

User: Vinci, David L
 Westchester Dept. of Labs & Research
 Date: 04/18/2002 Time: 15:58:26

Sample: AE07979
 Analysis: \$GCMS GCMS Scan For Unknowns
 Units: ug
 Started: 4/18/2002 15:58 Ended: 4/18/2002 15:58 Analyst: DLV
 Page: 1

	Component Name	Viol	Result	MDL
1	Other unknown compounds		.	
2	Surr_2,4-DDD		80	5.0

Comments for Sample AE07979 - Analysis \$GCMS

Vestchester Dept. of Labs & Research

User: Vinci, David L

Date: 04-18-2002 Time: 15:59:07

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\07979.D Vial: 19
 Acq On : 16 Apr 2002 1:32 am Operator: Nefliu
 Sample : sample Inst : Instrumen
 Misc : Multiplr: 1.00
 MS Integration Params: EVENTS.E
 Quant Time: Apr 16 13:47:54 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	5493937	40.00	ug/L	0.00
10) Napthalene-d8	13.49	136	20759848	40.00	ug/L	-0.01
17) Acenapthalene-d10	18.63	164	12154312	40.00	ug/L	-0.01
29) Phenanthranene-d10	23.02	188	19094423	40.00	ug/L	0.00
37) Chrysene-d12	30.89	240	15488706	40.00	ug/L	-0.02
43) Perylene-d12	34.79	264	10245167	40.00	ug/L	-0.01

System Monitoring Compounds

27) TCMX	20.60	207	428615	6.36	ug/L	0.00
Spiked Amount	8.000		Recovery	=	79.50%	

Target Compounds Qvalue

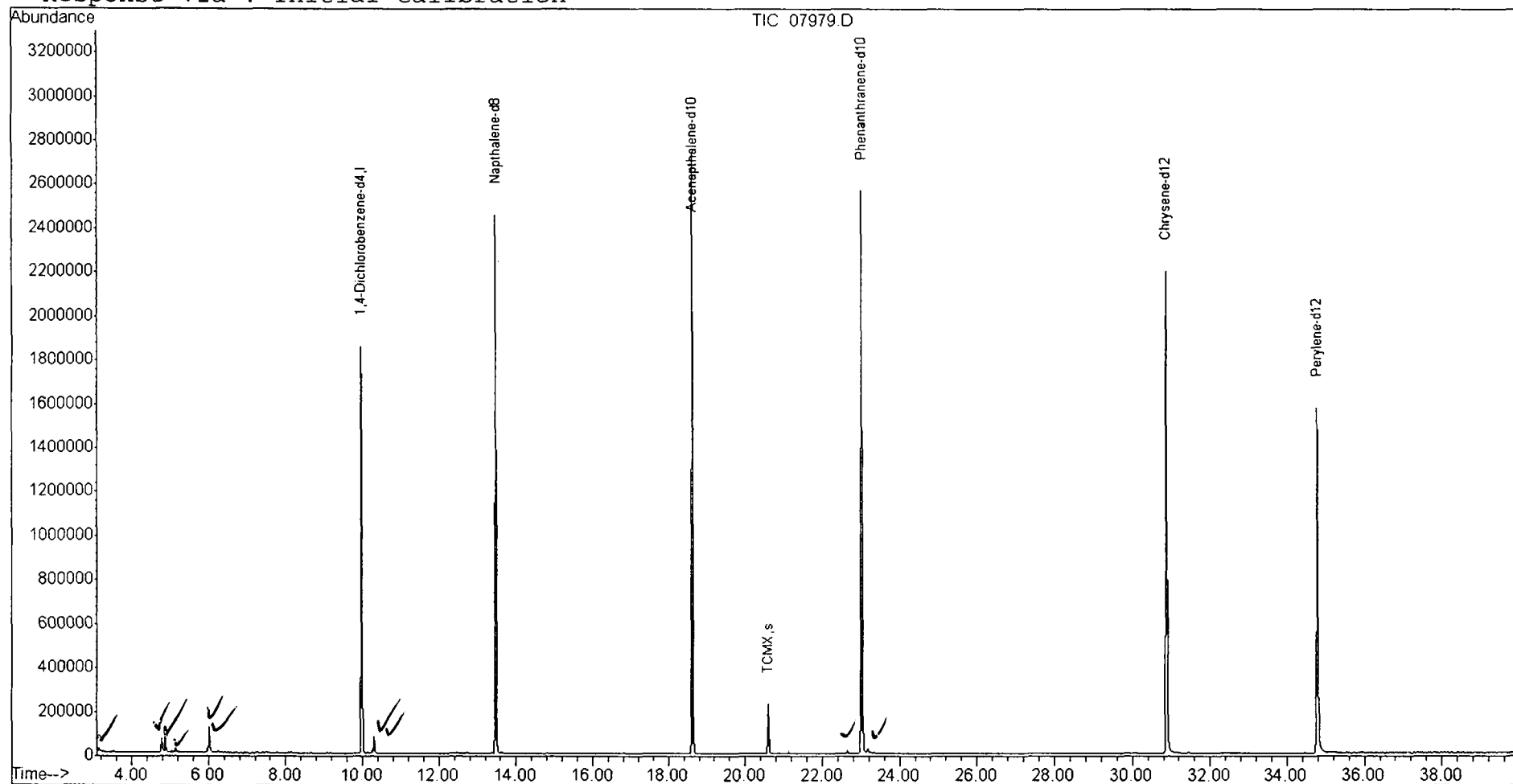
Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\020415\07979.D
Acq On : 16 Apr 2002 1:32 am
Sample : sample
Misc :
MS Integration Params: EVENTS.E
Quant Time: Apr 16 13:48 2002

Vial: 19
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\07979.D

Acq On : 16 Apr 2002 1:32 am

Sample : sample

Misc :

MS Integration Params: LSCINT.e

Vial: 19

Operator: Nefliu

Inst : Instrumen

Multiplr: 1.00

Method : C:\MSDCHEM\1\METHODS\041202SCAN.M (Chemstation Integrator)

