

User: Vinci, David L
 Westchester Dept. of Labs & Research
 Date: 04/18/2002 Time: 15:59:40

Sample: AE08063
 Analysis: \$GCMS GCMS Scan For Unknowns
 Units: ug
 Started: 4/18/2002 15:59 Ended: 4/18/2002 15:59 Analyst: DLV
 Page: 1

	Component Name	Viol	Result	MDL
1	Other unknown compounds		.	
2	Surr_2,4-DDD		78	5.0

Comments for Sample AE08063 - Analysis \$GCMS

Vestchester Dept. of Labs & Research
User: Vinci, David L
Date: 04-18-2002 Time: 16:00:08

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds.

The recovery for 1 of the 43 compounds in the LCS Standard was low.

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\020415\08063.D Vial: 20
 Acq On : 16 Apr 2002 2:21 am Operator: Nefliu
 Sample : sample Inst : Instrumen
 Misc : Multiplr: 1.00
 MS Integration Params: EVENTS.E
 Quant Time: Apr 16 13:48:37 2002 Quant Results File: 041202SCAN.RE

Quant Method : C:\MSDCHEM\1\METHODS\041202SCAN.M (Chemstation Integrator)
 Title : 508 Modified GC/MS scan
 Last Update : Tue Apr 16 11:14:47 2002
 Response via : Initial Calibration
 DataAcq Meth : 508SCAN

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.99	152	6019825	40.00	ug/L	0.00
10) Napthalene-d8	13.49	136	22761953	40.00	ug/L	-0.01
17) Acenapthalene-d10	18.63	164	13452258	40.00	ug/L	0.00
29) Phenanthranene-d10	23.02	188	21070174	40.00	ug/L	0.00
37) Chrysene-d12	30.89	240	17111178	40.00	ug/L	-0.02
43) Perylene-d12	34.79	264	11910400	40.00	ug/L	0.00
System Monitoring Compounds						
27) TCMX	20.60	207	466429	6.25	ug/L	0.00
Spiked Amount	8.000		Recovery	=	78.13%	
Target Compounds						
15) Napthalene	13.54	128	37648	0.06	ug/L	Qvalue 96

 (#) = qualifier out of range (m) = manual integration (+) = signals summed
 08063.D 041202SCAN.M Tue Apr 16 13:51:34 2002 Page 1

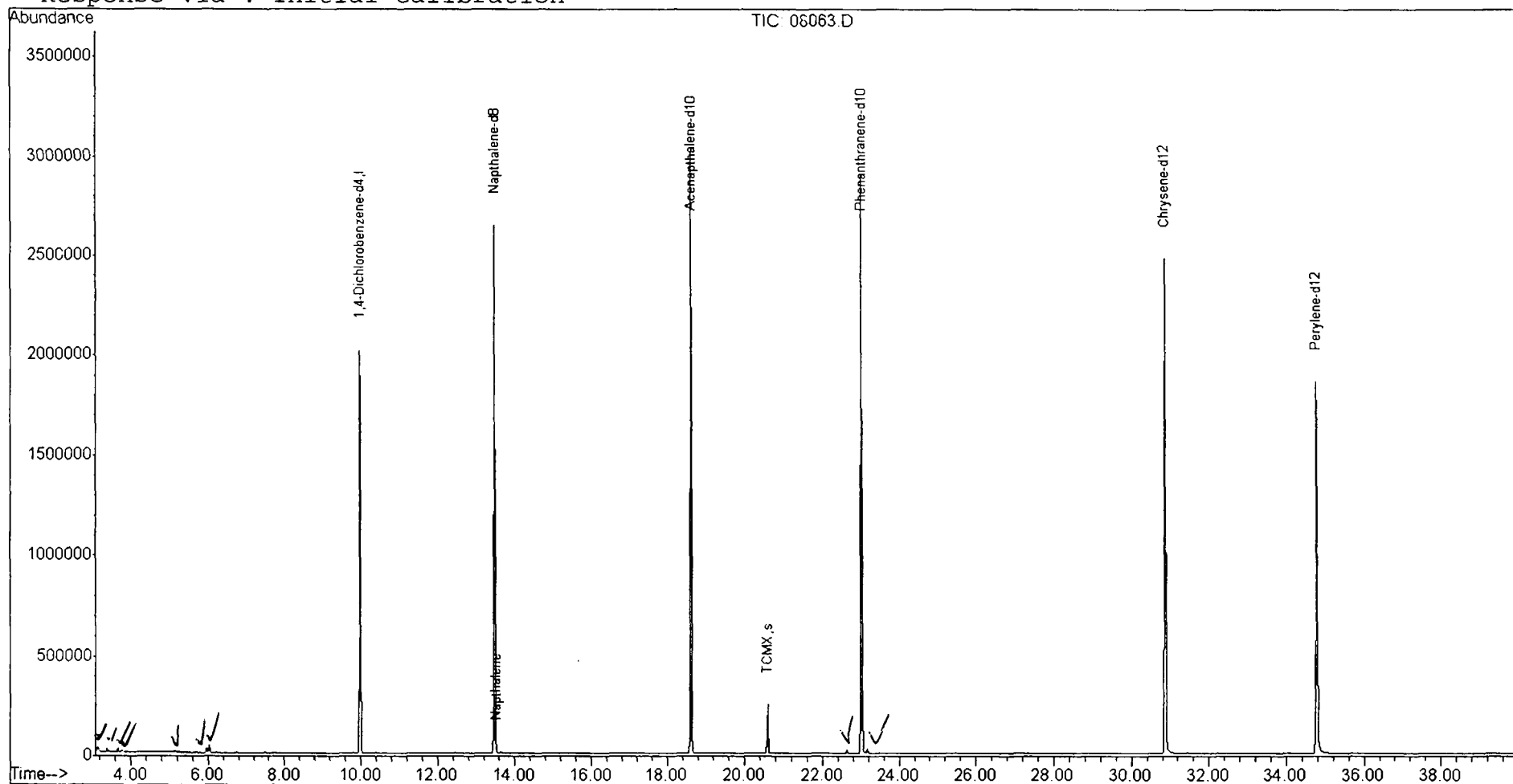
Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\020415\08063.D
Acq On : 16 Apr 2002 2:21 am
Sample : sample
Misc :
MS Integration Params: EVENTS.E
Quant Time: Apr 16 13:51 2002

Vial: 20
Operator: Nefliu
Inst : Instrumen
Multiplr: 1.00

Quant Results File: 041202SCAN.RES

Method : C:\MSDCHEM\1\METHODS\041202SCAN.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Last Update : Tue Apr 16 11:14:47 2002
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\MSDCHEM\1\DATA\020415\08063.D
 Acq On : 16 Apr 2002 2:21 am
 Sample : sample
 Misc :
 MS Integration Params: LSCINT.e

Vial: 20
 Operator: Nefliu
 Inst : Instrumen
 Multiplr: 1.00

Method : C:\MSDCHEM\1\METHODS\041202SCAN.M (Chemstation Integrator)
 Title : 508 Modified GC/MS scan

