-82-1	1,2,4-TRICHLOROBENZENE	2600	U
91-20-3	NAPHTHALENE	2600	U
106-47-8	4-CHLOROANILINE	2600	U
87-68-3	HEXACHLOROBUTADIENE	2600	U
59-50-7	4-CHLORO-3-METHYLPHENOL	2600	U
91-57-6	2-METHYLNAPHTHALENE	2600	U
77-47-4	HEXACHLOROCYCLOPENTADIENE	2600	U
88-06-2	2,4,6-TRICHLOROPHENOL	2600	U
95-95-4	2,4,5-TRICHLOROPHENOL	2600	U
91-58-7	2-CHLORONAPHTHALENE	2600	U
88-74-4	2-NITROANILINE	2600	U
131-11-3	DIMETHYLPHTHALATE	2600	U
208-96-8	ACENAPHTHYLENE	2600	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

S67835

Lab EPA REG 1 Contract:

Proj 99187 Site: AMERICAN Location: Group:

Matrix: (soil/wat SOIL Lab Sample ID: S67835

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 03129A17.D

Level: (low/m MED Date Received: 3/3/99

% 23 decanted: (Y/N): Y Date Extracted: 3/9/99

Concentrated Extract Volume 1000 (uL) Date Analyzed: 3/13/99

Injection Volume 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y N pH: 0

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
606-20-2	2,6-DINITROTOLUENE	2600	U
99-09-2	3-NITROANILINE	2600	U
83-32-9	ACENAPHTHENE	2600	U
51-28-5	2,4-DINITROPHENOL	2600	U
132-64-9	DIBENZOFURAN	2600	U
100-02-7	4-NITROPHENOL	2600	U
121-14-2	2,4-DINITROTOLUENE	2600	U
84-66-2	DIETHYLPHTHALATE	2600	U
86-73-7	FLUORENE	2600	U
7005-72-3	4-CHLOROPHENYL-PHENYLETHER	2600	U
100-01-6	4-NITROANILINE	2600	U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	2600	U
86-30-6	N-NITROSODIPHENYLAMINE	2600	U
103-33-3	DIPHENYLHYDRAZINE(AZOBENZENE)	2600	U
101-55-3	4-BROMOPHENYL-PHENYLETHER	2600	U
319-84-6	BHC ISOMER (ALPHA)	2600	U
118-74-1	HEXACHLOROBENZENE	2600	U
319-85-7	BHC ISOMER (BETA)	2600	U
87-86-5	PENTACHLOROPHENOL	2600	U
58-89-9	LINDANE-BHC ISOMER (GAMA)	2600	U
85-01-8	PHENANTHRENE	2600	U
120-12-7	ANTHRACENE	2600	U
319-86-8	BHC ISOMER (DELTA)	2600	U
86-74-8	CARBAZOLE	2600	U
76-44-8	HEPTACHLOR	2600	U
84-74-2	DIBUTYLPHTHALATE	2600	U
309-00-2	ALDRIN	2600	U
1024-57-3	HEPTACHLOR EPOXIDE	2600	U
206-44-0	FLUORANTHENE	2600	U
129-00-0	PYRENE	2600	U
959-98-8	ENDOSULFAN I	2600	U
72-55-9	P,P-DDE	2600	U
60-57-1	DIELDRIN	2600	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

S67835

Lab EPA REG 1 Contract:

Proj 99187 Site: AMERICAN Location: Group:

Matrix: (soil/wat SOIL Lab Sample ID: S67835

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 03129A17.D

Level: (low/m MED Date Received: 3/3/99

% 23 decanted: (Y/N): Y Date Extracted: 3/9/99

Concentrated Extract Volume 1000 (uL) Date Analyzed: 3/13/99

Injection Volume 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y N pH: 0

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
72-20-8	ENDRIN	2600	U
33213-65-9	ENDOSULFAN II	2600	U
72-54-8	P,P-DDD	2600	U
85-68-7	BUTYLBENZYLPHTHALATE	1300	L J
50-29-3	P,P-DDT	2600	U
1031-07-8	ENDOSULFAN SULFATE	2600	U
72-43-5	METHOXYCHLOR	2600	U
53494-70-5	ENDRIN KETONE	2600	U
91-94-1	3,3-DICHCHLOROBENZIDINE	2600	U
56-55-3	BENZ(A)ANTHRACENE	2600	U
218-01-9	CHRYSENE	280	L J
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	1100	L J
117-84-0	DI-N-OCTYLPHTHALATE	2600	U
205-99-2	BENZO(B)FLUORANTHENE	2600	U
207-08-9	BENZO(K)FLUORANTHENE	2600	U
50-32-8	BENZO(A)PYRENE	2600	U
193-39-5	INDENO(1,2,3-CD)PYRENE	2600	U
53-70-3	DIBENZO(A,H)ANTHRACENE	2600	U
191-24-2	BENZO(GHI)PERYLENE	2600	U

QUANTITATION SHEET

SAMPLE NUMBER 67835

Tentatively Identified Compounds

SCAN NO.	COMPOUND	PROB. MATCH	CONC (ug/ml)	EST. C. (ug/kg)	CAS NO.	CHEM. FORM.
68	~~4-hydroxy-4-methyl-2 Pentanone~~	50	—	~90,000 AB	123-42-2	
117	~~unknown VOA~~	—	—	~10,000	—	
176	unknown hydrocarbon -C12	91	—	~9,000 J	—	
1649	unknown Hexadecanoic acid	97	—	~100,000 J	57-10-3	
1828	unknown	—	—	~200,000 J	—	
1843	unknown carboxylic acid	99	—	~70,000 J	—	
2237	unknown	—	—	~5,000 J	—	

~ = Approximate
< = Less than
> = Greater than
NA = Not available due to dilution or interference
E = Estimated value that exceeds the calibration range
L = Estimated value that is below the calibration range
B = Analyte associated with the lab, trip blank. Reported values are 5X higher than blank. Phthalates must be 10X.

Quantitation Report

Data File : C:\HPCHEM\1\DATA\03129A17.D Vial: 17
Acq On : 13 Mar 99 5:02 pm Operator: ESAT
Sample : 67835 Inst : 5988
Misc : American Glue & Resin P#99187 Multiplr: 258.53
Quant Time: Mar 14 11:27 1999

Method : C:\HPCHEM\1\METHODS\03129A02.M
Title : semivolatiles
Last Update : Sat Mar 13 11:22:04 1999
Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DICHLOROBENZENE-D4	16.27	150	52487	40.00	ug/ml	0.00
19) NAPHTHALENE-D8	20.43	136	126885	40.00	ug/ml	0.00
34) ACENAPHTHENE-D10	26.38	164	62375	40.00	ug/ml	0.00
54) PHENANTHRENE-D10	31.48	188	110310	40.00	ug/ml	0.00
74) CHRYSENE-D12	40.51	240	123023	40.00	ug/ml	0.00
92) PERYLENE-D12	45.88	264	90285	40.00	ug/ml	0.01
System Monitoring Compounds						**%Recovery**
2) FLUOROPHENOL	12.44	112	165192	167.18	ug/ml	83.59%
4) PHENOL-D5	15.28	99	258317	174.65	ug/ml	87.32%
5) 2-CHLOROPHENOL-D4	15.63	132	173717	161.78	ug/ml	80.89%
12) 1,2-DICHLOROBENZENE-D4	16.78	150	79156	63.33	ug/ml	63.33%
20) NITROBENZENE-D5	18.12	82	131883	72.34	ug/ml	72.34%
38) FLUOROBIPHENYL	24.12	172	156001	75.67	ug/ml	75.67%
58) 2,4,6-TRIBROMOPHENOL	29.12	330	74703	164.73	ug/ml	82.36%
78) P-TERPHENYL-D14	36.97	244	222597	73.30	ug/ml	73.30%
Target Compounds						**Qvalue**
83) BUTYLBENZYLPHTHALATE	38.65	149	10181	1262.74	ug/ml#	80
90) CHRYSENE	40.59	228	3338	284.39	ug/ml	95
91) BIS(2-ETHYLHEXYL)PHTHALATE	40.58	149	11908	1078.86	ug/ml#	93

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

Quantitation Report

Data File : c:\hpchem\1\data\03129a17.d
Acq On : 13 Mar 99 5:02 pm
Sample : 67835
Misc : American Glue & Resin P#99187
Quant Time: Mar 14 9:20 1999

Vial: 17
Operator: ESAT
Inst : 5988
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\03129A02.M
Title : semivolatiles
Last Update : Sat Mar 13 11:22:04 1999
Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-DICHLOROBENZENE-D4	16.27	150	52487	40.00 ug/ml	0.00
19) NAPHTHALENE-D8	20.43	136	126885	40.00 ug/ml	0.00
34) ACENAPHTHENE-D10	26.38	164	62375	40.00 ug/ml	0.00
54) PHENANTHRENE-D10	31.48	188	110310	40.00 ug/ml	0.00
74) CHRYSENE-D12	40.51	240	123023	40.00 ug/ml	0.00
92) PERYLENE-D12	45.88	264	90285	40.00 ug/ml	0.01
System Monitoring Compounds					%Recovery
2) FLUOROPHENOL	12.44	112	165192	167.18 ug/ml	83.59%
4) PHENOL-D5	15.28	99	258317	174.65 ug/ml	87.32%
5) 2-CHLOROPHENOL-D4	15.63	132	173717	161.78 ug/ml	80.89%
12) 1,2-DICHLOROBENZENE-D4	16.78	150	79156	63.33 ug/ml	63.33%
20) NITROBENZENE-D5	18.12	82	131883	72.34 ug/ml	72.34%
38) FLUOROBIPHENYL	24.12	172	156001	75.67 ug/ml	75.67%
58) 2,4,6-TRIBROMOPHENOL	29.12	330	74703	164.73 ug/ml	82.36%
78) P-TERPHENYL-D14	36.97	244	222597	73.30 ug/ml	73.30%
Target Compounds					Qvalue
11) BENZYL ALCOHOL	16.78	79	2308	~~3.57 ug/ml#~~	30
56) N-NITROSODIPHENYLAMINE	29.12	169	1651	~~1.23 ug/ml#~~	41
70) DIBUTYLPHTHALATE	33.54	149	5146	~~1.24 ug/ml#~~	83
72) HEPTACHLOR EPOXIDE	35.29	81	2961	~~6.41 ug/ml#~~	36
73) FLUORANTHENE	35.64	202	2832	~~0.92 ug/ml#~~	89
75) PYRENE	36.41	202	2823	~~0.78 ug/ml#~~	62
79) DIELDRIN	37.42	79	1972	~~1.96 ug/ml#~~	23
80) ENDRIN	37.70	81	2467	~~7.81 ug/ml#~~	44
83) BUTYLBENZYLPHTHALATE	38.65	149	10181	4.88 ug/ml# ✓	80
89) BENZ(A)ANTHRACENE	40.48 ~~40.59~~	228	1838 ~~2554~~	0.57 ~~0.80 ug/ml~~	97
90) CHRYSENE	40.59	228	3338	1.10 ug/ml ✓	95
91) BIS(2-ETHYLHEXYL)PHTHALATE	40.58	149	11908	4.17 ug/ml# ✓	93
93) DI-N-OCTYLPHTHALATE	42.81	149	1517	~~0.37 ug/ml#~~	69
94) BENZO(B)FLUORANTHENE	~~44.31~~	252	2969	~~1.01 ug/ml#~~	77
95) BENZO(K)FLUORANTHENE	44.42 ~~44.31~~	252	1519 ~~2969~~	0.49 ~~0.95 ug/ml#~~	79
96) BENZO(A)PYRENE	45.40	252	1697	~~0.61 ug/ml#~~	70

Wet WT = 5.010
Dry WT = 3.868
% moist = 22.8
1ml FV
NO DIL
MULT = 258.5315408

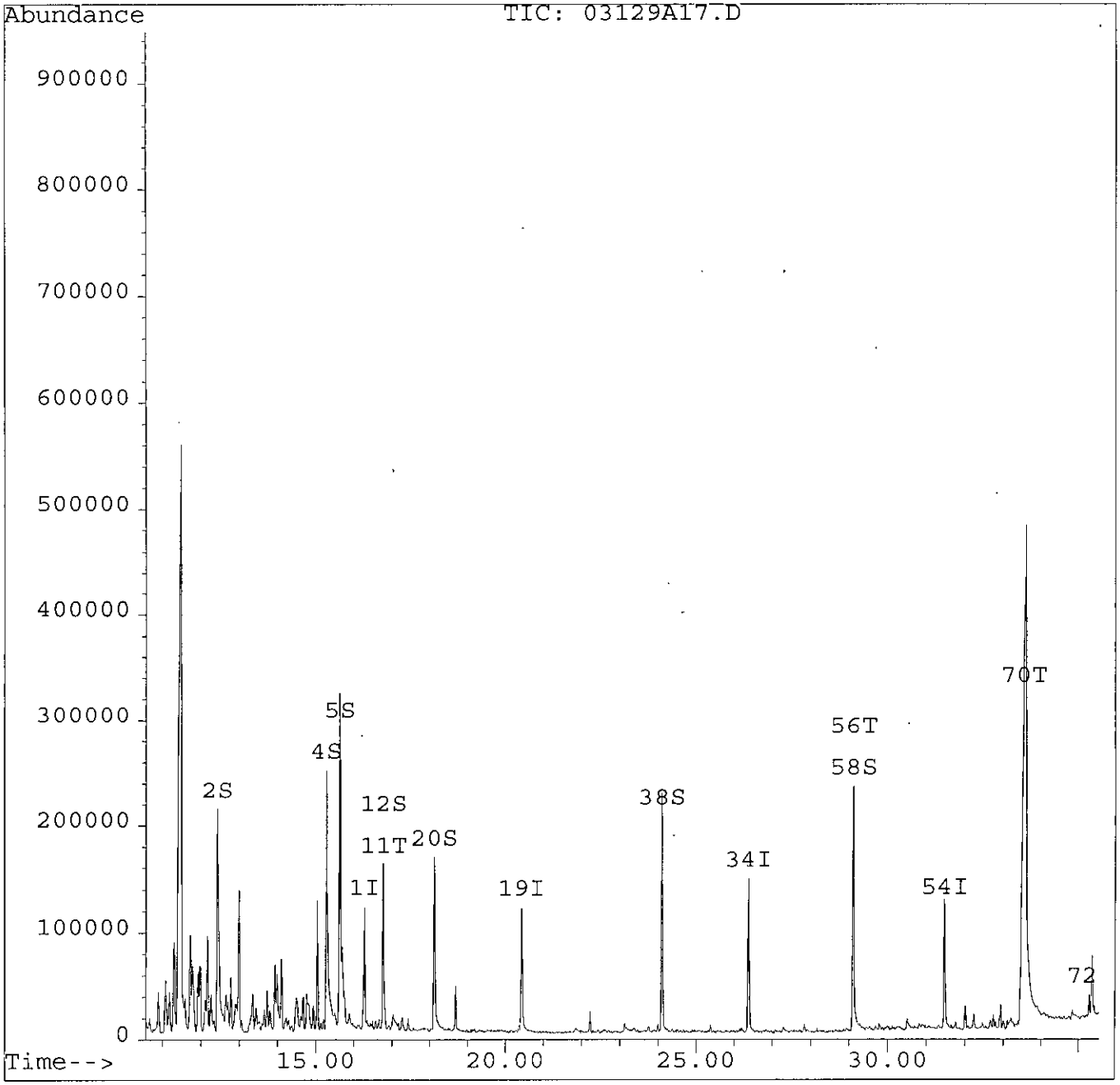
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : c:\hpchem\1\data\03129a17.d
Acq On : 13 Mar 99 5:02 pm
Sample : 67835
Misc : American Glue & Resin P#99187
Quant Time: Mar 14 9:20 1999

Vial: 17
Operator: ESAT
Inst : 5988
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\03129A02.M
Title : semivolatiles
Last Update : Sat Mar 13 11:22:04 1999
Response via : Single Level Calibration

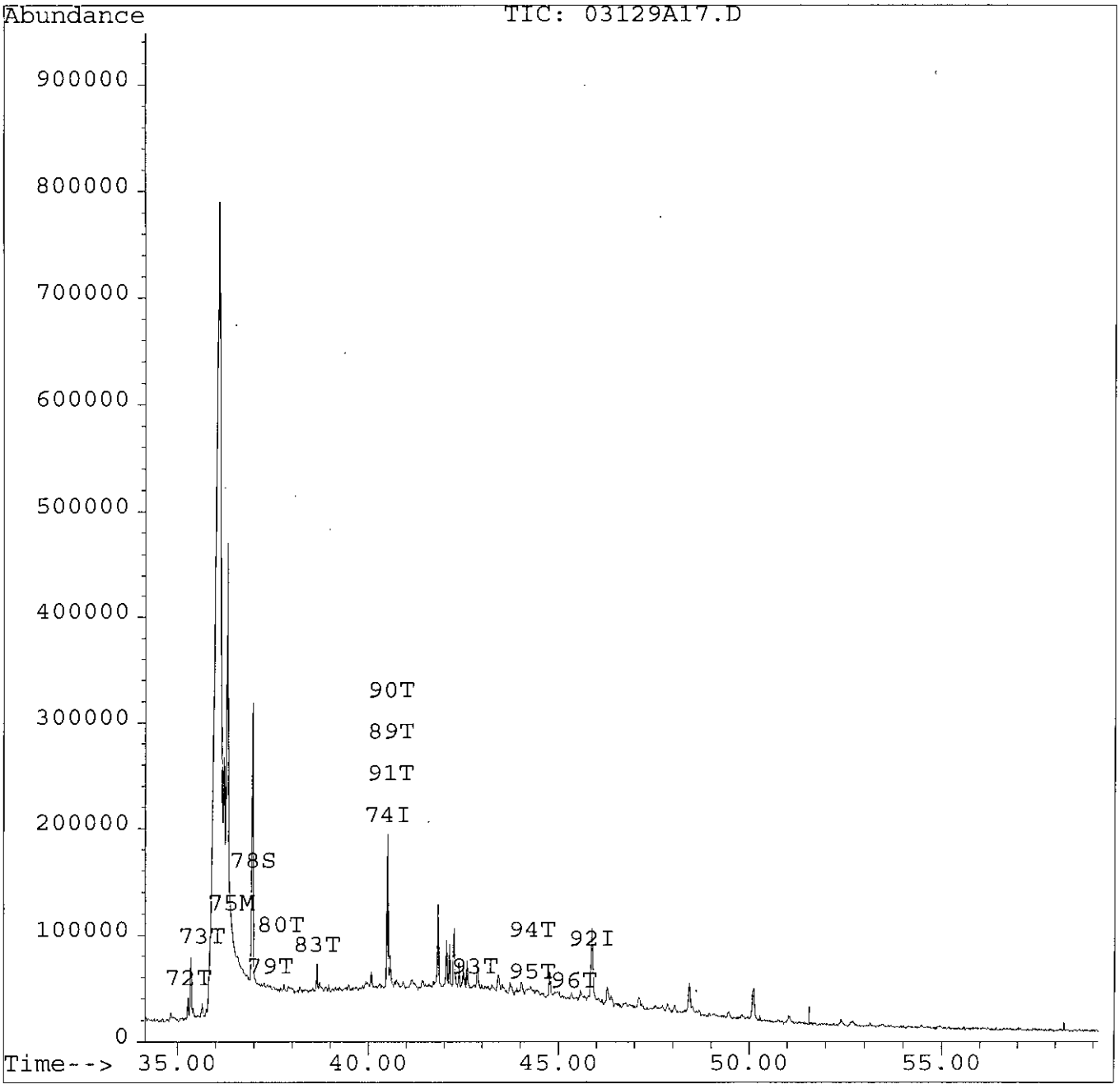


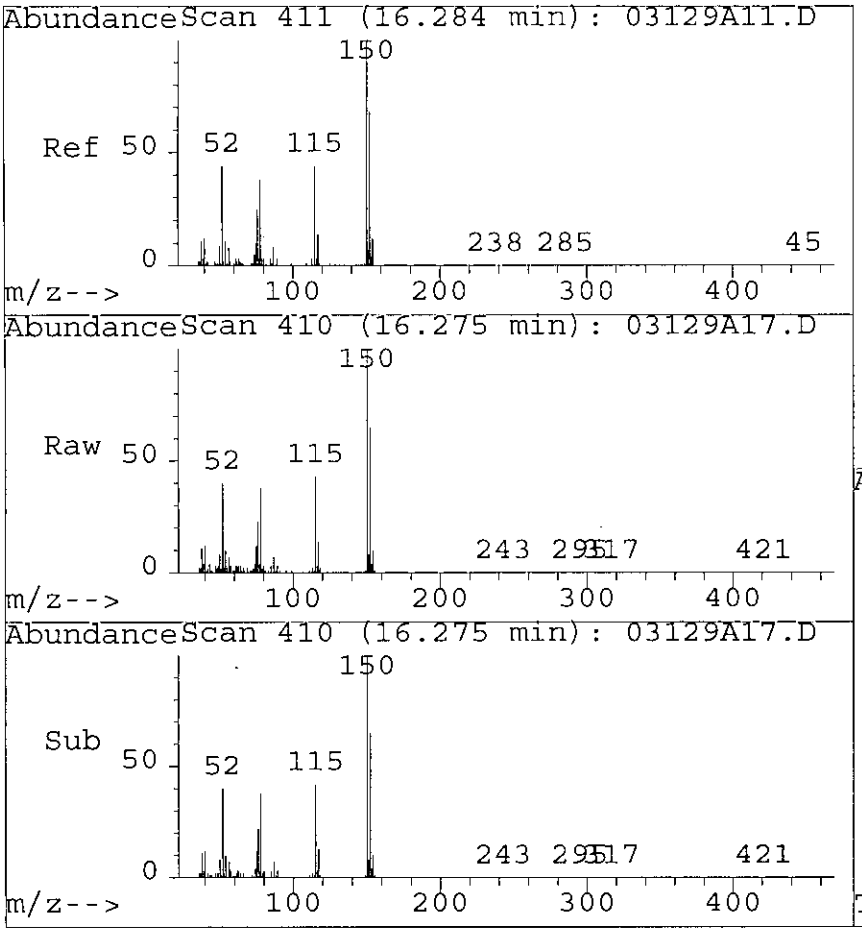
Quantitation Report

Data File : c:\hpchem\1\data\03129a17.d
Acq On : 13 Mar 99 5:02 pm
Sample : 67835
Misc : American Glue & Resin P#99187
Quant Time: Mar 14 9:20 1999

Vial: 17
Operator: ESAT
Inst : 5988
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\03129A02.M
Title : semivolatiles
Last Update : Sat Mar 13 11:22:04 1999
Response via : Single Level Calibration

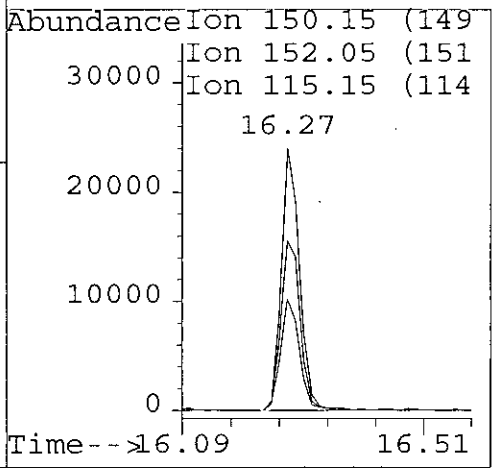


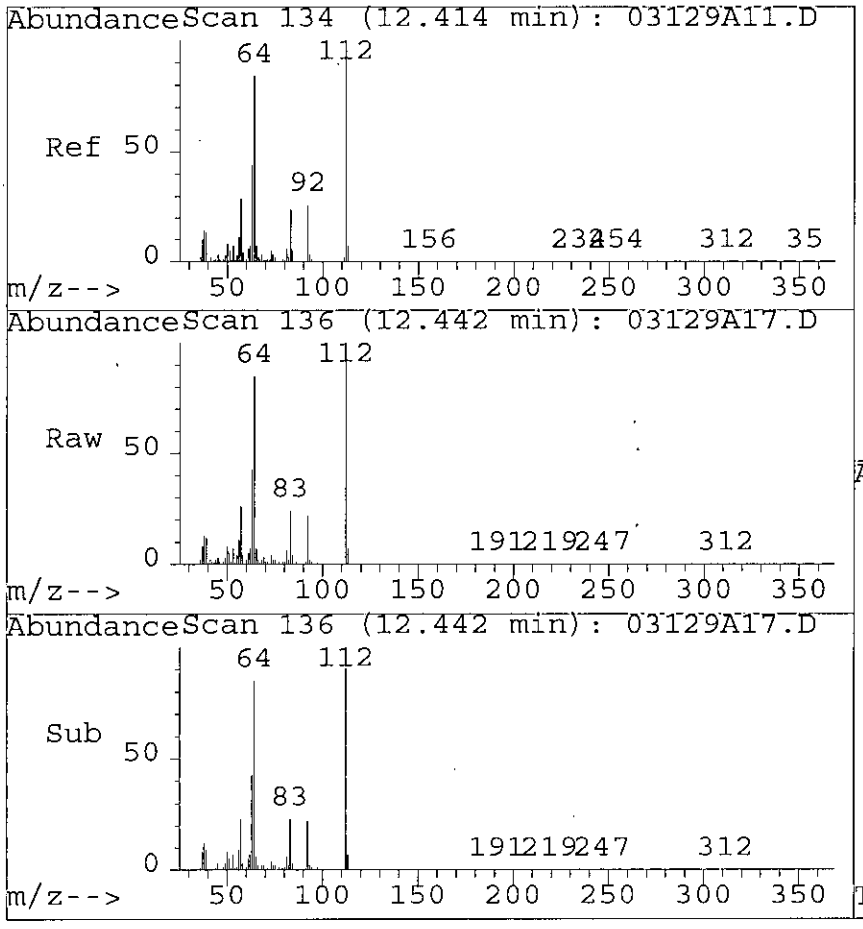


#1
1,4-DICHLOROBENZENE-D4
Concen: 40.00 ug/ml
RT: 16.27 min Scan# 410
Delta R.T. -0.01 min
Lab File: 03129a17.d
Acq: 13 Mar 99 5:02 pm

Tgt Ion:150.15 Resp: 52487

Ion	Ratio	Lower	Upper
150	100		
152	64.8	51.1	76.6
115	42.6	34.7	52.0
0	0.0	0.0	0.0

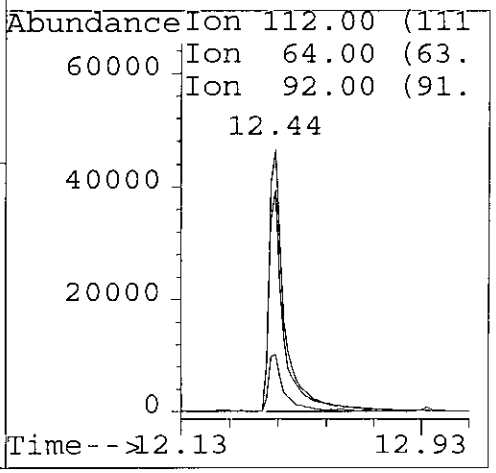


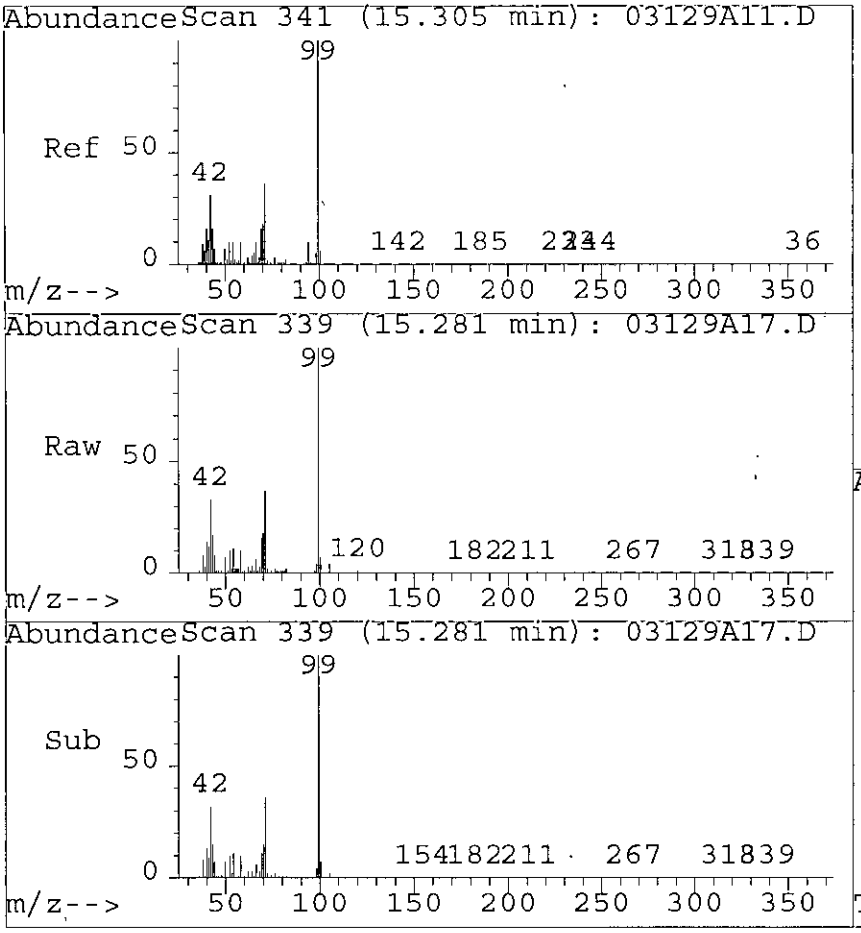


#2
FLUOROPHENOL
Concen: 167.18 ug/ml
RT: 12.44 min Scan# 136
Delta R.T. 0.03 min
Lab File: 03129a17.d
Acq: 13 Mar 99 5:02 pm

Tgt Ion:112 Resp: 165192

Ion	Ratio	Lower	Upper
112	100		
64	84.9	55.4	83.1#
92	22.1	24.7	37.0#
0	0.0	0.0	0.0

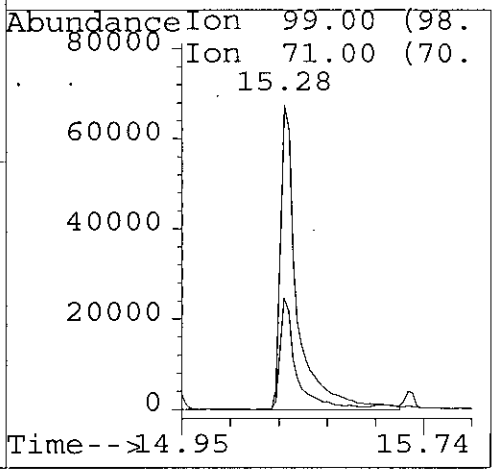


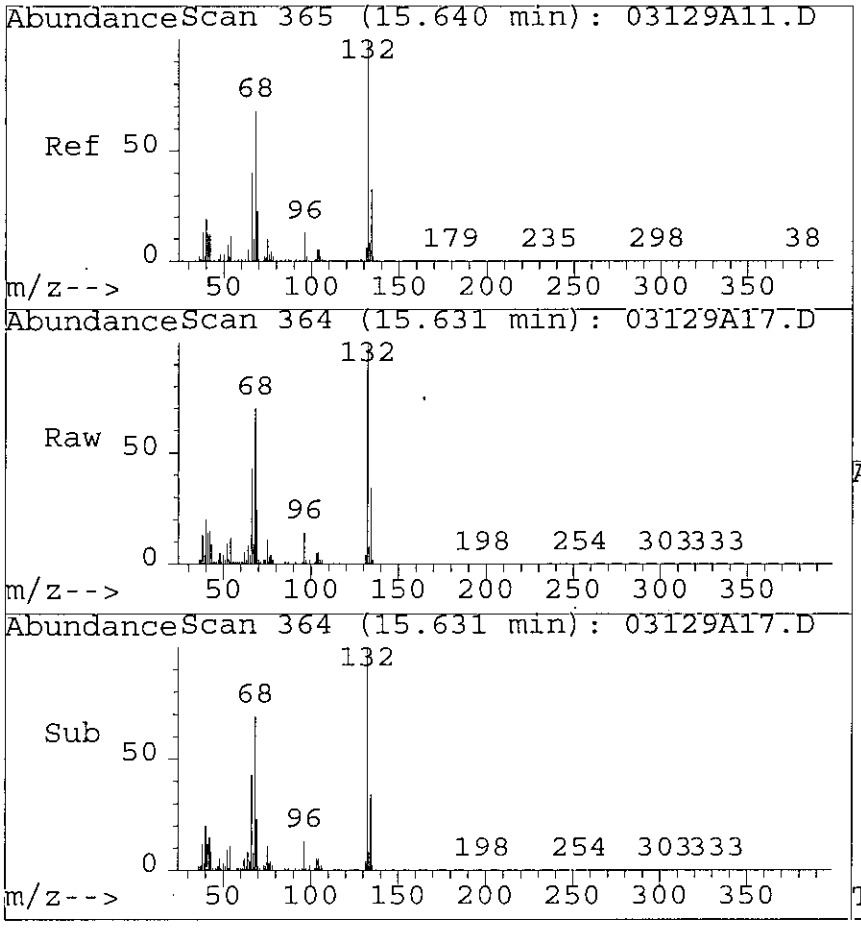


#4
PHENOL-D5
Concen: 174.65 ug/ml
RT: 15.28 min Scan# 339
Delta R.T. -0.02 min
Lab File: 03129a17.d
Acq: 13 Mar 99 5:02 pm

Tgt Ion:99 Resp: 258317

Ion	Ratio	Lower	Upper
99	100		
71	36.6	27.7	41.4
0	0.0	0.0	0.0
0	0.0	0.0	0.0

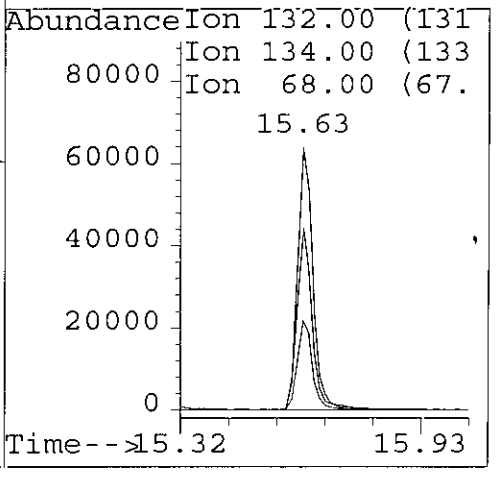


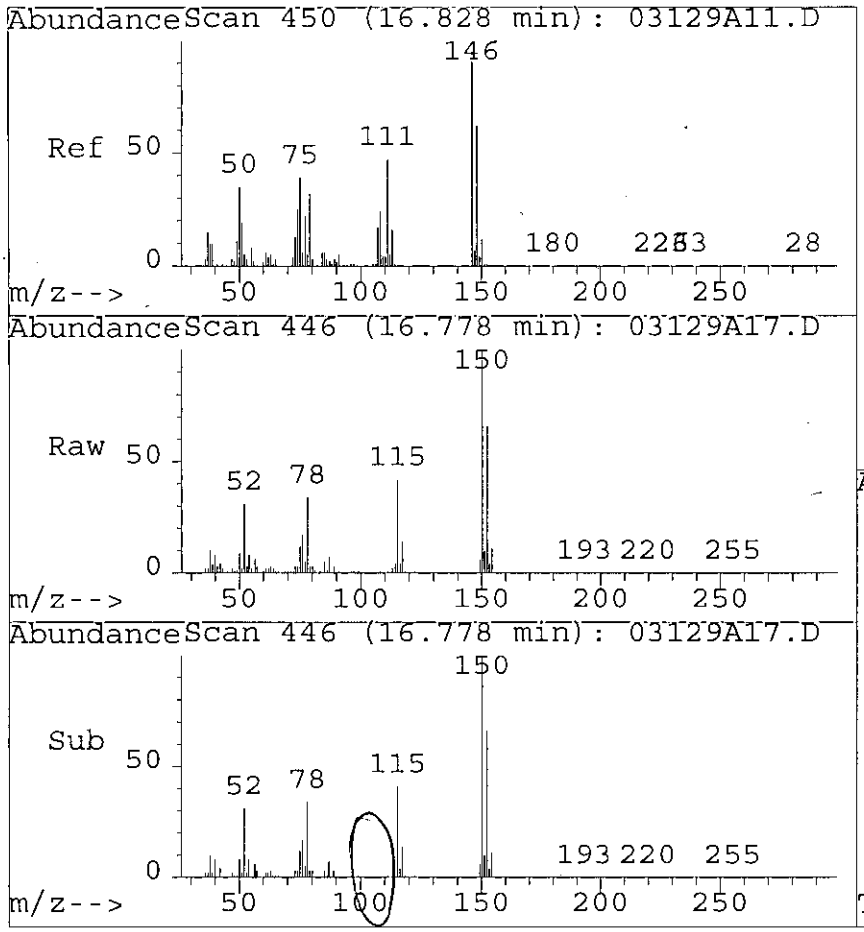


#5
2-CHLOROPHENOL-D4
Concen: 161.78 ug/ml
RT: 15.63 min Scan# 364
Delta R.T. -0.01 min
Lab File: 03129a17.d
Acq: 13 Mar 99 5:02 pm

Tgt Ion:132 Resp: 173717

Ion	Ratio	Lower	Upper
132	100		
134	34.2	24.0	35.9
68	69.5	40.0	59.9#
0	0.0	0.0	0.0

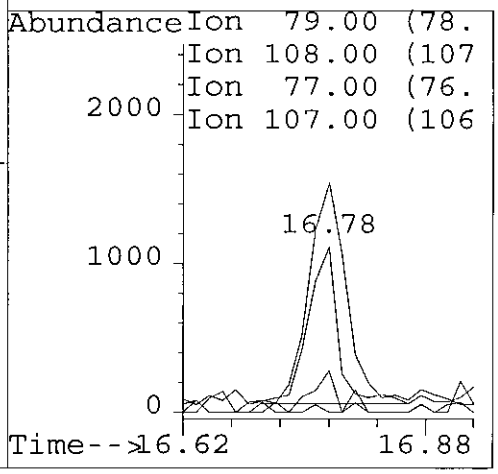


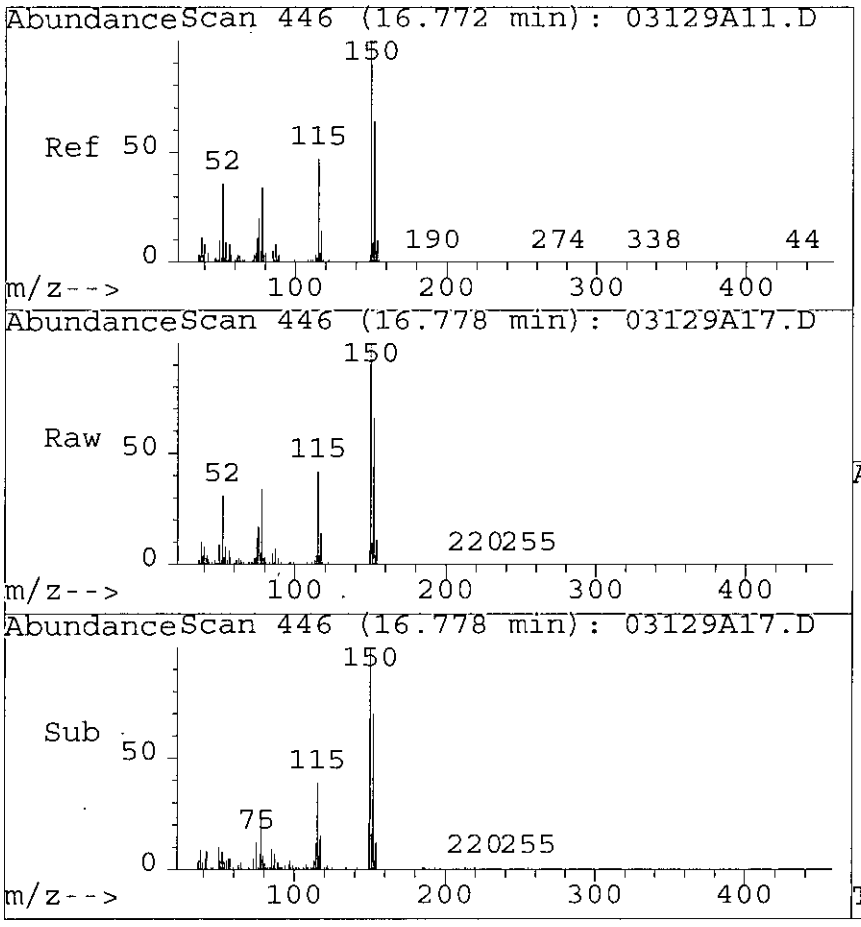


#11
BENZYL ALCOHOL
Concen: 3.57 ug/ml
RT: 16.78 min Scan# 446
Delta R.T. -0.05 min
Lab File: 03129a17.d
Acq: 13 Mar 99 5:02 pm

Tgt Ion:79 Resp: 2308

Ion	Ratio	Lower	Upper
79	100		
108	25.1	49.9	74.8#
77	139.1	53.8	80.7#
107	0.0	39.1	58.6#

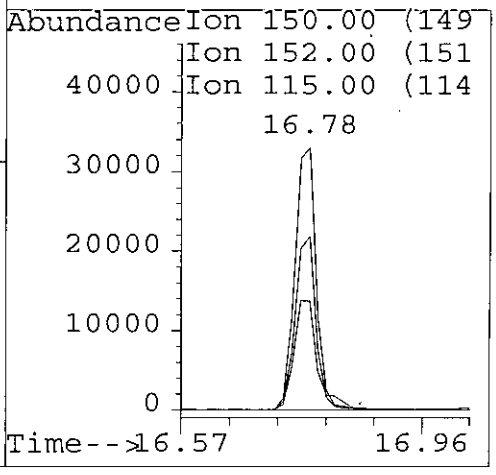


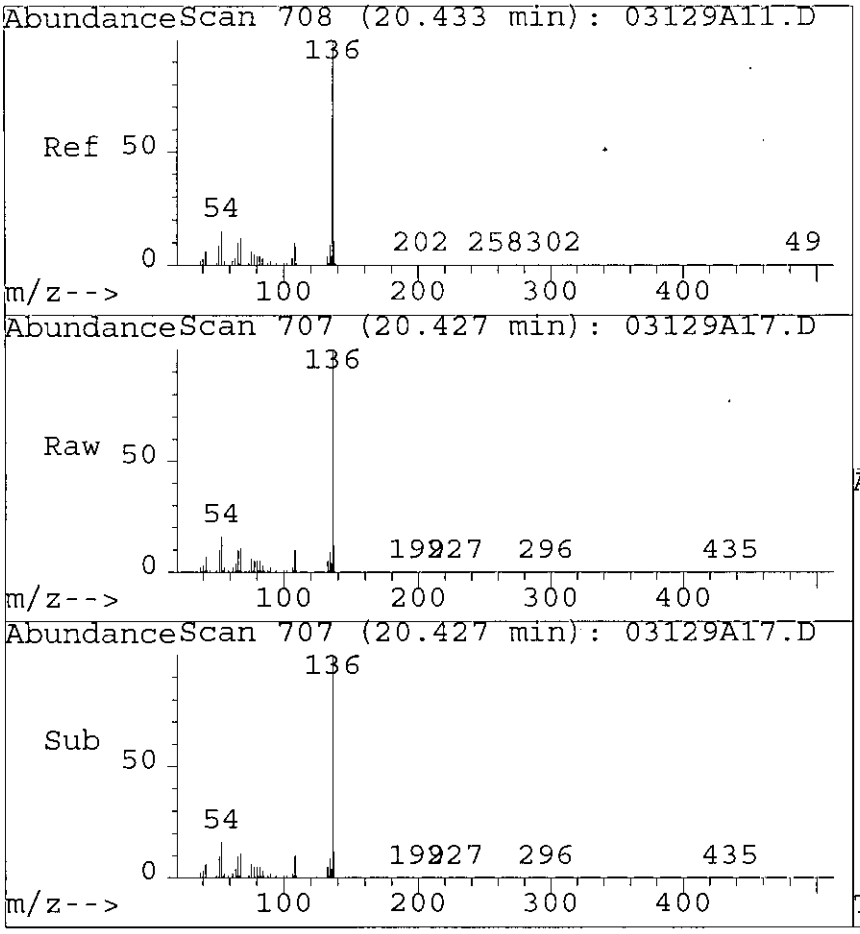


#12
1,2-DICHLOROBENZENE-D4
Concen: 63.33 ug/ml
RT: 16.78 min Scan# 446
Delta R.T. 0.01 min
Lab File: 03129a17.d
Acq: 13 Mar 99 5:02 pm

Tgt Ion:150 Resp: 79156

Ion	Ratio	Lower	Upper
150	100		
152	66.1	52.2	78.3
115	41.7	37.8	56.7
0	0.0	0.0	0.0

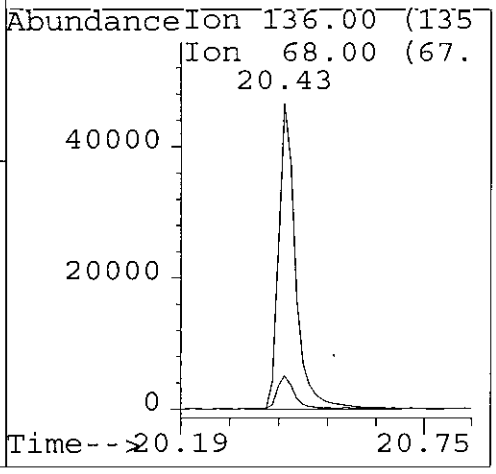


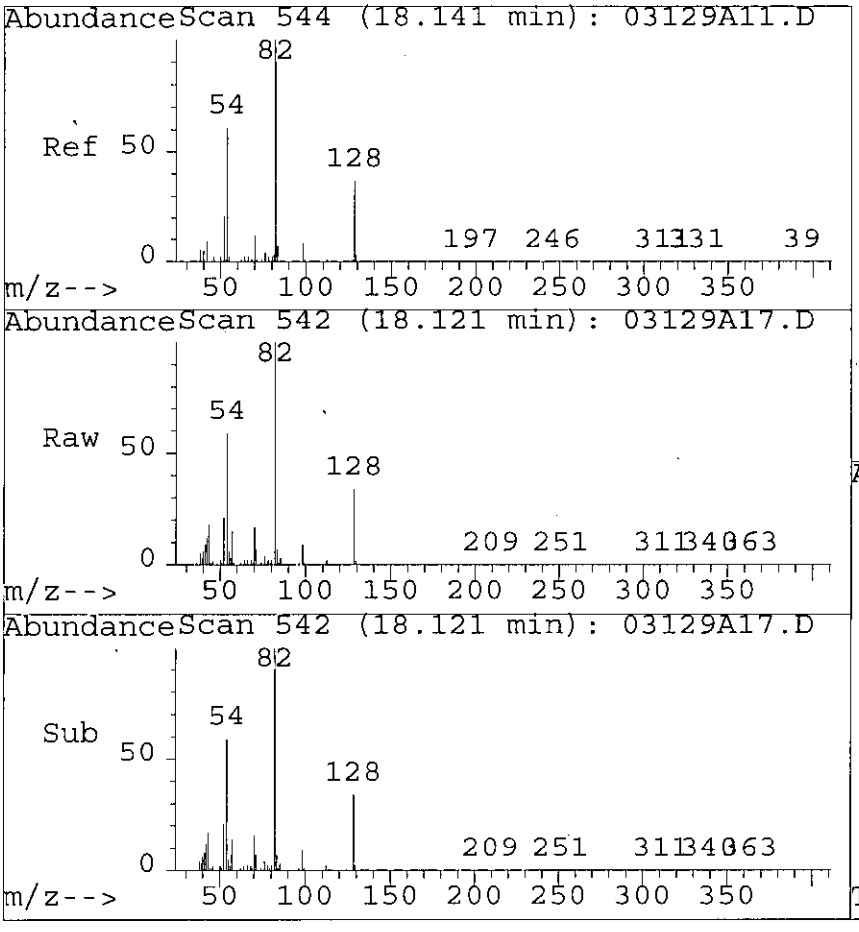


#19
NAPHTHALENE-D8
Concen: 40.00 ug/ml
RT: 20.43 min Scan# 707
Delta R.T. -0.01 min
Lab File: 03129a17.d
Acq: 13 Mar 99 5:02 pm

Tgt Ion:136 Resp: 126885

Ion	Ratio	Lower	Upper
136	100		
68	11.0	6.0	8.9#
0	0.0	0.0	0.0
0	0.0	0.0	0.0

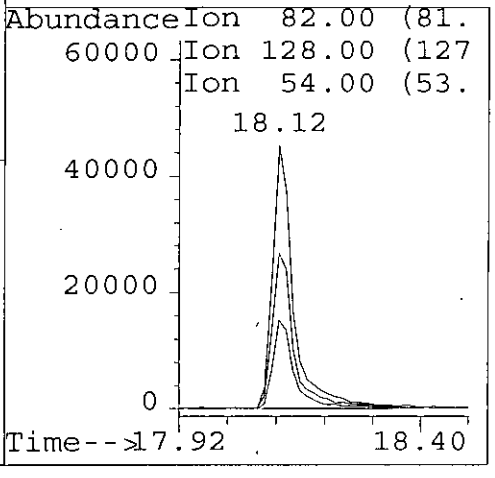


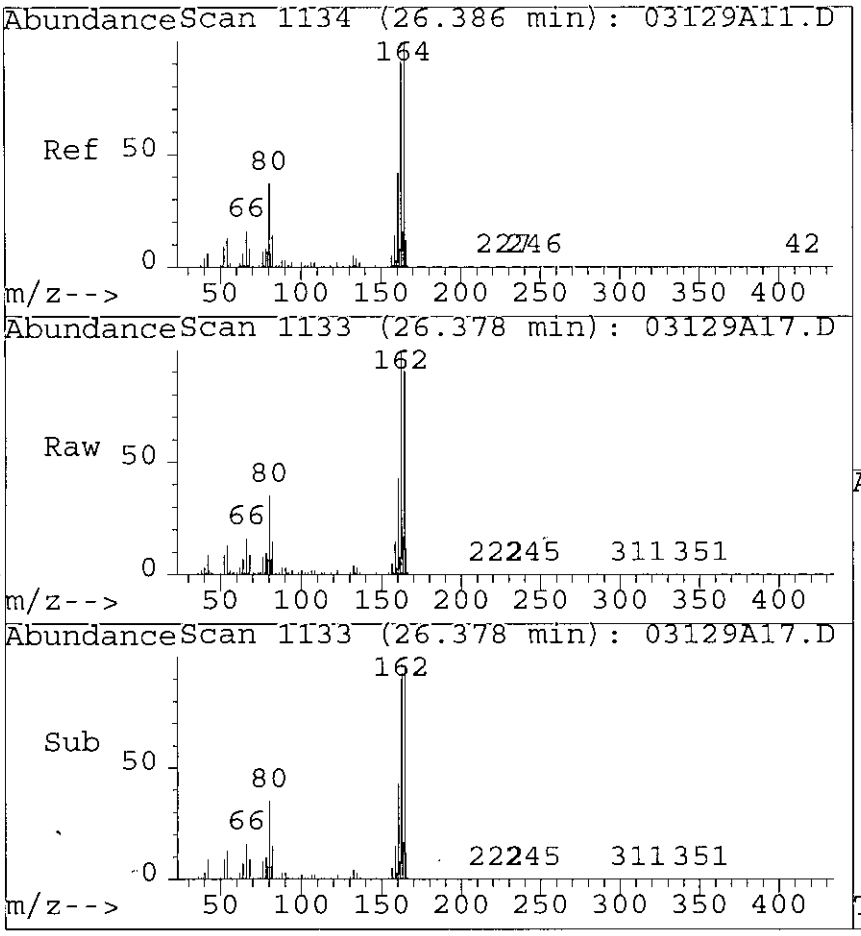


#20
NITROBENZENE-D5
Concen: 72.34 ug/ml
RT: 18.12 min Scan# 542
Delta R.T. -0.02 min
Lab File: 03129a17.d
Acq: 13 Mar 99 5:02 pm

Tgt Ion:82 Resp: 131883

Ion	Ratio	Lower	Upper
82	100		
128	33.8	34.4	51.5#
54	59.4	42.9	64.4
0	0.0	0.0	0.0

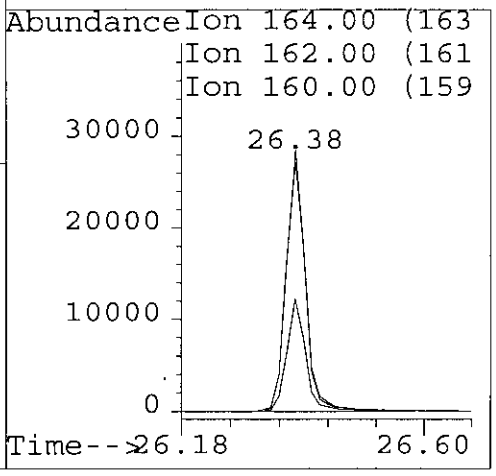


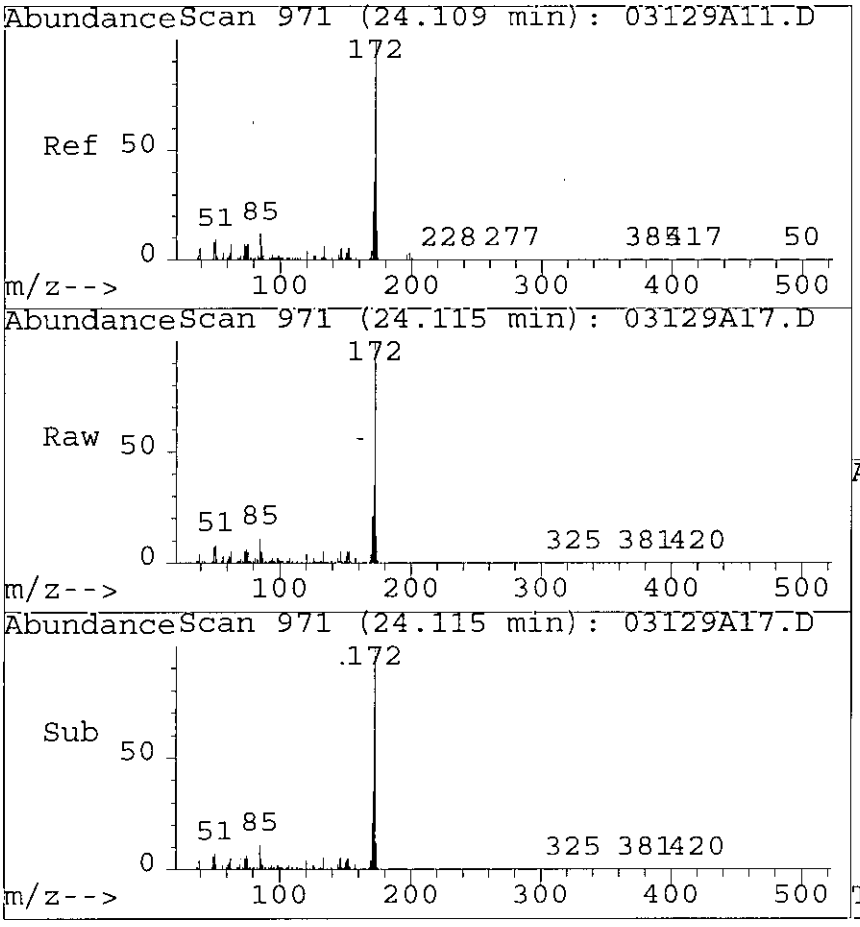


#34
ACENAPHTHENE-D10
Concen: 40.00 ug/ml
RT: 26.38 min Scan# 1133
Delta R.T. -0.01 min
Lab File: 03129a17.d
Acq: 13 Mar 99 5:02 pm

Tgt Ion:164 Resp: 62375

Ion	Ratio	Lower	Upper
164	100		
162	105.3	82.3	123.4
160	45.2	33.6	50.3
0	0.0	0.0	0.0

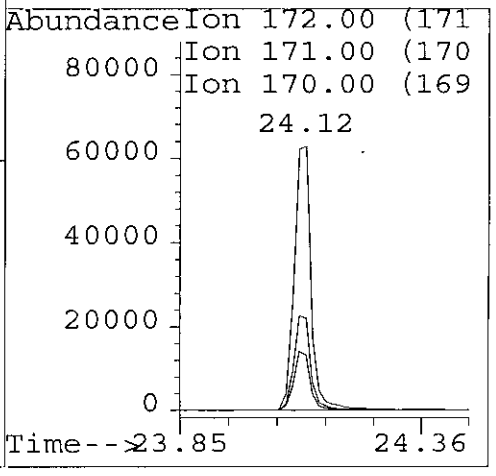


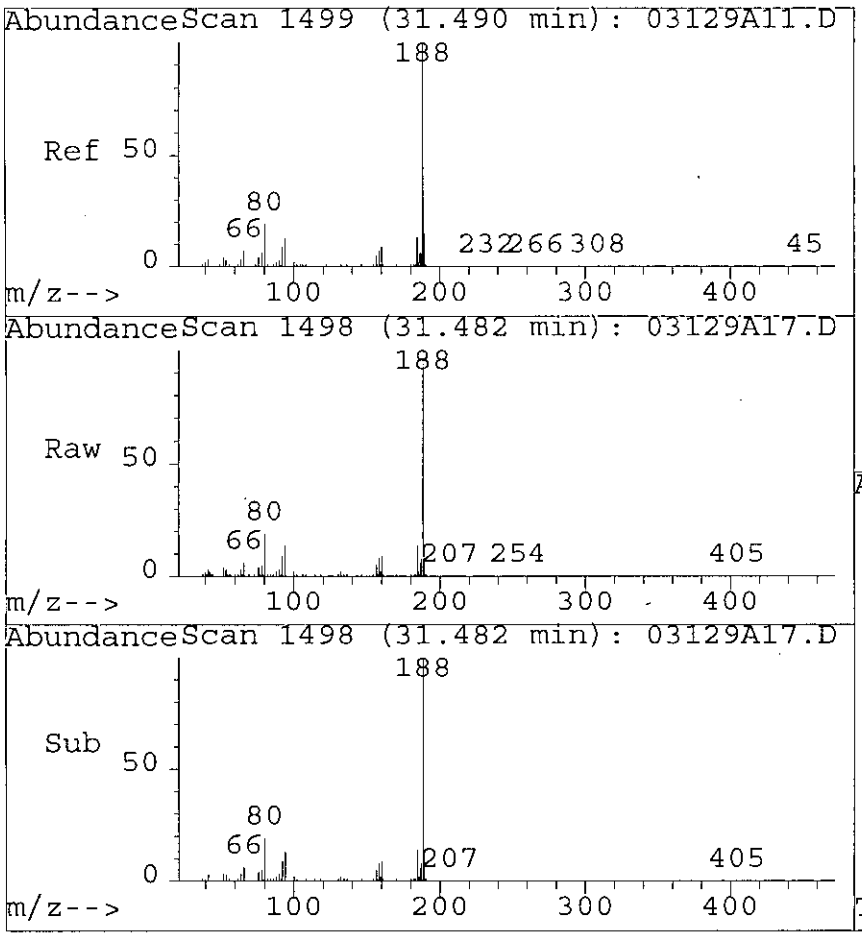


#38
FLUOROBIPHENYL
Concen: 75.67 ug/ml
RT: 24.12 min Scan# 971
Delta R.T. 0.01 min
Lab File: 03129a17.d
Acq: 13 Mar 99 5:02 pm

Tgt Ion:172 Resp: 156001

Ion	Ratio	Lower	Upper
172	100		
171	35.2	30.5	45.8
170	21.3	18.4	27.5
0	0.0	0.0	0.0

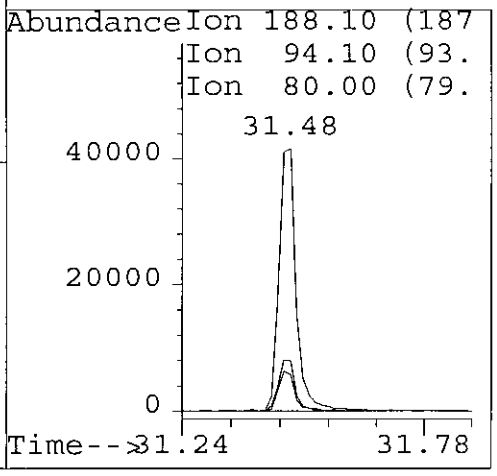


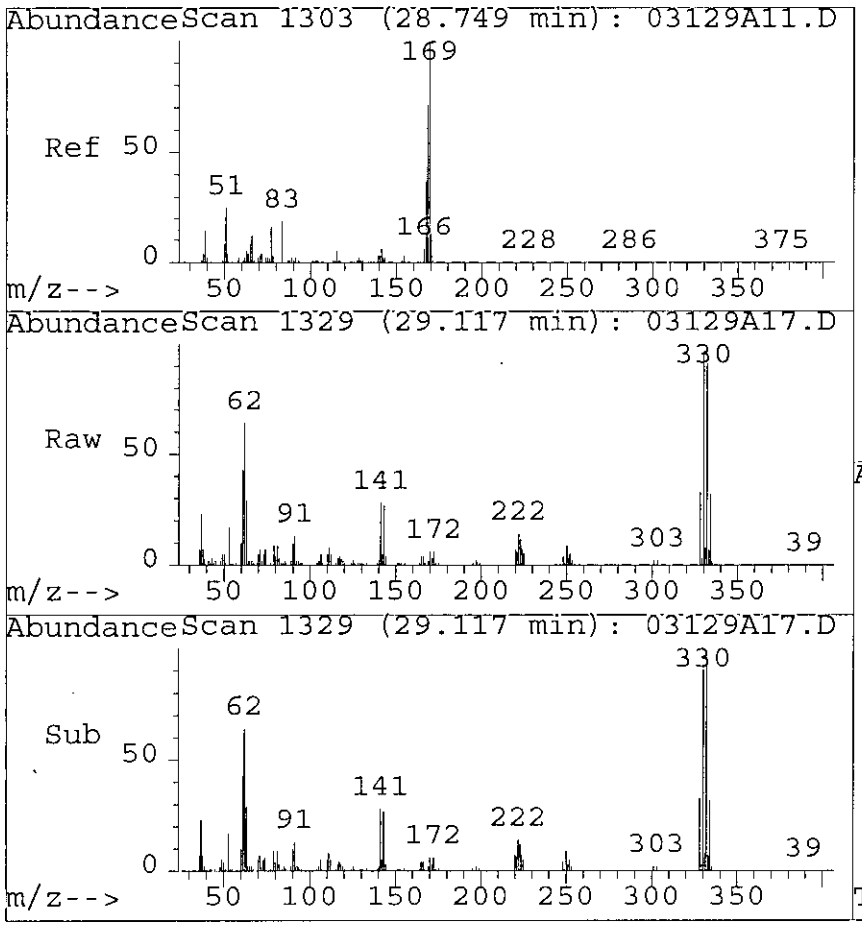


#54
PHENANTHRENE-D10
Concen: 40.00 ug/ml
RT: 31.48 min Scan# 1498
Delta R.T. -0.01 min
Lab File: 03129a17.d
Acq: 13 Mar 99 5:02 pm

Tgt Ion:188.1 Resp: 110310

Ion	Ratio	Lower	Upper
188	100		
94	13.9	11.6	17.3
80	19.2	13.7	20.5
0	0.0	0.0	0.0

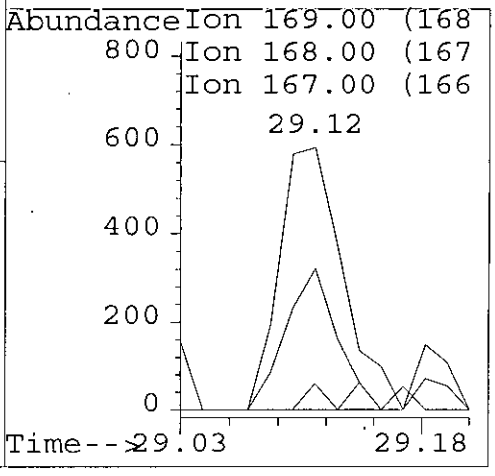


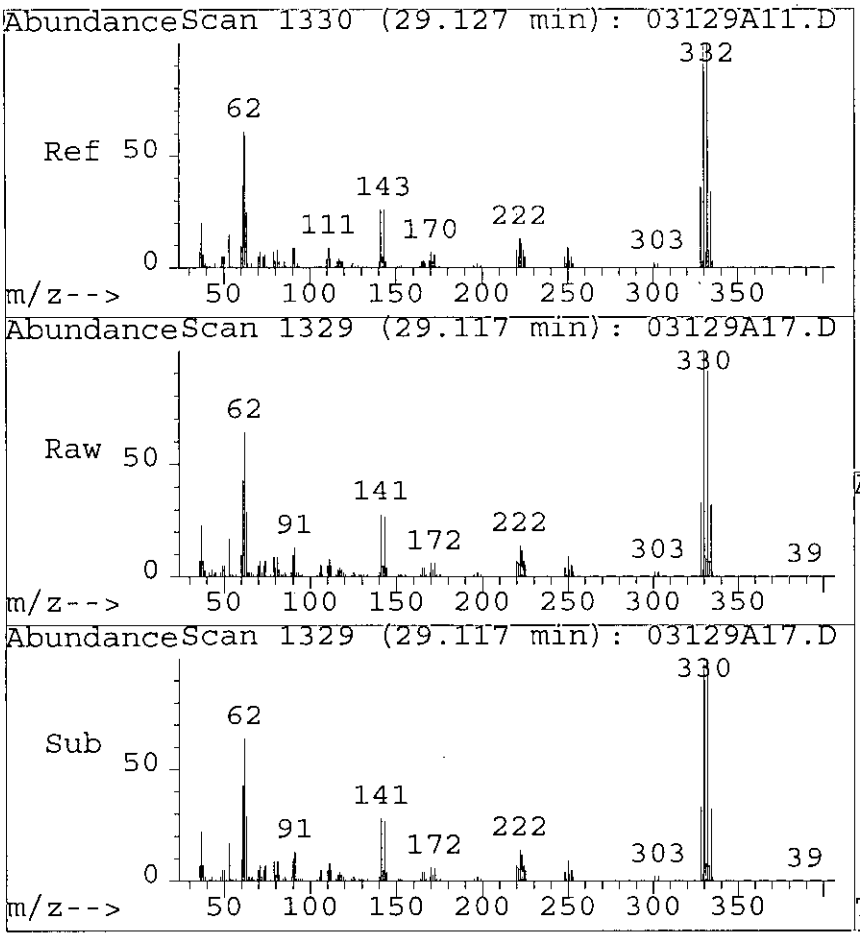


#56
N-NITROSODIPHENYLAMINE
Concen: 1.2[illegible] ug/ml
RT: 29.12 min Scan# 1329
Delta R.T. 0.37 min
Lab File: 03129a17.d
Acq: 13 Mar 99 5:02 pm

Tgt Ion:169 Resp: 1651

Ion	Ratio	Lower	Upper
169	100		
168	10.1	60.5	90.7#
167	54.0	31.4	47.1#
0	0.0	0.0	0.0

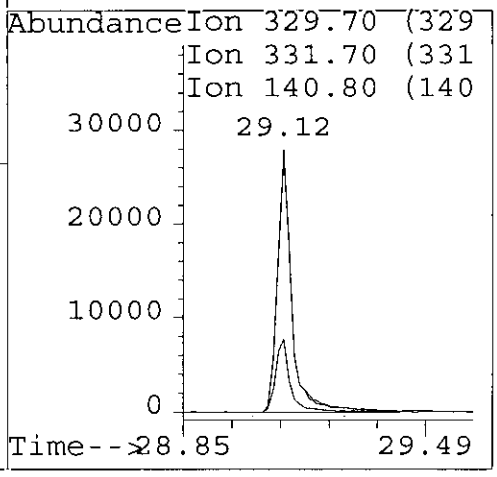


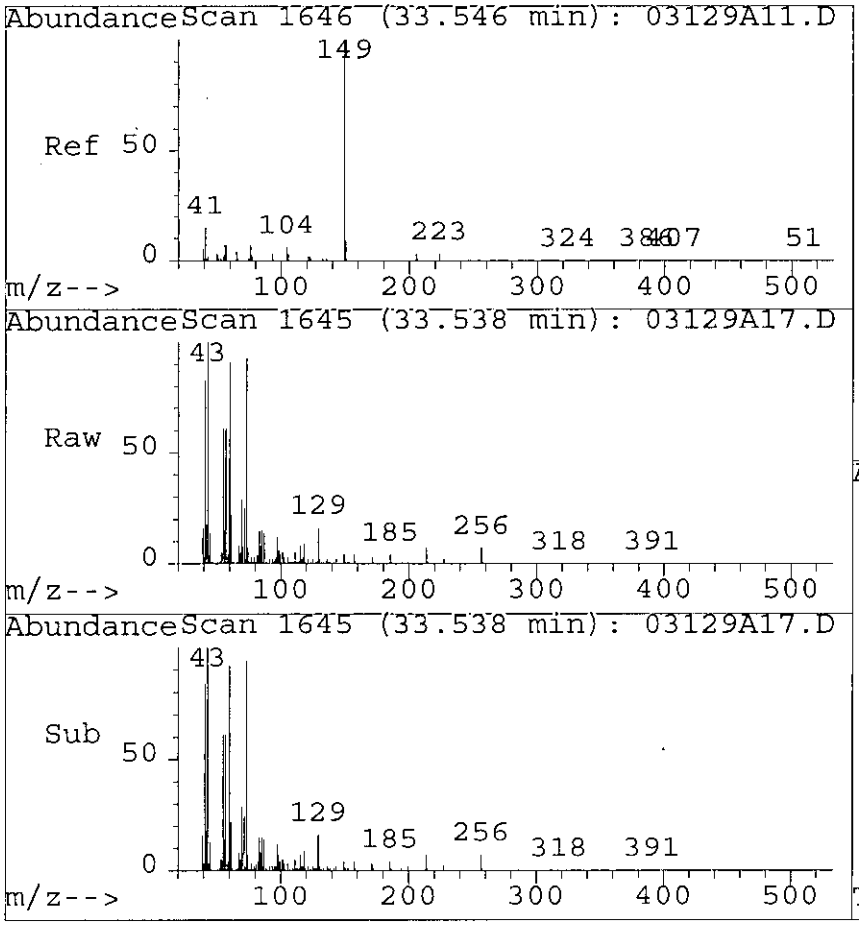


#58
2,4,6-TRIBROMOPHENOL
Concen: 164.73 ug/ml
RT: 29.12 min Scan# 1329
Delta R.T. -0.01 min
Lab File: 03129a17.d
Acq: 13 Mar 99 5:02 pm

Tgt Ion:329.7 Resp: 74703

Ion	Ratio	Lower	Upper
330	100		
332	97.5	69.7	104.5
141	27.5	30.9	46.4#
0	0.0	0.0	0.0

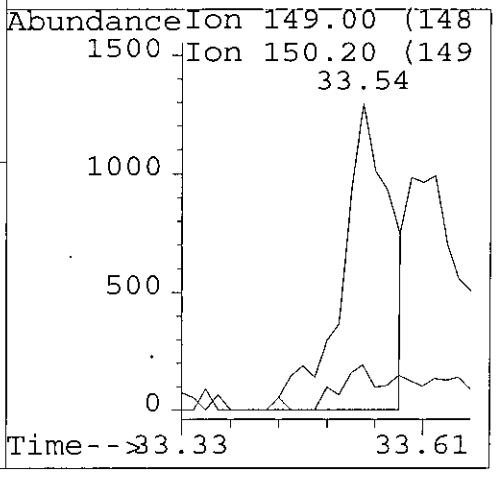


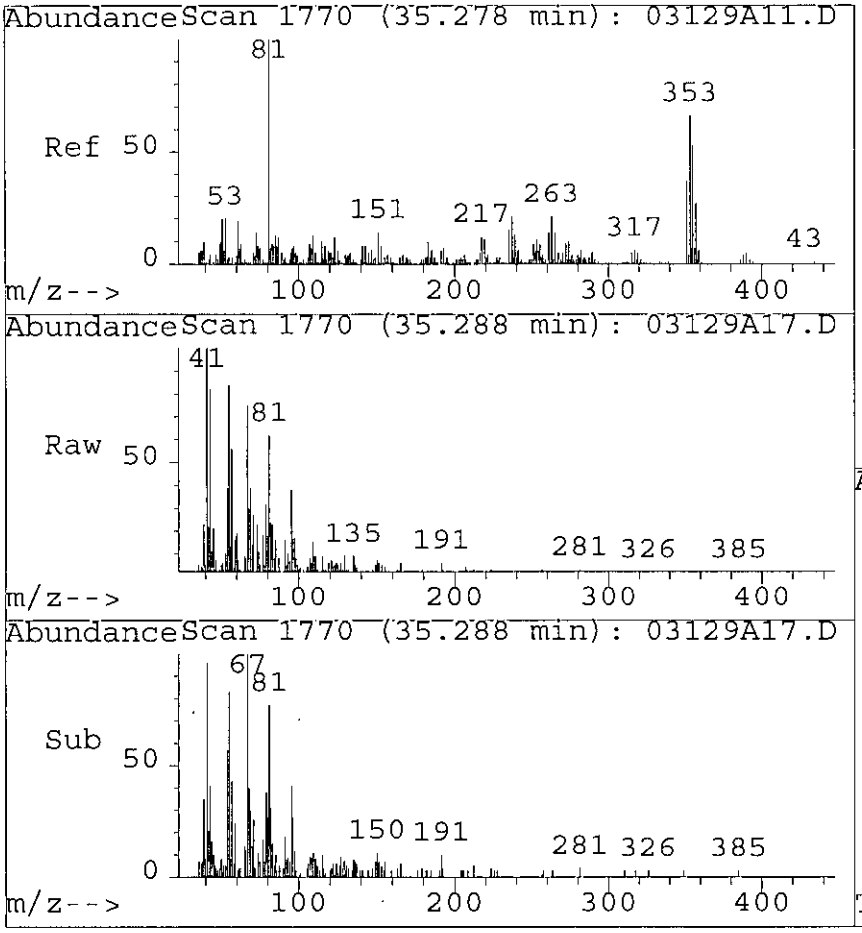


#70
DIBUTYLPHTHALATE
Concen: 1.24 ug/ml
RT: 33.54 min Scan# 1645
Delta R.T. -0.01 min
Lab File: 03129a17.d
Acq: 13 Mar 99 5:02 pm

Tgt Ion:149 Resp: 5146

Ion	Ratio	Lower	Upper
149	100		
150	15.0	7.1	10.6#
0	0.0	0.0	0.0
0	0.0	0.0	0.0

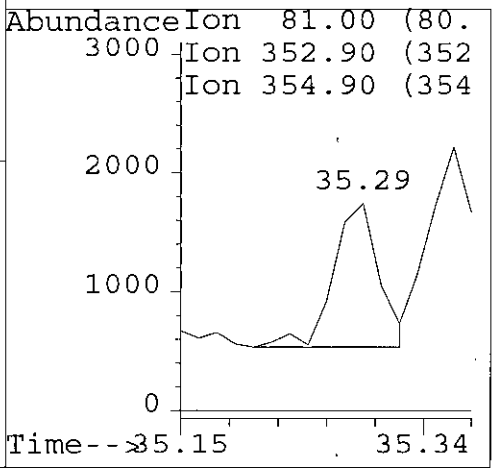


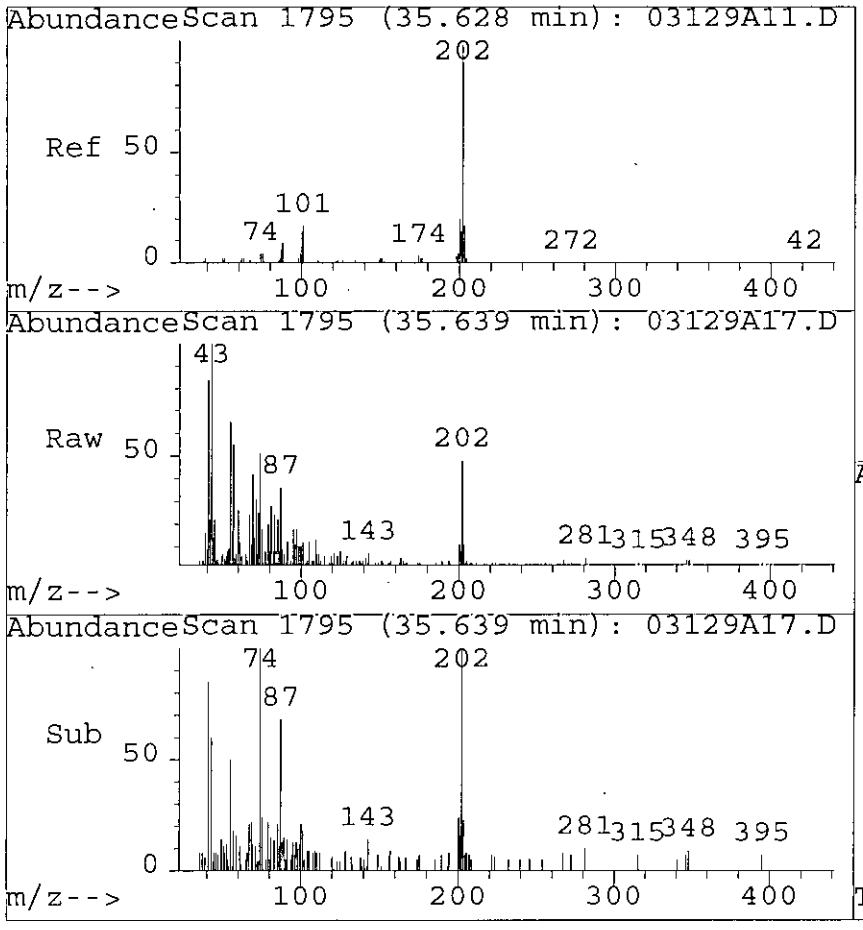


#72
HEPTACHLOR EPOXIDE
Concen: 6.41 ug/ml
RT: 35.29 min Scan# 1770
Delta R.T. 0.01 min
Lab File: 03129a17.d
Acq: 13 Mar 99 5:02 pm

Tgt Ion:81 Resp: 2961

Ion	Ratio	Lower	Upper
81	100		
353	0.0	32.2	48.3#
355	0.0	30.8	46.1#
0	0.0	0.0	0.0

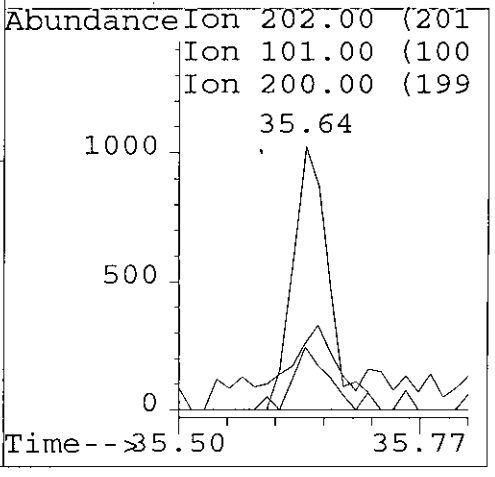


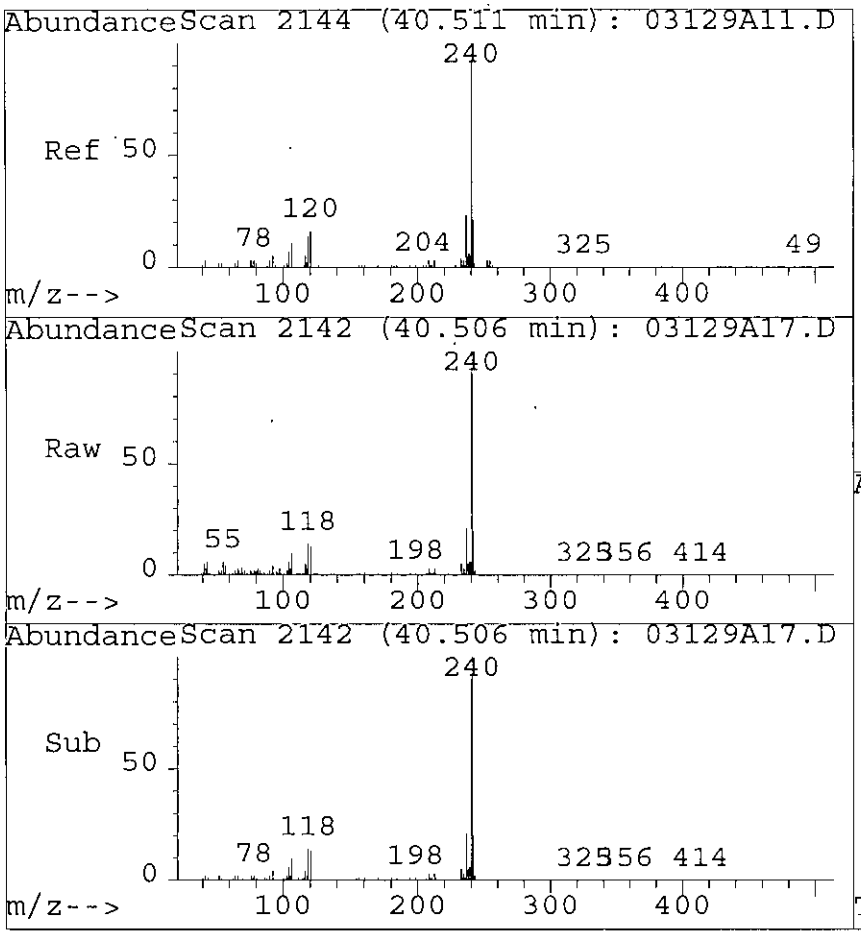


#73
FLUORANTHENE
Concen: 0.92 ug/ml
RT: 35.64 min Scan# 1795
Delta R.T. 0.01 min
Lab File: 03129a17.d
Acq: 13 Mar 99 5:02 pm

Tgt Ion:202 Resp: 2832

Ion	Ratio	Lower	Upper
202	100		
101	25.7	15.4	23.1#
200	24.1	16.2	24.3
0	0.0	0.0	0.0

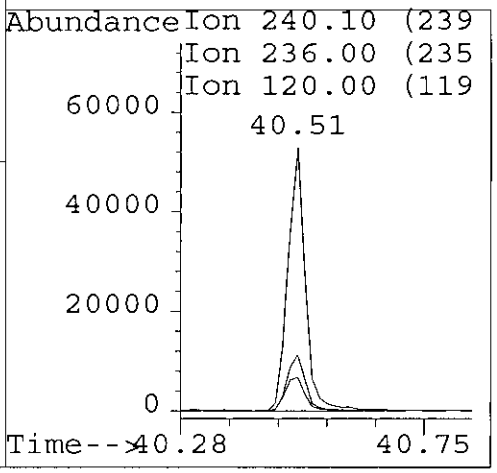


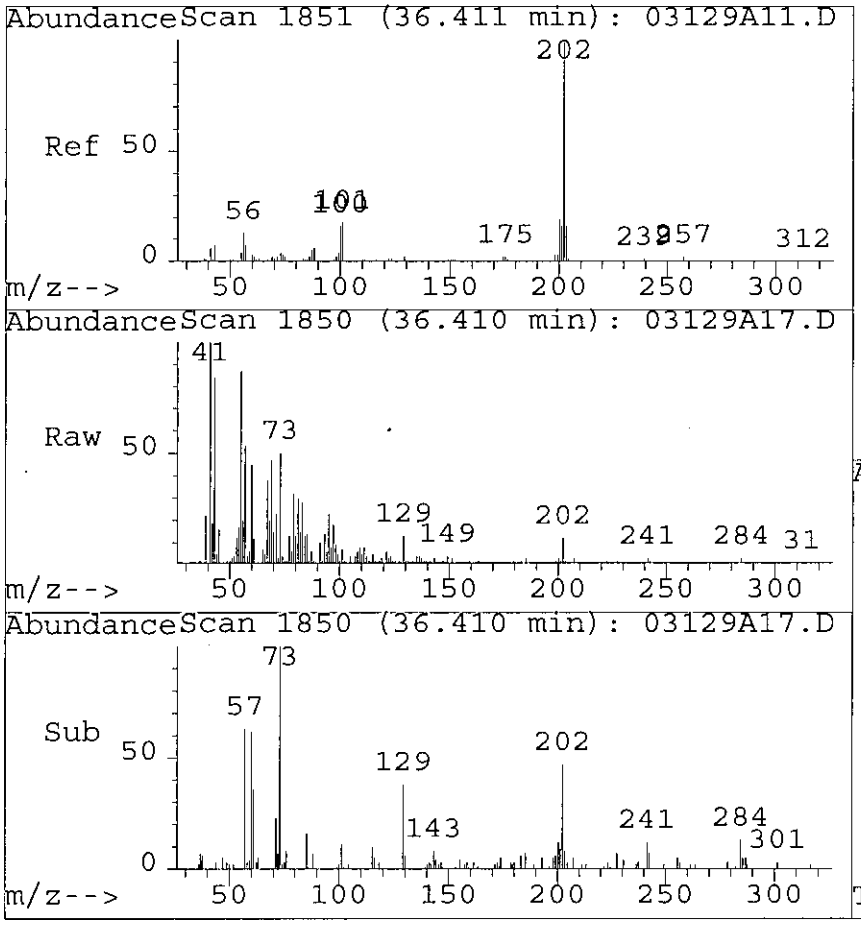


#74
CHRYSENE-D12
Concen: 40.00 ug/ml
RT: 40.51 min Scan# 2142
Delta R.T. -0.01 min
Lab File: 03129a17.d
Acq: 13 Mar 99 5:02 pm

Tgt Ion:240.1 Resp: 123023

Ion	Ratio	Lower	Upper
240	100		
236	21.4	20.6	30.9
120	13.0	17.5	26.2#
0	0.0	0.0	0.0

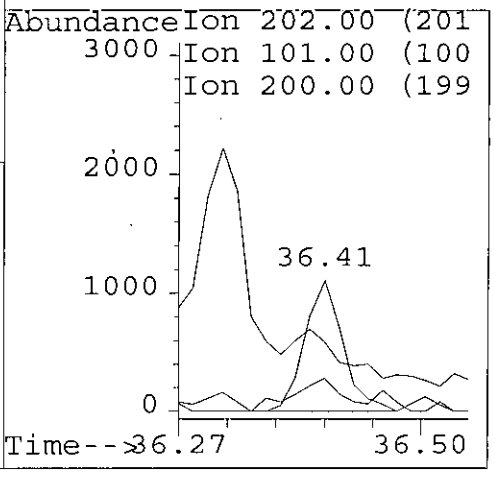


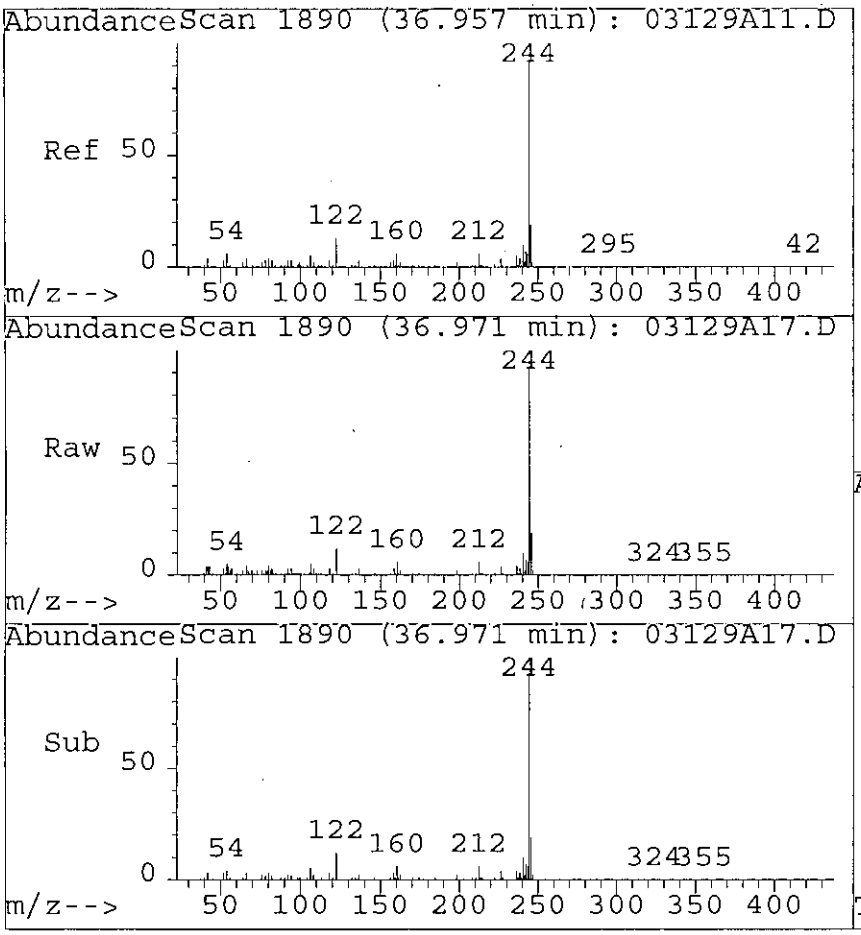


#75
PYRENE
Concen: 0.78 ug/ml
RT: 36.41 min Scan# 1850
Delta R.T. -0.00 min
Lab File: 03129a17.d
Acq: 13 Mar 99 5:02 pm

Tgt Ion:202 Resp: 2823

Ion	Ratio	Lower	Upper
202	100		
101	53.0	18.5	27.8#
200	25.2	16.4	24.5#
0	0.0	0.0	0.0

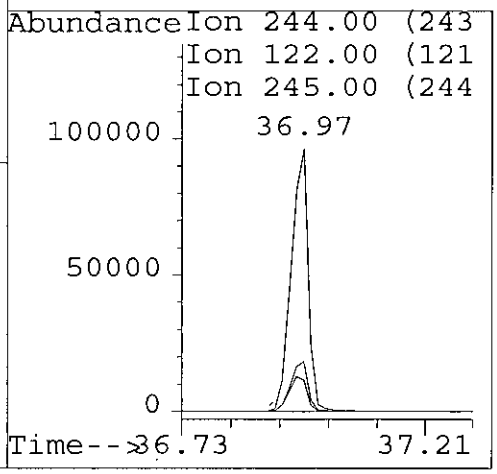


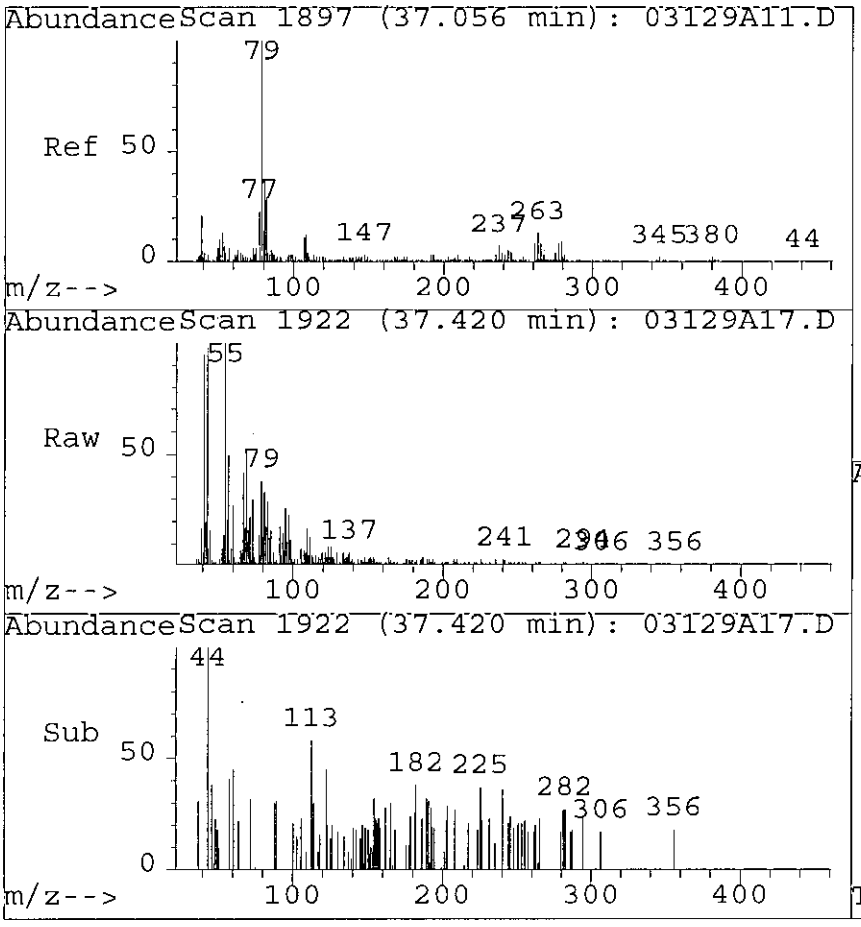


#78
P-TERPHENYL-D14
Concen: 73.30 ug/ml
RT: 36.97 min Scan# 1890
Delta R.T. 0.01 min
Lab File: 03129a17.d
Acq: 13 Mar 99 5:02 pm

Tgt Ion:244 Resp: 222597

Ion	Ratio	Lower	Upper
244	100		
122	11.9	15.3	23.0#
245	19.1	15.6	23.3
0	0.0	0.0	0.0

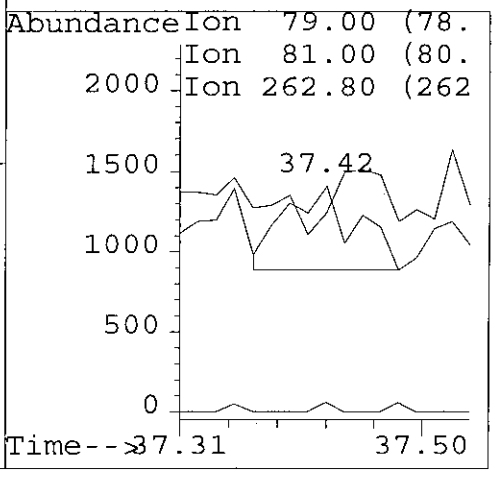


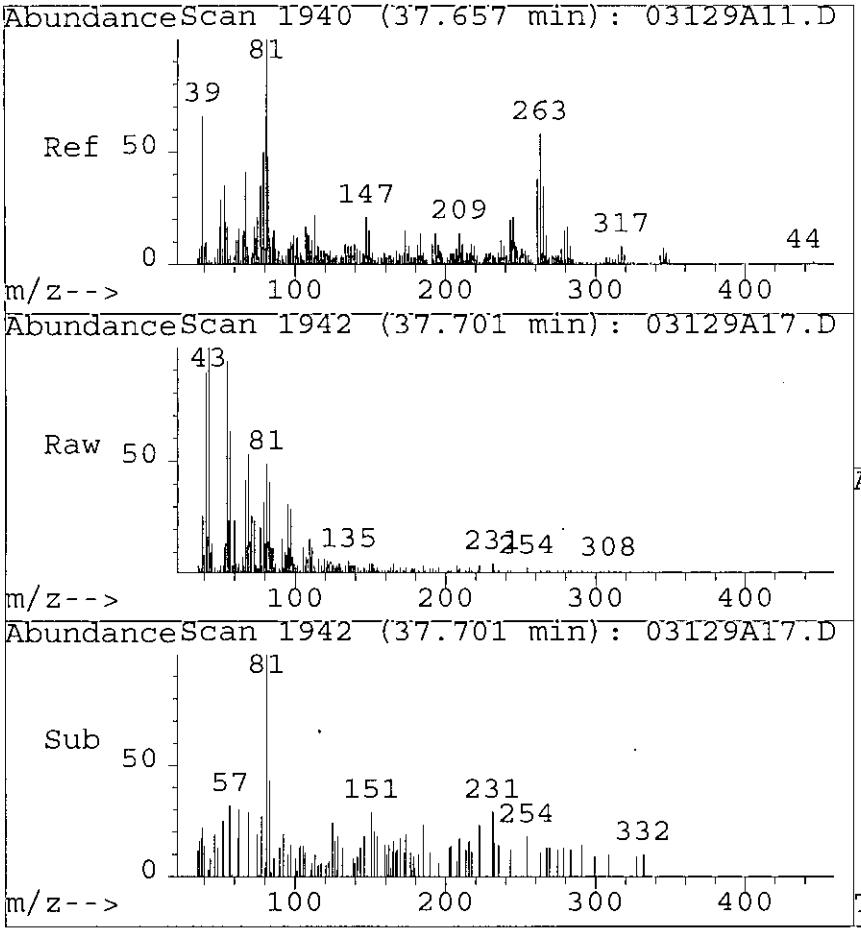


#79
DIELDRIN
Concen: 1.96 ug/ml
RT: 37.42 min Scan# 1922
Delta R.T. 0.36 min
Lab File: 03129a17.d
Acq: 13 Mar 99 5:02 pm

Tgt Ion:79 Resp: 1972

Ion	Ratio	Lower	Upper
79	100		
81	88.4	27.4	41.1#
263	4.3	8.0	11.9#
0	0.0	0.0	0.0

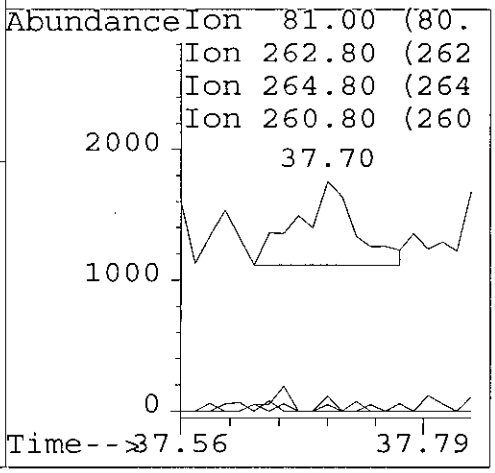


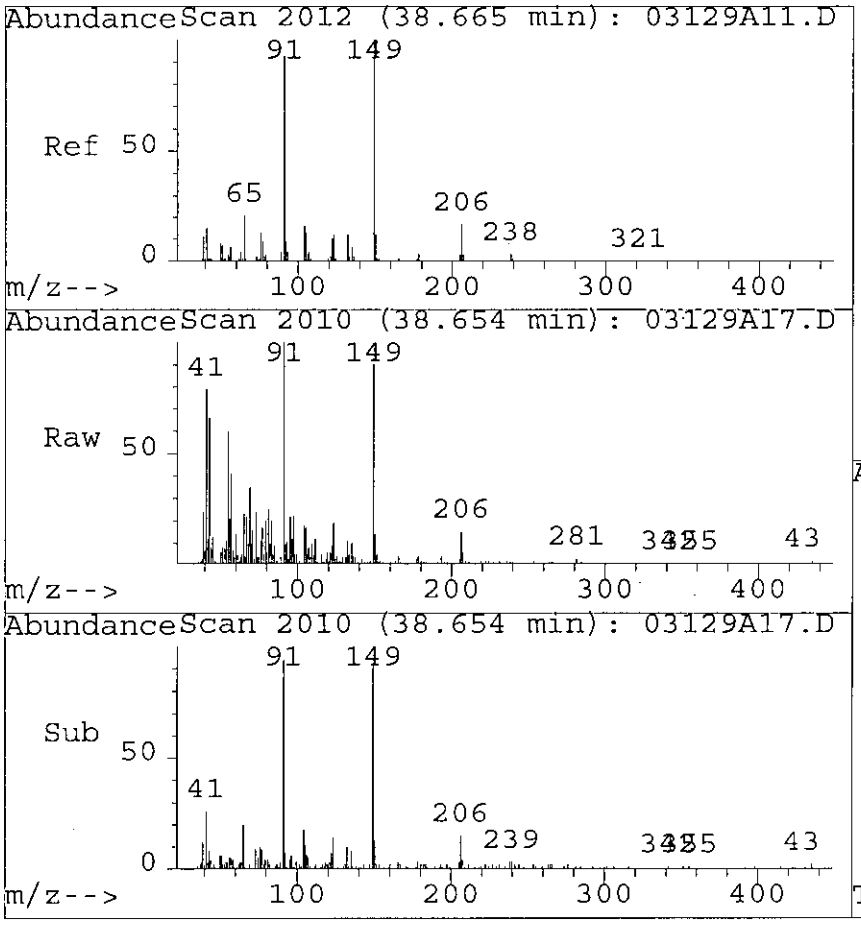


#80
ENDRIN
Concen: 7.81 ug/ml
RT: 37.70 min Scan# 1942
Delta R.T. 0.04 min
Lab File: 03129a17.d
Acq: 13 Mar 99 5:02 pm

Tgt Ion:81 Resp: 2467

Ion	Ratio	Lower	Upper
81	100		
263	6.5	35.7	53.6#
265	2.8	24.4	36.5#
261	0.0	24.6	36.9#

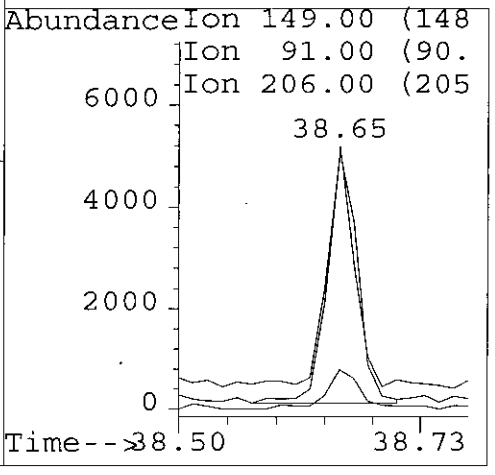


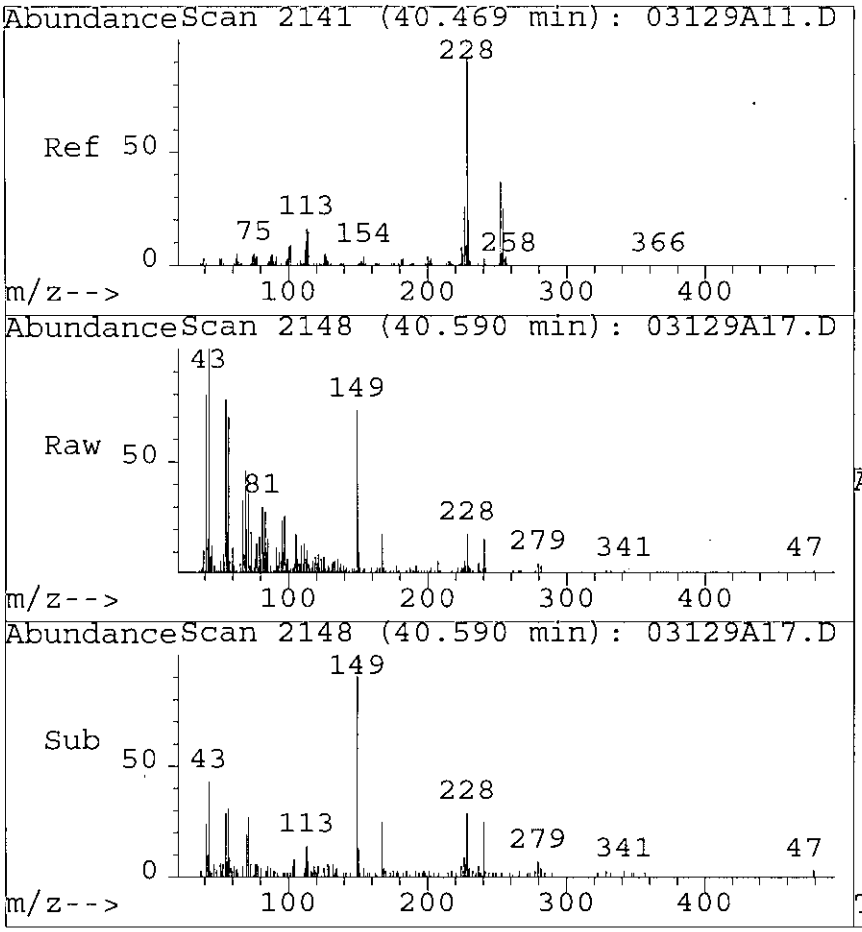


#83
BUTYLBENZYLPHTHALATE
Concen: 4.88 ug/ml
RT: 38.65 min Scan# 2010
Delta R.T. -0.01 min
Lab File: 03129a17.d
Acq: 13 Mar 99 5:02 pm

Tgt Ion:149 Resp: 10181

Ion	Ratio	Lower	Upper
149	100		
91	102.1	65.3	97.8#
206	15.5	11.5	17.2
0	0.0	0.0	0.0

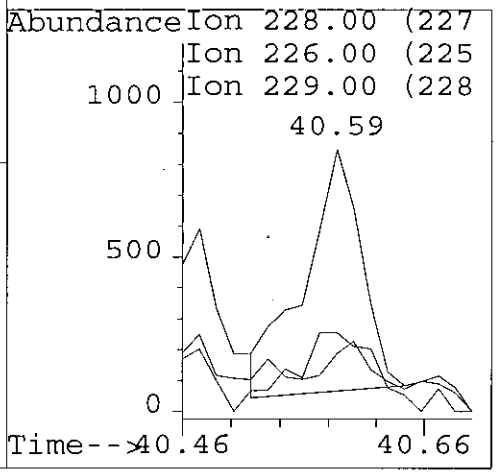


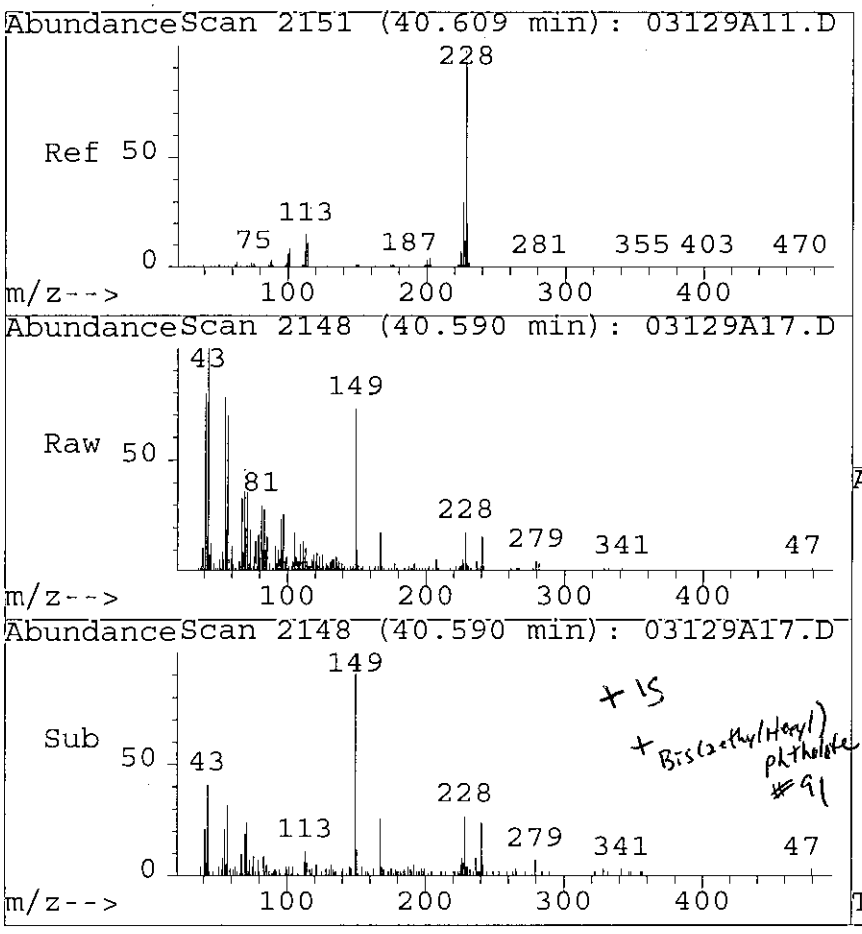


#89
BENZ(A)ANTHRACENE
Concen: 0.80 ug/ml
RT: 40.59 min Scan# 2148
Delta R.T. 0.12 min
Lab File: 03129a17.d
Acq: 13 Mar 99 5:02 pm

Tgt Ion:228 Resp: 2554

Ion	Ratio	Lower	Upper
228	100		
226	30.2	22.6	33.9
229	22.0	16.8	25.1
0	0.0	0.0	0.0

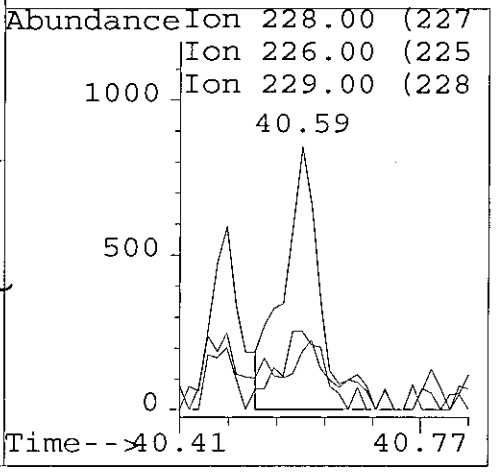




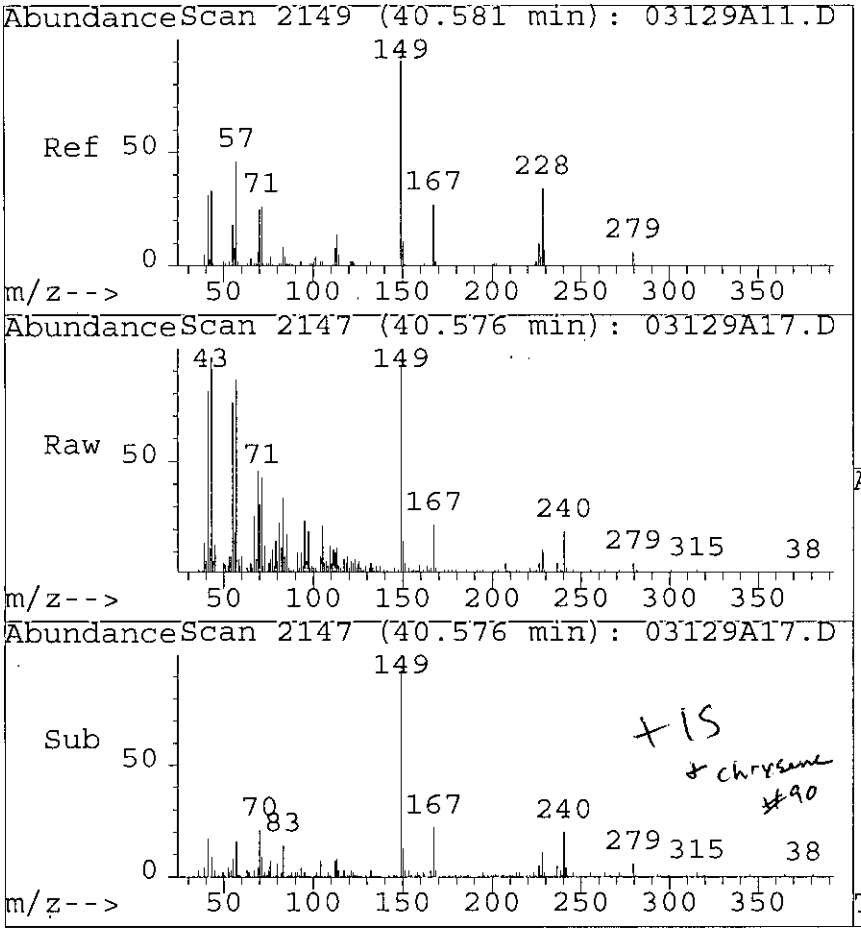
#90
CHRYSENE
Concen: 1.10 ug/ml
RT: 40.59 min Scan# 2148
Delta R.T. -0.02 min
Lab File: 03129a17.d
Acq: 13 Mar 99 5:02 pm

Tgt Ion:228 Resp: 3338

Ion	Ratio	Lower	Upper
228	100		
226	30.2	22.1	33.1
229	22.0	16.2	24.3
0	0.0	0.0	0.0



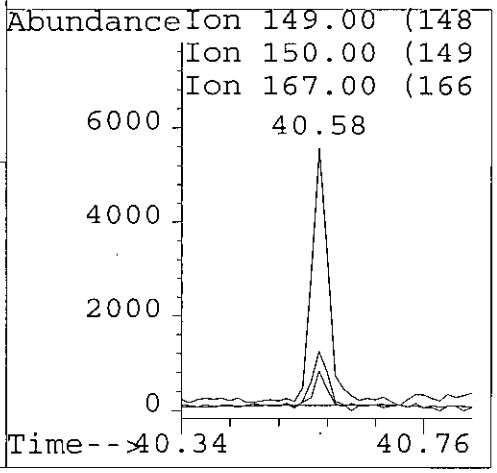
+IS
+ Bis(2-ethylhexyl) phthalate #91

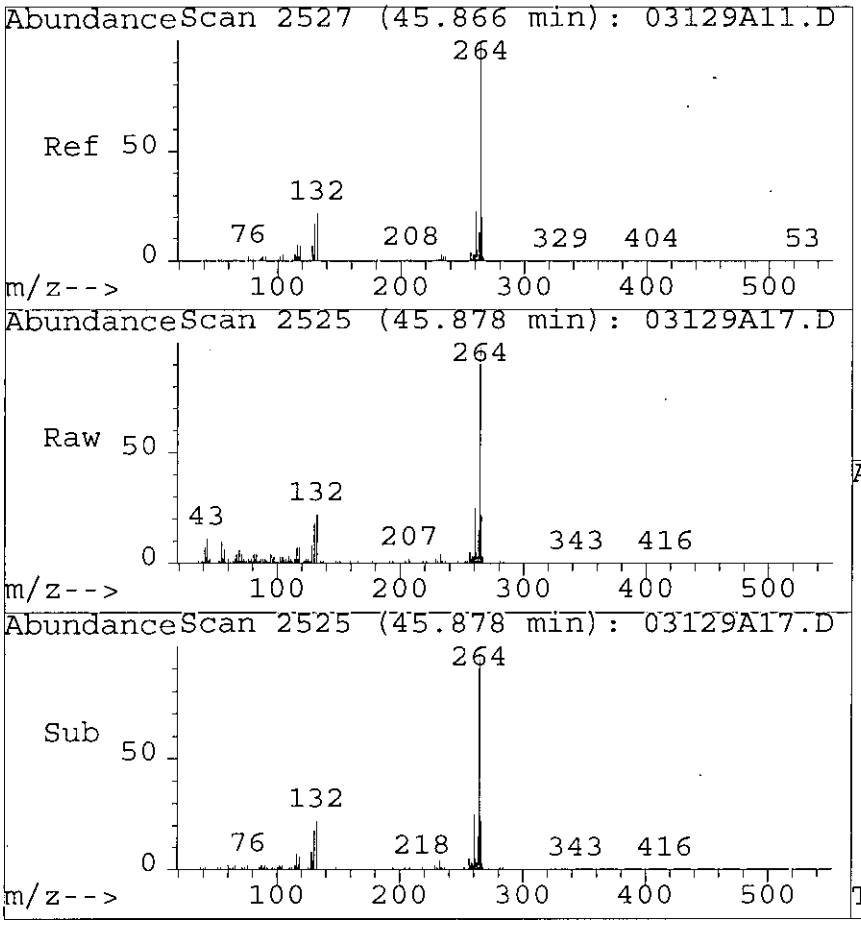


#91
BIS(2-ETHYLHEXYL)PHTHALATE
Concen: 4.17 ug/ml
RT: 40.58 min Scan# 2147
Delta R.T. -0.01 min
Lab File: 03129a17.d
Acq: 13 Mar 99 5:02 pm

Tgt Ion:149 Resp: 11908

Ion	Ratio	Lower	Upper
149	100		
150	14.9	9.5	14.2#
167	22.5	20.5	30.7
0	0.0	0.0	0.0

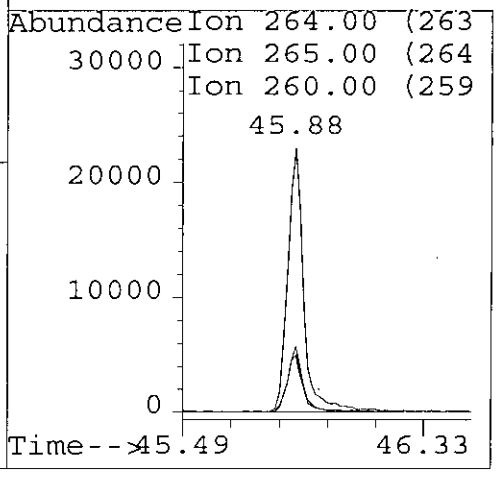


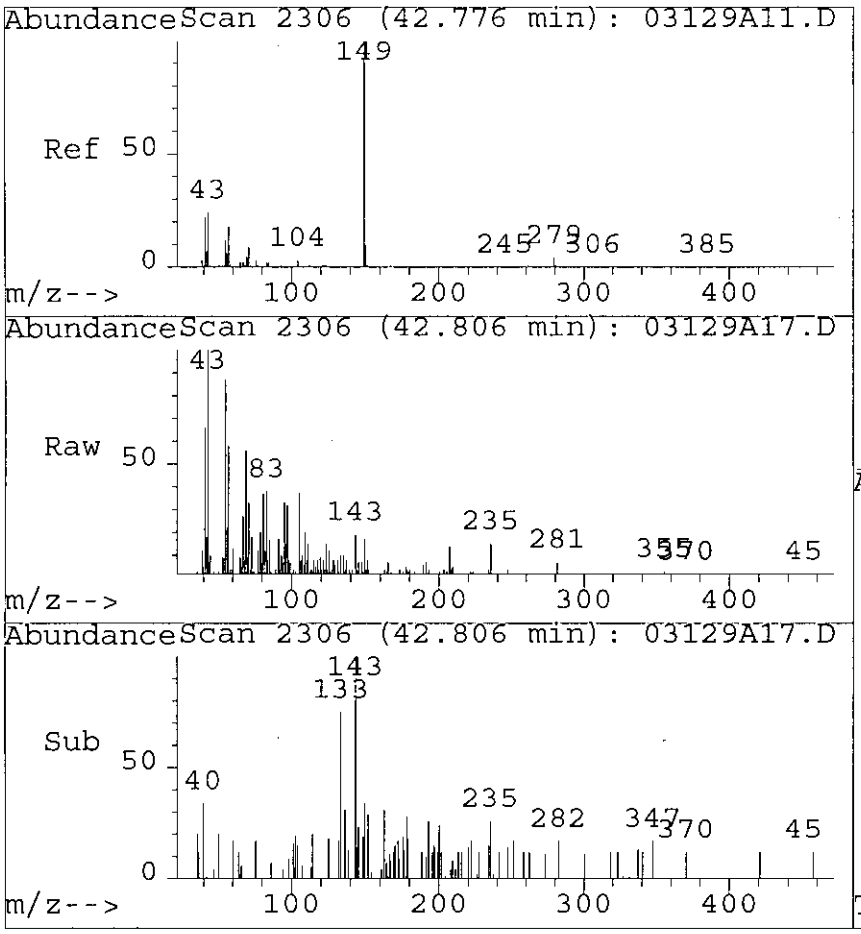


#92
PERYLENE-D12
Concen: 40.00 ug/ml
RT: 45.88 min Scan# 2525
Delta R.T. 0.01 min
Lab File: 03129a17.d
Acq: 13 Mar 99 5:02 pm

Tgt Ion:264 Resp: 90285

Ion	Ratio	Lower	Upper
264	100		
265	21.8	17.1	25.6
260	25.2	19.3	28.9
0	0.0	0.0	0.0

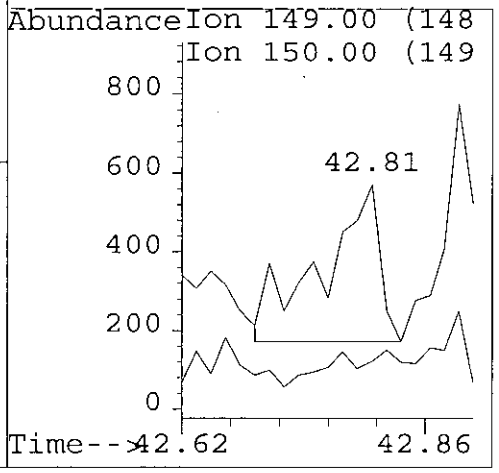


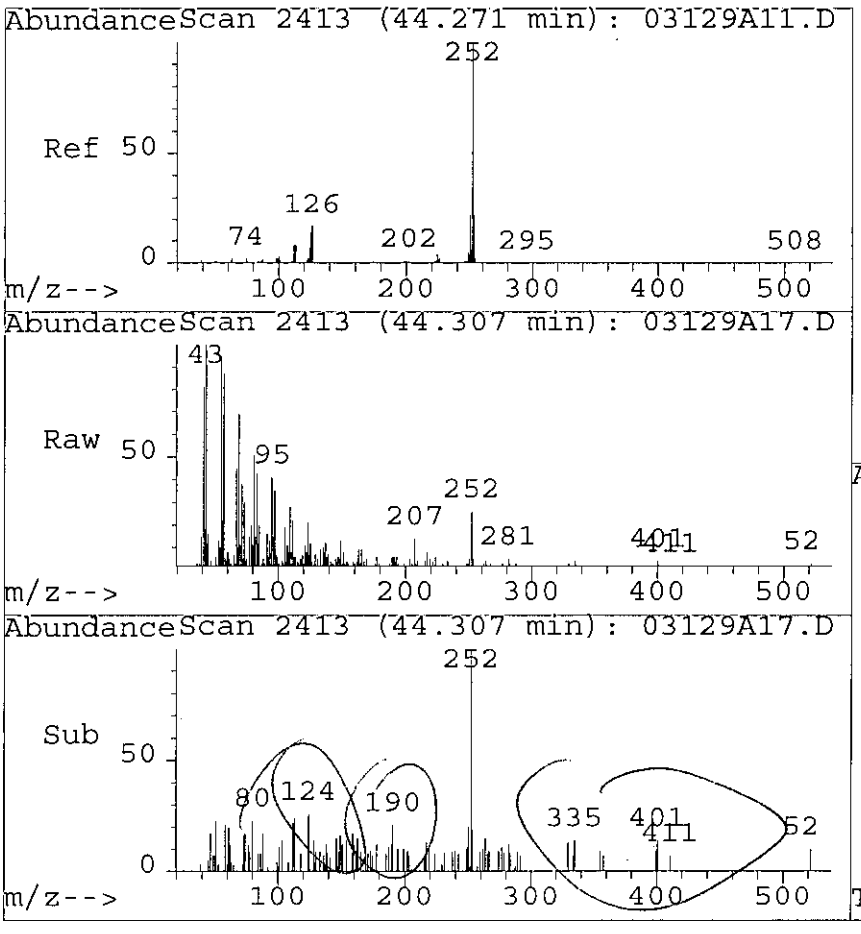


#93
DI-N-OCTYLPHTHALATE
Concen: 0.37 ug/ml
RT: 42.81 min Scan# 2306
Delta R.T. 0.03 min
Lab File: 03129a17.d
Acq: 13 Mar 99 5:02 pm

Tgt Ion:149 Resp: 1517

Ion	Ratio	Lower	Upper
149	100		
150	21.6	8.1	12.1#
0	0.0	0.0	0.0
0	0.0	0.0	0.0

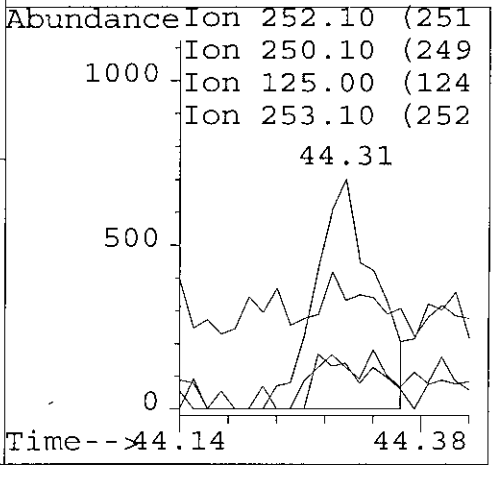


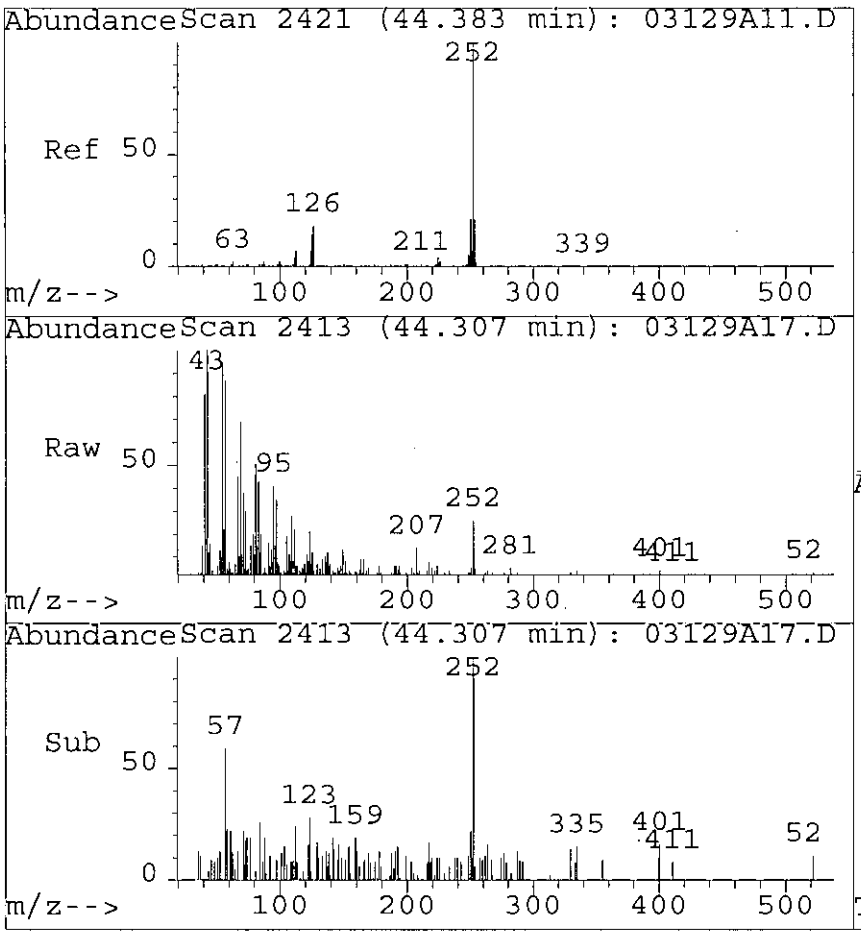


#94
BENZO(B)FLUORANTHENE
Concen: 1.01 ug/ml
RT: 44.31 min Scan# 2413
Delta R.T. 0.04 min
Lab File: 03129a17.d
Acq: 13 Mar 99 5:02 pm

Tgt Ion:252.1 Resp: 2969

Ion	Ratio	Lower	Upper
252	100		
250	20.2	20.5	30.8#
125	47.4	18.1	27.2#
253	18.5	17.2	25.7

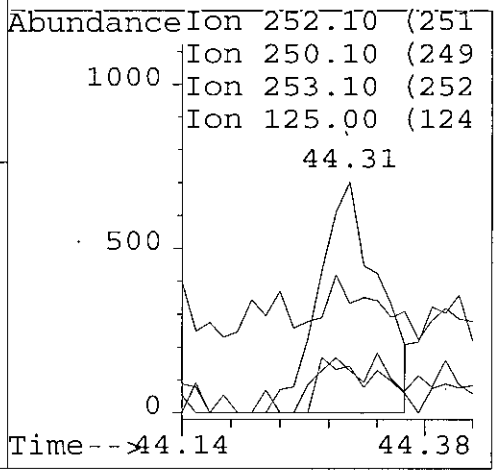


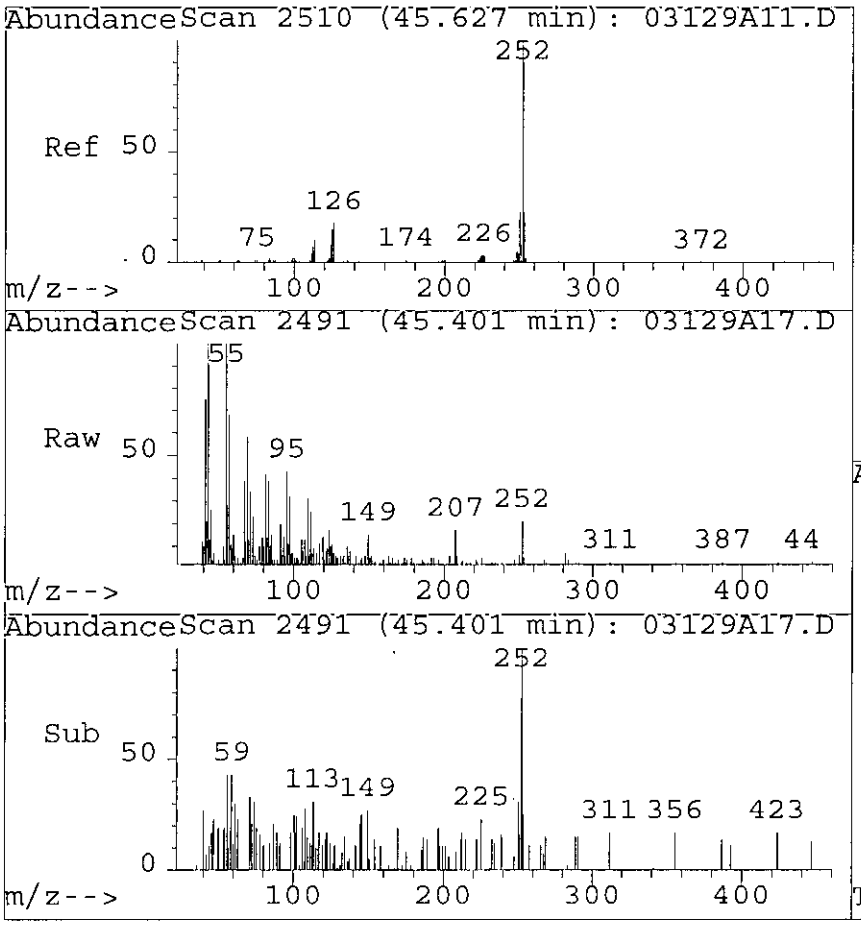


#95
BENZO(K)FLUORANTHENE
Concen: 0.95 ug/ml
RT: 44.31 min Scan# 2413
Delta R.T. -0.08 min
Lab File: 03129a17.d
Acq: 13 Mar 99 5:02 pm

Tgt Ion:252.1 Resp: 2969

Ion	Ratio	Lower	Upper
252	100		
250	20.2	18.5	27.7
253	18.5	17.2	25.7
125	47.4	18.2	27.3#

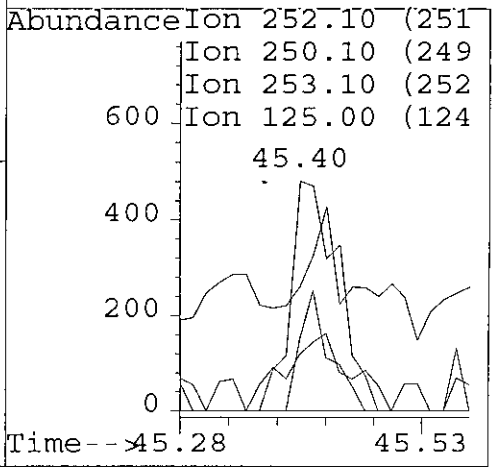




#96
BENZO(A)PYRENE
Concen: 0.61 ug/ml
RT: 45.40 min Scan# 2491
Delta R.T. -0.23 min
Lab File: 03129a17.d
Acq: 13 Mar 99 5:02 pm

Tgt Ion:252.1 Resp: 1697

Ion	Ratio	Lower	Upper
252	100		
250	31.2	18.7	28.0#
253	24.7	15.9	23.8#
125	54.3	19.6	29.3#



TIC: 03129A17.D

67835

Peak#	Ret Time	Type	Width	Area	Start Time	End Time
1	10.668	rVB	0.112	36505	10.612	10.724
2	10.892	rVB	0.182	114789	10.780	10.962
3	11.087	rBV	0.112	148092	11.018	11.129
4	11.185	rVB	0.112	109739	11.129	11.241
5	11.311	rBV	0.126	242505	11.241	11.366
6	11.492	rBV	0.195	2639217	11.366	11.562
7	11.729	rBV	0.084	220906	11.673	11.757
8	11.785	rVB	0.112	172814	11.771	11.883
9	11.939	rBV	0.070	140998	11.883	11.953
10	11.981	rVB	0.098	161275	11.953	12.051
11	12.176	rBV	0.181	309055 unknown VOA	12.051	12.232
12	12.274	rVV	0.098	91324	12.232	12.330
13	12.442	rBV	0.182	734472-S	12.386	12.568
14	12.665	rVV	0.070	94211	12.624	12.694
15	12.791	rVB	0.084	102811	12.750	12.833
16	12.903	rBV	0.098	79427	12.833	12.931
17	13.001	rVB	0.084	283726	12.959	13.043
18	13.350	rBV	0.182	142322	13.211	13.392
19	13.448	rBV	0.084	46355	13.406	13.490
20	13.658	rBV	0.126	57798	13.574	13.700
21	13.728	rVV	0.070	82418	13.700	13.770
22	13.798	rVB	0.112	51189	13.770	13.882
23	13.938	rBV	0.084	142537	13.882	13.966
24	13.994	rVV	0.098	136446	13.966	14.064
25	14.106	rVB	0.098	146393	14.064	14.162
26	14.232	rBV	0.098	36887	14.162	14.260
27	14.301	rVB	0.070	21483	14.260	14.330
28	14.385	rVB	0.084	16270	14.330	14.413
29	14.497	rBV	0.168	147341	14.413	14.581
30	14.679	rVB	0.126	102380	14.581	14.708
31	14.763	rVB	0.168	154793	14.721	14.889
32	14.945	rVB	0.098	49221	14.889	14.987
33	15.043	rVB	0.112	234996 column bleed	14.987	15.099
34	15.141	rBV	0.070	14623	15.099	15.169
35	15.211	rBV	0.070	17314	15.169	15.239
36	15.281	rBV	0.238	893576-S	15.239	15.477
37	15.631	rBV	0.252	1078565-S	15.561	15.813
38	15.883	rVB	0.098	27762	15.841	15.939
39	16.148	rVB	0.126	17557	16.079	16.204
40	16.275	rVV	0.210	312086-IS	16.204	16.414
41	16.498	rVV	0.056	13116	16.470	16.526
42	16.582	rVV	0.084	22671	16.526	16.610
43	16.666	rVV	0.070	19882	16.624	16.694
44	16.764	rVV	0.182	420828-S	16.694	16.876
45	16.932	rVV	0.084	14771	16.876	16.960
46	17.030	rVV	0.196	86891	16.960	17.156
47	17.282	rVB	0.168	45101	17.212	17.379
48	17.435	rBV	0.154	28104	17.379	17.533
49	18.121	rBV	0.377	495046-S	18.009	18.386
50	18.694	rBV	0.168	90314	18.596	18.764
51	19.309	rBV	0.126	10149	19.239	19.365
52	19.532	rBV	0.139	10024	19.476	19.616
53	20.427	rBV	0.266	336375-IS	20.315	20.581
54	21.852	rBV	0.210	26847	21.740	21.950
55	22.229	rVB	0.126	43863	22.146	22.271

56	22.439	rVB	0.112	10930	22.369	22.481
57	22.593	rBV	0.126	14240	22.481	22.606
58	23.137	rBV	0.223	47260	23.012	23.235
59	23.375	rVB	0.112	12851	23.333	23.444
60	23.752	rBV	0.112	13023	23.696	23.808
61	23.905	rBV	0.098	10455	23.850	23.947
62	24.003	rBV	0.084	15801	23.947	24.031
63	24.101	rVV	0.252	542520-S	24.031	24.283
64	24.381	rVB	0.098	10562	24.325	24.423
65	24.493	rBV	0.126	12197	24.423	24.549
66	25.387	rVB	0.084	13204	25.345	25.429
67	25.569	rBV	0.112	12060	25.513	25.624
68	26.197	rVB	0.112	10238	26.183	26.295
69	26.378	rVV	0.252	350588-IS	26.295	26.546
70	27.091	rBV	0.112	12576	27.049	27.161
71	27.300	rVV	0.196	25761	27.231	27.426
72	27.846	rBV	0.112	22386	27.776	27.887
73	28.181	rBV	0.112	11379	28.097	28.208
74	29.117	rBV	0.224	629510-S	29.047	29.271
75	29.537	rVB	0.154	13552	29.495	29.649
76	29.691	rBV	0.112	12826	29.649	29.761
77	29.788	rBV	0.084	12656	29.761	29.844
78	29.998	rBV	0.154	22393	29.915	30.068
79	30.251	rBV	0.084	10571	30.195	30.278
80	30.516	rBV	0.154	42468	30.446	30.600
81	30.824	rBV	0.084	15519	30.782	30.866
82	31.328	rBV	0.154	14133	31.258	31.412
83	31.468	rVV	0.224	320318-IS	31.412	31.636
84	31.762	rVB	0.140	15820	31.691	31.832
85	32.013	rBV	0.112	53495	31.944	32.056
86	32.237	rBV	0.140	36729	32.139	32.279
87	32.461	rVB	0.112	10433	32.419	32.531
88	32.671	rBV	0.098	21189	32.615	32.713
89	32.741	rVV	0.070	26250	32.713	32.783
90	32.811	rVB	0.056	10663	32.783	32.839
91	32.937	rBV	0.112	51309	32.867	32.979
92	33.007	rVB	0.084	18133	32.979	33.063
93	33.118	rBV	0.070	18457	33.063	33.132
94	33.202	rVB	0.154	42787	33.146	33.300
95	33.594	rBV	0.491	3261002	33.370	33.861
96	34.841	rBV	0.098	32104	34.785	34.882
97	35.288	rBV	0.070	47607	35.246	35.316
98	35.359	rVB	0.168	153968	35.316	35.485
99	35.653	rBV	0.098	32334	35.596	35.695
100	36.101	rBV	0.463	7970180	35.723	36.186
101	36.312	rVB	0.533	2234141	36.256	36.789
102	36.971	rVB	0.238	682787-S	36.887	37.125
103	38.654	rBV	0.084	46536-T	38.612	38.696
104	40.506✓	rBV	0.112	331044-IS	40.435	40.548
105	41.838	rVB	0.197	174807	41.782	41.978
106	42.062	rVV	0.098	98243	42.006	42.105
107	42.147	rVV	0.098	85478	42.105	42.203
108	42.259	rVV	0.126	141626	42.203	42.329
109	42.385	rBV	0.070	42886	42.357	42.427
110	42.511	rVB	0.098	56490	42.469	42.567
111	42.596	rBV	0.112	60954	42.567	42.680
112	42.876	rVB	0.112	54280	42.834	42.946
113	44.770	rVB	0.112	58964	44.728	44.840
114	45.878	rVB	0.210	259886-IS	45.808	46.019

115	46.271	rBV	0.112	51307	46.229	46.341
116	47.127	rVB	0.224	69513	47.071	47.295
117	47.870	rVB	0.140	36363	47.828	47.969
118	48.432	rBV	0.112	82827	48.375	48.488
119	49.469	rVB	0.154	33011	49.413	49.567
120	50.128	rVB	0.197	138741	50.029	50.226
121	51.038	rVB	0.224	36286	50.996	51.220
122	51.570	rBV	0.070	15860	51.541	51.612
123	52.703	rBV	0.140	21390	52.619	52.759
124	54.956	rBV	0.168	20224	54.872	55.040
125	58.231	rBV	0.070	10900	58.189	58.258

Library Search Compound Report

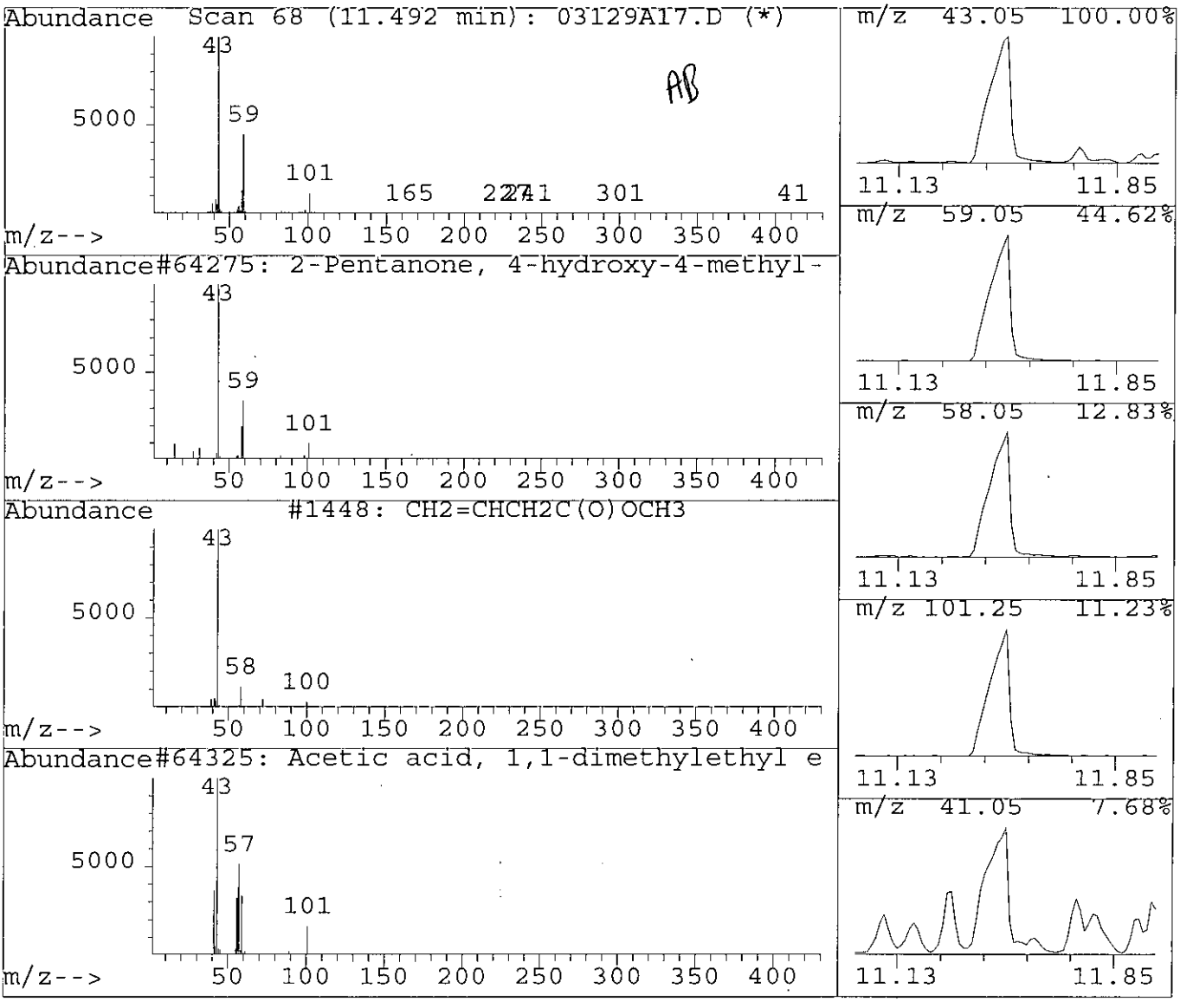
Data File : C:\HPCHEM\1\DATA\03129A17.D
Acq On : 13 Mar 99 5:02 pm
Sample : 67835
Misc : American Glue & Resin P#99187

Vial: 17
Operator: ESAT
Inst : 5988
Multiplr: 258.53

Method : C:\HPCHEM\1\METHODS\03129A02.M
Title : semivolatiles
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	R.T.
11.49	88094.82 ug/ml	2639217	1,4-DICHLOROBENZENE-D4	16.27

Hit# of 20	Tentative ID	Ref#	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	64275	000123-42-2	50
2	CH2=CHCH2C(O)OCH3	1448	003724-55-8	12
3	Acetic acid, 1,1-dimethylethyl este	64325	000540-88-5	9
4	2-Propanone, 1-(1-methylethoxy)-	3286	042781-12-4	9
5	Formamide, N,N-diethyl-	1629	000617-84-5	7



Library Search Compound Report

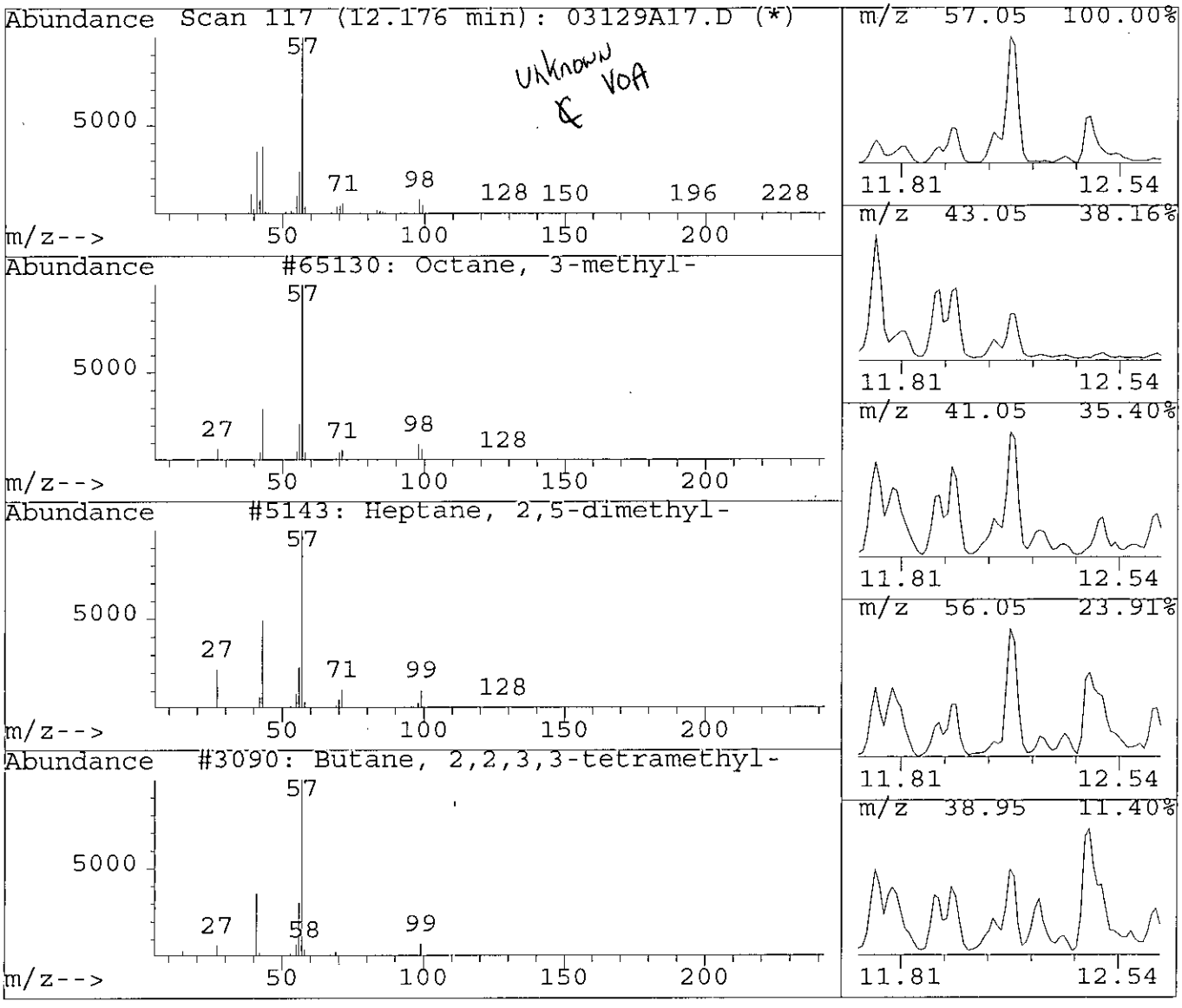
Data File : C:\HPCHEM\1\DATA\03129A17.D
Acq On : 13 Mar 99 5:02 pm
Sample : 67835
Misc : American Glue & Resin P#99187

Vial: 17
Operator: ESAT
Inst : 5988
Multiplr: 258.53

Method : C:\HPCHEM\1\METHODS\03129A02.M
Title : semivolatiles
Library : C:\DATABASE\NBS75K.L

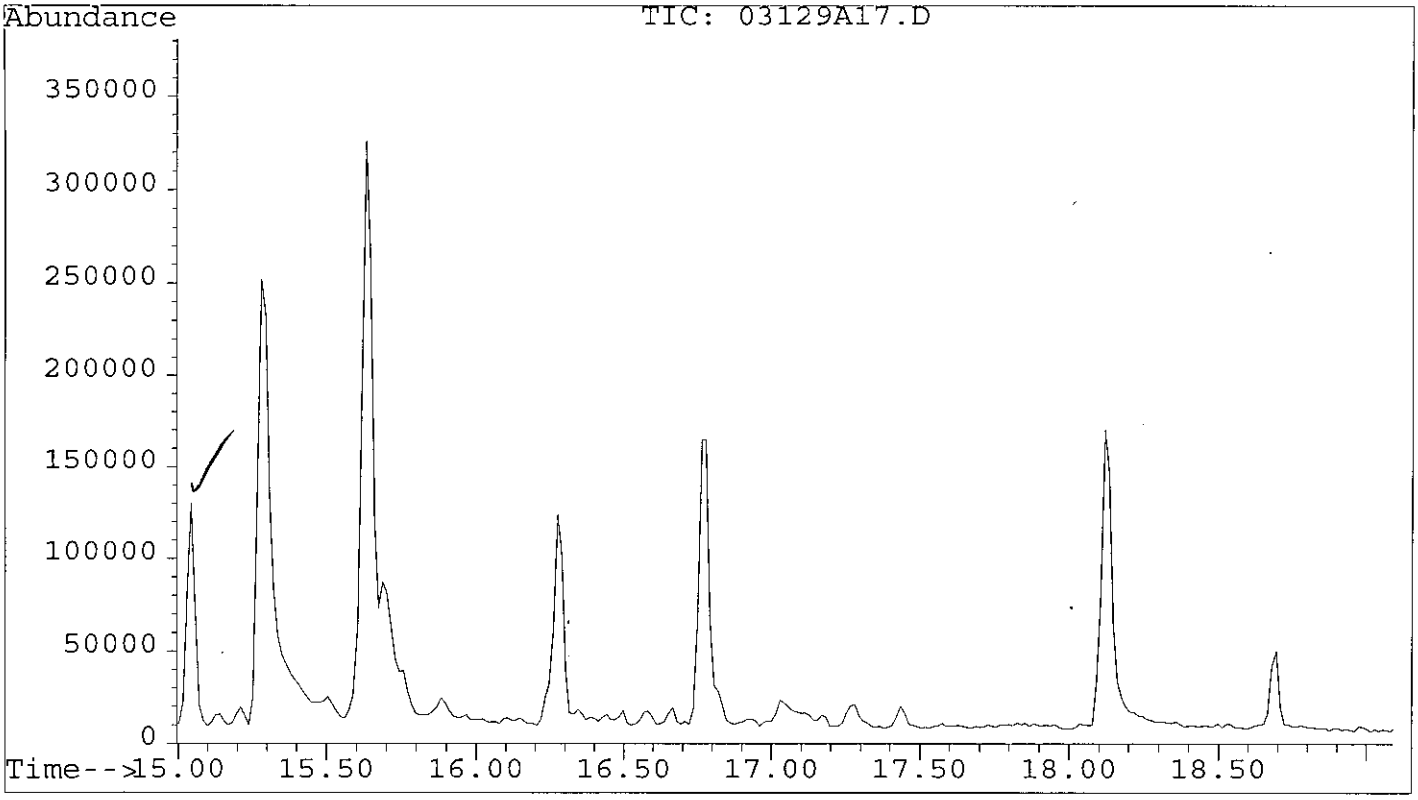
R.T.	Conc	Area	Relative to ISTD	R.T.
12.18	10315.99 ug/ml	309055	1,4-DICHLOROBENZENE-D4	16.27

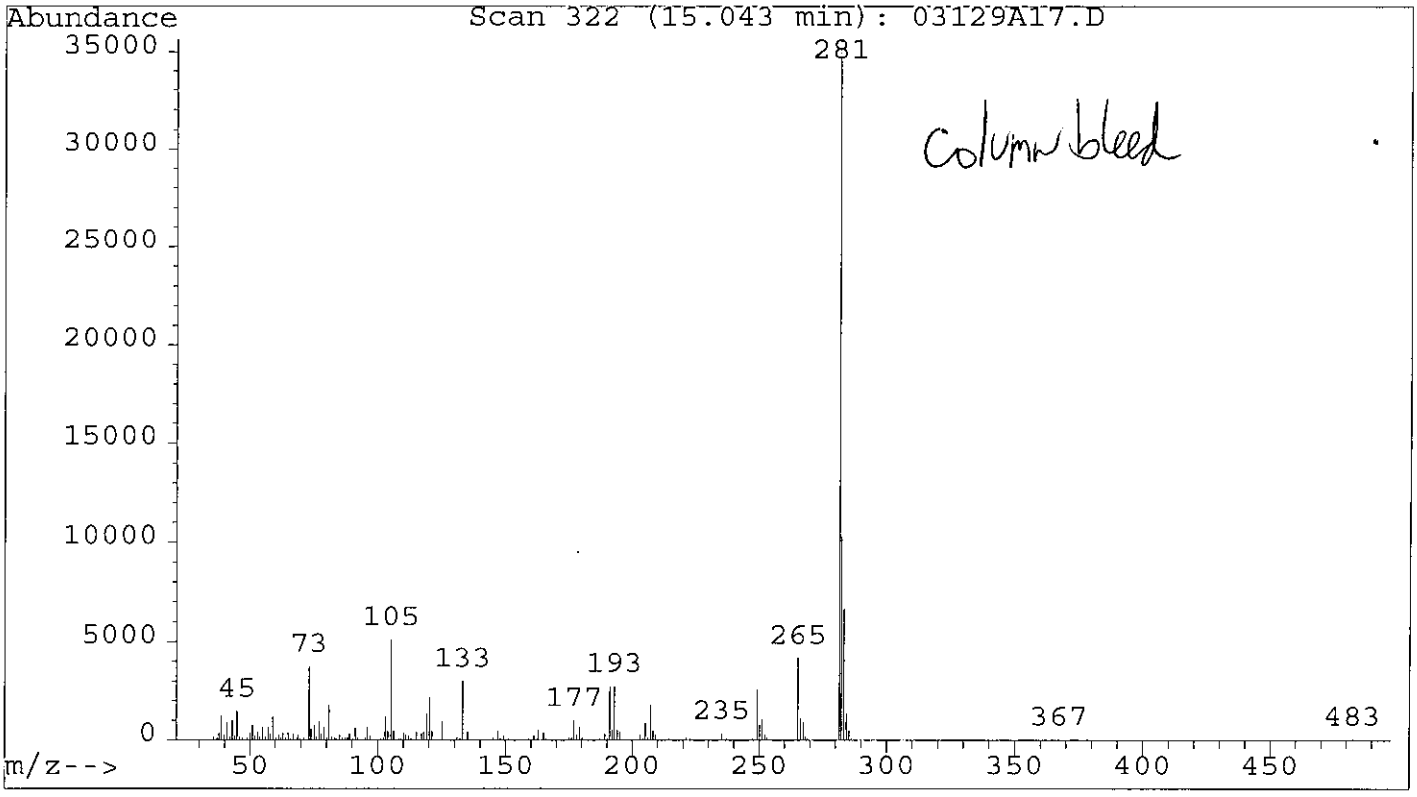
Hit# of 20	Tentative ID	Ref#	CAS#	Qual
1	Octane, 3-methyl-	65130	002216-33-3	80
2	Heptane, 2,5-dimethyl-	5143	002216-30-0	53
3	Butane, 2,2,3,3-tetramethyl-	3090	000594-82-1	53
4	Octane, 2,5,6-trimethyl-	11607	062016-14-2	50
5	Heptane, 3-bromo-	68572	001974-05-6	47



Peak #33

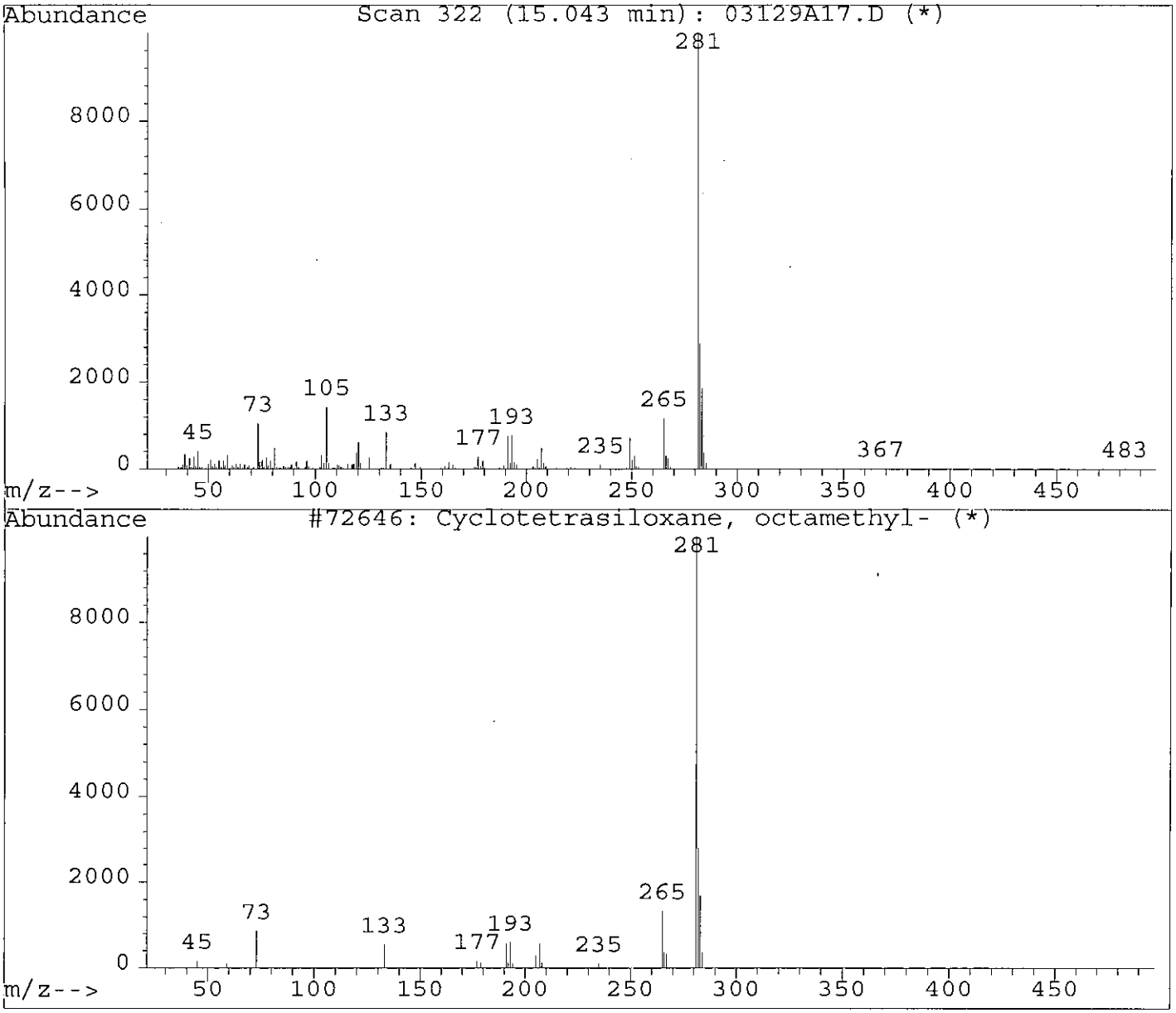
File : E:\HPCHEM\1\DATA\03129A17.D
Operator : ESAT
Acquired : 13 Mar 99 5:02 pm using AcqMethod BNALAN
Instrument : 5988
Sample Name: 67835
Misc Info : American Glue & Resin P#99187
Vial Number: 17





Column bleed

Library Searched : C:\DATABASE\NBS75K.L
Quality : 90
ID : Cyclotetrasiloxane, octamethyl-



Library Search Compound Report

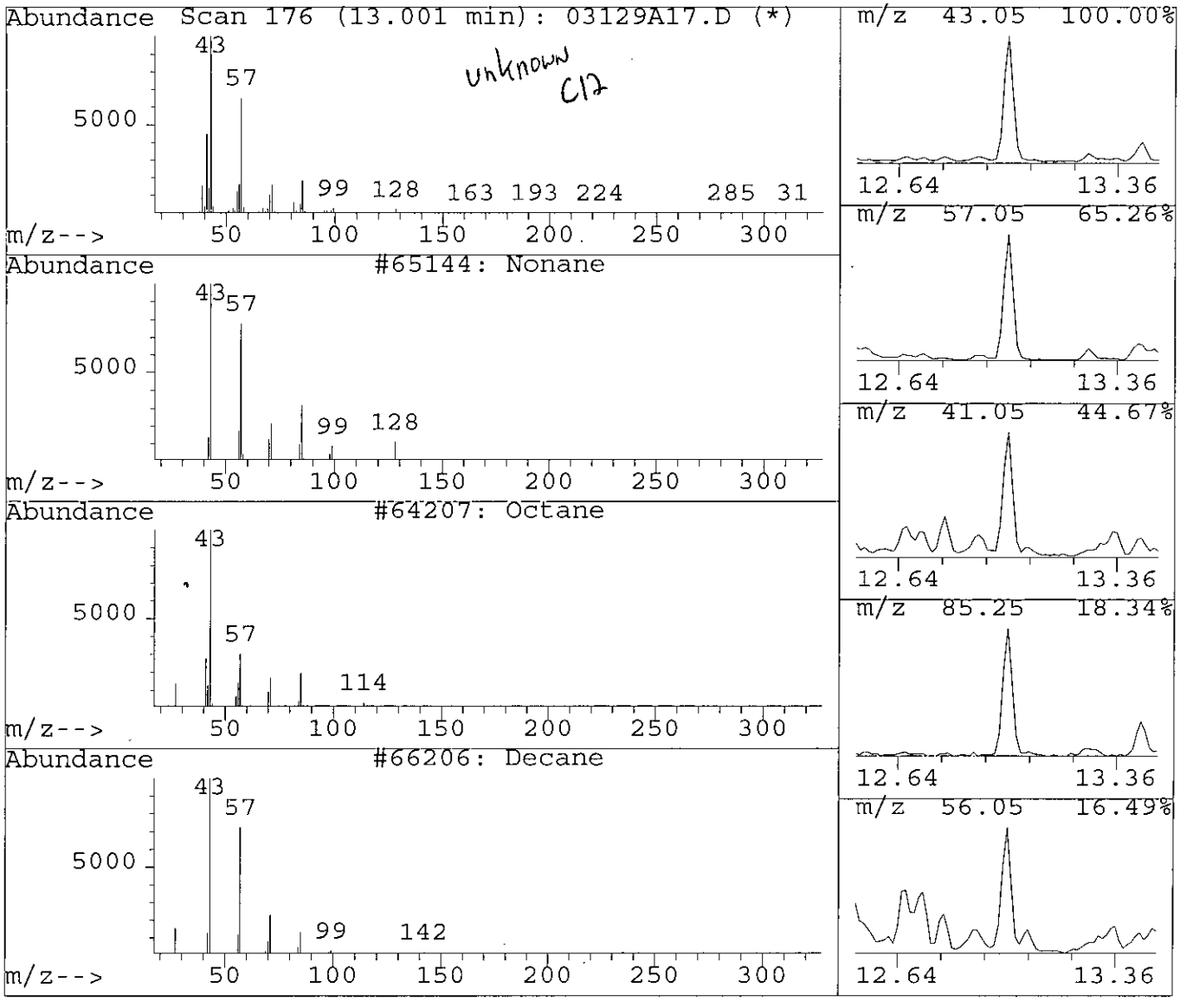
Data File : C:\HPCHEM\1\DATA\03129A17.D
Acq On : 13 Mar 99 5:02 pm
Sample : 67835
Misc : American Glue & Resin P#99187

Vial: 17
Operator: ESAT
Inst : 5988
Multiplr: 258.53

Method : C:\HPCHEM\1\METHODS\03129A02.M
Title : semivolatiles
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	R.T.
13.00	9470.53 ug/ml	283726	1,4-DICHLOROBENZENE-D4	16.27

Hit# of 20	Tentative ID	Ref#	CAS#	Qual
1	Nonane	65144	000111-84-2	91
2	Octane	64207	000111-65-9	72
3	Decane	66206	000124-18-5	64
4	Tridecane	69016	000629-50-5	64
5	Octane, 3,5-dimethyl-	66229	015869-93-9	59



Library Search Compound Report

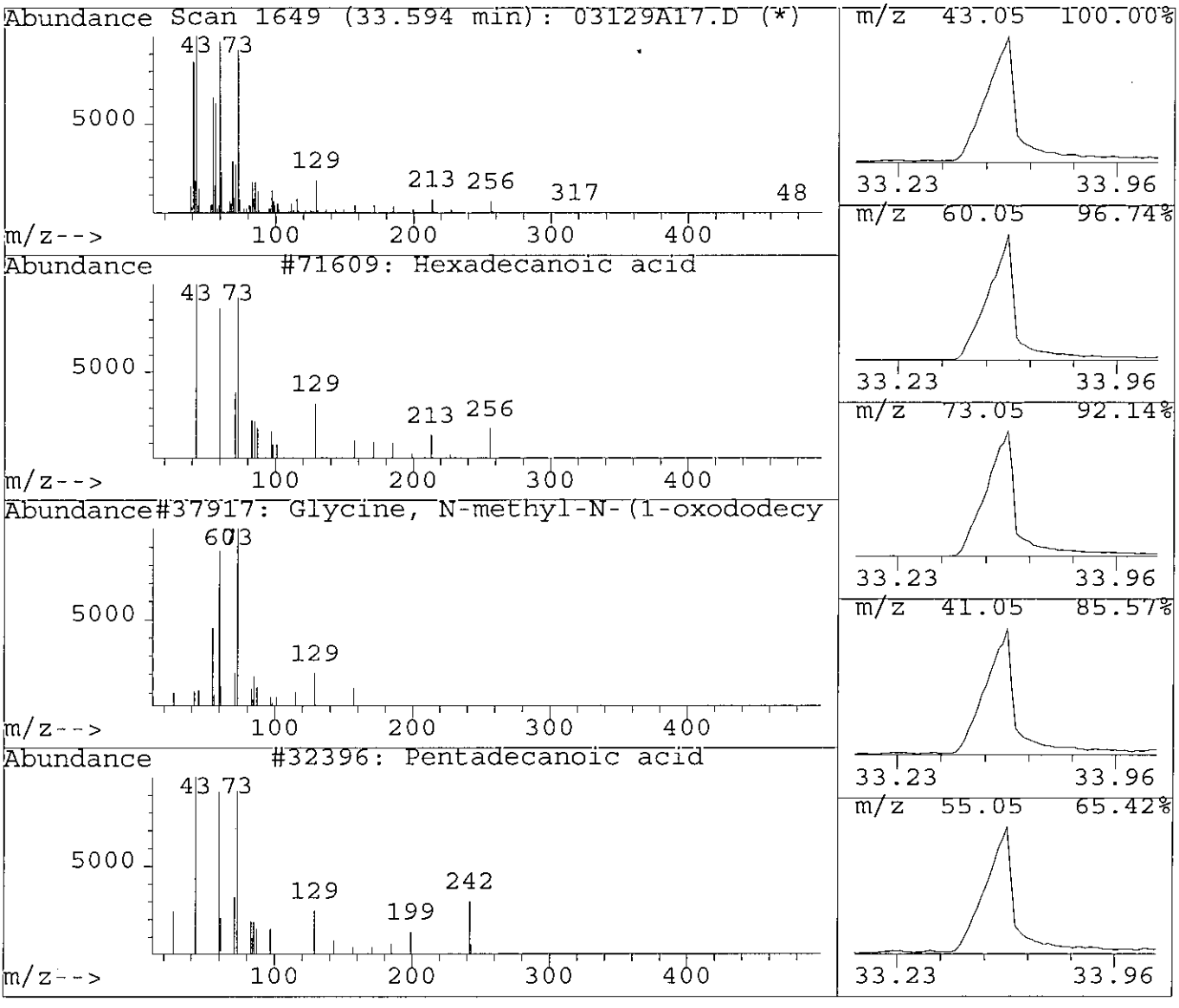
Data File : C:\HPCHEM\1\DATA\03129A17.D
Acq On : 13 Mar 99 5:02 pm
Sample : 67835
Misc : American Glue & Resin P#99187

Vial: 17
Operator: ESAT
Inst : 5988
Multiplr: 258.53

Method : C:\HPCHEM\1\METHODS\03129A02.M
Title : semivolatiles
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	R.T.
33.59	105279.36 ug/ml	3261002	PHENANTHRENE-D10	31.48

Hit# of 20	Tentative ID	Ref#	CAS#	Qual
1	Hexadecanoic acid	71609	000057-10-3	97
2	Glycine, N-methyl-N-(1-oxododecyl)-	37917	000097-78-9	86
3	Pentadecanoic acid	32396	001002-84-2	83
4	Decanoic acid	68357	000334-48-5	81
5	Tetradecanoic acid	29646	000544-63-8	62



Library Search Compound Report

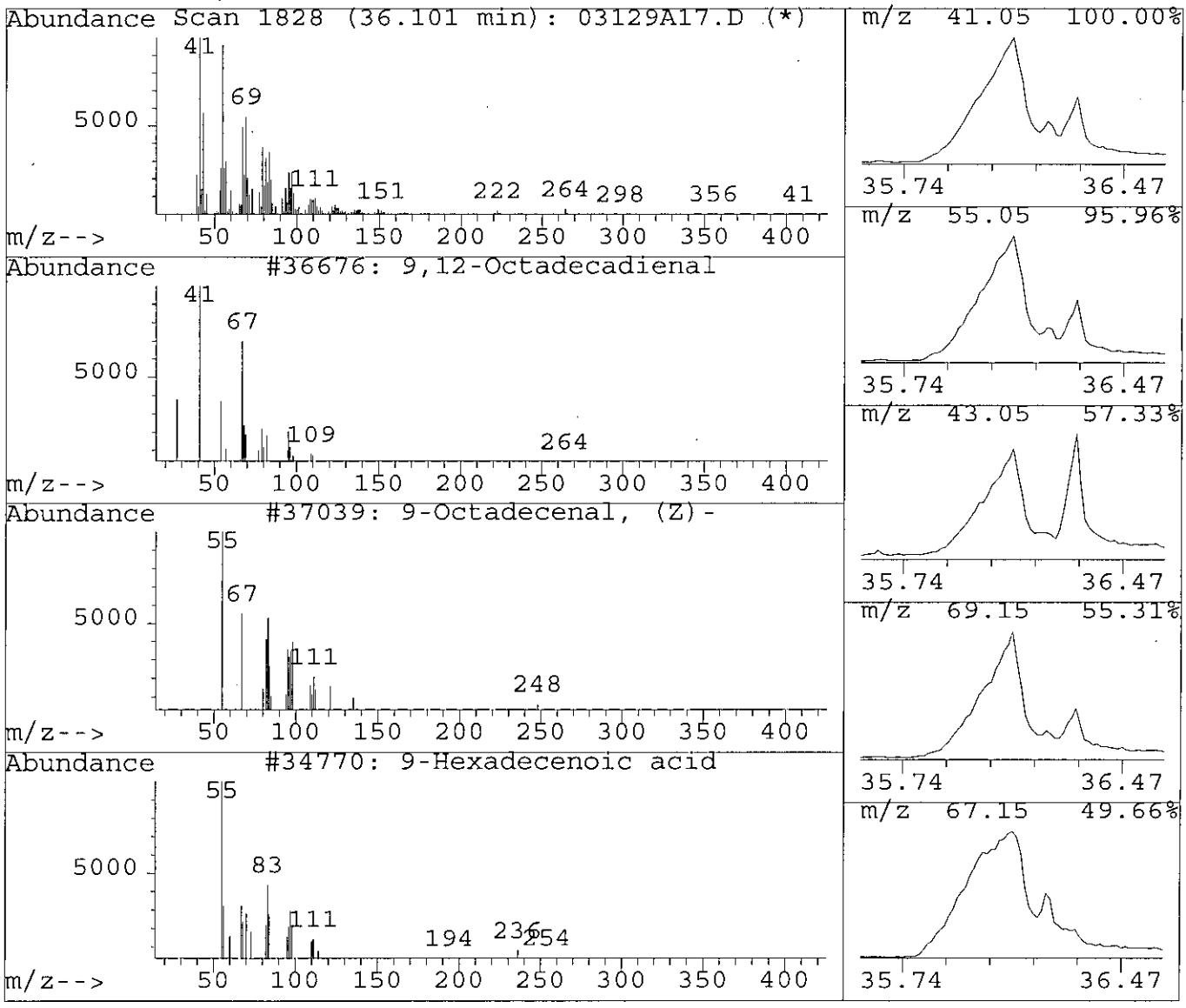
Data File : C:\HPCHEM\1\DATA\03129A17.D
Acq On : 13 Mar 99 5:02 pm
Sample : 67835
Misc : American Glue & Resin P#99187

