

Jser: Vinci, David L
 Westchester Dept. of Labs & Research
 Date: 04/18/2002 Time: 15:40:20

Sample: AE07632
 Analysis: \$GCMS GCMS Scan For Unknowns
 Units: ug
 Started: 4/9/2002 09:52 Ended: 4/9/2002 09:52 Analyst: DLV
 Result source: manual entry
 Page: 1

	Component Name	Viol	Result	MDL
1	Other unknown compounds			
2	Surr_2,4-DDD		82	5.0

Comments for Sample AE07632 - Analysis \$GCMS

Vestchester Dept. of Labs & Research

User: Vinci, David L

Date: 04-18-2002 Time: 15:40:14

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds. This sample will be reextracted and reanalyzed because of the low, 7%, Surrogate Standard recovery. Reanalysis yields a Surrogate Standard recovery of 82%.

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\020415\07632.D
Acq On : 15 Apr 2002 6:58 pm
Sample : sample
Misc :
MS Integration Params: EVENTS.E
Quant Time: Apr 16 11:09:39 2002

Vial: 11
Operator: Nefliu
Inst : Instrumen
Multiplr: 1.00

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 11:08:01 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	5270784	40.00	ug/L	0.00
10) Napthalene-d8	13.49	136	19961121	40.00	ug/L	-0.01
17) Acenapthalene-d10	18.63	164	11686139	40.00	ug/L	-0.01
29) Phenanthranene-d10	23.02	188	18073283	40.00	ug/L	0.00
37) Chrysene-d12	30.89	240	14886287	40.00	ug/L	-0.02
43) Perylene-d12	34.79	264	10355224	40.00	ug/L	-0.01
System Monitoring Compounds						
27) TCMX	20.60	207	427027	6.59	ug/L	0.00
Spiked Amount	8.000		Recovery	=	82.38%	
Target Compounds						
35) Di-n-butylphthalate	25.16	149	455397	0.86	ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed
07632.D 041202SCAN.M Tue Apr 16 11:10:17 2002 Page 1

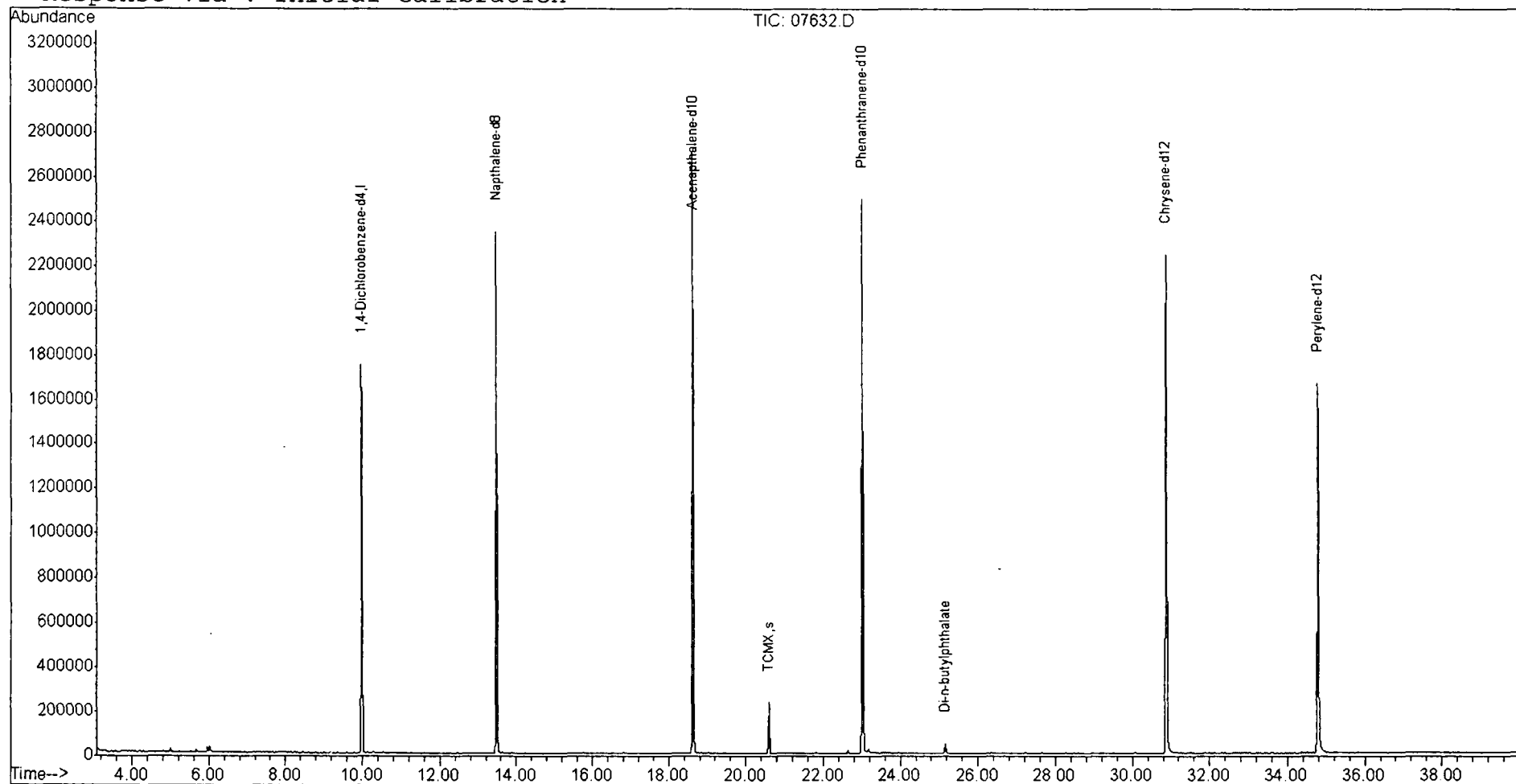
Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\020415\07632.D
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Sample : sample
Misc :
MS Integration Params: EVENTS.E
Quant Time: Apr 16 11:10 2002

Vial: 11
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 11:08:01 2002
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\MSDCHEM\1\DATA\020415\07632.D
 Acq On : 15 Apr 2002 6:58 pm
 Sample : sample
 Misc :
 MS Integration Params: LSCINT.e

