User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 05/17/2002 Time: 12:17:04

Sample: AE10308
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 5/17/02 12:16 Ended: 5/17/02 12:16 Analyst: DLV
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr_2,4-DDD		89		10.0

Comments for Sample AE10308 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 05-17-2002 Time: 12:17:08

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds. The recoveries for 4 of the 43 compounds in the LCS Standard were low.

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\050802\10308.D Vial: 11
Acq On : 8 May 2002 9:56 pm Operator: Mclean
Sample : 5/1 eh Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: May 09 11:11:09 2002 Quant Results File: 050102.RES

Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Last Update : Tue May 07 09:57:23 2002
Response via : Initial Calibration
DataAcq Meth : 508SCAN

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.94	152	5376032	40.00	ug/L	0.00
10) Napthalene-d8	13.43	136	21331181	40.00	ug/L	0.00
17) Acenapthalene-d10	18.57	164	11495931	40.00	ug/L	0.00
29) Phenanthranene-d10	22.95	188	16566699	40.00	ug/L	0.00
37) Chrysene-d12	30.80	240	11911169	40.00	ug/L	0.00
43) Perylene-d12	34.70	264	7109039	40.00	ug/L	0.00
System Monitoring Compounds						
27) TCMX	20.54	209	766317	8.92	ug/L	0.00
Spiked Amount 10.000			Recovery = 89.20%			
50) 2,4-ddd	0.00	235	0	0.00	ug/L	
Spiked Amount 5.000			Recovery = 0.00%			
Target Compounds						Qvalue
2) n-nitros-dimethyl amine	0.00	74	0	N.D.		
3) bis(2-Chloroethyl)ether	0.00	93	0	N.D.		
4) 1,3-Dichlorobenzene	0.00	146	0	N.D.		
5) 1,4-Dichlorobenzene	0.00	146	0	N.D.		
6) 1,2-Dichlorobenzene	0.00	146	0	N.D.		
7) 2,2'oxybis(1-Chloropropane	0.00	45	0	N.D.		
8) N-nitroso-di-propylamine	0.00	70	0	N.D.		
9) Hexachloroethane	0.00	117	0	N.D.		
11) Nitrobenzene	0.00	77	0	N.D.		
12) Isophorone	0.00	82	0	N.D.		
13) bis(2-Chloroethoxy) methan	0.00	93	0	N.D.		
14) 1,2,4-Trichlorobenzene	0.00	180	0	N.D.		
15) Napthalene	0.00	128	0	N.D.		
16) Hexachlorobutadiene	0.00	225	0	N.D.		
18) 2-Chloronaphthalene	0.00	162	0	N.D.		
19) Dimethylphthalate	0.00	163	0	N.D.		
20) 2,6-Dinitrotoluene	0.00	165	0	N.D.		
21) Acenapthylene	0.00	152	0	N.D.		
22) Acenapthalene	0.00	153	0	N.D.		
23) 2,4-Dinitrotoluene	0.00	165	0	N.D.		
24) Diethylphthalate	0.00	149	0	N.D.		
25) 4-Chlorophenyl-phenylether	0.00	204	0	N.D.		
26) Fluorene	0.00	166	0	N.D.		
28) Azobenzene	0.00	77	0	N.D.		
30) Nnitrosodiphenylamine	0.00	169	0	N.D.		
31) 4-Bromophenyl-phenylether	0.00	248	0	N.D.		
32) Hexachlorobenzene	0.00	284	0	N.D.		
33) Phenanthrene	0.00	178	0	N.D.		

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

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	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
34)	Anthracene	0.00	178	0	N.D.	
35)	Di-n-butylphthalate	25.09	149	16286	N.D.	
36)	Fluoroanthene	0.00	202	0	N.D.	
38)	Pyrene	0.00	202	0	N.D.	
39)	Butylbenzylphthalate	0.00	149	0	N.D.	
40)	Benzo(a)anthracene	30.80	228	28618	N.D.	
41)	Bis(2-ethylhexyl)phthalate	0.00	149	0	N.D.	
42)	Chrysene	0.00	228	0	N.D.	
44)	Di-n-octylphthalate	0.00	149	0	N.D.	
45)	Benzo(b)fluoranthene	0.00	252	0	N.D.	
46)	Benzo(k)fluoranthene	0.00	252	0	N.D.	
47)	Benzo(a)pyrene	0.00	252	0	N.D.	
48)	Indeno(1,2,3-cd)pyrene	0.00	276	0	N.D.	
49)	Dibenz(a,h)anthracene	0.00	278	0	N.D.	
51)	Benzo(g,h,i)perylene	0.00	276	0	N.D.	

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

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Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
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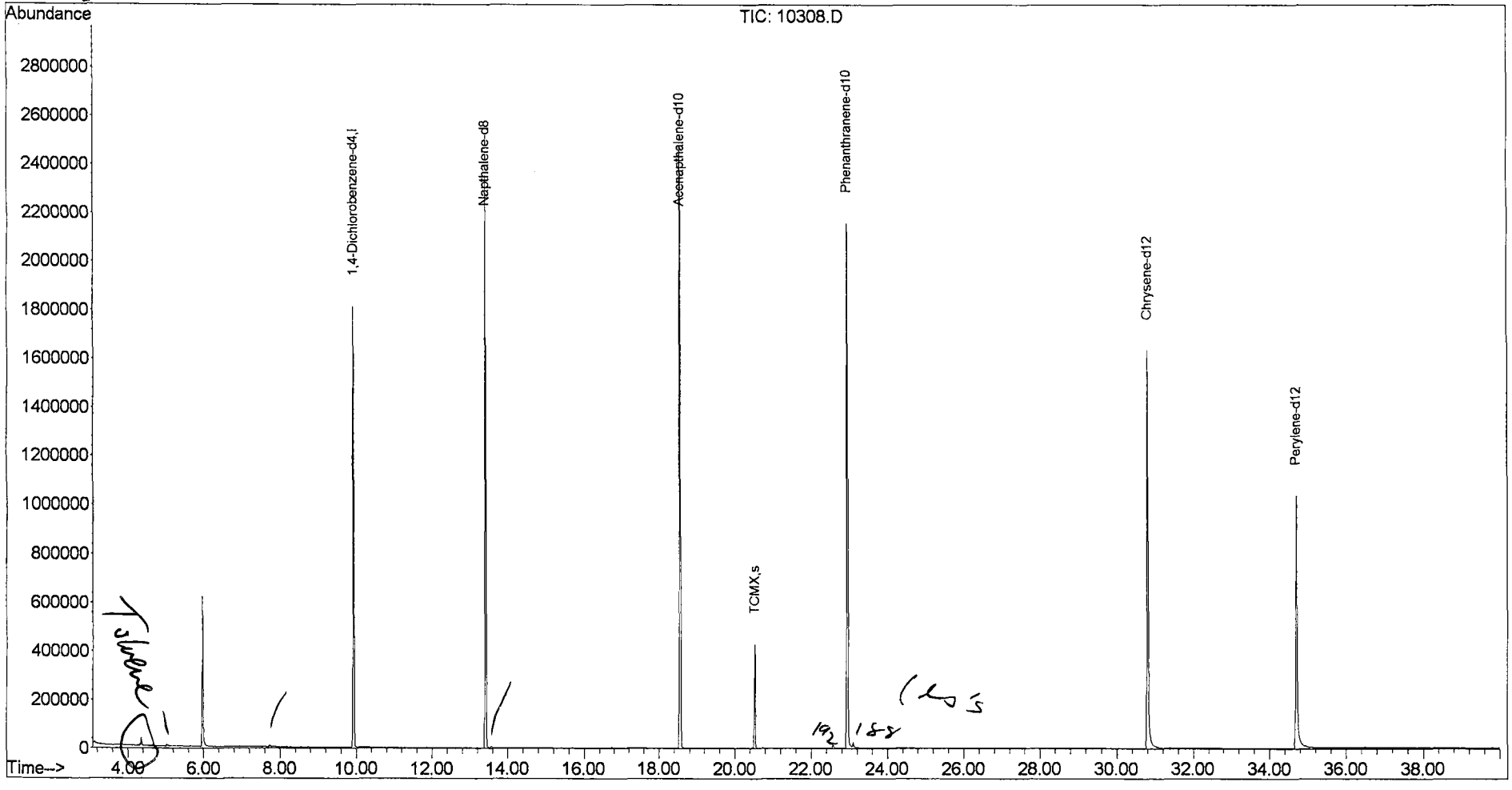
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\MSDCHEM\1\DATA\050802\10308.D Vial: 11
Acq On : 8 May 2002 9:56 pm Operator: Mclean
Sample : 5/1 eh Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan

Signal : TIC

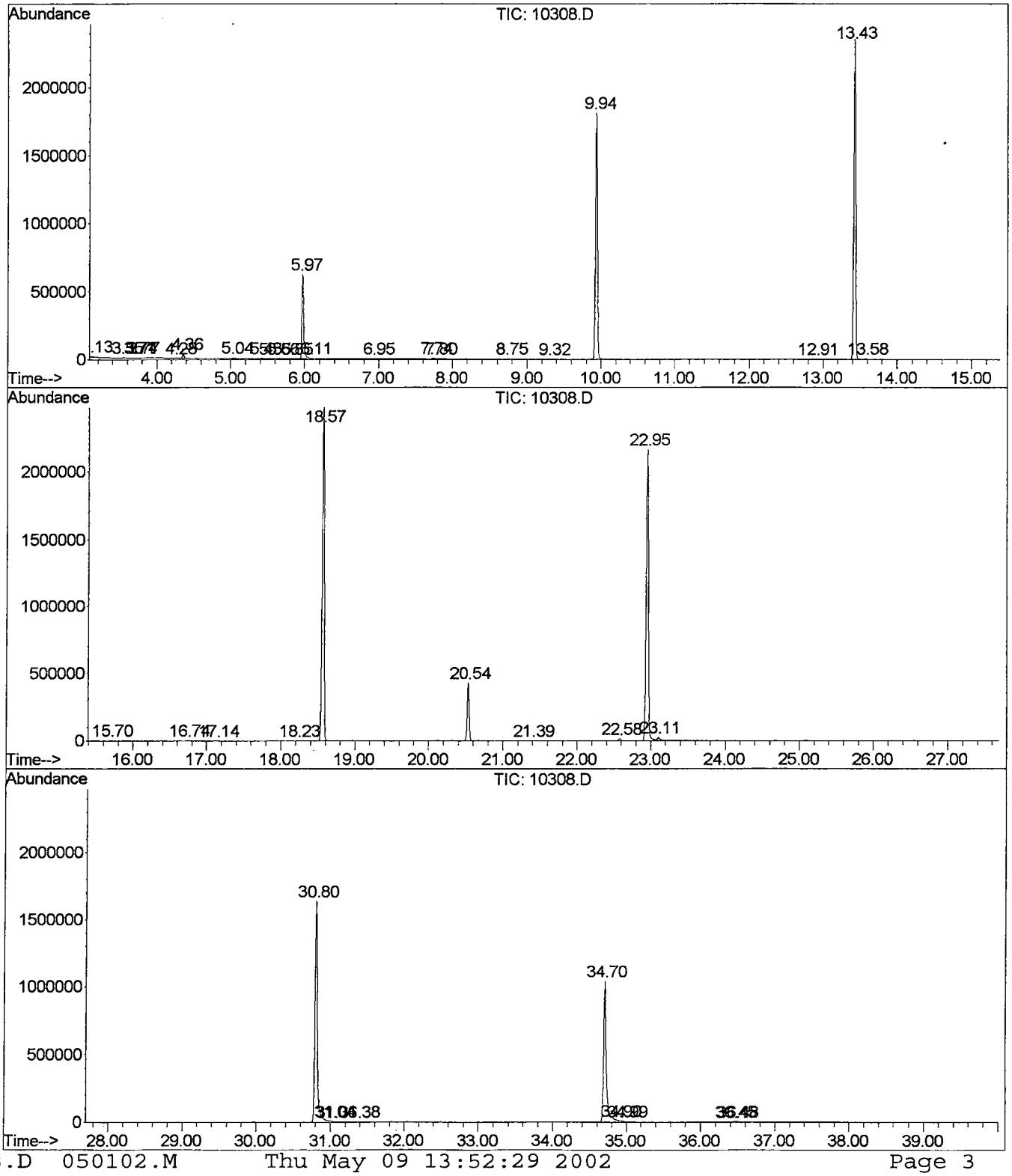
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.132	3	9	25	BV 3	4397	79877	0.17%	0.031%
2	3.555	77	81	90	PV 3	2998	54514	0.12%	0.021%
3	3.714	95	108	110	BV 9	3750	118392	0.25%	0.047%
4	3.737	110	112	115	VV 4	3368	52208	0.11%	0.021%
5	3.767	115	117	119	VV 3	3442	35908	0.08%	0.014%
6	4.278	199	204	208	VV 4	3178	60709	0.13%	0.024%
7	4.360	208	218	231	VV	33010	593322	1.26%	0.233%
8	5.036	328	333	345	PV 6	6883	187411	0.40%	0.074%
9	5.424	393	399	408	VV 6	2902	76596	0.16%	0.030%
10	5.553	417	421	429	VV 7	1692	45351	0.10%	0.018%
11	5.665	437	440	449	VV 7	2727	72179	0.15%	0.028%
12	5.847	465	471	476	VV 5	2396	53799	0.11%	0.021%
13	5.976	485	493	513	VV	616598	10540296	22.32%	4.140%
14	6.105	513	515	517	VV 3	3902	40264	0.09%	0.016%
15	6.951	655	659	668	VV 4	1999	40831	0.09%	0.016%
16	7.739	789	793	803	PV 3	6896	168457	0.36%	0.066%
17	7.803	803	804	809	VV 5	1763	19327	0.04%	0.008%
18	8.749	959	965	976	PV 5	3385	76762	0.16%	0.030%
19	9.319	1055	1062	1066	PV 4	1596	25589	0.05%	0.010%
20	9.936	1158	1167	1184	PV	1773637	32378185	68.55%	12.718%
21	12.909	1665	1673	1682	VV 5	1707	45636	0.10%	0.018%
22	13.432	1742	1762	1781	BV	2356106	43571180	92.25%	17.114%
23	13.585	1781	1788	1797	VV	7395	146995	0.31%	0.058%
24	15.700	2142	2148	2156	VV 5	2354	48285	0.10%	0.019%
25	16.746	2319	2326	2334	PV	3998	64698	0.14%	0.025%
26	17.145	2389	2394	2400	VV 3	1741	26253	0.06%	0.010%
27	18.232	2572	2579	2583	VV 2	1885	29833	0.06%	0.012%
28	18.567	2626	2636	2655	PV	2463836	47231507	100.00%	18.552%
29	20.536	2961	2971	2992	VV	420206	7541123	15.97%	2.962%
30	21.394	3110	3117	3126	BV 4	1872	28593	0.06%	0.011%
31	22.580	3308	3319	3327	PV 2	16149	298986	0.63%	0.117%
32	22.951	3368	3382	3403	BV 2	2141537	45380937	96.08%	17.825%
33	23.109	3403	3409	3437	VV 2	22236	663994	1.41%	0.261%
34	30.806	4704	4719	4758	PV 2	1629032	37387477	79.16%	14.685%
35	31.041	4758	4759	4761	VV 2	5699	63410	0.13%	0.025%
36	31.065	4761	4763	4781	VV 7	5084	225928	0.48%	0.089%
37	31.376	4812	4816	4823	VV 7	2183	46392	0.10%	0.018%

38	34.702	5370	5382	5415	PV	2	1021186	26200703	55.47%	10.291%
39	34.901	5415	5416	5429	VV	9	11631	433920	0.92%	0.170%
40	34.990	5429	5431	5455	VV	7	6566	361002	0.76%	0.142%
41	36.453	5667	5680	5682	PV	9	1488	38482	0.08%	0.015%
42	36.476	5682	5684	5691	VV	8	1506	34697	0.07%	0.014%

Sum of corrected areas: 254590008

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\DATA\050802\10308.D
Operator : Mclean
Acquired : 8 May 2002 9:56 pm using AcqMethod 508SCAN
Instrument : Instrumen
Sample Name: 5/1 eh
Misc Info :
Vial Number: 11
Quant File :050102.RES (Chemstation Integrator)



Library Search Compound Report

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Acq On : 8 May 2002 9:56 pm Operator: Mclean
Sample : 5/1 eh Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