Vial: 17
Operator: ESAT
Inst : 5988
Multiplr: 258.53

Method : C:\HPCHEM\1\METHODS\03129A02.M
Title : semivolatiles
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	R.T.
36.10	248975.11 ug/ml	7970180	CHRYSENE-D12	40.51

Hit# of 20	Tentative ID	Ref#	CAS#	Qual
1	9,12-Octadecadienal	36676	026537-70-2	83
2	9-Octadecenal, (Z)-	37039	002423-10-1	58
3	9-Hexadecenoic acid	34770	002091-29-4	55
4	9,12-Octadecadienoyl chloride, (Z,Z	42460	007459-33-8	52
5	Oleic Acid	72313	000112-80-1	46



Library Search Compound Report

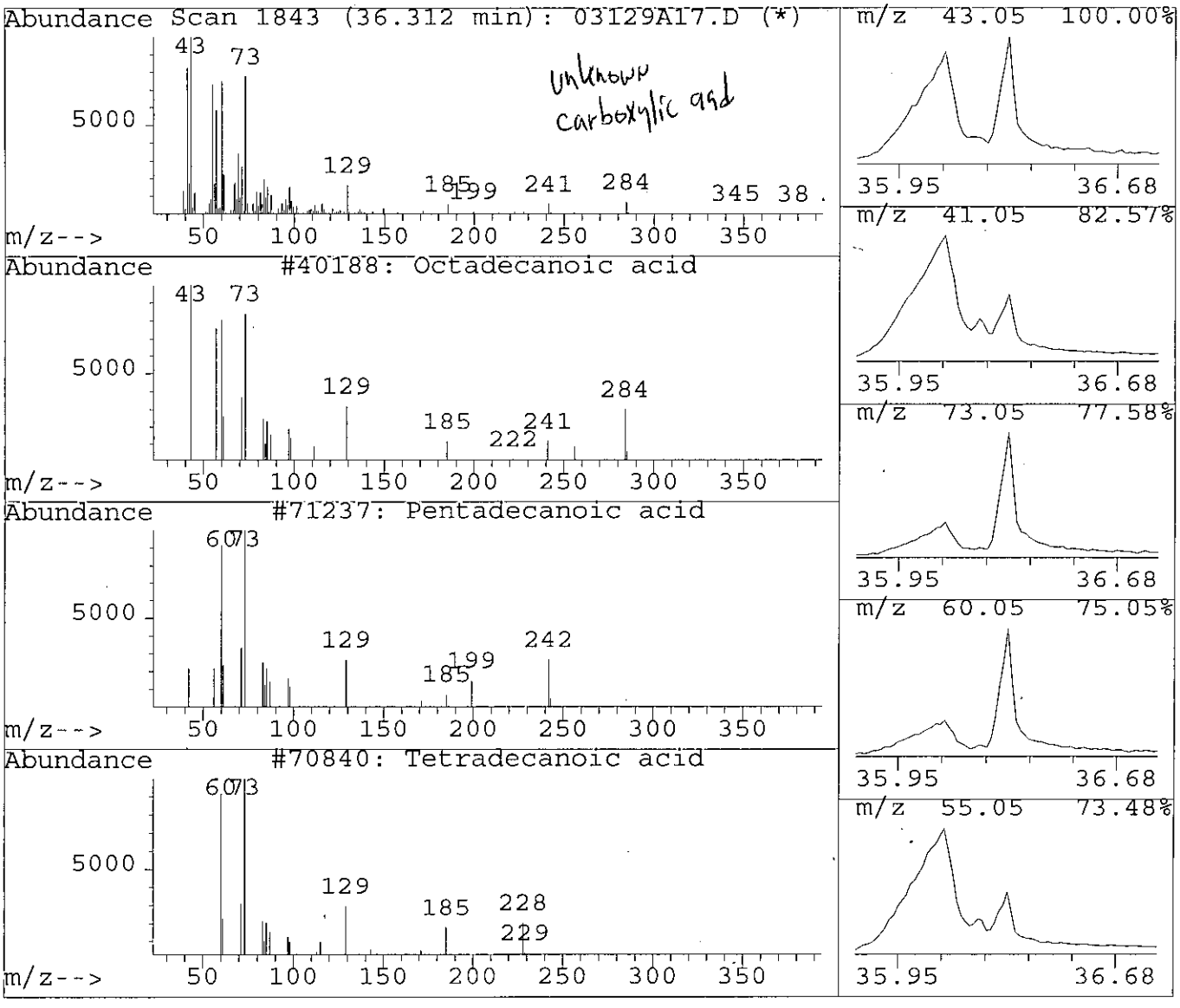
Data File : C:\HPCHEM\1\DATA\03129A17.D
Acq On : 13 Mar 99 5:02 pm
Sample : 67835
Misc : American Glue & Resin P#99187

Vial: 17
Operator: ESAT
Inst : 5988
Multiplr: 258.53

Method : C:\HPCHEM\1\METHODS\03129A02.M
Title : semivolatiles
Library : C:\DATABASE\NBS75K.L

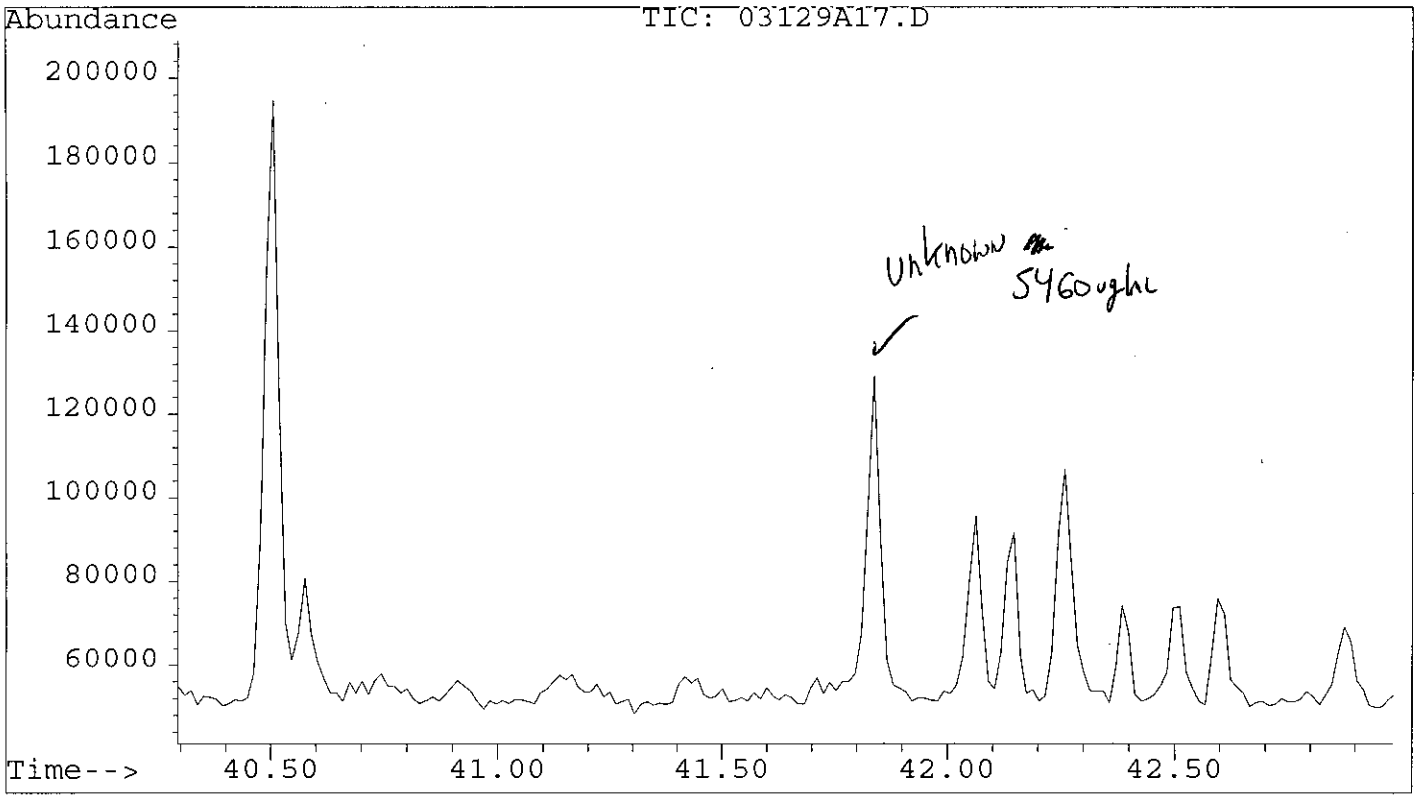
R.T.	Conc	Area	Relative to ISTD	R.T.
36.31	69790.83 ug/ml	2234141	CHRYSENE-D12	40.51

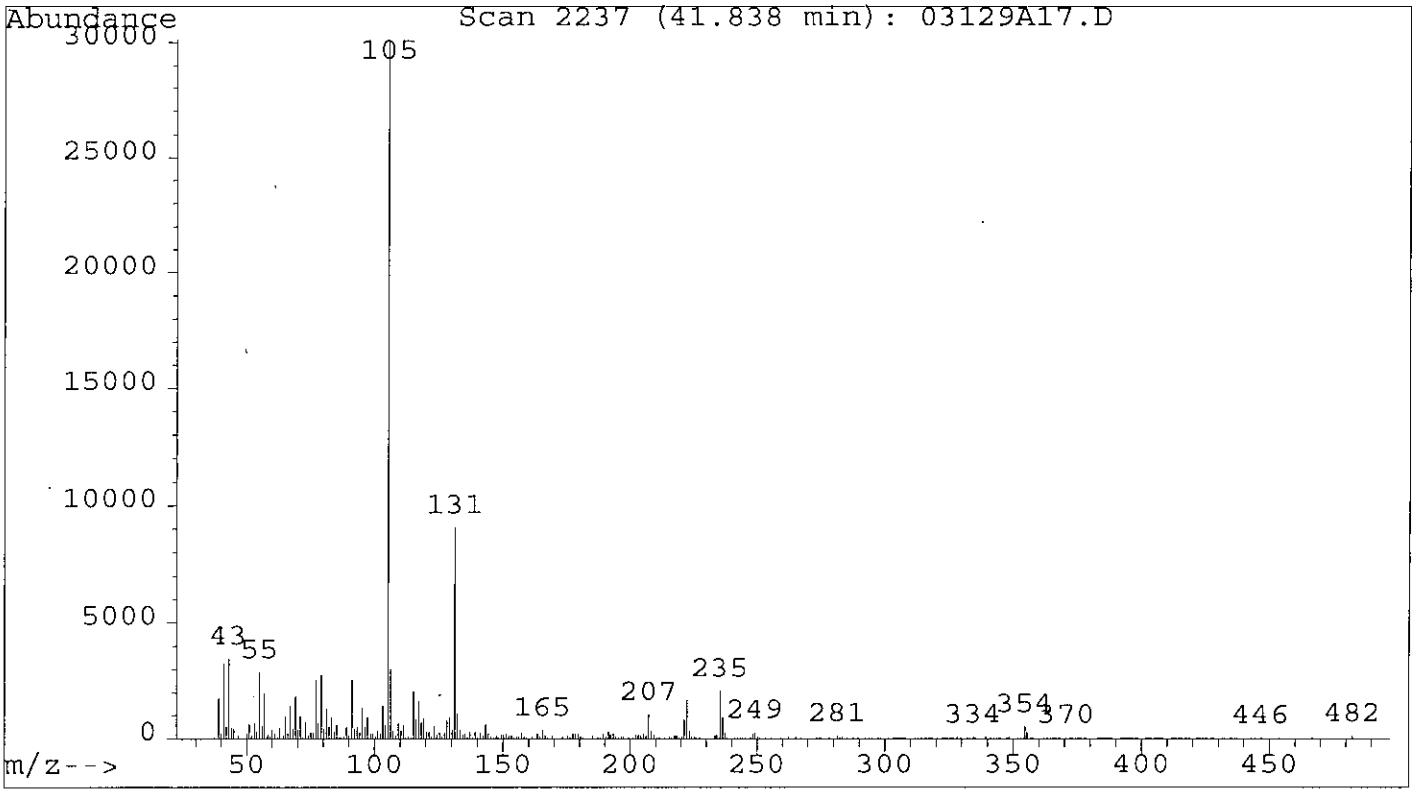
Hit# of 20	Tentative ID	Ref#	CAS#	Qual
1	Octadecanoic acid	40188	000057-11-4	99
2	Pentadecanoic acid	71237	001002-84-2	95
3	Tetradecanoic acid	70840	000544-63-8	95
4	Hexadecanoic acid	35186	000057-10-3	91
5	Octanoic Acid	8416	000124-07-2	50



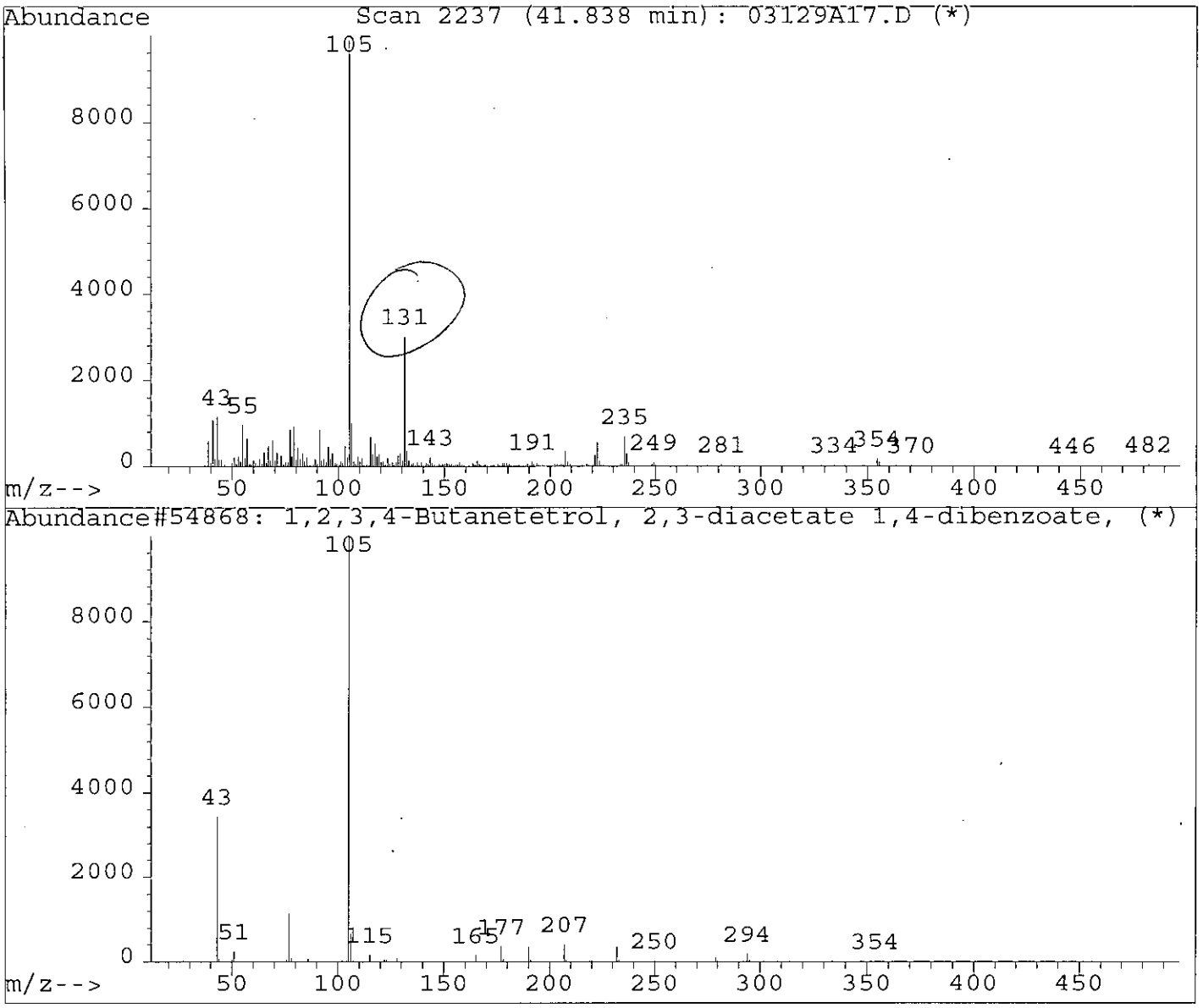
Peak#105

File : E:\HPCHEM\1\DATA\03129A17.D
Operator : ESAT
Acquired : 13 Mar 99 5:02 pm using AcqMethod BNALAN
Instrument : 5988
Sample Name: 67835
Misc Info : American Glue & Resin P#99187
Vial Number: 17





Library Searched : C:\DATABASE\NBS75K.L
Quality : 35
ID : 1,2,3,4-Butanetetrol, 2,3-diacetate 1,4-dibenzoate, (R @,S@)-



Scan 2237 (41.838 min): 03129A17.D
67835

PBM Search of library C:\DATABASE\NBS75K.L

	Name	MolWt	Formula	Qual
1.	1,2,3,4-Butanetetrol, 2,3-diacetate 1,4-	414	C22H22O8	35
2.	Benzeneacetonitrile, .alpha.-oxo-	131	C8H5NO	30
3.	Benzene, (1,2,2-trimethyl-3-butenyl)-	174	C13H18	27
4.	Benzene, (1-methylheptyl)-	190	C14H22	27
5.	3-Buten-1-one, 1,4-diphenyl-	222	C16H14O	27
6.	2-Bromoisobutyrophenone	226	C10H11BrO	27
7.	4-Penten-1-one, 1,5-diphenyl-	236	C17H16O	22
8.	Benzene, (1-methylnonadecyl)-	358	C26H46	16
9.	Azulene, 1,2,3,4,5,6,7,8-octahydro-1,4-d	204	C15H24	16
10.	Benzene, (1-methylnonyl)-	218	C16H26	16
11.	Benzene, 1-(1-heptyldodecyl)-4-methyl-	358	C26H46	16
12.	Azulene, 1,2,3,4,5,6,7,8-octahydro-1,4-d	204	C15H24	16
13.	.+/-.-2-Phenylbutyrophenone	224	C16H16O	16
14.	Phenol, o-[(.alpha.-methylbenzyl)sulfony	262	C14H14O3S	10
15.	Benzene, 1,1'-(1-methyl-1,2-ethanediyl)b	196	C15H16	10
16.	Hippuric acid ditms	323	C15H25NO3Si2	10
17.	N-Benzyl-2-aminocinnamate, methyl ester	267	C17H17NO2	10
18.	Morpholine, 4-(1,2-diphenylethenyl)-	265	C18H19NO	10
19.	Benzene, (2-iodoethyl)-	232	C8H9I	10
20.	1,3-Propanedione, 2-diazo-1,3-diphenyl-	250	C15H10N2O2	9

	Prob	CAS#	Ref#	K	dK	Flag	%	Con	C_1	Tilt	R_IV	XCORR
1.	35	074793-38-7	54868	54	61	2	74	53	11	0	39	9532
2.*	30	000613-90-1	5636	33	45	2	64	60	9	14	43	9170
3.	27	061142-17-4	16371	46	30	1	75	60	8	9	38	9531
4.*	27	000777-22-0	69247	45	39	2	83	60	8	19	39	9529
5.	27	032363-55-6	28253	44	54	3	92	60	8	14	41	9539
6.	27	010409-54-8	29014	45	45	3	75	60	8	0	39	9530
7.*	22	004746-09-2	31174	48	58	2	64	63	5	14	39	8377
8.	16	002398-66-5	73817	46	66	1	67	60	3	0	37	9520
9.	16	003691-12-1	23937	38	109	3	36	60	3	0	33	9443
10.*	16	004537-13-7	70489	35	54	1	68	60	3	14	36	9527
11.	16	055191-36-1	73808	39	78	3	99	56	3	0	33	9607
12.	16	003691-12-1	69917	38	109	3	36	60	3	0	33	9439
13.	16	077542-11-1	28768	44	53	3	99	60	3	0	37	9529
14.	10	029634-38-6	36212	55	35	2	60	73	1	6	40	9531
15.	10	005814-85-7	21991	54	41	2	51	80	1	0	39	9531
16.	10	055133-85-2	45937	42	72	3	21	70	1	0	33	9423
17.	10	000000-00-0	37186	57	43	1	51	80	1	17	38	9530
18.*	10	018239-50-4	36784	30	45	0	29	70	1	0	33	9530
19.	10	017376-04-4	30208	39	47	2	36	70	1	0	33	9531
20.*	9	002085-31-6	33926	30	35	0	16	76	1	0	33	9495

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

S67836

Lab EPA REG 1 Contract:

Proj 99187 Site: AMERICAN Location: Group:

Matrix: (soil/wat SOIL Lab Sample ID: S67836

Wet Sample wt/vol: 5.0 (g/mL) G Lab File ID: 03129A18.D

Dry: 3.5 Date Collected: 3/2/99

Level: (low/m MED Date Received: 3/3/99

% 30 decanted: (Y/N): Y Date Extracted: 3/9/99

Concentrated Extract Volume 1000 (uL) Date Analyzed: 3/13/99

Injection Volume 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y N pH: 0 Report Factor: 0.85

Concentration Units:

CAS No.	Compound	(ug/L or ug/Kg) ug/Kg	Q
62-53-3	ANILINE	2800	U
108-95-2	PHENOL	2800	U
111-44-4	BIS(2-CHLOROETHYL) ETHER	2800	U
95-57-8	2-CHLOROPHENOL	2800	U
541-73-1	1,3-DICHLOROBENZENE	2800	U
106-46-7	1,4-DICHLOROBENZENE	2800	U
100-51-6	BENZYL ALCOHOL	2800	U
95-50-1	1,2-DICHLOROBENZENE	2800	U
95-48-7	2-METHYLPHENOL	2800	U
108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	2800	U
106-44-5	4-METHYLPHENOL	2800	U
621-64-7	N-NITROSODIPROPYLAMINE	2800	U
67-72-1	HEXACHLOROETHANE	2800	U
98-95-3	NITROBENZENE	2800	U
78-59-1	ISOPHORONE	2800	U
88-75-5	2-NITROPHENOL	2800	U
105-67-9	2,4-DIMETHYLPHENOL	2800	U
111-91-1	BIS(2-CHLOROETHOXY)METHANE	2800	U
65-85-0	BENZOIC ACID	2800	U
120-83-2	2,4-DICHLOROPHENOL	2800	U
120-82-1	1,2,4-TRICHLOROBENZENE	2800	U
91-20-3	NAPHTHALENE	2800	U
106-47-8	4-CHLOROANILINE	2800	U
87-68-3	HEXACHLOROBUTADIENE	2800	U
59-50-7	4-CHLORO-3-METHYLPHENOL	2800	U
91-57-6	2-METHYLNAPHTHALENE	2800	U
77-47-4	HEXACHLOROCYCLOPENTADIENE	2800	U
88-06-2	2,4,6-TRICHLOROPHENOL	2800	U
95-95-4	2,4,5-TRICHLOROPHENOL	2800	U
91-58-7	2-CHLORONAPHTHALENE	2800	U
88-74-4	2-NITROANILINE	2800	U
131-11-3	DIMETHYLPHTHALATE	2800	U
208-96-8	ACENAPHTHYLENE	2800	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

S67836

Lab EPA REG 1 Contract:

Proj 99187 Site: AMERICAN Location: Group:

Matrix: (soil/wat SOIL Lab Sample ID: S67836

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 03129A18.D

Level: (low/m MED Date Received: 3/3/99

% 30 decanted: (Y/N): Y Date Extracted: 3/9/99

Concentrated Extract Volume 1000 (uL) Date Analyzed: 3/13/99

Injection Volume 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y N pH: 0

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
606-20-2	2,6-DINITROTOLUENE	2800	U
99-09-2	3-NITROANILINE	2800	U
83-32-9	ACENAPHTHENE	1800	L J
51-28-5	2,4-DINITROPHENOL	2800	U
132-64-9	DIBENZOFURAN	580	L J
100-02-7	4-NITROPHENOL	2800	U
121-14-2	2,4-DINITROTOLUENE	2800	U
84-66-2	DIETHYLPHTHALATE	2800	U
86-73-7	FLUORENE	1200	L J
7005-72-3	4-CHLOROPHENYL-PHENYLETHER	2800	U
100-01-6	4-NITROANILINE	2800	U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	2800	U
86-30-6	N-NITROSODIPHENYLAMINE	2800	U
103-33-3	DIPHENYLHYDRAZINE(AZOBENZENE)	2800	U
101-55-3	4-BROMOPHENYL-PHENYLETHER	2800	U
319-84-6	BHC ISOMER (ALPHA)	2800	U
118-74-1	HEXACHLOROBENZENE	2800	U
319-85-7	BHC ISOMER (BETA)	2800	U
87-86-5	PENTACHLOROPHENOL	2800	U
58-89-9	LINDANE-BHC ISOMER (GAMA)	2800	U
85-01-8	PHENANTHRENE	14000	
120-12-7	ANTHRACENE	4200	
319-86-8	BHC ISOMER (DELTA)	2800	U
86-74-8	CARBAZOLE	2800	L J
76-44-8	HEPTACHLOR	2800	U
84-74-2	DIBUTYLPHTHALATE	2800	U
309-00-2	ALDRIN	2800	U
1024-57-3	HEPTACHLOR EPOXIDE	2800	U
206-44-0	FLUORANTHENE	28000	
129-00-0	PYRENE	23000	
959-98-8	ENDOSULFAN I	2800	U
72-55-9	P,P-DDE	2800	U
60-57-1	DIELDRIN	2800	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

S67836

Lab EPA REG 1 Contract:

Proj 99187 Site: AMERICAN Location: Group:

Matrix: (soil/wat SOIL Lab Sample ID: S67836

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 03129A18.D

Level: (low/m MED Date Received: 3/3/99

% 30 decanted: (Y/N): Y Date Extracted: 3/9/99

Concentrated Extract Volume 1000 (uL) Date Analyzed: 3/13/99

Injection Volume 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y N pH: 0

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
72-20-8	ENDRIN	2800	U
33213-65-9	ENDOSULFAN II	2800	U
72-54-8	P,P-DDD	2800	U
85-68-7	BUTYLBENZYLPHTHALATE	2800	U
50-29-3	P,P-DDT	2800	U
1031-07-8	ENDOSULFAN SULFATE	2800	U
72-43-5	METHOXYCHLOR	2800	U
53494-70-5	ENDRIN KETONE	2800	U
91-94-1	3,3-DICHCHLOROBENZIDINE	2800	U
56-55-3	BENZ(A)ANTHRACENE	18000	
218-01-9	CHRYSENE	17000	
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	770	L J
117-84-0	DI-N-OCTYLPHTHALATE	2800	U
205-99-2	BENZO(B)FLUORANTHENE	21000	
207-08-9	BENZO(K)FLUORANTHENE	7100	
50-32-8	BENZO(A)PYRENE	14000	
193-39-5	INDENO(1,2,3-CD)PYRENE	2200	L J
53-70-3	DIBENZO(A,H)ANTHRACENE	2800	U
191-24-2	BENZO(GHI)PERYLENE	1500	L J

QUANTITATION SHEET

SAMPLE NUMBER 67836

Tentatively Identified Compounds

SCAN NO.	COMPOUND	PROB. MATCH	CONC (ug/ml)	EST. C. (ug/kg)	CAS NO.	CHEM. FORM.
67	4-hydroxy-4-methyl-2-Pentanone	50	—	~~~90,000 AB~~	~~123-42-2~~	
1931	unknown PAH	96	~	~3,000 J	—	
1947	unknown PAH	97	~	~2,000 J	—	
2237	unknown PAH	98	<	~3,000 J	—	
2491	Benzo[e]pyrene	94	~	~10,000 J	20708-9	
2680	unknown hydrocarbon - C30	93	~	~7,000 J	—	

~ = Approximate
< = Less than
> = Greater than
NA = Not available due to dilution or interference
E = Estimated value that exceeds the calibration range
L = Estimated value that is below the calibration range
B = Analyte associated with the lab, trip blank. Reported values are 5X higher than blank. Phthalates must be 10X.

Quantitation Report

Data File : C:\HPCHEM\1\DATA\03129A18.D
Acq On : 13 Mar 99 6:10 pm
Sample : 67836
Misc : American Glue & Resin P#99187
Quant Time: Mar 14 11:39 1999

Vial: 18
Operator: ESAT
Inst : 5988
Multiplr: 284.58

Method : C:\HPCHEM\1\METHODS\03129A02.M
Title : semivolatiles
Last Update : Sat Mar 13 11:22:04 1999
Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DICHLOROBENZENE-D4	16.27	150	55500	40.00	ug/ml	-0.01
19) NAPHTHALENE-D8	20.42	136	131246	40.00	ug/ml	-0.01
34) ACENAPHTHENE-D10	26.37	164	64318	40.00	ug/ml	-0.02
54) PHENANTHRENE-D10	31.47	188	125877	40.00	ug/ml	-0.02
74) CHRYSENE-D12	40.51	240	125079	40.00	ug/ml	0.00
92) PERYLENE-D12	45.87	264	97877	40.00	ug/ml	0.00
System Monitoring Compounds						%Recovery
2) FLUOROPHENOL	12.44	112	193748	185.43	ug/ml	92.72%
4) PHENOL-D5	15.29	99	303742	194.21	ug/ml	97.11%
5) 2-CHLOROPHENOL-D4	15.64	132	198296	174.64	ug/ml	87.32%
12) 1,2-DICHLOROBENZENE-D4	16.78	150	86135	65.17	ug/ml	65.17%
20) NITROBENZENE-D5	18.13	82	158056	83.82	ug/ml	83.82%
38) FLUOROBIPHENYL	24.11	172	177240	83.37	ug/ml	83.37%
58) 2,4,6-TRIBROMOPHENOL	29.12	330	90118	174.15	ug/ml	87.07%
78) P-TERPHENYL-D14	36.96	244	267774	86.72	ug/ml	86.72%
Target Compounds						Qvalue
45) ACENAPHTHENE	26.48	154	10646	1760.98	ug/ml	84
47) DIBENZOFURAN	27.11	168	5790	583.44	ug/ml	91
51) FLUORENE	28.27	166	8952	1226.65	ug/ml	94
65) PHENANTHRENE	31.56	178	163523	14040.83	ug/ml	99
66) ANTHRACENE	31.72	178	48825	4214.36	ug/ml	96
68) CARBAZOLE	32.37	167	30588	2787.20	ug/ml	99
73) FLUORANTHENE	35.64	202	350263	28348.15	ug/ml#	94
75) PYRENE	36.40	202	303784	23352.30	ug/ml	95
89) BENZ(A)ANTHRACENE	40.47	228	202427	17710.92	ug/ml	99
90) CHRYSENE	40.59	228	188839	17418.03	ug/ml	94
91) BIS(2-ETHYLHEXYL)PHTHALATE	40.57	149	7829	767.93	ug/ml#	89
94) BENZO(B)FLUORANTHENE	44.27	252	233437	20933.68	ug/ml#	92
95) BENZO(K)FLUORANTHENE	44.37	252	83771	7050.48	ug/ml#	93
96) BENZO(A)PYRENE	45.63	252	144506	13568.26	ug/ml#	90
97) INDENO(1,2,3-CD)PYRENE	51.49	276	18063	2157.02	ug/ml#	65
99) BENZO(GHI)PERYLENE	53.21	276	11323	1515.11	ug/ml#	77

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

Quantitation Report

Data File : c:\hpchem\1\data\03129a18.d
Acq On : 13 Mar 99 6:10 pm
Sample : 67836
Misc : American Glue & Resin P#99187
Quant Time: Mar 14 9:22 1999

Vial: 18
Operator: ESAT
Inst : 5988
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\03129A02.M
Title : semivolatiles
Last Update : Sat Mar 13 11:22:04 1999
Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DICHLOROBENZENE-D4	16.27	150	55500	40.00	ug/ml	-0.01
19) NAPHTHALENE-D8	20.42	136	131246	40.00	ug/ml	-0.01
34) ACENAPHTHENE-D10	26.37	164	64318	40.00	ug/ml	-0.02
54) PHENANTHRENE-D10	31.47	188	125877	40.00	ug/ml	-0.02
74) CHRYSENE-D12	40.51	240	125079	40.00	ug/ml	0.00
92) PERYLENE-D12	45.87	264	97877	40.00	ug/ml	0.00
System Monitoring Compounds						%Recovery
2) FLUOROPHENOL	12.44	112	193748	185.43	ug/ml	92.72%
4) PHENOL-D5	15.29	99	303742	194.21	ug/ml	97.11%
5) 2-CHLOROPHENOL-D4	15.64	132	198296	174.64	ug/ml	87.32%
12) 1,2-DICHLOROBENZENE-D4	16.78	150	86135	65.17	ug/ml	65.17%
20) NITROBENZENE-D5	18.13	82	158056	83.82	ug/ml	83.82%
38) FLUOROBIPHENYL	24.11	172	177240	83.37	ug/ml	83.37%
58) 2,4,6-TRIBROMOPHENOL	29.12	330	90118	174.15	ug/ml	87.07%
78) P-TERPHENYL-D14	36.96	244	267774	86.72	ug/ml	86.72%
Target Compounds						Qvalue
6) PHENOL	15.32	94	1703	~~1.06 ug/ml~~#		1
11) BENZYL ALCOHOL	16.76	79	2601	~~3.81 ug/ml~~#		42
29) NAPHTHALENE	20.50	128	8820	~~2.56 ug/ml~~#		93
45) ACENAPHTHENE	26.48	154	10646	6.19	ug/ml	84
47) DIBENZOFURAN	27.11	168	5790	2.05	ug/ml	91
51) FLUORENE	28.27	166	8952	4.31	ug/ml	94
56) N-NITROSODIPHENYLAMINE	29.11	169	2209	~~1.44 ug/ml~~#		50
57) DIPHENYLHYDRAZINE(AZOBENZE	29.11	77	1564	~~0.38 ug/ml~~#		1
65) PHENANTHRENE	31.56	178	163523	49.34	ug/ml	99
66) ANTHRACENE	31.72	178	48825	14.81	ug/ml	96
68) CARBAZOLE	32.37	167	30588	9.79	ug/ml	99
70) DIBUTYLPHTHALATE	33.53	149	3961	~~0.83 ug/ml~~#		91
72) HEPTACHLOR EPOXIDE	35.28	81	3418	~~6.48 ug/ml~~#		36
73) FLUORANTHENE	35.64	202	350263	99.62	ug/ml#	94
75) PYRENE	36.40	202	303784	82.06	ug/ml	95
80) ENDRIN	37.76	81	1699	~~5.29 ug/ml~~#		39
81) ENDOSULFAN II	37.58	195	4803	~~41.96 ug/ml~~#		16
86) METHOXYCHLOR	40.47	227	20366	9~~.70 ug/ml~~#		1
89) BENZ(A)ANTHRACENE	40.47	228	202427	62.24	ug/ml	99
90) CHRYSENE	40.59	228	188839	61.21	ug/ml	94
91) BIS(2-ETHYLHEXYL)PHTHALATE	40.57	149	7829	2.70	ug/ml#	89
94) BENZO(B)FLUORANTHENE	44.27	252	233437	73.56	ug/ml#	92
95) BENZO(K)FLUORANTHENE	44.37	252	83771	24.78	ug/ml#	93
96) BENZO(A)PYRENE	45.63	252	144506	47.68	ug/ml#	90
97) INDENO(1,2,3-CD)PYRENE	51.49	276	18063	7.58	ug/ml#	65

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

Quantitation Report

Data File : c:\hpchem\1\data\03129a18.d
Acq On : 13 Mar 99 6:10 pm
Sample : 67836
Misc : American Glue & Resin P#99187
Quant Time: Mar 14 9:22 1999

Vial: 18
Operator: ESAT
Inst : 5988
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\03129A02.M
Title : semivolatiles
Last Update : Sat Mar 13 11:22:04 1999
Response via : Single Level Calibration

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
98)	DIBENZO(A,H)ANTHRACENE	51.65	278	7276	~~2.62 ug/ml~~	94
99)	BENZO(GHI)PERYLENE	53.21	276	11323	5.32 ug/ml#	77

Wet wt = 5.005
Dry wt = 3.514
% moist = 29.8
1ml FV
No Dil
mult = 284.5759818

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

Quantitation Report

Data File : c:\hpchem\1\data\03129a18.d
Acq On : 13 Mar 99 6:10 pm
Sample : 67836
Misc : American Glue & Resin P#99187
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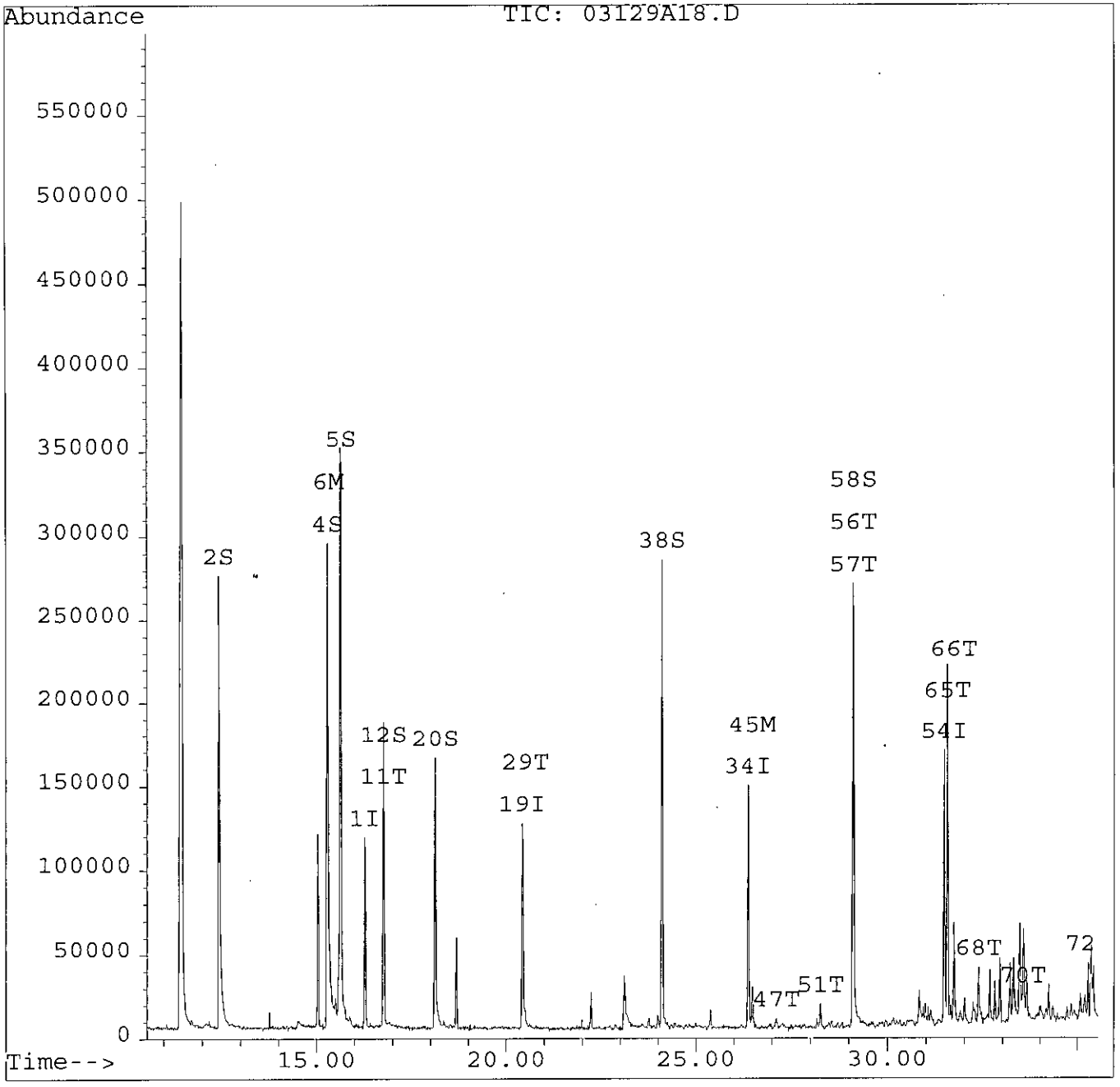
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\03129A02.M
Title : semivolatiles
Last Update : Sat Mar 13 11:22:04 1999
Response via : Single Level Calibration

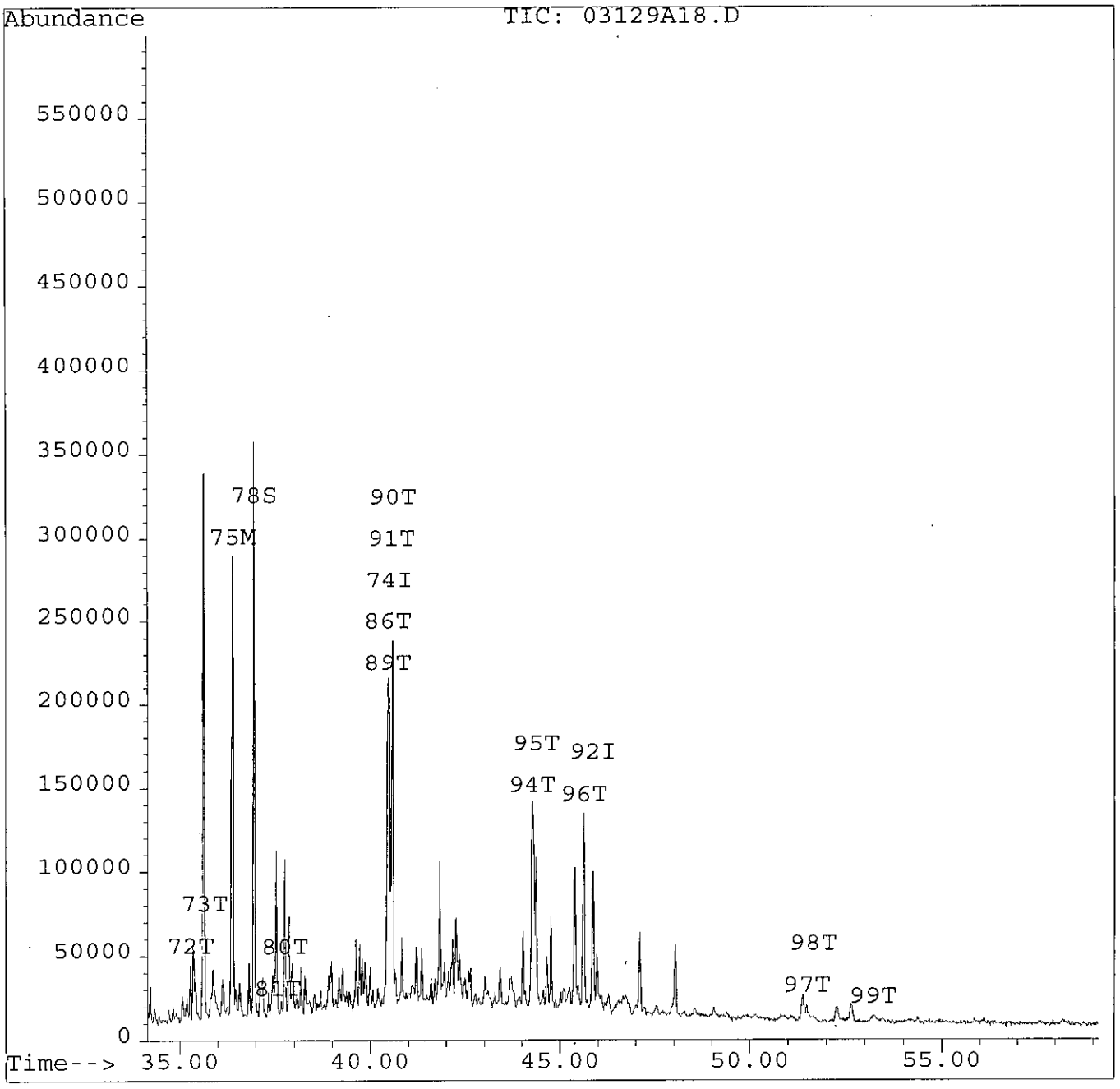


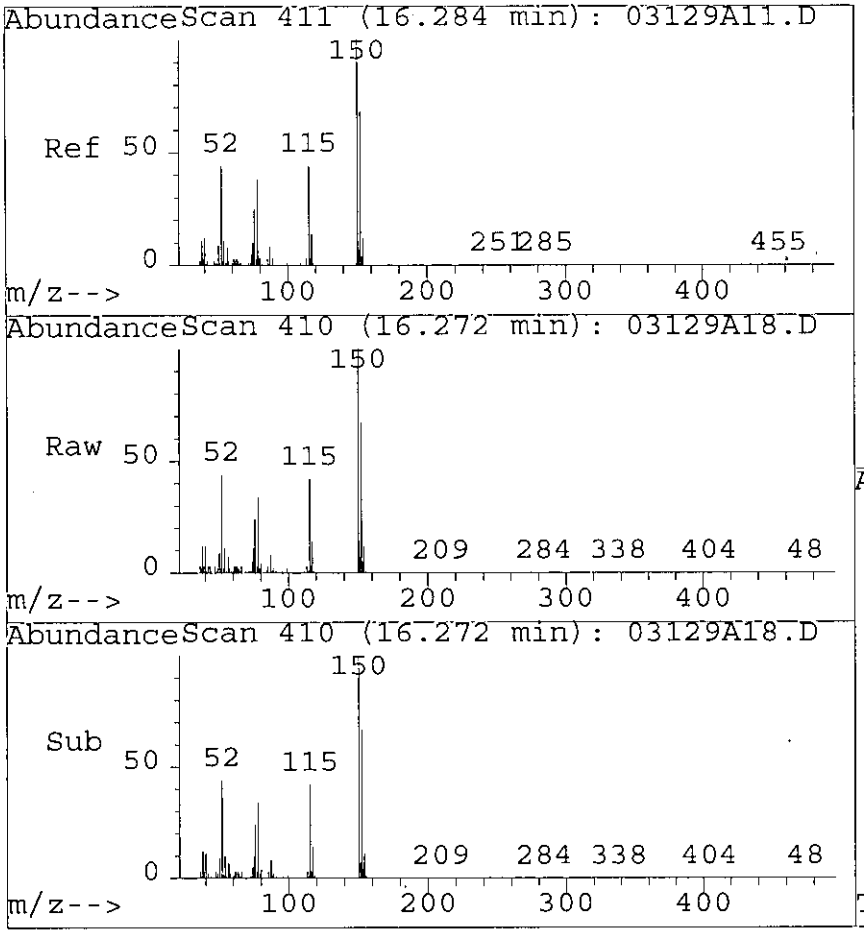
Quantitation Report

Data File : c:\hpchem\1\data\03129a18.d
Acq On : 13 Mar 99 6:10 pm
Sample : 67836
Misc : American Glue & Resin P#99187
Quant Time: Mar 14 9:22 1999

Vial: 18
Operator: ESAT
Inst : 5988
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\03129A02.M
Title : semivolatiles
Last Update : Sat Mar 13 11:22:04 1999
Response via : Single Level Calibration

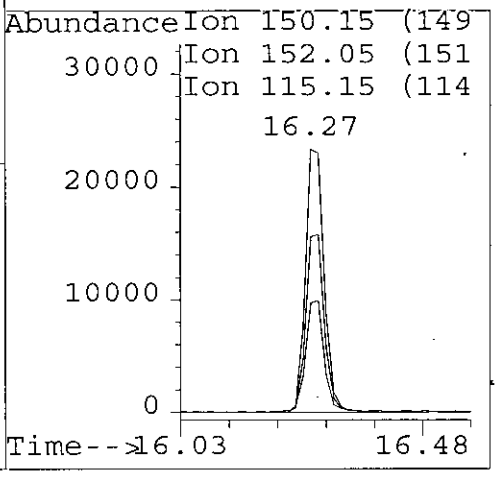


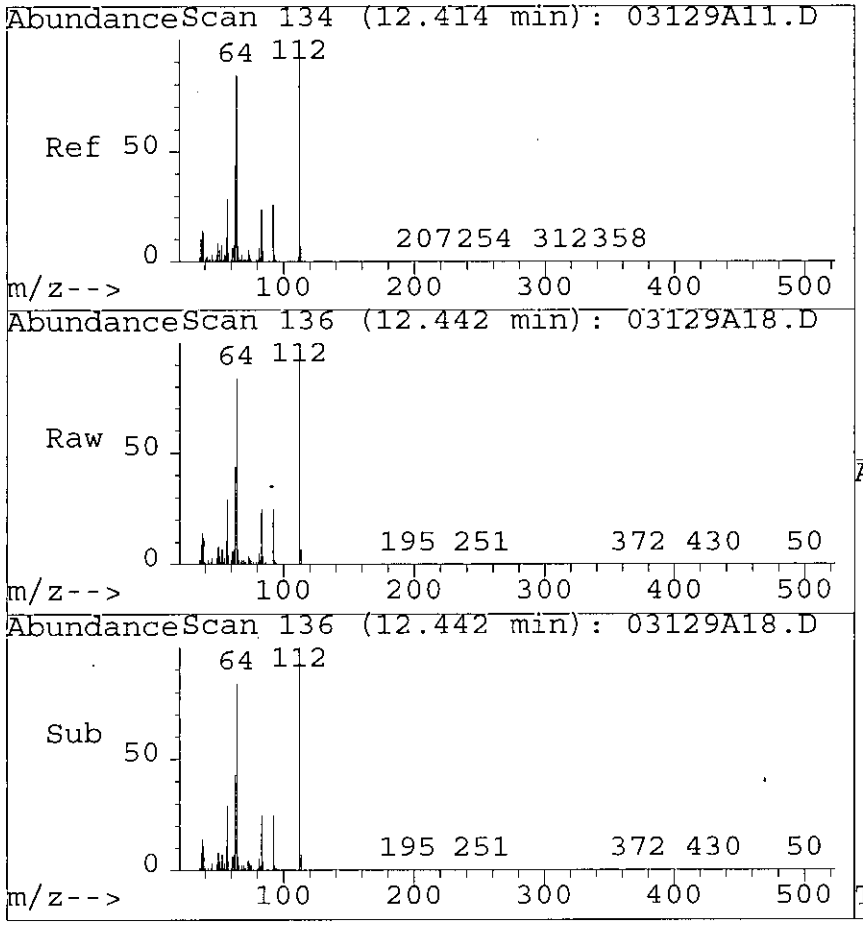


#1
1,4-DICHLOROBENZENE-D4
Concen: 40.00 ug/ml
RT: 16.27 min Scan# 410
Delta R.T. -0.01 min
Lab File: 03129a18.d
Acq: 13 Mar 99 6:10 pm

Tgt Ion:150.15 Resp: 55500

Ion	Ratio	Lower	Upper
150	100		
152	67.0	51.1	76.6
115	41.8	34.7	52.0
0	0.0	0.0	0.0

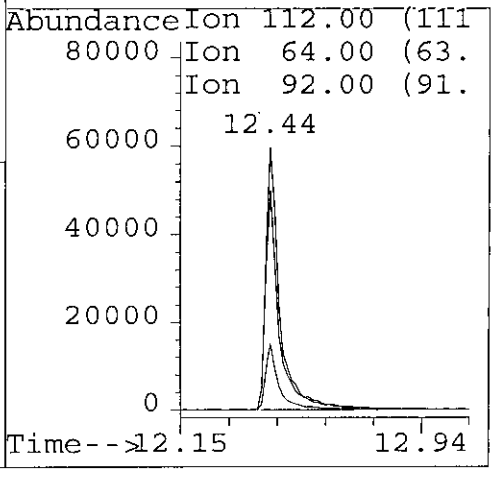


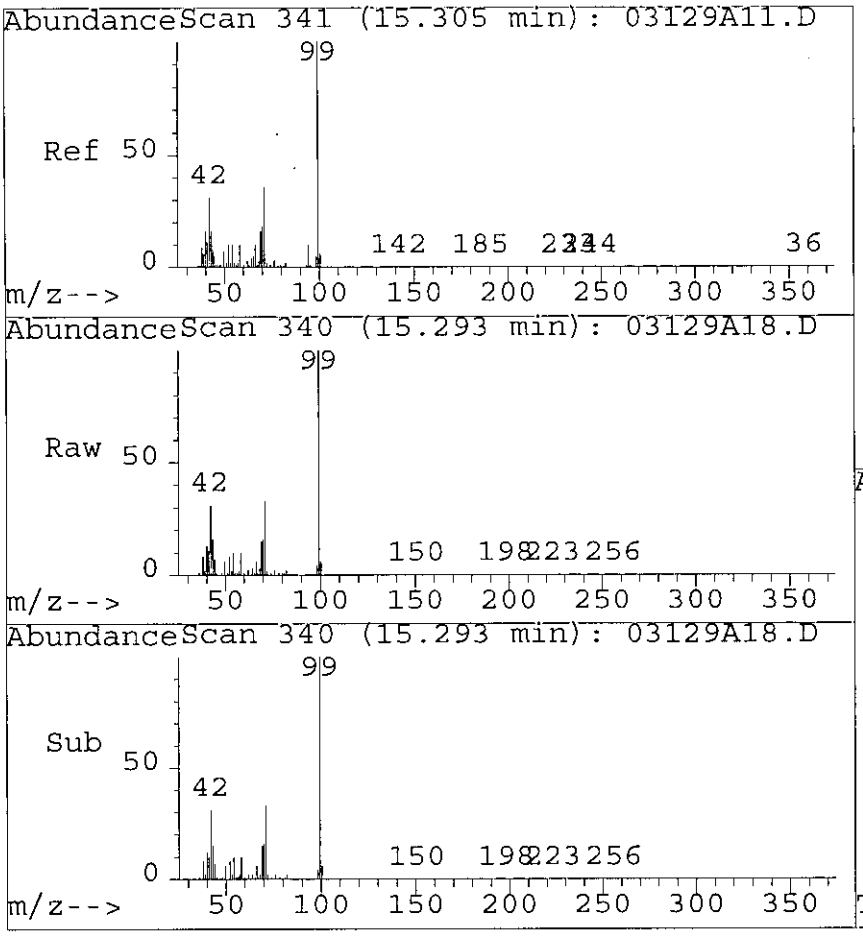


#2
FLUOROPHENOL
Concen: 185.43 ug/ml
RT: 12.44 min Scan# 136
Delta R.T. 0.03 min
Lab File: 03129a18.d
Acq: 13 Mar 99 6:10 pm

Tgt Ion:112 Resp: 193748

Ion	Ratio	Lower	Upper
112	100		
64	83.5	55.4	83.1#
92	25.5	24.7	37.0
0	0.0	0.0	0.0

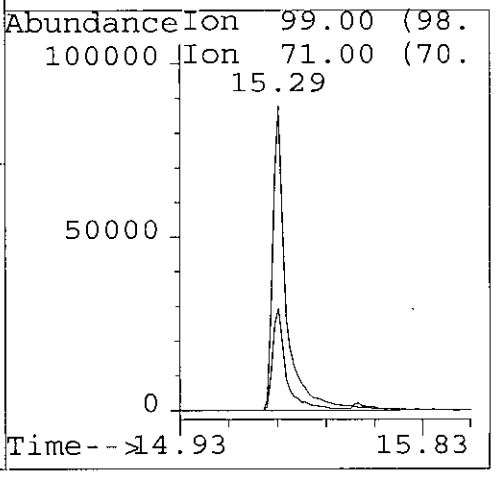


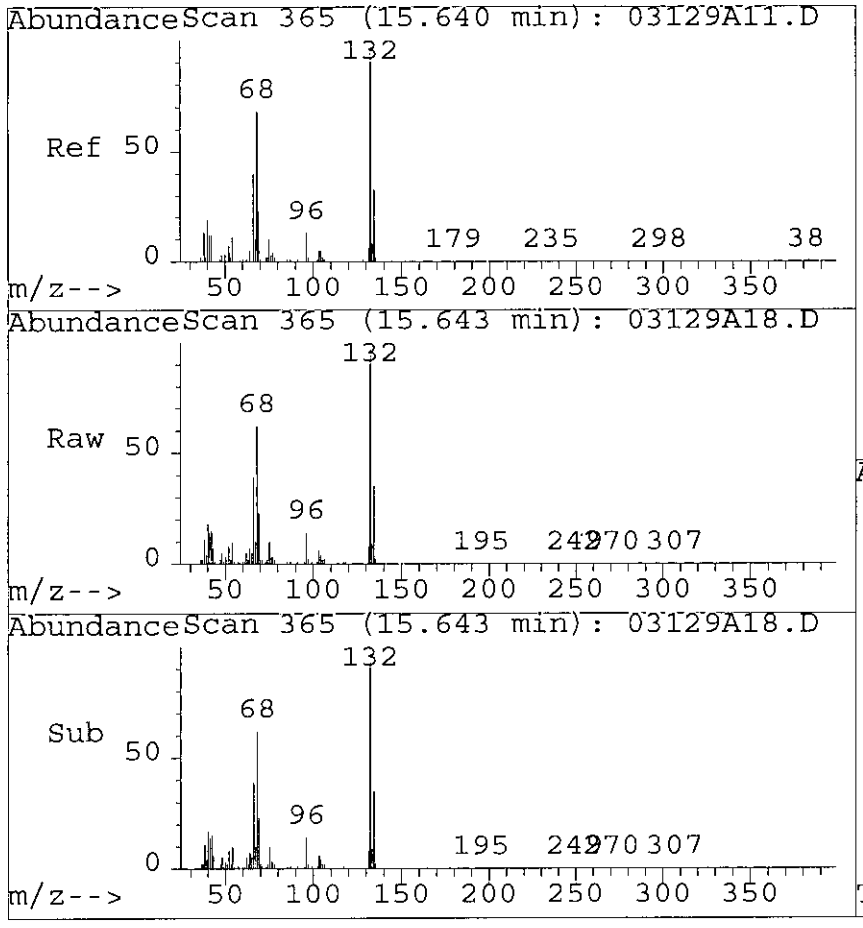


#4
PHENOL-D5
Concen: 194.21 ug/ml
RT: 15.29 min Scan# 340
Delta R.T. -0.01 min
Lab File: 03129a18.d
Acq: 13 Mar 99 6:10 pm

Tgt Ion:99 Resp: 303742

Ion	Ratio	Lower	Upper
99	100		
71	33.5	27.7	41.4
0	0.0	0.0	0.0
0	0.0	0.0	0.0

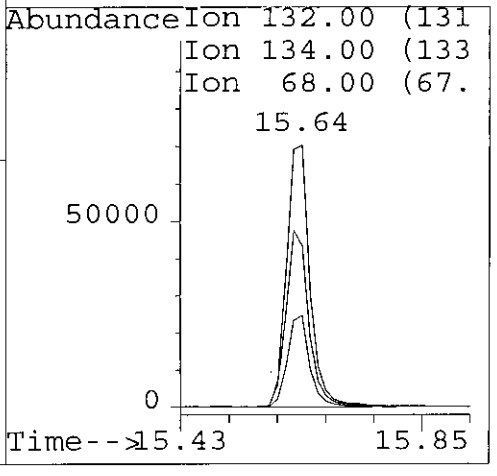


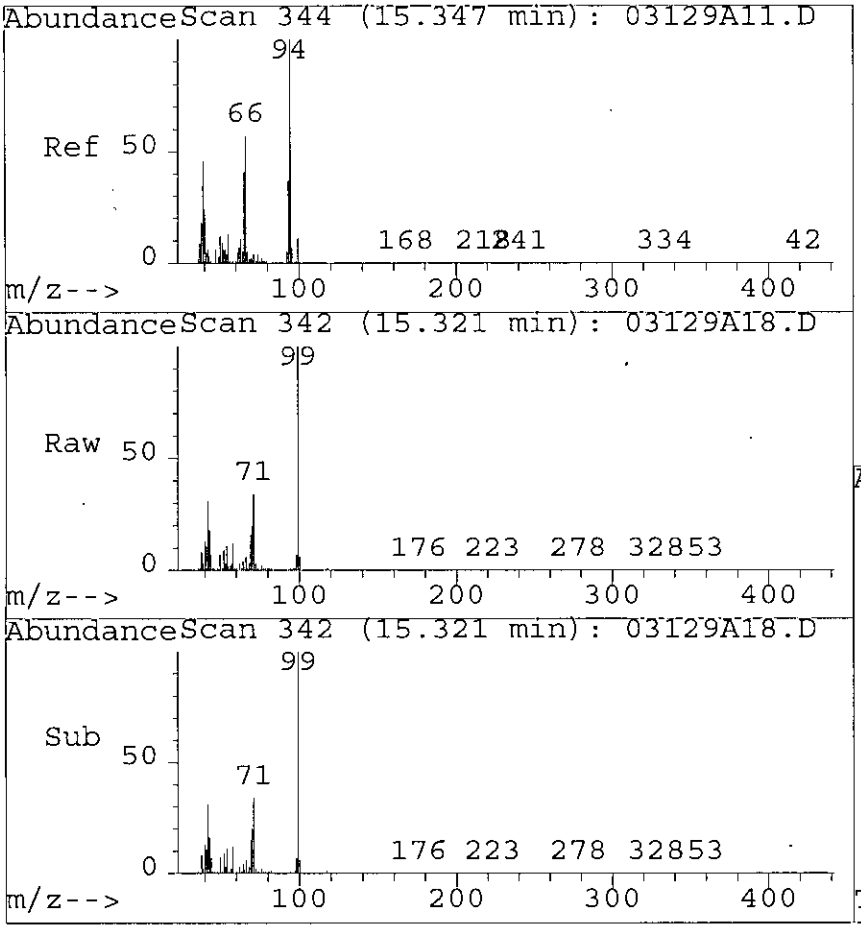


#5
2-CHLOROPHENOL-D4
Concen: 174.64 ug/ml
RT: 15.64 min Scan# 365
Delta R.T. 0.00 min
Lab File: 03129a18.d
Acq: 13 Mar 99 6:10 pm

Tgt Ion:132 Resp: 198296

Ion	Ratio	Lower	Upper
132	100		
134	35.1	24.0	35.9
68	61.7	40.0	59.9#
0	0.0	0.0	0.0

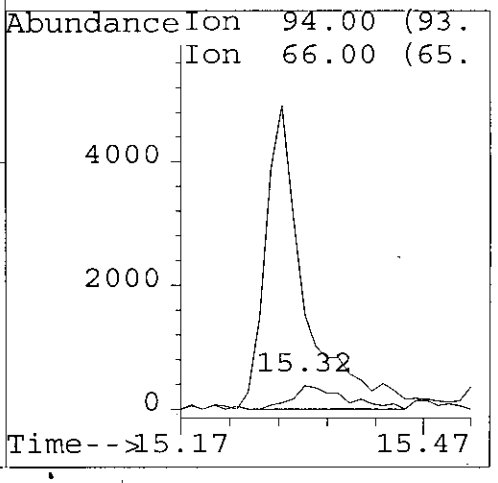


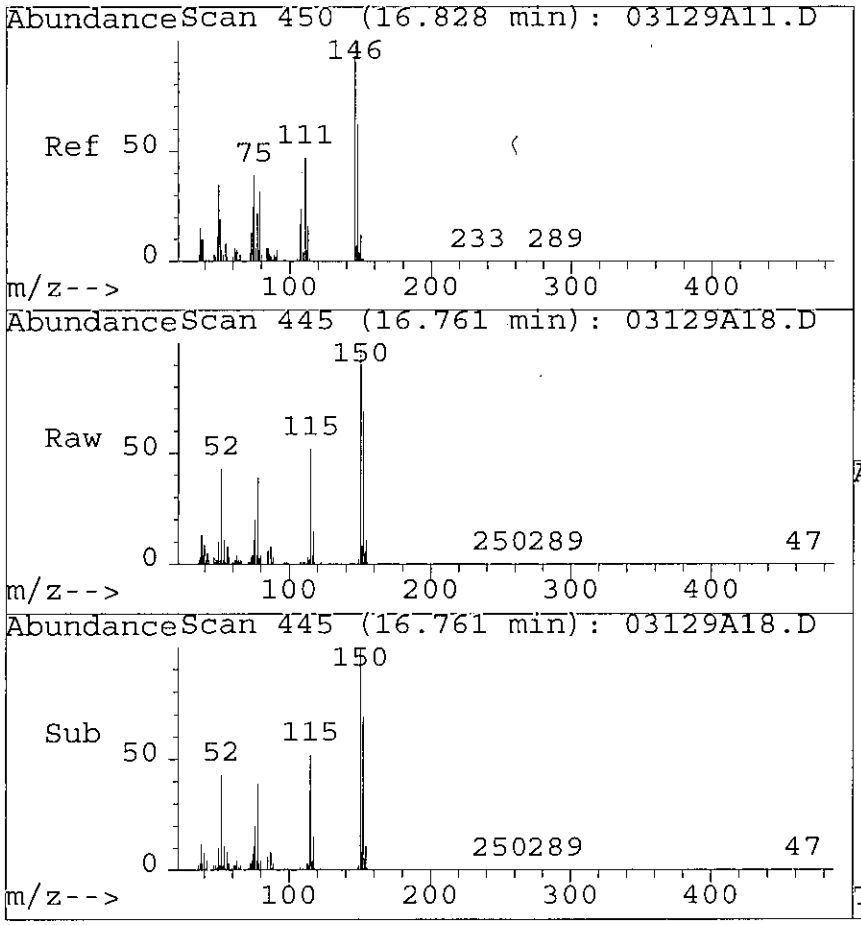


#6
PHENOL
Concen: 1.06 ug/ml
RT: 15.32 min Scan# 342
Delta R.T. -0.03 min
Lab File: 03129a18.d
Acq: 13 Mar 99 6:10 pm

Tgt Ion:94 Resp: 1703

Ion	Ratio	Lower	Upper
94	100		
66	406.9	35.1	52.6#
0	0.0	0.0	0.0
0	0.0	0.0	0.0

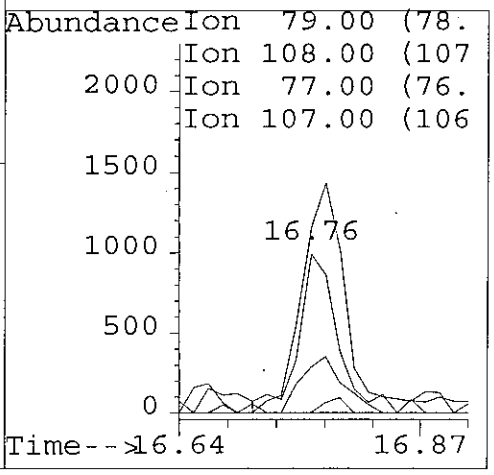


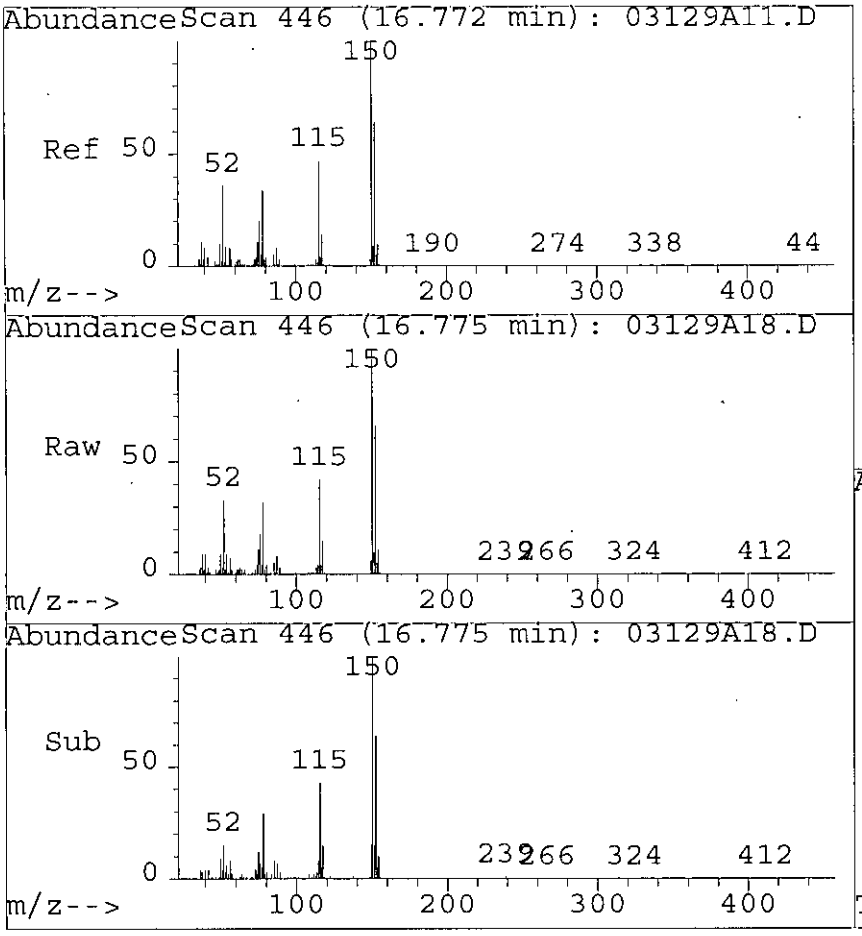


#11
BENZYL ALCOHOL
Concen: 3.81 ug/ml
RT: 16.76 min Scan# 445
Delta R.T. -0.07 min
Lab File: 03129a18.d
Acq: 13 Mar 99 6:10 pm

Tgt Ion:79 Resp: 2601

Ion	Ratio	Lower	Upper
79	100		
108	29.0	49.9	74.8#
77	117.0	53.8	80.7#
107	0.0	39.1	58.6#

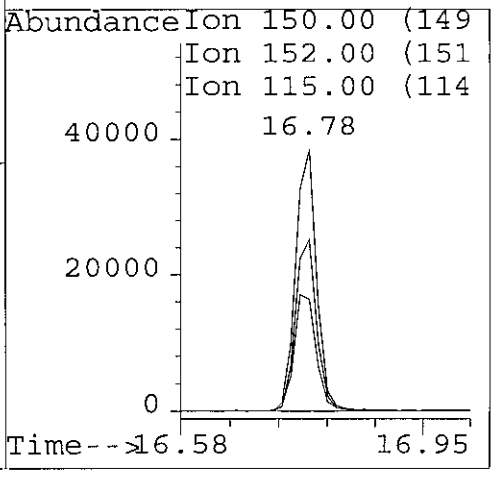


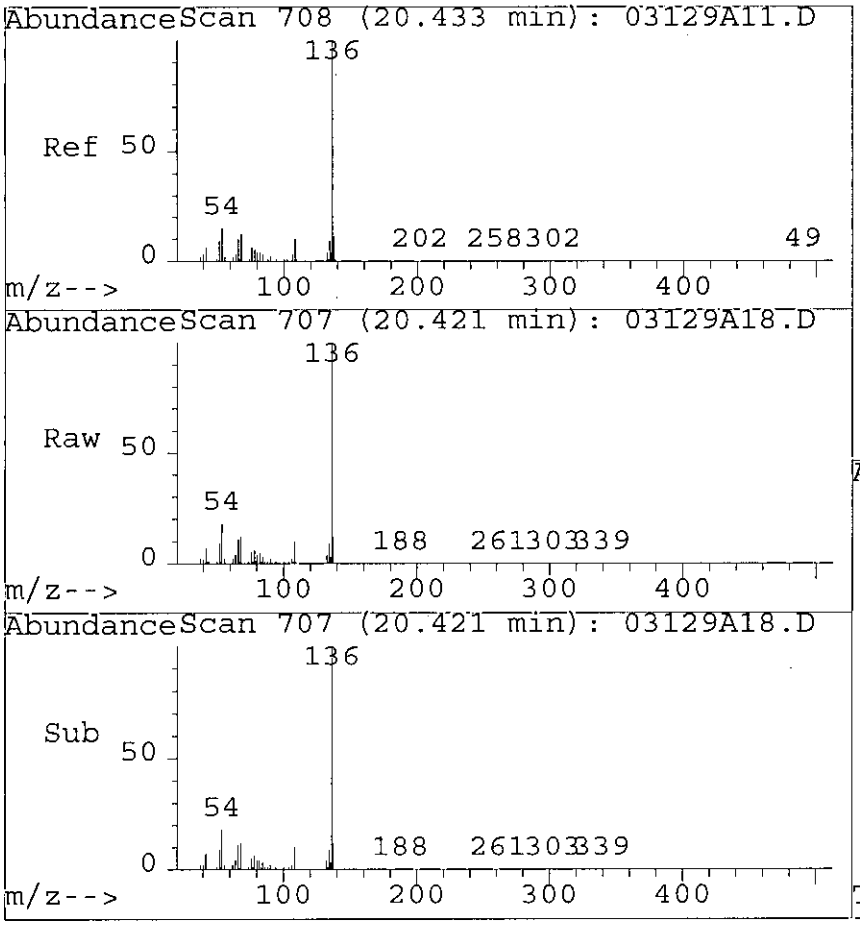


#12
1,2-DICHLOROBENZENE-D4
Concen: 65.17 ug/ml
RT: 16.78 min Scan# 446
Delta R.T. 0.00 min
Lab File: 03129a18.d
Acq: 13 Mar 99 6:10 pm

Tgt Ion:150 Resp: 86135

Ion	Ratio	Lower	Upper
150	100		
152	65.6	52.2	78.3
115	42.5	37.8	56.7
0	0.0	0.0	0.0

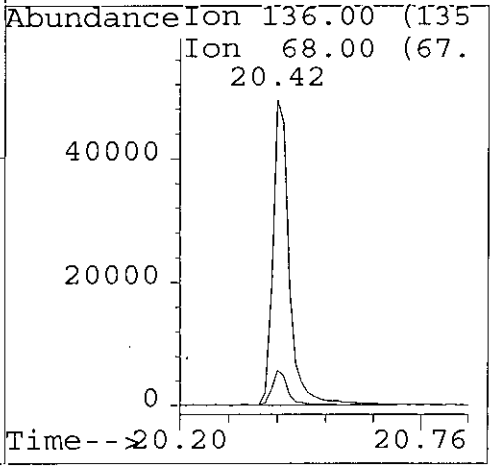


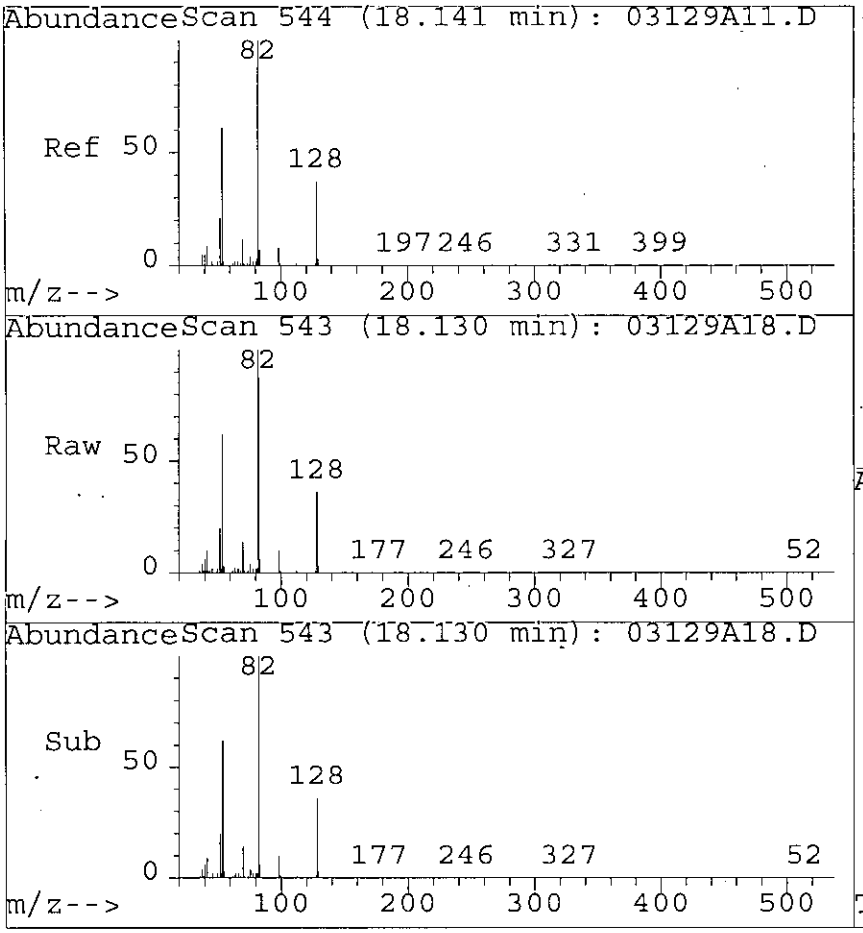


#19
NAPHTHALENE-D8
Concen: 40.00 ug/ml
RT: 20.42 min Scan# 707
Delta R.T. -0.01 min
Lab File: 03129a18.d
Acq: 13 Mar 99 6:10 pm

Tgt Ion:136 Resp: 131246

Ion	Ratio	Lower	Upper
136	100		
68	11.6	6.0	8.9#
0	0.0	0.0	0.0
0	0.0	0.0	0.0

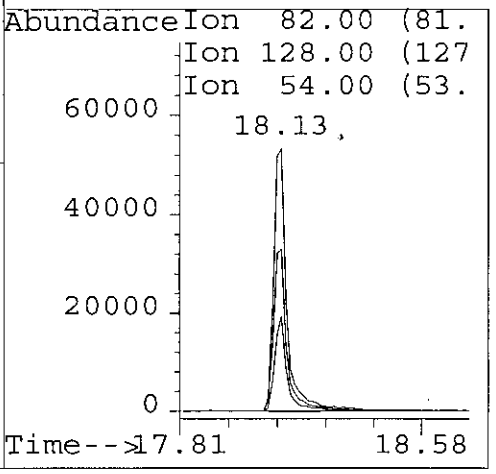


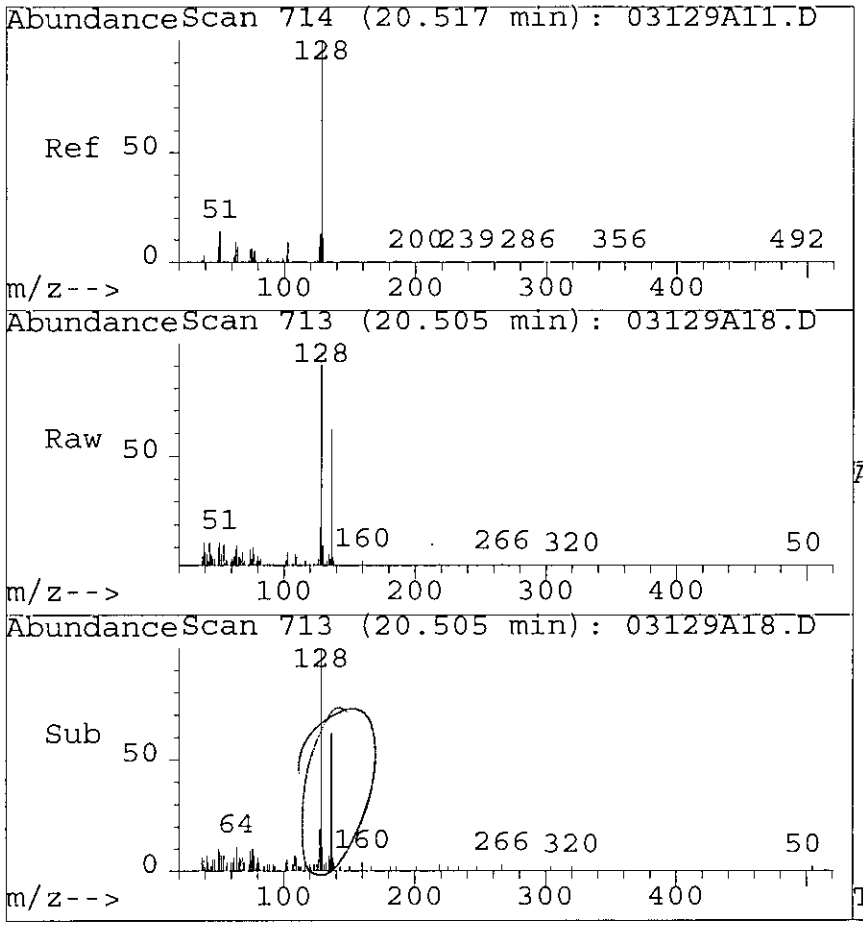


#20
NITROBENZENE-D5
Concen: 83.82 ug/ml
RT: 18.13 min Scan# 543
Delta R.T. -0.01 min
Lab File: 03129a18.d
Acq: 13 Mar 99 6:10 pm

Tgt Ion:82 Resp: 158056

Ion	Ratio	Lower	Upper
82	100		
128	36.3	34.4	51.5
54	62.0	42.9	64.4
0	0.0	0.0	0.0

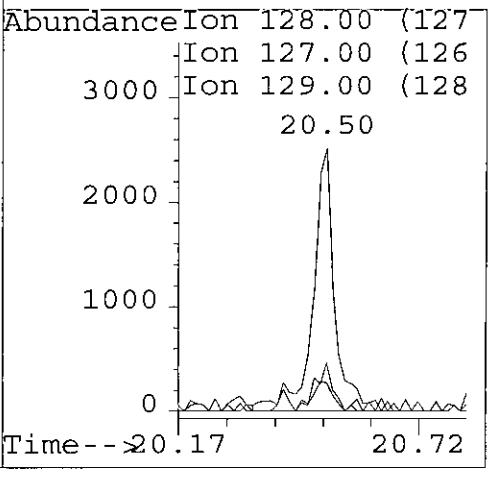


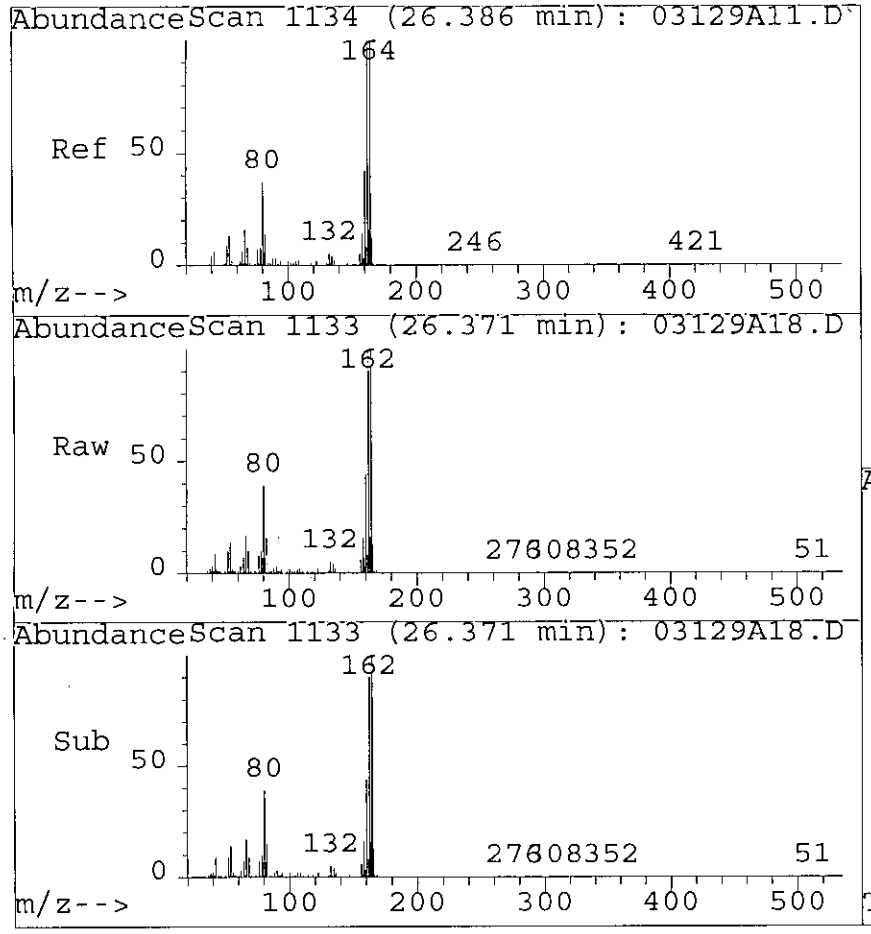


#29
NAPHTHALENE
Concen: 2.56 ug/ml
RT: 20.50 min Scan# 713
Delta R.T. -0.01 min
Lab File: 03129a18.d
Acq: 13 Mar 99 6:10 pm

Tgt Ion:128 Resp: 8820

Ion	Ratio	Lower	Upper
128	100		
127	18.5	10.7	16.0#
129	10.9	8.7	13.0
0	0.0	0.0	0.0

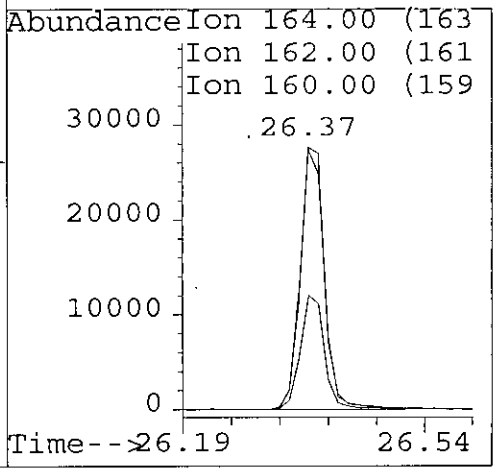


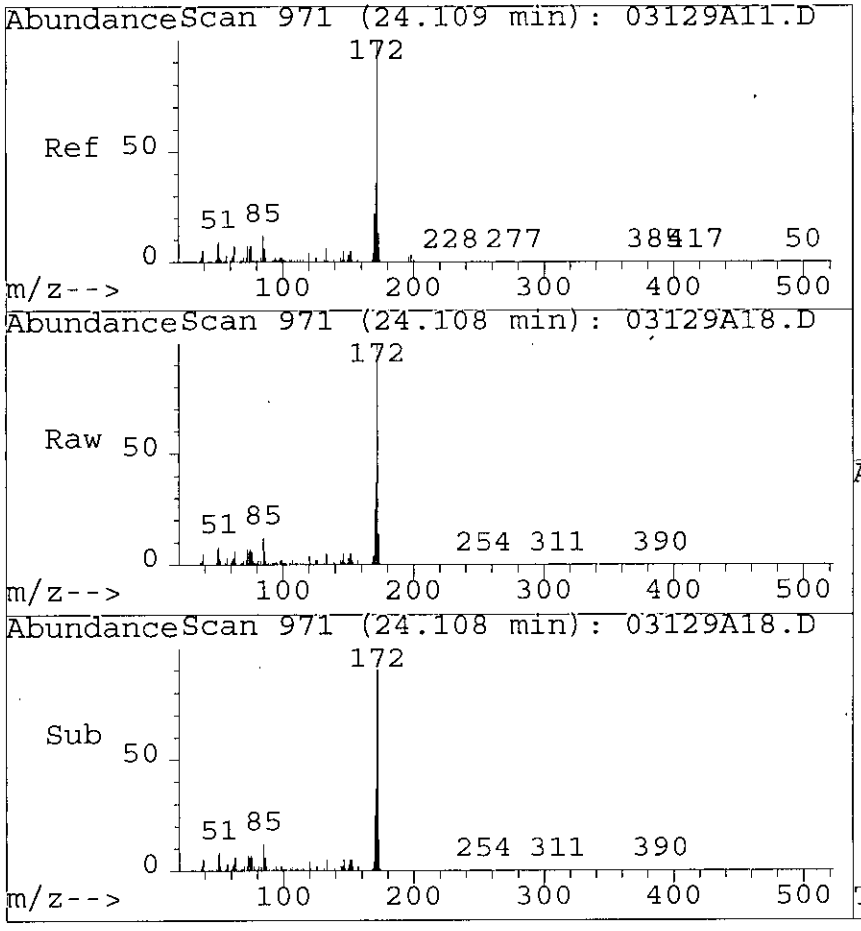


#34
ACENAPHTHENE-D10
Concen: 40.00 ug/ml
RT: 26.37 min Scan# 1133
Delta R.T. -0.02 min
Lab File: 03129a18.d
Acq: 13 Mar 99 6:10 pm

Tgt Ion:164 Resp: 64318

Ion	Ratio	Lower	Upper
164	100		
162	100.9	82.3	123.4
160	43.9	33.6	50.3
0	0.0	0.0	0.0

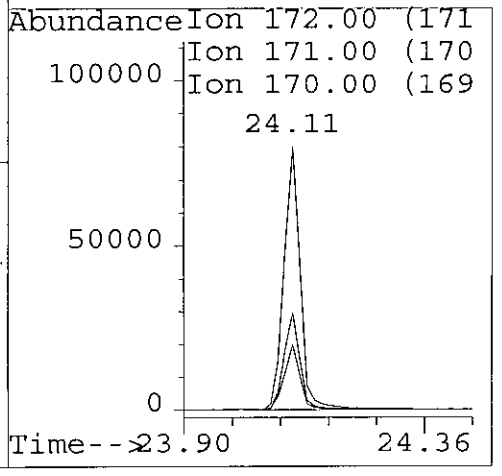


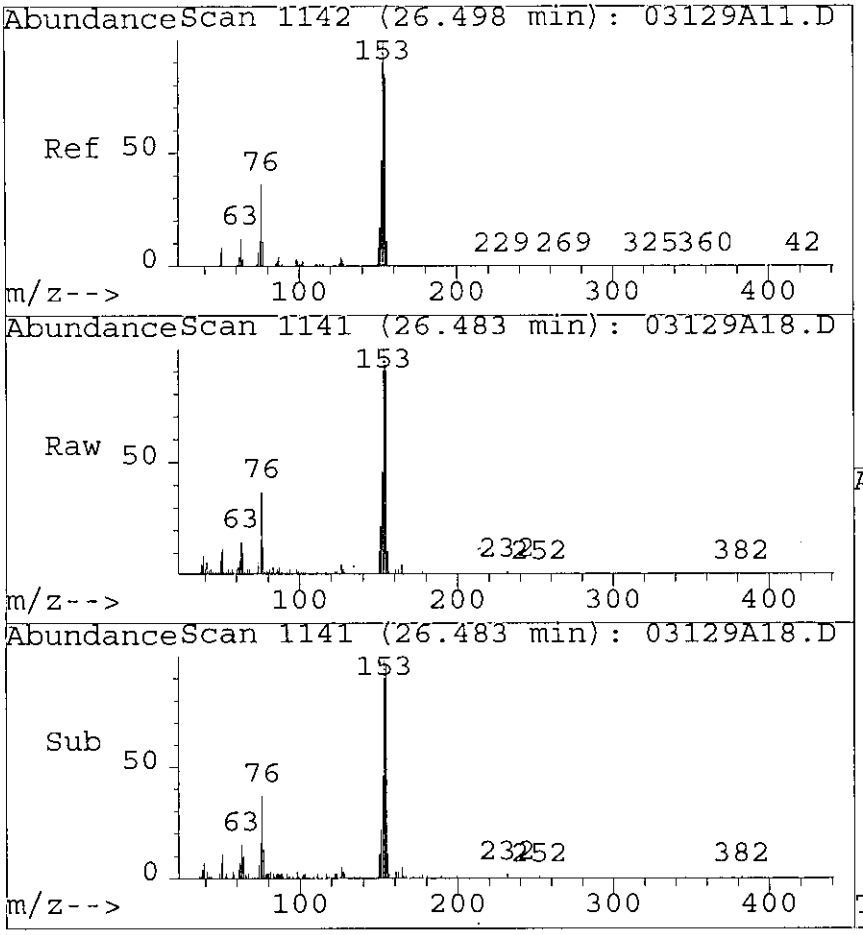


#38
FLUOROBIPHENYL
Concen: 83.37 ug/ml
RT: 24.11 min Scan# 971
Delta R.T. -0.00 min
Lab File: 03129a18.d
Acq: 13 Mar 99 6:10 pm

Tgt Ion:172 Resp: 177240

Ion	Ratio	Lower	Upper
172	100		
171	37.2	30.5	45.8
170	25.0	18.4	27.5
0	0.0	0.0	0.0

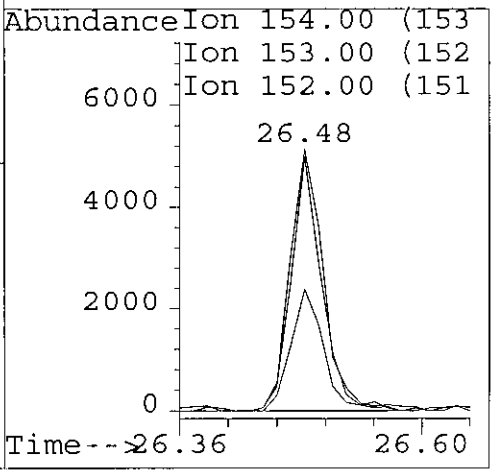


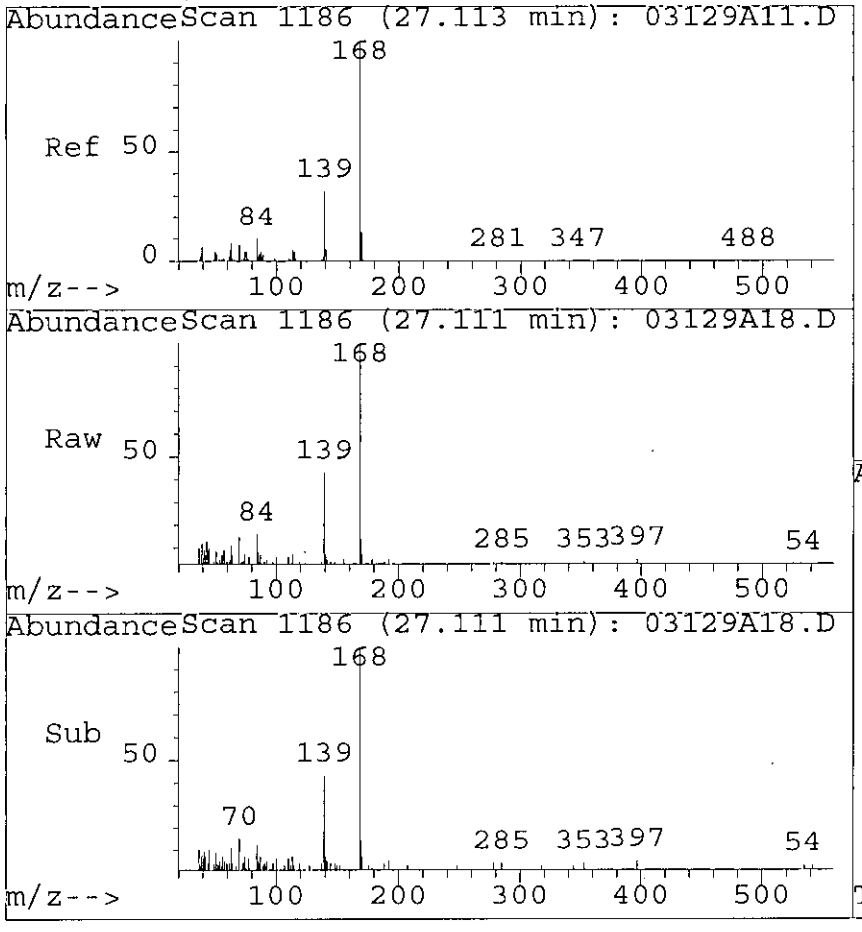


#45
ACENAPHTHENE
Concen: 6.19 ug/ml
RT: 26.48 min Scan# 1141
Delta R.T. -0.02 min
Lab File: 03129a18.d
Acq: 13 Mar 99 6:10 pm

Tgt Ion:154 Resp: 10646

Ion	Ratio	Lower	Upper
154	100		
153	102.9	97.8	146.7
152	47.6	46.8	70.1
0	0.0	0.0	0.0

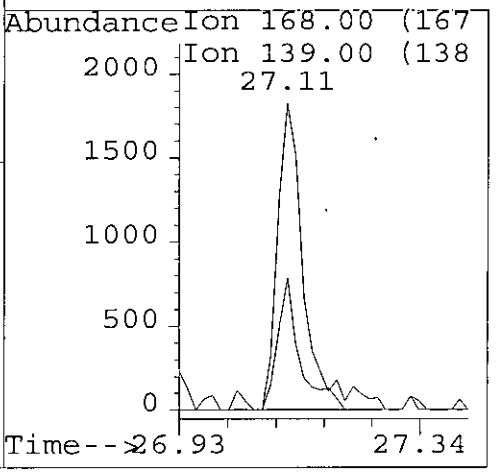


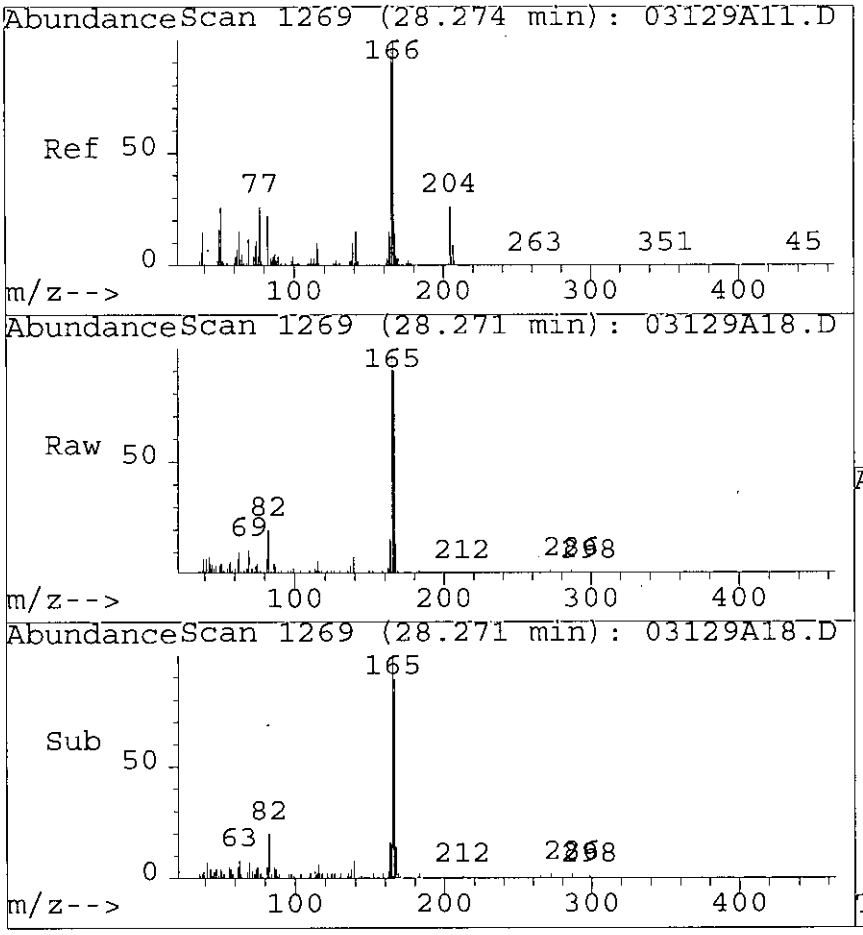


#47
DIBENZOFURAN
Concen: 2.05 ug/ml
RT: 27.11 min Scan# 1186
Delta R.T. -0.00 min
Lab File: 03129a18.d
Acq: 13 Mar 99 6:10 pm

Tgt Ion:168 Resp: 5790

Ion	Ratio	Lower	Upper
168	100		
139	43.2	30.5	45.7
0	0.0	0.0	0.0
0	0.0	0.0	0.0

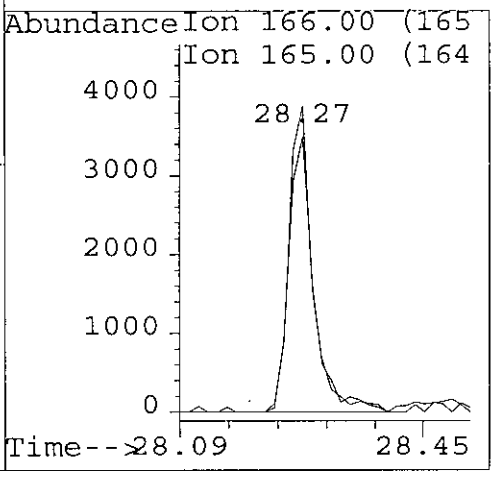


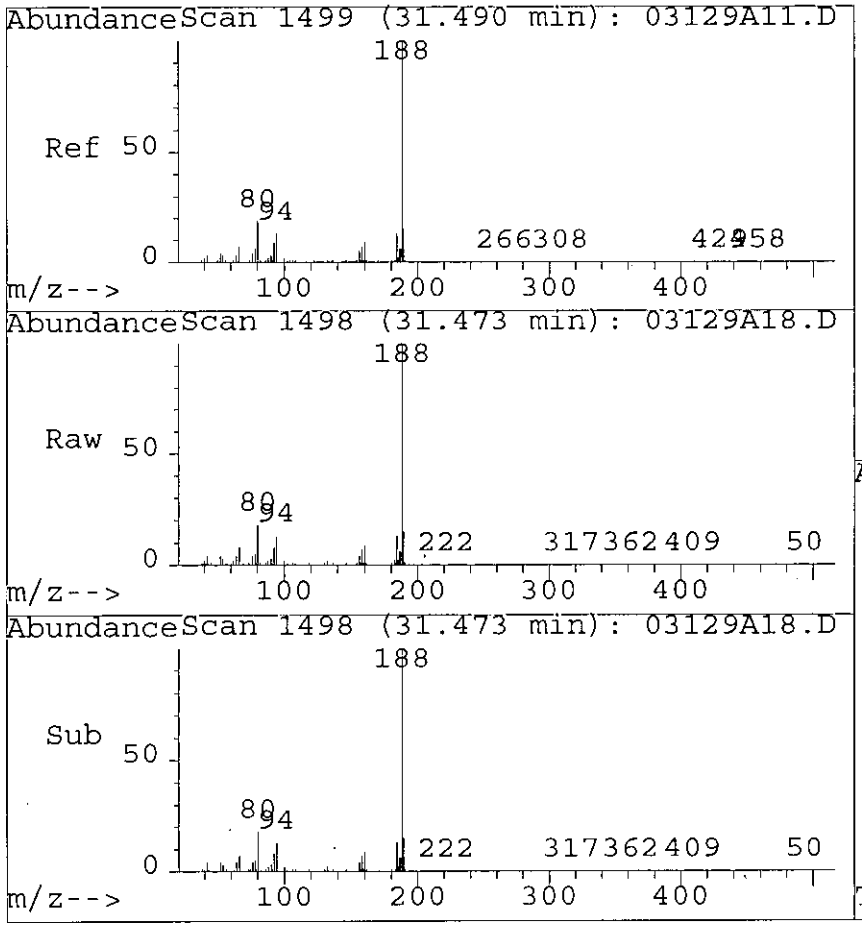


#51
FLUORENE
Concen: 4.31 ug/ml
RT: 28.27 min Scan# 1269
Delta R.T. -0.00 min
Lab File: 03129a18.d
Acq: 13 Mar 99 6:10 pm

Tgt Ion:166 Resp: 8952

Ion	Ratio	Lower	Upper
166	100		
165	111.2	83.7	125.5
0	0.0	0.0	0.0
0	0.0	0.0	0.0

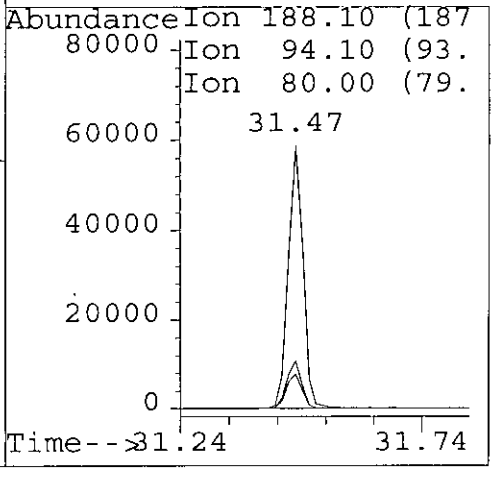


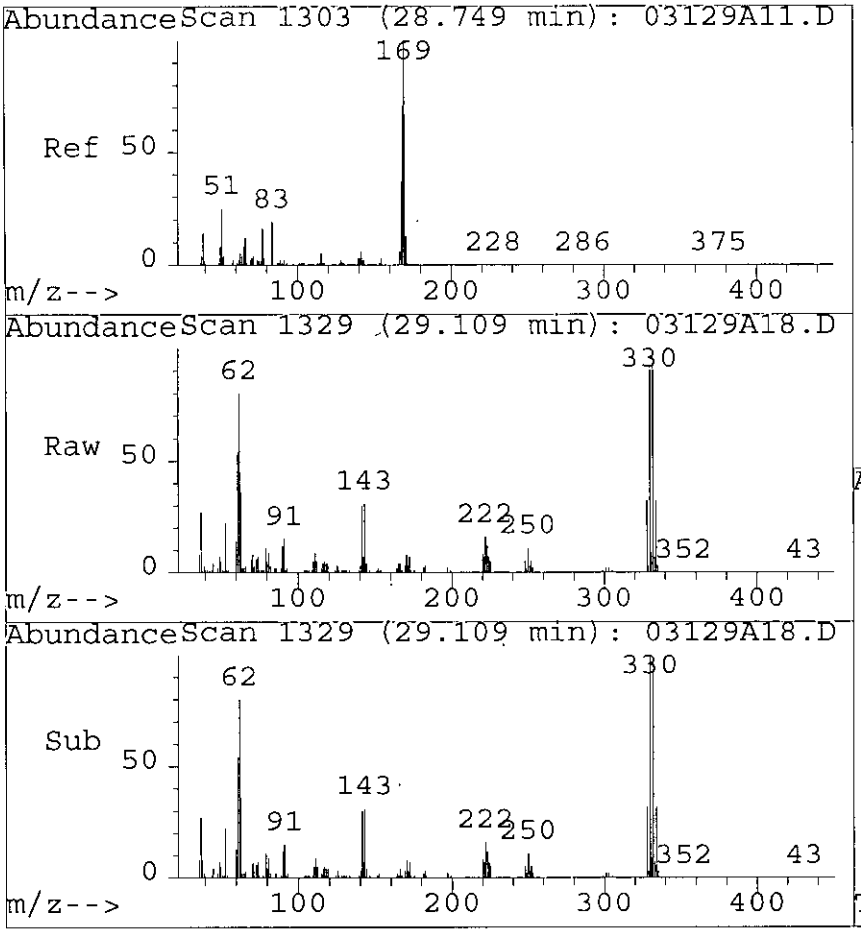


#54
PHENANTHRENE-D10
Concen: 40.00 ug/ml
RT: 31.47 min Scan# 1498
Delta R.T. -0.02 min
Lab File: 03129a18.d
Acq: 13 Mar 99 6:10 pm

Tgt Ion:188.1 Resp: 125877

Ion	Ratio	Lower	Upper
188	100		
94	13.4	11.6	17.3
80	18.5	13.7	20.5
0	0.0	0.0	0.0

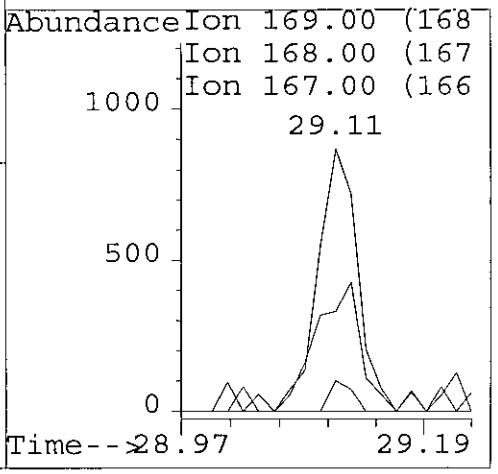


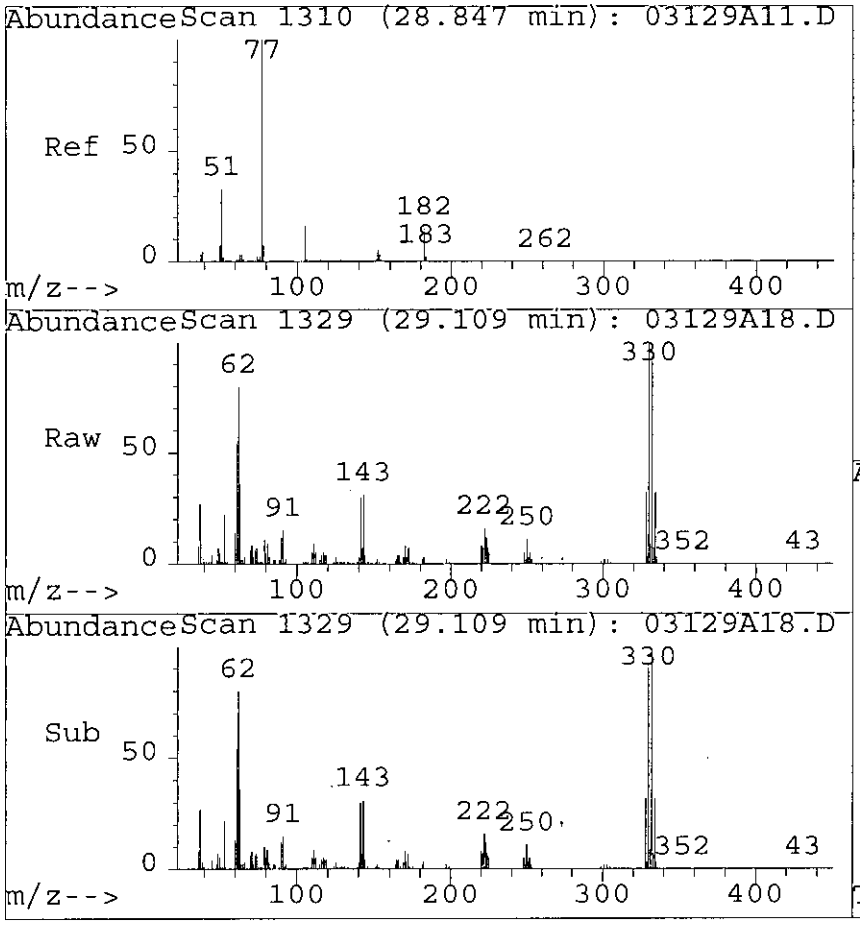


#56
N-NITROSODIPHENYLAMINE
Concen: 1.44 ug/ml
RT: 29.11 min Scan# 1329
Delta R.T. 0.36 min
Lab File: 03129a18.d
Acq: 13 Mar 99 6:10 pm

Tgt Ion:169 Resp: 2209

Ion	Ratio	Lower	Upper
169	100		
168	11.5	60.5	90.7#
167	38.1	31.4	47.1
0	0.0	0.0	0.0

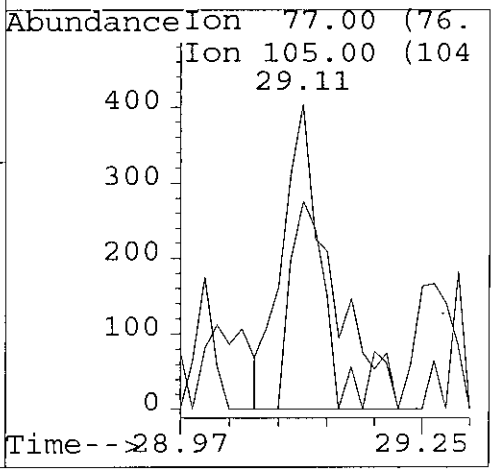


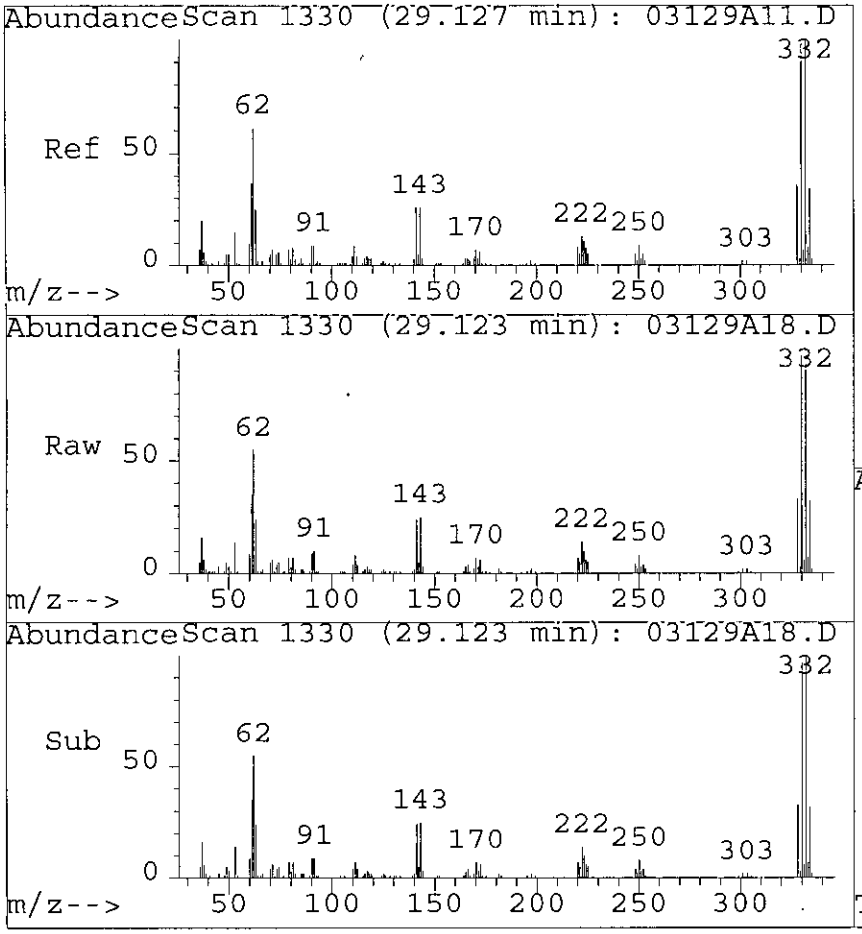


#57
DIPHENYLHYDRAZINE(AZOBENZENE)
Concen: 0.38 ug/ml
RT: 29.11 min Scan# 1329
Delta R.T. 0.26 min
Lab File: 03129a18.d
Acq: 13 Mar 99 6:10 pm

Tgt Ion:77 Resp: 1564

Ion	Ratio	Lower	Upper
77	100		
105	68.3	15.1	22.6#
0	0.0	0.0	0.0
0	0.0	0.0	0.0

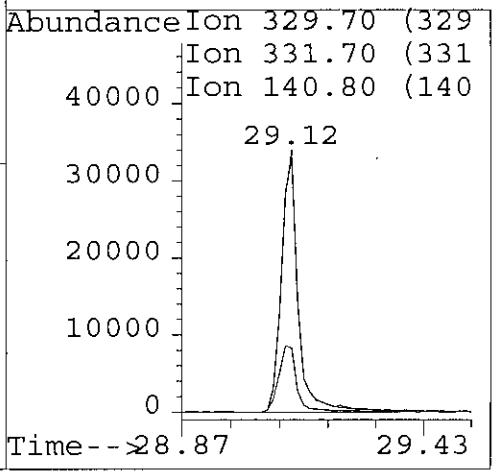


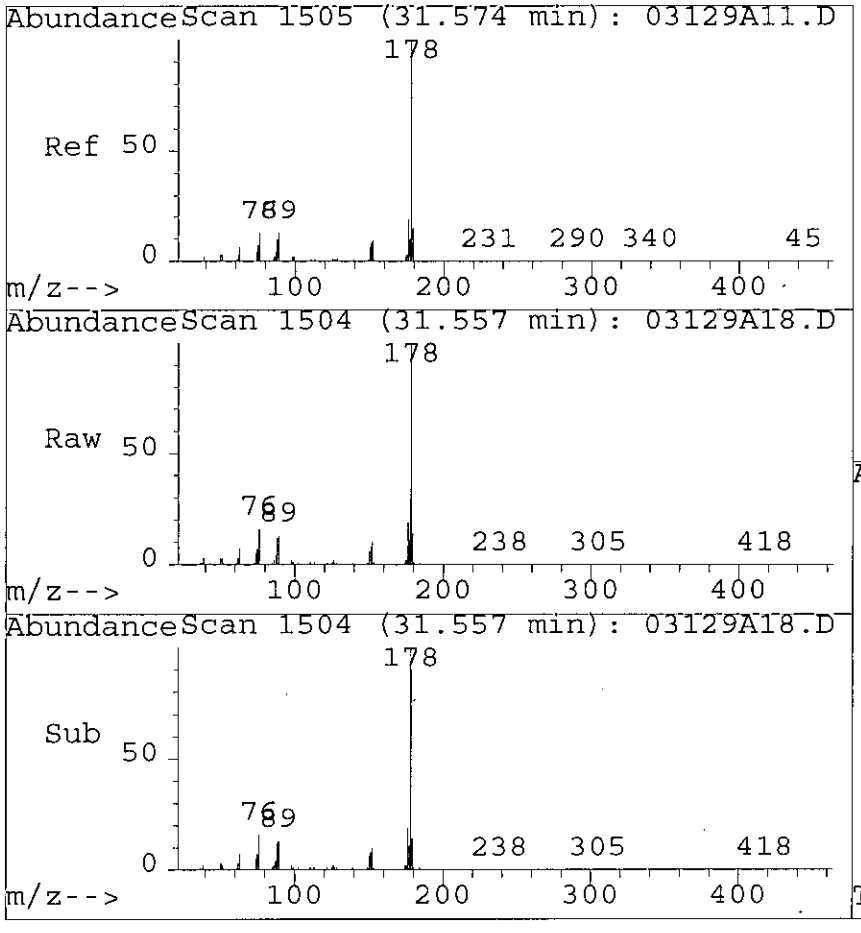


#58
2,4,6-TRIBROMOPHENOL
Concen: 174.15 ug/ml
RT: 29.12 min Scan# 1330
Delta R.T. -0.00 min
Lab File: 03129a18.d
Acq: 13 Mar 99 6:10 pm

Tgt Ion:329.7 Resp: 90118

Ion	Ratio	Lower	Upper
330	100		
332	103.4	69.7	104.5
141	25.2	30.9	46.4#
0	0.0	0.0	0.0

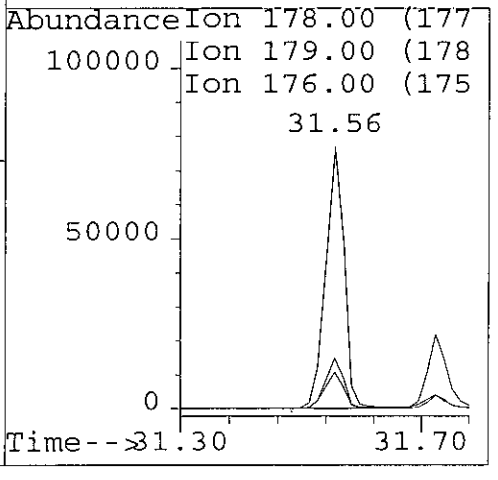


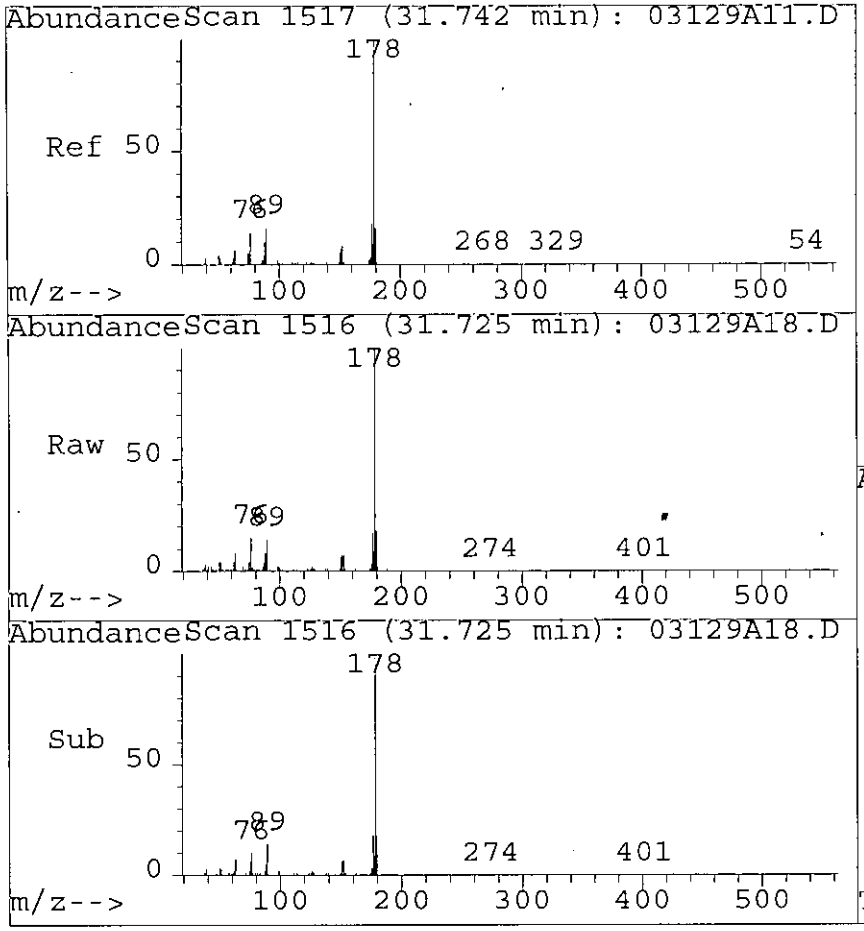


#65
PHENANTHRENE
Concen: 49.34 ug/ml
RT: 31.56 min Scan# 1504
Delta R.T. -0.02 min
Lab File: 03129a18.d
Acq: 13 Mar 99 6:10 pm

Tgt Ion:178 Resp: 163523

Ion	Ratio	Lower	Upper
178	100		
179	14.0	11.5	17.2
176	19.3	15.3	23.0
0	0.0	0.0	0.0

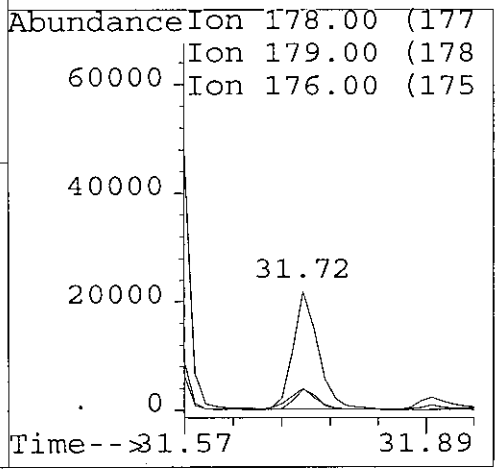


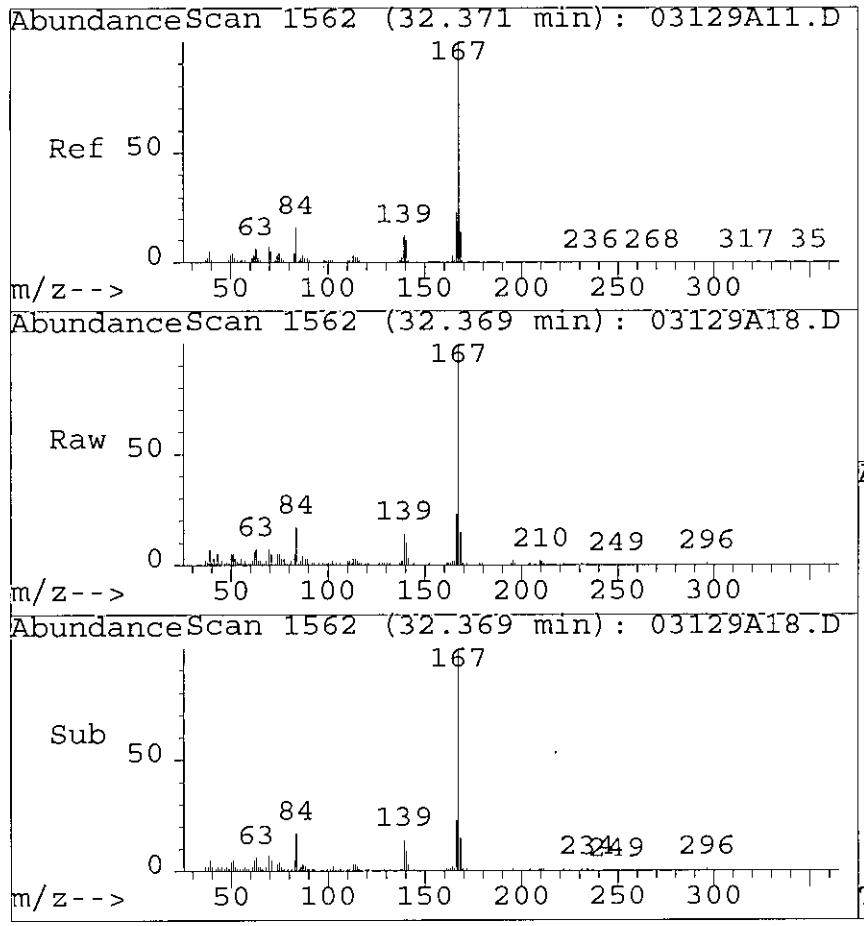


#66
ANTHRACENE
Concen: 14.81 ug/ml
RT: 31.72 min Scan# 1516
Delta R.T. -0.02 min
Lab File: 03129a18.d
Acq: 13 Mar 99 6:10 pm

Tgt Ion:178 Resp: 48825

Ion	Ratio	Lower	Upper
178	100		
179	18.3	12.3	18.4
176	17.4	14.6	21.9
0	0.0	0.0	0.0

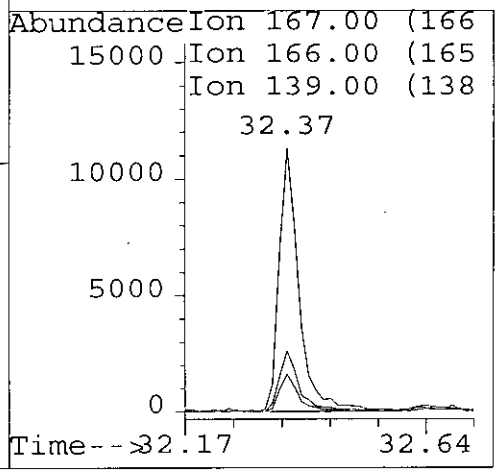


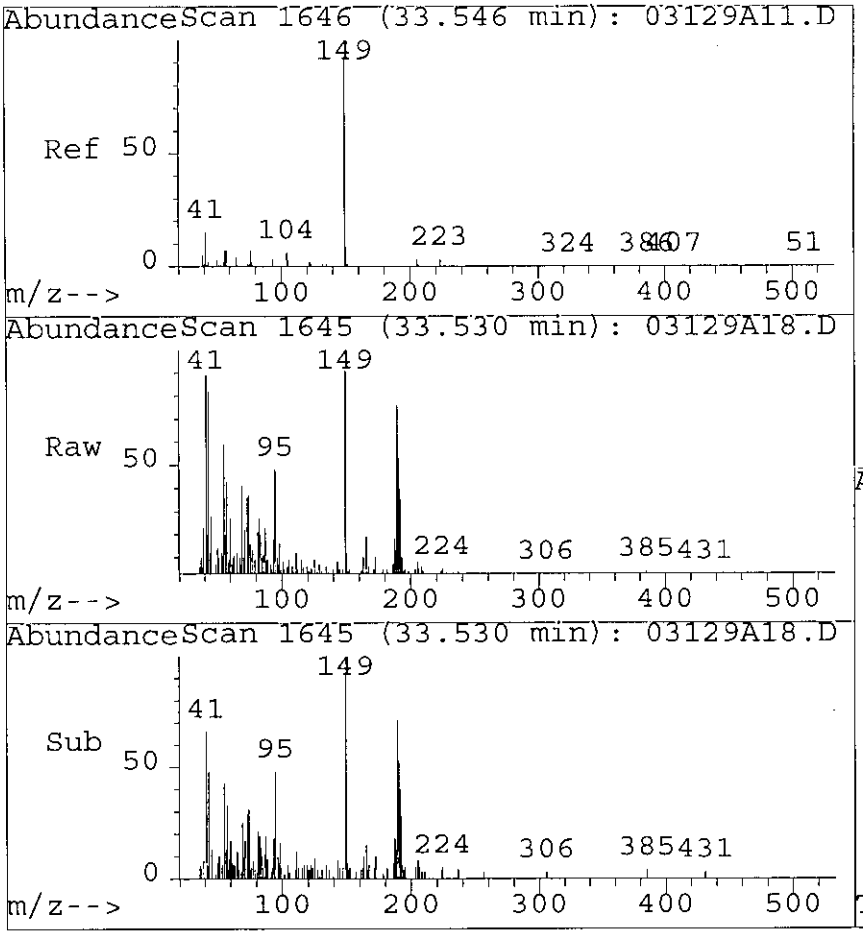


#68
CARBAZOLE
Concen: 9.79 ug/ml
RT: 32.37 min Scan# 1562
Delta R.T. -0.00 min
Lab File: 03129a18.d
Acq: 13 Mar 99 6:10 pm

Tgt Ion:167 Resp: 30588

Ion	Ratio	Lower	Upper
167	100		
166	23.2	18.5	27.7
139	14.4	10.5	15.8
0	0.0	0.0	0.0

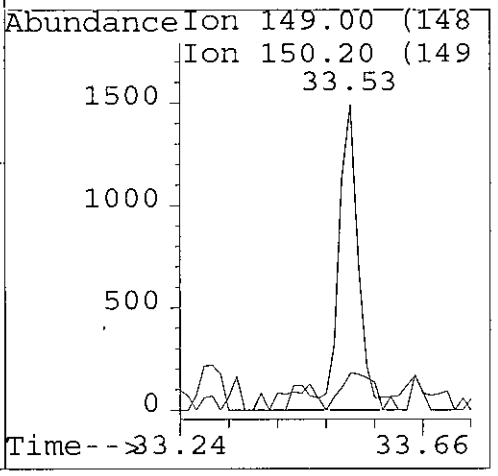


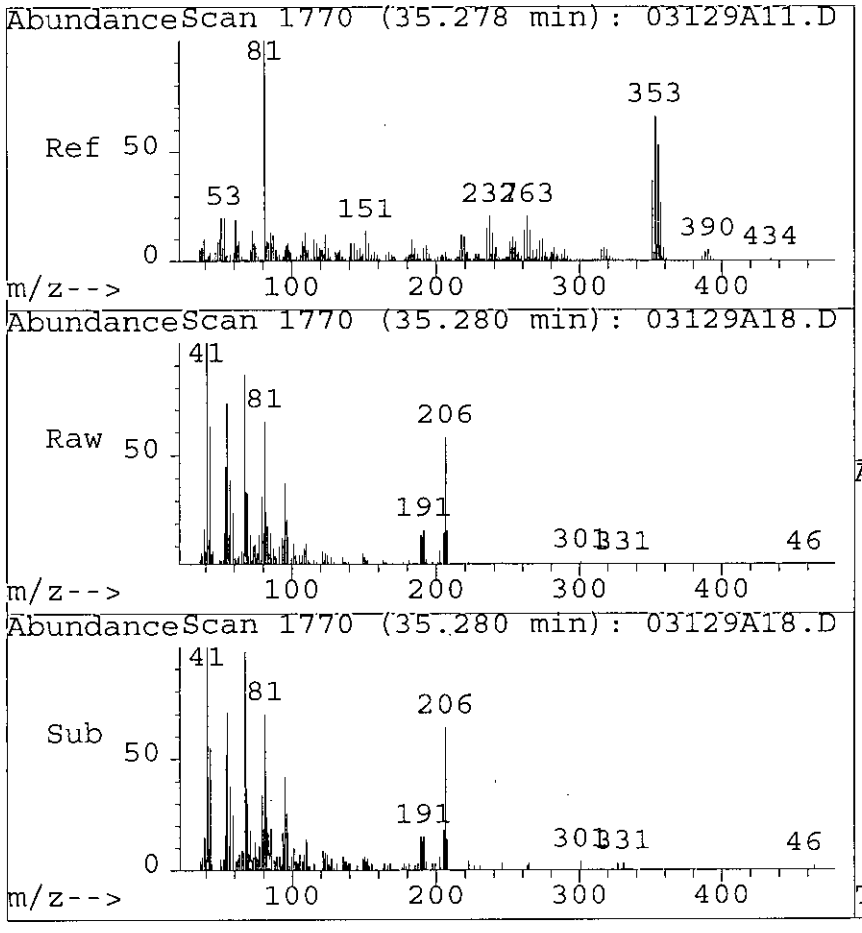


#70
DIBUTYLPHTHALATE
Concen: 0.83 ug/ml
RT: 33.53 min Scan# 1645
Delta R.T. -0.02 min
Lab File: 03129a18.d
Acq: 13 Mar 99 6:10 pm

Tgt Ion:149 Resp: 3961

Ion	Ratio	Lower	Upper
149	100		
150	12.1	7.1	10.6#
0	0.0	0.0	0.0
0	0.0	0.0	0.0

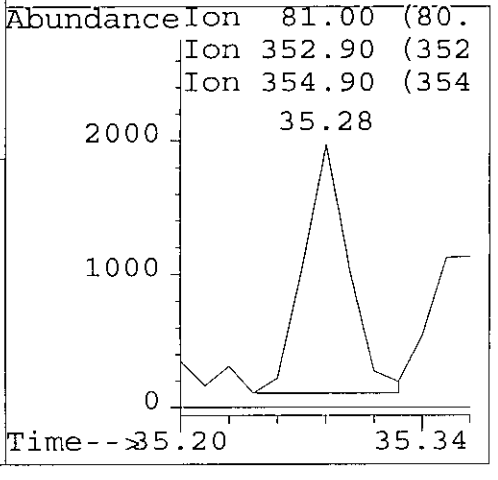


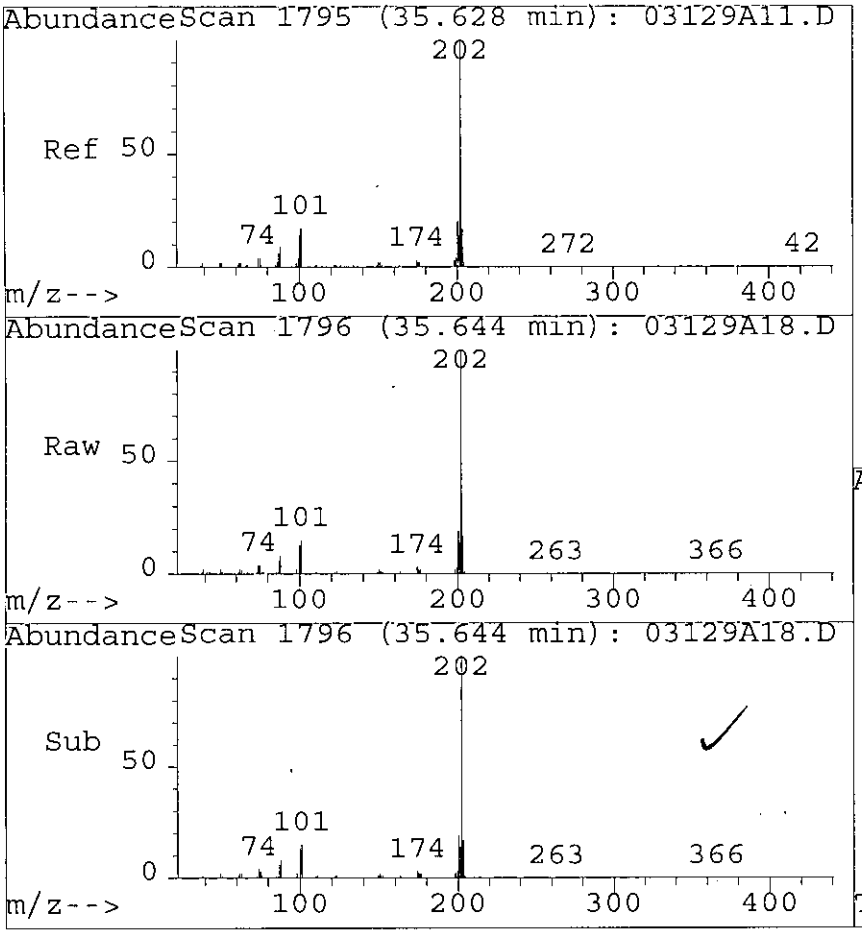


#72
HEPTACHLOR EPOXIDE
Concen: 6.48 ug/ml
RT: 35.28 min Scan# 1770
Delta R.T. 0.00 min
Lab File: 03129a18.d
Acq: 13 Mar 99 6:10 pm

Tgt Ion:81 Resp: 3418

Ion	Ratio	Lower	Upper
81	100		
353	0.0	32.2	48.3#
355	0.0	30.8	46.1#
0	0.0	0.0	0.0

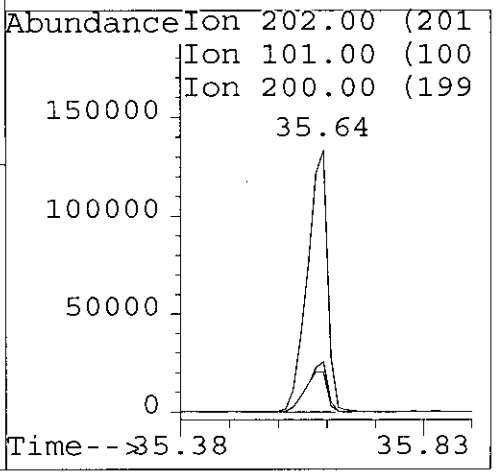


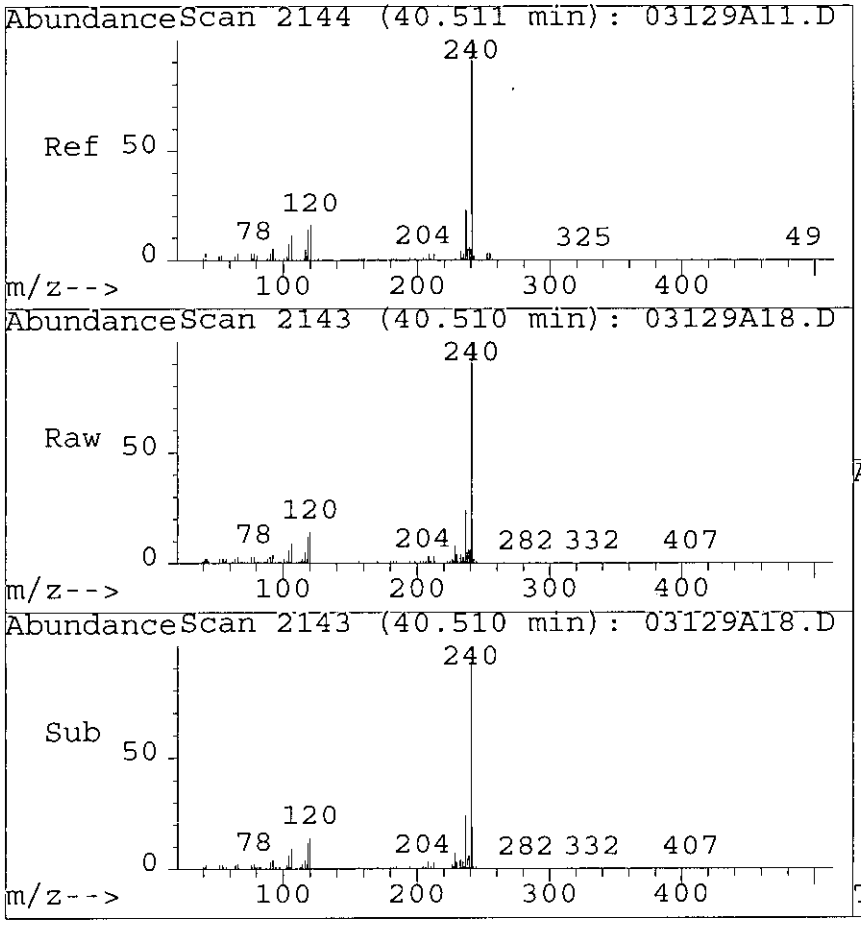


#73
FLUORANTHENE
Concen: 99.62 ug/ml
RT: 35.64 min Scan# 1796
Delta R.T. 0.02 min
Lab File: 03129a18.d
Acq: 13 Mar 99 6:10 pm

Tgt Ion:202 Resp: 350263

Ion	Ratio	Lower	Upper
202	100		
101	15.2	15.4	23.1#
200	19.1	16.2	24.3
0	0.0	0.0	0.0

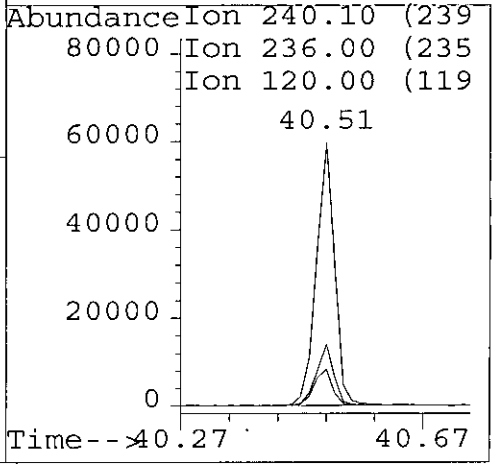


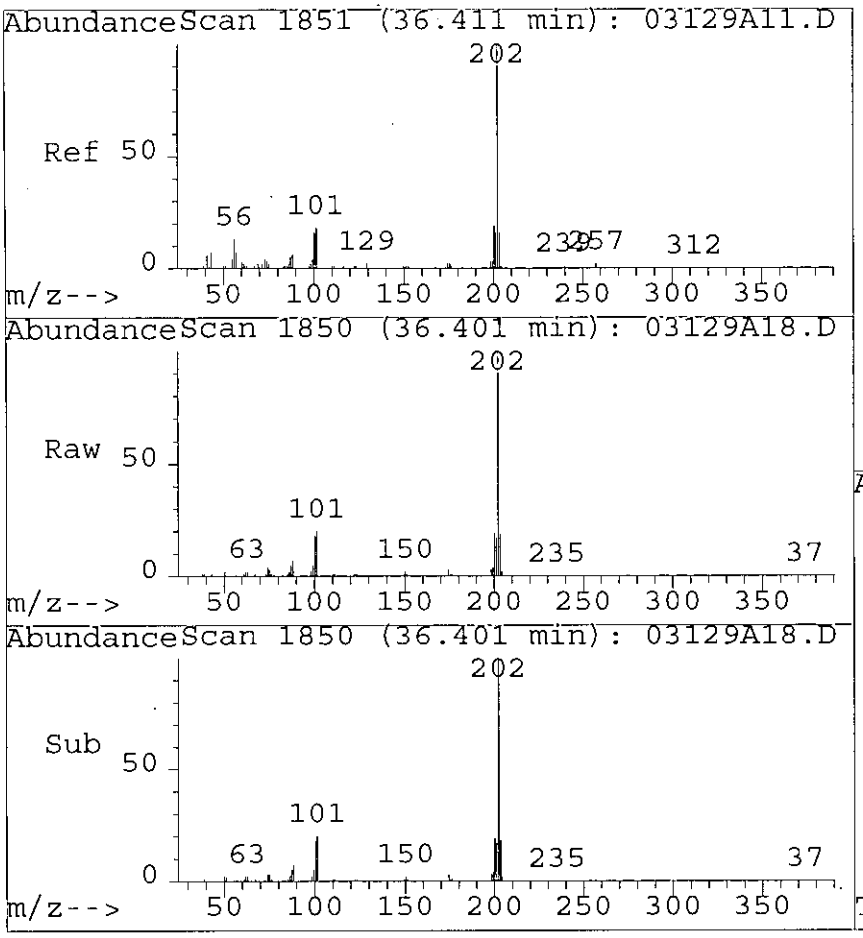


#74
CHRYSENE-D12
Concen: 40.00 ug/ml
RT: 40.51 min Scan# 2143
Delta R.T. -0.00 min
Lab File: 03129a18.d
Acq: 13 Mar 99 6:10 pm

Tgt Ion:240.1 Resp: 125079

Ion	Ratio	Lower	Upper
240	100		
236	23.7	20.6	30.9
120	14.0	17.5	26.2#
0	0.0	0.0	0.0

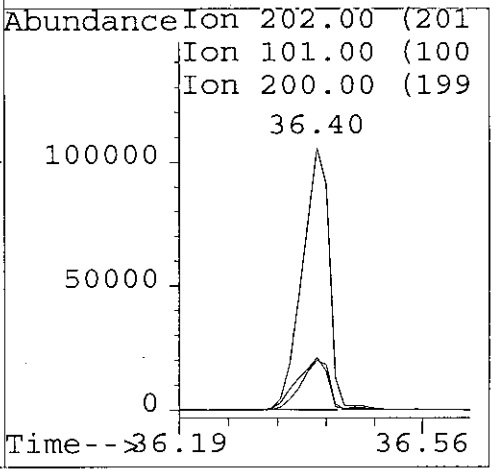


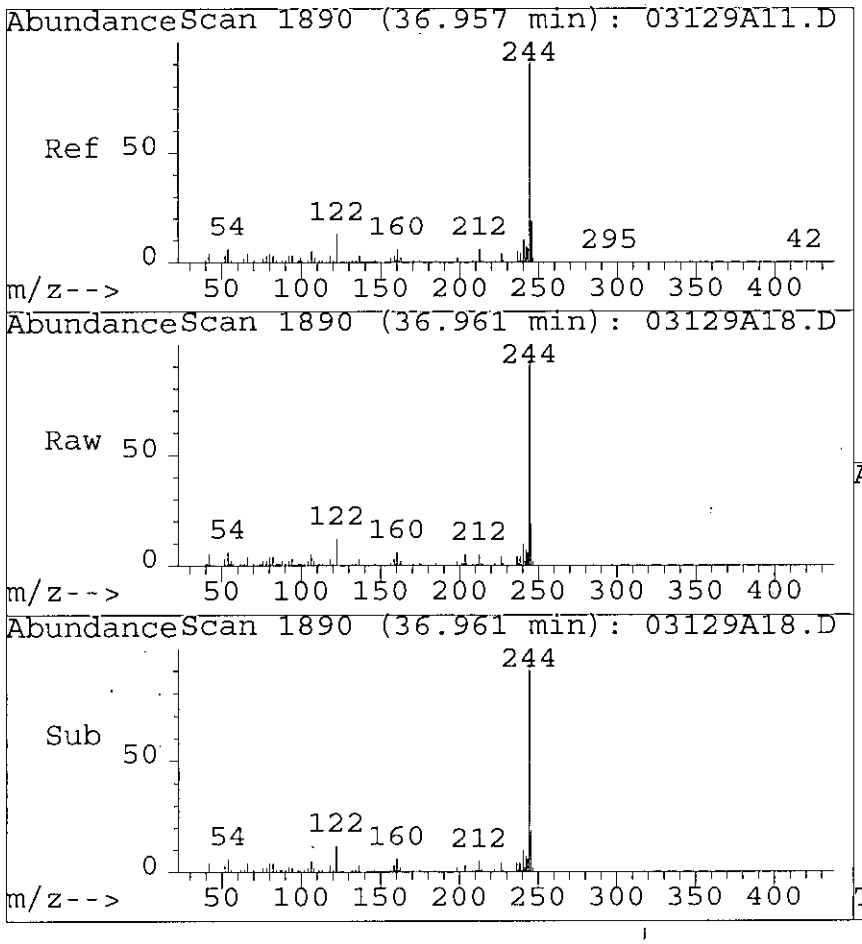


#75
PYRENE
Concen: 82.06 ug/ml
RT: 36.40 min Scan# 1850
Delta R.T. -0.01 min
Lab File: 03129a18.d
Acq: 13 Mar 99 6:10 pm

Tgt Ion:202 Resp: 303784

Ion	Ratio	Lower	Upper
202	100		
101	19.8	18.5	27.8
200	18.9	16.4	24.5
0	0.0	0.0	0.0

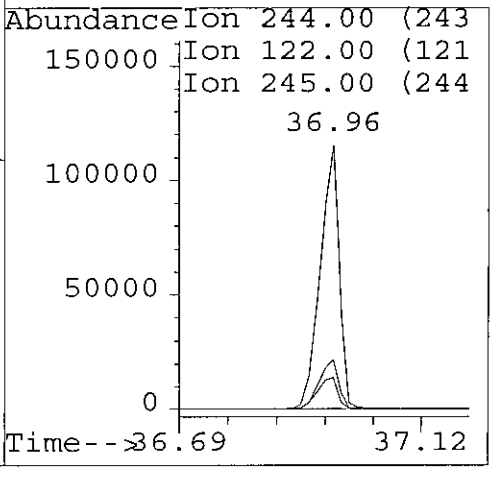


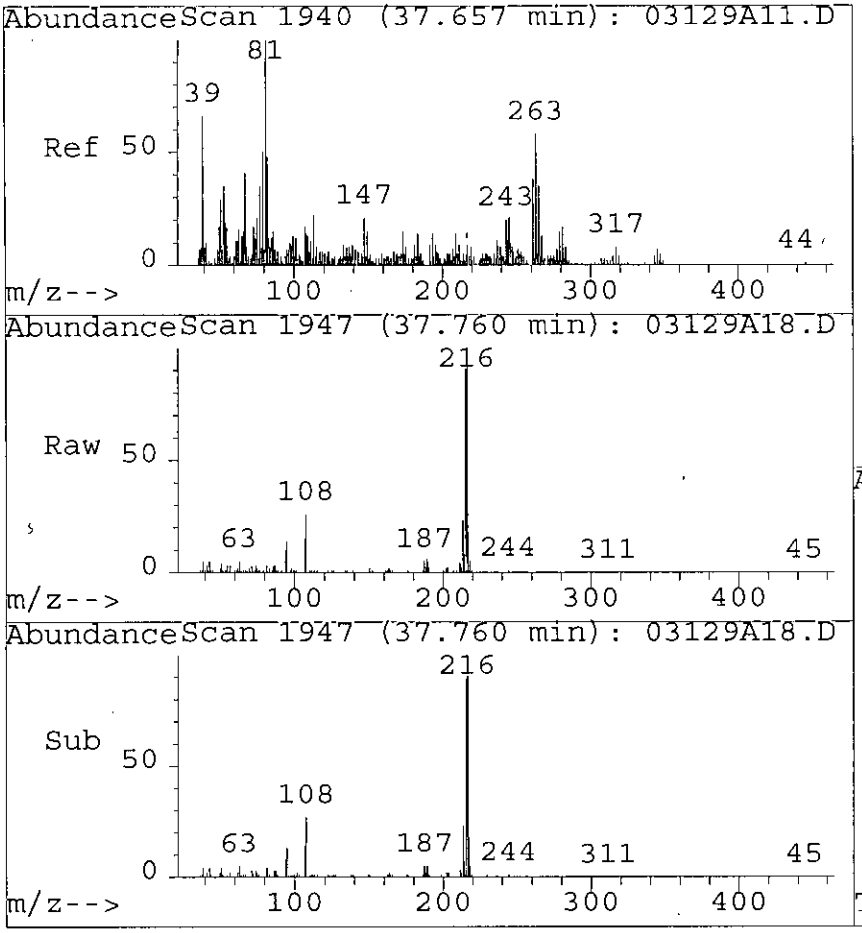


#78
P-TERPHENYL-D14
Concen: 86.72 ug/ml
RT: 36.96 min Scan# 1890
Delta R.T. 0.00 min
Lab File: 03129a18.d
Acq: 13 Mar 99 6:10 pm

Tgt Ion:244 Resp: 267774

Ion	Ratio	Lower	Upper
244	100		
122	12.1	15.3	23.0#
245	19.0	15.6	23.3
0	0.0	0.0	0.0

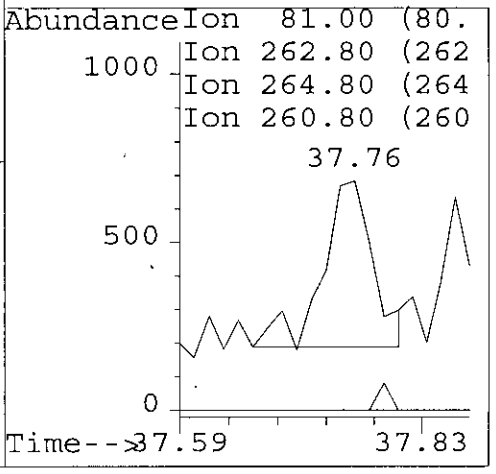


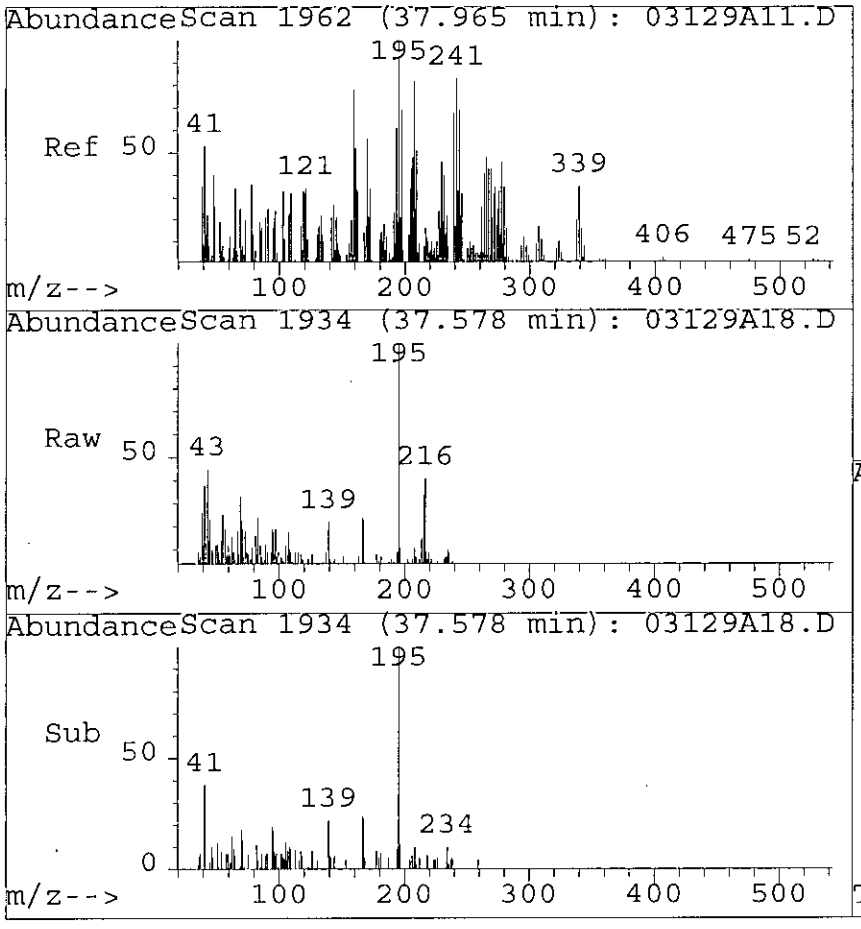


#80
ENDRIN
Concen: 5.29 ug/ml
RT: 37.76 min Scan# 1947
Delta R.T. 0.10 min
Lab File: 03129a18.d
Acq: 13 Mar 99 6:10 pm

Tgt Ion:81 Resp: 1699

Ion	Ratio	Lower	Upper
81	100		
263	0.0	35.7	53.6#
265	0.0	24.4	36.5#
261	0.0	24.6	36.9#

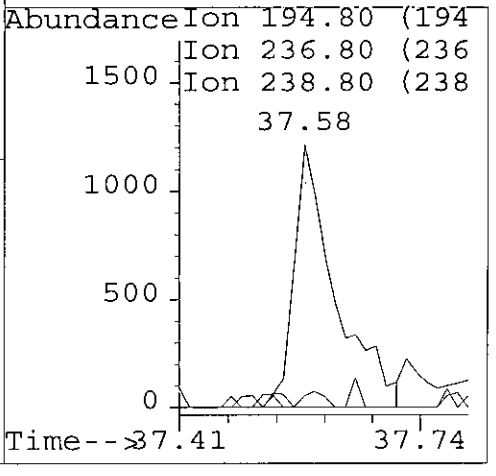


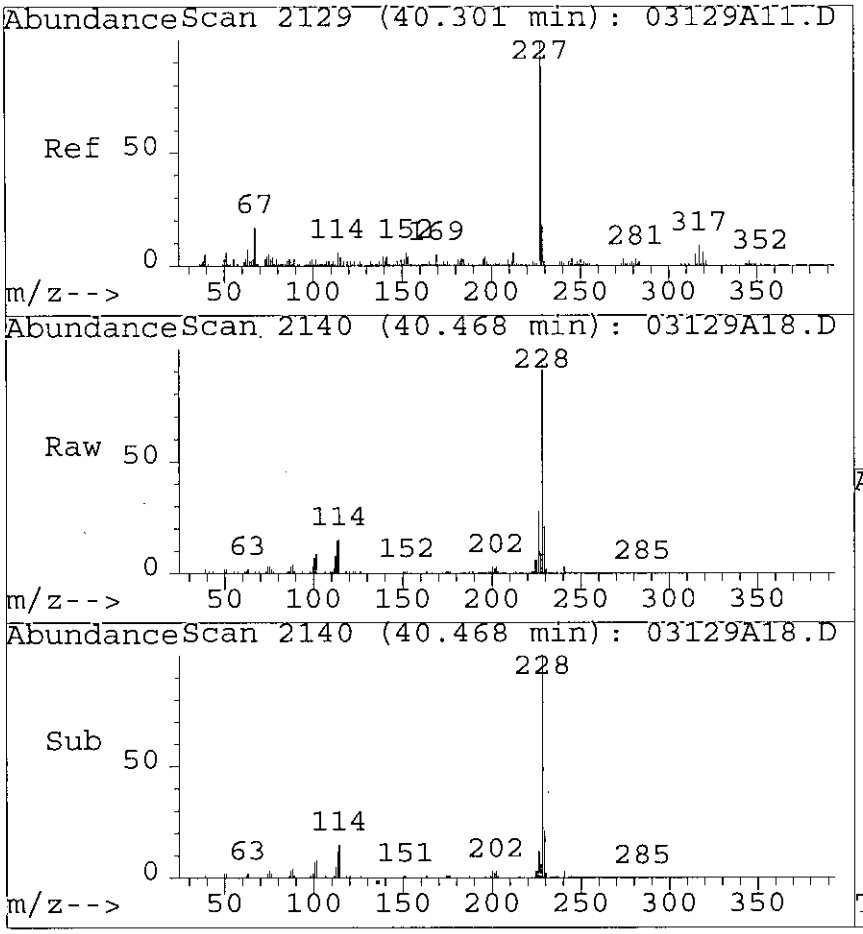


#81
ENDOSULFAN II
Concen: 41.96 ug/ml
RT: 37.58 min Scan# 1934
Delta R.T. -0.39 min
Lab File: 03129a18.d
Acq: 13 Mar 99 6:10 pm

Tgt Ion:194.8 Resp: 4803

Ion	Ratio	Lower	Upper
195	100		
237	4.4	57.4	86.1#
239	0.0	57.3	85.9#
0	0.0	0.0	0.0

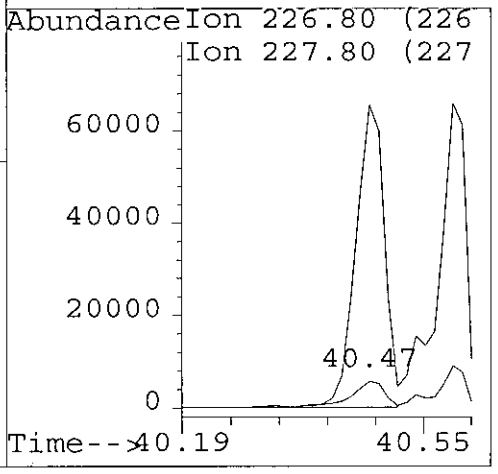


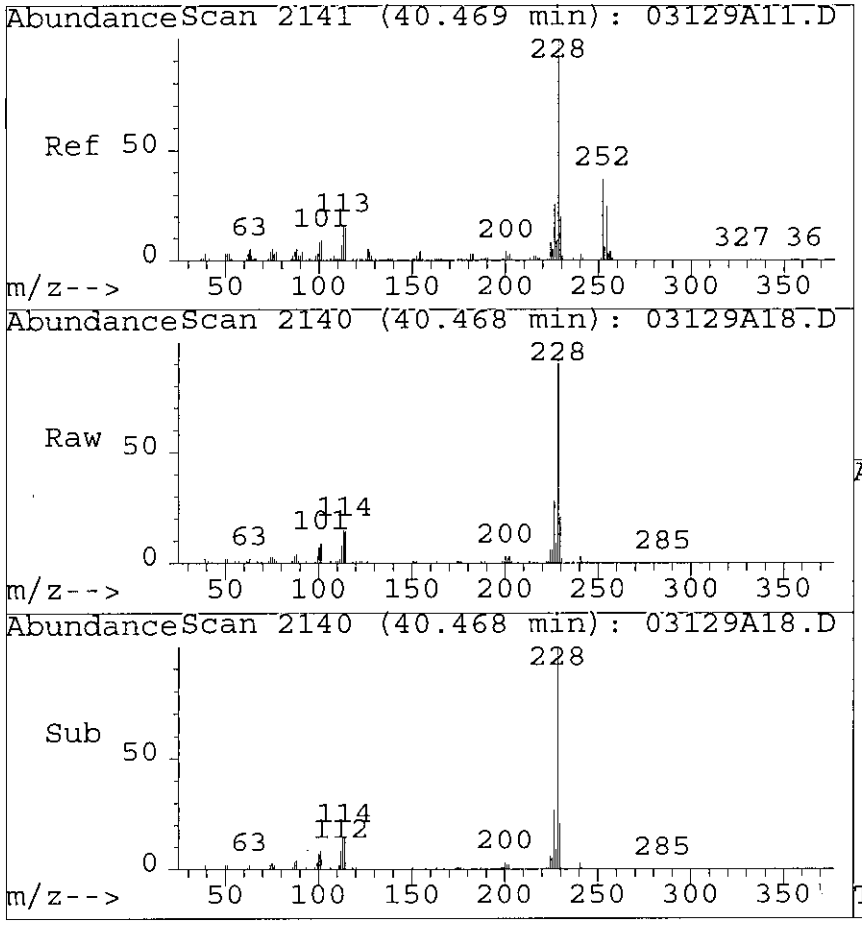


#86
METHOXYCHLOR
Concen: 9.70 ug/ml
RT: 40.47 min Scan# 2140
Delta R.T. 0.17 min
Lab File: 03129a18.d
Acq: 13 Mar 99 6:10 pm

Tgt Ion:226.8 Resp: 20366

Ion	Ratio	Lower	Upper
227	100		
228	1146.5	13.2	19.7#
0	0.0	0.0	0.0
0	0.0	0.0	0.0

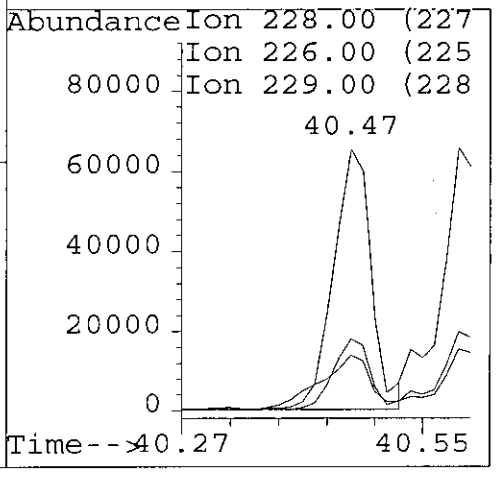


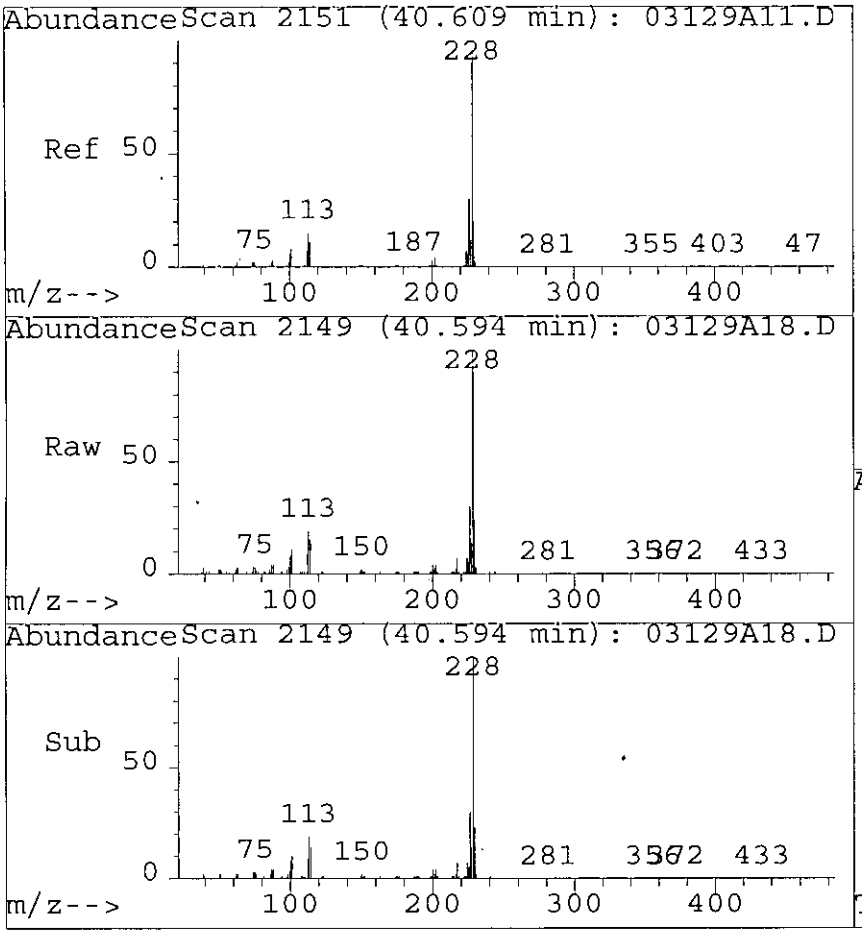


#89
BENZ(A)ANTHRACENE
Concen: 62.24 ug/ml
RT: 40.47 min Scan# 2140
Delta R.T. -0.00 min
Lab File: 03129a18.d
Acq: 13 Mar 99 6:10 pm

Tgt Ion:228 Resp: 202427

Ion	Ratio	Lower	Upper
228	100		
226	27.6	22.6	33.9
229	21.5	16.8	25.1
0	0.0	0.0	0.0

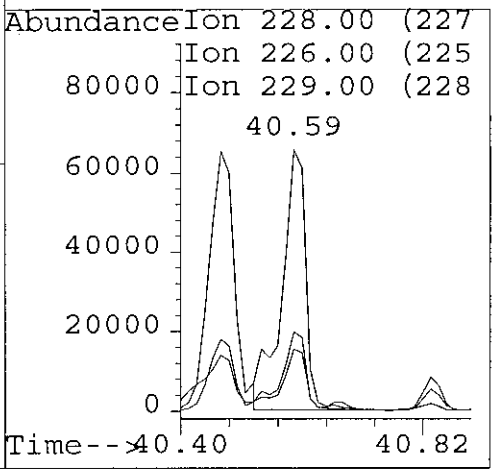


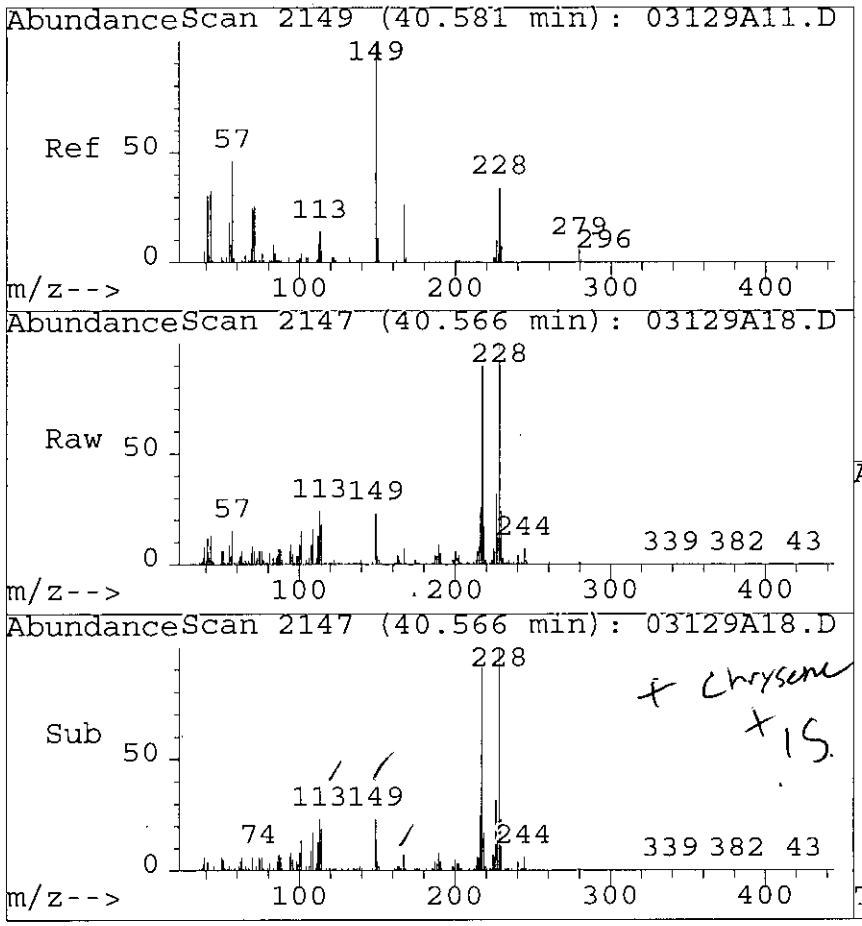


#90
CHRYSENE
Concen: 61.21 ug/ml
RT: 40.59 min Scan# 2149
Delta R.T. -0.02 min
Lab File: 03129a18.d
Acq: 13 Mar 99 6:10 pm

Tgt Ion:228 Resp: 188839

Ion	Ratio	Lower	Upper
228	100		
226	30.3	22.1	33.1
229	23.7	16.2	24.3
0	0.0	0.0	0.0