Vial: 11
 Operator: Nefliu
 Inst : Instrumen
 Multiplr: 1.00

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

Signal : TIC

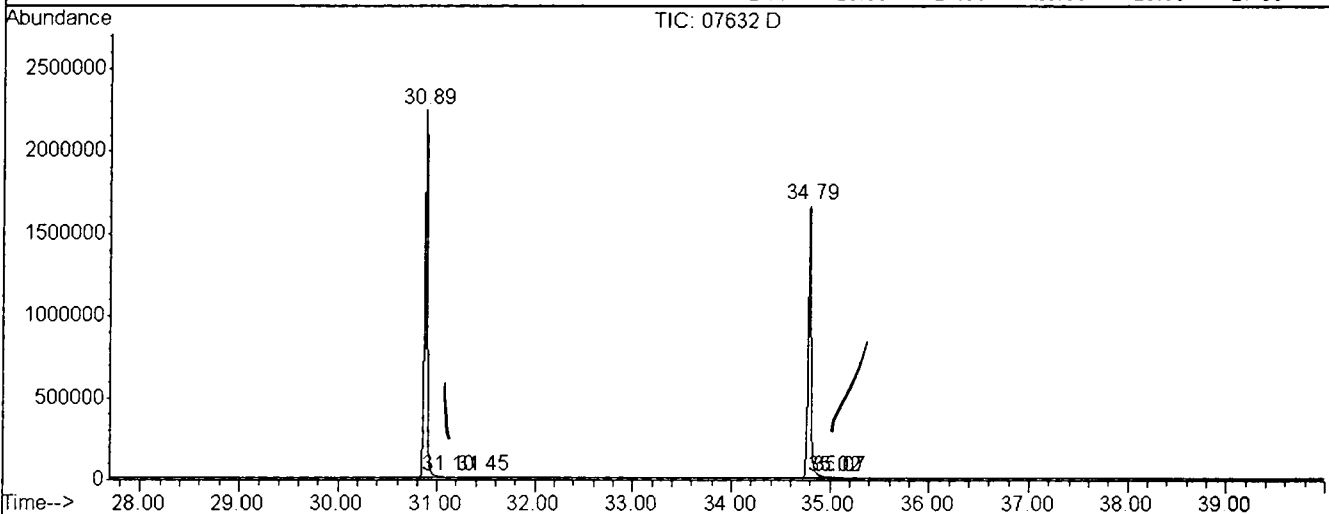
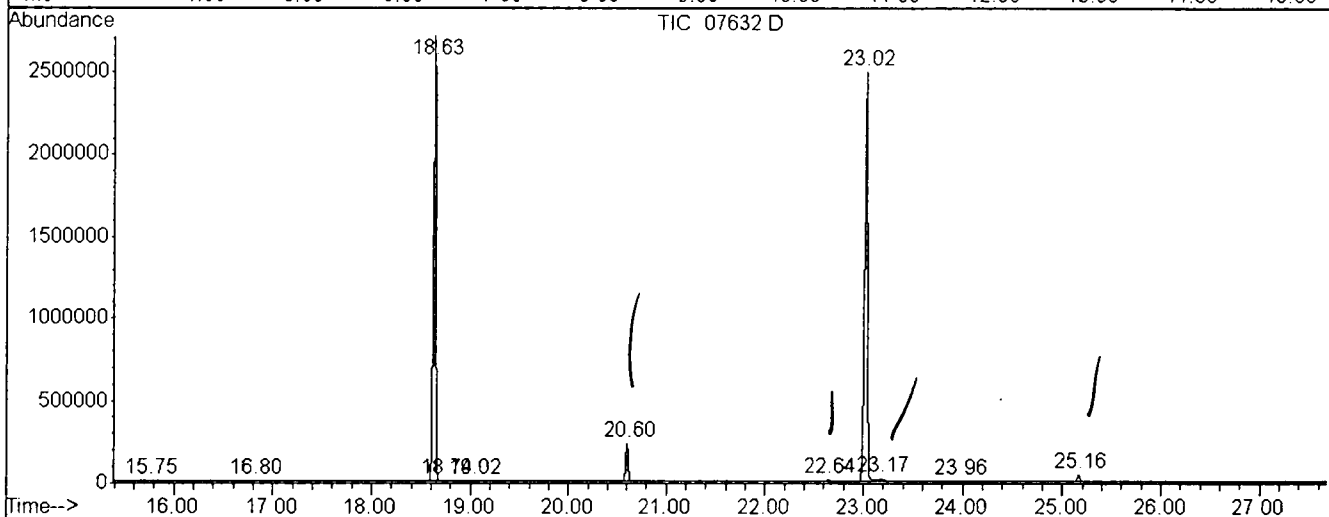
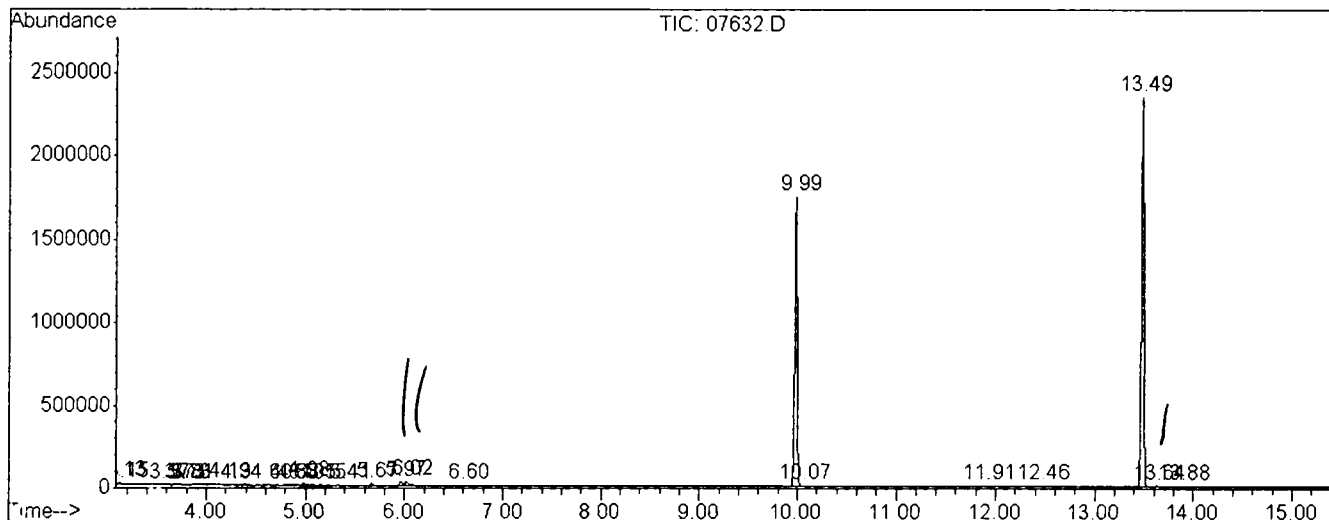
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.126	3	8	11	BV 2	10930	148435	0.32%	0.059%
2	3.156	11	13	26	VV 3	3757	62658	0.13%	0.025%
3	3.573	81	84	89	PV 6	2172	34109	0.07%	0.014%
4	3.731	106	111	113	VV 3	2283	43746	0.09%	0.017%
5	3.778	113	119	123	VV 3	3443	90613	0.19%	0.036%
6	3.814	123	125	131	VV 7	2978	69928	0.15%	0.028%
7	4.196	184	190	199	VV 3	6686	158853	0.34%	0.063%
8	4.307	205	209	213	VV 5	2898	60401	0.13%	0.024%
9	4.607	253	260	263	VV 5	1997	45605	0.10%	0.018%
10	4.807	288	294	305	VV 6	4155	140131	0.30%	0.055%
11	4.883	305	307	313	VV 6	2828	55341	0.12%	0.022%
12	4.983	320	324	331	VV 2	14835	244794	0.52%	0.097%
13	5.053	331	336	349	VV 3	2714	85825	0.18%	0.034%
14	5.153	349	353	361	VV 5	2861	63127	0.13%	0.025%
15	5.406	391	396	400	VV 4	2041	37118	0.08%	0.015%
16	5.670	433	441	449	VV 4	10609	179940	0.38%	0.071%
17	5.964	486	491	497	VV	20454	379065	0.81%	0.150%
18	6.023	497	501	523	VV	24876	556953	1.18%	0.221%
19	6.605	597	600	604	VV 2	1532	13079	0.03%	0.005%
20	9.989	1166	1176	1187	VV	1731202	29957886	63.73%	11.861%
21	10.065	1187	1189	1192	VV 3	2108	21863	0.05%	0.009%
22	11.916	1500	1504	1508	PV 2	1812	18272	0.04%	0.007%
23	12.463	1592	1597	1601	PV 2	2925	45620	0.10%	0.018%
24	13.485	1759	1771	1783	PV	2322316	40040984	85.19%	15.853%
25	13.638	1790	1797	1802	VV 3	5014	96095	0.20%	0.038%
26	13.879	1834	1838	1842	VV 3	2294	26151	0.06%	0.010%
27	15.753	2153	2157	2161	VV	1654	23452	0.05%	0.009%
28	16.805	2332	2336	2340	PV 2	3168	42844	0.09%	0.017%
29	18.632	2622	2647	2664	PV	2665600	47004019	100.00%	18.610%
30	18.744	2664	2666	2672	VV 4	1358	25002	0.05%	0.010%
31	19.026	2709	2714	2719	PV 3	1685	30984	0.07%	0.012%
32	20.600	2973	2982	2992	PV	226898	3906369	8.31%	1.547%
33	22.639	3316	3329	3340	VV 3	13018	251016	0.53%	0.099%
34	23.021	3381	3394	3415	PV 2	2442432	46948204	99.88%	18.588%
35	23.174	3415	3420	3432	VV 2	17435	378239	0.80%	0.150%
36	23.955	3549	3553	3558	PV 3	1707	22565	0.05%	0.009%
37	25.160	3750	3758	3773	VV	42302	808692	1.72%	0.320%