Signal : TIC

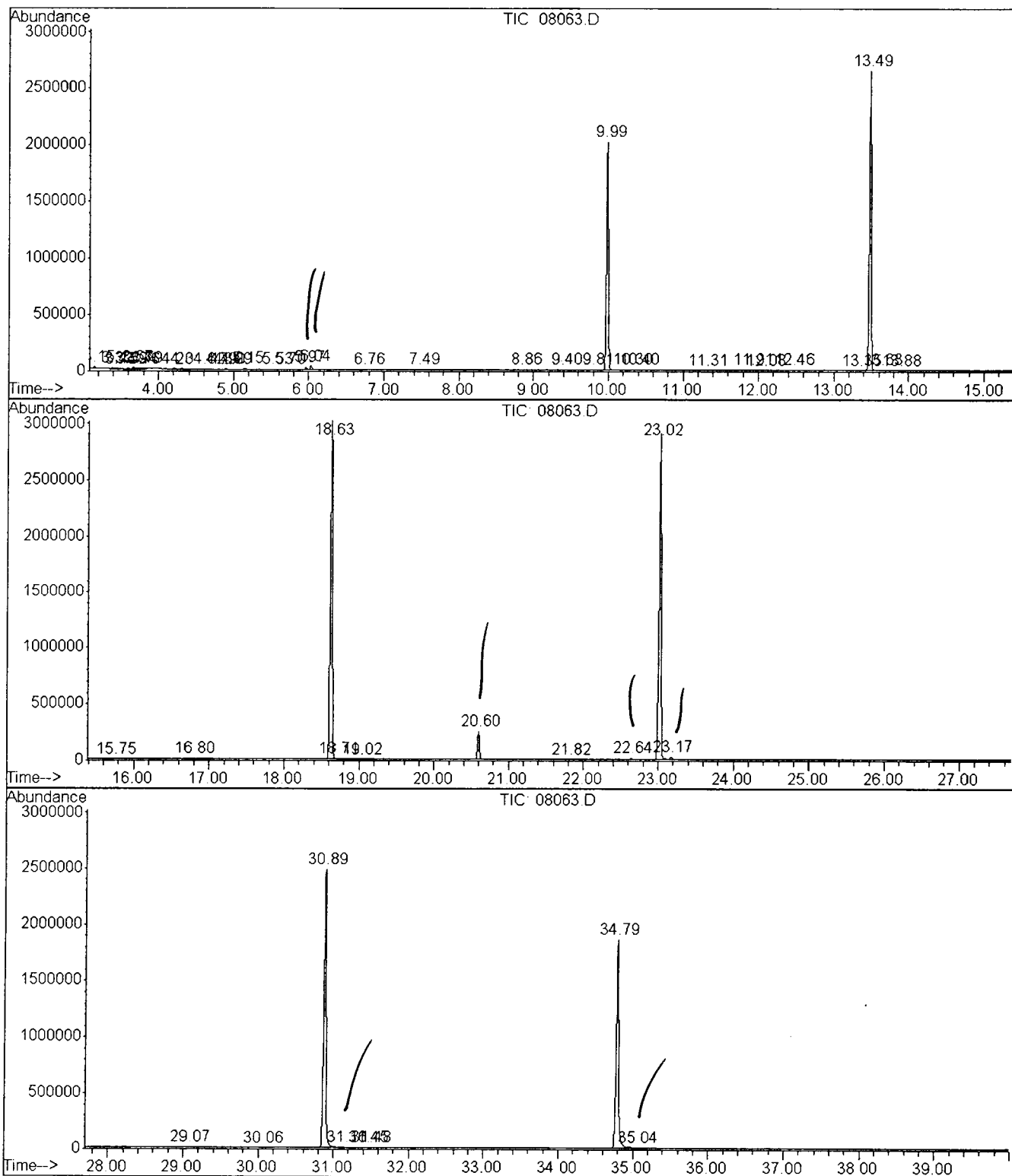
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.156	4	13	26	BV 2	18655	368644	0.67%	0.127%
2	3.391	48	53	58	PV	13667	205497	0.37%	0.071%
3	3.438	58	61	72	VV 7	3072	81221	0.15%	0.028%
4	3.585	83	86	95	PV 4	3610	63667	0.12%	0.022%
5	3.667	95	100	108	VV	17273	315636	0.58%	0.108%
6	3.737	108	112	113	VV 3	3472	63305	0.12%	0.022%
7	3.761	113	116	118	VV 3	4429	58165	0.11%	0.020%
8	3.796	118	122	130	VV 3	6729	187260	0.34%	0.064%
9	4.201	182	191	202	VV 10	3353	161399	0.29%	0.055%
10	4.313	206	210	215	VV 5	3270	74518	0.14%	0.026%
11	4.624	259	263	266	VV 3	2522	39656	0.07%	0.014%
12	4.789	288	291	296	VV 6	3522	56443	0.10%	0.019%
13	4.842	296	300	302	VV 5	2728	41599	0.08%	0.014%
14	4.901	302	310	320	VV 8	3652	130656	0.24%	0.045%
15	4.989	320	325	330	VV 4	3123	67222	0.12%	0.023%
16	5.147	347	352	368	VV 6	11628	270362	0.49%	0.093%
17	5.535	411	418	420	PV 3	1912	32833	0.06%	0.011%
18	5.700	439	446	453	VV 5	2101	49617	0.09%	0.017%
19	5.970	484	492	498	PV	20707	356737	0.65%	0.123%
20	6.035	498	503	513	VV	31848	585692	1.07%	0.201%
21	6.757	616	626	638	BV 5	1834	67070	0.12%	0.023%
22	7.486	744	750	759	VV 7	3804	83761	0.15%	0.029%
23	8.861	978	984	990	PV 3	3315	67764	0.12%	0.023%
24	9.395	1071	1075	1083	VV 5	1930	41556	0.08%	0.014%
25	9.813	1141	1146	1151	VV 3	3334	65431	0.12%	0.022%
26	9.989	1167	1176	1190	VV	1990452	34303533	62.56%	11.788%
27	10.300	1224	1229	1237	VV 4	2792	72597	0.13%	0.025%
28	10.400	1241	1246	1258	VV 5	4221	103783	0.19%	0.036%
29	11.311	1396	1401	1408	VV 5	2001	35348	0.06%	0.012%
30	11.910	1499	1503	1510	VV 3	3608	53423	0.10%	0.018%
31	12.081	1528	1532	1539	VV 3	2665	41895	0.08%	0.014%
32	12.457	1591	1596	1601	VV 2	7085	124799	0.23%	0.043%
33	13.350	1744	1748	1754	VV 3	2351	40114	0.07%	0.014%
34	13.485	1754	1771	1789	VV	2592357	45776844	83.48%	15.731%
35	13.632	1789	1796	1801	VV 2	6688	127933	0.23%	0.044%
36	13.879	1828	1838	1842	VV 6	2969	64201	0.12%	0.022%
37	15.747	2150	2156	2161	VV 4	2401	50082	0.09%	0.017%

38	16.799	2330	2335	2340	VV	3	3676	65648	0.12%	0.023%
39	18.632	2634	2647	2659	VV		2977533	53870267	98.24%	18.512%
40	18.714	2659	2661	2667	VV	3	3399	72612	0.13%	0.025%
41	19.026	2700	2714	2723	VV	4	2458	96502	0.18%	0.033%
42	20.600	2972	2982	2991	VV		246318	4430878	8.08%	1.523%
43	21.822	3186	3190	3195	VV	5	1802	32489	0.06%	0.011%
44	22.645	3322	3330	3342	VV	3	15796	305045	0.56%	0.105%
45	23.027	3382	3395	3414	PV	2	2857793	54837312	100.00%	18.844%
46	23.174	3414	3420	3442	VV	2	21099	538795	0.98%	0.185%
47	29.073	4411	4424	4428	VV	3	3184	78165	0.14%	0.027%
48	30.054	4586	4591	4594	VV	2	1794	30004	0.05%	0.010%
49	30.888	4719	4733	4778	PV	2	2443337	51094544	93.17%	17.558%
50	31.164	4778	4780	4787	VV	3	3088	66445	0.12%	0.023%
51	31.452	4822	4829	4832	VV	5	3391	74801	0.14%	0.026%
52	31.482	4832	4834	4836	VV	2	2301	22220	0.04%	0.008%
53	34.796	5385	5398	5439	PV	2	1829952	41034392	74.83%	14.101%
54	35.042	5439	5440	5449	VV	3	1322	25672	0.05%	0.009%

Sum of corrected areas: 291006056

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\DATA\020415\08063.D
Operator : Nefliu
Acquired : 16 Apr 2002 2:21 am using AcqMethod 508SCAN
Instrument : Instrumen
Sample Name: sample
Misc Info :
Vial Number: 20
Quant File : 041202SCAN.RES (Chemstation Integrator)



Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\020415\08063.D
 Acq On : 16 Apr 2002 2:21 am
 Sample : sample
 Misc :
 MS Integration Params: LSCINT.e