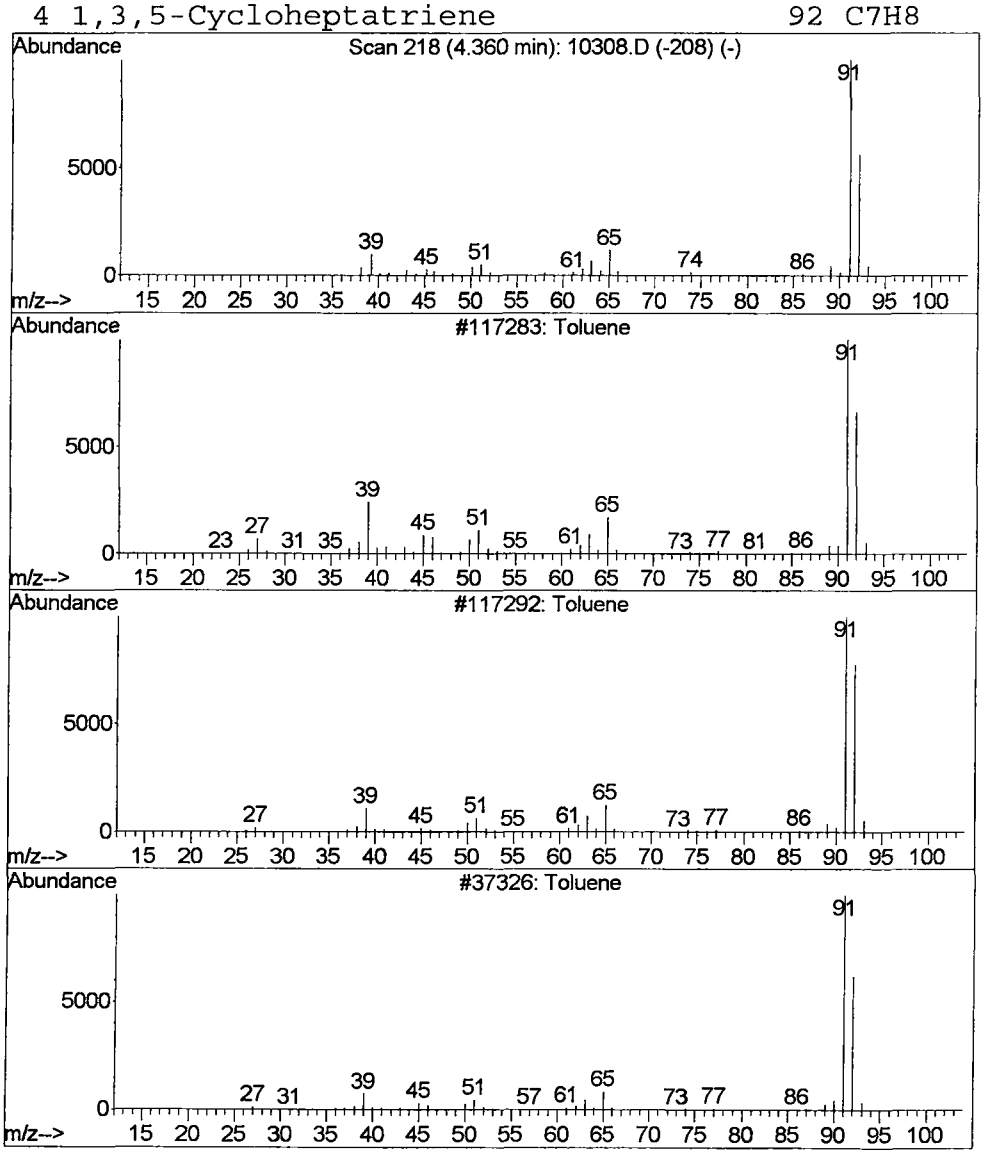
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

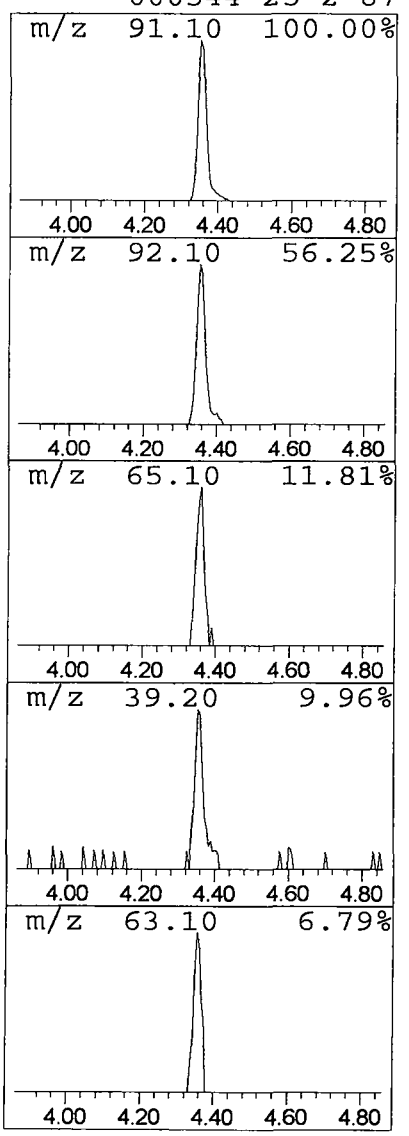
****

Peak Number 1 Toluene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.36	0.73 ug/L	593322	1,4-Dichlorobenzene-d4	9.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Toluene	92	C7H8	000108-88-3	91
2	Toluene	92	C7H8	000108-88-3	91
3	Toluene	92	C7H8	000108-88-3	90
4	1,3,5-Cycloheptatriene	92	C7H8	000544-25-2	87





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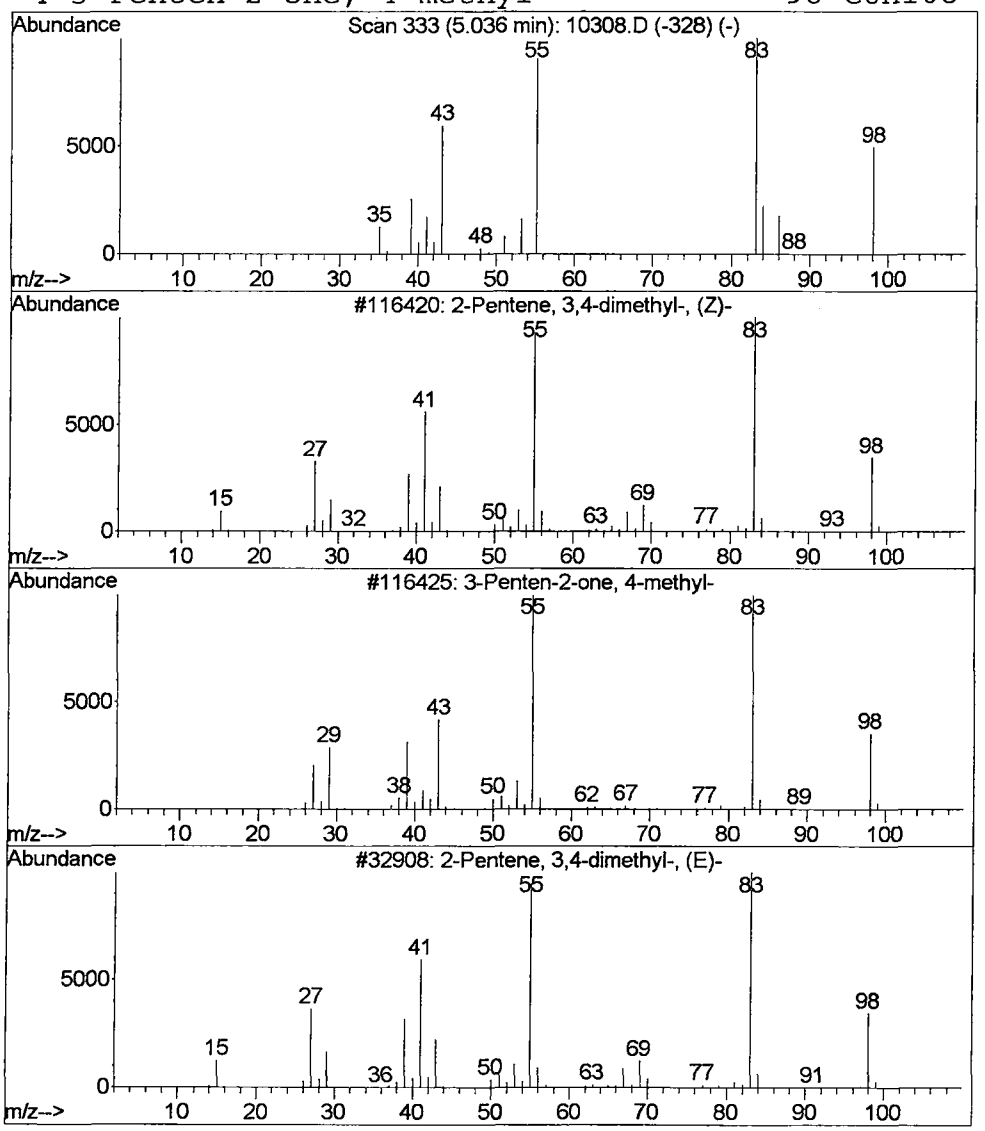
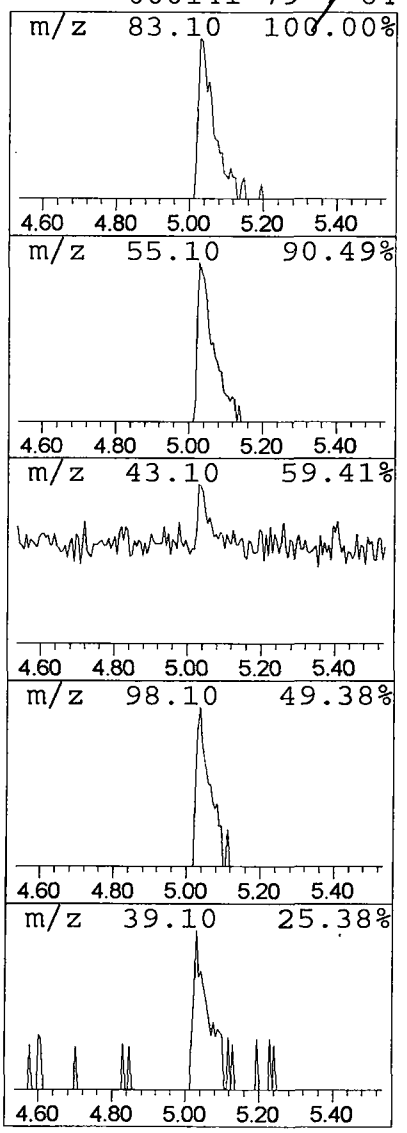
****