38	30.882	4721	4732	4767	PV	2	2196638	44425690	94.51%	17.589%
39	31.100	4767	4769	4776	VV	3	3176	76189	0.16%	0.030%
40	31.452	4821	4829	4837	VV	4	3255	76703	0.16%	0.030%
41	34.790	5385	5397	5434	PV		1627793	35815457	76.20%	14.180%
42	35.019	5434	5436	5443	VV	3	2270	50097	0.11%	0.020%
43	35.072	5443	5445	5451	VV	4	1537	16236	0.03%	0.006%

Sum of corrected areas: 252578347

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\DATA\020415\07632.D
 Operator : Nefliu
 Acquired : 15 Apr 2002 6:58 pm using AcqMethod 508SCAN
 Instrument : Instrumen
 Sample Name: sample
 Misc Info :
 Vial Number: 11
 Quant File :041202SCAN.RES (Chemstation Integrator)



Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\020415\07632.D
 Acq On : 15 Apr 2002 6:58 pm
 Sample : sample
 Misc :
 MS Integration Params: LSCINT.e

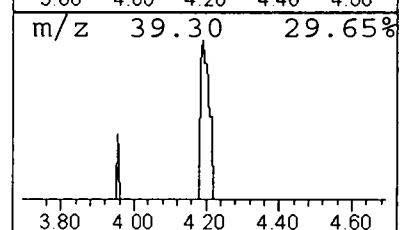
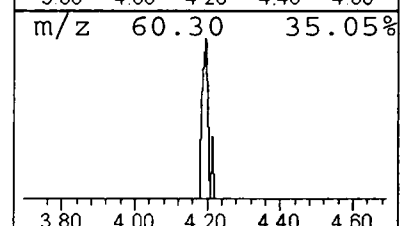
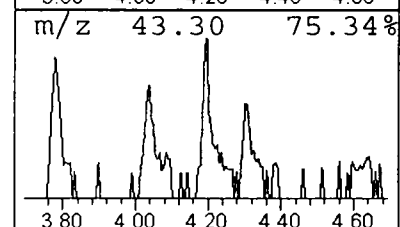
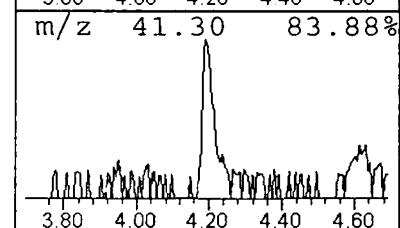
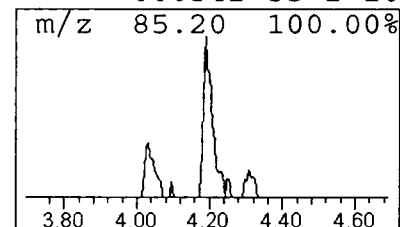
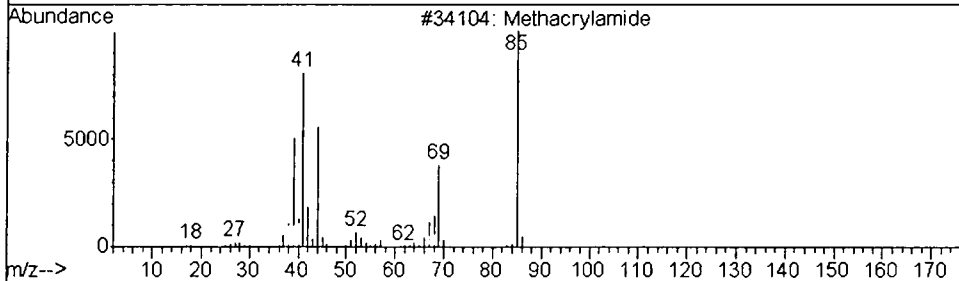
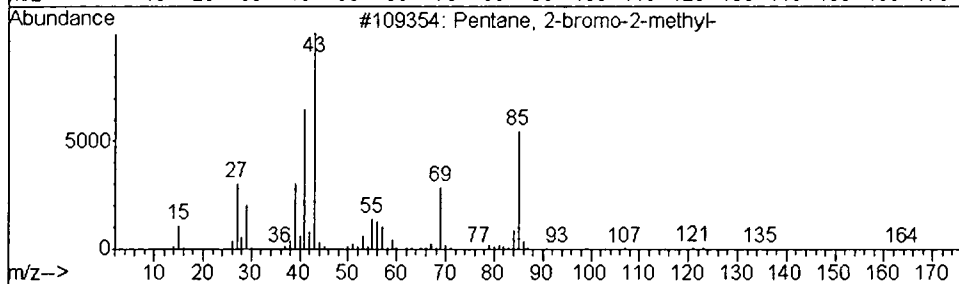
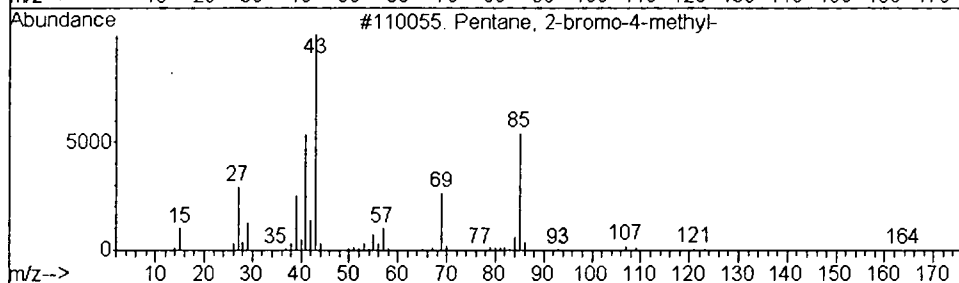
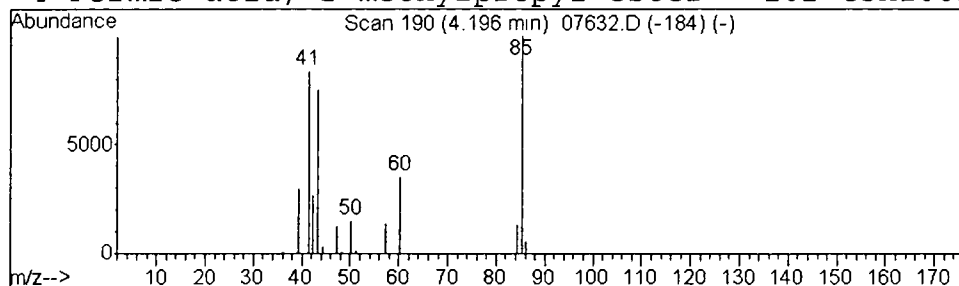
Vial: 11
 Operator: Nefliu
 Inst : Instrumen
 Multiplr: 1.00