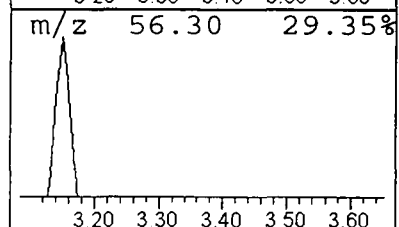
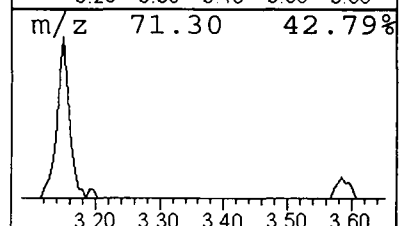
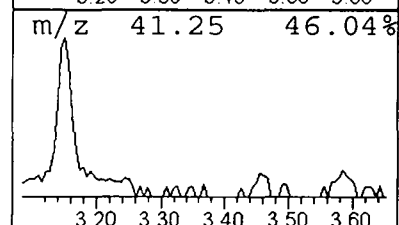
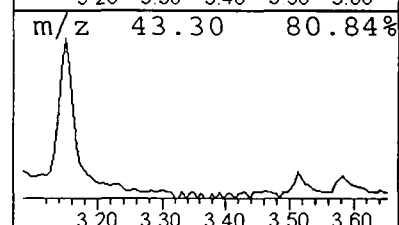
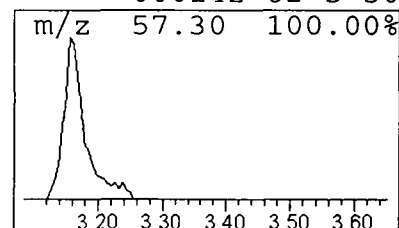
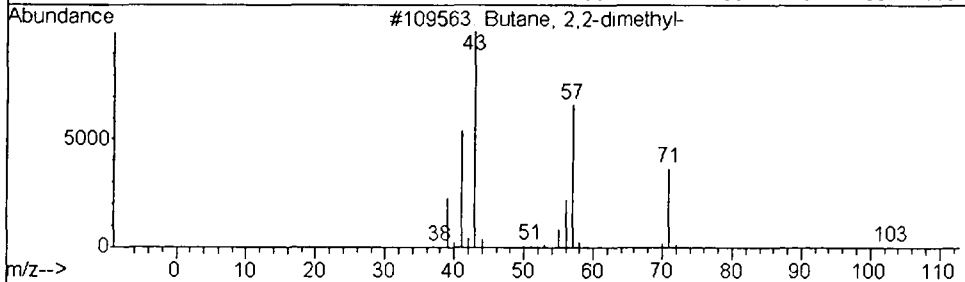
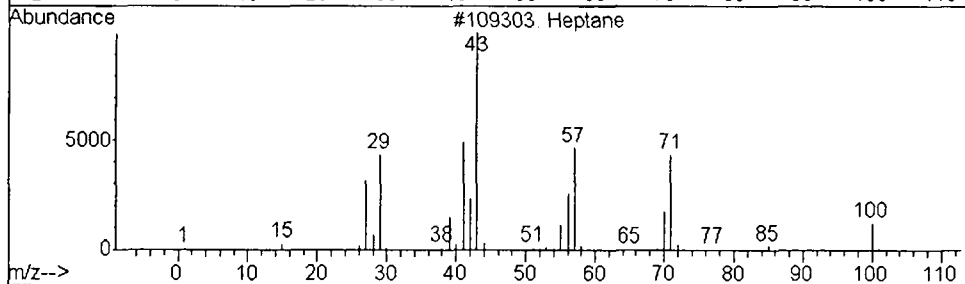
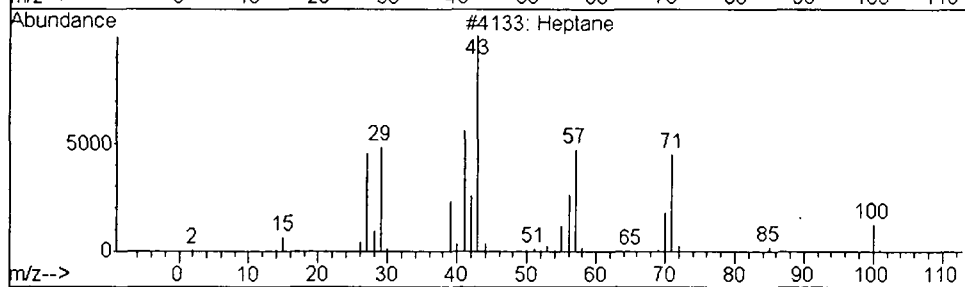
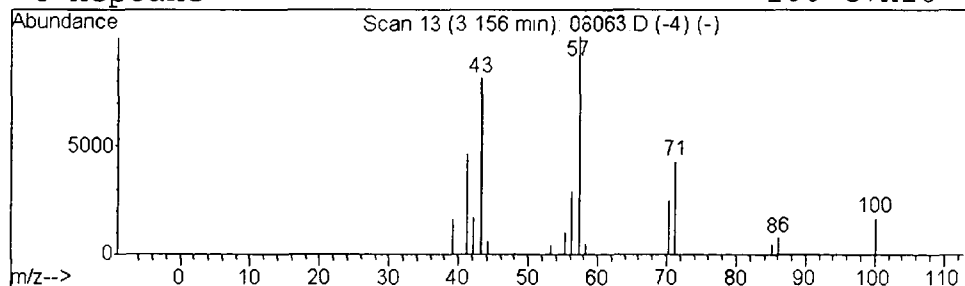
Vial: 20
 Operator: Nefliu
 Inst : Instrumen
 Multiplr: 1.00

Quant Method : C:\MSDCHEM\1\METHODS\041202SCAN.M (Chemstation Integrator)
 Title : 508 Modified GC/MS scan
 Library : C:\DATABASE\NIST98.L

 Peak Number 1 Heptane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.15	0.43 ug/L	368644	1,4-Dichlorobenzene-d4	9.99

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
✓ 1			Heptane	100	C7H16	000142-82-5	64
2			Heptane	100	C7H16	000142-82-5	64
3			Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	50
4			Heptane	100	C7H16	000142-82-5	50



Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\020415\08063.D
 Acq On : 16 Apr 2002 2:21 am
 Sample : sample
 Misc :
 MS Integration Params: LSCINT.e

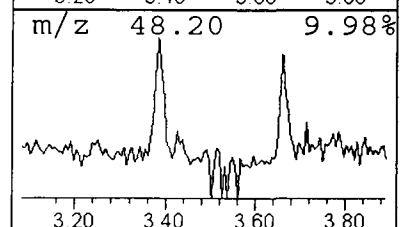
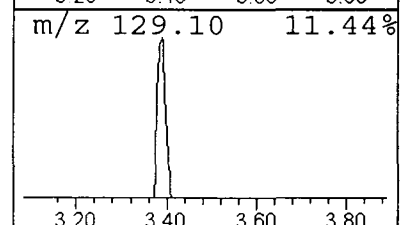
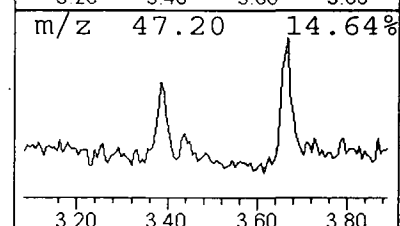
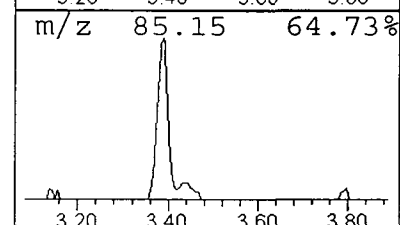
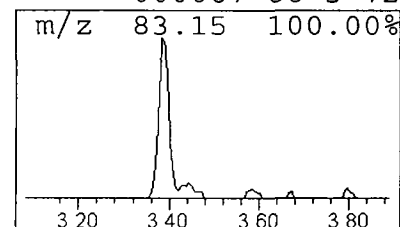
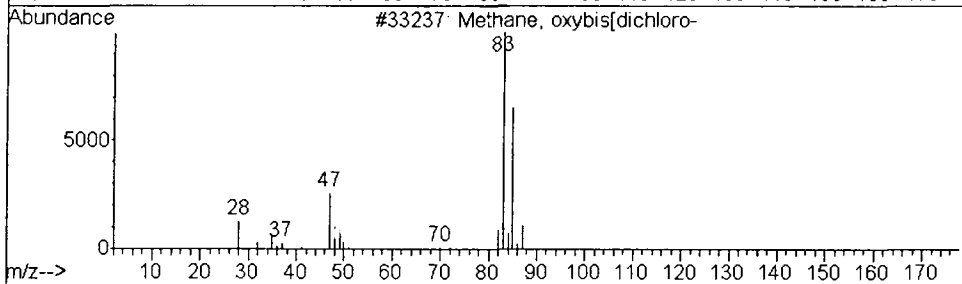
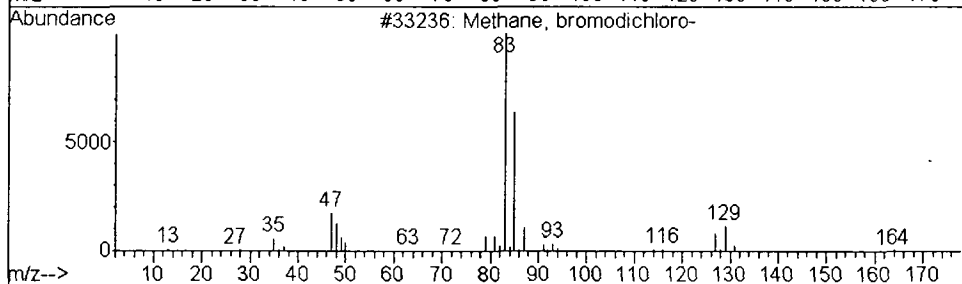
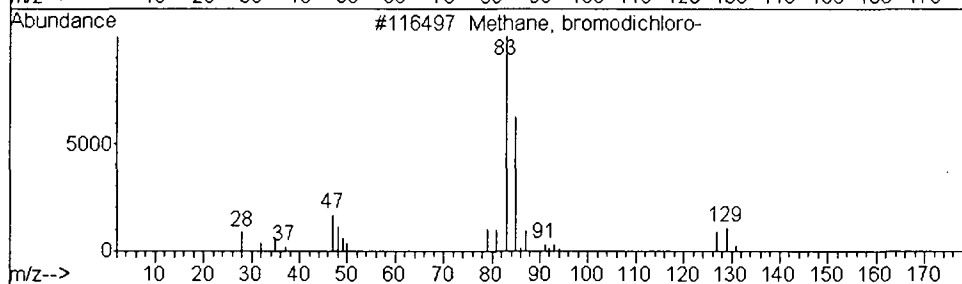
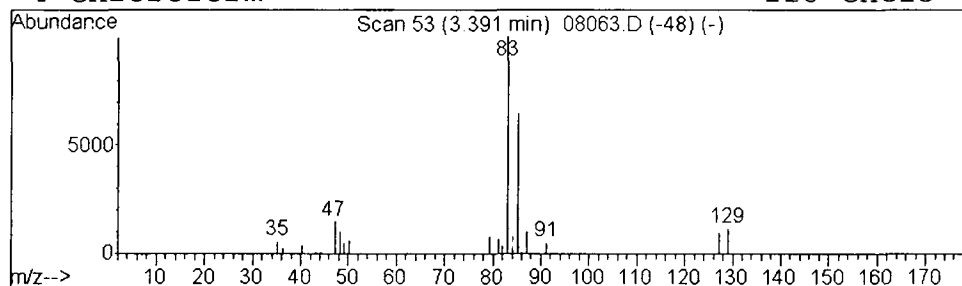
Vial: 20
 Operator: Nefliu
 Inst : Instrumen
 Multiplr: 1.00