Peak Number 2 2-Pentene, 3,4-dimethyl-, (Z)- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.04	0.23 ug/L	187411	1,4-Dichlorobenzene-d4	9.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, 3,4-dimethyl-, (Z)-	98	C7H14	004914-91-4	64
2	3-Penten-2-one, 4-methyl-	98	C6H10O	000141-79-7	64
3	2-Pentene, 3,4-dimethyl-, (E)-	98	C7H14	004914-92-5	64
4	3-Penten-2-one, 4-methyl-	98	C6H10O	000141-79-7	64





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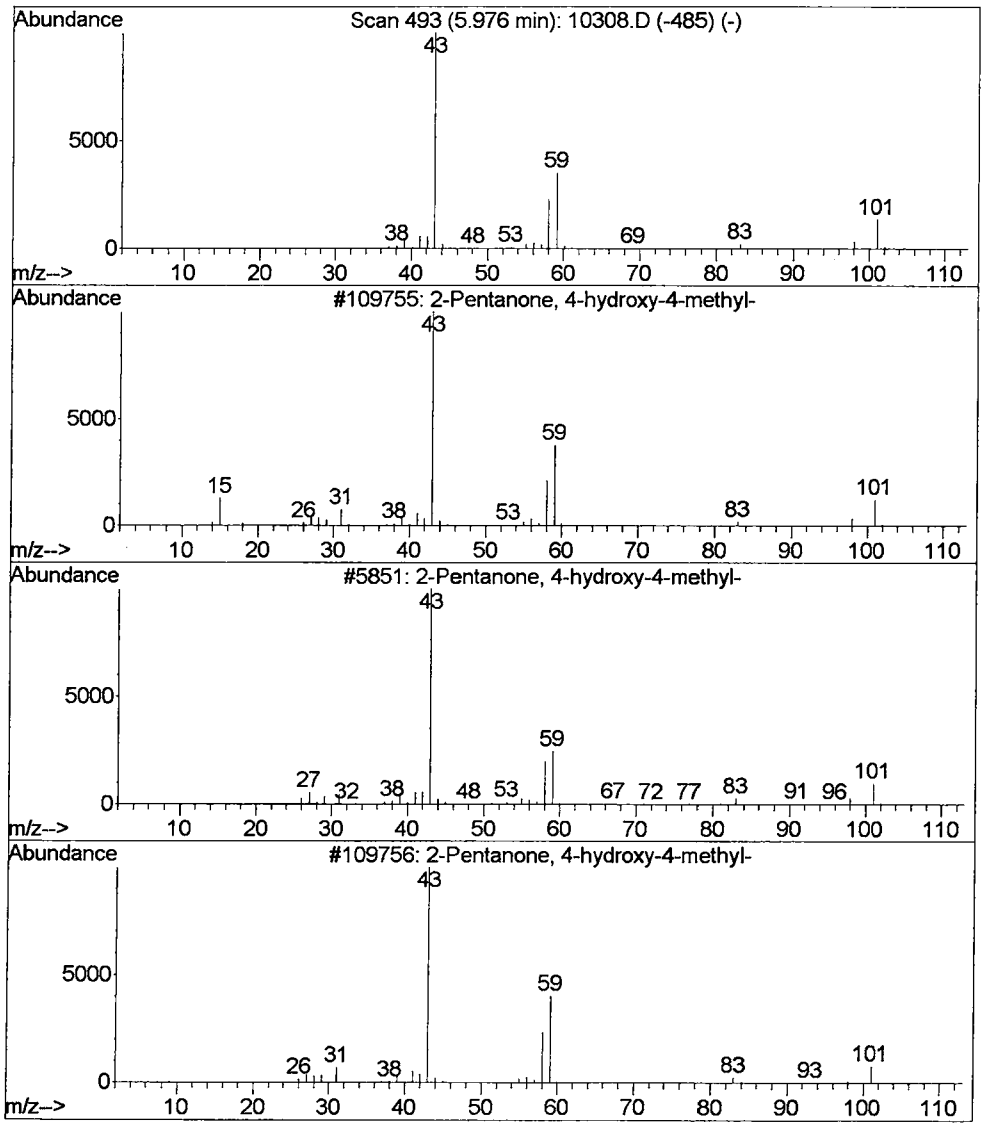
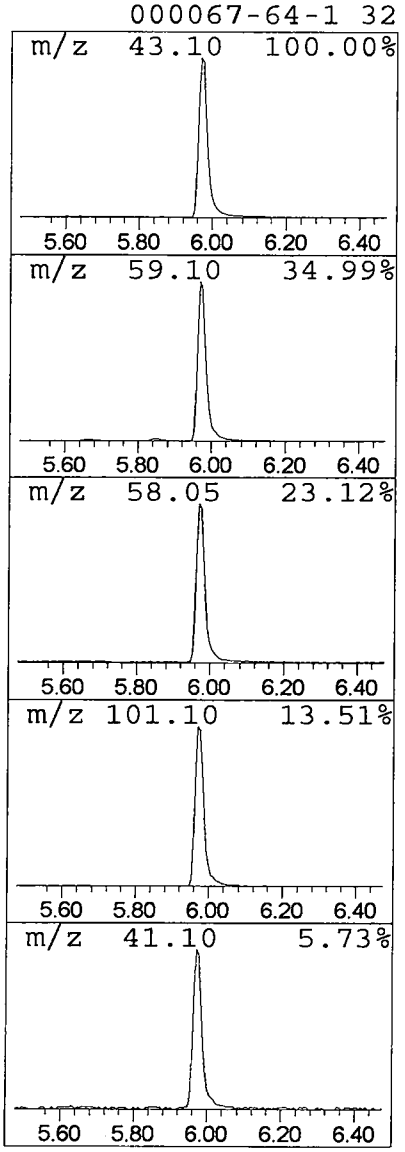
Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.97	13.02 ug/L	10540300	1,4-Dichlorobenzene-d4	9.94

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	83
3	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	72
4	Acetone	58	C3H6O	000067-64-1	32