Title : 508 Modified GC/MS scan

Signal : TIC

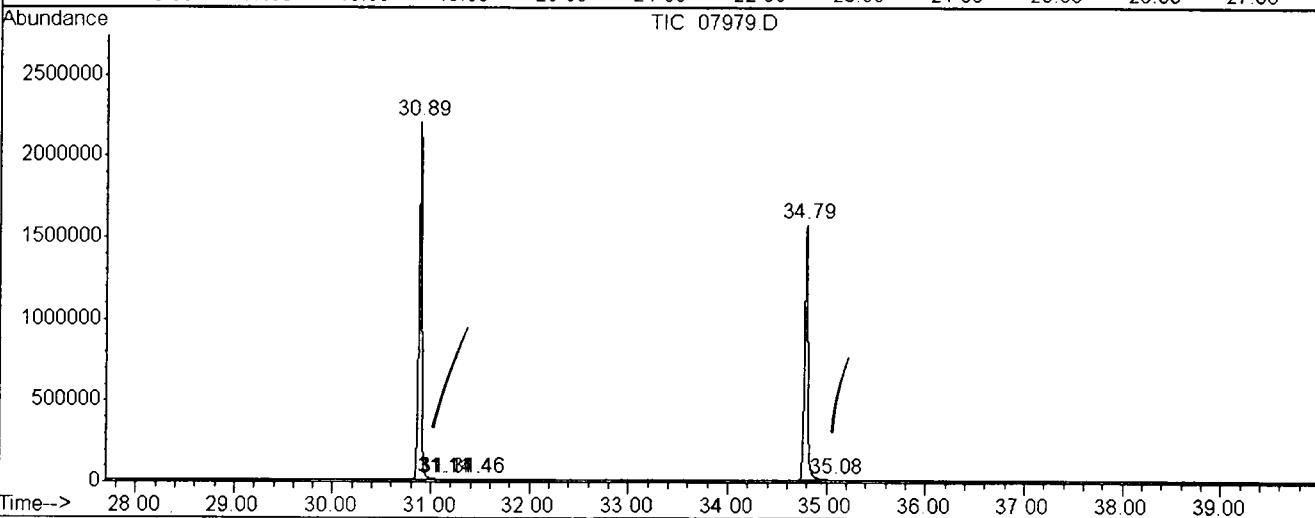
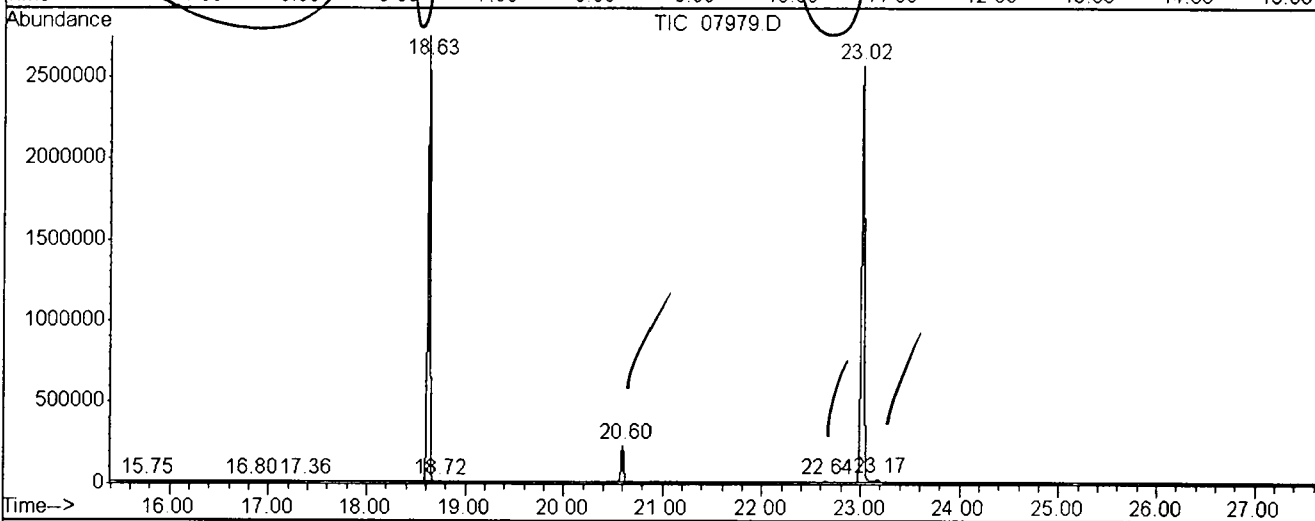
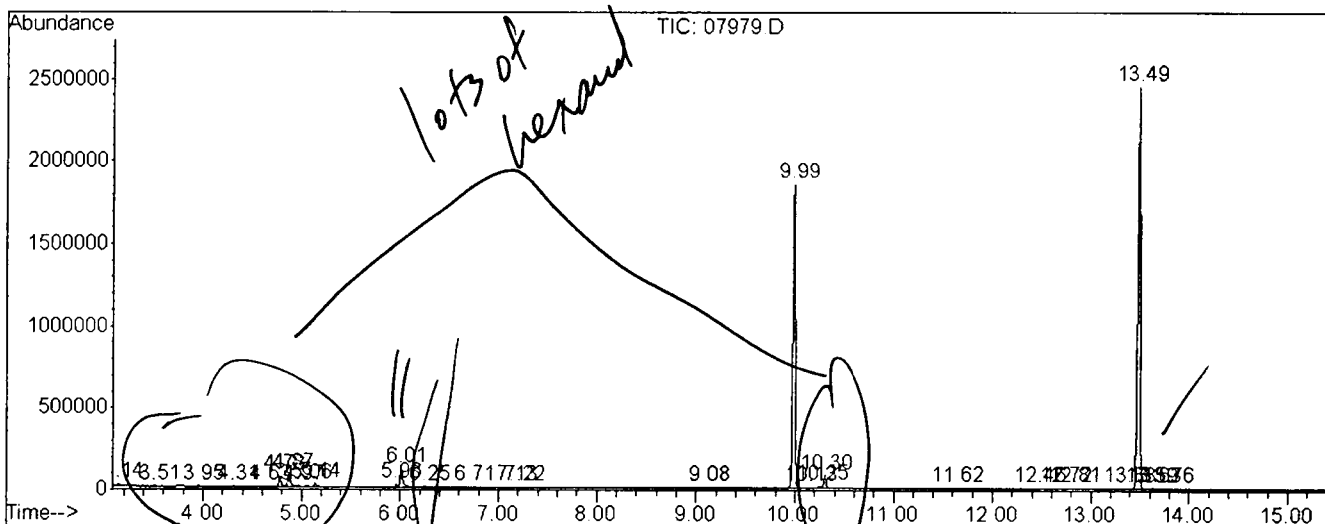
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.138	3	10	24	BV 3	9429	196757	0.40%	0.074%
2	3.508	64	73	79	PV 2	4873	92953	0.19%	0.035%
3	3.955	139	149	150	VV 5	2283	49932	0.10%	0.019%
4	4.307	202	209	215	PV 7	2719	55628	0.11%	0.021%
5	4.625	259	263	270	VV 3	1916	47048	0.09%	0.018%
6	4.777	284	289	300	VV	63153	1131117	2.27%	0.424%
7	4.871	300	305	318	VV	68987	1283205	2.58%	0.481%
8	4.971	318	322	331	VV 9	3725	117647	0.24%	0.044%
9	5.054	331	336	343	VV 4	6687	135495	0.27%	0.051%
10	5.142	346	351	367	VV 3	19812	450140	0.90%	0.169%
11	5.964	483	491	495	PV	18437	311442	0.63%	0.117%
12	6.011	495	499	516	VV	112408	2156044	4.33%	0.807%
13	6.252	534	540	550	VV 4	6084	140969	0.28%	0.053%
14	6.710	612	618	622	VV 5	2085	48535	0.10%	0.018%
15	7.133	687	690	692	VV 2	1937	17662	0.04%	0.007%
16	7.216	698	704	719	VV 8	1832	62973	0.13%	0.024%
17	9.084	1016	1022	1032	PV 2	1756	39713	0.08%	0.015%
18	9.983	1167	1175	1189	VV	1804036	31235355	62.74%	11.697%
19	10.136	1195	1201	1206	VV 5	2662	65512	0.13%	0.025%
20	10.253	1209	1221	1224	VV	11656	203674	0.41%	0.076%
21	10.300	1224	1229	1241	VV	75906	1311837	2.64%	0.491%
22	11.622	1449	1454	1457	VV 2	2285	36280	0.07%	0.014%
23	12.457	1589	1596	1611	VV 2	4356	104099	0.21%	0.039%
24	12.721	1635	1641	1648	VV 3	4078	73429	0.15%	0.027%
25	12.809	1648	1656	1665	VV 6	2220	54600	0.11%	0.020%
26	13.373	1748	1752	1756	PV 3	2273	30847	0.06%	0.012%
27	13.485	1761	1771	1786	VV	2414603	41799801	83.97%	15.654%
28	13.591	1786	1789	1793	VV 3	2407	50373	0.10%	0.019%
29	13.632	1793	1796	1806	VV 2	5818	103210	0.21%	0.039%
30	13.761	1810	1818	1824	VV 5	1718	39354	0.08%	0.015%
31	15.753	2153	2157	2163	BV 3	1626	29436	0.06%	0.011%
32	16.805	2331	2336	2343	PV 2	3396	58365	0.12%	0.022%
33	17.363	2427	2431	2435	VV 3	2332	36028	0.07%	0.013%
34	18.632	2629	2647	2661	PV	2747704	49033371	98.50%	18.362%
35	18.726	2661	2663	2669	VV 2	2430	64185	0.13%	0.024%
36	20.600	2972	2982	2990	PV	223229	4033372	8.10%	1.510%
37	22.645	3320	3330	3336	PV 3	14504	256897	0.52%	0.096%

38	23.021	3382	3394	3415	PV	2	2524676	49781929	100.00%	18.643%
39	23.174	3415	3420	3430	VV		17695	383312	0.77%	0.144%
40	30.888	4718	4733	4766	PV	2	2161962	46198102	92.80%	17.301%
41	31.106	4766	4770	4773	VV	2	3149	60534	0.12%	0.023%
42	31.135	4773	4775	4784	VV		2478	53571	0.11%	0.020%
43	31.458	4824	4830	4835	PV	3	1510	27179	0.05%	0.010%
44	34.790	5384	5397	5444	PV		1548839	35535034	71.38%	13.307%
45	35.078	5444	5446	5453	VV		1609	33734	0.07%	0.013%

Sum of corrected areas: 267030684

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\DATA\020415\07979.D
 Operator : Nefliu
 Acquired : 16 Apr 2002 1:32 am using AcqMethod 508SCAN
 Instrument : Instrumen
 Sample Name: sample
 Misc Info :
 Vial Number: 19
 Quant File :041202SCAN.RES (Chemstation Integrator)



Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\020415\07979.D
Acq On : 16 Apr 2002 1:32 am
Sample : sample
Misc :
MS Integration Params: LSCINT.e