Quant Method : C:\MSDCHEM\1\METHODS\041202SCAN.M (Chemstation Integrator)
 Title : 508 Modified GC/MS scan
 Library : C:\DATABASE\NIST98.L

 Peak Number 2 Methane, bromodichloro- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.39	0.24 ug/L	205497	1,4-Dichlorobenzene-d4	9.99

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
✓1			Methane, bromodichloro-	162	CHBrCl2	000075-27-4	83
2			Methane, bromodichloro-	162	CHBrCl2	000075-27-4	83
3			Methane, oxybis[dichloro-	182	C2H2Cl4O	020524-86-1	78
4			Chloroform	118	CHCl3	000067-66-3	72



Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\020415\08063.D
Acq On : 16 Apr 2002 2:21 am
Sample : sample
Misc :
MS Integration Params: LSCINT.e

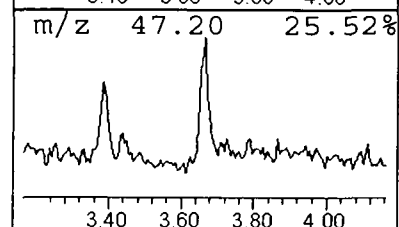
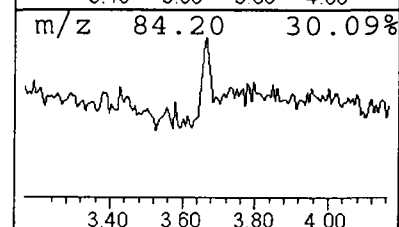
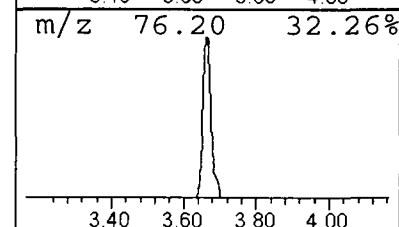
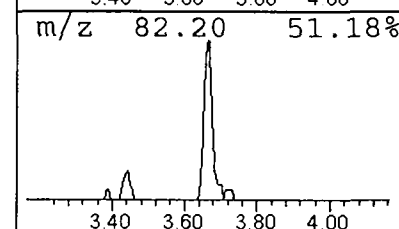
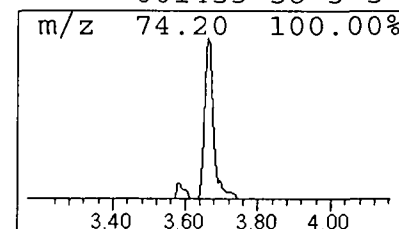
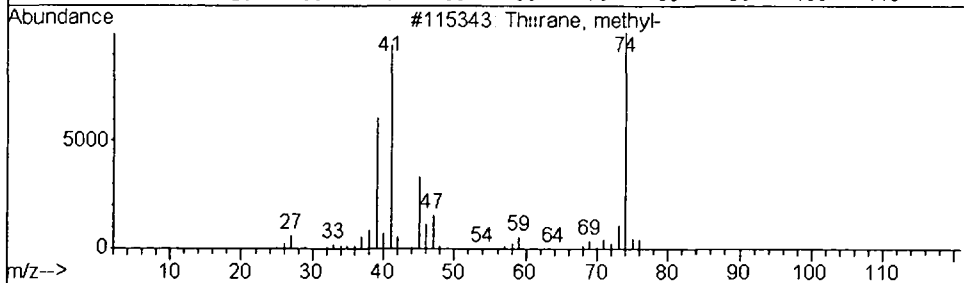
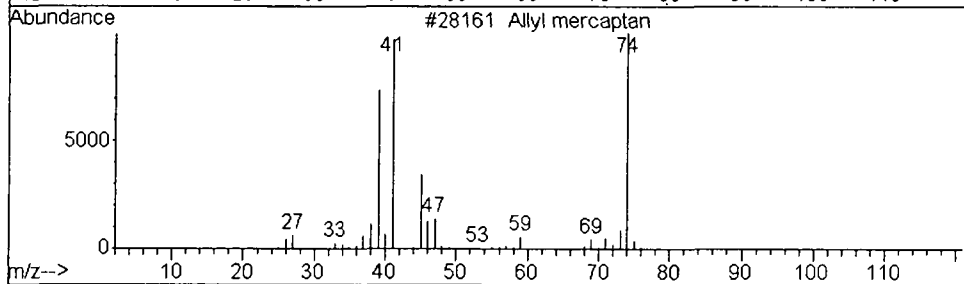
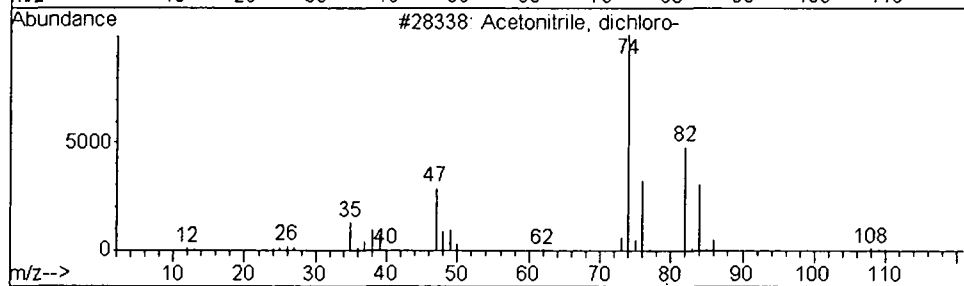
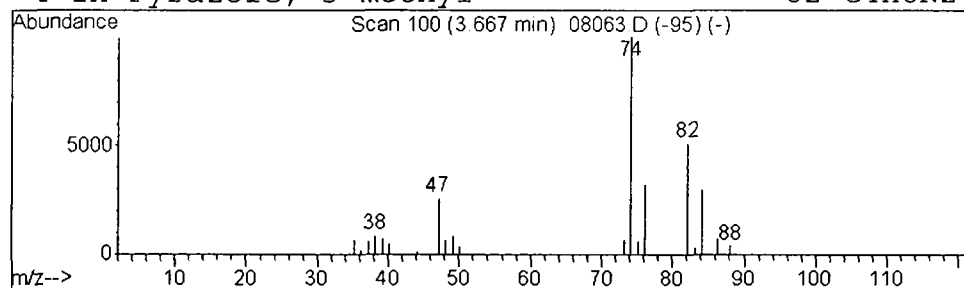
Vial: 20
Operator: Nefliu
Inst : Instrumen
Multiplr: 1.00

Quant Method : C:\MSDCHEM\1\METHODS\041202SCAN.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

Peak Number 3 Acetonitrile, dichloro- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.67	0.37 ug/L	315636	1,4-Dichlorobenzene-d4	9.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
✓1	5	Acetonitrile, dichloro-	109	C2HCl2N	003018-12-0	83
2		Allyl mercaptan	74	C3H6S	000870-23-5	25
3		Thiirane, methyl-	74	C3H6S	001072-43-1	5
4		1H-Pyrazole, 3-methyl-	82	C4H6N2	001453-58-3	5



Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\020415\08063.D
Acq On : 16 Apr 2002 2:21 am
Sample : sample
Misc :
MS Integration Params: LSCINT.e