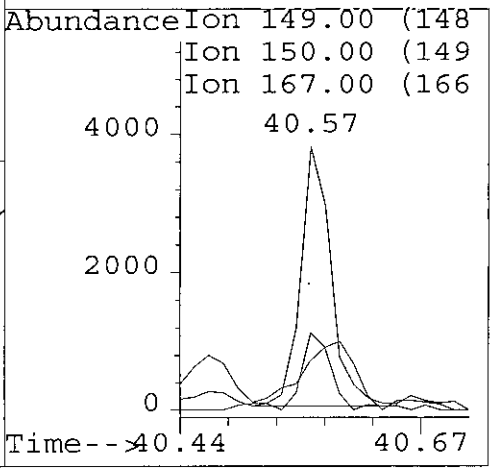


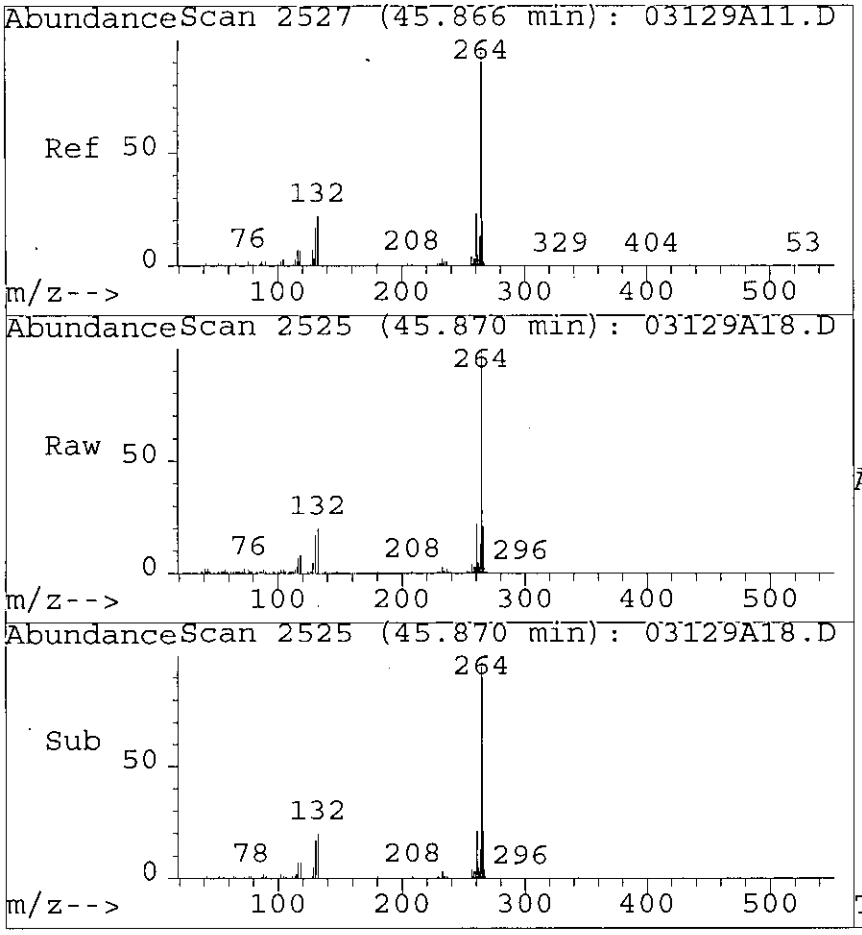


#91
BIS(2-ETHYLHEXYL)PHTHALATE
Concen: 2.70 ug/ml
RT: 40.57 min Scan# ~~2147~~
Delta R.T. -0.02 min
Lab File: 03129a18.d
Acq: 13 Mar 99 6:10 pm

Tgt Ion:149 Resp: 7829

Ion	Ratio	Lower	Upper
149	100		
150	19.0	9.5	14.2#
167	29.5	20.5	30.7
0	0.0	0.0	0.0

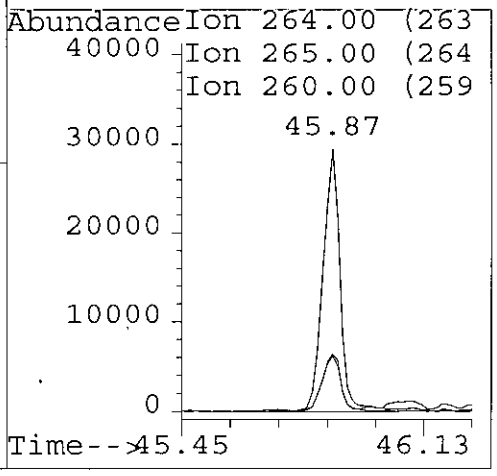


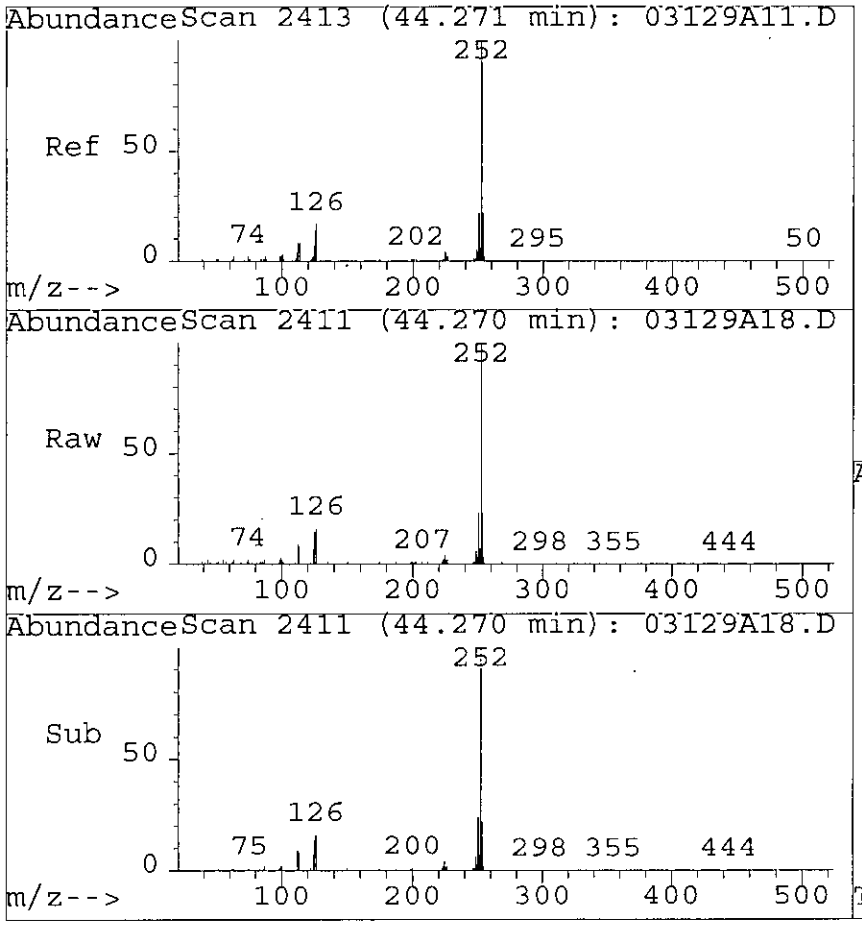


#92
PERYLENE-D12
Concen: 40.00 ug/ml
RT: 45.87 min Scan# 2525
Delta R.T. 0.00 min
Lab File: 03129a18.d
Acq: 13 Mar 99 6:10 pm

Tgt Ion:264 Resp: 97877

Ion	Ratio	Lower	Upper
264	100		
265	20.9	17.1	25.6
260	21.7	19.3	28.9
0	0.0	0.0	0.0

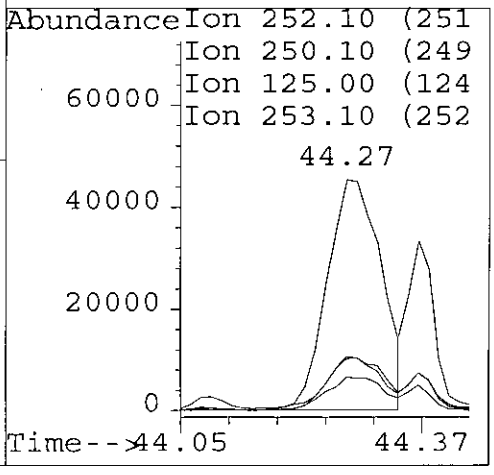


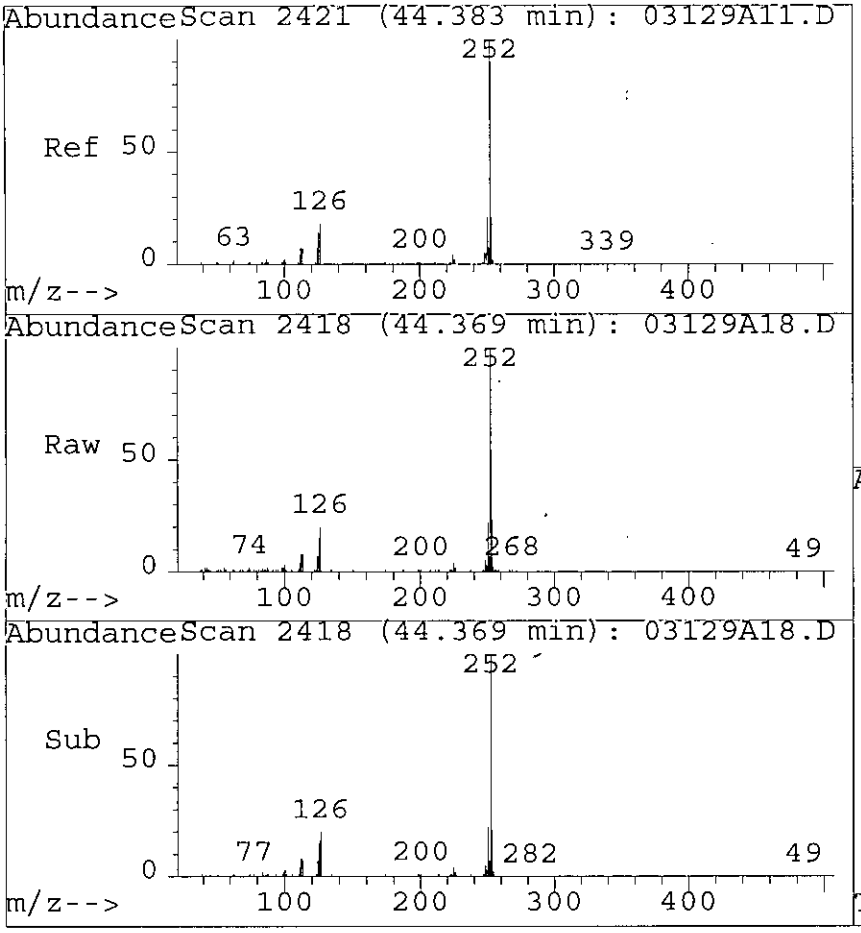


#94
BENZO(B)FLUORANTHENE
Concen: 73.56 ug/ml
RT: 44.27 min Scan# 2411
Delta R.T. -0.00 min
Lab File: 03129a18.d
Acq: 13 Mar 99 6:10 pm

Tgt Ion:252.1 Resp: 233437

Ion	Ratio	Lower	Upper
252	100		
250	23.5	20.5	30.8
125	14.6	18.1	27.2#
253	22.7	17.2	25.7

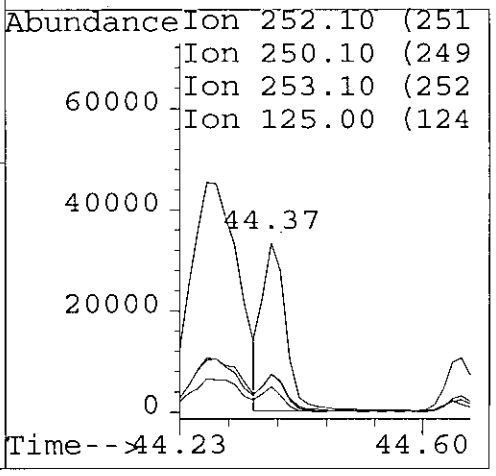


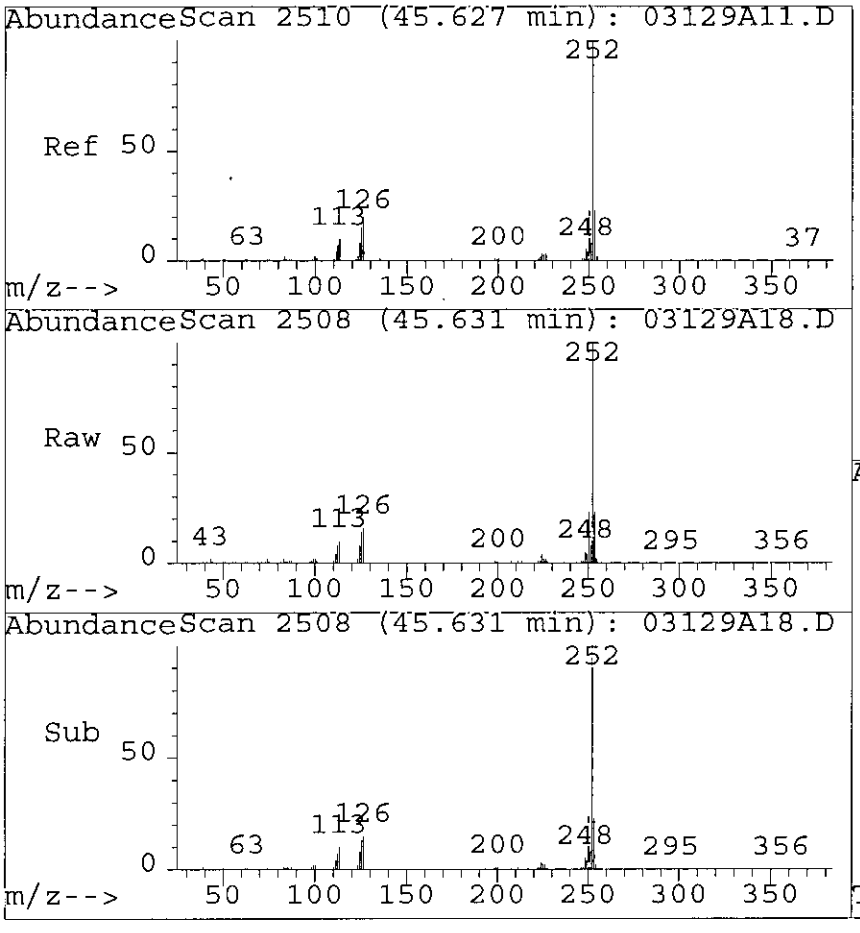


#95
BENZO(K)FLUORANTHENE
Concen: 24.78 ug/ml
RT: 44.37 min Scan# 2418
Delta R.T. -0.01 min
Lab File: 03129a18.d
Acq: 13 Mar 99 6:10 pm

Tgt Ion:252.1 Resp: 83771

Ion	Ratio	Lower	Upper
252	100		
250	22:3	18.5	27.7
253	22.6	17.2	25.7
125	15.0	18.2	27.3#

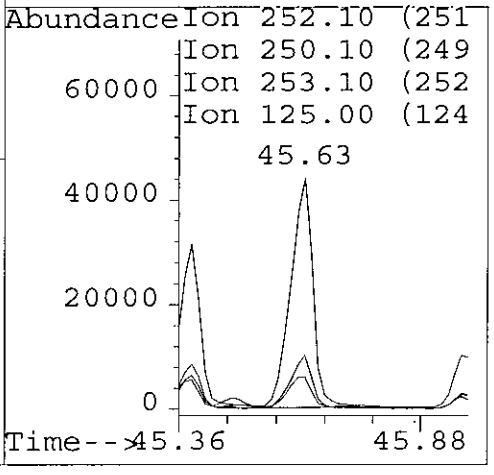


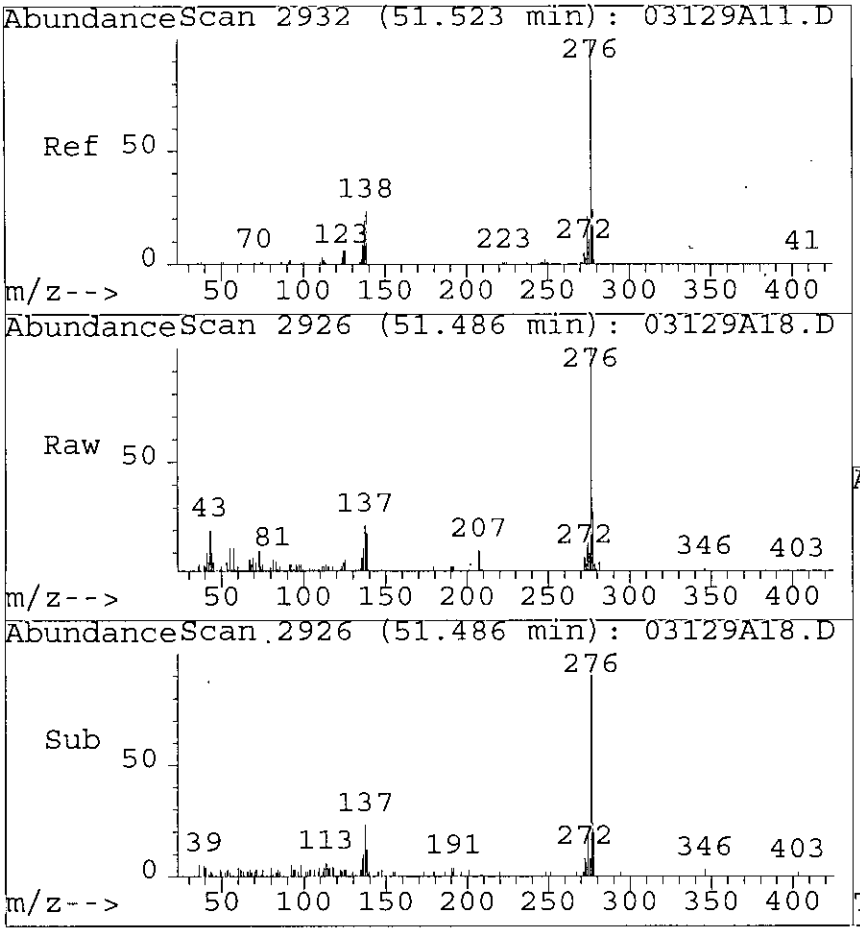


#96
BENZO(A)PYRENE
Concen: 47.68 ug/ml
RT: 45.63 min Scan# 2508
Delta R.T. 0.00 min
Lab File: 03129a18.d
Acq: 13 Mar 99 6:10 pm

Tgt Ion:252.1 Resp: 144506

Ion	Ratio	Lower	Upper
252	100		
250	23.5	18.7	28.0
253	23.3	15.9	23.8
125	13.9	19.6	29.3#

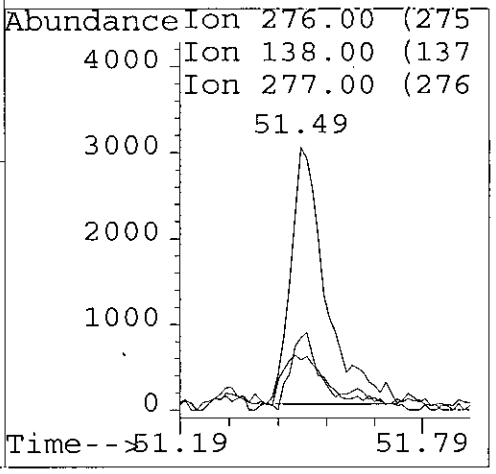


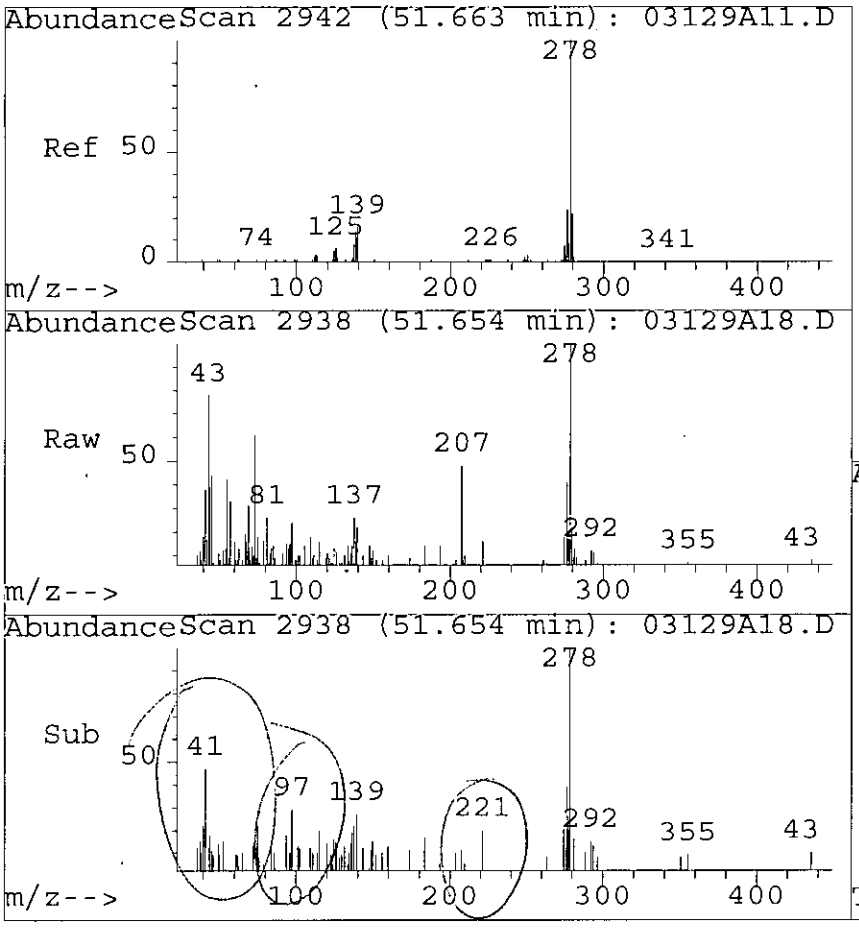


#97
INDENO(1,2,3-CD)PYRENE
Concen: 7.58 ug/ml
RT: 51.49 min Scan# 2926
Delta R.T. -0.04 min
Lab File: 03129a18.d
Acq: 13 Mar 99 6:10 pm

Tgt Ion:276 Resp: 18063

Ion	Ratio	Lower	Upper
276	100		
138	19.0	42.8	64.1#
277	27.5	20.0	29.9
0	0.0	0.0	0.0

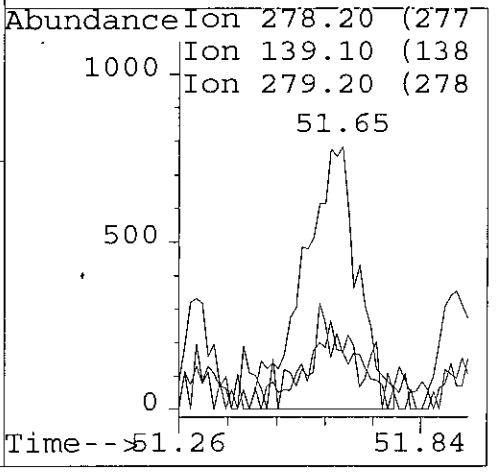


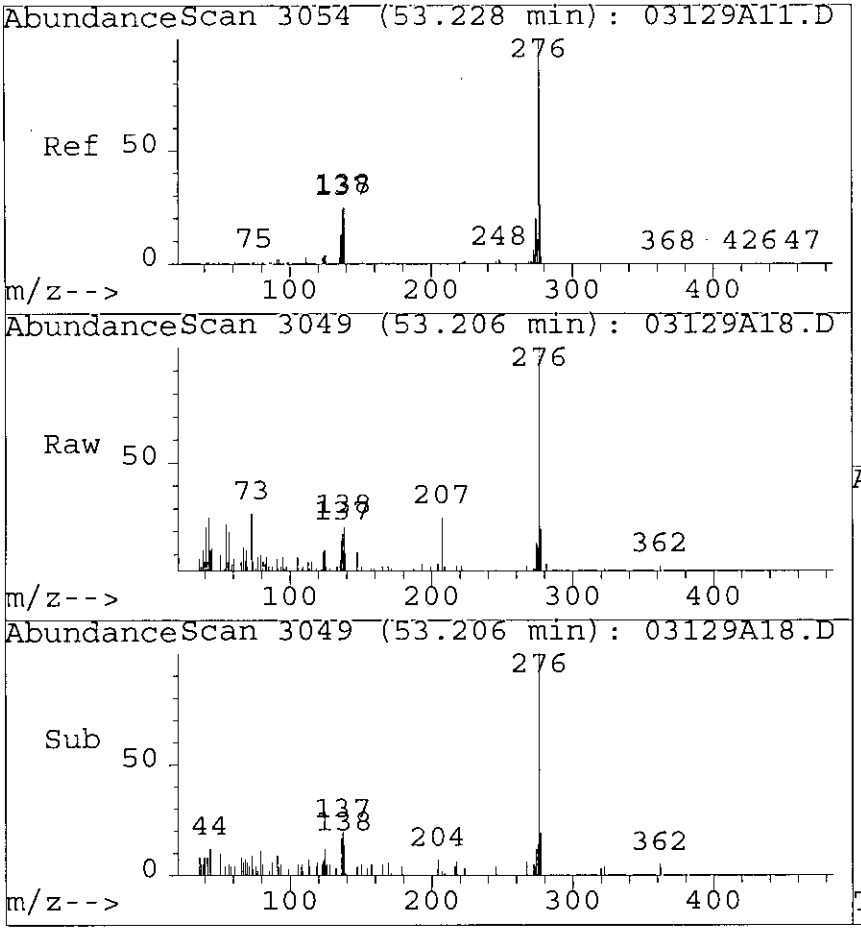


#98
DIBENZO(A,H)ANTHRACENE
Concen: 2.62 ug/ml
RT: 51.65 min Scan# 2938
Delta R.T. -0.01 min
Lab File: 03129a18.d
Acq: 13 Mar 99 6:10 pm

Tgt Ion:278.2 Resp: 7276

Ion	Ratio	Lower	Upper
278	100		
139	21.7	20.4	30.5
279	22.3	19.4	29.1
0	0.0	0.0	0.0

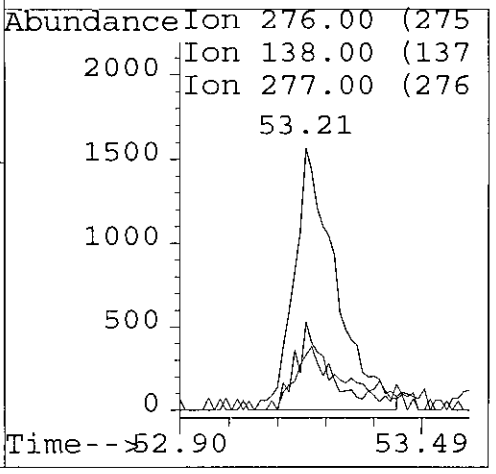




#99
BENZO(GHI)PERYLENE
Concen: 5.32 ug/ml
RT: 53.21 min Scan# 3049
Delta R.T. -0.02 min
Lab File: 03129a18.d
Acq: 13 Mar 99 6:10 pm

Tgt Ion:276 Resp: 11323

Ion	Ratio	Lower	Upper
276	100		
138	33.8	41.8	62.7#
277	21.2	24.6	36.9#
0	0.0	0.0	0.0



TIC: 03129A18.D

67836

Peak#	Ret Time	Type	Width	Area	Start Time	End Time
1	11.478	rBV	0.335	2160935	11.366	11.702
2	12.442	rBV	0.321	830382-S	12.386	12.708
3	15.041	rBV	0.126	221731-	14.972	15.098
4	15.293	rBV	0.251	972583-S	15.195	15.447
5	15.503	rVV	0.070	49907	15.475	15.545
6	15.629	rVV	0.308	1122285-S	15.545	15.852
7	16.272	rBV	0.168	274059-IS	16.216	16.384
8	16.775	rBV	0.154	428894-S	16.705	16.859
9	18.130	rBV	0.265	462868 -S	18.047	18.312
10	18.689	rVB	0.112	104412	18.633	18.745
11	20.421	rBV	0.252	352539-IS	20.337	20.589
12	22.222	rBV	0.154	54715	22.166	22.320
13	23.116	rBV	0.238	143129	23.060	23.298
14	24.108	rVB	0.252	637422 -S	24.052	24.304
15	26.371	rBV	0.140	343783-IS	26.301	26.441
16	26.483	rVB	0.112	59915-T	26.441	26.553
17	28.271	rVB	0.154	46211-T	28.215	28.368
18	29.109	rBV	0.308	785941-S	29.025	29.333
19	30.815	rBV	0.140	68669	30.759	30.899
20	31.109	rVB	0.140	38919	31.081	31.221
21	31.473	rVV	0.126	361396-IS	31.389	31.515
22	31.557	rVV	0.098	454575-T	31.515	31.613
23	31.725	rVV	0.168	157109-T	31.669	31.837
24	32.005	rVB	0.154	44430	31.963	32.117
25	32.229	rVV	0.140	50951	32.187	32.327
26	32.369	rVB	0.154	104195 -T	32.327	32.481
27	32.662	rVB	0.126	66999	32.635	32.760
28	32.803	rBV	0.084	46981	32.760	32.844
29	32.928	rVB	0.126	80596	32.859	32.984
30	33.194	rBV	0.112	87499	33.138	33.250
31	33.292	rVV	0.154	125836	33.250	33.404
32	33.460	rVV	0.098	156345	33.404	33.502
33	33.558	rVV	0.112	154284	33.502	33.614
34	33.642	rVB	0.084	50624	33.614	33.698
35	34.006	rBV	0.252	51465	33.852	34.104
36	34.230	rVB	0.098	48410	34.188	34.286
37	35.070	rBV	0.098	40048	35.028	35.126
38	35.280	rVB	0.070	57825	35.238	35.308
39	35.350	rBV	0.084	116610	35.308	35.392
40	35.644	rBV	0.210	922278-T	35.546	35.756
41	35.868	rBV	0.308	194766	35.756	36.064
42	36.134	rVV	0.154	88210	36.064	36.219
43	36.401	rVV	0.238	1012129-T	36.288	36.527
44	36.569	rVB	0.140	65675	36.527	36.667
45	36.821	rBV	0.098	77951	36.765	36.863
46	36.961	rVB	0.182	841290-S	36.891	37.073
47	37.171	rVB	0.196	125305	37.073	37.269
48	37.437	rBV	0.112	82881	37.367	37.479
49	37.536	rVB	0.141	232653	37.479	37.620
50	37.760	rBV	0.112	201981	37.704	37.816
51	37.872	rBV	0.098	147198	37.816	37.914
52	37.942	rVB	0.112	67798	37.914	38.027
53	38.181	rVB	0.112	66711	38.139	38.251
54	38.279	rBV	0.084	64697	38.251	38.335
55	38.910	rBV	0.098	60697	38.840	38.938

56	38.980	rVB	0.098	81938	38.938	39.037
57	39.177	rBV	0.112	62504	39.135	39.247
58	39.275	rVV	0.098	69327	39.247	39.345
59	39.626	rBV	0.140	125961	39.542	39.682
60	39.724	rBV	0.084	83195	39.682	39.766
61	39.794	rVV	0.056	59476	39.766	39.823
62	39.865	rVB	0.112	89818	39.836	39.949
63	40.005	rBV	0.098	56864	39.949	40.047
64	40.482	rBV	0.197	1024614 -IS/T	40.342	40.538
65	40.594	rVB	0.182	691018 -T	40.538	40.721
66	40.833	rVB	0.154	88970	40.777	40.931
67	41.099	rBV	0.112	40196	41.057	41.170
68	41.212	rVB	0.098	92315	41.170	41.268
69	41.352	rVB	0.098	71697	41.310	41.408
70	41.605	rVB	0.098	41427	41.562	41.661
71	41.703	rBV	0.084	38588	41.661	41.745
72	41.829	rVV	0.154	236596	41.745	41.899
73	41.955	rVB	0.084	49338	41.913	41.997
74	42.054	rBV	0.098	42714	41.997	42.095
75	42.166	rVB	0.112	99896	42.095	42.208
76	42.264	rBV	0.098	150416	42.208	42.306
77	42.348	rVB	0.112	81837	42.320	42.432
78	42.488	rVB	0.098	39867	42.447	42.545
79	42.587	rBV	0.070	42525	42.545	42.615
80	43.022	rBV	0.098	47371	42.966	43.064
81	43.288	rBV	0.127	37042	43.218	43.345
82	43.429	rVB	0.168	80820	43.372	43.541
83	43.723	rVB	0.224	135843	43.625	43.850
84	43.934	rBV	0.126	38030	43.850	43.976
85	44.032	rVV	0.182	145358	43.976	44.158
86	44.284	rVV	0.168	656224 -T	44.172	44.340
87	44.369	rVV	0.127	230244 -T	44.340	44.467
88	44.663	rVV	0.098	87450	44.607	44.705
89	44.761	rVB	0.140	144481	44.705	44.845
90	45.253	rVB	0.127	40230	45.182	45.309
91	45.393	rBV	0.140	265755	45.309	45.449
92	45.631	rVB	0.224	389295 -T	45.547	45.771
93	45.870 ✓	rBV	0.154	282494 -IS	45.771	45.926
94	45.968	rVV	0.140	84314	45.926	46.066
95	46.276	rVB	0.126	46333	46.234	46.360
96	47.104	rVB	0.140	142885	47.034	47.174
97	48.043	rVB	0.280	184739	47.903	48.183
98	51.388	rBV	0.182	82941	51.262	51.444
99	52.269	rBV	0.168	46286	52.199	52.367
100	52.633	rVB	0.182	61954	52.577	52.759

Library Search Compound Report

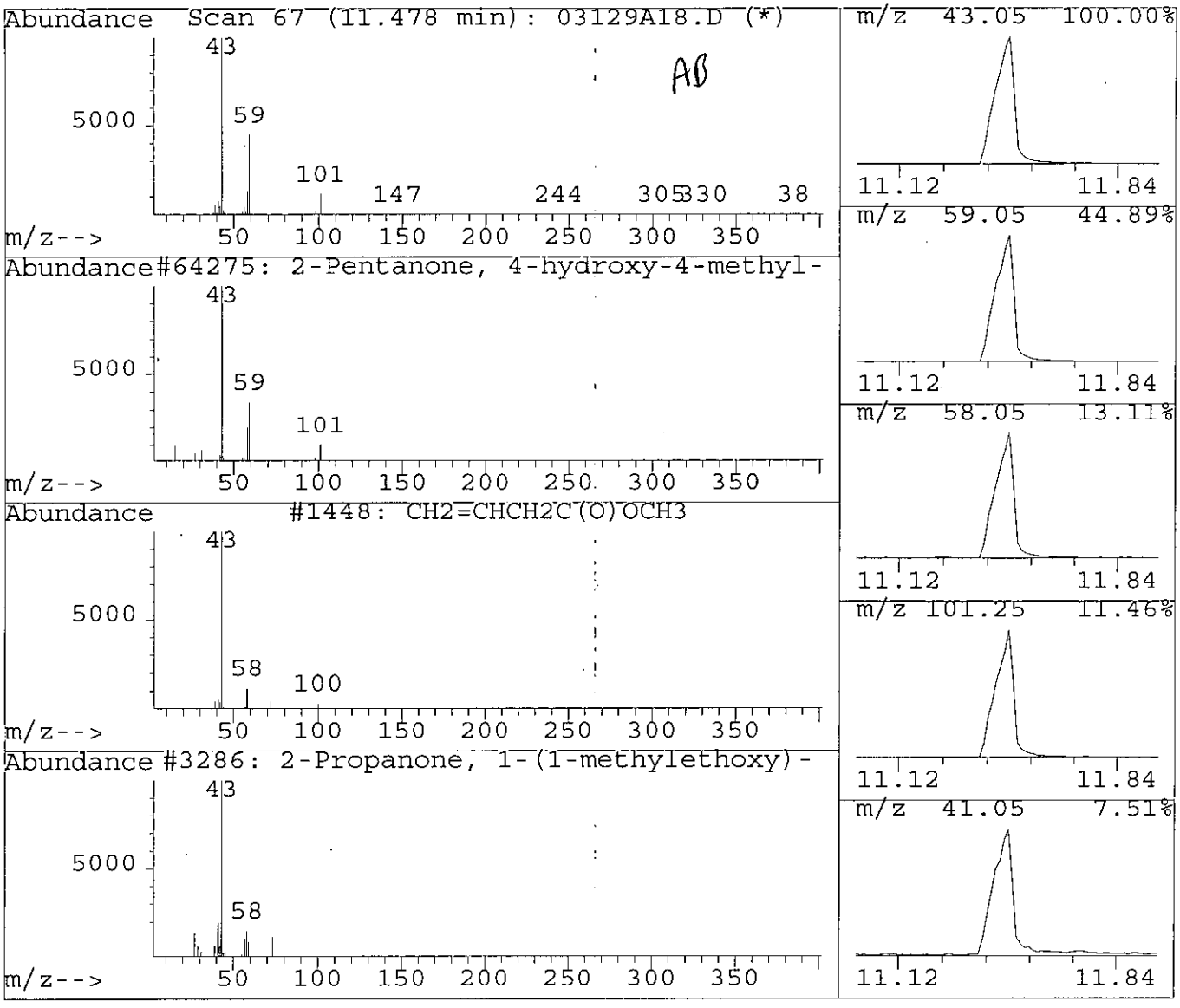
Data File : C:\HPCHEM\1\DATA\03129A18.D
Acq On : 13 Mar 99 6:10 pm
Sample : 67836
Misc : American Glue & Resin P#99187

Vial: 18
Operator: ESAT
Inst : 5988
Multiplr: 284.58

Method : C:\HPCHEM\1\METHODS\03129A02.M
Title : semivolatiles
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	R.T.
11.48	89754.43 ug/ml	2160935	1,4-DICHLOROBENZENE-D4	16.27

Hit# of 20	Tentative ID	Ref#	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	64275	000123-42-2	50
2	CH2=CHCH2C(O)OCH3	1448	003724-55-8	12
3	2-Propanone, 1-(1-methylethoxy)-	3286	042781-12-4	9
4	2,3-Butanedione, monooxime	1607	000057-71-6	7
5	Formamide, N,N-diethyl-	1629	000617-84-5	7



Library Search Compound Report

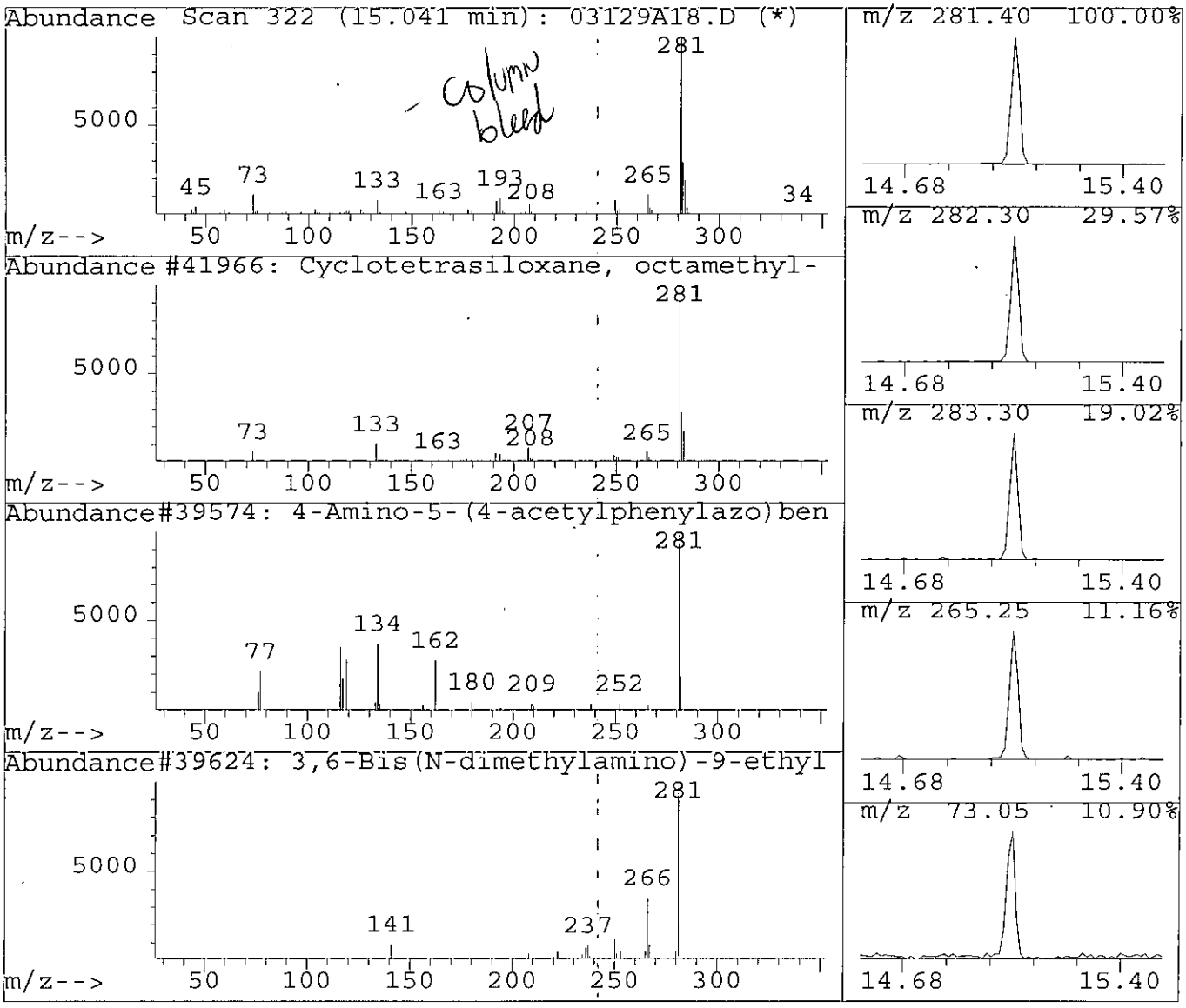
Data File : C:\HPCHEM\1\DATA\03129A18.D
Acq On : 13 Mar 99 6:10 pm
Sample : 67836
Misc : American Glue & Resin P#99187

Vial: 18
Operator: ESAT
Inst : 5988
Multiplr: 284.58

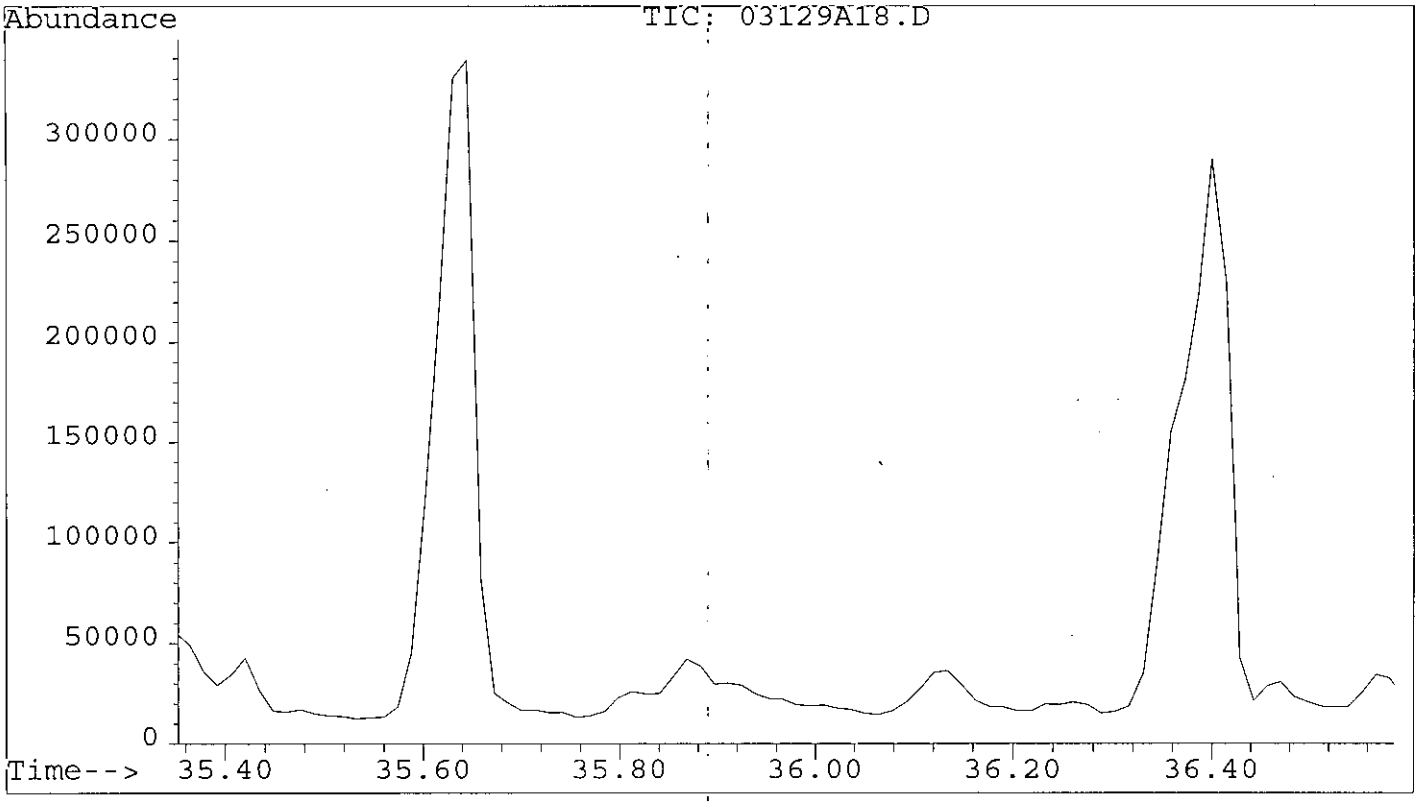
Method : C:\HPCHEM\1\METHODS\03129A02.M
Title : semivolatiles
Library : C:\DATABASE\NBS75K.L

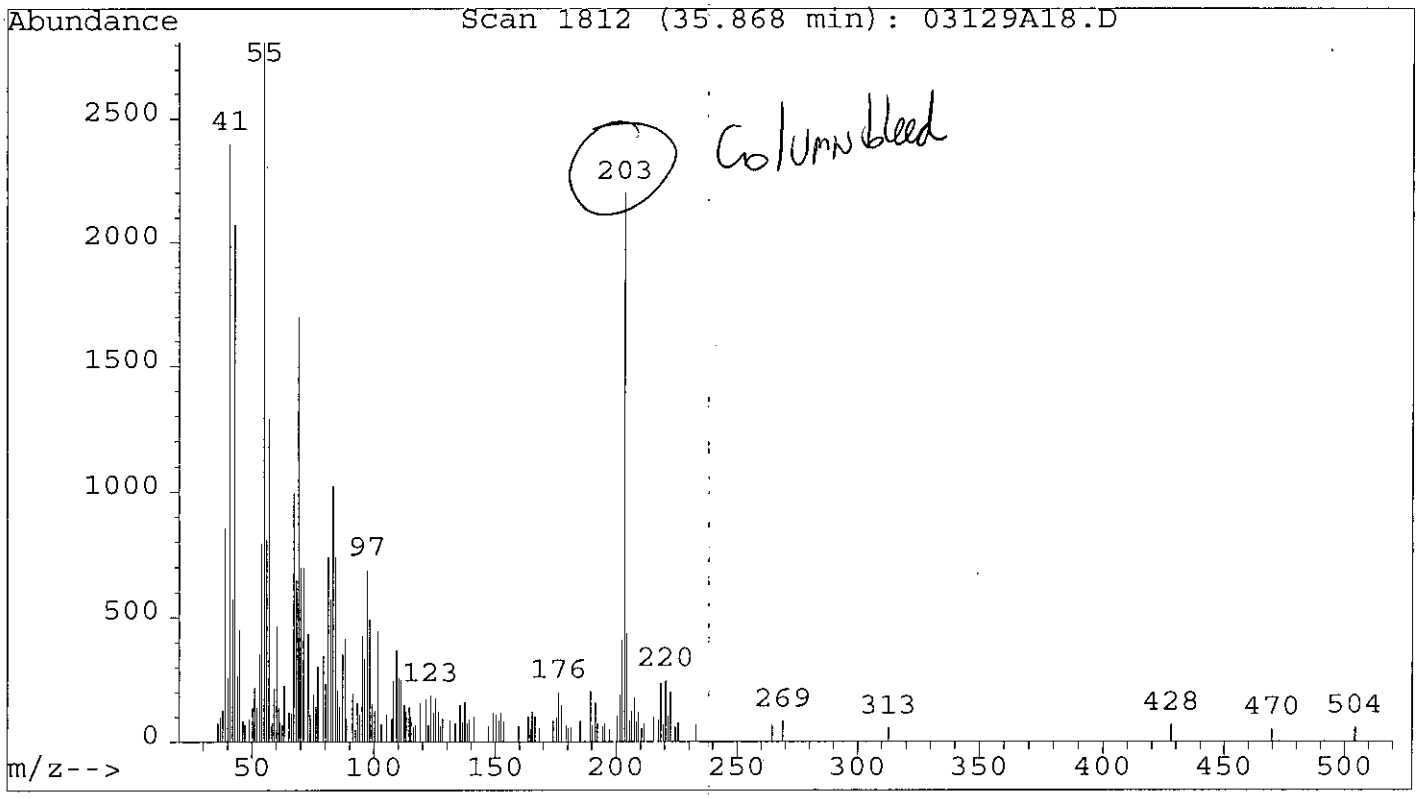
R.T.	Conc	Area	Relative to ISTD	R.T.
15.04	9209.60 ug/ml	221731	1,4-DICHLOROBENZENE-D4	16.27

Hit# of 20	Tentative ID	Ref#	CAS#	Qual
1	Cyclotetrasiloxane, octamethyl-	41966	000556-67-2	91
2	4-Amino-5-(4-acetylphenylazo)benzof	39574	000000-00-0	28
3	3,6-Bis(N-dimethylamino)-9-ethylcar	39624	057103-04-5	9
4	Benzene, 1-phenyl-4-(2-cyano-2-phen	39643	027869-56-3	9
5	14.alpha.-Morphinan, 7,8-didehydro-	39631	017939-34-3	5



File : E:\HPCHEM\1\DATA\03129A18.D
Operator : ESAT
Acquired : 13 Mar 99 6:10 pm using AcqMethod BNALAN
Instrument : 5988
Sample Name: 67836
Misc Info : American Glue & Resin P#99187
Vial Number: 18





Scan 1812 (35.868 min): 03129A18.D
67836

PBM Search of library C:\DATABASE\NBS75K.L

	Name	MolWt	Formula	Qual
1.	1H-Indole, 3-methyl-1-(trimethylsilyl)-	203	C12H17NSi	50
2.	9-Anthracenecarbonitrile	203	C15H9N	50
3.	Indeno(1,2,3-ij)isoquinoline	203	C15H9N	50
4.	9-Anthracenecarbonitrile	203	C15H9N	45
5.	Thebenidine	203	C15H9N	45
6.	9-Anthracenecarbonitrile	203	C15H9N	45
7.	9-Anthracenecarbonitrile	203	C15H9N	43
8.	Benzene, 1-isothiocyanato-3-(trifluorome	203	C8H4F3NS	43
9.	Oleic Acid	282	C18H34O2	25
10.	1-Hexadecene	224	C16H32	25
11.	3-Hexadecene, (Z)-	224	C16H32	25
12.	3-Hexadecene, (Z)-	224	C16H32	15
13.	7-Hexadecene, (Z)-	224	C16H32	15
14.	1-Tetradecene	196	C14H28	11
15.	1-Tetradecanol	214	C14H30O	11
16.	1-Tetradecene	196	C14H28	11
17.	1-Dodecene	168	C12H24	11
18.	1-Hexadecene	224	C16H32	11
19.	1-Pentadecene	210	C15H30	11
20.	1-Hexadecanol	242	C16H34O	11

	Prob	CAS#	Ref#	K	dK	Flag	%	Con	C_1	Tilt	R_IV	XCORR
1.	*50	055638-43-2	23569	64	62	2	63	46	25	0	64	8967
2.	*50	001210-12-4	69835	72	39	1	78	46	25	0	76	8967
3.	*50	000206-56-4	23614	74	42	1	65	46	25	0	74	8967
4.	*45	001210-12-4	69836	61	49	1	76	46	19	0	51	8967
5.	*45	000194-03-6	23615	59	60	1	60	46	19	0	51	8967
6.	*45	001210-12-4	69834	67	45	1	78	46	19	0	58	8967
7.	*43	001210-12-4	23612	66	47	1	65	46	18	0	44	8967
8.	*43	001840-19-3	23488	49	79	3	73	46	18	0	44	8967
9.	25	000112-80-1	72313	114	41	0	75	80	7	0	68	4093
10.	*25	000629-73-2	70724	65	58	0	41	80	7	0	64	4006
11.	*25	034303-81-6	28772	66	58	0	39	80	7	0	64	4004
12.	*15	034303-81-6	70719	61	65	0	38	80	2	0	56	4024
13.	*15	035507-09-6	28776	60	74	0	52	80	2	0	56	4008
14.	11	001120-36-1	21972	82	52	0	50	73	2	0	47	4080
15.	11	000112-72-1	26419	81	50	0	50	80	2	7	43	4043
16.	11	001120-36-1	69531	91	35	0	66	80	2	0	49	4066
17.	*11	000112-41-4	68112	64	47	1	65	73	2	0	50	4118
18.	*11	000629-73-2	70725	49	73	0	36	80	2	0	46	3982
19.	*11	013360-61-7	70190	50	63	0	39	80	2	0	46	3980
20.	11	036653-82-4	32424	103	42	0	68	80	2	10	45	3869

Library Search Compound Report

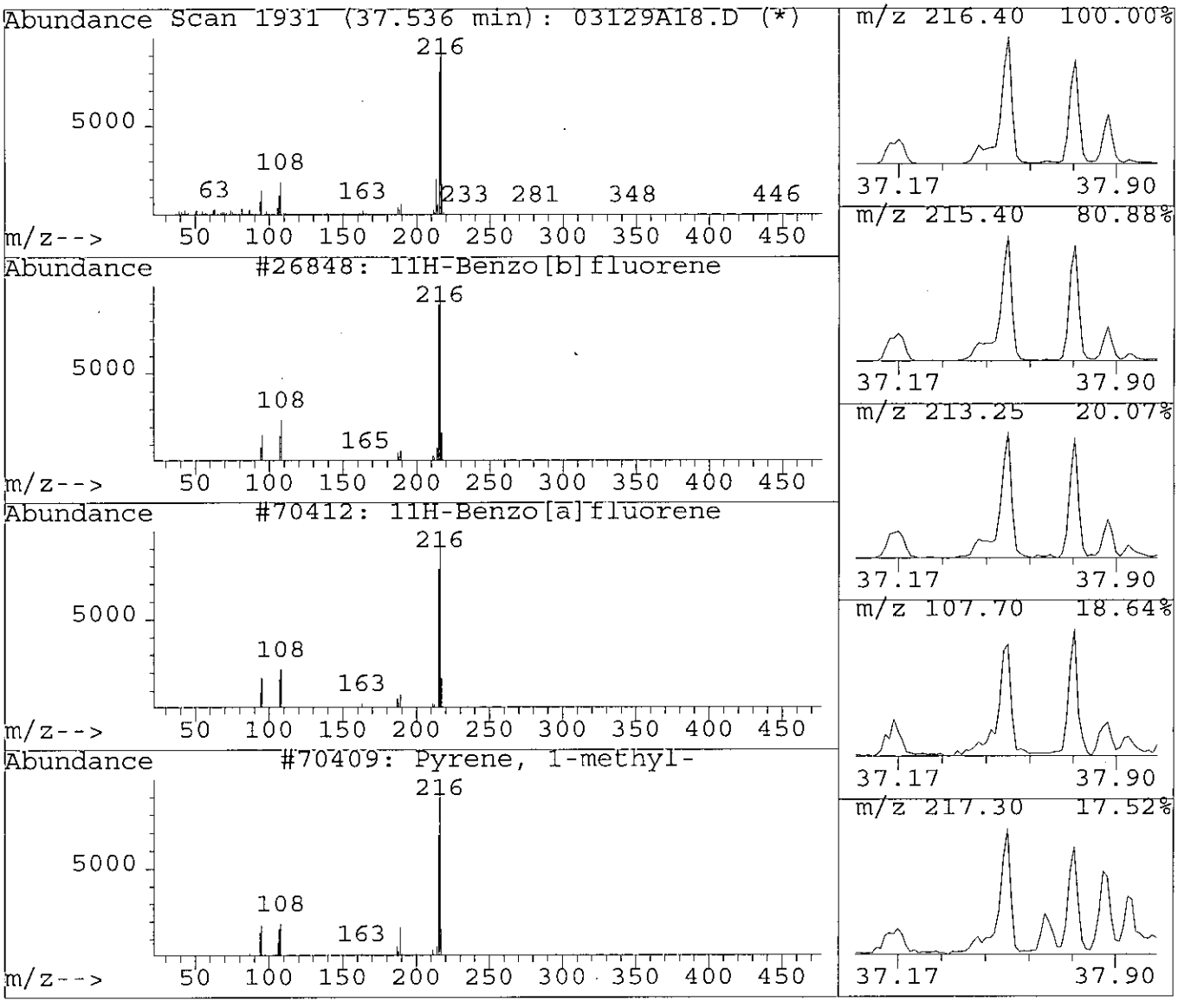
Data File : C:\HPCHEM\1\DATA\03129A18.D
Acq On : 13 Mar 99 6:10 pm
Sample : 67836
Misc : American Glue & Resin P#99187

Vial: 18
Operator: ESAT
Inst : 5988
Multiplr: 284.58

Method : C:\HPCHEM\1\METHODS\03129A02.M
Title : semivolatiles
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	R.T.
37.54 ✓	2600.20 ug/ml	232653 ✓	CHRYSENE-D12	40.51

Hit# of 20	Tentative ID	Ref#	CAS#	Qual
1	11H-Benzo[b]fluorene	26848	000243-17-4	96
2	11H-Benzo[a]fluorene	70412	000238-84-6	93
3	Pyrene, 1-methyl-	70409	002381-21-7	86
4	Pyrene, 2-methyl-	70408	003442-78-2	76
5	7H-Benzo[c]fluorene	26845	000205-12-9	70



Library Search Compound Report

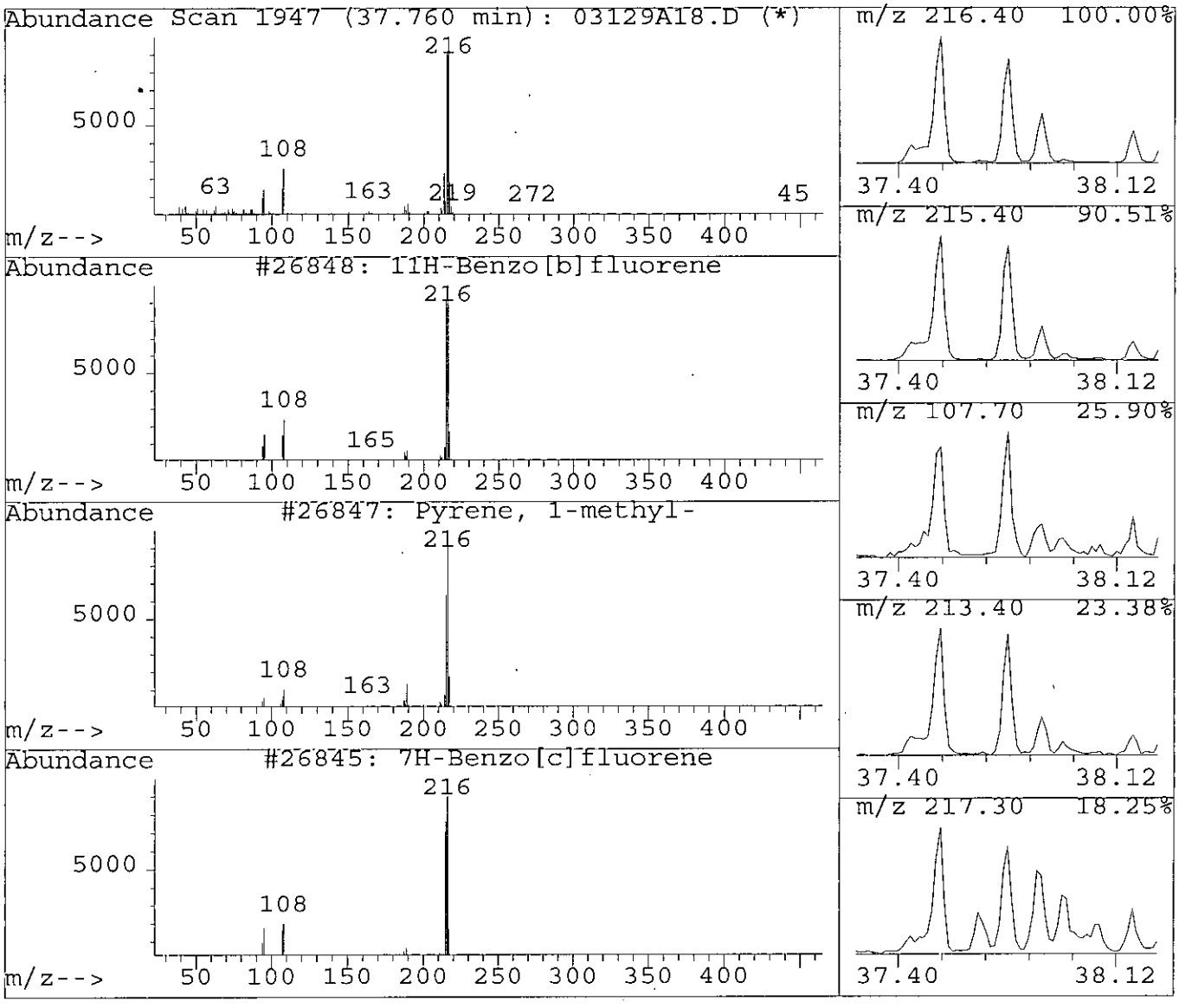
Data File : C:\HPCHEM\1\DATA\03129A18.D
Acq On : 13 Mar 99 6:10 pm
Sample : 67836
Misc : American Glue & Resin P#99187

Vial: 18
Operator: ESAT
Inst : 5988
Multiplr: 284.58

Method : C:\HPCHEM\1\METHODS\03129A02.M
Title : semivolatiles
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	R.T.
37.76	2257.40 ug/ml	201981	CHRYSENE-D12	40.51

Hit# of 20	Tentative ID	Ref#	CAS#	Qual
1	11H-Benzo[b]fluorene	26848	000243-17-4	97
2	Pyrene, 1-methyl-	26847	002381-21-7	93
3	7H-Benzo[c]fluorene	26845	000205-12-9	87
4	11H-Benzo[a]fluorene	70411	000238-84-6	76
5	Pyrene, 2-methyl-	70408	003442-78-2	52



Library Search Compound Report

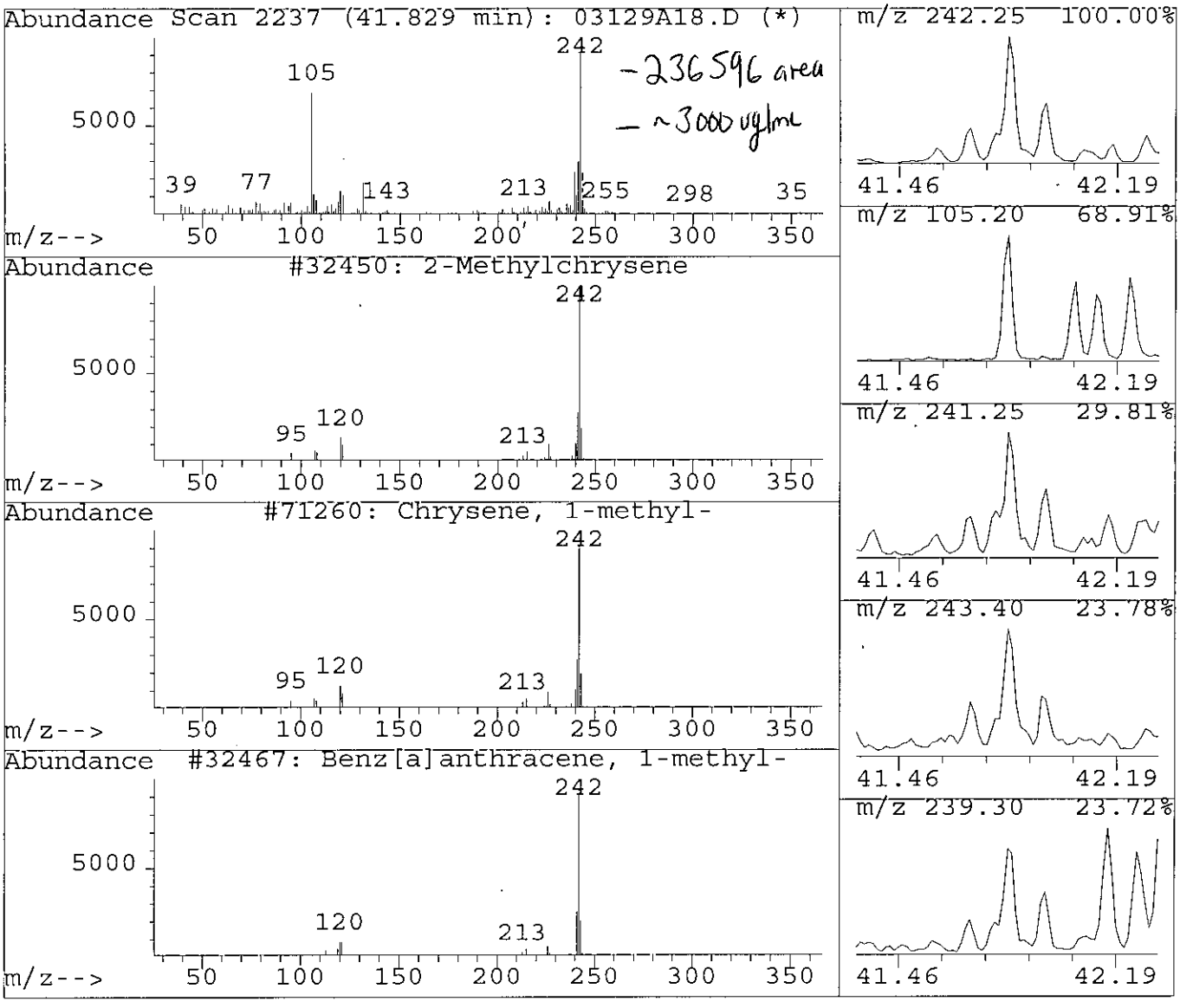
Data File : C:\HPCHEM\1\DATA\03129A18.D
Acq On : 13 Mar 99 6:10 pm
Sample : 67836
Misc : American Glue & Resin P#99187

Vial: 18
Operator: ESAT
Inst : 5988
Multiplr: 284.58

Method : C:\HPCHEM\1\METHODS\03129A02.M
Title : semivolatiles
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	R.T.
41.83	2634.54 ug/ml	235725	CHRYSENE-D12	40.51

Hit# of 20	Tentative ID	Ref#	CAS#	Qual
1	2-Methylchrysene	32450	003351-32-4	98
2	Chrysene, 1-methyl-	71260	003351-28-8	98
3	Benz[a]anthracene, 1-methyl-	32467	002498-77-3	97
4	Benz[a]anthracene, 8-methyl-	71257	002381-31-9	94
5	Triphenylene, 2-methyl-	32460	001705-84-6	94



Library Search Compound Report

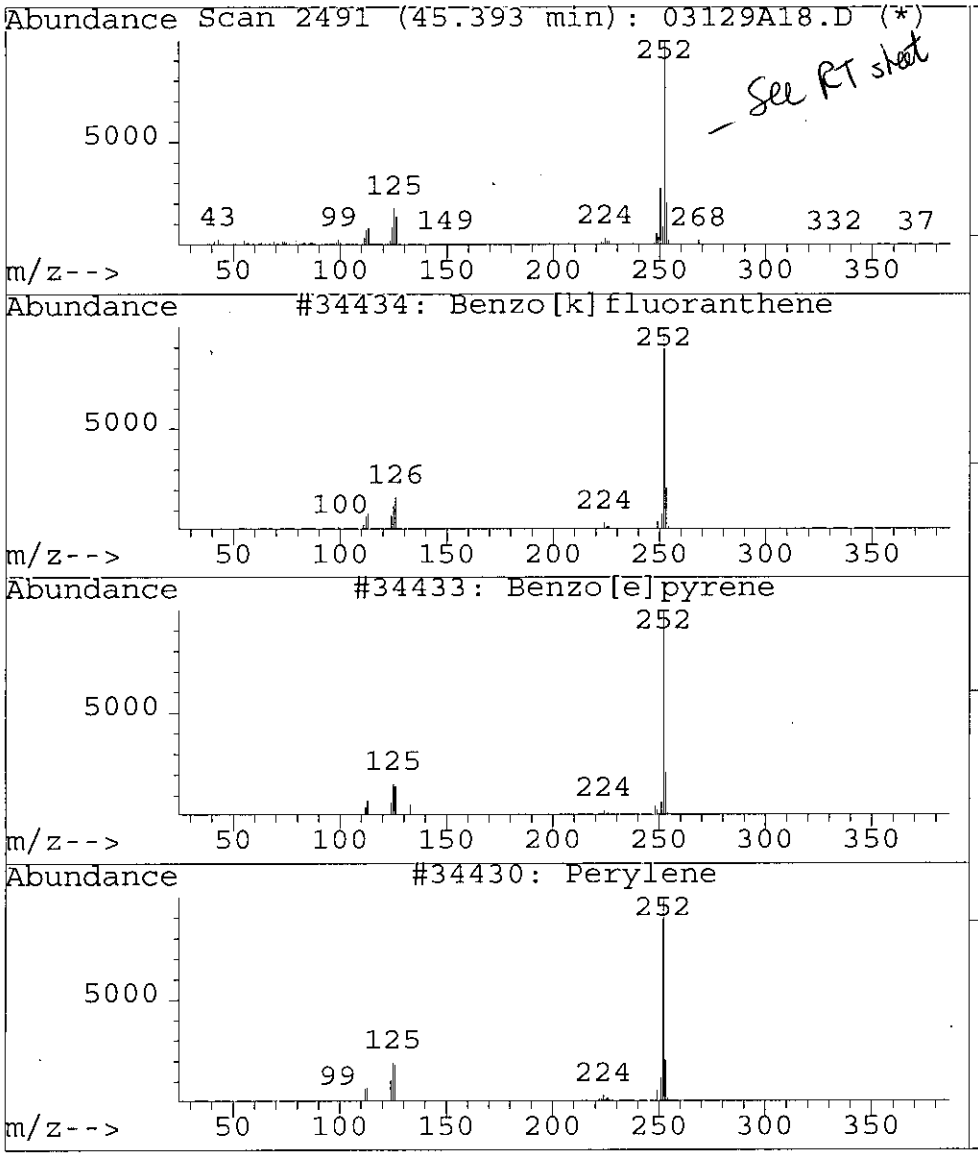
Data File : C:\HPCHEM\1\DATA\03129A18.D
Acq On : 13 Mar 99 6:10 pm
Sample : 67836
Misc : American Glue & Resin P#99187

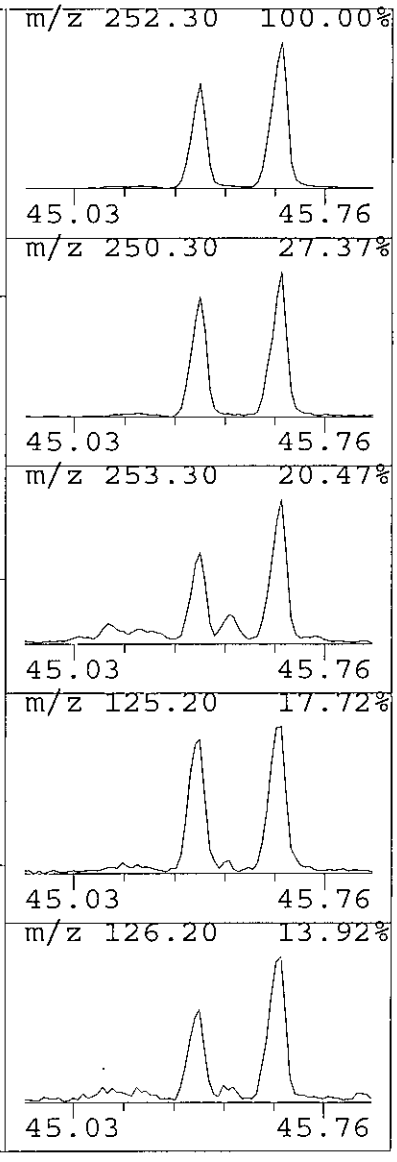
Vial: 18
Operator: ESAT
Inst : 5988
Multiplr: 284.58

Method : C:\HPCHEM\1\METHODS\03129A02.M
Title : semivolatiles
Library : C:\DATABASE\NBS75K.L

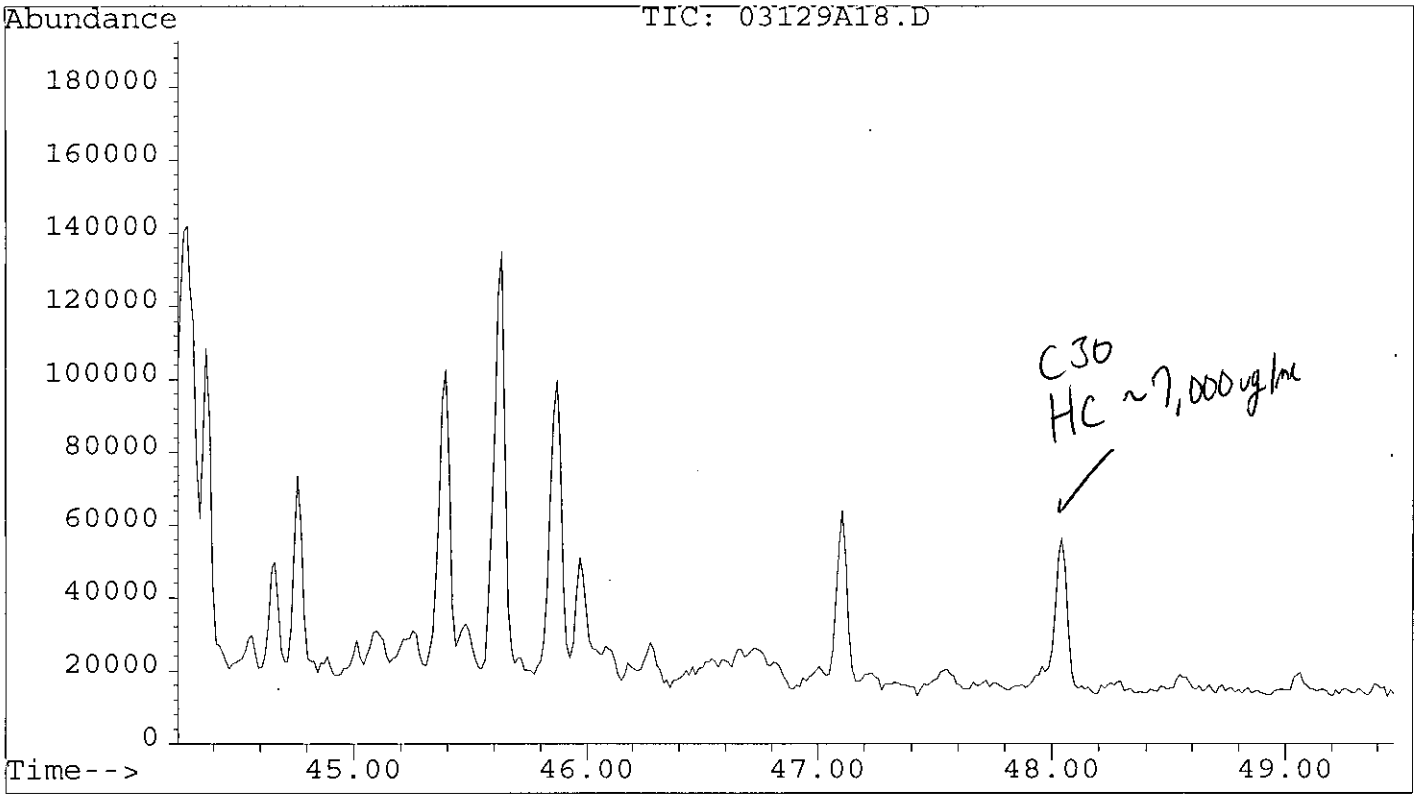
R.T.	Conc	Area	Relative to ISTD	R.T.
45.39✓	11458.88 ug/ml	265755✓	PERYLENE-D12	45.87

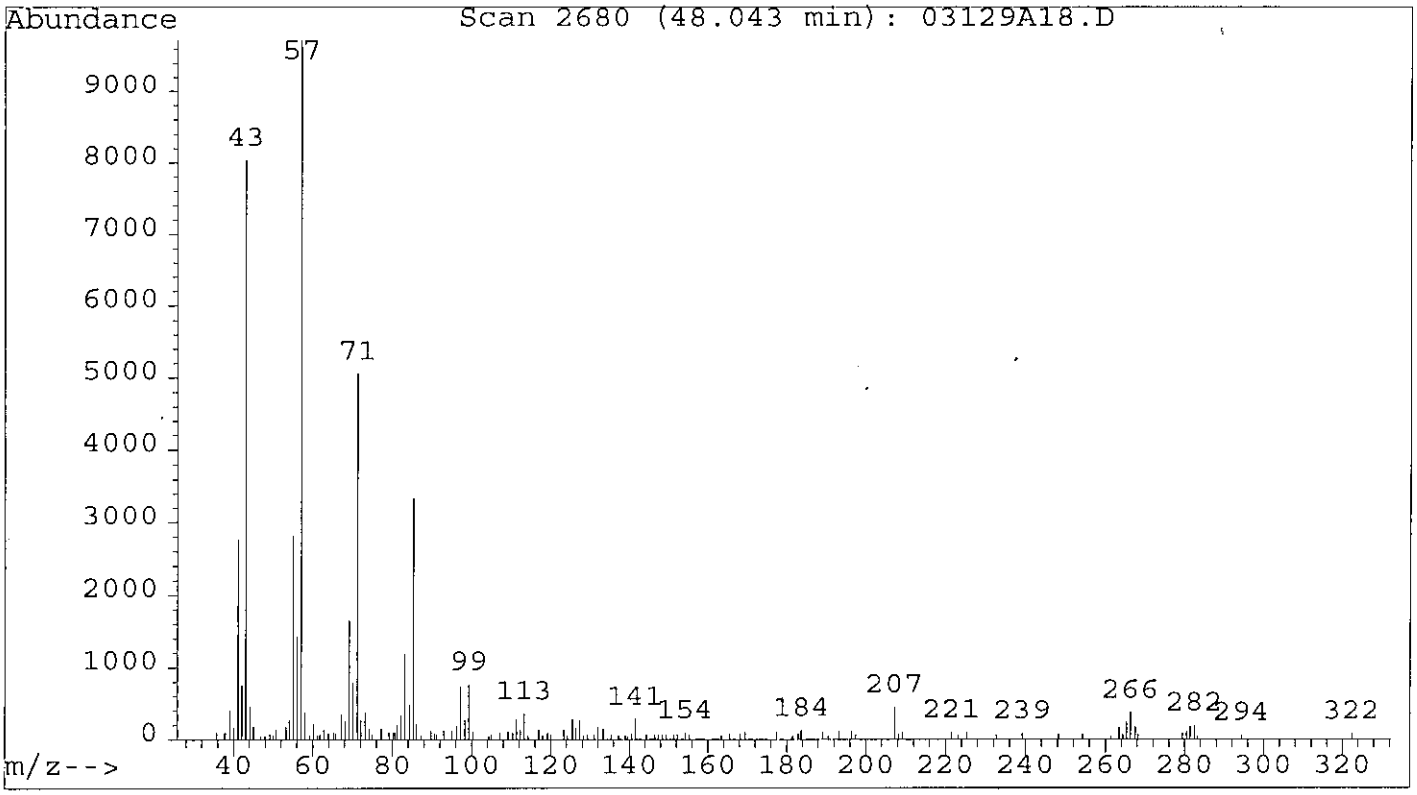
Hit# of 20	Tentative ID	Ref#	CAS#	Qual
1	Benzo[k]fluoranthene	34434	000207-08-9	98
2	Benzo[e]pyrene✓	34433	000192-97-2	94✓
3	Perylene	34430	000198-55-0	90
4	Benzo[a]pyrene	71508	000050-32-8	90
5	Thiophene, 2-(methylselenyl)-5-(pro	34181	031053-59-5	64





File : E:\HPCHEM\1\DATA\03129A18.D
Operator : ESAT
Acquired : 13 Mar 99 6:10 pm using AcqMethod BNALAN
Instrument : 5988
Sample Name: 67836
Misc Info : American Glue & Resin P#99187
Vial Number: 18





Scan 2680 (48.043 min): 03129A18.D
67836

PBM Search of library C:\DATABASE\NBS75K.L

	Name	MolWt	Formula	Qual
1.	Octadecane	254	C18H38	93
2.	Eicosane	282	C20H42	90
3.	Eicosane	282	C20H42	90
4.	Octadecane	254	C18H38	90
5.	Eicosane	282	C20H42	81
6.	Tridecane	184	C13H28	81
7.	Hexadecane	226	C16H34	74
8.	Heptadecane	240	C17H36	72
9.	Hexacosane	366	C26H54	72
10.	Pentadecane	212	C15H32	72
11.	Eicosane, 10-methyl-	296	C21H44	72
12.	Tetradecane	198	C14H30	72
13.	Hexadecane	226	C16H34	72
14.	Tridecane	184	C13H28	70
15.	Heptadecane, 8-methyl-	254	C18H38	70
16.	Dodecane, 2-methyl-	184	C13H28	62
17.	Undecane, 4,8-dimethyl-	184	C13H28	62
18.	Eicosane	282	C20H42	58
19.	Pentacosane	352	C25H52	58
20.	Nonane	128	C9H20	53

	Prob	CAS#	Ref#	K	dK	Flag	%	Con	C_1	Tilt	R_IV	XCORR
1.	*93	000593-45-3	71559	86	33	1	60	30	68	0	94	9966
2.	*90	000112-95-8	72326	103	24	1	75	17	59	51	92	9973
3.	*90	000112-95-8	72323	98	26	1	89	17	59	38	89	9985
4.	*90	000593-45-3	71561	91	26	0	68	20	59	48	83	9817
5.	*81	000112-95-8	72325	82	34	0	77	17	49	28	74	9871
6.	*81	000629-50-5	69019	74	31	1	82	20	49	0	74	9973
7.	74	000544-76-3	70789	94	13	0	91	20	44	0	51	9965
8.	72	000629-78-7	71191	80	30	1	87	20	42	0	47	9972
9.	72	000630-01-3	73942	87	50	1	74	20	42	0	47	9961
10.	72	000629-62-9	70274	86	19	0	87	20	42	0	47	9982
11.	72	054833-23-7	42197	98	18	0	69	20	42	8	49	9955
12.	72	000629-59-4	69657	79	24	0	91	20	42	0	47	9966
13.	72	000544-76-3	70787	88	29	1	75	20	42	0	49	9951
14.	*70	000629-50-5	69020	72	31	0	76	30	41	0	76	9953
15.	*70	013287-23-5	34816	67	47	1	45	30	41	0	64	9636
16.	*62	001560-97-0	69030	58	55	2	68	30	36	0	51	9972
17.	*62	017301-33-6	69027	61	49	2	82	30	36	0	56	9381
18.	58	000112-95-8	72324	80	46	1	62	30	32	0	47	9971
19.	58	000629-99-2	49559	87	50	1	62	30	32	0	47	9963
20.	*53	000111-84-2	65145	66	26	1	74	40	28	14	51	9688

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

S67833D

Lab EPA REG 1 Contract:

Proj 99187 Site: AMERICAN Location: Group:

Matrix: (soil/wat SOIL Lab Sample ID: S67833D

Wet Sample wt/vol: 5.1 (g/mL) G Lab File ID: 03129A15.D

Dry: 4.2g Date Collected 3/2/99

Level: (low/m MED Date Received: 3/3/99

% 17 decanted: (Y/N): Y Date Extracted: 3/9/99

Concentrated Extract Volume 1000 (uL) Date Analyzed: 3/13/99

Injection Volume 1.0 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y N pH: 0 Report Factor: 7.1

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
62-53-3	ANILINE	24000	UD
108-95-2	PHENOL	24000	UD
111-44-4	BIS(2-CHLOROETHYL) ETHER	24000	UD
95-57-8	2-CHLOROPHENOL	24000	UD
541-73-1	1,3-DICHLOROBENZENE	24000	UD
106-46-7	1,4-DICHLOROBENZENE	24000	UD
100-51-6	BENZYL ALCOHOL	24000	UD
95-50-1	1,2-DICHLOROBENZENE	24000	UD
95-48-7	2-METHYLPHENOL	24000	UD
108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	24000	UD
106-44-5	4-METHYLPHENOL	24000	UD
621-64-7	N-NITROSODIPROPYLAMINE	24000	UD
67-72-1	HEXACHLOROETHANE	24000	UD
98-95-3	NITROBENZENE	24000	UD
78-59-1	ISOPHORONE	24000	UD
88-75-5	2-NITROPHENOL	24000	UD
105-67-9	2,4-DIMETHYLPHENOL	24000	UD
111-91-1	BIS(2-CHLOROETHOXY)METHANE	24000	UD
65-85-0	BENZOIC ACID	24000	UD
120-83-2	2,4-DICHLOROPHENOL	24000	UD
120-82-1	1,2,4-TRICHLOROBENZENE	24000	UD
91-20-3	NAPHTHALENE	24000	UD
106-47-8	4-CHLOROANILINE	24000	UD
87-68-3	HEXACHLOROBUTADIENE	24000	UD
59-50-7	4-CHLORO-3-METHYLPHENOL	24000	UD
91-57-6	2-METHYLNAPHTHALENE	24000	UD
77-47-4	HEXACHLOROCYCLOPENTADIENE	24000	UD
88-06-2	2,4,6-TRICHLOROPHENOL	24000	UD
95-95-4	2,4,5-TRICHLOROPHENOL	24000	UD
91-58-7	2-CHLORONAPHTHALENE	24000	UD
88-74-4	2-NITROANILINE	24000	UD
131-11-3	DIMETHYLPHTHALATE	24000	UD
208-96-8	ACENAPHTHYLENE	24000	UD

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

S67833D

Lab EPA REG 1 Contract:

Proj 99187 Site: AMERICAN Location: Group:

Matrix: (soil/wat SOIL Lab Sample ID: S67833D

Sample wt/vol: 5.1 (g/mL) G Lab File ID: 03129A15.D

Level: (low/m MED Date Received: 3/3/99

% 17 decanted: (Y/N): Y Date Extracted: 3/9/99

Concentrated Extract Volume 1000 (uL) Date Analyzed: 3/13/99

Injection Volume 1.0 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y N pH: 0

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
606-20-2	2,6-DINITROTOLUENE	24000	UD
99-09-2	3-NITROANILINE	24000	UD
83-32-9	ACENAPHTHENE	24000	UD
51-28-5	2,4-DINITROPHENOL	24000	UD
132-64-9	DIBENZOFURAN	24000	UD
100-02-7	4-NITROPHENOL	24000	UD
121-14-2	2,4-DINITROTOLUENE	24000	UD
84-66-2	DIETHYLPHTHALATE	24000	UD
86-73-7	FLUORENE	24000	UD
7005-72-3	4-CHLOROPHENYL-PHENYLETHER	24000	UD
100-01-6	4-NITROANILINE	24000	UD
534-52-1	4,6-DINITRO-2-METHYLPHENOL	24000	UD
86-30-6	N-NITROSODIPHENYLAMINE	24000	UD
103-33-3	DIPHENYLHYDRAZINE(AZOBENZENE)	24000	UD
101-55-3	4-BROMOPHENYL-PHENYLETHER	24000	UD
319-84-6	BHC ISOMER (ALPHA)	24000	UD
118-74-1	HEXACHLOROBENZENE	24000	UD
319-85-7	BHC ISOMER (BETA)	24000	UD
87-86-5	PENTACHLOROPHENOL	24000	UD
58-89-9	LINDANE-BHC ISOMER (GAMA)	24000	UD
85-01-8	PHENANTHRENE	24000	UD
120-12-7	ANTHRACENE	24000	UD
319-86-8	BHC ISOMER (DELTA)	24000	UD
86-74-8	CARBAZOLE	24000	UD
76-44-8	HEPTACHLOR	24000	UD
84-74-2	DIBUTYLPHTHALATE	24000	UD
309-00-2	ALDRIN	24000	UD
1024-57-3	HEPTACHLOR EPOXIDE	24000	UD
206-44-0	FLUORANTHENE	24000	UD
129-00-0	PYRENE	24000	UD
959-98-8	ENDOSULFAN I	24000	UD
72-55-9	P,P-DDE	24000	UD
60-57-1	DIELDRIN	24000	UD

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

S67833D

Lab EPA REG 1 Contract:

Proj 99187 Site: AMERICAN Location: Group:

Matrix: (soil/wat SOIL Lab Sample ID: S67833D

Sample wt/vol: 5.1 (g/mL) G Lab File ID: 03129A15.D

Level: (low/m MED Date Received: 3/3/99

% 17 decanted: (Y/N): Y Date Extracted: 3/9/99

Concentrated Extract Volume 1000 (uL) Date Analyzed: 3/13/99

Injection Volume 1.0 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y N pH: 0

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
72-20-8	ENDRIN	24000	UD
33213-65-9	ENDOSULFAN II	24000	UD
72-54-8	P,P-DDD	24000	UD
85-68-7	BUTYLBENZYLPHTHALATE	24000	UD
50-29-3	P,P-DDT	24000	UD
1031-07-8	ENDOSULFAN SULFATE	24000	UD
72-43-5	METHOXYCHLOR	24000	UD
53494-70-5	ENDRIN KETONE	24000	UD
91-94-1	3,3-DICHCHLOROBENZIDINE	24000	UD
56-55-3	BENZ(A)ANTHRACENE	24000	UD
218-01-9	CHRYSENE	24000	UD
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	24000	UD
117-84-0	DI-N-OCTYLPHTHALATE	24000	UD
205-99-2	BENZO(B)FLUORANTHENE	24000	UD
207-08-9	BENZO(K)FLUORANTHENE	24000	UD
50-32-8	BENZO(A)PYRENE	24000	UD
193-39-5	INDENO(1,2,3-CD)PYRENE	24000	UD
53-70-3	DIBENZO(A,H)ANTHRACENE	24000	UD
191-24-2	BENZO(GHI)PERYLENE	24000	UD

QUANTITATION SHEET

SAMPLE NUMBER 67833

Tentatively Identified Compounds

SCAN NO.	COMPOUND	PROB. MATCH	CONC (ug/ml)	EST. C. (ug/kg)	CAS NO.	CHEM. FORM.
63	4-hydroxy-4-methyl-2-Pentanone	50	—	~500,000 AB	123-42-2	

~ = Approximate
< = Less than
> = Greater than
NA = Not available due to dilution or interference
E = Estimated value that exceeds the calibration range
L = Estimated value that is below the calibration range
B = Analyte associated with the lab, trip blank. Reported values are 5X higher than blank. Phthalates must be 10X.

Quantitation Report

Data File : C:\HPCHEM\1\DATA\03129A15.D
Acq On : 13 Mar 99 2:46 pm
Sample : 67833(1:10)
Misc : American Glue & Resin P#99187
Quant Time: Mar 14 9:16 1999

Vial: 15
Operator: ESAT
Inst : 5988
Multiplr: 2363.51

Method : C:\HPCHEM\1\METHODS\03129A02.M
Title : semivolatiles
Last Update : Sat Mar 13 11:22:04 1999
Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DICHLOROBENZENE-D4	16.28	150	51562	40.00	ug/ml	0.00
19) NAPHTHALENE-D8	20.43	136	120969	40.00	ug/ml	0.00
34) ACENAPHTHENE-D10	26.38	164	60157	40.00	ug/ml	-0.01
54) PHENANTHRENE-D10	31.47	188	110633	40.00	ug/ml	-0.02
74) CHRYSENE-D12	40.49	240	110084	40.00	ug/ml	-0.02
92) PERYLENE-D12	45.85	264	88245	40.00	ug/ml	-0.02
System Monitoring Compounds						**%Recovery**
2) FLUOROPHENOL	12.50	112	15192	15.65	ug/ml	7.83%
4) PHENOL-D5	15.39	99	15918	10.96	ug/ml	5.48%
5) 2-CHLOROPHENOL-D4	15.67	132	16984	16.10	ug/ml	8.05%
12) 1,2-DICHLOROBENZENE-D4	16.77	150	9907	8.07	ug/ml	8.07%
20) NITROBENZENE-D5	18.18	82	6993	4.02	ug/ml	4.02%
38) FLUOROBIPHENYL	24.13	172	15736	7.91	ug/ml	7.91%
58) 2,4,6-TRIBROMOPHENOL	29.18	330	5740	12.62	ug/ml	6.31%
78) P-TERPHENYL-D14	36.96	244	22766	8.38	ug/ml	8.38%
Target Compounds						**Qvalue**

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

Quantitation Report

Data File : c:\hpchem\1\data\03129a15.d
Acq On : 13 Mar 99 2:46 pm
Sample : 67833(1:10)
Misc : American Glue & Resin P#99187
Quant Time: Mar 14 9:16 1999

Vial: 15
Operator: ESAT
Inst : 5988
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\03129A02.M
Title : semivolatiles
Last Update : Sat Mar 13 11:22:04 1999
Response via : Single Level Calibration

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19) NAPHTHALENE-D8	20.43	136	120969	40.00	ug/ml	0.00
34) ACENAPHTHENE-D10	26.38	164	60157	40.00	ug/ml	-0.01
54) PHENANTHRENE-D10	31.47	188	110633	40.00	ug/ml	-0.02
74) CHRYSENE-D12	40.49	240	110084	40.00	ug/ml	-0.02
92) PERYLENE-D12	45.85	264	88245	40.00	ug/ml	-0.02
System Monitoring Compounds						%Recovery
2) FLUOROPHENOL	12.50	112	15192	15.65	ug/ml	7.83%
4) PHENOL-D5	15.39	99	15918	10.96	ug/ml	5.48%
5) 2-CHLOROPHENOL-D4	15.67	132	16984	16.10	ug/ml	8.05%
12) 1,2-DICHLOROBENZENE-D4	16.77	150	9907	8.07	ug/ml	8.07%
20) NITROBENZENE-D5	18.18	82	6993	4.02	ug/ml	4.02%
38) FLUOROBIPHENYL	24.13	172	15736	7.91	ug/ml	7.91%
58) 2,4,6-TRIBROMOPHENOL	29.18	330	5740	12.62	ug/ml	6.31%
78) P-TERPHENYL-D14	36.96	244	22766	8.38	ug/ml	8.38%
Target Compounds						Qvalue

Wet WT = 5.110
Dry WT = 4.231
%moist = 17.2
1ml FV
1:10 Dil
mult = 2363.507445

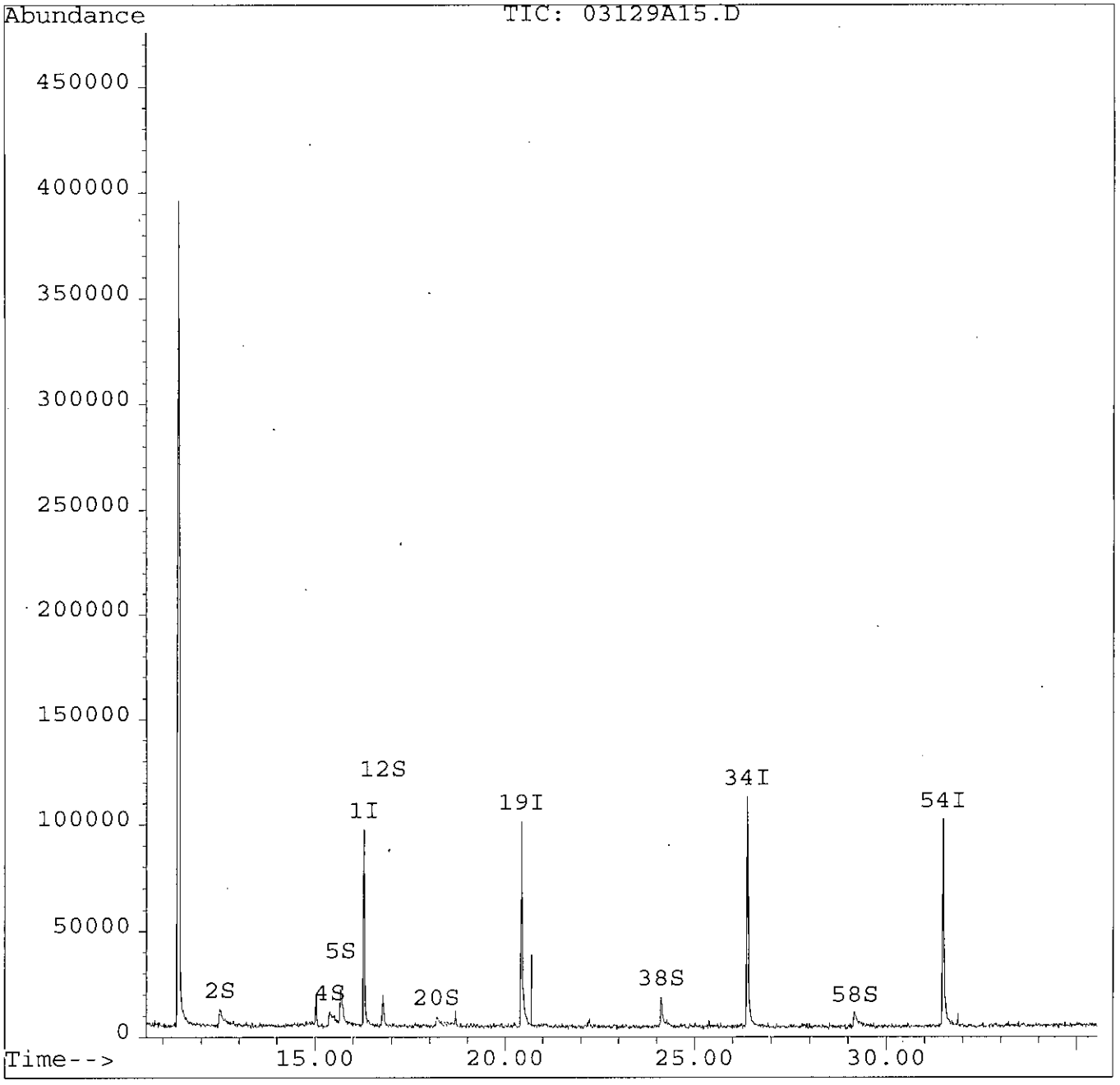
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : c:\hpchem\1\data\03129a15.d
Acq On : 13 Mar 99 2:46 pm
Sample : 67833(1:10)
Misc : American Glue & Resin P#99187
Quant Time: Mar 14 9:16 1999

Vial: 15
Operator: ESAT
Inst : 5988
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\03129A02.M
Title : semivolatiles
Last Update : Sat Mar 13 11:22:04 1999
Response via : Single Level Calibration

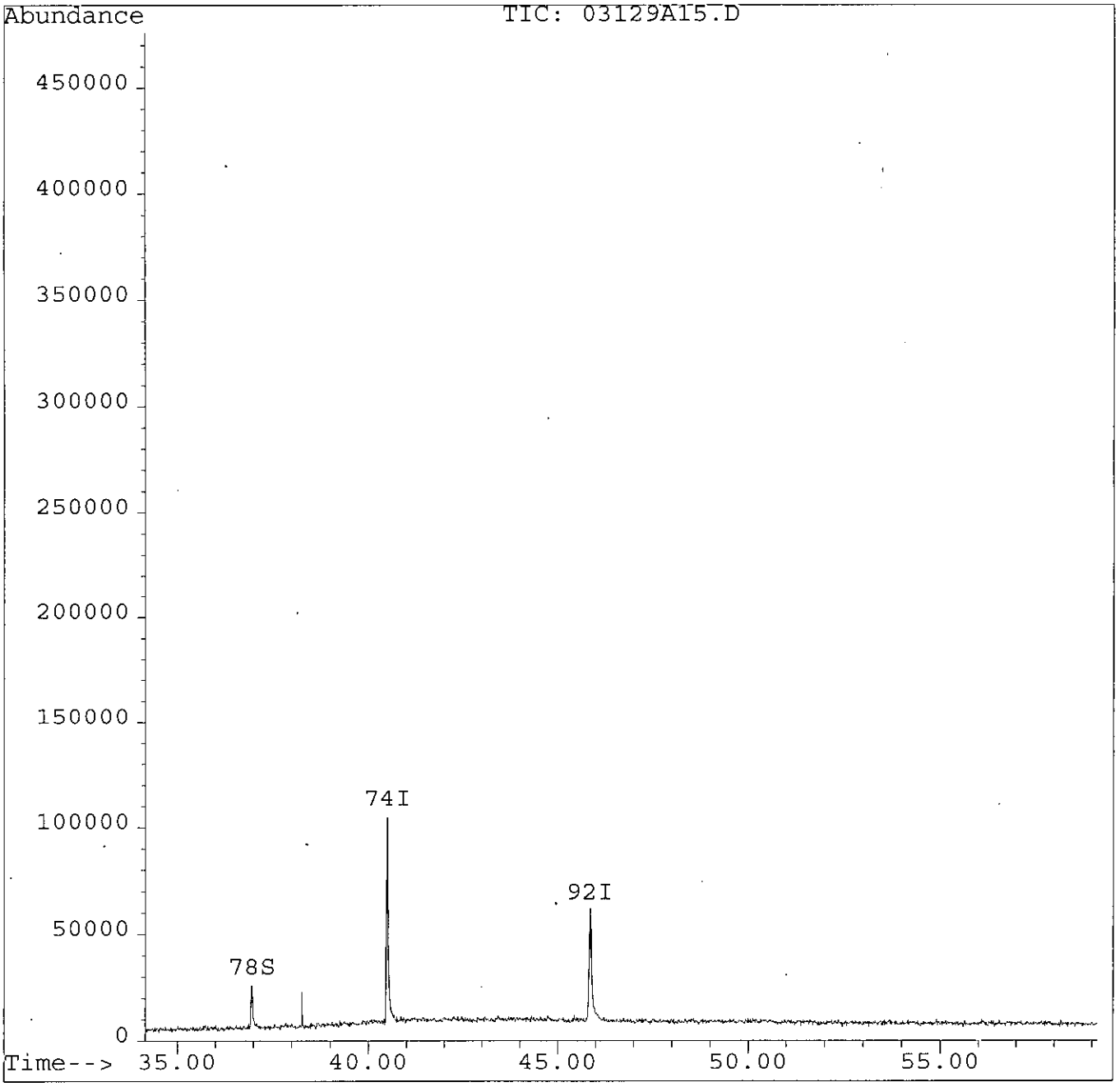


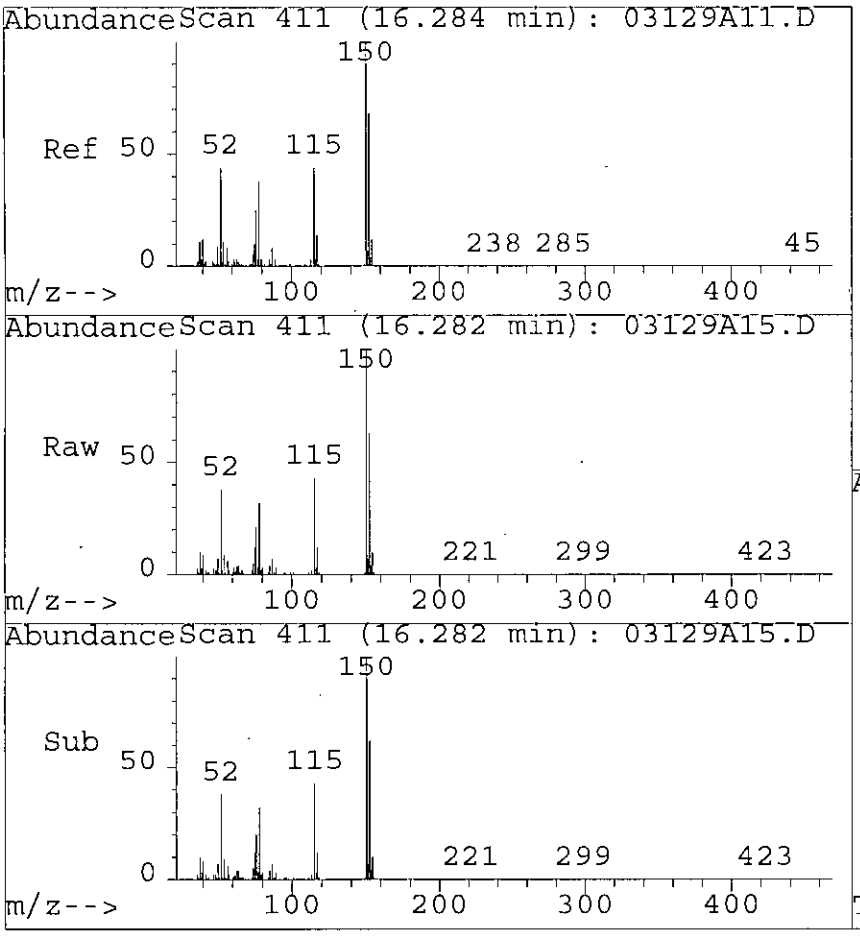
Quantitation Report

Data File : c:\hpchem\1\data\03129a15.d
Acq On : 13 Mar 99 2:46 pm
Sample : 67833(1:10)
Misc : American Glue & Resin P#99187
Quant Time: Mar 14 9:16 1999

Vial: 15
Operator: ESAT
Inst : 5988
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\03129A02.M
Title : semivolatiles
Last Update : Sat Mar 13 11:22:04 1999
Response via : Single Level Calibration

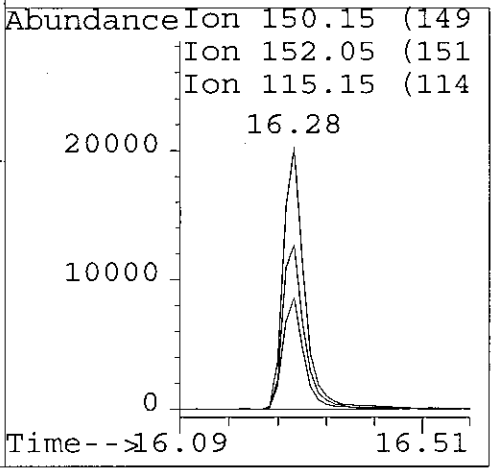


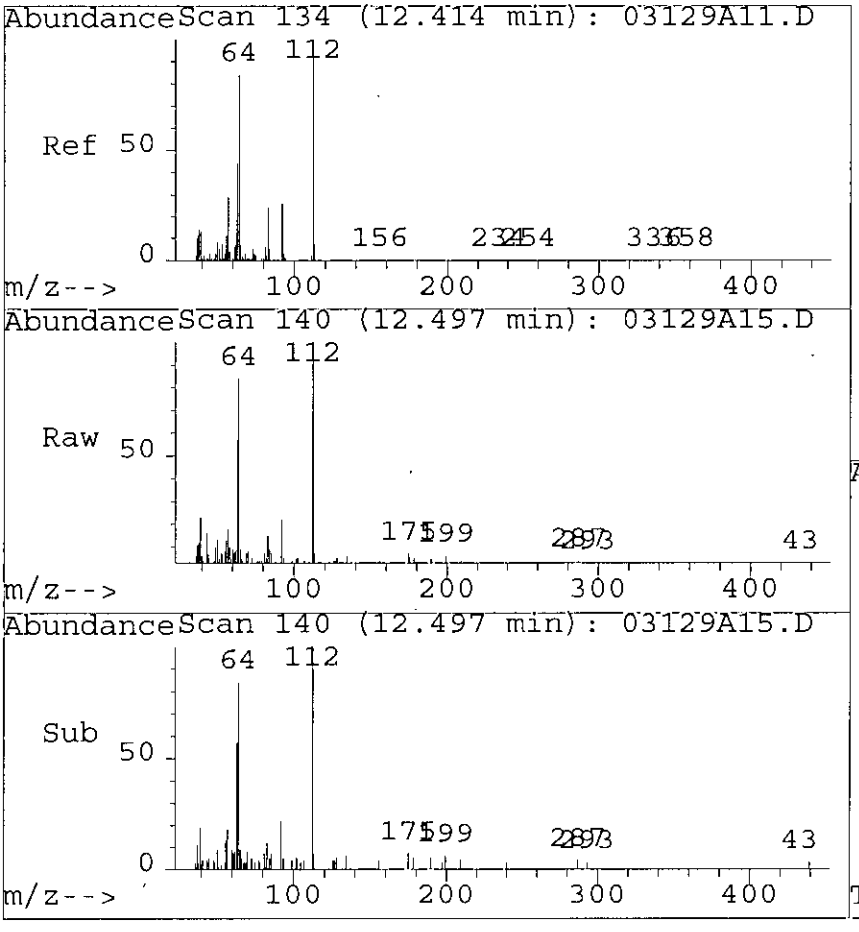


#1
1,4-DICHLOROBENZENE-D4
Concen: 40.00 ug/ml
RT: 16.28 min Scan# 411
Delta R.T. -0.00 min
Lab File: 03129a15.d
Acq: 13 Mar 99 2:46 pm

Tgt Ion:150.15 Resp: 51562

Ion	Ratio	Lower	Upper
150	100		
152	62.8	51.1	76.6
115	42.6	34.7	52.0
0	0.0	0.0	0.0

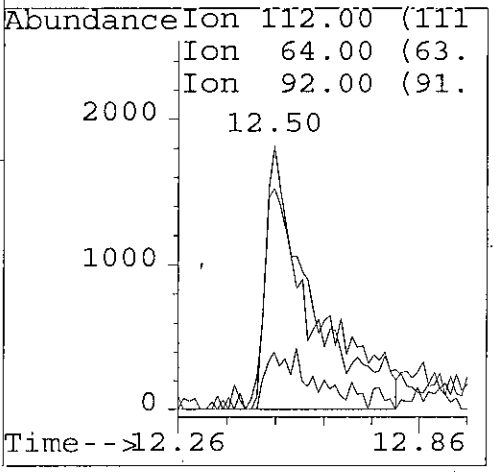


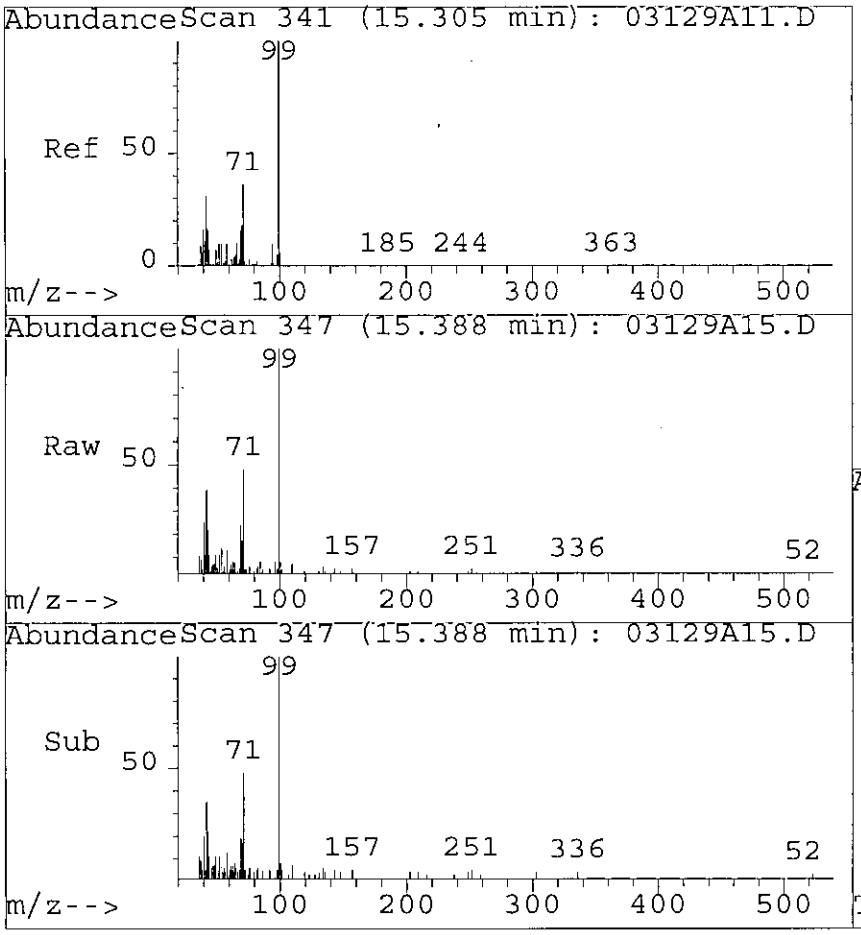


#2
FLUOROPHENOL
Concen: 15.65 ug/ml
RT: 12.50 min Scan# 140
Delta R.T. 0.08 min
Lab File: 03129a15.d
Acq: 13 Mar 99 2:46 pm

Tgt Ion:112 Resp: 15192

Ion	Ratio	Lower	Upper
112	100		
64	84.1	55.4	83.1#
92	22.1	24.7	37.0#
0	0.0	0.0	0.0

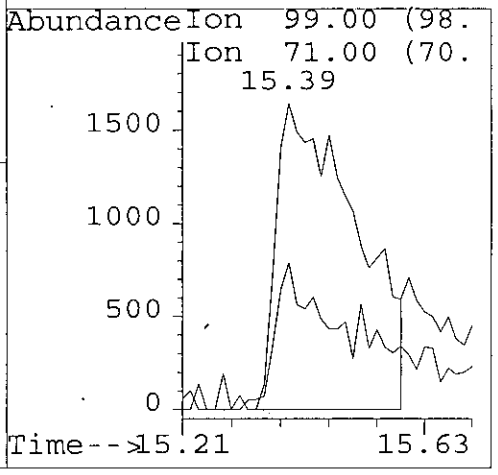


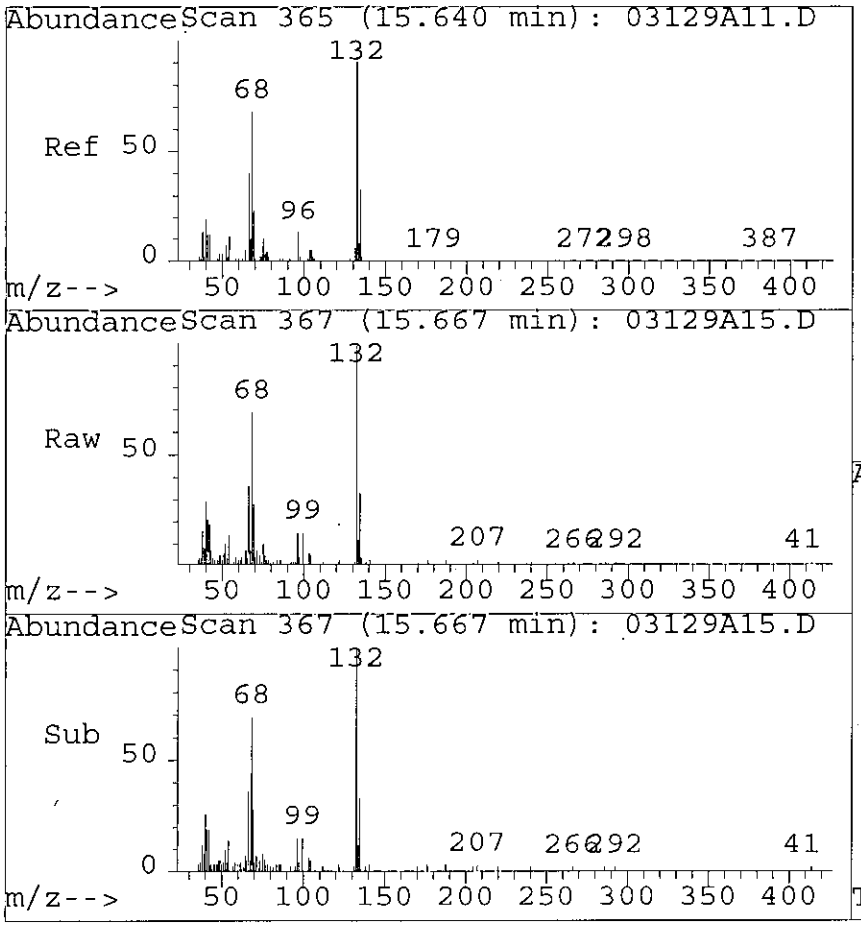


#4
PHENOL-D5
Concen: 10.96 ug/ml
RT: 15.39 min Scan# 347
Delta R.T. 0.08 min
Lab File: 03129a15.d
Acq: 13 Mar 99 2:46 pm

Tgt Ion:99 Resp: 15918

Ion	Ratio	Lower	Upper
99	100		
71	48.1	27.7	41.4#
0	0.0	0.0	0.0
0	0.0	0.0	0.0

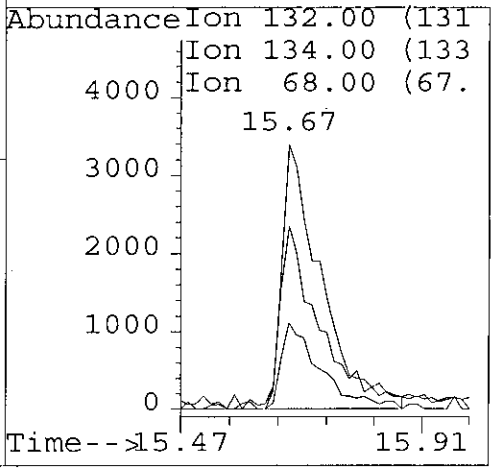


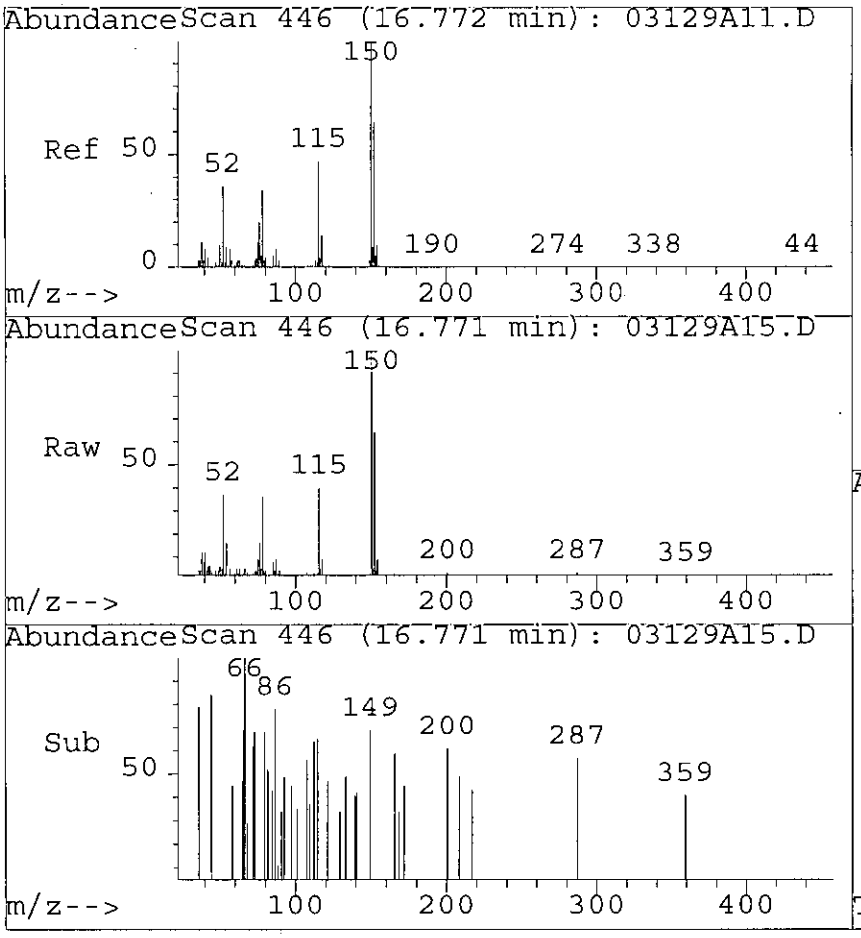


#5
2-CHLOROPHENOL-D4
Concen: 16.10 ug/ml
RT: 15.67 min Scan# 367
Delta R.T. 0.03 min
Lab File: 03129a15.d
Acq: 13 Mar 99 2:46 pm

Tgt Ion:132 Resp: 16984

Ion	Ratio	Lower	Upper
132	100		
134	33.0	24.0	35.9
68	69.4	40.0	59.9#
0	0.0	0.0	0.0

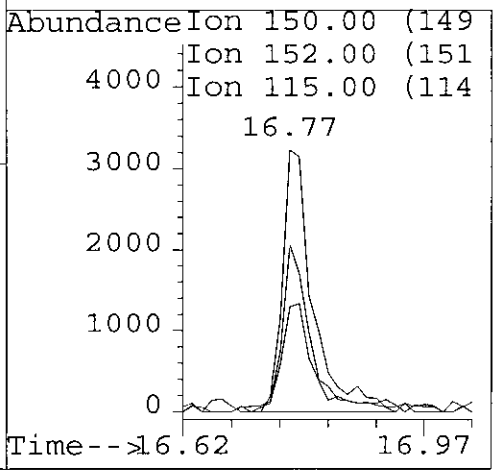


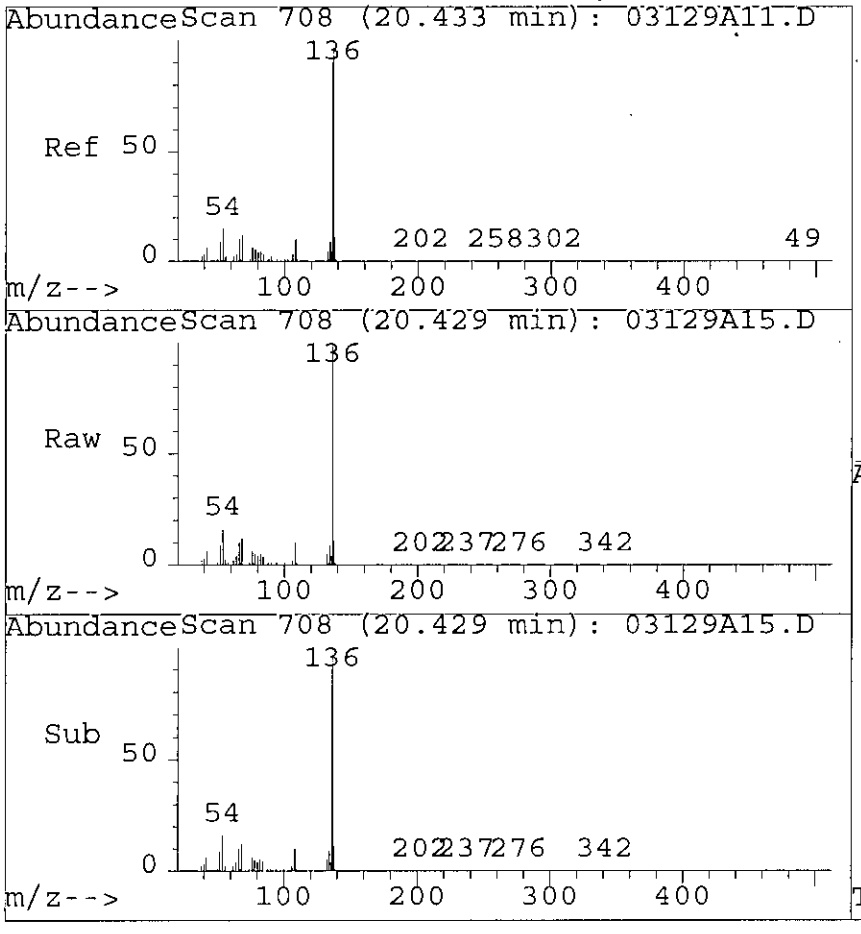


#12
1,2-DICHLOROBENZENE-D4
Concen: 8.07 ug/ml
RT: 16.77 min Scan# 446
Delta R.T. -0.00 min
Lab File: 03129a15.d
Acq: 13 Mar 99 2:46 pm

Tgt Ion:150 Resp: 9907

Ion	Ratio	Lower	Upper
150	100		
152	63.8	52.2	78.3
115	40.0	37.8	56.7
0	0.0	0.0	0.0

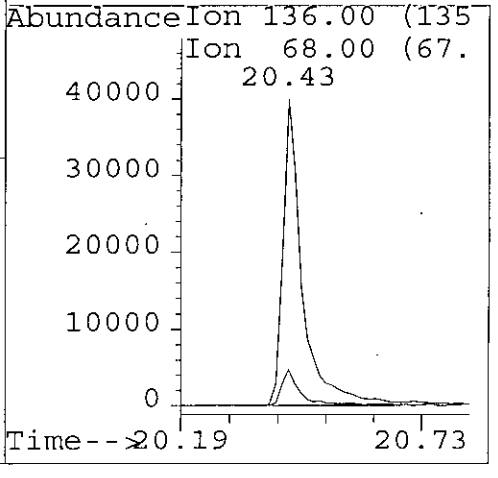


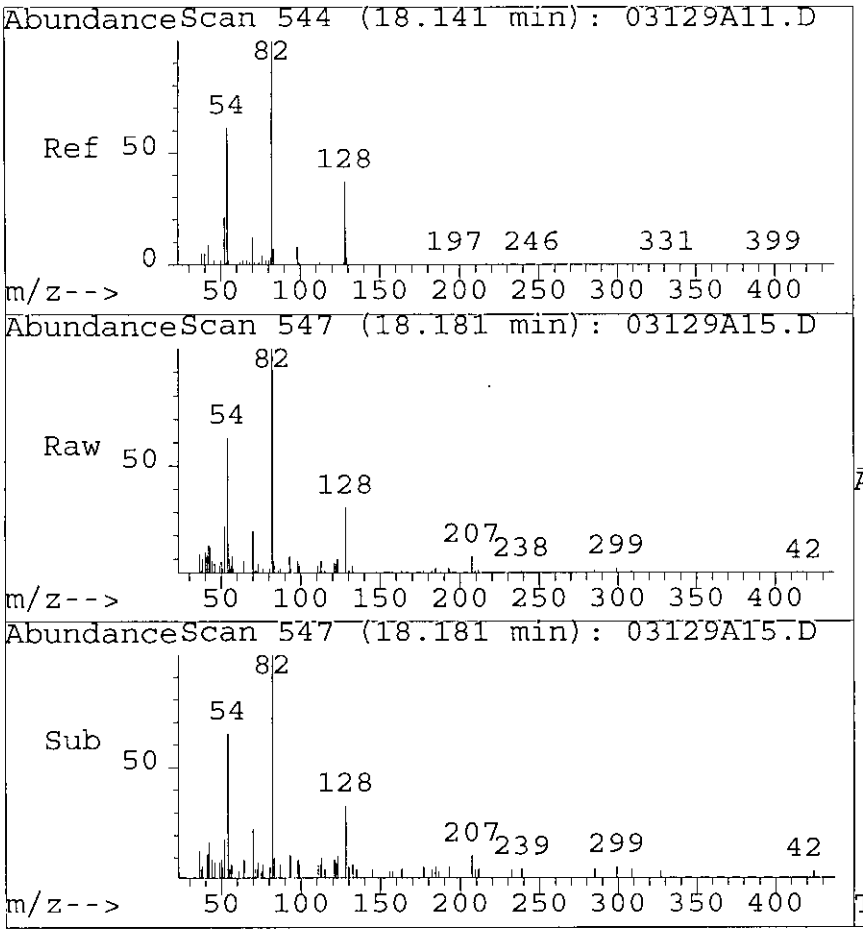


#19
NAPHTHALENE-D8
Concen: 40.00 ug/ml
RT: 20.43 min Scan# 708
Delta R.T. -0.00 min
Lab File: 03129a15.d
Acq: 13 Mar 99 2:46 pm

Tgt Ion:136 Resp: 120969

Ion	Ratio	Lower	Upper
136	100		
68	12.0	6.0	8.9#
0	0.0	0.0	0.0
0	0.0	0.0	0.0

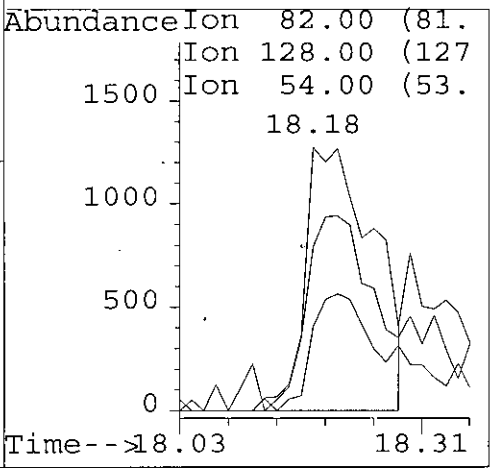


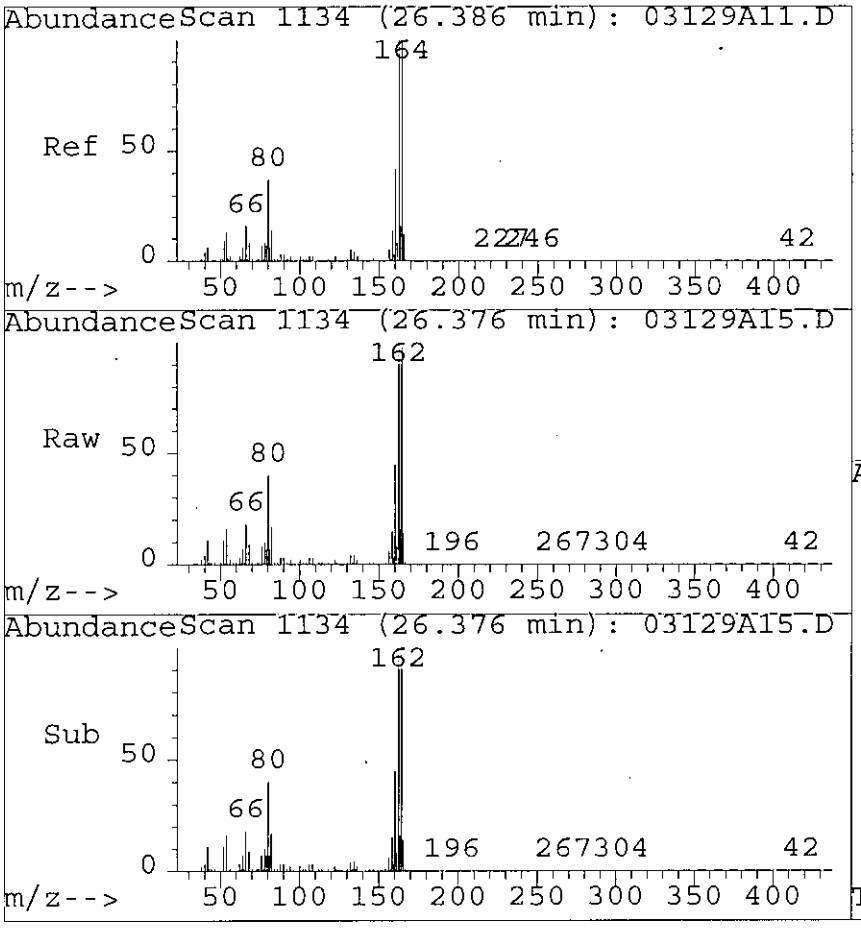


#20
NITROBENZENE-D5
Concen: 4.02 ug/ml
RT: 18.18 min Scan# 547
Delta R.T. 0.04 min
Lab File: 03129a15.d
Acq: 13 Mar 99 2:46 pm

Tgt Ion:82 Resp: 6993

Ion	Ratio	Lower	Upper
82	100		
128	32.0	34.4	51.5#
54	62.2	42.9	64.4
0	0.0	0.0	0.0

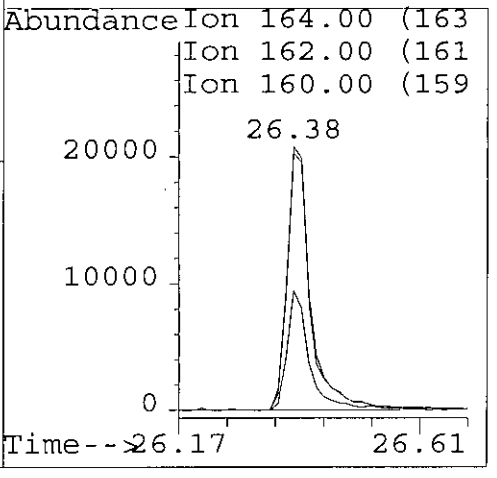


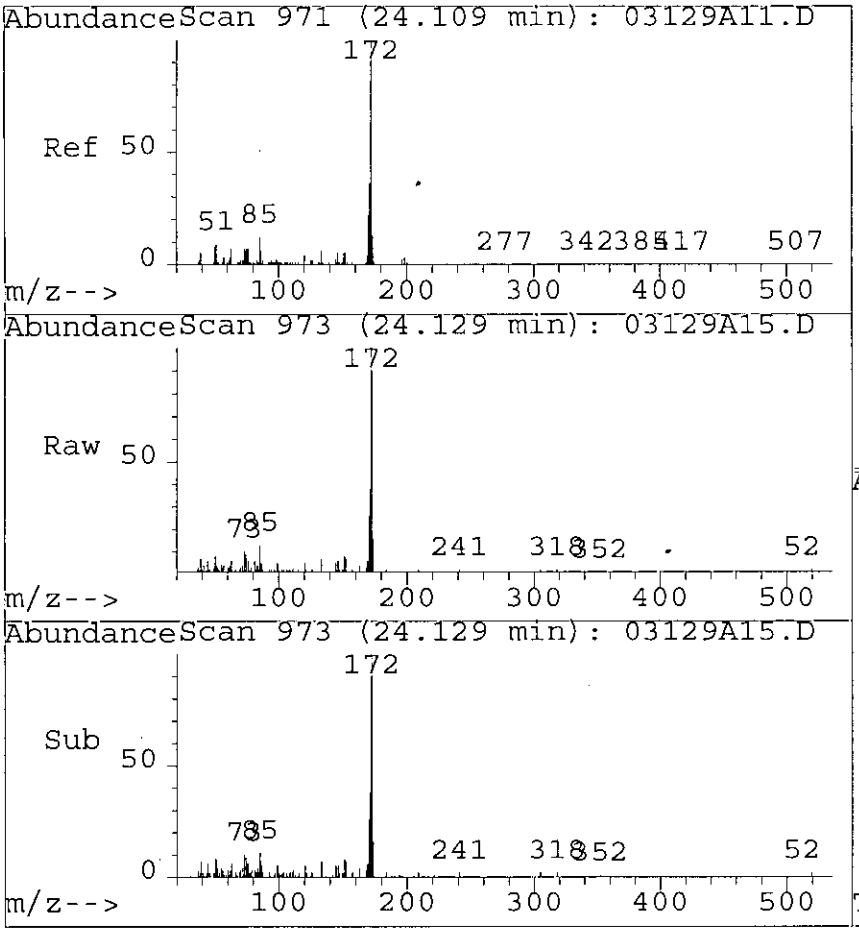


#34
ACENAPHTHENE-D10
Concen: 40.00 ug/ml
RT: 26.38 min Scan# 1134
Delta R.T. -0.01 min
Lab File: 03129a15.d
Acq: 13 Mar 99 2:46 pm

Tgt Ion:164 Resp: 60157

Ion	Ratio	Lower	Upper
164	100		
162	102.3	82.3	123.4
160	46.4	33.6	50.3
0	0.0	0.0	0.0

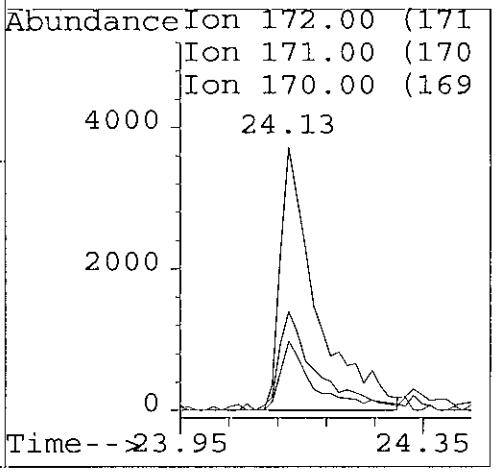


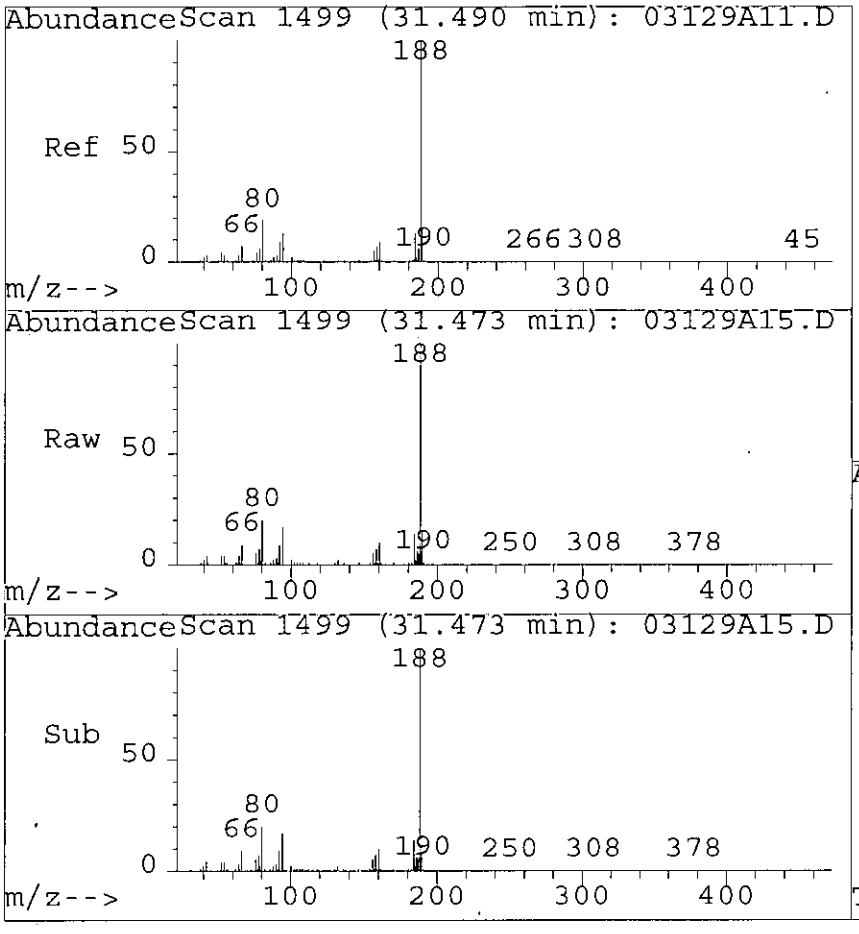


#38
FLUOROBIPHENYL
Concen: 7.91 ug/ml
RT: 24.13 min Scan# 973
Delta R.T. 0.02 min
Lab File: 03129a15.d
Acq: 13 Mar 99 2:46 pm

Tgt Ion:172 Resp: 15736

Ion	Ratio	Lower	Upper
172	100		
171	37.5	30.5	45.8
170	26.5	18.4	27.5
0	0.0	0.0	0.0

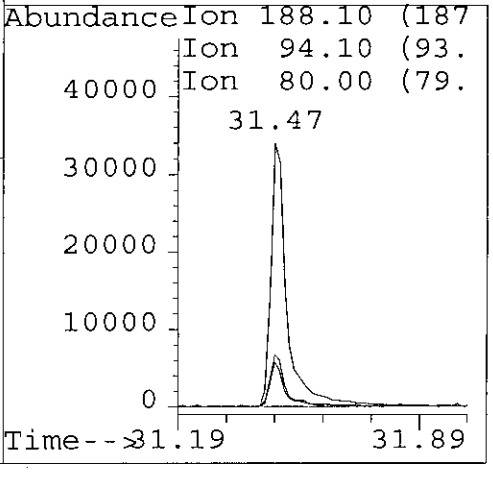


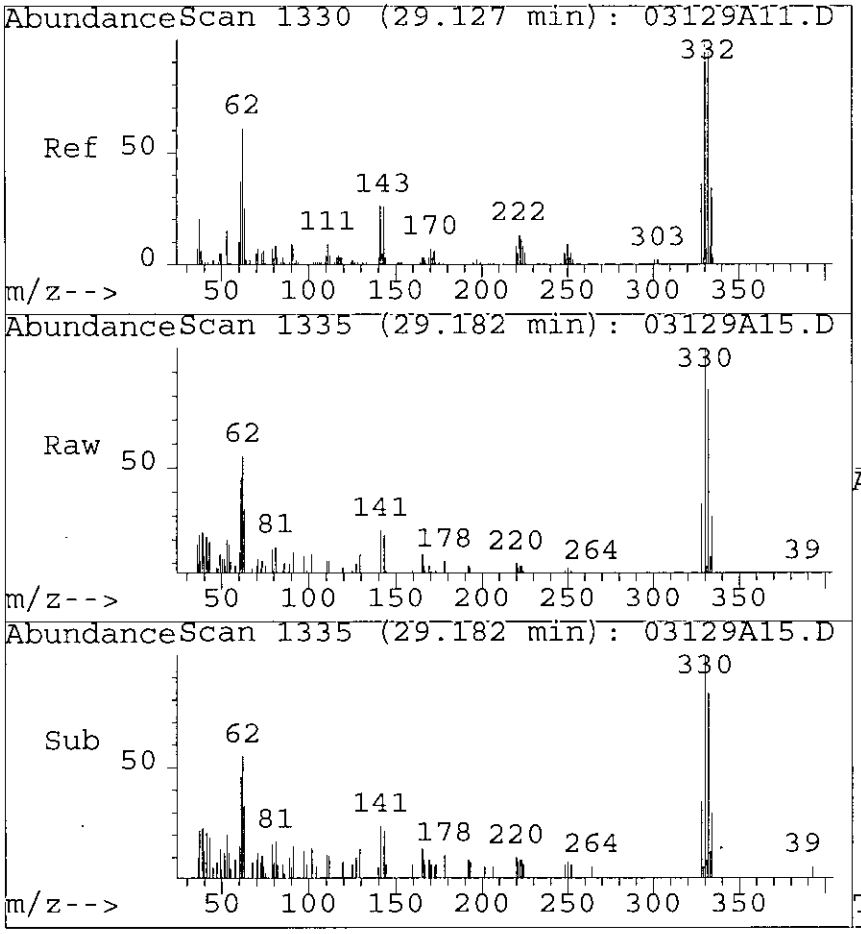


#54
PHENANTHRENE-D10
Concen: 40.00 ug/ml
RT: 31.47 min Scan# 1499
Delta R.T. -0.02 min
Lab File: 03129a15.d
Acq: 13 Mar 99 2:46 pm

Tgt Ion:188.1 Resp: 110633

Ion	Ratio	Lower	Upper
188	100		
94	17.3	11.6	17.3
80	19.9	13.7	20.5
0	0.0	0.0	0.0

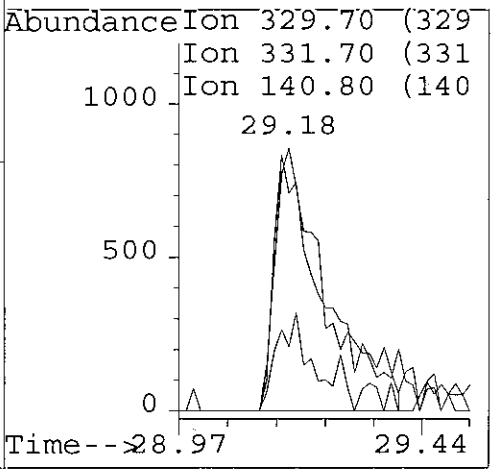


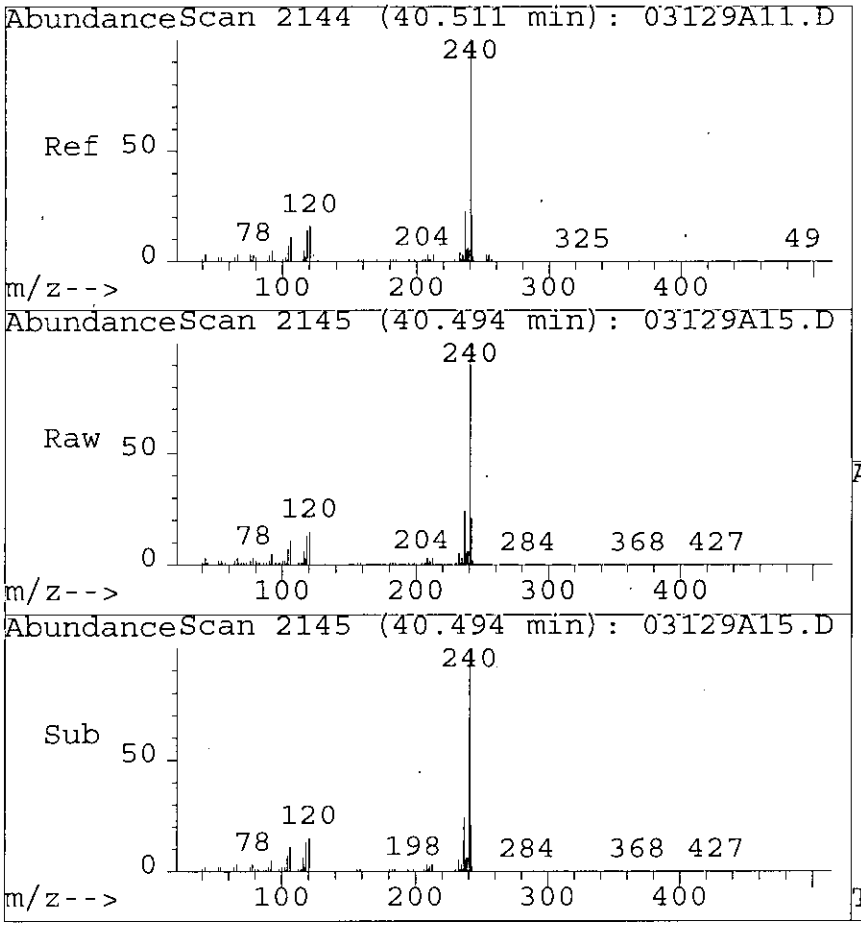


#58
2,4,6-TRIBROMOPHENOL
Concen: 12.62 ug/ml
RT: 29.18 min Scan# 1335
Delta R.T. 0.06 min
Lab File: 03129a15.d
Acq: 13 Mar 99 2:46 pm

Tgt Ion:329.7 Resp: 5740

Ion	Ratio	Lower	Upper
330	100		
332	82.9	69.7	104.5
141	24.4	30.9	46.4#
0	0.0	0.0	0.0

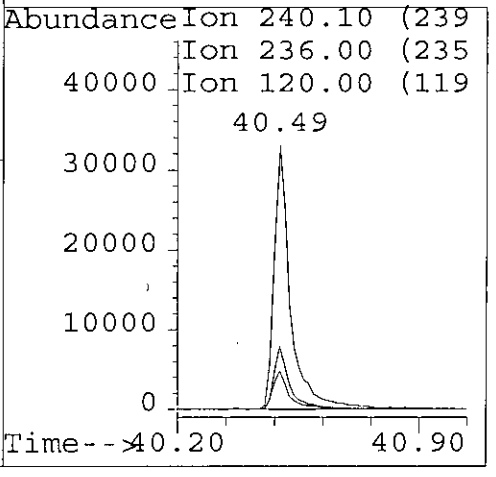


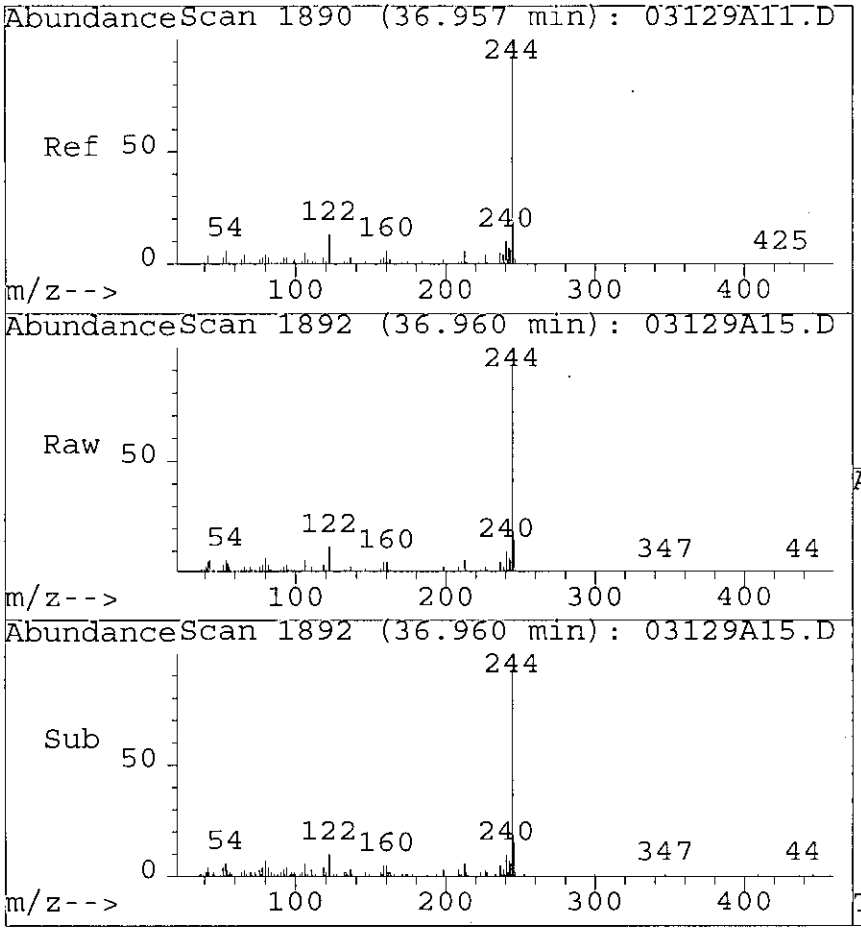


#74
CHRYSENE-D12
Concen: 40.00 ug/ml
RT: 40.49 min Scan# 2145
Delta R.T. -0.02 min
Lab File: 03129a15.d
Acq: 13 Mar 99 2:46 pm

Tgt Ion:240.1 Resp: 110084

Ion	Ratio	Lower	Upper
240	100		
236	24.1	20.6	30.9
120	14.7	17.5	26.2#
0	0.0	0.0	0.0

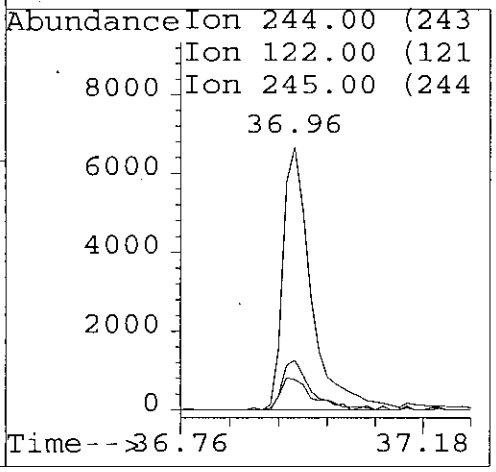


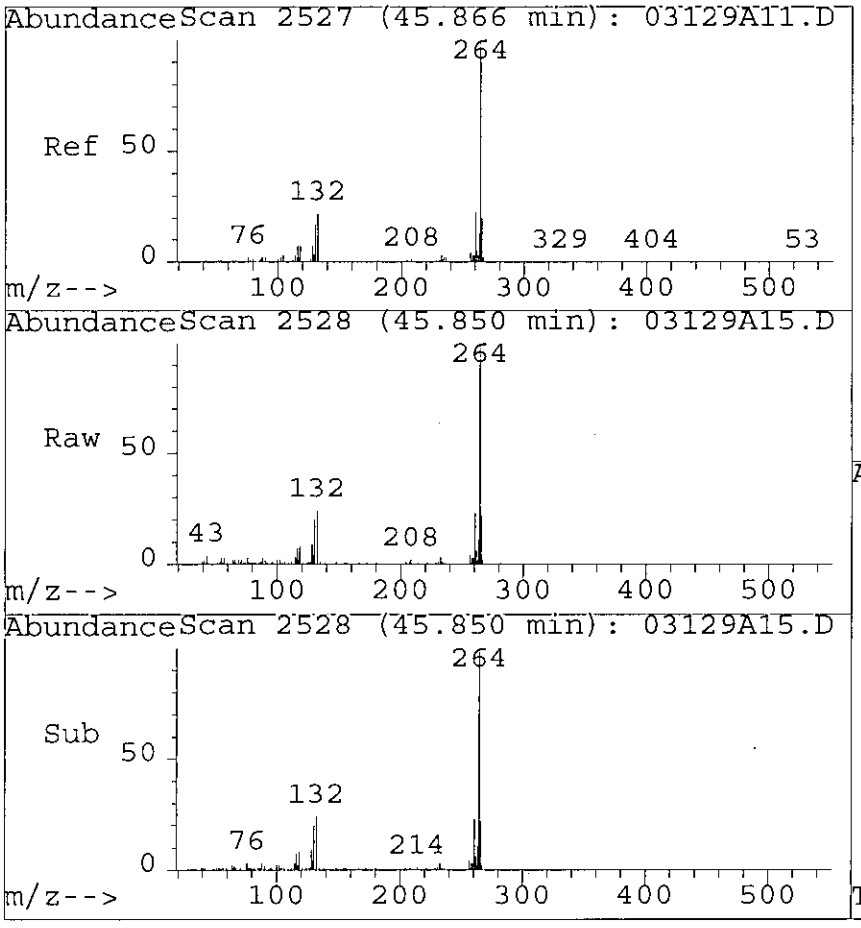


#78
P-TERPHENYL-D14
Concen: 8.38 ug/ml
RT: 36.96 min Scan# 1892
Delta R.T. 0.00 min
Lab File: 03129a15.d
Acq: 13 Mar 99 2:46 pm

Tgt Ion:244 Resp: 22766

Ion	Ratio	Lower	Upper
244	100		
122	11.6	15.3	23.0#
245	19.0	15.6	23.3
0	0.0	0.0	0.0

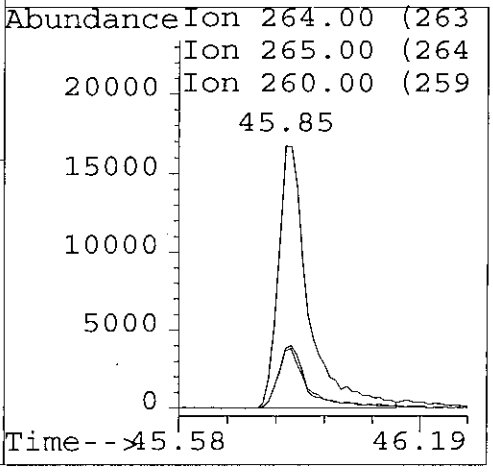




#92
PERYLENE-D12
Concen: 40.00 ug/ml
RT: 45.85 min Scan# 2528
Delta R.T. -0.02 min
Lab File: 03129a15.d
Acq: 13 Mar 99 2:46 pm

Tgt Ion:264 Resp: 88245

Ion	Ratio	Lower	Upper
264	100		
265	21.9	17.1	25.6
260	22.9	19.3	28.9
0	0.0	0.0	0.0



TIC: 03129A15.D

67833(1:10)

Peak#	Ret Time	Type	Width	Area	Start Time	End Time
1	11.422	rBV	0.251	1350070	11.338	11.589
2	12.483	rBV	0.168	56132-S	12.441	12.608
3	13.558	rBV	0.154	10028	13.474	13.628
4	15.039	rVB	0.112	34675	14.983	15.094
5	15.388	rBV	0.154	41665-S	15.318	15.472
6	15.667	rBV	0.210	74946-S	15.611	15.821
7	16.282	rBV	0.168	247643-IS	16.198	16.366
8	16.771	rBV	0.196	57656-S	16.673	16.869
9	18.209	rBV	0.196	32702-S	18.083	18.278
10	18.683	rVB	0.098	14901	18.641	18.739
11	20.234	rVB	0.126	10655	20.192	20.317
12	20.429	rVV	0.252	294915-IS	20.359	20.611
13	20.694	rVB	0.084	29025	20.667	20.751
14	22.230	rVB	0.167	16846	22.160	22.328
15	22.900	rVB	0.154	15030	22.803	22.956
16	24.129	rBV	0.168	53884-S	24.059	24.227
17	26.376	rBV	0.252	318579-IS	26.320	26.572
18	29.169	rBV	0.168	40974-S	29.113	29.280
19	31.473	rBV	0.308	319717-IS	31.389	31.696
20	36.960	rBV	0.154	71275-S	36.904	37.058
21	38.272	rVB	0.084	19736	38.244	38.328
22	38.705	rBV	0.126	13654	38.635	38.761
23	40.494	rBV	0.336	331065-IS	40.396	40.732
24	42.005	rBV	0.154	12648	41.949	42.103
25	45.864	rBV	0.406	286067-IS	45.752	46.158
26	52.366	rVB	0.126	13026	52.338	52.464

Library Search Compound Report

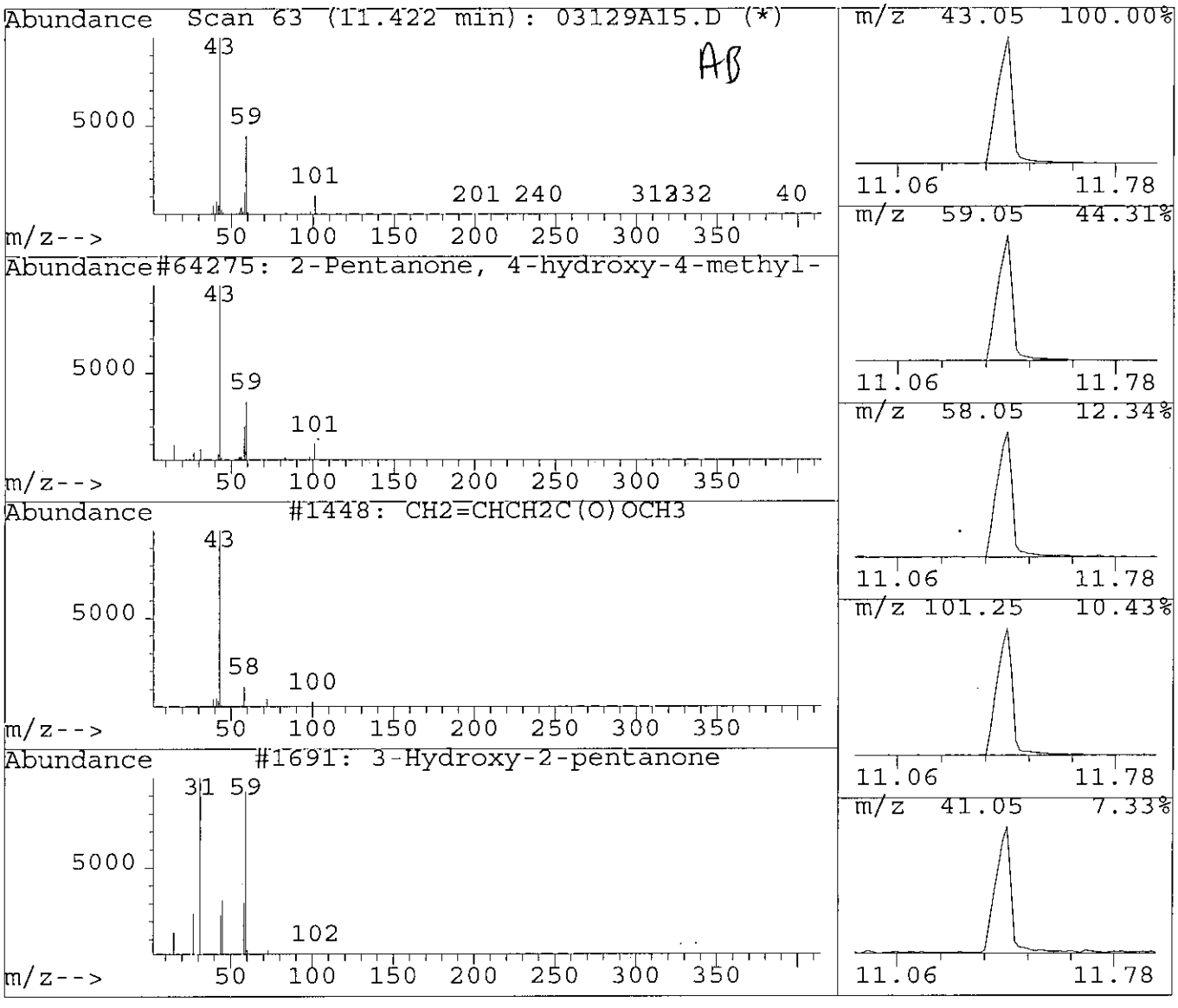
Data File : C:\HPCHEM\1\DATA\03129A15.D
Acq On : 13 Mar 99 2:46 pm
Sample : 67833(1:10)
Misc : American Glue & Resin P#99187

Vial: 15
Operator: ESAT
Inst : 5988
Multiplr: 2363.51

Method : C:\HPCHEM\1\METHODS\03129A02.M
Title : semivolatiles
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	R.T.
11.42	515403.30 ug/ml	1350070	1,4-DICHLOROBENZENE-D4	16.28

Hit# of 20	Tentative ID	Ref#	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	64275	000123-42-2	50
2	CH2=CHCH2C(O)OCH3	1448	003724-55-8	12
3	3-Hydroxy-2-pentanone	1691	003142-66-3	9
4	2-Propanone, 1-(1-methylethoxy)-	3286	042781-12-4	9
5	Formamide, N,N-diethyl-	1629	000617-84-5	7



Library Search Compound Report

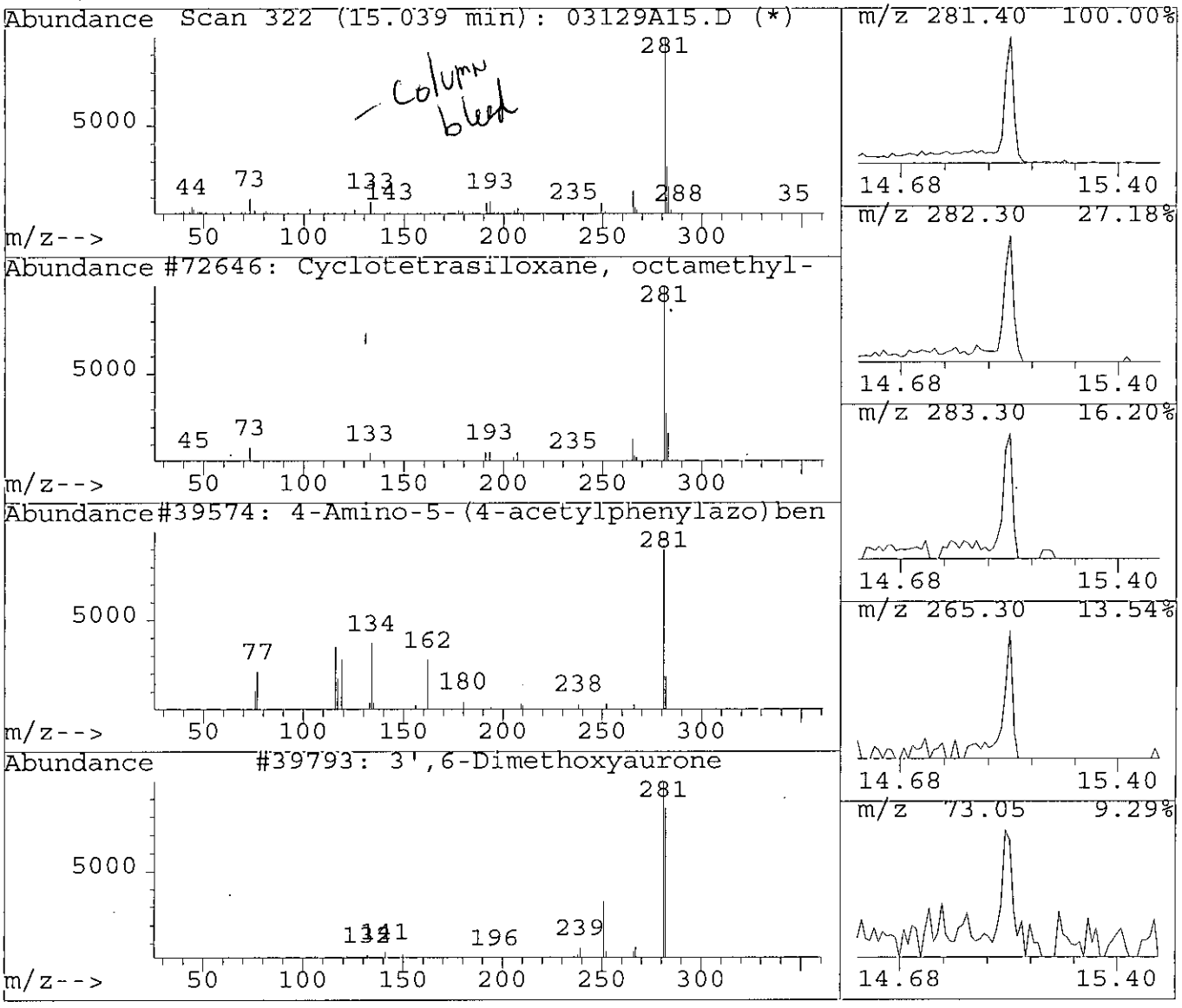
Data File : C:\HPCHEM\1\DATA\03129A15.D
Acq On : 13 Mar 99 2:46 pm
Sample : 67833(1:10)
Misc : American Glue & Resin P#99187

Vial: 15
Operator: ESAT
Inst : 5988
Multiplr: 2363.51

Method : C:\HPCHEM\1\METHODS\03129A02.M
Title : semivolatiles
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	R.T.
15.04	13237.54 ug/ml	34675	1,4-DICHLOROBENZENE-D4	16.28

Hit# of 20	Tentative ID	Ref#	CAS#	Qual
1	Cyclotetrasiloxane, octamethyl-	72646	000556-67-2	90
2	4-Amino-5-(4-acetylphenylazo)benzof	39574	000000-00-0	38
3	3',6-Dimethoxyaurone	39793	077764-84-2	9
4	Benzene, 1-phenyl-4-(2-cyano-2-phen	39643	027869-56-3	9
5	2(1H)-Pyrimidinone, 5-chloro-4,6-di	39758	028567-83-1	7



Library Search Compound Report

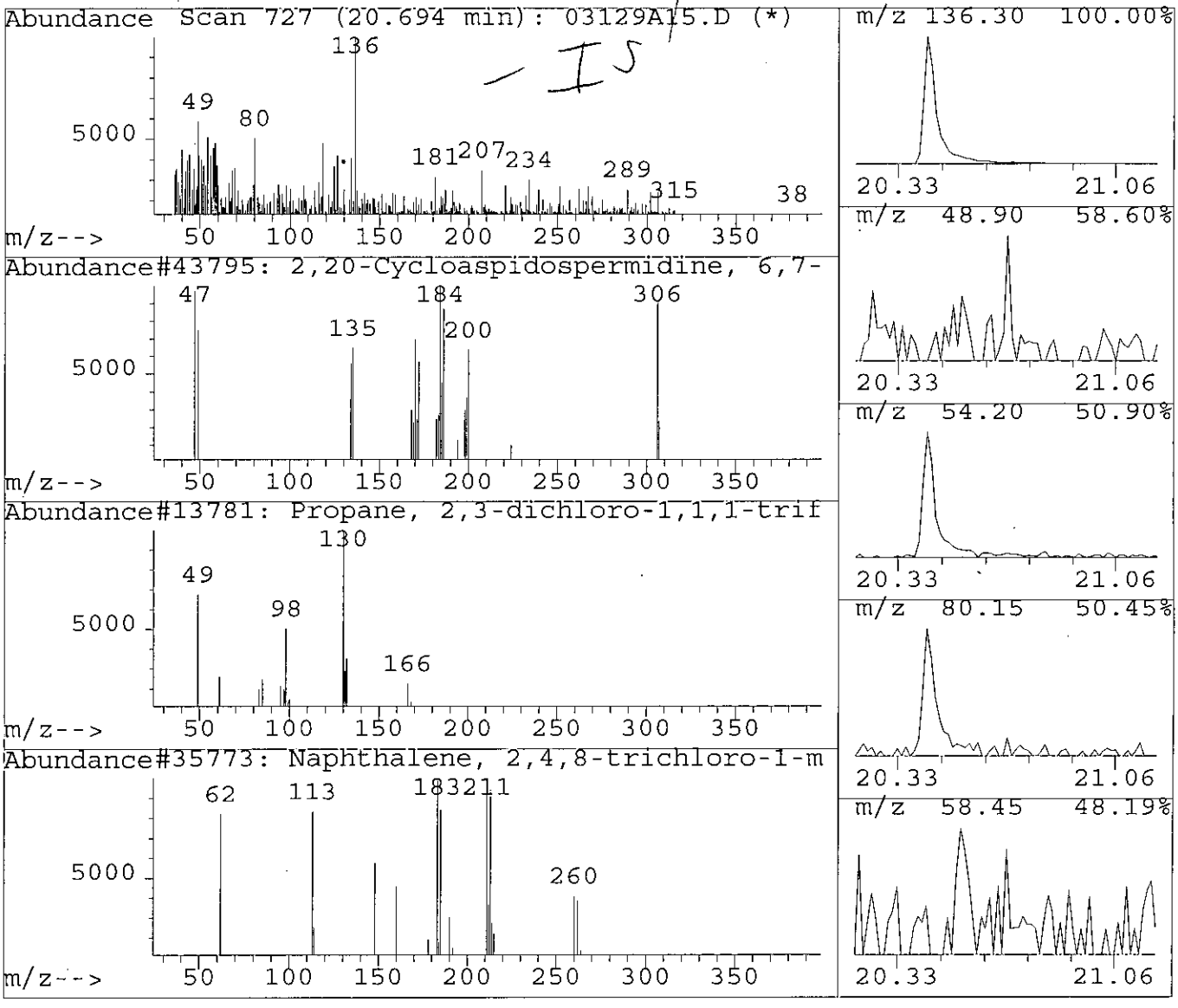
Data File : C:\HPCHEM\1\DATA\03129A15.D
Acq On : 13 Mar 99 2:46 pm
Sample : 67833(1:10)
Misc : American Glue & Resin P#99187

Vial: 15
Operator: ESAT
Inst : 5988
Multiplr: 2363.51

Method : C:\HPCHEM\1\METHODS\03129A02.M
Title : semivolatiles
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	R.T.
20.69	9304.48 ug/ml	29025	NAPHTHALENE-D8	20.43

Hit# of 20	Tentative ID	Ref#	CAS#	Qual
1	2,20-Cycloaspidospermidine, 6,7-did	43795	056053-37-3	38
2	Propane, 2,3-dichloro-1,1,1-trifluo	13781	000338-75-0	27
3	Naphthalene, 2,4,8-trichloro-1-meth	35773	074298-67-2	25
4	Sulfonium, dimethyl[(methylsulfonyl	11098	055649-95-1	22
5	Butanenitrile, 4-chloro-	1806	000628-20-6	17



1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

S67834D

Lab EPA REG 1 Contract:

Proj 99187 Site: AMERICAN Location: Group:

Matrix: (soil/wat SOIL Lab Sample ID: S67834D

Wet Sample wt/vol: 5.2 (g/mL) G Lab File ID: 03129A16.D

Dry : Date Collected 3/2/99

Level: (low/m MED Date Received: 3/3/99

% 46 decanted: (Y/N): Y Date Extracted: 3/9/99

Concentrated Extract Volume 2000 (uL) Date Analyzed: 3/13/99

Injection Volume 1.0 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y N pH: 0 Repeat Fraction

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
62-53-3	ANILINE	72000	UD
108-95-2	PHENOL	72000	UD
111-44-4	BIS(2-CHLOROETHYL) ETHER	72000	UD
95-57-8	2-CHLOROPHENOL	72000	UD
541-73-1	1,3-DICHLOROBENZENE	72000	UD
106-46-7	1,4-DICHLOROBENZENE	72000	UD
100-51-6	BENZYL ALCOHOL	72000	UD
95-50-1	1,2-DICHLOROBENZENE	72000	UD
95-48-7	2-METHYLPHENOL	72000	UD
108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	72000	UD
106-44-5	4-METHYLPHENOL	72000	UD
621-64-7	N-NITROSODIPROPYLAMINE	72000	UD
67-72-1	HEXACHLOROETHANE	72000	UD
98-95-3	NITROBENZENE	72000	UD
78-59-1	ISOPHORONE	72000	UD
88-75-5	2-NITROPHENOL	72000	UD
105-67-9	2,4-DIMETHYLPHENOL	72000	UD
111-91-1	BIS(2-CHLOROETHOXY)METHANE	72000	UD
65-85-0	BENZOIC ACID	72000	UD
120-83-2	2,4-DICHLOROPHENOL	72000	UD
120-82-1	1,2,4-TRICHLOROBENZENE	72000	UD
91-20-3	NAPHTHALENE	72000	UD
106-47-8	4-CHLOROANILINE	72000	UD
87-68-3	HEXACHLOROBUTADIENE	72000	UD
59-50-7	4-CHLORO-3-METHYLPHENOL	72000	UD
91-57-6	2-METHYLNAPHTHALENE	72000	UD
77-47-4	HEXACHLOROCYCLOPENTADIENE	72000	UD
88-06-2	2,4,6-TRICHLOROPHENOL	72000	UD
95-95-4	2,4,5-TRICHLOROPHENOL	72000	UD
91-58-7	2-CHLORONAPHTHALENE	72000	UD
88-74-4	2-NITROANILINE	72000	UD
131-11-3	DIMETHYLPHTHALATE	72000	UD
208-96-8	ACENAPHTHYLENE	72000	UD

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

S67834D

Lab EPA REG 1 Contract:

Proj 99187 Site: AMERICAN Location: Group:

Matrix: (soil/wat SOIL Lab Sample ID: S67834D

Sample wt/vol: 5.2 (g/mL) G Lab File ID: 03129A16.D

Level: (low/m MED Date Received: 3/3/99

% 46 decanted: (Y/N): Y Date Extracted: 3/9/99

Concentrated Extract Volume 2000 (uL) Date Analyzed: 3/13/99

Injection Volume 1.0 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y N pH: 0

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
606-20-2	2,6-DINITROTOLUENE	72000	UD
99-09-2	3-NITROANILINE	72000	UD
83-32-9	ACENAPHTHENE	72000	UD
51-28-5	2,4-DINITROPHENOL	72000	UD
132-64-9	DIBENZOFURAN	72000	UD
100-02-7	4-NITROPHENOL	72000	UD
121-14-2	2,4-DINITROTOLUENE	72000	UD
84-66-2	DIETHYLPHTHALATE	72000	UD
86-73-7	FLUORENE	72000	UD
7005-72-3	4-CHLOROPHENYL-PHENYLETHER	72000	UD
100-01-6	4-NITROANILINE	72000	UD
534-52-1	4,6-DINITRO-2-METHYLPHENOL	72000	UD
86-30-6	N-NITROSODIPHENYLAMINE	72000	UD
103-33-3	DIPHENYLHYDRAZINE(AZOBENZENE)	72000	UD
101-55-3	4-BROMOPHENYL-PHENYLETHER	72000	UD
319-84-6	BHC ISOMER (ALPHA)	72000	UD
118-74-1	HEXACHLOROBENZENE	72000	UD
319-85-7	BHC ISOMER (BETA)	72000	UD
87-86-5	PENTACHLOROPHENOL	72000	UD
58-89-9	LINDANE-BHC ISOMER (GAMA)	72000	UD
85-01-8	PHENANTHRENE	72000	UD
120-12-7	ANTHRACENE	72000	UD
319-86-8	BHC ISOMER (DELTA)	72000	UD
86-74-8	CARBAZOLE	72000	UD
76-44-8	HEPTACHLOR	72000	UD
84-74-2	DIBUTYLPHTHALATE	72000	UD
309-00-2	ALDRIN	72000	UD
1024-57-3	HEPTACHLOR EPOXIDE	72000	UD
206-44-0	FLUORANTHENE	72000	UD
129-00-0	PYRENE	72000	UD
959-98-8	ENDOSULFAN I	72000	UD
72-55-9	P,P-DDE	72000	UD
60-57-1	DIELDRIN	72000	UD

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

S67834D

Lab EPA REG 1 Contract:

Proj 99187 Site: AMERICAN Location: Group:

Matrix: (soil/wat SOIL Lab Sample ID: S67834D

Sample wt/vol: 5.2 (g/mL) G Lab File ID: 03129A16.D

Level: (low/m MED Date Received: 3/3/99

% 46 decanted: (Y/N): Y Date Extracted: 3/9/99

Concentrated Extract Volume 2000 (uL) Date Analyzed: 3/13/99

Injection Volume 1.0 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y N pH: 0

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
72-20-8	ENDRIN	72000	UD
33213-65-9	ENDOSULFAN II	72000	UD
72-54-8	P,P-DDD	72000	UD
85-68-7	BUTYLBENZYLPHTHALATE	72000	UD
50-29-3	P,P-DDT	72000	UD
1031-07-8	ENDOSULFAN SULFATE	72000	UD
72-43-5	METHOXYCHLOR	72000	UD
53494-70-5	ENDRIN KETONE	72000	UD
91-94-1	3,3-DICHCHLOROBENZIDINE	72000	UD
56-55-3	BENZ(A)ANTHRACENE	72000	UD
218-01-9	CHRYSENE	72000	UD
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	24000	JD
117-84-0	DI-N-OCTYLPHTHALATE	72000	UD
205-99-2	BENZO(B)FLUORANTHENE	72000	UD
207-08-9	BENZO(K)FLUORANTHENE	72000	UD
50-32-8	BENZO(A)PYRENE	72000	UD
193-39-5	INDENO(1,2,3-CD)PYRENE	72000	UD
53-70-3	DIBENZO(A,H)ANTHRACENE	72000	UD
191-24-2	BENZO(GHI)PERYLENE	72000	UD

QUANTITATION SHEET

SAMPLE NUMBER 67834

Tentatively Identified Compounds

SCAN NO.	COMPOUND	PROB. MATCH	CONC (ug/ml)	EST. C. (ug/kg)	CAS NO.	CHEM. FORM.
62	4-hydroxy-4-methyl-2-Pentanone	59	—	~90,000 AB	123-42-2	
2450	unknown hydrocarbon - C28	91	—	~100,000	—	
2618	unknown hydrocarbon - C30	86	—	~100,000	—	
2685	Unknown hydrocarbon - C30	87	—	~100,000	—	
2924	Unknown hydrocarbon - C32	80	—	~100,000	—	
3370	unknown hydrocarbon - C32	—	—	~70,000	—	

~ = Approximate
< = Less than
> = Greater than
NA = Not available due to dilution or interference
E = Estimated value that exceeds the calibration range
L = Estimated value that is below the calibration range
B = Analyte associated with the lab, trip blank. Reported values are 5X higher than blank. Phthalates must be 10X.