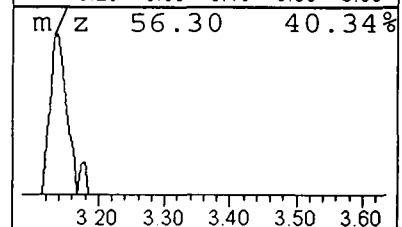
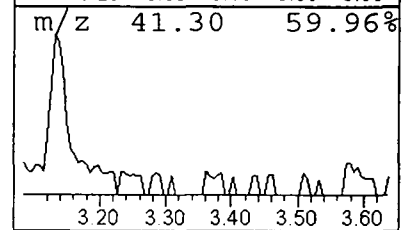
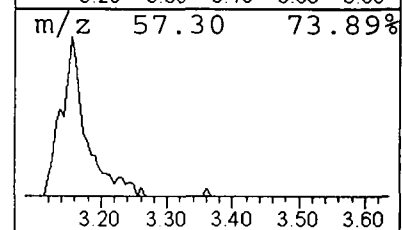
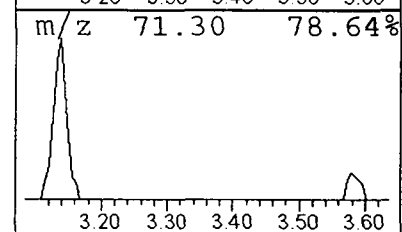
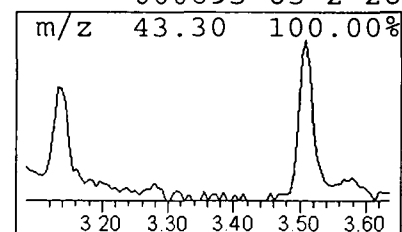
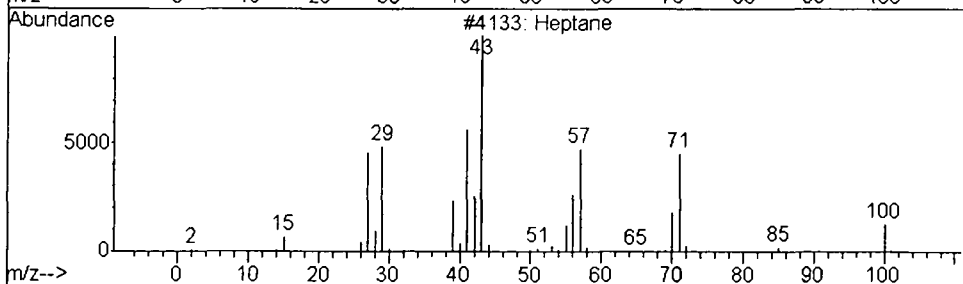
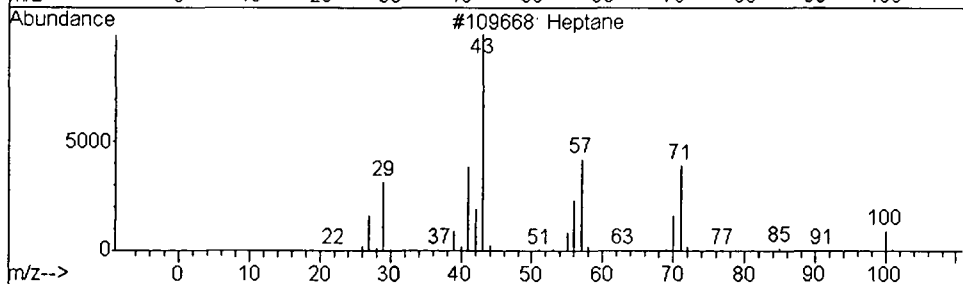
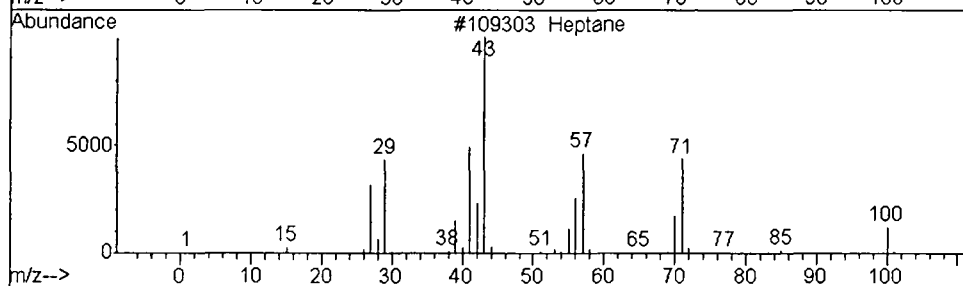
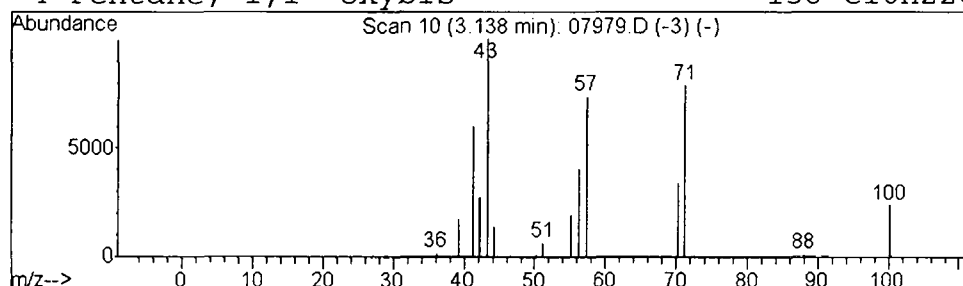
Vial: 19
Operator: Nefliu
Inst : Instrumen
Multiplr: 1.00

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 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.14	0.25 ug/L	196757	1,4-Dichlorobenzene-d4	9.99

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
✓1			Heptane	100	C7H16	000142-82-5	86
2			Heptane	100	C7H16	000142-82-5	78
3			Heptane	100	C7H16	000142-82-5	78
4			Pentane, 1,1'-oxybis-	158	C10H22O	000693-65-2	28



Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\020415\07979.D
Acq On : 16 Apr 2002 1:32 am
Sample : sample
Misc :
MS Integration Params: LSCINT.e

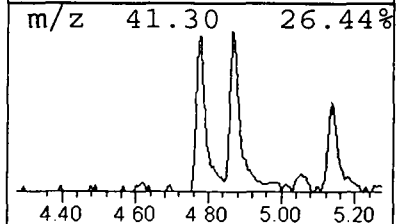
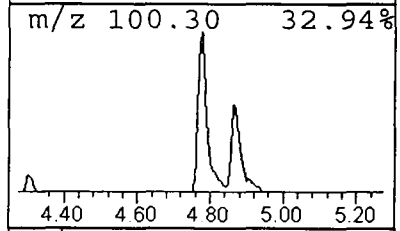
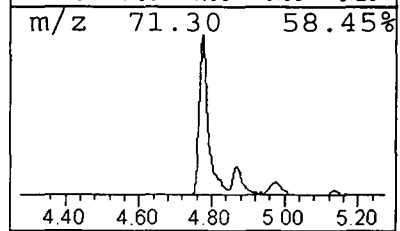
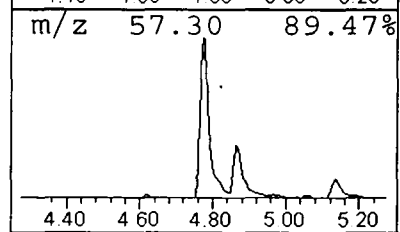
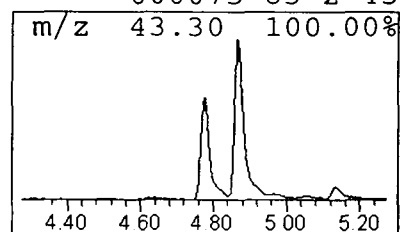
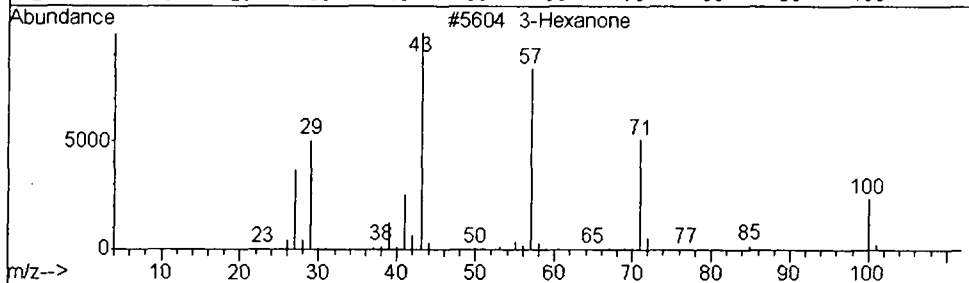
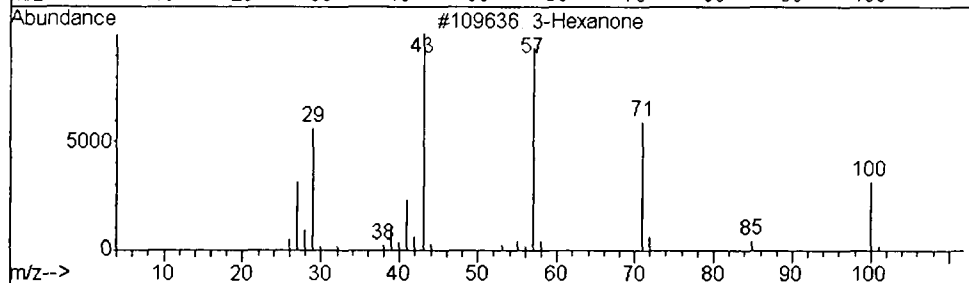
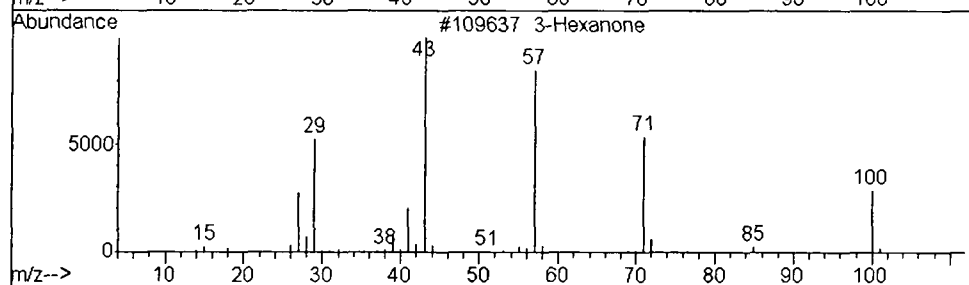
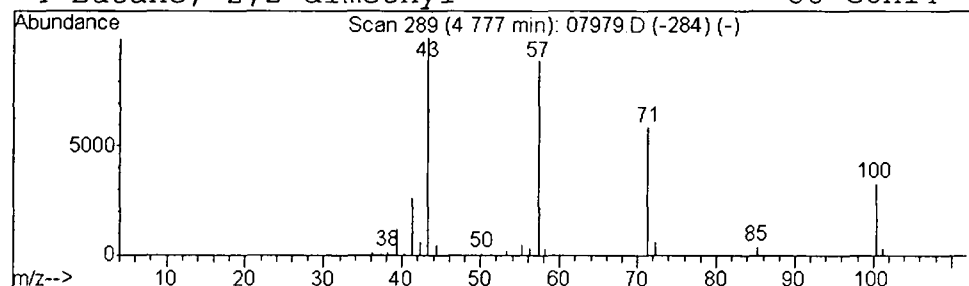
Vial: 19
Operator: Nefliu
Inst : Instrumen
Multiplr: 1.00

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

Peak Number 2 3-Hexanone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.78	1.45 ug/L	1131120	1,4-Dichlorobenzene-d4	9.99

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
✓ 1			3-Hexanone	100	C6H12O	000589-38-8	91
2			3-Hexanone	100	C6H12O	000589-38-8	91
3			3-Hexanone	100	C6H12O	000589-38-8	64
4			Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	45



Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\020415\07979.D
Acq On : 16 Apr 2002 1:32 am
Sample : sample
Misc :
MS Integration Params: LSCINT.e