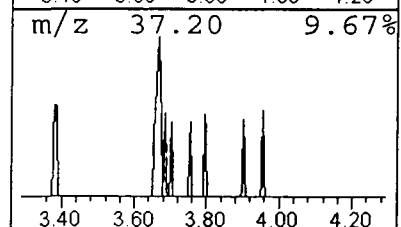
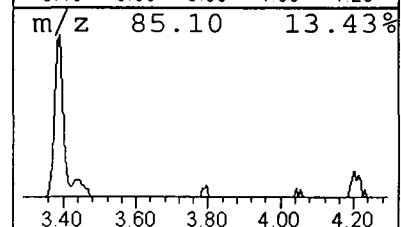
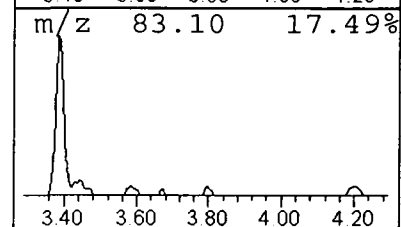
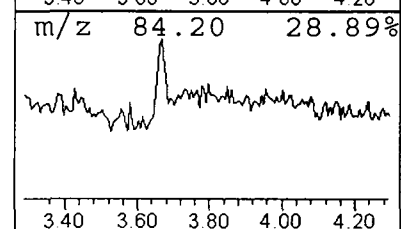
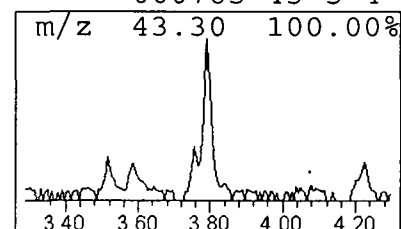
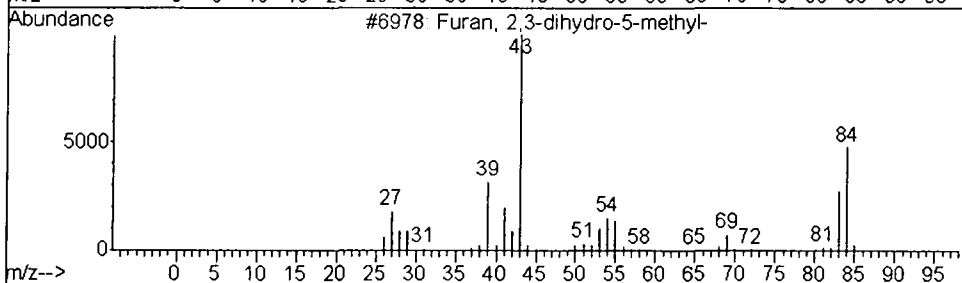
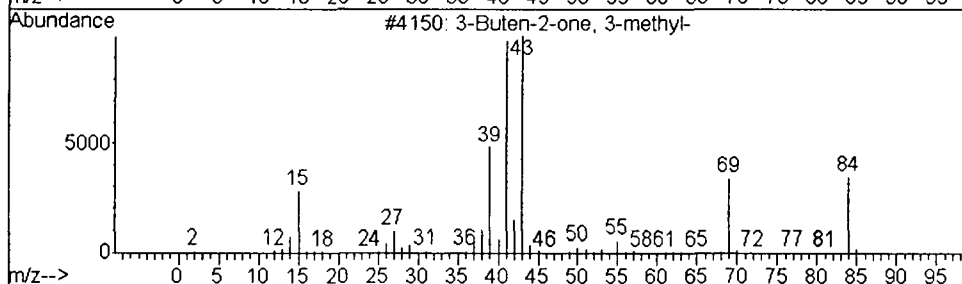
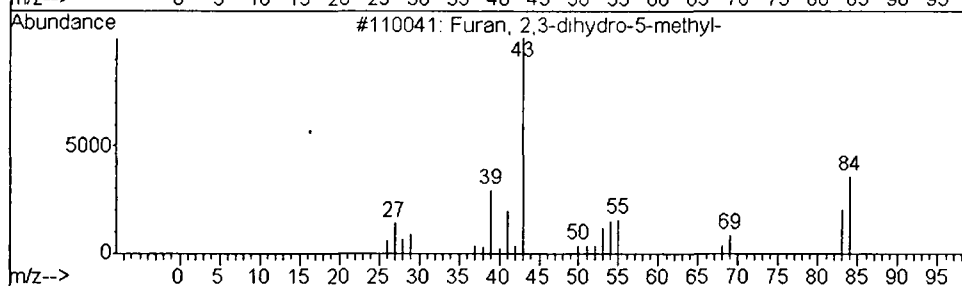
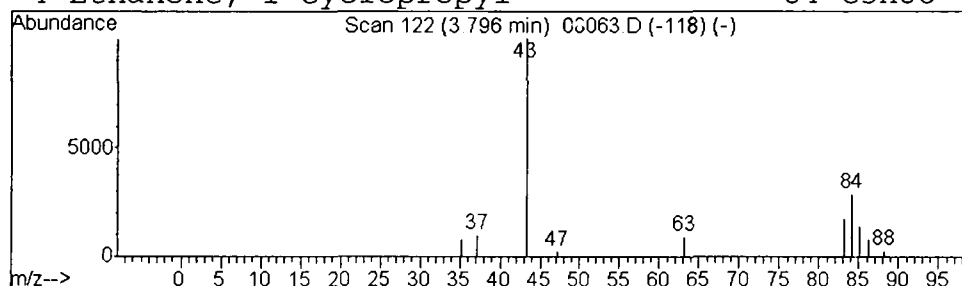
Vial: 20
Operator: Nefliu
Inst : Instrumen
Multiplr: 1.00

Quant Method : C:\MSDCHEM\1\METHODS\041202SCAN.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

Peak Number 4 Furan, 2,3-dihydro-5-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.79	0.22 ug/L	187260	1,4-Dichlorobenzene-d4	9.99

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Furan, 2,3-dihydro-5-methyl-	84	C5H8O	001487-15-6	7
2			3-Buten-2-one, 3-methyl-	84	C5H8O	000814-78-8	5
3			Furan, 2,3-dihydro-5-methyl-	84	C5H8O	001487-15-6	4
4			Ethanone, 1-cyclopropyl-	84	C5H8O	000765-43-5	4



Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\020415\08063.D
Acq On : 16 Apr 2002 2:21 am
Sample : sample
Misc :
MS Integration Params: LSCINT.e

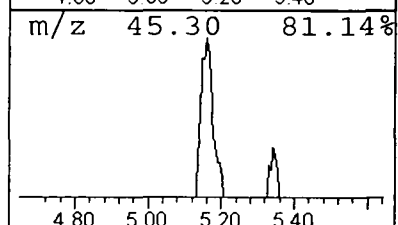
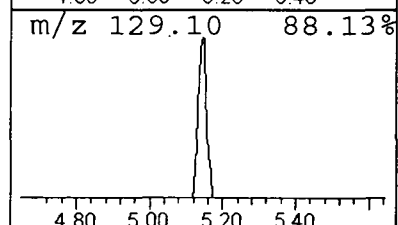
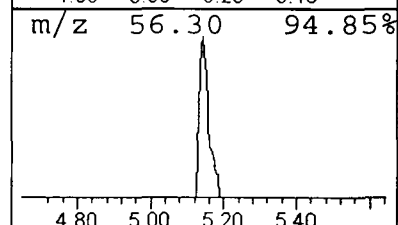
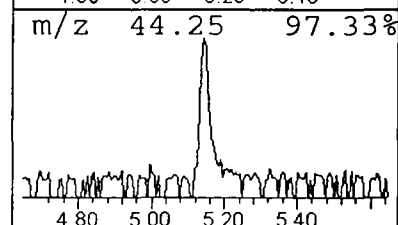
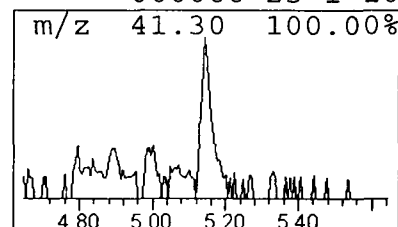
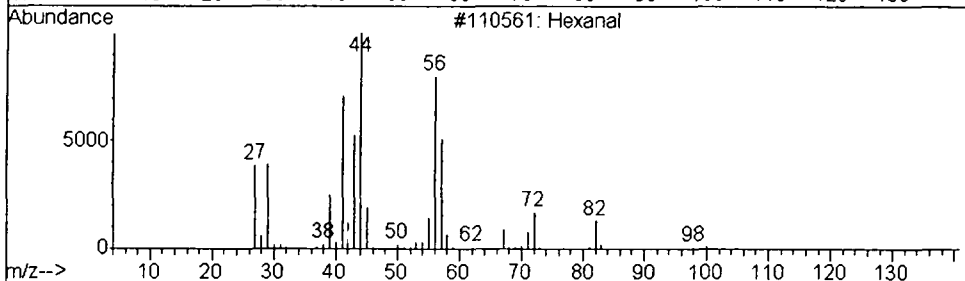
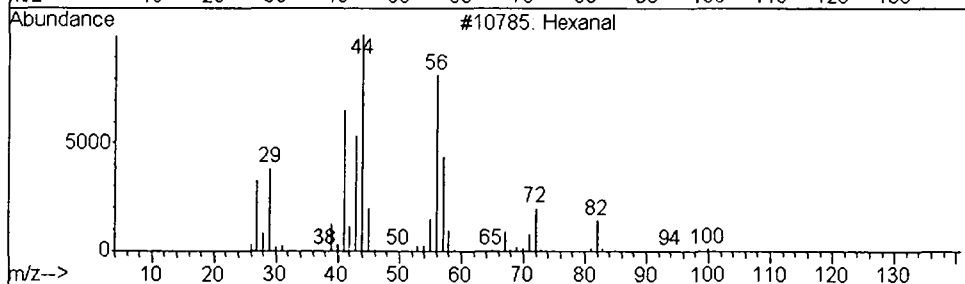
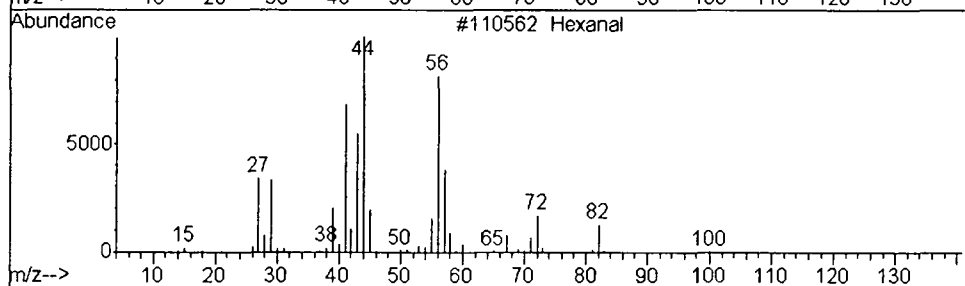
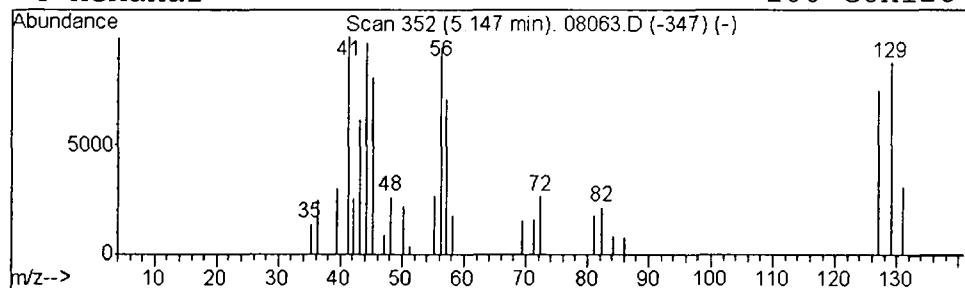
Vial: 20
Operator: Nefliu
Inst : Instrumen
Multiplr: 1.00