Quantitation Report

Data File : C:\HPCHEM\1\DATA\03129A16.D
Acq On : 13 Mar 99 3:54 pm
Sample : 67834 (1:10)
Misc : American Glue & Resin P#99187
Quant Time: Mar 14 11:12 1999

Vial: 16
Operator: ESAT
Inst : 5988
Multiplr: 7160.76

Method : C:\HPCHEM\1\METHODS\03129A02.M
Title : semivolatiles
Last Update : Sat Mar 13 11:22:04 1999
Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DICHLOROBENZENE-D4	16.28	150	45654	40.00	ug/ml	0.00
19) NAPHTHALENE-D8	20.43	136	116727	40.00	ug/ml	0.00
34) ACENAPHTHENE-D10	26.38	164	60343	40.00	ug/ml	-0.01
54) PHENANTHRENE-D10	31.47	188	107819	40.00	ug/ml	-0.02
74) CHRYSENE-D12	40.50	240	108215	40.00	ug/ml	-0.02
92) PERYLENE-D12	45.86	264	84337	40.00	ug/ml	0.00
System Monitoring Compounds						%Recovery
2) FLUOROPHENOL	12.69	112	6626	7.71	ug/ml	3.85%
4) PHENOL-D5	15.54	99	8464	6.58	ug/ml	3.29%
5) 2-CHLOROPHENOL-D4	15.78	132	6144	6.58	ug/ml	3.29%
12) 1,2-DICHLOROBENZENE-D4	16.79	150	2700	2.48	ug/ml	2.48%
20) NITROBENZENE-D5	18.28	82	5042	3.01	ug/ml	3.01%
38) FLUOROBIPHENYL	24.16	172	6080	3.05	ug/ml	3.05%
58) 2,4,6-TRIBROMOPHENOL	29.18	330	2315	5.22	ug/ml	2.61%
78) P-TERPHENYL-D14	36.96	244	8770	3.28	ug/ml	3.28%
Target Compounds						Qvalue
91) BIS(2-ETHYLHEXYL)PHTHALATE	40.57	149	8277	23612.60	ug/ml#	97

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\03129A16.D
Acq On : 13 Mar 99 3:54 pm
Sample : 67834 (1:10)
Misc : American Glue & Resin P#99187
Quant Time: Mar 14 11:09 1999

Vial: 16
Operator: ESAT
Inst : 5988
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\03129A02.M
Title : semivolatiles
Last Update : Sat Mar 13 11:22:04 1999
Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DICHLOROBENZENE-D4	16.28	150	45654	40.00	ug/ml	0.00
19) NAPHTHALENE-D8	20.43	136	116727	40.00	ug/ml	0.00
34) ACENAPHTHENE-D10	26.38	164	60343	40.00	ug/ml	-0.01
54) PHENANTHRENE-D10	31.47	188	107819	40.00	ug/ml	-0.02
74) CHRYSENE-D12	40.50	240	108215	40.00	ug/ml	-0.02
92) PERYLENE-D12	45.86	264	84337	40.00	ug/ml	0.00
System Monitoring Compounds						%Recovery
2) FLUOROPHENOL	12.69	112	6626	7.71	ug/ml	3.85%
4) PHENOL-D5	15.54	99	8464	6.58	ug/ml	3.29%
5) 2-CHLOROPHENOL-D4	15.78	132	6144	6.58	ug/ml	3.29%
12) 1,2-DICHLOROBENZENE-D4	16.79	150	2700	2.48	ug/ml	2.48%
20) NITROBENZENE-D5	18.28	82	5042	3.01	ug/ml	3.01%
38) FLUOROBIPHENYL	24.16	172	6080	3.05	ug/ml	3.05%
58) 2,4,6-TRIBROMOPHENOL	29.18	330	2315	5.22	ug/ml	2.61%
78) P-TERPHENYL-D14	36.96	244	8770	3.28	ug/ml	3.28%
Target Compounds						Qvalue
17) N-NITROSODIPROPYLAMINE	17.58	70	1780	~~1.60~~	~~ug/ml#~~	1
91) BIS(2-ETHYLHEXYL)PHTHALATE	40.57	149	8277	3.30	ug/ml#	97

wet wt = 5.153
Dry wt = 2.793
% moist = 45.8

2ml FV
1:10 DIL
mult = 7160.75904

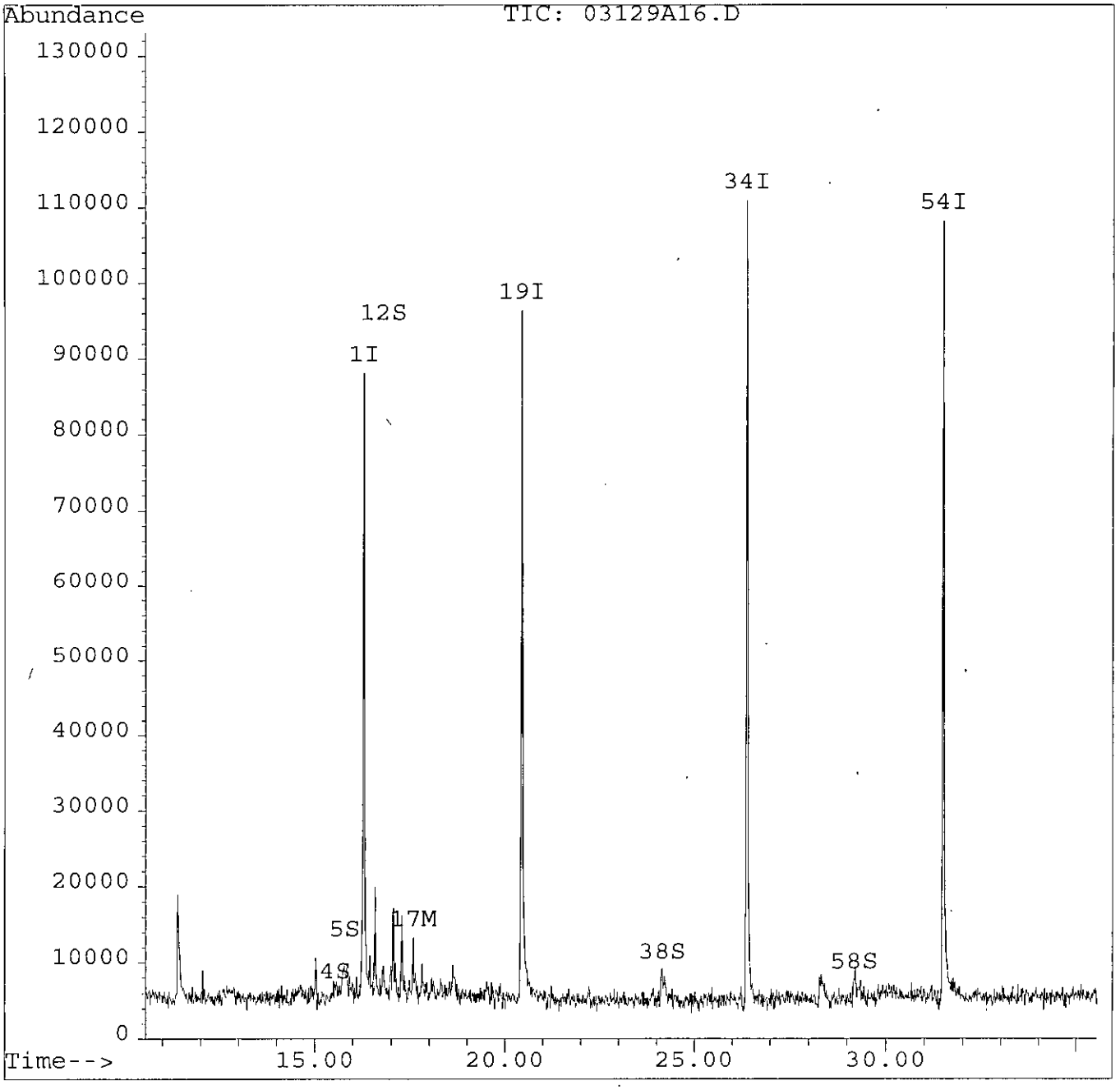
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : c:\hpchem\1\data\03129a16.d
Acq On : 13 Mar 99 3:54 pm
Sample : 67834 (1:10)
Misc : American Glue & Resin P#99187
Quant Time: Mar 14 9:18 1999

Vial: 16
Operator: ESAT
Inst : 5988
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\03129A02.M
Title : semivolatiles
Last Update : Sat Mar 13 11:22:04 1999
Response via : Single Level Calibration

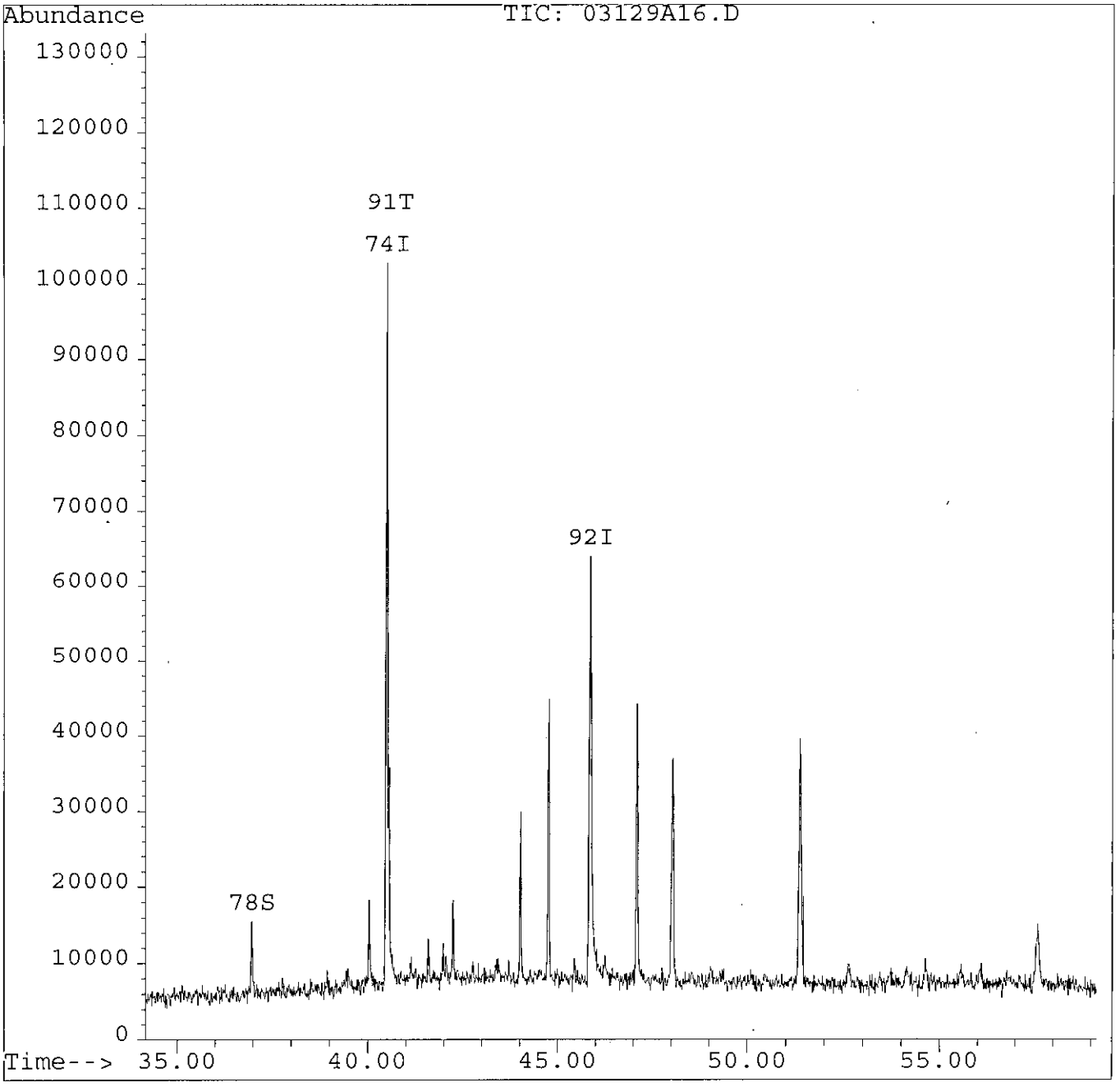


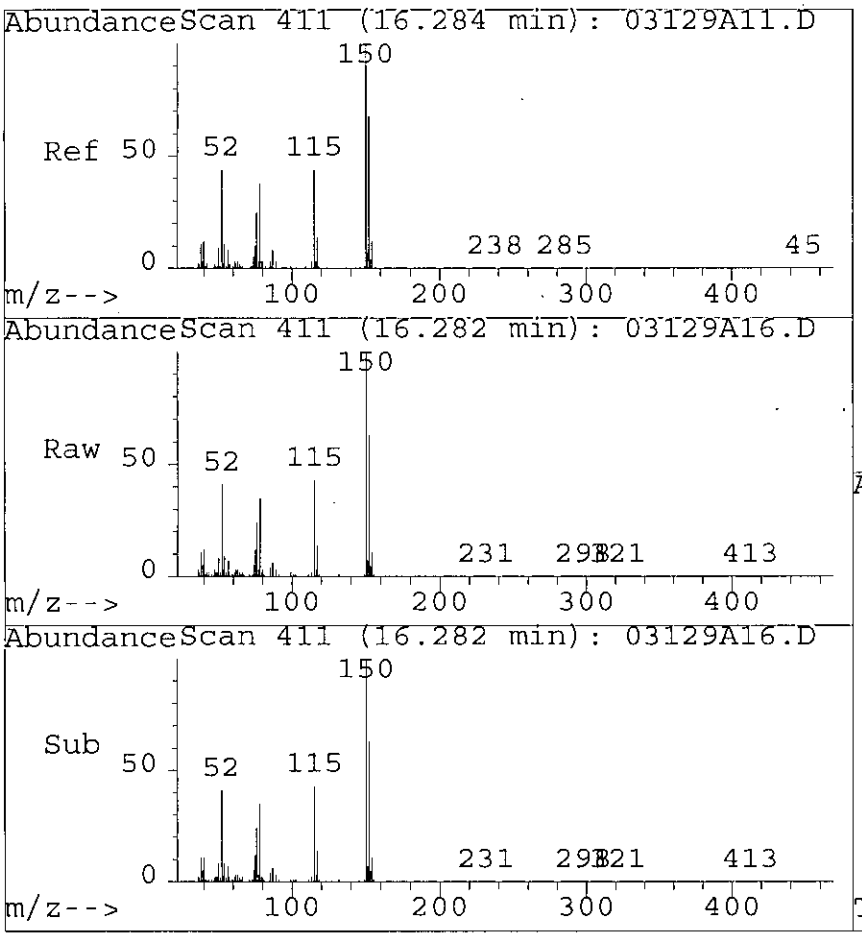
Quantitation Report

Data File : c:\hpchem\1\data\03129a16.d
Acq On : 13 Mar 99 3:54 pm
Sample : 67834 (1:10)
Misc : American Glue & Resin P#99187
Quant Time: Mar 14 9:18 1999

Vial: 16
Operator: ESAT
Inst : 5988
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\03129A02.M
Title : semivolatiles
Last Update : Sat Mar 13 11:22:04 1999
Response via : Single Level Calibration

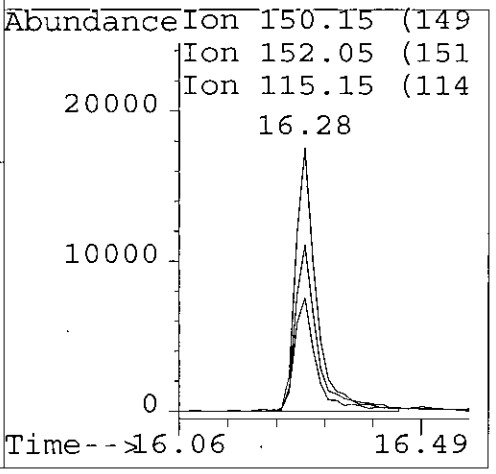


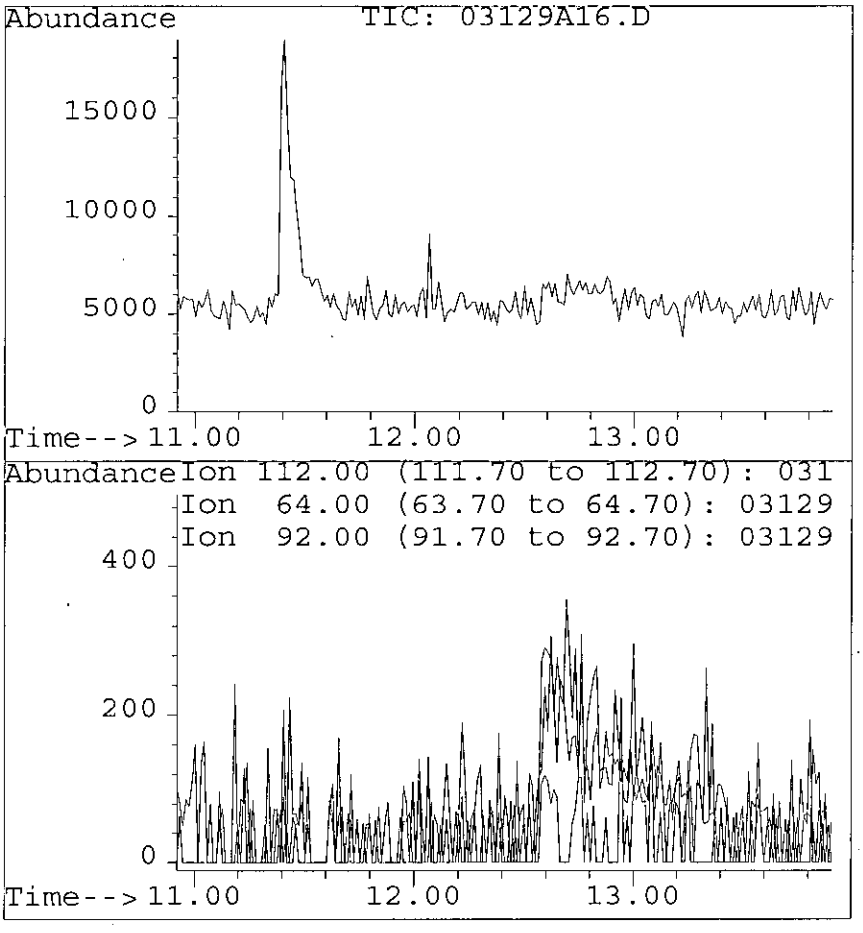


#1
1,4-DICHLOROBENZENE-D4
Concen: 40.00 ug/ml
RT: 16.28 min Scan# 411
Delta R.T. -0.00 min
Lab File: 03129a16.d
Acq: 13 Mar 99 3:54 pm

Tgt Ion:150.15 Resp: 45654

Ion	Ratio	Lower	Upper
150	100		
152	63.3	51.1	76.6
115	43.3	34.7	52.0
0	0.0	0.0	0.0



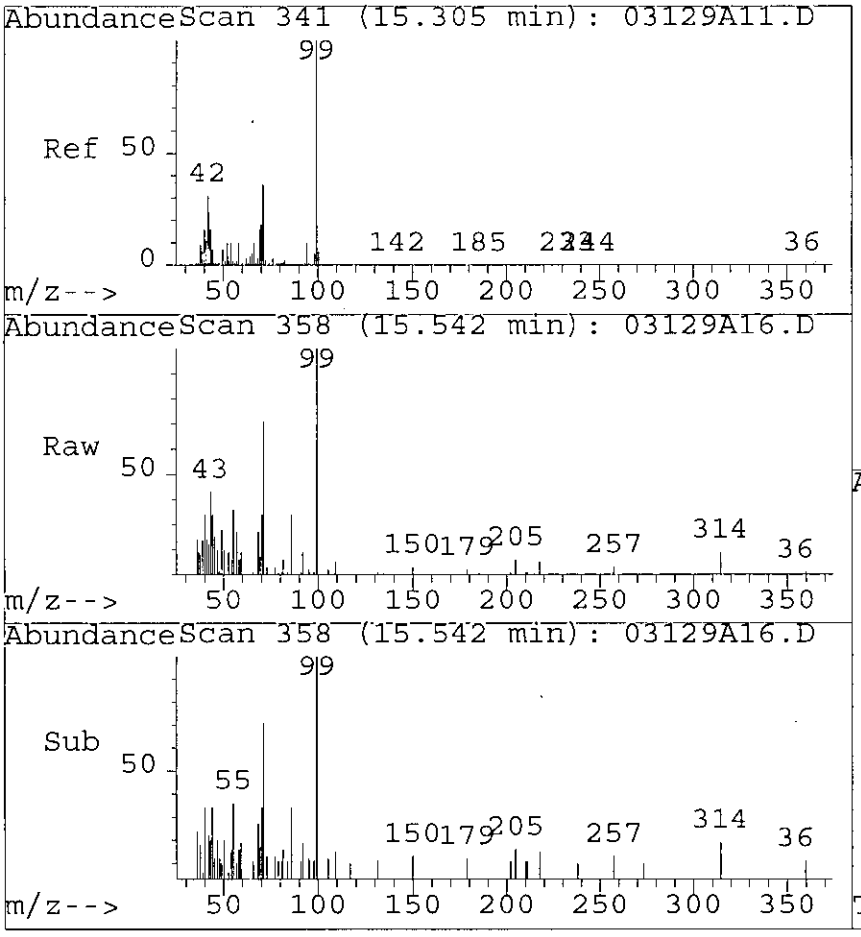


#2
FLUOROPHENOL
Concen: 0.00 ug/ml
Expected RT: 12.41 min

Lab File: 03129a16.d
Acq: 13 Mar 99 3:54 pm

Tgt Ion: 112

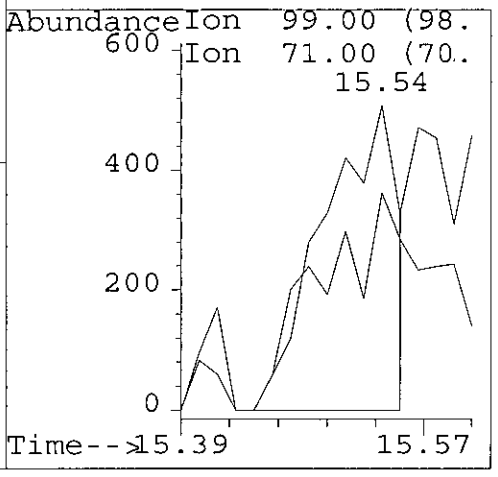
Ion	Exp Ratio
112	100
64	69.2
92	30.8
0	0.0

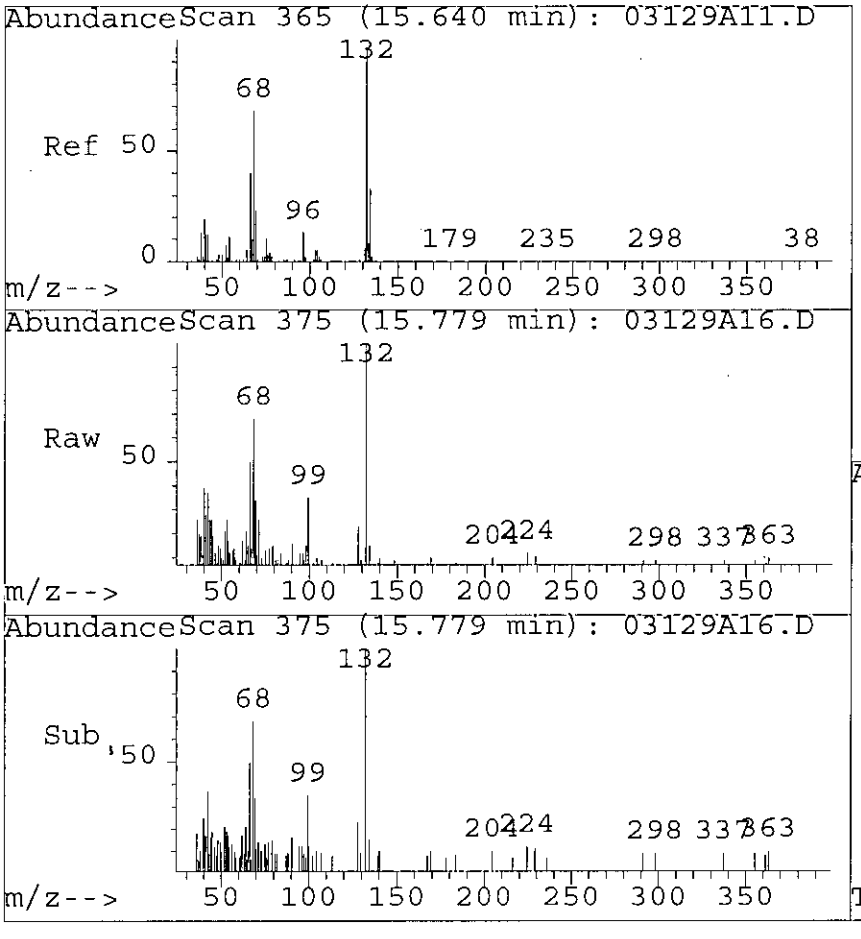


#4
PHENOL-D5
Concen: 1.58 ug/ml
RT: 15.54 min Scan# 358
Delta R.T. 0.24 min
Lab File: 03129a16.d
Acq: 13 Mar 99 3:54 pm

Tgt Ion:99 Resp: 2031

Ion	Ratio	Lower	Upper
99	100		
71	71.1	27.7	41.4#
0	0.0	0.0	0.0
0	0.0	0.0	0.0

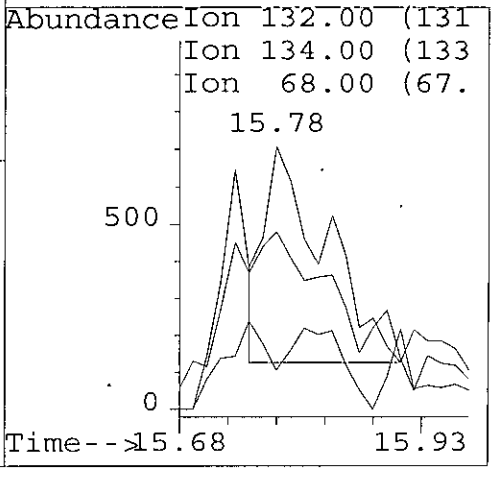


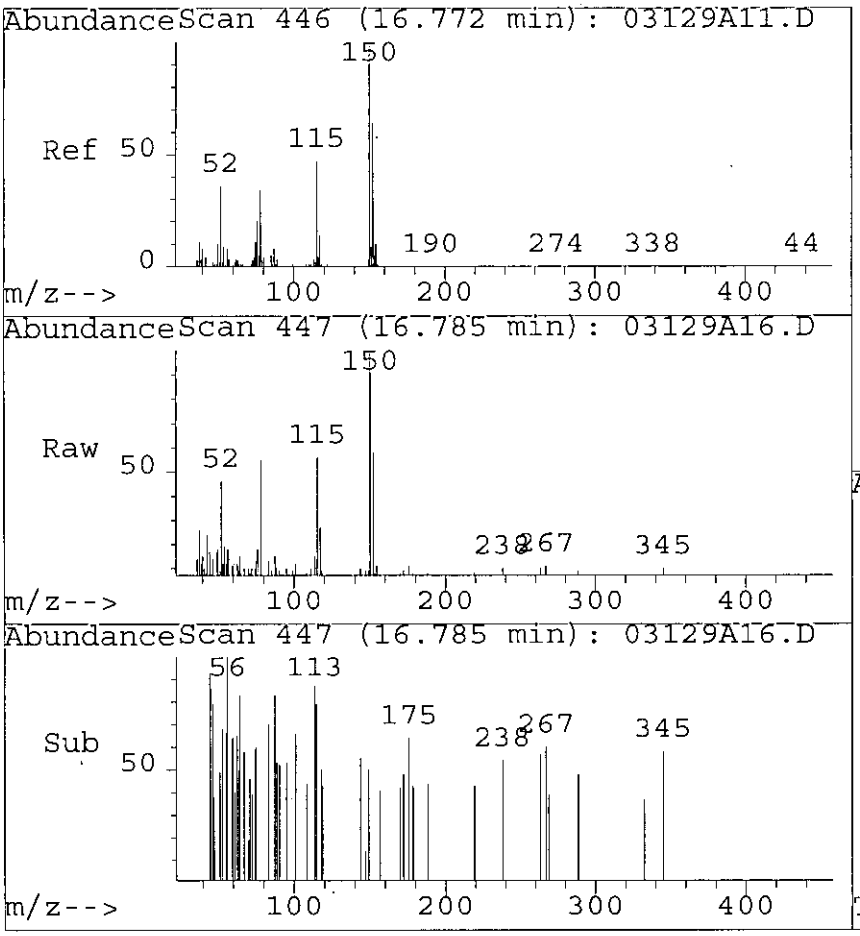


#5
2-CHLOROPHENOL-D4
Concen: 2.64 ug/ml
RT: 15.78 min Scan# 375
Delta R.T. 0.14 min
Lab File: 03129a16.d
Acq: 13 Mar 99 3:54 pm

Tgt Ion:132 Resp: 2470

Ion	Ratio	Lower	Upper
132	100		
134	15.0	24.0	35.9#
68	67.7	40.0	59.9#
0	0.0	0.0	0.0

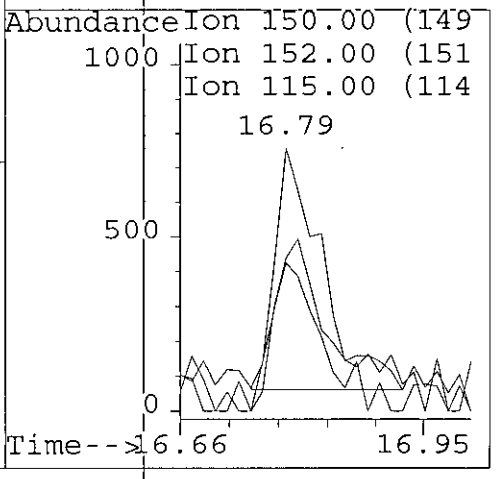


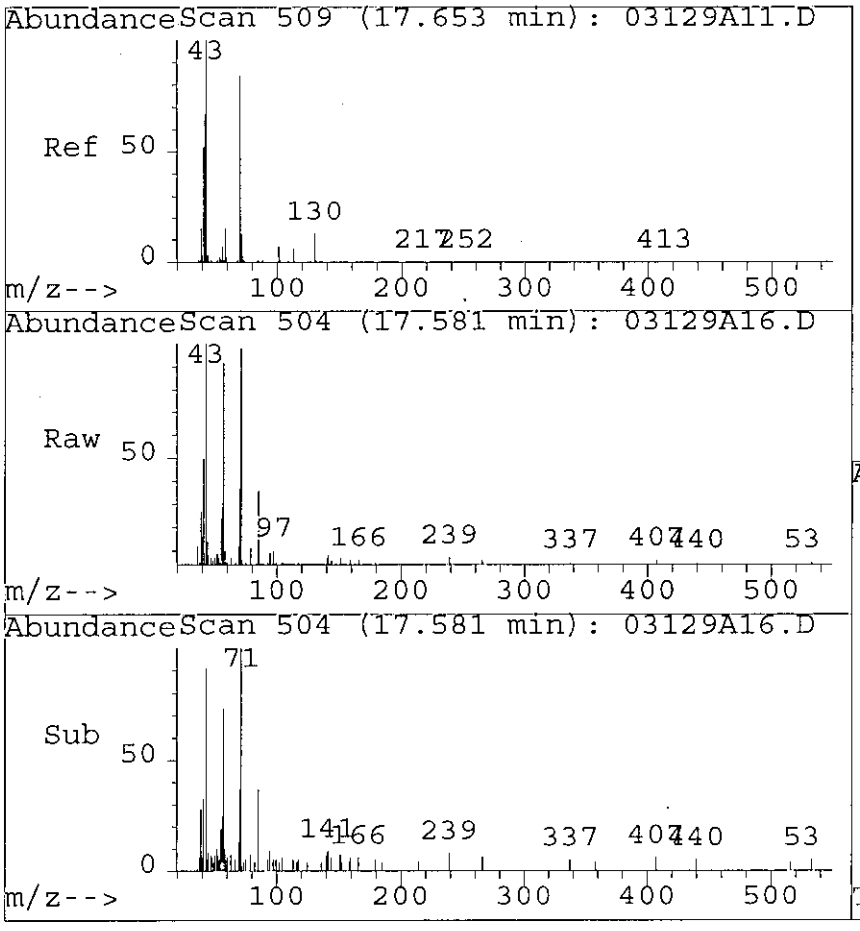


#12
1,2-DICHLOROBENZENE-D4
Concen: 2.48 ug/ml
RT: 16.79 min Scan# 447
Delta R.T. 0.01 min
Lab File: 03129a16.d
Acq: 13 Mar 99 3:54 pm

Tgt Ion:150 Resp: 2700

Ion	Ratio	Lower	Upper
150	100		
152	58.0	52.2	78.3
115	56.1	37.8	56.7
0	0.0	0.0	0.0

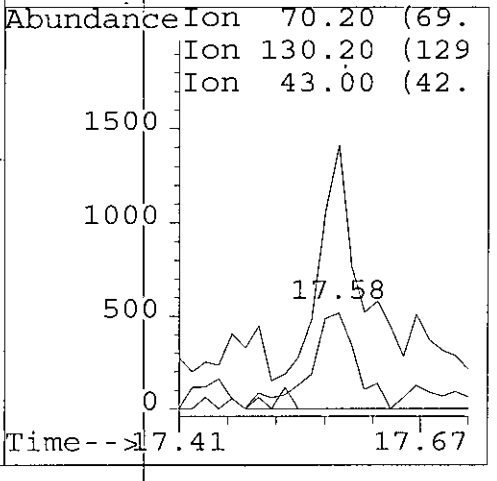


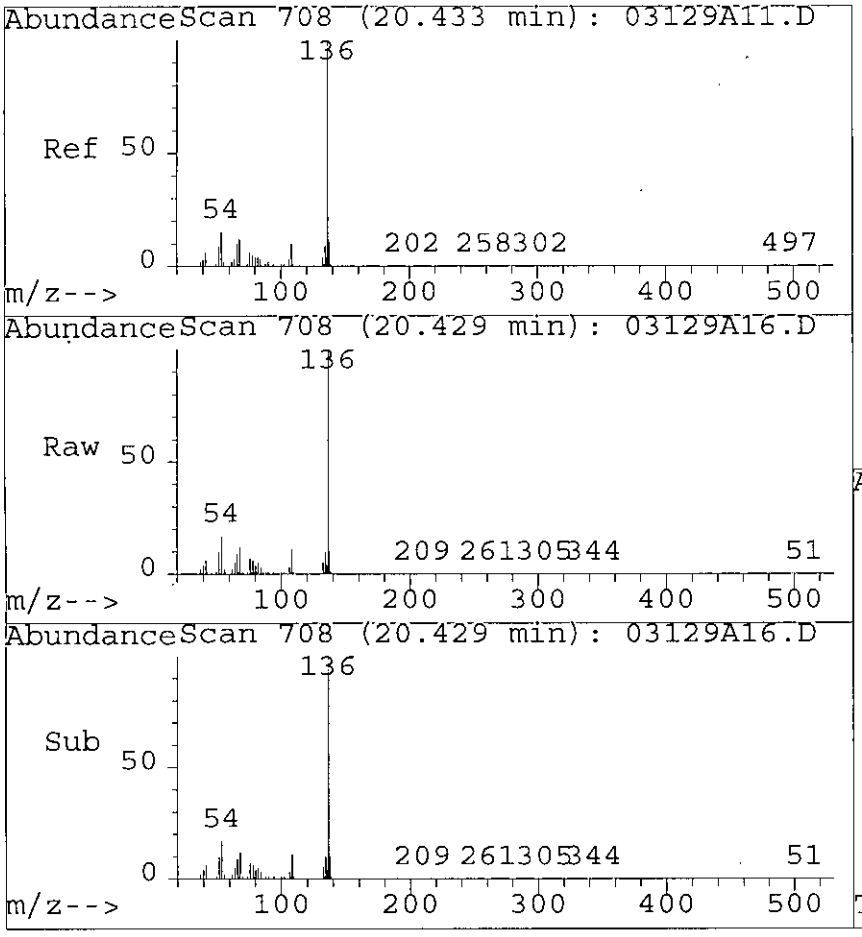


#17
N-NITROSODIPROPYLAMINE
Concen: 1.60 ug/ml
RT: 17.58 min Scan# 504
Delta R.T. -0.07 min
Lab File: 03129a16.d
Acq: 13 Mar 99 3:54 pm

Tgt Ion:70.2 Resp: 1780

Ion	Ratio	Lower	Upper
70	100		
130	0.0	13.0	19.5#
43	273.4	73.0	109.5#
0	0.0	0.0	0.0

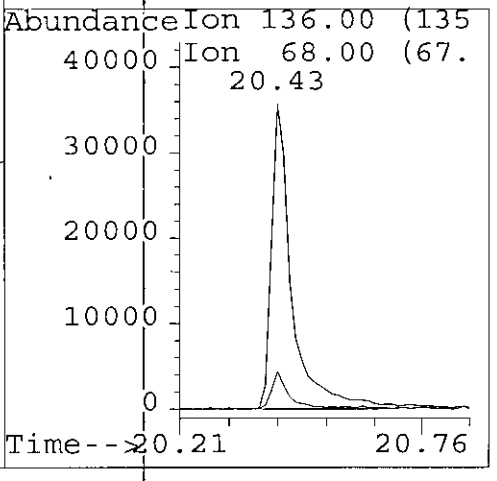


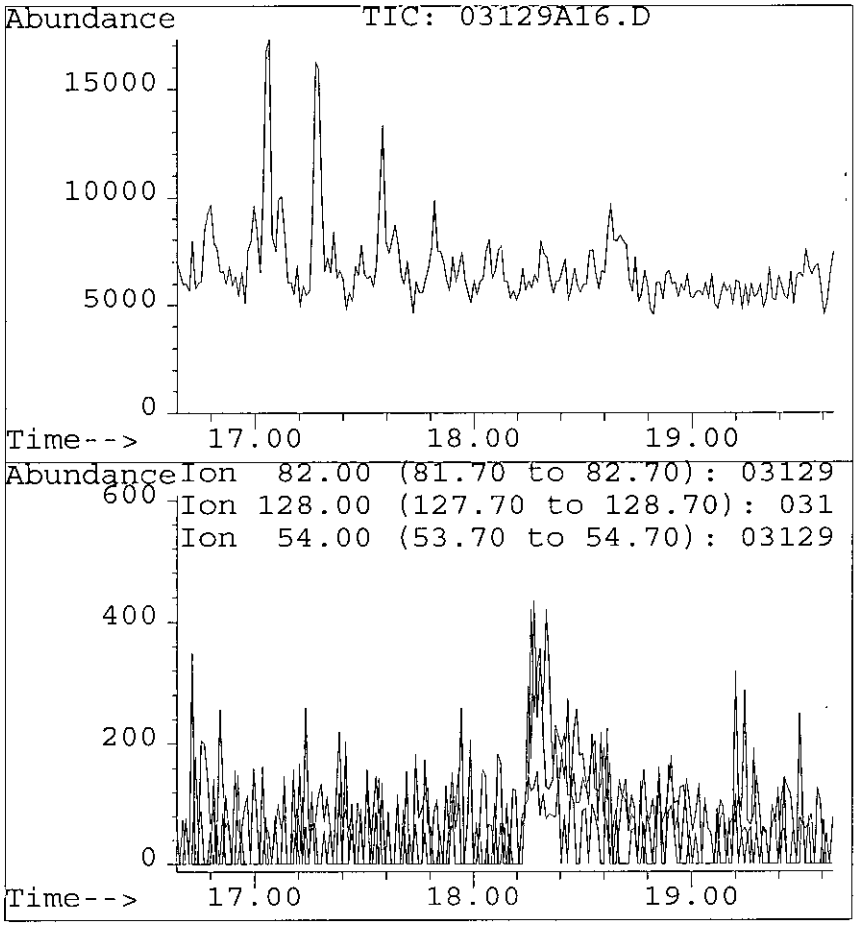


#19
NAPHTHALENE-D8
Concen: 40.00 ug/ml
RT: 20.43 min Scan# 708
Delta R.T. -0.00 min
Lab File: 03129a16.d
Acq: 13 Mar 99 3:54 pm

Tgt Ion:136 Resp: 116727

Ion	Ratio	Lower	Upper
136	100		
68	12.3	6.0	8.9#
0	0.0	0.0	0.0
0	0.0	0.0	0.0



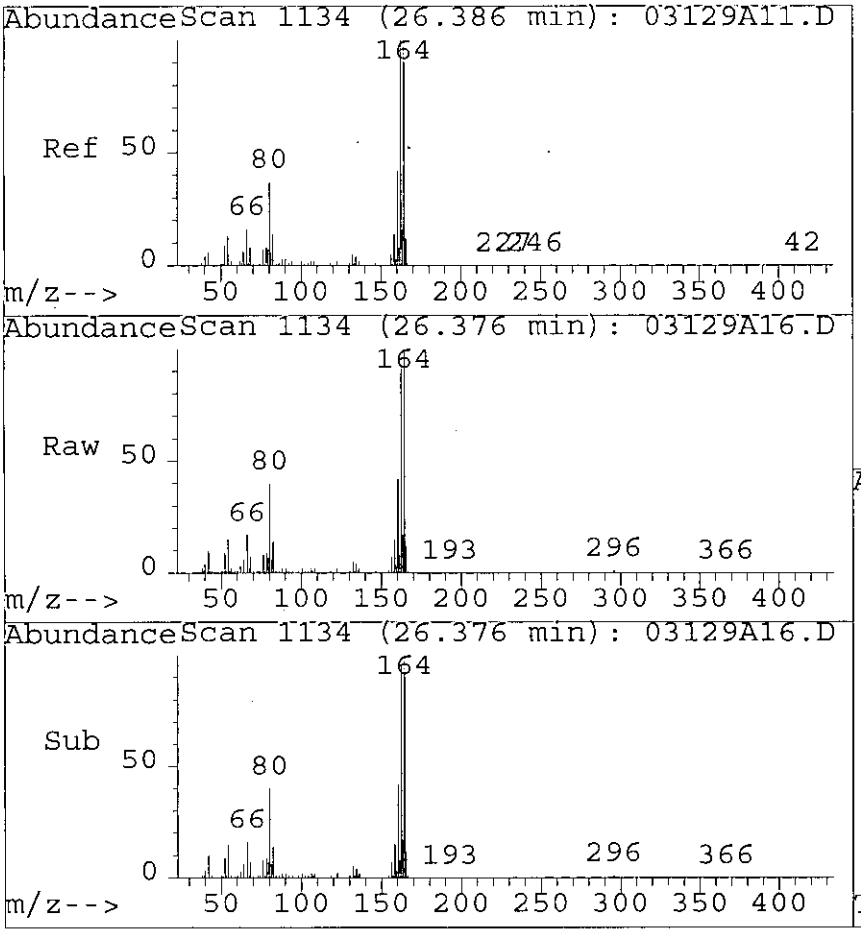


#20
NITROBENZENE-D5
Concen: 0.00 ug/ml
Expected RT: 18.14 min

Lab File: 03129a16.d
Acq: 13 Mar 99 3:54 pm

Tgt Ion: 82

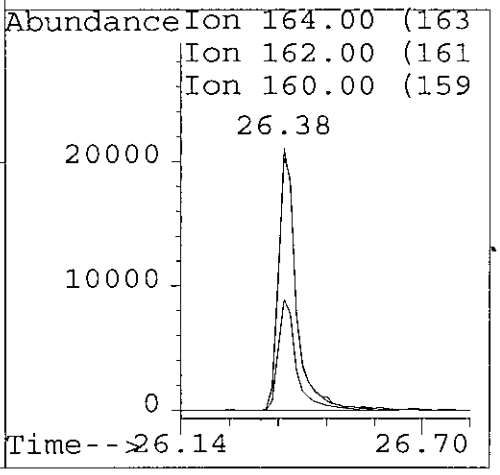
Ion	Exp Ratio
82	100
128	42.9
54	53.6
0	0.0

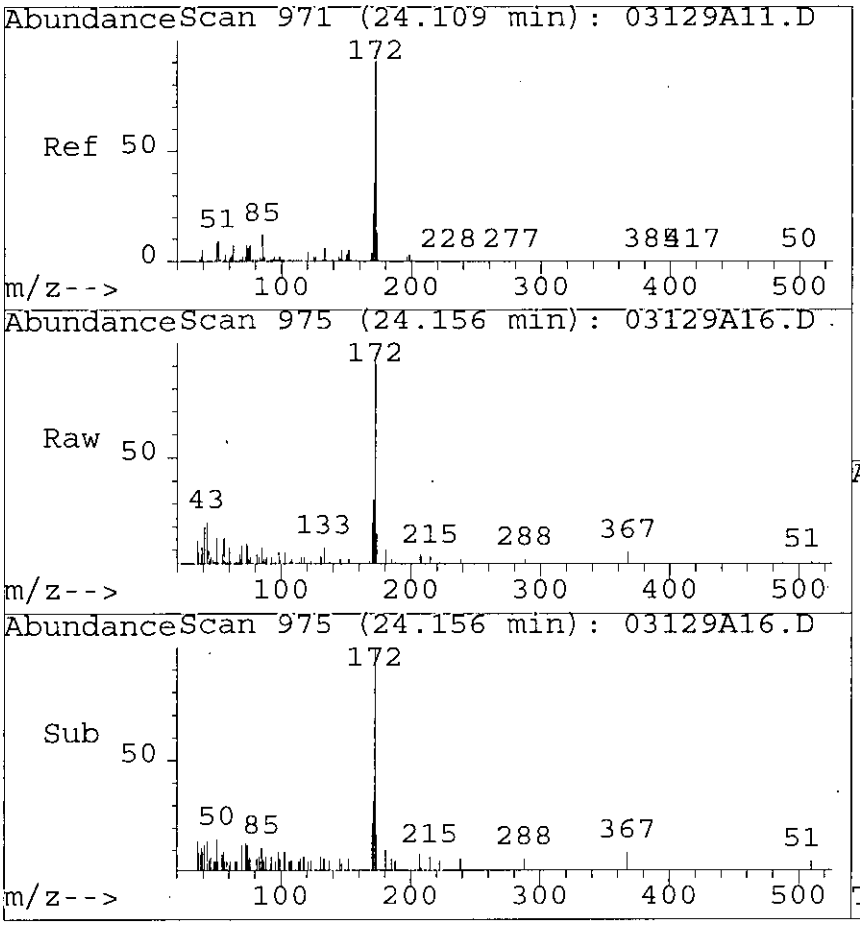


#34
ACENAPHTHENE-D10
Concen: 40.00 ug/ml
RT: 26.38 min Scan# 1134
Delta R.T. -0.01 min
Lab File: 03129a16.d
Acq: 13 Mar 99 3:54 pm

Tgt Ion:164 Resp: 60343

Ion	Ratio	Lower	Upper
164	100		
162	96.1	82.3	123.4
160	42.4	33.6	50.3
0	0.0	0.0	0.0

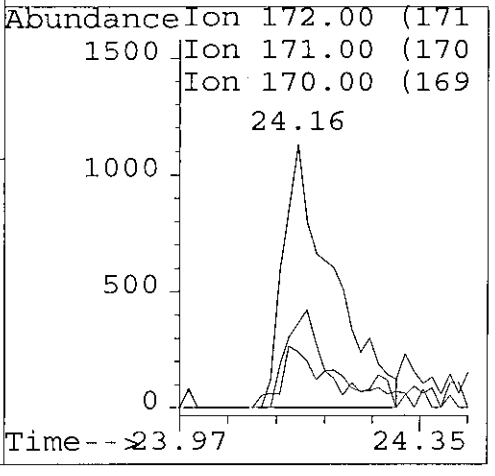


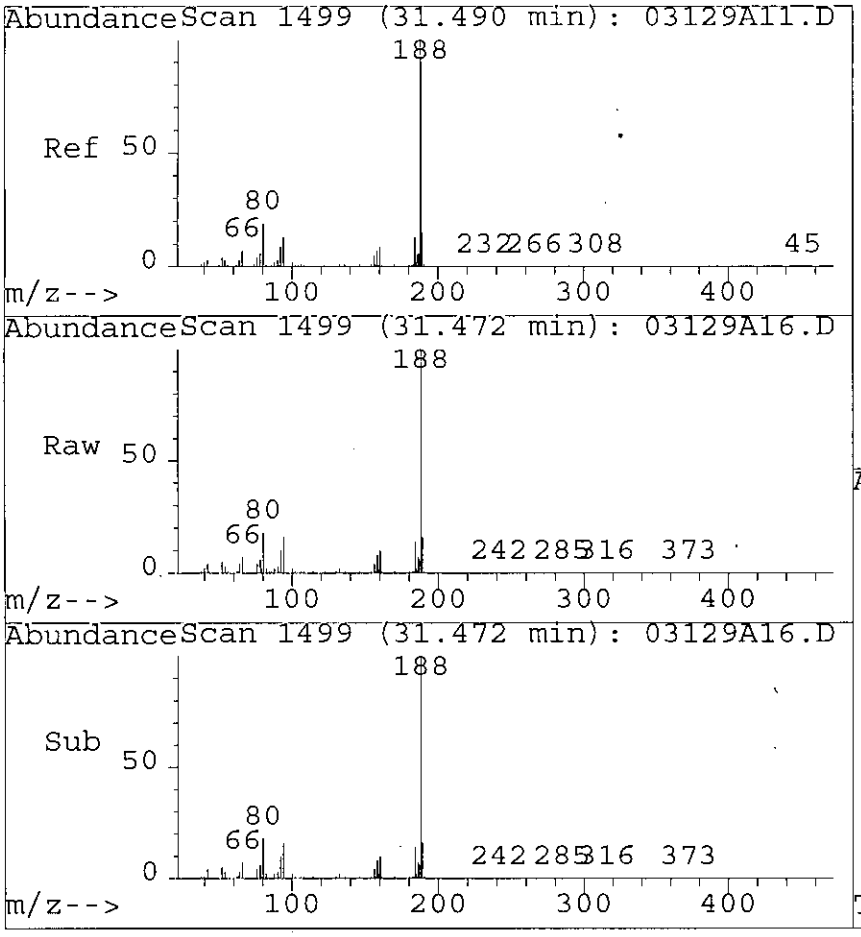


#38
FLUOROBIPHENYL
Concen: 3.05 ug/ml
RT: 24.16 min Scan# 975
Delta R.T. 0.05 min
Lab File: 03129a16.d
Acq: 13 Mar 99 3:54 pm

Tgt Ion:172 Resp: 6080

Ion	Ratio	Lower	Upper
172	100		
171	32.2	30.5	45.8
170	21.5	18.4	27.5
0	0.0	0.0	0.0

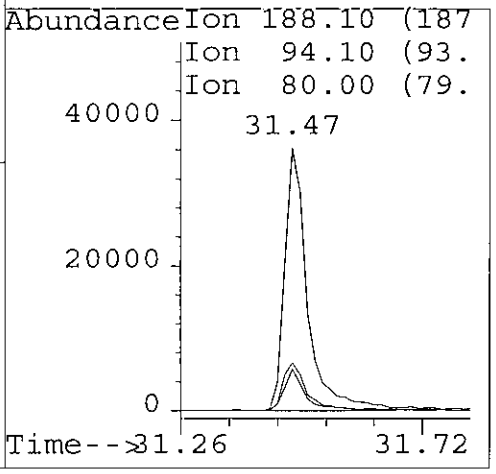


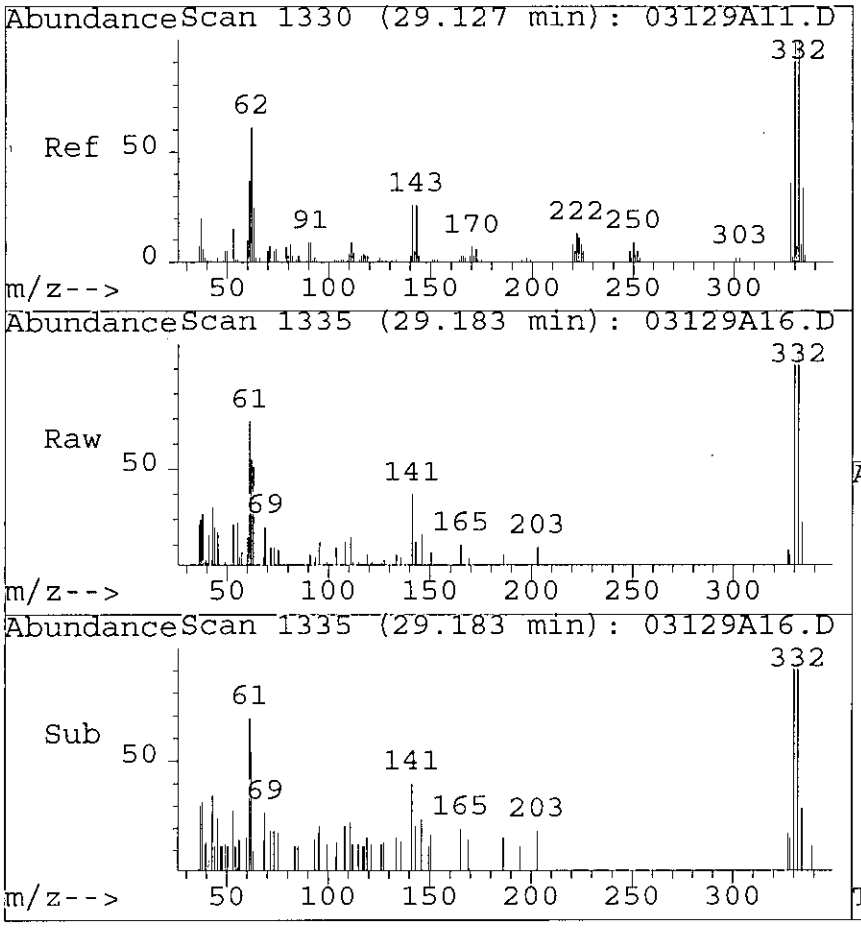


#54
PHENANTHRENE-D10
Concen: 40.00 ug/ml
RT: 31.47 min Scan# 1499
Delta R.T. -0.02 min
Lab File: 03129a16.d
Acq: 13 Mar 99 3:54 pm

Tgt Ion:188.1 Resp: 107819

Ion	Ratio	Lower	Upper
188	100		
94	15.9	11.6	17.3
80	18.3	13.7	20.5
0	0.0	0.0	0.0

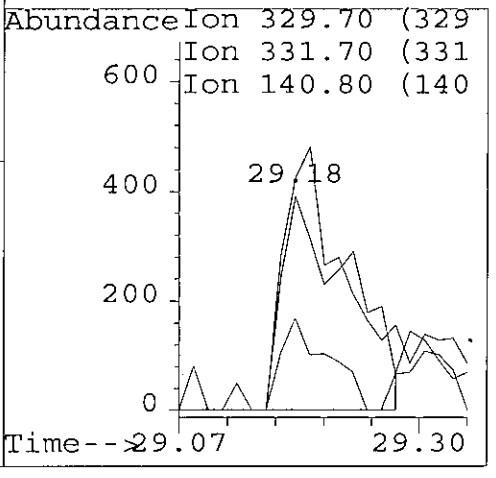


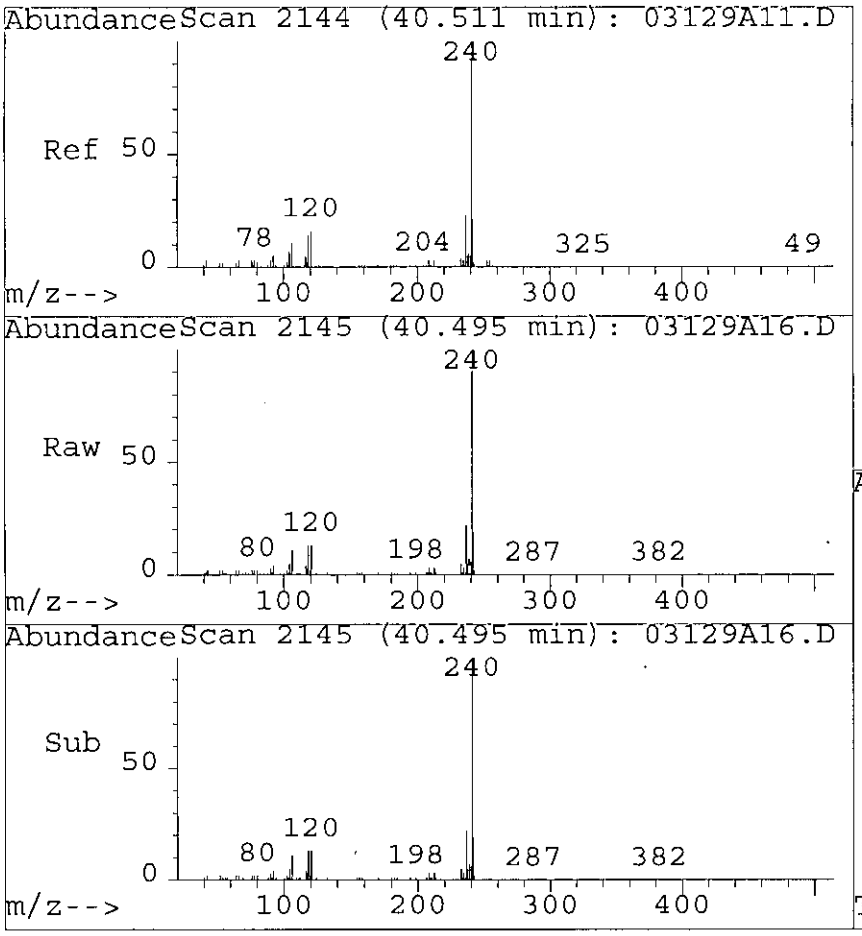


#58
2,4,6-TRIBROMOPHENOL
Concen: 4.09 ug/ml
RT: 29.18 min Scan# 1335
Delta R.T. 0.06 min
Lab File: 03129a16.d
Acq: 13 Mar 99 3:54 pm

Tgt Ion:329.7 Resp: 1812

Ion	Ratio	Lower	Upper
330	100		
332	109.0	69.7	104.5#
141	43.2	30.9	46.4
0	0.0	0.0	0.0

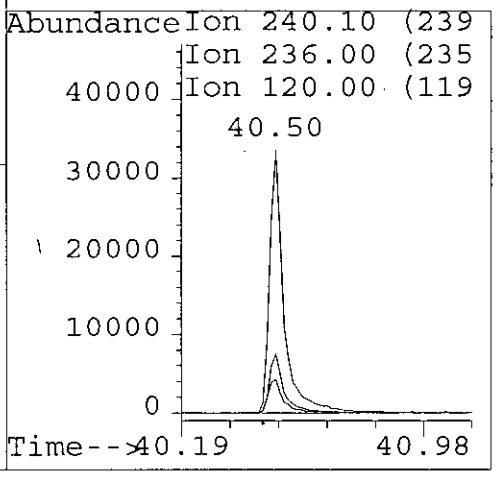


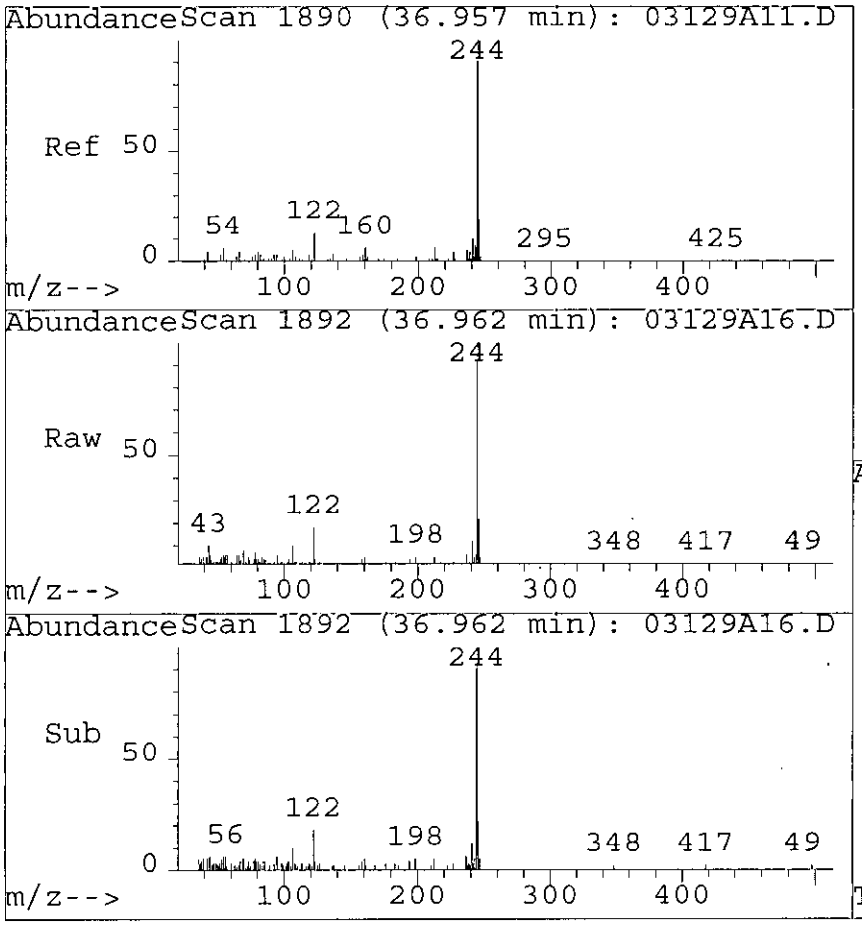


#74
CHRYSENE-D12
Concen: 40.00 ug/ml
RT: 40.50 min Scan# 2145
Delta R.T. -0.02 min
Lab File: 03129a16.d
Acq: 13 Mar 99 3:54 pm

Tgt Ion:240.1 Resp: 108215

Ion	Ratio	Lower	Upper
240	100		
236	22.5	20.6	30.9
120	12.7	17.5	26.2#
0	0.0	0.0	0.0

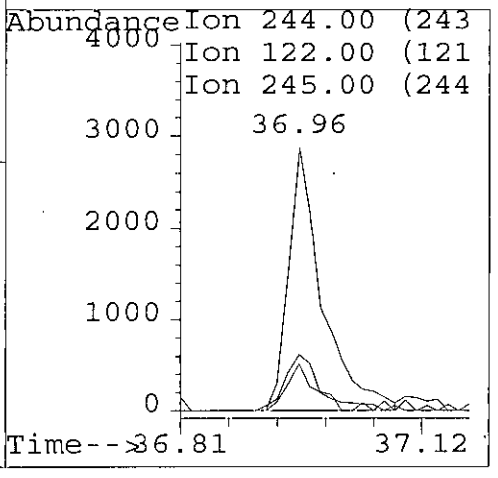


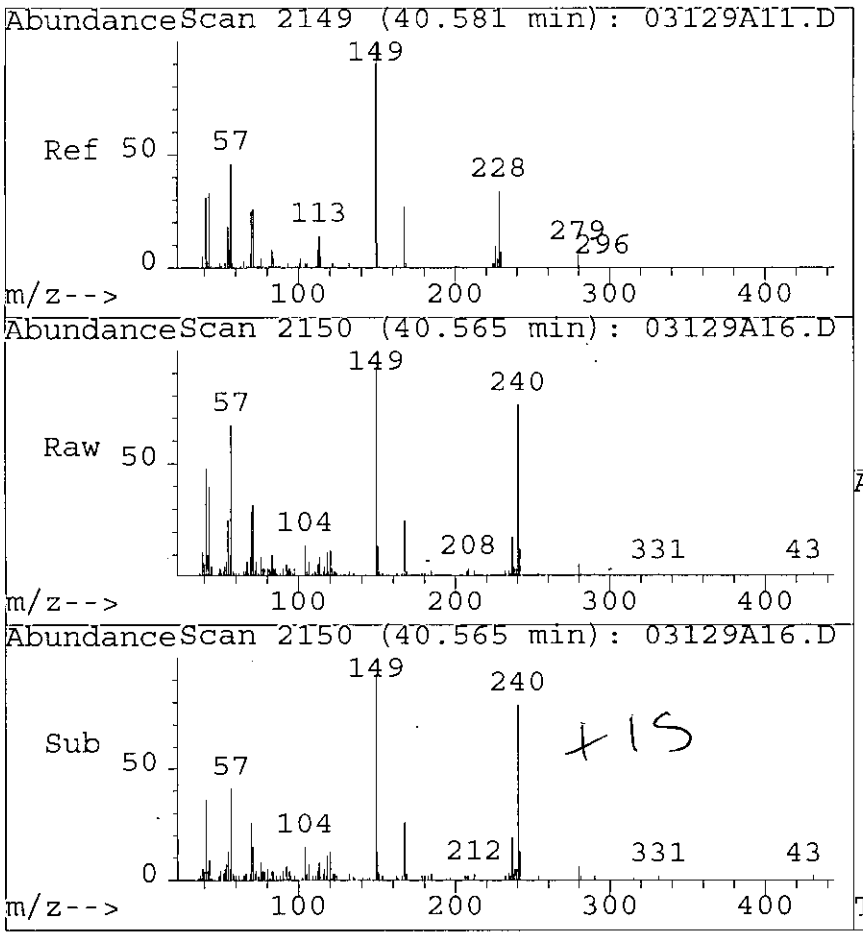


#78
P-TERPHENYL-D14
Concen: 3.28 ug/ml
RT: 36.96 min Scan# 1892
Delta R.T. 0.00 min
Lab File: 03129a16.d
Acq: 13 Mar 99 3:54 pm

Tgt Ion:244 Resp: 8770

Ion	Ratio	Lower	Upper
244	100		
122	18.0	15.3	23.0
245	21.7	15.6	23.3
0	0.0	0.0	0.0

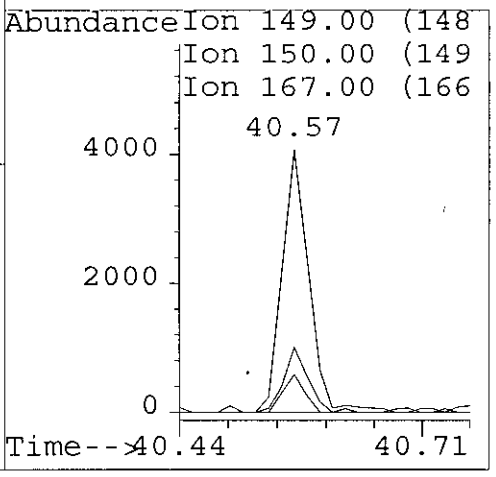


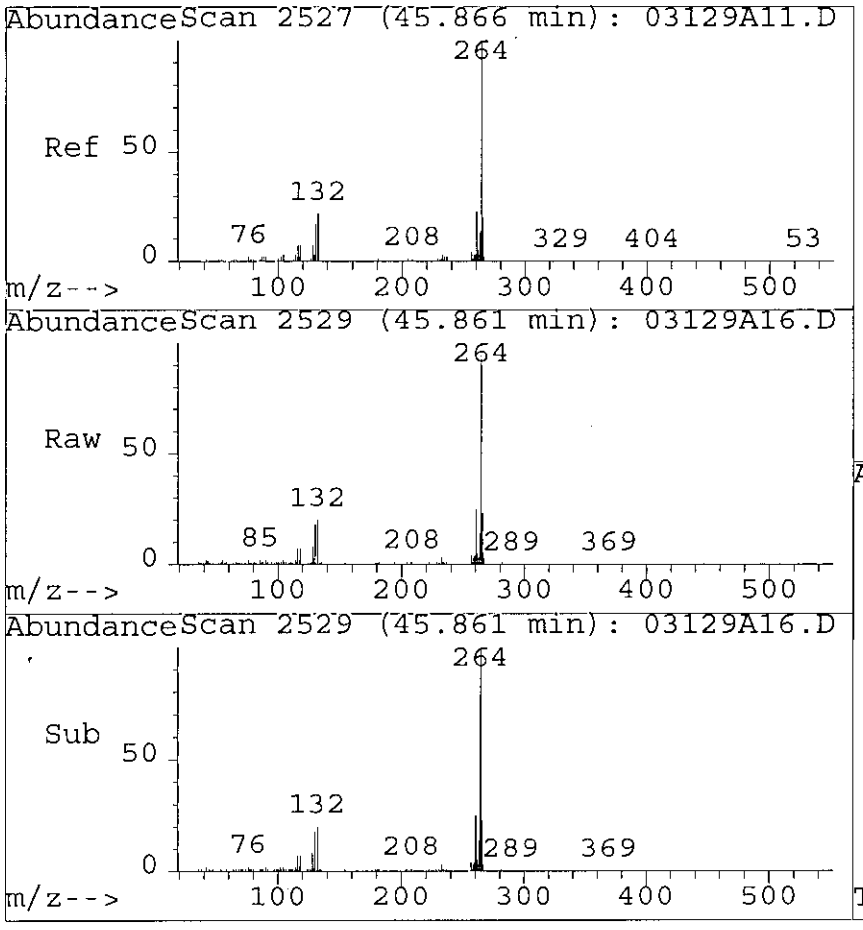


#91
BIS(2-ETHYLHEXYL)PHTHALATE
Concen: 3.30 ug/ml
RT: 40.57 min Scan# 2150
Delta R.T. -0.02 min
Lab File: 03129a16.d
Acq: 13 Mar 99 3:54 pm

Tgt Ion:149 Resp: 8277

Ion	Ratio	Lower	Upper
149	100		
150	14.4	9.5	14.2#
167	24.7	20.5	30.7
0	0.0	0.0	0.0

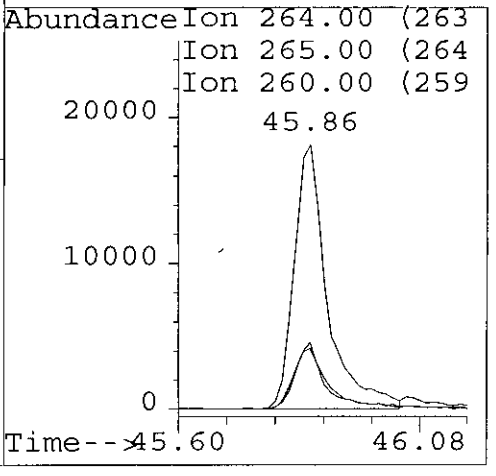




#92
PERYLENE-D12
Concen: 40.00 ug/ml
RT: 45.86 min Scan# 2529
Delta R.T. -0.01 min
Lab File: 03129a16.d
Acq: 13 Mar 99 3:54 pm

Tgt Ion:264 Resp: 84337

Ion	Ratio	Lower	Upper
264	100		
265	23.2	17.1	25.6
260	25.4	19.3	28.9
0	0.0	0.0	0.0



TIC: 03129A16.D

67834 (1:10)

Peak#	Ret Time	Type	Width	Area	Start Time	End Time
1	10.752	rBV	0.126	10044	10.683	10.808
2	11.409	rBV	0.293	72357	11.325	11.618
3	12.609	rBV	0.126	11124-S	12.554	12.679
4	15.025	rVB	0.098	21689	14.969	15.067
5	15.779	rBV	0.140	21033-S	15.682	15.821
6	16.101	rBV	0.112	10312	16.031	16.143
7	16.282	rBV	0.280	241952-IS	16.143	16.422
8	16.576	rBV	0.139	34976	16.534	16.673
9	16.799	rVB	0.126	12193-S	16.744	16.869
10	16.995	rBV	0.070	12260	16.953	17.023
11	17.064	rVV	0.070	27201	17.023	17.093
12	17.120	rVB	0.084	10657	17.093	17.176
13	17.274	rBV	0.112	28065	17.232	17.344
14	17.581	rBV	0.070	13757	17.539	17.609
15	17.818	rBV	0.168	21674	17.721	17.888
16	18.628	rBV	0.084	10608	18.572	18.656
17	19.759	rBV	0.098	11089	19.731	19.829
18	19.885	rVB	0.112	12925	19.829	19.940
19	20.429	rBV	0.391	297197-IS	20.303	20.694
20	22.216	rVB	0.139	11016	22.160	22.299
21	23.919	rVB	0.168	11069	23.793	23.961
22	24.142	rBV	0.098	18917-S	24.086	24.184
23	26.236	rVB	0.140	12574	26.153	26.292
24	26.376	rBV	0.209	314298-IS	26.292	26.502
25	28.289	rBV	0.070	10684	28.247	28.317
26	29.211	rBV	0.140	18887-S	29.113	29.253
27	31.472	rBV	0.308	333252-IS	31.375	31.682
28	33.679	rBV	0.140	11094	33.638	33.777
29	34.923	rBV	0.126	10322	34.825	34.951
30	36.962	rVB	0.126	28376-S	36.920	37.046
31	38.945	rBV	0.126	14247	38.861	38.987
32	40.048	rVB	0.154	28126	39.992	40.146
33	40.495	rBV	0.322	364331-IS	40.411	40.733
34	41.600	rVB	0.112	13977	41.558	41.669
35	41.991	rBV	0.098	11836	41.935	42.032
36	42.060	rVB	0.126	11901	42.032	42.158
37	42.256	rBV	0.153	32387	42.158	42.312
38	44.016	rVB	0.237	62581	43.946	44.183
39	44.756	rBV	0.140	96131	44.687	44.826
40	44.994	rVB	0.112	10877	44.924	45.036
41	45.441	rBV	0.112	18128	45.385	45.497
42	45.861	rBV	0.280	278863-IS	45.777	46.057
43	46.253	rVB	0.154	18548	46.211	46.364
44	47.091	rBV	0.182	129041	47.021	47.203
45	48.041	rVB	0.182	120612	47.957	48.139
46	49.033	rBV	0.126	12378	48.963	49.089
47	51.379	rBV	0.168	138913	51.281	51.449
48	52.636	rVB	0.126	15241	52.594	52.720
49	53.740	rBV	0.196	12356	53.600	53.796
50	54.145	rBV	0.168	14008	54.061	54.229
51	54.634	rVB	0.182	22173	54.550	54.732
52	55.570	rVB	0.168	12820	55.500	55.667
53	56.687	rBV	0.098	11531	56.645	56.743
54	57.092	rVB	0.168	12122	57.064	57.232
55	57.595	rBV	0.266	67138	57.441	57.707

Library Search Compound Report

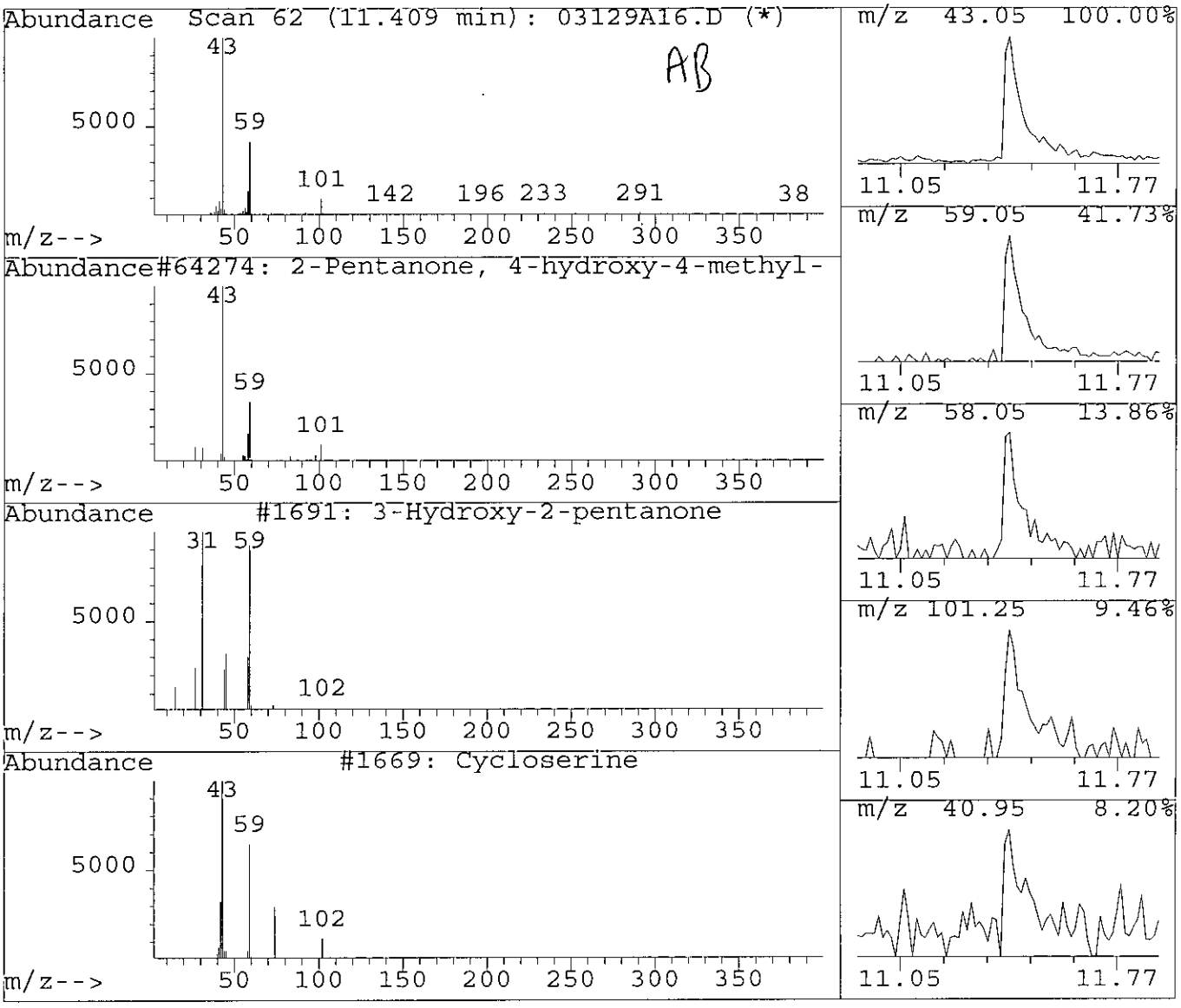
Data File : C:\HPCHEM\1\DATA\03129A16.D
Acq On : 13 Mar 99 3:54 pm
Sample : 67834 (1:10)
Misc : American Glue & Resin P#99187

Vial: 16
Operator: ESAT
Inst : 5988
Multiplr: 7160.76

Method : C:\HPCHEM\1\METHODS\03129A02.M
Title : semivolatiles
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	R.T.
11.41	88675.90 ug/ml	72357	1,4-DICHLOROBENZENE-D4	16.28

Hit# of 20	Tentative ID	Ref#	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	64274	000123-42-2	59
2	3-Hydroxy-2-pentanone	1691	003142-66-3	40
3	Cycloserine	1669	000068-41-7	25
4	2-Propanone, 1-(1-methylethoxy)-	3286	042781-12-4	9
5	Propanal, 2-hydroxy-2-methyl-	805	020818-81-9	9



Library Search Compound Report

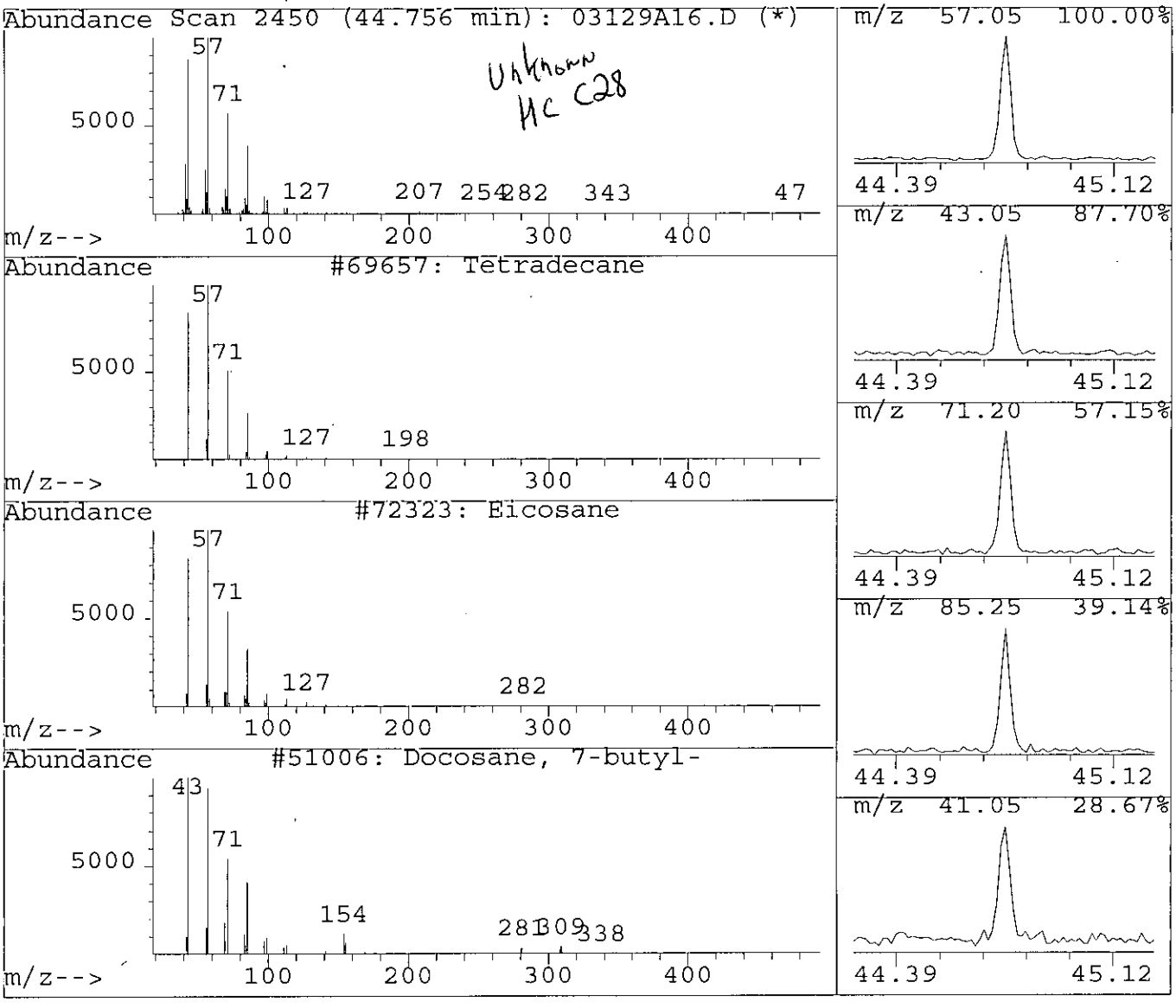
Data File : C:\HPCHEM\1\DATA\03129A16.D
Acq On : 13 Mar 99 3:54 pm
Sample : 67834 (1:10)
Misc : American Glue & Resin P#99187

Vial: 16
Operator: ESAT
Inst : 5988
Multiplr: 7160.76

Method : C:\HPCHEM\1\METHODS\03129A02.M
Title : semivolatiles
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	R.T.
44.76	98739.66 ug/ml	96131	PERYLENE-D12	45.86

Hit# of 20	Tentative ID	Ref#	CAS#	Qual
1	Tetradecane	69657	000629-59-4	91
2	Eicosane	72323	000112-95-8	87
3	Docosane, 7-butyl-	51006	055282-15-0	83
4	Eicosane, 10-methyl-	42197	054833-23-7	72
5	Tetracosane	73543	000646-31-1	72



Library Search Compound Report

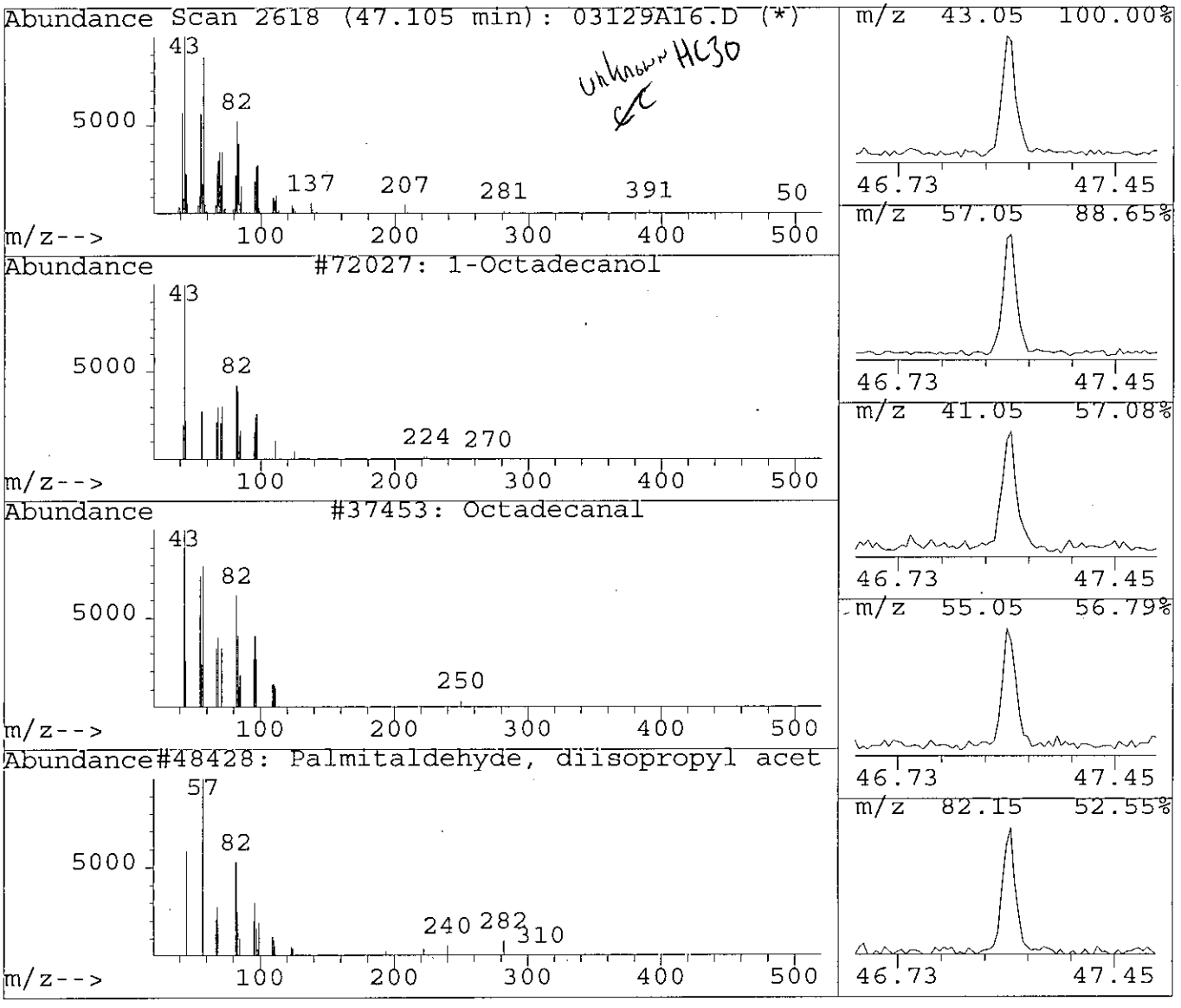
Data File : C:\HPCHEM\1\DATA\03129A16.D
Acq On : 13 Mar 99 3:54 pm
Sample : 67834 (1:10)
Misc : American Glue & Resin P#99187

Vial: 16
Operator: ESAT
Inst : 5988
Multiplr: 7160.76

Method : C:\HPCHEM\1\METHODS\03129A02.M
Title : semivolatiles
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	R.T.
47.09	132542.72 ug/ml	129041	PERYLENE-D12	45.86

Hit# of 20	Tentative ID	Ref#	CAS#	Qual
1	1-Octadecanol	72027	000112-92-5	86
2	Octadecanal	37453	000638-66-4	68
3	Palmitaldehyde, diisopropyl acetal	48428	018302-66-4	64
4	17-Octadecenal	37041	056554-86-0	64
5	16-Octadecenal	37043	056554-87-1	59



Library Search Compound Report

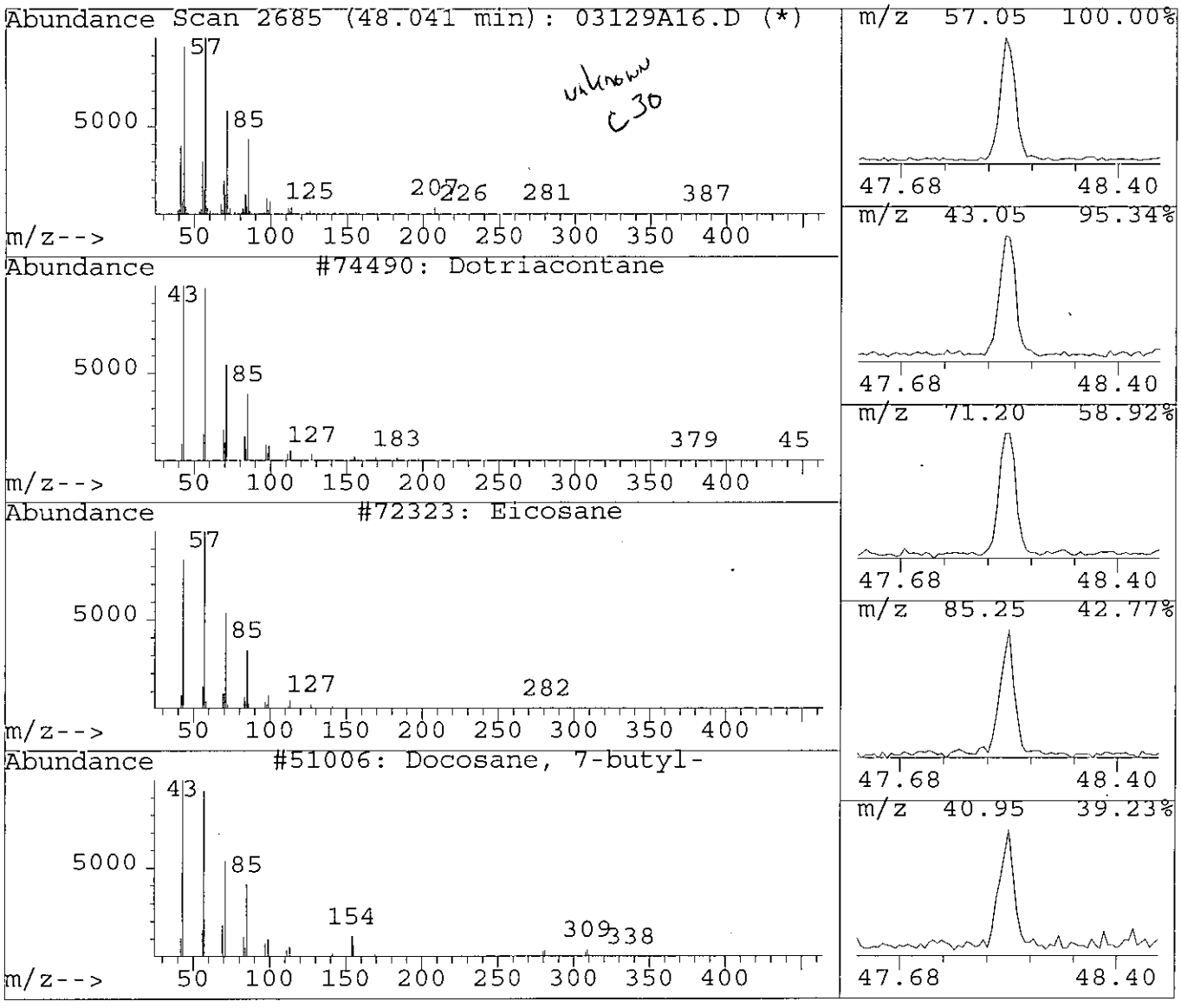
Data File : C:\HPCHEM\1\DATA\03129A16.D
Acq On : 13 Mar 99 3:54 pm
Sample : 67834 (1:10)
Misc : American Glue & Resin P#99187

Vial: 16
Operator: ESAT
Inst : 5988
Multiplr: 7160.76

Method : C:\HPCHEM\1\METHODS\03129A02.M
Title : semivolatiles
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	R.T.
48.04	123884.99 ug/ml	120612	PERYLENE-D12	45.86

Hit# of 20	Tentative ID	Ref#	CAS#	Qual
1	Dotriacontane	74490	000544-85-4	87
2	Eicosane	72323	000112-95-8	80
3	Docosane, 7-butyl-	51006	055282-15-0	80
4	Undecane, 2,3-dimethyl-	18990	017312-77-5	80
5	Pentadecane	70274	000629-62-9	72



Library Search Compound Report

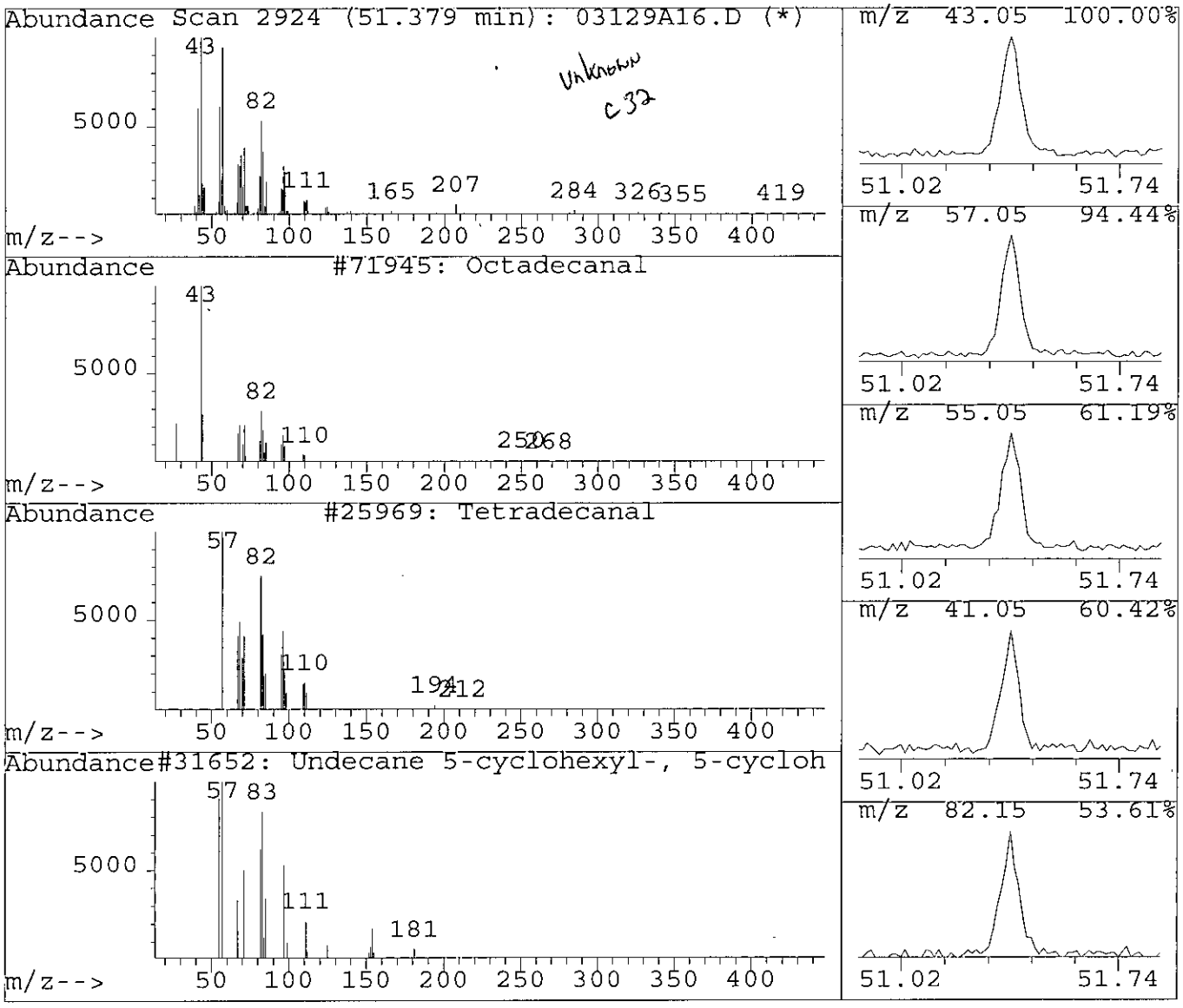
Data File : C:\HPCHEM\1\DATA\03129A16.D
Acq On : 13 Mar 99 3:54 pm
Sample : 67834 (1:10)
Misc : American Glue & Resin P#99187

Vial: 16
Operator: ESAT
Inst : 5988
Multiplr: 7160.76

Method : C:\HPCHEM\1\METHODS\03129A02.M
Title : semivolatiles
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	R.T.
51.38	142682.61 ug/ml	138913	PERYLENE-D12	45.86

Hit# of 20	Tentative ID	Ref#	CAS#	Qual
1	Octadecanal	71945	000638-66-4	80
2	Tetradecanal	25969	000124-25-4	59
3	Undecane 5-cyclohexyl-, 5-cyclohexy	31652	013151-80-9	47
4	Palmitaldehyde, diisopropyl acetal	48428	018302-66-4	46
5	Hexadecane, 1-chloro-	35935	004860-03-1	27



Library Search Compound Report

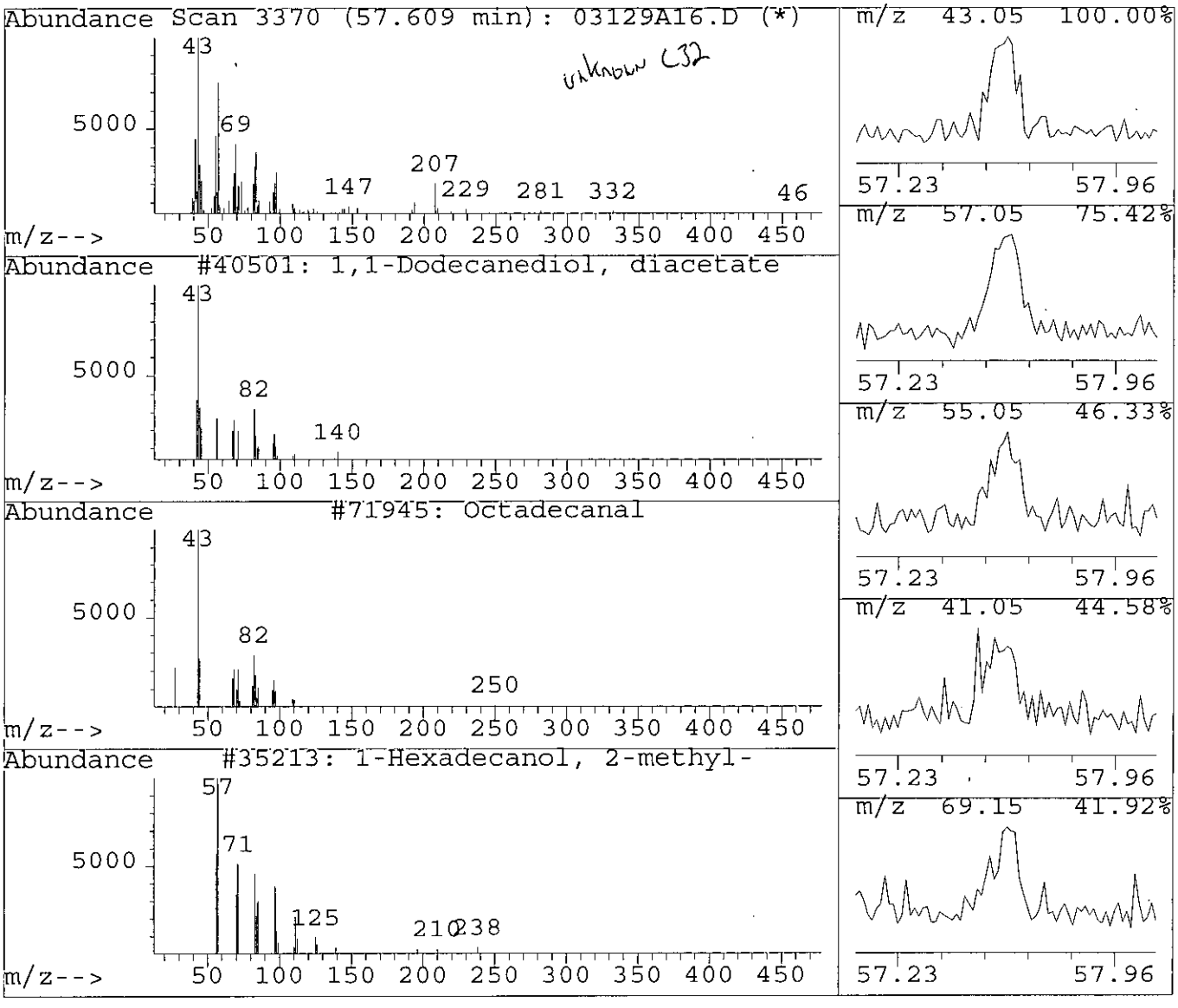
Data File : C:\HPCHEM\1\DATA\03129A16.D
Acq On : 13 Mar 99 3:54 pm
Sample : 67834 (1:10)
Misc : American Glue & Resin P#99187

Vial: 16
Operator: ESAT
Inst : 5988
Multiplr: 7160.76

Method : C:\HPCHEM\1\METHODS\03129A02.M
Title : semivolatiles
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	R.T.
57.60	68959.89 ug/ml	67138	PERYLENE-D12	45.86

Hit# of 20	Tentative ID	Ref#	CAS#	Qual
1	1,1-Dodecanediol, diacetate	40501	056438-07-4	15
2	Octadecanal	71945	000638-66-4	12
3	1-Hexadecanol, 2-methyl-	35213	002490-48-4	10
4	Hexadecanal	32055	000629-80-1	10
5	Tetradecanal	70265	000124-25-4	10



1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

S67831D

Lab EPA REG 1 Contract:

Proj 99187 Site: AMERICAN Location: Group:

Matrix: (soil/wat SOIL Lab Sample ID: S67831D

Wet Sample wt/vol: 5.0 (g/mL) G Lab File ID: 03129A13.D

Dry: 2.49 Date Collected 3/2/99

Level: (low/m MED Date Received: 3/3/99

% 52 decanted: (Y/N): Y Date Extracted: 3/9/99

Concentrated Extract Volume 1000 (uL) Date Analyzed: 3/13/99

Injection Volume 1.0 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y N pH: 0 Report Factor: 12.5

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
62-53-3	ANILINE	42000	UD
108-95-2	PHENOL	42000	UD
111-44-4	BIS(2-CHLOROETHYL) ETHER	42000	UD
95-57-8	2-CHLOROPHENOL	42000	UD
541-73-1	1,3-DICHLOROBENZENE	42000	UD
106-46-7	1,4-DICHLOROBENZENE	42000	UD
100-51-6	BENZYL ALCOHOL	42000	UD
95-50-1	1,2-DICHLOROBENZENE	42000	UD
95-48-7	2-METHYLPHENOL	42000	UD
108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	42000	UD
106-44-5	4-METHYLPHENOL	42000	UD
621-64-7	N-NITROSODIPROPYLAMINE	42000	UD
67-72-1	HEXACHLOROETHANE	42000	UD
98-95-3	NITROBENZENE	42000	UD
78-59-1	ISOPHORONE	42000	UD
88-75-5	2-NITROPHENOL	42000	UD
105-67-9	2,4-DIMETHYLPHENOL	42000	UD
111-91-1	BIS(2-CHLOROETHOXY)METHANE	42000	UD
65-85-0	BENZOIC ACID	42000	UD
120-83-2	2,4-DICHLOROPHENOL	42000	UD
120-82-1	1,2,4-TRICHLOROBENZENE	42000	UD
91-20-3	NAPHTHALENE	42000	UD
106-47-8	4-CHLOROANILINE	42000	UD
87-68-3	HEXACHLOROBUTADIENE	42000	UD
59-50-7	4-CHLORO-3-METHYLPHENOL	42000	UD
91-57-6	2-METHYLNAPHTHALENE	42000	UD
77-47-4	HEXACHLOROCYCLOPENTADIENE	42000	UD
88-06-2	2,4,6-TRICHLOROPHENOL	42000	UD
95-95-4	2,4,5-TRICHLOROPHENOL	42000	UD
91-58-7	2-CHLORONAPHTHALENE	42000	UD
88-74-4	2-NITROANILINE	42000	UD
131-11-3	DIMETHYLPHTHALATE	42000	UD
208-96-8	ACENAPHTHYLENE	42000	UD

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

S67831D

Lab EPA REG 1 Contract:

Proj 99187 Site: AMERICAN Location: Group:

Matrix: (soil/wat SOIL Lab Sample ID: S67831D

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 03129A13.D

Level: (low/m MED Date Received: 3/3/99

% 52 decanted: (Y/N): Y Date Extracted: 3/9/99

Concentrated Extract Volume 1000 (uL) Date Analyzed: 3/13/99

Injection Volume 1.0 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y N pH: 0

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
606-20-2	2,6-DINITROTOLUENE	42000	UD
99-09-2	3-NITROANILINE	42000	UD
83-32-9	ACENAPHTHENE	42000	UD
51-28-5	2,4-DINITROPHENOL	42000	UD
132-64-9	DIBENZOFURAN	42000	UD
100-02-7	4-NITROPHENOL	42000	UD
121-14-2	2,4-DINITROTOLUENE	42000	UD
84-66-2	DIETHYLPHTHALATE	42000	UD
86-73-7	FLUORENE	42000	UD
7005-72-3	4-CHLOROPHENYL-PHENYLETHER	42000	UD
100-01-6	4-NITROANILINE	42000	UD
534-52-1	4,6-DINITRO-2-METHYLPHENOL	42000	UD
86-30-6	N-NITROSODIPHENYLAMINE	42000	UD
103-33-3	DIPHENYLHYDRAZINE(AZOBENZENE)	42000	UD
101-55-3	4-BROMOPHENYL-PHENYLETHER	42000	UD
319-84-6	BHC ISOMER (ALPHA)	42000	UD
118-74-1	HEXACHLOROBENZENE	42000	UD
319-85-7	BHC ISOMER (BETA)	42000	UD
87-86-5	PENTACHLOROPHENOL	42000	UD
58-89-9	LINDANE-BHC ISOMER (GAMA)	42000	UD
85-01-8	PHENANTHRENE	42000	UD
120-12-7	ANTHRACENE	42000	UD
319-86-8	BHC ISOMER (DELTA)	42000	UD
86-74-8	CARBAZOLE	42000	UD
76-44-8	HEPTACHLOR	42000	UD
84-74-2	DIBUTYLPHTHALATE	7200	UD
309-00-2	ALDRIN	42000	UD
1024-57-3	HEPTACHLOR EPOXIDE	42000	UD
206-44-0	FLUORANTHENE	42000	UD
129-00-0	PYRENE	42000	UD
959-98-8	ENDOSULFAN I	42000	UD
72-55-9	P,P-DDE	42000	UD
60-57-1	DIELDRIN	42000	UD

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

S67831D

Lab EPA REG 1 Contract:

Proj 99187 Site: AMERICAN Location: Group:

Matrix: (soil/wat SOIL Lab Sample ID: S67831D

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 03129A13.D

Level: (low/m MED Date Received: 3/3/99

% 52 decanted: (Y/N): Y Date Extracted: 3/9/99

Concentrated Extract Volume 1000 (uL) Date Analyzed: 3/13/99

Injection Volume 1.0 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y N pH: 0

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
72-20-8	ENDRIN	42000	UD
33213-65-9	ENDOSULFAN II	42000	UD
72-54-8	P,P-DDD	42000	UD
85-68-7	BUTYLBENZYLPHTHALATE	42000	UD
50-29-3	P,P-DDT	42000	UD
1031-07-8	ENDOSULFAN SULFATE	42000	UD
72-43-5	METHOXYCHLOR	42000	UD
53494-70-5	ENDRIN KETONE	42000	UD
91-94-1	3,3-DICHCHLOROBENZIDINE	42000	UD
56-55-3	BENZ(A)ANTHRACENE	42000	UD
218-01-9	CHRYSENE	42000	UD
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	42000	UD
117-84-0	DI-N-OCTYLPHTHALATE	42000	UD
205-99-2	BENZO(B)FLUORANTHENE	42000	UD
207-08-9	BENZO(K)FLUORANTHENE	42000	UD
50-32-8	BENZO(A)PYRENE	42000	UD
193-39-5	INDENO(1,2,3-CD)PYRENE	42000	UD
53-70-3	DIBENZO(A,H)ANTHRACENE	42000	UD
191-24-2	BENZO(GHI)PERYLENE	42000	UD

QUANTITATION SHEET

SAMPLE NUMBER 67831

Tentatively Identified Compounds

SCAN NO.	COMPOUND	PROB. MATCH	CONC (ug/ml)	EST. C. (ug/kg)	CAS NO.	CHEM. FORM.
72	4-hydroxy-4-methyl-2-Pentanone	50	-	~1,000,000AB	123-42-2	
356	Unknown hydrocarbon	-	-	~20,000 J	-	

~ = Approximate
< = Less than
> = Greater than
NA = Not available due to dilution or interference
E = Estimated value that exceeds the calibration range
L = Estimated value that is below the calibration range
B = Analyte associated with the lab, trip blank. Reported values are 5X higher than blank. Phthalates must be 10X.

Quantitation Report

Data File : C:\HPCHEM\1\DATA\03129A13.D
Acq On : 13 Mar 99 12:31 pm
Sample : 67831(1:10)
Misc : American Glue & Resin P#99187
Quant Time: Mar 13 13:37 1999

Vial: 13
Operator: ESAT
Inst : 5988
Multiplr: 4164.93

Method : C:\HPCHEM\1\METHODS\03129A02.M
Title : semivolatiles
Last Update : Sat Mar 13 11:22:04 1999
Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DICHLOROBENZENE-D4	16.28	150	50509	40.00	ug/ml	0.00
19) NAPHTHALENE-D8	20.43	136	117806	40.00	ug/ml	0.00
34) ACENAPHTHENE-D10	26.38	164	59637	40.00	ug/ml	0.00
54) PHENANTHRENE-D10	31.47	188	107742	40.00	ug/ml	-0.02
74) CHRYSENE-D12	40.50	240	106427	40.00	ug/ml	-0.02
92) PERYLENE-D12	45.86	264	83465	40.00	ug/ml	0.00
System Monitoring Compounds						%Recovery
2) FLUOROPHENOL	12.51	112	15347	16.14	ug/ml	8.07%
4) PHENOL-D5	15.39	99	24152	16.97	ug/ml	8.48%
5) 2-CHLOROPHENOL-D4	15.68	132	14533	14.06	ug/ml	7.03%
12) 1,2-DICHLOROBENZENE-D4	16.77	150	8493	7.06	ug/ml	7.06%
20) NITROBENZENE-D5	18.20	82	11777	6.96	ug/ml	6.96%
38) FLUOROBIPHENYL	24.13	172	14659	7.44	ug/ml	7.44%
58) 2,4,6-TRIBROMOPHENOL	29.20	330	3738	8.44	ug/ml	4.22%
78) P-TERPHENYL-D14	36.95	244	21686	8.25	ug/ml	8.25%
Target Compounds						Qvalue
70) DIBUTYLPHTHALATE	33.55	149	7031	7208.81	ug/ml	100

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\03129A13.D
Acq On : 13 Mar 99 12:31 pm
Sample : 67831(1:10)
Misc : American Glue & Resin P#99187
Quant Time: Mar 13 13:37 1999

Vial: 13
Operator: ESAT
Inst : 5988
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\03129A02.M
Title : semivolatiles
Last Update : Sat Mar 13 11:22:04 1999
Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DICHLOROBENZENE-D4	16.28	150	50509	40.00	ug/ml	0.00
19) NAPHTHALENE-D8	20.43	136	117806	40.00	ug/ml	0.00
34) ACENAPHTHENE-D10	26.38	164	59637	40.00	ug/ml	0.00
54) PHENANTHRENE-D10	31.47	188	107742	40.00	ug/ml	-0.02
74) CHRYSENE-D12	40.50	240	106427	40.00	ug/ml	-0.02
92) PERYLENE-D12	45.86	264	83465	40.00	ug/ml	0.00
System Monitoring Compounds						%Recovery
2) FLUOROPHENOL	12.51	112	15347	16.14	ug/ml	8.07%
4) PHENOL-D5	15.39	99	24152	16.97	ug/ml	8.48%
5) 2-CHLOROPHENOL-D4	15.68	132	14533	14.06	ug/ml	7.03%
12) 1,2-DICHLOROBENZENE-D4	16.77	150	8493	7.06	ug/ml	7.06%
20) NITROBENZENE-D5	18.20	82	11777	6.96	ug/ml	6.96%
38) FLUOROBIPHENYL	24.13	172	14659	7.44	ug/ml	7.44%
58) 2,4,6-TRIBROMOPHENOL	29.20	330	3738	8.44	ug/ml	4.22%
78) P-TERPHENYL-D14	36.95	244	21686	8.25	ug/ml	8.25%
Target Compounds						Qvalue
70) DIBUTYLPHTHALATE	33.55	149	7031	1.73	ug/ml	100

wet wt = 5.003
Dry wt = 2.401
% moist = 52.0
1 ml FV
1:10 DIL
MW = 4164.93279

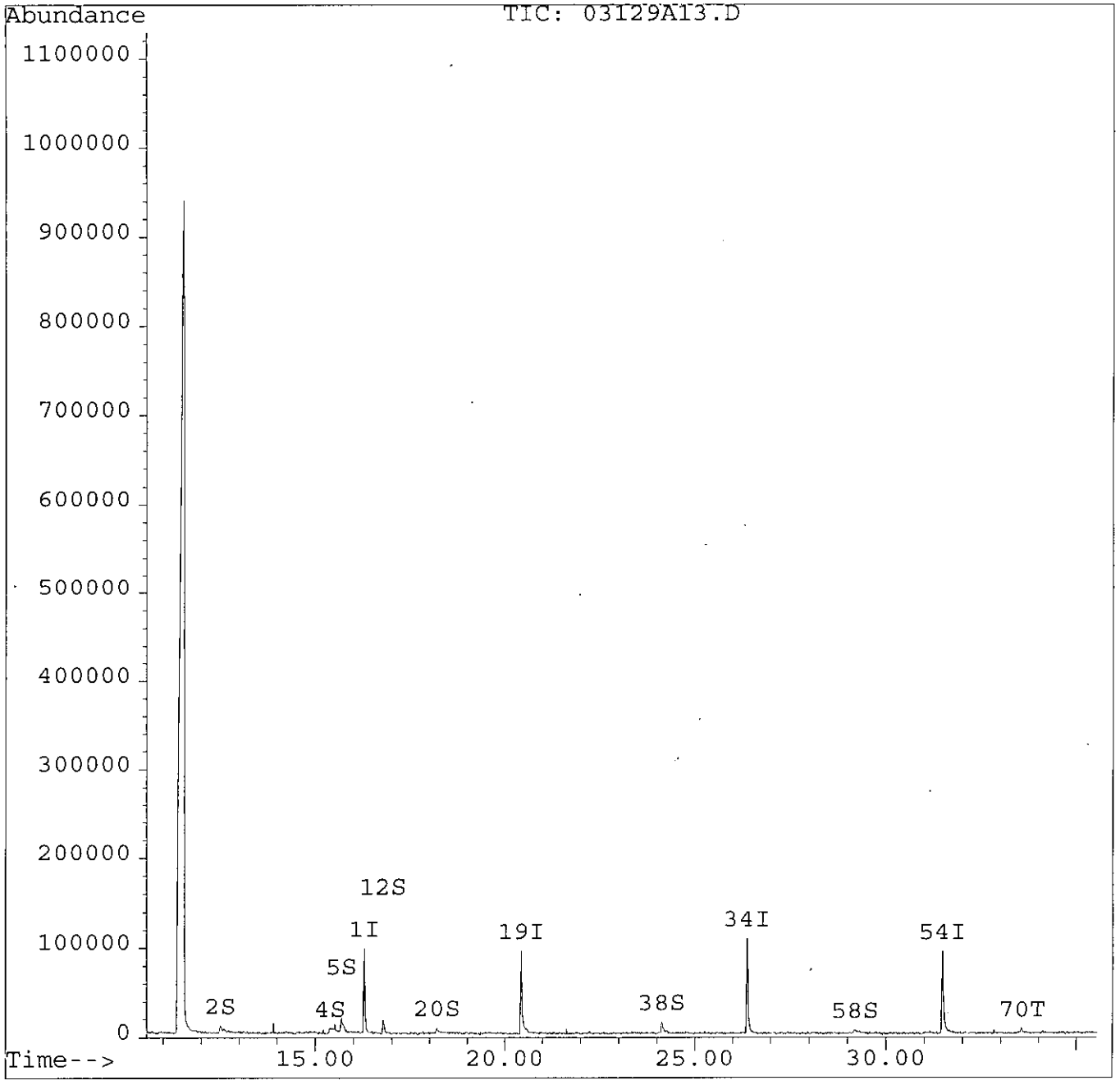
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\03129A13.D
Acq On : 13 Mar 99 12:31 pm
Sample : 67831(1:10)
Misc : American Glue & Resin P#99187
Quant Time: Mar 13 13:35 1999

Vial: 13
Operator: ESAT
Inst : 5988
Multiplr: 4830.92

Method : C:\HPCHEM\1\METHODS\03129A02.M
Title : semivolatiles
Last Update : Sat Mar 13 11:22:04 1999
Response via : Single Level Calibration

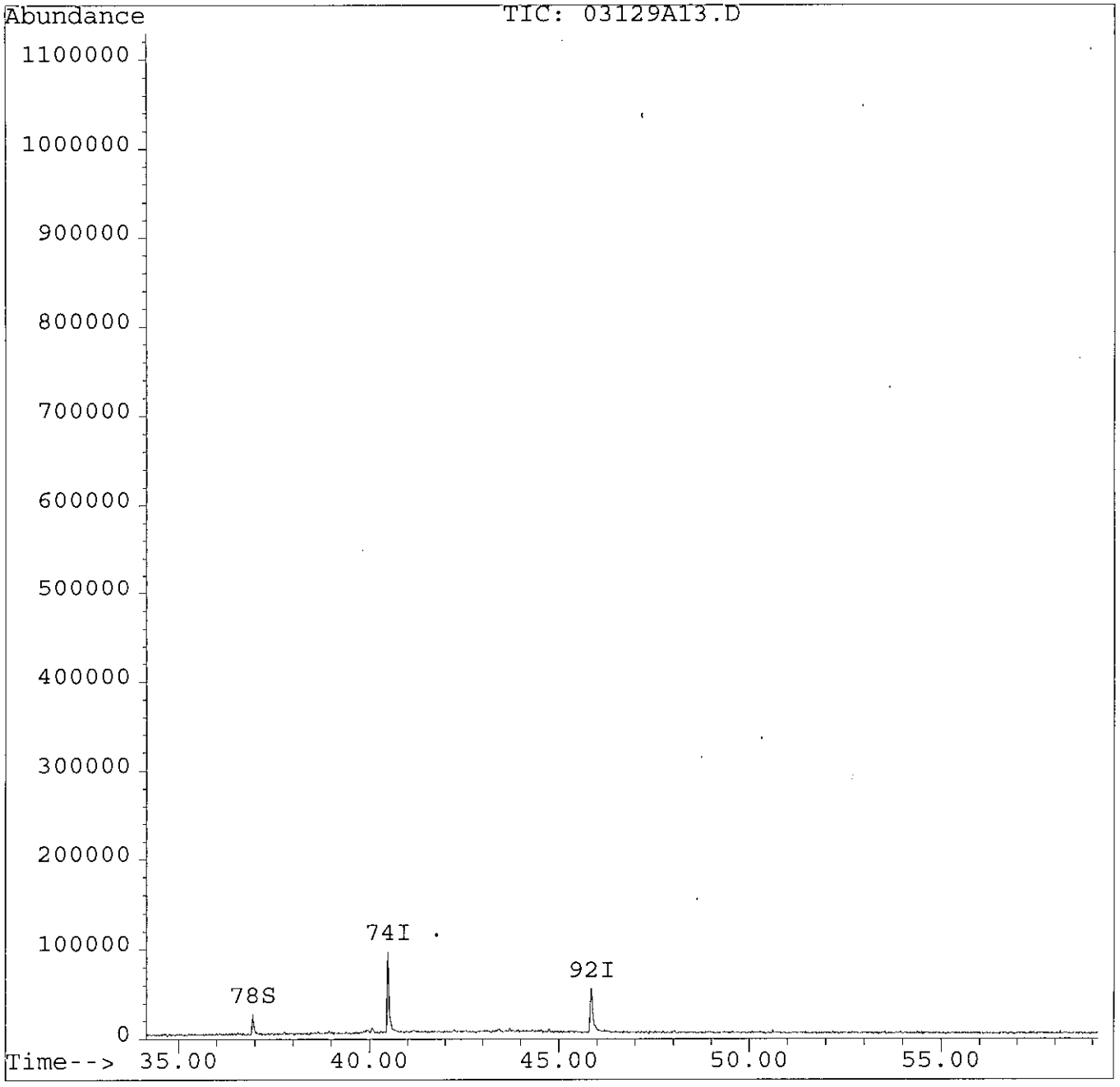


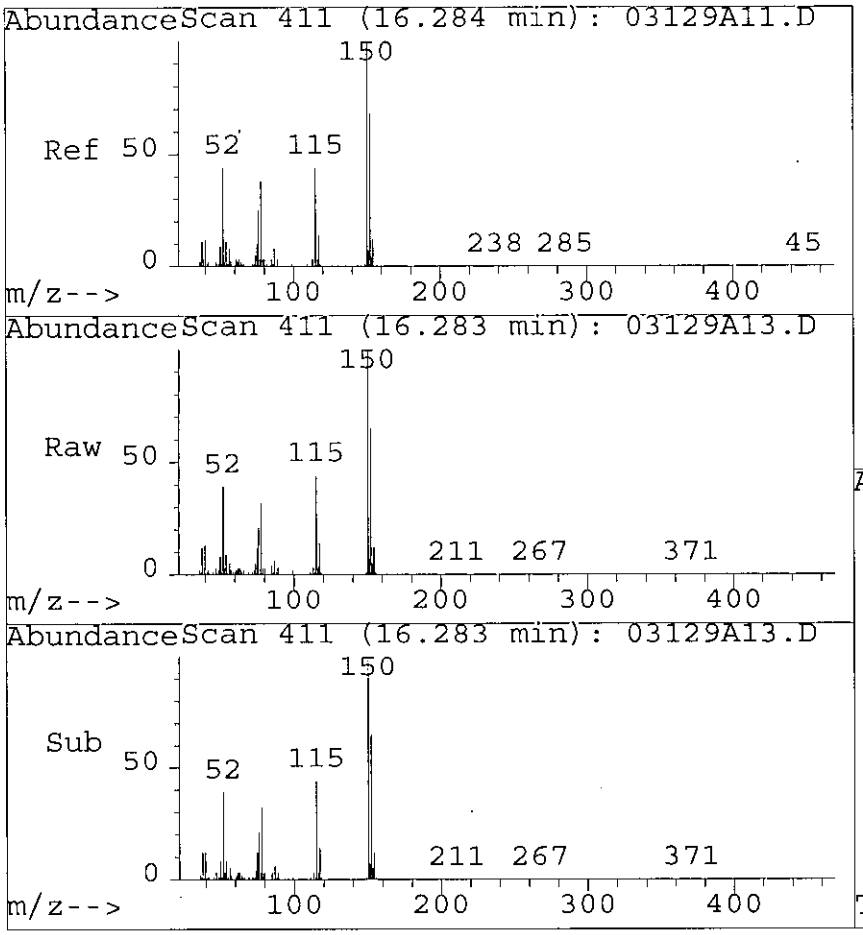
Quantitation Report

Data File : C:\HPCHEM\1\DATA\03129A13.D
Acq On : 13 Mar 99 12:31 pm
Sample : 67831(1:10)
Misc : American Glue & Resin P#99187
Quant Time: Mar 13 13:35 1999

Vial: 13
Operator: ESAT
Inst : 5988
Multiplr: 4830.92

Method : C:\HPCHEM\1\METHODS\03129A02.M
Title : semivolatiles
Last Update : Sat Mar 13 11:22:04 1999
Response via : Single Level Calibration

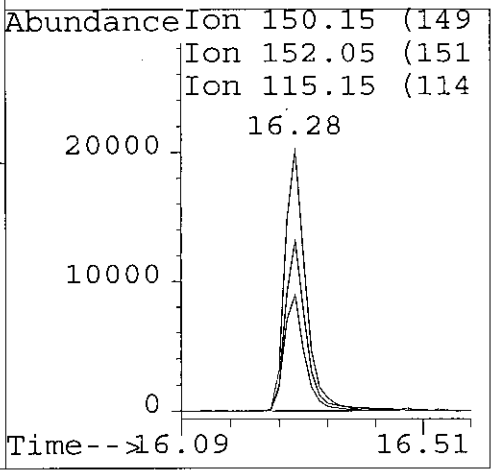


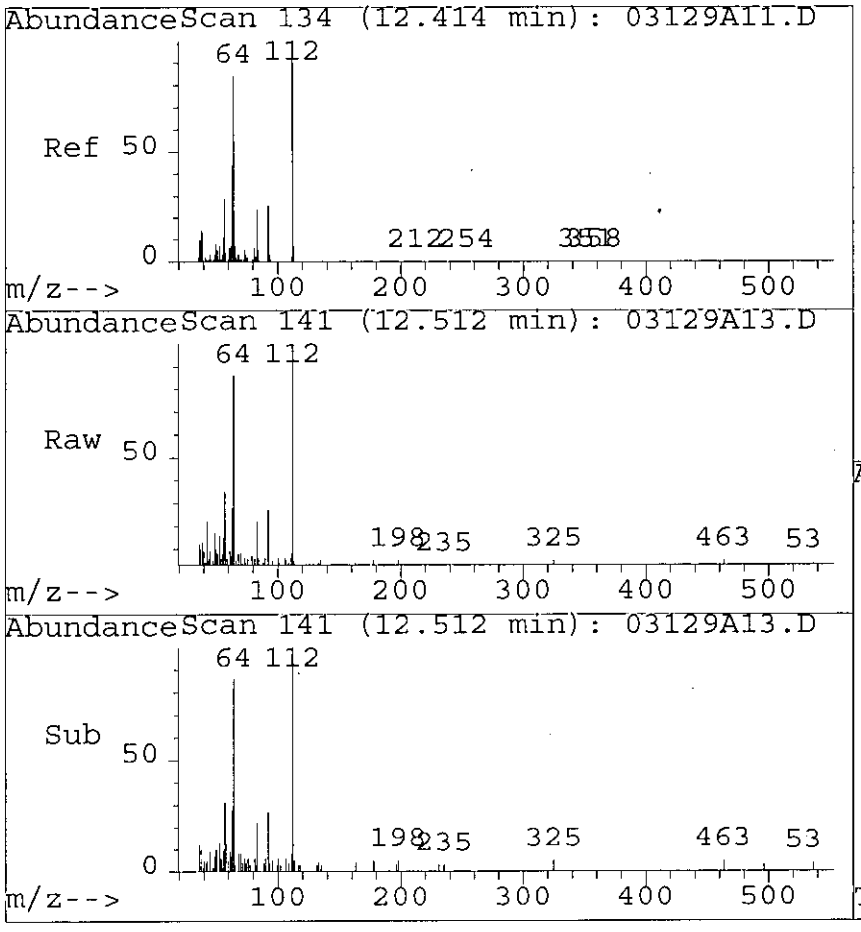


#1
1,4-DICHLOROBENZENE-D4
Concen: 40.00 ug/ml
RT: 16.28 min Scan# 411
Delta R.T. -0.00 min
Lab File: 03129A13.D
Acq: 13 Mar 99 12:31 pm

Tgt Ion:150.15 Resp: 50509

Ion	Ratio	Lower	Upper
150	100		
152	65.2	51.1	76.6
115	44.3	34.7	52.0
0	0.0	0.0	0.0

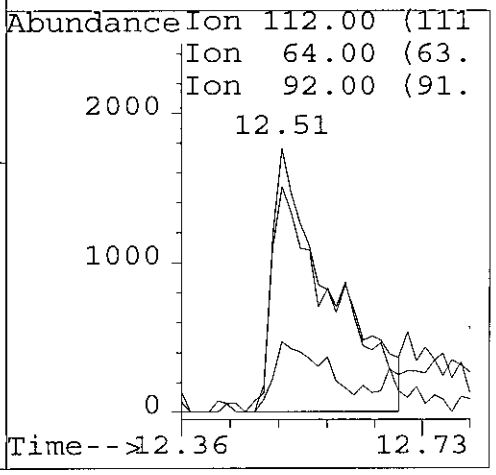


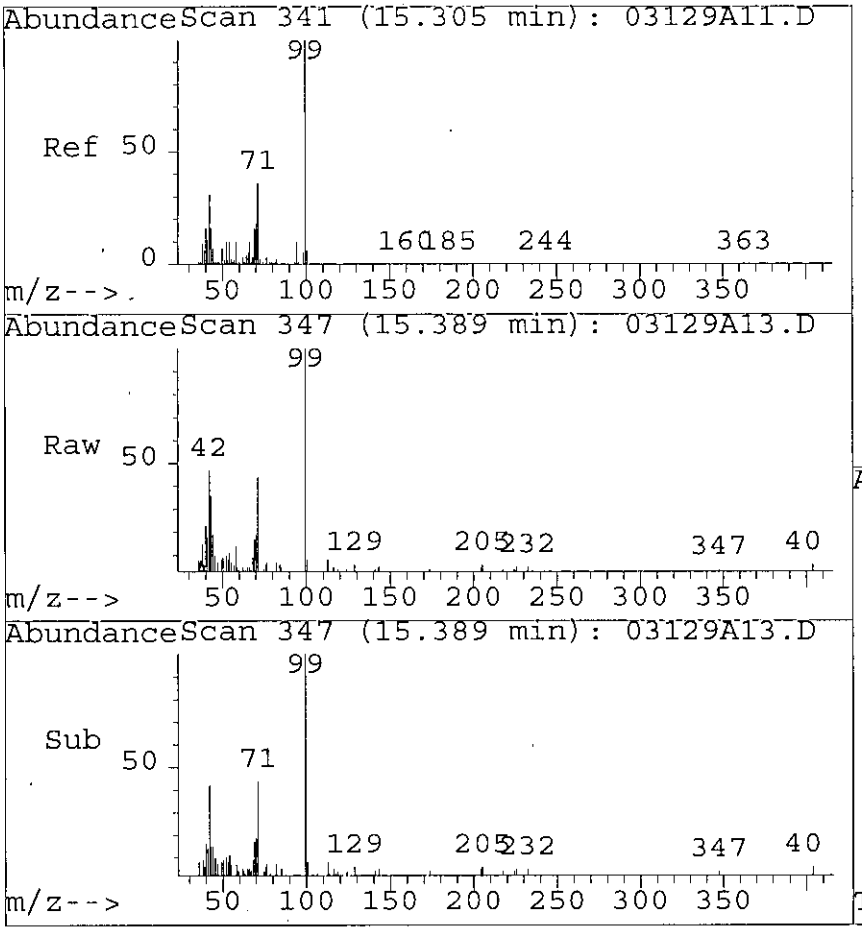


#2
FLUOROPHENOL
Concen: 11.51 ug/ml
RT: 12.51 min Scan# 141
Delta R.T. 0.10 min
Lab File: 03129A13.D
Acq: 13 Mar 99 12:31 pm

Tgt Ion:112 Resp: 10944

Ion	Ratio	Lower	Upper
112	100		
64	85.5	55.4	83.1#
92	26.8	24.7	37.0
0	0.0	0.0	0.0

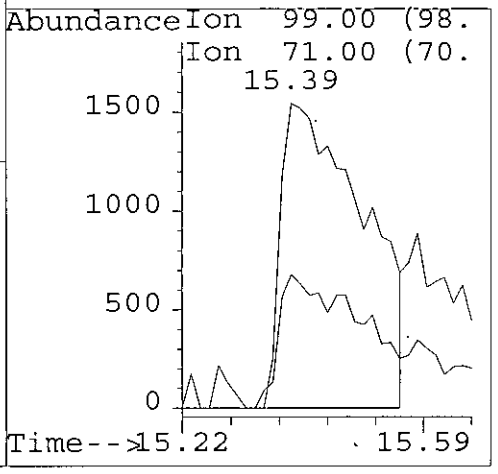


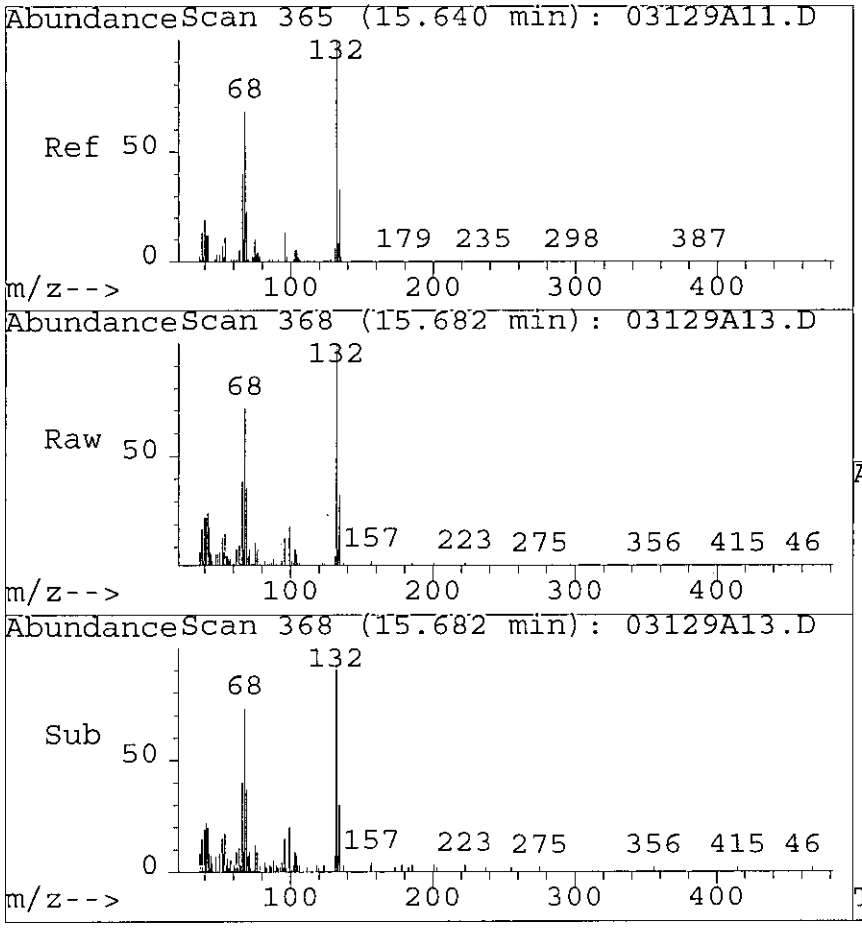


#4
PHENOL-D5
Concen: 9.66 ug/ml
RT: 15.39 min Scan# 347
Delta R.T. 0.08 min
Lab File: 03129A13.D
Acq: 13 Mar 99 12:31 pm

Tgt Ion:99 Resp: 13752

Ion	Ratio	Lower	Upper
99	100		
71	44.0	27.7	41.4#
0	0.0	0.0	0.0
0	0.0	0.0	0.0

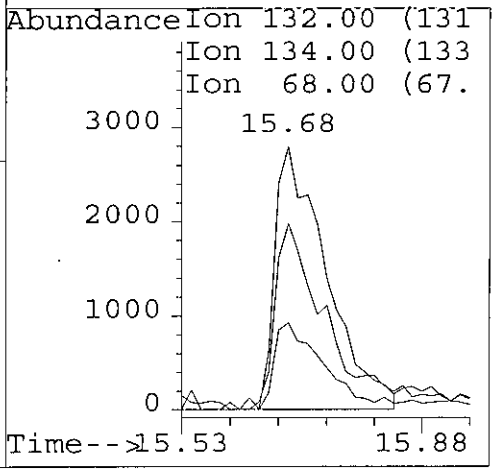


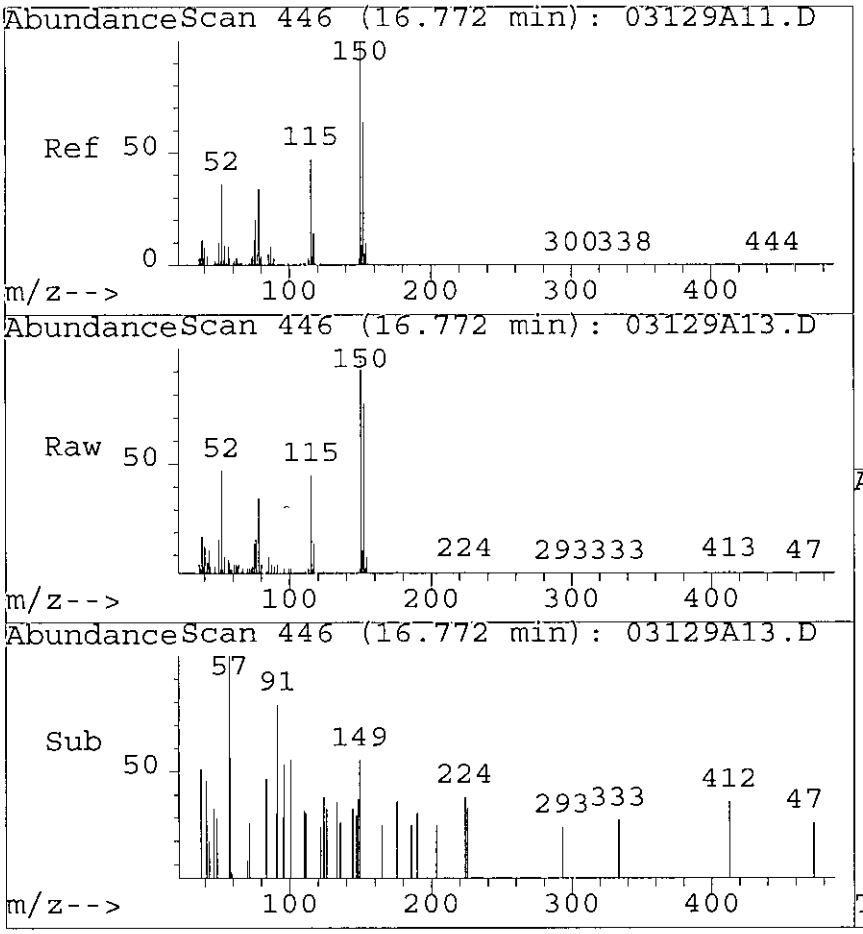


#5
2-CHLOROPHENOL-D4
Concen: 14.06 ug/ml
RT: 15.68 min Scan# 368
Delta R.T. 0.04 min
Lab File: 03129A13.D
Acq: 13 Mar 99 12:31 pm

Tgt Ion:132 Resp: 14533

Ion	Ratio	Lower	Upper
132	100		
134	33.1	24.0	35.9
68	70.8	40.0	59.9#
0	0.0	0.0	0.0

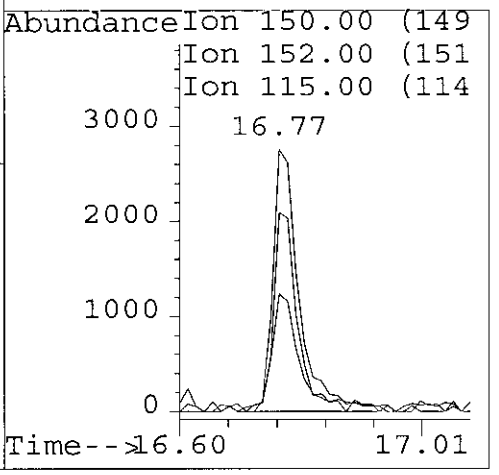


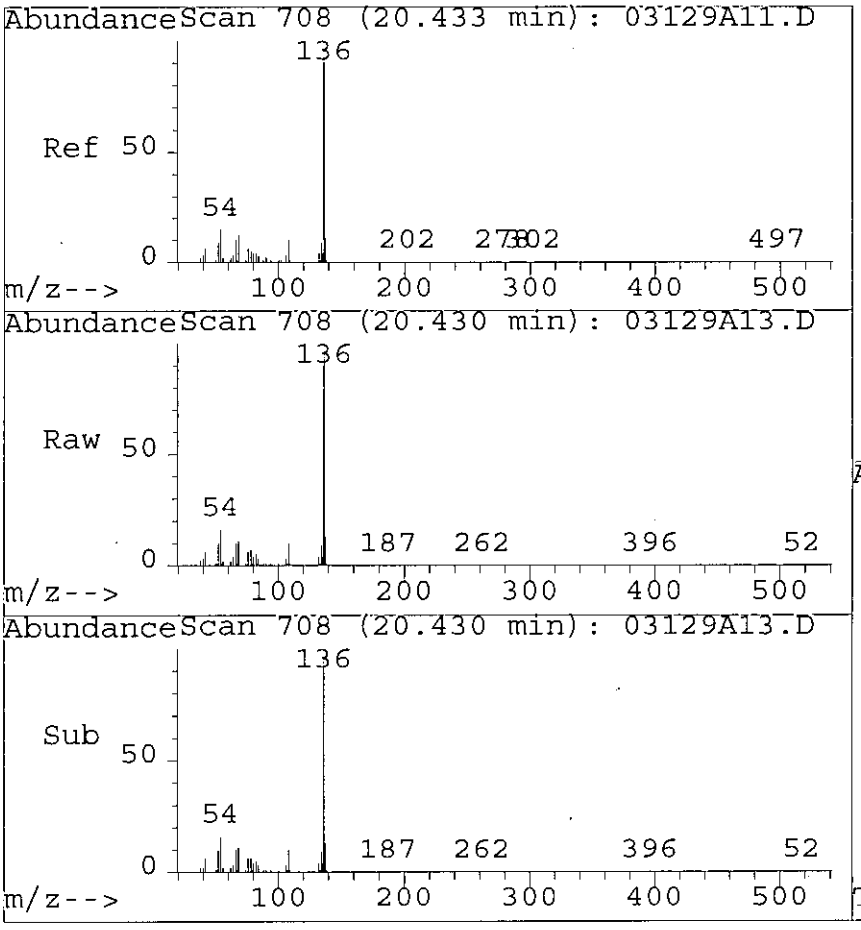


#12
1,2-DICHLOROBENZENE-D4
Concen: 7.06 ug/ml
RT: 16.77 min Scan# 446
Delta R.T. -0.00 min
Lab File: 03129A13.D
Acq: 13 Mar 99 12:31 pm

Tgt Ion:150 Resp: 8493

Ion	Ratio	Lower	Upper
150	100		
152	76.0	52.2	78.3
115	44.9	37.8	56.7
0	0.0	0.0	0.0

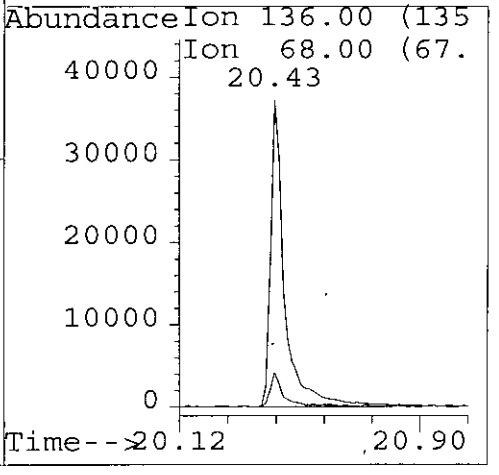


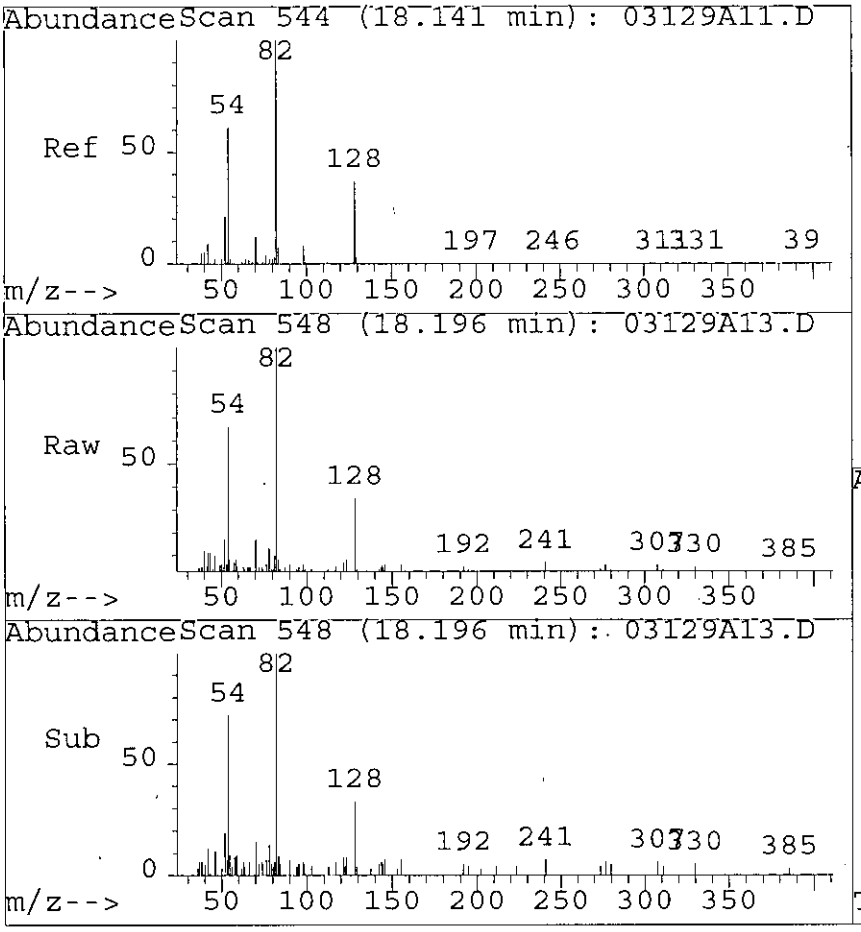


#19
NAPHTHALENE-D8
Concen: 40.00 ug/ml
RT: 20.43 min Scan# 708
Delta R.T. -0.00 min
Lab File: 03129A13.D
Acq: 13 Mar 99 12:31 pm

Tgt Ion:136 Resp: 117806

Ion	Ratio	Lower	Upper
136	100		
68	11.3	6.0	8.9#
0	0.0	0.0	0.0
0	0.0	0.0	0.0

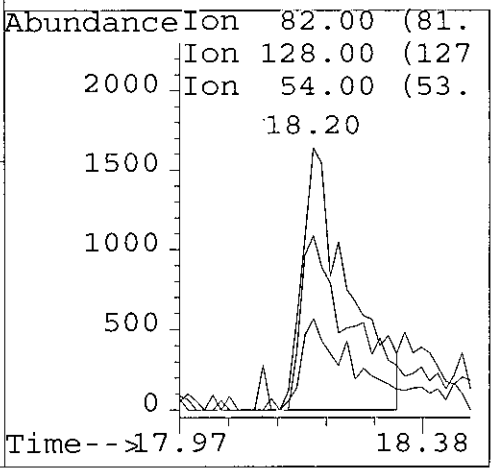


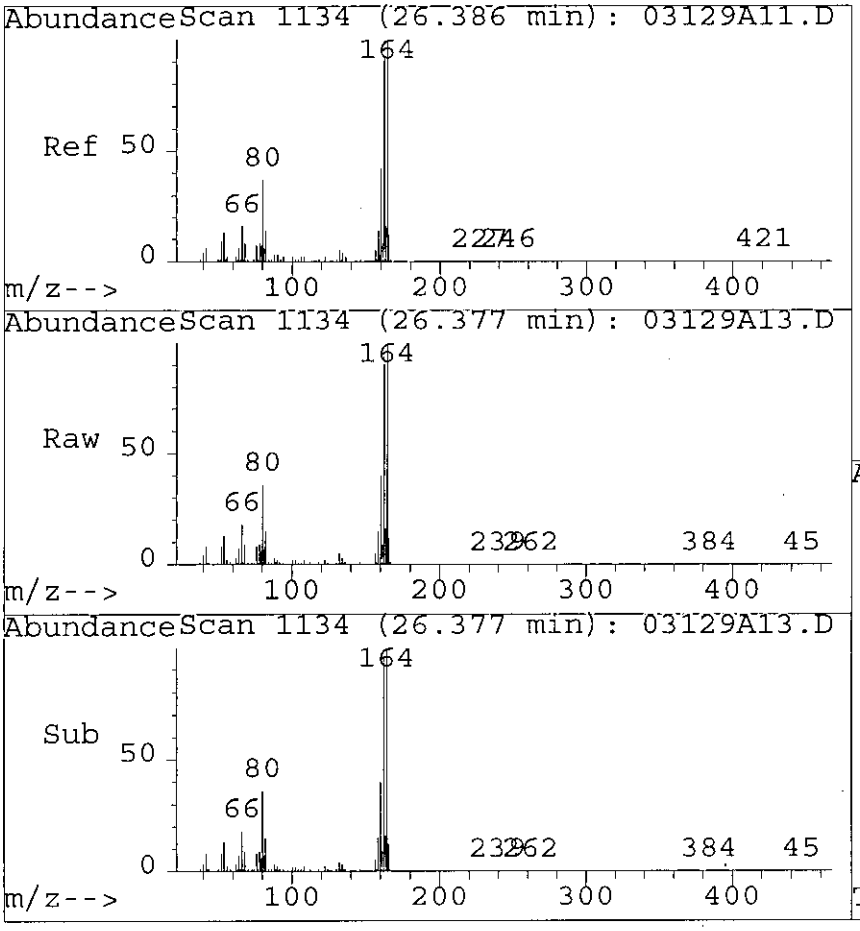


#20
NITROBENZENE-D5
Concen: 5.28 ug/ml
RT: 18.20 min Scan# 548
Delta R.T. 0.05 min
Lab File: 03129A13.D
Acq: 13 Mar 99 12:31 pm

Tgt Ion:82 Resp: 8933

Ion	Ratio	Lower	Upper
82	100		
128	34.5	34.4	51.5
54	66.4	42.9	64.4#
0	0.0	0.0	0.0

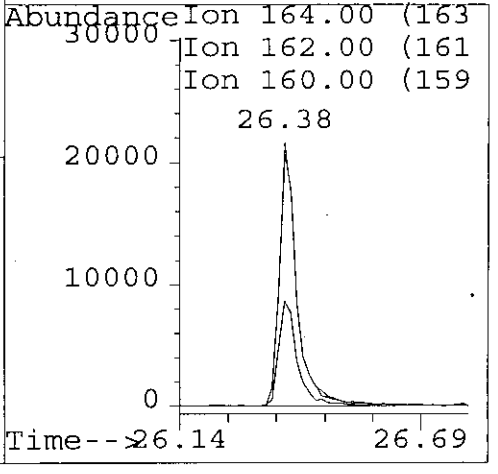


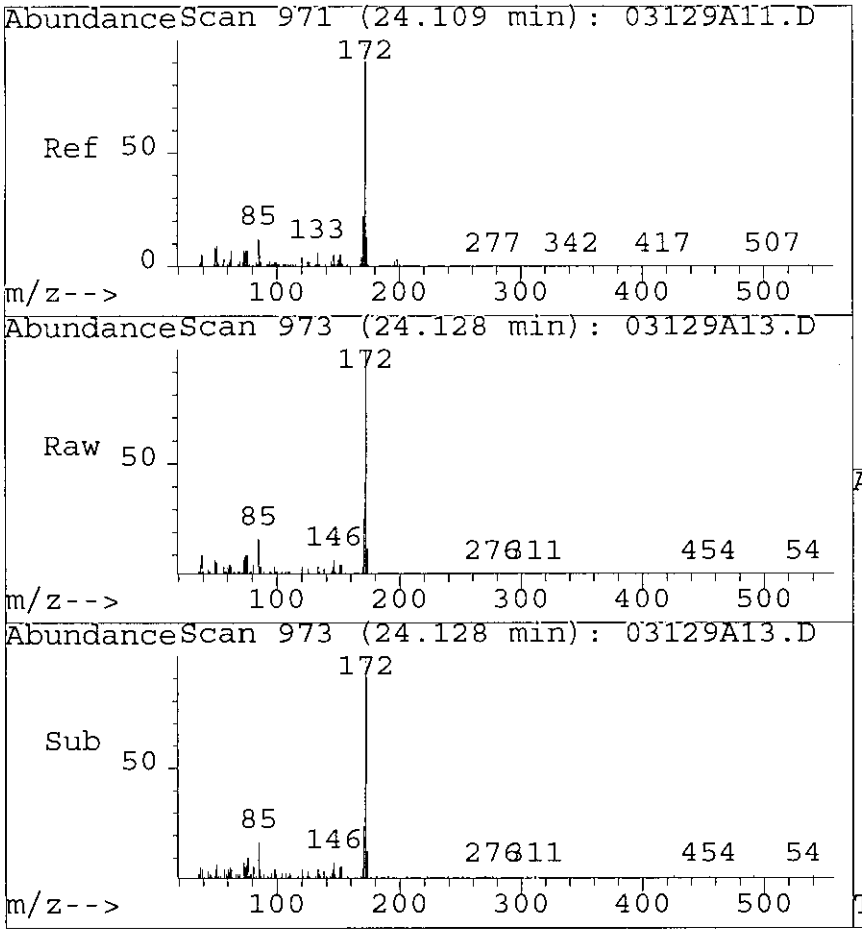


#34
ACENAPHTHENE-D10
Concen: 40.00 ug/ml
RT: 26.38 min Scan# 1134
Delta R.T. -0.01 min
Lab File: 03129A13.D
Acq: 13 Mar 99 12:31 pm

Tgt Ion:164 Resp: 59637

Ion	Ratio	Lower	Upper
164	100		
162	95.7	82.3	123.4
160	40.0	33.6	50.3
0	0.0	0.0	0.0

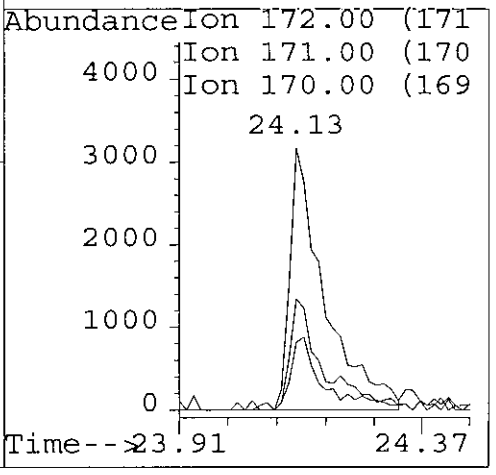


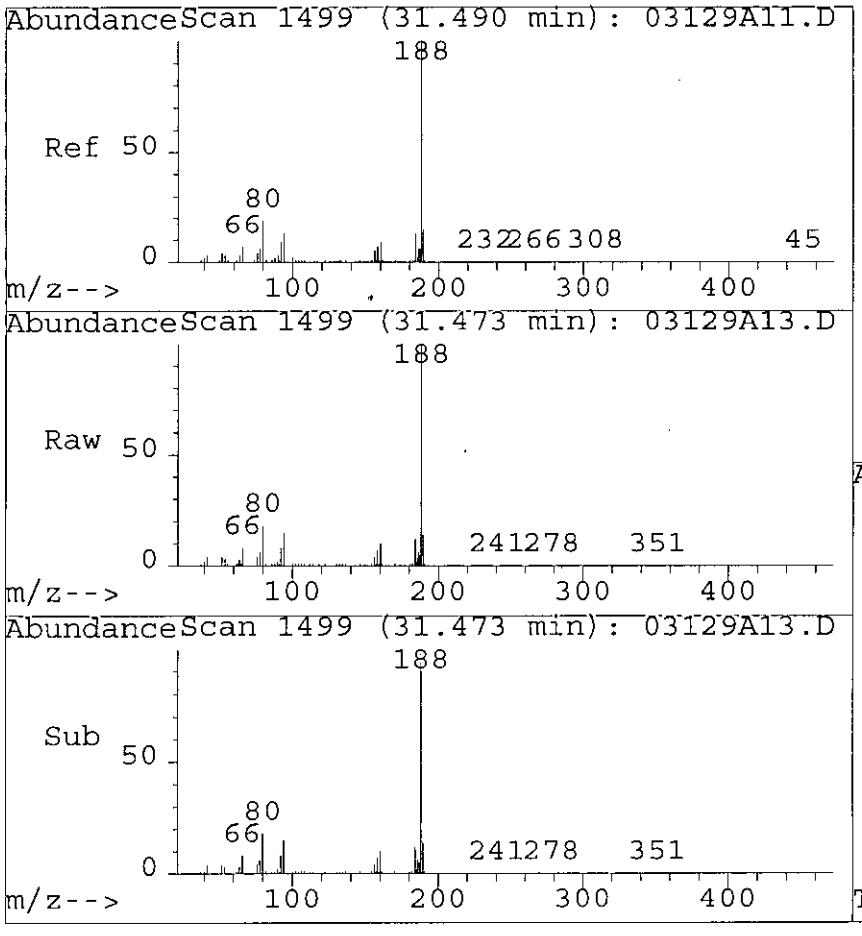


#38
FLUOROBIPHENYL
Concen: 7.44 ug/ml
RT: 24.13 min Scan# 973
Delta R.T. 0.02 min
Lab File: 03129A13.D
Acq: 13 Mar 99 12:31 pm

Tgt Ion:172 Resp: 14659

Ion	Ratio	Lower	Upper
172	100		
171	42.4	30.5	45.8
170	25.7	18.4	27.5
0	0.0	0.0	0.0

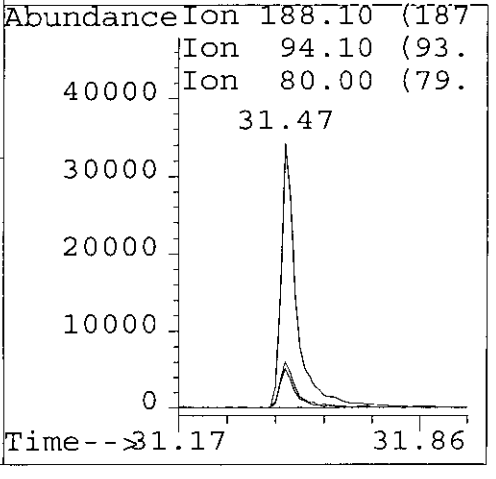


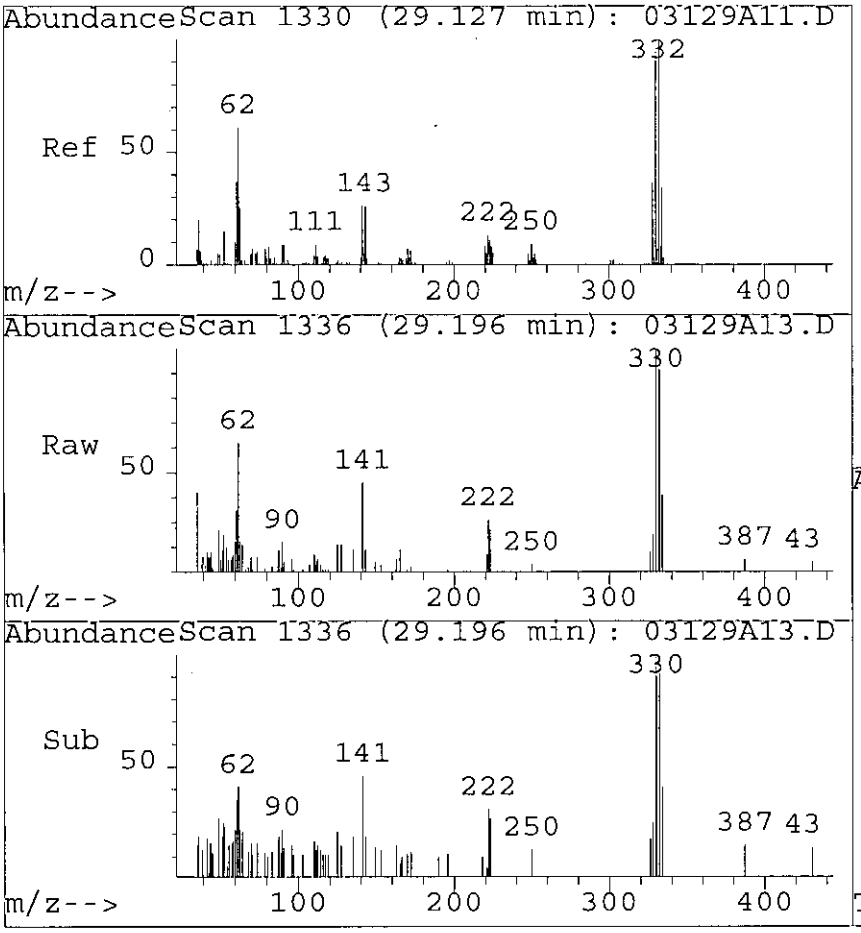


#54
PHENANTHRENE-D10
Concen: 40.00 ug/ml
RT: 31.47 min Scan# 1499
Delta R.T. -0.02 min
Lab File: 03129A13.D
Acq: 13 Mar 99 12:31 pm

Tgt Ion:188.1 Resp: 107742

Ion	Ratio	Lower	Upper
188	100		
94	15.1	11.6	17.3
80	17.9	13.7	20.5
0	0.0	0.0	0.0

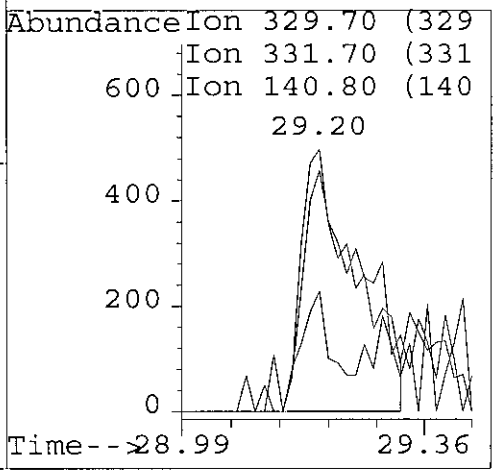


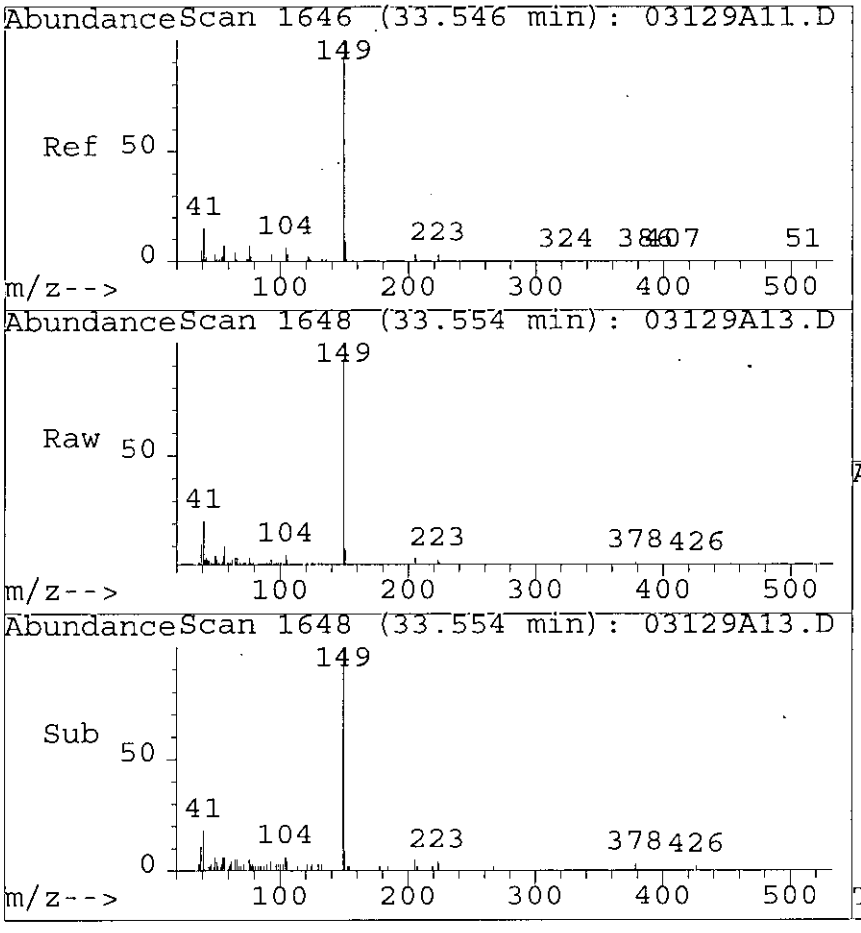


#58
2,4,6-TRIBROMOPHENOL
Concen: 6.72 ug/ml
RT: 29.20 min Scan# 1336
Delta R.T. 0.07 min
Lab File: 03129A13.D
Acq: 13 Mar 99 12:31 pm

Tgt Ion:329.7 Resp: 2978

Ion	Ratio	Lower	Upper
330	100		
332	92.0	69.7	104.5
141	46.0	30.9	46.4
0	0.0	0.0	0.0

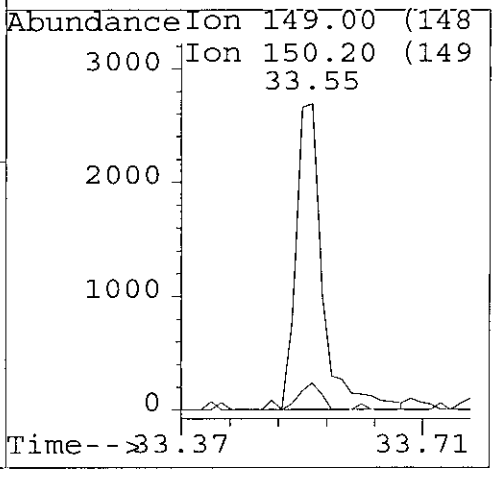


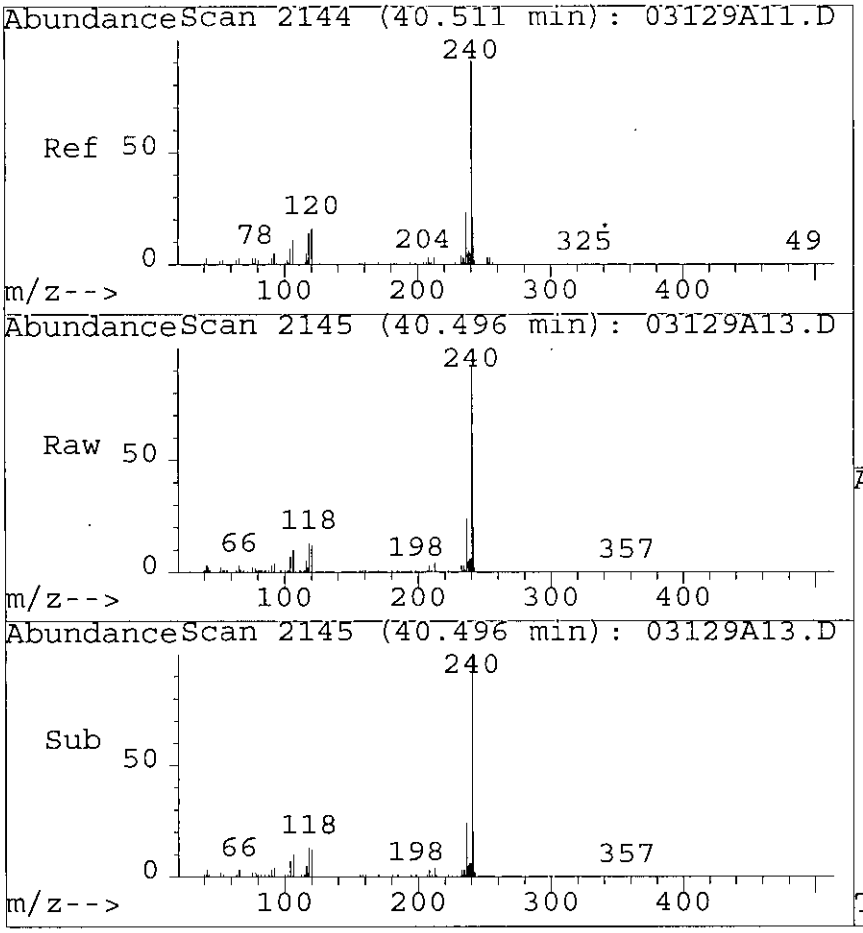


#70
DIBUTYLPHTHALATE ✓
Concen: ~~8361.52~~ ug/ml 1.73
RT: 33.55 min Scan# 1648
Delta R.T. 0.01 min
Lab File: 03129A13.D
Acq: 13 Mar 99 12:31 pm