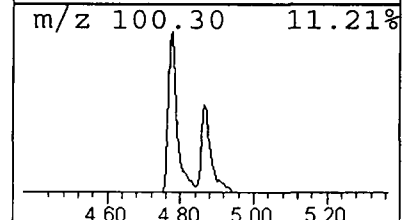
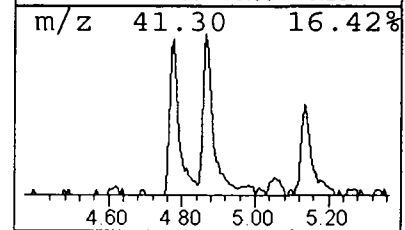
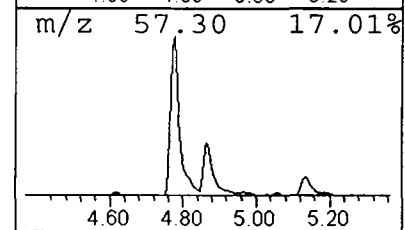
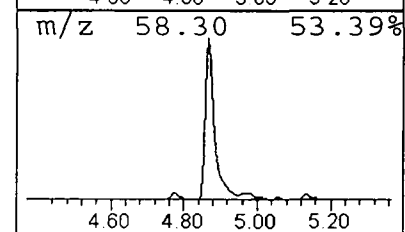
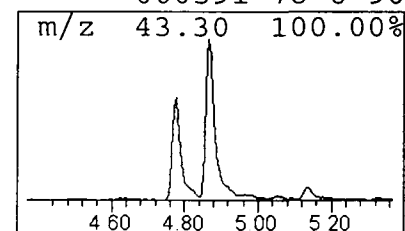
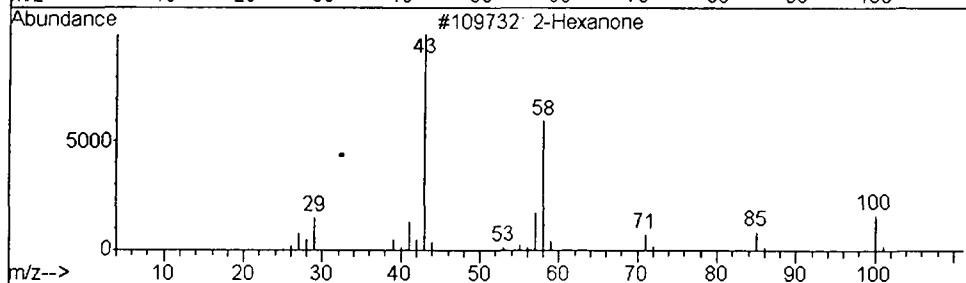
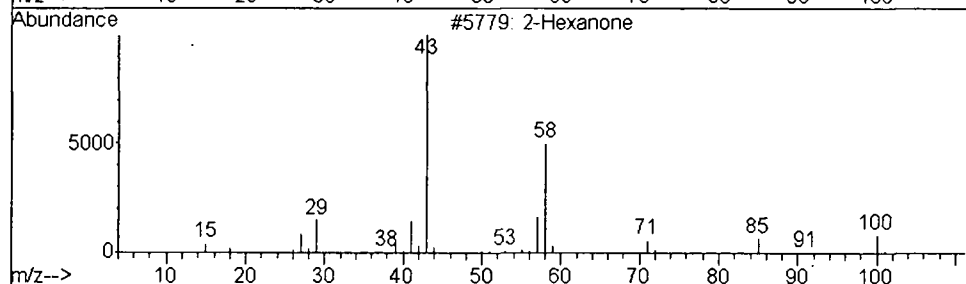
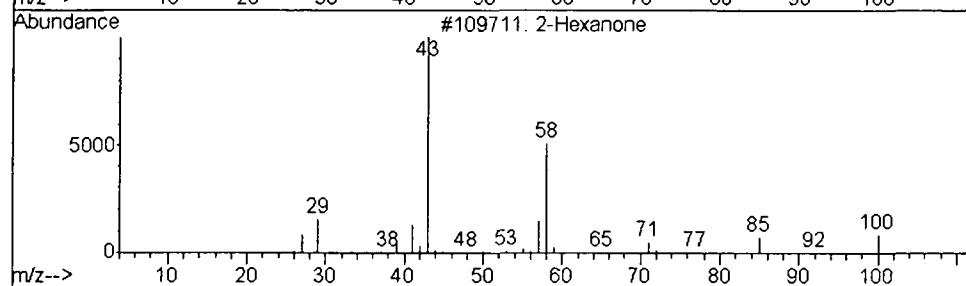
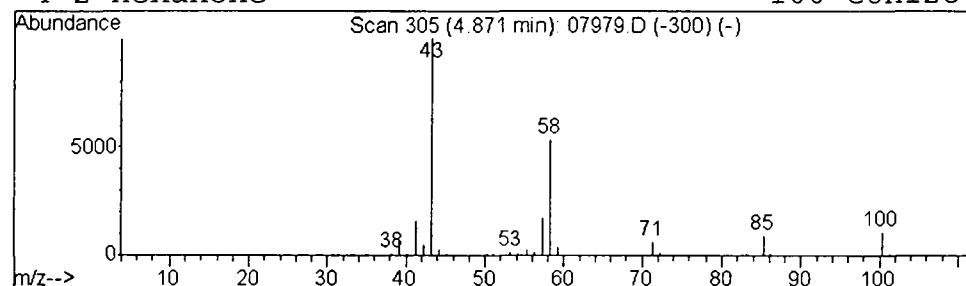
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Operator: Nefliu
Inst : Instrumen
Multiplr: 1.00

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

Peak Number 3 2-Hexanone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.87	1.64 ug/L	1283210	1,4-Dichlorobenzene-d4	9.99

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexanone	100	C6H12O	000591-78-6	91		
2	2-Hexanone	100	C6H12O	000591-78-6	91		
3	2-Hexanone	100	C6H12O	000591-78-6	91		
4	2-Hexanone	100	C6H12O	000591-78-6	90		



Library Search Compound Report

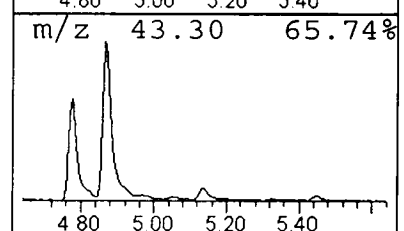
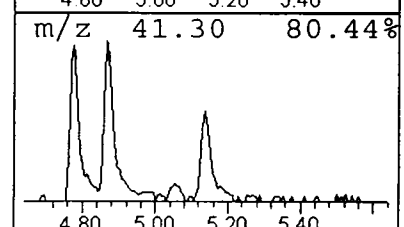
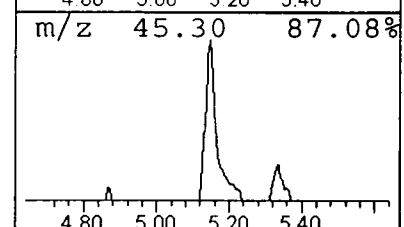
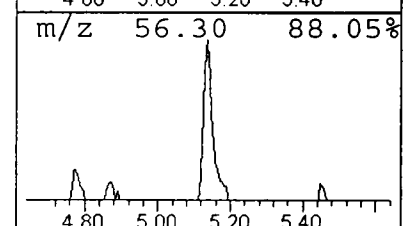
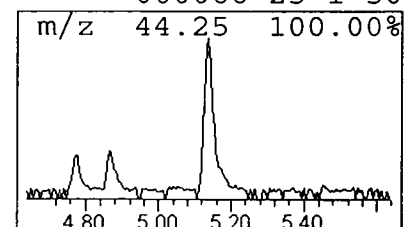
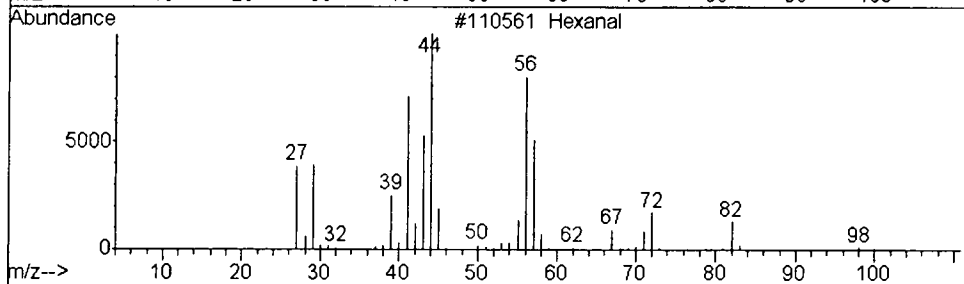
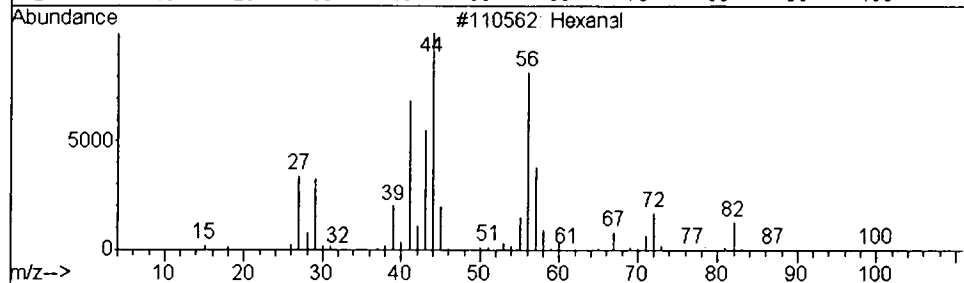
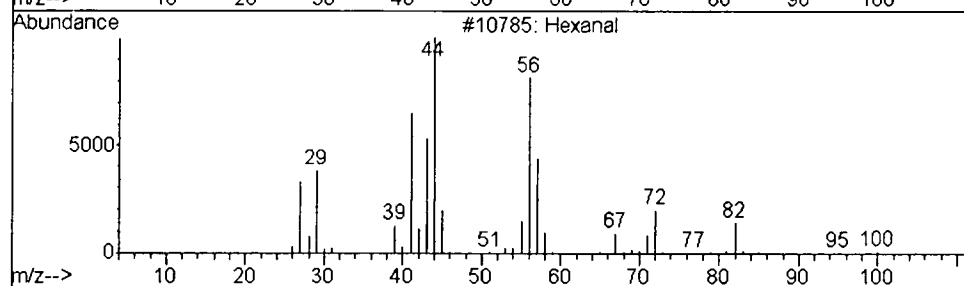
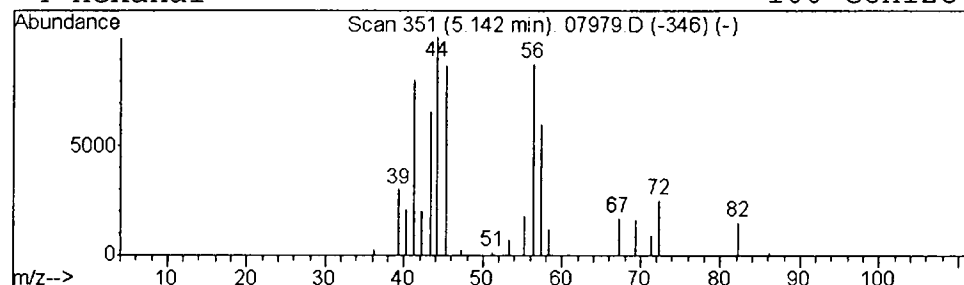
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Acq On : 16 Apr 2002 1:32 am
Sample : sample
Misc :
MS Integration Params: LSCINT.e