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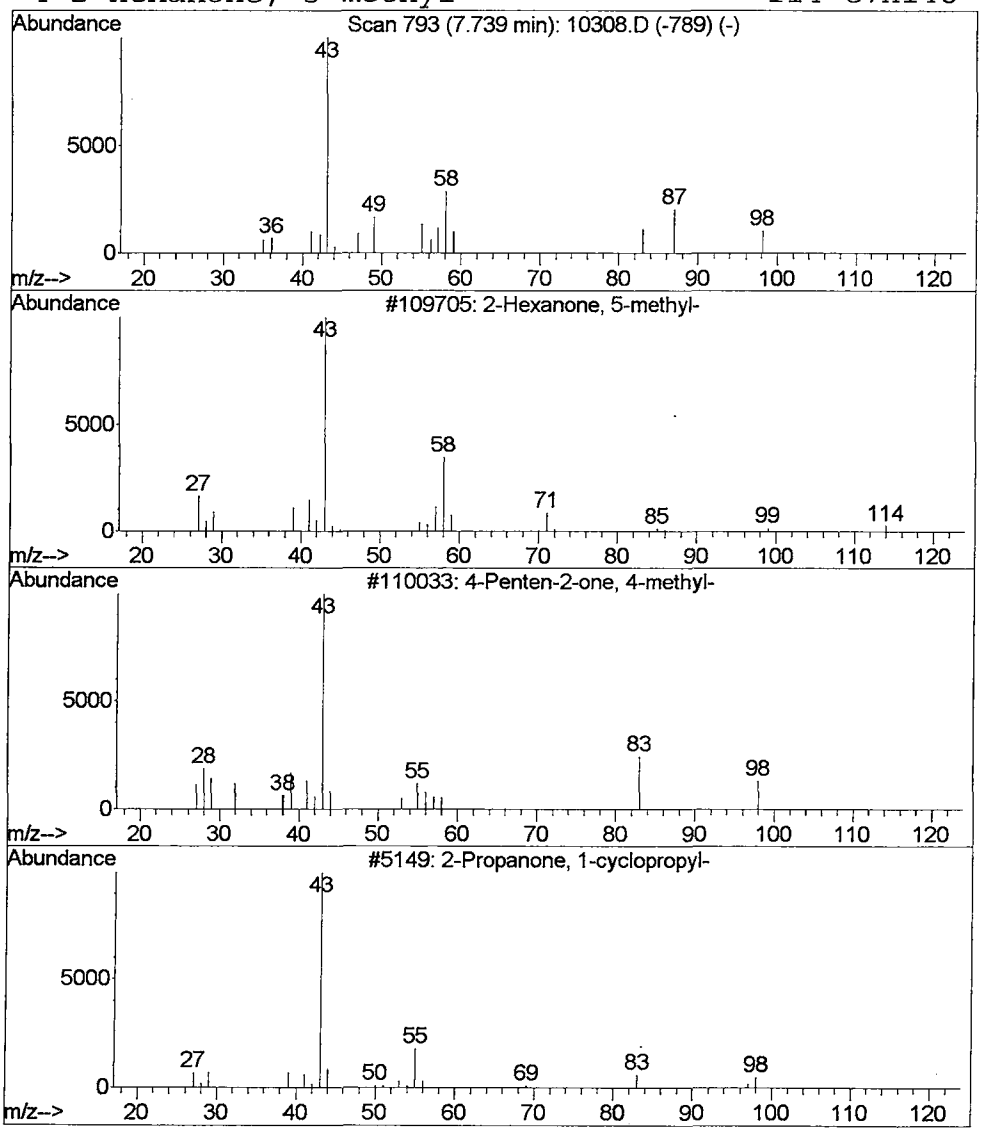
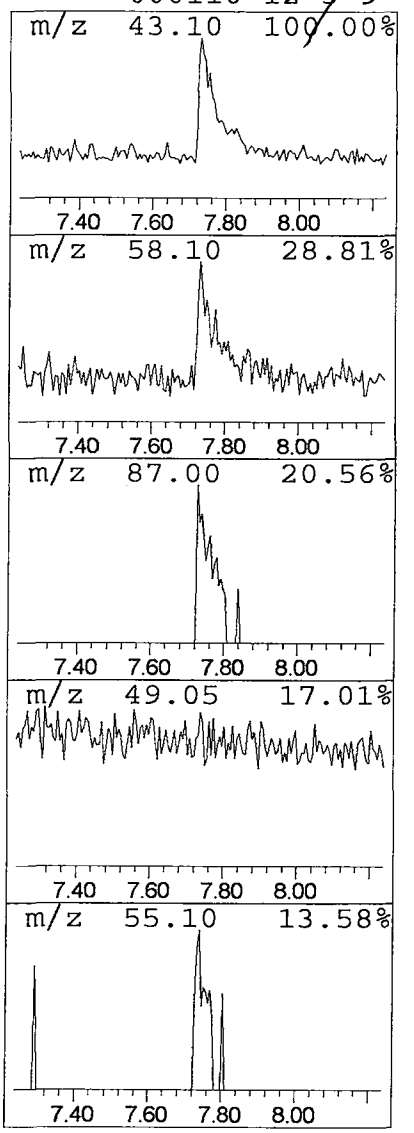
****

Peak Number 4 2-Hexanone, 5-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.74	0.21 ug/L	168457	1,4-Dichlorobenzene-d4	9.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexanone, 5-methyl-	114	C7H14O	000110-12-3	17
2	4-Penten-2-one, 4-methyl-	98	C6H10O	003744-02-3	9
3	2-Propanone, 1-cyclopropyl-	98	C6H10O	004160-75-2	9
4	2-Hexanone, 5-methyl-	114	C7H14O	000110-12-3	9





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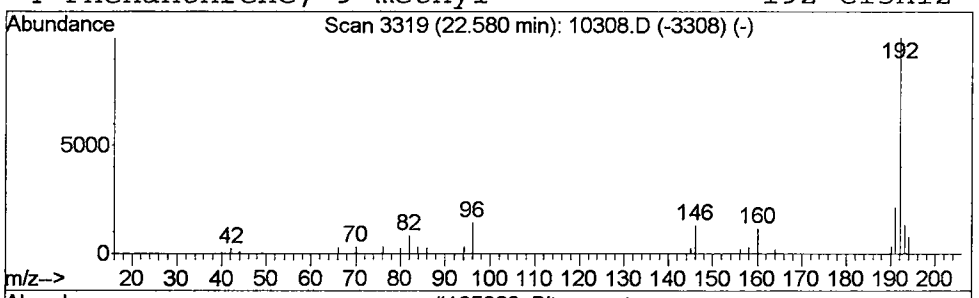
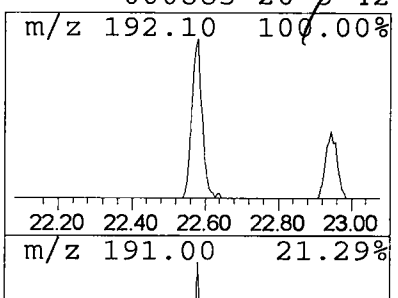
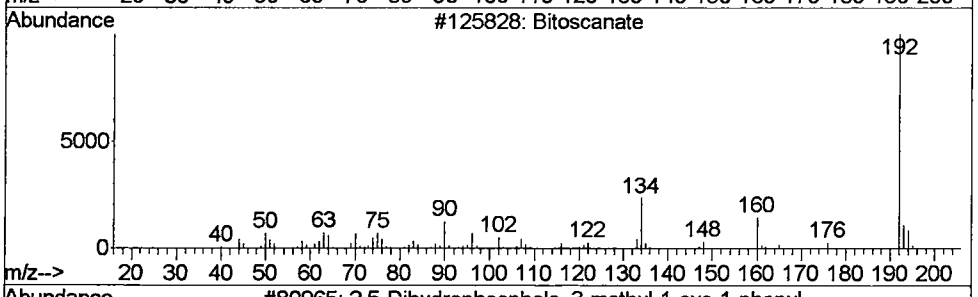
Peak Number 5 Bitoscanate Concentration Rank 6

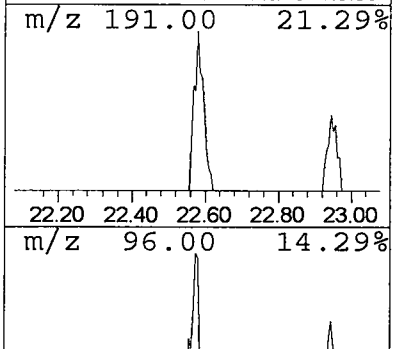
R.T.	EstConc	Area	Relative to ISTD	R.T.
22.58	0.26 ug/L	298986	Phenanthranene-d10	22.95

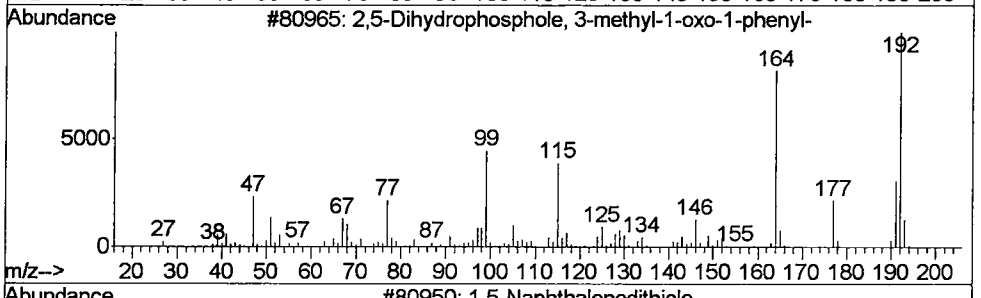
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bitoscanate	192	C8H4N2S2	004044-65-9	53
2	2,5-Dihydrophosphole, 3-methyl-1...	192	C11H13OP	1000196-97-5	45
3	1,5-Naphthalenedithiole	192	C10H8S2	1000223-69-5	45
4	Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	42