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

 Peak Number 1 Pentane, 2-bromo-4-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.19	0.21 ug/L	158853	1,4-Dichlorobenzene-d4	9.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentane, 2-bromo-4-methyl-	164	C6H13Br	030310-22-6	33
2		Pentane, 2-bromo-2-methyl-	164	C6H13Br	004283-80-1	28
3		Methacrylamide	85	C4H7NO	000079-39-0	25
4		Formic acid, 2-methylpropyl ester	102	C5H10O2	000542-55-2	10



Library Search Compound Report

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 Acq On : 15 Apr 2002 6:58 pm
 Sample : sample
 Misc :
 MS Integration Params: LSCINT.e

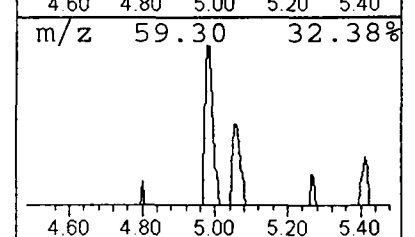
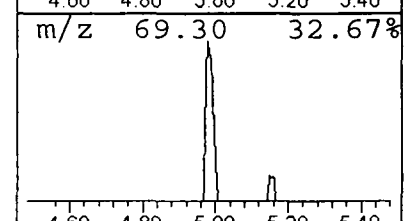
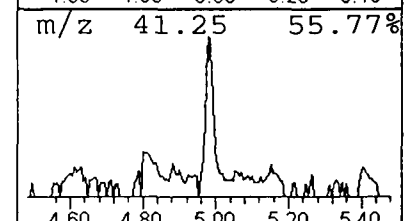
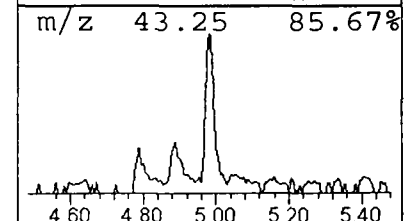
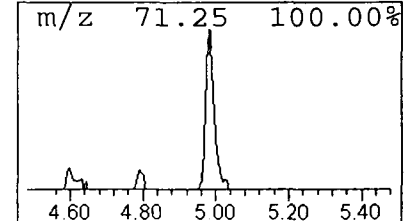
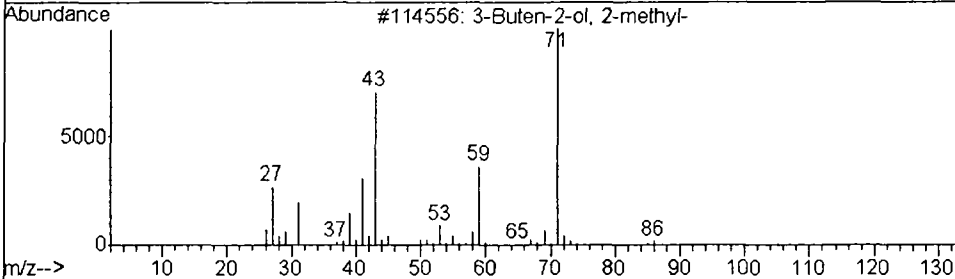
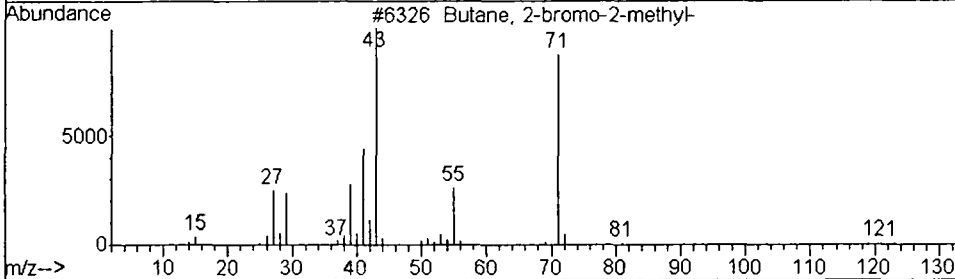
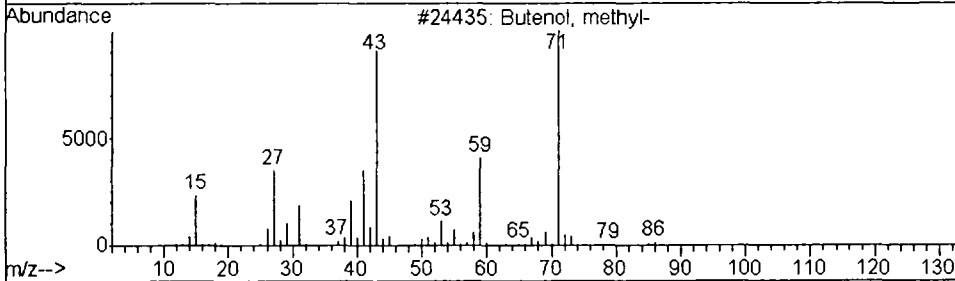
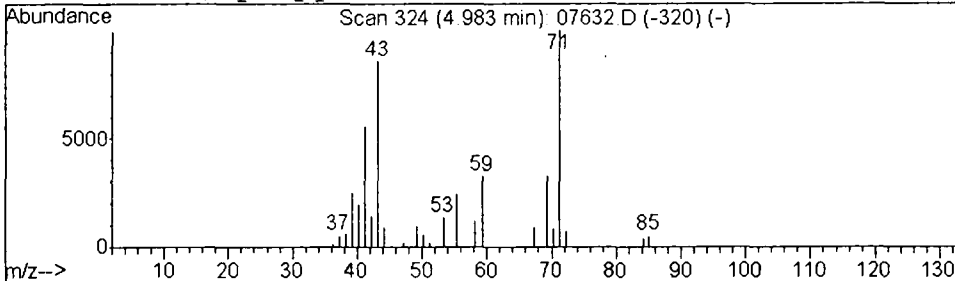
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 Operator: Nefliu
 Inst : Instrumen
 Multiplr: 1.00

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

 Peak Number 2 Butenol, methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.98	0.33 ug/L	244794	1,4-Dichlorobenzene-d4	9.99

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butenol, methyl-	86	C5H10O	060766-00-9	45
2			Butane, 2-bromo-2-methyl-	150	C5H11Br	000507-36-8	43
3			3-Buten-2-ol, 2-methyl-	86	C5H10O	000115-18-4	38
4			Oxirane, propyl-	86	C5H10O	001003-14-1	38



Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\020415\07632.D
Acq On : 15 Apr 2002 6:58 pm
Sample : sample
Misc :
MS Integration Params: LSCINT.e