Quant Method : C:\MSDCHEM\1\METHODS\041202SCAN.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

Peak Number 5 Hexanal Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.15	0.32 ug/L	270362	1,4-Dichlorobenzene-d4	9.99

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanal			100	C6H12O	000066-25-1	16
2	Hexanal			100	C6H12O	000066-25-1	16
3	Hexanal			100	C6H12O	000066-25-1	12
4	Hexanal			100	C6H12O	000066-25-1	10



Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\020415\08063.D
Acq On : 16 Apr 2002 2:21 am
Sample : sample
Misc :
MS Integration Params: LSCINT.e

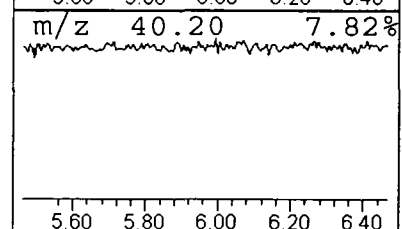
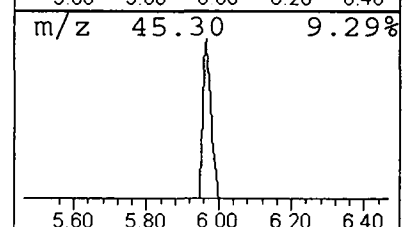
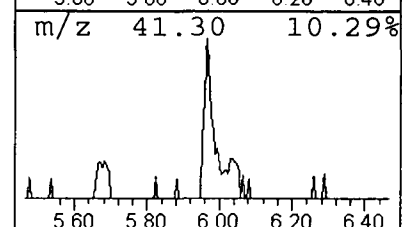
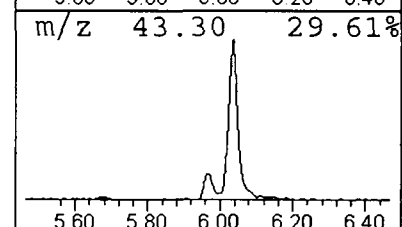
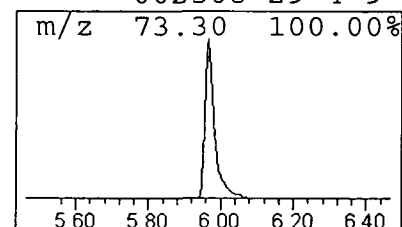
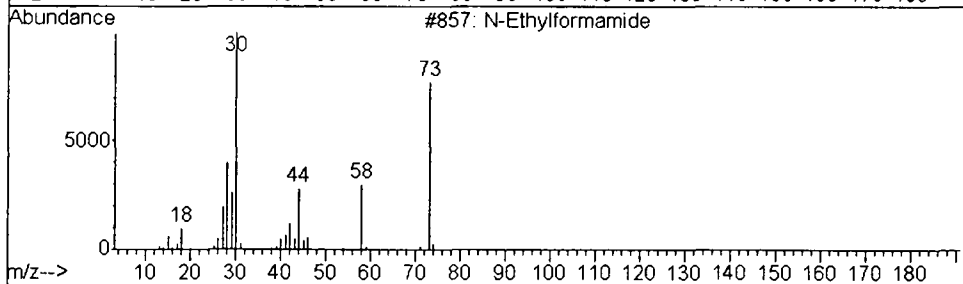
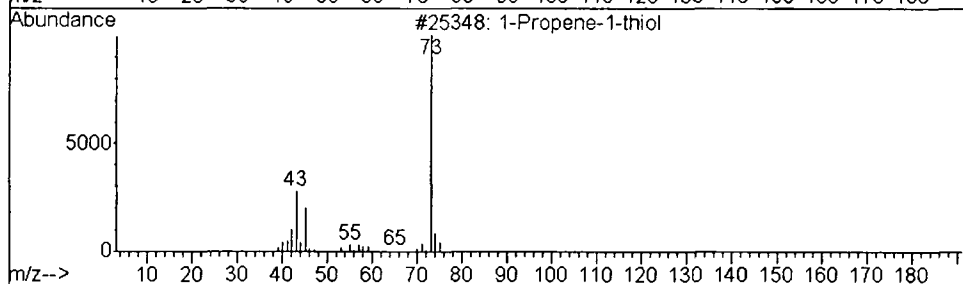
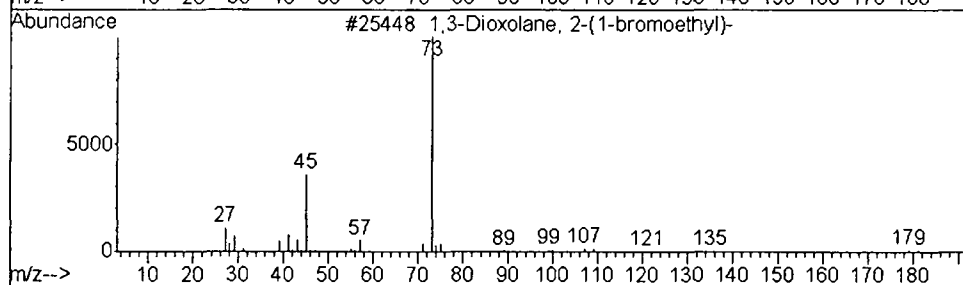
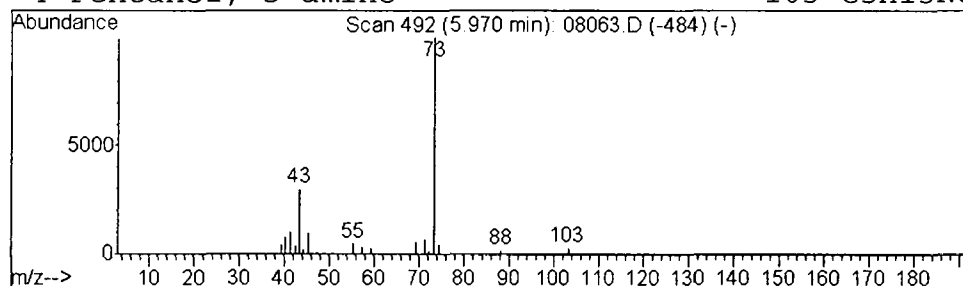
Vial: 20
Operator: Nefliu
Inst : Instrumen
Multiplr: 1.00

Quant Method : C:\MSDCHEM\1\METHODS\041202SCAN.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

Peak Number 6 1,3-Dioxolane, 2-(1-bromoet... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.97	0.42 ug/L	356737	1,4-Dichlorobenzene-d4	9.99

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,3-Dioxolane, 2-(1-bromoethyl)-	180	C5H9BrO2	005267-73-2	25
2			1-Propene-1-thiol	74	C3H6S	000925-89-3	23
3			N-Ethylformamide	73	C3H7NO	000627-45-2	9
4			Pentanol, 5-amino-	103	C5H13NO	002508-29-4	9



Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\020415\08063.D
Acq On : 16 Apr 2002 2:21 am
Sample : sample
Misc :
MS Integration Params: LSCINT.e