Tgt Ion:149 Resp: 7031

Ion	Ratio	Lower	Upper
149	100		
150	8.7	7.1	10.6
0	0.0	0.0	0.0
0	0.0	0.0	0.0

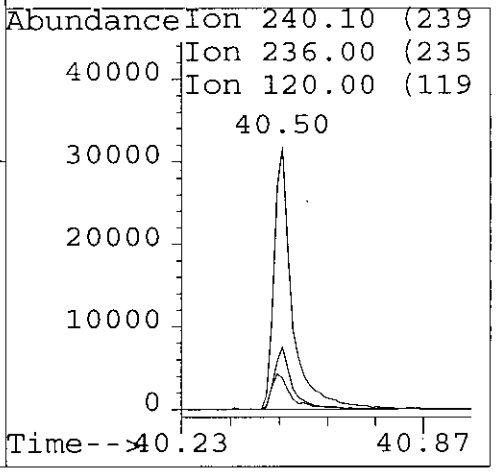


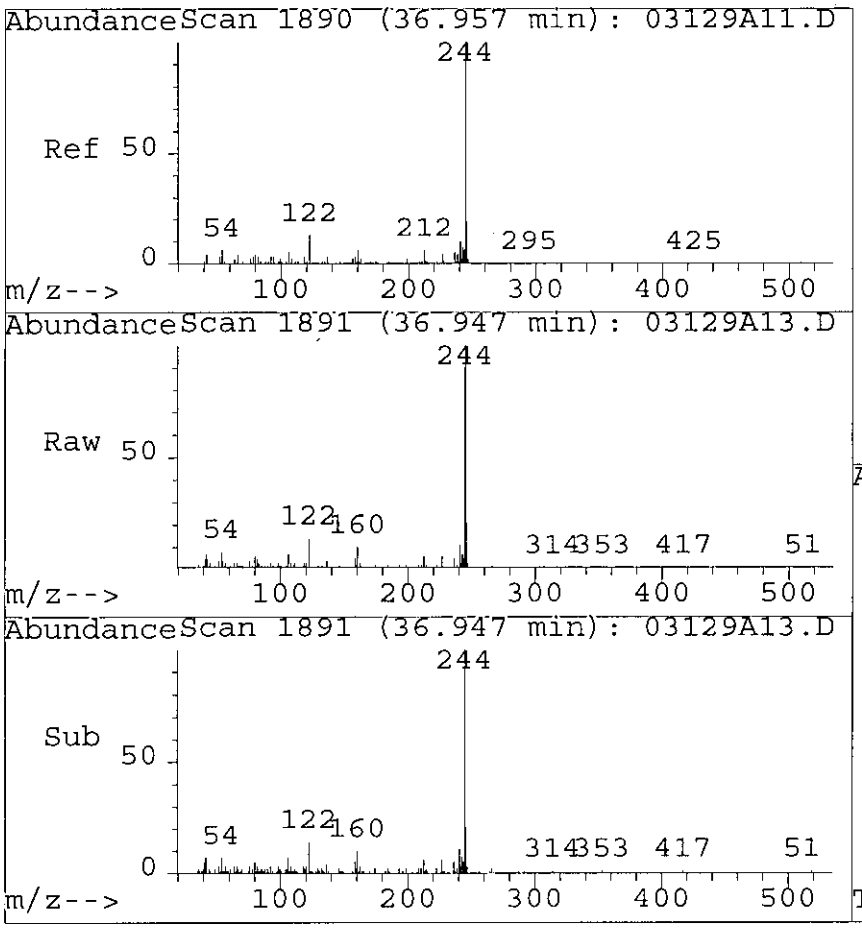


#74
CHRYSENE-D12
Concen: 40.00 ug/ml
RT: 40.50 min Scan# 2145
Delta R.T. -0.02 min
Lab File: 03129A13.D
Acq: 13 Mar 99 12:31 pm

Tgt Ion:240.1 Resp: 106427

Ion	Ratio	Lower	Upper
240	100		
236	23.7	20.6	30.9
120	11.8	17.5	26.2#
0	0.0	0.0	0.0

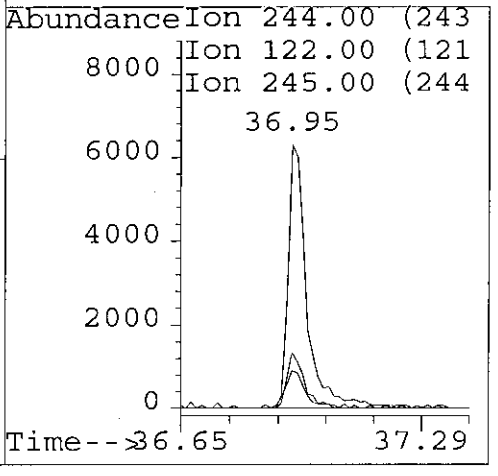


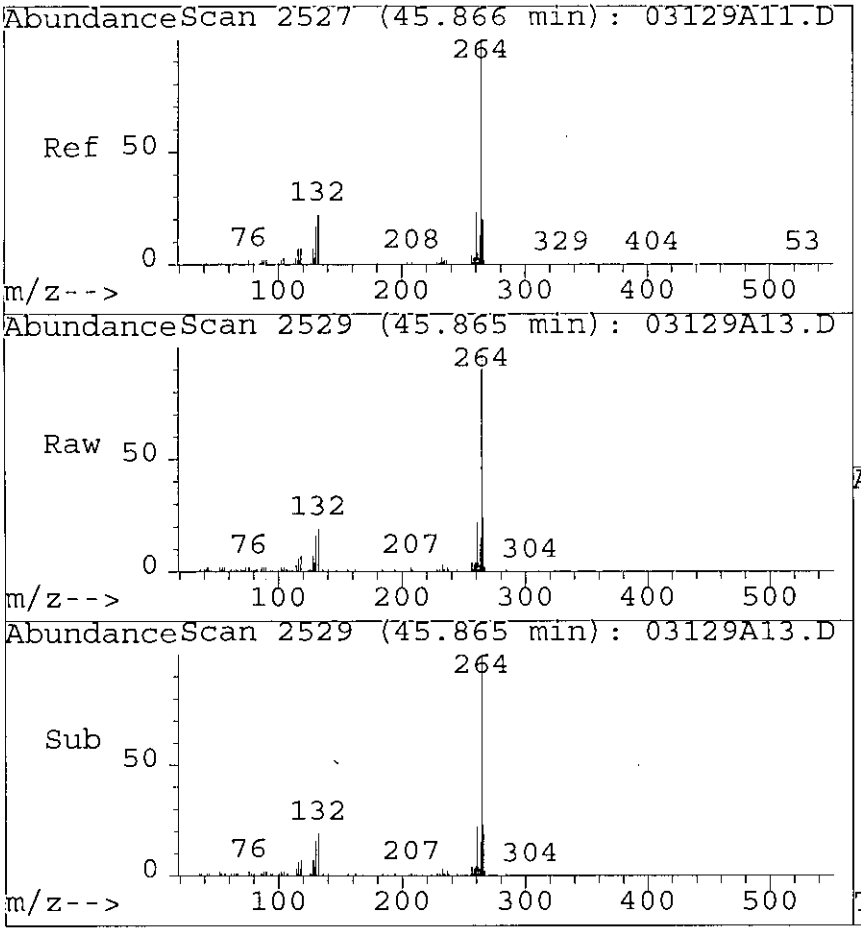


#78
P-TERPHENYL-D14
Concen: 8.25 ug/ml
RT: 36.95 min Scan# 1891
Delta R.T. -0.01 min
Lab File: 03129A13.D
Acq: 13 Mar 99 12:31 pm

Tgt Ion:244 Resp: 21686

Ion	Ratio	Lower	Upper
244	100		
122	14.4	15.3	23.0#
245	21.4	15.6	23.3
0	0.0	0.0	0.0

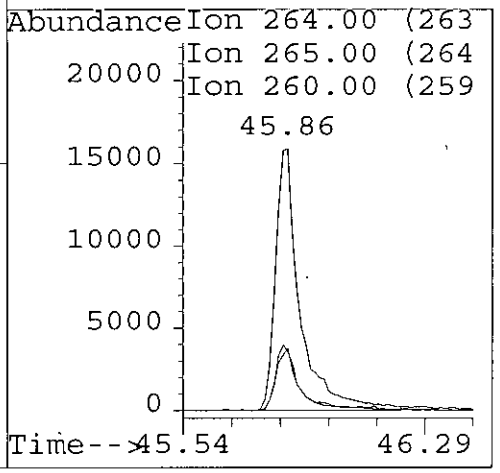




#92
PERYLENE-D12
Concen: 40.00 ug/ml
RT: 45.86 min Scan# 2529
Delta R.T. -0.00 min
Lab File: 03129A13.D
Acq: 13 Mar 99 12:31 pm

Tgt Ion:264 Resp: 83465

Ion	Ratio	Lower	Upper
264	100		
265	23.7	17.1	25.6
260	22.3	19.3	28.9
0	0.0	0.0	0.0



TIC: 03129A13.D

67831(1:10)

Peak#	Ret Time	Type	Width	Area	Start Time	End Time
1	10.710	rVB	0.140	13202	10.683	10.822
2	11.548	rBV	0.517	7050724	11.325	11.842
3	12.512	rBV	0.140	34381-S	12.456	12.596
4	12.610	rVB	0.098	12162	12.596	12.693
5	13.908	rVB	0.196	22462	13.824	14.020
6	15.416	rBV	0.140	30978-S	15.305	15.444
7	15.514	rVV	0.112	26069	15.486	15.598
8	15.682	rVB	0.210	82008-S	15.626	15.836
9	16.283 ✓	rBV	0.224	238371-IS	16.185	16.409
10	16.772	rBV	0.140	46588-S	16.716	16.856
11	17.065	rVB	0.154	11151	16.981	17.135
12	17.833	rVB	0.126	10103	17.735	17.861
13	18.196	rBV	0.140	22319-S	18.154	18.294
14	20.430	rBV	0.280	291680-IS	20.374	20.653
15	24.128	rBV	0.154	41952-S	24.073	24.226
16	26.377	rBV	0.196	292825-IS	26.307	26.503
17	29.196	rBV	0.140	23424-S	29.099	29.238
18	31.473	rBV	0.280	300203-IS	31.361	31.641
19	33.540	rBV	0.196	24237-T	33.443	33.638
20	36.556	rBV	0.084	10020	36.514	36.598
21	36.947	rBV	0.168	72407-S	36.863	37.031
22	38.664	rBV	0.140	10559	38.608	38.748
23	39.922	rBV	0.098	12337	39.908	40.006
24	40.076	rVB	0.140	24158	40.034	40.174
25	40.496	rVV	0.364	328670-IS	40.440	40.804
26	43.434	rVB	0.126	12681	43.391	43.517
27	44.748	rVB	0.098	12153	44.706	44.803
28	45.851	rBV	0.252	253919-IS	45.781	46.032
29	48.031	rVB	0.098	10838	48.004	48.101
30	53.952	rVB	0.126	10253	53.882	54.007

Library Search Compound Report

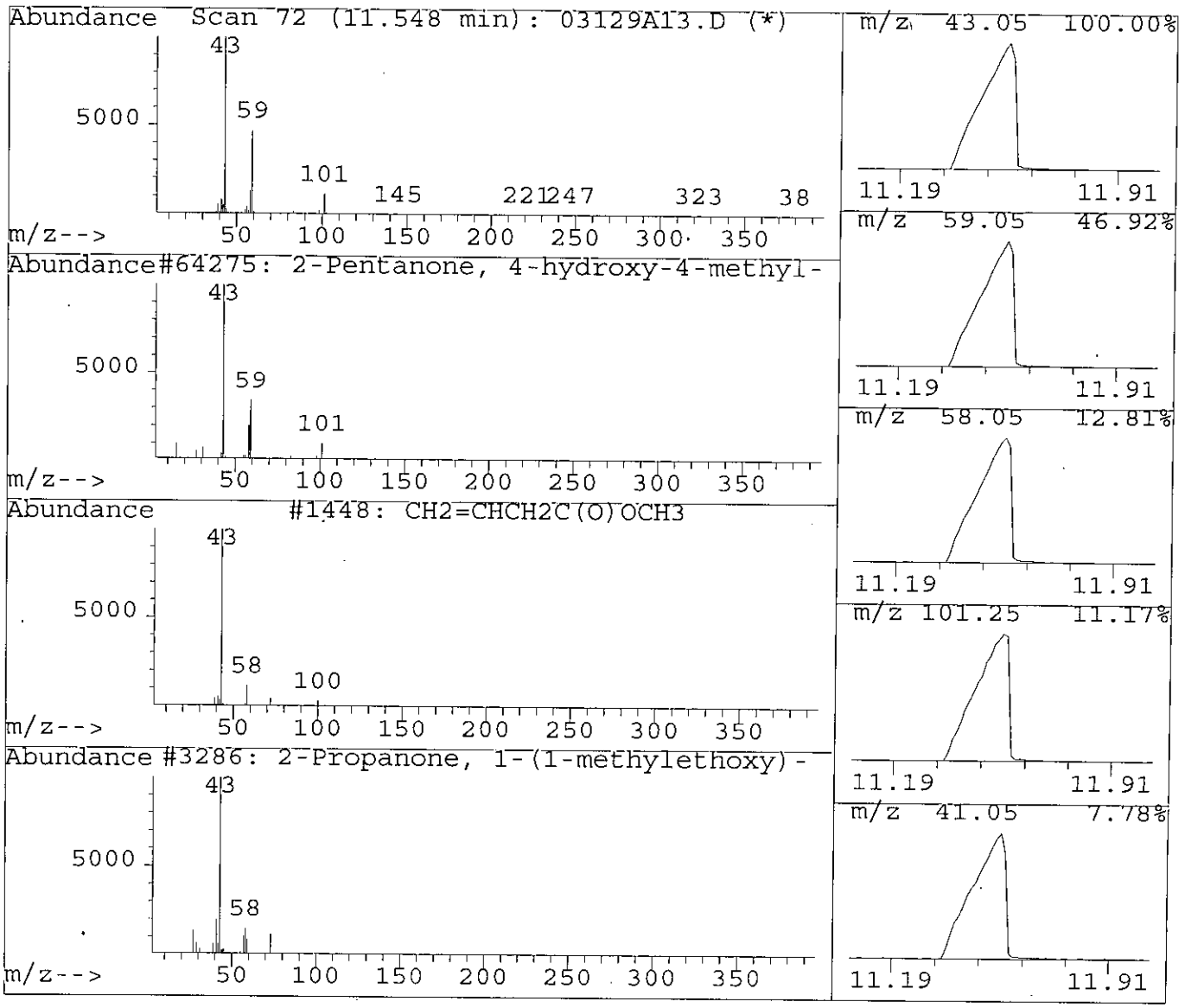
Data File : C:\HPCHEM\1\DATA\03129A13.D
Acq On : 13 Mar 99 12:31 pm
Sample : 67831(1:10)
Misc * : American Glue & Resin P#99187

Vial: 13
Operator: ESAT
Inst : 5988
Multiplr: 4164.93

Method : C:\HPCHEM\1\METHODS\03129A02.M
Title : semivolatiles
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	R.T.
11.55	5172056.29 ug/ml	7050724	1,4-DICHLOROBENZENE-D4	16.28

Hit# of 20	Tentative ID	Ref#	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	64275	000123-42-2	50
2	CH2=CHCH2C(O)OCH3	1448	003724-55-8	12
3	2-Propanone, 1-(1-methylethoxy)-	3286	042781-12-4	9
4	Butane	62336	000106-97-8	7
5	2,3-Butanedione, monooxime	1607	000057-71-6	7



Library Search Compound Report

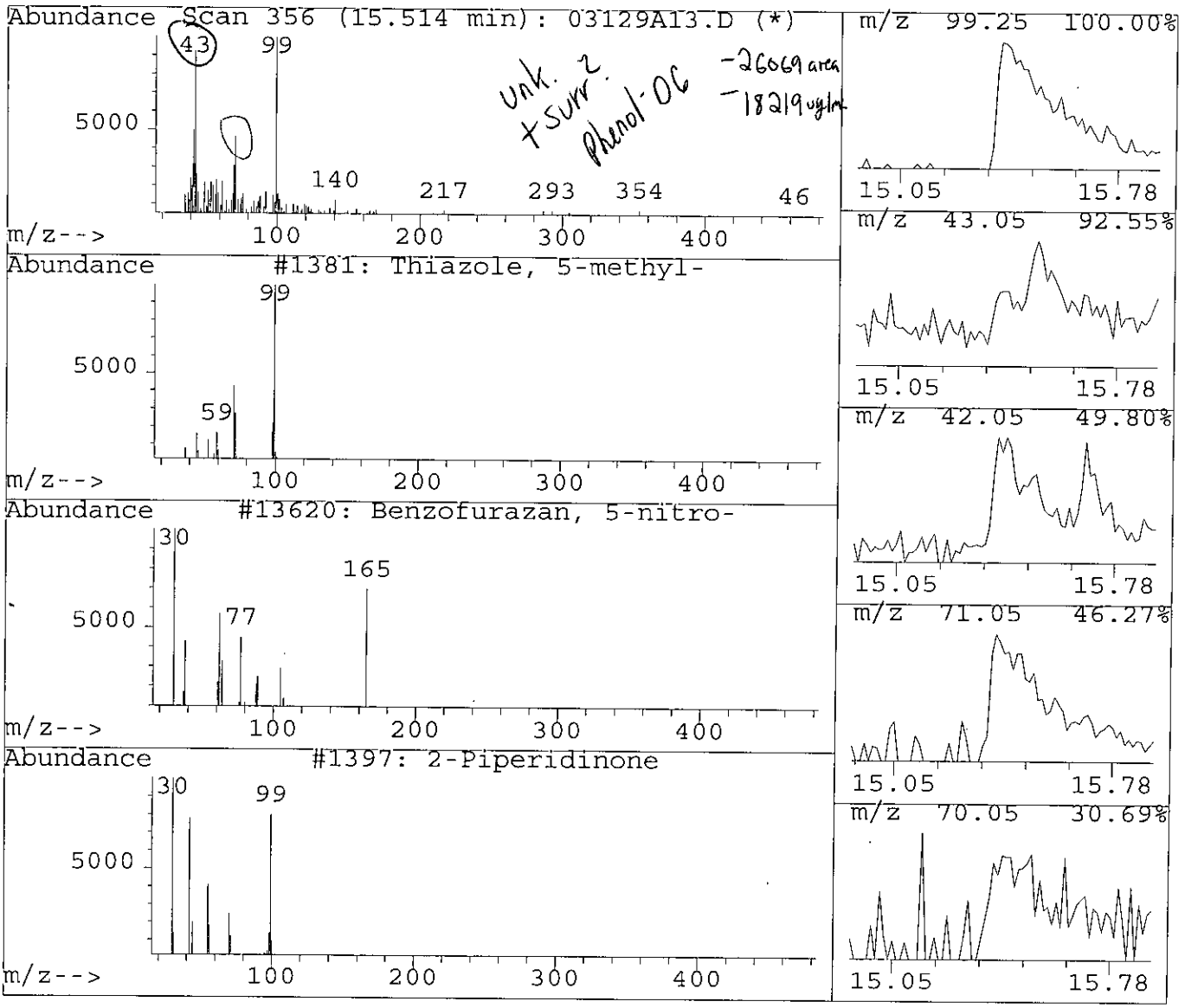
Data File : C:\HPCHEM\1\DATA\03129A13.D
Acq On : 13 Mar 99 12:31 pm
Sample : 67831(1:10)
Misc : American Glue & Resin P#99187

Vial: 13
Operator: ESAT
Inst : 5988
Multiplr: 4164.93

Method : C:\HPCHEM\1\METHODS\03129A02.M
Title : semivolatiles
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	R.T.
15.42	19549.83 ug/ml	26651	1,4-DICHLOROBENZENE-D4	16.28

Hit# of 20	Tentative ID	Ref#	CAS#	Qual
1	Thiazole, 5-methyl-	1381	003581-89-3	20
2	Benzofurazan, 5-nitro-	13620	018772-11-7	11
3	2-Piperidinone	1397	000675-20-7	11
4	1-Pyrrolidinecarboxaldehyde	1402	003760-54-1	11
5	2H-Pyran-2-one, 6-heptyltetrahydro-	69623	000713-95-1	11



1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

S67829D

Lab EPA REG 1 Contract:

Proj 99187 Site: AMERICAN Location: Group:

Matrix: (soil/wat SOIL Lab Sample ID: S67829D

Wet Sample wt/vol: 5.1 (g/mL) G Lab File ID: 03129A09.D

Day 1.1 Collection: 3/2/99

Level: (low/m MED Date Received: 3/3/99

% 79 decanted: (Y/N): Y Date Extracted: 3/9/99

Concentrated Extract Volume 1000 (uL) Date Analyzed: 3/12/99

Injection Volume 1.0 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y N pH: 0 Report Factor: 27.7

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
62-53-3	ANILINE	92000	UD
108-95-2	PHENOL	92000	UD
111-44-4	BIS(2-CHLOROETHYL) ETHER	92000	UD
95-57-8	2-CHLOROPHENOL	92000	UD
541-73-1	1,3-DICHLOROBENZENE	92000	UD
106-46-7	1,4-DICHLOROBENZENE	92000	UD
100-51-6	BENZYL ALCOHOL	92000	UD
95-50-1	1,2-DICHLOROBENZENE	92000	UD
95-48-7	2-METHYLPHENOL	92000	UD
108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	92000	UD
106-44-5	4-METHYLPHENOL	92000	UD
621-64-7	N-NITROSODIPROPYLAMINE	92000	UD
67-72-1	HEXACHLOROETHANE	92000	UD
98-95-3	NITROBENZENE	92000	UD
78-59-1	ISOPHORONE	92000	UD
88-75-5	2-NITROPHENOL	92000	UD
105-67-9	2,4-DIMETHYLPHENOL	92000	UD
111-91-1	BIS(2-CHLOROETHOXY)METHANE	92000	UD
65-85-0	BENZOIC ACID	92000	UD
120-83-2	2,4-DICHLOROPHENOL	92000	UD
120-82-1	1,2,4-TRICHLOROBENZENE	92000	UD
91-20-3	NAPHTHALENE	92000	UD
106-47-8	4-CHLOROANILINE	92000	UD
87-68-3	HEXACHLOROBUTADIENE	92000	UD
59-50-7	4-CHLORO-3-METHYLPHENOL	92000	UD
91-57-6	2-METHYLNAPHTHALENE	92000	UD
77-47-4	HEXACHLOROCYCLOPENTADIENE	92000	UD
88-06-2	2,4,6-TRICHLOROPHENOL	92000	UD
95-95-4	2,4,5-TRICHLOROPHENOL	92000	UD
91-58-7	2-CHLORONAPHTHALENE	92000	UD
88-74-4	2-NITROANILINE	92000	UD
131-11-3	DIMETHYLPHTHALATE	49000	UD
208-96-8	ACENAPHTHYLENE	92000	UD

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

S67829D

Lab EPA REG 1 Contract:

Proj 99187 Site: AMERICAN Location: Group:

Matrix: (soil/wat SOIL Lab Sample ID: S67829D

Sample wt/vol: 5.1 (g/mL) G Lab File ID: 03129A09.D

Level: (low/m MED Date Received: 3/3/99

% 79 decanted: (Y/N): Y Date Extracted: 3/9/99

Concentrated Extract Volume 1000 (uL) Date Analyzed: 3/12/99

Injection Volume 1.0 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y N pH: 0

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
606-20-2	2,6-DINITROTOLUENE	92000	UD
99-09-2	3-NITROANILINE	92000	UD
83-32-9	ACENAPHTHENE	92000	UD
51-28-5	2,4-DINITROPHENOL	92000	UD
132-64-9	DIBENZOFURAN	92000	UD
100-02-7	4-NITROPHENOL	92000	UD
121-14-2	2,4-DINITROTOLUENE	92000	UD
84-66-2	DIETHYLPHTHALATE	92000	UD
86-73-7	FLUORENE	92000	UD
7005-72-3	4-CHLOROPHENYL-PHENYLETHER	92000	UD
100-01-6	4-NITROANILINE	92000	UD
534-52-1	4,6-DINITRO-2-METHYLPHENOL	92000	UD
86-30-6	N-NITROSODIPHENYLAMINE	92000	UD
103-33-3	DIPHENYLHYDRAZINE(AZOBENZENE)	92000	UD
101-55-3	4-BROMOPHENYL-PHENYLETHER	92000	UD
319-84-6	BHC ISOMER (ALPHA)	92000	UD
118-74-1	HEXACHLOROBENZENE	92000	UD
319-85-7	BHC ISOMER (BETA)	92000	UD
87-86-5	PENTACHLOROPHENOL	92000	UD
58-89-9	LINDANE-BHC ISOMER (GAMA)	92000	UD
85-01-8	PHENANTHRENE	92000	UD
120-12-7	ANTHRACENE	92000	UD
319-86-8	BHC ISOMER (DELTA)	92000	UD
86-74-8	CARBAZOLE	92000	UD
76-44-8	HEPTACHLOR	92000	UD
84-74-2	DIBUTYLPHTHALATE	92000	UD
309-00-2	ALDRIN	92000	UD
1024-57-3	HEPTACHLOR EPOXIDE	92000	UD
206-44-0	FLUORANTHENE	92000	UD
129-00-0	PYRENE	92000	UD
959-98-8	ENDOSULFAN I	92000	UD
72-55-9	P,P-DDE	92000	UD
60-57-1	DIELDRIN	92000	UD

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

S67829D

Lab EPA REG 1 Contract:

Proj 99187 Site: AMERICAN Location: Group:

Matrix: (soil/wat SOIL Lab Sample ID: S67829D

Sample wt/vol: 5.1 (g/mL) G Lab File ID: 03129A09.D

Level: (low/m MED Date Received: 3/3/99

% 79 decanted: (Y/N): Y Date Extracted: 3/9/99

Concentrated Extract Volume 1000 (uL) Date Analyzed: 3/12/99

Injection Volume 1.0 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y N pH: 0

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
72-20-8	ENDRIN	92000	UD
33213-65-9	ENDOSULFAN II	92000	UD
72-54-8	P,P-DDD	92000	UD
85-68-7	BUTYLBENZYLPHTHALATE	92000	UD
50-29-3	P,P-DDT	92000	UD
1031-07-8	ENDOSULFAN SULFATE	92000	UD
72-43-5	METHOXYCHLOR	92000	UD
53494-70-5	ENDRIN KETONE	92000	UD
91-94-1	3,3-DICHCHLOROBENZIDINE	92000	UD
56-55-3	BENZ(A)ANTHRACENE	92000	UD
218-01-9	CHRYSENE	92000	UD
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	92000	UD
117-84-0	DI-N-OCTYLPHTHALATE	92000	UD
205-99-2	BENZO(B)FLUORANTHENE	92000	UD
207-08-9	BENZO(K)FLUORANTHENE	92000	UD
50-32-8	BENZO(A)PYRENE	92000	UD
193-39-5	INDENO(1,2,3-CD)PYRENE	92000	UD
53-70-3	DIBENZO(A,H)ANTHRACENE	92000	UD
191-24-2	BENZO(GHI)PERYLENE	92000	UD

QUANTITATION SHEET

SAMPLE NUMBER 67829
Tentatively Identified Compounds

SCAN NO.	COMPOUND	PROB. MATCH	CONC (ug/ml)	EST. C. (ug/kg)	CAS NO.	CHEM. FORM.
62	4-Hydroxy-4-methyl-2-pentanone	53		~100,000AB	123-42-2	
2035	C24 Hydrocarbon	81	-	~70000 J	-	
2193	C26 Hydrocarbon	90	-	~80,000J	-	
2271	C28 Hydrocarbon	96	-	~80,000J	-	
2356	C28 Hydrocarbon	97	-	~90,000J	-	
2451	C28 Hydrocarbon	95	-	~90,000J	-	

~ = Approximate
< = Less than
> = Greater than
NA = Not available due to dilution or interference
E = Estimated value that exceeds the calibration range
L = Estimated value that is below the calibration range
B = Analyte associated with the lab, trip blank. Reported values are 5X higher than blank. Phthalates must be 10X.

Quantitation Report

Data File : C:\HPCHEM\1\DATA\03129A09.D
Acq On : 12 Mar 99 6:19 pm
Sample : 67829 (1:10)
Misc : American Glue & Resin P#99187
Quant Time: Mar 13 10:04 1999

Vial: 9
Operator: ESAT
Inst : 5988
Multiplr: 9233.61

Method : C:\HPCHEM\1\METHODS\03129A01.M
Title : semivolatiles
Last Update : Fri Mar 12 11:19:03 1999
Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DICHLOROBENZENE-D4	16.30	150	46857	40.00	ug/ml	-0.01
19) NAPHTHALENE-D8	20.44	136	113943	40.00	ug/ml	-0.02
34) ACENAPHTHENE-D10	26.39	164	57248	40.00	ug/ml	-0.02
54) PHENANTHRENE-D10	31.49	188	108153	40.00	ug/ml	-0.02
74) CHRYSENE-D12	40.50	240	106160	40.00	ug/ml	-0.03
92) PERYLENE-D12	45.86	264	85395	40.00	ug/ml	-0.03
System Monitoring Compounds						%Recovery
2) FLUOROPHENOL	12.50	112	11646	13.00	ug/ml	6.50%
4) PHENOL-D5	15.39	99	18353	14.90	ug/ml	7.45%
5) 2-CHLOROPHENOL-D4	15.68	132	18237	19.66	ug/ml	9.83%
12) 1,2-DICHLOROBENZENE-D4	16.78	150	9218	8.63	ug/ml	8.63%
20) NITROBENZENE-D5	18.20	82	12224	7.27	ug/ml	7.27%
38) FLUOROBIPHENYL	24.13	172	18353	9.57	ug/ml	9.57%
58) 2,4,6-TRIBROMOPHENOL	29.14	330	9107	21.05	ug/ml	10.52%
78) P-TERPHENYL-D14	36.95	244	25330	9.64	ug/ml	9.64%
Target Compounds						Qvalue
41) DIMETHYLPHTHALATE	25.58	163	11878	48860.82	ug/ml	93

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

Quantitation Report

Data File : c:\hpchem\1\data\03129a09.d
Acq On : 12 Mar 99 6:19 pm
Sample : 67829 (1:10)
Misc : American Glue & Resin P#99187
Quant Time: Mar 13 8:43 1999

Vial: 9
Operator: ESAT
Inst : 5988
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\03129A01.M
Title : semivolatiles
Last Update : Fri Mar 12 11:19:03 1999
Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DICHLOROBENZENE-D4	16.30	150	46857	40.00	ug/ml	-0.01
19) NAPHTHALENE-D8	20.44	136	113943	40.00	ug/ml	-0.02
34) ACENAPHTHENE-D10	26.39	164	57248	40.00	ug/ml	-0.02
54) PHENANTHRENE-D10	31.49	188	108153	40.00	ug/ml	-0.02
74) CHRYSENE-D12	40.50	240	106160	40.00	ug/ml	-0.03
92) PERYLENE-D12	45.86	264	85395	40.00	ug/ml	-0.03
System Monitoring Compounds						%Recovery
2) FLUOROPHENOL	12.50	112	11646	13.00	ug/ml	6.50%
4) PHENOL-D5	15.39	99	18353	14.90	ug/ml	7.45%
5) 2-CHLOROPHENOL-D4	15.68	132	18237	19.66	ug/ml	9.83%
12) 1,2-DICHLOROBENZENE-D4	16.78	150	9218	8.63	ug/ml	8.63%
20) NITROBENZENE-D5	18.20	82	12224	7.27	ug/ml	7.27%
38) FLUOROBIPHENYL	24.13	172	18353	9.57	ug/ml	9.57%
58) 2,4,6-TRIBROMOPHENOL	29.14	330	9107	21.05	ug/ml	10.52%
78) P-TERPHENYL-D14	36.95	244	25330	9.64	ug/ml	9.64%
Target Compounds						Qvalue
41) DIMETHYLPHTHALATE	25.58	163	11878	5.29	ug/ml	93
67) BHC ISOMER (DELTA)	31.69	181	3805	~~11.73 ug/ml#~~		6

wet wT = 5.110
DRY WT = 1.083
% moisT = 78.8
1ml FV
10x DIL
MW IT = 9233.610742

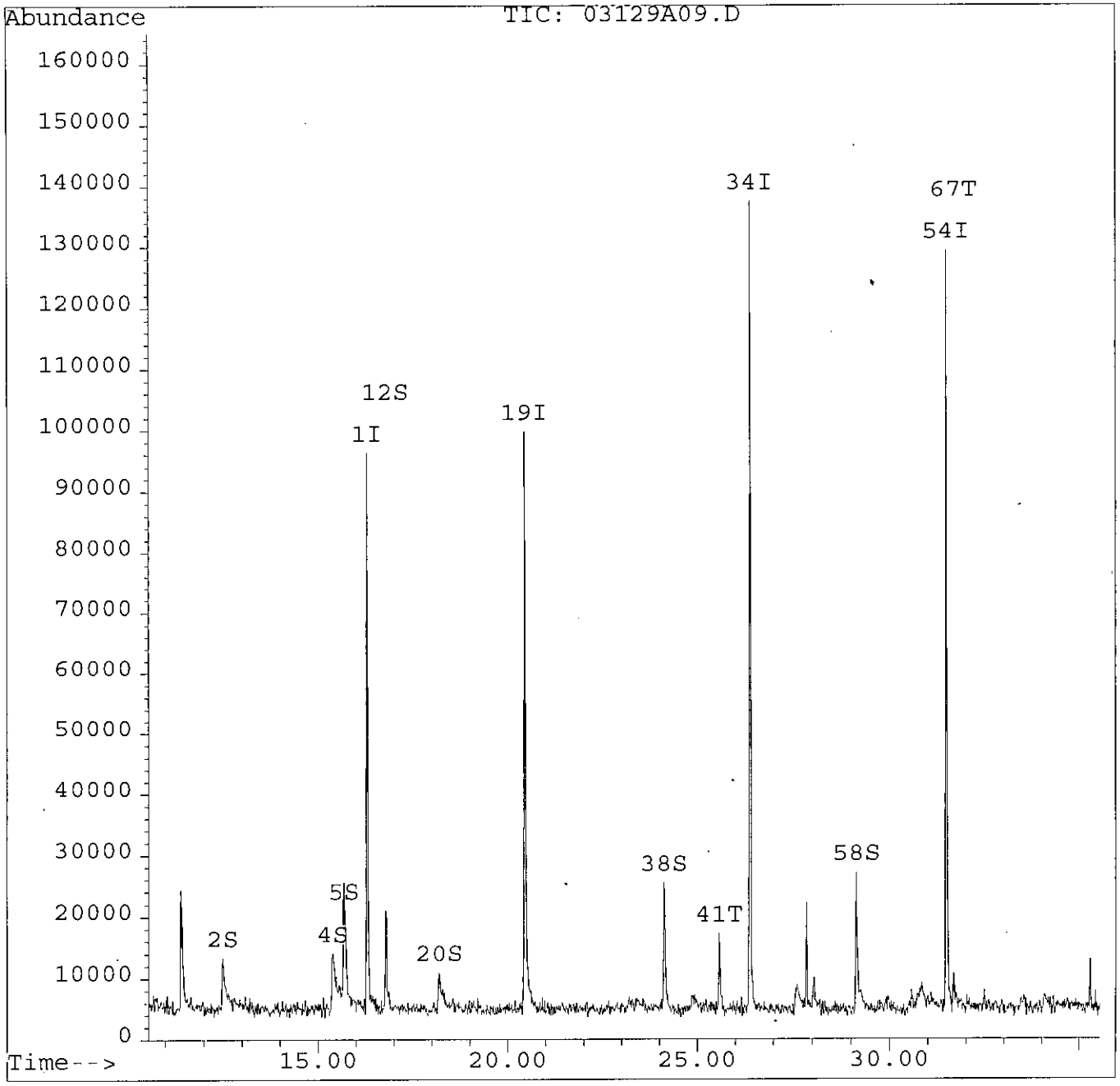
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : c:\hpchem\1\data\03129a09.d
Acq On : 12 Mar 99 6:19 pm
Sample : 67829 (1:10)
Misc : American Glue & Resin P#99187
Quant Time: Mar 13 8:43 1999

Vial: 9
Operator: ESAT
Inst : 5988
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\03129A01.M
Title : semivolatiles
Last Update : Fri Mar 12 11:19:03 1999
Response via : Single Level Calibration

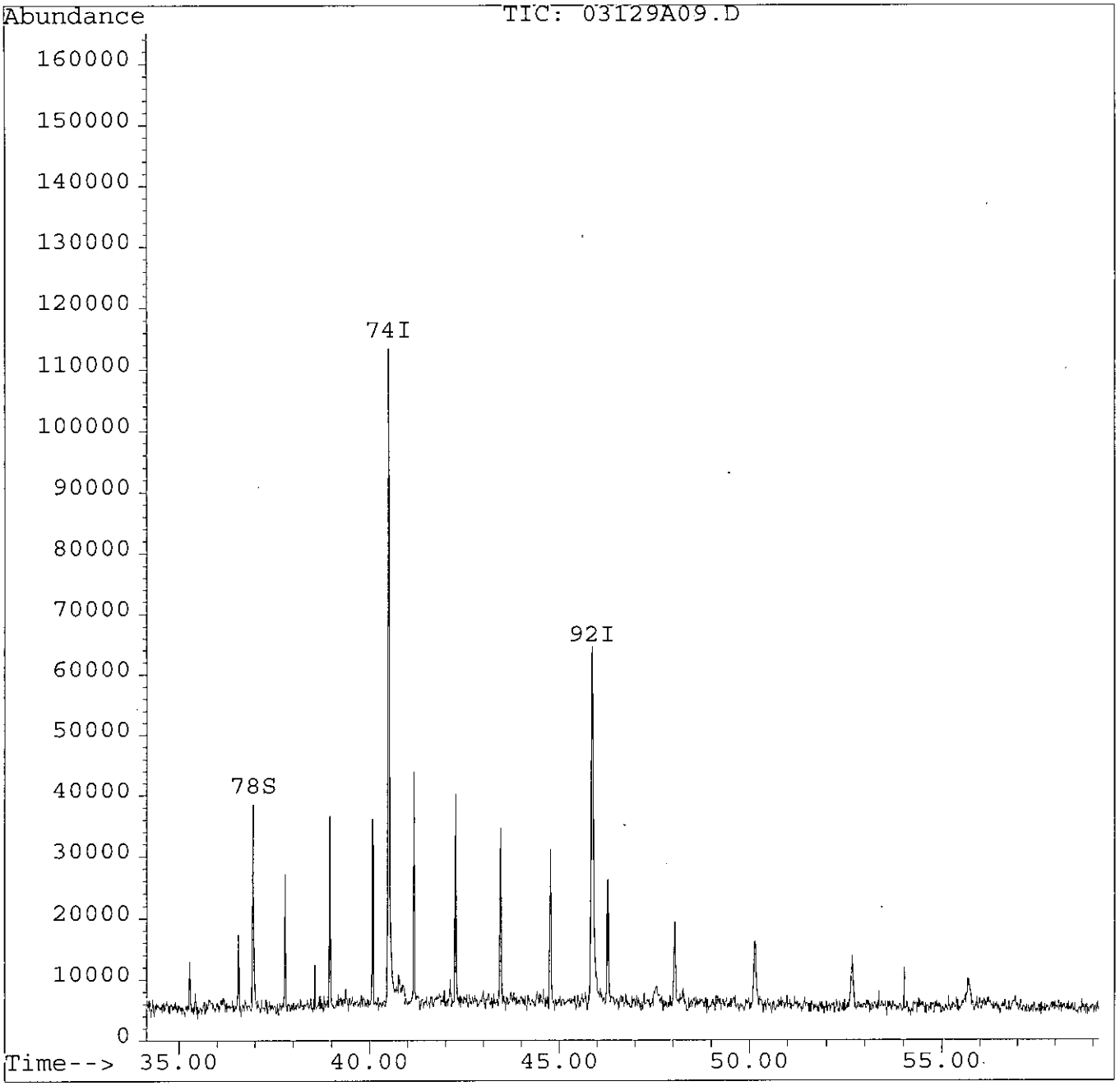


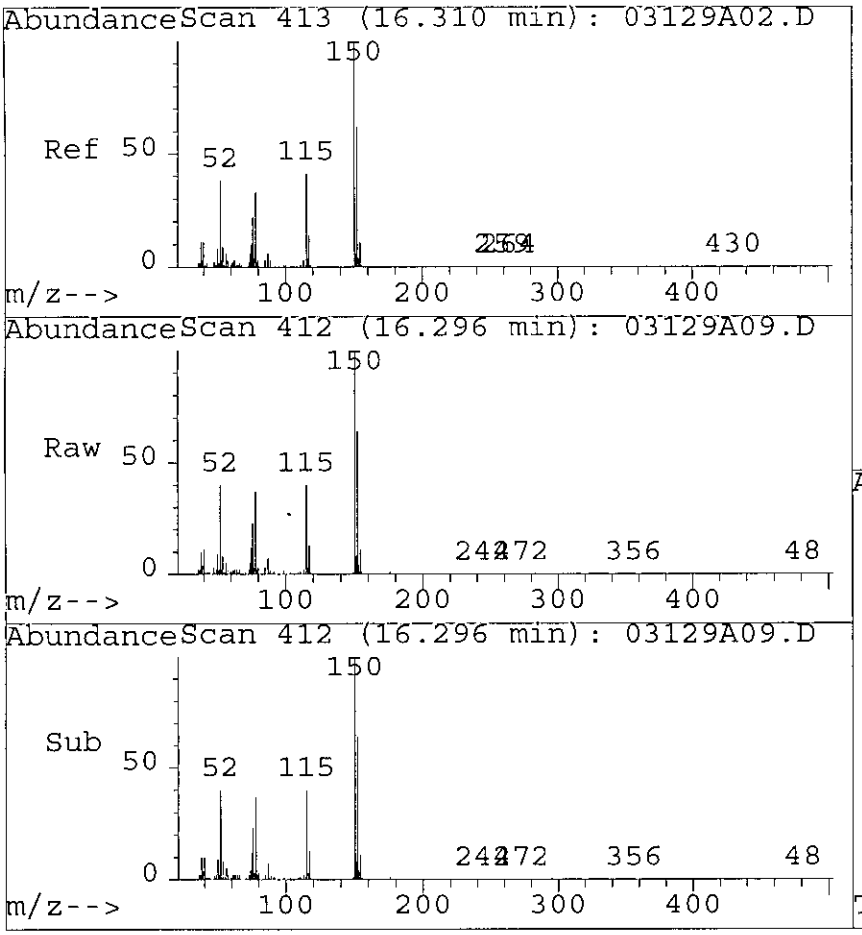
Quantitation Report

Data File : c:\hpchem\1\data\03129a09.d
Acq On : 12 Mar 99 6:19 pm
Sample : 67829 (1:10)
Misc : American Glue & Resin P#99187
Quant Time: Mar 13 8:43 1999

Vial: 9
Operator: ESAT
Inst : 5988
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\03129A01.M
Title : semivolatiles
Last Update : Fri Mar 12 11:19:03 1999
Response via : Single Level Calibration

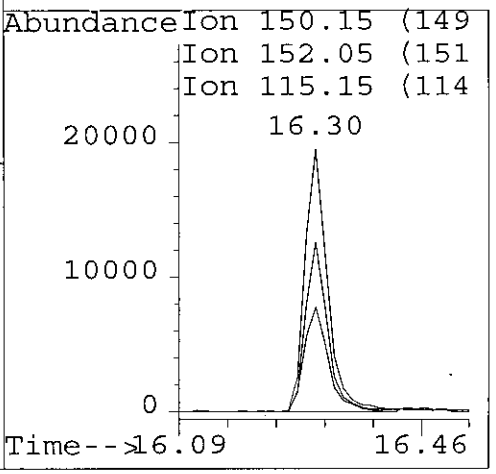


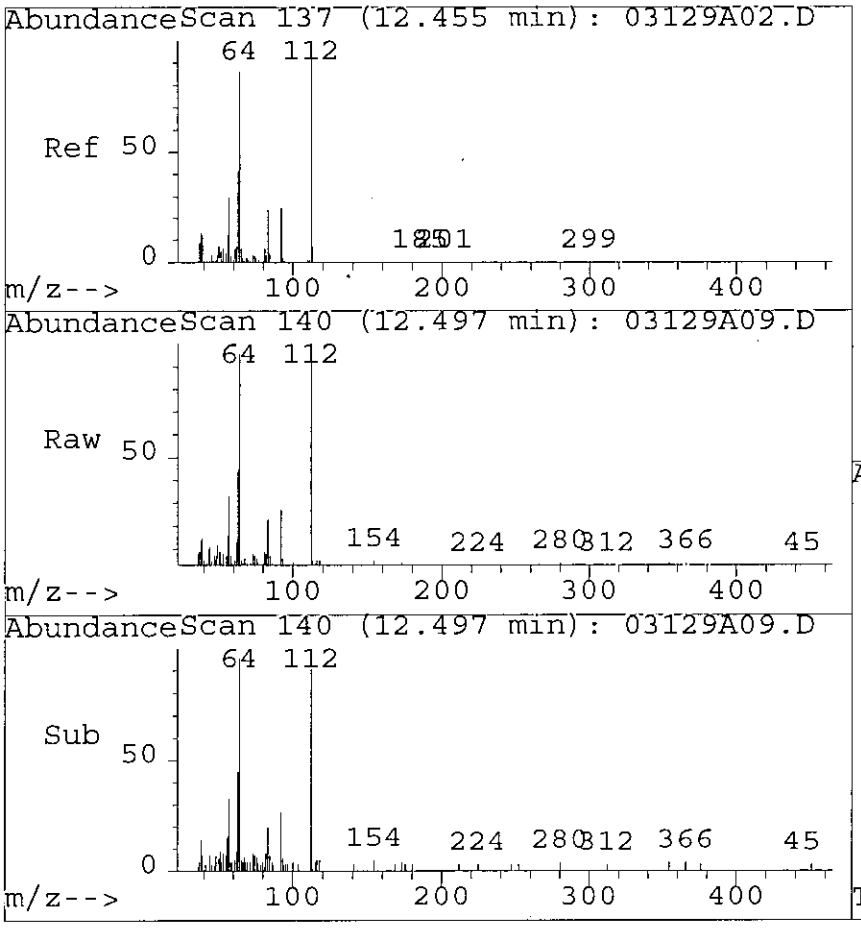


#1
1,4-DICHLOROBENZENE-D4
Concen: 40.00 ug/ml
RT: 16.30 min Scan# 412
Delta R.T. -0.01 min
Lab File: 03129a09.d
Acq: 12 Mar 99 6:19 pm

Tgt Ion:150.15 Resp: 46857

Ion	Ratio	Lower	Upper
150	100		
152	64.4	51.1	76.6
115	39.7	34.7	52.0
0	0.0	0.0	0.0

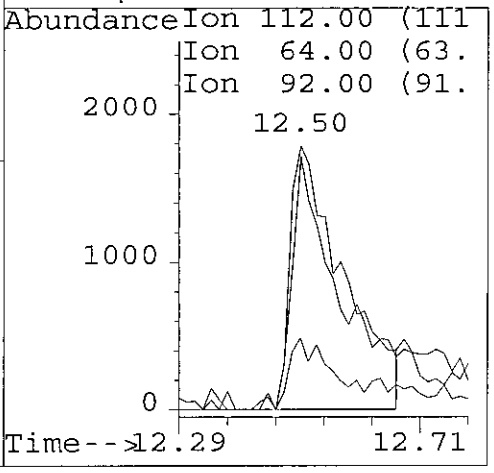


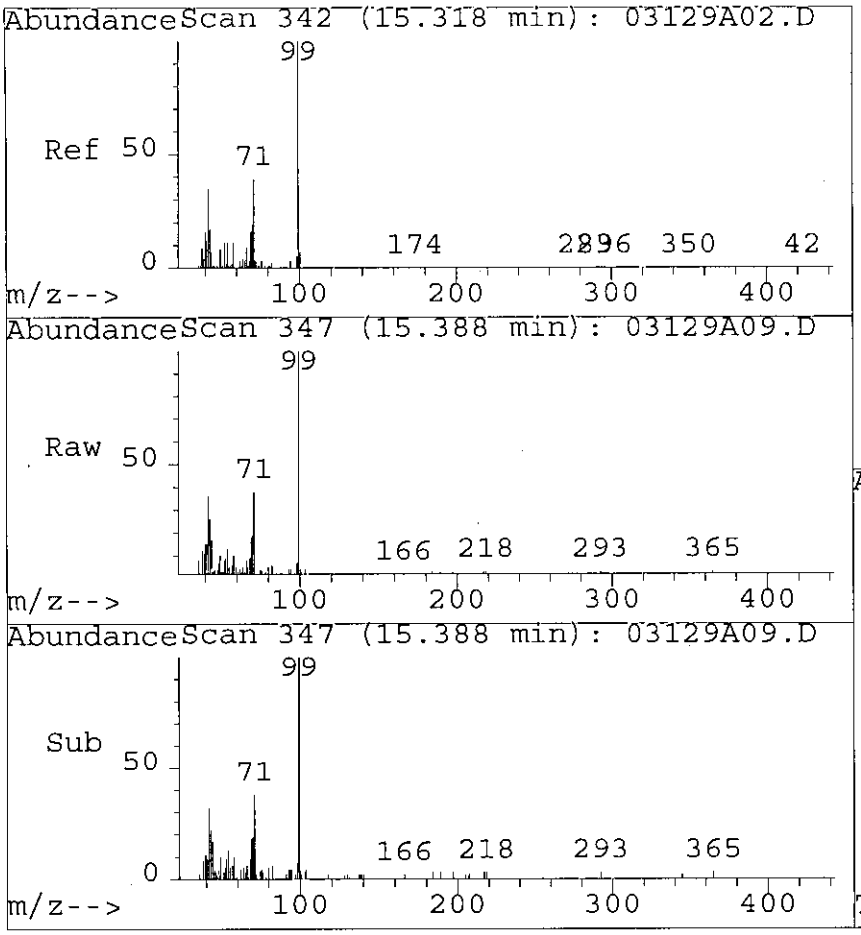


#2
FLUOROPHENOL
Concen: 13.00 ug/ml
RT: 12.50 min Scan# 140
Delta R.T. 0.04 min
Lab File: 03129a09.d
Acq: 12 Mar 99 6:19 pm

Tgt Ion:112 Resp: 11646

Ion	Ratio	Lower	Upper
112	100		
64	96.1	55.4	83.1#
92	27.5	24.7	37.0
0	0.0	0.0	0.0

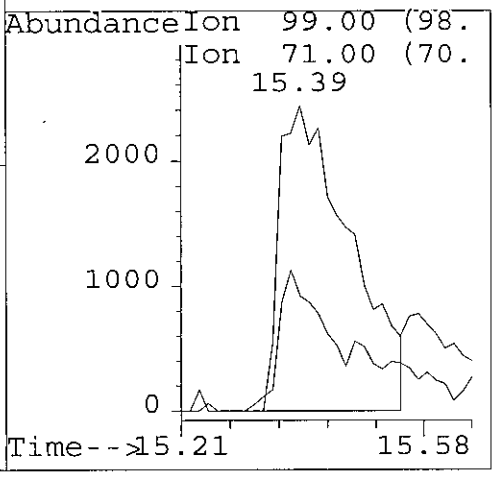


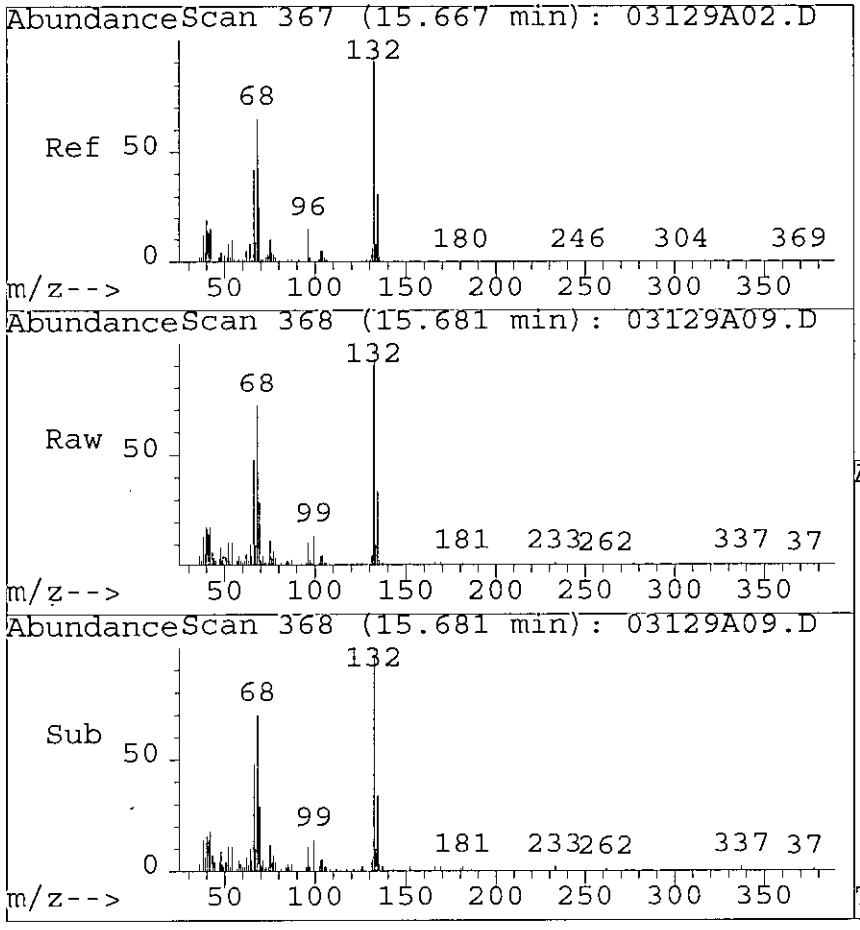


#4
PHENOL-D5
Concen: 14.90 ug/ml
RT: 15.39 min Scan# 347
Delta R.T. 0.07 min
Lab File: 03129a09.d
Acq: 12 Mar 99 6:19 pm

Tgt Ion:99 Resp: 18353

Ion	Ratio	Lower	Upper
99	100		
71	37.9	27.7	41.4
0	0.0	0.0	0.0
0	0.0	0.0	0.0

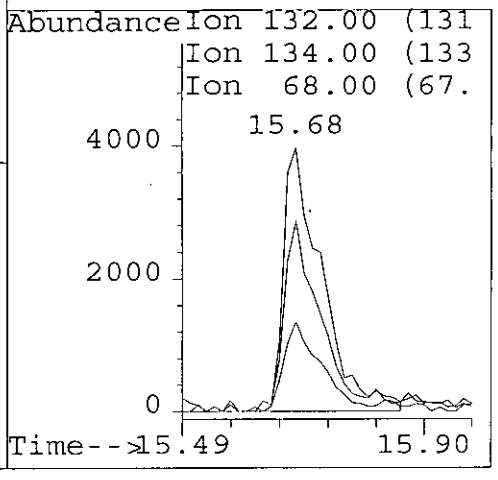


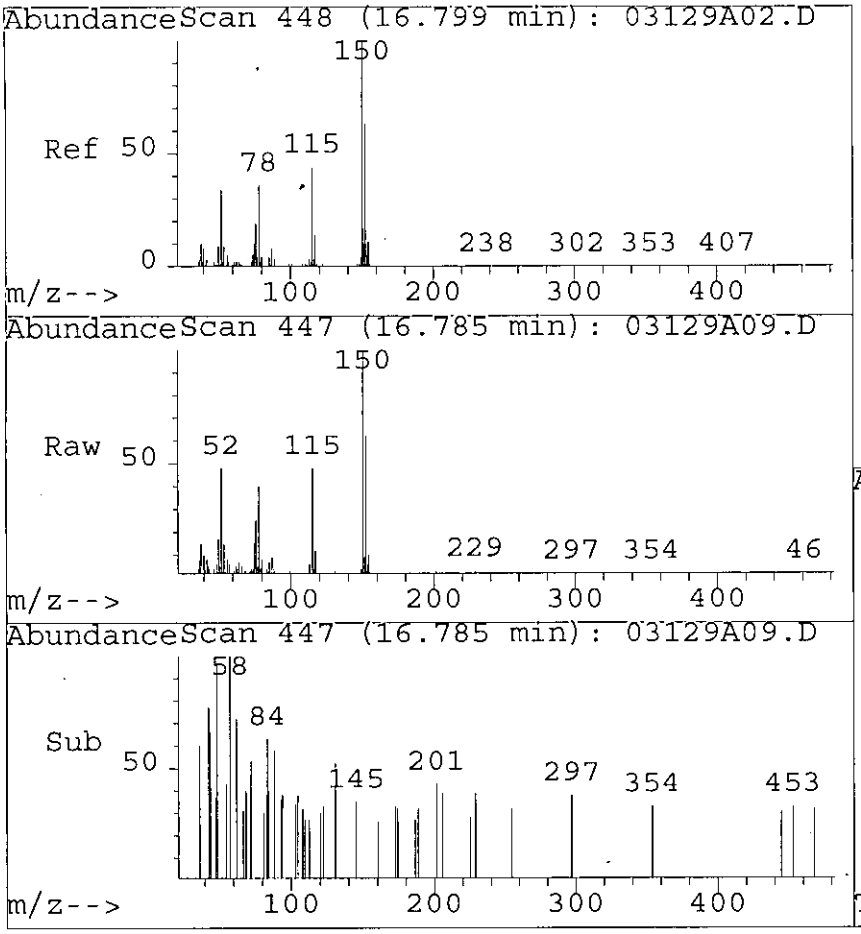


#5
2-CHLOROPHENOL-D4
Concen: 19.66 ug/ml
RT: 15.68 min Scan# 368
Delta R.T. 0.01 min
Lab File: 03129a09.d
Acq: 12 Mar 99 6:19 pm

Tgt Ion:132 Resp: 18237

Ion	Ratio	Lower	Upper
132	100		
134	34.0	24.0	35.9
68	72.2	40.0	59.9#
0	0.0	0.0	0.0

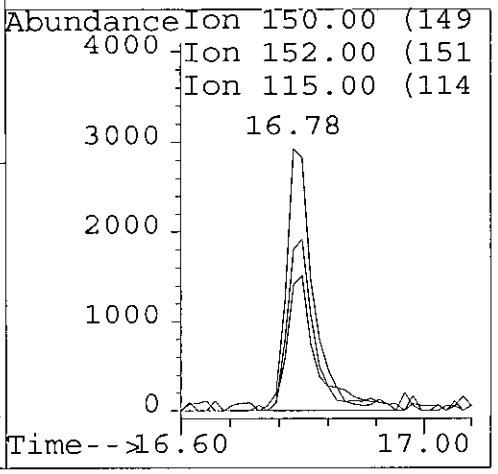


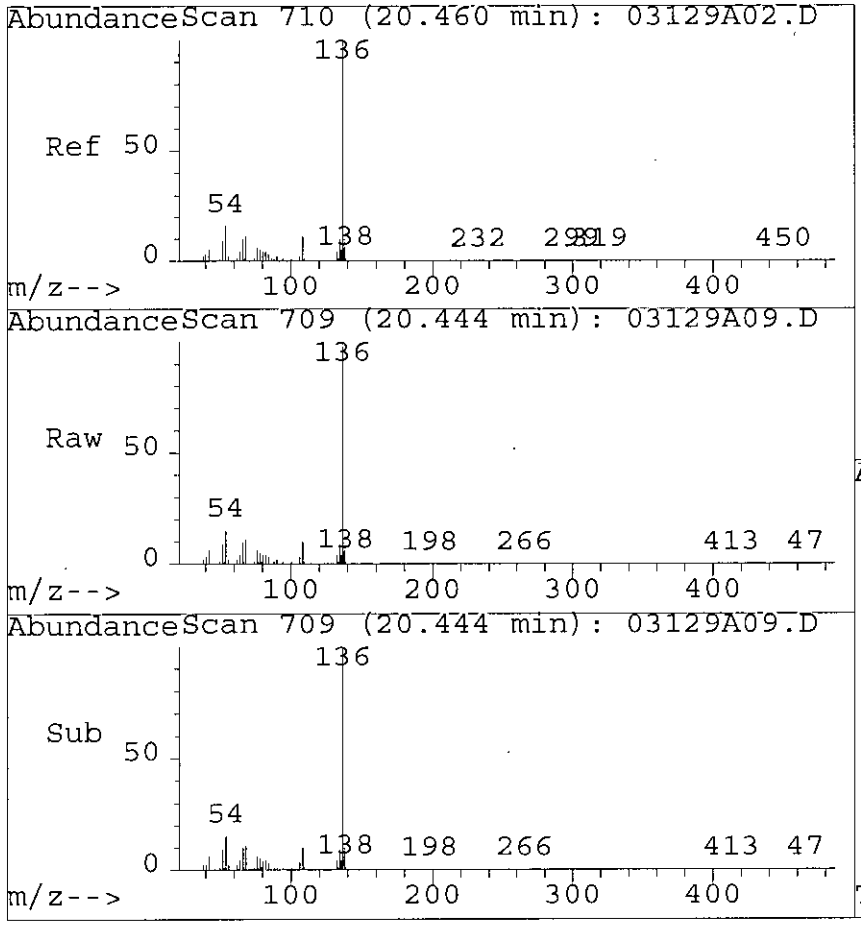


#12
1,2-DICHLOROBENZENE-D4
Concen: 8.63 ug/ml
RT: 16.78 min Scan# 447
Delta R.T. -0.01 min
Lab File: 03129a09.d
Acq: 12 Mar 99 6:19 pm

Tgt Ion:150 Resp: 9218

Ion	Ratio	Lower	Upper
150	100		
152	61.6	52.2	78.3
115	48.4	37.8	56.7
0	0.0	0.0	0.0

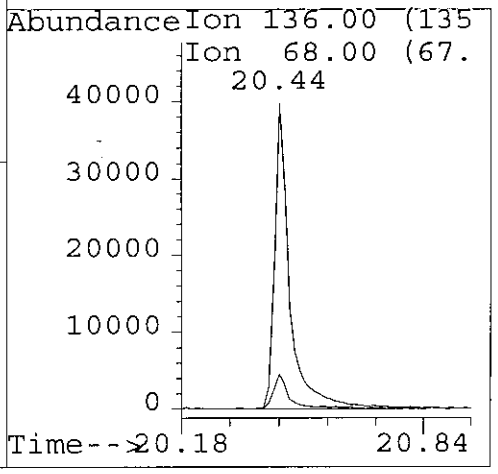


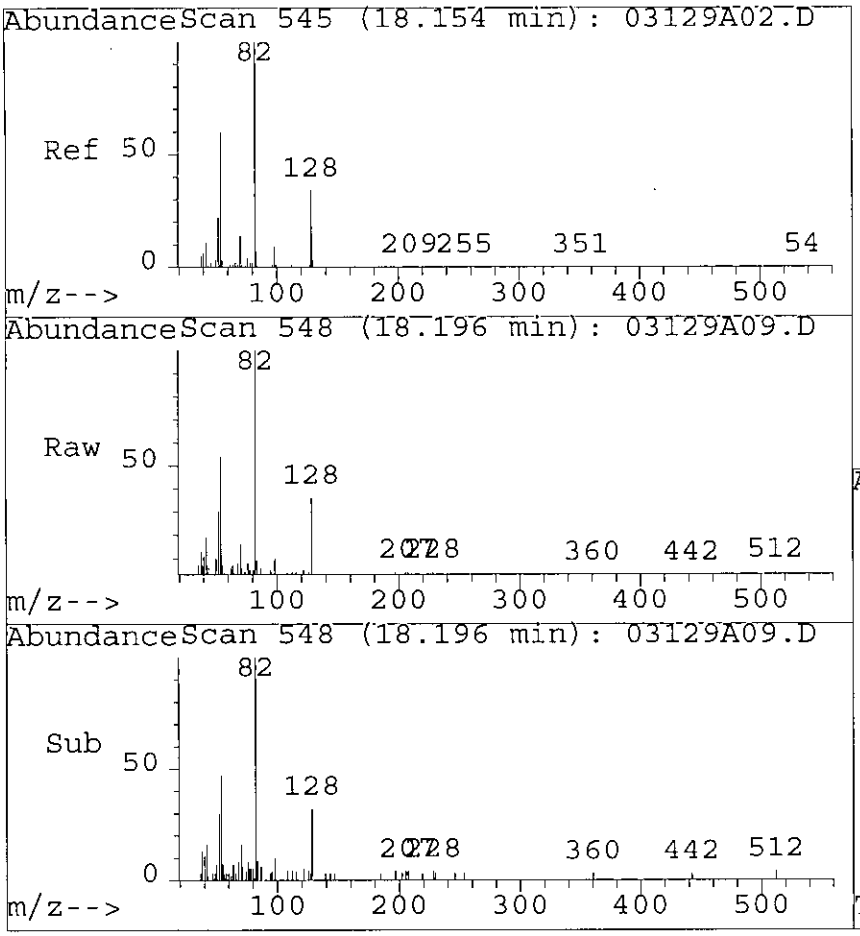


#19
NAPHTHALENE-D8
Concen: 40.00 ug/ml
RT: 20.44 min Scan# 709
Delta R.T. -0.02 min
Lab File: 03129a09.d
Acq: 12 Mar 99 6:19 pm

Tgt Ion:136 Resp: 113943

Ion	Ratio	Lower	Upper
136	100		
68	11.4	6.0	8.9#
0	0.0	0.0	0.0
0	0.0	0.0	0.0

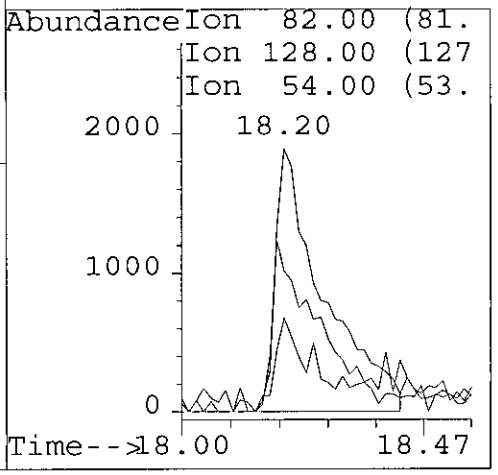


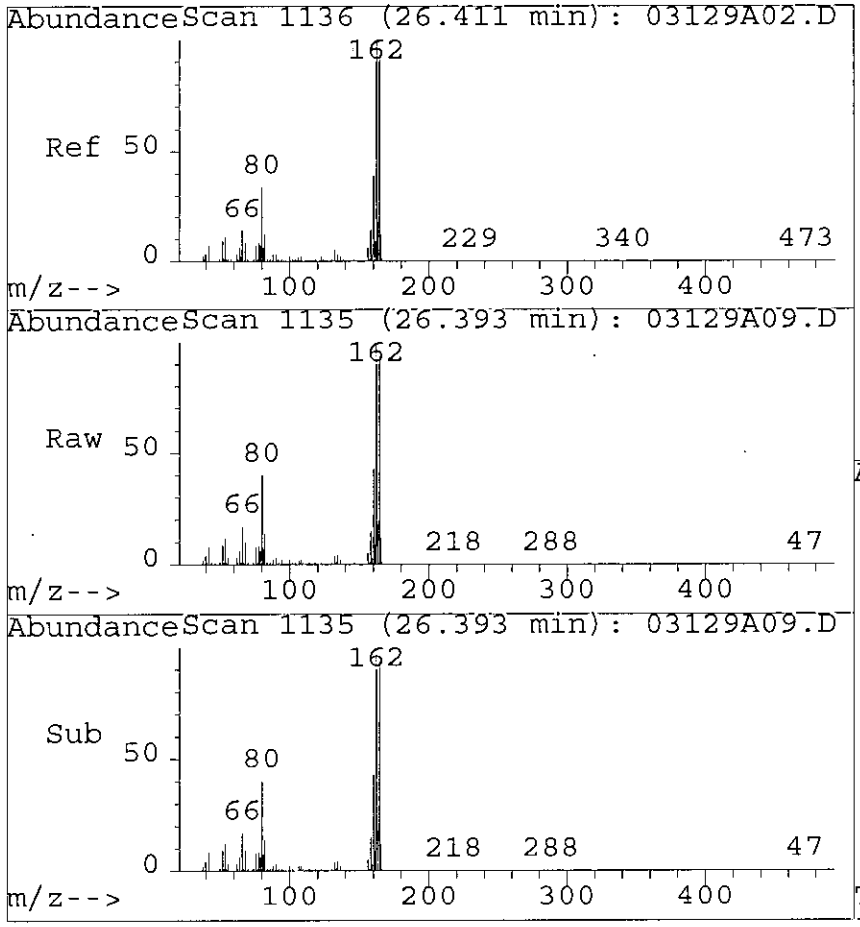


#20
NITROBENZENE-D5
Concen: 7.27 ug/ml
RT: 18.20 min Scan# 548
Delta R.T. 0.04 min
Lab File: 03129a09.d
Acq: 12 Mar 99 6:19 pm

Tgt Ion:82 Resp: 12224

Ion	Ratio	Lower	Upper
82	100		
128	35.9	34.4	51.5
54	53.7	42.9	64.4
0	0.0	0.0	0.0

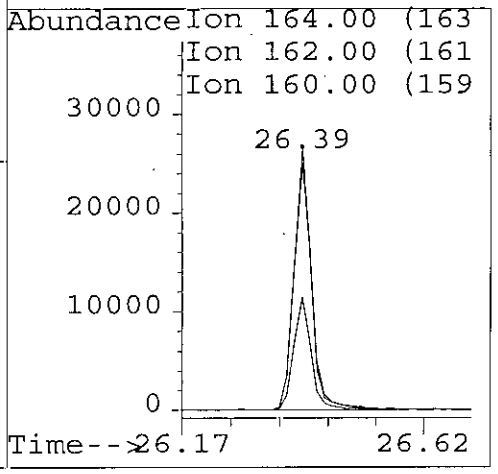


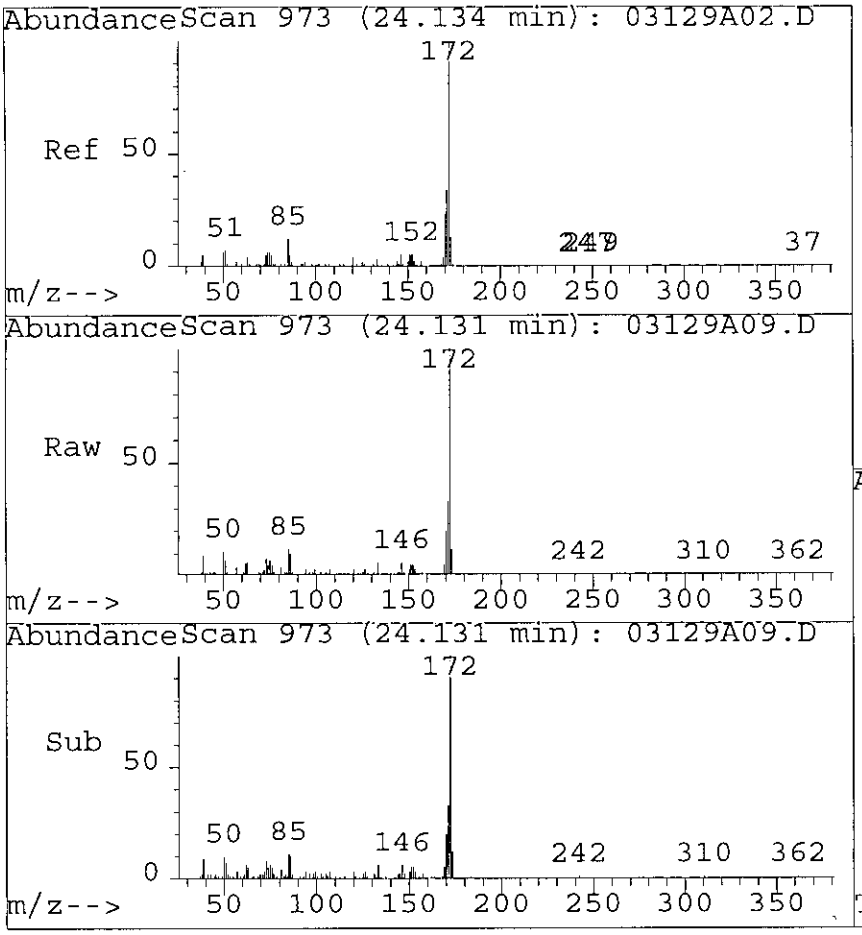


#34
ACENAPHTHENE-D10
Concen: 40.00 ug/ml
RT: 26.39 min Scan# 1135
Delta R.T. -0.02 min
Lab File: 03129a09.d
Acq: 12 Mar 99 6:19 pm

Tgt Ion:164 Resp: 57248

Ion	Ratio	Lower	Upper
164	100		
162	106.4	82.3	123.4
160	45.6	33.6	50.3
0	0.0	0.0	0.0

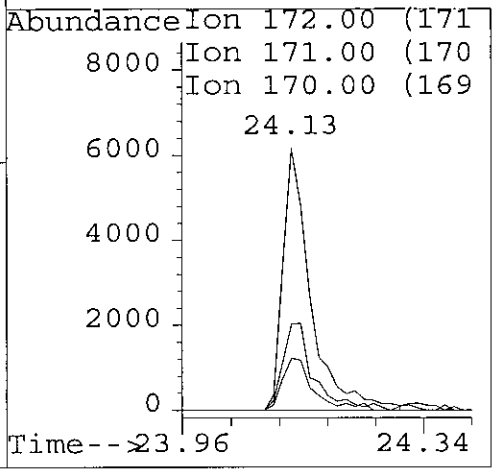


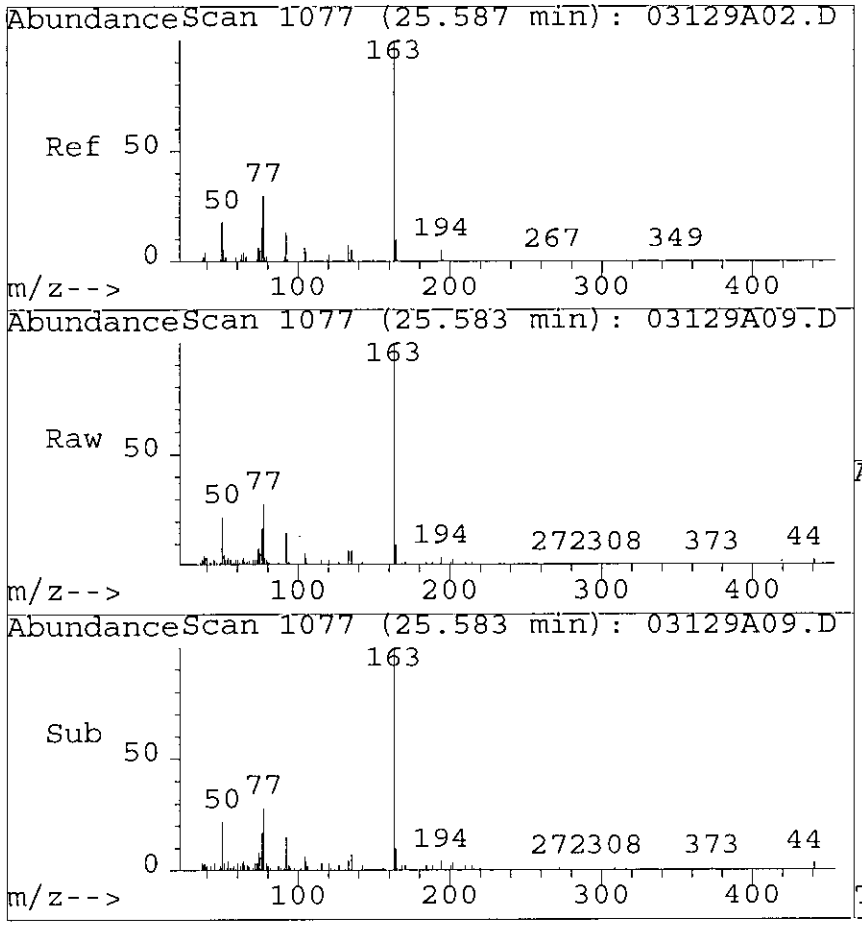


#38
FLUOROBIPHENYL
Concen: 9.57 ug/ml
RT: 24.13 min Scan# 973
Delta R.T. -0.00 min
Lab File: 03129a09.d
Acq: 12 Mar 99 6:19 pm

Tgt Ion:172 Resp: 18353

Ion	Ratio	Lower	Upper
172	100		
171	33.0	30.5	45.8
170	19.9	18.4	27.5
0	0.0	0.0	0.0

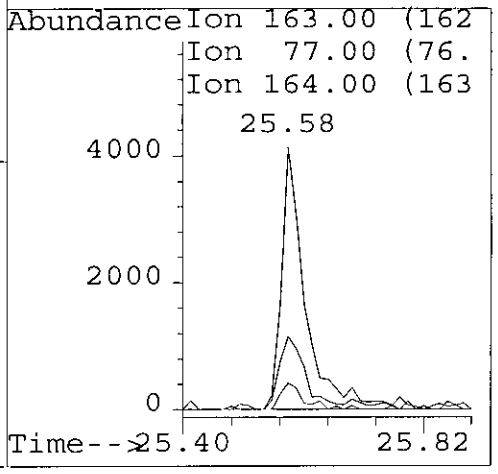


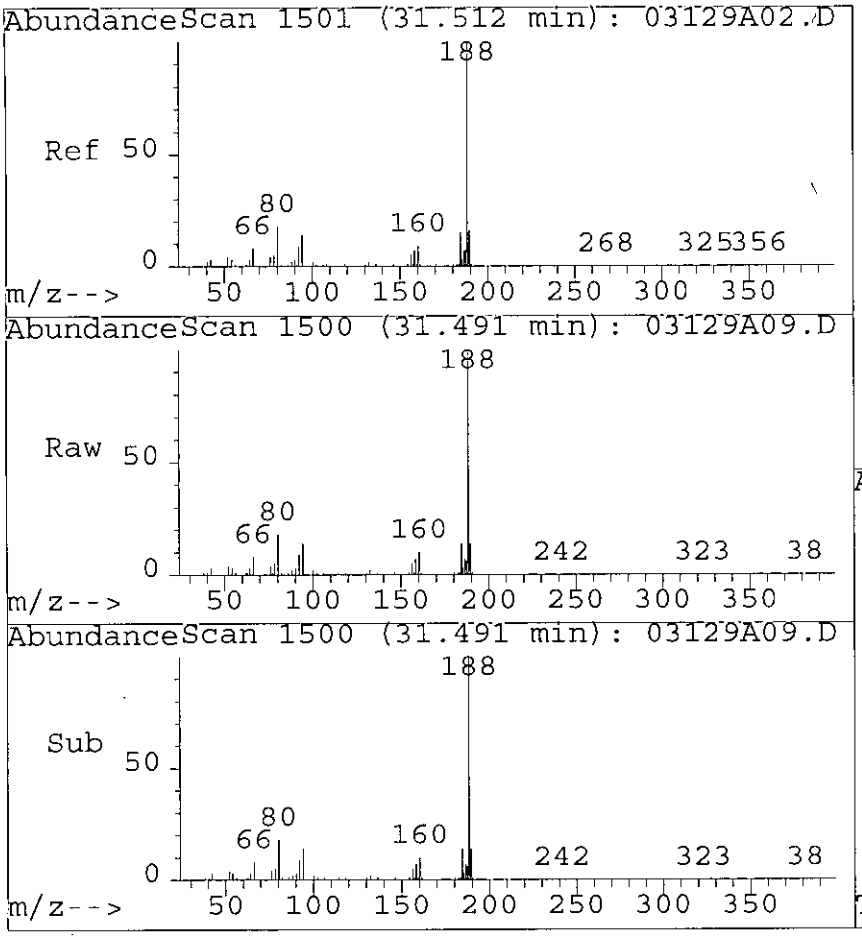


#41
DIMETHYLPHTHALATE ✓
Concen: 5.29 ug/ml
RT: 25.58 min Scan# 1077
Delta R.T. -0.00 min
Lab File: 03129a09.d
Acq: 12 Mar 99 6:19 pm

Tgt Ion:163 Resp: 11878

Ion	Ratio	Lower	Upper
163	100		
77	27.9	19.0	28.5
164	10.2	7.6	11.3
0	0.0	0.0	0.0

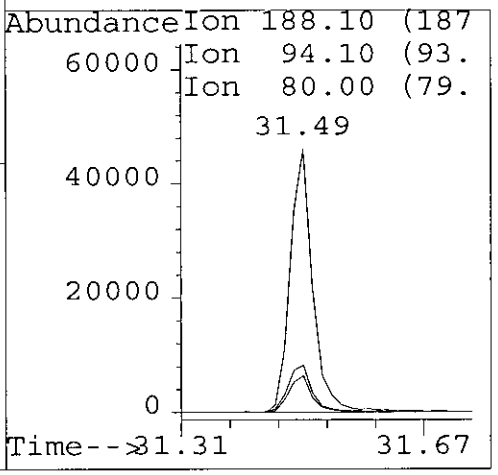


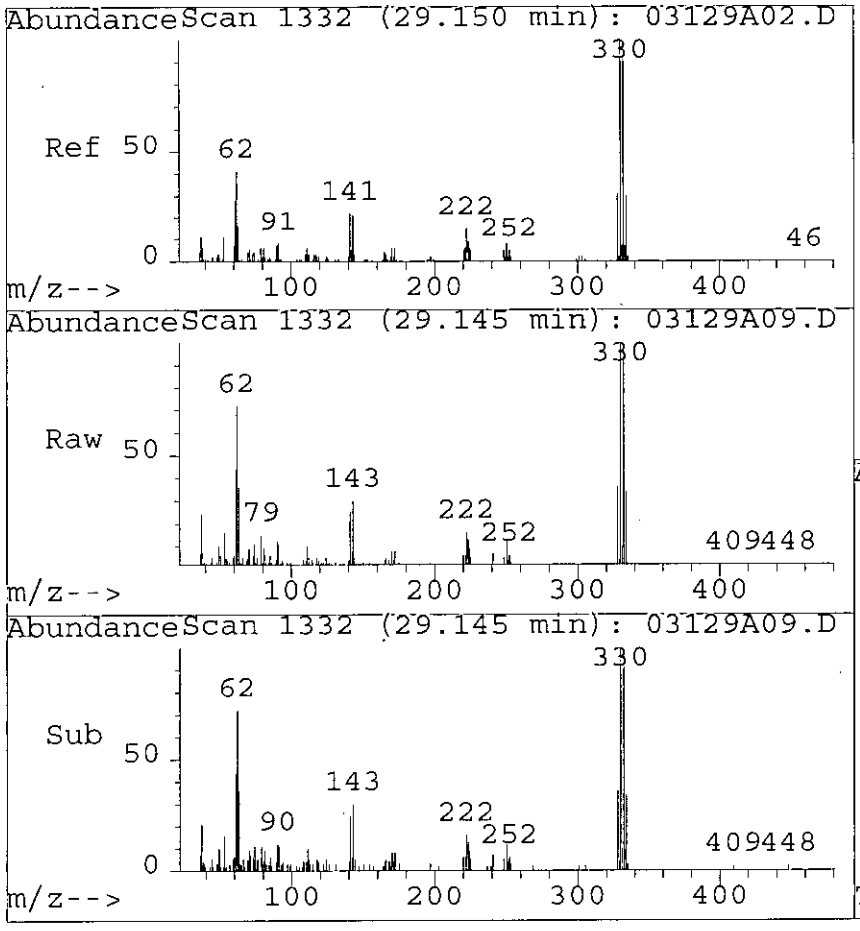


#54
PHENANTHRENE-D10
Concen: 40.00 ug/ml
RT: 31.49 min Scan# 1500
Delta R.T. -0.02 min
Lab File: 03129a09.d
Acq: 12 Mar 99 6:19 pm

Tgt Ion:188.1 Resp: 108153

Ion	Ratio	Lower	Upper
188	100		
94	13.8	11.6	17.3
80	17.9	13.7	20.5
0	0.0	0.0	0.0

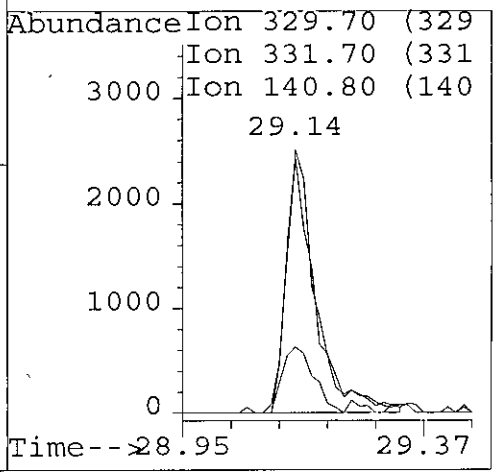


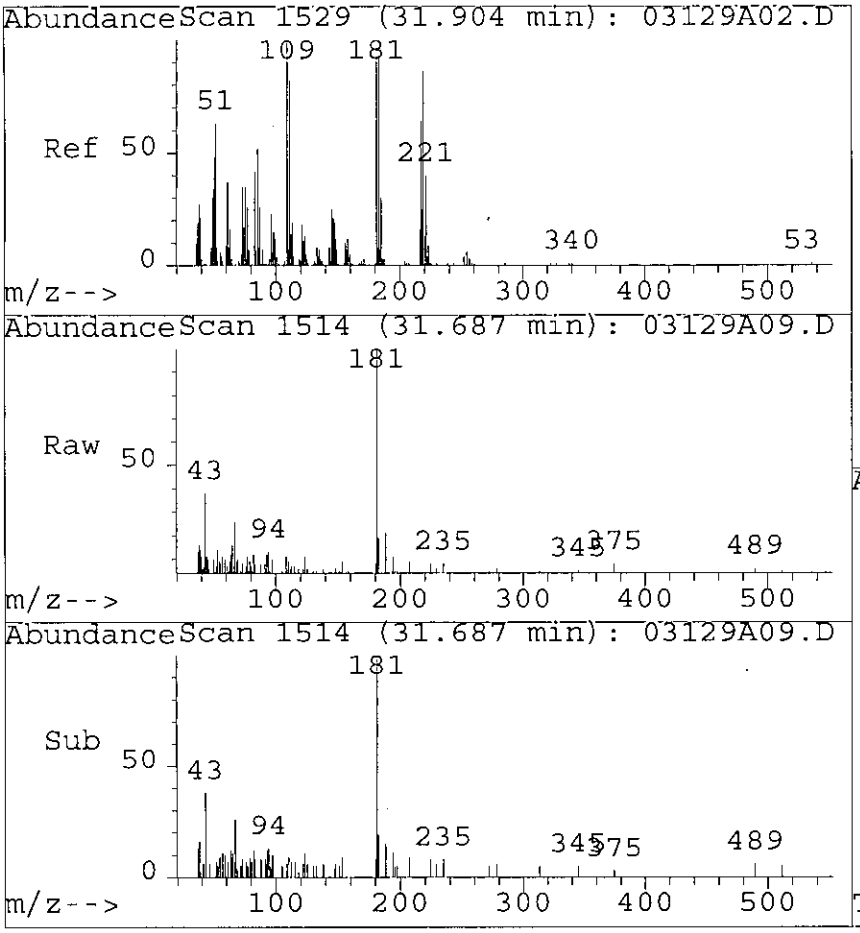


#58
2,4,6-TRIBROMOPHENOL
Concen: 21.05 ug/ml
RT: 29.14 min Scan# 1332
Delta R.T. -0.01 min
Lab File: 03129a09.d
Acq: 12 Mar 99 6:19 pm

Tgt Ion:329.7 Resp: 9107

Ion	Ratio	Lower	Upper
330	100		
332	96.7	69.7	104.5
141	25.2	30.9	46.4#
0	0.0	0.0	0.0

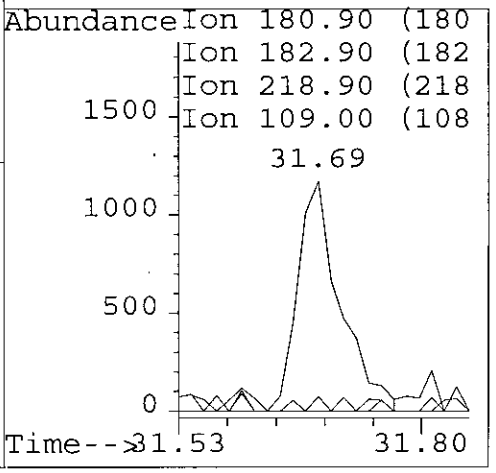


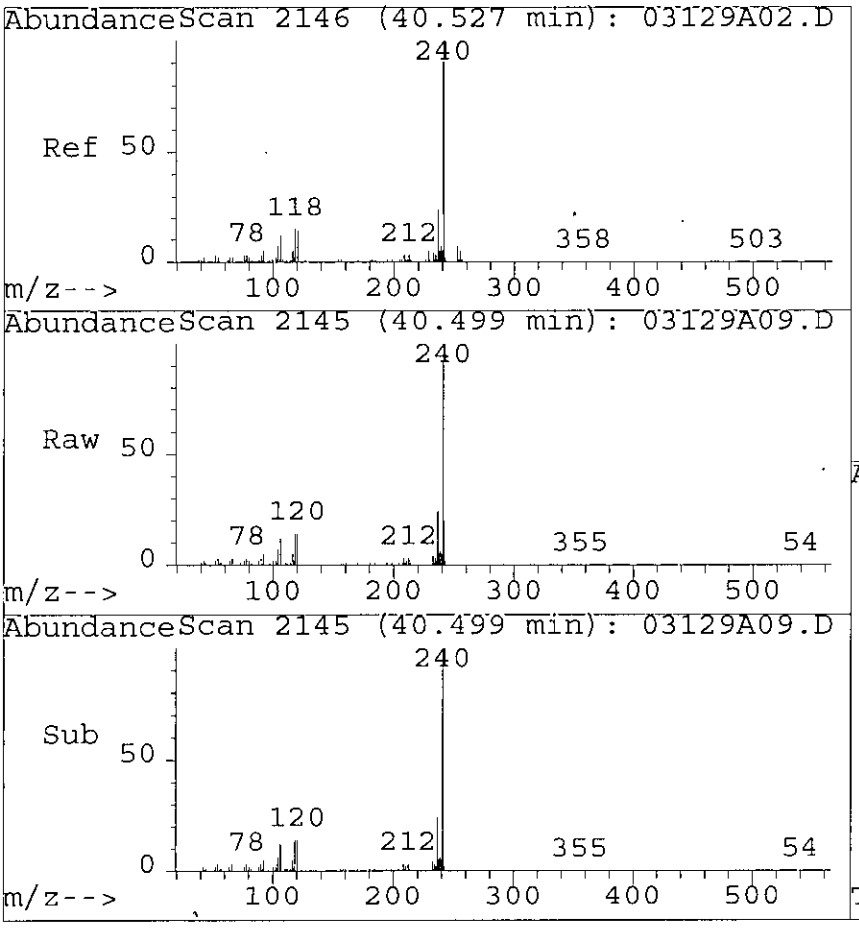


#67
BHC ISOMER (DELTA)
Concen: 11.73 ug/ml
RT: 31.69 min Scan# 1514
Delta R.T. -0.22 min
Lab File: 03129a09.d
Acq: 12 Mar 99 6:19 pm

Tgt Ion:180.9 Resp: 3805

Ion	Ratio	Lower	Upper
181	100		
183	0.0	71.3	106.9#
219	0.0	62.7	94.0#
109	6.3	83.7	125.5#

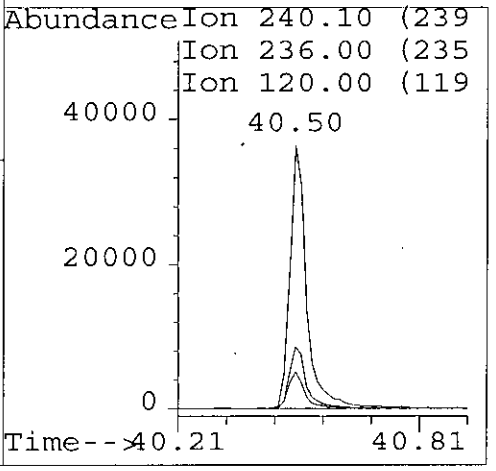


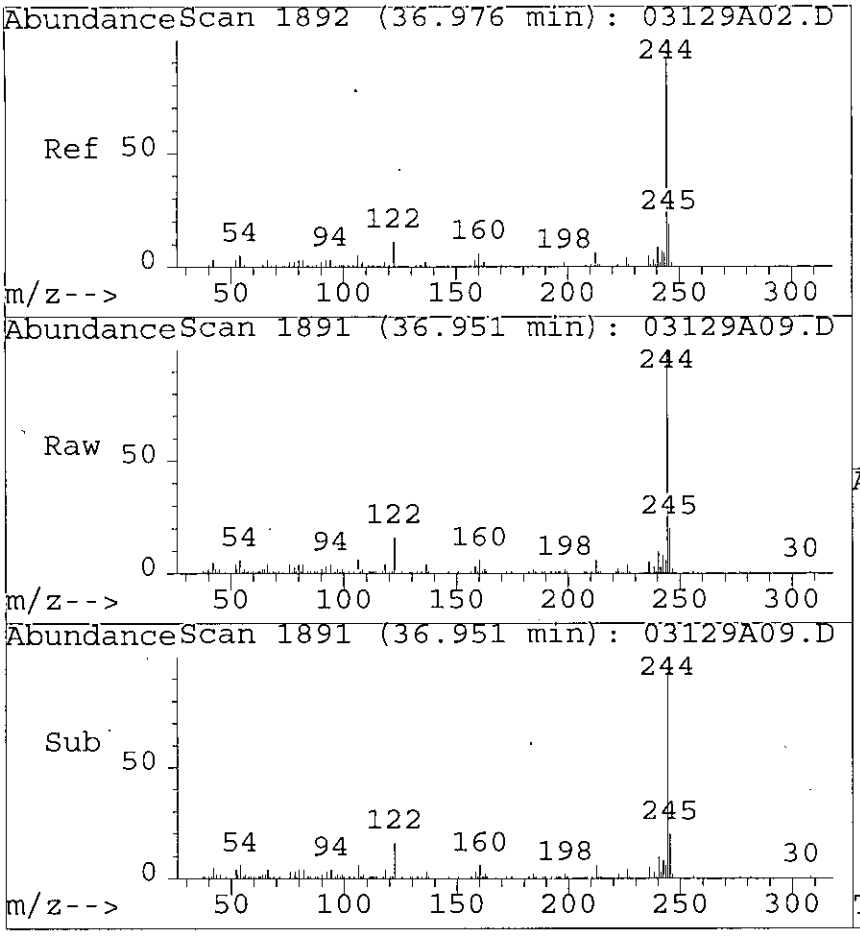


#74
CHRYSENE-D12
Concen: 40.00 ug/ml
RT: 40.50 min Scan# 2145
Delta R.T. -0.03 min
Lab File: 03129a09.d
Acq: 12 Mar 99 6:19 pm

Tgt Ion:240.1 Resp: 106160

Ion	Ratio	Lower	Upper
240	100		
236	23.7	20.6	30.9
120	14.2	17.5	26.2#
0	0.0	0.0	0.0

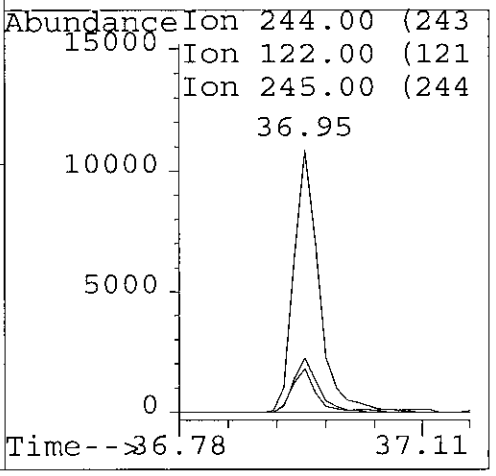


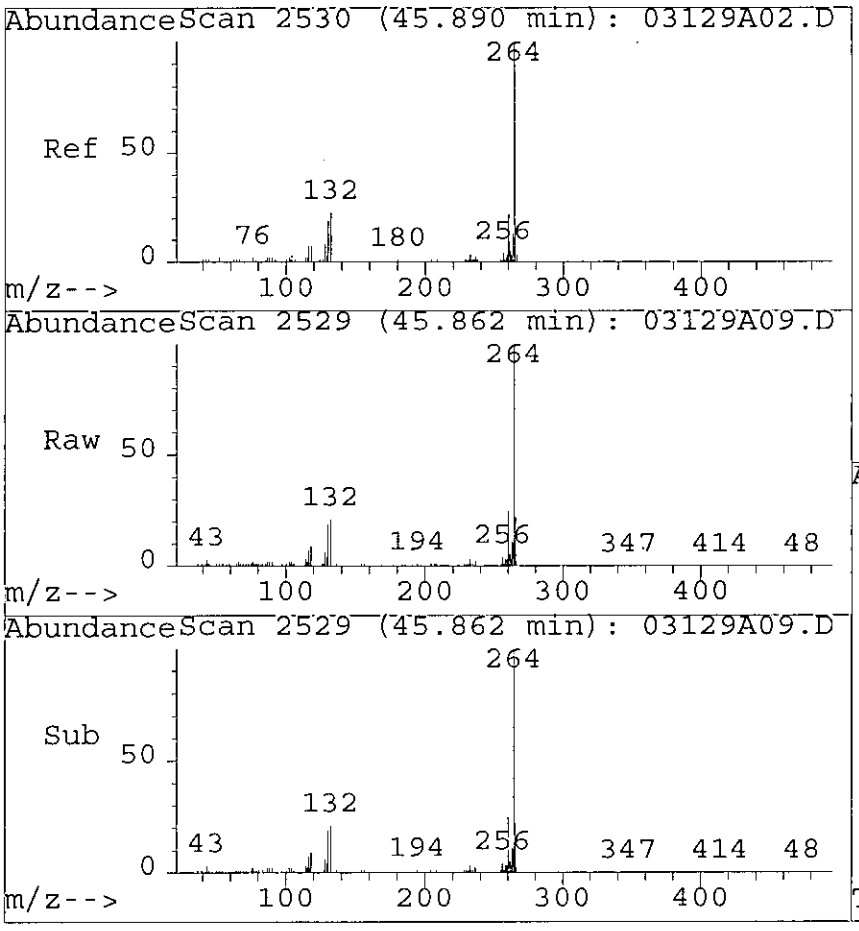


#78
P-TERPHENYL-D14
Concen: 9.64 ug/ml
RT: 36.95 min Scan# 1891
Delta R.T. -0.02 min
Lab File: 03129a09.d
Acq: 12 Mar 99 6:19 pm

Tgt Ion:244 Resp: 25330

Ion	Ratio	Lower	Upper
244	100		
122	16.5	15.3	23.0
245	20.5	15.6	23.3
0	0.0	0.0	0.0

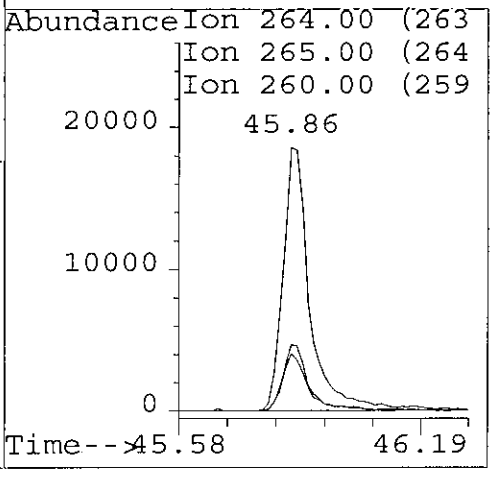




#92
PERYLENE-D12
Concen: 40.00 ug/ml
RT: 45.86 min Scan# 2529
Delta R.T. -0.03 min
Lab File: 03129a09.d
Acq: 12 Mar 99 6:19 pm

Tgt Ion:264 Resp: 85395

Ion	Ratio	Lower	Upper
264	100		
265	21.8	17.1	25.6
260	25.2	19.3	28.9
0	0.0	0.0	0.0



TIC: 03129A09.D

67829 (1:10)

Peak#	Ret Time	Type	Width	Area	Start Time	End Time
1	11.408	rBV	0.154	72188 TIC	11.380	11.534
2	12.497	rBV	0.168	44069-S	12.455	12.623
3	12.805	rBV	0.154	11844	12.763	12.916
4	15.220	rBV	0.112	10237	15.178	15.290
5	15.388	rBV	0.168	59944-S	15.290	15.458
6	15.681	rVB	0.251	98948-S	15.611	15.862
7	16.296	rBV	0.168	227437-IS	16.240	16.408
8	16.785	rVB	0.237	55161-S	16.715	16.953
9	18.196	rBV	0.126	32238-S	18.140	18.266
10	20.444	rBV	0.307	289256-IS	20.374	20.682
11	23.404	rBV	0.154	12912	23.335	23.488
12	24.131	rVB	0.238	69934-S	24.075	24.313
13	25.583	rVB	0.196	46787-T	25.528	25.723
14	26.393	rBV	0.252	317190-IS	26.296	26.547
15	27.608	rBV	0.252	45018	27.525	27.776
16	27.860	rVV	0.168	41450	27.776	27.944
17	28.056	rVV	0.126	17780	28.000	28.125
18	29.145	rBV	0.126	75533-S	29.089	29.214
19	30.834	rVB	0.196	26572	30.765	30.961
20	31.491	rVB	0.238	317368-IS	31.393	31.631
21	31.673	rBV	0.098	22979	31.631	31.729
22	32.483	rBV	0.098	10195	32.427	32.525
23	32.790	rVB	0.168	12395	32.720	32.887
24	33.362	rBV	0.126	10609	33.264	33.390
25	33.530	rVB	0.084	11158	33.516	33.600
26	34.088	rBV	0.154	19858	34.004	34.158
27	35.289	rVV	0.098	15995	35.247	35.345
28	35.428	rVB	0.112	12831	35.386	35.498
29	35.792	rVB	0.196	14042	35.750	35.945
30	36.560	rVB	0.154	36492	36.476	36.630
31	36.951	rBV	0.168	77958-S	36.882	37.049
32	37.790	rVB	0.154	44328	37.692	37.846
33	38.572	rBV	0.084	11170	38.516	38.600
34	38.963	rVB	0.237	63627 TIC	38.851	39.089
35	39.382	rVB	0.098	11500	39.354	39.452
36	40.080	rBV	0.126	58747	40.010	40.136
37	40.499✓	rBV	0.238	317506-IS	40.415	40.653
38	41.170	rBV	0.112	64810 TIC	41.114	41.226
39	42.119	rVB	0.098	11465	42.063	42.161
40	42.259	rVV	0.112	66634 TIC	42.217	42.329
41	43.125	rBV	0.126	11109	43.055	43.180
42	43.446	rBV	0.126	66944 TIC	43.376	43.502
43	44.773	rVB	0.154	73076 TIC	44.717	44.871
44	45.876	rBV	0.336	285771-IS	45.736	46.072
45	46.282	rBV	0.140	58066	46.212	46.352
46	47.581	rBV	0.237	26129	47.427	47.665
47	48.055	rBV	0.154	47779	47.972	48.125
48	48.279	rVB	0.154	13997	48.237	48.390
49	50.149	rBV	0.196	54612	50.052	50.247
50	50.275	rVB	0.112	10901	50.261	50.373
51	52.663	rVB	0.196	40007	52.579	52.775
52	55.679	rBV	0.168	20439	55.623	55.791
53	56.935	rBV	0.181	14100	56.796	56.977

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\03129A09.D
Acq On : 12 Mar 99 6:19 pm
Sample : 67829 (1:10)
Misc : American Glue & Resin P#99187

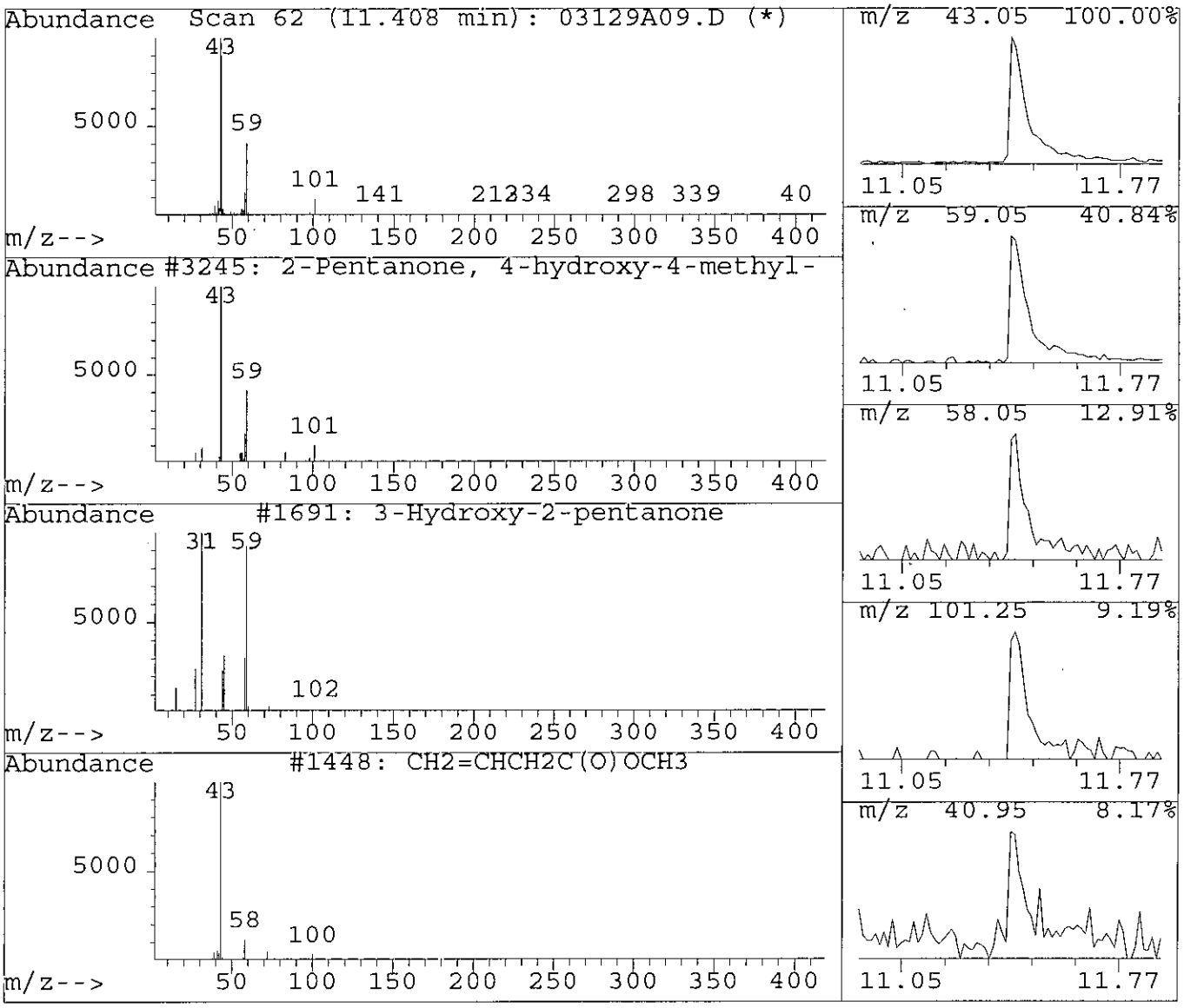
Vial: 9
Operator: ESAT
Inst : 5988
Multiplr: 9233.61

Method : C:\HPCHEM\1\METHODS\03129A01.M
Title : semivolatiles
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	R.T.
11.41	117229.09 ug/ml	72188	1,4-DICHLOROBENZENE-D4	16.30

Hit# of 20	Tentative ID	Ref#	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	3245	000123-42-2	53
2	3-Hydroxy-2-pentanone	1691	003142-66-3	14
3	CH2=CHCH2C(O)OCH3	1448	003724-55-8	10
4	Formamide, N-butyl-	63443	000871-71-6	9
5	Butane	99	000106-97-8	9

AB



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\03129A09.D
Acq On : 12 Mar 99 6:19 pm
Sample : 67829 (1:10)
Misc : American Glue & Resin P#99187

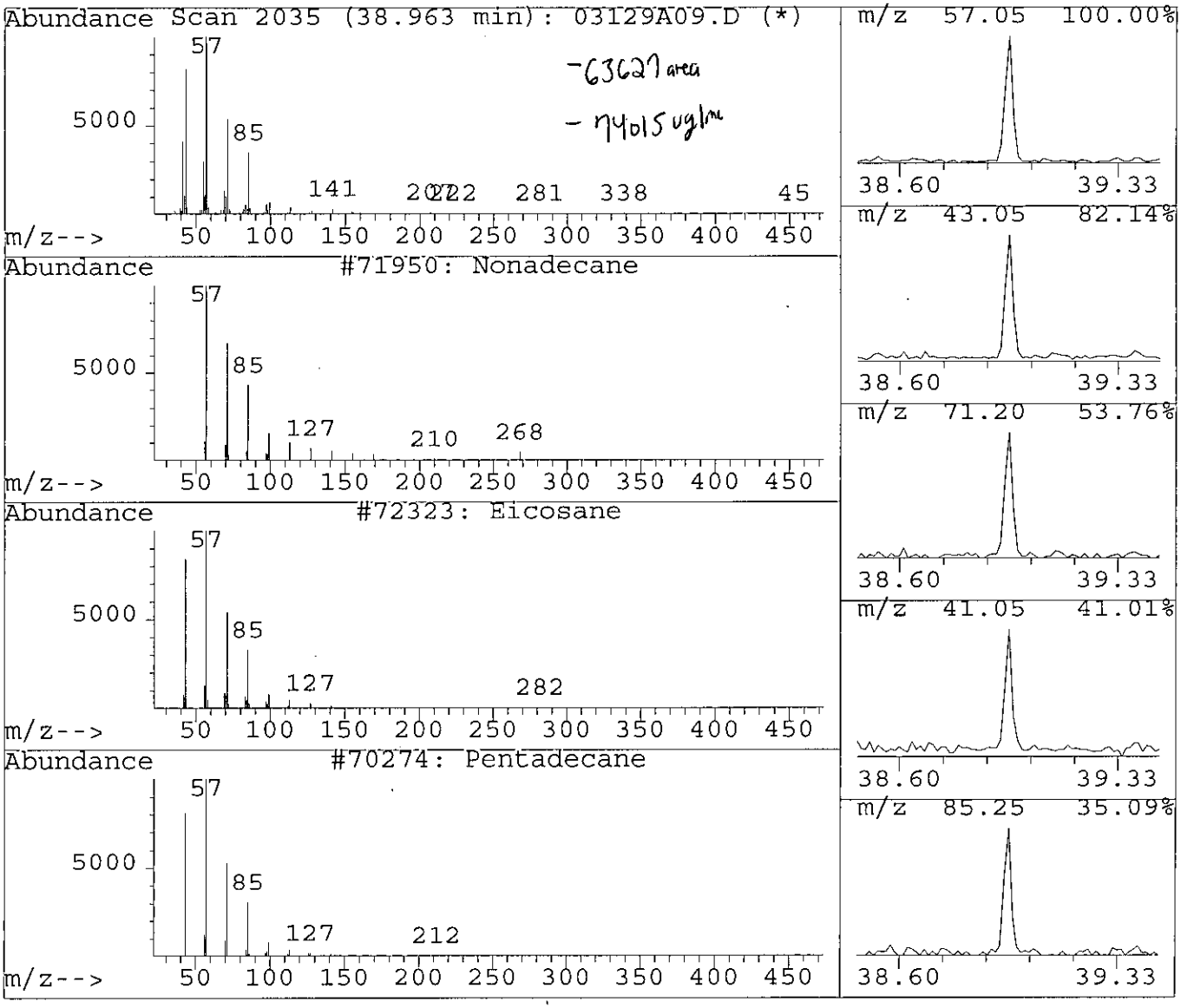
Vial: 9
Operator: ESAT
Inst : 5988
Multiplr: 9233.61

Method : C:\HPCHEM\1\METHODS\03129A01.M
Title : semivolatiles
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	R.T.
38.96	71976.87 ug/ml	61180	CHRYSENE-D12	40.50

Hit# of 20	Tentative ID	Ref#	CAS#	Qual
1	Nonadecane	71950	000629-92-5	81
2	Eicosane	72323	000112-95-8	74
3	Pentadecane	70274	000629-62-9	72
4	Heptadecane	71191	000629-78-7	72
5	Tetracosane	73543	000646-31-1	64

C24 HC



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\03129A09.D
Acq On : 12 Mar 99 6:19 pm
Sample : 67829 (1:10)
Misc : American Glue & Resin P#99187

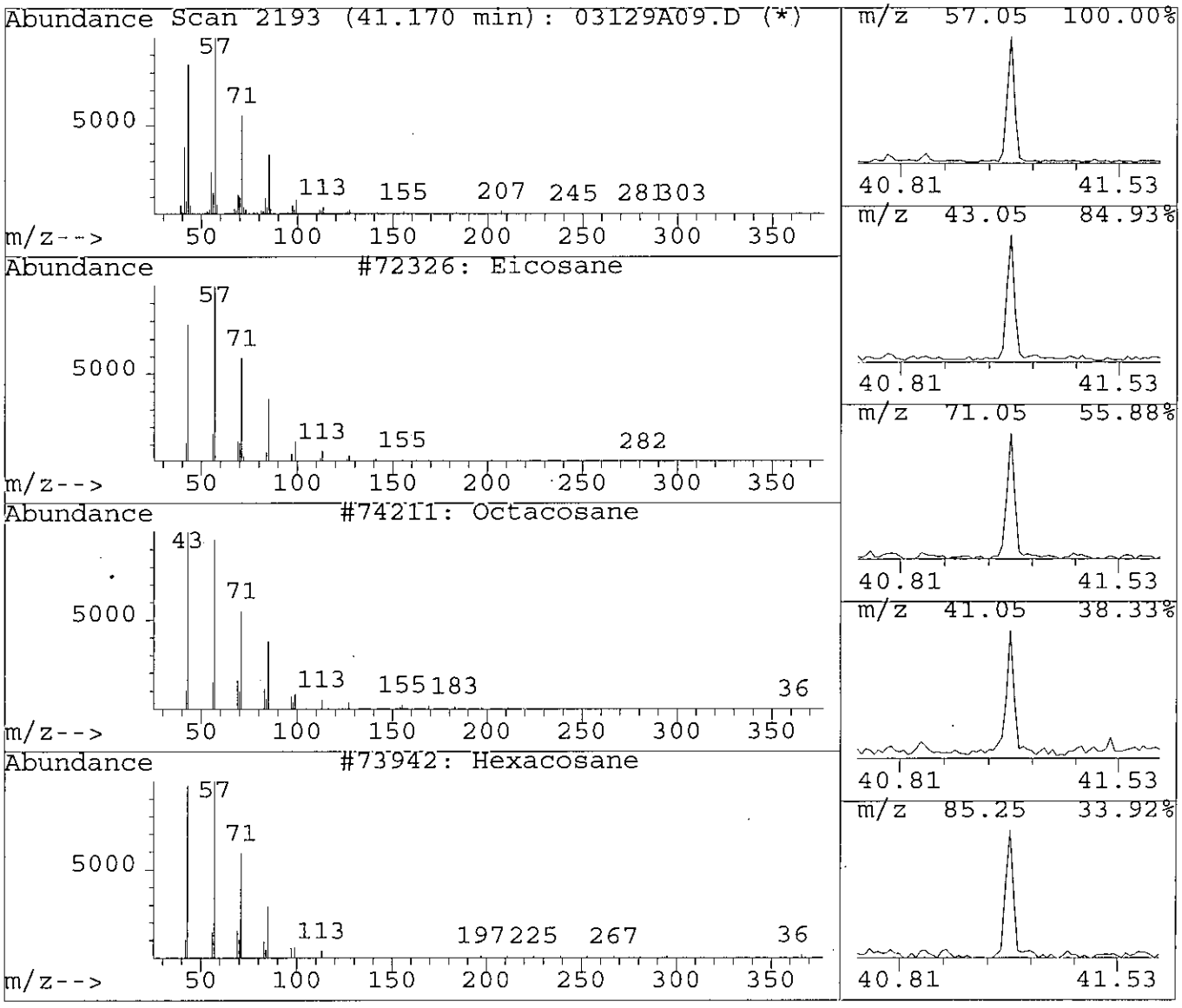
Vial: 9
Operator: ESAT
Inst : 5988
Multiplr: 9233.61

Method : C:\HPCHEM\1\METHODS\03129A01.M
Title : semivolatiles
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	R.T.
41.17	76247.48 ug/ml	64810	CHRYSENE-D12	40.50

Hit# of 20	Tentative ID	Ref#	CAS#	Qual
1	Eicosane	72326	000112-95-8	90
2	Octacosane	74211	000630-02-4	90
3	Hexacosane	73942	000630-01-3	87
4	Octadecane	71560	000593-45-3	86
5	Heneicosane	42201	000629-94-7	86

026 HC



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\03129A09.D
Acq On : 12 Mar 99 6:19 pm
Sample : 67829 (1:10)
Misc : American Glue & Resin P#99187

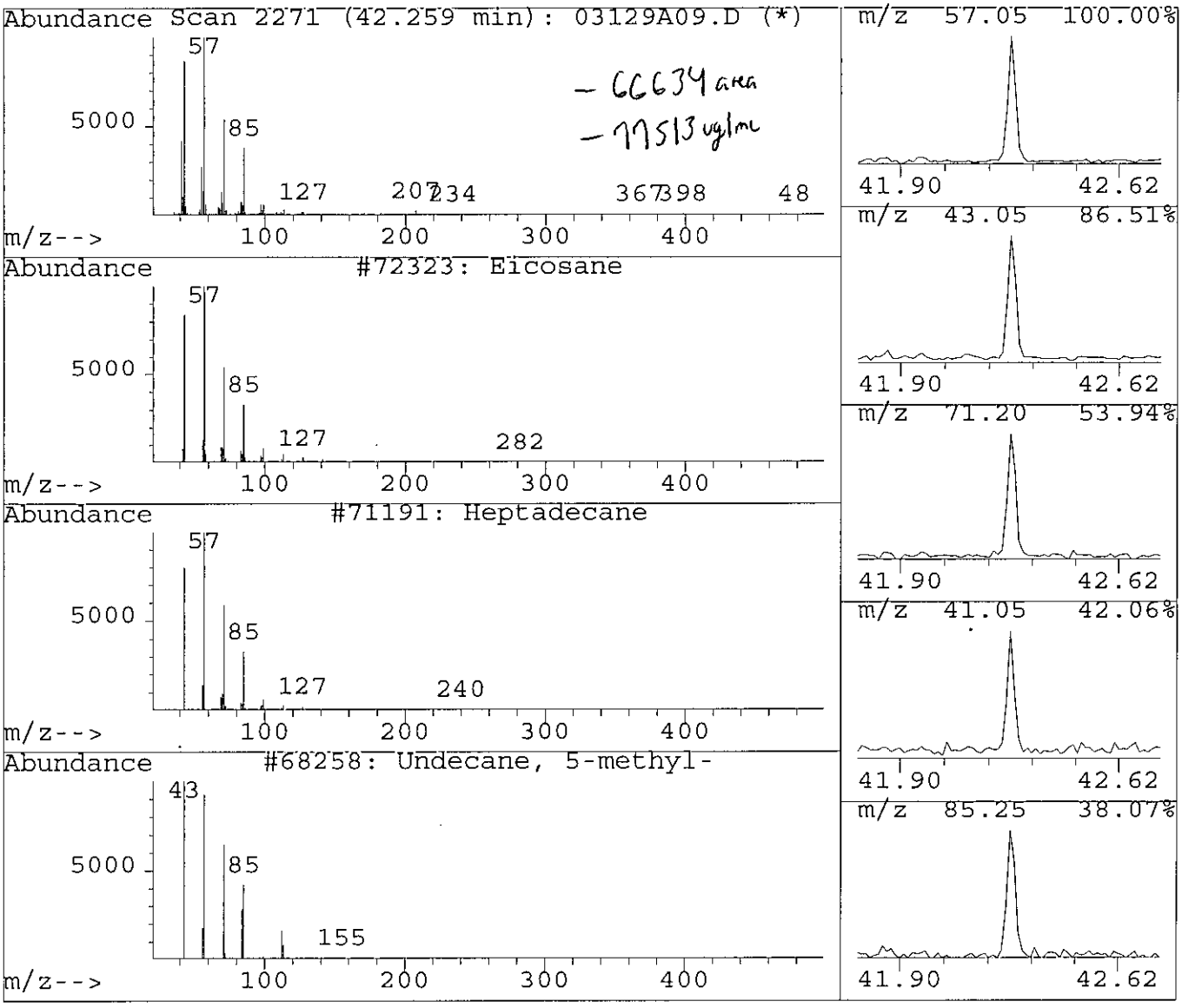
Vial: 9
Operator: ESAT
Inst : 5988
Multiplr: 9233.61

Method : C:\HPCHEM\1\METHODS\03129A01.M
Title : semivolatiles
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	R.T.
42.26	78587.49 ug/ml	66799	CHRYSENE-D12	40.50

Hit# of 20	Tentative ID	Ref#	CAS#	Qual
1	Eicosane	72323	000112-95-8	96
2	Heptadecane	71191	000629-78-7	83
3	Undecane, 5-methyl-	68258	001632-70-8	83
4	Hexadecane	70789	000544-76-3	83
5	Decane, 3,6-dimethyl-	15348	017312-53-7	80

C28 HC



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\03129A09.D
Acq On : 12 Mar 99 6:19 pm
Sample : 67829 (1:10)
Misc : American Glue & Resin P#99187

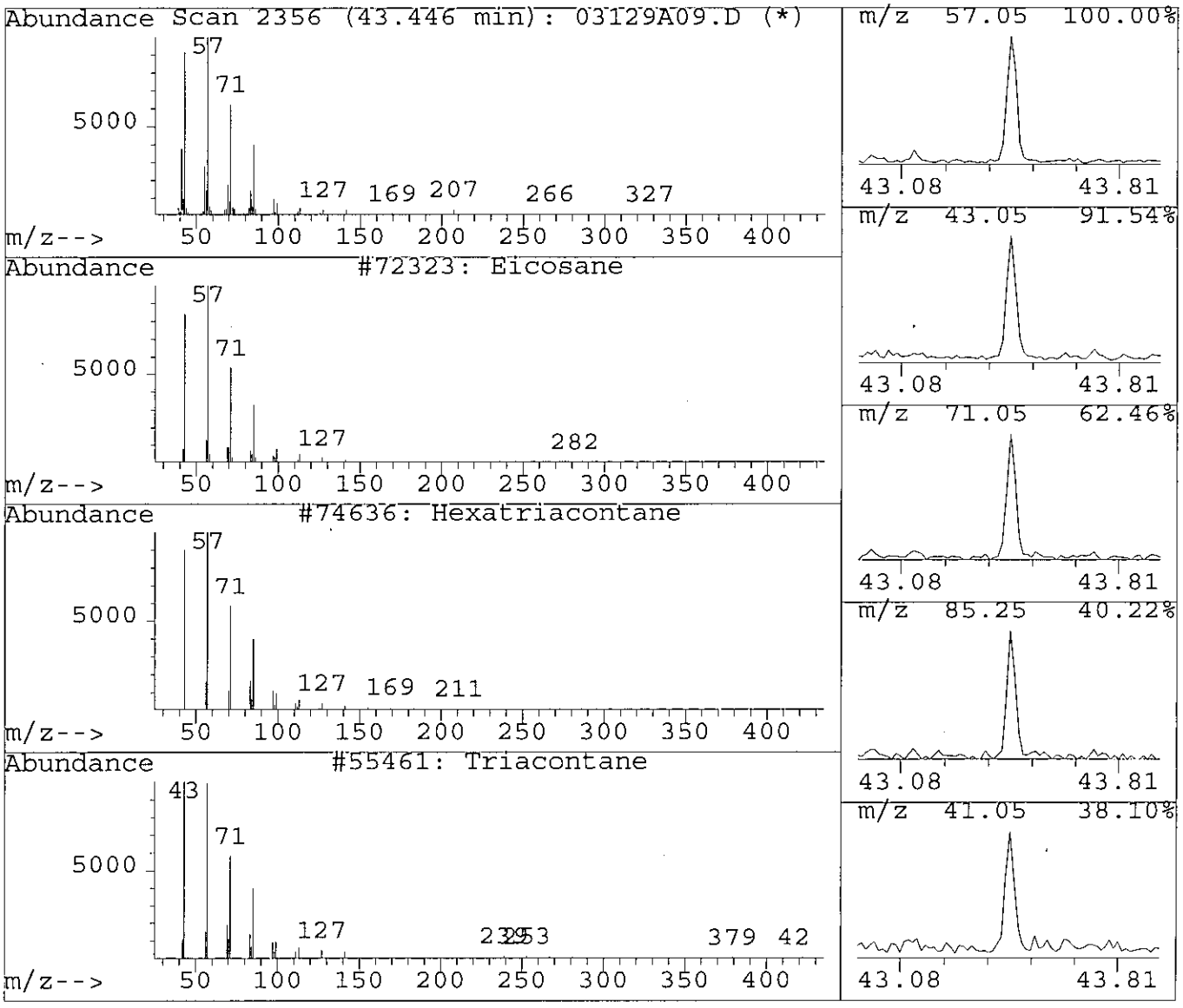
Vial: 9
Operator: ESAT
Inst : 5988
Multiplr: 9233.61

Method : C:\HPCHEM\1\METHODS\03129A01.M
Title : semivolatiles
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	R.T.
43.45	86973.04 ug/ml	66944	PERYLENE-D12	45.86

Hit# of 20	Tentative ID	Ref#	CAS#	Qual
1	Eicosane	72323	000112-95-8	97
2	Hexatriacontane	74636	000630-06-8	90
3	Triacontane	55461	000638-68-6	87
4	Pentacosane	49559	000629-99-2	87
5	Hexacosane	73942	000630-01-3	80

C28 HC



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\03129A09.D
Acq On : 12 Mar 99 6:19 pm
Sample : 67829 (1:10)
Misc : American Glue & Resin P#99187

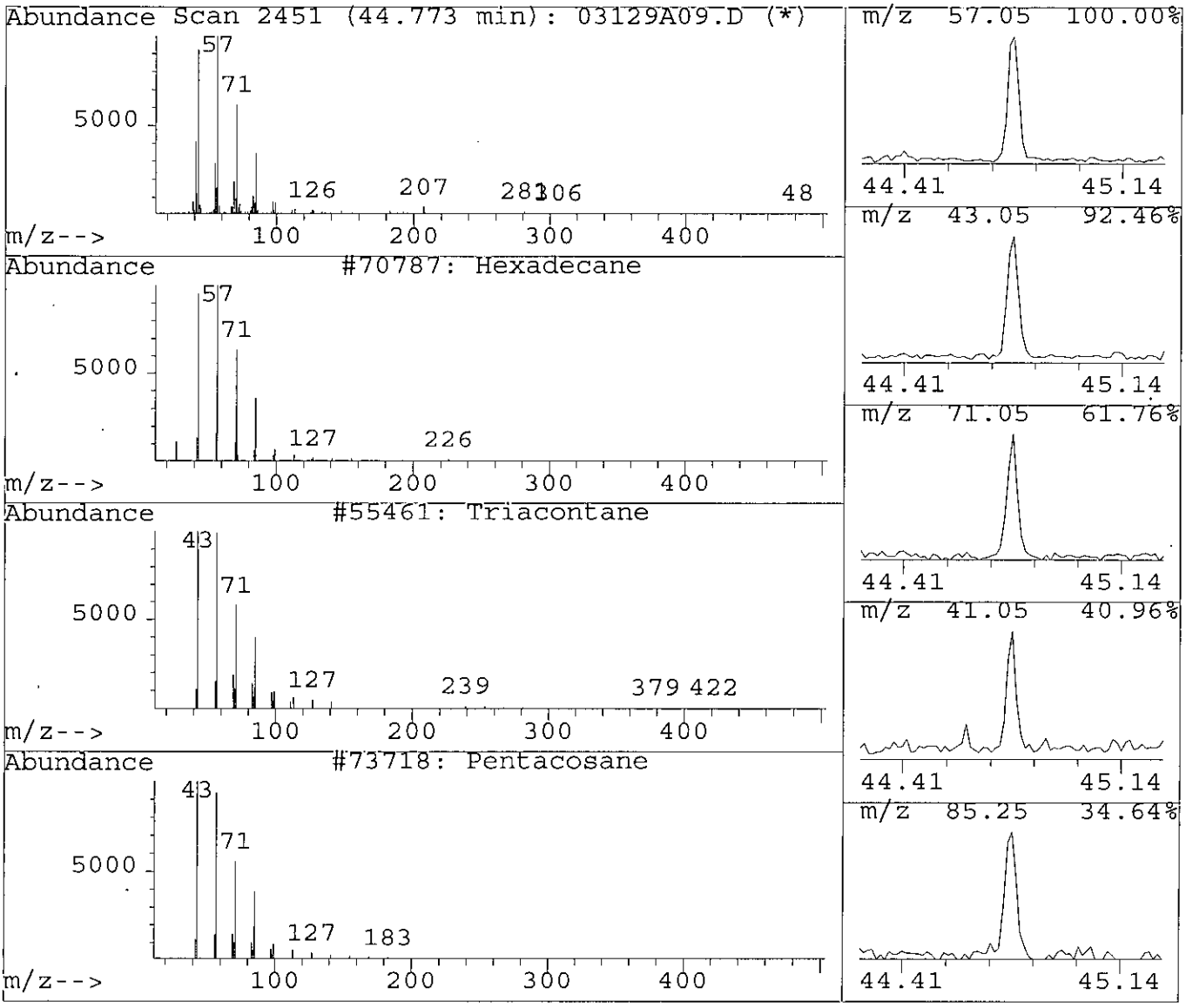
Vial: 9
Operator: ESAT
Inst : 5988
Multiplr: 9233.61

Method : C:\HPCHEM\1\METHODS\03129A01.M
Title : semivolatiles
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	R.T.
44.77	94939.68 ug/ml	73076	PERYLENE-D12	45.86

Hit# of 20	Tentative ID	Ref#	CAS#	Qual
1	Hexadecane	70787	000544-76-3	95
2	Triacontane	55461	000638-68-6	74
3	Pentacosane	73718	000629-99-2	74
4	Tetracosane	73543	000646-31-1	72
5	Tridecane	69019	000629-50-5	72

C28 HC



1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

S67832D

Lab EPA REG 1 Contract:

Proj 99187 Site: AMERICAN Location: Group:

Matrix: (soil/wat SOIL Lab Sample ID: S67832D

Wet Sample wt/vol: 5.0 (g/mL) G Lab File ID: 03129A14.D

Day: 4.4g Date Collected: 3/2/99

Level: (low/m MED Date Received: 3/3/99

% 13 decanted: (Y/N): Y Date Extracted: 3/9/99

Concentrated Extract Volume 2000 (uL) Date Analyzed: 3/13/99

Injection Volume 1.0 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y N pH: 0 Report Factor: 13.7

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
62-53-3	ANILINE	46000	UD
108-95-2	PHENOL	46000	UD
111-44-4	BIS(2-CHLOROETHYL) ETHER	46000	UD
95-57-8	2-CHLOROPHENOL	46000	UD
541-73-1	1,3-DICHLOROBENZENE	46000	UD
106-46-7	1,4-DICHLOROBENZENE	46000	UD
100-51-6	BENZYL ALCOHOL	46000	UD
95-50-1	1,2-DICHLOROBENZENE	46000	UD
95-48-7	2-METHYLPHENOL	46000	UD
108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	46000	UD
106-44-5	4-METHYLPHENOL	46000	UD
621-64-7	N-NITROSODIPROPYLAMINE	46000	UD
67-72-1	HEXACHLOROETHANE	46000	UD
98-95-3	NITROBENZENE	46000	UD
78-59-1	ISOPHORONE	46000	UD
88-75-5	2-NITROPHENOL	46000	UD
105-67-9	2,4-DIMETHYLPHENOL	46000	UD
111-91-1	BIS(2-CHLOROETHOXY)METHANE	46000	UD
65-85-0	BENZOIC ACID	46000	UD
120-83-2	2,4-DICHLOROPHENOL	46000	UD
120-82-1	1,2,4-TRICHLOROBENZENE	46000	UD
91-20-3	NAPHTHALENE	46000	UD
106-47-8	4-CHLOROANILINE	46000	UD
87-68-3	HEXACHLOROBUTADIENE	46000	UD
59-50-7	4-CHLORO-3-METHYLPHENOL	46000	UD
91-57-6	2-METHYLNAPHTHALENE	46000	UD
77-47-4	HEXACHLOROCYCLOPENTADIENE	46000	UD
88-06-2	2,4,6-TRICHLOROPHENOL	46000	UD
95-95-4	2,4,5-TRICHLOROPHENOL	46000	UD
91-58-7	2-CHLORONAPHTHALENE	46000	UD
88-74-4	2-NITROANILINE	46000	UD
131-11-3	DIMETHYLPHTHALATE	46000	UD
208-96-8	ACENAPHTHYLENE	46000	UD

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

S67832D

Lab EPA REG 1 Contract:

Proj 99187 Site: AMERICAN Location: Group:

Matrix: (soil/wat SOIL Lab Sample ID: S67832D

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 03129A14.D

Level: (low/m MED Date Received: 3/3/99

% 13 decanted: (Y/N): Y Date Extracted: 3/9/99

Concentrated Extract Volume 2000 (uL) Date Analyzed: 3/13/99

Injection Volume 1.0 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y N pH: 0

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
606-20-2	2,6-DINITROTOLUENE	46000	UD
99-09-2	3-NITROANILINE	46000	UD
83-32-9	ACENAPHTHENE	46000	UD
51-28-5	2,4-DINITROPHENOL	46000	UD
132-64-9	DIBENZOFURAN	46000	UD
100-02-7	4-NITROPHENOL	46000	UD
121-14-2	2,4-DINITROTOLUENE	46000	UD
84-66-2	DIETHYLPHTHALATE	46000	UD
86-73-7	FLUORENE	46000	UD
7005-72-3	4-CHLOROPHENYL-PHENYLETHER	46000	UD
100-01-6	4-NITROANILINE	46000	UD
534-52-1	4,6-DINITRO-2-METHYLPHENOL	46000	UD
86-30-6	N-NITROSODIPHENYLAMINE	46000	UD
103-33-3	DIPHENYLHYDRAZINE(AZOBENZENE)	46000	UD
101-55-3	4-BROMOPHENYL-PHENYLETHER	46000	UD
319-84-6	BHC ISOMER (ALPHA)	46000	UD
118-74-1	HEXACHLOROBENZENE	46000	UD
319-85-7	BHC ISOMER (BETA)	46000	UD
87-86-5	PENTACHLOROPHENOL	46000	UD
58-89-9	LINDANE-BHC ISOMER (GAMA)	46000	UD
85-01-8	PHENANTHRENE	46000	UD
120-12-7	ANTHRACENE	46000	UD
319-86-8	BHC ISOMER (DELTA)	46000	UD
86-74-8	CARBAZOLE	46000	UD
76-44-8	HEPTACHLOR	46000	UD
84-74-2	DIBUTYLPHTHALATE	46000	UD
309-00-2	ALDRIN	46000	UD
1024-57-3	HEPTACHLOR EPOXIDE	46000	UD
206-44-0	FLUORANTHENE	46000	UD
129-00-0	PYRENE	46000	UD
959-98-8	ENDOSULFAN I	46000	UD
72-55-9	P,P-DDE	46000	UD
60-57-1	DIELDRIN	46000	UD

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

S67832D

Lab EPA REG 1 Contract:

Proj 99187 Site: AMERICAN Location: Group:

Matrix: (soil/wat SOIL Lab Sample ID: S67832D

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 03129A14.D

Level: (low/m MED Date Received: 3/3/99

% 13 decanted: (Y/N): Y Date Extracted: 3/9/99

Concentrated Extract Volume 2000 (uL) Date Analyzed: 3/13/99

Injection Volume 1.0 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y N pH: 0

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
72-20-8	ENDRIN	46000	UD
33213-65-9	ENDOSULFAN II	46000	UD
72-54-8	P,P-DDD	46000	UD
85-68-7	BUTYLBENZYLPHTHALATE	21000	JD
50-29-3	P,P-DDT	46000	UD
1031-07-8	ENDOSULFAN SULFATE	46000	UD
72-43-5	METHOXYCHLOR	46000	UD
53494-70-5	ENDRIN KETONE	46000	UD
91-94-1	3,3-DICHCHLOROBENZIDINE	46000	UD
56-55-3	BENZ(A)ANTHRACENE	46000	UD
218-01-9	CHRYSENE	46000	UD
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	46000	UD
117-84-0	DI-N-OCTYLPHTHALATE	46000	UD
205-99-2	BENZO(B)FLUORANTHENE	46000	UD
207-08-9	BENZO(K)FLUORANTHENE	46000	UD
50-32-8	BENZO(A)PYRENE	46000	UD
193-39-5	INDENO(1,2,3-CD)PYRENE	46000	UD
53-70-3	DIBENZO(A,H)ANTHRACENE	46000	UD
191-24-2	BENZO(GHI)PERYLENE	46000	UD

SAMPLE NUMBER 67832 QUANTITATION SHEET

Tentatively Identified Compounds

SCAN NO.	COMPOUND	PROB. MATCH	CONC (ug/ml)	EST. C. (ug/kg)	CAS NO.	CHEM. FORM.
60	4-hydroxy-4-methyl-2-Pentanone	43	—	~100,000AB	123-42-2	
2268	[1,2'-Binaphthalene]-5,5',8,8'-tetrone,1',4-dihydroxy-	99	—	~50,000J	20175-84-2	
2294	2,3'-diethyl-,(-)- (isomer 1+2)	99	—	~40,000J	20175-84-2	
2613	unknown hydrocarbon - C30	—	—	~60,000J	—	
2708	28-Nor-17.alpha.(H)-hopane	86	—	~80,000J	53584-60-4	
2827	28-Nor-17.beta.(H)-hopane	87	—	~90,000J	36728-72-0	

note: scans 2268+2294 have the same compound name (comprises two lines).

~ = Approximate
< = Less than
> = Greater than
NA = Not available due to dilution or interference
E = Estimated value that exceeds the calibration range
L = Estimated value that is below the calibration range
B = Analyte associated with the lab, trip blank. Reported values are 5X higher than blank. Phthalates must be 10X.

Quantitation Report

Data File : C:\HPCHEM\1\DATA\03129A14.D
Acq On : 13 Mar 99 1:39 pm
Sample : 67832 (1:10)
Misc : American Glue & Resin P#99187
Quant Time: Mar 14 10:31 1999

Vial: 14
Operator: ESAT
Inst : 5988
Multiplr: 4579.80

Method : C:\HPCHEM\1\METHODS\03129A02.M
Title : semivolatiles
Last Update : Sat Mar 13 11:22:04 1999
Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DICHLOROBENZENE-D4	16.28	150	47023	40.00	ug/ml	0.00
19) NAPHTHALENE-D8	20.43	136	117753	40.00	ug/ml	0.00
34) ACENAPHTHENE-D10	26.38	164	60382	40.00	ug/ml	0.00
54) PHENANTHRENE-D10	31.48	188	113208	40.00	ug/ml	0.00
74) CHRYSENE-D12	40.50	240	130088	40.00	ug/ml	-0.01
92) PERYLENE-D12	45.89	264	83509	40.00	ug/ml	0.02
System Monitoring Compounds						%Recovery
2) FLUOROPHENOL	12.55	112	6347	7.17	ug/ml	3.58%
4) PHENOL-D5	15.51	99	10427	7.87	ug/ml	3.93%
5) 2-CHLOROPHENOL-D4	15.72	132	7302	7.59	ug/ml	3.80%
12) 1,2-DICHLOROBENZENE-D4	16.78	150	3967	3.54	ug/ml	3.54%
20) NITROBENZENE-D5	18.22	82	3932	2.32	ug/ml	2.32%
38) FLUOROBIPHENYL	24.12	172	8603	4.31	ug/ml	4.31%
58) 2,4,6-TRIBROMOPHENOL	29.15	330	3319	7.13	ug/ml	3.57%
78) P-TERPHENYL-D14	36.95	244	14355	4.47	ug/ml	4.47%
Target Compounds						Qvalue
83) BUTYLBENZYLPHTHALATE	38.65	149	9946	20665.96	ug/ml	85

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\03129A14.D
Acq On : 13 Mar 99 1:39 pm
Sample : 67832 (1:10)
Misc : American Glue & Resin P#99187
Quant Time: Mar 14 10:26 1999

Vial: 14
Operator: ESAT
Inst : 5988
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\03129A02.M
Title : semivolatiles
Last Update : Sat Mar 13 11:22:04 1999
Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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19) NAPHTHALENE-D8	20.43	136	117753	40.00	ug/ml	0.00
34) ACENAPHTHENE-D10	26.38	164	60382	40.00	ug/ml	0.00
54) PHENANTHRENE-D10	31.48	188	113208	40.00	ug/ml	0.00
74) CHRYSENE-D12	40.50	240	130088	40.00	ug/ml	-0.01
92) PERYLENE-D12	45.89	264	83509	40.00	ug/ml	0.02
System Monitoring Compounds						%Recovery
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5) 2-CHLOROPHENOL-D4	15.72	132	7302	7.59	ug/ml	3.80%
12) 1,2-DICHLOROBENZENE-D4	16.78	150	3967	3.54	ug/ml	3.54%
20) NITROBENZENE-D5	18.22	82	3932	2.32	ug/ml	2.32%
38) FLUOROBIPHENYL	24.12	172	8603	4.31	ug/ml	4.31%
58) 2,4,6-TRIBROMOPHENOL	29.15	330	3319	7.13	ug/ml	3.57%
78) P-TERPHENYL-D14	36.95	244	14355	4.47	ug/ml	4.47%
Target Compounds						Qvalue
72) HEPTACHLOR EPOXIDE	35.54	81	2216	~~4.67 ug/ml#~~		36
80) ENDRIN	37.83	81	1720	~~5.15 ug/ml#~~		41
83) BUTYLBENZYLPHTHALATE	38.65	149	9946	4.51	ug/ml	85
87) ENDRIN KETONE	40.29	67	1827	~~3.27 ug/ml#~~		62
89) BENZ(A)ANTHRACENE	40.56	228	1832	~~0.54 ug/mlm~~		91
90) CHRYSENE	40.58	228	801	~~0.25 ug/mlm~~		92
91) BIS(2-ETHYLHEXYL)PHTHALATE	40.57	149	4596	~~1.52 ug/ml#~~		80

wet wt = 5.025
Dry wt = 4.367
% moist = 13.1
2 ml FV
1:10 Dil
mult = ~~2289.901534~~ 4579.803068

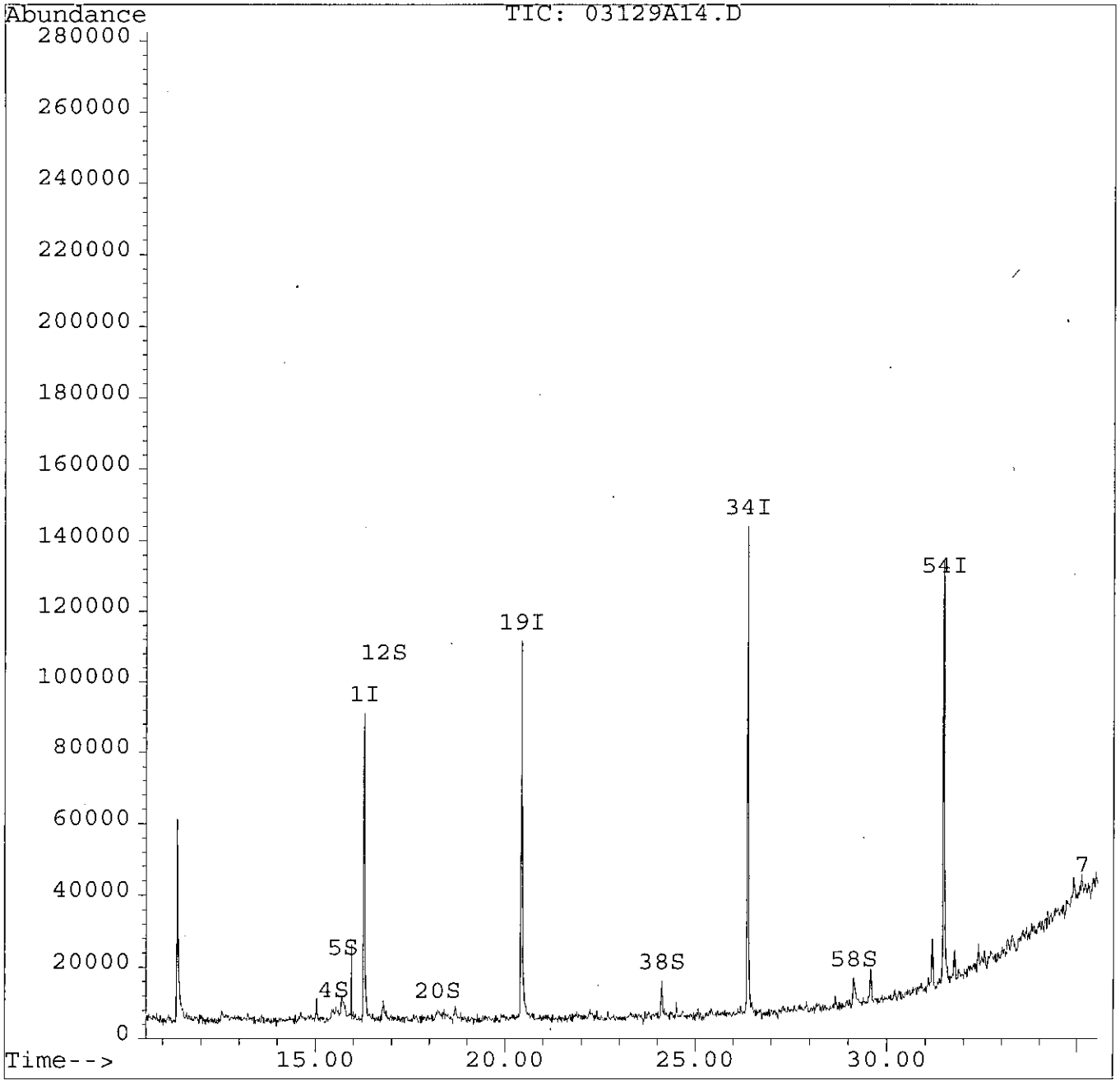
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\03129A14.D
Acq On : 13 Mar 99 1:39 pm
Sample : 67832 (1:10)
Misc : American Glue & Resin P#99187
Quant Time: Mar 13 14:40 1999

Vial: 14
Operator: ESAT
Inst : 5988
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\03129A02.M
Title : semivolatiles
Last Update : Sat Mar 13 11:22:04 1999
Response via : Single Level Calibration

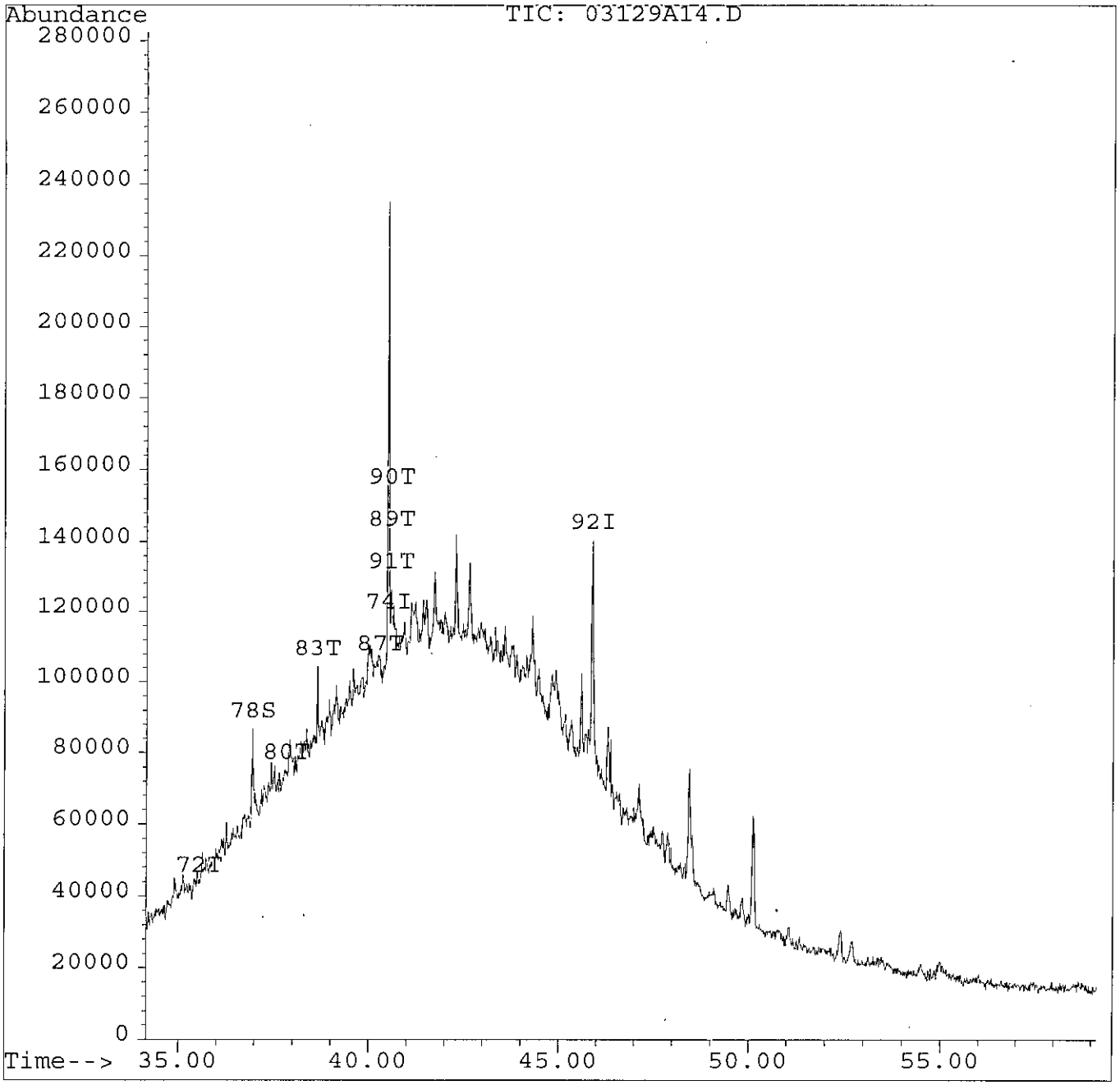


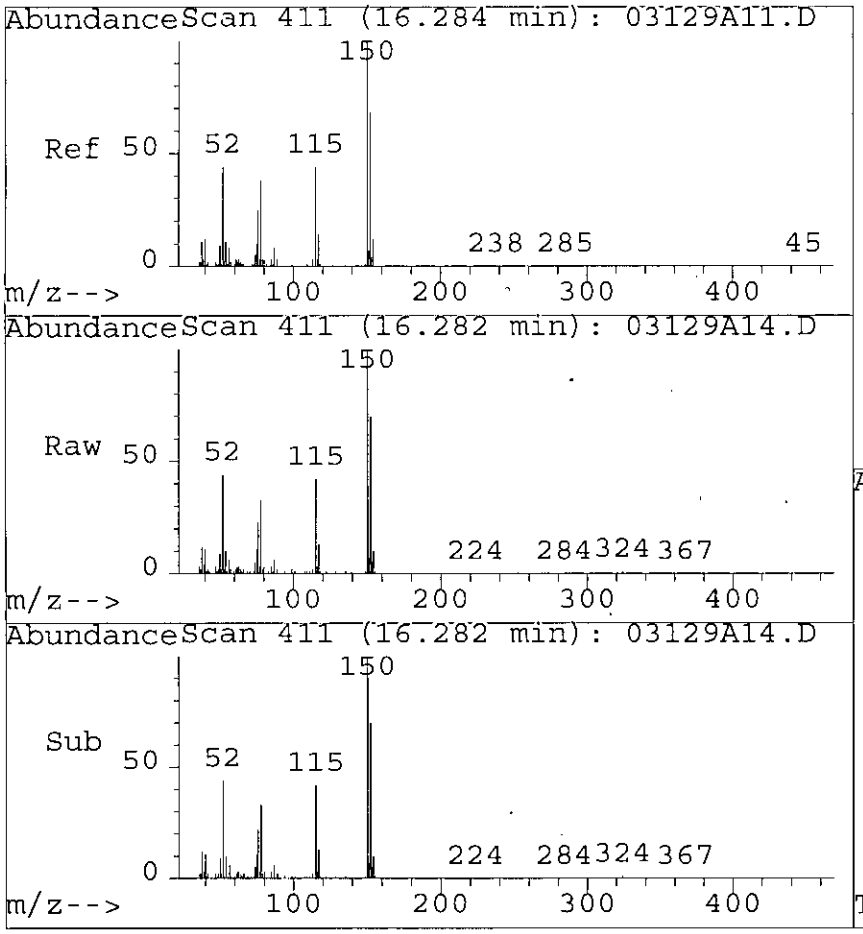
Quantitation Report

Data File : C:\HPCHEM\1\DATA\03129A14.D
Acq On : 13 Mar 99 1:39 pm
Sample : 67832 (1:10)
Misc : American Glue & Resin P#99187
Quant Time: Mar 13 14:40 1999

Vial: 14
Operator: ESAT
Inst : 5988
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\03129A02.M
Title : semivolatiles
Last Update : Sat Mar 13 11:22:04 1999
Response via : Single Level Calibration

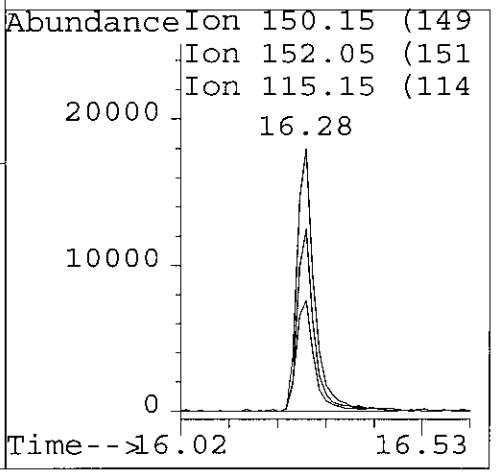


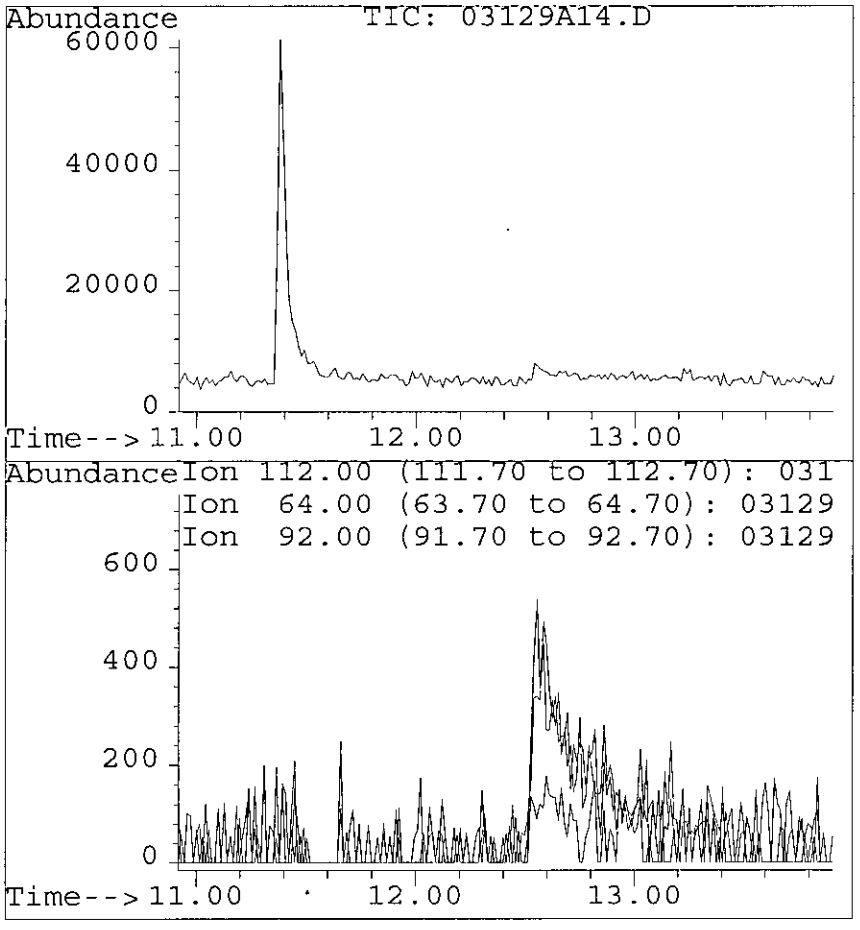


#1
1,4-DICHLOROBENZENE-D4
Concen: 40.00 ug/ml
RT: 16.28 min Scan# 411
Delta R.T. -0.00 min
Lab File: 03129A14.D
Acq: 13 Mar 99 1:39 pm

Tgt Ion:150.15 Resp: 47023

Ion	Ratio	Lower	Upper
150	100		
152	69.7	51.1	76.6
115	42.4	34.7	52.0
0	0.0	0.0	0.0



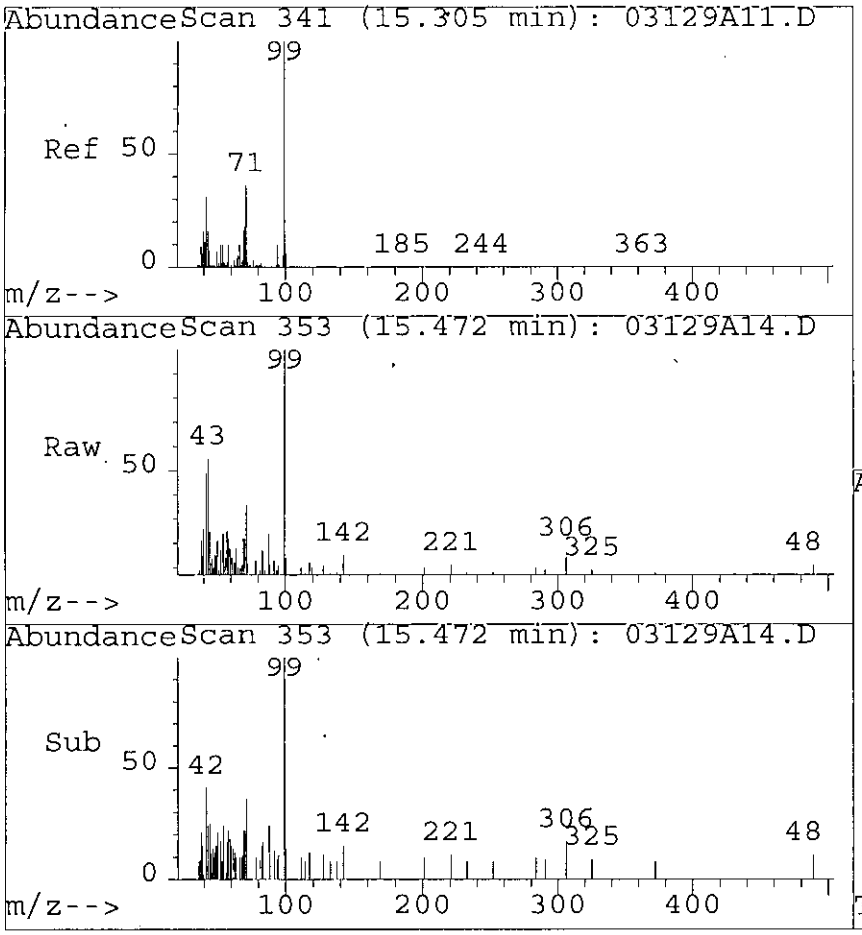


#2
FLUOROPHENOL
Concen: 0.00 ug/ml
Expected RT: 12.41 min

Lab File: 03129A14.D
Acq: 13 Mar 99 1:39 pm

Tgt Ion: 112

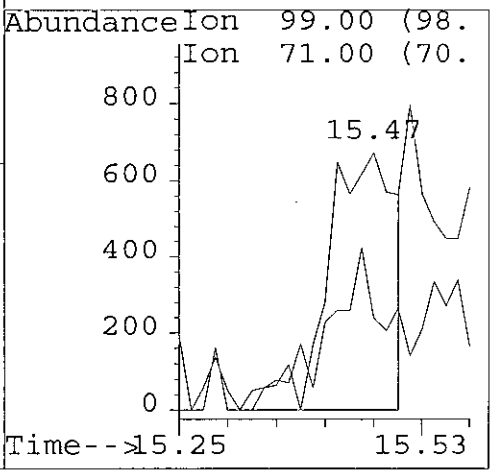
Ion	Exp Ratio
112	100
64	69.2
92	30.8
0	0.0

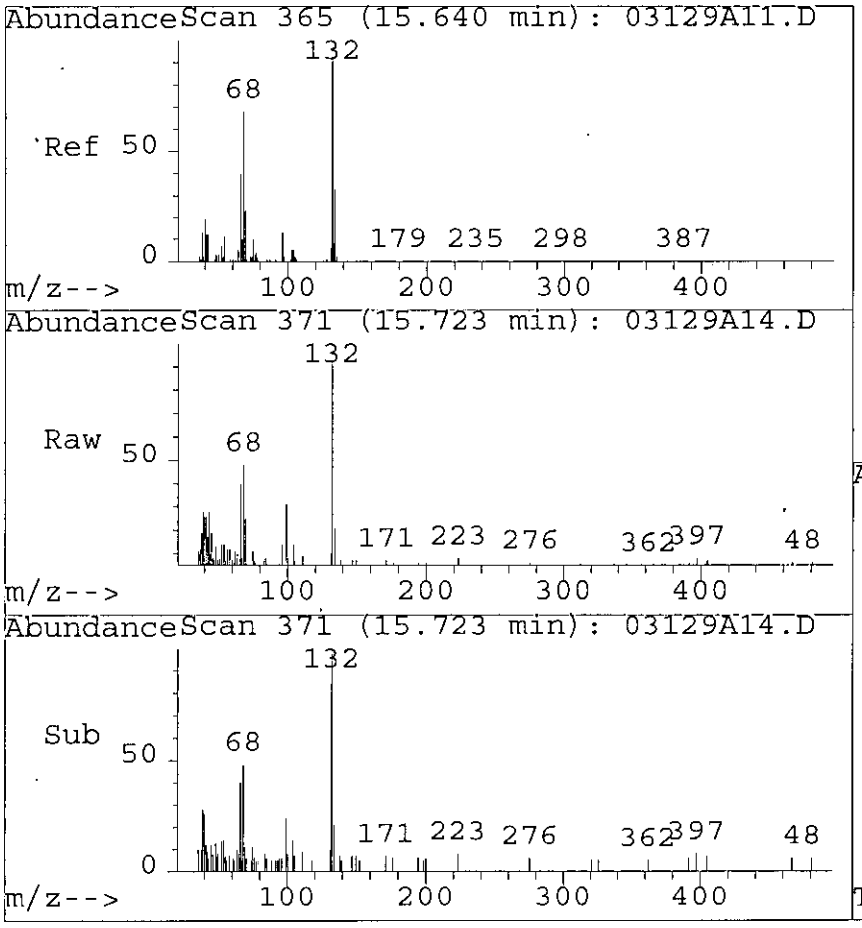


#4
PHENOL-D5
Concen: 2.74 ug/ml
RT: 15.47 min Scan# 353
Delta R.T. 0.17 min
Lab File: 03129A14.D
Acq: 13 Mar 99 1:39 pm

Tgt Ion:99 Resp: 3631

Ion	Ratio	Lower	Upper
99	100		
71	35.6	27.7	41.4
0	0.0	0.0	0.0
0	0.0	0.0	0.0

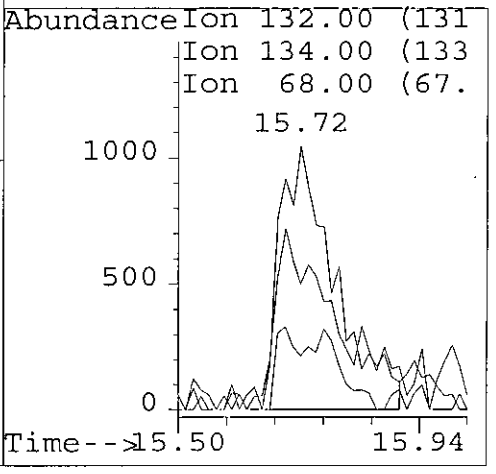


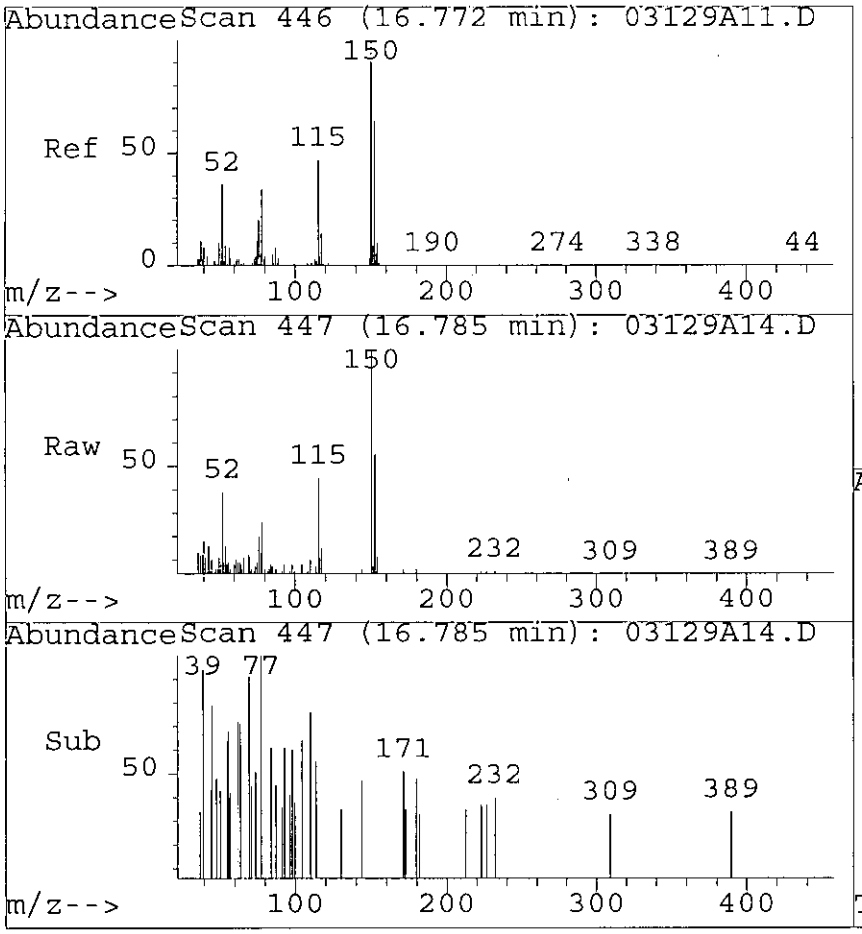


#5
2-CHLOROPHENOL-D4
Concen: 7.59 ug/ml
RT: 15.72 min Scan# 371
Delta R.T. 0.08 min
Lab File: 03129A14.D
Acq: 13 Mar 99 1:39 pm

Tgt Ion:132 Resp: 7302

Ion	Ratio	Lower	Upper
132	100		
134	20.6	24.0	35.9#
68	47.8	40.0	59.9
0	0.0	0.0	0.0

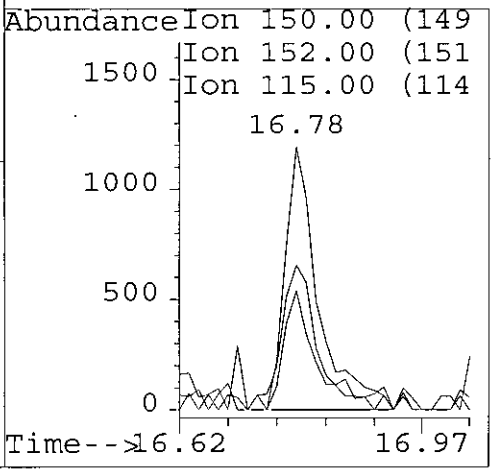


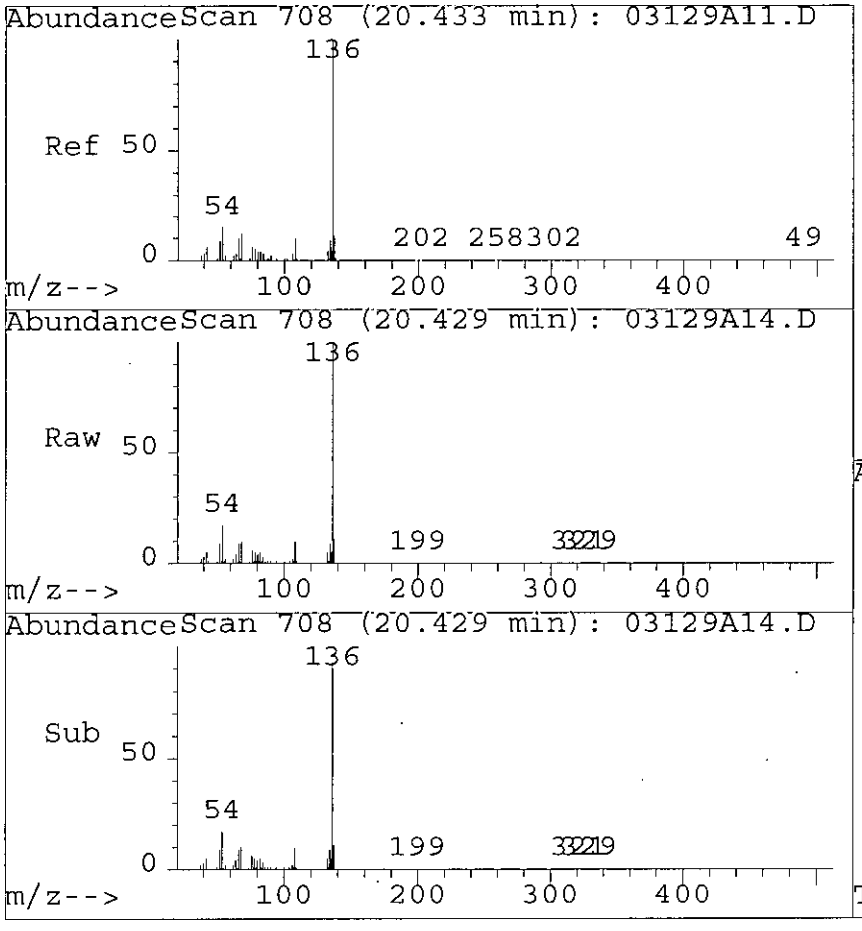


#12
1,2-DICHLOROBENZENE-D4
Concen: 3.54 ug/ml
RT: 16.78 min Scan# 447
Delta R.T. 0.01 min
Lab File: 03129A14.D
Acq: 13 Mar 99 1:39 pm