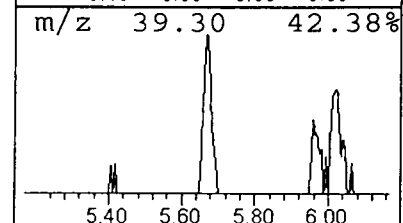
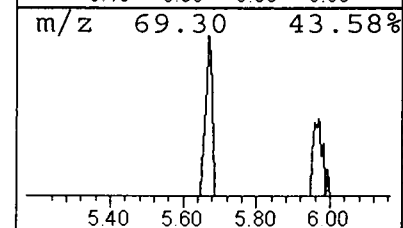
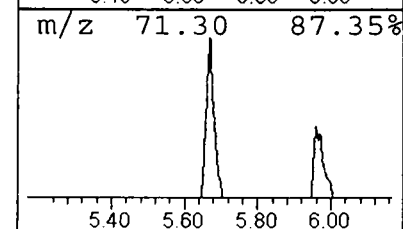
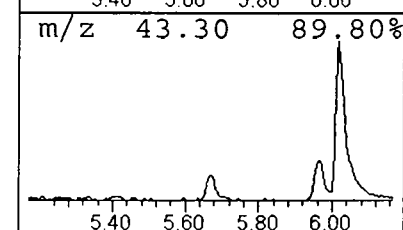
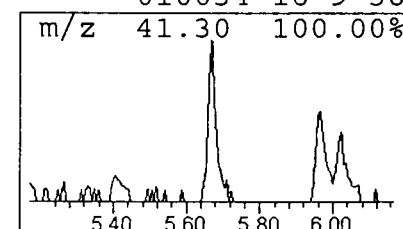
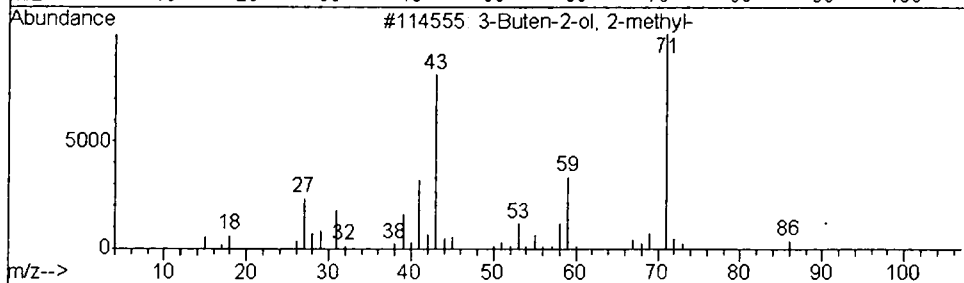
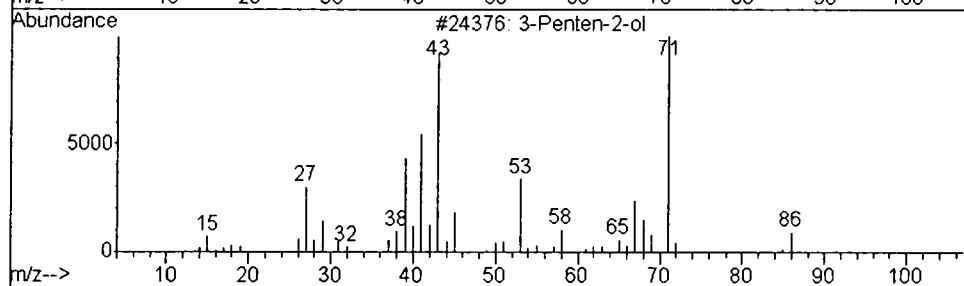
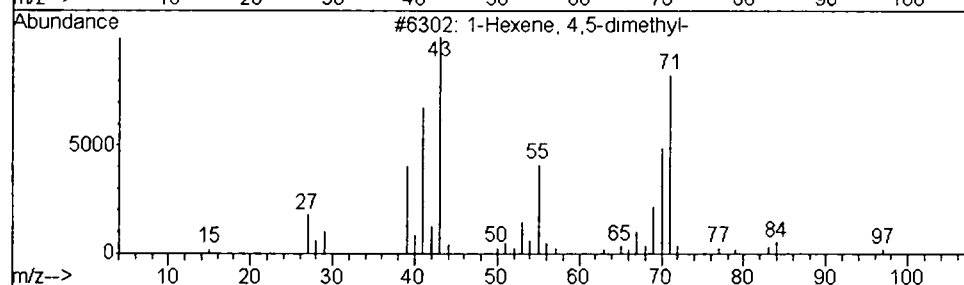
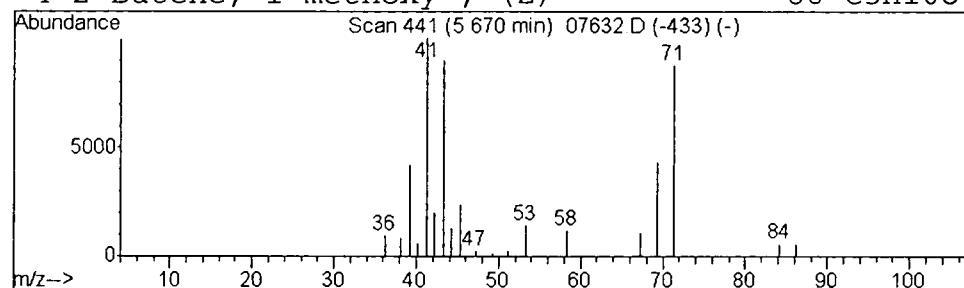
Vial: 11
Operator: Nefliu
Inst : Instrumen
Multiplr: 1.00

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

Peak Number 3 1-Hexene, 4,5-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.67	0.24 ug/L	179940	1,4-Dichlorobenzene-d4	9.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Hexene, 4,5-dimethyl-	112	C8H16	016106-59-5	45
2		3-Penten-2-ol	86	C5H10O	001569-50-2	45
3		3-Buten-2-ol, 2-methyl-	86	C5H10O	000115-18-4	43
4		2-Butene, 1-methoxy-, (Z)-	86	C5H10O	010034-16-9	36



Library Search Compound Report

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 Sample : sample
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 MS Integration Params: LSCINT.e