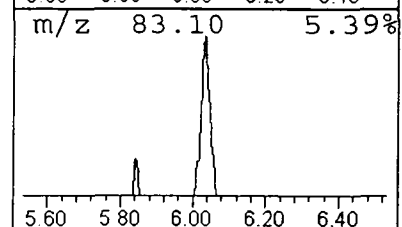
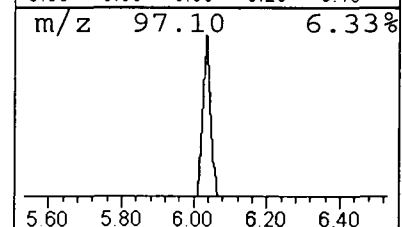
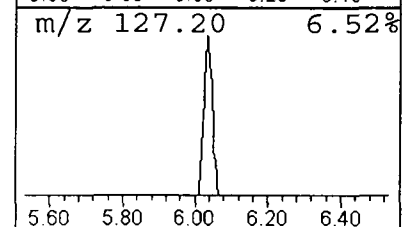
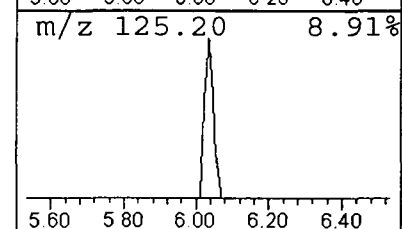
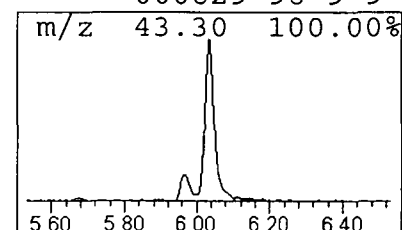
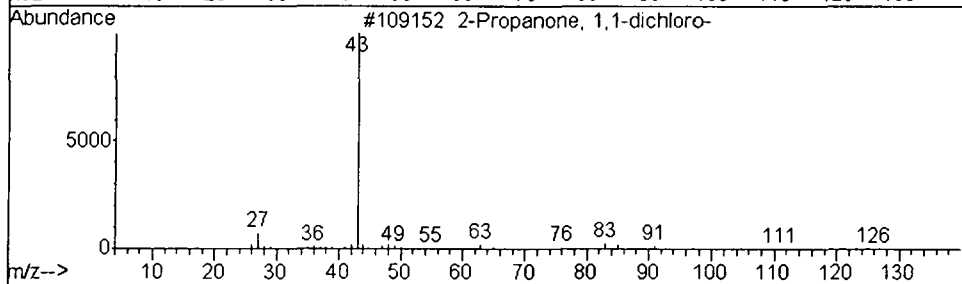
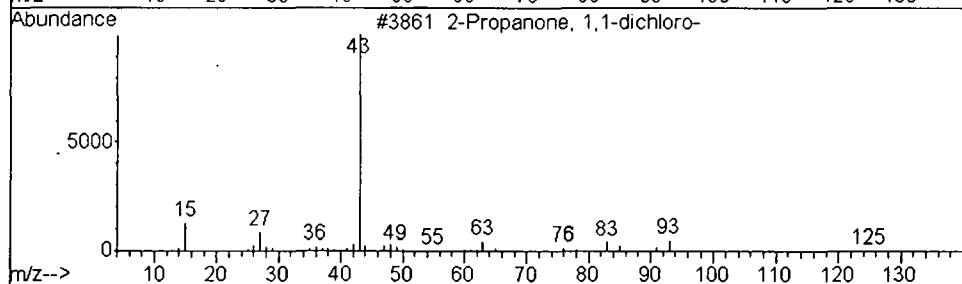
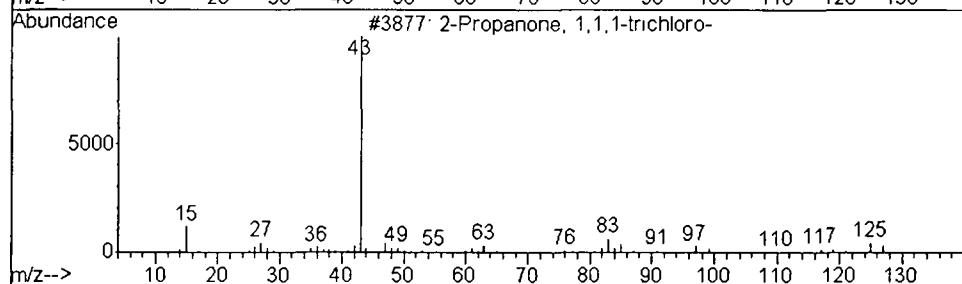
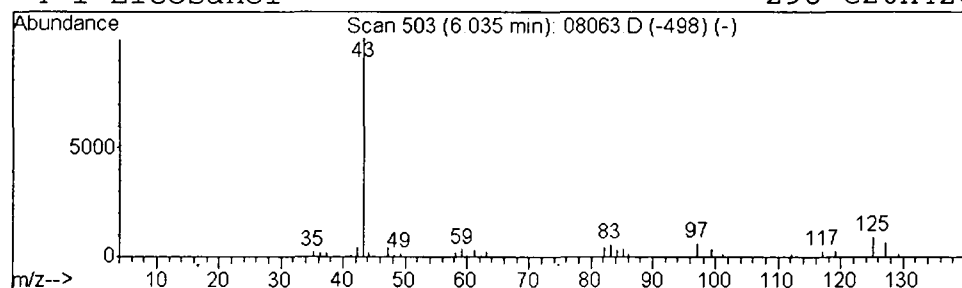
Vial: 20
Operator: Nefliu
Inst : Instrumen
Multiplr: 1.00

Quant Method : C:\MSDCHEM\1\METHODS\041202SCAN.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

Peak Number 7 2-Propanone, 1,1,1-trichloro- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.04	0.68 ug/L	585692	1,4-Dichlorobenzene-d4	9.99

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Propanone, 1,1,1-trichloro-	160	C3H3Cl3O	000918-00-3	42
2			2-Propanone, 1,1-dichloro-	126	C3H4Cl2O	000513-88-2	25
3			2-Propanone, 1,1-dichloro-	126	C3H4Cl2O	000513-88-2	9
4			1-Eicosanol	298	C20H42O	000629-96-9	9



Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\020415\08063.D
Acq On : 16 Apr 2002 2:21 am
Sample : sample
Misc :
MS Integration Params: LSCINT.e

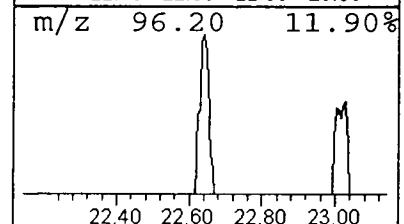
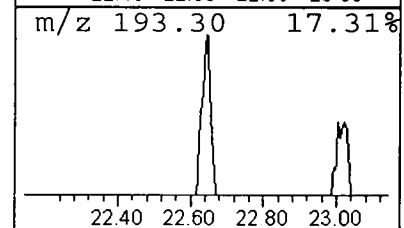
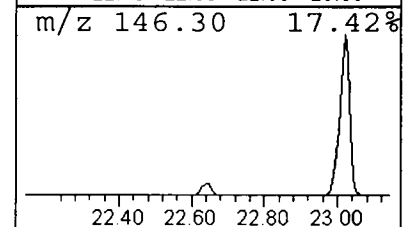
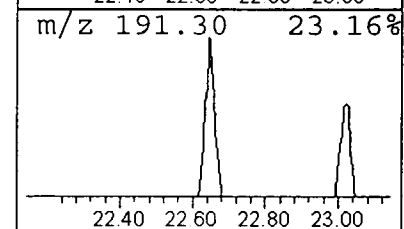
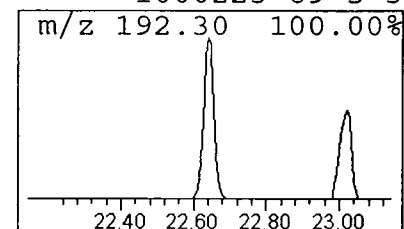
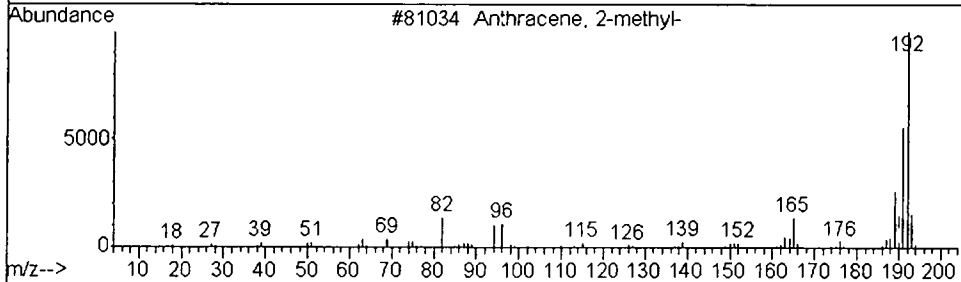
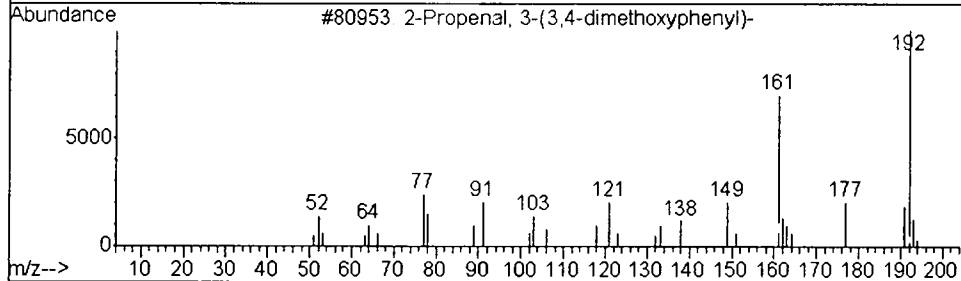
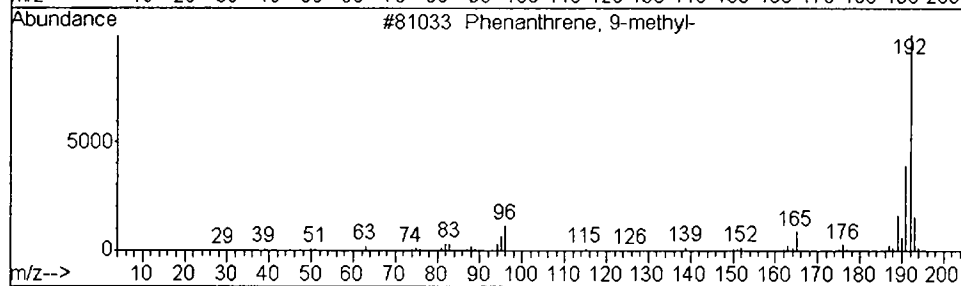
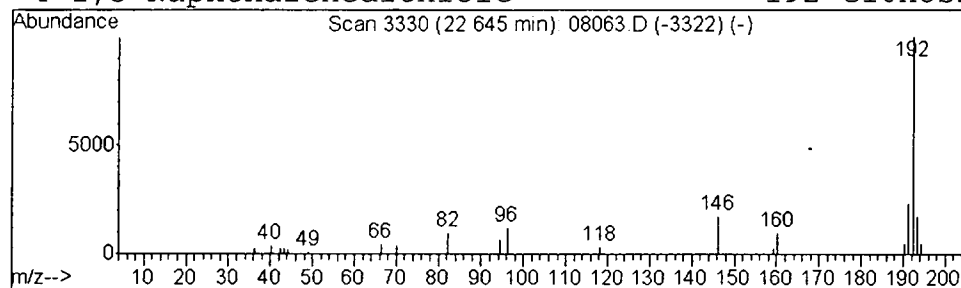
Vial: 20
Operator: Nefliu
Inst : Instrumen
Multiplr: 1.00