Vial: 19
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 Hexanal Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
5.14	0.58 ug/L	450140	1,4-Dichlorobenzene-d4	9.99	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
✓ 1	Hexanal	100	C6H12O	000066-25-1	59
2	Hexanal	100	C6H12O	000066-25-1	59
3	Hexanal	100	C6H12O	000066-25-1	53
4	Hexanal	100	C6H12O	000066-25-1	50



Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\020415\07979.D
 Acq On : 16 Apr 2002 1:32 am
 Sample : sample
 Misc :
 MS Integration Params: LSCINT.e

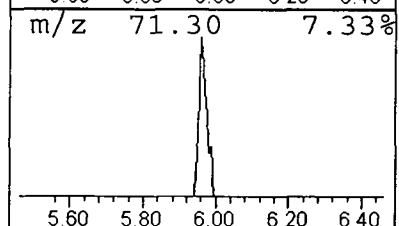
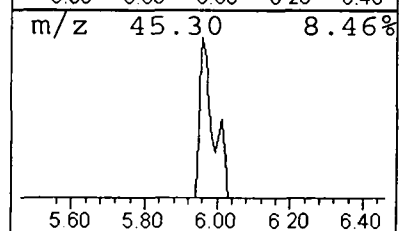
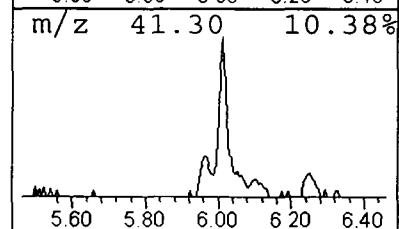
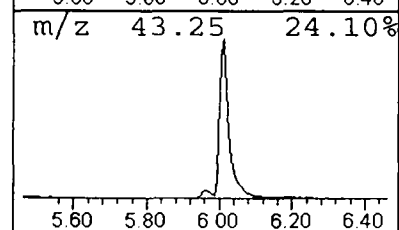
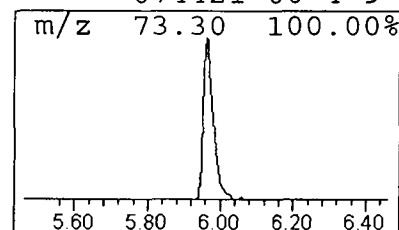
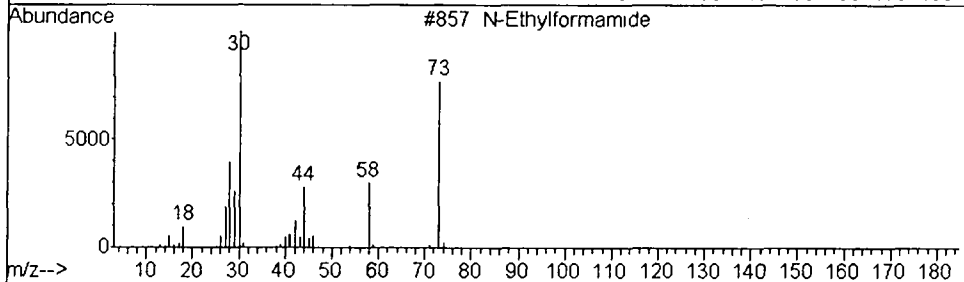
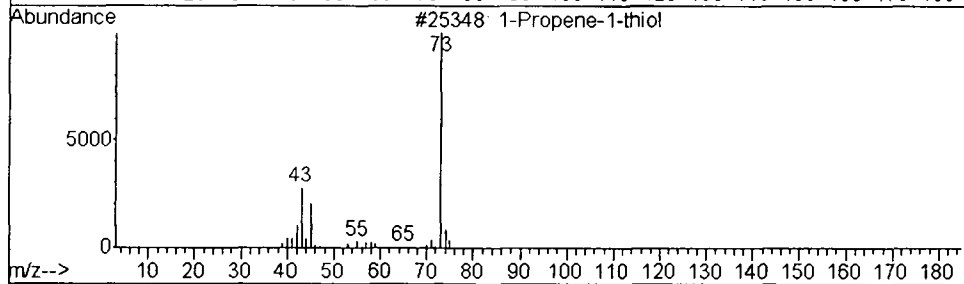
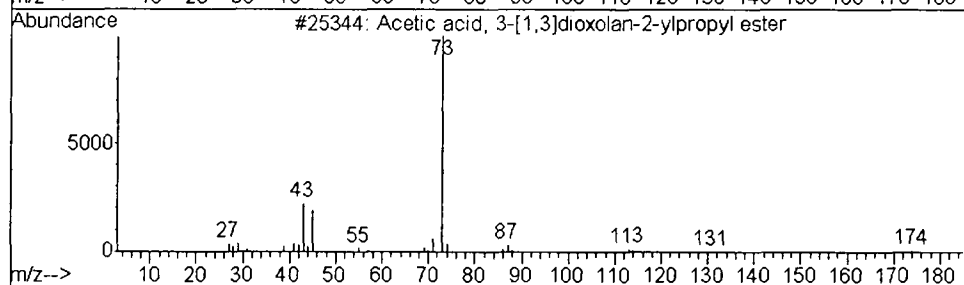
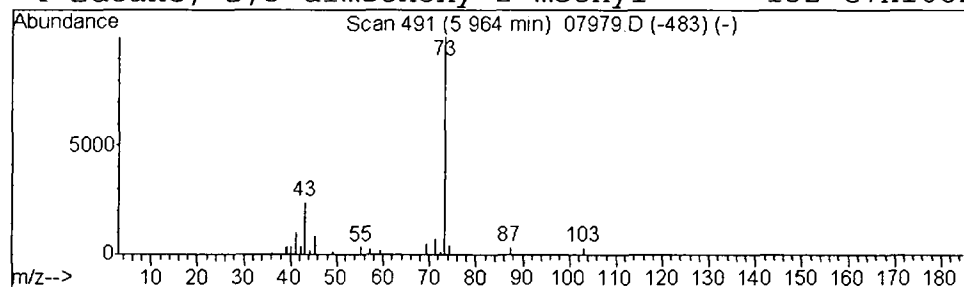
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 Inst : Instrumen
 Multiplr: 1.00

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

 Peak Number 5 Acetic acid, 3-[1,3]dioxola... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.96	0.40 ug/L	311442	1,4-Dichlorobenzene-d4	9.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Acetic acid, 3-[1,3]dioxolan-2-y...	174	C8H14O4	1000186-02-3	36
2		1-Propene-1-thiol	74	C3H6S	000925-89-3	9
3		N-Ethylformamide	73	C3H7NO	000627-45-2	9
4		Butane, 2,3-dimethoxy-2-methyl-	132	C7H16O2	074421-00-4	9



Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\020415\07979.D
 Acq On : 16 Apr 2002 1:32 am
 Sample : sample
 Misc :
 MS Integration Params: LSCINT.e