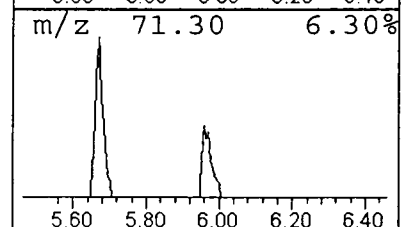
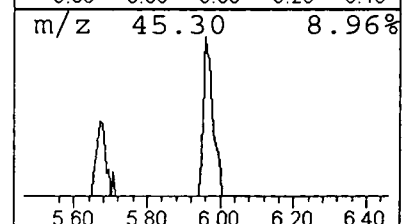
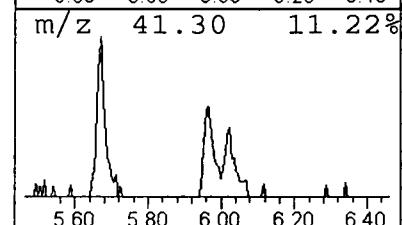
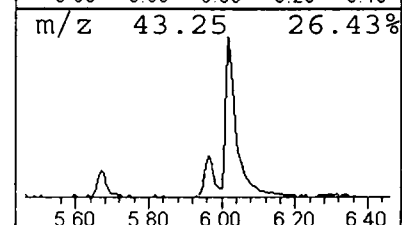
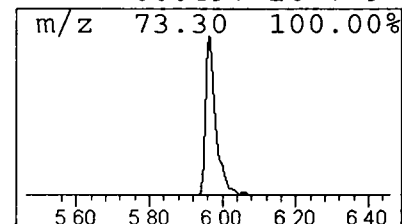
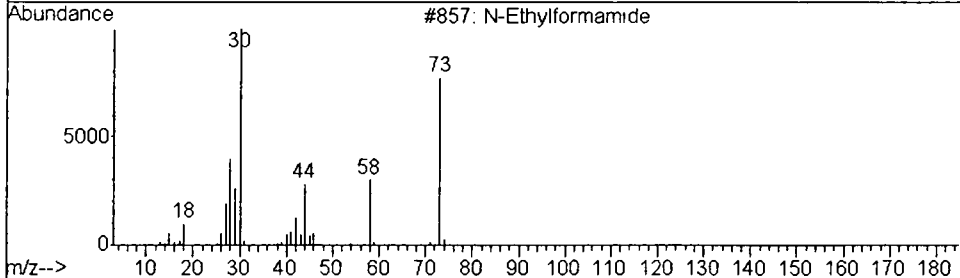
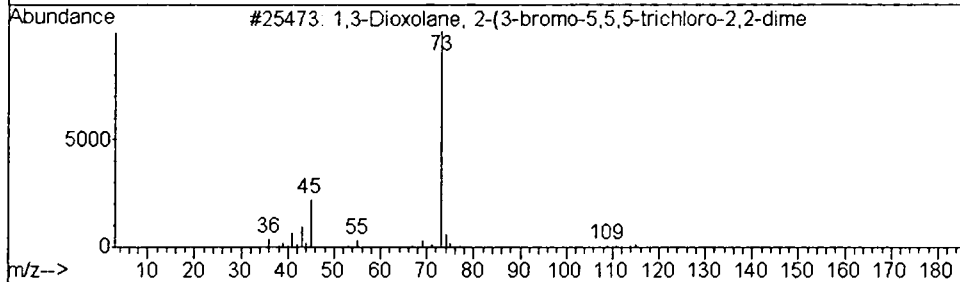
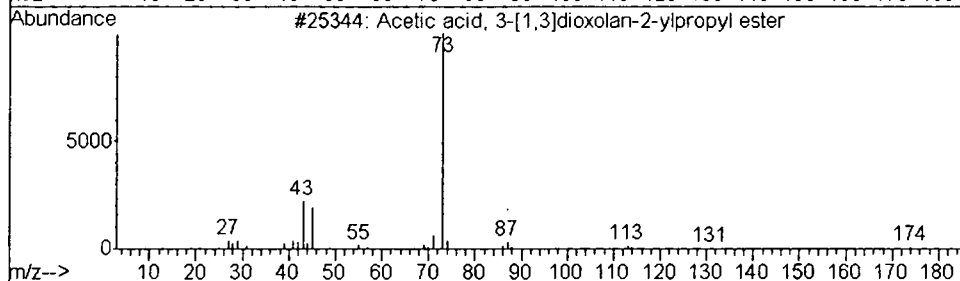
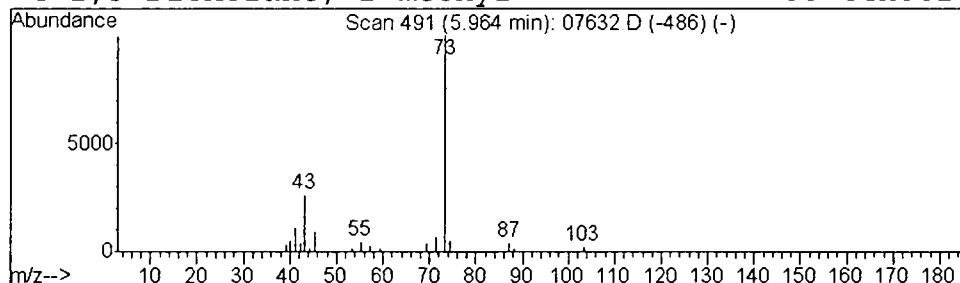
Vial: 11
 Operator: Nefliu
 Inst : Instrumen
 Multiplr: 1.00

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

 Peak Number 4 Acetic acid, 3-[1,3]dioxola... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.97	0.51 ug/L	379065	1,4-Dichlorobenzene-d4	9.99

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Acetic acid, 3-[1,3]dioxolan-2-y...	174	C8H14O4	1000186-02-3	38
2			1,3-Dioxolane, 2-(3-bromo-5,5,5-...	352	C10H16BrCl3O2	1000115-31-4	28
3			N-Ethylformamide	73	C3H7NO	000627-45-2	9
4			1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	9



Library Search Compound Report

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Sample : sample
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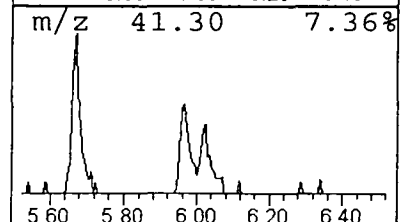
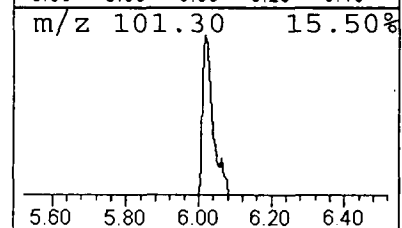
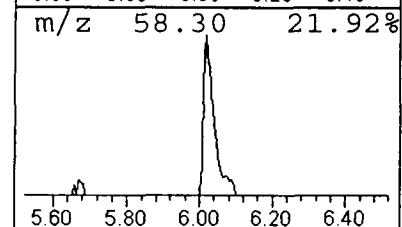
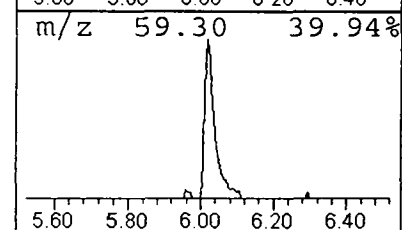
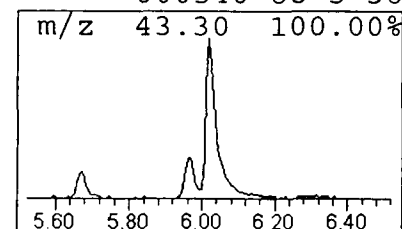
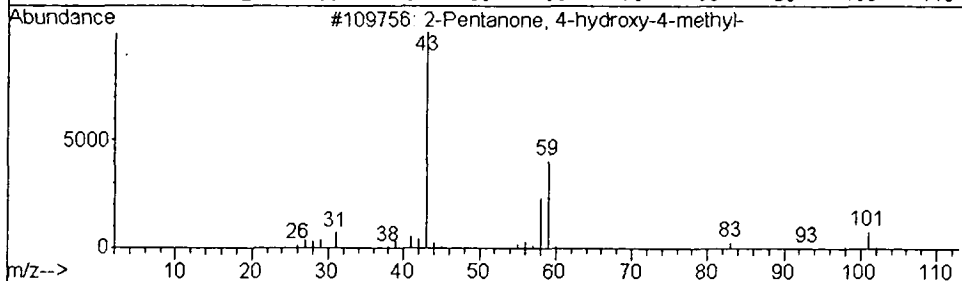
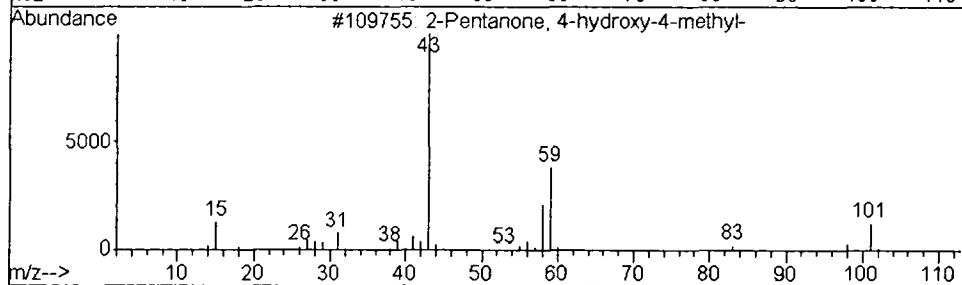
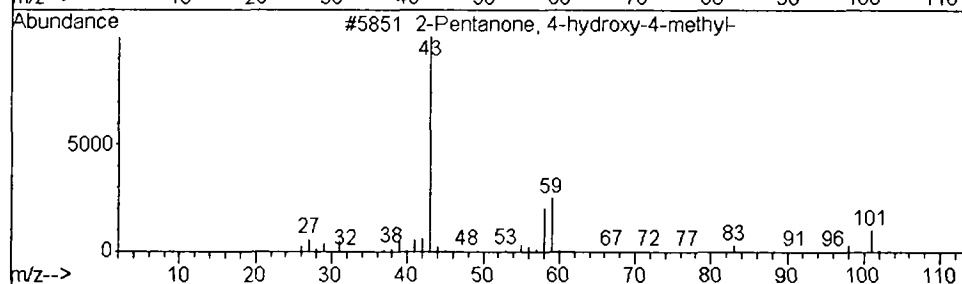
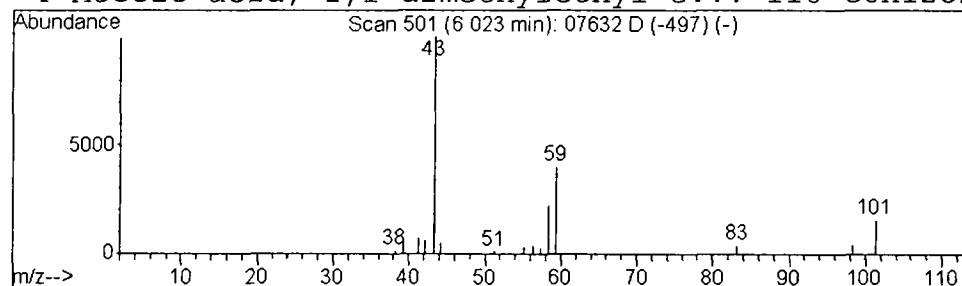
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Operator: Nefliu
Inst : Instrumen
Multiplr: 1.00