Quant Method : C:\MSDCHEM\1\METHODS\041202SCAN.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

Peak Number 8 Phenanthrene, 9-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.64	0.22 ug/L	305045	Phenanthranene-d10	23.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
✓ 1	Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	50
2	2-Propenal, 3-(3,4-dimethoxyphen...	192	C11H12O3	004497-40-9	42
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	40
4	1,5-Naphthalenedithiole	192	C10H8S2	1000223-69-5	36



Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\020415\08063.D
 Acq On : 16 Apr 2002 2:21 am
 Sample : sample
 Misc :
 MS Integration Params: LSCINT.e

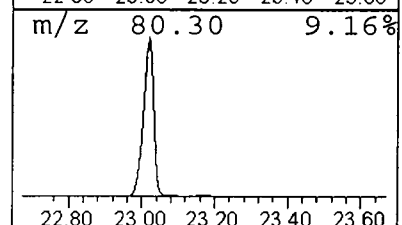
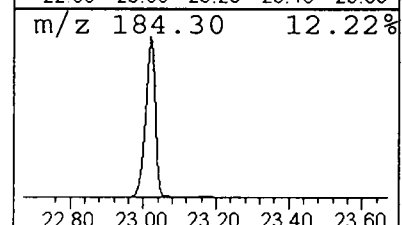
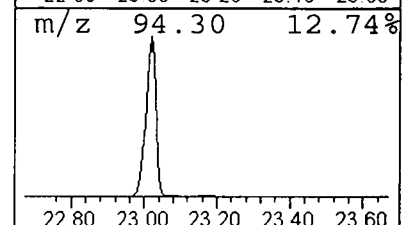
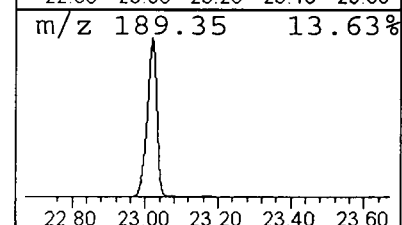
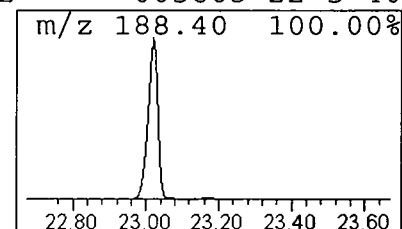
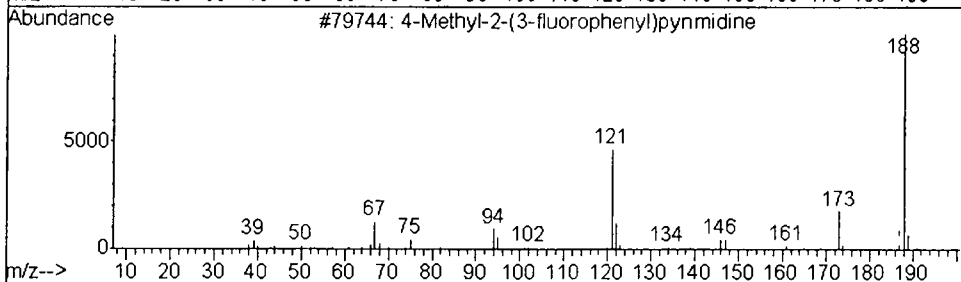
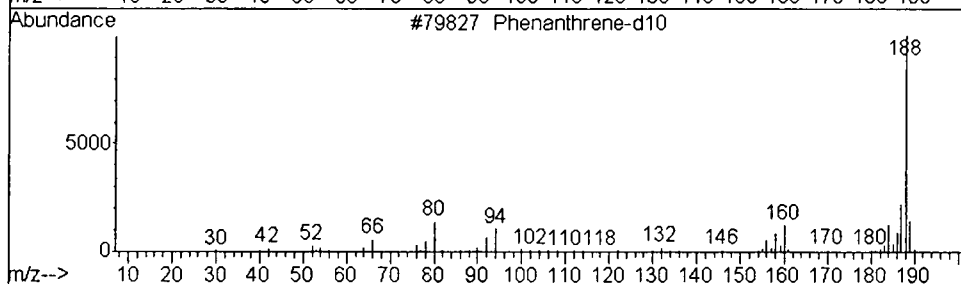
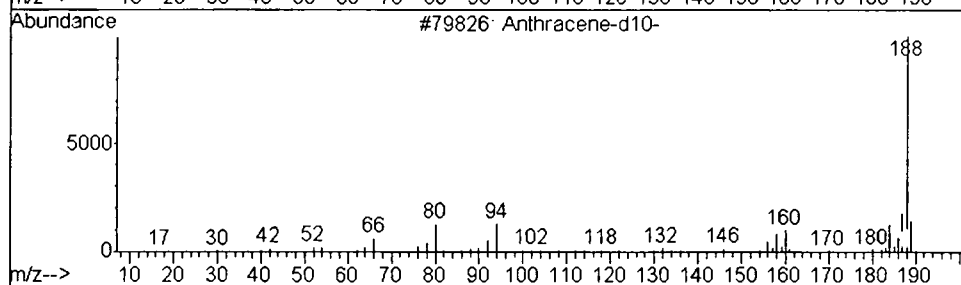
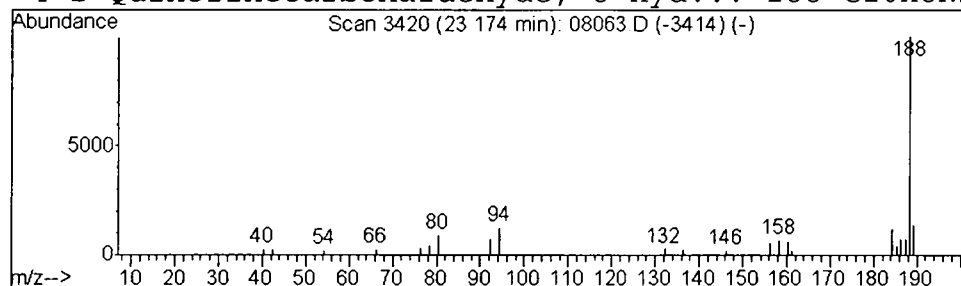
Vial: 20
 Operator: Nefliu
 Inst : Instrumen
 Multiplr: 1.00

Quant Method : C:\MSDCHEM\1\METHODS\041202SCAN.M (Chemstation Integrator)
 Title : 508 Modified GC/MS scan
 Library : C:\DATABASE\NIST98.L

 Peak Number 9 Anthracene-d10- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.17	0.39 ug/L	538795	Phenanthranene-d10	23.02

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene-d10-	188	C14D10	001719-06-8	90
2		Phenanthrene-d10	188	C14D10	001517-22-2	72
3		4-Methyl-2-(3-fluorophenyl)pyrim...	188	C11H9FN2	076128-66-0	50
4		2-Quinolinecarboxaldehyde, 8-hyd...	188	C10H8N2O2	005603-22-5	40



Tentatively Identified Compound (LSC) summary

Operator ID: Nefliu Date Acquired: 16 Apr 2002 2:21 am
 Data File: C:\MSDCHEM\1\DATA\020415\08063.D
 Name: sample
 Misc:
 Method: C:\MSDCHEM\1\METHODS\041202SCAN.M (Chemstation Integrator)
 Title: 508 Modified GC/MS scan
 Library Searched: C:\DATABASE\NIST98.L

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard---			
					#	RT	Resp	Conc
✓ Heptane	3.15	0.4	ug/L	368644	1	9.99	34303500	40.0
Methane, bromodic...	3.39	0.2	ug/L	205497	1	9.99	34303500	40.0
✓ Acetonitrile, dic...	3.67	0.4	ug/L	315636	1	9.99	34303500	40.0
Furan, 2,3-dihydr...	3.79	0.2	ug/L	187260	1	9.99	34303500	40.0
Hexanal	5.15	0.3	ug/L	270362	1	9.99	34303500	40.0
1,3-Dioxolane, 2-...	5.97	0.4	ug/L	356737	1	9.99	34303500	40.0
2-Propanone, 1,1,...	6.04	0.7	ug/L	585692	1	9.99	34303500	40.0
Phenanthrene, 9-m...	22.64	0.2	ug/L	305045	4	23.02	54837300	40.0
Anthracene-d10- <i>phenanthrene-d10</i>	23.17	0.4	ug/L	538795	4	23.02	54837300	40.0