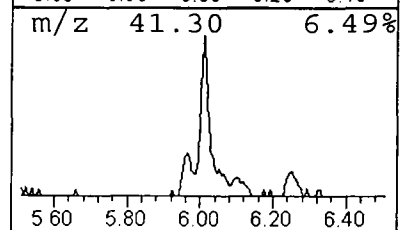
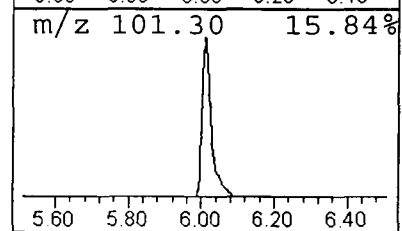
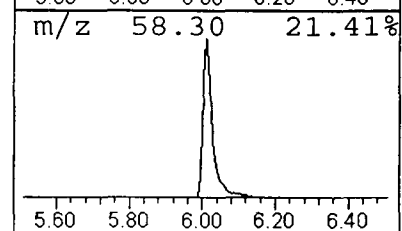
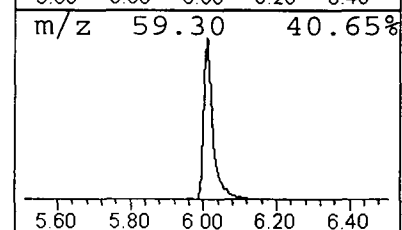
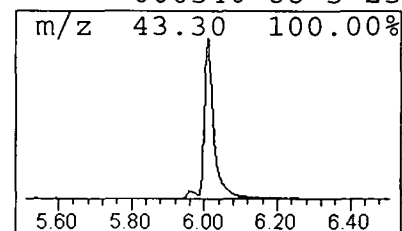
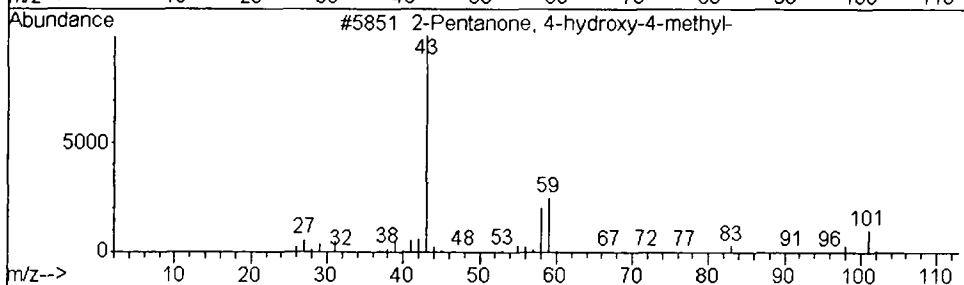
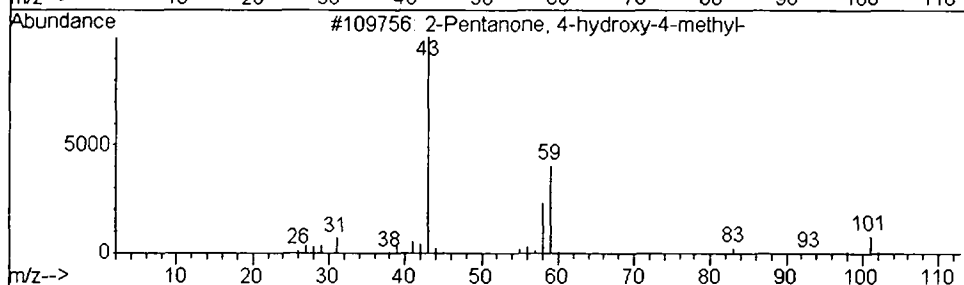
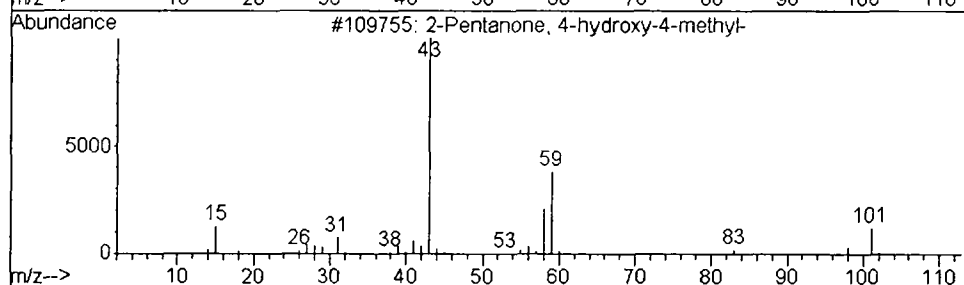
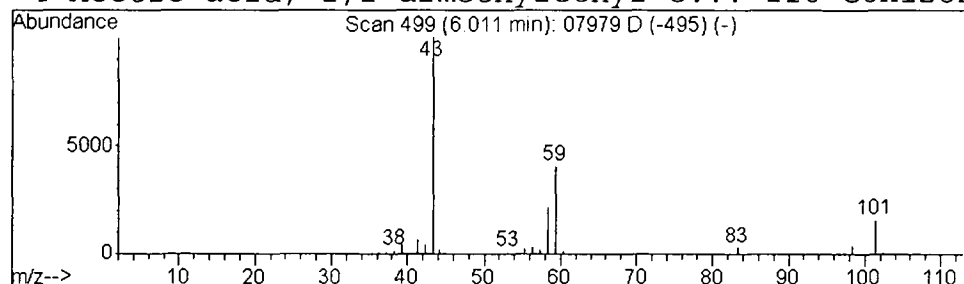
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Quant Method : C:\MSDCHEM\1\METHODS\041202SCAN.M (Chemstation Integrator)
 Title : 508 Modified GC/MS scan
 Library : C:\DATABASE\NIST98.L

 Peak Number 6 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.01	2.76 ug/L	2156040	1,4-Dichlorobenzene-d4	9.99

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
✓1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	90
2			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	72
3			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
4			Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	25



Library Search Compound Report

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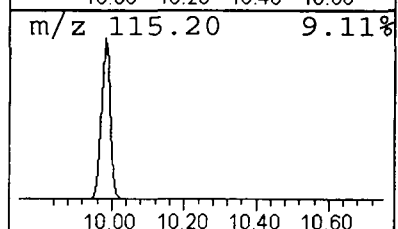
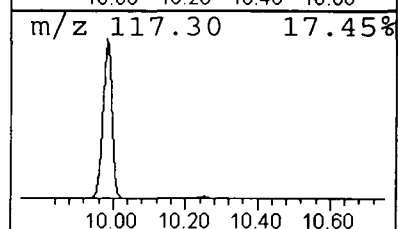
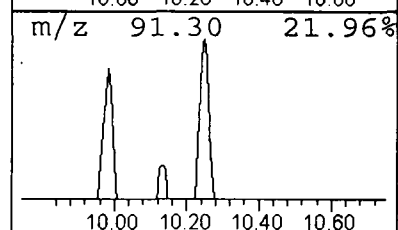
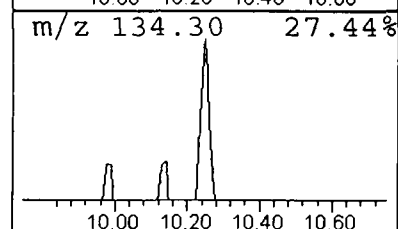
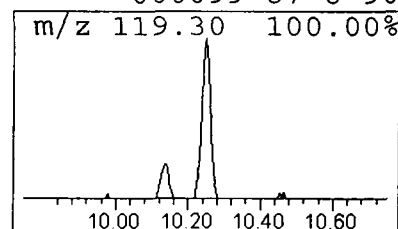
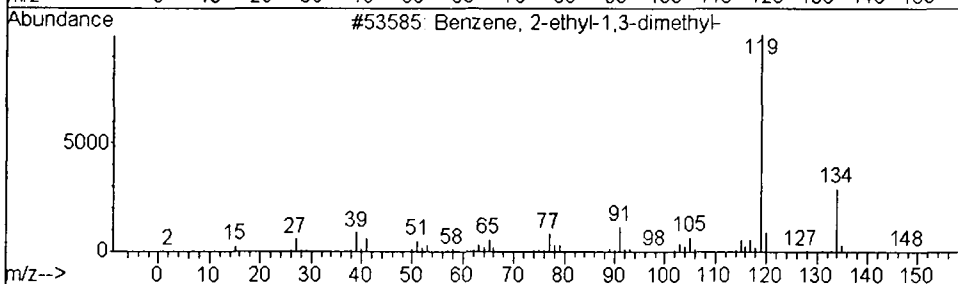
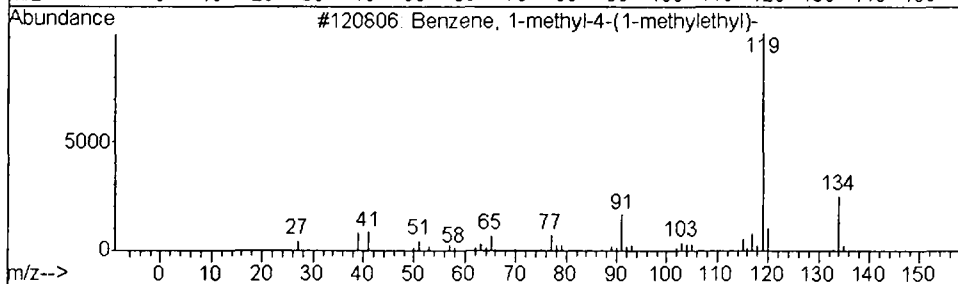
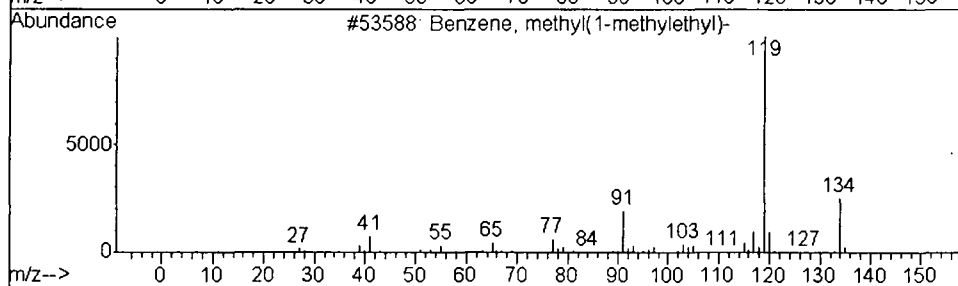
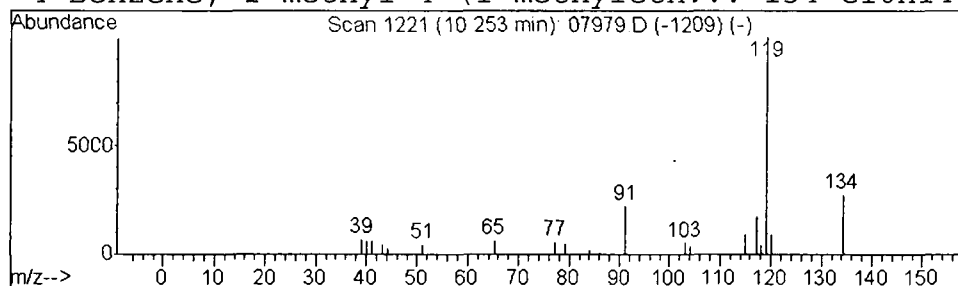
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Multiplr: 1.00

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

Peak Number 7 Benzene, methyl(1-methyleth... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.25	0.26 ug/L	203674	1,4-Dichlorobenzene-d4	9.99