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

Peak Number 5 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.02	0.74 ug/L	556953	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	83
2			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	83
3			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	74
4			Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	36



Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\020415\07632.D
Acq On : 15 Apr 2002 6:58 pm
Sample : sample
Misc :
MS Integration Params: LSCINT.e

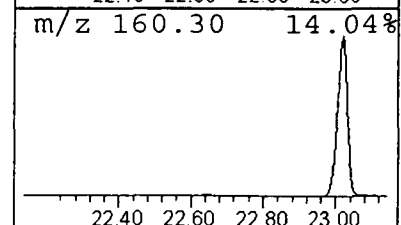
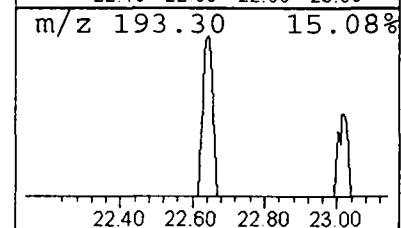
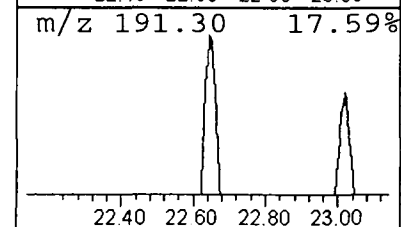
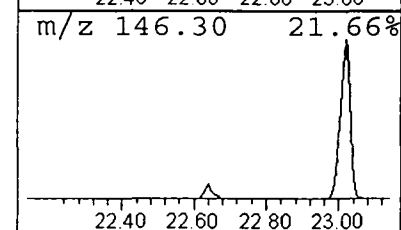
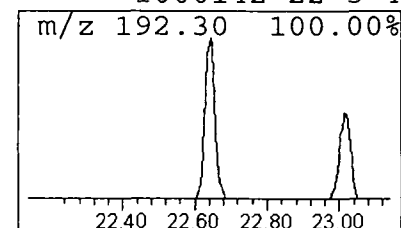
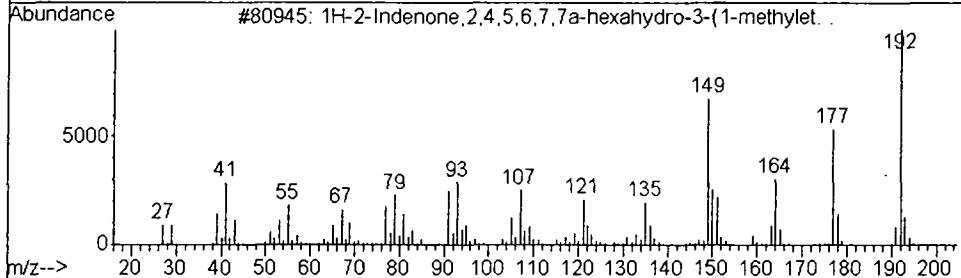
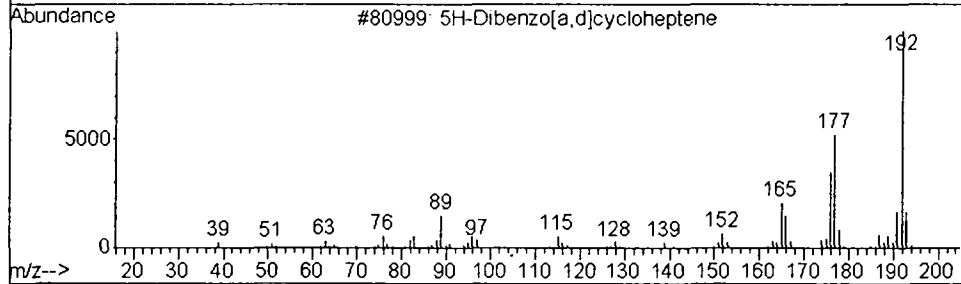
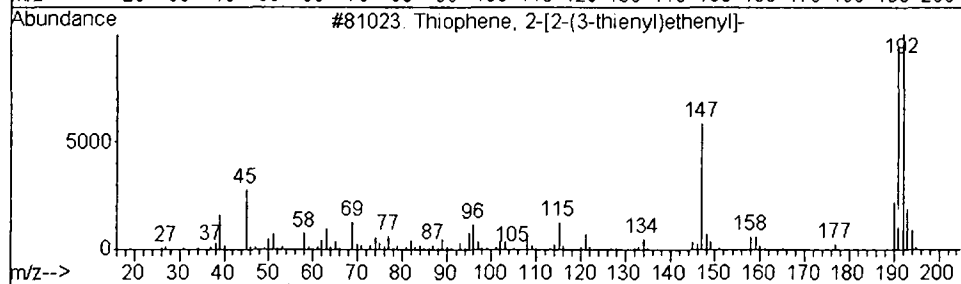
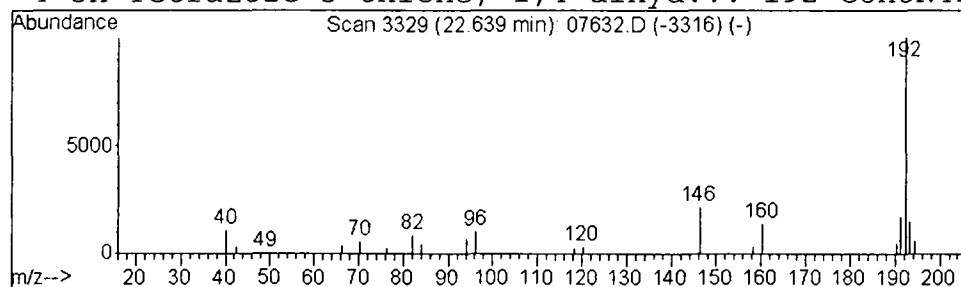
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Multiplr: 1.00