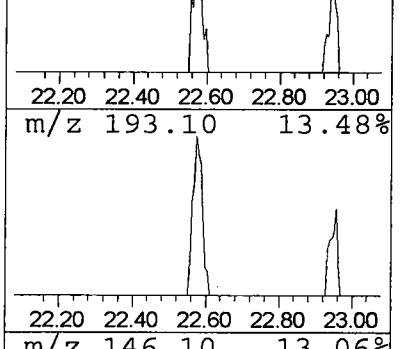


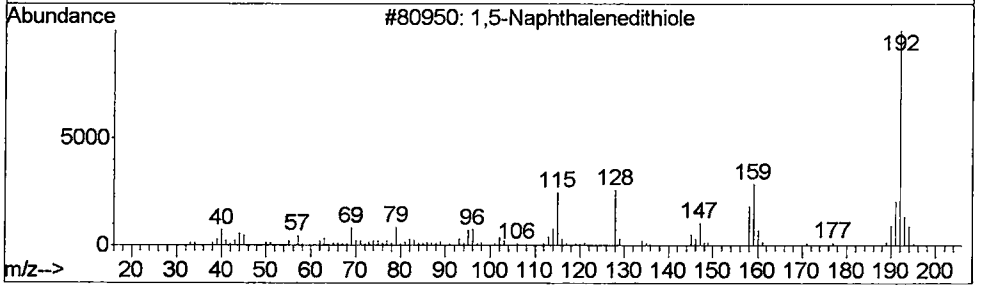












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Misc :
MS Integration Params: LSCINT.e

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

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Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

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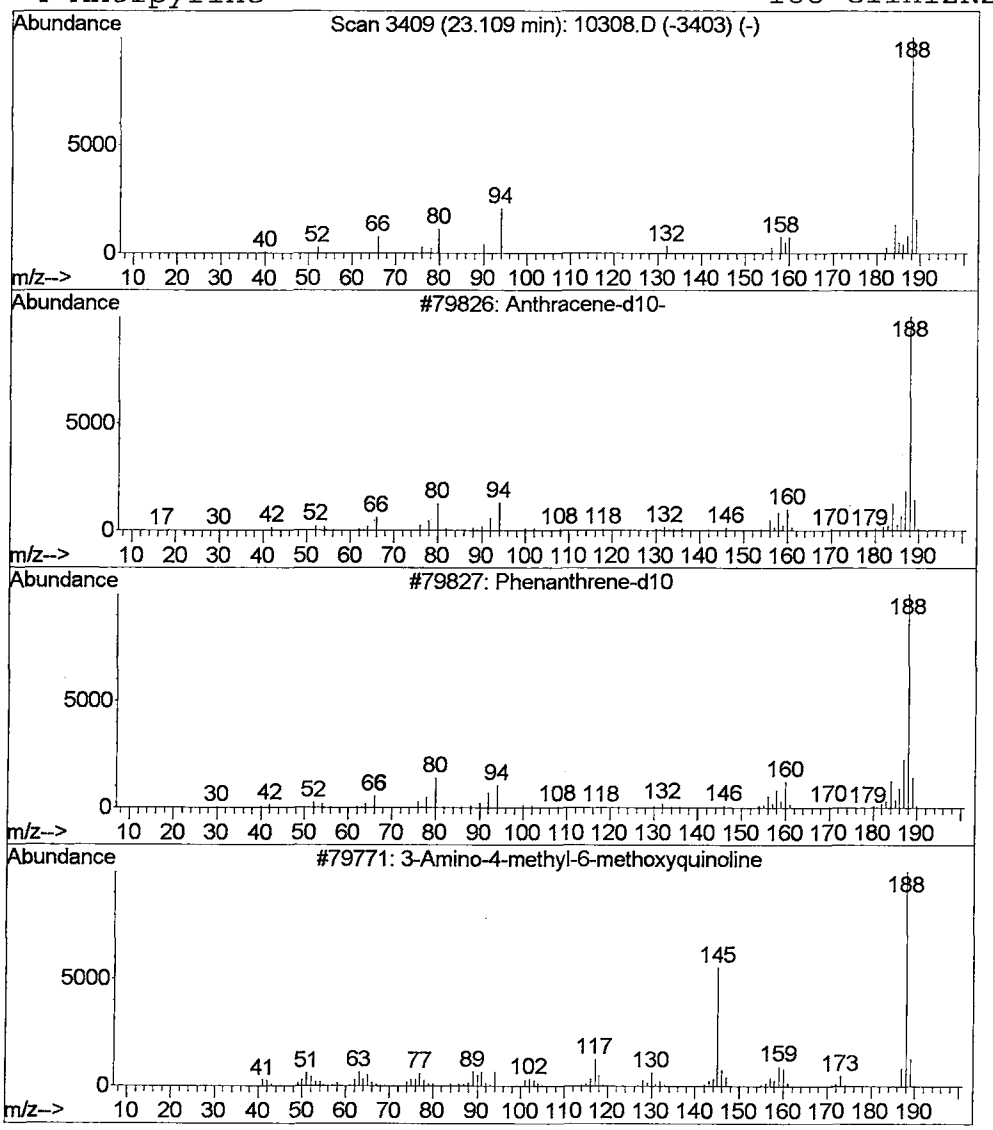
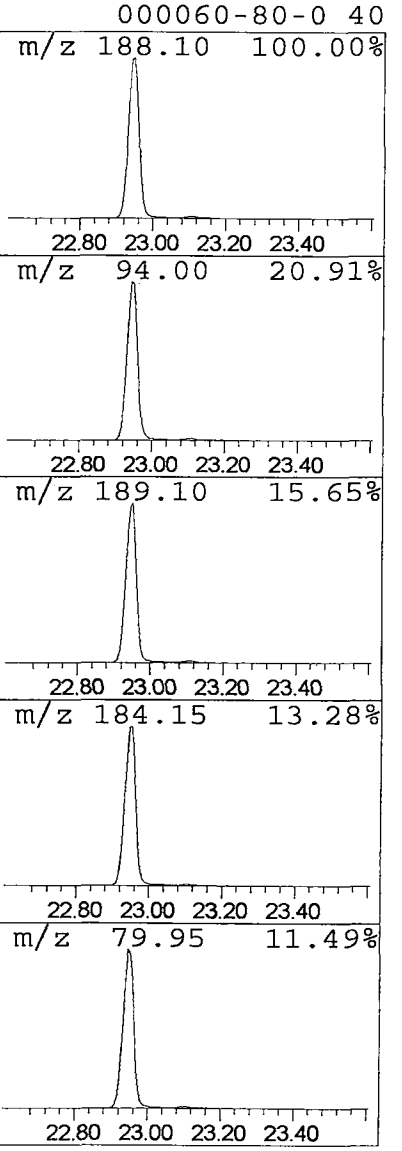
Peak Number 6 Anthracene-d10- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.11	0.59 ug/L	663994	Phenanthranene-d10	22.95

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	64
3	3-Amino-4-methyl-6-methoxyquinoline	188	C11H12N2O	1000213-71-3	50
4	Antipyrine	188	C11H12N2O	000060-80-0	40





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\050802\10308.D Vial: 11
Acq On : 8 May 2002 9:56 pm Operator: Mclean
Sample : 5/1 eh Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

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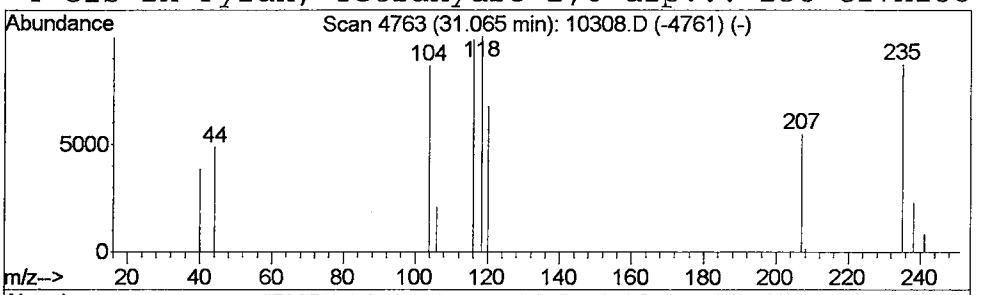
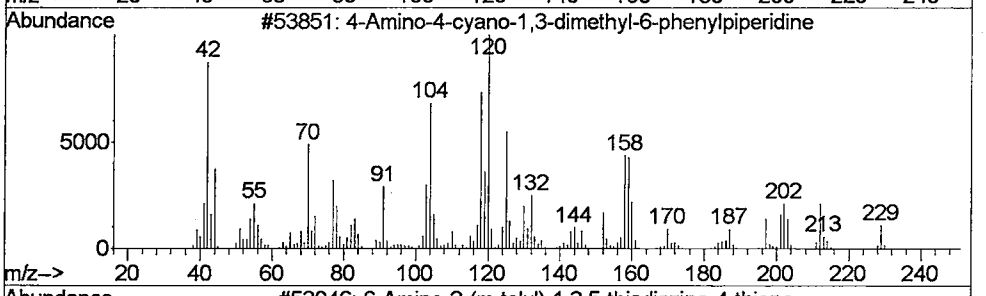
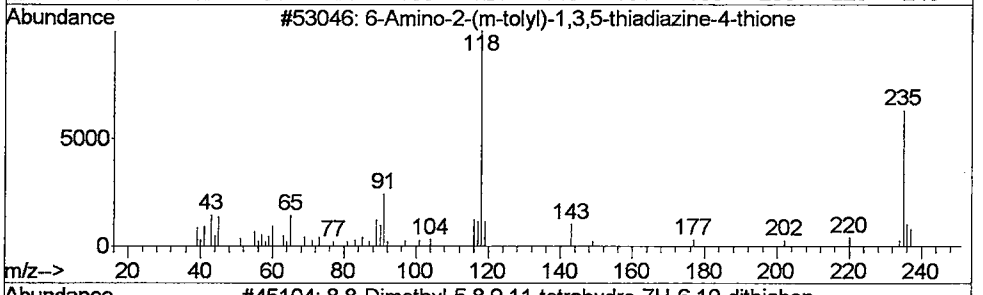
Peak Number 7 4-Amino-4-cyano-1,3-dimethy... Concentration Rank 7