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, methyl(1-methylethyl)-	134	C10H14	025155-15-1	91
2			Benzene, 1-methyl-4-(1-methyleth...	134	C10H14	000099-87-6	90
3			Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	90
4			Benzene, 1-methyl-4-(1-methyleth...	134	C10H14	000099-87-6	90



Library Search Compound Report

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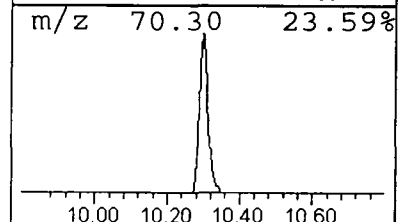
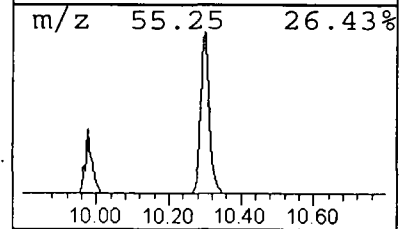
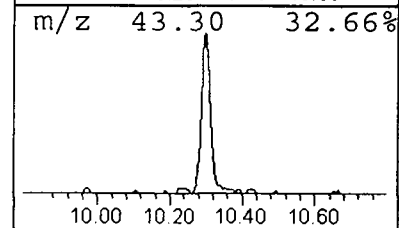
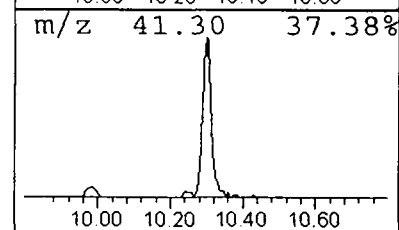
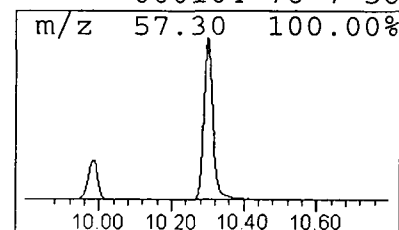
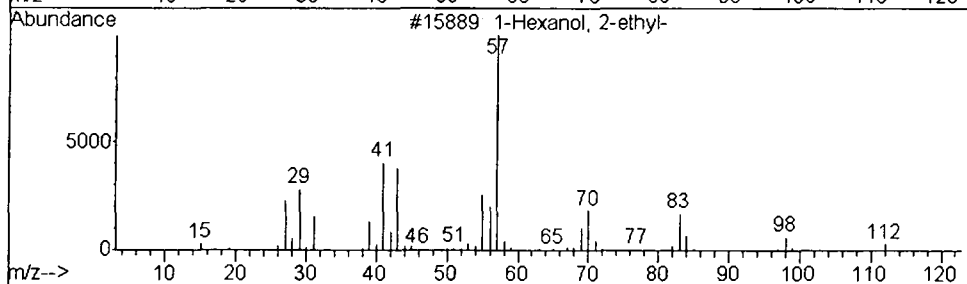
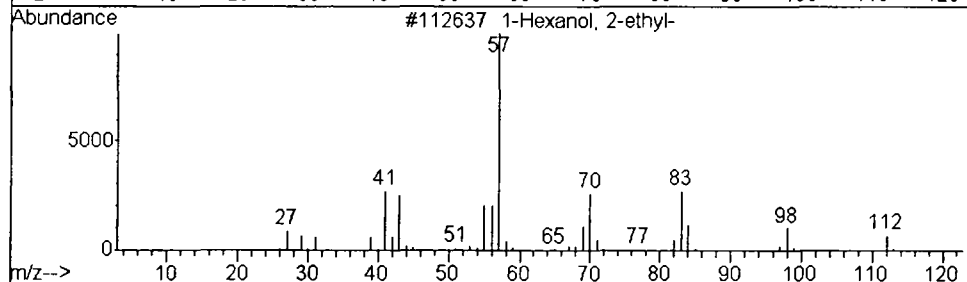
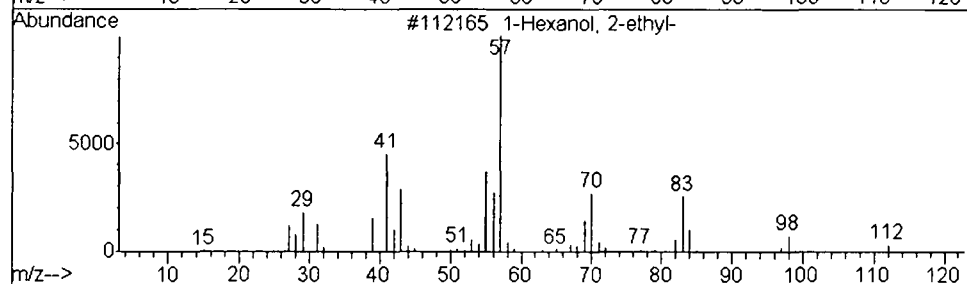
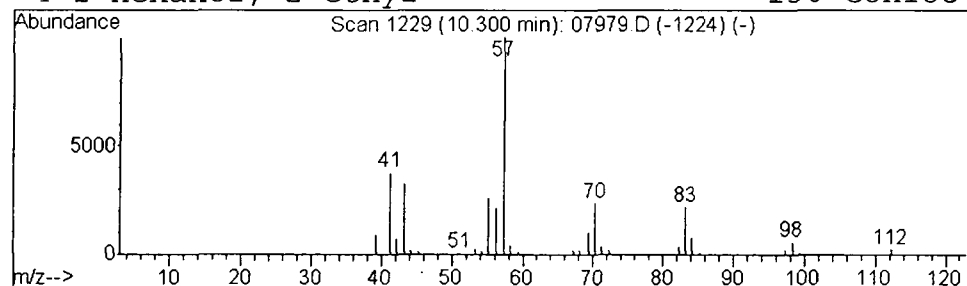
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Quant Method : C:\MSDCHEM\1\METHODS\041202SCAN.M (Chemstation Integrator)
 Title : 508 Modified GC/MS scan
 Library : C:\DATABASE\NIST98.L

 Peak Number 8 1-Hexanol, 2-ethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.30	1.68 ug/L	1311840	1,4-Dichlorobenzene-d4	9.99

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
✓1			1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	90
2			1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	90
3			1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	64
4			1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	56



Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\020415\07979.D
Acq On : 16 Apr 2002 1:32 am
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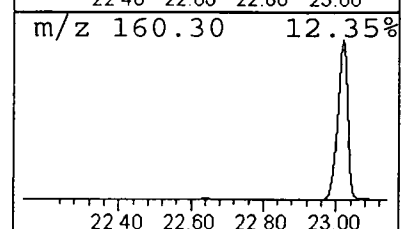
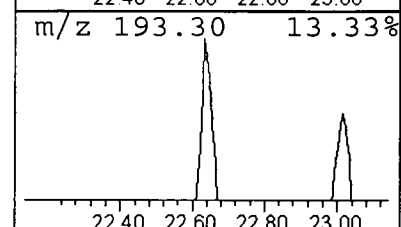
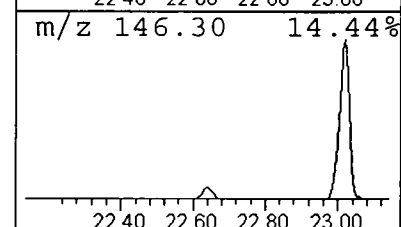
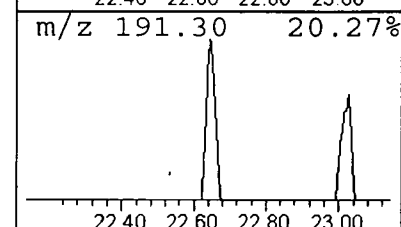
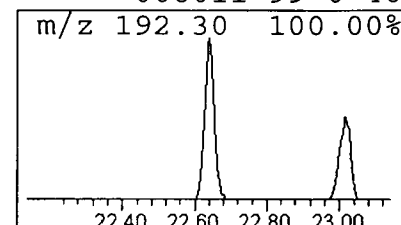
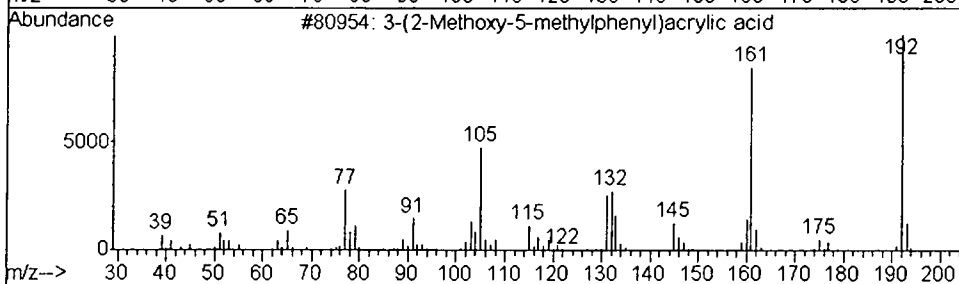
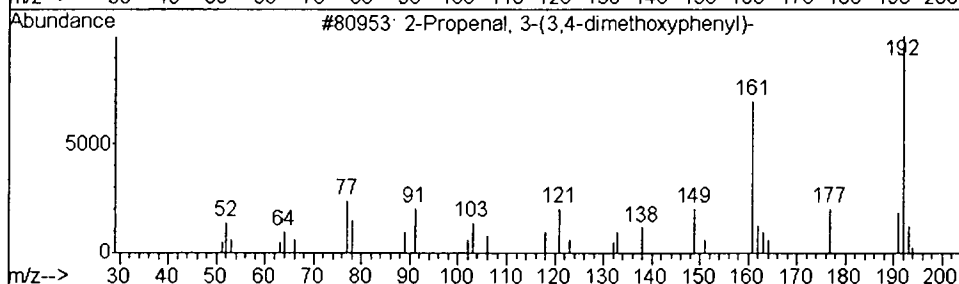
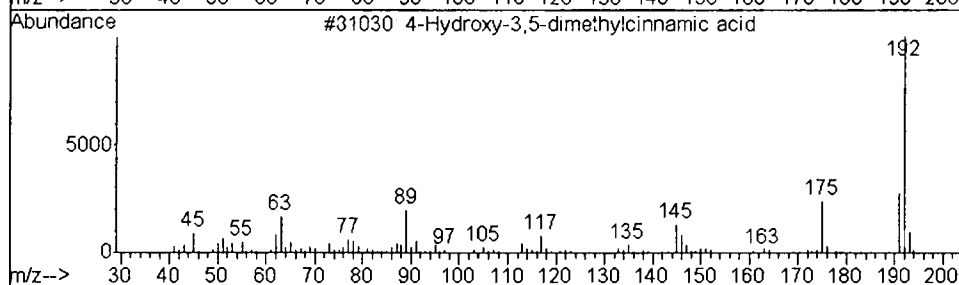
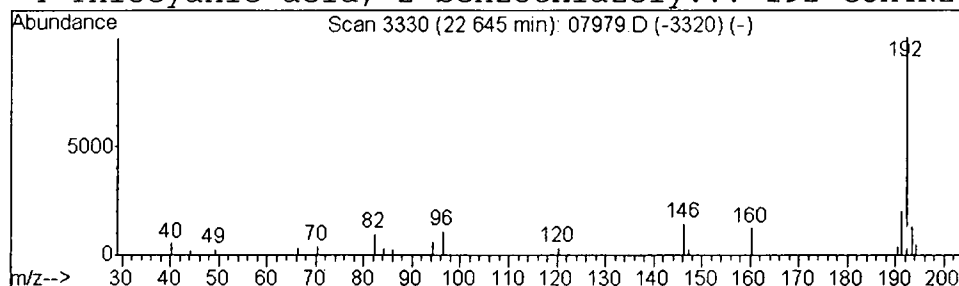
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Multiplr: 1.00