Tgt Ion:150 Resp: 3967

Ion	Ratio	Lower	Upper
150	100		
152	55.0	52.2	78.3
115	45.2	37.8	56.7
0	0.0	0.0	0.0

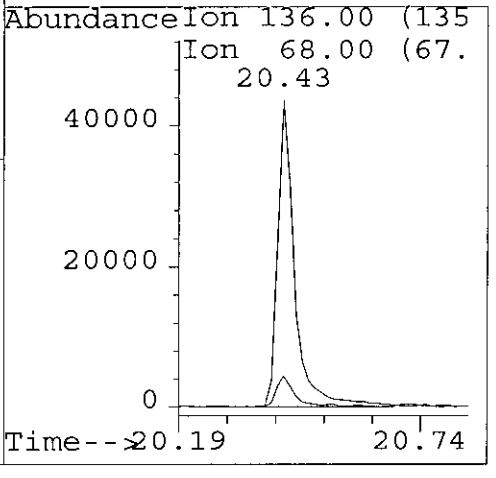


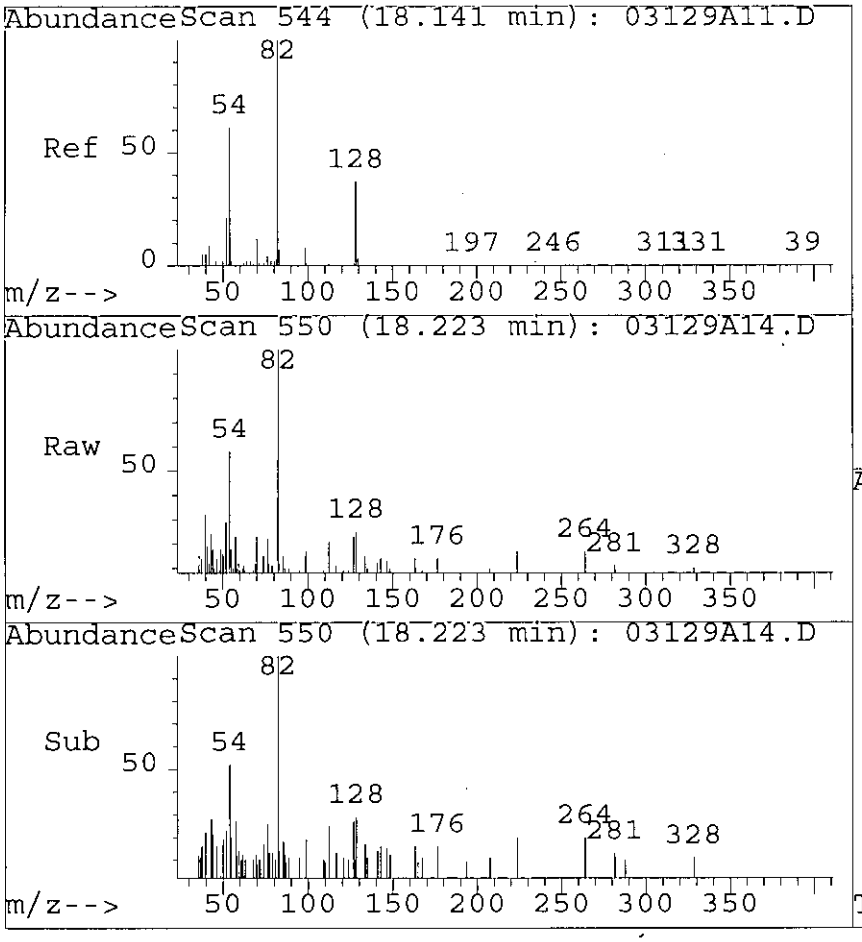


#19
NAPHTHALENE-D8
Concen: 40.00 ug/ml
RT: 20.43 min Scan# 708
Delta R.T. -0.00 min
Lab File: 03129A14.D
Acq: 13 Mar 99 1:39 pm

Tgt Ion:136 Resp: 117753

Ion	Ratio	Lower	Upper
136	100		
68	10.2	6.0	8.9#
0	0.0	0.0	0.0
0	0.0	0.0	0.0

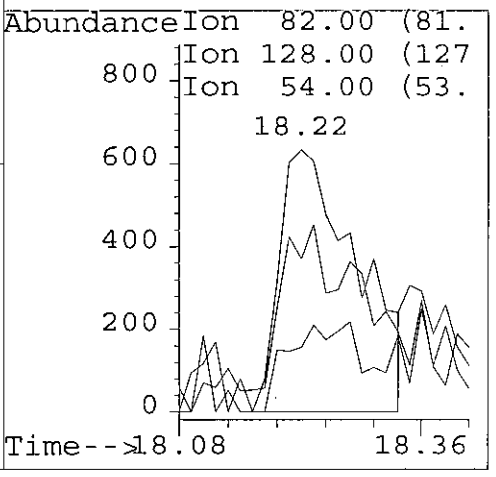


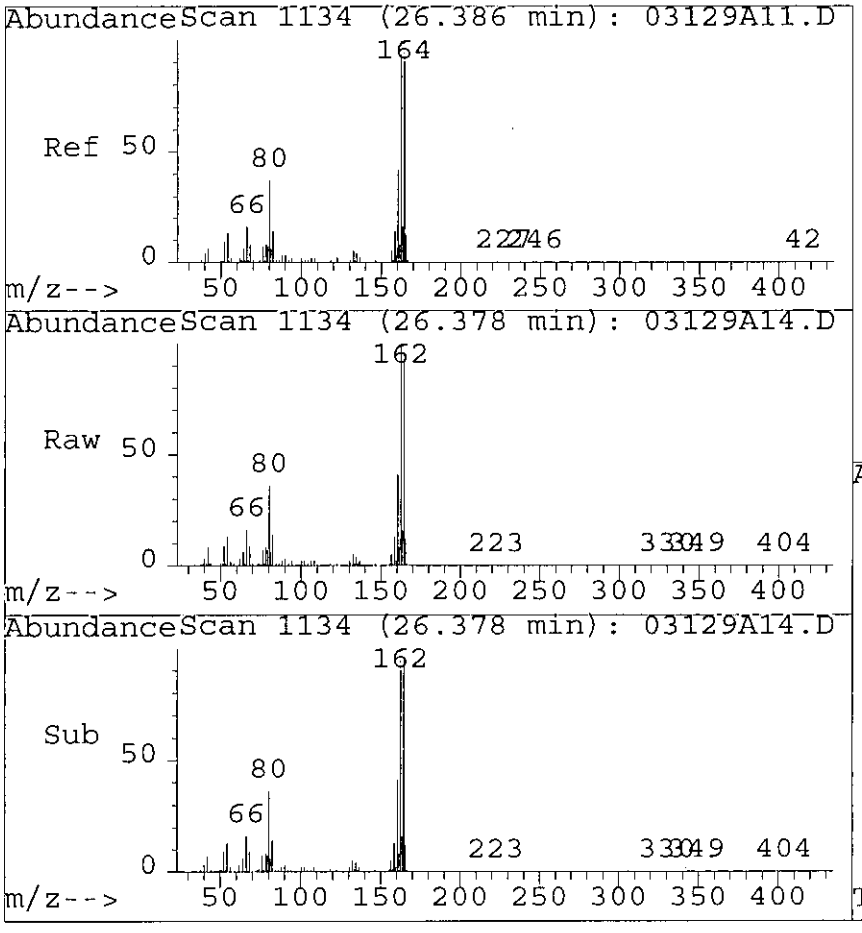


#20
NITROBENZENE-D5
Concen: 2.32 ug/ml
RT: 18.22 min Scan# 550
Delta R.T. 0.08 min
Lab File: 03129A14.D
Acq: 13 Mar 99 1:39 pm

Tgt Ion:82 Resp: 3932

Ion	Ratio	Lower	Upper
82	100		
128	24.8	34.4	51.5#
54	58.4	42.9	64.4
0	0.0	0.0	0.0

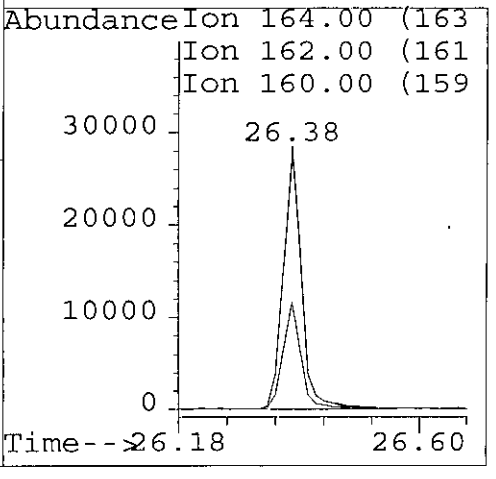


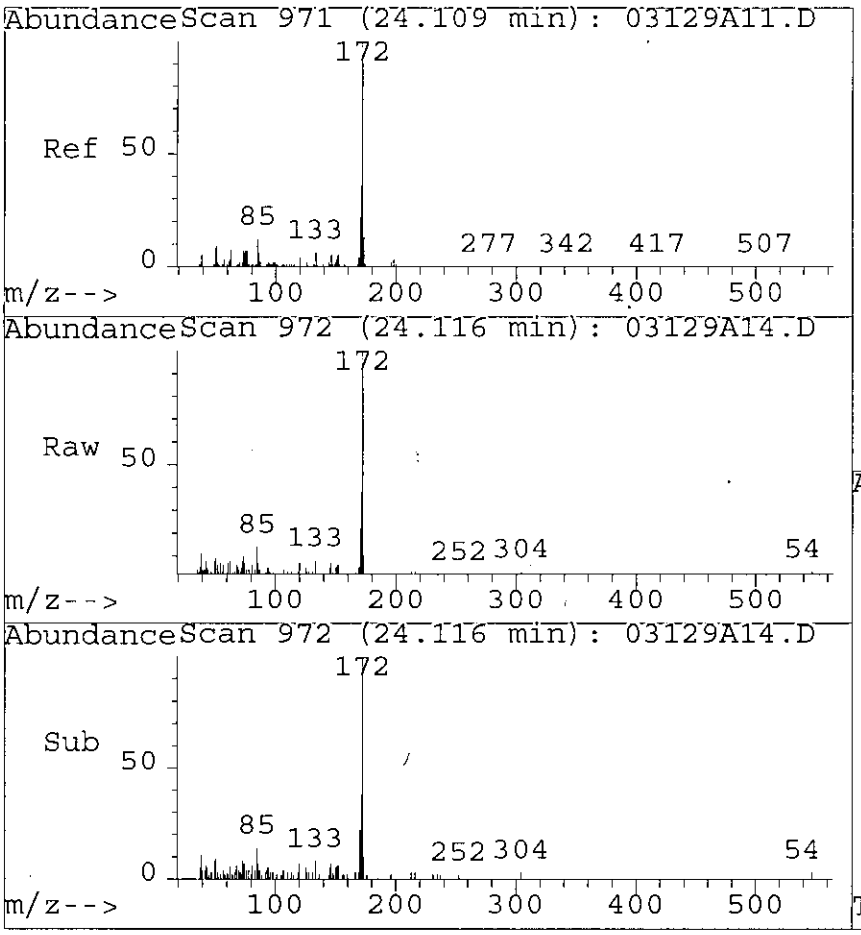


#34
ACENAPHTHENE-D10
Concen: 40.00 ug/ml
RT: 26.38 min Scan# 1134
Delta R.T. -0.01 min
Lab File: 03129A14.D
Acq: 13 Mar 99 1:39 pm

Tgt Ion:164 Resp: 60382

Ion	Ratio	Lower	Upper
164	100		
162	103.7	82.3	123.4
160	42.5	33.6	50.3
0	0.0	0.0	0.0

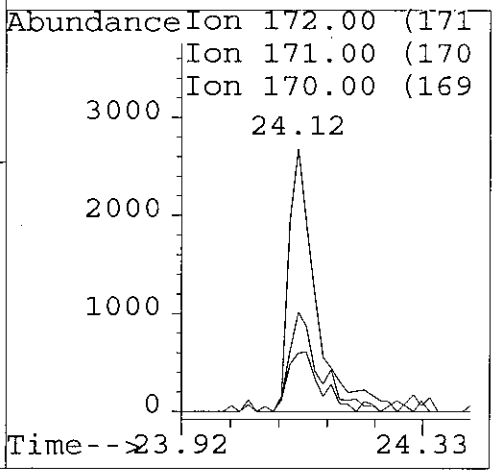


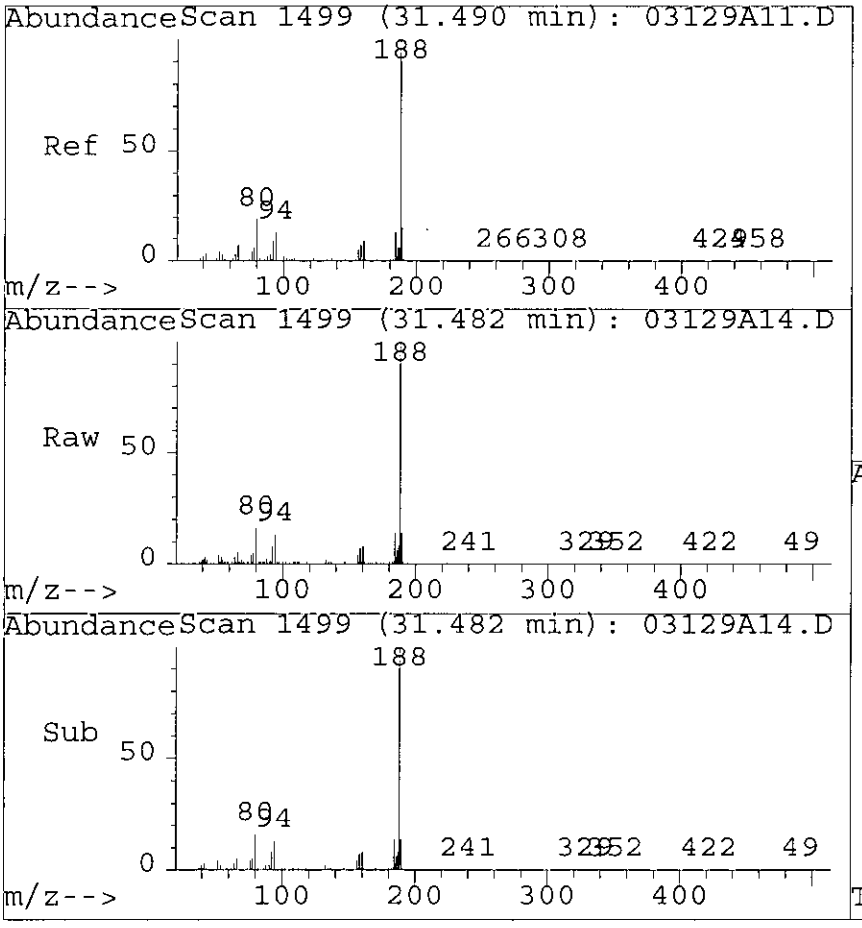


#38
FLUOROBIPHENYL
Concen: 4.31 ug/ml
RT: 24.12 min Scan# 972
Delta R.T. 0.01 min
Lab File: 03129A14.D
Acq: 13 Mar 99 1:39 pm

Tgt Ion:172 Resp: 8603

Ion	Ratio	Lower	Upper
172	100		
171	38.0	30.5	45.8
170	22.3	18.4	27.5
0	0.0	0.0	0.0

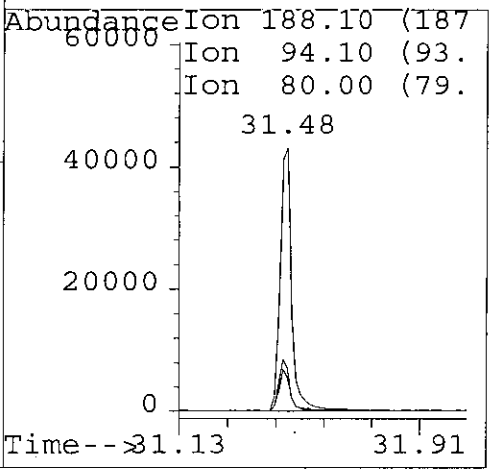


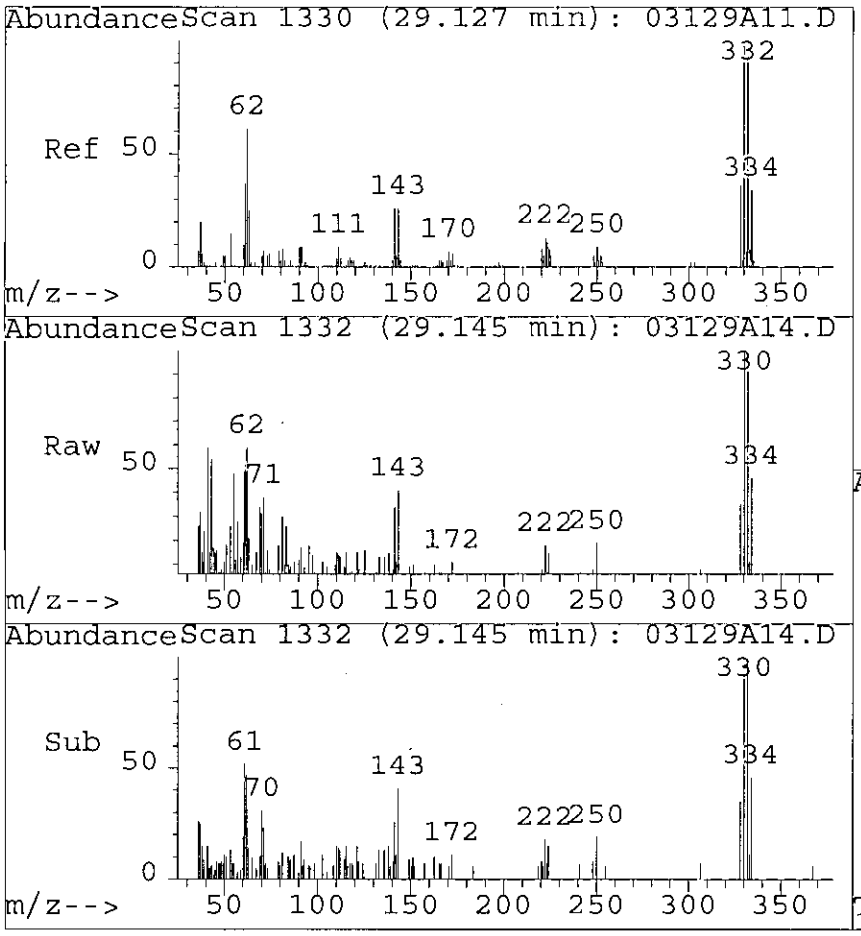


#54
PHENANTHRENE-D10
Concen: 40.00 ug/ml
RT: 31.48 min Scan# 1499
Delta R.T. -0.01 min
Lab File: 03129A14.D
Acq: 13 Mar 99 1:39 pm

Tgt Ion:188.1 Resp: 113208

Ion	Ratio	Lower	Upper
188	100		
94	12.9	11.6	17.3
80	16.4	13.7	20.5
0	0.0	0.0	0.0

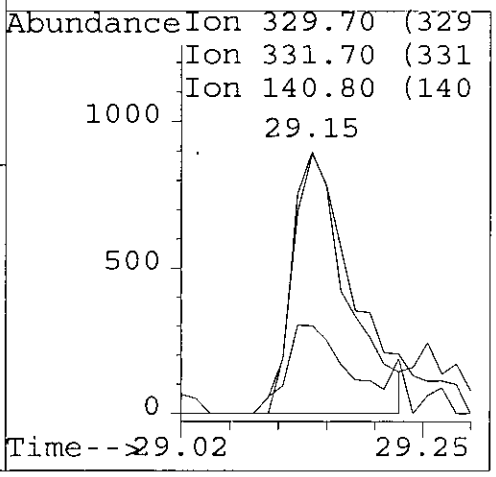


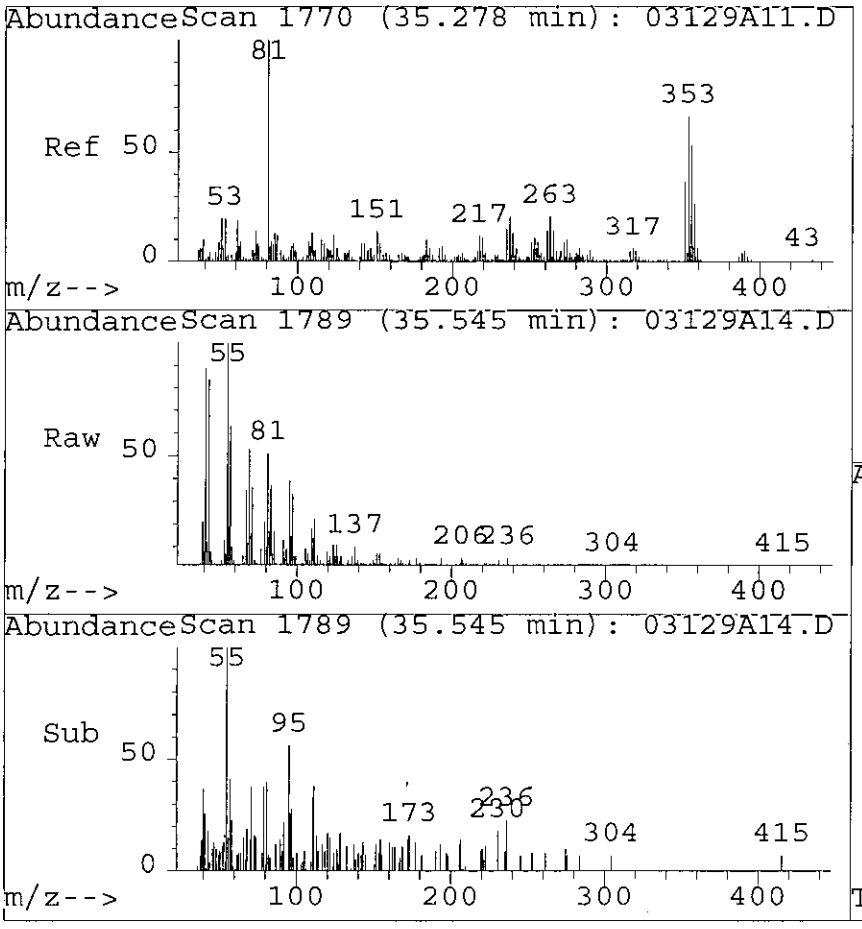


#58
2,4,6-TRIBROMOPHENOL
Concen: 7.13 ug/ml
RT: 29.15 min Scan# 1332
Delta R.T. 0.02 min
Lab File: 03129A14.D
Acq: 13 Mar 99 1:39 pm

Tgt Ion:329.7 Resp: 3319

Ion	Ratio	Lower	Upper
330	100		
332	99.0	69.7	104.5
141	33.7	30.9	46.4
0	0.0	0.0	0.0

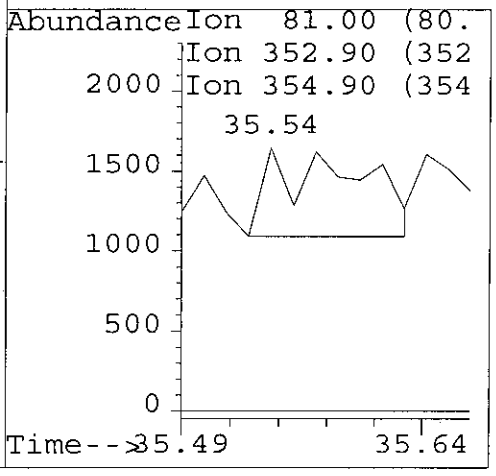


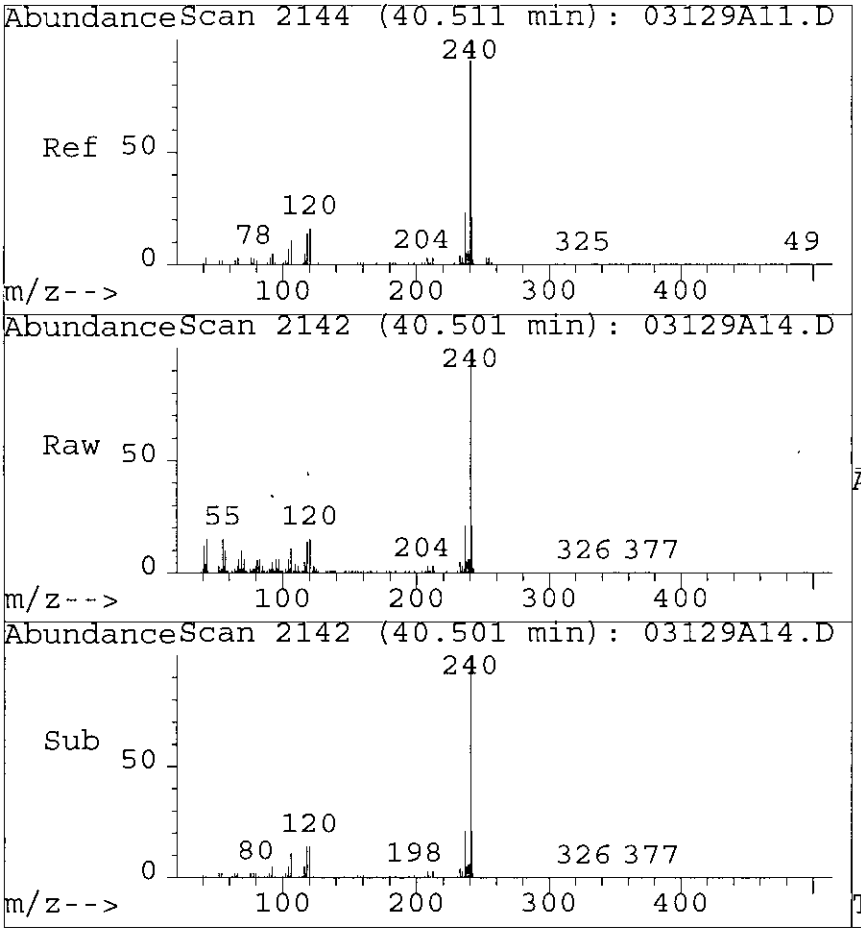


#72
HEPTACHLOR EPOXIDE
Concen: 4.67 ug/ml
RT: 35.54 min Scan# 1789
Delta R.T. 0.27 min
Lab File: 03129A14.D
Acq: 13 Mar 99 1:39 pm

Tgt Ion:81 Resp: 2216

Ion	Ratio	Lower	Upper
81	100		
353	0.0	32.2	48.3#
355	0.0	30.8	46.1#
0	0.0	0.0	0.0

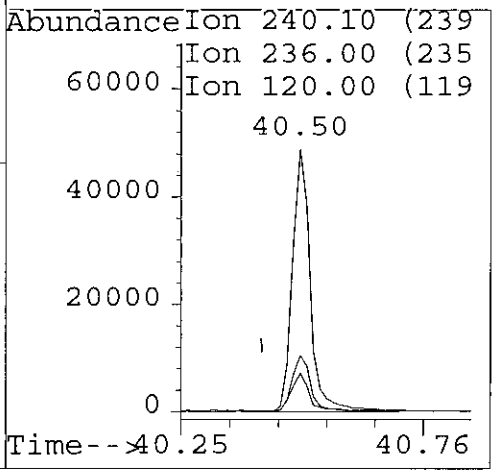


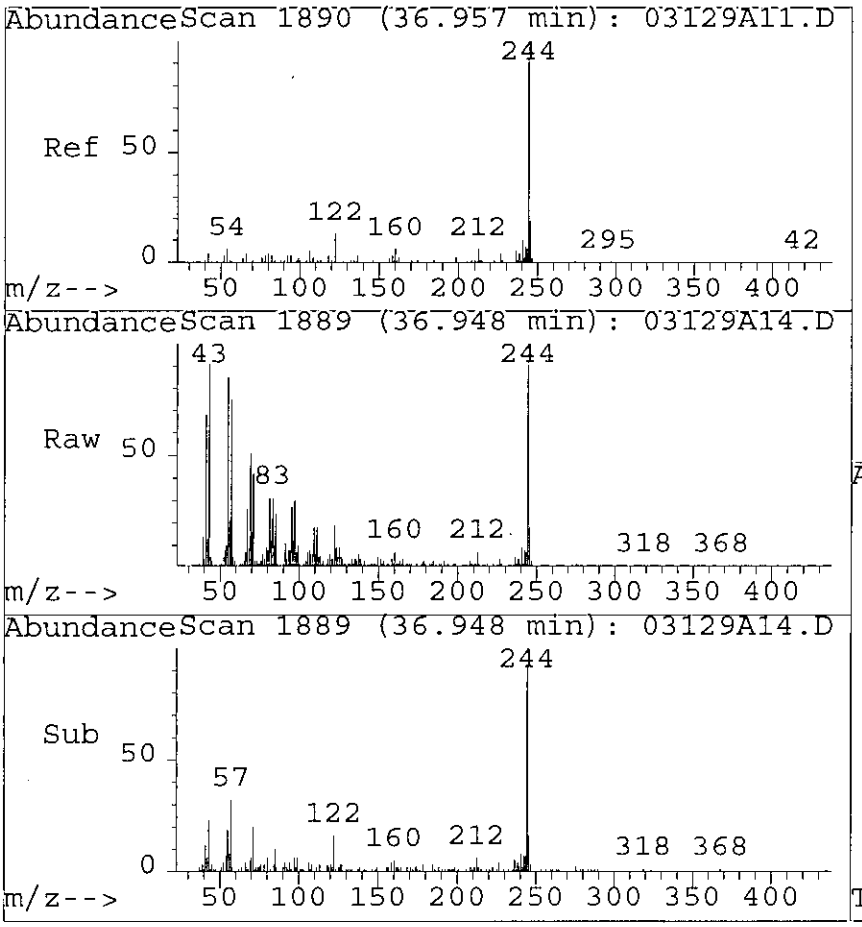


#74
CHRYSENE-D12
Concen: 40.00 ug/ml
RT: 40.50 min Scan# 2142
Delta R.T. -0.01 min
Lab File: 03129A14.D
Acq: 13 Mar 99 1:39 pm

Tgt Ion:240.1 Resp: 130088

Ion	Ratio	Lower	Upper
240	100		
236	21.5	20.6	30.9
120	14.7	17.5	26.2#
0	0.0	0.0	0.0

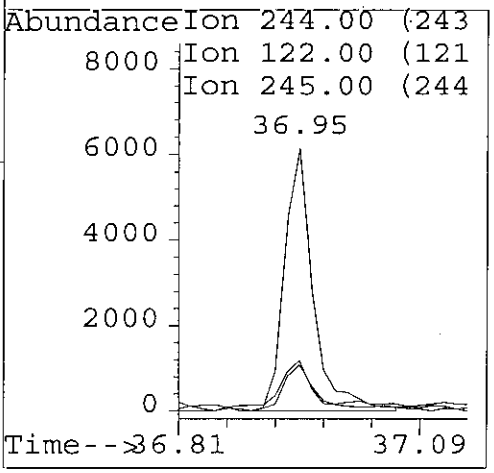


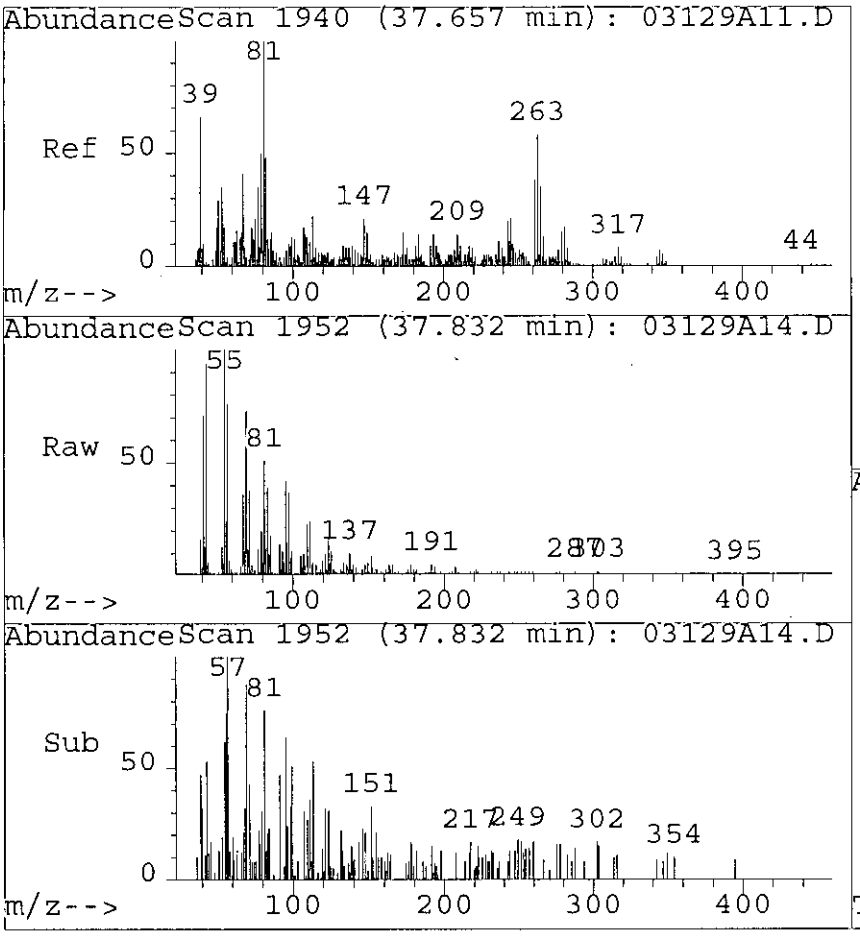


#78
P-TERPHENYL-D14
Concen: 4.47 ug/ml
RT: 36.95 min Scan# 1889
Delta R.T. -0.01 min
Lab File: 03129A14.D
Acq: 13 Mar 99 1:39 pm

Tgt Ion:244 Resp: 14355

Ion	Ratio	Lower	Upper
244	100		
122	19.3	15.3	23.0
245	17.7	15.6	23.3
0	0.0	0.0	0.0

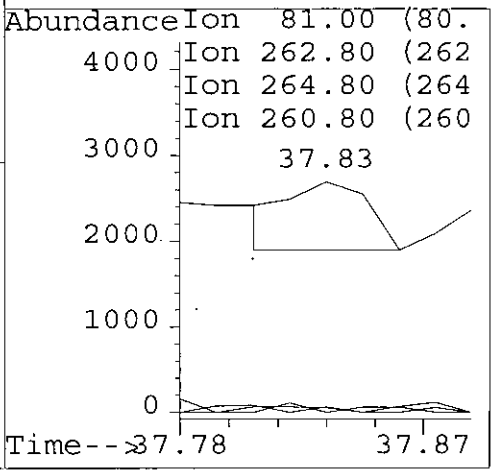


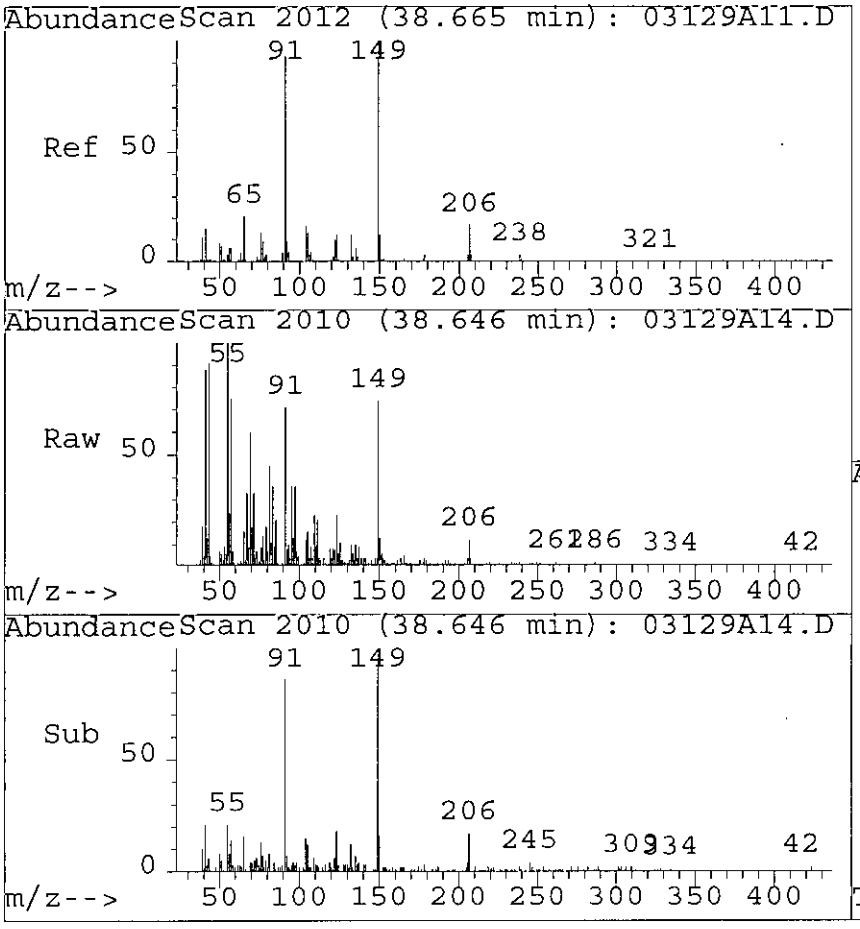


#80
ENDRIN
Concen: 5.15 ug/ml
RT: 37.83 min Scan# 1952
Delta R.T. 0.18 min
Lab File: 03129A14.D
Acq: 13 Mar 99 1:39 pm

Tgt Ion:81 Resp: 1720

Ion	Ratio	Lower	Upper
81	100		
263	1.9	35.7	53.6#
265	0.0	24.4	36.5#
261	2.4	24.6	36.9#

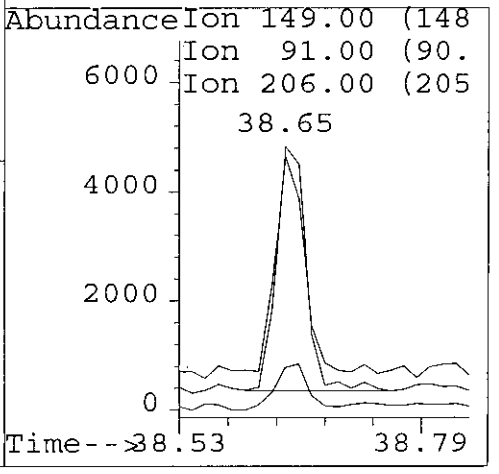


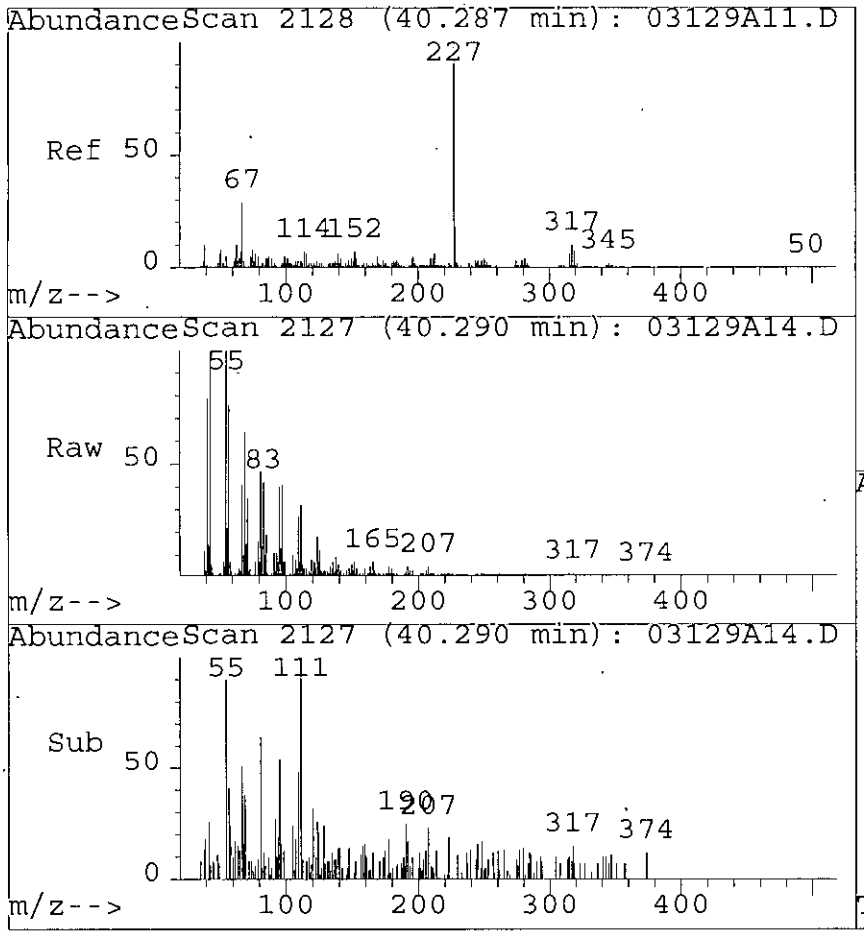


#83
BUTYLBENZYLPHTHALATE
Concen: 4.51 ug/ml
RT: 38.65 min Scan# 2010
Delta R.T. -0.02 min
Lab File: 03129A14.D
Acq: 13 Mar 99 1:39 pm

Tgt Ion:149 Resp: 9946

Ion	Ratio	Lower	Upper
149	100		
91	96.2	65.3	97.8
206	16.1	11.5	17.2
0	0.0	0.0	0.0

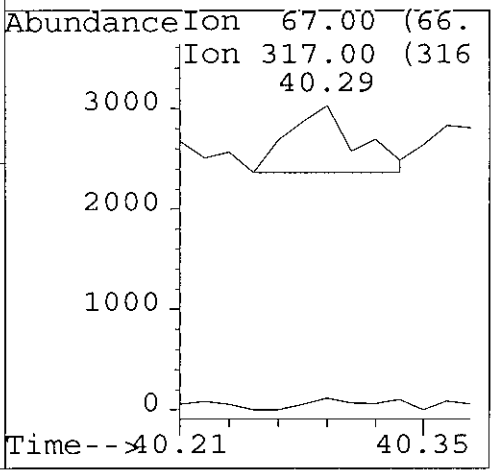


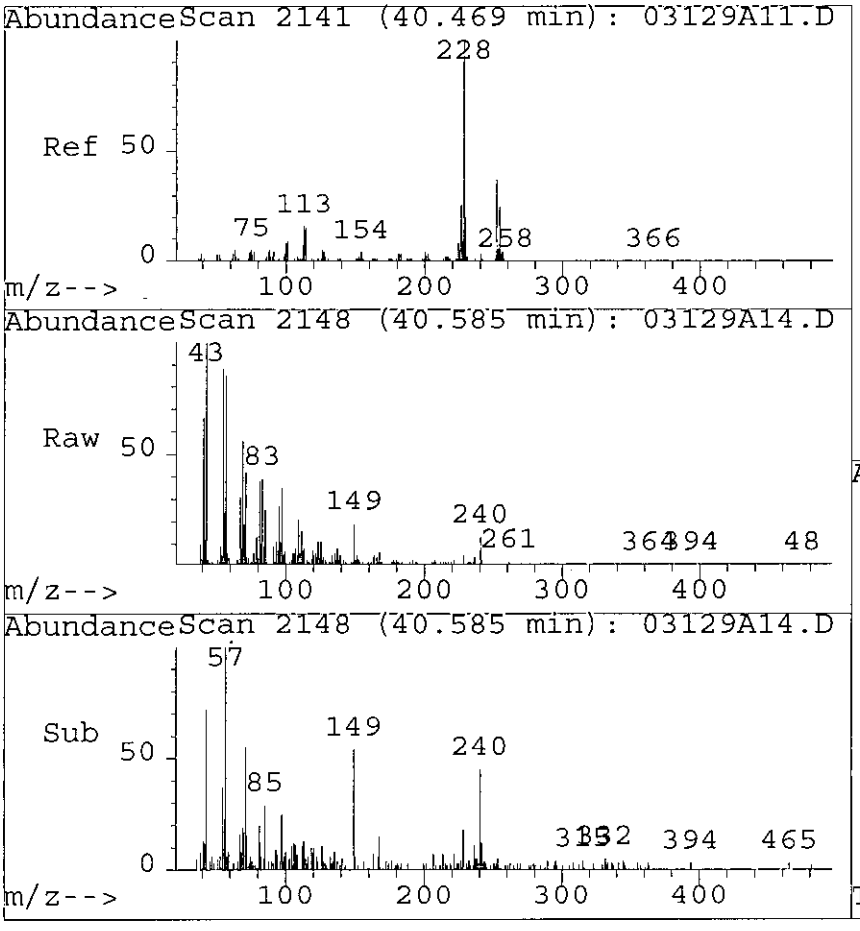


#87
ENDRIN KETONE
Concen: 3.27 ug/ml
RT: 40.29 min Scan# 2127
Delta R.T. 0.00 min
Lab File: 03129A14.D
Acq: 13 Mar 99 1:39 pm

Tgt Ion:67 Resp: 1827

Ion	Ratio	Lower	Upper
67	100		
317	3.8	17.7	26.6#
0	0.0	0.0	0.0
0	0.0	0.0	0.0

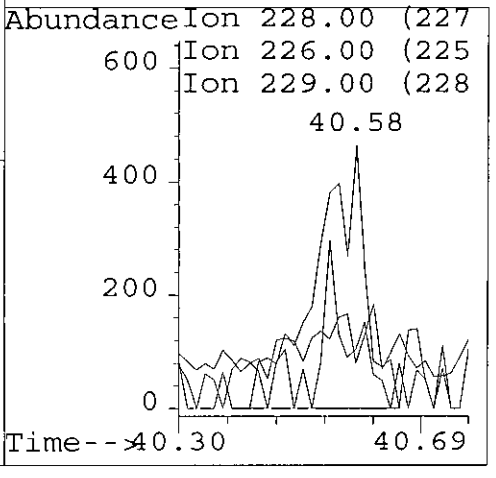


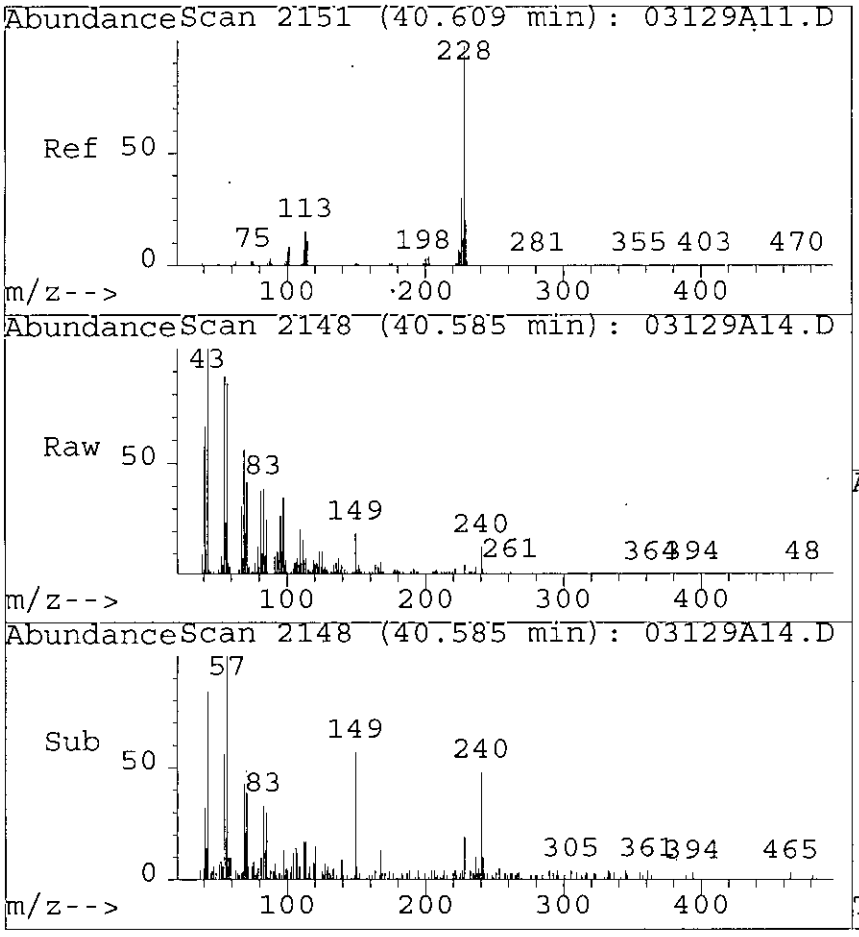


#89
BENZ(A)ANTHRACENE
Concen: 0.78 ug/ml
RT: 40.58 min Scan# 2148
Delta R.T. 0.12 min
Lab File: 03129A14.D
Acq: 13 Mar 99 1:39 pm

Tgt Ion:228 Resp: 2634

Ion	Ratio	Lower	Upper
228	100		
226	22.7	22.6	33.9
229	17.5	16.8	25.1
0	0.0	0.0	0.0

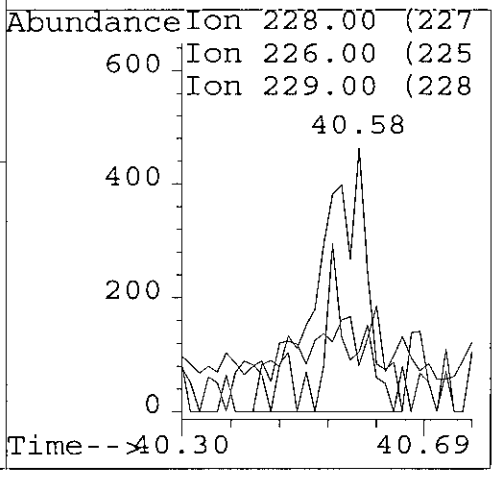


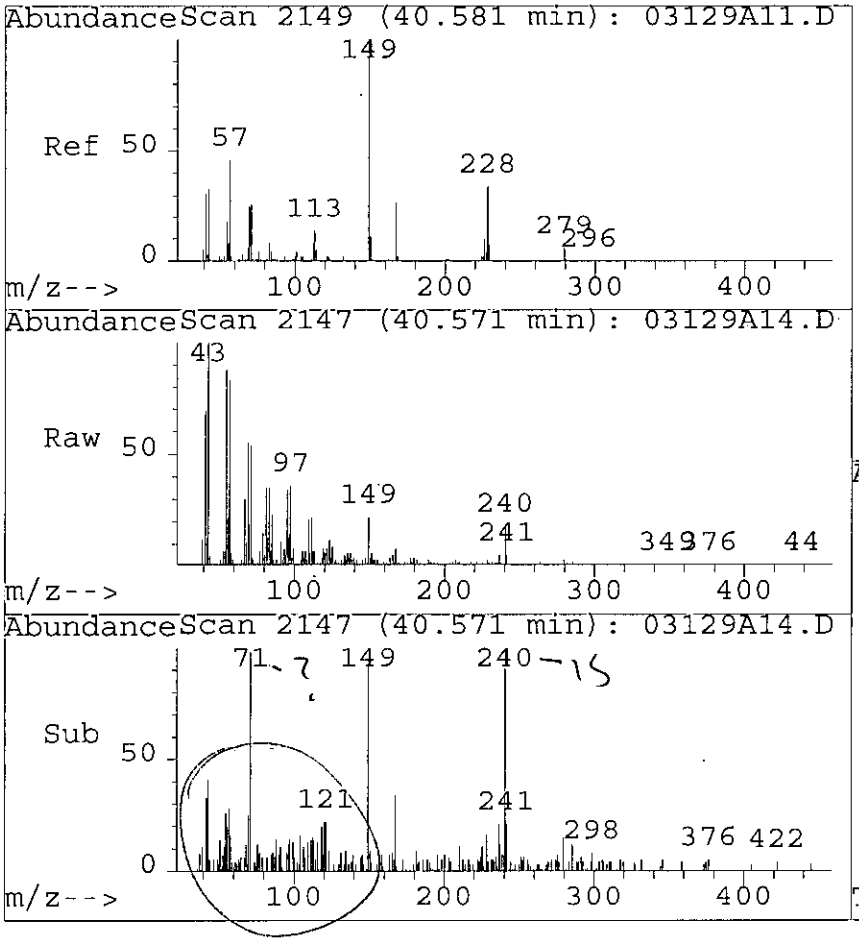


#90
CHRYSENE
Concen: 0.82 ug/ml
RT: 40.58 min Scan# 2148
Delta R.T. -0.02 min
Lab File: 03129A14.D
Acq: 13 Mar 99 1:39 pm

Tgt Ion:228 Resp: 2634

Ion	Ratio	Lower	Upper
228	100		
226	22.7	22.1	33.1
229	17.5	16.2	24.3
0	0.0	0.0	0.0

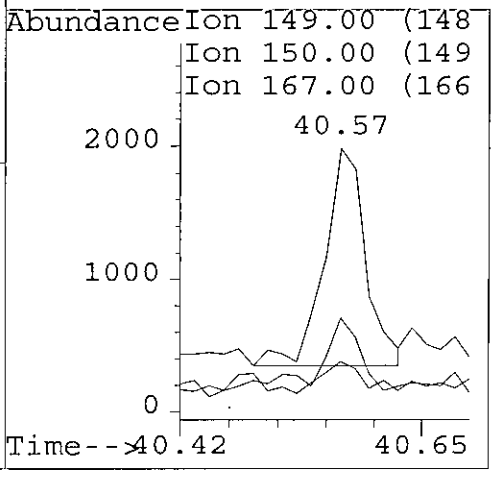


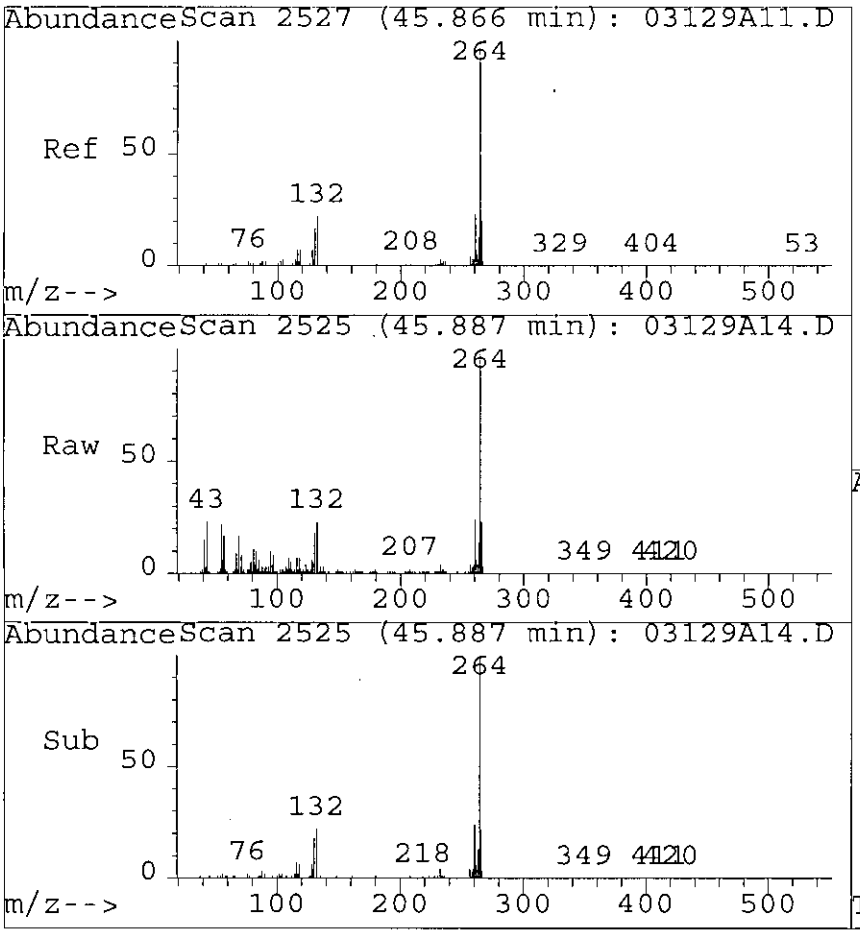


#91
BIS(2-ETHYLHEXYL)PHTHALATE
Concen: 1.52 ug/ml
RT: 40.57 min Scan# 2147
Delta R.T. -0.01 min
Lab File: 03129A14.D
Acq: 13 Mar 99 1:39 pm

Tgt Ion:149 Resp: 4596

Ion	Ratio	Lower	Upper
149	100		
150	19.2	9.5	14.2#
167	35.9	20.5	30.7#
0	0.0	0.0	0.0

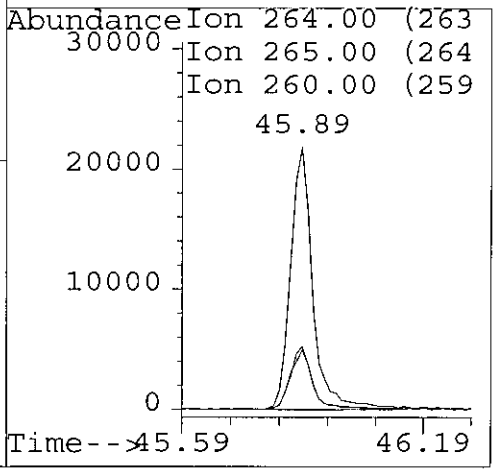




#92
PERYLENE-D12
Concen: 40.00 ug/ml
RT: 45.89 min Scan# 2525
Delta R.T. 0.02 min
Lab File: 03129A14.D
Acq: 13 Mar 99 1:39 pm

Tgt Ion:264 Resp: 83509

Ion	Ratio	Lower	Upper
264	100		
265	22.5	17.1	25.6
260	24.0	19.3	28.9
0	0.0	0.0	0.0



TIC: 03129A14.D

67832 (1:10)

Peak#	Ret Time	Type	Width	Area	Start Time	End Time
1	11.381	rBV	0.265	177587	11.325	11.590
2	12.540	rBV	0.140	15019-s	12.498	12.638
3	14.620	rBV	0.140	10453	14.508	14.648
4	15.039	rVB	0.098	15821	14.983	15.081
5	15.472	rBV	0.168	18960-s	15.332	15.500
6	15.695	rVB	0.224	32601-s	15.626	15.849
7	15.947	rBV	0.140	18901	15.849	15.989
8	16.282	rBV	0.182	219238-IS	16.198	16.380
9	16.785	rBV	0.140	24952-s	16.715	16.855
10	18.223	rBV	0.181	18379-s	18.125	18.307
11	18.684	rBV	0.181	27068	18.628	18.809
12	20.429	rBV	0.280	282849-IS	20.303	20.583
13	21.881	rBV	0.126	12300	21.783	21.909
14	23.291	rBV	0.182	15337	23.165	23.347
15	23.683	rBV	0.084	10203	23.627	23.711
16	24.116	rBV	0.112	28556-s	24.060	24.172
17	24.507	rBV	0.112	10897	24.451	24.563
18	25.079	rBV	0.112	11826	24.996	25.107
19	26.378	rBV	0.168	307268-IS	26.308	26.476
20	27.104	rVB	0.126	11303	27.048	27.174
21	27.202	rBV	0.098	12245	27.174	27.272
22	28.670	rVB	0.098	10954	28.628	28.726
23	29.145	rBV	0.280	50908-s	29.076	29.355
24	29.579	rBV	0.168	29956	29.481	29.649
25	30.209	rVB	0.126	12532	30.139	30.264
26	30.320	rBV	0.126	13243	30.264	30.390
27	31.076	rBV	0.084	13010	31.020	31.104
28	31.174	rVB	0.140	43845	31.118	31.258
29	31.468	rBV	0.238	320887-IS	31.398	31.636
30	31.762	rVB	0.140	25283	31.692	31.832
31	32.392	rBV	0.084	23542	32.336	32.420
32	32.700	rBV	0.182	34175	32.602	32.783
33	33.147	rBV	0.098	17371	33.119	33.217
34	33.287	rBV	0.168	21487	33.217	33.385
35	33.554	rBV	0.182	37713	33.399	33.582
36	34.170	rBV	0.070	12332	34.114	34.184
37	34.297	rVV	0.084	11250	34.254	34.339
38	34.717	rBV	0.140	20222	34.675	34.815
39	34.900	rBV	0.197	48054	34.815	35.012
40	35.643	rBV	0.084	20287	35.601	35.685
41	36.260	rBV	0.084	21616	36.232	36.316
42	36.738	rBV	0.126	40526	36.667	36.794
43	36.948	rBV	0.112	88760-s	36.892	37.004
44	37.369	rBV	0.056	14427	37.341	37.397
45	37.439	rVV	0.056	15213	37.411	37.467
46	37.930	rVB	0.154	53355	37.874	38.028
47	38.646	rBV	0.098	55651-T	38.617	38.716
48	39.994	rBV	0.070	36462	39.938	40.008
49	40.501	rBV	0.127	335764-IS (Chrysene-d12	40.430	40.557
50	41.105	rBV	0.084	34095	41.077	41.161
51	41.724	rVB	0.127	42517	41.682	41.808
52	42.273	rVB	0.169	90727	42.230	42.399
53	42.638	rVB	0.140	79173	42.596	42.737
54	44.298	rVB	0.126	78640	44.270	44.396
55	45.591	rVB	0.099	58961	45.549	45.648

56	45.887	rVB	0.211	280387 - IS Perylene-D12	45.816	46.027
57	46.295	rBV	0.112	63964	46.238	46.351
58	47.123	rVB	0.210	85559	47.095	47.305
59	47.880	rVB	0.112	33178	47.824	47.936
60	48.455	rBV	0.140	121027	48.371	48.511
61	49.465	rVB	0.168	49644	49.409	49.577
62	49.844	rVB	0.126	38344	49.788	49.914
63	50.124	rVB	0.168	140229	50.040	50.208
64	51.064	rVB	0.112	19191	51.022	51.134
65	51.345	rVB	0.126	11523	51.303	51.429
66	52.410	rVB	0.197	55205	52.284	52.480
67	52.718	rVB	0.224	45090	52.620	52.844
68	53.601	rVB	0.196	25135	53.587	53.783
69	54.495	rVB	0.266	39385	54.397	54.662
70	56.258	rBV	0.084	10347	56.202	56.286
71	56.845	rBV	0.112	11303	56.789	56.901
72	58.650	rBV	0.112	11489	58.608	58.720

Start Threshold = 0.08

Library Search Compound Report

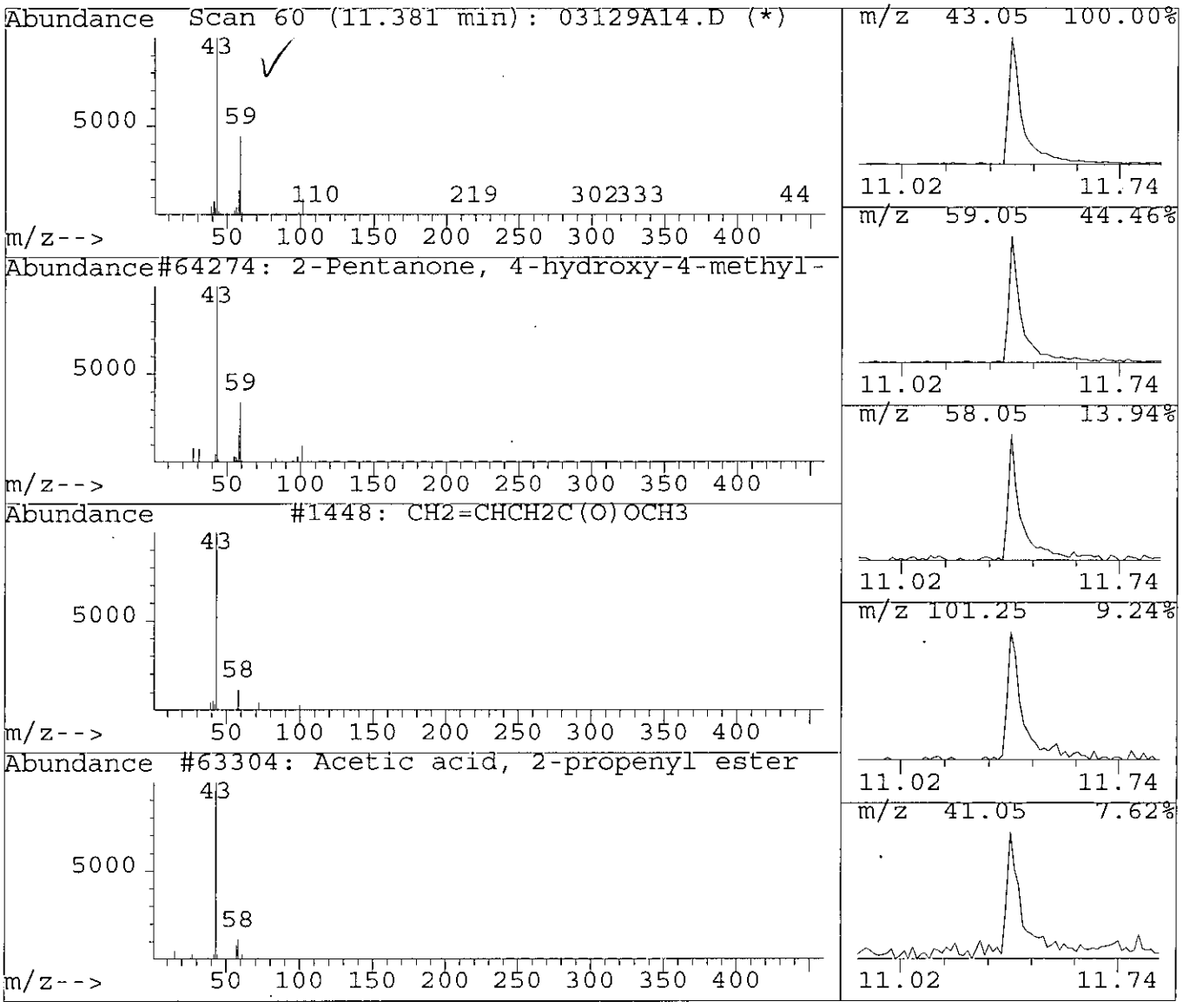
Data File : C:\HPCHEM\1\DATA\03129A14.D
Acq On : 13 Mar 99 1:39 pm
Sample : 67832 (1:10)
Misc : American Glue & Resin P#99187

Vial: 14
Operator: ESAT
Inst : 5988
Multiplr: 4579.80

Method : C:\HPCHEM\1\METHODS\03129A02.M
Title : semivolatiles
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	R.T.
11.38	143505.98 ug/ml	177587	1,4-DICHLOROBENZENE-D4	16.28

Hit# of 20	Tentative ID	Ref#	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	64274	000123-42-2	43
2	CH2=CHCH2C(O)OCH3	1448	003724-55-8	10
3	Acetic acid, 2-propenyl ester	63304	000591-87-7	9
4	Butane	62336	000106-97-8	9
5	Formamide, N,N-diethyl-	1629	000617-84-5	9



Library Search Compound Report

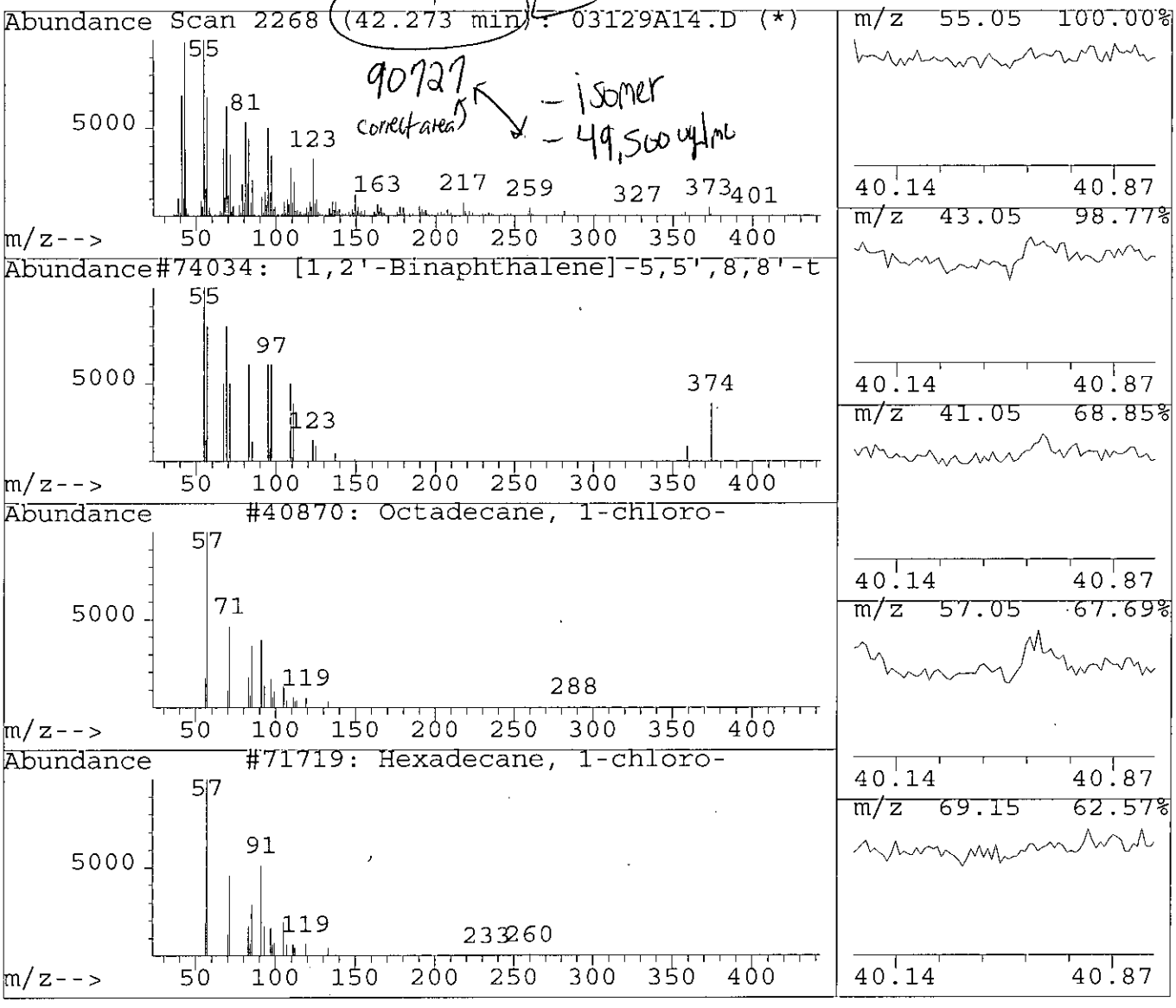
Data File : C:\HPCHEM\1\DATA\03129A14.D
Acq On : 13 Mar 99 1:39 pm
Sample : 67832 (1:10)
Misc : American Glue & Resin P#99187

Vial: 14
Operator: ESAT
Inst : 5988
Multiplr: 4579.80

Method : C:\HPCHEM\1\METHODS\03129A02.M
Title : semivolatiles
Library : C:\DATABASE\NBS75K.L

R.T.	Conc		Area	Relative to ISTD	R.T.
40.50	183192.00 ug/ml	incorrect	325860	CHRYSENE-D12	40.50

Hit# of 20	Tentative ID	Ref#	CAS#	Qual
1	[1,2'-Binaphthalene]-5,5',8,8'-tetr	74034	020175-84-2	99
2	Octadecane, 1-chloro-	40870	003386-33-2	46
3	Hexadecane, 1-chloro-	71719	004860-03-1	45
4	Tetradecane, 1-chloro-	70962	002425-54-9	44
5	6-Octen-1-ol, 3,7-dimethyl-, format	18879	000105-85-1	43



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\03129A14.D
Acq On : 13 Mar 99 1:39 pm
Sample : 67832 (1:10)
Misc : American Glue & Resin P#99187

Vial: 14
Operator: ESAT
Inst : 5988
Multiplr: 4579.80

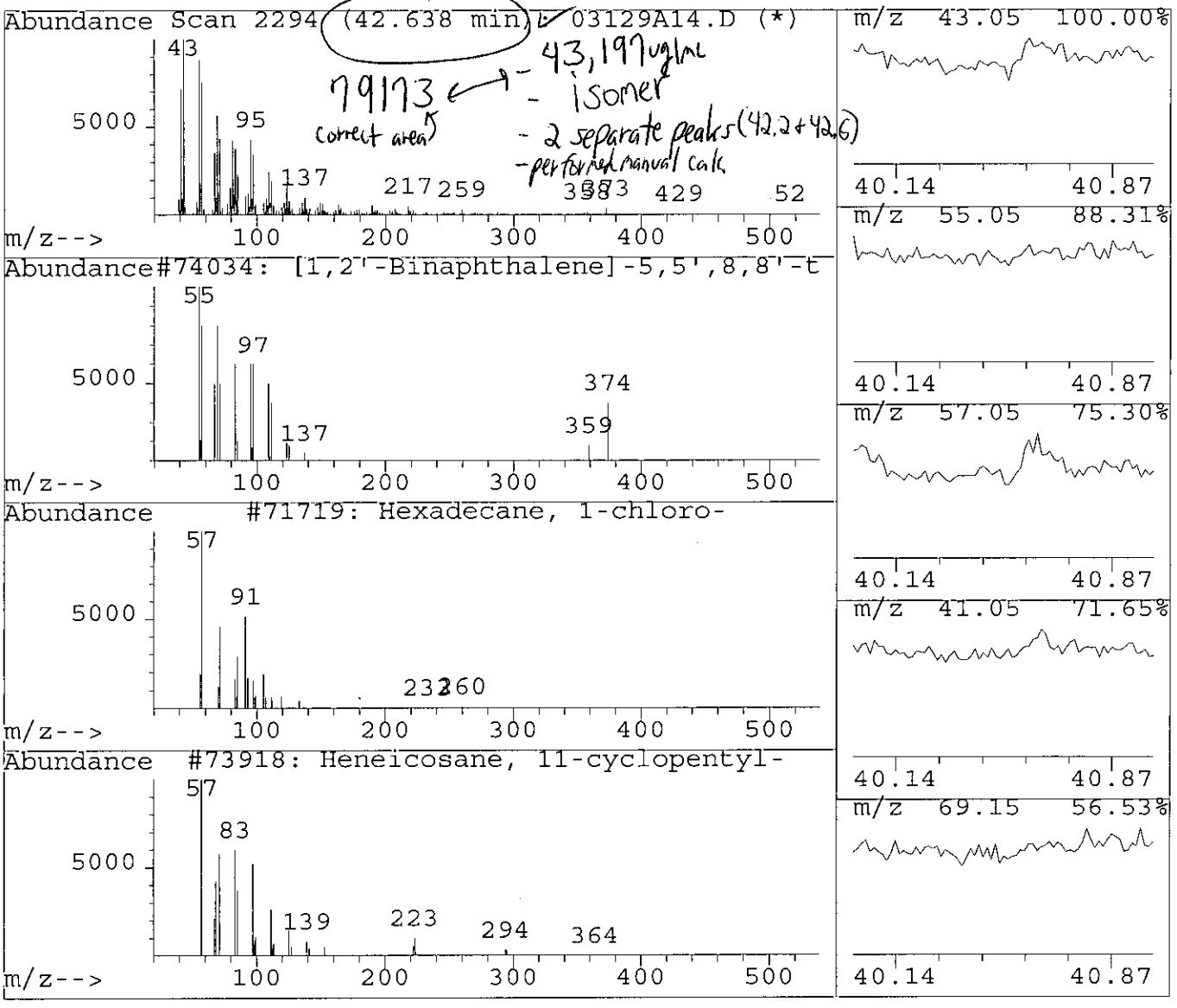
Method : C:\HPCHEM\1\METHODS\03129A02.M
Title : semivolatiles
Library : C:\DATABASE\NBS75K.L

incorrect

R.T.	Conc	Area	Relative to ISTD	~~R.T.~~
40.50	183192.00 ug/ml	325860	CHRYSENE-D12	40.50

~~scan 2268~~ sample

Hit# of 20	Tentative ID	Ref#	CAS#	Qual
1	[1,2'-Binaphthalene]-5,5',8,8'-tetr	74034	020175-84-2	99
2	Hexadecane, 1-chloro-	71719	004860-03-1	59
3	Heneicosane, 11-cyclopentyl-	73918	006703-81-7	46
4	Eicosane	72323	000112-95-8	38
5	Cyclohexane, 1-(1,5-dimethylhexyl)-	39523	056009-20-2	38



79173 ← correct area

43,197 ug/mL
- isomer
- 2 separate peaks (42.2 + 42.6)
- performed manual calc

[1,2'-Binaphthalene]-5,5',8,8'-tetrone, 1',4-dihydroxy-2,3'-dimethyl-, (-)-

Entry Number	51753	from	C:\DATABASE\nbs75k.L
CAS	020175-84-2		
Melting Point	-300		
Boiling Point	-300		
Retention Index	0		
Mol Formula	C22H14O6		
Mol Weight	374.078		
Company ID	NIST 1992		

Miscellaneous Information
QI=60 Steroids; Carbohydrates;

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\03129A14.D
Acq On : 13 Mar 99 1:39 pm
Sample : 67832 (1:10)
Misc : American Glue & Resin P#99187

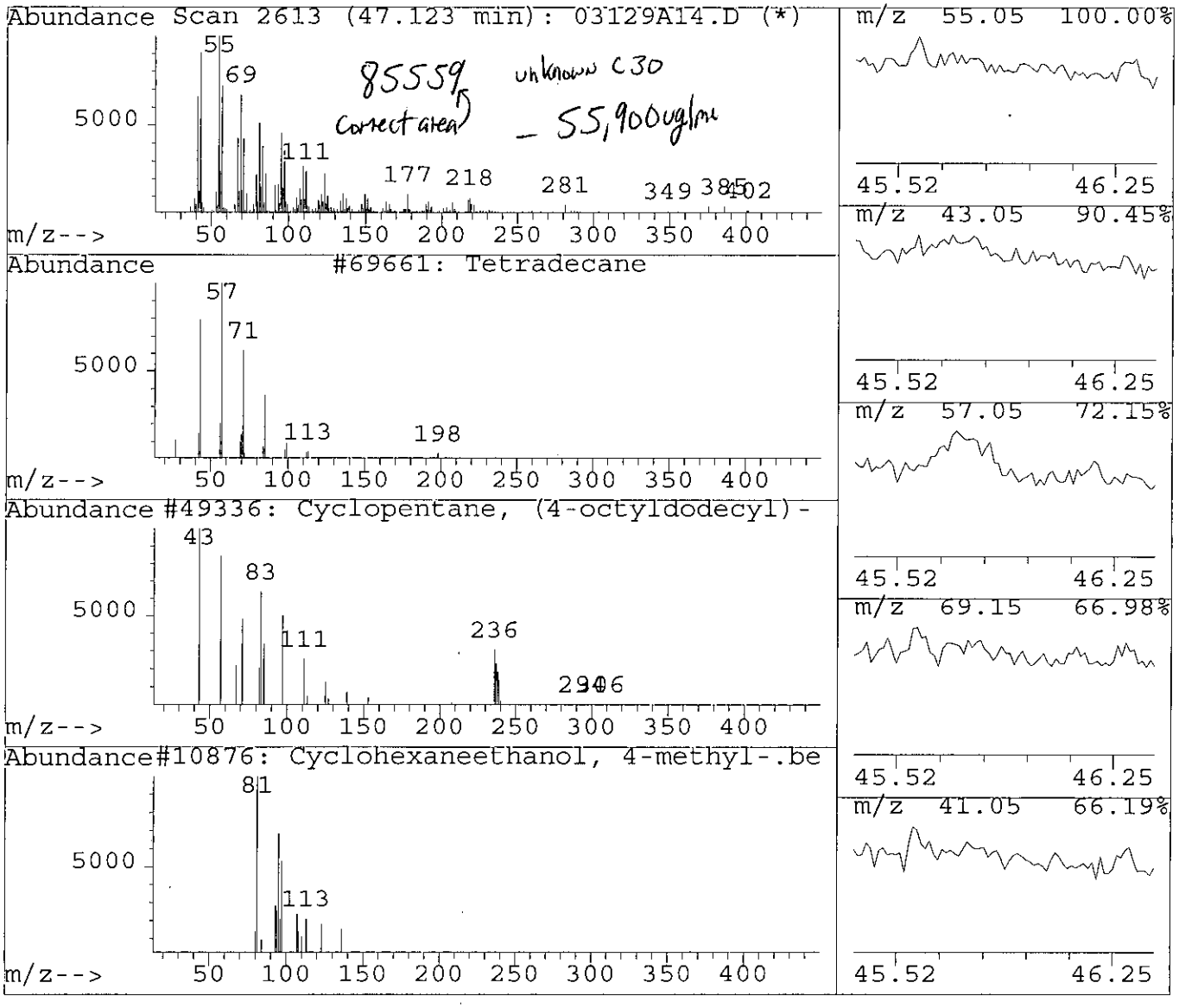
Vial: 14
Operator: ESAT
Inst : 5988
Multiplr: 4579.80

Method : C:\HPCHEM\1\METHODS\03129A02.M
Title : semivolatiles
Library : C:\DATABASE\NBS75K.L

incorrect

R.T.	Conc	Area	Relative to ISTD	R.T.
45.89	183192.00 ug/ml	280387	PERYLENE-D12	45.89

Hit# of 20	Tentative ID	Ref#	CAS#	Qual
1	Tetradecane	69661	000629-59-4	53
2	Cyclopentane, (4-octyldodecyl)-	49336	005638-09-5	43
3	Cyclohexaneethanol, 4-methyl-.beta.	10876	005502-99-8	25
4	Bicyclo[2.2.1]heptane, 1,3,3-trimet	7093	006248-88-0	25
5	Tridecane	69019	000629-50-5	25



Library Search Compound Report

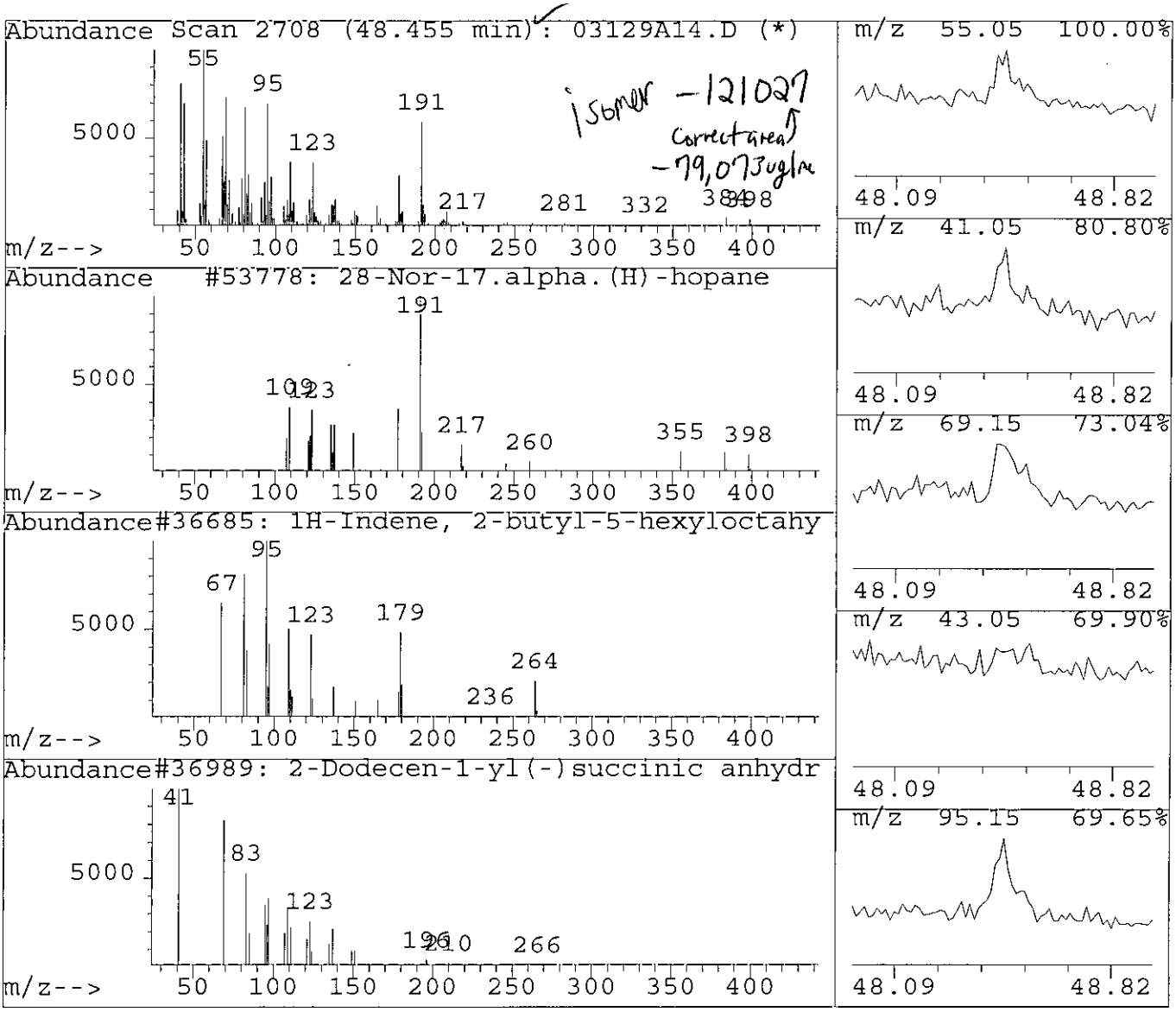
Data File : C:\HPCHEM\1\DATA\03129A14.D
Acq On : 13 Mar 99 1:39 pm
Sample : 67832 (1:10)
Misc : American Glue & Resin P#99187

Vial: 14
Operator: ESAT
Inst : 5988
Multiplr: 4579.80

Method : C:\HPCHEM\1\METHODS\03129A02.M
Title : semivolatiles
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	R.T.
48.46	74077.94 ug/ml	113381	PERYLENE-D12	45.89

Hit# of 20	Tentative ID	Ref#	CAS#	Qual
1	28-Nor-17.alpha.(H)-hopane	53778	053584-60-4	86
2	1H-Indene, 2-butyl-5-hexyloctahydro	36685	055044-33-2	64
3	2-Dodecen-1-yl(-)succinic anhydride	36989	019780-11-1	59
4	Anthracene, 9-cyclohexyltetradecahy	38558	055255-70-4	50
5	Tricyclo[4.3.0.07,9]nonane, 2,2,5,5	24461	054832-82-5	38



ISTD - 121027
Correct area
- 79,073 ug/ml

Library Search Compound Report

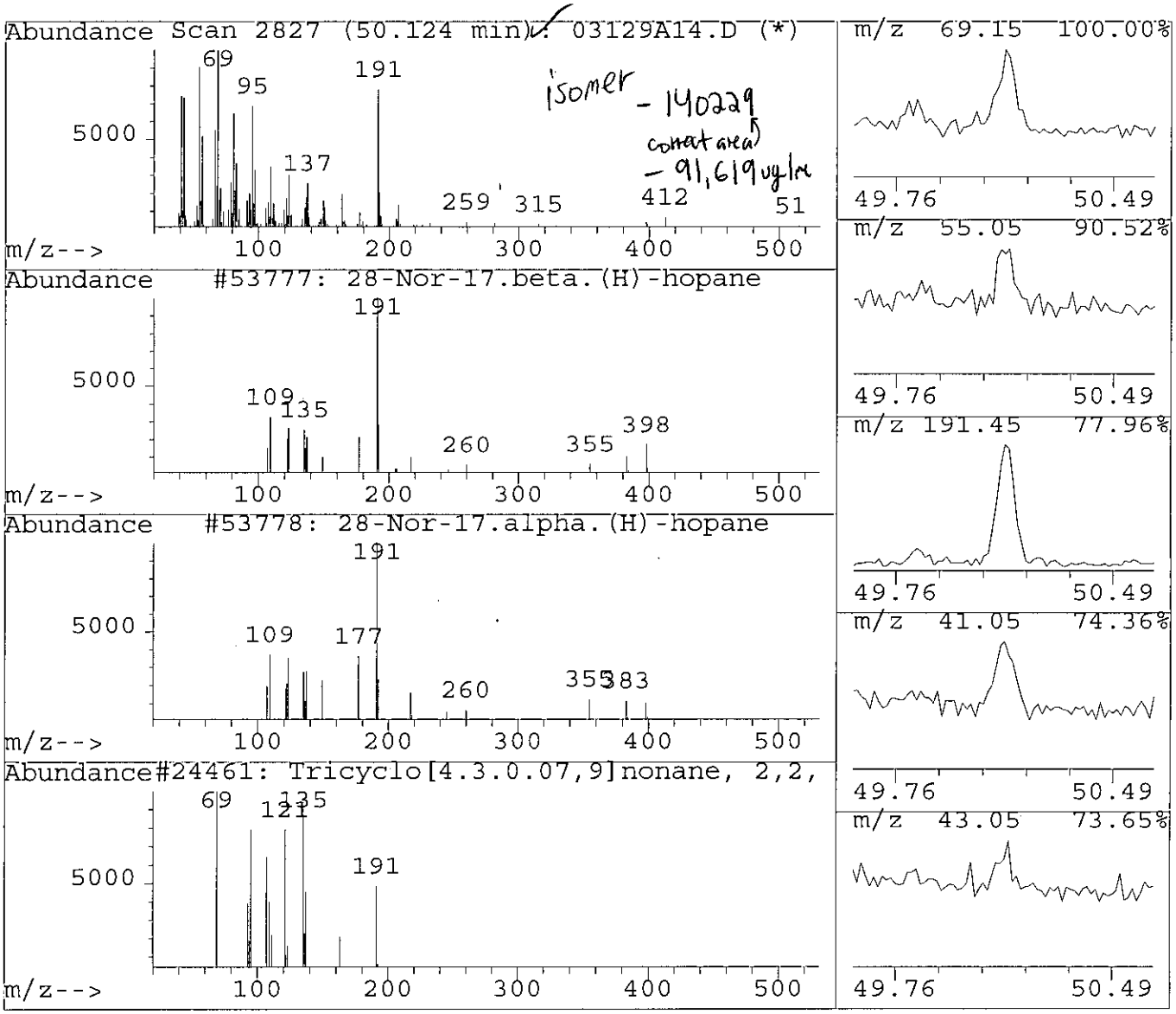
Data File : C:\HPCHEM\1\DATA\03129A14.D
Acq On : 13 Mar 99 1:39 pm
Sample : 67832 (1:10)
Misc : American Glue & Resin P#99187

Vial: 14
Operator: ESAT
Inst : 5988
Multiplr: 4579.80

Method : C:\HPCHEM\1\METHODS\03129A02.M
Title : semivolatiles
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	R.T.
50.12	89591.84 ug/ml	137126	PERYLENE-D12	45.89

Hit# of 20	Tentative ID	Ref#	CAS#	Qual
1	28-Nor-17.beta.(H)-hopane	53777	036728-72-0	87
2	28-Nor-17.alpha.(H)-hopane	53778	053584-60-4	80
3	Tricyclo[4.3.0.07,9]nonane, 2,2,5,5	24461	054832-82-5	50
4	2-Buten-1-one, 1-(2,6,6-trimethyl-3	20801	041436-42-4	42
5	Anthracene, 9-dodecyltetradecahydro	73846	055401-75-7	38



1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

S67830D

Lab EPA REG 1 Contract:

Proj 99187 Site: AMERICAN Location: Group:

Matrix: (soil/wat SOIL Lab Sample ID: S67830D

Sample wt/vol: 5.2 (g/mL) G Lab File ID: 03129A19.D

Level: (low/m MED Date Received: 3/3/99

% 20 decanted: (Y/N): Y Date Extracted: 3/9/99

Concentrated Extract Volume 2000 (uL) Date Analyzed: 3/13/99

Injection Volume 1.0 (uL) Dilution Factor: 100.0

GPC Cleanup: (Y N pH: 0

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
62-53-3	ANILINE	480000	UD
108-95-2	PHENOL	480000	UD
111-44-4	BIS(2-CHLOROETHYL) ETHER	480000	UD
95-57-8	2-CHLOROPHENOL	480000	UD
541-73-1	1,3-DICHLOROBENZENE	480000	UD
106-46-7	1,4-DICHLOROBENZENE	480000	UD
100-51-6	BENZYL ALCOHOL	480000	UD
95-50-1	1,2-DICHLOROBENZENE	480000	UD
95-48-7	2-METHYLPHENOL	480000	UD
108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	480000	UD
106-44-5	4-METHYLPHENOL	480000	UD
621-64-7	N-NITROSODIPROPYLAMINE	480000	UD
67-72-1	HEXACHLOROETHANE	480000	UD
98-95-3	NITROBENZENE	480000	UD
78-59-1	ISOPHORONE	480000	UD
88-75-5	2-NITROPHENOL	480000	UD
105-67-9	2,4-DIMETHYLPHENOL	480000	UD
111-91-1	BIS(2-CHLOROETHOXY)METHANE	480000	UD
65-85-0	BENZOIC ACID	480000	UD
120-83-2	2,4-DICHLOROPHENOL	480000	UD
120-82-1	1,2,4-TRICHLOROBENZENE	480000	UD
91-20-3	NAPHTHALENE	480000	UD
106-47-8	4-CHLOROANILINE	480000	UD
87-68-3	HEXACHLOROBUTADIENE	480000	UD
59-50-7	4-CHLORO-3-METHYLPHENOL	480000	UD
91-57-6	2-METHYLNAPHTHALENE	480000	UD
77-47-4	HEXACHLOROCYCLOPENTADIENE	480000	UD
88-06-2	2,4,6-TRICHLOROPHENOL	480000	UD
95-95-4	2,4,5-TRICHLOROPHENOL	480000	UD
91-58-7	2-CHLORONAPHTHALENE	480000	UD
88-74-4	2-NITROANILINE	480000	UD
131-11-3	DIMETHYLPHTHALATE	480000	UD
208-96-8	ACENAPHTHYLENE	480000	UD

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

S67830D

Lab EPA REG 1 Contract:

Proj 99187 Site: AMERICAN Location: Group:

Matrix: (soil/wat SOIL Lab Sample ID: S67830D

Sample wt/vol: 5.2 (g/mL) G Lab File ID: 03129A19.D

Level: (low/m MED Date Received: 3/3/99

% 20 decanted: (Y/N): Y Date Extracted: 3/9/99

Concentrated Extract Volume 2000 (uL) Date Analyzed: 3/13/99

Injection Volume 1.0 (uL) Dilution Factor: 100.0

GPC Cleanup: (Y N pH: 0

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
606-20-2	2,6-DINITROTOLUENE	480000	UD
99-09-2	3-NITROANILINE	480000	UD
83-32-9	ACENAPHTHENE	480000	UD
51-28-5	2,4-DINITROPHENOL	480000	UD
132-64-9	DIBENZOFURAN	480000	UD
100-02-7	4-NITROPHENOL	480000	UD
121-14-2	2,4-DINITROTOLUENE	480000	UD
84-66-2	DIETHYLPHTHALATE	480000	UD
86-73-7	FLUORENE	480000	UD
7005-72-3	4-CHLOROPHENYL-PHENYLETHER	480000	UD
100-01-6	4-NITROANILINE	480000	UD
534-52-1	4,6-DINITRO-2-METHYLPHENOL	480000	UD
86-30-6	N-NITROSODIPHENYLAMINE	480000	UD
103-33-3	DIPHENYLHYDRAZINE(AZOBENZENE)	480000	UD
101-55-3	4-BROMOPHENYL-PHENYLETHER	480000	UD
319-84-6	BHC ISOMER (ALPHA)	480000	UD
118-74-1	HEXACHLOROBENZENE	480000	UD
319-85-7	BHC ISOMER (BETA)	480000	UD
87-86-5	PENTACHLOROPHENOL	480000	UD
58-89-9	LINDANE-BHC ISOMER (GAMA)	480000	UD
85-01-8	PHENANTHRENE	480000	UD
120-12-7	ANTHRACENE	480000	UD
319-86-8	BHC ISOMER (DELTA)	480000	UD
86-74-8	CARBAZOLE	480000	UD
76-44-8	HEPTACHLOR	480000	UD
84-74-2	DIBUTYLPHTHALATE	480000	UD
309-00-2	ALDRIN	480000	UD
1024-57-3	HEPTACHLOR EPOXIDE	480000	UD
206-44-0	FLUORANTHENE	480000	UD
129-00-0	PYRENE	480000	UD
959-98-8	ENDOSULFAN I	480000	UD
72-55-9	P,P-DDE	480000	UD
60-57-1	DIELDRIN	480000	UD

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

S67830D

Lab EPA REG 1 Contract:

Proj 99187 Site: AMERICAN Location: Group:

Matrix: (soil/wat SOIL Lab Sample ID: S67830D

Sample wt/vol: 5.2 (g/mL) G Lab File ID: 03129A19.D

Level: (low/m MED Date Received: 3/3/99

% 20 decanted: (Y/N): Y Date Extracted: 3/9/99

Concentrated Extract Volume 2000 (uL) Date Analyzed: 3/13/99

Injection Volume 1.0 (uL) Dilution Factor: 100.0

GPC Cleanup: (Y N pH: 0

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
72-20-8	ENDRIN	480000	UD
33213-65-9	ENDOSULFAN II	480000	UD
72-54-8	P,P-DDD	480000	UD
85-68-7	BUTYLBENZYLPHTHALATE	4E+06	D
50-29-3	P,P-DDT	480000	UD
1031-07-8	ENDOSULFAN SULFATE	480000	UD
72-43-5	METHOXYCHLOR	480000	UD
53494-70-5	ENDRIN KETONE	480000	UD
91-94-1	3,3-DICHCHLOROBENZIDINE	480000	UD
56-55-3	BENZ(A)ANTHRACENE	480000	UD
218-01-9	CHRYSENE	480000	UD
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	480000	UD
117-84-0	DI-N-OCTYLPHTHALATE	480000	UD
205-99-2	BENZO(B)FLUORANTHENE	480000	UD
207-08-9	BENZO(K)FLUORANTHENE	480000	UD
50-32-8	BENZO(A)PYRENE	480000	UD
193-39-5	INDENO(1,2,3-CD)PYRENE	480000	UD
53-70-3	DIBENZO(A,H)ANTHRACENE	480000	UD
191-24-2	BENZO(GHI)PERYLENE	480000	UD

Quantitation Report

Data File : C:\HPCHEM\1\DATA\03129A19.D Vial: 19
Acq On : 13 Mar 99 7:18 pm Operator: ESAT
Sample : 67830 1:100 Inst : 5988
Misc : American Glue & Resin P#99187 Multiplr: 48309.18
Quant Time: Mar 14 11:50 1999

Method : C:\HPCHEM\1\METHODS\03129A02.M
Title : semivolatiles
Last Update : Sat Mar 13 11:22:04 1999
Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DICHLOROBENZENE-D4	16.27	150	48908	40.00	ug/ml	-0.02
19) NAPHTHALENE-D8	20.42	136	121378	40.00	ug/ml	-0.02
34) ACENAPHTHENE-D10	26.38	164	60611	40.00	ug/ml	0.00
54) PHENANTHRENE-D10	31.47	188	116337	40.00	ug/ml	-0.02
74) CHRYSENE-D12	40.48	240	115622	40.00	ug/ml	-0.03
92) PERYLENE-D12	45.86	264	95854	40.00	ug/ml	-0.01
System Monitoring Compounds						%Recovery
2) FLUOROPHENOL	0.00	112	0	0.00	ug/ml	0.00%
4) PHENOL-D5	0.00	99	0	0.00	ug/ml	0.00%
5) 2-CHLOROPHENOL-D4	0.00	132	0	0.00	ug/ml	0.00%
12) 1,2-DICHLOROBENZENE-D4	0.00	150	0	0.00	ug/ml	0.00%
20) NITROBENZENE-D5	0.00	82	0	0.00	ug/ml	0.00%
38) FLUOROBIPHENYL	0.00	172	0	0.00	ug/ml	0.00%
58) 2,4,6-TRIBROMOPHENOL	0.00	330	0	0.00	ug/ml	0.00%
78) P-TERPHENYL-D14	36.96	244	1583	0.55	ug/ml	0.55%
Target Compounds						Qvalue
83) BUTYLBENZYLPHTHALATE	38.66	149	157490	3883647.16	ug/ml	9

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

Quantitation Report

Data File : c:\hpchem\1\data\03129a19.d
Acq On : 13 Mar 99 7:18 pm
Sample : 67830 1:100
Misc : American Glue & Resin P#99187
Quant Time: Mar 14 9:25 1999

Vial: 19
Operator: ESAT
Inst : 5988
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\03129A02.M
Title : semivolatiles
Last Update : Sat Mar 13 11:22:04 1999
Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DICHLOROBENZENE-D4	16.27	150	48908	40.00	ug/ml	-0.02
19) NAPHTHALENE-D8	20.42	136	121378	40.00	ug/ml	-0.02
34) ACENAPHTHENE-D10	26.38	164	60611	40.00	ug/ml	0.00
54) PHENANTHRENE-D10	31.47	188	116337	40.00	ug/ml	-0.02
74) CHRYSENE-D12	40.48	240	115622	40.00	ug/ml	-0.03
92) PERYLENE-D12	45.86	264	95854	40.00	ug/ml	-0.01
System Monitoring Compounds						%Recovery
2) FLUOROPHENOL	0.00	112	0	0.00	ug/ml	0.00%
4) PHENOL-D5	0.00	99	0	0.00	ug/ml	0.00%
5) 2-CHLOROPHENOL-D4	0.00	132	0	0.00	ug/ml	0.00%
12) 1,2-DICHLOROBENZENE-D4	0.00	150	0	0.00	ug/ml	0.00%
20) NITROBENZENE-D5	0.00	82	0	0.00	ug/ml	0.00%
38) FLUOROBIPHENYL	0.00	172	0	0.00	ug/ml	0.00%
58) 2,4,6-TRIBROMOPHENOL	0.00	330	0	0.00	ug/ml	0.00%
78) P-TERPHENYL-D14	36.96	244	1583	0.55	ug/ml	0.55%
Target Compounds						Qvalue
70) DIBUTYLPHTHALATE	33.54	149	2906	~~0.66 ug/ml#~~		94
83) BUTYLBENZYLPHTHALATE	38.66	149	157490	80.39	ug/ml	98

Diluted out

wet wt = 5.156
Dry wt = 4.140
% moist = 19.7
2ml FV
1:100 Dil
mw/t = 48309.17874

Tics reported from 1:10 Dil.

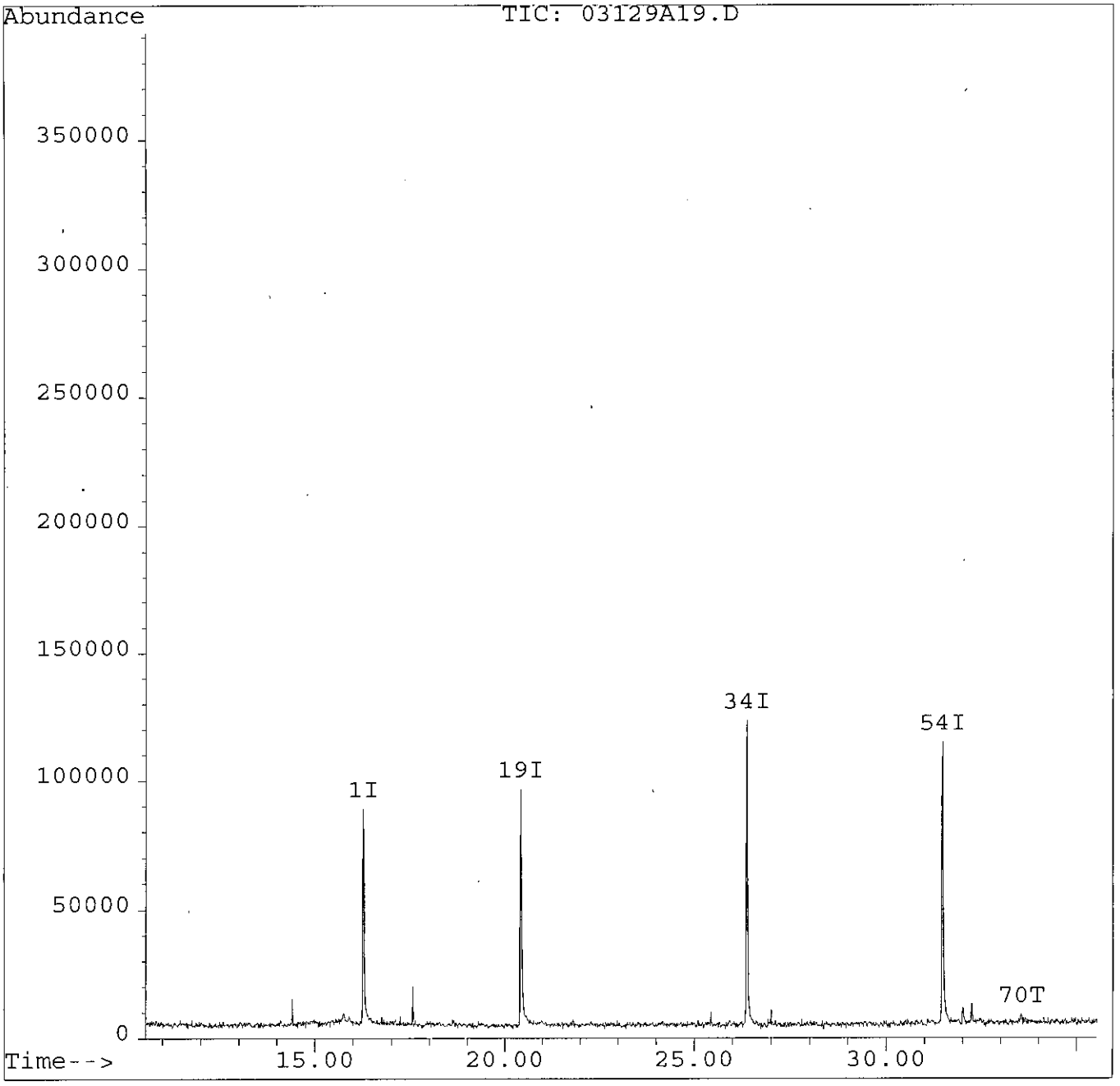
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : c:\hpchem\1\data\03129a19.d
Acq On : 13 Mar 99 7:18 pm
Sample : 67830 1:100
Misc : American Glue & Resin P#99187
Quant Time: Mar 14 9:25 1999

Vial: 19
Operator: ESAT
Inst : 5988
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\03129A02.M
Title : semivolatiles
Last Update : Sat Mar 13 11:22:04 1999
Response via : Single Level Calibration

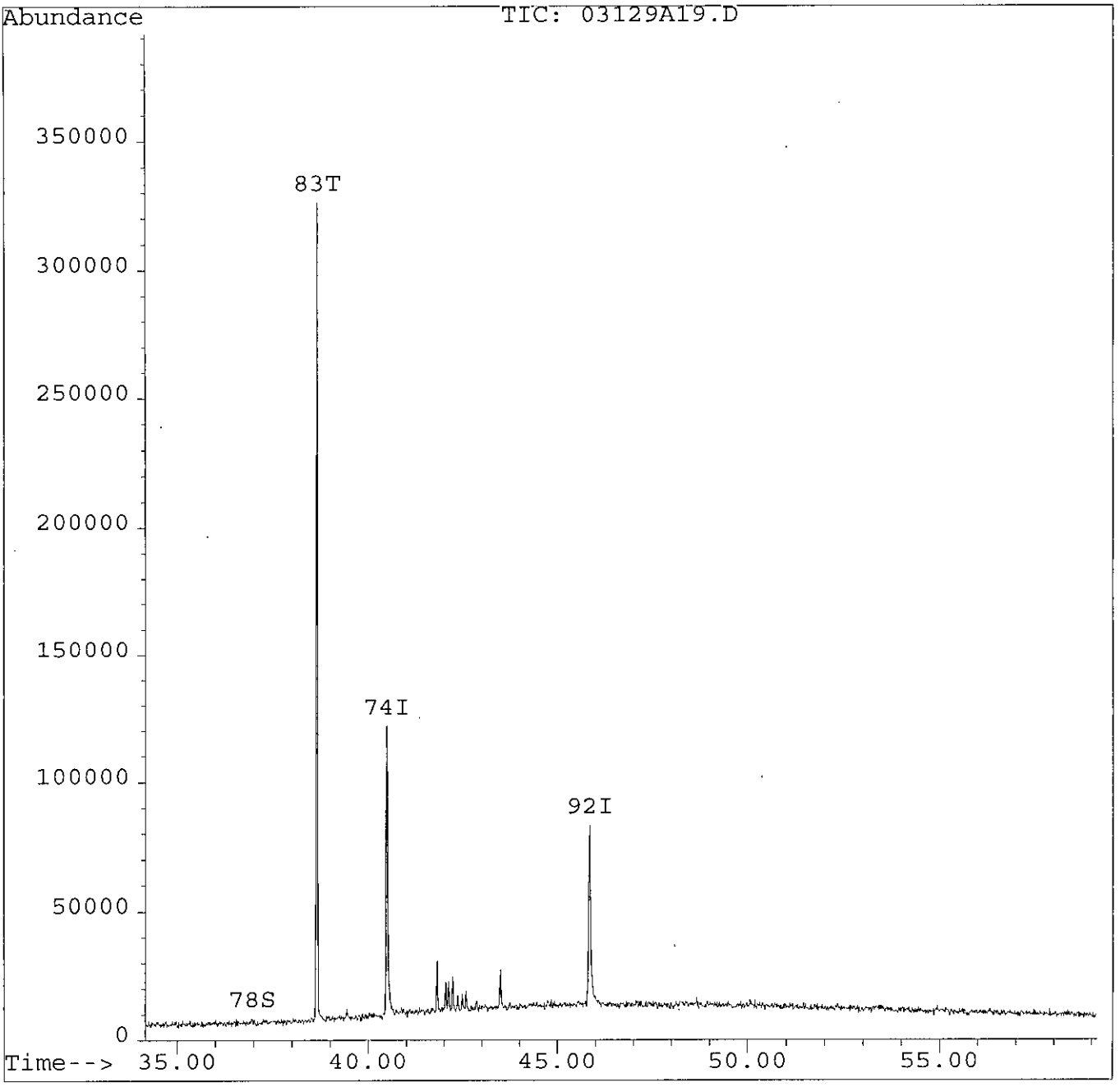


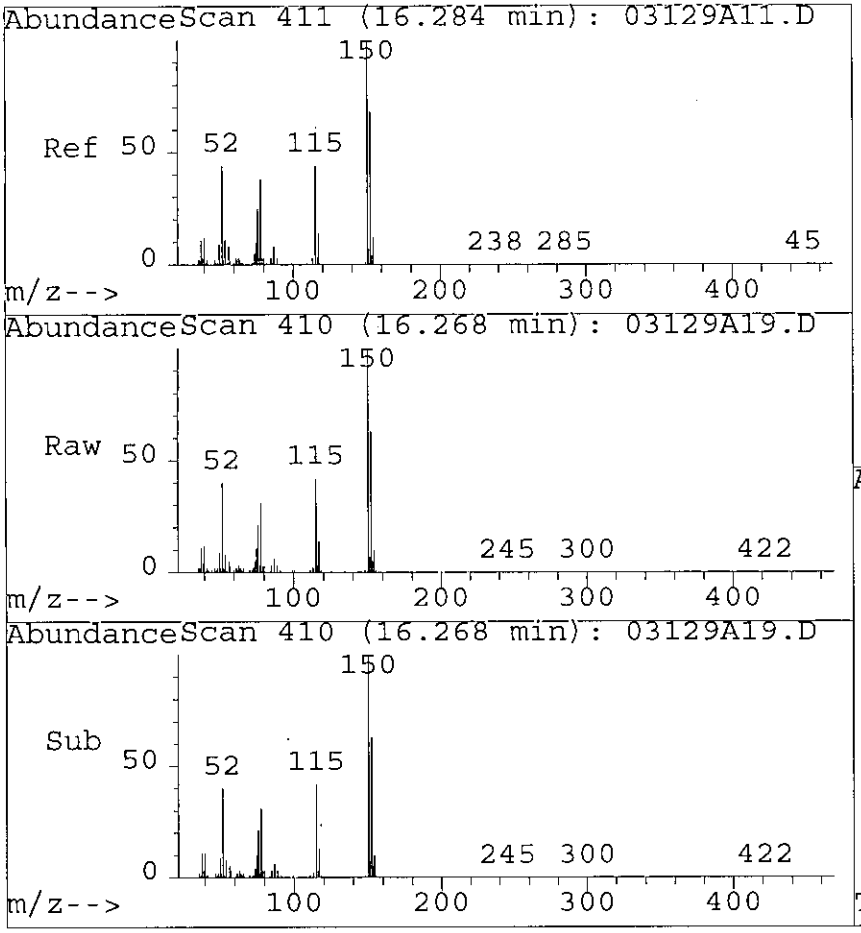
Quantitation Report

Data File : c:\hpchem\1\data\03129a19.d
Acq On : 13 Mar 99 7:18 pm
Sample : 67830 1:100
Misc : American Glue & Resin P#99187
Quant Time: Mar 14 9:25 1999

Vial: 19
Operator: ESAT
Inst : 5988
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\03129A02.M
Title : semivolatiles
Last Update : Sat Mar 13 11:22:04 1999
Response via : Single Level Calibration

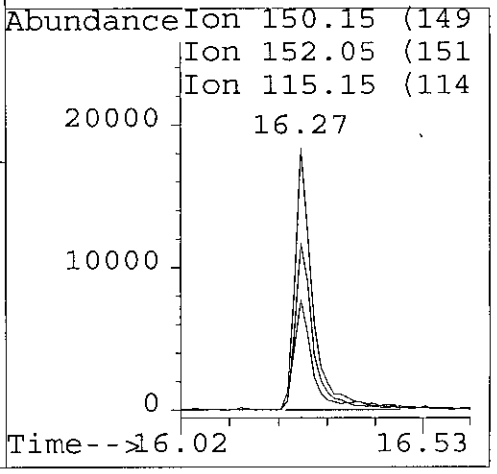


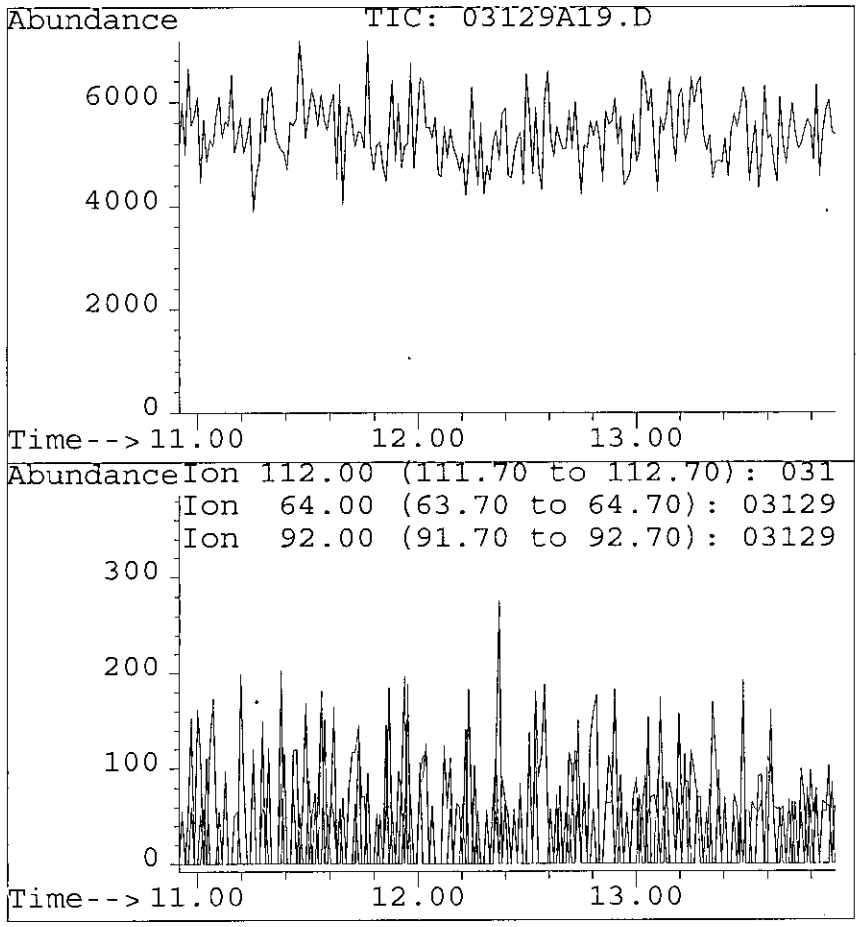


#1
1,4-DICHLOROBENZENE-D4
Concen: 40.00 ug/ml
RT: 16.27 min Scan# 410
Delta R.T. -0.02 min
Lab File: 03129a19.d
Acq: 13 Mar 99 7:18 pm

Tgt Ion:150.15 Resp: 48908

Ion	Ratio	Lower	Upper
150	100		
152	63.4	51.1	76.6
115	42.1	34.7	52.0
0	0.0	0.0	0.0



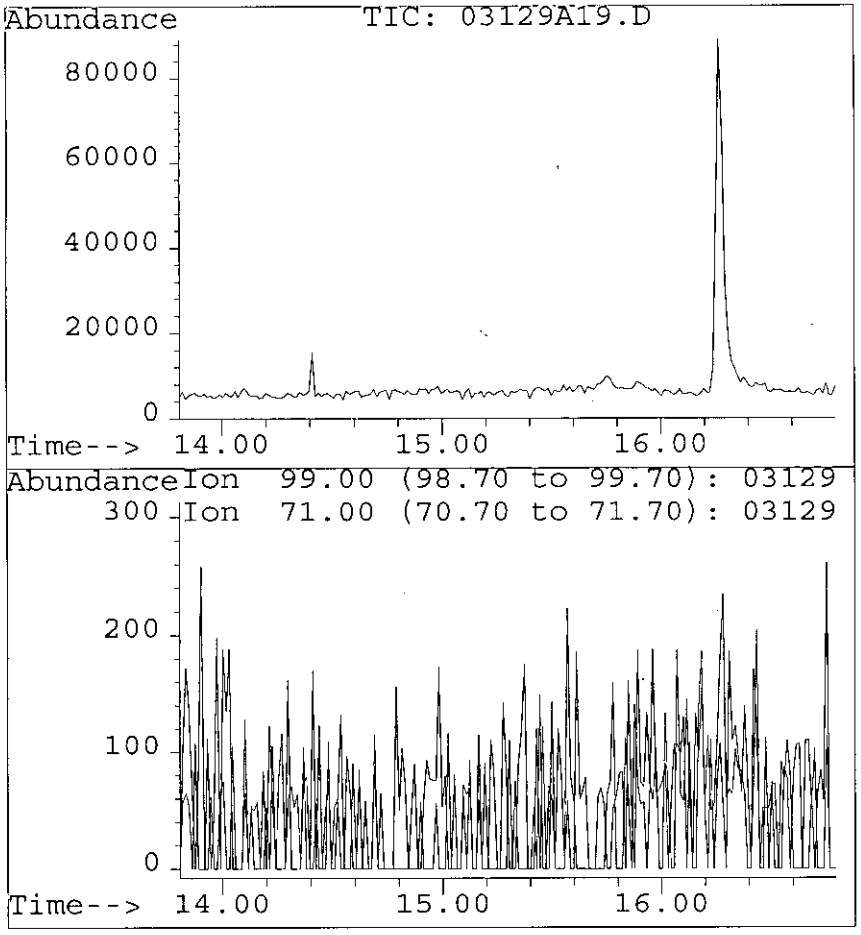


#2
FLUOROPHENOL
Concen: 0.00 ug/ml
Expected RT: 12.41 min

Lab File: 03129a19.d
Acq: 13 Mar 99 7:18 pm

Tgt Ion: 112

Ion	Exp Ratio
112	100
64	69.2
92	30.8
0	0.0

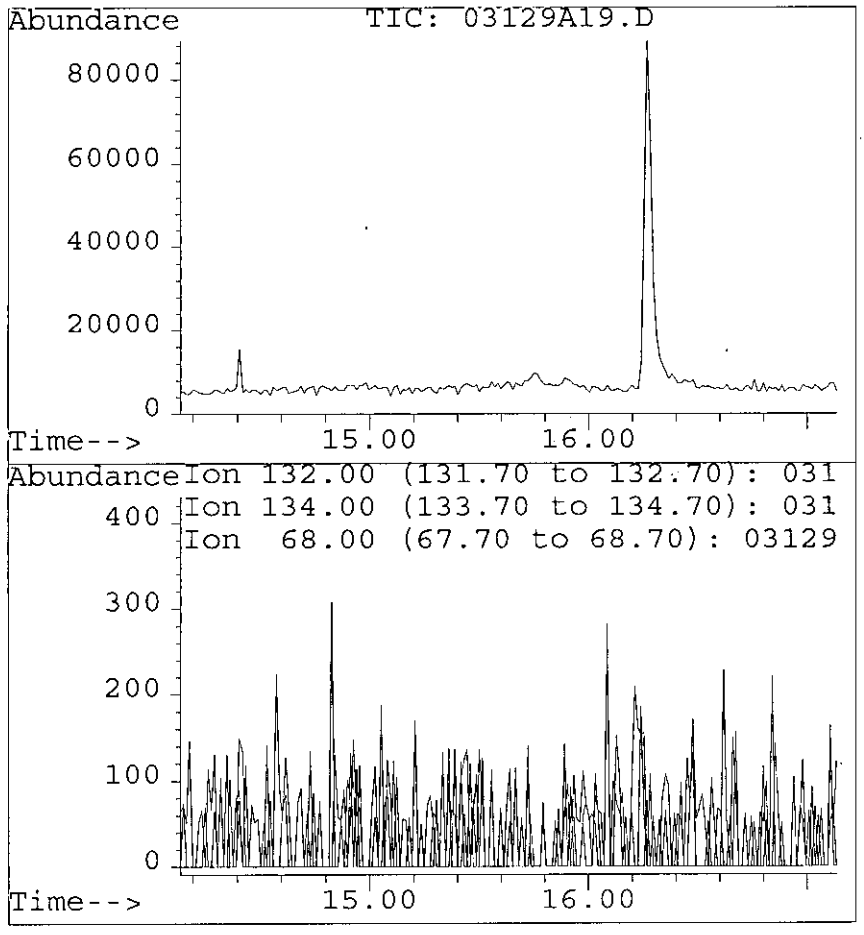


#4
PHENOL-D5
Concen: 0.00 ug/ml
Expected RT: 15.30 min

Lab File: 03129a19.d
Acq: 13 Mar 99 7:18 pm

Tgt Ion: 99

Ion	Exp Ratio
99	100
71	34.5
0	0.0
0	0.0

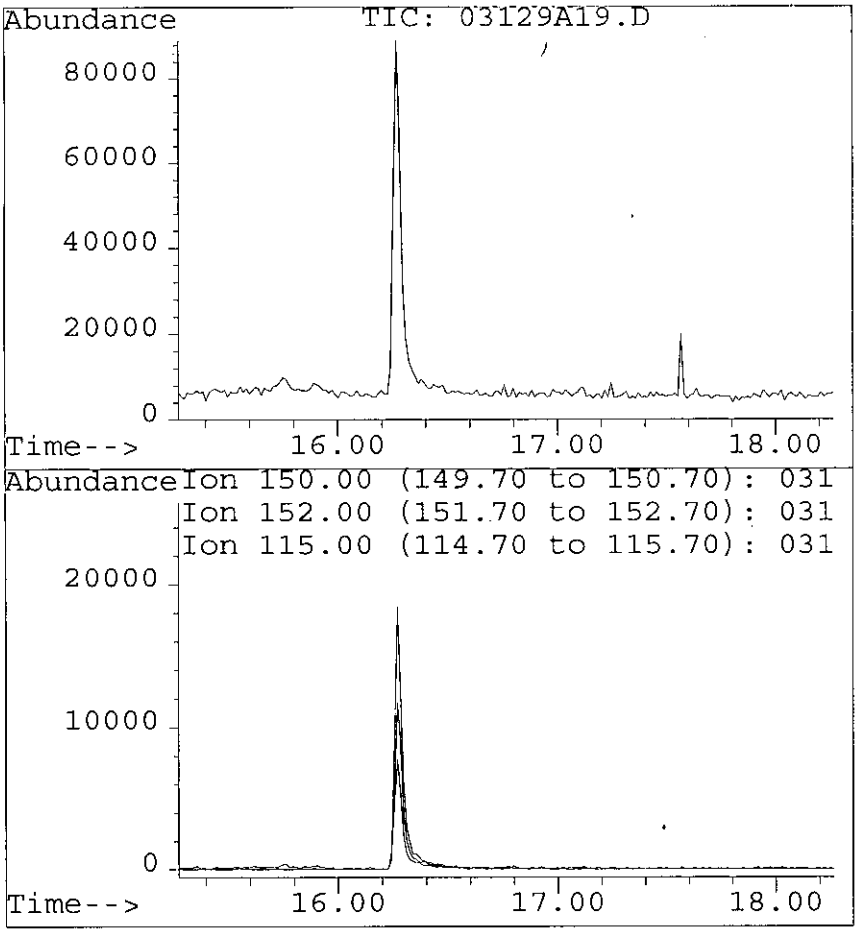


#5
2-CHLOROPHENOL-D4
Concen: 0.00 ug/ml
Expected RT: 15.64 min

Lab File: 03129a19.d
Acq: 13 Mar 99 7:18 pm

Tgt Ion: 132

Ion	Exp Ratio
132	100
134	29.9
68	49.9
0	0.0

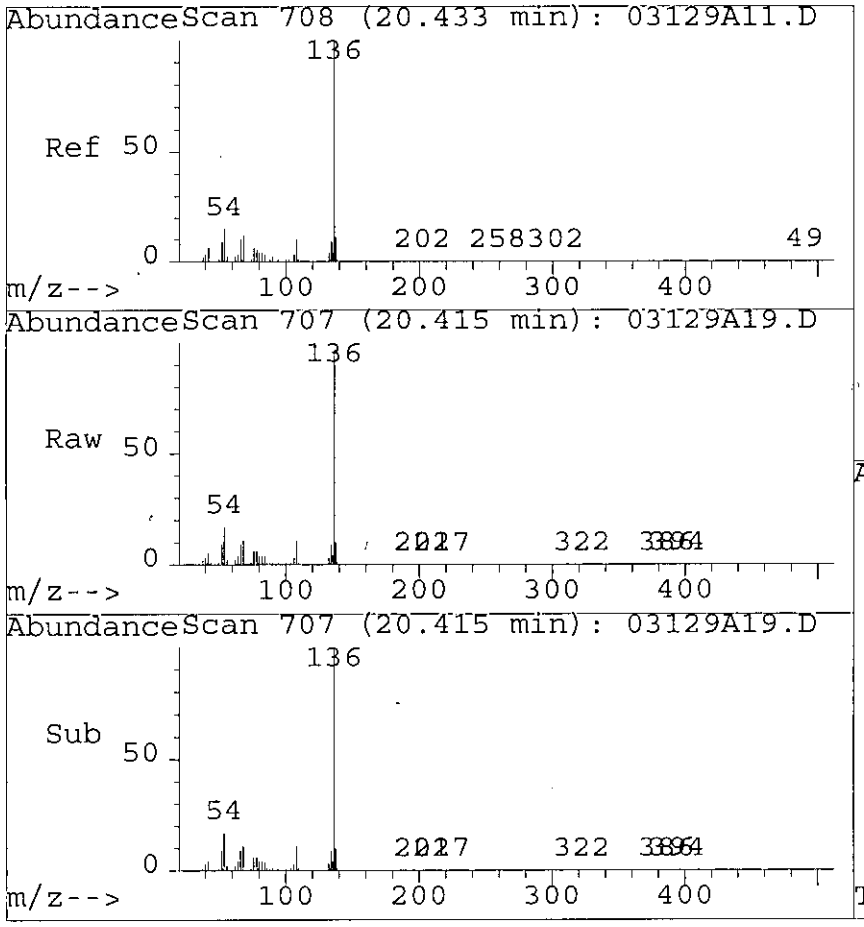


#12
1,2-DICHLOROBENZENE-D4
Concen: 0.00 ug/ml
Expected RT: 16.77 min

Lab File: 03129a19.d
Acq: 13 Mar 99 7:18 pm

Tgt Ion: 150

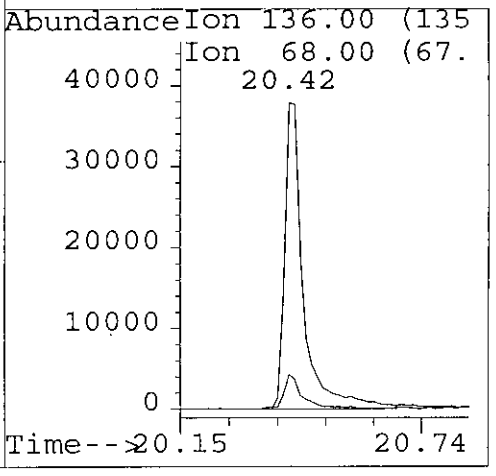
Ion	Exp Ratio
150	100
152	65.2
115	47.2
0	0.0

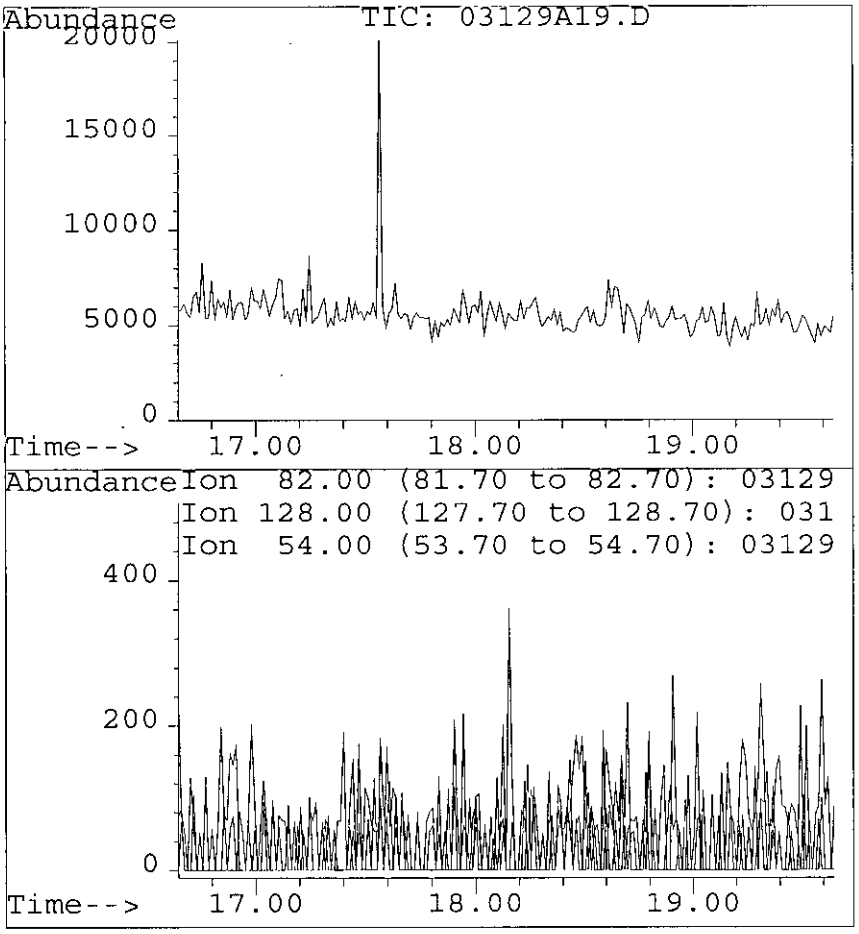


#19
NAPHTHALENE-D8
Concen: 40.00 ug/ml
RT: 20.42 min Scan# 707
Delta R.T. -0.02 min
Lab File: 03129a19.d
Acq: 13 Mar 99 7:18 pm

Tgt Ion:136 Resp: 121378

Ion	Ratio	Lower	Upper
136	100		
68	11.2	6.0	8.9#
0	0.0	0.0	0.0
0	0.0	0.0	0.0



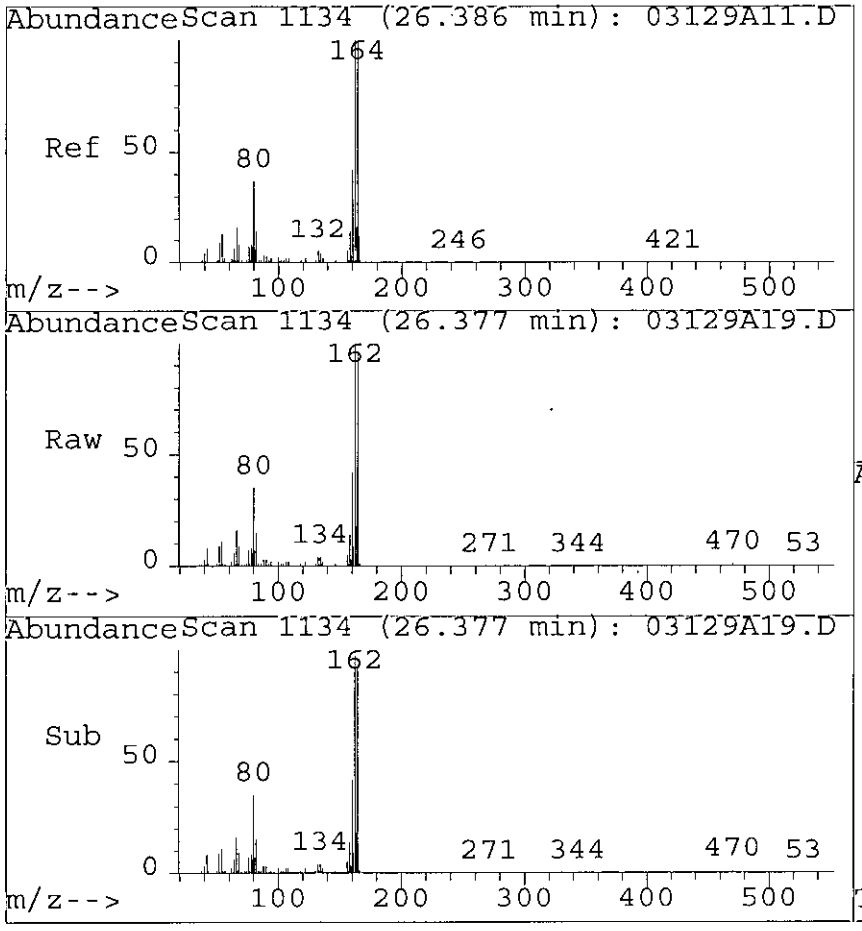


#20
NITROBENZENE-D5
Concen: 0.00 ug/ml
Expected RT: 18.14 min

Lab File: 03129a19.d
Acq: 13 Mar 99 7:18 pm

Tgt Ion: 82

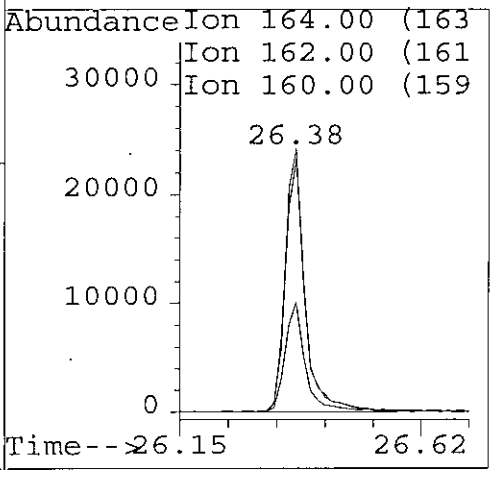
Ion	Exp Ratio
82	100
128	42.9
54	53.6
0	0.0

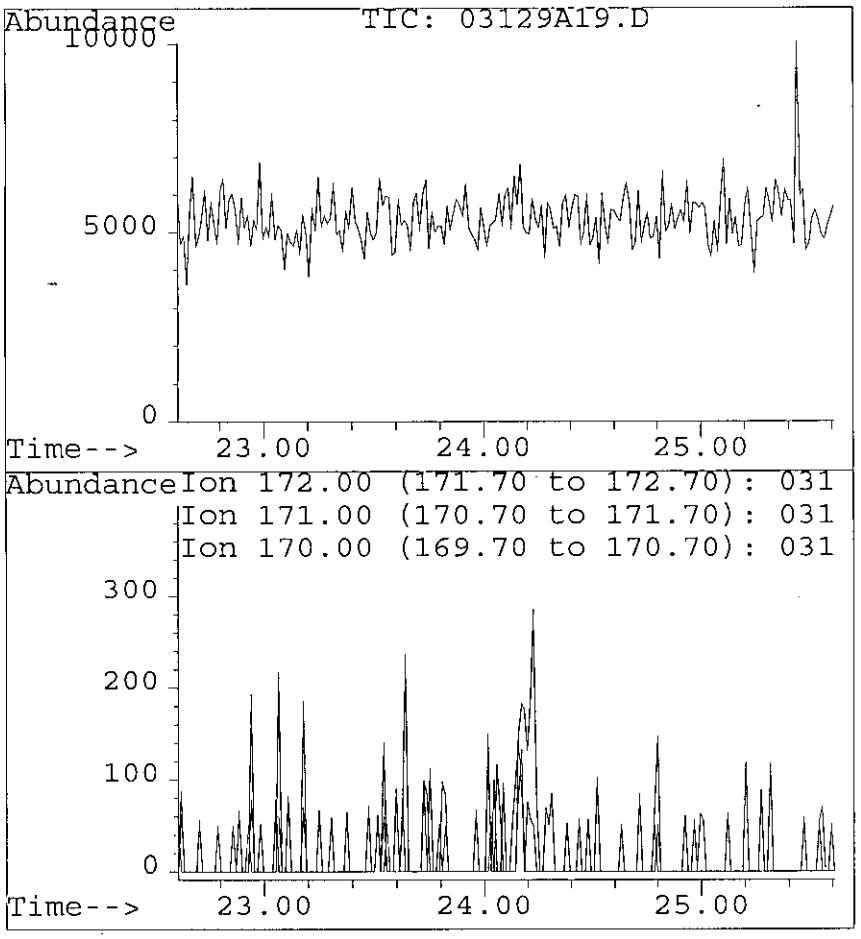


#34
ACENAPHTHENE-D10
Concen: 40.00 ug/ml
RT: 26.38 min Scan# 1134
Delta R.T. -0.01 min
Lab File: 03129a19.d
Acq: 13 Mar 99 7:18 pm

Tgt Ion:164 Resp: 60611

Ion	Ratio	Lower	Upper
164	100		
162	104.0	82.3	123.4
160	43.3	33.6	50.3
0	0.0	0.0	0.0



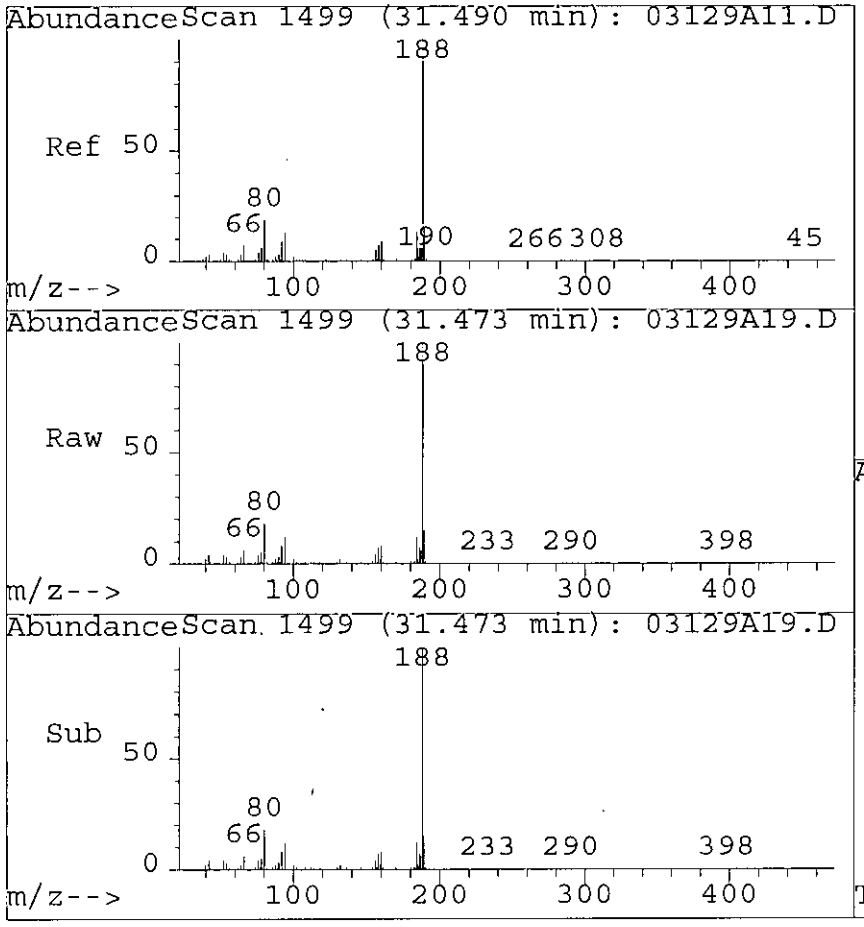


#38
FLUOROBIPHENYL
Concen: 0.00 ug/ml
Expected RT: 24.11 min

Lab File: 03129a19.d
Acq: 13 Mar 99 7:18 pm

Tgt Ion: 172

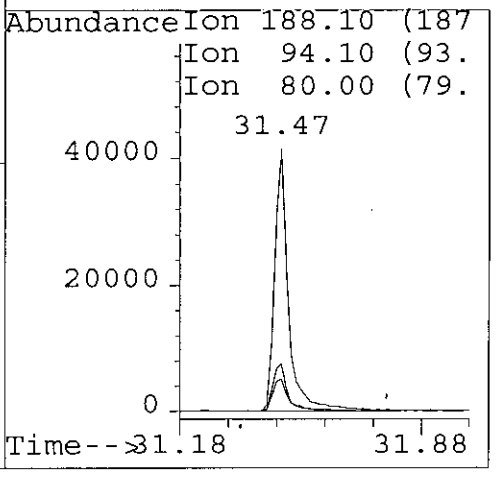
Ion	Exp Ratio
172	100
171	38.1
170	22.9
0	0.0

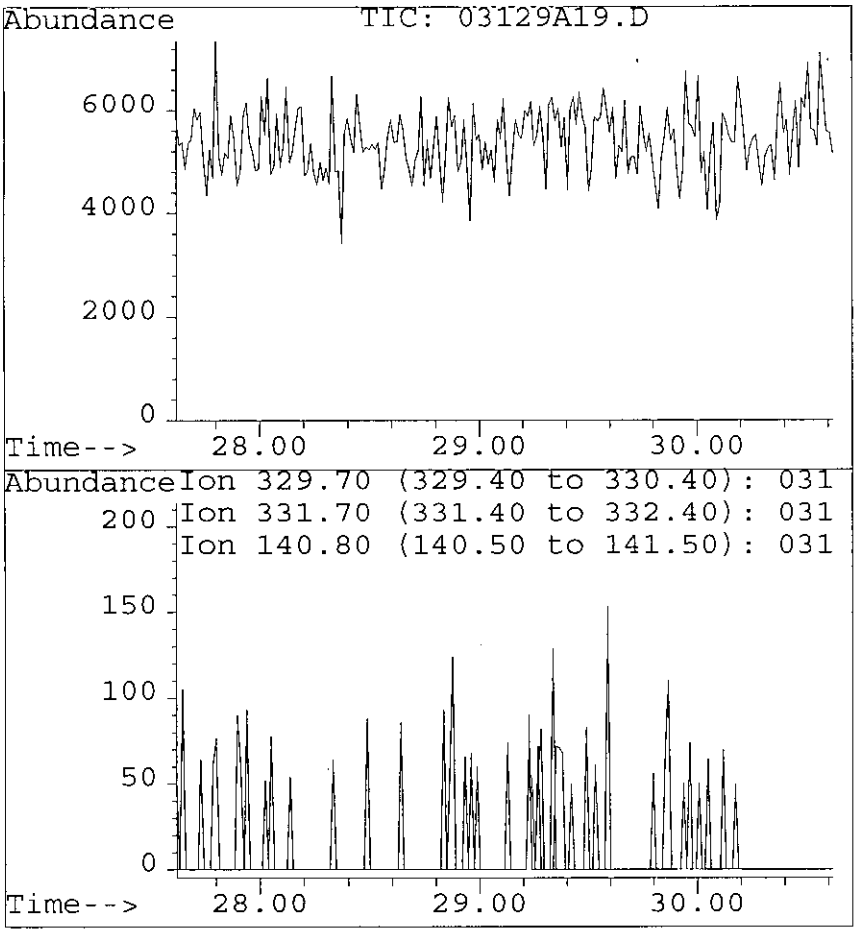


#54
PHENANTHRENE-D10
Concen: 40.00 ug/ml
RT: 31.47 min Scan# 1499
Delta R.T. -0.02 min
Lab File: 03129a19.d
Acq: 13 Mar 99 7:18 pm

Tgt Ion:188.1 Resp: 116337

Ion	Ratio	Lower	Upper
188	100		
94	12.4	11.6	17.3
80	18.4	13.7	20.5
0	0.0	0.0	0.0



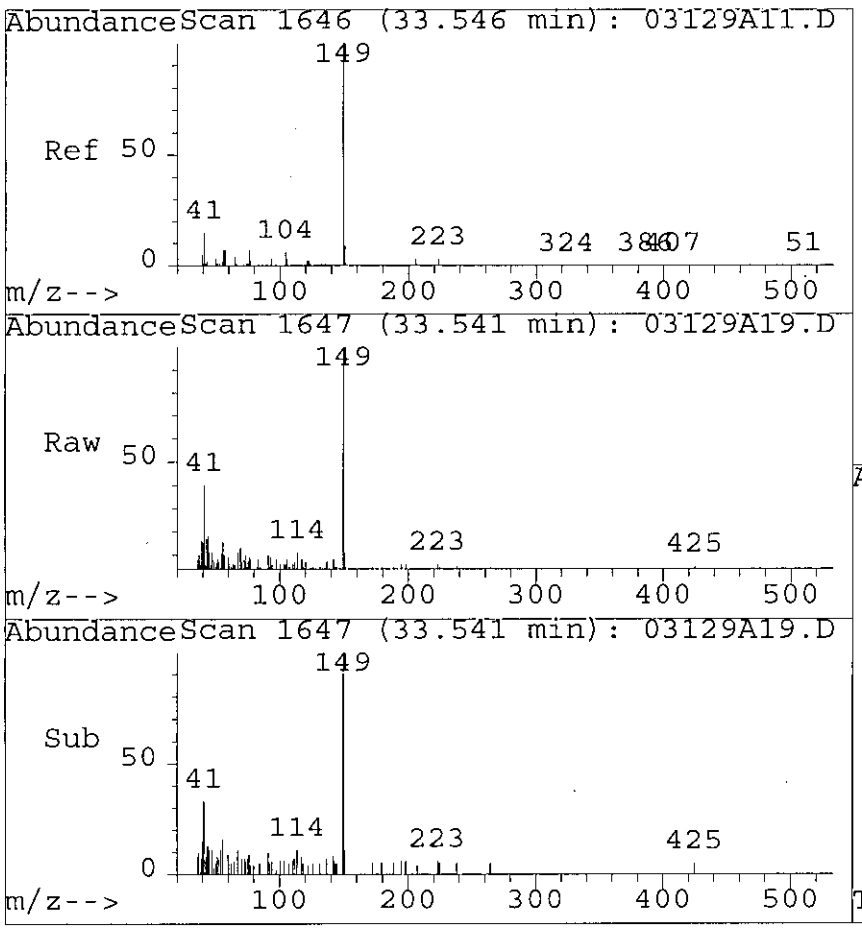


#58
2,4,6-TRIBROMOPHENOL
Concen: 0.00 ug/ml
Expected RT: 29.13 min

Lab File: 03129a19.d
Acq: 13 Mar 99 7:18 pm

Tgt Ion: 329.7

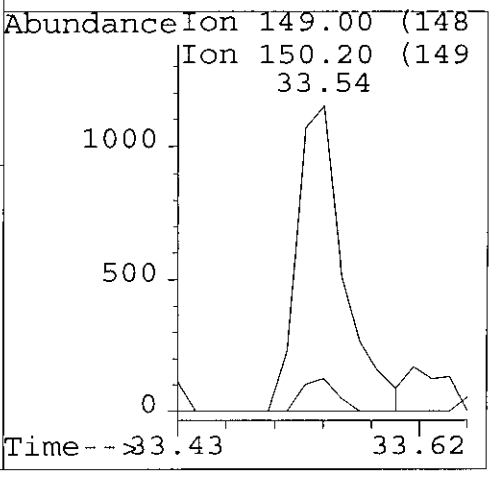
Ion	Exp Ratio
330	100
332	87.0
141	38.6
0	0.0

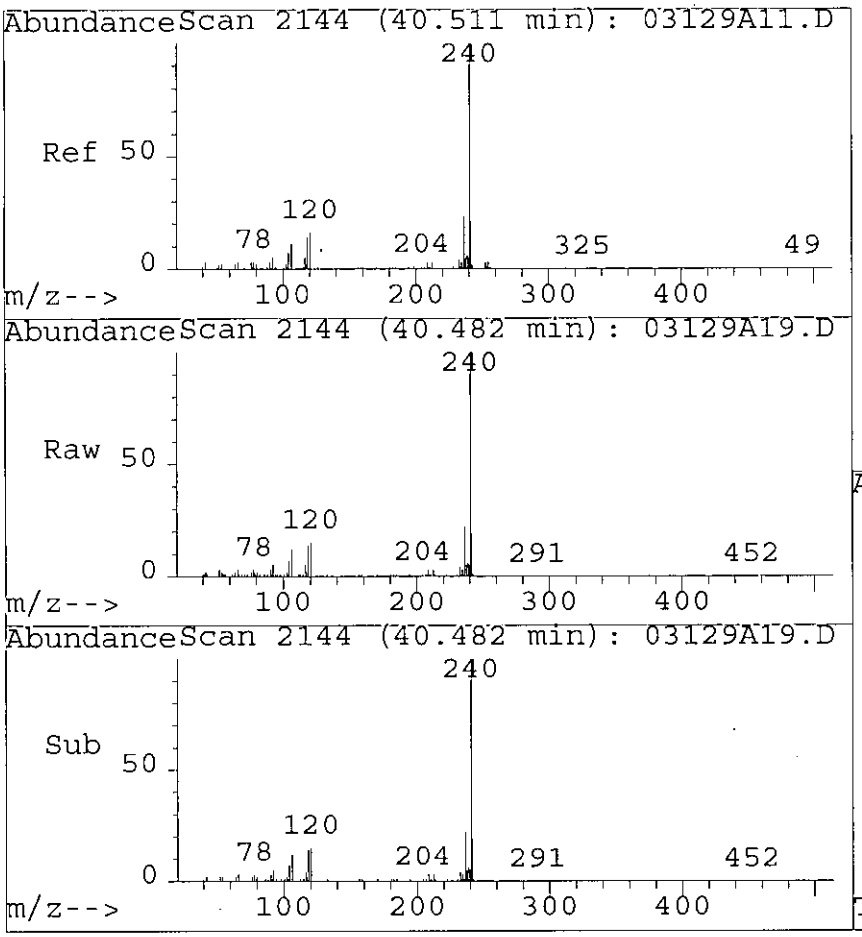


#70
DIBUTYLPHTHALATE
Concen: 0.66 ug/ml
RT: 33.54 min Scan# 1647
Delta R.T. -0.00 min
Lab File: 03129a19.d
Acq: 13 Mar 99 7:18 pm

Tgt Ion:149 Resp: 2906

Ion	Ratio	Lower	Upper
149	100		
150	10.9	7.1	10.6#
0	0.0	0.0	0.0
0	0.0	0.0	0.0

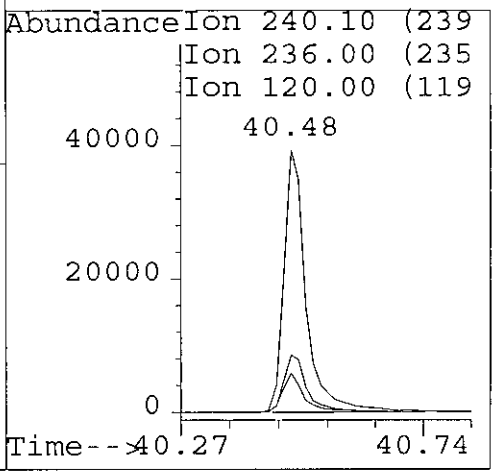


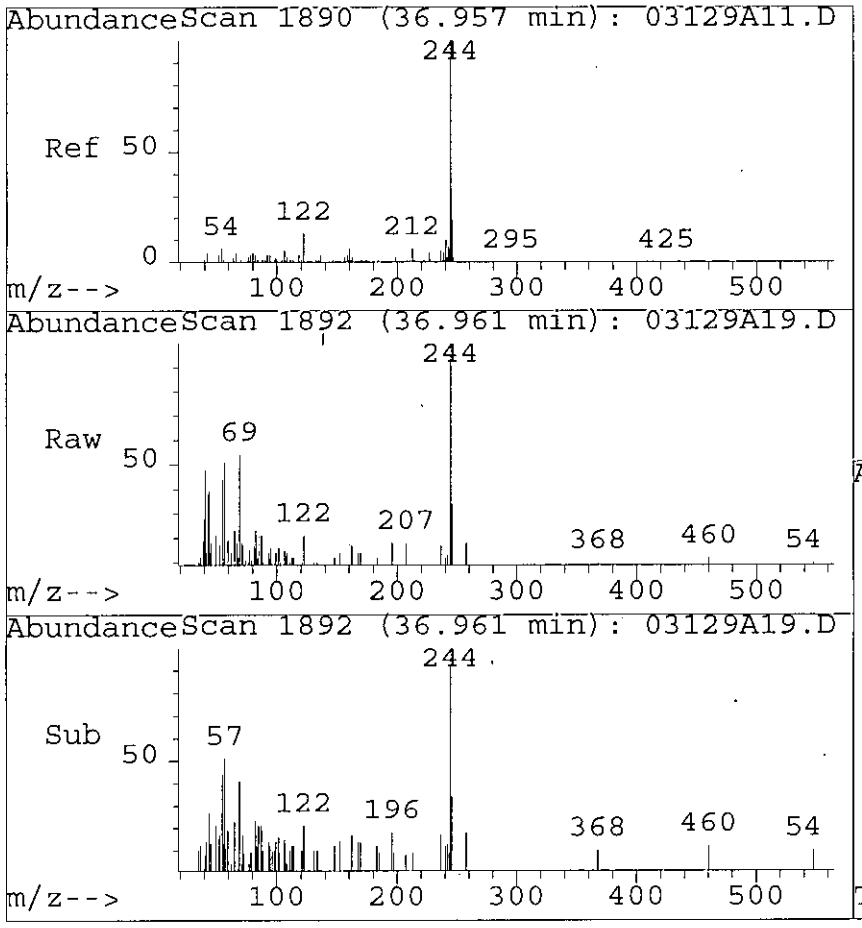


#74
CHRYSENE-D12
Concen: 40.00 ug/ml
RT: 40.48 min Scan# 2144
Delta R.T. -0.03 min
Lab File: 03129a19.d
Acq: 13 Mar 99 7:18 pm

Tgt Ion:240.1 Resp: 115622

Ion	Ratio	Lower	Upper
240	100		
236	21.8	20.6	30.9
120	14.9	17.5	26.2#
0	0.0	0.0	0.0

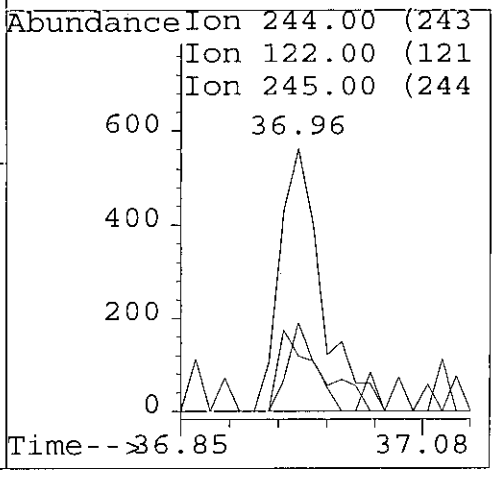


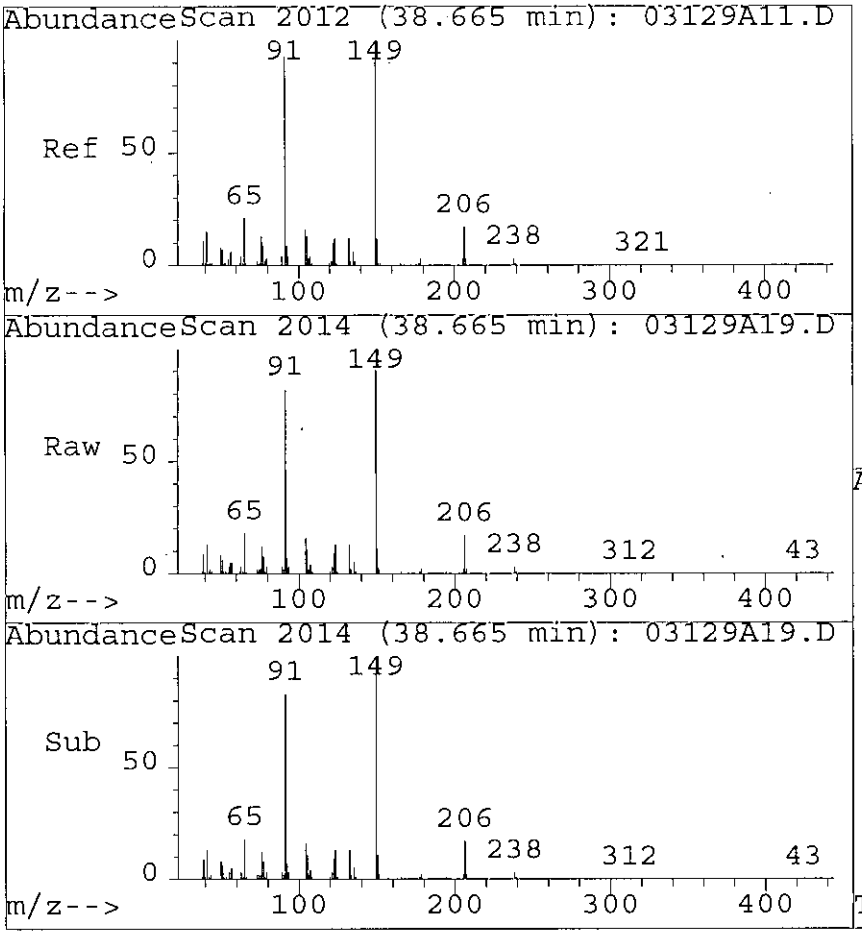


#78
P-TERPHENYL-D14
Concen: 0.55 ug/ml
RT: 36.96 min Scan# 1892
Delta R.T. 0.00 min
Lab File: 03129a19.d
Acq: 13 Mar 99 7:18 pm

Tgt Ion:244 Resp: 1583

Ion	Ratio	Lower	Upper
244	100		
122	21.4	15.3	23.0
245	34.0	15.6	23.3#
0	0.0	0.0	0.0

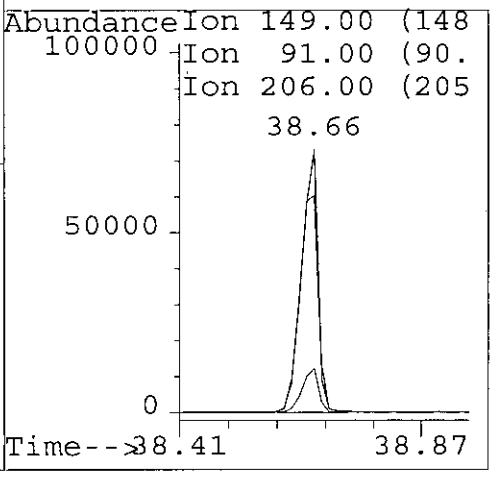


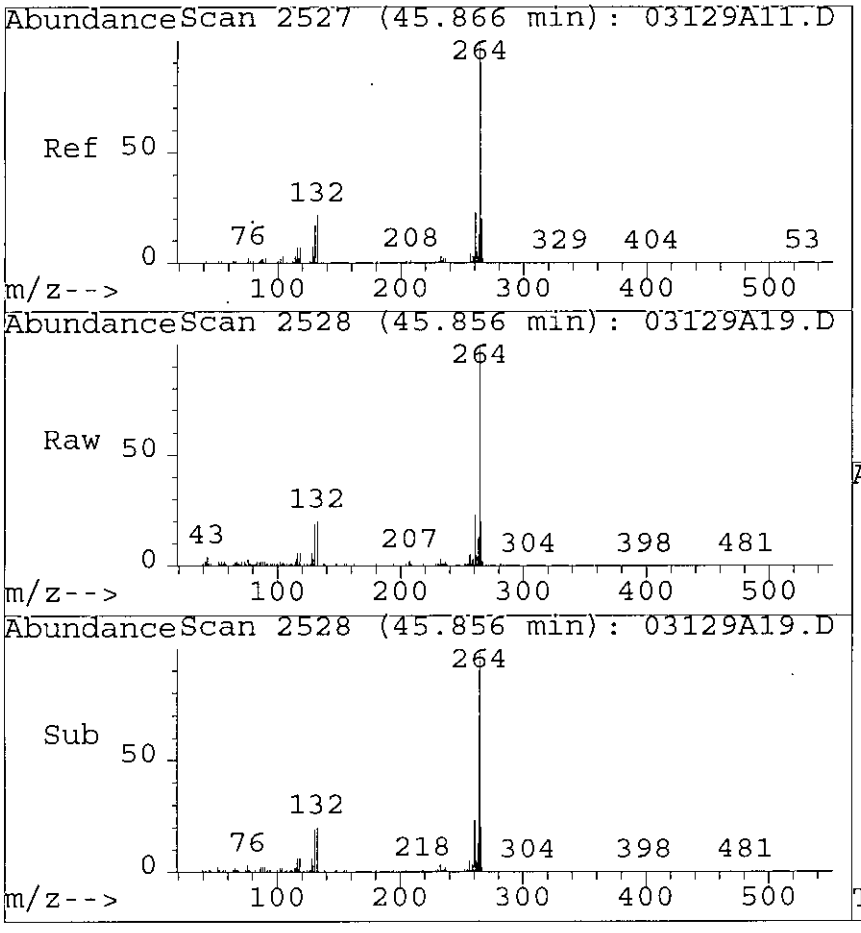


#83
BUTYLBENZYLPHTHALATE
Concen: 80.39 ug/ml
RT: 38.66 min Scan# 2014
Delta R.T. 0.00 min
Lab File: 03129a19.d
Acq: 13 Mar 99 7:18 pm

Tgt Ion:149 Resp: 157490

Ion	Ratio	Lower	Upper
149	100		
91	82.4	65.3	97.8
206	16.8	11.5	17.2
0	0.0	0.0	0.0

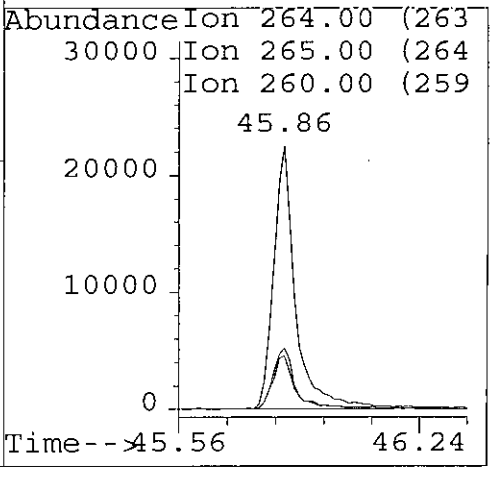




#92
PERYLENE-D12
Concen: 40.00 ug/ml
RT: 45.86 min Scan# 2528
Delta R.T. -0.01 min
Lab File: 03129a19.d
Acq: 13 Mar 99 7:18 pm

Tgt Ion:264 Resp: 95854

Ion	Ratio	Lower	Upper
264	100		
265	20.5	17.1	25.6
260	23.3	19.3	28.9
0	0.0	0.0	0.0

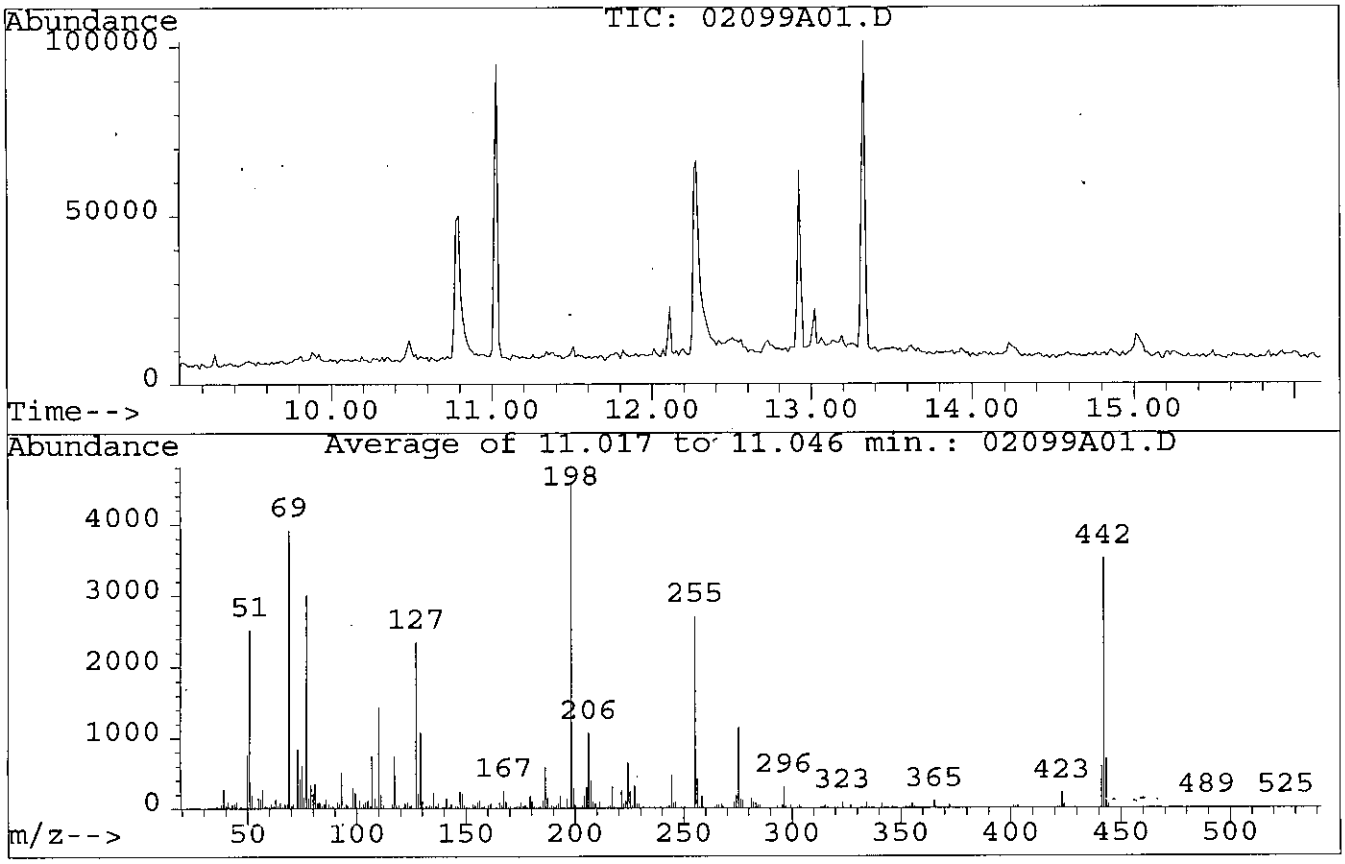


DFTPP

Data File : C:\HPCHEM\1\DATA\02099A01.D
Acq On : 9 Feb 99 10:05 am
Sample : 50 DFTPP
Misc : OLM QB1 FY99 P #99118

Vial: 1
Operator: ESAT
Inst : 5988
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\02099A02.M
Title : semivolatiles



Peak Apex is scan: AVERAGE

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	80	55.0	2524	PASS
68	69	0	2	1.5	60	PASS
69	198	0	100	85.5	3920	PASS
70	69	0	2	1.0	40	PASS
127	198	25	75	51.2	2347	PASS
197	198	0	1	0.5	25	PASS
198	198	100	100	100.0	4585	PASS
199	198	5	9	6.2	283	PASS
275	198	10	30	25.0	1147	PASS
365	198	1	100	2.3	106	PASS
441	443	0	100	85.3	597	PASS
442	198	40	110	76.6	3513	PASS
443	442	15	24	19.9	700	PASS

Quantitation Report

Data File : C:\HPCHEM\1\DATA\02099A01.D
Acq On : 9 Feb 99 10:05 am
Sample : 50 DFTPP
Misc : OLM QB1 FY99 P #99118
Quant Time: Feb 9 14:43 1999

Vial: 1
Operator: ESAT
Inst : 5988
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\DFTPPLAN.M
Title : DFTPP EVALUTION MIX
Last Update : Fri Jul 10 11:15:13 1998
Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) DFTPP EVALUTION MIX	11.03	198	11640	50.00	UG/ML	-0.21
System Monitoring Compounds						%Recovery
Target Compounds						Qvalue
2) 4-NITROANILINE	9.78	65	672	9.87	UG/ML#	60
3) PENTACHLOROPHENOL	10.79	266	12820	64.29	UG/ML	93
4) BENZIDINE	12.28	184	69703	82.46	UG/ML	94
5) P,P-DDE	12.42	246	177	1.75	UG/MLm	39
6) ENDRIN	12.92	81	3890	54.74	UG/ML	71
7) ENDRIN ALDEHYDE	12.92	67	951	8.46	UG/ML#	74
8) P,P-DDD	12.88	235	365	1.47	UG/MLm	96
9) P,P -DDT	13.33	235	24832	65.28	UG/ML	96
10) ENDRIN KETONE	14.23	67	467	2.76	UG/ML#	68

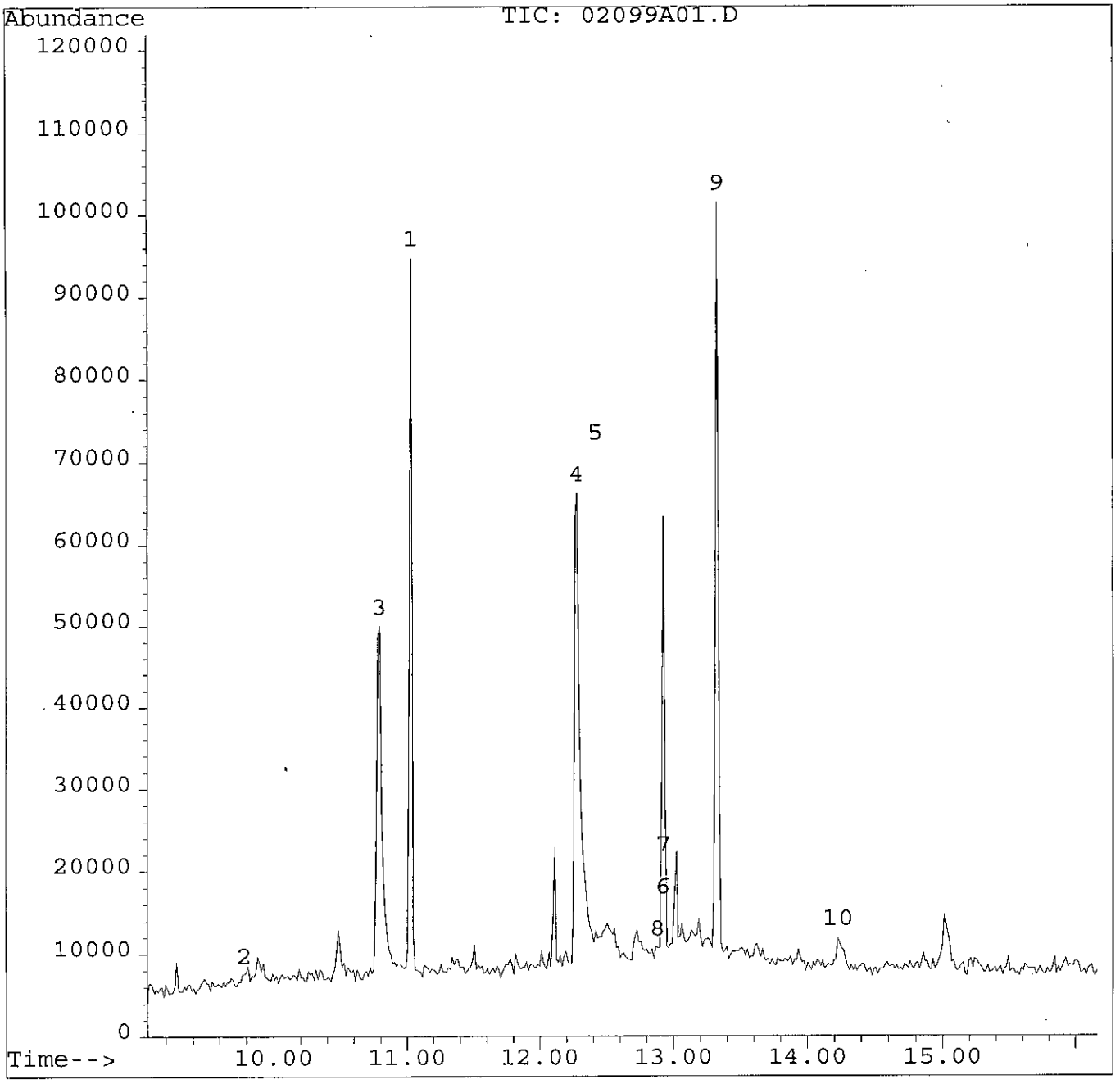
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\02099A01.D
Acq On : 9 Feb 99 10:05 am
Sample : 50 DFTPP
Misc : OLM QB1 FY99 P #99118
Quant Time: Feb 9 14:43 1999