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

Peak Number 6 Thiophene, 2-[2-(3-thienyl)... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.64	0.21 ug/L	251016	Phenanthranene-d10	23.02

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Thiophene, 2-[2-(3-thienyl)ethen...	192	C10H8S2	116854-09-2	50
2		5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	42
3		1H-2-Indenone,2,4,5,6,7,7a-hexah...	192	C13H20O	1000196-69-5	40
4		5H-Tetrazole-5-thione, 1,4-dihyd...	192	C8H8N4S	1000142-22-5	40



Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\020415\07632.D
Acq On : 15 Apr 2002 6:58 pm
Sample : sample
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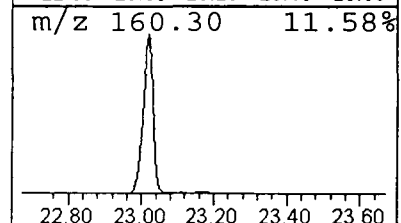
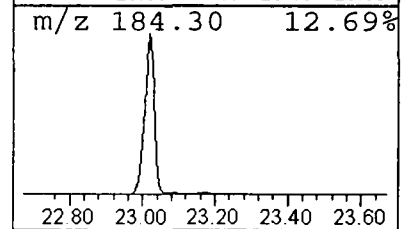
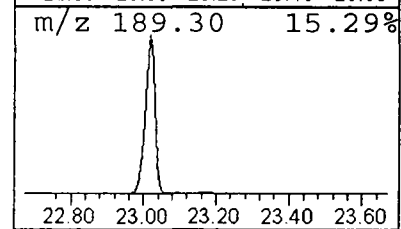
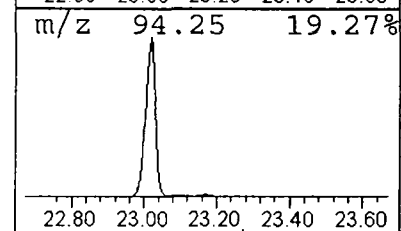
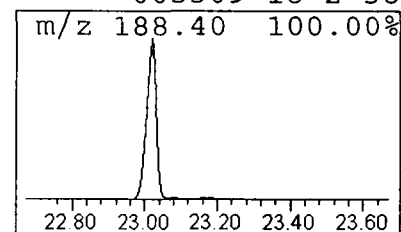
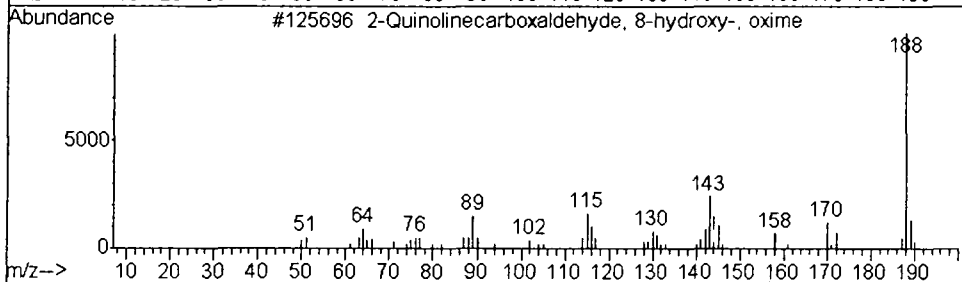
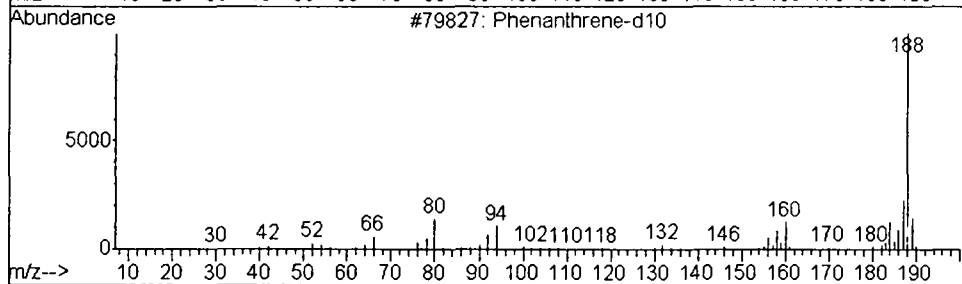
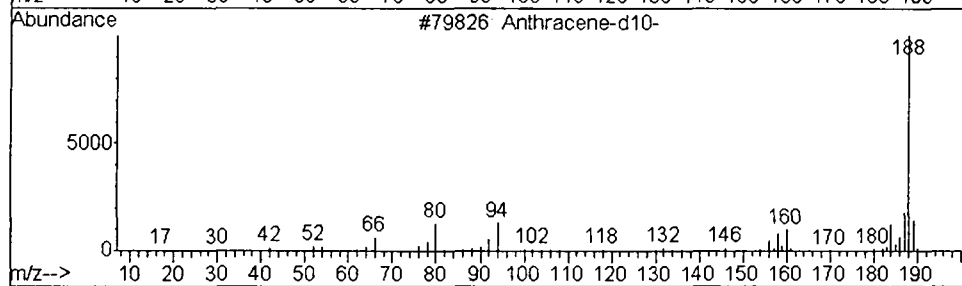
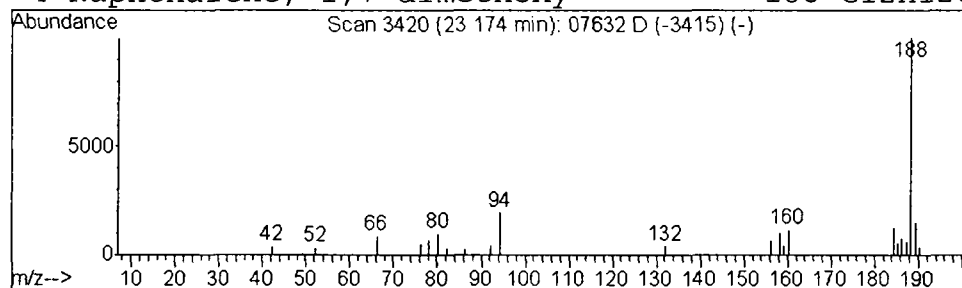
Vial: 11
Operator: Nefliu
Inst : Instrumen
Multiplr: 1.00

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

Peak Number 7 Anthracene-d10- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.17	0.32 ug/L	378239	Phenanthranene-d10	23.02

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Anthracene-d10-	188	C14D10	001719-06-8	90
2			Phenanthrene-d10	188	C14D10	001517-22-2	87
3			2-Quinolinecarboxaldehyde, 8-hyd...	188	C10H8N2O2	005603-22-5	38
4			Naphthalene, 1,7-dimethoxy-	188	C12H12O2	005309-18-2	38



Tentatively Identified Compound (LSC) summary

Operator ID: Nefliu Date Acquired: 15 Apr 2002 6:58 pm
Data File: C:\MSDCHEM\1\DATA\020415\07632.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
Pentane, 2-bromo-...	4.19	0.2	ug/L	158853	1	9.99	29957900	40.0
Butenol, methyl-	4.98	0.3	ug/L	244794	1	9.99	29957900	40.0
1-Hexene, 4,5-dim...	5.67	0.2	ug/L	179940	1	9.99	29957900	40.0
Acetic acid, 3-[1...	5.97	0.5	ug/L	379065	1	9.99	29957900	40.0
2-Pentanone, 4-hy...	6.02	0.7	ug/L	556953	1	9.99	29957900	40.0
Thiophene, 2-[2-(...	22.64	0.2	ug/L	251016	4	23.02	46948200	40.0
Anthracene-d10-	23.17	0.3	ug/L	378239	4	23.02	46948200	40.0