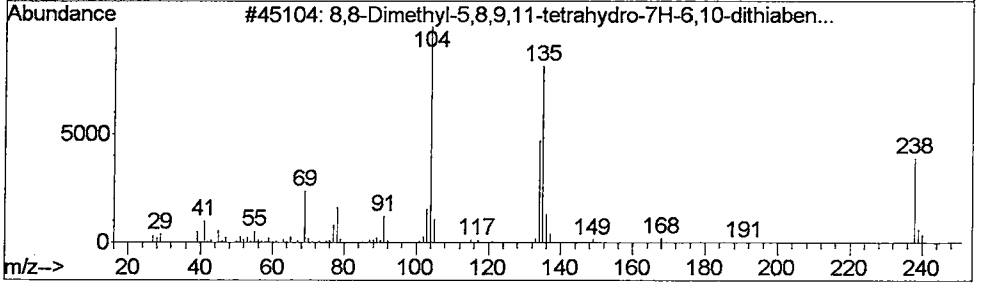
R.T.	EstConc	Area	Relative to ISTD	R.T.
31.06	0.24 ug/L	225928	Chrysene-d12	30.80

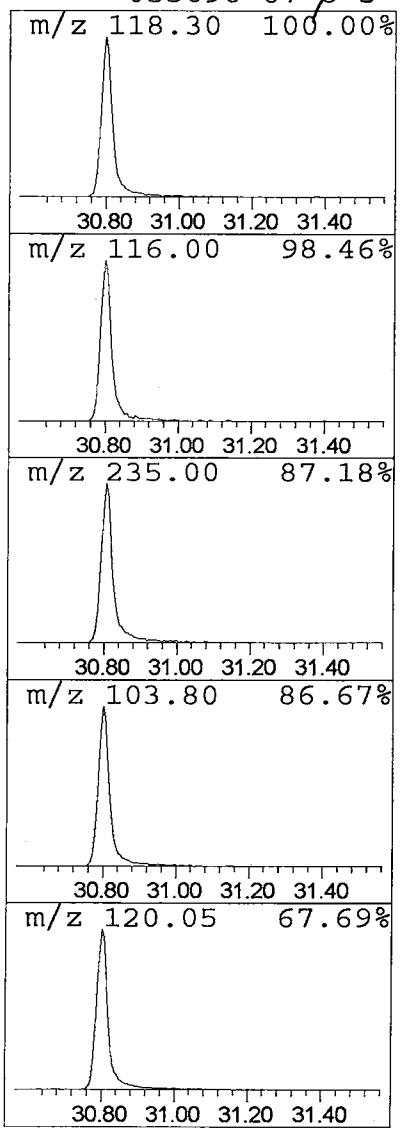
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Amino-4-cyano-1,3-dimethyl-6-p...	229	C14H19N3	1000216-11-2	10
2	6-Amino-2-(m-tolyl)-1,3,5-thiadi...	235	C10H9N3S2	094014-50-3	5
3	8,8-Dimethyl-5,8,9,11-tetrahydro...	238	C13H18S2	1000210-31-7	5
4	cis-2H-Pyran, Tetrahydro-2,6-dip...	238	C17H18O	055696-67-8	5











Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\050802\10308.D
Acq On : 8 May 2002 9:56 pm
Sample : 5/1 eh
Misc :
MS Integration Params: LSCINT.e

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

Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

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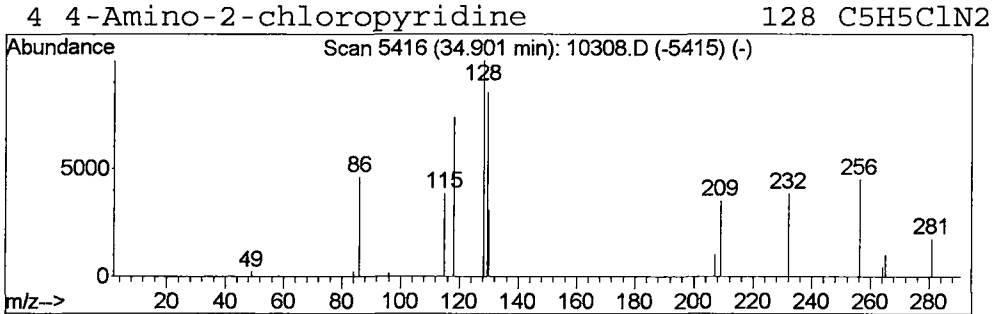
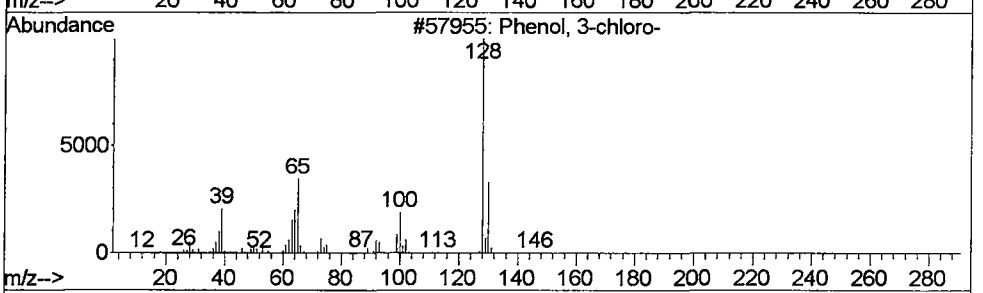
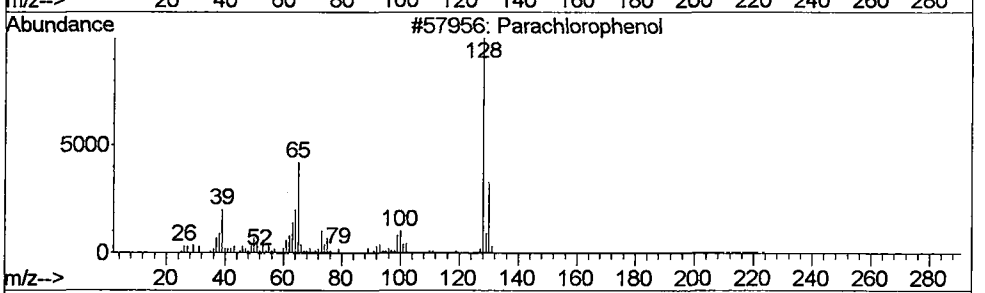
Peak Number 8 Phenol, 3-chloro- Concentration Rank 3

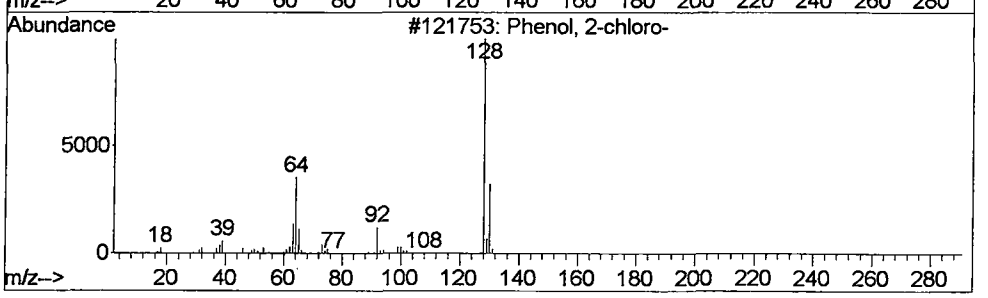
R.T.	EstConc	Area	Relative to ISTD	R.T.
34.90	0.66 ug/L	433920	Perylene-d12	34.70

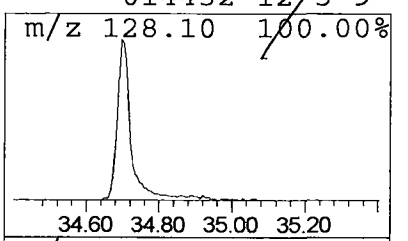
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 3-chloro-	128	C6H5ClO	000108-43-0	9
2	Parachlorophenol	128	C6H5ClO	000106-48-9	9
3	Phenol, 2-chloro-	128	C6H5ClO	000095-57-8	9
4	4-Amino-2-chloropyridine	128	C5H5ClN2	014432-12-3	9