Vial: 1
Operator: ESAT
Inst : 5988
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\DFTPPLAN.M
Title : DFTPP EVALUTION MIX
Last Update : Fri Jul 10 11:15:13 1998
Response via : Multiple Level Calibration

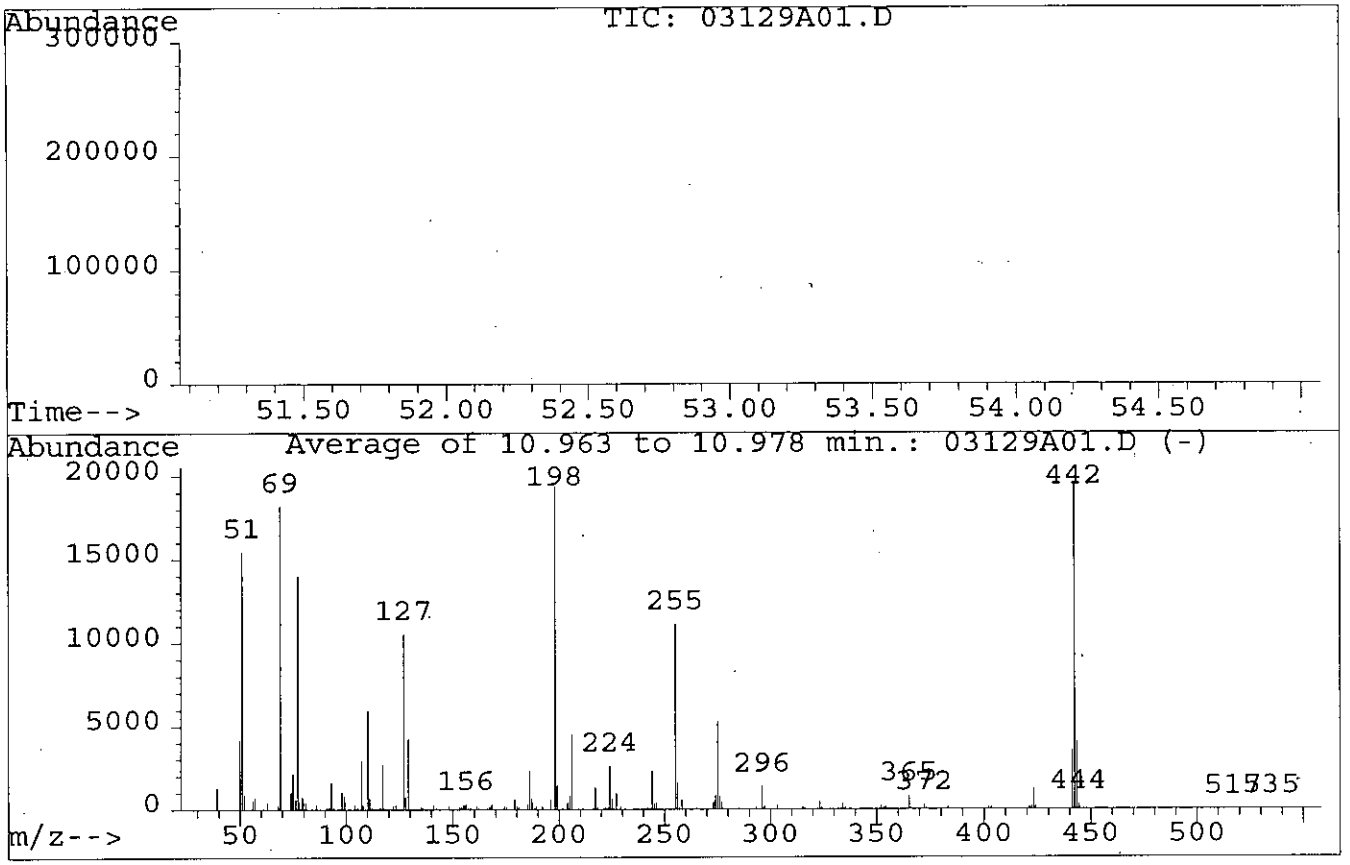


DFTPP

Data File : C:\HPCHEM\1\DATA\03129A01.D
Acq On : 12 Mar 99 8:50 am
Sample : 50 DFTPP
Misc : American Glue & Resin P#99187

Vial: 1
Operator: ESAT
Inst : 5988
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\DFTPPLAN.M
Title : DFTPP EVALUTION MIX



Peak Apex is scan: 276

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	80	79.7	15484	PASS
68	69	0	2	1.6	290	PASS
69	198	0	100	93.9	18233	PASS
70	69	0	2	0.0	0	PASS
127	198	25	75	54.3	10552	PASS
197	198	0	1	0.0	0	PASS
198	198	100	100	100.0	19416	PASS
199	198	5	9	7.6	1472	PASS
275	198	10	30	27.3	5291	PASS
365	198	1	100	4.3	837	PASS
441	443	0	100	87.8	3550	PASS
442	198	40	110	101.0	19608	PASS
443	442	15	24	20.6	4042	PASS

Quantitation Report

Data File : C:\HPCHEM\1\DATA\03129A01.D
Acq On : 12 Mar 99 8:50 am
Sample : 50 DFTPP
Misc : American Glue & Resin P#99187
Quant Time: Mar 12 11:30 1999

Vial: 1
Operator: ESAT
Inst : 5988
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\DFTPPLAN.M
Title : DFTPP EVALUTION MIX
Last Update : Fri Jul 10 11:15:13 1998
Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) DFTPP EVALUTION MIX	10.98	198	34500	50.00	UG/ML	-0.26
System Monitoring Compounds						%Recovery
Target Compounds						Qvalue
2) 4-NITROANILINE	9.80	65	3567	17.68	UG/ML	72
3) PENTACHLOROPHENOL	10.74	266	37222	62.98	UG/ML	92
4) BENZIDINE	12.21	184	160477	64.05	UG/ML	92
5) P,P-DDE	12.35	246	1268	4.23	UG/MLm	46
6) ENDRIN	12.84	81	12816	60.85	UG/ML	67
7) ENDRIN ALDEHYDE	13.53	67	1053	3.16	UG/ML#	76
8) P,P-DDD	12.80	235	1252	1.70	UG/MLm	94
9) P,P -DDT	13.25	235	79278	70.32	UG/ML	94
10) ENDRIN KETONE	14.14	67	1348	2.69	UG/ML#	78

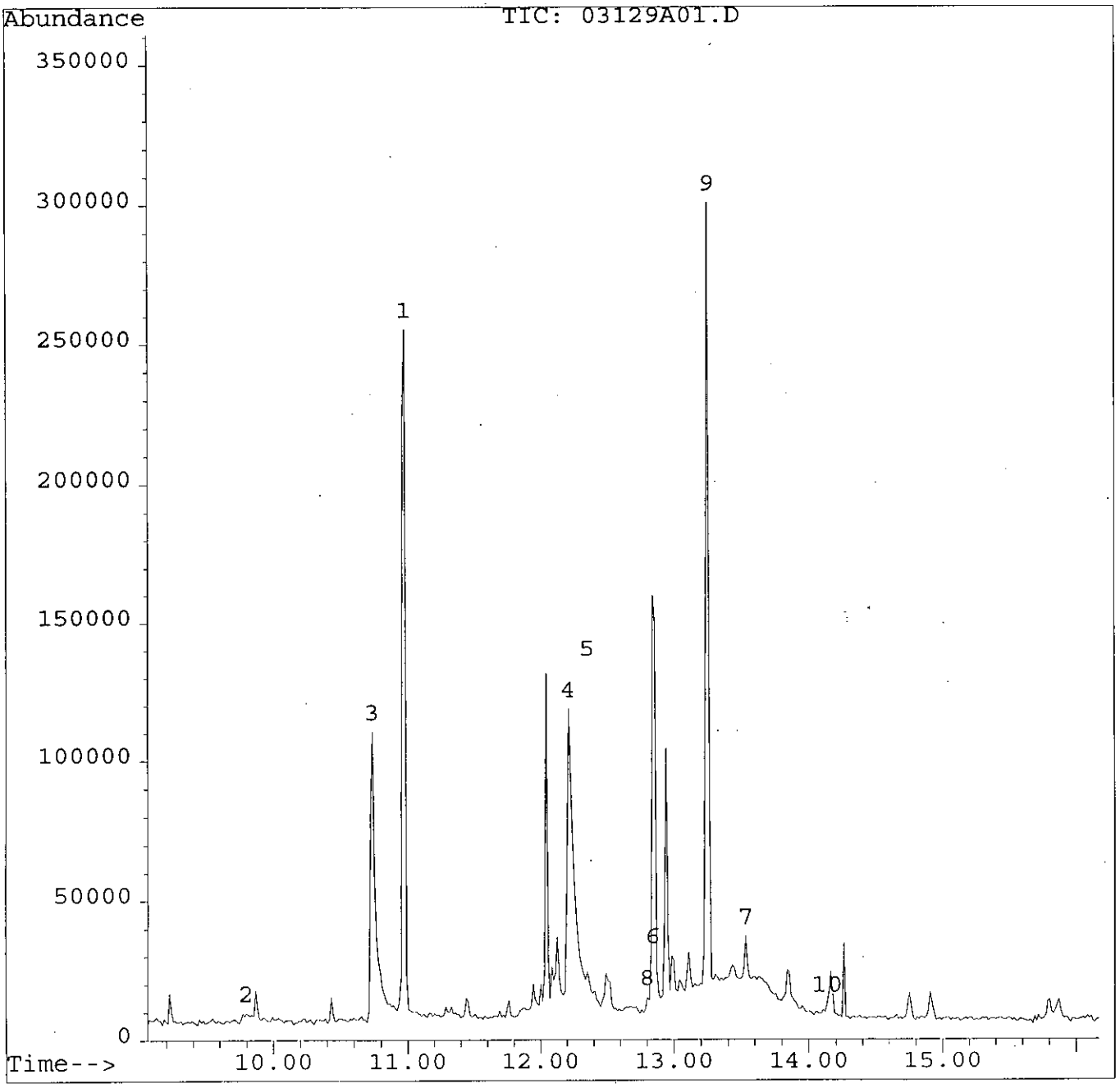
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\03129A01.D
Acq On : 12 Mar 99 8:50 am
Sample : 50 DFTPP
Misc : American Glue & Resin P#99187
Quant Time: Mar 12 11:30 1999

Vial: 1
Operator: ESAT
Inst : 5988
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\DFTPPLAN.M
Title : DFTPP EVALUTION MIX
Last Update : Fri Jul 10 11:15:13 1998
Response via : Multiple Level Calibration

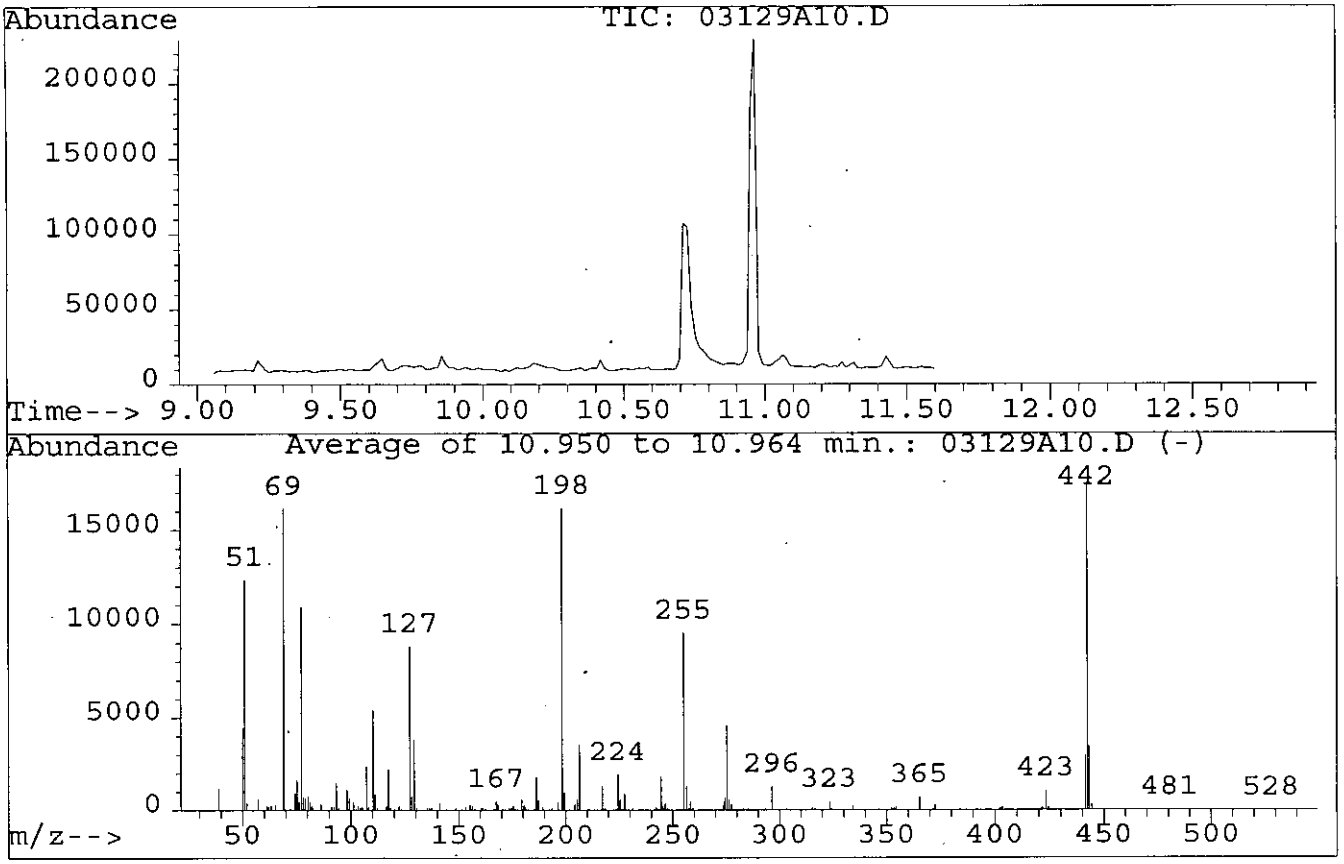


DFTPP

Data File : C:\HPCHEM\1\DATA\03129A10.D
Acq On : 13 Mar 99 9:50 am
Sample : 50 DFTPP
Misc : American Glue & Resin P#99187

Vial: 10
Operator: ESAT
Inst : 5988
Multiplr: 229.46

Method : C:\HPCHEM\1\METHODS\03129A01.M
Title : semivolatiles



Peak Apex is scan: 135

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	80	76.4	12374	PASS
68	69	0	2	0.0	0	PASS
69	198	0	100	99.8	16161	PASS
70	69	0	2	0.5	88	PASS
127	198	25	75	54.4	8813	PASS
197	198	0	1	0.2	39	PASS
198	198	100	100	100.0	16187	PASS
199	198	5	9	6.1	991	PASS
275	198	10	30	28.2	4566	PASS
365	198	1	100	4.5	730	PASS
441	443	0	100	86.0	2969	PASS
442	198	40	110	108.3	17526	PASS
443	442	15	24	19.7	3451	PASS

Quantitation Report

Data File : C:\HPCHEM\1\DATA\03129A10.D
Acq On : 13 Mar 99 9:50 am
Sample : 50 DFTPP
Misc : American Glue & Resin P#99187
Quant Time: Mar 13 10:08 1999

Vial: 10
Operator: ESAT
Inst : 5988
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\DFTPPLAN.M
Title : DFTPP EVALUTION MIX
Last Update : Fri Jul 10 11:15:13 1998
Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) DFTPP EVALUTION MIX	10.96	198	28424	50.00	UG/ML	-0.27
System Monitoring Compounds						%Recovery
Target Compounds						Qvalue
2) 4-NITROANILINE	9.73	65	5854	35.22	UG/ML#	58
3) PENTACHLOROPHENOL	10.73	266	31831	65.37	UG/ML	95
4) BENZIDINE	12.20	184	259740	125.84	UG/ML	93
5) P,P-DDE	12.34	246	856	3.47	UG/MLm	43
6) ENDRIN	12.83	81	11570	66.68	UG/ML	69
7) ENDRIN ALDEHYDE	13.31	67	1157	4.21	UG/ML	84
8) P,P-DDD	12.79	235	5719	9.44	UG/MLm	91
9) P,P -DDT	13.24	235	64839	69.80	UG/ML	91
10) ENDRIN KETONE	14.12	67	1431	3.46	UG/ML#	71

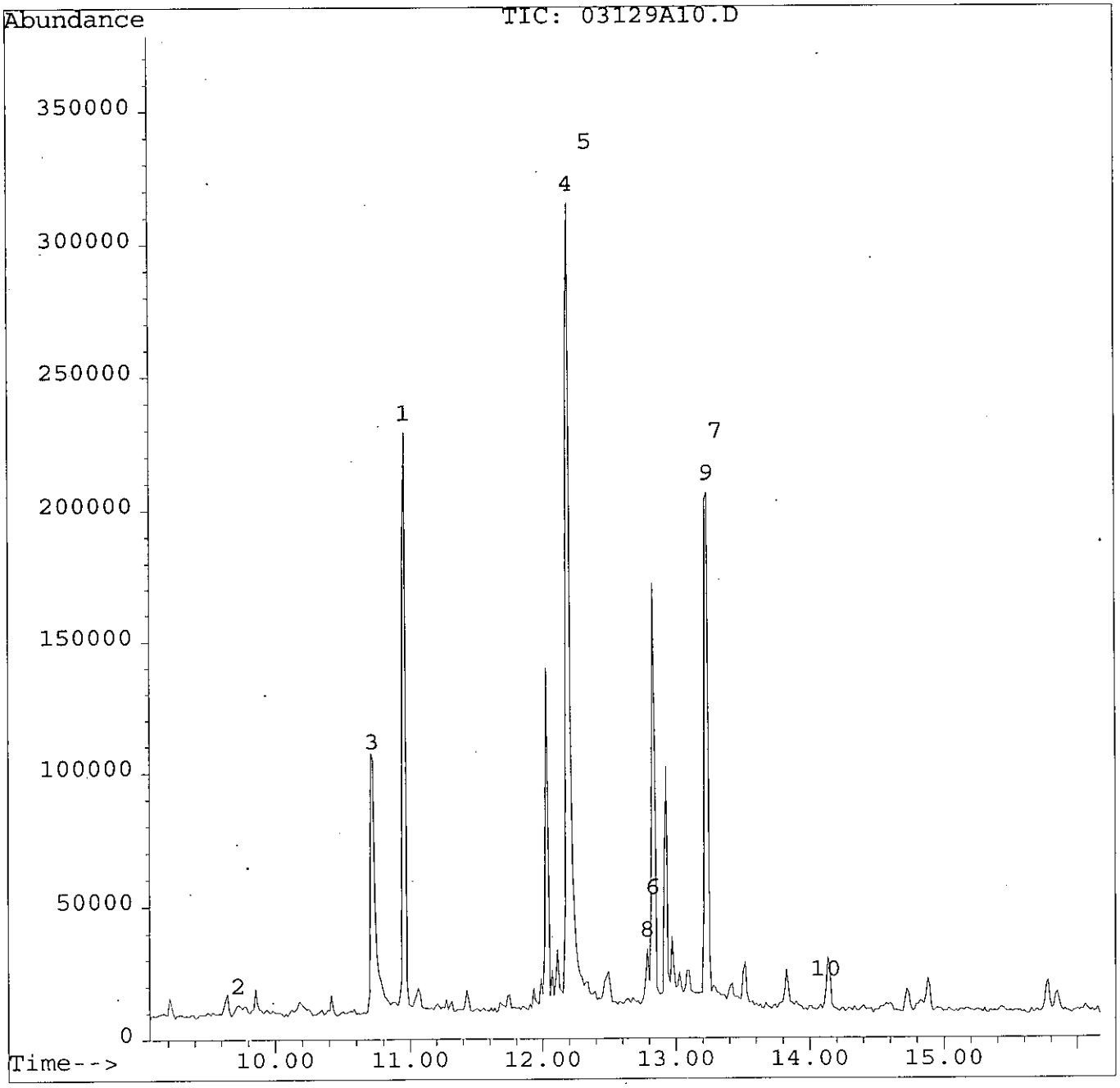
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\03129A10.D
Acq On : 13 Mar 99 9:50 am
Sample : 50 DFTPP
Misc : American Glue & Resin P#99187
Quant Time: Mar 13 10:08 1999

Vial: 10
Operator: ESAT
Inst : 5988
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\DFTPPLAN.M
Title : DFTPP EVALUTION MIX
Last Update : Fri Jul 10 11:15:13 1998
Response via : Multiple Level Calibration



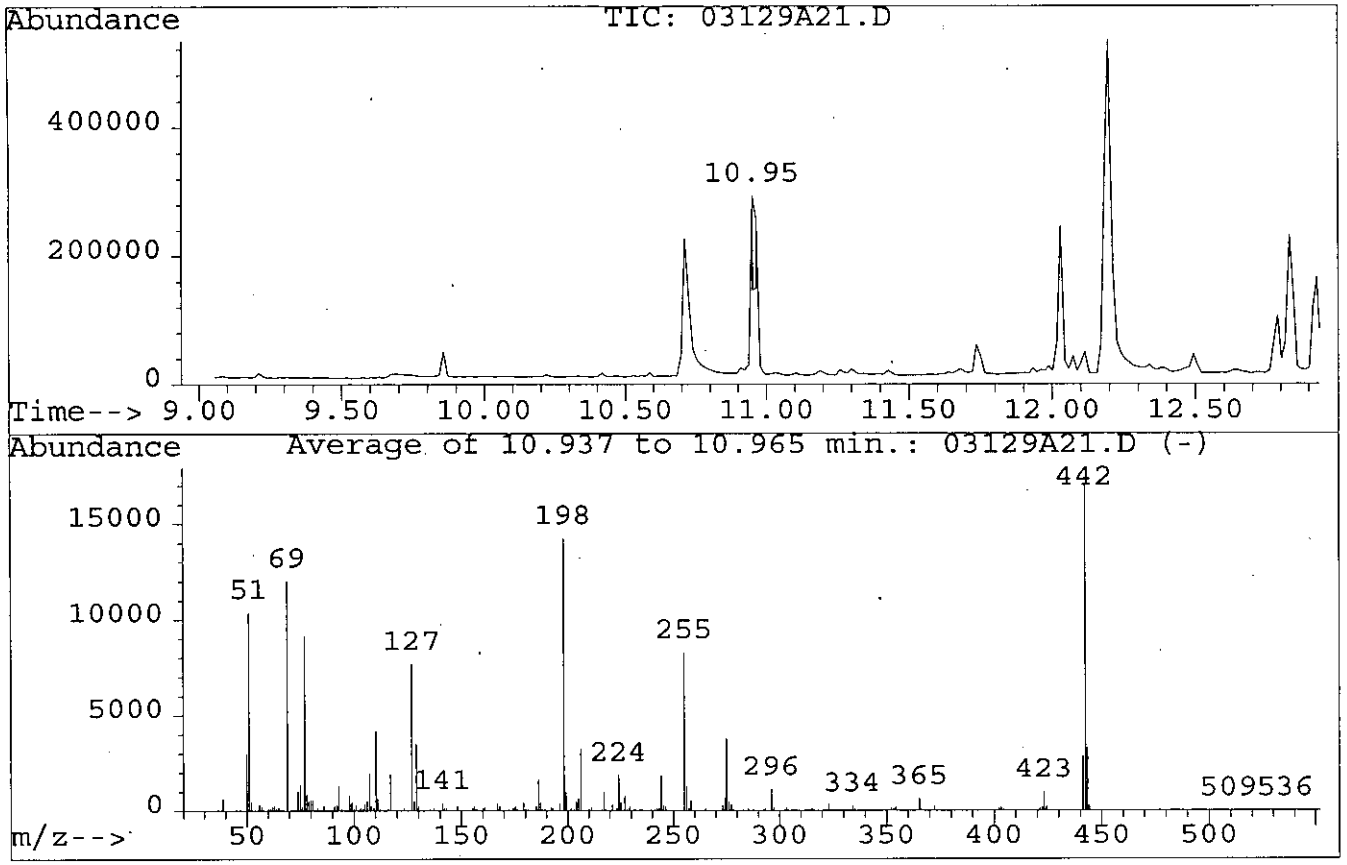
DFTPP

END OF SEQUENCE

Data File : C:\HPCHEM\1\DATA\03129A21.D
Acq On : 13 Mar 99 9:33 pm
Sample : 50 DFTPP
Misc : American Glue & Resin P#99187

Vial: 21
Operator: ESAT
Inst : 5988
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\DFTPPLAN.M
Title : DFTPP EVALUTION MIX



Peak Apex is scan: 135

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	80	72.9	10390	PASS
68	69	0	2	0.0	0	PASS
69	198	0	100	84.4	12029	PASS
70	69	0	2	0.0	0	PASS
127	198	25	75	53.9	7685	PASS
197	198	0	1	0.0	0	PASS
198	198	100	100	100.0	14249	PASS
199	198	5	9	7.2	1020	PASS
275	198	10	30	26.6	3788	PASS
365	198	1	100	4.4	632	PASS
441	443	0	100	86.1	2863	PASS
442	198	40	110	120.1	17113	FAIL*
443	442	15	24	19.4	3327	PASS

Quantitation Report

Data File : C:\HPCHEM\1\DATA\03129A21.D
Acq On : 13 Mar 99 9:33 pm
Sample : 50 DFTPP
Misc : American Glue & Resin P#99187
Quant Time: Mar 14 9:36 1999

Vial: 21
Operator: ESAT
Inst : 5988
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\DFTPPLAN.M
Title : DFTPP EVALUTION MIX
Last Update : Fri Jul 10 11:15:13 1998
Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) DFTPP EVALUTION MIX	10.96	198	38409	50.00	UG/ML	-0.27
System Monitoring Compounds						%Recovery
Target Compounds						Qvalue
2) 4-NITROANILINE	9.67	65	8204	36.52	UG/ML	76
3) PENTACHLOROPHENOL	10.71	266	52777	80.21	UG/ML	89
4) BENZIDINE	12.20	184	363151	130.20	UG/ML	92
5) P,P-DDE	12.34	246	906	2.72	UG/MLm	47
6) ENDRIN	12.83	81	17533	74.77	UG/ML	70
7) ENDRIN ALDEHYDE	13.01	67	1057	2.85	UG/ML#	65
8) P,P-DDD	12.79	235	26883	32.83	UG/MLm	88
9) P,P -DDT	13.24	235	80843	64.41	UG/ML	88
10) ENDRIN KETONE	14.12	67	5122	9.17	UG/ML#	71

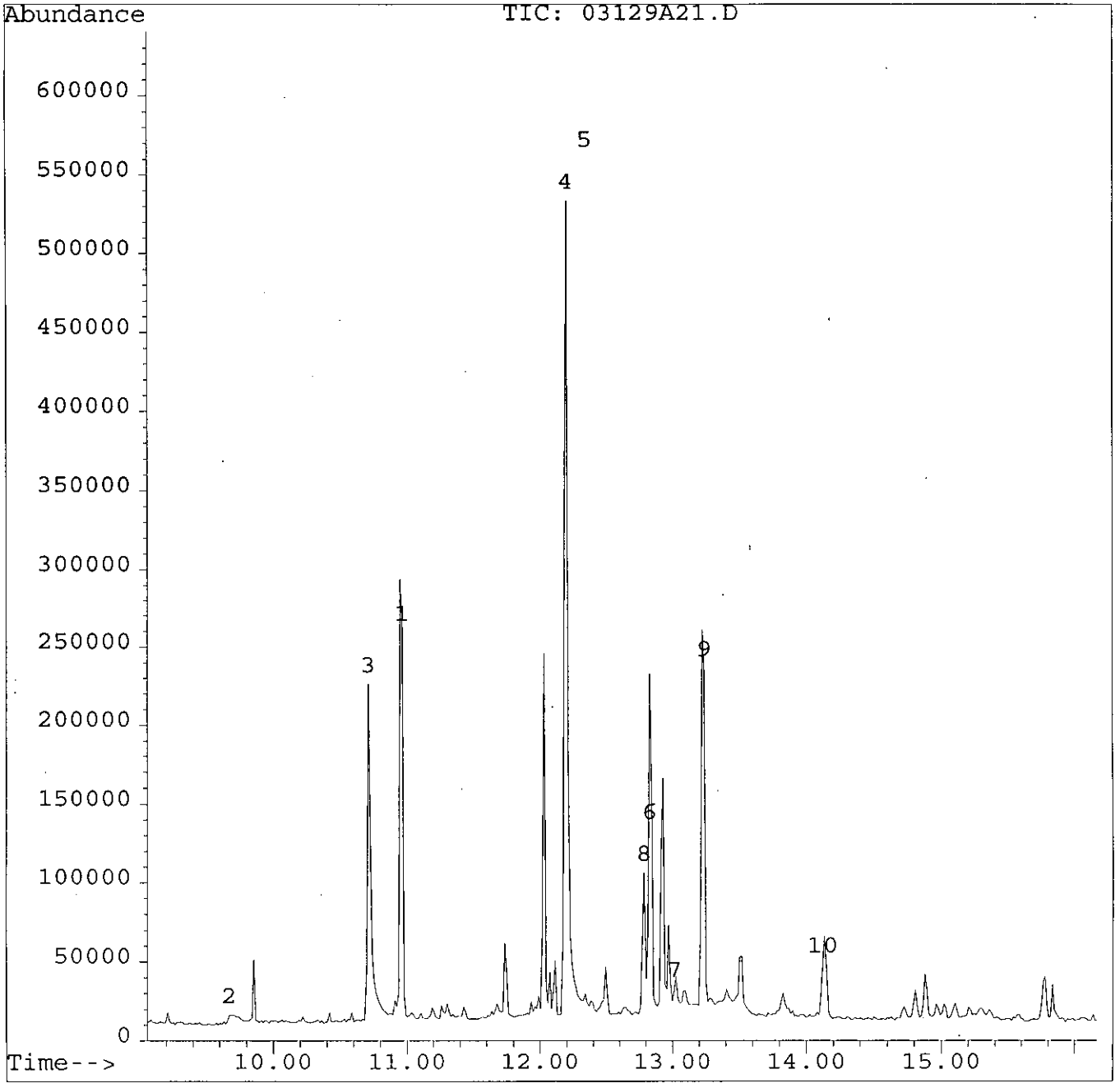
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\03129A21.D
Acq On : 13 Mar 99 9:33 pm
Sample : 50 DFTPP
Misc : American Glue & Resin P#99187
Quant Time: Mar 14 9:36 1999

Vial: 21
Operator: ESAT
Inst : 5988
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\DFTPPLAN.M
Title : DFTPP EVALUTION MIX
Last Update : Fri Jul 10 11:15:13 1998
Response via : Multiple Level Calibration

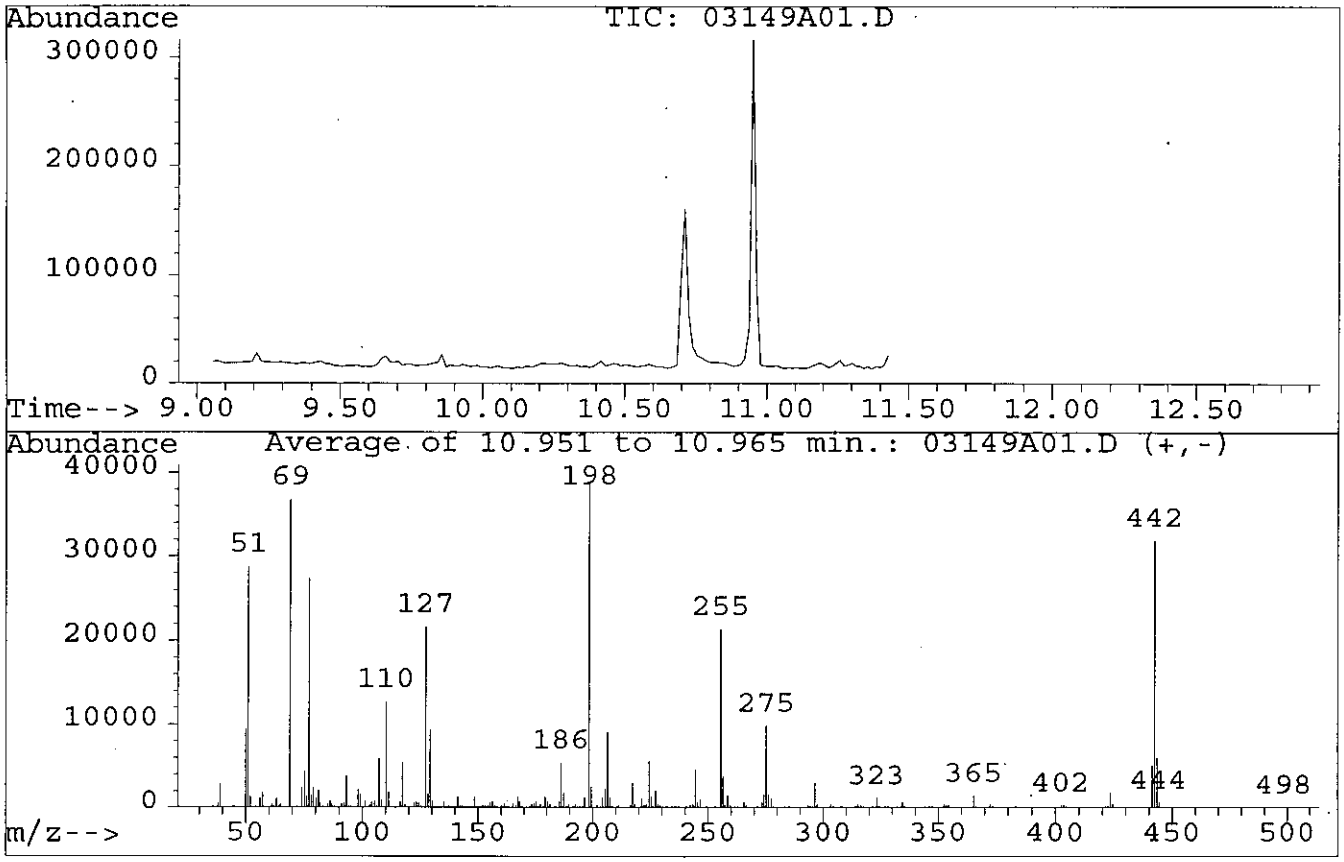


DFTPP

Data File : C:\HPCHEM\1\DATA\03149A01.D
Acq On : 14 Mar 99 10:29 am
Sample : 50 DFTPP
Misc : American Glue & Resin P#99187

Vial: 1
Operator: ESAT
Inst : 5988
Multiplr: 4579.80

Method : C:\HPCHEM\1\METHODS\03129A02.M
Title : semivolatiles



Peak Apex is scan: 135

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	80	74.0	28819	PASS
68	69	0	2	0.0	0	PASS
69	198	0	100	94.7	36856	PASS
70	69	0	2	0.4	136	PASS
127	198	25	75	55.8	21710	PASS
197	198	0	1	0.0	0	PASS
198	198	100	100	100.0	38938	PASS
199	198	5	9	6.7	2615	PASS
275	198	10	30	25.3	9857	PASS
365	198	1	100	3.8	1497	PASS
441	443	0	100	84.4	5112	PASS
442	198	40	110	82.1	31956	PASS
443	442	15	24	19.0	6057	PASS

Quantitation Report

Data File : C:\HPCHEM\1\DATA\03149A01.D
Acq On : 14 Mar 99 10:29 am
Sample : 50 DFTPP
Misc : American Glue & Resin P#99187
Quant Time: Mar 14 10:51 1999

Vial: 1
Operator: ESAT
Inst : 5988
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\DFTPPLAN.M
Title : DFTPP EVALUTION MIX
Last Update : Fri Jul 10 11:15:13 1998
Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) DFTPP EVALUTION MIX	10.95	198	28134	50.00	UG/ML	-0.29
System Monitoring Compounds						%Recovery
Target Compounds						Qvalue
2) 4-NITROANILINE	9.65	65	7136	43.37	UG/ML#	53
3) PENTACHLOROPHENOL	10.71	266	32636	67.72	UG/ML	89
4) BENZIDINE	12.19	184	241441	118.18	UG/ML	91
5) P,P-DDE	12.33	246	619	2.53	UG/MLm	37
6) ENDRIN	12.82	81	12267	71.42	UG/ML#	54
7) ENDRIN ALDEHYDE	13.28	67	710	2.61	UG/ML#	62
8) P,P-DDD	12.77	235	1241	2.07	UG/MLm	94
9) P,P -DDT	13.22	235	64959	70.65	UG/MLm	32
10) ENDRIN KETONE	14.11	67	1176	2.88	UG/ML#	75

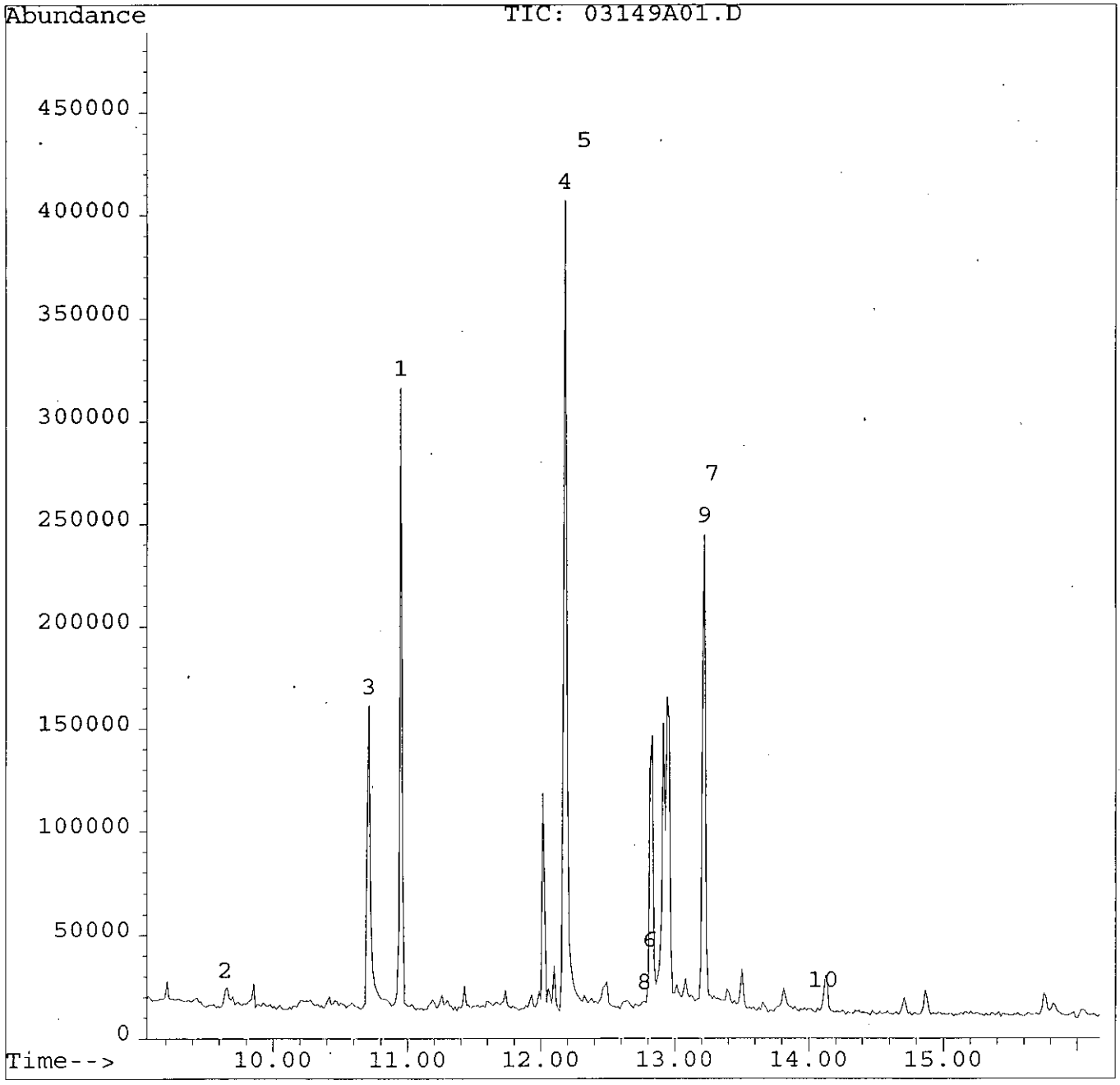
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\03149A01.D
Acq On : 14 Mar 99 10:29 am
Sample : 50 DFTPP
Misc : American Glue & Resin P#99187
Quant Time: Mar 14 10:51 1999

Vial: 1
Operator: ESAT
Inst : 5988
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\DFTPPLAN.M
Title : DFTPP EVALUTION MIX
Last Update : Fri Jul 10 11:15:13 1998
Response via : Multiple Level Calibration



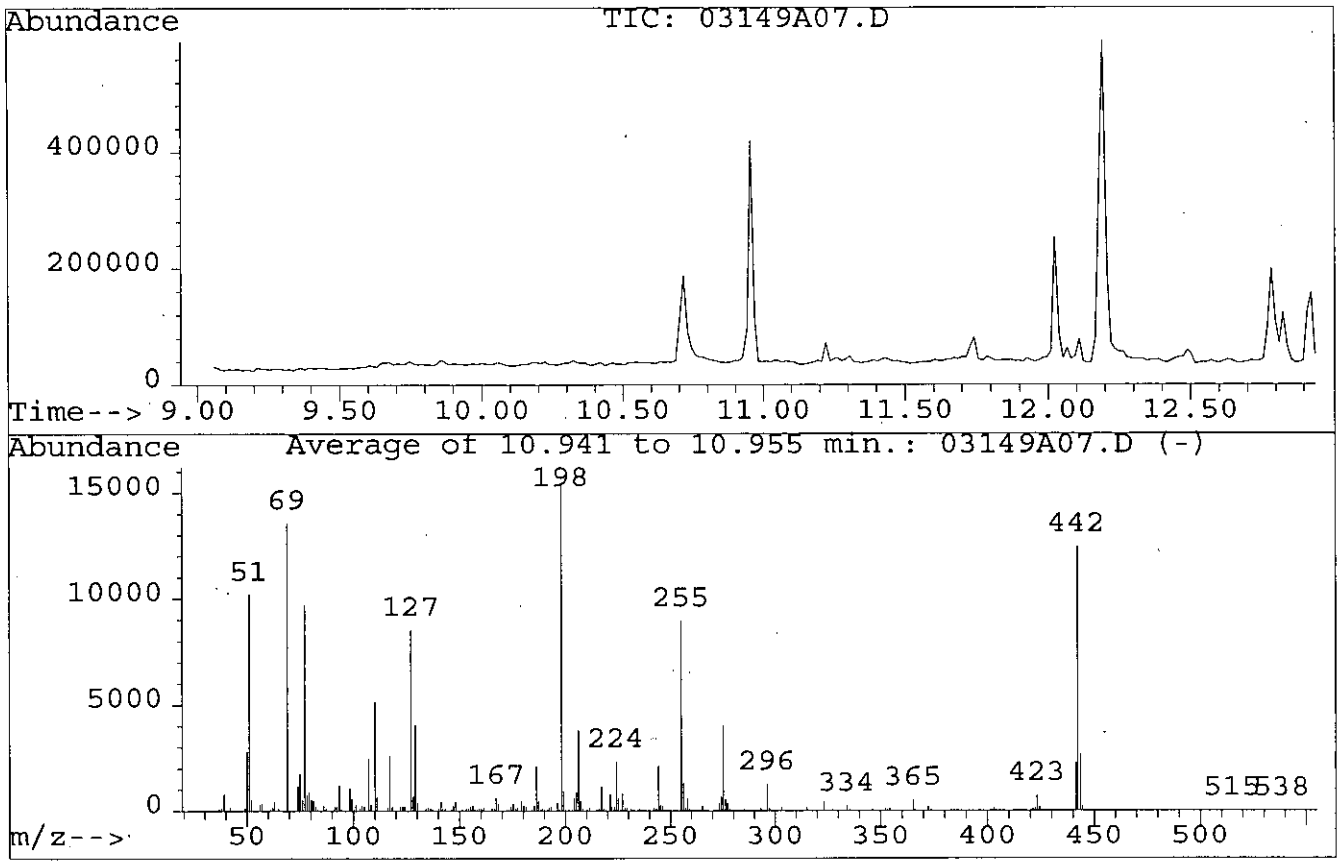
DFTPP

End of sequence

Data File : C:\HPCHEM\1\DATA\03149A07.D
Acq On : 14 Mar 99 4:32 pm
Sample : 50 DFTPP
Misc : American Glue & Resin P#99187

Vial: 7
Operator: ESAT
Inst : 5988
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\DFTPPLAN.M
Title : DFTPP EVALUTION MIX



Peak Apex is scan: 135

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	80	66.1	10212	PASS
68	69	0	2	0.0	0	PASS
69	198	0	100	88.0	13584	PASS
70	69	0	2	0.0	0	PASS
127	198	25	75	55.3	8539	PASS
197	198	0	1	0.6	89	PASS
198	198	100	100	100.0	15442	PASS
199	198	5	9	6.1	942	PASS
275	198	10	30	26.2	4047	PASS
365	198	1	100	3.4	529	PASS
441	443	0	100	84.7	2266	PASS
442	198	40	110	80.6	12453	PASS
443	442	15	24	21.5	2676	PASS

Quantitation Report

Data File : C:\HPCHEM\1\DATA\03149A07.D
Acq On : 14 Mar 99 4:32 pm
Sample : 50 DFTPP
Misc : American Glue & Resin P#99187
Quant Time: Mar 15 7:34 1999

Vial: 7
Operator: ESAT
Inst : 5988
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\DFTPPLAN.M
Title : DFTPP EVALUTION MIX
Last Update : Fri Jul 10 11:15:13 1998
Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) DFTPP EVALUTION MIX	10.95	198	36297	50.00	UG/ML	-0.28
System Monitoring Compounds						%Recovery
Target Compounds						Qvalue
2) 4-NITROANILINE	9.66	65	6419	30.24	UG/ML#	61
3) PENTACHLOROPHENOL	10.72	266	40742	65.52	UG/ML	90
4) BENZIDINE	12.19	184	364664	138.35	UG/ML	92
5) P,P-DDE	12.33	246	791	2.51	UG/MLm	48
6) ENDRIN	12.83	81	12790	57.72	UG/MLm	77
7) ENDRIN ALDEHYDE	13.02	67	1680	4.79	UG/ML#	56
8) P,P-DDD	12.78	235	36720	47.45	UG/ML	91
9) P,P -DDT	13.22	235	20148	16.99	UG/ML	89
10) ENDRIN KETONE	13.95	67	5326	10.09	UG/MLm	75

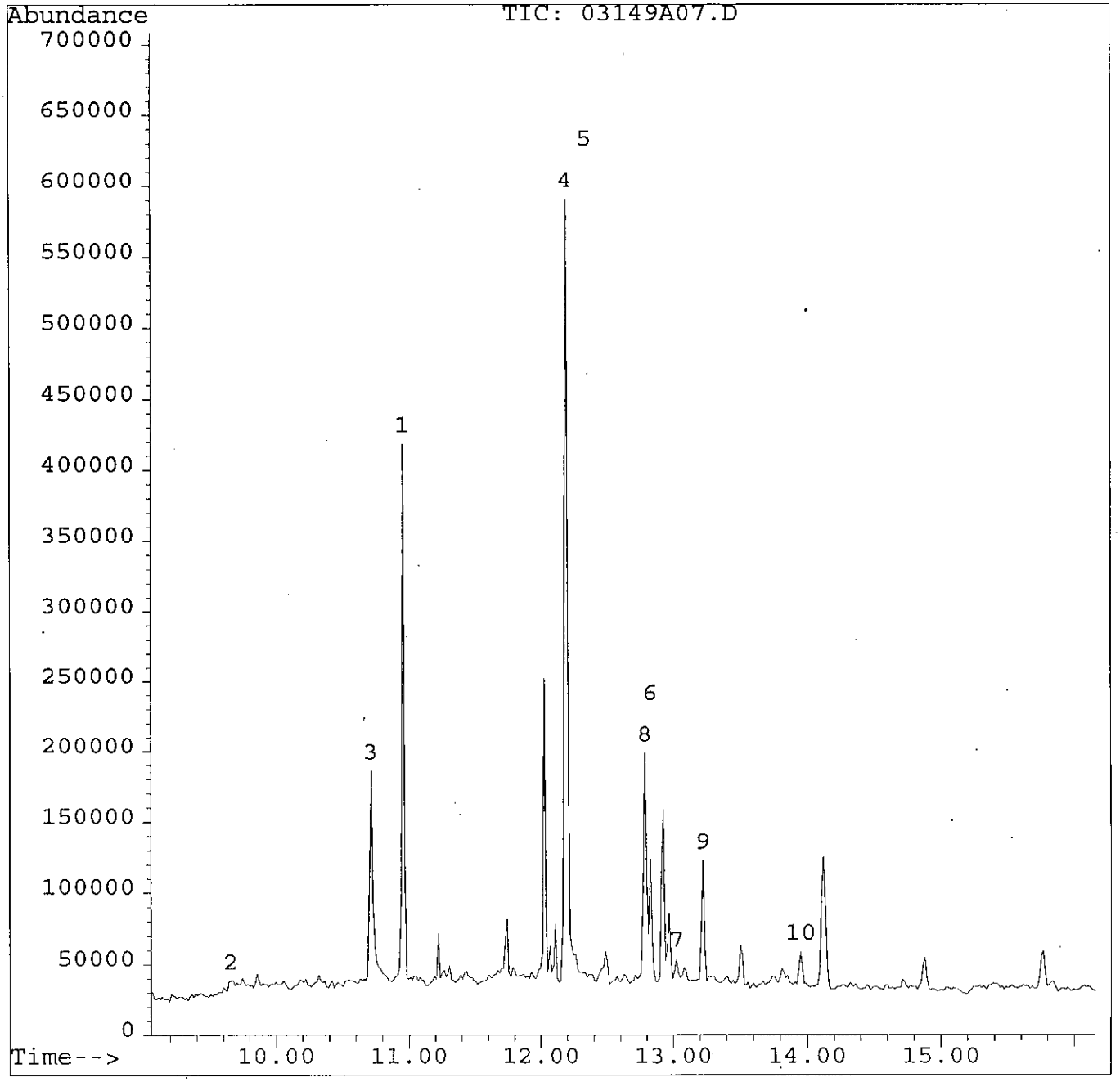
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\03149A07.D
Acq On : 14 Mar 99 4:32 pm
Sample : 50 DFTPP
Misc : American Glue & Resin P#99187
Quant Time: Mar 15 7:34 1999

Vial: 7
Operator: ESAT
Inst : 5988
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\DFTPPLAN.M
Title : DFTPP EVALUTION MIX
Last Update : Fri Jul 10 11:15:13 1998
Response via : Multiple Level Calibration



Response Factor Report 5988

Method : C:\HPCHEM\1\METHODS\02099A01.M
Title : semivolatiles
Last Update : Wed Feb 10 09:11:15 1999
Response via : Continuing Calibration

Calibration Files
160 =02099A02.D 100 =02099A03.D 50 =02099A04.D
25 =02099A05.D 12.5 =02099A06.D 6.25 =02099A07.D

		Compound	160	100	50	25	12.5	6.25	Avg	%RS
1)	I	1,4-DICHLOROBENZENE-D	ISTD							
2)	S	FLUOROPHENOL		0.836	0.728	0.816	0.642	0.550	0.7	16.7
3)	T	ANILINE	1.236	1.255	1.186	1.330	1.149	0.903	1.2	12.5
4)	S	PHENOL-D5		1.145	1.043	1.142	1.125	0.890	1.1	10.1
5)	S	2-CHLOROPHENOL-D4		0.849	0.791	0.893	0.881	0.933	0.9	6.0
6)	M	PHENOL	1.161	1.097	1.038	1.107	1.152	1.033	1.1	4.9
7)	T	BIS(2-CHLOROETHYL)	1.077	1.093	0.962	1.068	0.954	1.183	1.1	8.1
8)	M	2-CHLOROPHENOL	0.814	0.823	0.747	0.863	0.891	0.892	0.8	6.6
9)	T	1,3-DICHLOROBENZENE	0.860	0.880	0.830	0.941	0.972	1.035	0.9	8.3
10)	M	1,4-DICHLOROBENZENE	0.859	0.927	0.829	1.018	1.056	0.962	0.9	9.3
11)	T	BENZYL ALCOHOL	0.754	0.666	0.577	0.472	0.516		0.6	19.0
12)	S	1,2-DICHLOROBENZENE		0.939	0.897	1.057	0.992	1.047	1.0	6.9
13)	T	1,2-DICHLOROBENZENE	0.821	0.832	0.795	0.946	0.887	0.955	0.9	7.7
14)	T	2-METHYLPHENOL	0.730	0.715	0.681	0.800	0.634	0.999	0.8	17.0
15)	T	BIS(2-CHLOROISOPROP	1.174	1.092	0.971	1.155	1.106	1.352	1.1	10.9
16)	T	4-METHYLPHENOL	1.035	0.996	0.984	1.035	0.964	0.810	1.0	8.6
17)	M	N-NITROSODIPROPYLAM	0.814	0.797	0.696	0.792	0.779	0.764	0.8	5.3
18)	T	HEXACHLOROETHANE	0.425	0.419	0.412	0.486	0.490	0.455	0.4	7.7
19)	I	NAPHTHALENE-D8	ISTD							
20)	S	NITROBENZENE-D5		0.522	0.529	0.563	0.512	0.453	0.5	7.7
21)	T	NITROBENZENE	0.568	0.540	0.518	0.593	0.555	0.583	0.6	4.9
22)	T	ISOPHORONE	0.912	0.903	0.917	0.964	0.932	0.933	0.9	2.3
23)	T	2-NITROPHENOL	0.199	0.209	0.199	0.209	0.212	0.173	0.2	7.1
24)	T	2,4-DIMETHYLPHENOL	0.370	0.368	0.389	0.429	0.406	0.369	0.4	6.3
25)	T	BIS(2-CHLOROETHOXY)	0.586	0.586	0.559	0.617	0.550	0.543	0.6	4.8
26)	T	BENZOIC ACID	0.306	0.292	0.252	0.261	0.147		0.3	24.7
27)	T	2,4-DICHLOROPHENOL	0.274	0.289	0.295	0.315	0.302	0.192	0.3	15.8
28)	M	1,2,4-TRICHLOROBENZ	0.288	0.294	0.295	0.320	0.340	0.342	0.3	7.8
29)	T	NAPHTHALENE	1.024	1.013	1.053	1.125	1.141	1.195	1.1	6.6
30)	T	4-CHLOROANILINE	0.394	0.412	0.380	0.341	0.259	0.260	0.3	19.8
31)	T	HEXACHLOROBUTADIENE	0.175	0.179	0.194	0.218	0.188	0.217	0.2	9.5
32)	M	4-CHLORO-3-METHYLPH	0.333	0.336	0.340	0.354	0.330	0.335	0.3	2.4
33)	T	2-METHYLNAPHTHALENE	0.635	0.645	0.666	0.731	0.726	0.782	0.7	8.3
34)	I	ACENAPHTHENE-D10	ISTD							
35)	T	HEXACHLOROCYCLOPENT	0.429	0.424	0.422	0.420	0.364	0.263	0.4	16.9
36)	T	2,4,6-TRICHLOROPHEN	0.372	0.401	0.396	0.420	0.402	0.365	0.4	5.2
37)	T	2,4,5-TRICHLOROPHEN	0.422	0.394	0.413	0.402	0.342	0.447	0.4	8.7
38)	S	FLUOROBIPHENYL		1.398	1.388	1.474	1.476	1.576	1.5	5.1
39)	T	2-CHLORONAPHTHALENE	1.218	1.272	1.309	1.345	1.379	1.395	1.3	5.0
40)	T	2-NITROANILINE	0.490	0.499	0.480	0.480	0.399	0.387	0.5	10.7

(#) = Out of Range

Method : C:\HPCHEM\1\METHODS\02099A01.M
Title : semivolatiles
Last Update : Wed Feb 10 09:11:15 1999
Response via : Continuing Calibration

Calibration Files
160 =02099A02.D 100 =02099A03.D 50 =02099A04.D
25 =02099A05.D 12.5 =02099A06.D 6.25 =02099A07.D

		Compound	160	100	50	25	12.5	6.25	Avg	%RS
41)	T	DIMETHYLPHTHALATE	1.451	1.525	1.568	1.624	1.642	1.706	1.6	5.7
42)	T	ACENAPHTHYLENE	1.922	2.043	2.124	2.137	2.147	2.037	2.1	4.1
43)	T	2,6-DINITROTOLUENE	0.338	0.357	0.359	0.335	0.340	0.286	0.3	7.8
44)	T	3-NITROANILINE	0.755	0.710	0.601	0.662	0.624	0.684	0.7	8.4
45)	M	ACENAPHTHENE	1.058	1.103	1.116	1.167	1.156	1.292	1.1	7.0
46)	T	2,4-DINITROPHENOL	0.218	0.227	0.207	0.179	0.119		0.2	22.8
47)	T	DIBENZOFURAN	1.687	1.784	1.835	1.894	1.860	1.872	1.8	4.1
48)	M	4-NITROPHENOL	0.427	0.398	0.369	0.343	0.153		0.3	32.0
49)	M	2,4-DINITROTOLUENE	0.451	0.485	0.468	0.525	0.474	0.418	0.5	7.5
50)	T	DIETHYLPHTHALATE	1.550	1.618	1.648	1.690	1.714	1.672	1.6	3.5
51)	T	FLUORENE	1.239	1.345	1.379	1.497	1.418	1.519	1.4	7.3
52)	T	4-CHLOROPHENYL-PHEN	0.602	0.636	0.651	0.656	0.722	0.733	0.7	7.6
53)	T	4-NITROANILINE	0.673	0.589	0.510	0.643	0.495		0.6	13.5
54)	I	PHENANTHRENE-D10	ISTD							
55)	T	4,6-DINITRO-2-METHY	0.153	0.151	0.143	0.148	0.132	0.106	0.1	12.6
56)	T	N-NITROSODIPHENYLAM	0.483	0.472	0.468	0.514	0.550	0.558	0.5	7.8
57)	T	DIPHENYLHYDRAZINE(A	1.294	1.210	1.199	1.292	1.375	1.274	1.3	5.0
58)	S	2,4,6-TRIBROMOPHENO		0.145	0.142	0.149	0.141	0.157	0.1	4.5
59)	T	4-BROMOPHENYL-PHENY	0.219	0.217	0.216	0.230	0.229	0.207	0.2	3.9
60)	T	BHC ISOMER (ALPHA)	0.157	0.152	0.156	0.170	0.175	0.184	0.2	7.4
61)	T	HEXACHLOROBENZENE	0.259	0.264	0.275	0.295	0.310	0.281	0.3	6.7
62)	T	BHC ISOMER (BETA)	0.122	0.125	0.134	0.130	0.135	0.146	0.1	6.4
63)	M	PENTACHLOROPHENOL	0.158	0.149	0.138	0.138			0.1	6.7
64)	T	LINDANE-BHC ISOMER	0.135	0.133	0.133	0.147	0.150	0.146	0.1	5.6
65)	T	PHENANTHRENE	0.976	0.986	1.005	1.052	1.064	1.097	1.0	4.6
66)	T	ANTHRACENE	0.997	1.000	1.028	1.066	1.127	1.084	1.1	4.9
67)	T	BHC ISOMER (DELTA)	0.125	0.126	0.127	0.132	0.139	0.144	0.1	5.8
68)	T	CARBAZOLE	0.984	0.967	0.944	0.989	0.970	0.894	1.0	3.6
69)	T	HEPTACHLOR	0.221	0.213	0.225	0.238	0.244	0.243	0.2	5.4
70)	T	DIBUTYLPHTHALATE	1.527	1.468	1.486	1.530	1.508	1.448	1.5	2.1
71)	T	ALDRIN	0.234	0.222	0.231	0.246	0.255	0.300	0.2	11.3
72)	T	HEPTACHLOR EPOXIDE	0.156	0.147	0.154	0.174	0.169	0.189	0.2	9.2
73)	T	FLUORANTHENE	1.071	1.076	1.072	1.122	1.119	1.077	1.1	2.2
74)	I	CHRYSENE-D12	ISTD							
75)	M	PYRENE	1.137	1.184	1.198	1.337	1.286	1.251	1.2	5.9
76)	T	ENDOSULFAN I	0.034	0.036	0.037	0.038	0.042		0.0	8.1
77)	T	P,P-DDE	0.270	0.269	0.289	0.295	0.308	0.280	0.3	5.2
78)	S	P-TERPHENYL-D14		0.995	1.010	1.064	1.079	1.013	1.0	3.5
79)	T	DIELDRIN	0.308	0.291	0.300	0.342	0.341	0.341	0.3	7.3
80)	T	ENDRIN	0.096	0.101	0.096	0.125	0.103	0.107	0.1	10.2
81)	T	ENDOSULFAN II	0.038	0.041	0.037	0.046	0.036		0.0	10.0

(#) = Out of Range

Method : C:\HPCHEM\1\METHODS\02099A01.M
Title : semivolatiles
Last Update : Wed Feb 10 09:11:15 1999
Response via : Continuing Calibration

Calibration Files
160 =02099A02.D 100 =02099A03.D 50 =02099A04.D
25 =02099A05.D 12.5 =02099A06.D 6.25 =02099A07.D

		Compound	160	100	50	25	12.5	6.25	Avg	%RS
82)	T	P,P-DDD	0.466	0.478	0.500	0.531	0.521	0.521	0.5	5.2
83)	T	BUTYLBENZYLPHTHALAT	0.726	0.712	0.712	0.803	0.730	0.646	0.7	6.9
84)	T	P,P-DDT	0.411	0.401	0.424	0.429	0.443	0.359	0.4	7.1
85)	T	ENDOSULFAN SULFATE	0.085	0.088	0.084	0.092	0.089	0.092	0.1	3.5
86)	T	METHOXYCHLOR	0.762	0.785	0.820	0.862	0.811	0.803	0.8	4.1
87)	T	ENDRIN KETONE	0.135	0.127	0.136	0.152	0.167	0.172	0.1	12.5
88)	T	3,3-DICHCHLOROBENZI	0.411	0.393	0.376	0.363	0.303	0.320	0.4	11.6
89)	T	BENZ(A)ANTHRACENE	1.122	1.142	1.162	1.261	1.205	1.206	1.2	4.3
90)	T	CHRYSENE	1.048	1.081	1.102	1.204	1.186	1.180	1.1	5.7
91)	T	BIS(2-ETHYLHEXYL)PH	0.999	1.024	1.078	1.134	1.108	1.091	1.1	4.7
92)	I	PERYLENE-D12	----------ISTD----------							
93)	T	DI-N-OCTYLPHTHALATE	1.819	1.765	1.943	2.077	1.953	1.938	1.9	5.7
94)	T	BENZO(B)FLUORANTHEN	1.329	1.187	1.296	1.274	1.276	1.213	1.3	4.1
95)	T	BENZO(K)FLUORANTHEN	1.177	1.163	1.289	1.427	1.411	1.514	1.3	10.7
96)	T	BENZO(A)PYRENE	1.157	1.159	1.232	1.221	1.276	1.185	1.2	3.8
97)	T	INDENO(1,2,3-CD)PYR	0.498	0.748	1.100	1.038	0.961	0.846	0.9	25.4
98)	T	DIBENZO(A,H)ANTHRAC	0.589	0.897	1.102	1.073	1.094	1.060	1.0	20.7
99)	T	BENZO(GHI)PERYLENE	0.417	0.648	0.983	1.159	1.233	1.183	0.9	35.4

(#) = Out of Range

Quantitation Report

Data File : c:\hpchem\1\data\02099a02.d
Acq On : 9 Feb 99 10:30 am
Sample : 160 GCMS STD
Misc : OLM QB1 FY99 P #99118
Quant Time: Feb 10 8:38 1999

Vial: 2
Operator: ESAT
Inst : 5988
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\01289A01.M
Title : semivolatiles
Last Update : Thu Jan 28 14:35:49 1999
Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DICHLOROBENZENE-D4	16.41	150	26241	40.00	ug/ml	0.00
19) NAPHTHALENE-D8	20.57	136	58562	40.00	ug/ml	0.00
34) ACENAPHTHENE-D10	26.52	164	28196	40.00	ug/ml	-0.01
54) PHENANTHRENE-D10	31.63	188	48863	40.00	ug/ml	0.00
74) CHRYSENE-D12	40.67	240	45536	40.00	ug/ml	-0.01
92) PERYLENE-D12	46.09	264	42097	40.00	ug/ml	-0.04
System Monitoring Compounds						%Recovery
2) FLUOROPHENOL	0.00	112	0	0.00	ug/ml	0.00%
4) PHENOL-D5	15.83	99	10171	14.67	ug/ml	7.33%
5) 2-CHLOROPHENOL-D4	0.00	132	0	0.00	ug/ml	0.00%
12) 1,2-DICHLOROBENZENE-D4	16.95	150	9585	15.35	ug/ml	15.35%
20) NITROBENZENE-D5	17.98	82	12612	16.25	ug/ml	16.25%
38) FLUOROBIPHENYL	0.00	172	0	0.00	ug/ml	0.00%
58) 2,4,6-TRIBROMOPHENOL	0.00	330	0	0.00	ug/ml	0.00%
78) P-TERPHENYL-D14	0.00	244	0	0.00	ug/ml	0.00%
Target Compounds						Qvalue
3) ANILINE	15.47	93	129781	248.54	ug/ml#	1
6) PHENOL	15.48	94	243666	349.21	ug/ml#	76
7) BIS(2-CHLOROETHYL) ETHER	15.65	93	112997	175.24	ug/ml	89
8) 2-CHLOROPHENOL	15.83	128	170793	333.03	ug/ml#	89
9) 1,3-DICHLOROBENZENE	16.22	146	90239	161.31	ug/ml	99
10) 1,4-DICHLOROBENZENE	16.46	146	90164	158.66	ug/ml	96
11) BENZYL ALCOHOL	16.96	79	79106	162.20	ug/ml	96
13) 1,2-DICHLOROBENZENE	16.95	146	86160	159.28	ug/ml	98
14) 2-METHYLPHENOL	17.31	108	76579	160.37	ug/ml#	88
15) BIS(2-CHLOROISOPROPYL)ETHE	17.30	45	123266	106.97	ug/ml#	60
16) 4-METHYLPHENOL	17.84	107	108660	160.74	ug/ml	92
17) N-NITROSODIPROPYLAMINE	17.80	70	85401	172.26	ug/ml	88
18) HEXACHLOROETHANE	17.98	117	44592	167.82	ug/ml	99
21) NITROBENZENE	18.33	77	133107	161.74	ug/ml	88
22) ISOPHORONE	19.18	82	213742	161.04	ug/ml	98
23) 2-NITROPHENOL	19.37	139	93004	295.27	ug/ml	88
24) 2,4-DIMETHYLPHENOL	19.58	107	173304	340.81	ug/ml	96
25) BIS(2-CHLOROETHOXY)METHANE	19.83	93	137350	154.93	ug/ml	91
26) BENZOIC ACID	20.26	105	71617	440.22	ug/ml	97
27) 2,4-DICHLOROPHENOL	20.19	162	128260	269.62	ug/ml	97
28) 1,2,4-TRICHLOROBENZENE	20.37	180	67428	134.04	ug/ml	96
29) NAPHTHALENE	20.65	128	239782	144.50	ug/ml	100
30) 4-CHLOROANILINE	20.92	127	92387	168.79	ug/ml	92
31) HEXACHLOROBUTADIENE	21.01	225	40885	132.52	ug/ml	96
32) 4-CHLORO-3-METHYLPHENOL	22.61	107	155984	313.59	ug/ml#	92

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

Quantitation Report

Data File : c:\hpchem\1\data\02099a02.d
Acq On : 9 Feb 99 10:30 am
Sample : 160 GCMS STD
Misc : OLM QB1 FY99 P #99118
Quant Time: Feb 10 8:38 1999

Vial: 2
Operator: ESAT
Inst : 5988
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\01289A01.M
Title : semivolatiles
Last Update : Thu Jan 28 14:35:49 1999
Response via : Single Level Calibration

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
33)	2-METHYLNAPHTHALENE	22.97	142	148723	143.48	ug/ml	94
35)	HEXACHLOROCYCLOPENTADIENE	23.46	237	48418	192.69	ug/ml	99
36)	2,4,6-TRICHLOROPHENOL	24.00	196	83950	291.64	ug/ml	97
37)	2,4,5-TRICHLOROPHENOL	24.13	196	47618	163.94	ug/ml	97
39)	2-CHLORONAPHTHALENE	24.64	162	137360	150.12	ug/ml	95
40)	2-NITROANILINE	25.13	138	55223	157.57	ug/ml#	77
41)	DIMETHYLPHTHALATE	25.72	163	163655	147.22	ug/ml#	89
42)	ACENAPHTHYLENE	26.05	152	216744	149.69	ug/ml#	96
43)	2,6-DINITROTOLUENE	25.96	165	38075	146.78	ug/ml#	88
44)	3-NITROANILINE	26.57	65	85177	189.89	ug/ml	88
45)	ACENAPHTHENE	26.64	154	119298	148.75	ug/ml	94
46)	2,4-DINITROPHENOL	26.92	184	49131	452.55	ug/ml#	71
47)	DIBENZOFURAN	27.26	168	190310	147.19	ug/ml	94
48)	4-NITROPHENOL	27.31	65	96430	466.93	ug/ml#	59
49)	2,4-DINITROTOLUENE	27.34	165	50852	146.03	ug/ml#	86
50)	DIETHYLPHTHALATE	28.16	149	174815	152.11	ug/ml	99
51)	FLUORENE	28.41	166	139774	147.41	ug/ml	91
52)	4-CHLOROPHENYL-PHENYLETHER	28.43	204	67940	142.45	ug/ml	94
53)	4-NITROANILINE	28.78	65	75906	184.70	ug/ml	95
55)	4,6-DINITRO-2-METHYLPHENOL	28.74	198	59879	375.70	ug/ml	99
56)	N-NITROSODIPHENYLAMINE	28.90	169	94459	159.73	ug/ml	98
57)	DIPHENYLHYDRAZINE(AZOBENZE	28.99	77	252858	190.89	ug/ml	92
59)	4-BROMOPHENYL-PHENYLETHER	30.12	248	42885	140.13	ug/ml	88
60)	BHC ISOMER (ALPHA)	30.16	181	30755	169.61	ug/ml	98
61)	HEXACHLOROBENZENE	30.27	284	50688	146.00	ug/ml	99
62)	BHC ISOMER (BETA)	30.98	181	23837	162.27	ug/mlm	98
63)	PENTACHLOROPHENOL	31.03	266	61808	516.64	ug/ml	94
64)	LINDANE-BHC ISOMER (GAMA)	31.17	181	26307	179.09	ug/ml	95
65)	PHENANTHRENE	31.73	178	190795	152.07	ug/ml	98
66)	ANTHRACENE	31.91	178	194811	157.13	ug/ml	99
67)	BHC ISOMER (DELTA)	32.03	181	24458	173.87	ug/ml	91
68)	CARBAZOLE	32.52	167	192297	161.79	ug/ml	98
69)	HEPTACHLOR	33.29	100	43101	176.07	ug/ml#	68
70)	DIBUTYLPHTHALATE	33.69	149	298364	168.50	ug/ml	99
71)	ALDRIN	34.34	66	45733	172.99	ug/ml	99
72)	HEPTACHLOR EPOXIDE	35.41	81	30550	189.11	ug/ml	92
73)	FLUORANTHENE	35.79	202	209257	140.62	ug/ml#	94
75)	PYRENE	36.57	202	207145	149.04	ug/ml#	92
76)	ENDOSULFAN I	36.49	195	6165	190.87	ug/ml#	82
77)	P,P-DDE	36.89	246	49227	162.79	ug/ml	97
79)	DIELDRIN	37.21	79	56165	201.48	ug/ml#	90
80)	ENDRIN	37.80	81	17444	193.32	ug/ml#	79
81)	ENDOSULFAN II	38.11	195	7009	194.51	ug/ml#	82

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

Quantitation Report

Data File : c:\hpchem\1\data\02099a02.d
Acq On : 9 Feb 99 10:30 am
Sample : 160 GCMS STD
Misc : OLM QB1 FY99 P #99118
Quant Time: Feb 10 8:38 1999

Vial: 2
Operator: ESAT
Inst : 5988
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\01289A01.M
Title : semivolatiles
Last Update : Thu Jan 28 14:35:49 1999
Response via : Single Level Calibration

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
82)	P,P-DDD	38.05	235	84936	151.81	ug/ml	95
83)	BUTYLBENZYLPHTHALATE	38.82	149	132225	182.88	ug/ml	95
84)	P,P-DDT	39.06	235	74873	161.22	ug/ml	91
85)	ENDOSULFAN SULFATE	39.13	272	15541	164.64	ug/ml	90
86)	METHOXYCHLOR	40.46	227	138875	161.93	ug/ml	99
87)	ENDRIN KETONE	40.44	67	24537	176.38	ug/ml#	59
88)	3,3-DICHCHLOROBENZIDINE	40.63	252	74915	148.41	ug/ml	96
89)	BENZ(A)ANTHRACENE	40.64	228	204292	153.97	ug/ml	96
90)	CHRYSENE	40.77	228	190830	152.93	ug/ml	96
91)	BIS(2-ETHYLHEXYL)PHTHALATE	40.72	149	181878	180.13	ug/ml	99
93)	DI-N-OCTYLPHTHALATE	42.96	149	306302	168.49	ug/ml	97
94)	BENZO(B)FLUORANTHENE	44.49	252	223832	157.62	ug/ml#	92
95)	BENZO(K)FLUORANTHENE	44.62	252	198117	140.97	ug/ml#	94
96)	BENZO(A)PYRENE	45.89	252	194835	147.41	ug/ml#	90
97)	INDENO(1,2,3-CD)PYRENE	51.85	276	83826	66.32	ug/ml#	71
98)	DIBENZO(A,H)ANTHRACENE	52.01	278	99189	76.06	ug/mlm	91
99)	BENZO(GHI)PERYLENE	53.59	276	70249	57.43	ug/mlm	72

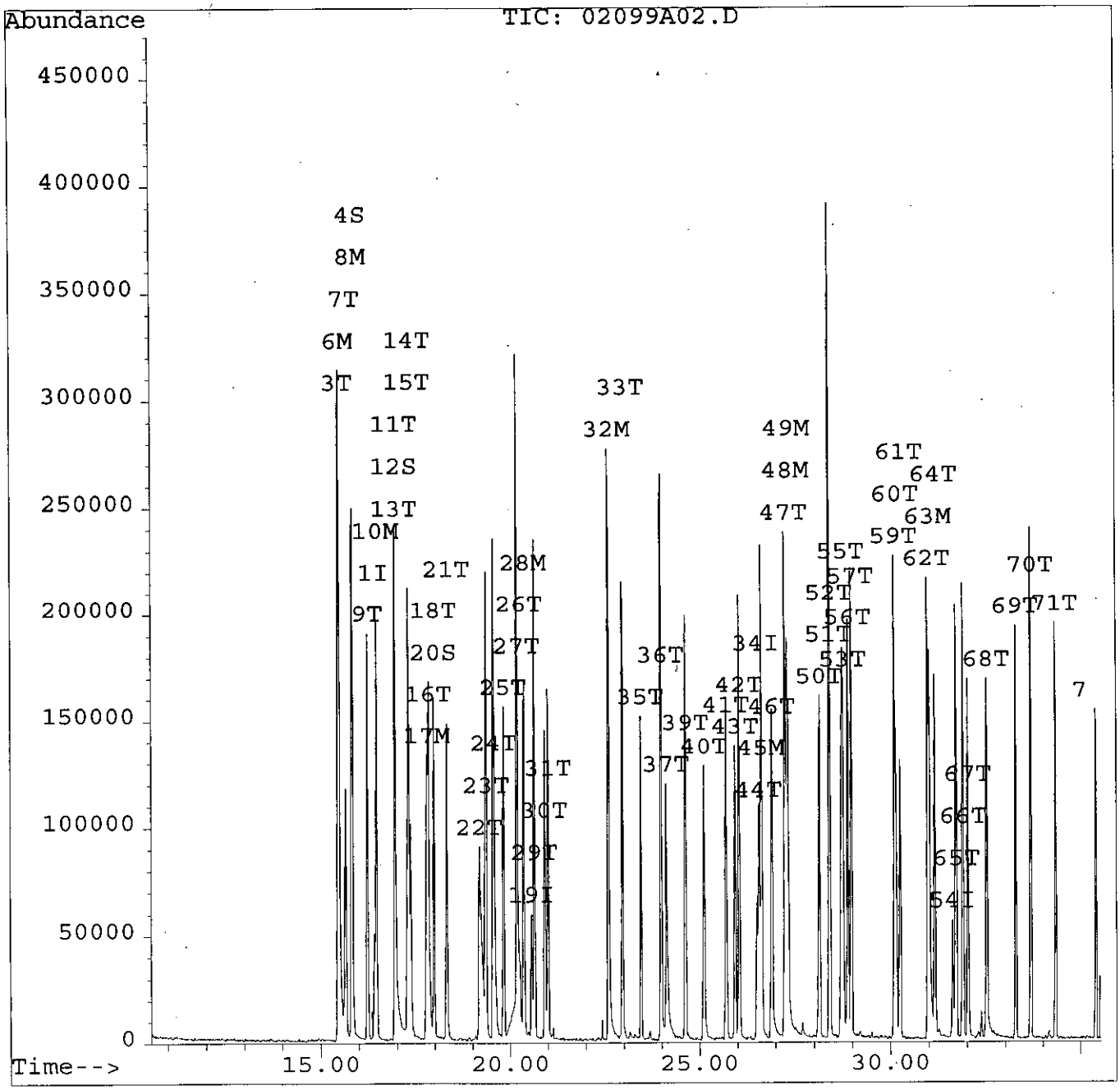
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : c:\hpchem\1\data\02099a02.d
Acq On : 9 Feb 99 10:30 am
Sample : 160 GCMS STD
Misc : OLM QB1 FY99 P #99118
Quant Time: Feb 10 8:38 1999

Vial: 2
Operator: ESAT
Inst : 5988
Multiplr: 1.00

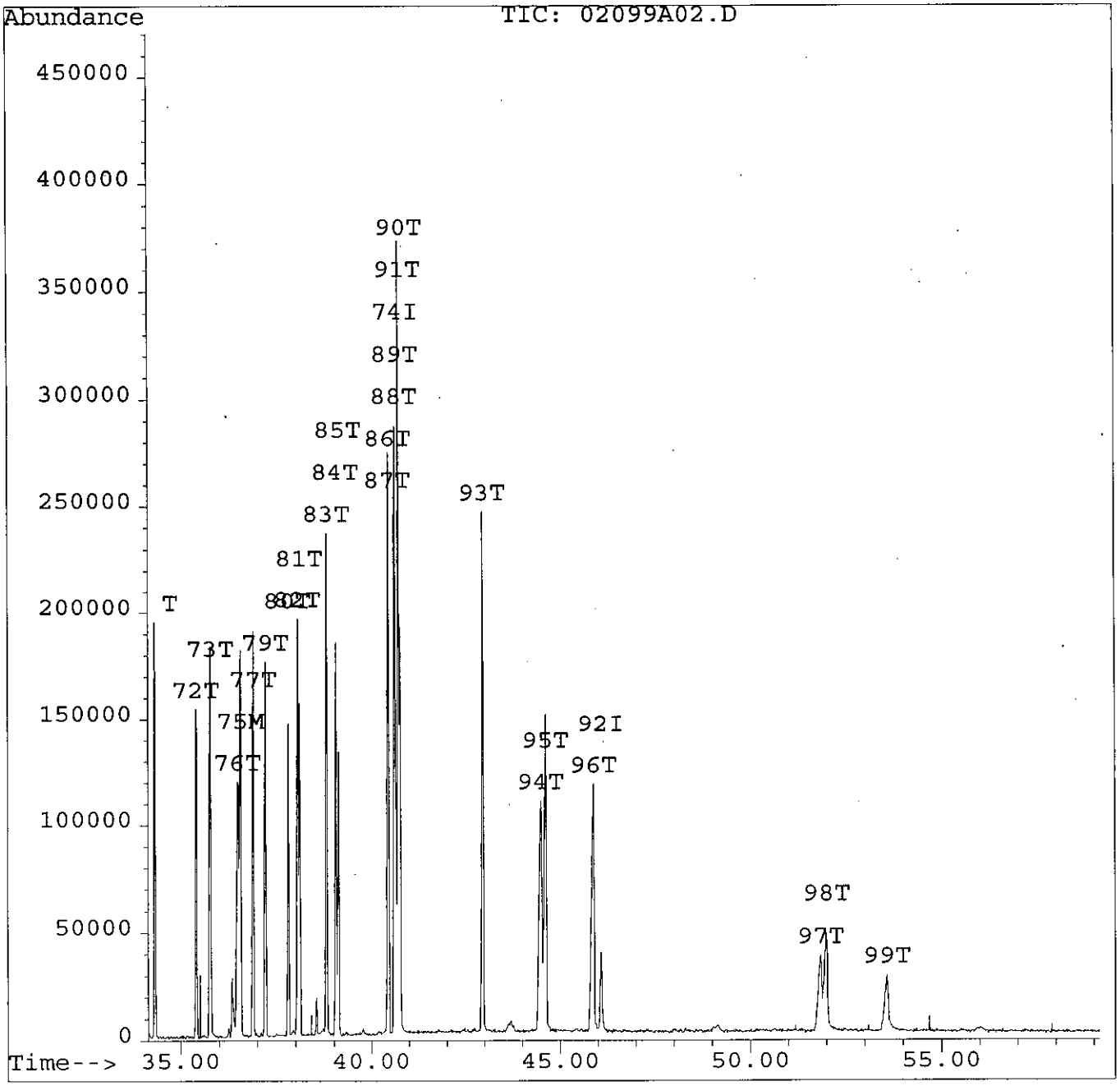
Method : C:\HPCHEM\1\METHODS\01289A01.M
Title : semivolatiles
Last Update : Thu Jan 28 14:35:49 1999
Response via : Single Level Calibration



Data File : c:\hpchem\1\data\02099a02.d
Acq On : 9 Feb 99 10:30 am
Sample : 160 GCMS STD
Misc : OLM QB1 FY99 P #99118
Quant Time: Feb 10 8:38 1999

Vial: 2
Operator: ESAT
Inst : 5988
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\01289A01.M
Title : semivolatiles
Last Update : Thu Jan 28 14:35:49 1999
Response via : Single Level Calibration



Quantitation Report

Data File : c:\hpchem\1\data\02099a03.d
Acq On : 9 Feb 99 11:38 am
Sample : 100 GCMS STD
Misc : OLM QB1 FY99 P #99118
Quant Time: Feb 10 8:37 1999

Vial: 3
Operator: ESAT
Inst : 5988
Multiplr: 1.00

Method : c:\HPCHEM\1\METHODS\01289A01.M
Title : semivolatiles
Last Update : Thu Jan 28 14:35:49 1999
Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DICHLOROBENZENE-D4	16.41	150	25636	40.00	ug/ml	0.00
19) NAPHTHALENE-D8	20.57	136	57132	40.00	ug/ml	0.00
34) ACENAPHTHENE-D10	26.51	164	26955	40.00	ug/ml	-0.01
54) PHENANTHRENE-D10	31.63	188	49911	40.00	ug/ml	0.00
74) CHRYSENE-D12	40.65	240	45260	40.00	ug/ml	-0.03
92) PERYLENE-D12	46.08	264	43522	40.00	ug/ml	-0.04
System Monitoring Compounds						%Recovery
2) FLUOROPHENOL	12.54	112	107129	213.65	ug/ml	106.83%
4) PHENOL-D5	15.44	99	146715	216.59	ug/ml	108.29%
5) 2-CHLOROPHENOL-D4	15.76	132	108859	205.64	ug/ml	102.82%
12) 1,2-DICHLOROBENZENE-D4	16.90	150	60172	98.66	ug/ml	98.66%
20) NITROBENZENE-D5	18.26	82	74550	98.45	ug/ml	98.45%
38) FLUOROBIPHENYL	24.24	172	94215	96.53	ug/ml	96.53%
58) 2,4,6-TRIBROMOPHENOL	29.26	330	36222	247.74	ug/ml	123.87%
78) P-TERPHENYL-D14	37.10	244	112530	96.74	ug/ml	96.74%
Target Compounds						Qvalue
3) ANILINE	15.48	93	80447	157.70	ug/ml#	1
6) PHENOL	15.48	94	140671	206.36	ug/ml#	70
7) BIS(2-CHLOROETHYL) ETHER	15.67	93	70073	111.23	ug/ml	98
8) 2-CHLOROPHENOL	15.82	128	105550	210.67	ug/ml	90
9) 1,3-DICHLOROBENZENE	16.22	146	56376	103.16	ug/ml	96
10) 1,4-DICHLOROBENZENE	16.46	146	59431	107.04	ug/ml	97
11) BENZYL ALCOHOL	16.95	79	42697	89.61	ug/ml	95
13) 1,2-DICHLOROBENZENE	16.95	146	53342	100.94	ug/ml	96
14) 2-METHYLPHENOL	17.31	108	45806	98.19	ug/ml#	82
15) BIS(2-CHLOROISOPROPYL)ETHE	17.30	45	70008	62.19	ug/ml#	57
16) 4-METHYLPHENOL	17.83	107	63858	96.69	ug/ml	95
17) N-NITROSODIPROPYLAMINE	17.79	70	51108	105.52	ug/ml	98
18) HEXACHLOROETHANE	17.98	117	26863	103.48	ug/ml	94
21) NITROBENZENE	18.33	77	77112	96.05	ug/ml	94
22) ISOPHORONE	19.14	82	128925	99.57	ug/ml	99
23) 2-NITROPHENOL	19.35	139	59784	194.56	ug/ml	96
24) 2,4-DIMETHYLPHENOL	19.55	107	105165	211.99	ug/ml	93
25) BIS(2-CHLOROETHOXY)METHANE	19.81	93	83664	96.73	ug/ml	97
26) BENZOIC ACID	20.18	105	41692	262.69	ug/ml	97
27) 2,4-DICHLOROPHENOL	20.18	162	82437	177.63	ug/ml	94
28) 1,2,4-TRICHLOROBENZENE	20.37	180	41984	85.55	ug/ml	97
29) NAPHTHALENE	20.64	128	144651	89.35	ug/ml	99
30) 4-CHLOROANILINE	20.92	127	58897	110.30	ug/ml	99
31) HEXACHLOROBUTADIENE	21.00	225	25552	84.89	ug/ml	95
32) 4-CHLORO-3-METHYLPHENOL	22.60	107	95888	197.60	ug/ml	89

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

Quantitation Report

Data File : c:\hpchem\1\data\02099a03.d
Acq On : 9 Feb 99 11:38 am
Sample : 100 GCMS STD
Misc : OLM QB1 FY99 P #99118
Quant Time: Feb 10 8:37 1999

Vial: 3
Operator: ESAT
Inst : 5988
Multiplr: 1.00

Method : c:\HPCHEM\1\METHODS\01289A01.M
Title : semivolatiles
Last Update : Thu Jan 28 14:35:49 1999
Response via : Single Level Calibration

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
33)	2-METHYLNAPHTHALENE	22.97	142	92093	91.07	ug/ml	96
35)	HEXACHLOROCYCLOPENTADIENE	23.46	237	28588	119.01	ug/ml	95
36)	2,4,6-TRICHLOROPHENOL	23.99	196	54062	196.46	ug/ml	98
37)	2,4,5-TRICHLOROPHENOL	24.14	196	26572	95.70	ug/ml	87
39)	2-CHLORONAPHTHALENE	24.63	162	85716	97.99	ug/ml	97
40)	2-NITROANILINE	25.12	138	33633	100.38	ug/ml	94
41)	DIMETHYLPHTHALATE	25.70	163	102781	96.72	ug/ml#	92
42)	ACENAPHTHYLENE	26.05	152	137662	99.45	ug/ml	97
43)	2,6-DINITROTOLUENE	25.93	165	24078	97.09	ug/ml#	82
44)	3-NITROANILINE	26.56	65	47868	111.63	ug/ml	89
45)	ACENAPHTHENE	26.64	154	74327	96.94	ug/ml	95
46)	2,4-DINITROPHENOL	26.91	184	30628	295.11	ug/ml	96
47)	DIBENZOFURAN	27.24	168	120247	97.29	ug/ml	96
48)	4-NITROPHENOL	27.28	65	53682	271.91	ug/ml#	64
49)	2,4-DINITROTOLUENE	27.32	165	32675	98.15	ug/ml#	88
50)	DIETHYLPHTHALATE	28.13	149	109066	99.27	ug/ml	99
51)	FLUORENE	28.41	166	90608	99.96	ug/ml	96
52)	4-CHLOROPHENYL-PHENYLETHER	28.43	204	42886	94.06	ug/ml#	85
53)	4-NITROANILINE	28.73	65	39670	100.97	ug/ml	93
55)	4,6-DINITRO-2-METHYLPHENOL	28.72	198	37734	231.79	ug/ml	88
56)	N-NITROSODIPHENYLAMINE	28.89	169	58851	97.43	ug/ml	99
57)	DIPHENYLHYDRAZINE(AZOBENZE	28.97	77	150940	111.56	ug/ml	94
59)	4-BROMOPHENYL-PHENYLETHER	30.10	248	27097	86.69	ug/ml	91
60)	BHC ISOMER (ALPHA)	30.14	181	19014	102.66	ug/ml	95
61)	HEXACHLOROBENZENE	30.26	284	32983	93.01	ug/ml	97
62)	BHC ISOMER (BETA)	30.97	181	15565	103.73	ug/mlm	96
63)	PENTACHLOROPHENOL	31.03	266	37119	303.75	ug/ml	93
64)	LINDANE-BHC ISOMER (GAMA)	31.16	181	16612	110.71	ug/ml	93
65)	PHENANTHRENE	31.71	178	122973	95.96	ug/ml	98
66)	ANTHRACENE	31.89	178	124774	98.53	ug/ml	98
67)	BHC ISOMER (DELTA)	32.03	181	15665	109.02	ug/ml	91
68)	CARBAZOLE	32.52	167	120720	99.43	ug/ml	99
69)	HEPTACHLOR	33.29	100	26626	106.48	ug/ml#	55
70)	DIBUTYLPHTHALATE	33.68	149	183141	101.25	ug/ml	99
71)	ALDRIN	34.34	66	27689	102.54	ug/ml	96
72)	HEPTACHLOR EPOXIDE	35.41	81	18322	111.03	ug/ml	91
73)	FLUORANTHENE	35.77	202	134272	88.34	ug/ml#	95
75)	PYRENE	36.56	202	133984	96.99	ug/ml#	90
76)	ENDOSULFAN I	36.49	195	4039	125.81	ug/ml#	78
77)	P,P-DDE	36.89	246	30473	101.38	ug/ml	95
79)	DIELDRIN	37.20	79	32945	118.91	ug/ml#	88
80)	ENDRIN	37.80	81	11465	127.83	ug/ml#	77
81)	ENDOSULFAN II	38.11	195	4688	130.89	ug/ml#	80

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

Data File : c:\hpchem\1\data\02099a03.d
Acq On : 9 Feb 99 11:38 am
Sample : 100 GCMS STD
Misc : OLM QB1 FY99 P #99118
Quant Time: Feb 10 8:37 1999

Vial: 3
Operator: ESAT
Inst : 5988
Multiplr: 1.00

Method : c:\HPCHEM\1\METHODS\01289A01.M
Title : semivolatiles
Last Update : Thu Jan 28 14:35:49 1999
Response via : Single Level Calibration

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
82)	P,P-DDD	38.05	235	54034	97.17	ug/ml	92
83)	BUTYLBENZYLPHTHALATE	38.81	149	80508	112.03	ug/ml	96
84)	P,P-DDT	39.04	235	45322	98.19	ug/ml	94
85)	ENDOSULFAN SULFATE	39.11	272	9936	105.90	ug/ml	93
86)	METHOXYCHLOR	40.44	227	88856	104.24	ug/ml	99
87)	ENDRIN KETONE	40.44	67	14315	103.53	ug/ml#	44
88)	3,3-DICHCHLOROBENZIDINE	40.61	252	44472	88.64	ug/ml	97
89)	BENZ(A)ANTHRACENE	40.62	228	129262	98.02	ug/ml	95
90)	CHRYSENE	40.75	228	122362	98.66	ug/ml	97
91)	BIS(2-ETHYLHEXYL)PHTHALATE	40.72	149	115886	115.47	ug/ml	99
93)	DI-N-OCTYLPHTHALATE	42.94	149	192004	102.16	ug/ml	98
94)	BENZO(B)FLUORANTHENE	44.48	252	129179	87.99	ug/ml#	92
95)	BENZO(K)FLUORANTHENE	44.59	252	126535	87.09	ug/ml#	93
96)	BENZO(A)PYRENE	45.86	252	126099	92.28	ug/ml#	91
97)	INDENO(1,2,3-CD)PYRENE	51.85	276	81425	62.32	ug/mlm	94
98)	DIBENZO(A,H)ANTHRACENE	52.00	278	97557	72.35	ug/mlm	92
99)	BENZO(GHI)PERYLENE	53.59	276	70546	55.79	ug/mlm	66

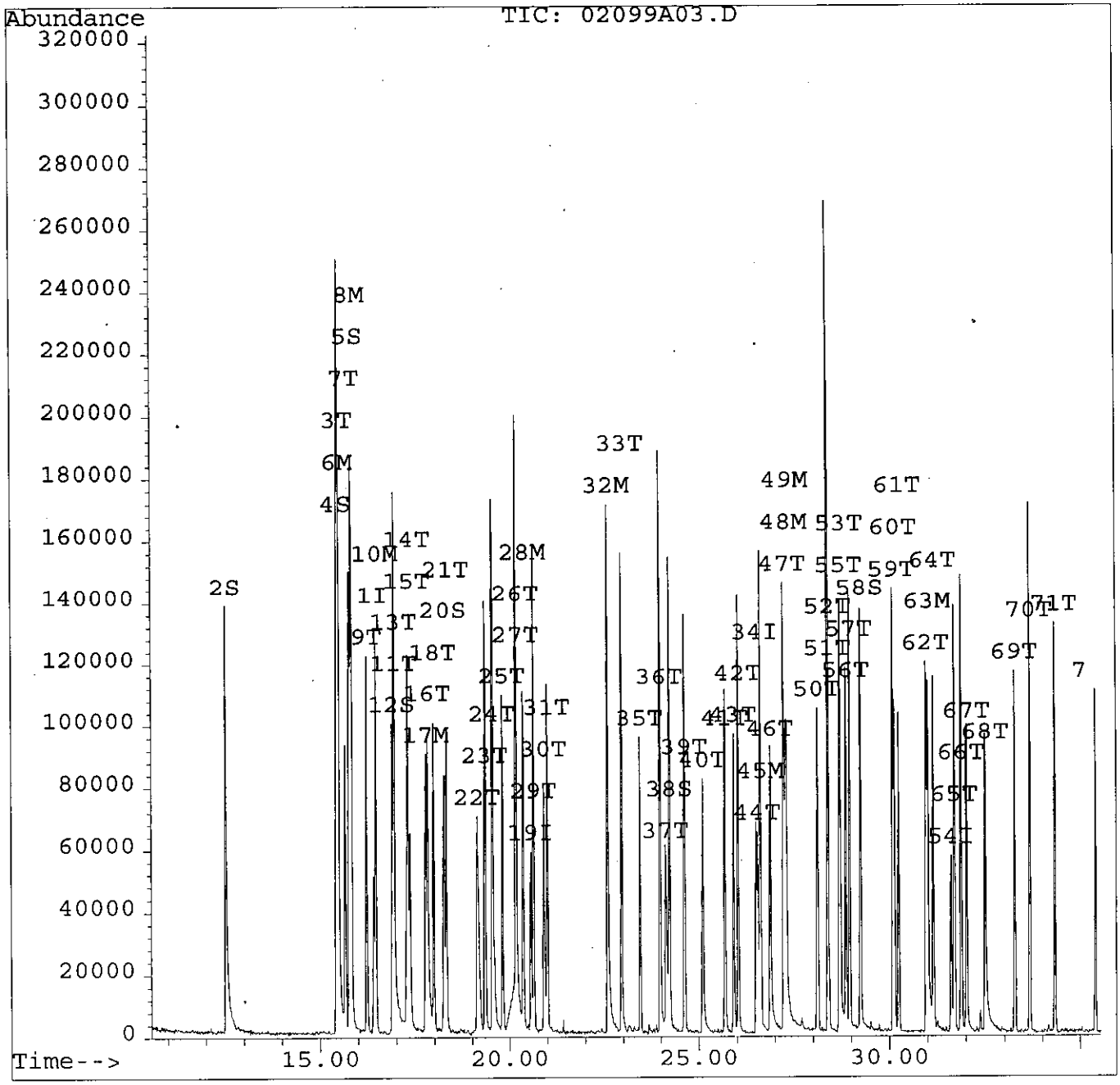
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : c:\hpchem\1\data\02099a03.d
Acq On : 9 Feb 99 11:38 am
Sample : 100 GCMS STD
Misc : OLM QB1 FY99 P #99118
Quant Time: Feb 10 8:37 1999

Vial: 3
Operator: ESAT
Inst : 5988
Multiplr: 1.00

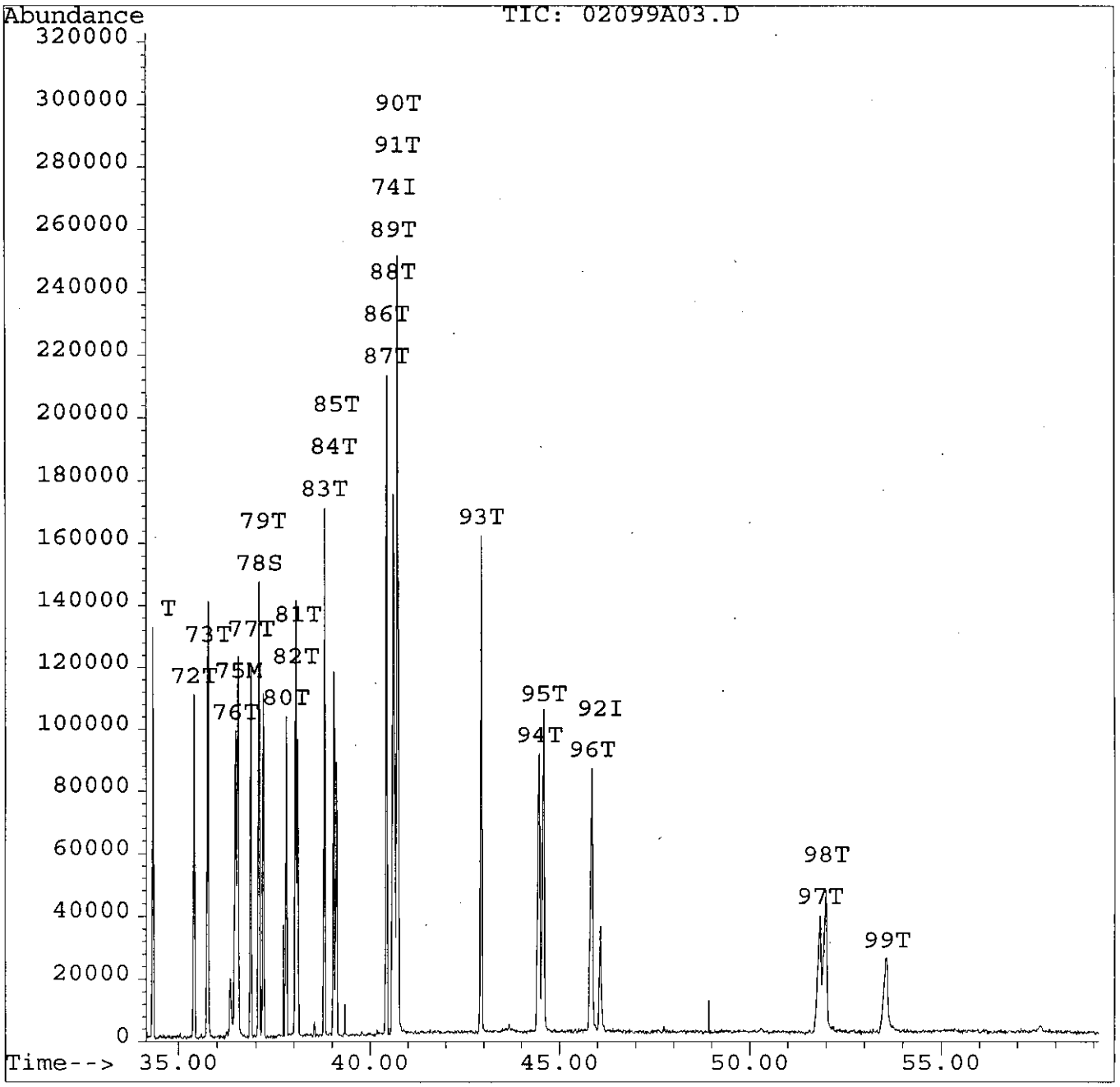
Method : c:\HPCHEM\1\METHODS\01289A01.M
Title : semivolatiles
Last Update : Thu Jan 28 14:35:49 1999
Response via : Single Level Calibration



Data File : c:\hpchem\1\data\02099a03.d
Acq On : 9 Feb 99 11:38 am
Sample : 100 GCMS STD
Misc : OLM QB1 FY99 P #99118
Quant Time: Feb 10 8:37 1999

Vial: 3
Operator: ESAT
Inst : 5988
Multiplr: 1.00

Method : c:\HPCHEM\1\METHODS\01289A01.M
Title : semivolatiles
Last Update : Thu Jan 28 14:35:49 1999
Response via : Single Level Calibration



Quantitation Report

Data File : c:\hpchem\1\data\02099a04.d
Acq On : 9 Feb 99 12:47 pm
Sample : 50 GCMS STD
Misc : OLM QB1 FY99 P #99118
Quant Time: Feb 10 8:36 1999

Vial: 4
Operator: ESAT
Inst : 5988
Multiplr: 1.00

Method : c:\HPCHEM\1\METHODS\01289A01.M
Title : semivolatiles
Last Update : Thu Jan 28 14:35:49 1999
Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DICHLOROBENZENE-D4	16.41	150	26891	40.00	ug/ml	0.00
19) NAPHTHALENE-D8	20.55	136	54527	40.00	ug/ml	-0.01
34) ACENAPHTHENE-D10	26.52	164	26219	40.00	ug/ml	-0.01
54) PHENANTHRENE-D10	31.61	188	48792	40.00	ug/ml	-0.01
74) CHRYSENE-D12	40.65	240	43678	40.00	ug/ml	-0.03
92) PERYLENE-D12	46.06	264	39192	40.00	ug/ml	-0.06
System Monitoring Compounds						%Recovery
2) FLUOROPHENOL	12.54	112	48921	93.01	ug/ml	46.51%
4) PHENOL-D5	15.40	99	70131	98.70	ug/ml	49.35%
5) 2-CHLOROPHENOL-D4	15.75	132	53196	95.80	ug/ml	47.90%
12) 1,2-DICHLOROBENZENE-D4	16.90	150	30153	47.13	ug/ml	47.13%
20) NITROBENZENE-D5	18.25	82	36023	49.85	ug/ml	49.85%
38) FLUOROBIPHENYL	24.23	172	45506	47.93	ug/ml	47.93%
58) 2,4,6-TRIBROMOPHENOL	29.25	330	17264	120.79	ug/ml	60.39%
78) P-TERPHENYL-D14	37.09	244	55154	49.13	ug/ml	49.13%
Target Compounds						Qvalue
3) ANILINE	15.46	93	39861	74.49	ug/ml#	28
6) PHENOL	15.44	94	69765	97.57	ug/ml#	76
7) BIS(2-CHLOROETHYL) ETHER	15.62	93	32335	48.93	ug/ml	91
8) 2-CHLOROPHENOL	15.81	128	50192	95.50	ug/ml	96
9) 1,3-DICHLOROBENZENE	16.21	146	27913	48.69	ug/ml	96
10) 1,4-DICHLOROBENZENE	16.46	146	27864	47.85	ug/ml	95
11) BENZYL ALCOHOL	16.94	79	19392	38.80	ug/ml	94
13) 1,2-DICHLOROBENZENE	16.94	146	26713	48.19	ug/ml	94
14) 2-METHYLPHENOL	17.32	108	22886	46.77	ug/ml#	81
15) BIS(2-CHLOROISOPROPYL)ETHE	17.29	45	32627	27.63	ug/ml#	78
16) 4-METHYLPHENOL	17.82	107	33073	47.74	ug/ml	95
17) N-NITROSODIPROPYLAMINE	17.75	70	23401	46.06	ug/ml	89
18) HEXACHLOROETHANE	17.99	117	13846	50.85	ug/ml	93
21) NITROBENZENE	18.31	77	35324	46.10	ug/ml#	87
22) ISOPHORONE	19.09	82	62492	50.57	ug/ml	97
23) 2-NITROPHENOL	19.34	139	27100	92.41	ug/ml	90
24) 2,4-DIMETHYLPHENOL	19.54	107	53091	112.13	ug/ml	96
25) BIS(2-CHLOROETHOXY)METHANE	19.80	93	38103	46.16	ug/ml	94
26) BENZOIC ACID	20.08	105	17190	113.48	ug/ml#	77
27) 2,4-DICHLOROPHENOL	20.16	162	40207	90.77	ug/ml	96
28) 1,2,4-TRICHLOROBENZENE	20.36	180	20081	42.87	ug/ml	92
29) NAPHTHALENE	20.62	128	71764	46.45	ug/ml	98
30) 4-CHLOROANILINE	20.90	127	25930	50.88	ug/ml#	90
31) HEXACHLOROBUTADIENE	21.00	225	13254	46.14	ug/ml	93
32) 4-CHLORO-3-METHYLPHENOL	22.59	107	46324	100.02	ug/ml#	89

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

Quantitation Report

Data File : c:\hpchem\1\data\02099a04.d
Acq On : 9 Feb 99 12:47 pm
Sample : 50 GCMS STD
Misc : OLM QB1 FY99 P #99118
Quant Time: Feb 10 8:36 1999

Vial: 4
Operator: ESAT
Inst : 5988
Multiplr: 1.00

Method : c:\HPCHEM\1\METHODS\01289A01.M
Title : semivolatiles
Last Update : Thu Jan 28 14:35:49 1999
Response via : Single Level Calibration

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
33)	2-METHYLNAPHTHALENE	22.96	142	45397	47.04	ug/ml	95
35)	HEXACHLOROCYCLOPENTADIENE	23.46	237	13844	59.25	ug/ml	96
36)	2,4,6-TRICHLOROPHENOL	23.98	196	25965	97.00	ug/ml	95
37)	2,4,5-TRICHLOROPHENOL	24.16	196	13520	50.06	ug/ml	91
39)	2-CHLORONAPHTHALENE	24.62	162	42891	50.41	ug/ml	93
40)	2-NITROANILINE	25.11	138	15724	48.25	ug/ml	89
41)	DIMETHYLPHTHALATE	25.69	163	51385	49.71	ug/ml	94
42)	ACENAPHTHYLENE	26.04	152	69620	51.71	ug/ml	98
43)	2,6-DINITROTOLUENE	25.92	165	11752	48.72	ug/ml	94
44)	3-NITROANILINE	26.54	65	19696	47.22	ug/ml	98
45)	ACENAPHTHENE	26.63	154	36572	49.04	ug/ml	97
46)	2,4-DINITROPHENOL	26.88	184	13560	134.32	ug/ml	90
47)	DIBENZOFURAN	27.23	168	60156	50.04	ug/ml	100
48)	4-NITROPHENOL	27.27	65	24155	125.78	ug/ml#	62
49)	2,4-DINITROTOLUENE	27.30	165	15347	47.39	ug/ml#	72
50)	DIETHYLPHTHALATE	28.11	149	54004	50.53	ug/ml	98
51)	FLUORENE	28.40	166	45202	51.27	ug/ml	90
52)	4-CHLOROPHENYL-PHENYLETHER	28.41	204	21323	48.08	ug/ml	89
53)	4-NITROANILINE	28.69	65	16721	43.75	ug/ml#	74
55)	4,6-DINITRO-2-METHYLPHENOL	28.68	198	17429	109.52	ug/ml	89
56)	N-NITROSODIPHENYLAMINE	28.86	169	28524	48.30	ug/ml	94
57)	DIPHENYLHYDRAZINE(AZOBENZE	28.96	77	73155	55.31	ug/ml	94
59)	4-BROMOPHENYL-PHENYLETHER	30.09	248	13173	43.11	ug/ml	86
60)	BHC ISOMER (ALPHA)	30.13	181	9529	52.63	ug/ml	97
61)	HEXACHLOROBENZENE	30.24	284	16801	48.46	ug/ml	98
62)	BHC ISOMER (BETA)	30.96	181	8152	55.58	ug/mlm	92
63)	PENTACHLOROPHENOL	31.01	266	16792	140.56	ug/ml	96
64)	LINDANE-BHC ISOMER (GAMA)	31.15	181	8096	55.19	ug/ml#	91
65)	PHENANTHRENE	31.70	178	61319	48.94	ug/ml	98
66)	ANTHRACENE	31.88	178	62690	50.64	ug/ml	100
67)	BHC ISOMER (DELTA)	32.02	181	7765	55.28	ug/ml	98
68)	CARBAZOLE	32.51	167	57572	48.51	ug/ml	99
69)	HEPTACHLOR	33.27	100	13735	56.19	ug/ml#	80
70)	DIBUTYLPHTHALATE	33.66	149	90627	51.25	ug/ml	98
71)	ALDRIN	34.32	66	14090	53.38	ug/ml#	90
72)	HEPTACHLOR EPOXIDE	35.41	81	9389	58.20	ug/ml	93
73)	FLUORANTHENE	35.76	202	65381	44.00	ug/ml#	94
75)	PYRENE	36.53	202	65409	49.06	ug/ml	95
76)	ENDOSULFAN I	36.47	195	2015	65.04	ug/ml#	75
77)	P,P-DDE	36.88	246	15780	54.40	ug/ml	97
79)	DIELDRIN	37.20	79	16391	61.30	ug/ml#	82
80)	ENDRIN	37.80	81	5265	60.83	ug/ml#	62
81)	ENDOSULFAN II	38.09	195	2015	58.30	ug/ml#	87

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

Data File : c:\hpchem\1\data\02099a04.d
Acq On : 9 Feb 99 12:47 pm
Sample : 50 GCMS STD
Misc : OLM QB1 FY99 P #99118
Quant Time: Feb 10 8:36 1999

Vial: 4
Operator: ESAT
Inst : 5988
Multiplr: 1.00

Method : c:\HPCHEM\1\METHODS\01289A01.M
Title : semivolatiles
Last Update : Thu Jan 28 14:35:49 1999
Response via : Single Level Calibration

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
82)	P,P-DDD	38.04	235	27284	50.84	ug/ml	96
83)	BUTYLBENZYLPHTHALATE	38.79	149	38895	56.08	ug/ml	97
84)	P,P-DDT	39.04	235	23152	51.97	ug/ml#	86
85)	ENDOSULFAN SULFATE	39.11	272	4596	50.76	ug/ml	97
86)	METHOXYCHLOR	40.42	227	44782	54.44	ug/ml	99
87)	ENDRIN KETONE	40.42	67	7443	55.78	ug/ml#	62
88)	3,3-DICHCHLOROBENZIDINE	40.61	252	20533	42.41	ug/ml	93
89)	BENZ(A)ANTHRACENE	40.61	228	63455	49.86	ug/ml	96
90)	CHRYSENE	40.73	228	60155	50.26	ug/ml	97
91)	BIS(2-ETHYLHEXYL)PHTHALATE	40.70	149	58853	60.77	ug/ml	98
93)	DI-N-OCTYLPHTHALATE	42.94	149	95164	56.23	ug/ml	97
94)	BENZO(B)FLUORANTHENE	44.44	252	63482	48.02	ug/ml#	91
95)	BENZO(K)FLUORANTHENE	44.56	252	63148	48.26	ug/ml#	90
96)	BENZO(A)PYRENE	45.83	252	60343	49.04	ug/ml#	90
97)	INDENO(1,2,3-CD)PYRENE	51.83	276	53866	45.78	ug/mlm	88
98)	DIBENZO(A,H)ANTHRACENE	51.97	278	53995	44.47	ug/mlm	93
99)	BENZO(GHI)PERYLENE	53.56	276	48170	42.30	ug/mlm	72

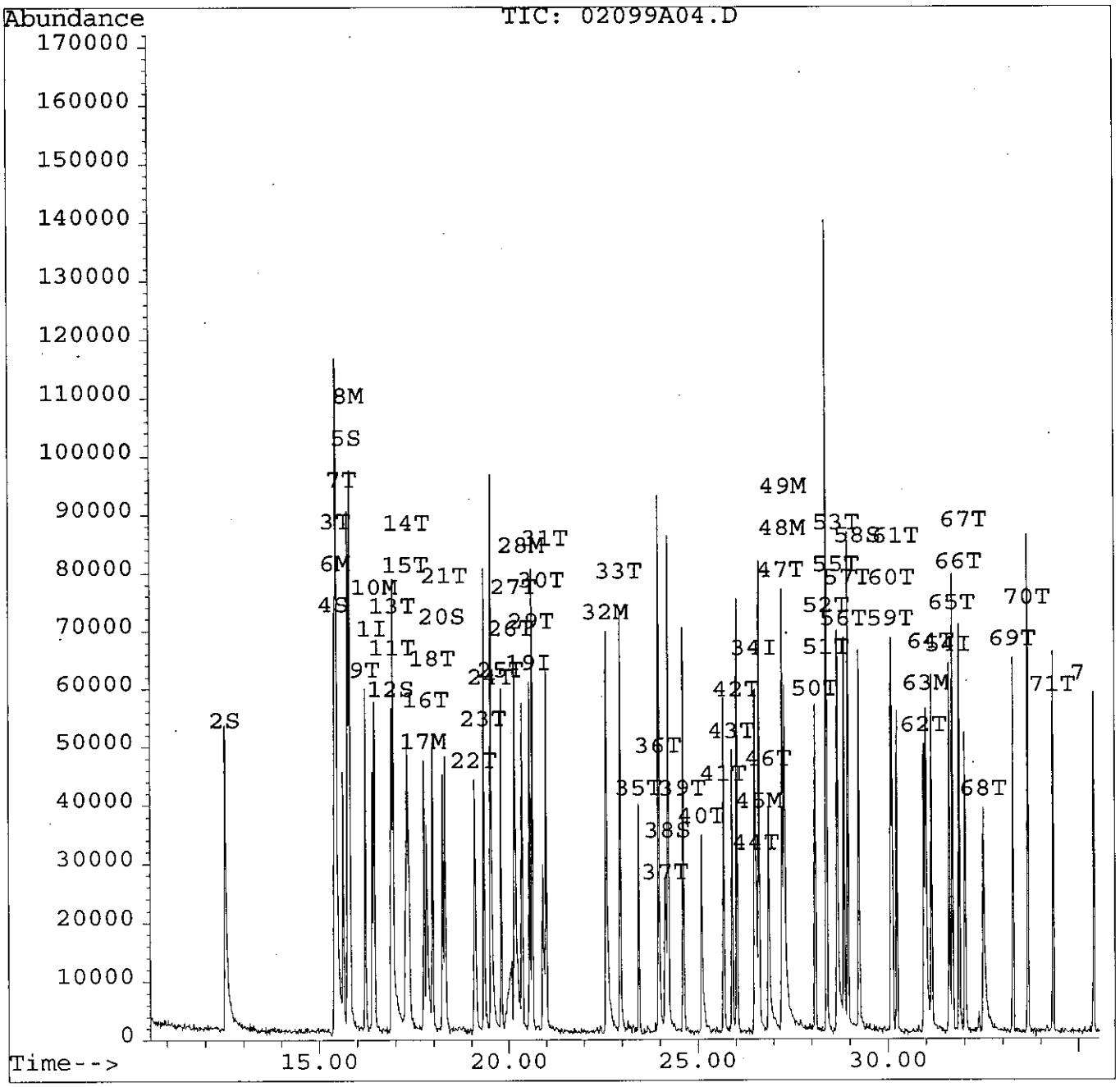
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : c:\hpchem\1\data\02099a04.d
Acq On : 9 Feb 99 12:47 pm
Sample : 50 GCMS STD
Misc : OLM QB1 FY99 P #99118
Quant Time: Feb 10 8:36 1999

Vial: 4
Operator: ESAT
Inst : 5988
Multiplr: 1.00

Method : c:\HPCHEM\1\METHODS\01289A01.M
Title : semivolatiles
Last Update : Thu Jan 28 14:35:49 1999
Response via : Single Level Calibration

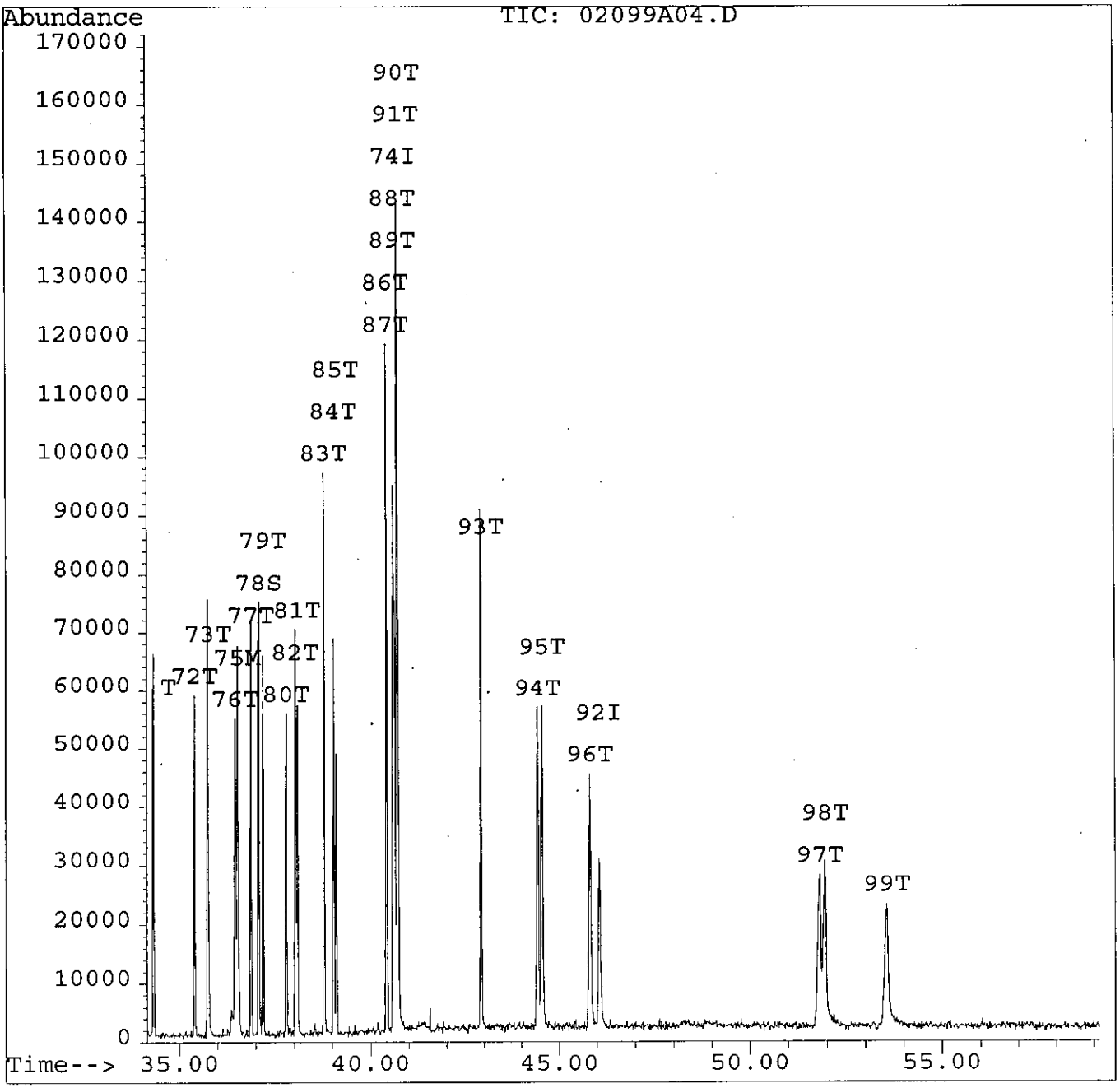


Quantitation Report

Data File : c:\hpchem\1\data\02099a04.d
Acq On : 9 Feb 99 12:47 pm
Sample : 50 GCMS STD
Misc : OLM QB1 FY99 P #99118
Quant Time: Feb 10 8:36 1999

Vial: 4
Operator: ESAT
Inst : 5988
Multiplr: 1.00

Method : c:\HPCHEM\1\METHODS\01289A01.M
Title : semivolatiles
Last Update : Thu Jan 28 14:35:49 1999
Response via : Single Level Calibration



Quantitation Report

Data File : c:\hpchem\1\data\02099a05.d
Acq On : 9 Feb 99 1:55 pm
Sample : 25 GCMS STD
Misc : OLM QB1 FY99 P #99118
Quant Time: Feb 10 8:35 1999

Vial: 5
Operator: ESAT
Inst : 5988
Multiplr: 1.00

Method : c:\HPCHEM\1\METHODS\01289A01.M
Title : semivolatiles
Last Update : Thu Jan 28 14:35:49 1999
Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DICHLOROBENZENE-D4	16.41	150	22504	40.00	ug/ml	0.00
19) NAPHTHALENE-D8	20.55	136	49456	40.00	ug/ml	-0.01
34) ACENAPHTHENE-D10	26.50	164	24640	40.00	ug/ml	-0.03
54) PHENANTHRENE-D10	31.61	188	44534	40.00	ug/ml	-0.02
74) CHRYSENE-D12	40.63	240	39387	40.00	ug/ml	-0.05
92) PERYLENE-D12	46.08	264	35721	40.00	ug/ml	-0.05
System Monitoring Compounds						%Recovery
2) FLUOROPHENOL	12.54	112	22952	52.15	ug/ml	26.07%
4) PHENOL-D5	15.40	99	32111	54.00	ug/ml	27.00%
5) 2-CHLOROPHENOL-D4	15.75	132	25113	54.04	ug/ml	27.02%
12) 1,2-DICHLOROBENZENE-D4	16.89	150	14863	27.76	ug/ml	27.76%
20) NITROBENZENE-D5	18.25	82	17407	26.56	ug/ml	26.56%
38) FLUOROBIPHENYL	24.22	172	22704	25.45	ug/ml	25.45%
58) 2,4,6-TRIBROMOPHENOL	29.24	330	8282	63.48	ug/ml	31.74%
78) P-TERPHENYL-D14	37.07	244	26188	25.87	ug/ml	25.87%
Target Compounds						Qvalue
3) ANILINE	15.46	93	18709	41.78	ug/ml#	62
6) PHENOL	15.44	94	31131	52.02	ug/ml#	56
7) BIS(2-CHLOROETHYL) ETHER	15.62	93	15024	27.17	ug/ml	94
8) 2-CHLOROPHENOL	15.81	128	24266	55.17	ug/ml	95
9) 1,3-DICHLOROBENZENE	16.21	146	13238	27.59	ug/ml	98
10) 1,4-DICHLOROBENZENE	16.45	146	14322	29.39	ug/ml	95
11) BENZYL ALCOHOL	16.95	79	6644	15.88	ug/ml	93
13) 1,2-DICHLOROBENZENE	16.94	146	13310	28.69	ug/ml#	89
14) 2-METHYLPHENOL	17.33	108	11250	27.47	ug/ml	93
15) BIS(2-CHLOROISOPROPYL)ETHE	17.30	45	16242	16.44	ug/ml#	82
16) 4-METHYLPHENOL	17.83	107	14551	25.10	ug/ml	92
17) N-NITROSODIPROPYLAMINE	17.73	70	11135	26.19	ug/ml	90
18) HEXACHLOROETHANE	17.98	117	6841	30.02	ug/ml#	88
21) NITROBENZENE	18.30	77	18339	26.39	ug/ml	98
22) ISOPHORONE	19.07	82	29790	26.58	ug/ml	100
23) 2-NITROPHENOL	19.34	139	12945	48.67	ug/ml#	80
24) 2,4-DIMETHYLPHENOL	19.52	107	26507	61.73	ug/ml	91
25) BIS(2-CHLOROETHOXY)METHANE	19.80	93	19079	25.48	ug/ml	97
26) BENZOIC ACID	19.99	105	8062	58.68	ug/ml#	72
27) 2,4-DICHLOROPHENOL	20.18	162	19445	48.40	ug/ml	93
28) 1,2,4-TRICHLOROBENZENE	20.36	180	9878	23.25	ug/ml	94
29) NAPHTHALENE	20.62	128	34775	24.81	ug/ml	99
30) 4-CHLOROANILINE	20.93	127	10541	22.80	ug/ml#	88
31) HEXACHLOROBUTADIENE	21.00	225	6736	25.85	ug/ml	98
32) 4-CHLORO-3-METHYLPHENOL	22.60	107	21861	52.04	ug/ml	96

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

Quantitation Report

Data File : c:\hpchem\1\data\02099a05.d
Acq On : 9 Feb 99 1:55 pm
Sample : 25 GCMS STD
Misc : OLM QB1 FY99 P #99118
Quant Time: Feb 10 8:35 1999

Vial: 5
Operator: ESAT
Inst : 5988
Multiplr: 1.00

Method : c:\HPCHEM\1\METHODS\01289A01.M
Title : semivolatiles
Last Update : Thu Jan 28 14:35:49 1999
Response via : Single Level Calibration

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
33) 2-METHYLNAPHTHALENE	22.97	142	22602	25.82 ug/ml	98
35) HEXACHLOROCYCLOPENTADIENE	23.46	237	6466	29.45 ug/ml	97
36) 2,4,6-TRICHLOROPHENOL	23.97	196	12948	51.47 ug/ml	92
37) 2,4,5-TRICHLOROPHENOL	24.17	196	6190	24.39 ug/ml	96
39) 2-CHLORONAPHTHALENE	24.62	162	20707	25.90 ug/ml	95
40) 2-NITROANILINE	25.10	138	7396	24.15 ug/ml#	71
41) DIMETHYLPHTHALATE	25.68	163	25009	25.74 ug/ml	93
42) ACENAPHTHYLENE	26.04	152	32910	26.01 ug/ml	98
43) 2,6-DINITROTOLUENE	25.91	165	5159	22.76 ug/ml	96
44) 3-NITROANILINE	26.56	65	10197	26.01 ug/ml	94
45) ACENAPHTHENE	26.61	154	17975	25.65 ug/ml	96
46) 2,4-DINITROPHENOL	26.88	184	5521	58.19 ug/ml#	71
47) DIBENZOFURAN	27.23	168	29173	25.82 ug/ml	97
48) 4-NITROPHENOL	27.32	65	10559	58.51 ug/ml#	40
49) 2,4-DINITROTOLUENE	27.30	165	8087	26.57 ug/ml	86
50) DIETHYLPHTHALATE	28.08	149	26025	25.91 ug/ml	99
51) FLUORENE	28.40	166	23061	27.83 ug/ml	87
52) 4-CHLOROPHENYL-PHENYLETHER	28.41	204	10103	24.24 ug/ml#	81
53) 4-NITROANILINE	28.85	65	9907	27.58 ug/mlm	34
55) 4,6-DINITRO-2-METHYLPHENOL	28.66	198	8227	56.64 ug/ml#	88
56) N-NITROSODIPHENYLAMINE	28.85	169	14311	26.55 ug/ml	98
57) DIPHENYLHYDRAZINE(AZOBENZE	28.96	77	35966	29.79 ug/ml	94
59) 4-BROMOPHENYL-PHENYLETHER	30.07	248	6399	22.94 ug/ml	91
60) BHC ISOMER (ALPHA)	30.12	181	4726	28.60 ug/ml	98
61) HEXACHLOROBENZENE	30.23	284	8206	25.93 ug/ml	98
62) BHC ISOMER (BETA)	30.94	181	3617	27.02 ug/mlm	96
63) PENTACHLOROPHENOL	31.00	266	7661	70.26 ug/ml	91
64) LINDANE-BHC ISOMER (GAMA)	31.14	181	4094	30.58 ug/ml	95
65) PHENANTHRENE	31.69	178	29278	25.60 ug/ml	98
66) ANTHRACENE	31.86	178	29668	26.26 ug/ml	97
67) BHC ISOMER (DELTA)	32.02	181	3664	28.58 ug/ml	95
68) CARBAZOLE	32.50	167	27529	25.41 ug/ml	99
69) HEPTACHLOR	33.27	100	6619	29.67 ug/ml#	73
70) DIBUTYLPHTHALATE	33.66	149	42581	26.38 ug/ml	96
71) ALDRIN	34.32	66	6834	28.36 ug/ml	88
72) HEPTACHLOR EPOXIDE	35.41	81	4834	32.83 ug/ml#	84
73) FLUORANTHENE	35.76	202	31218	23.02 ug/ml#	93
75) PYRENE	36.52	202	32918	27.38 ug/ml#	92
77) P,P-DDE	36.87	246	7256	27.74 ug/ml	91
79) DIELDRIN	37.20	79	8419	34.92 ug/ml#	88
80) ENDRIN	37.80	81	3071	39.35 ug/ml#	88
82) P,P-DDD	38.03	235	13068	27.00 ug/ml	95
83) BUTYLBENZYLPHTHALATE	38.79	149	19765	31.60 ug/ml	92

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

Data File : c:\hpchem\1\data\02099a05.d
Acq On : 9 Feb 99 1:55 pm
Sample : 25 GCMS STD
Misc : OLM QB1 FY99 P #99118
Quant Time: Feb 10 8:35 1999

Vial: 5
Operator: ESAT
Inst : 5988
Multiplr: 1.00

Method : c:\HPCHEM\1\METHODS\01289A01.M
Title : semivolatiles
Last Update : Thu Jan 28 14:35:49 1999
Response via : Single Level Calibration

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
84)	P,P-DDT	39.04	235	10565	26.30	ug/ml	95
85)	ENDOSULFAN SULFATE	39.11	272	2260	27.68	ug/ml	92
86)	METHOXYCHLOR	40.42	227	21219	28.60	ug/ml	98
87)	ENDRIN KETONE	40.42	67	3753	31.19	ug/ml#	72
88)	3,3-DICHCHLOROBENZIDINE	40.62	252	8943	20.48	ug/ml	98
89)	BENZ(A)ANTHRACENE	40.60	228	31037	27.04	ug/ml	96
90)	CHRYSENE	40.71	228	29646	27.47	ug/ml	98
91)	BIS(2-ETHYLHEXYL)PHTHALATE	40.70	149	27907	31.95	ug/ml	96
93)	DI-N-OCTYLPHTHALATE	42.92	149	46372	30.06	ug/ml	98
94)	BENZO(B)FLUORANTHENE	44.43	252	28450	23.61	ug/mlm	92
95)	BENZO(K)FLUORANTHENE	44.54	252	31850	26.71	ug/ml#	93
96)	BENZO(A)PYRENE	45.81	252	27260	24.31	ug/ml#	88
97)	INDENO(1,2,3-CD)PYRENE	51.78	276	23182	21.62	ug/ml#	67
98)	DIBENZO(A,H)ANTHRACENE	51.94	278	23953	21.64	ug/mlm	88
99)	BENZO(GHI)PERYLENE	53.54	276	25872	24.93	ug/mlm	67

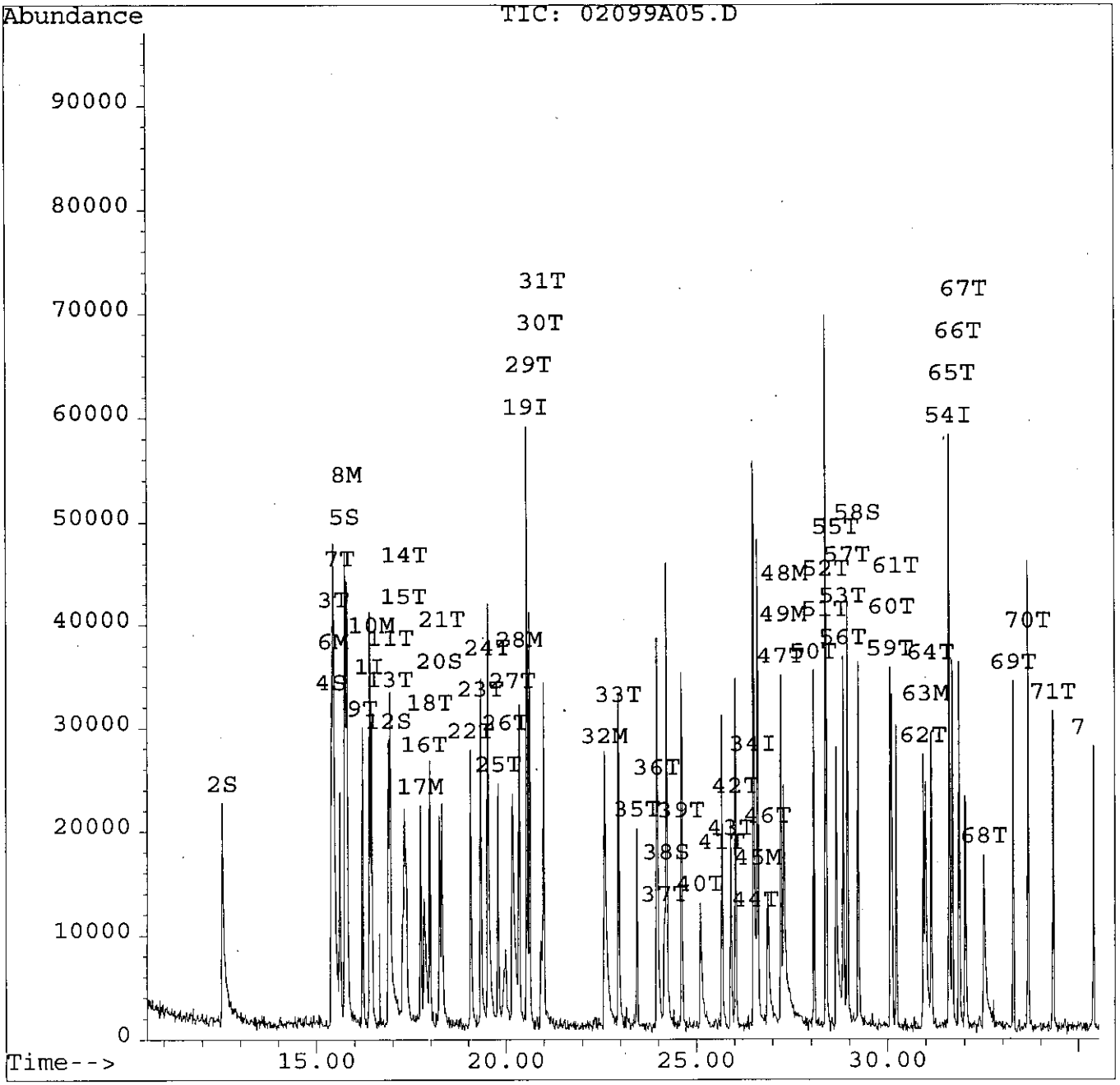
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : c:\hpchem\1\data\02099a05.d
Acq On : 9 Feb 99 1:55 pm
Sample : 25 GCMS STD
Misc : OLM QB1 FY99 P #99118
Quant Time: Feb 10 8:35 1999

Vial: 5
Operator: ESAT
Inst : 5988
Multiplr: 1.00

Method : c:\HPCHEM\1\METHODS\01289A01.M
Title : semivolatiles
Last Update : Thu Jan 28 14:35:49 1999
Response via : Single Level Calibration

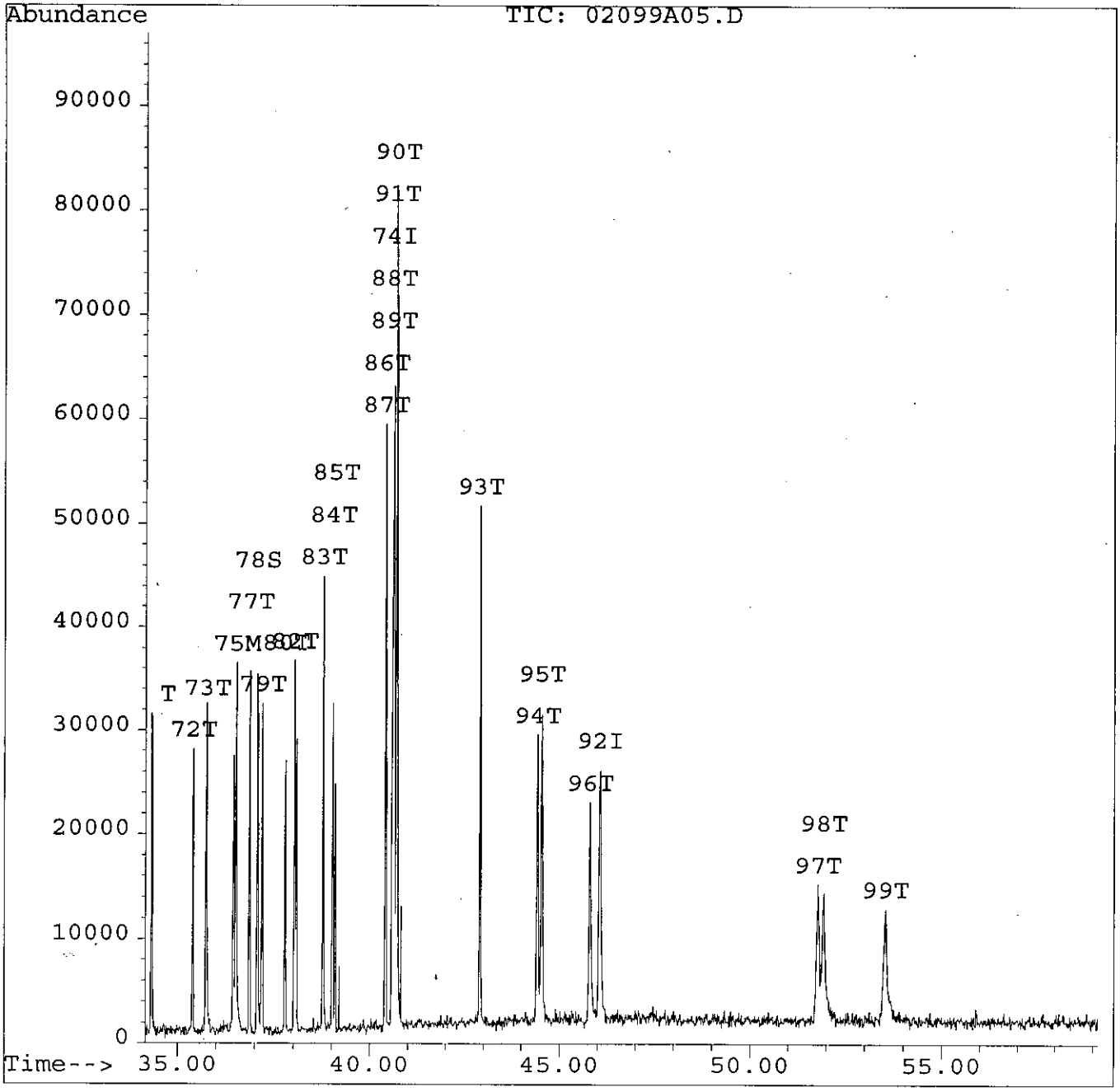


Quantitation Report

Data File : c:\hpchem\1\data\02099a05.d
Acq On : 9 Feb 99 1:55 pm
Sample : 25 GCMS STD
Misc : OLM QB1 FY99 P #99118
Quant Time: Feb 10 8:35 1999

Vial: 5
Operator: ESAT
Inst : 5988
Multiplr: 1.00

Method : c:\HPCHEM\1\METHODS\01289A01.M
Title : semivolatiles
Last Update : Thu Jan 28 14:35:49 1999
Response via : Single Level Calibration



Quantitation Report

Data File : c:\hpchem\1\data\02099a06.d Vial: 6
Acq On : 9 Feb 99 3:04 pm Operator: ESAT
Sample : 12.5 GCMS STD Inst : 5988
Misc : OLM QB1 FY99 P #99118 Multiplr: 1.00
Quant Time: Feb 10 9:07 1999

Method : c:\HPCHEM\1\METHODS\01289A01.M
Title : semivolatiles
Last Update : Thu Jan 28 14:35:49 1999
Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DICHLOROBENZENE-D4	16.41	150	21501	40.00	ug/ml	0.00
19) NAPHTHALENE-D8	20.55	136	46773	40.00	ug/ml	-0.02
34) ACENAPHTHENE-D10	26.51	164	23242	40.00	ug/ml	-0.02
54) PHENANTHRENE-D10	31.61	188	40764	40.00	ug/ml	-0.02
74) CHRYSENE-D12	40.63	240	37579	40.00	ug/ml	-0.05
92) PERYLENE-D12	46.07	264	33292	40.00	ug/ml	-0.05
System Monitoring Compounds						%Recovery
2) FLUOROPHENOL	12.57	112	8630	20.52	ug/ml	10.26%
4) PHENOL-D5	15.41	99	15115	26.60	ug/ml	13.30%
5) 2-CHLOROPHENOL-D4	15.75	132	11835	26.66	ug/ml	13.33%
12) 1,2-DICHLOROBENZENE-D4	16.89	150	6668	13.04	ug/ml	13.04%
20) NITROBENZENE-D5	18.25	82	7484	12.07	ug/ml	12.07%
38) FLUOROBIPHENYL	24.22	172	10723	12.74	ug/ml	12.74%
58) 2,4,6-TRIBROMOPHENOL	29.25	330	3586	30.03	ug/ml	15.02%
78) P-TERPHENYL-D14	37.08	244	12668	13.12	ug/ml	13.12%
Target Compounds						Qvalue
3) ANILINE	15.46	93	7723	18.05	ug/ml#	34
6) PHENOL	15.46	94	15480	27.08	ug/ml#	40
7) BIS(2-CHLOROETHYL) ETHER	15.62	93	6413	12.14	ug/ml	86
8) 2-CHLOROPHENOL	15.81	128	11976	28.50	ug/ml	92
9) 1,3-DICHLOROBENZENE	16.22	146	6529	14.24	ug/ml	91
10) 1,4-DICHLOROBENZENE	16.46	146	7095	15.24	ug/ml#	88
11) BENZYL ALCOHOL	17.01	79	3468	8.68	ug/mlm	0
13) 1,2-DICHLOROBENZENE	16.94	146	5963	13.45	ug/ml	93
14) 2-METHYLPHENOL	17.34	108	4258	10.88	ug/ml#	81
15) BIS(2-CHLOROISOPROPYL)ETHE	17.30	45	7432	7.87	ug/ml#	66
16) 4-METHYLPHENOL	17.86	107	6480	11.70	ug/ml#	85
17) N-NITROSODIPROPYLAMINE	17.73	70	5237	12.89	ug/ml	96
18) HEXACHLOROETHANE	17.98	117	3292	15.12	ug/ml	92
21) NITROBENZENE	18.32	77	8119	12.35	ug/ml	89
22) ISOPHORONE	19.06	82	13623	12.85	ug/ml	96
23) 2-NITROPHENOL	19.34	139	6189	24.60	ug/ml#	80
24) 2,4-DIMETHYLPHENOL	19.53	107	11872	29.23	ug/ml	98
25) BIS(2-CHLOROETHOXY)METHANE	19.80	93	8045	11.36	ug/ml	92
26) BENZOIC ACID	19.97	105	2151	16.55	ug/ml	97
27) 2,4-DICHLOROPHENOL	20.23	162	8818	23.21	ug/ml#	71
28) 1,2,4-TRICHLOROBENZENE	20.36	180	4973	12.38	ug/ml	97
29) NAPHTHALENE	20.62	128	16672	12.58	ug/ml	98
30) 4-CHLOROANILINE	21.00	127	3784	8.66	ug/ml	94
31) HEXACHLOROBUTADIENE	21.00	225	2754	11.18	ug/ml#	83
32) 4-CHLORO-3-METHYLPHENOL	22.63	107	9638	24.26	ug/ml#	86

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

Data File : c:\hpchem\1\data\02099a06.d
Acq On : 9 Feb 99 3:04 pm
Sample : 12.5 GCMS STD
Misc : OLM QB1 FY99 P #99118
Quant Time: Feb 10 9:07 1999

Vial: 6
Operator: ESAT
Inst : 5988
Multiplr: 1.00

Method : c:\HPCHEM\1\METHODS\01289A01.M
Title : semivolatiles
Last Update : Thu Jan 28 14:35:49 1999
Response via : Single Level Calibration

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
33)	2-METHYLNAPHTHALENE	22.97	142	10617	12.82 ug/ml	98
35)	HEXACHLOROCYCLOPENTADIENE	23.46	237	2644	12.77 ug/ml	94
36)	2,4,6-TRICHLOROPHENOL	23.99	196	5834	24.59 ug/ml	98
37)	2,4,5-TRICHLOROPHENOL	24.20	196	2484	10.37 ug/ml	88
39)	2-CHLORONAPHTHALENE	24.63	162	10013	13.28 ug/ml#	87
40)	2-NITROANILINE	25.14	138	2901	10.04 ug/ml	96
41)	DIMETHYLPHTHALATE	25.68	163	11923	13.01 ug/ml	95
42)	ACENAPHTHYLENE	26.04	152	15594	13.06 ug/ml	97
43)	2,6-DINITROTOLUENE	25.91	165	2466	11.53 ug/ml#	77
44)	3-NITROANILINE	26.60	65	4532	12.26 ug/ml#	86
45)	ACENAPHTHENE	26.61	154	8395	12.70 ug/ml	99
46)	2,4-DINITROPHENOL	26.90	184	1733	19.37 ug/ml#	76
47)	DIBENZOFURAN	27.22	168	13510	12.68 ug/ml	90
48)	4-NITROPHENOL	27.46	65	2217	13.02 ug/ml#	36
49)	2,4-DINITROTOLUENE	27.29	165	3445	12.00 ug/ml#	69
50)	DIETHYLPHTHALATE	28.08	149	12449	13.14 ug/ml#	92
51)	FLUORENE	28.40	166	10300	13.18 ug/ml	97
52)	4-CHLOROPHENYL-PHENYLETHER	28.41	204	5247	13.35 ug/ml	93
53)	4-NITROANILINE	28.84	65	3593	10.61 ug/ml#	51
55)	4,6-DINITRO-2-METHYLPHENOL	28.68	198	3369	25.34 ug/ml	97
56)	N-NITROSODIPHENYLAMINE	28.86	169	7002	14.19 ug/ml	97
57)	DIPHENYLHYDRAZINE(AZOBENZE	28.96	77	17520	15.85 ug/ml#	91
59)	4-BROMOPHENYL-PHENYLETHER	30.09	248	2911	11.40 ug/ml	85
60)	BHC ISOMER (ALPHA)	30.12	181	2228	14.73 ug/ml	92
61)	HEXACHLOROBENZENE	30.24	284	3946	13.62 ug/ml	99
62)	BHC ISOMER (BETA)	30.95	181	1714	13.99 ug/mlm	87
63)	PENTACHLOROPHENOL	31.02	266	3210	32.16 ug/ml#	80
64)	LINDANE-BHC ISOMER (GAMA)	31.15	181	1913	15.61 ug/ml#	81
65)	PHENANTHRENE	31.69	178	13551	12.95 ug/ml	94
66)	ANTHRACENE	31.86	178	14362	13.89 ug/ml	96
67)	BHC ISOMER (DELTA)	32.03	181	1767	15.06 ug/ml	86
68)	CARBAZOLE	32.52	167	12352	12.46 ug/ml	98
69)	HEPTACHLOR	33.27	100	3109	15.22 ug/ml#	81
70)	DIBUTYLPHTHALATE	33.66	149	19205	13.00 ug/ml	96
71)	ALDRIN	34.33	66	3251	14.74 ug/ml#	84
72)	HEPTACHLOR EPOXIDE	35.41	81	2148	15.94 ug/ml#	83
73)	FLUORANTHENE	35.76	202	14252	11.48 ug/ml#	91
75)	PYRENE	36.52	202	15102	13.17 ug/ml#	92
76)	ENDOSULFAN I	36.45	195	446	16.73 ug/mlm	0
77)	P,P-DDE	36.87	246	3617	14.49 ug/ml	91
79)	DIELDRIN	37.19	79	4010	17.43 ug/ml#	86
80)	ENDRIN	37.78	81	1205	16.18 ug/mlm	0
81)	ENDOSULFAN II	38.09	195	539	18.12 ug/mlm	0

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

Data File : c:\hpchem\1\data\02099a06.d
Acq On : 9 Feb 99 3:04 pm
Sample : 12.5 GCMS STD
Misc : OLM QB1 FY99 P #99118
Quant Time: Feb 10 9:07 1999

Vial: 6
Operator: ESAT
Inst : 5988
Multiplr: 1.00

Method : c:\HPCHEM\1\METHODS\01289A01.M
Title : semivolatiles
Last Update : Thu Jan 28 14:35:49 1999
Response via : Single Level Calibration

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
82)	P,P-DDD	38.05	235	6123	13.26	ug/ml	94
83)	BUTYLBENZYLPHTHALATE	38.79	149	8570	14.36	ug/ml#	89
84)	P,P-DDT	39.04	235	5197	13.56	ug/ml#	90
85)	ENDOSULFAN SULFATE	39.11	272	1044	13.40	ug/mlm	0
86)	METHOXYCHLOR	40.42	227	9519	13.45	ug/ml#	92
87)	ENDRIN KETONE	40.42	67	1967	17.13	ug/ml#	83
88)	3,3-DICHCHLOROBENZIDINE	40.61	252	3557	8.54	ug/ml	87
89)	BENZ(A)ANTHRACENE	40.60	228	14151	12.92	ug/ml	97
90)	CHRYSENE	40.71	228	13924	13.52	ug/ml	94
91)	BIS(2-ETHYLHEXYL)PHTHALATE	40.70	149	13013	15.62	ug/ml	99
93)	DI-N-OCTYLPHTHALATE	42.92	149	20322	14.14	ug/ml	97
94)	BENZO(B)FLUORANTHENE	44.43	252	13274	11.82	ug/mlm	91
95)	BENZO(K)FLUORANTHENE	44.54	252	14682	13.21	ug/ml#	93
96)	BENZO(A)PYRENE	45.81	252	13272	12.70	ug/ml#	90
97)	INDENO(1,2,3-CD)PYRENE	51.80	276	10000	10.00	ug/mlm	67
98)	DIBENZO(A,H)ANTHRACENE	51.95	278	11380	11.03	ug/mlm	92
99)	BENZO(GHI)PERYLENE	53.56	276	12828	13.26	ug/mlm	72

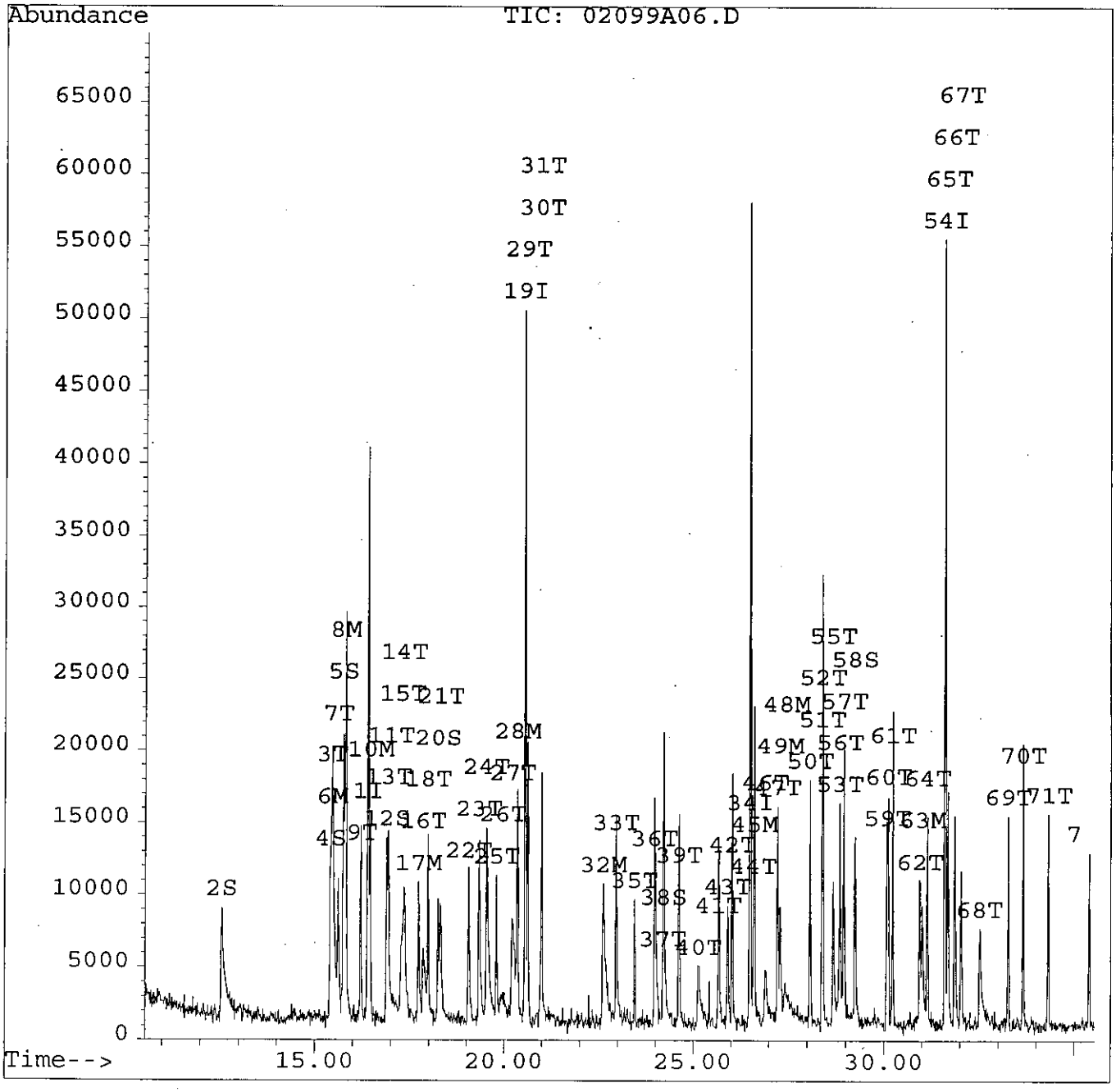
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : c:\hpchem\1\data\02099a06.d
Acq On : 9 Feb 99 3:04 pm
Sample : 12.5 GCMS STD
Misc : OLM QB1 FY99 P #99118
Quant Time: Feb 10 9:07 1999

Vial: 6
Operator: ESAT
Inst : 5988
Multiplr: 1.00

Method : c:\HPCHEM\1\METHODS\01289A01.M
Title : semivolatiles
Last Update : Thu Jan 28 14:35:49 1999
Response via : Single Level Calibration

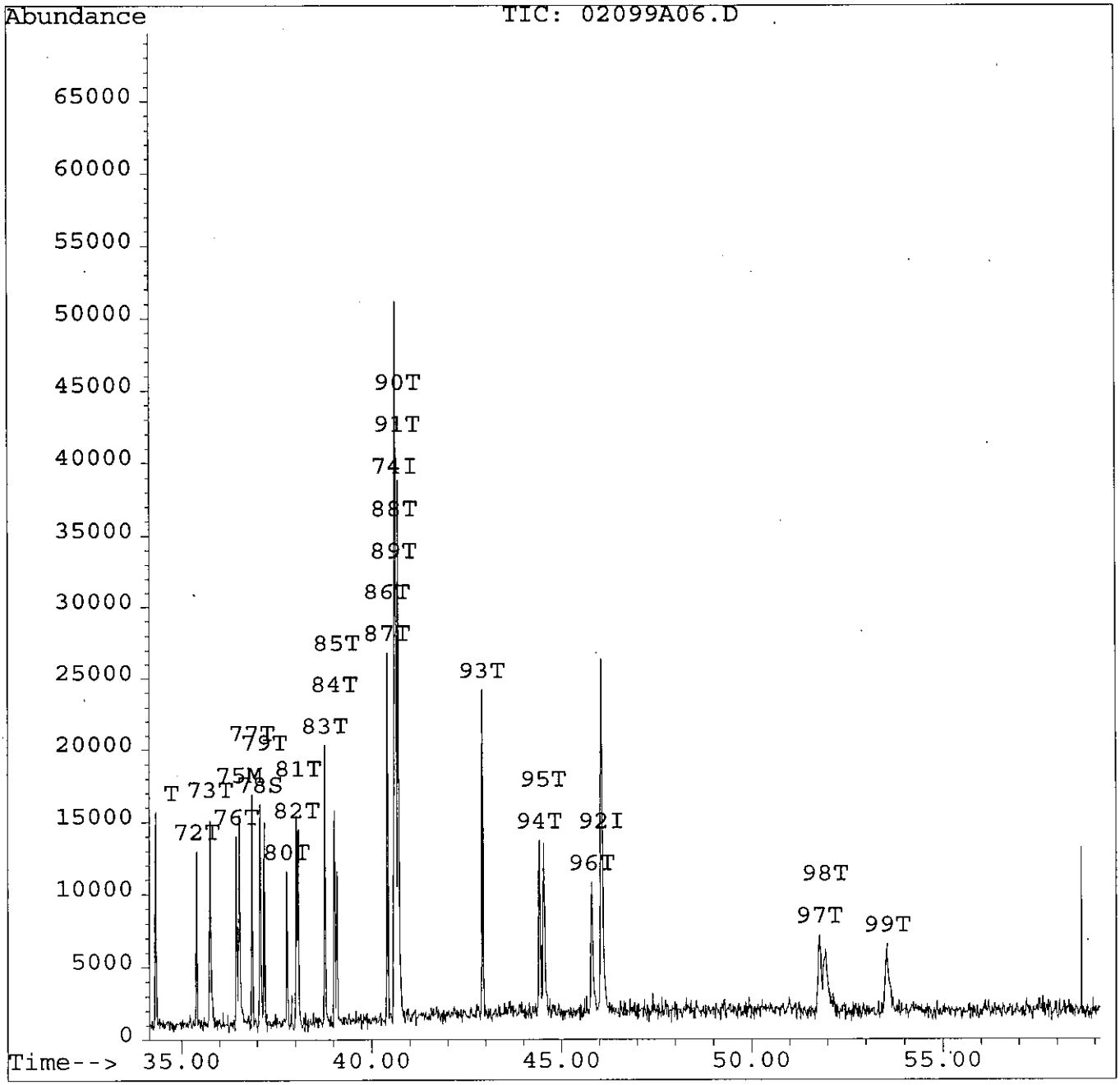


Quantitation Report

Data File : c:\hpchem\1\data\02099a06.d
Acq On : 9 Feb 99 3:04 pm
Sample : 12.5 GCMS STD
Misc : OLM QB1 FY99 P #99118
Quant Time: Feb 10 9:07 1999

Vial: 6
Operator: ESAT
Inst : 5988
Multiplr: 1.00

Method : c:\HPCHEM\1\METHODS\01289A01.M
Title : semivolatiles
Last Update : Thu Jan 28 14:35:49 1999
Response via : Single Level Calibration



Quantitation Report

Data File : c:\hpchem\1\data\02099a07.d
Acq On : 9 Feb 99 4:11 pm
Sample : 6.25 GCMS STD
Misc : OLM QB1 FY99 P #99118
Quant Time: Feb 10 9:05 1999

Vial: 7
Operator: ESAT
Inst : 5988
Multiplr: 1.00

Method : c:\HPCHEM\1\METHODS\01289A01.M
Title : semivolatiles
Last Update : Thu Jan 28 14:35:49 1999
Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DICHLOROBENZENE-D4	16.41	150	19419	40.00	ug/ml	0.00
19) NAPHTHALENE-D8	20.55	136	43877	40.00	ug/ml	-0.02
34) ACENAPHTHENE-D10	26.51	164	21831	40.00	ug/ml	-0.02
54) PHENANTHRENE-D10	31.61	188	39508	40.00	ug/ml	-0.02
74) CHRYSENE-D12	40.63	240	35837	40.00	ug/ml	-0.05
92) PERYLENE-D12	46.07	264	32423	40.00	ug/ml	-0.05
System Monitoring Compounds						%Recovery
2) FLUOROPHENOL	12.61	112	3336	8.78	ug/ml	4.39%
4) PHENOL-D5	15.44	99	5403	10.53	ug/ml	5.26%
5) 2-CHLOROPHENOL-D4	15.76	132	5662	14.12	ug/ml	7.06%
12) 1,2-DICHLOROBENZENE-D4	16.89	150	3178	6.88	ug/ml	6.88%
20) NITROBENZENE-D5	18.26	82	3106	5.34	ug/ml	5.34%
38) FLUOROBIPHENYL	24.24	172	5375	6.80	ug/ml	6.80%
58) 2,4,6-TRIBROMOPHENOL	29.26	330	1941	16.77	ug/ml	8.39%
78) P-TERPHENYL-D14	37.10	244	5670	6.16	ug/ml	6.16%
Target Compounds						Qvalue
3) ANILINE	15.47	93	2740	7.09	ug/ml#	19
6) PHENOL	15.50	94	6271	12.14	ug/ml#	60
7) BIS(2-CHLOROETHYL) ETHER	15.62	93	3590	7.52	ug/ml#	81
8) 2-CHLOROPHENOL	15.82	128	5414	14.27	ug/ml#	80
9) 1,3-DICHLOROBENZENE	16.21	146	3139	7.58	ug/ml	95
10) 1,4-DICHLOROBENZENE	16.45	146	2918	6.94	ug/ml	93
13) 1,2-DICHLOROBENZENE	16.95	146	2898	7.24	ug/ml	88
14) 2-METHYLPHENOL	17.37	108	3031	8.58	ug/ml#	42
15) BIS(2-CHLOROISOPROPYL)ETHE	17.30	45	4101	4.81	ug/ml#	95
16) 4-METHYLPHENOL	17.94	107	2458	4.91	ug/ml#	91
17) N-NITROSODIPROPYLAMINE	17.75	70	2318	6.32	ug/ml	98
18) HEXACHLOROETHANE	17.98	117	1380	7.02	ug/mlm	0
21) NITROBENZENE	18.33	77	4000	6.49	ug/ml#	86
22) ISOPHORONE	19.06	82	6394	6.43	ug/ml	98
23) 2-NITROPHENOL	19.35	139	2374	10.06	ug/ml#	61
24) 2,4-DIMETHYLPHENOL	19.56	107	5058	13.28	ug/ml#	95
25) BIS(2-CHLOROETHOXY)METHANE	19.81	93	3722	5.60	ug/ml#	78
27) 2,4-DICHLOROPHENOL	20.29	162	2638	7.40	ug/ml#	68
28) 1,2,4-TRICHLOROBENZENE	20.37	180	2348	6.23	ug/ml#	78
29) NAPHTHALENE	20.62	128	8192	6.59	ug/ml	95
30) 4-CHLOROANILINE	21.04	127	1780	4.34	ug/mlm	0
31) HEXACHLOROBUTADIENE	21.00	225	1491	6.45	ug/mlm	0
32) 4-CHLORO-3-METHYLPHENOL	22.66	107	4598	12.34	ug/ml	94
33) 2-METHYLNAPHTHALENE	22.98	142	5361	6.90	ug/ml#	79
35) HEXACHLOROCYCLOPENTADIENE	23.45	237	897	4.61	ug/mlm	0

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

Quantitation Report

Data File : c:\hpchem\1\data\02099a07.d
Acq On : 9 Feb 99 4:11 pm
Sample : 6.25 GCMS STD
Misc : OLM QB1 FY99 P #99118
Quant Time: Feb 10 9:05 1999

Vial: 7
Operator: ESAT
Inst : 5988
Multiplr: 1.00

Method : c:\HPCHEM\1\METHODS\01289A01.M
Title : semivolatiles
Last Update : Thu Jan 28 14:35:49 1999
Response via : Single Level Calibration

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
36)	2,4,6-TRICHLOROPHENOL	24.00	196	2491	11.18	ug/ml#	92
37)	2,4,5-TRICHLOROPHENOL	24.25	196	1525	6.78	ug/mlm	93
39)	2-CHLORONAPHTHALENE	24.64	162	4757	6.71	ug/ml#	81
40)	2-NITROANILINE	25.17	138	1321	4.87	ug/mlm	0
41)	DIMETHYLPHTHALATE	25.69	163	5820	6.76	ug/ml#	77
42)	ACENAPHTHYLENE	26.04	152	6950	6.20	ug/ml#	93
43)	2,6-DINITROTOLUENE	25.93	165	977	4.86	ug/mlm	0
44)	3-NITROANILINE	26.64	65	2332	6.71	ug/mlm	0
45)	ACENAPHTHENE	26.61	154	4407	7.10	ug/ml	97
46)	2,4-DINITROPHENOL	26.97	184	665	7.91	ug/mlm	0
47)	DIBENZOFURAN	27.24	168	6384	6.38	ug/ml	95
49)	2,4-DINITROTOLUENE	27.32	165	1427	5.29	ug/mlm	0
50)	DIETHYLPHTHALATE	28.07	149	5702	6.41	ug/ml#	96
51)	FLUORENE	28.40	166	5182	7.06	ug/ml	99
52)	4-CHLOROPHENYL-PHENYLETHER	28.41	204	2499	6.77	ug/ml	87
55)	4,6-DINITRO-2-METHYLPHENOL	28.70	198	1313	10.19	ug/mlm	0
56)	N-NITROSODIPHENYLAMINE	28.86	169	3446	7.21	ug/ml#	89
57)	DIPHENYLHYDRAZINE(AZOBENZE	28.95	77	7863	7.34	ug/ml	98
59)	4-BROMOPHENYL-PHENYLETHER	30.09	248	1275	5.15	ug/mlm	0
60)	BHC ISOMER (ALPHA)	30.11	181	1134	7.73	ug/mlm	0
61)	HEXACHLOROBENZENE	30.24	284	1736	6.18	ug/ml#	95
62)	BHC ISOMER (BETA)	31.15	181	901	7.59	ug/mlm	0
63)	PENTACHLOROPHENOL	31.02	266	1367	14.13	ug/mlm	0
64)	LINDANE-BHC ISOMER (GAMA)	31.15	181	902	7.59	ug/mlm	0
65)	PHENANTHRENE	31.69	178	6773	6.68	ug/ml	99
66)	ANTHRACENE	31.87	178	6691	6.67	ug/ml	95
67)	BHC ISOMER (DELTA)	32.04	181	889	7.82	ug/mlm	0
68)	CARBAZOLE	32.54	167	5519	5.74	ug/ml#	90
69)	HEPTACHLOR	33.27	100	1497	7.56	ug/mlm	0
70)	DIBUTYLPHTHALATE	33.66	149	8941	6.24	ug/ml	99
71)	ALDRIN	34.32	66	1854	8.67	ug/ml#	81
72)	HEPTACHLOR EPOXIDE	35.41	81	1164	8.91	ug/mlm	0
73)	FLUORANTHENE	35.77	202	6648	5.53	ug/ml	94
75)	PYRENE	36.54	202	7007	6.41	ug/ml#	91
76)	ENDOSULFAN I	36.47	195	235	9.24	ug/mlm	0
77)	P,P-DDE	36.87	246	1566	6.58	ug/ml#	85
79)	DIELDRIN	37.19	79	1910	8.71	ug/ml#	95
80)	ENDRIN	37.78	81	597	8.41	ug/mlm	0
81)	ENDOSULFAN II	38.09	195	202	7.12	ug/mlm	0
82)	P,P-DDD	38.04	235	2920	6.63	ug/ml	96
83)	BUTYLBENZYLPHTHALATE	38.78	149	3620	6.36	ug/ml	86
84)	P,P-DDT	39.04	235	2008	5.49	ug/ml	91
85)	ENDOSULFAN SULFATE	39.11	272	513	6.91	ug/mlm	0

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

Quantitation Report

Data File : c:\hpchem\1\data\02099a07.d
Acq On : 9 Feb 99 4:11 pm
Sample : 6.25 GCMS STD
Misc : OLM QB1 FY99 P #99118
Quant Time: Feb 10 9:05 1999

Vial: 7
Operator: ESAT
Inst : 5988
Multiplr: 1.00

Method : c:\HPCHEM\1\METHODS\01289A01.M
Title : semivolatiles
Last Update : Thu Jan 28 14:35:49 1999
Response via : Single Level Calibration

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
86)	METHOXYCHLOR	40.42	227	4495	6.66	ug/ml	98
87)	ENDRIN KETONE	40.42	67	961	8.78	ug/mlm	0
88)	3,3-DICHCHLOROBENZIDINE	40.64	252	1790	4.51	ug/ml	90
89)	BENZ(A)ANTHRACENE	40.59	228	6754	6.47	ug/ml	98
90)	CHRYSENE	40.71	228	6607	6.73	ug/mlm	98
91)	BIS(2-ETHYLHEXYL)PHTHALATE	40.70	149	6107	7.69	ug/ml	98
93)	DI-N-OCTYLPHTHALATE	42.92	149	9818	7.01	ug/ml	96
94)	BENZO(B)FLUORANTHENE	44.44	252	6145	5.62	ug/mlm	93
95)	BENZO(K)FLUORANTHENE	44.55	252	7670	7.09	ug/mlm	91
96)	BENZO(A)PYRENE	45.81	252	6005	5.90	ug/ml#	91
97)	INDENO(1,2,3-CD)PYRENE	51.82	276	4288	4.41	ug/mlm	72
98)	DIBENZO(A,H)ANTHRACENE	52.00	278	5369	5.35	ug/mlm	95
99)	BENZO(GHI)PERYLENE	53.57	276	5993	6.36	ug/mlm	82