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

Peak Number 9 4-Hydroxy-3,5-dimethylcinna... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.64	0.21 ug/L	256897	Phenanthranene-d10	23.02

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			4-Hydroxy-3,5-dimethylcinnamic acid	192	C11H12O3	1000132-15-8	42
2			2-Propenal, 3-(3,4-dimethoxyphen...	192	C11H12O3	004497-40-9	42
3			3-(2-Methoxy-5-methylphenyl)acry...	192	C11H12O3	103986-76-1	40
4			Thiocyanic acid, 2-benzothiazoly...	192	C8H4N2S2	006011-99-0	40



Library Search Compound Report

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Acq On : 16 Apr 2002 1:32 am
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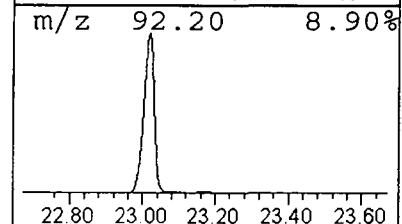
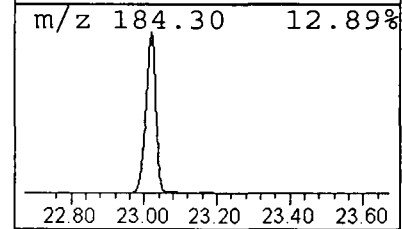
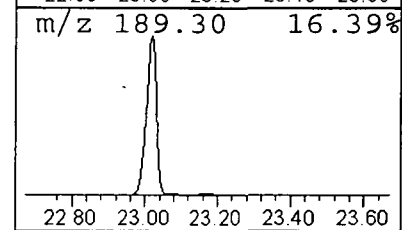
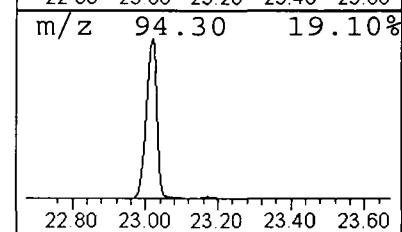
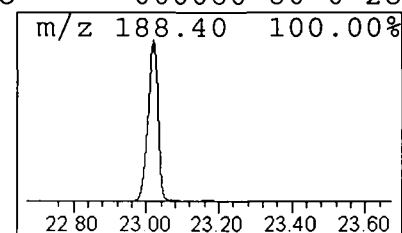
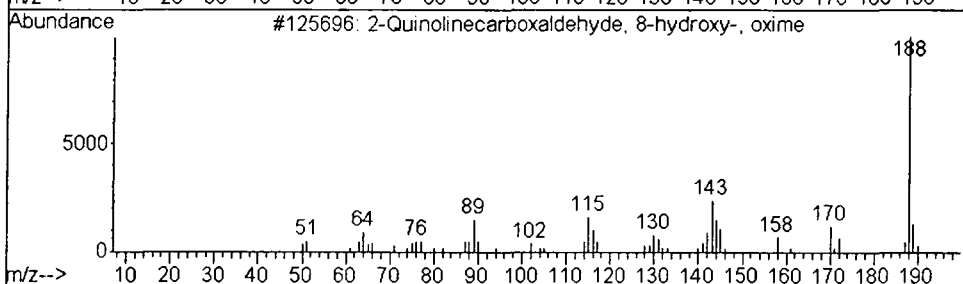
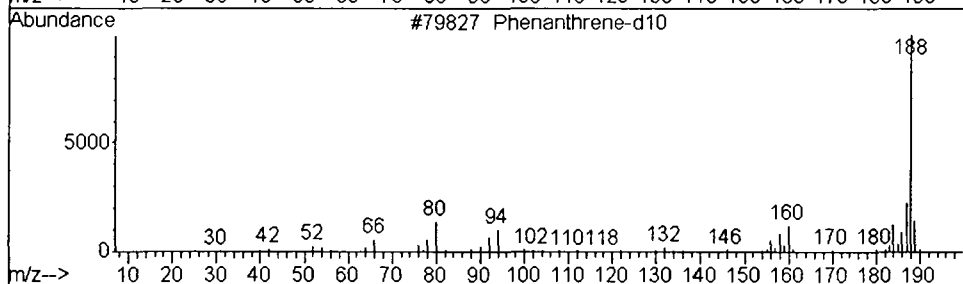
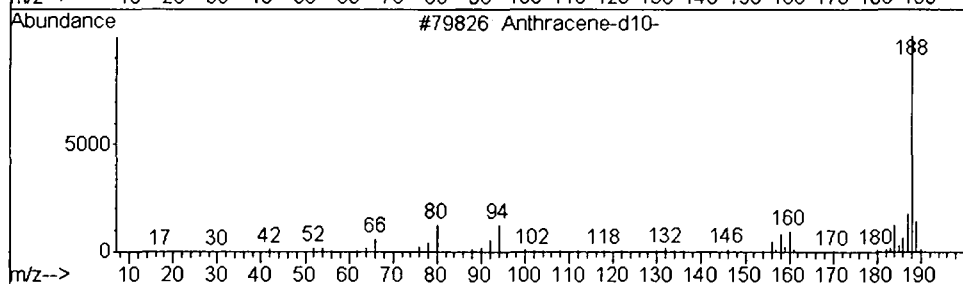
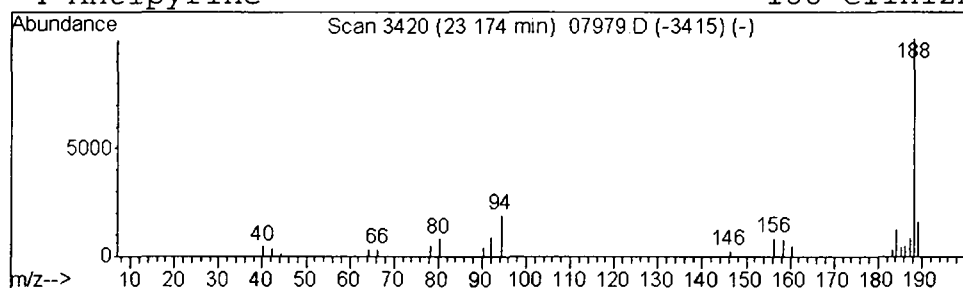
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Multiplr: 1.00

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

Peak Number 10 Anthracene-d10- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.17	0.31 ug/L	383312	Phenanthranene-d10	23.02

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Anthracene-d10-	188	C14D10	001719-06-8	72
2			Phenanthrene-d10	188	C14D10	001517-22-2	72
3			2-Quinolinecarboxaldehyde, 8-hyd...	188	C10H8N2O2	005603-22-5	33
4			Antipyrine	188	C11H12N2O	000060-80-0	28



Tentatively Identified Compound (LSC) summary

Operator ID: Nefliu Date Acquired: 16 Apr 2002 1:32 am
 Data File: C:\MSDCHEM\1\DATA\020415\07979.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	3.14	0.3	ug/L	196757	1	9.99	31235400	40.0
✓ 3-Hexanone	4.78	1.4	ug/L	1131120	1	9.99	31235400	40.0
✓ 2-Hexanone	4.87	1.6	ug/L	1283210	1	9.99	31235400	40.0
✓ Hexanal	5.14	0.6	ug/L	450140	1	9.99	31235400	40.0
Acetic acid, 3-[1...	5.96	0.4	ug/L	311442	1	9.99	31235400	40.0
✓ 2-Pentanone, 4-hy...	6.01	2.8	ug/L	2156040	1	9.99	31235400	40.0
✓ Benzene, methyl(1...	10.25	0.3	ug/L	203674	1	9.99	31235400	40.0
✓ 1-Hexanol, 2-ethyl-	10.30	1.7	ug/L	1311840	1	9.99	31235400	40.0
4-Hydroxy-3,5-dim...	22.64	0.2	ug/L	256897	4	23.02	49781900	40.0
Anthracene-d10-	23.17	0.3	ug/L	383312	4	23.02	49781900	40.0

phenanthrene-d10