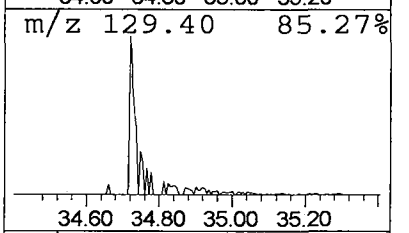


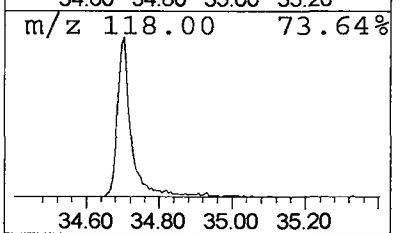


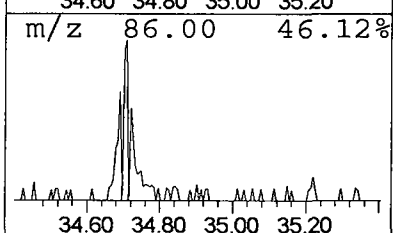


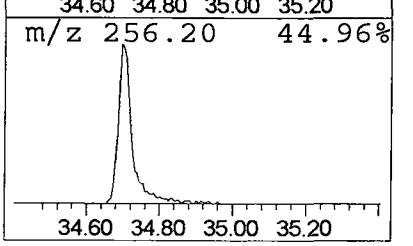












Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\050802\10308.D Vial: 11
Acq On : 8 May 2002 9:56 pm Operator: Mclean
Sample : 5/1 eh Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

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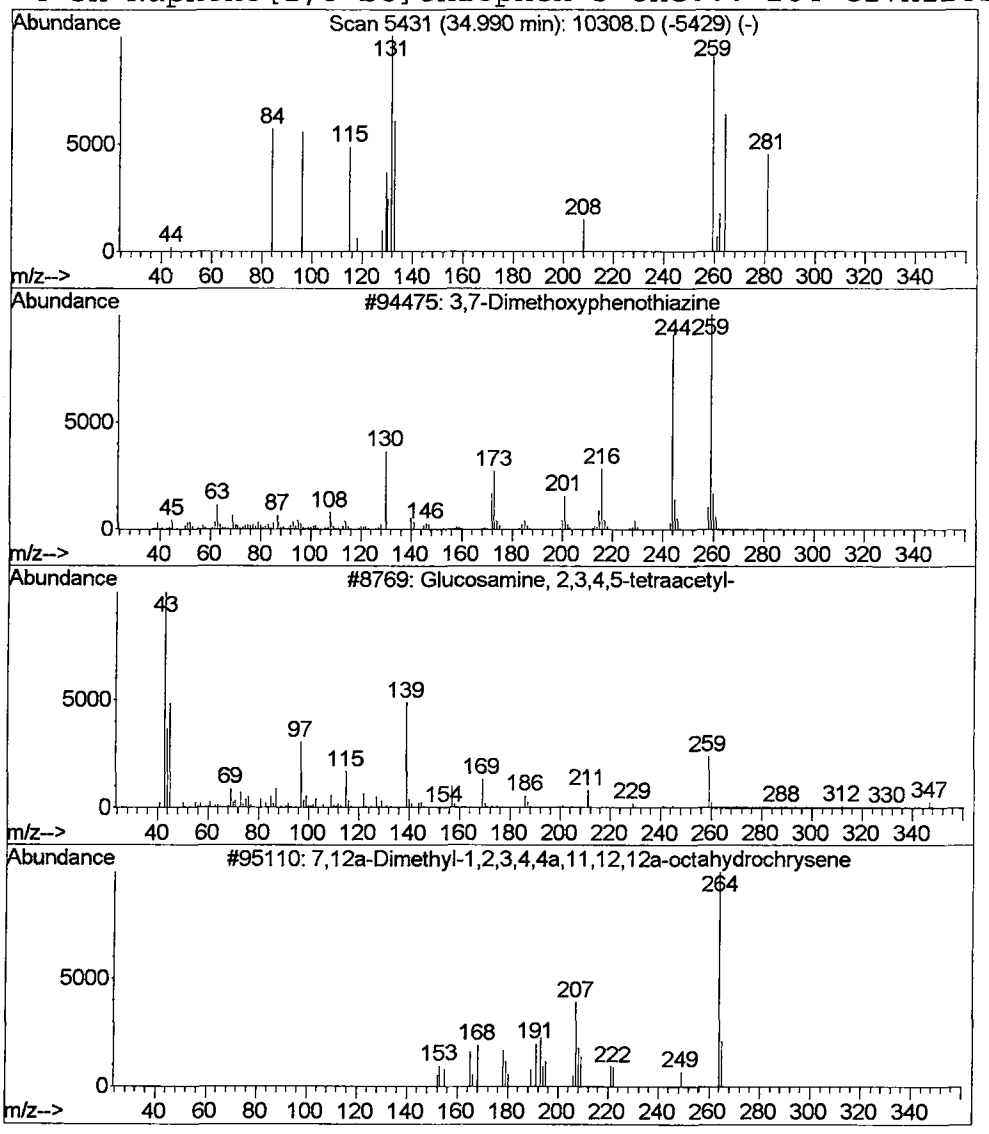
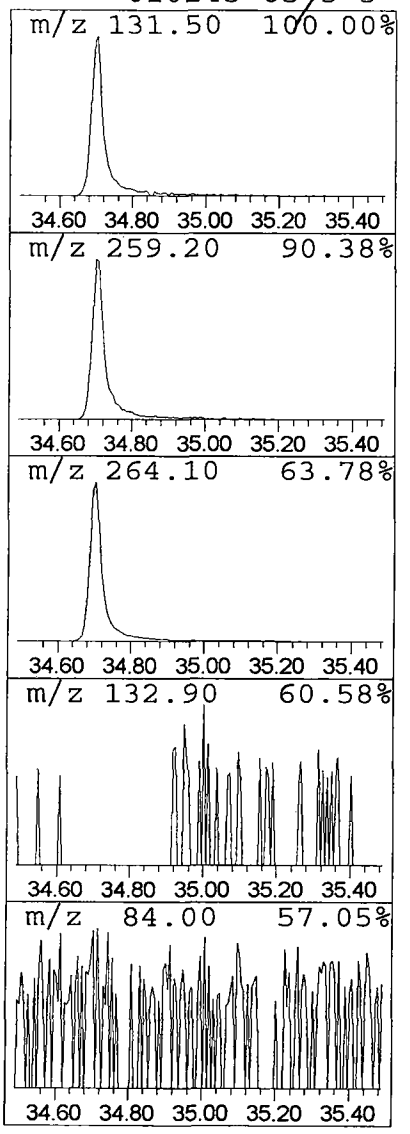
Peak Number 9 3,7-Dimethoxyphenothiazine Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
34.99	0.55 ug/L	361002	Perylene-d12	34.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,7-Dimethoxyphenothiazine	259	C14H13NO2S	1000223-22-3	9
2	Glucosamine, 2,3,4,5-tetraacetyl-	347	C14H21NO9	1000127-35-9	5
3	7,12a-Dimethyl-1,2,3,4,4a,11,12,...	264	C20H24	075758-27-9	5
4	5H-Naphtho[1,8-bc]thiophen-5-one...	264	C17H12OS	010245-65-5	5





Tentatively Identified Compound (LSC) summary

Operator ID: Mclean Date Acquired: 8 May 2002 9:56 pm
Data File: C:\MSDCHEM\1\DATA\050802\10308.D
Name: 5/1 eh
Misc:
Method: C:\MSDCHEM\1\METHODS\050102.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
Toluene	4.36	0.7	ug/L	593322	1	9.94	32378200	40.0
2-Pentene, 3,4-di...	5.04	0.2	ug/L	187411	1	9.94	32378200	40.0
2-Pentanone, 4-hy...	5.97	13.0	ug/L	10540300	1	9.94	32378200	40.0
2-Hexanone, 5-met...	7.74	0.2	ug/L	168457	1	9.94	32378200	40.0
Bitoscanate	22.58	0.3	ug/L	298986	4	22.95	45380900	40.0
Anthracene-d10-	23.11	0.6	ug/L	663994	4	22.95	45380900	40.0
4-Amino-4-cyano-1...	31.06	0.2	ug/L	225928	5	30.80	37387500	40.0
Phenol, 3-chloro-	34.90	0.7	ug/L	433920	6	34.70	26200700	40.0
3,7-Dimethoxyphen...	34.99	0.6	ug/L	361002	6	34.70	26200700	40.0