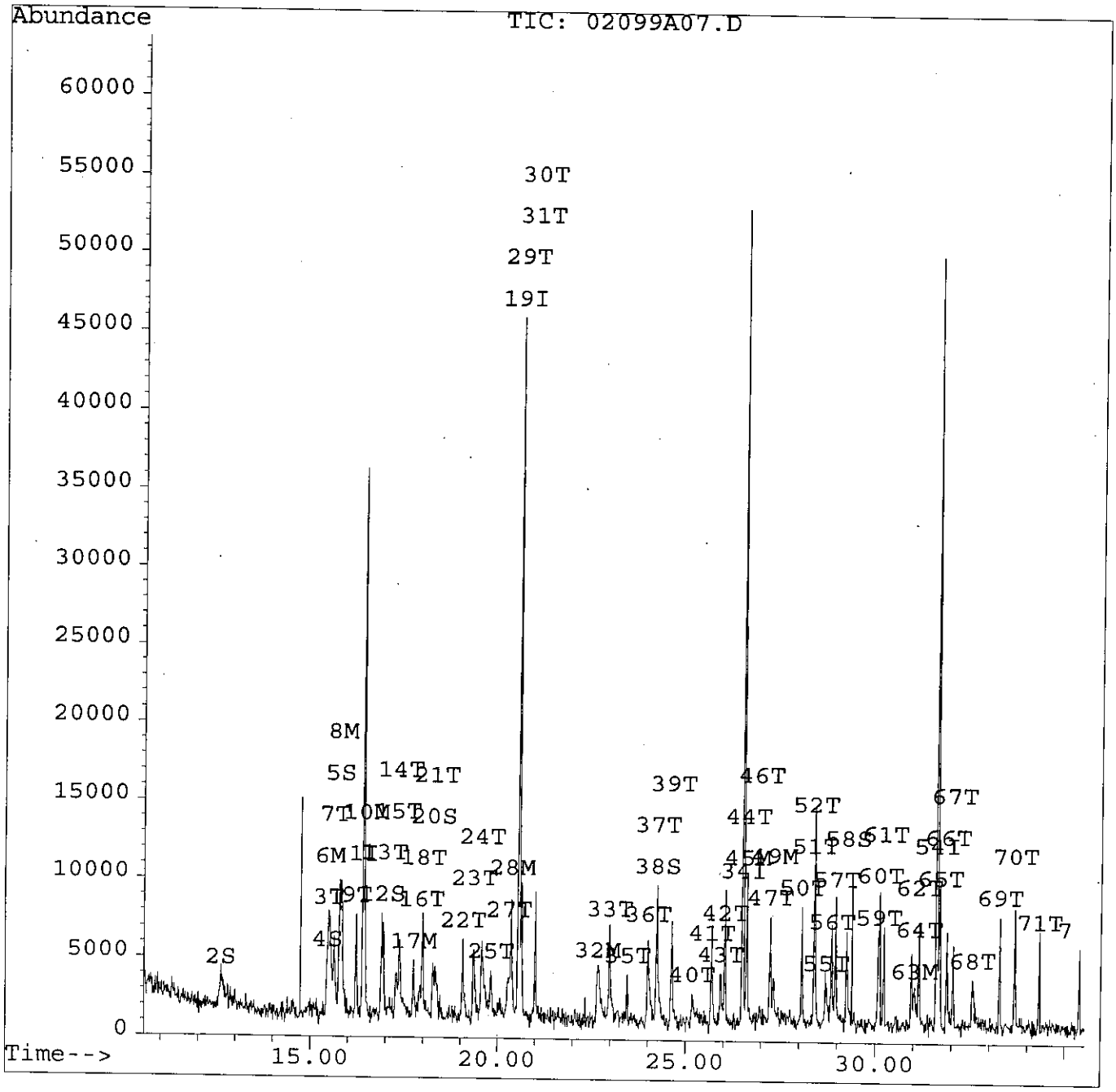
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : c:\hpchem\1\data\02099a07.d
Acq On : 9 Feb 99 4:11 pm
Sample : 6.25 GCMS STD
Misc : OLM QB1 FY99 P #99118
Quant Time: Feb 10 9:05 1999

Vial: 7
Operator: ESAT
Inst : 5988
Multiplr: 1.00

Method : c:\HPCHEM\1\METHODS\01289A01.M
Title : semivolatiles
Last Update : Thu Jan 28 14:35:49 1999
Response via : Single Level Calibration

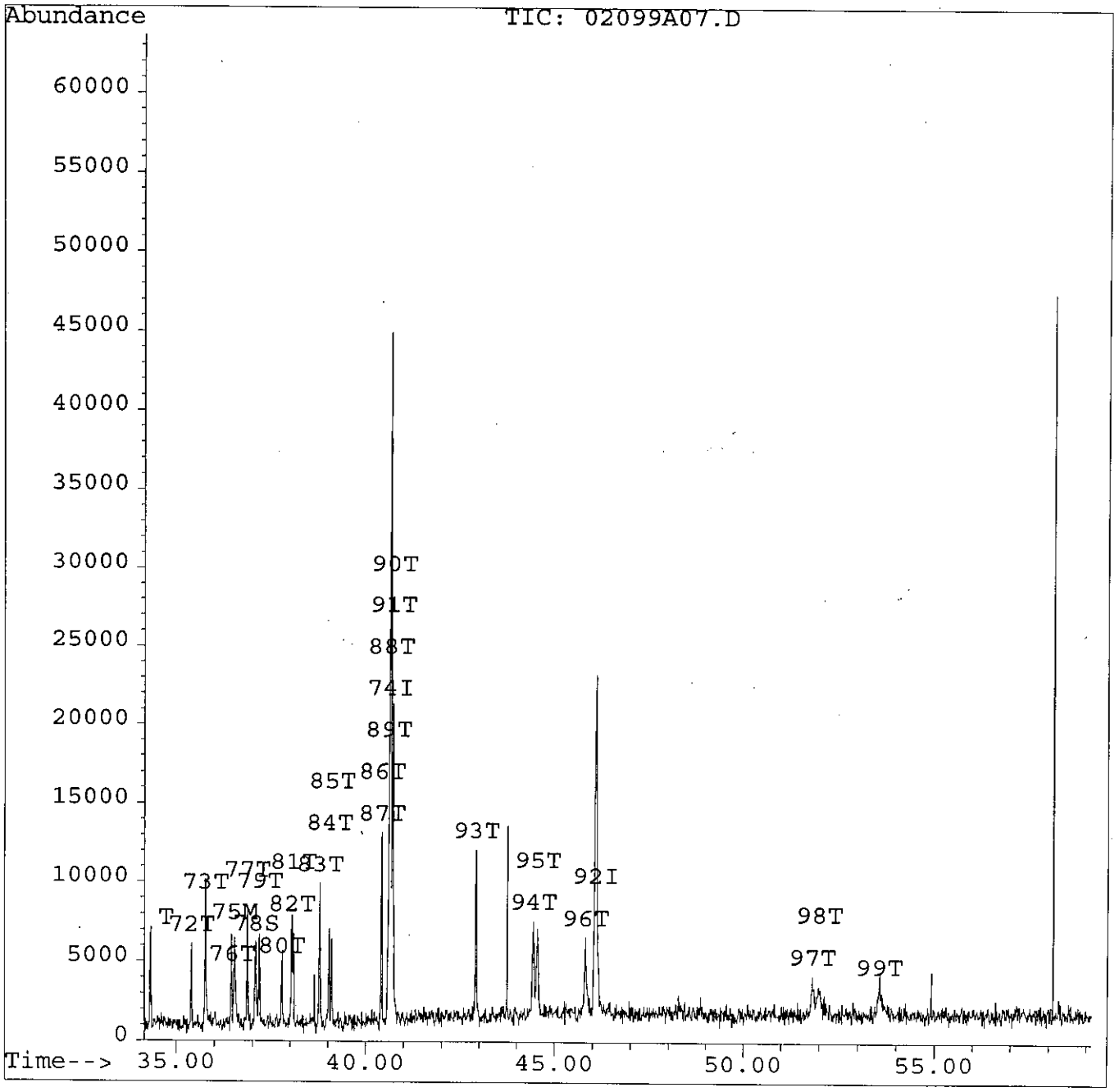


Quantitation Report

Data File : c:\hpchem\1\data\02099a07.d
Acq On : 9 Feb 99 4:11 pm
Sample : 6.25 GCMS STD
Misc : OLM QB1 FY99 P #99118
Quant Time: Feb 10 9:05 1999

Vial: 7
Operator: ESAT
Inst : 5988
Multiplr: 1.00

Method : c:\HPCHEM\1\METHODS\01289A01.M
Title : semivolatiles
Last Update : Thu Jan 28 14:35:49 1999
Response via : Single Level Calibration



Continuing Calibration Report 5988

Method : C:\HPCHEM\1\METHODS\03129A01.M
Title : semivolatiles
Last Update : Fri Mar 12 11:19:03 1999
Response via : Continuing Calibration

Continuing Calibration File: 03129A02.D

Min. RRF : 0.010 Min. Rel. Area : 50%
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%
1	I	1,4-DICHLOROBENZENE-D4	1.000	1.000	0.0	252#
2	S	FLUOROPHENOL	0.714	0.765	-7.1	265#
3	T	ANILINE	1.177	1.002	14.8	213#
4	S	PHENOL-D5	1.069	1.051	1.6	254#
5	S	2-CHLOROPHENOL-D4	0.869	0.792	8.9	252#
6	M	PHENOL	1.098	1.103	-0.4	268#
7	T	BIS(2-CHLOROETHYL) ETHER	1.056	1.077	-2.0	282#
8	M	2-CHLOROPHENOL	0.838	0.800	4.6	270#
9	T	1,3-DICHLOROBENZENE	0.920	0.897	2.5	272#
10	M	1,4-DICHLOROBENZENE	0.942	0.901	4.3	274#
11	T	BENZYL ALCOHOL	0.597	0.467	21.8	204#
12	S	1,2-DICHLOROBENZENE-D4	0.986	0.912	7.5	256#
13	T	1,2-DICHLOROBENZENE	0.873	0.844	3.3	268#
14	T	2-METHYLPHENOL	0.760	0.698	8.1	258#
15	T	BIS(2-CHLOROISOPROPYL)ETHER	1.142	1.787	-56.6#	464#
16	T	4-METHYLPHENOL	0.971	0.898	7.5	230#
17	M	N-NITROSODIPROPYLAMINE	0.774	0.898	-16.0	325#
18	T	HEXACHLOROETHANE	0.448	0.405	9.5	248#
19	I	NAPHTHALENE-D8	1.000	1.000	0.0	266#
20	S	NITROBENZENE-D5	0.516	0.590	-14.4	297#
21	T	NITROBENZENE	0.560	0.588	-5.0	301#
22	T	ISOPHORONE	0.927	1.055	-13.9	306#
23	T	2-NITROPHENOL	0.200	0.201	-0.3	268#
24	T	2,4-DIMETHYLPHENOL	0.389	0.335	13.7	229#
25	T	BIS(2-CHLOROETHOXY)METHANE	0.574	0.646	-12.6	307#
26	T	BENZOIC ACID	0.252	0.266	-5.8	280#
27	T	2,4-DICHLOROPHENOL	0.278	0.297	-6.9	267#
28	M	1,2,4-TRICHLOROBENZENE	0.313	0.327	-4.5	295#
29	T	NAPHTHALENE	1.092	1.095	-0.4	276#
30	T	4-CHLOROANILINE	0.341	0.390	-14.4	272#
31	T	HEXACHLOROBUTADIENE	0.195	0.191	2.3	261#
32	M	4-CHLORO-3-METHYLPHENOL	0.338	0.338	-0.2	265#
33	T	2-METHYLNAPHTHALENE	0.698	0.667	4.4	266#
34	I	ACENAPHTHENE-D10	1.000	1.000	0.0	275#
35	T	HEXACHLOROCYCLOPENTADIENE	0.387	0.378	2.5	246#
36	T	2,4,6-TRICHLOROPHENOL	0.393	0.365	7.1	254#
37	T	2,4,5-TRICHLOROPHENOL	0.403	0.343	15.0	229#
38	S	FLUOROBIPHENYL	1.463	1.340	8.4	266#
39	T	2-CHLORONAPHTHALENE	1.319	1.236	6.3	260#
40	T	2-NITROANILINE	0.456	0.498	-9.2	286#

(#) = Out of Range

Method : C:\HPCHEM\1\METHODS\03129A01.M
Title : semivolatiles
Last Update : Fri Mar 12 11:19:03 1999
Response via : Continuing Calibration

Continuing Calibration File: 03129A02.D

Min. RRF : 0.010 Min. Rel. Area : 50%
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%
41	T	DIMETHYLPHTHALATE	1.586	1.568	1.1	275#
42	T	ACENAPHTHYLENE	2.068	2.028	1.9	263#
43	T	2,6-DINITROTOLUENE	0.336	0.360	-7.3	277#
44	T	3-NITROANILINE	0.673	0.698	-3.8	320#
45	M	ACENAPHTHENE	1.149	1.124	2.2	277#
46	T	2,4-DINITROPHENOL	0.190	0.183	3.9	243#
47	T	DIBENZOFURAN	1.822	1.779	2.4	267#
48	M	4-NITROPHENOL	0.338	0.282	16.5	211#
49	M	2,4-DINITROTOLUENE	0.470	0.489	-3.9	287#
50	T	DIETHYLPHTHALATE	1.649	1.620	1.7	271#
51	T	FLUORENE	1.400	1.297	7.4	259#
52	T	4-CHLOROPHENYL-PHENYLETHER	0.667	0.620	7.1	262#
53	T	4-NITROANILINE	0.582	0.486	16.4	263#
54	I	PHENANTHRENE-D10	1.000	1.000	0.0	290#
55	T	4,6-DINITRO-2-METHYLPHENOL	0.139	0.141	-1.3	286#
56	T	N-NITROSODIPHENYLAMINE	0.507	0.463	8.7	288#
57	T	DIPHENYLHYDRAZINE(AZOBENZENE)	1.274	1.275	-0.1	309#
58	S	2,4,6-TRIBROMOPHENOL	0.147	0.160	-9.1	328#
59	T	4-BROMOPHENYL-PHENYLETHER	0.220	0.234	-6.7	315#
60	T	BHC ISOMER (ALPHA)	0.166	0.144	13.3	267#
61	T	HEXACHLOROBENZENE	0.281	0.308	-9.8	325#
62	T	BHC ISOMER (BETA)	0.132	0.122	7.6	265#
63	M	PENTACHLOROPHENOL	0.146	0.140	3.5	296#
64	T	LINDANE-BHC ISOMER (GAMA)	0.141	0.127	9.9	277#
65	T	PHENANTHRENE	1.030	1.045	-1.5	302#
66	T	ANTHRACENE	1.050	1.028	2.1	290#
67	T	BHC ISOMER (DELTA)	0.132	0.120	9.2	274#
68	T	CARBAZOLE	0.958	0.977	-2.0	301#
69	T	HEPTACHLOR	0.231	0.231	-0.0	297#
70	T	DIBUTYLPHTHALATE	1.494	1.504	-0.6	294#
71	T	ALDRIN	0.248	0.266	-7.3	334#
72	T	HEPTACHLOR EPOXIDE	0.165	0.157	4.8	296#
73	T	FLUORANTHENE	1.089	1.121	-2.9	304#
74	I	CHRYSENE-D12	1.000	1.000	0.0	307#
75	M	PYRENE	1.232	1.199	2.7	307#
76	T	ENDOSULFAN I	0.037	0.034	9.2	281#
77	T	P,P-DDE	0.285	0.275	3.6	292#
78	S	P-TERPHENYL-D14	1.032	0.990	4.0	301#
79	T	DIELDRIN	0.321	0.334	-4.2	342#
80	T	ENDRIN	0.105	0.100	4.5	318#

(#) = Out of Range

Method : C:\HPCHEM\1\METHODS\03129A01.M
Title : semivolatiles
Last Update : Fri Mar 12 11:19:03 1999
Response via : Continuing Calibration

Continuing Calibration File: 03129A02.D

Min. RRF : 0.010 Min. Rel. Area : 50%
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%
81	T	ENDOSULFAN II	0.040	0.037	7.2	307#
82	T	P,P-DDD	0.503	0.495	1.5	304#
83	T	BUTYLBENZYLPHTHALATE	0.722	0.674	6.5	291#
84	T	P,P-DDT	0.411	0.402	2.2	291#
85	T	ENDOSULFAN SULFATE	0.088	0.099	-12.0	361#
86	T	METHOXYCHLOR	0.807	0.699	13.5	261#
87	T	ENDRIN KETONE	0.148	0.169	-14.0	380#
88	T	3,3-DICHCHLOROBENZIDINE	0.361	0.302	16.3	247#
89	T	BENZ(A)ANTHRACENE	1.183	1.043	11.8	276#
90	T	CHRYSENE	1.133	0.984	13.2	274#
91	T	BIS(2-ETHYLHEXYL)PHTHALATE	1.072	0.964	10.1	275#
92	I	PERYLENE-D12	1.000	1.000	0.0	293#
93	T	DI-N-OCTYLPHTHALATE	1.916	1.935	-1.0	292#
94	T	BENZO(B)FLUORANTHENE	1.263	1.309	-3.7	296#
95	T	BENZO(K)FLUORANTHENE	1.330	1.378	-3.6	314#
96	T	BENZO(A)PYRENE	1.205	1.217	-1.0	290#
97	T	INDENO(1,2,3-CD)PYRENE	0.865	0.968	-11.8	258#
98	T	DIBENZO(A,H)ANTHRACENE	0.969	1.067	-10.1	284#
99	T	BENZO(GHI)PERYLENE	0.937	0.954	-1.8	285#

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report

Data File : C:\HPCHEM\1\DATA\03129A02.D
Acq On : 12 Mar 99 9:15 am
Sample : 50 GCMS STD
Misc : American Glue & Resin P#99187
Quant Time: Mar 12 11:17 1999

Vial: 2
Operator: ESAT
Inst : 5988
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\03029A01.M
Title : semivolatiles
Last Update : Tue Mar 02 13:52:54 1999
Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DICHLOROBENZENE-D4	16.31	150	67783	40.00	ug/ml	-0.01
19) NAPHTHALENE-D8	20.46	136	144848	40.00	ug/ml	-0.01
34) ACENAPHTHENE-D10	26.41	164	72203	40.00	ug/ml	0.00
54) PHENANTHRENE-D10	31.51	188	141686	40.00	ug/ml	0.00
74) CHRYSENE-D12	40.53	240	134078	40.00	ug/ml	-0.02
92) PERYLENE-D12	45.89	264	114948	40.00	ug/ml	-0.02
System Monitoring Compounds						%Recovery
2) FLUOROPHENOL	12.46	112	129618	108.03	ug/ml	54.01%
4) PHENOL-D5	15.32	99	178177	98.05	ug/ml	49.03%
5) 2-CHLOROPHENOL-D4	15.67	132	134191	102.27	ug/ml	51.13%
12) 1,2-DICHLOROBENZENE-D4	16.80	150	77296	50.13	ug/ml	50.13%
20) NITROBENZENE-D5	18.15	82	106843	55.33	ug/ml	55.33%
38) FLUOROBIPHENYL	24.13	172	120943	50.81	ug/ml	50.81%
58) 2,4,6-TRIBROMOPHENOL	29.15	330	56678	143.52	ug/ml	71.76%
78) P-TERPHENYL-D14	36.98	244	165958	52.63	ug/ml	52.63%
Target Compounds						Qvalue
3) ANILINE	15.37	93	84904	49.96	ug/ml#	1
6) PHENOL	15.36	94	186831	101.49	ug/ml#	77
7) BIS(2-CHLOROETHYL) ETHER	15.54	93	91278	52.29	ug/ml#	73
8) 2-CHLOROPHENOL	15.71	128	135483	100.54	ug/ml#	80
9) 1,3-DICHLOROBENZENE	16.13	146	75997	48.69	ug/ml	97
10) 1,4-DICHLOROBENZENE	16.37	146	76337	49.78	ug/ml	98
11) BENZYL ALCOHOL	16.85	79	39548	31.60	ug/ml	94
13) 1,2-DICHLOROBENZENE	16.84	146	71489	48.74	ug/ml	99
14) 2-METHYLPHENOL	17.22	108	59119	48.59	ug/ml#	82
15) BIS(2-CHLOROISOPROPYL)ETHE	17.20	45	151445	53.41	ug/mlm	87
16) 4-METHYLPHENOL	17.74	107	76100	43.07	ug/ml	97
17) N-NITROSODIPROPYLAMINE	17.67	70	76053	53.07	ug/ml#	68
18) HEXACHLOROETHANE	17.89	117	34357	51.10	ug/ml	92
21) NITROBENZENE	18.22	77	106384	54.42	ug/ml#	85
22) ISOPHORONE	19.01	82	191062	53.33	ug/ml#	92
23) 2-NITROPHENOL	19.24	139	72669	102.57	ug/ml#	84
24) 2,4-DIMETHYLPHENOL	19.44	107	121385	95.41	ug/ml	96
25) BIS(2-CHLOROETHOXY)METHANE	19.70	93	116905	54.95	ug/ml#	81
26) BENZOIC ACID	20.01	105	48169	55.64	ug/ml	88
27) 2,4-DICHLOROPHENOL	20.07	162	107501	100.57	ug/ml	91
28) 1,2,4-TRICHLOROBENZENE	20.26	180	59241	49.84	ug/ml	96
29) NAPHTHALENE	20.53	128	198347	51.96	ug/ml	99
30) 4-CHLOROANILINE	20.81	127	70648	51.66	ug/ml	98
31) HEXACHLOROBUTADIENE	20.91	225	34536	49.10	ug/ml	95
32) 4-CHLORO-3-METHYLPHENOL	22.50	107	122545	99.05	ug/ml	93

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\03129A02.D
Acq On : 12 Mar 99 9:15 am
Sample : 50 GCMS STD
Misc : American Glue & Resin P#99187
Quant Time: Mar 12 11:17 1999

Vial: 2
Operator: ESAT
Inst : 5988
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\03029A01.M
Title : semivolatiles
Last Update : Tue Mar 02 13:52:54 1999
Response via : Single Level Calibration

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
33) 2-METHYLNAPHTHALENE	22.86	142	120757	49.75 ug/ml	97
35) HEXACHLOROCYCLOPENTADIENE	23.35	237	34074	50.37 ug/ml	99
36) 2,4,6-TRICHLOROPHENOL	23.88	196	65853	91.99 ug/ml	99
37) 2,4,5-TRICHLOROPHENOL	24.05	196	30941	41.43 ug/ml	92
39) 2-CHLORONAPHTHALENE	24.53	162	111521	48.37 ug/ml	94
40) 2-NITROANILINE	25.01	138	44930	54.23 ug/ml#	74
41) DIMETHYLPHTHALATE	25.59	163	141553	51.06 ug/ml#	90
42) ACENAPHTHYLENE	25.94	152	183067	51.06 ug/ml#	95
43) 2,6-DINITROTOLUENE	25.82	165	32515	50.93 ug/ml#	88
44) 3-NITROANILINE	26.45	65	63041	57.52 ug/ml	98
45) ACENAPHTHENE	26.52	154	101431	50.92 ug/ml	94
46) 2,4-DINITROPHENOL	26.77	184	32984	107.10 ug/ml#	80
47) DIBENZOFURAN	27.12	168	160533	49.40 ug/ml	97
48) 4-NITROPHENOL	27.17	65	50919	89.46 ug/ml#	63
49) 2,4-DINITROTOLUENE	27.21	165	44108	51.88 ug/ml#	90
50) DIETHYLPHTHALATE	28.00	149	146215	51.05 ug/ml	98
51) FLUORENE	28.30	166	117031	49.30 ug/ml	96
52) 4-CHLOROPHENYL-PHENYLETHER	28.31	204	55914	47.13 ug/ml	88
53) 4-NITROANILINE	28.59	65	43893	53.73 ug/ml#	74
55) 4,6-DINITRO-2-METHYLPHENOL	28.59	198	49870	107.70 ug/ml	89
56) N-NITROSODIPHENYLAMINE	28.76	169	82085	48.93 ug/ml	99
57) DIPHENYLHYDRAZINE(AZOBENZE	28.86	77	225899	55.78 ug/ml	94
59) 4-BROMOPHENYL-PHENYLETHER	29.99	248	41504	48.84 ug/ml#	77
60) BHC ISOMER (ALPHA)	30.02	181	25448	50.89 ug/ml	97
61) HEXACHLOROBENZENE	30.14	284	54628	56.48 ug/ml	97
62) BHC ISOMER (BETA)	30.84	181	21572	49.70 ug/ml	97
63) PENTACHLOROPHENOL	30.90	266	49742	102.19 ug/ml	92
64) LINDANE-BHC ISOMER (GAMA)	31.04	181	22431	46.93 ug/ml	93
65) PHENANTHRENE	31.60	178	185077	50.41 ug/ml	98
66) ANTHRACENE	31.76	178	182103	48.64 ug/ml	99
67) BHC ISOMER (DELTA)	31.90	181	21246	51.53 ug/ml	93
68) CARBAZOLE	32.39	167	173027	52.44 ug/ml	99
69) HEPTACHLOR	33.16	100	40842	55.32 ug/ml#	69
70) DIBUTYLPHTHALATE	33.57	149	266292	52.12 ug/ml	99
71) ALDRIN	34.21	66	47109	54.27 ug/ml	93
72) HEPTACHLOR EPOXIDE	35.28	81	27754	54.41 ug/ml#	87
73) FLUORANTHENE	35.65	202	198543	49.02 ug/ml	96
75) PYRENE	36.42	202	200869	52.02 ug/ml	96
76) ENDOSULFAN I	36.36	195	5671	51.71 ug/ml#	82
77) P,P-DDE	36.77	246	46096	50.45 ug/ml#	86
79) DIELDRIN	37.07	79	55999	59.54 ug/ml#	96
80) ENDRIN	37.67	81	16736	56.65 ug/ml#	85
81) ENDOSULFAN II	37.97	195	6181	52.24 ug/ml#	88

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

Data File : C:\HPCHEM\1\DATA\03129A02.D
Acq On : 12 Mar 99 9:15 am
Sample : 50 GCMS STD
Misc : American Glue & Resin P#99187
Quant Time: Mar 12 11:17 1999

Vial: 2
Operator: ESAT
Inst : 5988
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\03029A01.M
Title : semivolatiles
Last Update : Tue Mar 02 13:52:54 1999
Response via : Single Level Calibration

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
82)	P,P-DDD	37.93	235	83010	53.24	ug/ml#	88
83)	BUTYLBENZYLPHTHALATE	38.68	149	113015	53.84	ug/ml	86
84)	P,P-DDT	38.93	235	67377	54.09	ug/ml#	82
85)	ENDOSULFAN SULFATE	38.99	272	16570	57.80	ug/ml	98
86)	METHOXYCHLOR	40.32	227	117078	49.04	ug/ml	100
87)	ENDRIN KETONE	40.30	67	28314	56.15	ug/ml#	77
88)	3,3-DICHCHLOROBENZIDINE	40.48	252	50650	48.22	ug/ml	98
89)	BENZ(A)ANTHRACENE	40.48	228	174884	49.61	ug/ml	97
90)	CHRYSENE	40.62	228	164876	49.65	ug/ml	98
91)	BIS(2-ETHYLHEXYL)PHTHALATE	40.60	149	161616	53.91	ug/ml	99
93)	DI-N-OCTYLPHTHALATE	42.80	149	278001	54.43	ug/ml	97
94)	BENZO(B)FLUORANTHENE	44.30	252	188077	49.51	ug/ml#	91
95)	BENZO(K)FLUORANTHENE	44.41	252	197994	49.46	ug/ml#	92
96)	BENZO(A)PYRENE	45.65	252	174804	48.85	ug/ml#	92
97)	INDENO(1,2,3-CD)PYRENE	51.56	276	139022	45.50	ug/ml#	70
98)	DIBENZO(A,H)ANTHRACENE	51.70	278	153305	48.87	ug/ml#	88
99)	BENZO(GHI)PERYLENE	53.29	276	137059	41.86	ug/ml#	74

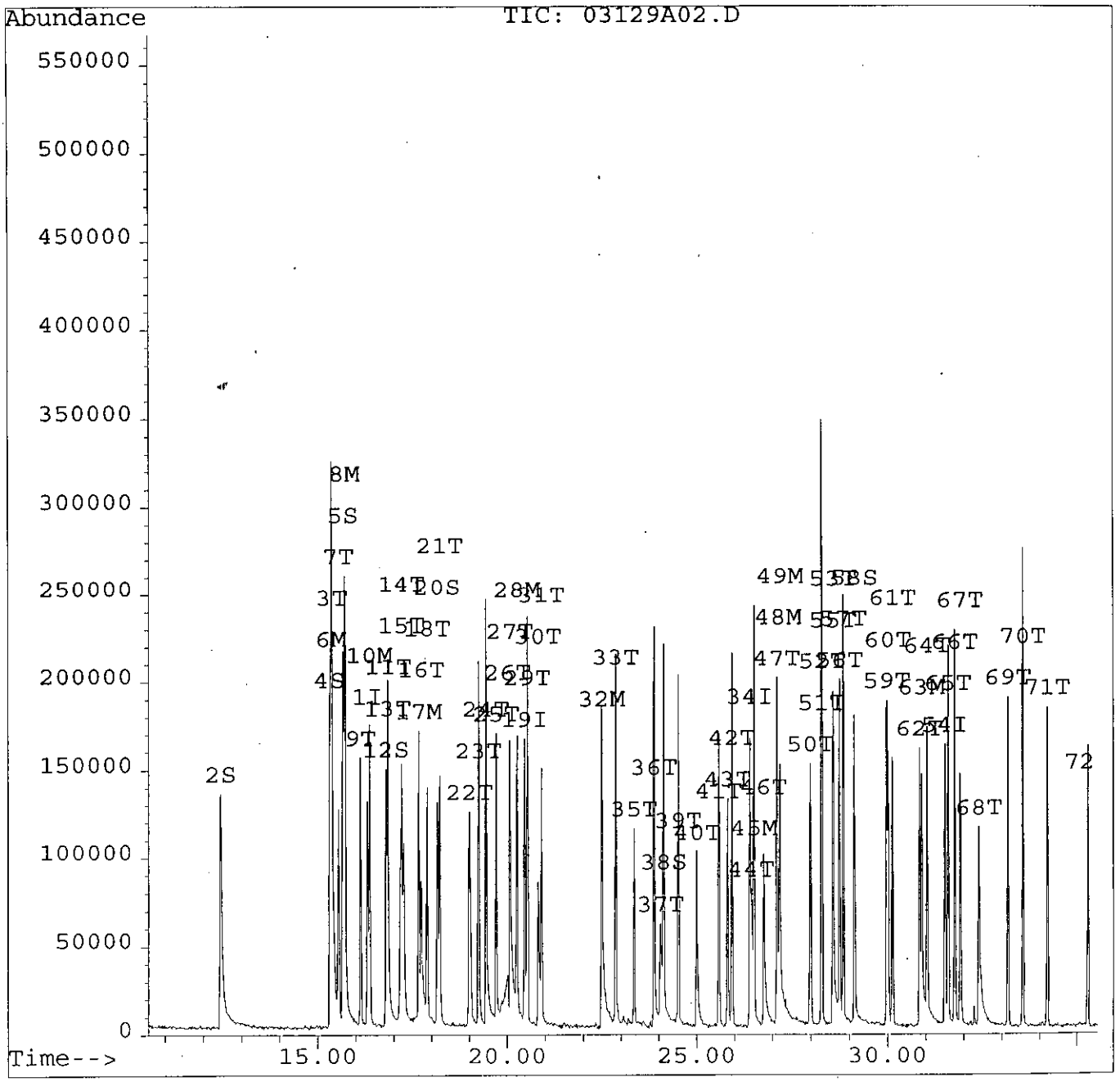
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\03129A02.D
Acq On : 12 Mar 99 9:15 am
Sample : 50 GCMS STD
Misc : American Glue & Resin P#99187
Quant Time: Mar 12 11:17 1999

Vial: 2
Operator: ESAT
Inst : 5988
Multiplr: 1.00

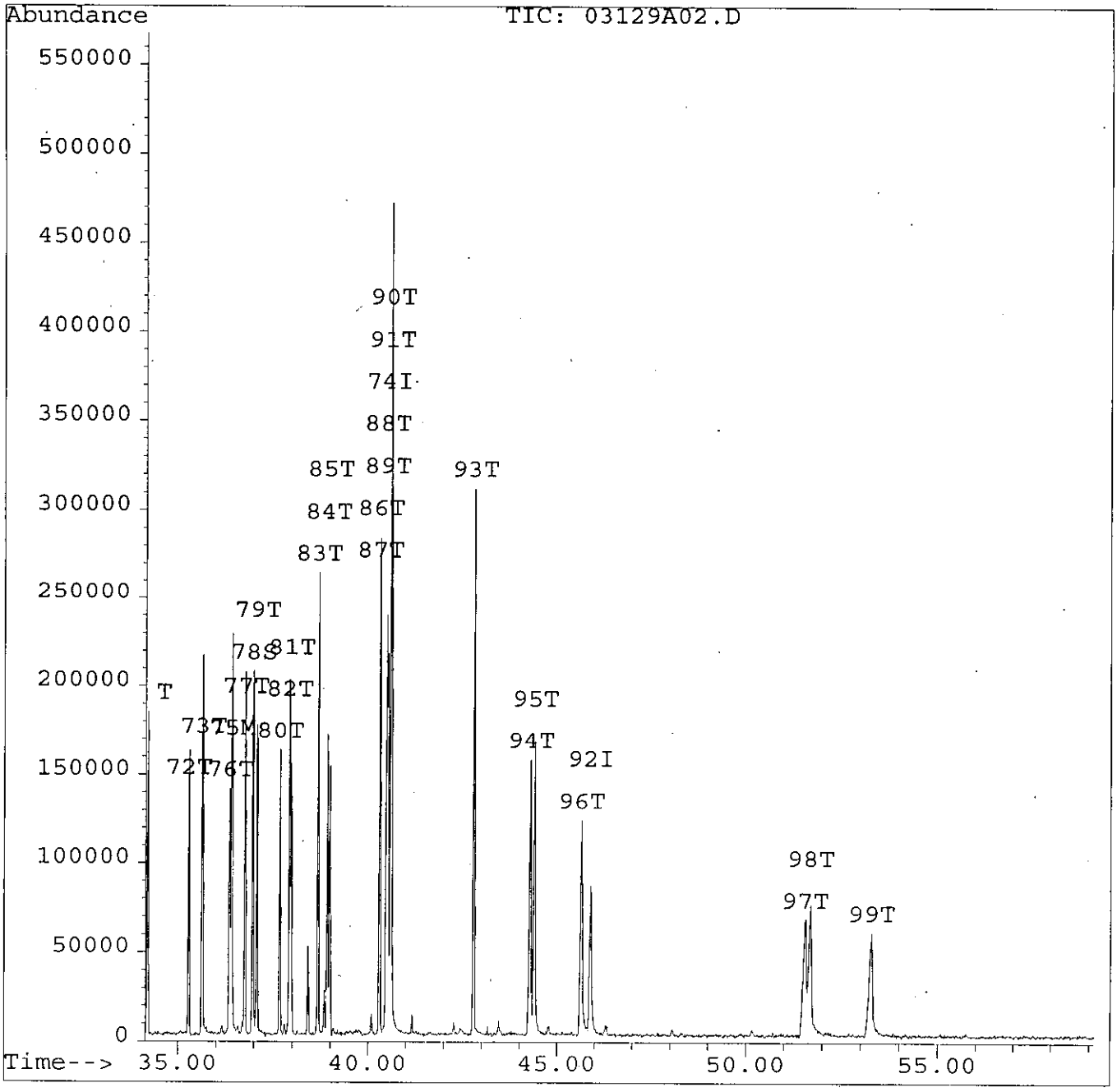
Method : C:\HPCHEM\1\METHODS\03029A01.M
Title : semivolatiles
Last Update : Tue Mar 02 13:52:54 1999
Response via : Single Level Calibration



Data File : C:\HPCHEM\1\DATA\03129A02.D
Acq On : 12 Mar 99 9:15 am
Sample : 50 GCMS STD
Misc : American Glue & Resin P#99187
Quant Time: Mar 12 11:17 1999

Vial: 2
Operator: ESAT
Inst : 5988
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\03029A01.M
Title : semivolatiles
Last Update : Tue Mar 02 13:52:54 1999
Response via : Single Level Calibration



Continuing Calibration Report 5988

Method : C:\HPCHEM\1\METHODS\03129A02.M
Title : semivolatiles
Last Update : Sat Mar 13 11:22:04 1999
Response via : Continuing Calibration

Continuing Calibration File: 03129A11.D

Min. RRF : 0.010 Min. Rel. Area : 50%
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%
1	I	1,4-DICHLOROBENZENE-D4	1.000	1.000	0.0	268#
2	S	FLUOROPHENOL	0.714	0.753	-5.4	277#
3	T	ANILINE	1.177	1.056	10.2	239#
4	S	PHENOL-D5	1.069	1.127	-5.5	289#
5	S	2-CHLOROPHENOL-D4	0.869	0.818	5.9	277#
6	M	PHENOL	1.098	1.159	-5.6	299#
7	T	BIS(2-CHLOROETHYL) ETHER	1.056	1.151	-9.0	321#
8	M	2-CHLOROPHENOL	0.838	0.852	-1.6	306#
9	T	1,3-DICHLOROBENZENE	0.920	0.914	0.6	295#
10	M	1,4-DICHLOROBENZENE	0.942	0.945	-0.3	305#
11	T	BENZYL ALCOHOL	0.597	0.492	17.6	229#
12	S	1,2-DICHLOROBENZENE-D4	0.986	0.953	3.4	284#
13	T	1,2-DICHLOROBENZENE	0.873	0.887	-1.6	299#
14	T	2-METHYLPHENOL	0.760	0.749	1.3	295#
15	T	BIS(2-CHLOROISOPROPYL)ETHER	1.142	1.871	-63.9#	516#
16	T	4-METHYLPHENOL	0.971	1.037	-6.8	282#
17	M	N-NITROSODIPROPYLAMINE	0.774	0.976	-26.1#	375#
18	T	HEXACHLOROETHANE	0.448	0.450	-0.5	293#
19	I	NAPHTHALENE-D8	1.000	1.000	0.0	312#
20	S	NITROBENZENE-D5	0.516	0.575	-11.4	340#
21	T	NITROBENZENE	0.560	0.577	-3.1	348#
22	T	ISOPHORONE	0.927	1.044	-12.7	356#
23	T	2-NITROPHENOL	0.200	0.207	-3.2	325#
24	T	2,4-DIMETHYLPHENOL	0.389	0.348	10.5	279#
25	T	BIS(2-CHLOROETHOXY)METHANE	0.574	0.634	-10.6	355#
26	T	BENZOIC ACID	0.252	0.288	-14.6	357#
27	T	2,4-DICHLOROPHENOL	0.278	0.298	-7.2	315#
28	M	1,2,4-TRICHLOROBENZENE	0.313	0.321	-2.4	340#
29	T	NAPHTHALENE	1.092	1.052	3.6	312#
30	T	4-CHLOROANILINE	0.341	0.377	-10.7	310#
31	T	HEXACHLOROBUTADIENE	0.195	0.176	9.8	283#
32	M	4-CHLORO-3-METHYLPHENOL	0.338	0.360	-6.4	331#
33	T	2-METHYLNAPHTHALENE	0.698	0.655	6.1	307#
34	I	ACENAPHTHENE-D10	1.000	1.000	0.0	327#
35	T	HEXACHLOROCYCLOPENTADIENE	0.387	0.355	8.4	274#
36	T	2,4,6-TRICHLOROPHENOL	0.393	0.372	5.4	307#
37	T	2,4,5-TRICHLOROPHENOL	0.403	0.378	6.3	299#
38	S	FLUOROBIPHENYL	1.463	1.322	9.6	311#
39	T	2-CHLORONAPHTHALENE	1.319	1.250	5.3	312#
40	T	2-NITROANILINE	0.456	0.499	-9.5	340#

(#) = Out of Range

Method : C:\HPCHEM\1\METHODS\03129A02.M
Title : semivolatiles
Last Update : Sat Mar 13 11:22:04 1999
Response via : Continuing Calibration

Continuing Calibration File: 03129A11.D

Min. RRF : 0.010 Min. Rel. Area : 50%
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%
41	T	DIMETHYLPHTHALATE	1.586	1.548	2.4	323#
42	T	ACENAPHTHYLENE	2.068	1.990	3.8	306#
43	T	2,6-DINITROTOLUENE	0.336	0.366	-9.1	334#
44	T	3-NITROANILINE	0.673	0.752	-11.7	409#
45	M	ACENAPHTHENE	1.149	1.070	6.8	313#
46	T	2,4-DINITROPHENOL	0.190	0.192	-1.1	304#
47	T	DIBENZOFURAN	1.822	1.756	3.6	313#
48	M	4-NITROPHENOL	0.338	0.328	3.0	291#
49	M	2,4-DINITROTOLUENE	0.470	0.500	-6.3	349#
50	T	DIETHYLPHTHALATE	1.649	1.616	2.0	321#
51	T	FLUORENE	1.400	1.292	7.7	306#
52	T	4-CHLOROPHENYL-PHENYLETHER	0.667	0.601	9.9	302#
53	T	4-NITROANILINE	0.582	0.617	-5.9	395#
54	I	PHENANTHRENE-D10	1.000	1.000	0.0	331#
55	T	4,6-DINITRO-2-METHYLPHENOL	0.139	0.148	-6.8	344#
56	T	N-NITROSODIPHENYLAMINE	0.507	0.487	4.0	345#
57	T	DIPHENYLHYDRAZINE(AZOBENZENE)	1.274	1.308	-2.7	361#
58	S	2,4,6-TRIBROMOPHENOL	0.147	0.164	-12.1	385#
59	T	4-BROMOPHENYL-PHENYLETHER	0.220	0.242	-10.1	371#
60	T	BHC ISOMER (ALPHA)	0.166	0.149	10.2	315#
61	T	HEXACHLOROBENZENE	0.281	0.319	-13.8	384#
62	T	BHC ISOMER (BETA)	0.132	0.116	11.7	288#
63	M	PENTACHLOROPHENOL	0.146	0.166	-14.4	401#
64	T	LINDANE-BHC ISOMER (GAMA)	0.141	0.126	10.3	315#
65	T	PHENANTHRENE	1.030	1.053	-2.3	347#
66	T	ANTHRACENE	1.050	1.048	0.3	338#
67	T	BHC ISOMER (DELTA)	0.132	0.118	10.7	307#
68	T	CARBAZOLE	0.958	0.992	-3.6	348#
69	T	HEPTACHLOR	0.231	0.239	-3.6	351#
70	T	DIBUTYLPHTHALATE	1.494	1.508	-0.9	336#
71	T	ALDRIN	0.248	0.282	-13.7	404#
72	T	HEPTACHLOR EPOXIDE	0.165	0.168	-1.8	361#
73	T	FLUORANTHENE	1.089	1.117	-2.6	345#
74	I	CHRYSENE-D12	1.000	1.000	0.0	352#
75	M	PYRENE	1.232	1.184	3.9	347#
76	T	ENDOSULFAN I	0.037	0.033	12.7	310#
77	T	P,P-DDE	0.285	0.272	4.6	331#
78	S	P-TERPHENYL-D14	1.032	0.987	4.3	344#
79	T	DIELDRIN	0.321	0.328	-2.2	384#
80	T	ENDRIN	0.105	0.103	1.8	374#

(#) = Out of Range

Method : C:\HPCHEM\1\METHODS\03129A02.M
Title : semivolatiles
Last Update : Sat Mar 13 11:22:04 1999
Response via : Continuing Calibration

Continuing Calibration File: 03129A11.D

Min. RRF : 0.010 Min. Rel. Area : 50%
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%
81	T	ENDOSULFAN II	0.040	0.037	7.9	349#
82	T	P,P-DDD	0.503	0.471	6.3	332#
83	T	BUTYLBENZYLPHTHALATE	0.722	0.678	6.1	335#
84	T	P,P-DDT	0.411	0.380	7.6	315#
85	T	ENDOSULFAN SULFATE	0.088	0.092	-3.8	383#
86	T	METHOXYCHLOR	0.807	0.671	16.8	288#
87	T	ENDRIN KETONE	0.148	0.172	-16.0	443#
88	T	3,3-DICHCHLOROBENZIDINE	0.361	0.369	-2.2	345#
89	T	BENZ(A)ANTHRACENE	1.183	1.040	12.1	315#
90	T	CHRYSENE	1.133	0.987	13.0	315#
91	T	BIS(2-ETHYLHEXYL)PHTHALATE	1.072	0.928	13.5	303#
92	I	PERYLENE-D12	1.000	1.000	0.0	336#
93	T	DI-N-OCTYLPHTHALATE	1.916	1.833	4.3	317#
94	T	BENZO(B)FLUORANTHENE	1.263	1.297	-2.7	337#
95	T	BENZO(K)FLUORANTHENE	1.330	1.382	-3.9	361#
96	T	BENZO(A)PYRENE	1.205	1.239	-2.8	338#
97	T	INDENO(1,2,3-CD)PYRENE	0.865	0.974	-12.6	298#
98	T	DIBENZO(A,H)ANTHRACENE	0.969	1.135	-17.1	346#
99	T	BENZO(GHI)PERYLENE	0.937	0.869	7.3	297#

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report

Data File : C:\HPCHEM\1\DATA\03129A11.D
Acq On : 13 Mar 99 10:15 am
Sample : 50 BNA STD
Misc : American Glue & Resin P#99187
Quant Time: Mar 13 11:19 1999

Vial: 11
Operator: ESAT
Inst : 5988
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\03129A02.M
Title : semivolatiles
Last Update : Sat Mar 13 11:22:04 1999
Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DICHLOROBENZENE-D4	16.28	150	72040	40.00	ug/ml	-0.03
19) NAPHTHALENE-D8	20.43	136	170380	40.00	ug/ml	-0.03
34) ACENAPHTHENE-D10	26.39	164	85724	40.00	ug/ml	-0.02
54) PHENANTHRENE-D10	31.49	188	161606	40.00	ug/ml	-0.02
74) CHRYSENE-D12	40.51	240	153586	40.00	ug/ml	-0.02
92) PERYLENE-D12	45.87	264	131805	40.00	ug/ml	-0.02
System Monitoring Compounds						%Recovery
2) FLUOROPHENOL	12.41	112	135624	98.45	ug/ml	49.23%
4) PHENOL-D5	15.30	99	203007	107.20	ug/ml	53.60%
5) 2-CHLOROPHENOL-D4	15.64	132	147382	103.34	ug/ml	51.67%
12) 1,2-DICHLOROBENZENE-D4	16.77	150	85776	52.21	ug/ml	52.21%
20) NITROBENZENE-D5	18.14	82	122400	48.70	ug/ml	48.70%
38) FLUOROBIPHENYL	24.11	172	141670	49.33	ug/ml	49.33%
58) 2,4,6-TRIBROMOPHENOL	29.13	330	66437	102.77	ug/ml	51.38%
78) P-TERPHENYL-D14	36.96	244	189569	49.86	ug/ml	49.86%
Target Compounds						Qvalue
3) ANILINE	15.35	93	95124	52.71	ug/ml#	1
6) PHENOL	15.35	94	208752	105.13	ug/mlm	99
7) BIS(2-CHLOROETHYL) ETHER	15.53	93	103636	53.41	ug/ml#	76
8) 2-CHLOROPHENOL	15.70	128	153415	106.54	ug/ml#	84
9) 1,3-DICHLOROBENZENE	16.10	146	82280	50.93	ug/ml	98
10) 1,4-DICHLOROBENZENE	16.34	146	85074	52.43	ug/ml	96
11) BENZYL ALCOHOL	16.83	79	44324	52.73	ug/ml#	93
13) 1,2-DICHLOROBENZENE	16.83	146	79833	52.54	ug/ml	97
14) 2-METHYLPHENOL	17.19	108	67482	53.70	ug/ml#	81
15) BIS(2-CHLOROISOPROPYL)ETHE	17.15	45	168504	52.34	ug/ml	96
16) 4-METHYLPHENOL	17.71	107	93341	57.70	ug/ml	97
17) N-NITROSODIPROPYLAMINE	17.65	70	87856	54.35	ug/mlm	74
18) HEXACHLOROETHANE	17.86	117	40512	55.47	ug/ml	93
21) NITROBENZENE	18.20	77	122934	49.12	ug/ml#	84
22) ISOPHORONE	18.98	82	222430	49.49	ug/ml#	91
23) 2-NITROPHENOL	19.23	139	87988	102.94	ug/ml#	88
24) 2,4-DIMETHYLPHENOL	19.43	107	148168	103.77	ug/ml	95
25) BIS(2-CHLOROETHOXY)METHANE	19.69	93	135099	49.12	ug/ml#	87
26) BENZOIC ACID	20.01	105	61388	54.17	ug/ml	92
27) 2,4-DICHLOROPHENOL	20.04	162	126731	100.22	ug/ml	92
28) 1,2,4-TRICHLOROBENZENE	20.24	180	68260	48.98	ug/ml	97
29) NAPHTHALENE	20.52	128	224049	48.02	ug/ml	99
30) 4-CHLOROANILINE	20.78	127	80391	48.37	ug/ml#	91
31) HEXACHLOROBUTADIENE	20.88	225	37506	46.16	ug/ml	96
32) 4-CHLORO-3-METHYLPHENOL	22.47	107	153175	106.26	ug/ml#	90

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\03129A11.D
Acq On : 13 Mar 99 10:15 am
Sample : 50 BNA STD
Misc : American Glue & Resin P#99187
Quant Time: Mar 13 11:19 1999

Vial: 11
Operator: ESAT
Inst : 5988
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\03129A02.M
Title : semivolatiles
Last Update : Sat Mar 13 11:22:04 1999
Response via : Single Level Calibration

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
33) 2-METHYLNAPHTHALENE	22.84	142	139502	49.11	ug/ml	92
35) HEXACHLOROCYCLOPENTADIENE	23.33	237	38000	46.97	ug/ml	98
36) 2,4,6-TRICHLOROPHENOL	23.86	196	79649	101.87	ug/ml	97
37) 2,4,5-TRICHLOROPHENOL	24.02	196	40489	55.11	ug/ml	90
39) 2-CHLORONAPHTHALENE	24.50	162	133904	50.57	ug/ml	93
40) 2-NITROANILINE	24.99	138	53484	50.13	ug/ml#	79
41) DIMETHYLPHTHALATE	25.58	163	165853	49.34	ug/ml	93
42) ACENAPHTHYLENE	25.91	152	213216	49.05	ug/ml#	95
43) 2,6-DINITROTOLUENE	25.80	165	39261	50.85	ug/ml#	81
44) 3-NITROANILINE	26.43	65	80540	53.80	ug/ml	95
45) ACENAPHTHENE	26.50	154	114649	47.60	ug/ml	96
46) 2,4-DINITROPHENOL	26.76	184	41189	105.18	ug/ml	89
47) DIBENZOFURAN	27.11	168	188200	49.37	ug/ml	90
48) 4-NITROPHENOL	27.16	65	70265	116.23	ug/ml#	64
49) 2,4-DINITROTOLUENE	27.18	165	53550	51.13	ug/ml#	83
50) DIETHYLPHTHALATE	27.98	149	173184	49.88	ug/ml	97
51) FLUORENE	28.27	166	138400	49.80	ug/ml	93
52) 4-CHLOROPHENYL-PHENYLETHER	28.29	204	64373	48.48	ug/ml	87
53) 4-NITROANILINE	28.58	65	66069	63.39	ug/ml	86
55) 4,6-DINITRO-2-METHYLPHENOL	28.58	198	59975	105.44	ug/ml	91
56) N-NITROSODIPHENYLAMINE	28.75	169	98455	52.58	ug/ml	95
57) DIPHENYLHYDRAZINE(AZOBENZE	28.85	77	264244	51.28	ug/ml	94
59) 4-BROMOPHENYL-PHENYLETHER	29.97	248	48833	51.58	ug/ml#	80
60) BHC ISOMER (ALPHA)	30.01	181	30060	51.78	ug/ml	95
61) HEXACHLOROBENZENE	30.12	284	64533	51.79	ug/ml	97
62) BHC ISOMER (BETA)	30.83	181	23507	47.77	ug/ml	95
63) PENTACHLOROPHENOL	30.89	266	67267	118.56	ug/ml	96
64) LINDANE-BHC ISOMER (GAMA)	31.03	181	25474	49.78	ug/ml#	90
65) PHENANTHRENE	31.57	178	212748	50.39	ug/ml	99
66) ANTHRACENE	31.74	178	211636	50.95	ug/ml	100
67) BHC ISOMER (DELTA)	31.90	181	23813	49.13	ug/ml	94
68) CARBAZOLE	32.37	167	200476	50.79	ug/ml	99
69) HEPTACHLOR	33.14	100	48265	51.80	ug/ml#	78
70) DIBUTYLPHTHALATE	33.55	149	304652	50.15	ug/ml	99
71) ALDRIN	34.19	66	56946	52.99	ug/ml	91
72) HEPTACHLOR EPOXIDE	35.28	81	33852	53.47	ug/ml#	67
73) FLUORANTHENE	35.63	202	225709	49.83	ug/ml	98
75) PYRENE	36.41	202	227285	49.39	ug/ml	94
76) ENDOSULFAN I	36.34	195	6245	48.07	ug/ml	95
77) P,P-DDE	36.75	246	52242	49.47	ug/ml#	87
79) DIELDRIN	37.06	79	62949	49.07	ug/ml#	94
80) ENDRIN	37.66	81	19708	51.40	ug/ml#	86
81) ENDOSULFAN II	37.96	195	7028	49.63	ug/ml#	82

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\03129A11.D
Acq On : 13 Mar 99 10:15 am
Sample : 50 BNA STD
Misc : American Glue & Resin P#99187
Quant Time: Mar 13 11:19 1999

Vial: 11
Operator: ESAT
Inst : 5988
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\03129A02.M
Title : semivolatiles
Last Update : Sat Mar 13 11:22:04 1999
Response via : Single Level Calibration

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
82) P,P-DDD	37.91	235	90474	47.57	ug/ml#	92
83) BUTYLBENZYLPHTHALATE	38.66	149	130114	50.25	ug/ml	88
84) P,P-DDT	38.92	235	72871	47.21	ug/ml#	85
85) ENDOSULFAN SULFATE	38.97	272	17585	46.32	ug/ml#	88
86) METHOXYCHLOR	40.30	227	128908	48.06	ug/ml	96
87) ENDRIN KETONE	40.29	67	32997	50.87	ug/ml#	75
88) 3,3-DICHCHLOROBENZIDINE	40.47	252	70860	61.07	ug/ml	96
89) BENZ(A)ANTHRACENE	40.47	228	199693	49.84	ug/ml	97
90) CHRYSENE	40.61	228	189421	50.15	ug/ml	97
91) BIS(2-ETHYLHEXYL)PHTHALATE	40.58	149	178124	48.11	ug/ml	98
93) DI-N-OCTYLPHTHALATE	42.78	149	302066	47.38	ug/ml	100
94) BENZO(B)FLUORANTHENE	44.27	252	213670	49.54	ug/ml#	91
95) BENZO(K)FLUORANTHENE	44.38	252	227664	50.14	ug/ml#	93
96) BENZO(A)PYRENE	45.63	252	204071	50.91	ug/ml#	91
97) INDENO(1,2,3-CD)PYRENE	51.52	276	160456	50.33	ug/ml#	70
98) DIBENZO(A,H)ANTHRACENE	51.66	278	186925	53.17	ug/ml#	89
99) BENZO(GHI)PERYLENE	53.23	276	143198	45.56	ug/ml#	72

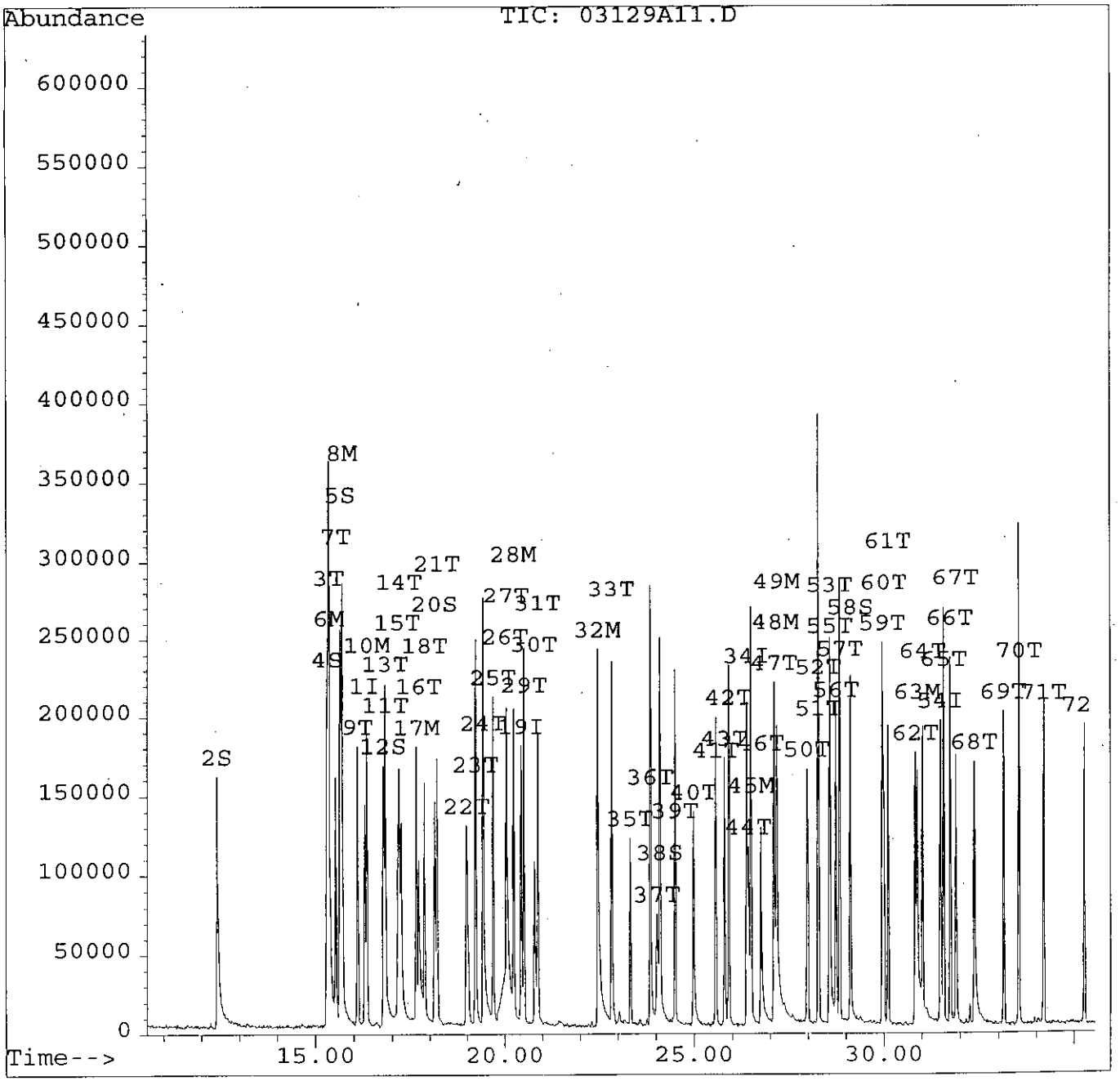
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\03129A11.D
Acq On : 13 Mar 99 10:15 am
Sample : 50 BNA STD
Misc : American Glue & Resin P#99187
Quant Time: Mar 13 11:19 1999

Vial: 11
Operator: ESAT
Inst : 5988
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\03129A02.M
Title : semivolatiles
Last Update : Sat Mar 13 11:22:04 1999
Response via : Single Level Calibration

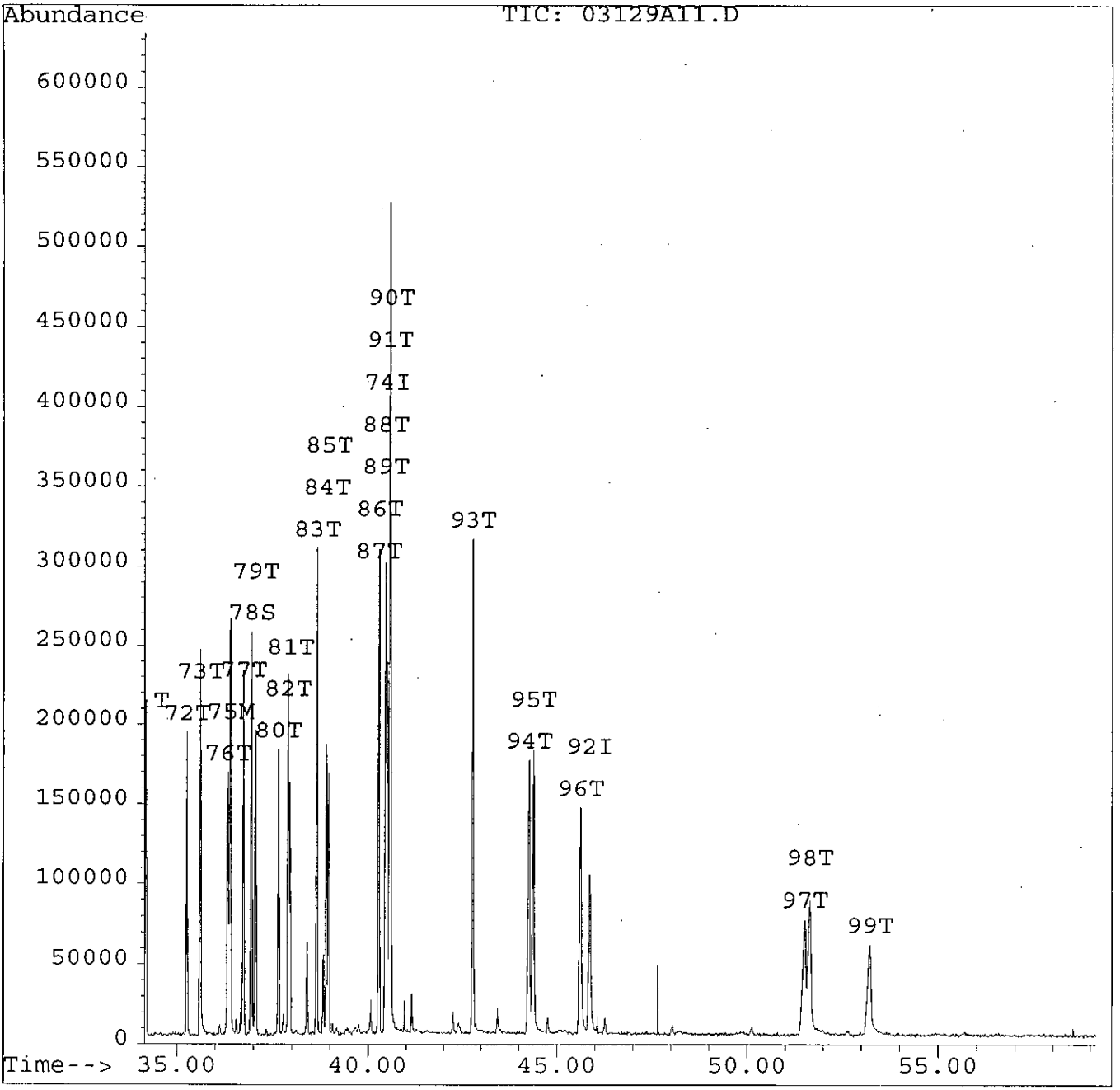


Quantitation Report

Data File : C:\HPCHEM\1\DATA\03129A11.D
Acq On : 13 Mar 99 10:15 am
Sample : 50 BNA STD
Misc : American Glue & Resin P#99187
Quant Time: Mar 13 11:19 1999

Vial: 11
Operator: ESAT
Inst : 5988
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\03129A02.M
Title : semivolatiles
Last Update : Sat Mar 13 11:22:04 1999
Response via : Single Level Calibration



Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\03129A22.D BNO of sequence Vial: 22
Acq On : 13 Mar 99 9:58 pm Operator: ESAT
Sample : 50 BNA STD Inst : 5988
Misc : American Glue & Resin P#99187 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\03129A02.M
Title : semivolatiles
Last Update : Sat Mar 13 11:22:04 1999
Response via : Single Level Calibration

Min. RRF : 0.010 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	I	1,4-DICHLOROBENZENE-D4	1.000	1.000	0.0	262#	-0.01
2	S	FLUOROPHENOL	0.714	0.788	-10.4	284#	0.00
3	T	ANILINE	1.177	1.119	4.9	247#	-0.02
4	S	PHENOL-D5	1.069	1.119	-4.7	281#	-0.02
5	S	2-CHLOROPHENOL-D4	0.869	0.780	10.2	258#	-0.02
6	M	PHENOL	1.098	1.146	-4.4	289#	-0.02
7	T	BIS(2-CHLOROETHYL) ETHER	1.056	1.092	-3.4	298#	-0.02
8	M	2-CHLOROPHENOL	0.838	0.813	3.0	285#	-0.02
9	T	1,3-DICHLOROBENZENE	0.920	0.905	1.6	286#	-0.01
10	M	1,4-DICHLOROBENZENE	0.942	0.925	1.8	292#	-0.01
11	T	BENZYL ALCOHOL	0.597	0.412	30.9#	187#	-0.01
12	S	1,2-DICHLOROBENZENE-D4	0.986	0.906	8.2	265#	-0.01
13	T	1,2-DICHLOROBENZENE	0.873	0.834	4.4	275#	-0.01
14	T	2-METHYLPHENOL	0.760	0.725	4.6	279#	0.00
15	T	BIS(2-CHLOROISOPROPYL)ETHER	1.142	1.744	-52.8#	471#	0.01
16	T	4-METHYLPHENOL	0.971	1.069	-10.1	285#	-0.01
17	M	N-NITROSODIPROPYLAMINE	0.774	0.911	-17.7	343#	-0.03
18	T	HEXACHLOROETHANE	0.448	0.423	5.6	269#	-0.01
19	I	NAPHTHALENE-D8	1.000	1.000	0.0	284#	-0.01
20	S	NITROBENZENE-D5	0.516	0.593	-15.0	318#	-0.03
21	T	NITROBENZENE	0.560	0.585	-4.5	320#	-0.01
22	T	ISOPHORONE	0.927	1.068	-15.3	331#	-0.01
23	T	2-NITROPHENOL	0.200	0.207	-3.6	296#	-0.01
24	T	2,4-DIMETHYLPHENOL	0.389	0.370	4.8	269#	-0.01
25	T	BIS(2-CHLOROETHOXY)METHANE	0.574	0.638	-11.3	324#	-0.01
26	T	BENZOIC ACID	0.252	0.252	-0.1	283#	-0.05
27	T	2,4-DICHLOROPHENOL	0.278	0.297	-6.8	285#	-0.01
28	M	1,2,4-TRICHLOROBENZENE	0.313	0.324	-3.6	312#	-0.01
29	T	NAPHTHALENE	1.092	1.052	3.6	284#	-0.02
30	T	4-CHLOROANILINE	0.341	0.388	-13.6	289#	0.00
31	T	HEXACHLOROBUTADIENE	0.195	0.186	4.5	272#	-0.01
32	M	4-CHLORO-3-METHYLPHENOL	0.338	0.349	-3.3	291#	0.00
33	T	2-METHYLNAPHTHALENE	0.698	0.655	6.1	279#	0.00
34	I	ACENAPHTHENE-D10	1.000	1.000	0.0	297#	0.00
35	T	HEXACHLOROCYCLOPENTADIENE	0.387	0.275	29.1#	193#	0.00
36	T	2,4,6-TRICHLOROPHENOL	0.393	0.382	2.8	286#	0.00
37	T	2,4,5-TRICHLOROPHENOL	0.403	0.381	5.5	274#	0.00
38	S	FLUOROBIPHENYL	1.463	1.270	13.2	271#	0.00
39	T	2-CHLORONAPHTHALENE	1.319	1.212	8.1	275#	0.00

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\03129A22.D Vial: 22
Acq On : 13 Mar 99 9:58 pm Operator: ESAT
Sample : 50 BNA STD Inst : 5988
Misc : American Glue & Resin P#99187 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\03129A02.M
Title : semivolatiles
Last Update : Sat Mar 13 11:22:04 1999
Response via : Single Level Calibration

Min. RRF : 0.010 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
40	T	2-NITROANILINE	0.456	0.497	-9.1	307#	0.00
41	T	DIMETHYLPHTHALATE	1.586	1.528	3.7	289#	-0.02
42	T	ACENAPHTHYLENE	2.068	1.934	6.5	270#	0.00
43	T	2,6-DINITROTOLUENE	0.336	0.359	-6.8	297#	0.00
44	T	3-NITROANILINE	0.673	0.717	-6.6	354#	0.00
45	M	ACENAPHTHENE	1.149	1.056	8.1	281#	0.00
46	T	2,4-DINITROPHENOL	0.190	0.128	32.5#	184#	0.00
47	T	DIBENZOFURAN	1.822	1.690	7.3	273#	-0.02
48	M	4-NITROPHENOL	0.338	0.304	10.1	245#	0.00
49	M	2,4-DINITROTOLUENE	0.470	0.471	-0.2	299#	0.00
50	T	DIETHYLPHTHALATE	1.649	1.592	3.4	287#	0.00
51	T	FLUORENE	1.400	1.242	11.3	267#	0.00
52	T	4-CHLOROPHENYL-PHENYLETHER	0.667	0.592	11.2	270#	0.00
53	T	4-NITROANILINE	0.582	0.542	6.9	315#	-0.02
54	I	PHENANTHRENE-D10	1.000	1.000	0.0	290#	-0.02
55	T	4,6-DINITRO-2-METHYLPHENOL	0.139	0.116	16.4	236#	-0.02
56	T	N-NITROSODIPHENYLAMINE	0.507	0.484	4.6	301#	-0.02
57	T	DIPHENYLHYDRAZINE(AZOBENZEN	1.274	1.275	-0.1	309#	-0.02
58	S	2,4,6-TRIBROMOPHENOL	0.147	0.162	-10.5	333#	0.00
59	T	4-BROMOPHENYL-PHENYLETHER	0.220	0.240	-9.3	323#	0.00
60	T	BHC ISOMER (ALPHA)	0.166	0.147	11.0	274#	-0.02
61	T	HEXACHLOROBENZENE	0.281	0.312	-11.2	329#	0.00
62	T	BHC ISOMER (BETA)	0.132	0.114	13.1	249#	-0.02
63	M	PENTACHLOROPHENOL	0.146	0.138	5.1	292#	-0.02
64	T	LINDANE-BHC ISOMER (GAMA)	0.141	0.123	12.9	268#	-0.02
65	T	PHENANTHRENE	1.030	1.035	-0.5	299#	-0.02
66	T	ANTHRACENE	1.050	1.039	1.1	293#	0.00
67	T	BHC ISOMER (DELTA)	0.132	0.109	17.5	248#	0.00
68	T	CARBAZOLE	0.958	0.972	-1.5	299#	0.00
69	T	HEPTACHLOR	0.231	0.222	3.8	286#	0.00
70	T	DIBUTYLPHTHALATE	1.494	1.509	-1.0	295#	0.00
71	T	ALDRIN	0.248	0.272	-9.7	342#	0.00
72	T	HEPTACHLOR EPOXIDE	0.165	0.158	3.8	299#	-0.02
73	T	FLUORANTHENE	1.089	1.101	-1.0	298#	-0.02
74	I	CHRYSENE-D12	1.000	1.000	0.0	309#	-0.01
75	M	PYRENE	1.232	1.148	6.8	297#	-0.02
76	T	ENDOSULFAN I	0.037	0.031	16.9	260#	-0.02
77	T	P,P-DDE	0.285	0.273	4.3	292#	0.00
78	S	P-TERPHENYL-D14	1.032	0.938	9.1	287#	-0.02

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\03129A22.D Vial: 22
Acq On : 13 Mar 99 9:58 pm Operator: ESAT
Sample : 50 BNA STD Inst : 5988
Misc : American Glue & Resin P#99187 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\03129A02.M
Title : semivolatiles
Last Update : Sat Mar 13 11:22:04 1999
Response via : Single Level Calibration

Min. RRF : 0.010 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
79	T	DIELDRIN	0.321	0.323	-0.6	333#	0.00
80	T	ENDRIN	0.105	0.091	13.1	292#	0.00
81	T	ENDOSULFAN II	0.040	0.033	16.4	279#	-0.01
82	T	P,P-DDD	0.503	0.484	3.8	300#	0.00
83	T	BUTYLBENZYLPHTHALATE	0.722	0.656	9.0	285#	-0.01
84	T	P,P-DDT	0.411	0.314	23.7	229#	-0.01
85	T	ENDOSULFAN SULFATE	0.088	0.081	8.5	297#	0.00
86	T	METHOXYCHLOR	0.807	0.570	29.4#	215#	-0.01
87	T	ENDRIN KETONE	0.148	0.159	-7.6	362#	-0.01
88	T	3,3-DICHCHLOROBENZIDINE	0.361	0.352	2.6	290#	-0.01
89	T	BENZ(A)ANTHRACENE	1.183	1.003	15.2	267#	-0.01
90	T	CHRYSENE	1.133	0.928	18.1	261#	-0.01
91	T	BIS(2-ETHYLHEXYL)PHTHALATE	1.072	0.918	14.4	263#	-0.01
92	I	PERYLENE-D12	1.000	1.000	0.0	285#	0.00
93	T	DI-N-OCTYLPHTHALATE	1.916	1.887	1.5	277#	0.00
94	T	BENZO(B)FLUORANTHENE	1.263	1.320	-4.5	291#	0.00
95	T	BENZO(K)FLUORANTHENE	1.330	1.410	-6.0	312#	0.00
96	T	BENZO(A)PYRENE	1.205	1.238	-2.7	287#	0.00
97	T	INDENO(1,2,3-CD)PYRENE	0.865	0.890	-2.9	231#	-0.01
98	T	DIBENZO(A,H)ANTHRACENE	0.969	1.041	-7.4	269#	-0.03
99	T	BENZO(GHI)PERYLENE	0.937	0.835	10.9	242#	-0.03

Quantitation Report

Data File : C:\HPCHEM\1\DATA\03129A22.D Vial: 22
Acq On : 13 Mar 99 9:58 pm Operator: ESAT
Sample : 50 BNA STD Inst : 5988
Misc : American Glue & Resin P#99187 Multiplr: 1.00
Quant Time: Mar 14 9:42 1999

Method : C:\HPCHEM\1\METHODS\03129A02.M
Title : semivolatiles
Last Update : Sat Mar 13 11:22:04 1999
Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DICHLOROBENZENE-D4	16.27	150	70450	40.00	ug/ml	-0.01
19) NAPHTHALENE-D8	20.42	136	154714	40.00	ug/ml	-0.01
34) ACENAPHTHENE-D10	26.38	164	77773	40.00	ug/ml	0.00
54) PHENANTHRENE-D10	31.47	188	141713	40.00	ug/ml	-0.02
74) CHRYSENE-D12	40.50	240	135168	40.00	ug/ml	-0.01
92) PERYLENE-D12	45.86	264	111863	40.00	ug/ml	0.00
System Monitoring Compounds						%Recovery
2) FLUOROPHENOL	12.41	112	138864	104.70	ug/ml	52.35%
4) PHENOL-D5	15.29	99	197040	99.25	ug/ml	49.63%
5) 2-CHLOROPHENOL-D4	15.63	132	137454	95.37	ug/ml	47.68%
12) 1,2-DICHLOROBENZENE-D4	16.76	150	79765	47.55	ug/ml	47.55%
20) NITROBENZENE-D5	18.12	82	114651	51.58	ug/ml	51.58%
38) FLUOROBIPHENYL	24.10	172	123429	48.02	ug/ml	48.02%
58) 2,4,6-TRIBROMOPHENOL	29.12	330	57432	98.58	ug/ml	49.29%
78) P-TERPHENYL-D14	36.94	244	158414	47.48	ug/ml	47.48%
Target Compounds						Qvalue
3) ANILINE	15.33	93	98498	52.94	ug/ml#	1
6) PHENOL	15.33	94	201867	98.88	ug/ml#	80
7) BIS(2-CHLOROETHYL) ETHER	15.51	93	96202	47.46	ug/ml#	76
8) 2-CHLOROPHENOL	15.68	128	143241	95.48	ug/ml#	87
9) 1,3-DICHLOROBENZENE	16.09	146	79697	49.52	ug/ml	95
10) 1,4-DICHLOROBENZENE	16.32	146	81447	48.95	ug/ml	96
11) BENZYL ALCOHOL	16.81	79	36308	41.88	ug/ml	97
13) 1,2-DICHLOROBENZENE	16.81	146	73469	47.05	ug/ml	98
14) 2-METHYLPHENOL	17.19	108	63835	48.37	ug/ml#	89
15) BIS(2-CHLOROISOPROPYL)ETHE	17.16	45	153589	46.60	ug/ml	94
16) 4-METHYLPHENOL	17.70	107	94120	51.56	ug/ml	96
17) N-NITROSODIPROPYLAMINE	17.63	70	80201	46.67	ug/ml#	67
18) HEXACHLOROETHANE	17.85	117	37240	47.00	ug/ml	98
21) NITROBENZENE	18.18	77	113112	50.66	ug/ml	89
22) ISOPHORONE	18.97	82	206608	51.15	ug/ml#	92
23) 2-NITROPHENOL	19.22	139	80164	100.33	ug/ml	96
24) 2,4-DIMETHYLPHENOL	19.42	107	143057	106.33	ug/ml	96
25) BIS(2-CHLOROETHOXY)METHANE	19.68	93	123481	50.33	ug/ml#	86
26) BENZOIC ACID	19.96	105	48675	43.66	ug/ml	84
27) 2,4-DICHLOROPHENOL	20.03	162	114703	99.67	ug/ml	94
28) 1,2,4-TRICHLOROBENZENE	20.23	180	62743	50.61	ug/ml	94
29) NAPHTHALENE	20.49	128	203498	50.01	ug/ml	98
30) 4-CHLOROANILINE	20.79	127	74971	51.35	ug/ml	99
31) HEXACHLOROBUTADIENE	20.87	225	36066	52.95	ug/ml	93
32) 4-CHLORO-3-METHYLPHENOL	22.46	107	134932	97.01	ug/ml	95

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\03129A22.D Vial: 22
Acq On : 13 Mar 99 9:58 pm Operator: ESAT
Sample : 50 BNA STD Inst : 5988
Misc : American Glue & Resin P#99187 Multiplr: 1.00
Quant Time: Mar 14 9:42 1999

Method : C:\HPCHEM\1\METHODS\03129A02.M
Title : semivolatiles
Last Update : Sat Mar 13 11:22:04 1999
Response via : Single Level Calibration

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
33)	2-METHYLNAPHTHALENE	22.83	142	126683	50.00	ug/ml	92
35)	HEXACHLOROCYCLOPENTADIENE	23.32	237	26700	38.72	ug/ml	97
36)	2,4,6-TRICHLOROPHENOL	23.85	196	74223	102.71	ug/ml	98
37)	2,4,5-TRICHLOROPHENOL	24.03	196	37041	50.42	ug/ml	99
39)	2-CHLORONAPHTHALENE	24.49	162	117842	48.50	ug/ml	93
40)	2-NITROANILINE	24.98	138	48348	49.82	ug/ml	82
41)	DIMETHYLPHTHALATE	25.55	163	148504	49.35	ug/ml#	89
42)	ACENAPHTHYLENE	25.90	152	188010	48.60	ug/ml#	94
43)	2,6-DINITROTOLUENE	25.79	165	34866	48.94	ug/ml	89
44)	3-NITROANILINE	26.42	65	69698	47.69	ug/ml	97
45)	ACENAPHTHENE	26.49	154	102629	49.33	ug/ml	95
46)	2,4-DINITROPHENOL	26.76	184	24935	66.73	ug/ml	89
47)	DIBENZOFURAN	27.09	168	164303	48.11	ug/ml	98
48)	4-NITROPHENOL	27.16	65	59102	92.71	ug/ml#	59
49)	2,4-DINITROTOLUENE	27.18	165	45823	47.16	ug/ml#	89
50)	DIETHYLPHTHALATE	27.97	149	154747	49.24	ug/ml	97
51)	FLUORENE	28.27	166	120697	48.06	ug/ml	96
52)	4-CHLOROPHENYL-PHENYLETHER	28.28	204	57587	49.30	ug/ml#	85
53)	4-NITROANILINE	28.56	65	52671	43.94	ug/ml	88
55)	4,6-DINITRO-2-METHYLPHENOL	28.56	198	41144	78.23	ug/ml	91
56)	N-NITROSODIPHENYLAMINE	28.73	169	85771	49.67	ug/ml	98
57)	DIPHENYLHYDRAZINE(AZOBENZE	28.83	77	225899	48.74	ug/ml	93
59)	4-BROMOPHENYL-PHENYLETHER	29.96	248	42500	49.62	ug/ml#	78
60)	BHC ISOMER (ALPHA)	29.99	181	26117	49.54	ug/ml	97
61)	HEXACHLOROBENZENE	30.11	284	55327	48.88	ug/ml	97
62)	BHC ISOMER (BETA)	30.81	181	20281	49.19	ug/ml	95
63)	PENTACHLOROPHENOL	30.87	266	48956	82.99	ug/ml	91
64)	LINDANE-BHC ISOMER (GAMA)	31.01	181	21700	48.57	ug/ml	91
65)	PHENANTHRENE	31.56	178	183332	49.13	ug/ml	98
66)	ANTHRACENE	31.74	178	183978	49.57	ug/ml	99
67)	BHC ISOMER (DELTA)	31.89	181	19289	46.19	ug/ml	93
68)	CARBAZOLE	32.37	167	172226	48.98	ug/ml	100
69)	HEPTACHLOR	33.14	100	39300	46.43	ug/ml#	70
70)	DIBUTYLPHTHALATE	33.54	149	267250	50.02	ug/ml	99
71)	ALDRIN	34.19	66	48183	48.24	ug/ml	93
72)	HEPTACHLOR EPOXIDE	35.26	81	28070	47.28	ug/ml#	87
73)	FLUORANTHENE	35.61	202	194980	49.26	ug/ml	94
75)	PYRENE	36.40	202	194029	48.50	ug/ml	94
76)	ENDOSULFAN I	36.33	195	5232	47.60	ug/ml#	60
77)	P,P-DDE	36.75	246	46124	50.16	ug/ml#	82
79)	DIELDRIN	37.05	79	54512	49.20	ug/ml#	95
80)	ENDRIN	37.66	81	15358	44.27	ug/ml#	73
81)	ENDOSULFAN II	37.95	195	5614	45.38	ug/ml#	58

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\03129A22.D
Acq On : 13 Mar 99 9:58 pm
Sample : 50 BNA STD
Misc : American Glue & Resin P#99187
Quant Time: Mar 14 9:42 1999

Vial: 22
Operator: ESAT
Inst : 5988
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\03129A02.M
Title : semivolatiles
Last Update : Sat Mar 13 11:22:04 1999
Response via : Single Level Calibration

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
82)	P,P-DDD	37.91	235	81740	51.33 ug/ml#	91
83)	BUTYLBENZYLPHTHALATE	38.65	149	110906	48.43 ug/ml	86
84)	P,P-DDT	38.90	235	53000	41.32 ug/ml#	88
85)	ENDOSULFAN SULFATE	38.97	272	13648	44.09 ug/ml#	68
86)	METHOXYCHLOR	40.29	227	96254	42.42 ug/ml	100
87)	ENDRIN KETONE	40.27	67	26929	46.37 ug/ml#	87
88)	3,3-DICHCHLOROBENZIDINE	40.46	252	59444	47.66 ug/ml	95
89)	BENZ(A)ANTHRACENE	40.46	228	169509	48.23 ug/ml	96
90)	CHRYSENE	40.60	228	156772	47.02 ug/ml	97
91)	BIS(2-ETHYLHEXYL)PHTHALATE	40.57	149	155021	49.44 ug/ml	99
93)	DI-N-OCTYLPHTHALATE	42.78	149	263846	51.46 ug/ml	99
94)	BENZO(B)FLUORANTHENE	44.26	252	184540	50.88 ug/ml#	91
95)	BENZO(K)FLUORANTHENE	44.37	252	197195	51.03 ug/ml#	92
96)	BENZO(A)PYRENE	45.62	252	173047	49.96 ug/ml#	91
97)	INDENO(1,2,3-CD)PYRENE	51.51	276	124449	45.69 ug/mlm	94
98)	DIBENZO(A,H)ANTHRACENE	51.64	278	145509	45.86 ug/ml#	92
99)	BENZO(GHI)PERYLENE	53.20	276	116728	48.02 ug/ml#	73

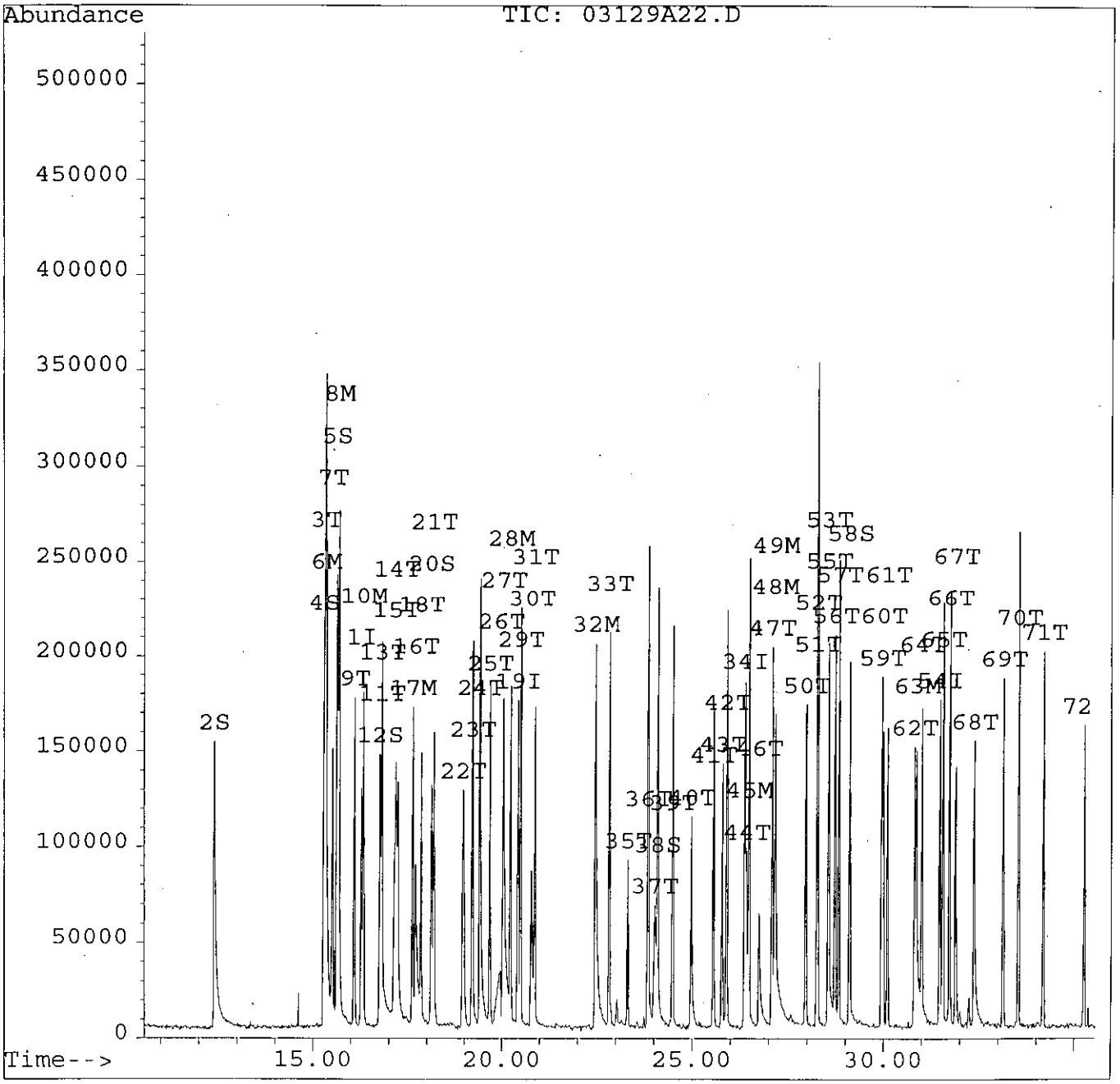
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\03129A22.D
Acq On : 13 Mar 99 9:58 pm
Sample : 50 BNA STD
Misc : American Glue & Resin P#99187
Quant Time: Mar 14 9:42 1999

Vial: 22
Operator: ESAT
Inst : 5988
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\03129A02.M
Title : semivolatiles
Last Update : Sat Mar 13 11:22:04 1999
Response via : Single Level Calibration

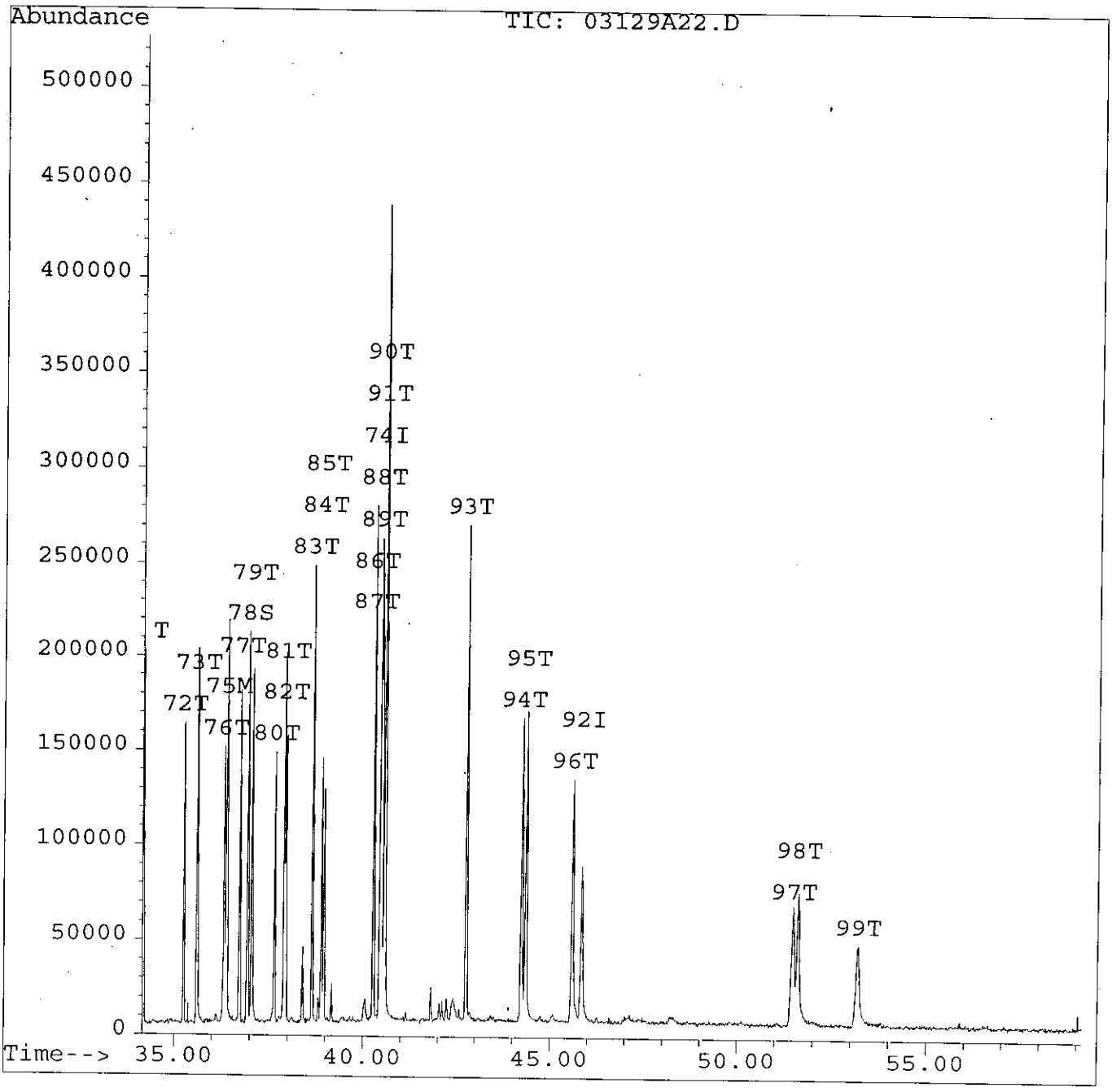


Quantitation Report

Data File : C:\HPCHEM\1\DATA\03129A22.D
Acq On : 13 Mar 99 9:58 pm
Sample : 50 BNA STD
Misc : American Glue & Resin P#99187
Quant Time: Mar 14 9:42 1999

Vial: 22
Operator: ESAT
Inst : 5988
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\03129A02.M
Title : semivolatiles
Last Update : Sat Mar 13 11:22:04 1999
Response via : Single Level Calibration



Continuing Calibration Report 5988

Method : C:\HPCHEM\1\METHODS\03149A01.M
Title : semivolatiles
Last Update : Sun Mar 14 11:59:08 1999
Response via : Continuing Calibration

Continuing Calibration File: 03149A02.D

Min. RRF : 0.010 Min. Rel. Area : 50%
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%
1	I	1,4-DICHLOROBENZENE-D4	1.000	1.000	0.0	263#
2	S	FLUOROPHENOL	0.714	0.814	-14.0	294#
3	T	ANILINE	1.177	0.992	15.7	220#
4	S	PHENOL-D5	1.069	1.120	-4.8	282#
5	S	2-CHLOROPHENOL-D4	0.869	0.806	7.3	268#
6	M	PHENOL	1.098	1.212	-10.4	307#
7	T	BIS(2-CHLOROETHYL) ETHER	1.056	1.133	-7.3	310#
8	M	2-CHLOROPHENOL	0.838	0.836	0.3	294#
9	T	1,3-DICHLOROBENZENE	0.920	0.902	1.9	286#
10	M	1,4-DICHLOROBENZENE	0.942	0.914	3.0	290#
11	T	BENZYL ALCOHOL	0.597	0.764	-28.0#	348#
12	S	1,2-DICHLOROBENZENE-D4	0.986	0.923	6.5	270#
13	T	1,2-DICHLOROBENZENE	0.873	0.871	0.3	288#
14	T	2-METHYLPHENOL	0.760	0.812	-6.9	313#
15	T	BIS(2-CHLOROISOPROPYL)ETHER	1.142	1.901	-66.5#	515#
16	T	4-METHYLPHENOL	0.971	1.207	-24.4	323#
17	M	N-NITROSODIPROPYLAMINE	0.774	0.989	-27.9#	374#
18	T	HEXACHLOROETHANE	0.448	0.457	-2.0	291#
19	I	NAPHTHALENE-D8	1.000	1.000	0.0	295#
20	S	NITROBENZENE-D5	0.516	0.616	-19.4	344#
21	T	NITROBENZENE	0.560	0.623	-11.3	355#
22	T	ISOPHORONE	0.927	1.073	-15.8	346#
23	T	2-NITROPHENOL	0.200	0.212	-5.7	314#
24	T	2,4-DIMETHYLPHENOL	0.389	0.376	3.1	285#
25	T	BIS(2-CHLOROETHOXY)METHANE	0.574	0.647	-12.8	342#
26	T	BENZOIC ACID	0.252	0.284	-13.1	333#
27	T	2,4-DICHLOROPHENOL	0.278	0.294	-5.7	294#
28	M	1,2,4-TRICHLOROBENZENE	0.313	0.322	-2.8	323#
29	T	NAPHTHALENE	1.092	1.062	2.7	298#
30	T	4-CHLOROANILINE	0.341	0.392	-15.0	305#
31	T	HEXACHLOROBUTADIENE	0.195	0.185	5.5	280#
32	M	4-CHLORO-3-METHYLPHENOL	0.338	0.357	-5.8	311#
33	T	2-METHYLNAPHTHALENE	0.698	0.660	5.3	293#
34	I	ACENAPHTHENE-D10	1.000	1.000	0.0	303#
35	T	HEXACHLOROCYCLOPENTADIENE	0.387	0.364	6.0	261#
36	T	2,4,6-TRICHLOROPHENOL	0.393	0.395	-0.5	302#
37	T	2,4,5-TRICHLOROPHENOL	0.403	0.439	-8.9	322#
38	S	FLUOROBIPHENYL	1.463	1.311	10.4	286#
39	T	2-CHLORONAPHTHALENE	1.319	1.269	3.8	294#
40	T	2-NITROANILINE	0.456	0.526	-15.4	332#

(#) = Out of Range

Method : C:\HPCHEM\1\METHODS\03149A01.M
Title : semivolatiles
Last Update : Sun Mar 14 11:59:08 1999
Response via : Continuing Calibration

Continuing Calibration File: 03149A02.D

Min. RRF : 0.010 Min. Rel. Area : 50%
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%
41	T	DIMETHYLPHTHALATE	1.586	1.537	3.1	297#
42	T	ACENAPHTHYLENE	2.068	1.978	4.4	282#
43	T	2,6-DINITROTOLUENE	0.336	0.372	-10.7	314#
44	T	3-NITROANILINE	0.673	0.781	-16.1	393#
45	M	ACENAPHTHENE	1.149	1.110	3.4	301#
46	T	2,4-DINITROPHENOL	0.190	0.198	-4.1	290#
47	T	DIBENZOFURAN	1.822	1.801	1.2	297#
48	M	4-NITROPHENOL	0.338	0.388	-14.7	319#
49	M	2,4-DINITROTOLUENE	0.470	0.509	-8.2	329#
50	T	DIETHYLPHTHALATE	1.649	1.664	-0.9	306#
51	T	FLUORENE	1.400	1.329	5.1	292#
52	T	4-CHLOROPHENYL-PHENYLETHER	0.667	0.644	3.5	300#
53	T	4-NITROANILINE	0.582	0.690	-18.6	410#
54	I	PHENANTHRENE-D10	1.000	1.000	0.0	329#
55	T	4,6-DINITRO-2-METHYLPHENOL	0.139	0.135	3.2	310#
56	T	N-NITROSODIPHENYLAMINE	0.507	0.457	10.0	321#
57	T	DIPHENYLHYDRAZINE(AZOBENZENE)	1.274	1.260	1.1	346#
58	S	2,4,6-TRIBROMOPHENOL	0.147	0.164	-11.6	381#
59	T	4-BROMOPHENYL-PHENYLETHER	0.220	0.229	-4.3	349#
60	T	BHC ISOMER (ALPHA)	0.166	0.140	15.8	294#
61	T	HEXACHLOROBENZENE	0.281	0.299	-6.6	358#
62	T	BHC ISOMER (BETA)	0.132	0.112	15.2	275#
63	M	PENTACHLOROPHENOL	0.146	0.162	-11.3	387#
64	T	LINDANE-BHC ISOMER (GAMA)	0.141	0.123	12.4	305#
65	T	PHENANTHRENE	1.030	1.011	1.8	331#
66	T	ANTHRACENE	1.050	1.040	1.0	333#
67	T	BHC ISOMER (DELTA)	0.132	0.113	14.6	292#
68	T	CARBAZOLE	0.958	0.965	-0.8	336#
69	T	HEPTACHLOR	0.231	0.221	4.2	323#
70	T	DIBUTYLPHTHALATE	1.494	1.419	5.0	314#
71	T	ALDRIN	0.248	0.263	-5.9	374#
72	T	HEPTACHLOR EPOXIDE	0.165	0.155	6.1	330#
73	T	FLUORANTHENE	1.089	1.023	6.0	314#
74	I	CHRYSENE-D12	1.000	1.000	0.0	322#
75	M	PYRENE	1.232	1.173	4.8	316#
76	T	ENDOSULFAN I	0.037	0.031	18.1	267#
77	T	P,P-DDE	0.285	0.271	4.9	303#
78	S	P-TERPHENYL-D14	1.032	0.983	4.7	314#
79	T	DIELDRIN	0.321	0.333	-3.9	358#
80	T	ENDRIN	0.105	0.102	2.2	342#

(#) = Out of Range

Method : C:\HPCHEM\1\METHODS\03149A01.M
Title : semivolatiles
Last Update : Sun Mar 14 11:59:08 1999
Response via : Continuing Calibration

Continuing Calibration File: 03149A02.D

Min. RRF : 0.010 Min. Rel. Area : 50%
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%
81	T	ENDOSULFAN II	0.040	0.036	9.6	314#
82	T	P,P-DDD	0.503	0.467	7.2	301#
83	T	BUTYLBENZYLPHTHALATE	0.722	0.670	7.1	303#
84	T	P,P-DDT	0.411	0.384	6.6	292#
85	T	ENDOSULFAN SULFATE	0.088	0.091	-3.6	350#
86	T	METHOXYCHLOR	0.807	0.675	16.4	265#
87	T	ENDRIN KETONE	0.148	0.168	-13.5	398#
88	T	3,3-DICHCHLOROBENZIDINE	0.361	0.406	-12.6	349#
89	T	BENZ(A)ANTHRACENE	1.183	1.052	11.1	292#
90	T	CHRYSENE	1.133	0.997	12.0	292#
91	T	BIS(2-ETHYLHEXYL)PHTHALATE	1.072	0.939	12.4	281#
92	I	PERYLENE-D12	1.000	1.000	0.0	325#
93	T	DI-N-OCTYLPHTHALATE	1.916	1.756	8.3	294#
94	T	BENZO(B)FLUORANTHENE	1.263	1.311	-3.9	329#
95	T	BENZO(K)FLUORANTHENE	1.330	1.375	-3.4	347#
96	T	BENZO(A)PYRENE	1.205	1.244	-3.3	328#
97	T	INDENO(1,2,3-CD)PYRENE	0.865	1.071	-23.7	316#
98	T	DIBENZO(A,H)ANTHRACENE	0.969	1.202	-24.1	354#
99	T	BENZO(GHI)PERYLENE	0.937	1.059	-13.0	350#

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report

Data File : C:\HPCHEM\1\DATA\03149A02.D
Acq On : 14 Mar 99 10:53 am
Sample : 50 GCMS STD
Misc : American Glue & Resin P#99187
Quant Time: Mar 14 11:54 1999

Vial: 2
Operator: ESAT
Inst : 5988
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\03149A01.M
Title : semivolatiles
Last Update : Sun Mar 14 11:59:08 1999
Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DICHLOROBENZENE-D4	16.27	150	70706	40.00	ug/ml	-0.01
19) NAPHTHALENE-D8	20.42	136	161088	40.00	ug/ml	-0.01
34) ACENAPHTHENE-D10	26.38	164	79386	40.00	ug/ml	0.00
54) PHENANTHRENE-D10	31.47	188	160549	40.00	ug/ml	-0.02
74) CHRYSENE-D12	40.50	240	140856	40.00	ug/ml	0.00
92) PERYLENE-D12	45.84	264	127350	40.00	ug/ml	-0.02
System Monitoring Compounds						%Recovery
2) FLUOROPHENOL	12.40	112	143913	108.11	ug/ml	54.06%
4) PHENOL-D5	15.29	99	198011	99.38	ug/ml	49.69%
5) 2-CHLOROPHENOL-D4	15.63	132	142479	98.50	ug/ml	49.25%
12) 1,2-DICHLOROBENZENE-D4	16.76	150	81556	48.44	ug/ml	48.44%
20) NITROBENZENE-D5	18.11	82	123949	53.55	ug/ml	53.55%
38) FLUOROBIPHENYL	24.10	172	130058	49.57	ug/ml	49.57%
58) 2,4,6-TRIBROMOPHENOL	29.11	330	65720	99.57	ug/ml	49.79%
78) P-TERPHENYL-D14	36.94	244	173125	49.79	ug/ml	49.79%
Target Compounds						Qvalue
3) ANILINE	15.33	93	87699	46.97	ug/ml#	1
6) PHENOL	15.33	94	214271	104.58	ug/ml#	81
7) BIS(2-CHLOROETHYL) ETHER	15.51	93	100146	49.23	ug/ml#	80
8) 2-CHLOROPHENOL	15.68	128	147772	98.14	ug/ml#	83
9) 1,3-DICHLOROBENZENE	16.09	146	79700	49.35	ug/ml	94
10) 1,4-DICHLOROBENZENE	16.33	146	80760	48.36	ug/ml	95
11) BENZYL ALCOHOL	16.80	79	67529	77.61	ug/ml	98
13) 1,2-DICHLOROBENZENE	16.80	146	76940	49.10	ug/ml	98
14) 2-METHYLPHENOL	17.18	108	71736	54.15	ug/ml#	87
15) BIS(2-CHLOROISOPROPYL)ETHE	17.14	45	168018	50.80	ug/ml	94
16) 4-METHYLPHENOL	17.70	107	106691	58.23	ug/ml	98
17) N-NITROSODIPROPYLAMINE	17.63	70	87453	50.71	ug/ml#	65
18) HEXACHLOROETHANE	17.85	117	40357	50.75	ug/ml	94
21) NITROBENZENE	18.18	77	125405	53.95	ug/ml	88
22) ISOPHORONE	18.97	82	216039	51.36	ug/ml#	93
23) 2-NITROPHENOL	19.22	139	85202	102.42	ug/ml	97
24) 2,4-DIMETHYLPHENOL	19.40	107	151554	108.19	ug/ml	98
25) BIS(2-CHLOROETHOXY)METHANE	19.68	93	130344	51.02	ug/ml#	87
26) BENZOIC ACID	19.97	105	57267	49.33	ug/ml	96
27) 2,4-DICHLOROPHENOL	20.03	162	118214	98.66	ug/ml	94
28) 1,2,4-TRICHLOROBENZENE	20.23	180	64834	50.23	ug/ml	96
29) NAPHTHALENE	20.49	128	213777	50.46	ug/ml	99
30) 4-CHLOROANILINE	20.77	127	78993	51.96	ug/ml	96
31) HEXACHLOROBUTADIENE	20.87	225	37169	52.41	ug/ml	96
32) 4-CHLORO-3-METHYLPHENOL	22.46	107	143926	99.38	ug/ml	95

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\03149A02.D
Acq On : 14 Mar 99 10:53 am
Sample : 50 GCMS STD
Misc : American Glue & Resin P#99187
Quant Time: Mar 14 11:54 1999

Vial: 2
Operator: ESAT
Inst : 5988
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\03149A01.M
Title : semivolatiles
Last Update : Sun Mar 14 11:59:08 1999
Response via : Single Level Calibration

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
33)	2-METHYLNAPHTHALENE	22.83	142	132980	50.41	ug/ml	93
35)	HEXACHLOROCYCLOPENTADIENE	23.32	237	36101	51.29	ug/ml	94
36)	2,4,6-TRICHLOROPHENOL	23.85	196	78320	106.18	ug/ml	99
37)	2,4,5-TRICHLOROPHENOL	24.02	196	43599	58.14	ug/ml	88
39)	2-CHLORONAPHTHALENE	24.49	162	125959	50.79	ug/ml	92
40)	2-NITROANILINE	24.97	138	52211	52.71	ug/ml#	75
41)	DIMETHYLPHTHALATE	25.55	163	152545	49.66	ug/ml#	90
42)	ACENAPHTHYLENE	25.90	152	196271	49.70	ug/ml#	93
43)	2,6-DINITROTOLUENE	25.79	165	36880	50.72	ug/ml	89
44)	3-NITROANILINE	26.41	65	77493	51.95	ug/ml	95
45)	ACENAPHTHENE	26.49	154	110103	51.85	ug/ml	95
46)	2,4-DINITROPHENOL	26.74	184	39286	102.99	ug/ml#	84
47)	DIBENZOFURAN	27.09	168	178714	51.27	ug/ml	95
48)	4-NITROPHENOL	27.13	65	76948	118.25	ug/ml#	64
49)	2,4-DINITROTOLUENE	27.17	165	50496	50.91	ug/ml#	92
50)	DIETHYLPHTHALATE	27.99	149	165135	51.48	ug/ml	95
51)	FLUORENE	28.27	166	131857	51.44	ug/ml	96
52)	4-CHLOROPHENYL-PHENYLETHER	28.28	204	63863	53.56	ug/ml#	84
53)	4-NITROANILINE	28.57	65	68495	55.97	ug/ml	91
55)	4,6-DINITRO-2-METHYLPHENOL	28.57	198	54008	90.64	ug/ml	93
56)	N-NITROSODIPHENYLAMINE	28.73	169	91662	46.86	ug/ml	98
57)	DIPHENYLHYDRAZINE(AZOBENZE	28.83	77	252822	48.15	ug/ml	93
59)	4-BROMOPHENYL-PHENYLETHER	29.96	248	45981	47.39	ug/ml#	77
60)	BHC ISOMER (ALPHA)	29.99	181	28001	46.88	ug/ml	98
61)	HEXACHLOROBENZENE	30.10	284	60076	46.85	ug/ml	98
62)	BHC ISOMER (BETA)	30.81	181	22430	48.02	ug/ml	95
63)	PENTACHLOROPHENOL	30.87	266	64999	97.26	ug/ml	94
64)	LINDANE-BHC ISOMER (GAMA)	31.01	181	24712	48.82	ug/ml	94
65)	PHENANTHRENE	31.55	178	202967	48.02	ug/ml	99
66)	ANTHRACENE	31.74	178	208725	49.64	ug/ml	98
67)	BHC ISOMER (DELTA)	31.88	181	22635	47.84	ug/ml	91
68)	CARBAZOLE	32.36	167	193711	48.63	ug/ml	99
69)	HEPTACHLOR	33.13	100	44340	46.24	ug/ml#	59
70)	DIBUTYLPHTHALATE	33.54	149	284804	47.05	ug/ml	100
71)	ALDRIN	34.18	66	52702	46.58	ug/ml	92
72)	HEPTACHLOR EPOXIDE	35.26	81	31013	46.11	ug/ml	95
73)	FLUORANTHENE	35.62	202	205400	45.80	ug/ml#	94
75)	PYRENE	36.39	202	206457	49.52	ug/ml	98
76)	ENDOSULFAN I	36.32	195	5377	46.94	ug/ml#	82
77)	P,P-DDE	36.74	246	47758	49.84	ug/ml#	78
79)	DIELDRIN	37.05	79	58662	50.81	ug/ml#	92
80)	ENDRIN	37.65	81	18011	49.82	ug/ml#	73
81)	ENDOSULFAN II	37.94	195	6326	49.07	ug/ml#	84

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

Data File : C:\HPCHEM\1\DATA\03149A02.D
Acq On : 14 Mar 99 10:53 am
Sample : 50 GCMS STD
Misc : American Glue & Resin P#99187
Quant Time: Mar 14 11:54 1999

Vial: 2
Operator: ESAT
Inst : 5988
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\03149A01.M
Title : semivolatiles
Last Update : Sun Mar 14 11:59:08 1999
Response via : Single Level Calibration

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
82)	P,P-DDD	37.90	235	82174	49.52 ug/ml#	89
83)	BUTYLBENZYLPHTHALATE	38.66	149	118030	49.46 ug/ml#	93
84)	P,P-DDT	38.89	235	67591	50.57 ug/ml#	87
85)	ENDOSULFAN SULFATE	38.96	272	16101	49.92 ug/ml#	81
86)	METHOXYCHLOR	40.28	227	118783	50.24 ug/ml	100
87)	ENDRIN KETONE	40.28	67	29619	48.94 ug/ml#	57
88)	3,3-DICHCHLOROBENZIDINE	40.45	252	71563	55.06 ug/ml	99
89)	BENZ(A)ANTHRACENE	40.46	228	185138	50.55 ug/ml	97
90)	CHRYSENE	40.59	228	175572	50.53 ug/ml	96
91)	BIS(2-ETHYLHEXYL)PHTHALATE	40.56	149	165382	50.62 ug/ml	99
93)	DI-N-OCTYLPHTHALATE	42.77	149	279593	47.90 ug/ml	100
94)	BENZO(B)FLUORANTHENE	44.25	252	208758	50.56 ug/ml#	91
95)	BENZO(K)FLUORANTHENE	44.36	252	218943	49.77 ug/ml#	91
96)	BENZO(A)PYRENE	45.61	252	198058	50.22 ug/ml#	90
97)	INDENO(1,2,3-CD)PYRENE	51.49	276	170453	54.97 ug/ml#	69
98)	DIBENZO(A,H)ANTHRACENE	51.63	278	191378	52.98 ug/ml#	91
99)	BENZO(GHI)PERYLENE	53.21	276	168619	60.94 ug/ml#	72

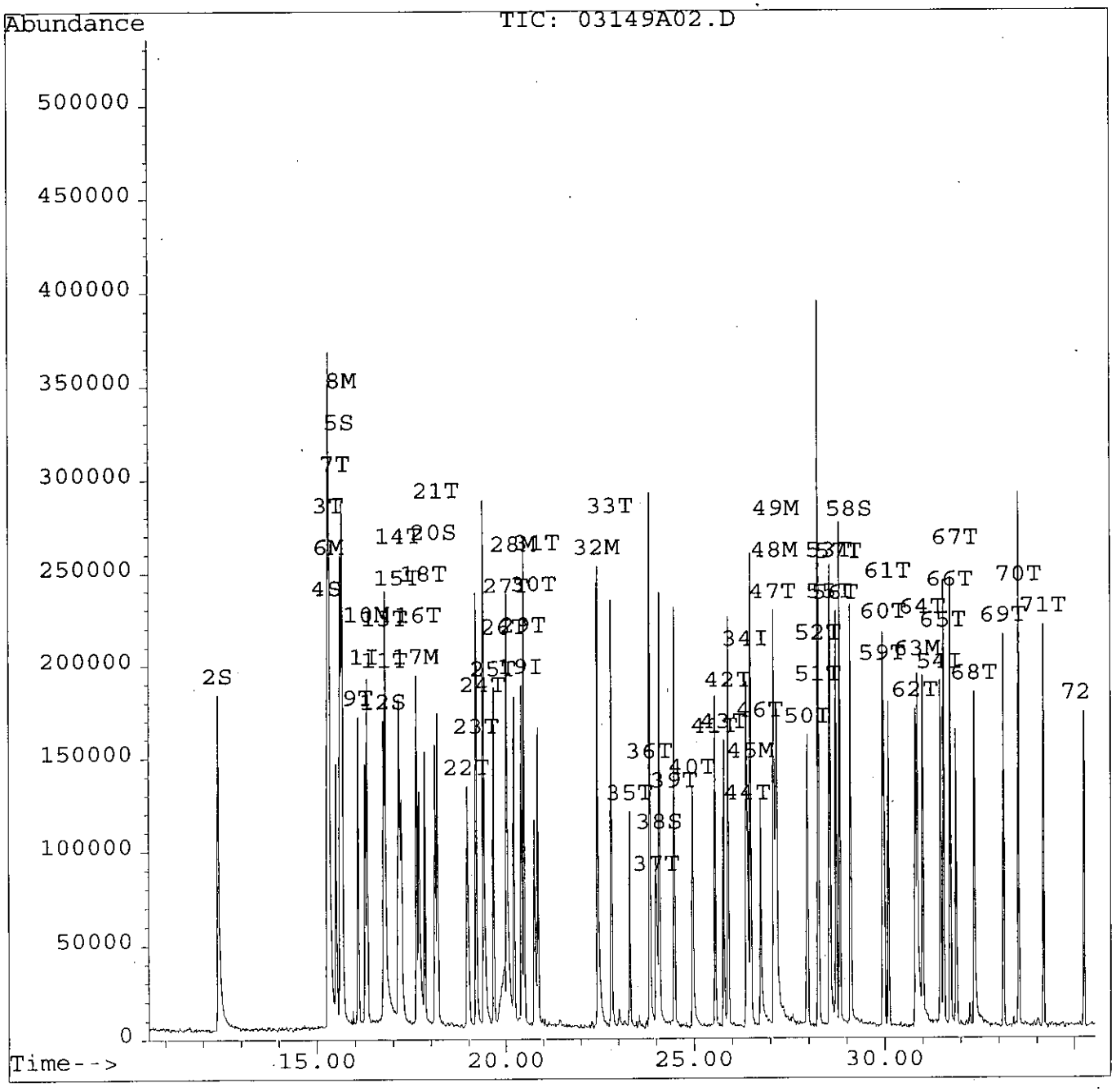
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\03149A02.D
Acq On : 14 Mar 99 10:53 am
Sample : 50 GCMS STD
Misc : American Glue & Resin P#99187
Quant Time: Mar 14 11:54 1999

Vial: 2
Operator: ESAT
Inst : 5988
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\03149A01.M
Title : semivolatiles
Last Update : Sun Mar 14 11:59:08 1999
Response via : Single Level Calibration

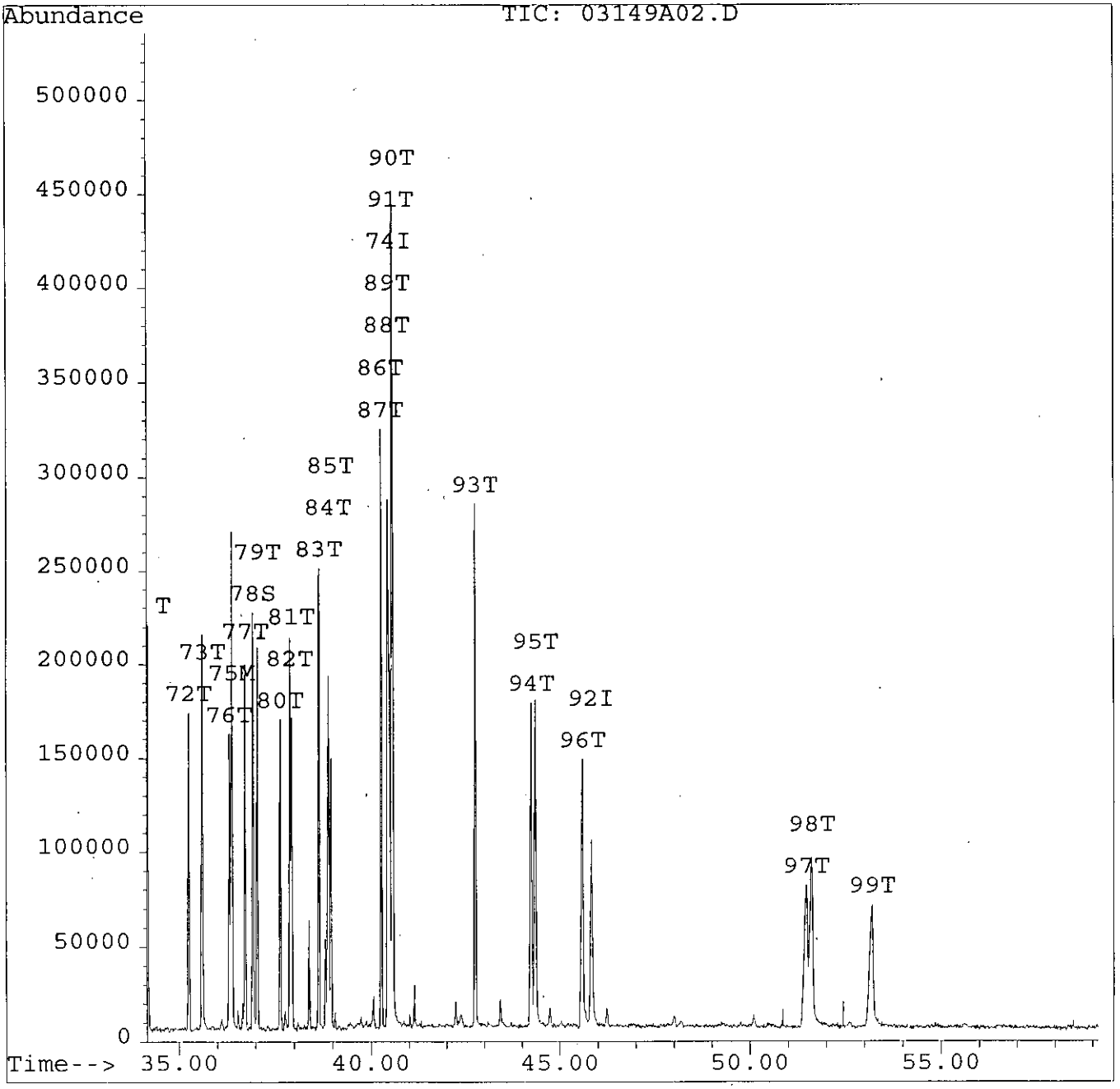


Quantitation Report

Data File : C:\HPCHEM\1\DATA\03149A02.D
Acq On : 14 Mar 99 10:53 am
Sample : 50 GCMS STD
Misc : American Glue & Resin P#99187
Quant Time: Mar 14 11:54 1999

Vial: 2
Operator: ESAT
Inst : 5988
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\03149A01.M
Title : semivolatiles
Last Update : Sun Mar 14 11:59:08 1999
Response via : Single Level Calibration



Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\03149A08.D
Acq On : 14 Mar 99 4:57 pm
Sample : 50 BNA STD
Misc : American Glue & Resin P#99187

Vial: 8
Operator: ESAT
Inst : 5988
Multiplr: 1.00

End of sequence

Method : C:\HPCHEM\1\METHODS\03149A01.M
Title : semivolatiles
Last Update : Sun Mar 14 11:59:08 1999
Response via : Single Level Calibration

Min. RRF : 0.010 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	I	1,4-DICHLOROBENZENE-D4	1.000	1.000	0.0	261#	0.00
2	S	FLUOROPHENOL	0.714	0.809	-13.3	290#	0.01
3	T	ANILINE	1.177	1.048	10.9	231#	0.00
4	S	PHENOL-D5	1.069	1.143	-6.9	286#	0.00
5	S	2-CHLOROPHENOL-D4	0.869	0.791	9.0	261#	0.00
6	M	PHENOL	1.098	1.276	-16.2	321#	0.00
7	T	BIS(2-CHLOROETHYL) ETHER	1.056	1.114	-5.4	302#	-0.01
8	M	2-CHLOROPHENOL	0.838	0.800	4.5	280#	0.00
9	T	1,3-DICHLOROBENZENE	0.920	0.872	5.1	275#	0.00
10	M	1,4-DICHLOROBENZENE	0.942	0.885	6.0	279#	0.00
11	T	BENZYL ALCOHOL	0.597	0.605	-1.3	274#	0.07
12	S	1,2-DICHLOROBENZENE-D4	0.986	0.914	7.3	266#	0.00
13	T	1,2-DICHLOROBENZENE	0.873	0.849	2.7	279#	0.00
14	T	2-METHYLPHENOL	0.760	0.730	3.9	280#	0.02
15	T	BIS(2-CHLOROISOPROPYL)ETHER	1.142	1.712	-50.0#	461#	0.03
16	T	4-METHYLPHENOL	0.971	1.112	-14.6	295#	0.00
17	M	N-NITROSODIPROPYLAMINE	0.774	0.904	-16.8	339#	0.00
18	T	HEXACHLOROETHANE	0.448	0.393	12.3	249#	0.00
19	I	NAPHTHALENE-D8	1.000	1.000	0.0	277#	0.00
20	S	NITROBENZENE-D5	0.516	0.581	-12.7	305#	0.00
21	T	NITROBENZENE	0.560	0.586	-4.8	314#	-0.01
22	T	ISOPHORONE	0.927	1.062	-14.6	321#	-0.01
23	T	2-NITROPHENOL	0.200	0.166	16.9	232#	-0.01
24	T	2,4-DIMETHYLPHENOL	0.389	0.370	4.8	263#	0.00
25	T	BIS(2-CHLOROETHOXY)METHANE	0.574	0.633	-10.4	314#	-0.01
26	T	BENZOIC ACID	0.252	0.152	39.7#	167#	-0.08
27	T	2,4-DICHLOROPHENOL	0.278	0.291	-4.9	274#	0.00
28	M	1,2,4-TRICHLOROBENZENE	0.313	0.312	0.4	293#	0.00
29	T	NAPHTHALENE	1.092	1.038	4.9	273#	0.00
30	T	4-CHLOROANILINE	0.341	0.388	-13.6	282#	0.00
31	T	HEXACHLOROBUTADIENE	0.195	0.179	8.4	255#	0.00
32	M	4-CHLORO-3-METHYLPHENOL	0.338	0.337	0.3	275#	0.00
33	T	2-METHYLNAPHTHALENE	0.698	0.642	7.9	267#	0.00
34	I	ACENAPHTHENE-D10	1.000	1.000	0.0	278#	0.00
35	T	HEXACHLOROCYCLOPENTADIENE	0.387	0.142	63.2#	94	0.00
36	T	2,4,6-TRICHLOROPHENOL	0.393	0.387	1.6	271#	0.00
37	T	2,4,5-TRICHLOROPHENOL	0.403	0.413	-2.3	278#	0.00
38	S	FLUOROBIPHENYL	1.463	1.300	11.1	260#	0.00
39	T	2-CHLORONAPHTHALENE	1.319	1.233	6.5	262#	0.00

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\03149A08.D
Acq On : 14 Mar 99 4:57 pm
Sample : 50 BNA STD
Misc : American Glue & Resin P#99187

Vial: 8
Operator: ESAT
Inst : 5988
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\03149A01.M
Title : semivolatiles
Last Update : Sun Mar 14 11:59:08 1999
Response via : Single Level Calibration

Min. RRF : 0.010 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
40	T	2-NITROANILINE	0.456	0.498	-9.3	288#	0.00
41	T	DIMETHYLPHTHALATE	1.586	1.536	3.2	272#	0.00
42	T	ACENAPHTHYLENE	2.068	1.983	4.1	259#	0.00
43	T	2,6-DINITROTOLUENE	0.336	0.342	-1.8	265#	0.00
44	T	3-NITROANILINE	0.673	0.754	-12.1	349#	0.00
45	M	ACENAPHTHENE	1.149	1.110	3.3	276#	0.00
46	T	2,4-DINITROPHENOL	0.190	0.020	89.5#	27#	0.06
47	T	DIBENZOFURAN	1.822	1.736	4.7	263#	0.00
48	M	4-NITROPHENOL	0.338	0.359	-6.2	271#	0.02
49	M	2,4-DINITROTOLUENE	0.470	0.428	9.0	254#	0.00
50	T	DIETHYLPHTHALATE	1.649	1.605	2.6	271#	-0.02
51	T	FLUORENE	1.400	1.254	10.4	253#	0.00
52	T	4-CHLOROPHENYL-PHENYLETHER	0.667	0.599	10.2	256#	0.00
53	T	4-NITROANILINE	0.582	0.576	1.0	314#	-0.04
54	I	PHENANTHRENE-D10	1.000	1.000	0.0	266#	0.00
55	T	4,6-DINITRO-2-METHYLPHENOL	0.139	0.025	81.8#	47#	-0.02
56	T	N-NITROSODIPHENYLAMINE	0.507	0.518	-2.0	294#	0.00
57	T	DIPHENYLHYDRAZINE(AZOBENZEN	1.274	1.374	-7.8	304#	0.00
58	S	2,4,6-TRIBROMOPHENOL	0.147	0.172	-17.0	322#	0.00
59	T	4-BROMOPHENYL-PHENYLETHER	0.220	0.248	-12.9	305#	0.00
60	T	BHC ISOMER (ALPHA)	0.166	0.147	11.0	251#	0.00
61	T	HEXACHLOROBENZENE	0.281	0.327	-16.4	315#	0.00
62	T	BHC ISOMER (BETA)	0.132	0.115	12.8	228#	0.00
63	M	PENTACHLOROPHENOL	0.146	0.136	6.7	262#	0.00
64	T	LINDANE-BHC ISOMER (GAMA)	0.141	0.120	14.7	240#	0.00
65	T	PHENANTHRENE	1.030	1.045	-1.4	276#	0.00
66	T	ANTHRACENE	1.050	1.067	-1.6	276#	0.00
67	T	BHC ISOMER (DELTA)	0.132	0.112	15.2	234#	0.00
68	T	CARBAZOLE	0.958	0.991	-3.5	279#	0.00
69	T	HEPTACHLOR	0.231	0.178	22.8	210#	0.00
70	T	DIBUTYLPHTHALATE	1.494	1.511	-1.1	270#	0.00
71	T	ALDRIN	0.248	0.281	-13.2	323#	0.00
72	T	HEPTACHLOR EPOXIDE	0.165	0.155	6.1	267#	0.00
73	T	FLUORANTHENE	1.089	1.087	0.2	269#	0.00
74	I	CHRYSENE-D12	1.000	1.000	0.0	291#	0.00
75	M	PYRENE	1.232	1.136	7.8	276#	0.00
76	T	ENDOSULFAN I	0.037	0.033	12.5	257#	0.00
77	T	P,P-DDE	0.285	0.269	5.5	271#	0.00
78	S	P-TERPHENYL-D14	1.032	0.940	8.9	271#	0.00

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\03149A08.D
Acq On : 14 Mar 99 4:57 pm
Sample : 50 BNA STD
Misc : American Glue & Resin P#99187

Vial: 8
Operator: ESAT
Inst : 5988
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\03149A01.M
Title : semivolatiles
Last Update : Sun Mar 14 11:59:08 1999
Response via : Single Level Calibration

Min. RRF : 0.010 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
79	T	DIELDRIN	0.321	0.319	0.4	310#	0.00
80	T	ENDRIN	0.105	0.072	31.0#	218#	-0.01
81	T	ENDOSULFAN II	0.040	0.036	8.9	286#	0.00
82	T	P,P-DDD	0.503	0.482	4.1	281#	0.00
83	T	BUTYLBENZYLPHTHALATE	0.722	0.658	8.8	269#	-0.01
84	T	P,P-DDT	0.411	0.165	59.8#	114	-0.01
85	T	ENDOSULFAN SULFATE	0.088	0.078	11.3	271#	-0.01
86	T	METHOXYCHLOR	0.807	0.287	64.5#	102	0.00
87	T	ENDRIN KETONE	0.148	0.172	-16.1	368#	0.00
88	T	3,3-DICHCHLOROBENZIDINE	0.361	0.341	5.6	264#	0.00
89	T	BENZ(A)ANTHRACENE	1.183	1.019	13.9	255#	0.00
90	T	CHRYSENE	1.133	0.971	14.3	257#	0.00
91	T	BIS(2-ETHYLHEXYL)PHTHALATE	1.072	0.911	15.0	246#	0.00
92	I	PERYLENE-D12	1.000	1.000	0.0	303#	0.00
93	T	DI-N-OCTYLPHTHALATE	1.916	1.674	12.6	261#	0.00
94	T	BENZO(B)FLUORANTHENE	1.263	1.248	1.2	292#	0.00
95	T	BENZO(K)FLUORANTHENE	1.330	1.348	-1.3	317#	0.00
96	T	BENZO(A)PYRENE	1.205	1.237	-2.7	304#	0.00
97	T	INDENO(1,2,3-CD)PYRENE	0.865	1.113	-28.6#	307#	0.00
98	T	DIBENZO(A,H)ANTHRACENE	0.969	1.252	-29.2#	344#	0.00
99	T	BENZO(GHI)PERYLENE	0.937	1.105	-17.9	341#	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report

Data File : C:\HPCHEM\1\DATA\03149A08.D Vial: 8
Acq On : 14 Mar 99 4:57 pm Operator: ESAT
Sample : 50 BNA STD Inst : 5988
Misc : American Glue & Resin P#99187 Multiplr: 1.00
Quant Time: Mar 15 7:40 1999

Method : C:\HPCHEM\1\METHODS\03149A01.M
Title : semivolatiles
Last Update : Sun Mar 14 11:59:08 1999
Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DICHLOROBENZENE-D4	16.27	150	70262	40.00	ug/ml	0.00
19) NAPHTHALENE-D8	20.42	136	151129	40.00	ug/ml	0.00
34) ACENAPHTHENE-D10	26.37	164	72835	40.00	ug/ml	0.00
54) PHENANTHRENE-D10	31.48	188	129612	40.00	ug/ml	0.00
74) CHRYSENE-D12	40.49	240	127200	40.00	ug/ml	0.00
92) PERYLENE-D12	45.85	264	118767	40.00	ug/ml	0.00
System Monitoring Compounds						%Recovery
2) FLUOROPHENOL	12.41	112	142102	99.37	ug/ml	49.68%
4) PHENOL-D5	15.29	99	200804	102.05	ug/ml	51.03%
5) 2-CHLOROPHENOL-D4	15.63	132	138903	98.11	ug/ml	49.05%
12) 1,2-DICHLOROBENZENE-D4	16.76	150	80286	49.53	ug/ml	49.53%
20) NITROBENZENE-D5	18.12	82	109841	47.23	ug/ml	47.23%
38) FLUOROBIPHENYL	24.10	172	118331	49.58	ug/ml	49.58%
58) 2,4,6-TRIBROMOPHENOL	29.11	330	55600	104.79	ug/ml	52.40%
78) P-TERPHENYL-D14	36.94	244	149504	47.81	ug/ml	47.81%
Target Compounds						Qvalue
3) ANILINE	15.33	93	92081	52.83	ug/ml#	1
6) PHENOL	15.33	94	224189	105.29	ug/ml#	83
7) BIS(2-CHLOROETHYL) ETHER	15.50	93	97799	49.14	ug/ml#	74
8) 2-CHLOROPHENOL	15.68	128	140547	95.71	ug/ml#	87
9) 1,3-DICHLOROBENZENE	16.09	146	76623	48.37	ug/ml	98
10) 1,4-DICHLOROBENZENE	16.33	146	77736	48.43	ug/ml	98
11) BENZYL ALCOHOL	16.87	79	53098	39.56	ug/mlm	92
13) 1,2-DICHLOROBENZENE	16.80	146	74569	48.77	ug/ml	96
14) 2-METHYLPHENOL	17.19	108	64115	44.97	ug/ml#	91
15) BIS(2-CHLOROISOPROPYL)ETHE	17.17	45	150371	45.03	ug/ml#	94
16) 4-METHYLPHENOL	17.70	107	97695	46.07	ug/ml	96
17) N-NITROSODIPROPYLAMINE	17.63	70	79353	45.66	ug/ml#	72
18) HEXACHLOROETHANE	17.85	117	34511	43.03	ug/ml	94
21) NITROBENZENE	18.17	77	110790	47.08	ug/ml#	84
22) ISOPHORONE	18.96	82	200676	49.50	ug/mlm	97
23) 2-NITROPHENOL	19.21	139	62856	78.63	ug/ml	93
24) 2,4-DIMETHYLPHENOL	19.40	107	139743	98.28	ug/ml	97
25) BIS(2-CHLOROETHOXY)METHANE	19.67	93	119602	48.90	ug/ml#	83
26) BENZOIC ACID	19.89	105	28671	26.68	ug/ml#	87
27) 2,4-DICHLOROPHENOL	20.03	162	110076	99.25	ug/ml	88
28) 1,2,4-TRICHLOROBENZENE	20.23	180	58905	48.42	ug/ml	97
29) NAPHTHALENE	20.49	128	196131	48.90	ug/ml	99
30) 4-CHLOROANILINE	20.77	127	73213	49.40	ug/ml	94
31) HEXACHLOROBUTADIENE	20.87	225	33789	48.45	ug/ml	96
32) 4-CHLORO-3-METHYLPHENOL	22.46	107	127325	94.30	ug/ml	94

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\03149A08.D Vial: 8
Acq On : 14 Mar 99 4:57 pm Operator: ESAT
Sample : 50 BNA STD Inst : 5988
Misc : American Glue & Resin P#99187 Multiplr: 1.00
Quant Time: Mar 15 7:40 1999

Method : C:\HPCHEM\1\METHODS\03149A01.M
Title : semivolatiles
Last Update : Sun Mar 14 11:59:08 1999
Response via : Single Level Calibration

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
33)	2-METHYLNAPHTHALENE	22.83	142	121333	48.63 ug/ml	93
35)	HEXACHLOROCYCLOPENTADIENE	23.32	237	12957	19.56 ug/ml	99
36)	2,4,6-TRICHLOROPHENOL	23.85	196	70390	97.96 ug/ml	96
37)	2,4,5-TRICHLOROPHENOL	24.02	196	37576	46.97 ug/ml	98
39)	2-CHLORONAPHTHALENE	24.49	162	112277	48.58 ug/ml	93
40)	2-NITROANILINE	24.97	138	45352	47.34 ug/ml#	70
41)	DIMETHYLPHTHALATE	25.56	163	139844	49.96 ug/ml	94
42)	ACENAPHTHYLENE	25.91	152	180559	50.13 ug/ml#	96
43)	2,6-DINITROTOLUENE	25.78	165	31132	46.00 ug/ml#	82
44)	3-NITROANILINE	26.41	65	68663	48.29 ug/ml	95
45)	ACENAPHTHENE	26.49	154	101104	50.04 ug/ml	92
46)	2,4-DINITROPHENOL	26.80	184	3642	10.10 ug/mlm	49
47)	DIBENZOFURAN	27.10	168	158052	48.20 ug/ml	94
48)	4-NITROPHENOL	27.15	65	65354	92.57 ug/ml#	52
49)	2,4-DINITROTOLUENE	27.17	165	38964	42.05 ug/ml#	83
50)	DIETHYLPHTHALATE	27.96	149	146170	48.24 ug/ml	97
51)	FLUORENE	28.26	166	114157	47.18 ug/ml	100
52)	4-CHLOROPHENYL-PHENYLETHER	28.27	204	54529	46.53 ug/ml	89
53)	4-NITROANILINE	28.54	65	52464	41.74 ug/ml	92
55)	4,6-DINITRO-2-METHYLPHENOL	28.55	198	8173	18.75 ug/ml#	81
56)	N-NITROSODIPHENYLAMINE	28.72	169	83849	56.66 ug/ml	96
57)	DIPHENYLHYDRAZINE(AZOBENZE	28.82	77	222597	54.53 ug/ml#	91
59)	4-BROMOPHENYL-PHENYLETHER	29.95	248	40155	54.09 ug/ml#	81
60)	BHC ISOMER (ALPHA)	29.99	181	23891	52.84 ug/ml	96
61)	HEXACHLOROBENZENE	30.10	284	52960	54.60 ug/ml	95
62)	BHC ISOMER (BETA)	30.82	181	18617	51.41 ug/ml	95
63)	PENTACHLOROPHENOL	30.87	266	44013	83.88 ug/ml	92
64)	LINDANE-BHC ISOMER (GAMA)	31.01	181	19439	48.72 ug/ml#	90
65)	PHENANTHRENE	31.56	178	169263	51.65 ug/ml	98
66)	ANTHRACENE	31.73	178	172825	51.28 ug/ml	99
67)	BHC ISOMER (DELTA)	31.88	181	18148	49.66 ug/ml	90
68)	CARBAZOLE	32.36	167	160620	51.35 ug/ml	99
69)	HEPTACHLOR	33.13	100	28832	40.27 ug/ml#	69
70)	DIBUTYLPHTHALATE	33.53	149	244743	53.22 ug/ml	97
71)	ALDRIN	34.18	66	45497	53.47 ug/ml#	90
72)	HEPTACHLOR EPOXIDE	35.26	81	25039	50.00 ug/ml#	92
73)	FLUORANTHENE	35.62	202	176156	53.12 ug/ml	95
75)	PYRENE	36.39	202	180679	48.45 ug/ml	94
76)	ENDOSULFAN I	36.32	195	5184	53.38 ug/ml	99
77)	P,P-DDE	36.74	246	42829	49.65 ug/ml#	84
79)	DIELDRIN	37.05	79	50799	47.95 ug/ml#	95
80)	ENDRIN	37.64	81	11471	35.26 ug/mlm	91
81)	ENDOSULFAN II	37.94	195	5762	50.43 ug/ml	91

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\03149A08.D
Acq On : 14 Mar 99 4:57 pm
Sample : 50 BNA STD
Misc : American Glue & Resin P#99187
Quant Time: Mar 15 7:40 1999

Vial: 8
Operator: ESAT
Inst : 5988
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\03149A01.M
Title : semivolatiles
Last Update : Sun Mar 14 11:59:08 1999
Response via : Single Level Calibration

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
82)	P,P-DDD	37.90	235	76674	51.66	ug/ml#	88
83)	BUTYLBENZYLPHTHALATE	38.64	149	104646	49.09	ug/ml	88
84)	P,P-DDT	38.88	235	26293	21.54	ug/ml	92
85)	ENDOSULFAN SULFATE	38.95	272	12451	42.82	ug/ml	90
86)	METHOXYCHLOR	40.27	227	45562	21.24	ug/ml	95
87)	ENDRIN KETONE	40.27	67	27360	51.15	ug/ml	92
88)	3,3-DICHCHLOROBENZIDINE	40.44	252	54185	41.92	ug/ml	100
89)	BENZ(A)ANTHRACENE	40.45	228	162024	48.46	ug/ml	97
90)	CHRYSENE	40.58	228	154459	48.71	ug/ml	99
91)	BIS(2-ETHYLHEXYL)PHTHALATE	40.56	149	144851	48.49	ug/ml	98
93)	DI-N-OCTYLPHTHALATE	42.76	149	248540	47.66	ug/ml	98
94)	BENZO(B)FLUORANTHENE	44.25	252	185261	47.58	ug/ml#	91
95)	BENZO(K)FLUORANTHENE	44.36	252	200069	48.99	ug/ml#	93
96)	BENZO(A)PYRENE	45.61	252	183675	49.72	ug/ml#	91
97)	INDENO(1,2,3-CD)PYRENE	51.50	276	165168	51.95	ug/ml#	68
98)	DIBENZO(A,H)ANTHRACENE	51.64	278	185830	52.06	ug/ml#	88
99)	BENZO(GHI)PERYLENE	53.21	276	164063	52.16	ug/ml#	73

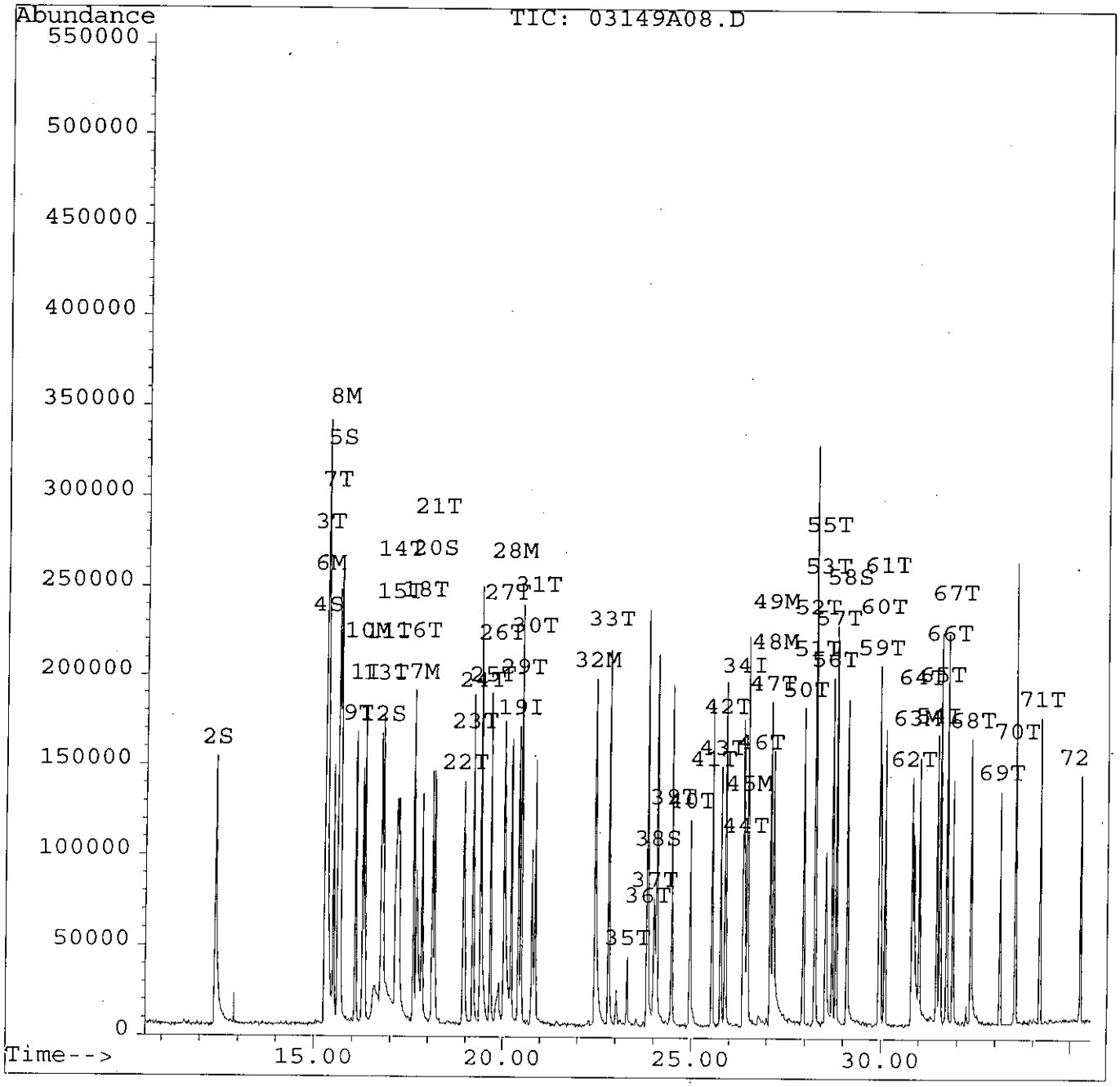
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\03149A08.D
Acq On : 14 Mar 99 4:57 pm
Sample : 50 BNA STD
Misc : American Glue & Resin P#99187
Quant Time: Mar 15 7:40 1999

Vial: 8
Operator: ESAT
Inst : 5988
Multiplr: 1.00

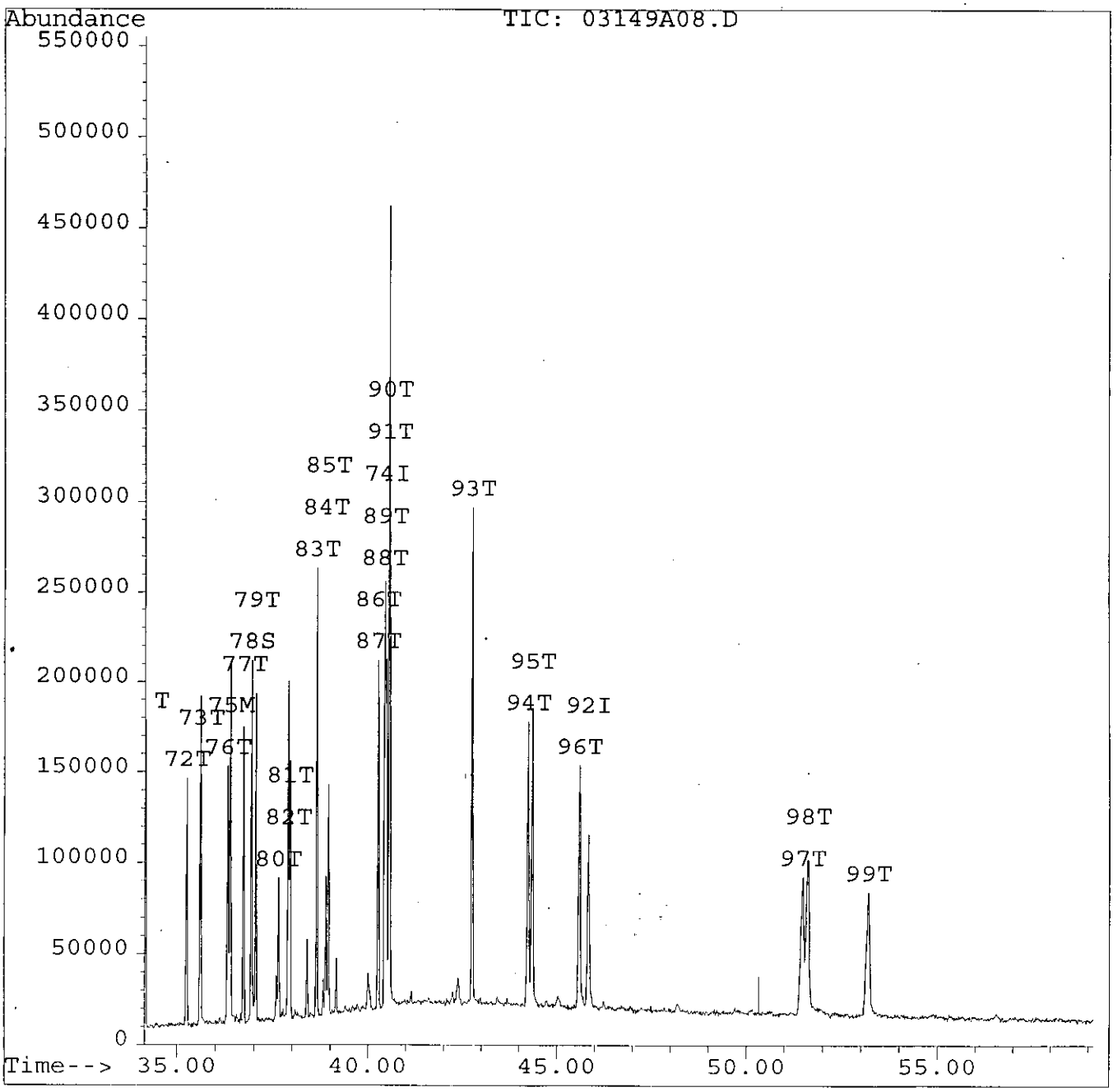
Method : C:\HPCHEM\1\METHODS\03149A01.M
Title : semivolatiles
Last Update : Sun Mar 14 11:59:08 1999
Response via : Single Level Calibration



Data File : C:\HPCHEM\1\DATA\03149A08.D
Acq On : 14 Mar 99 4:57 pm
Sample : 50 BNA STD
Misc : American Glue & Resin P#99187
Quant Time: Mar 15 7:40 1999

Vial: 8
Operator: ESAT
Inst : 5988
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\03149A01.M
Title : semivolatiles
Last Update : Sun Mar 14 11:59:08 1999
Response via : Single Level Calibration



Sequence Name: C:\HPCHEM\1\SEQUENCE\03129A01.S
Comment:
Operator: ESAT
Data Path: C:\HPCHEM\1\DATA\
Pre-Seq Cmd:
Post-Seq Cmd:

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

On A Barcode Mismatch
(X) Inject Anyway
( ) Don't Inject

Line	Type	Vial	DataFile	Method	Sample Name
1	DFTPP	1	03129A01	DFTPPLAN	50 DFTPP
2	DailyCal	2	03129A02	BNALAN	50 GCMS STD
3	Sample	3	03129A03	BNALAN	LAB BLANK
4	Sample	4	03129A04	BNALAN	10 PPM STD
5	Sample	5	03129A05	BNALAN	67827
6	Sample	6	03129A06	BNALAN	67827 MS
7	Sample	7	03129A07	BNALAN	67827 MSD
8	Sample	8	03129A08	BNALAN	67828
9	Sample	9	03129A09	BNALAN	67829 (1:10)D
10	DFTPP	10	03129A10	DFTPPLAN	50 DFTPP
11	DailyCal	11	03129A11	BNALAN	50 BNA STD
12	Sample	12	03129A12	BNALAN	67830(1:10)
13	Sample	13	03129A13	BNALAN	67831(1:10)D
14	Sample	14	03129A14	BNALAN	67832 (1:10)D
15	Sample	15	03129A15	BNALAN	67833(1:10)D
16	Sample	16	03129A16	BNALAN	67834 (1:10)D
17	Sample	17	03129A17	BNALAN	67835
18	Sample	18	03129A18	BNALAN	67836
19	Sample	19	03129A19	BNALAN	67830 1:100D
20	Sample	20	03129A20	BNALAN	67829 1:2
21	DFTPP	21	03129A21	DFTPPLAN	50 DFTPP
22	DailyCal	22	03129A22	BNALAN	50 BNA STD
23	Blank	23	03129A23	MECL	SOLVENT
24					

Sequence Name: C:\HPCHEM\1\SEQUENCE\03149A01.S
Comment:
Operator: ESAT
Data Path: C:\HPCHEM\1\DATA\
Pre-Seq Cmd:
Post-Seq Cmd:

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

On A Barcode Mismatch
(X) Inject Anyway
( ) Don't Inject

Line	Type	Vial	DataFile	Method	Sample Name
1	DFTPP	1	03149A01	DFTPPLAN	50 DFTPP
2	DailyCal	2	03149A02	BNALAN	50 GCMS STD
3	Sample	3	03149A03	BNALAN	67831
4	Sample	4	03149A04	BNALAN	67833
5	Sample	5	03149A05	BNALAN	67834
6	Sample	6	03149A06	BNALAN	67832 1:2
7	DFTPP	7	03149A07	DFTPPLAN	50 DFTPP
8	DailyCal	8	03149A08	BNALAN	50 BNA STD
9	Blank	9	03149A09	MECL	SOLVENT

Last Modified: Sun Mar 14 11:07:29 1999

EPA REGIONAL LABORATORY - HP 5988 GCMS

File #	Disk Dir.	An. Init.	Date	Sample ID	SEQ File	ID File	Site/Survey Name	PN	ALS #	Comments/Archive Info.
03129A	18	Data	SV	3/12/99	67836	03129A01	03129A02	American Glue & Resin	99187	18	
	19				67830 (1:100)					19	
	20				67829 (1:2)					20	
	21				50 DFTPP					21	
	22				50 GCMS STD					22	
	23				MeCl		mcl			23	
03149A01		Data	MT	3/14/99	50 DFTPP	03149A01	DFTPPlan	American Glue & Resin	99187	1	
	02				50 GCMS STD		03149A01			2	
	03				67831					3	
	04				67833					4	
	05				67834					5	
	06				67832 (1:2)					6	
	07				50 DFTPP		DFTPPlan			7	
	08				50 BNA STD		03149A01			8	
	09				MeCl		—			9	

EPA REGIONAL LABORATORY - HP 5988 GCMS

	File #	Disk Dir.	An. Init.	Date	Sample ID	SEQ File	ID File	Site/Survey Name	PN	ALS #	Comments/Archive Info
0302	9A12	Data	mA	3/2/99	50 GCMS STD.	03029A01	03029A01	Senior Center site	99174	12	
	13	↓	↓	↓	Solvent	↓	—	Stoughton	↓	13	
0312	9A01	Data	SV	3/12/99	50 DFTPP	03129A01	DFTPPcm	American Glue & Resin	99187	1	
	02				50 GCMS STD		03129A01			2	
	03				LAB Blank					3	
	04				10 ppm BNA Spike					4	
	05				67827					5	
	06				67827MS					6	
	07				67827MSD					7	
	08				67828					8	
	09				67829 (1:10)		↓			9	
	10				50 DFTPP		DFTPPcm			10	
	11				50 GCMS STD		03129A02			11	
	12				67830 (1:10)					12	
	13				67831 (1:10)					13	
	14				67832 (1:10)					14	
	15				67833 (1:10)					15	
	16				67834 (1:10)					16	
	17	↓	↓	↓	67835	↓	↓	↓	↓	17	

Quantitation Report

Data File : C:\HPCHEM\1\DATA\03129A04.D
Acq On : 12 Mar 99 11:30 am
Sample : 10 PPM STD
Misc : American Glue & Resin P#99187
Quant Time: Mar 13 9:46 1999

Vial: 4
Operator: ESAT
Inst : 5988
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\03129A01.M
Title : semivolatiles
Last Update : Fri Mar 12 11:19:03 1999
Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DICHLOROBENZENE-D4	16.31	150	46357	40.00	ug/ml	0.00
19) NAPHTHALENE-D8	20.46	136	110217	40.00	ug/ml	0.00
34) ACENAPHTHENE-D10	26.40	164	54916	40.00	ug/ml	-0.01
54) PHENANTHRENE-D10	31.50	188	105601	40.00	ug/ml	-0.02
74) CHRYSENE-D12	40.52	240	106896	40.00	ug/ml	0.00
92) PERYLENE-D12	45.89	264	87535	40.00	ug/ml	0.00
System Monitoring Compounds						%Recovery
2) FLUOROPHENOL	12.47	112	147164	166.01	ug/ml	83.01%
4) PHENOL-D5	15.32	99	227265	186.50	ug/ml	93.25%
5) 2-CHLOROPHENOL-D4	15.67	132	155717	169.68	ug/ml	84.84%
12) 1,2-DICHLOROBENZENE-D4	16.80	150	74974	70.91	ug/ml	70.91%
20) NITROBENZENE-D5	18.15	82	123115	75.72	ug/ml	75.72%
38) FLUOROBIPHENYL	24.13	172	144446	78.51	ug/ml	78.51%
58) 2,4,6-TRIBROMOPHENOL	29.15	330	79597	188.43	ug/ml	94.21%
78) P-TERPHENYL-D14	36.97	244	234620	88.66	ug/ml	88.66%
Target Compounds						Qvalue
3) ANILINE	15.39	93	12210	10.51	ug/ml#	38
6) PHENOL	15.35	94	27604	21.60	ug/ml#	82
7) BIS(2-CHLOROETHYL) ETHER	15.54	93	12136	9.72	ug/ml#	84
8) 2-CHLOROPHENOL	15.71	128	19152	20.67	ug/ml#	82
9) 1,3-DICHLOROBENZENE	16.13	146	8970	8.63	ug/ml	95
10) 1,4-DICHLOROBENZENE	16.37	146	9410	9.01	ug/ml	93
11) BENZYL ALCOHOL	17.01	79	4215	7.79	ug/mlm	24
13) 1,2-DICHLOROBENZENE	16.84	146	9190	9.40	ug/ml	96
14) 2-METHYLPHENOL	17.27	108	7235	8.95	ug/ml#	51
15) BIS(2-CHLOROISOPROPYL)ETHE	17.20	45	19008	9.18	ug/ml#	89
16) 4-METHYLPHENOL	17.82	107	8992	8.64	ug/ml#	88
17) N-NITROSODIPROPYLAMINE	17.65	70	9421	9.06	ug/ml#	64
18) HEXACHLOROETHANE	17.89	117	4124	8.78	ug/ml#	89
21) NITROBENZENE	18.21	77	15107	9.33	ug/ml#	84
22) ISOPHORONE	18.97	82	26436	9.09	ug/ml	94
23) 2-NITROPHENOL	19.26	139	8902	16.10	ug/ml#	77
24) 2,4-DIMETHYLPHENOL	19.47	107	16660	18.04	ug/ml#	85
25) BIS(2-CHLOROETHOXY)METHANE	19.72	93	15743	8.85	ug/ml#	88
26) BENZOIC ACID	19.50	105	1505	2.05	ug/mlm	0
27) 2,4-DICHLOROPHENOL	20.17	162	12894	15.76	ug/ml#	86
28) 1,2,4-TRICHLOROBENZENE	20.26	180	7831	8.69	ug/ml#	87
29) NAPHTHALENE	20.53	128	25454	8.43	ug/ml	97
30) 4-CHLOROANILINE	20.89	127	7678	7.14	ug/mlm	84
31) HEXACHLOROBUTADIENE	20.89	225	4423	8.42	ug/ml	96
32) 4-CHLORO-3-METHYLPHENOL	22.56	107	16165	17.34	ug/ml	93

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\03129A04.D
Acq On : 12 Mar 99 11:30 am
Sample : 10 PPM STD
Misc : American Glue & Resin P#99187
Quant Time: Mar 13 9:46 1999

Vial: 4
Operator: ESAT
Inst : 5988
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\03129A01.M
Title : semivolatiles
Last Update : Fri Mar 12 11:19:03 1999
Response via : Single Level Calibration

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
33)	2-METHYLNAPHTHALENE	22.88	142	16762	9.12	ug/ml	91
35)	HEXACHLOROCYCLOPENTADIENE	23.35	237	2818	5.44	ug/ml	87
36)	2,4,6-TRICHLOROPHENOL	23.90	196	9495	18.96	ug/ml#	97
37)	2,4,5-TRICHLOROPHENOL	24.16	196	5365	11.40	ug/mlm	97
39)	2-CHLORONAPHTHALENE	24.53	162	15166	8.94	ug/ml	96
40)	2-NITROANILINE	25.06	138	5932	8.68	ug/mlm	84
41)	DIMETHYLPHTHALATE	25.59	163	21315	9.90	ug/ml#	87
42)	ACENAPHTHYLENE	25.94	152	25918	9.31	ug/ml#	92
43)	2,6-DINITROTOLUENE	25.82	165	4353	8.80	ug/ml#	86
44)	3-NITROANILINE	26.54	65	7468	7.79	ug/mlm	85
45)	ACENAPHTHENE	26.51	154	14337	9.29	ug/ml	90
47)	DIBENZOFURAN	27.14	168	22472	9.20	ug/ml	97
48)	4-NITROPHENOL	27.46	65	5612	14.49	ug/mlm	27
49)	2,4-DINITROTOLUENE	27.22	165	6126	9.13	ug/ml#	89
50)	DIETHYLPHTHALATE	27.98	149	23188	10.43	ug/ml	98
51)	FLUORENE	28.30	166	18538	10.41	ug/ml	85
52)	4-CHLOROPHENYL-PHENYLETHER	28.31	204	9038	10.63	ug/ml	89
53)	4-NITROANILINE	28.66	65	4031	6.04	ug/mlm	83
55)	4,6-DINITRO-2-METHYLPHENOL	28.60	198	4751	12.78	ug/mlm	89
56)	N-NITROSODIPHENYLAMINE	28.74	169	12253	10.01	ug/ml	98
57)	DIPHENYLHYDRAZINE(AZOBENZE	28.86	77	33722	10.01	ug/ml	93
59)	4-BROMOPHENYL-PHENYLETHER	29.97	248	6433	10.40	ug/ml#	81
60)	BHC ISOMER (ALPHA)	30.00	181	4319	11.39	ug/ml	92
61)	HEXACHLOROBENZENE	30.13	284	8727	10.72	ug/ml	90
62)	BHC ISOMER (BETA)	30.84	181	3437	10.69	ug/ml	97
63)	PENTACHLOROPHENOL	30.92	266	4478	12.08	ug/ml	92
64)	LINDANE-BHC ISOMER (GAMA)	31.04	181	3646	10.90	ug/ml	93
65)	PHENANTHRENE	31.58	178	29632	10.74	ug/ml	98
66)	ANTHRACENE	31.76	178	28816	10.62	ug/ml	98
67)	BHC ISOMER (DELTA)	31.92	181	3184	10.05	ug/ml#	87
68)	CARBAZOLE	32.42	167	25345	9.83	ug/ml	97
69)	HEPTACHLOR	33.16	100	6518	10.71	ug/ml#	58
70)	DIBUTYLPHTHALATE	33.56	149	41656	10.49	ug/ml	98
71)	ALDRIN	34.21	66	8101	11.54	ug/ml#	89
72)	HEPTACHLOR EPOXIDE	35.28	81	5029	12.16	ug/ml	96
73)	FLUORANTHENE	35.65	202	32334	10.93	ug/ml	97
75)	PYRENE	36.41	202	32476	10.14	ug/ml	96
77)	P,P-DDE	36.76	246	7136	9.71	ug/ml#	78
79)	DIELDRIN	37.07	79	9693	10.86	ug/ml#	97
80)	ENDRIN	37.67	81	3075	11.52	ug/ml#	95
82)	P,P-DDD	37.92	235	13179	9.96	ug/ml#	87
83)	BUTYLBENZYLPHTHALATE	38.68	149	19034	10.56	ug/ml#	91
84)	P,P-DDT	38.92	235	10310	9.60	ug/ml#	90

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\03129A04.D
Acq On : 12 Mar 99 11:30 am
Sample : 10 PPM STD
Misc : American Glue & Resin P#99187
Quant Time: Mar 13 9:46 1999

Vial: 4
Operator: ESAT
Inst : 5988
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\03129A01.M
Title : semivolatiles
Last Update : Fri Mar 12 11:19:03 1999
Response via : Single Level Calibration

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
85)	ENDOSULFAN SULFATE	38.99	272	2458	9.30	ug/ml#	84
86)	METHOXYCHLOR	40.30	227	19414	10.40	ug/ml	97
87)	ENDRIN KETONE	40.30	67	5432	12.03	ug/ml#	66
88)	3,3-DICHCHLOROBENZIDINE	40.51	252	8644	10.70	ug/ml#	79
89)	BENZ(A)ANTHRACENE	40.48	228	28200	10.11	ug/ml	98
90)	CHRYSENE	40.59	228	29229	11.12	ug/ml	96
91)	BIS(2-ETHYLHEXYL)PHTHALATE	40.59	149	30185	11.71	ug/ml	99
93)	DI-N-OCTYLPHTHALATE	42.78	149	44694	10.56	ug/ml	96
94)	BENZO(B)FLUORANTHENE	44.28	252	29395	10.26	ug/ml#	90
95)	BENZO(K)FLUORANTHENE	44.38	252	33367	11.07	ug/ml#	91
96)	BENZO(A)PYRENE	45.63	252	29267	10.99	ug/ml#	90
97)	INDENO(1,2,3-CD)PYRENE	51.55	276	19364	9.15	ug/ml#	69
98)	DIBENZO(A,H)ANTHRACENE	51.74	278	18876	8.08	ug/ml#	93
99)	BENZO(GHI)PERYLENE	53.26	276	19381	9.28	ug/ml#	73

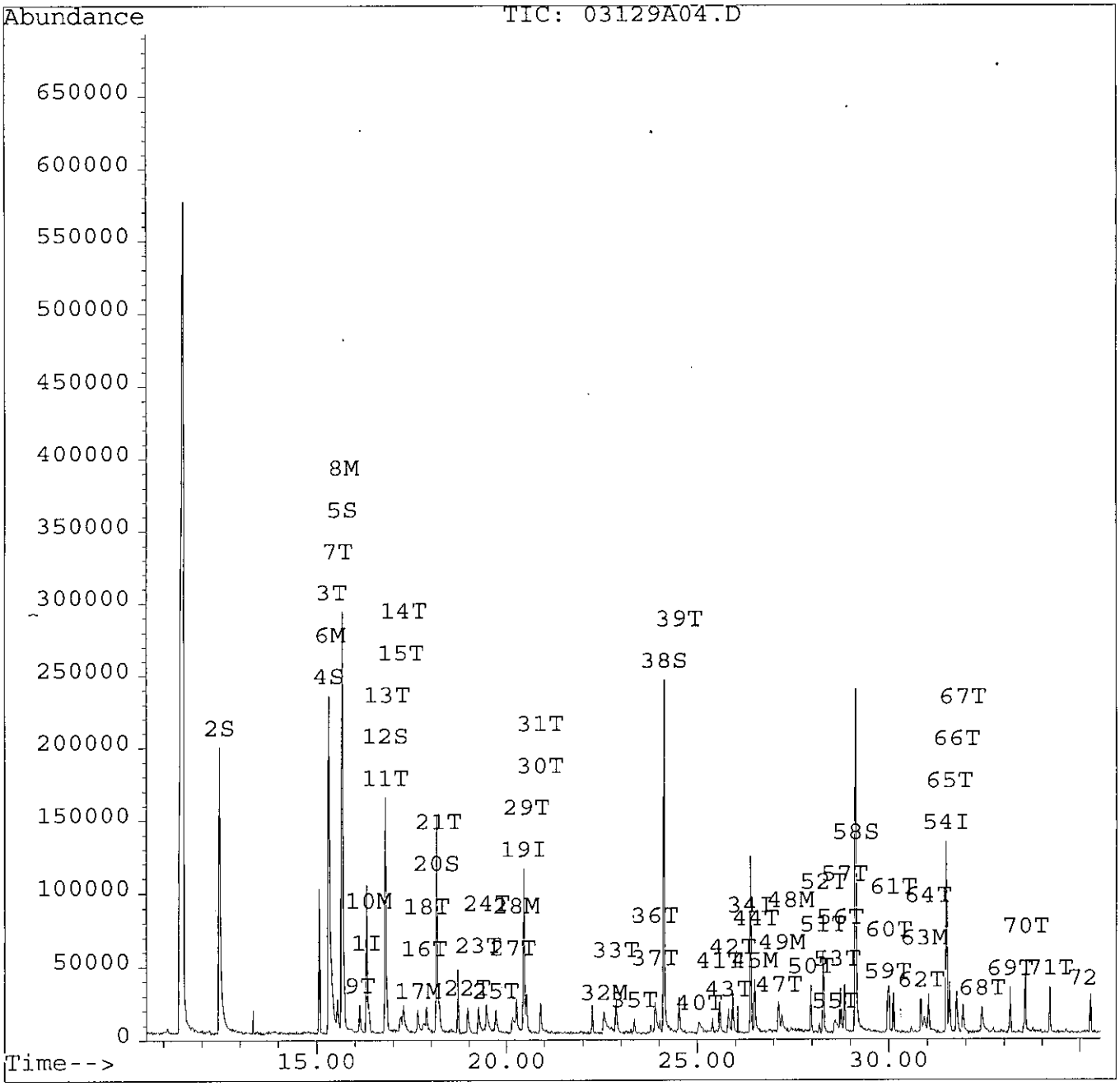
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : c:\hpchem\1\data\03129a04.d
Acq On : 12 Mar 99 11:30 am
Sample : 10 PPM STD
Misc : American Glue & Resin P#99187
Quant Time: Mar 13 8:28 1999

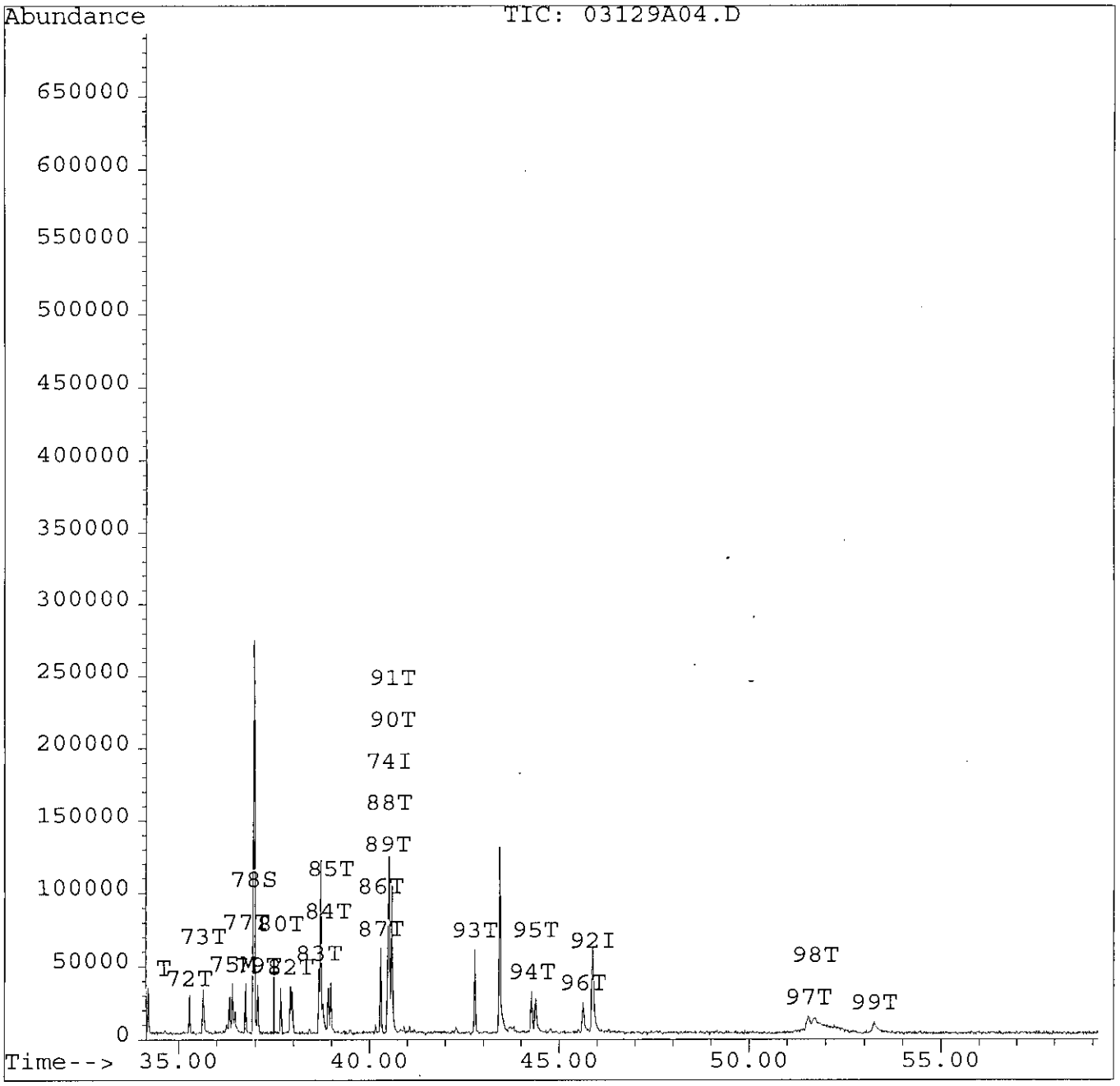
Vial: 4
Operator: ESAT
Inst : 5988
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\03129A01.M
Title : semivolatiles
Last Update : Fri Mar 12 11:19:03 1999
Response via : Single Level Calibration



Quantitation Report

Data File : c:\hpchem\1\data\03129a04.d
Acq On : 12 Mar 99 11:30 am
Sample : 10 PPM STD
Misc : American Glue & Resin P#99187
Quant Time: Mar 13 8:28 1999

Vial: 4
Operator: ESAT
Inst : 5988
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\03129A01.M
Title : semivolatiles
Last Update : Fri Mar 12 11:19:03 1999
Response via : Single Level Calibration