User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 05/14/2002 Time: 14:52:02

Sample: AE09574
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 5/14/02 14:51 Ended: 5/14/02 14:51 Analyst: DLV
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr_2,4-DDD		84		10.0

Comments for Sample AE09574 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 05-14-2002 Time: 14:52:10

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds.
The recoveries for 3 of the 43 compounds in the LCS Standard were low.

Data File : C:\MSDCHEM\1\DATA\050902\9574.D Vial: 10
Acq On : 9 May 2002 10:37 pm Operator: Mclean
Sample : 5/8 kb Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: May 13 11:49:22 2002 Quant Results File: 050102.RES

Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Last Update : Mon May 13 11:40:29 2002
Response via : Initial Calibration
DataAcq Meth : 508SCAN

re-extracted

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.94	152	7115771	40.00	ug/L	0.00
10) Napthalene-d8	13.43	136	28138859	40.00	ug/L	0.00
17) Acenapthalene-d10	18.57	164	15347913	40.00	ug/L	0.00
29) Phenanthranene-d10	22.96	188	22241068	40.00	ug/L	0.00
37) Chrysene-d12	30.81	240	15930139	40.00	ug/L	0.00
43) Perylene-d12	34.71	264	9600337	40.00	ug/L	0.00
System Monitoring Compounds						
27) TCMX	20.55	209	3147103	33.77	ug/L	0.00
Spiked Amount 40.000			Recovery = 84.43%			
Target Compounds						Qvalue
2) n-nitros-dimethyl amine	0.00	74	0	N.D.	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	20.55	204	18682	N.D.		
26) Fluorene	0.00	166	0	N.D.		
28) Azobenzene	20.55	77	53258	N.D.		
30) Nnitrosodiphenylamine	20.55	169	60568	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.		
34) Anthracene	0.00	178	0	N.D.		
35) Di-n-butylphthalate	25.09	149	19357	N.D.		

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

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Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Last Update : Mon May 13 11:40:29 2002
Response via : Initial Calibration
DataAcq Meth : 508SCAN

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
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	30.81	228	39962	N.D.	
41)	Bis(2-ethylhexyl)phthalate	31.37	149	29572	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.	
50)	Benzo(g,h,i)perylene	0.00	276	0	N.D.	

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

Quantitation Report (QT Reviewed)

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Acq On : 9 May 2002 10:37 pm Operator: Mclean
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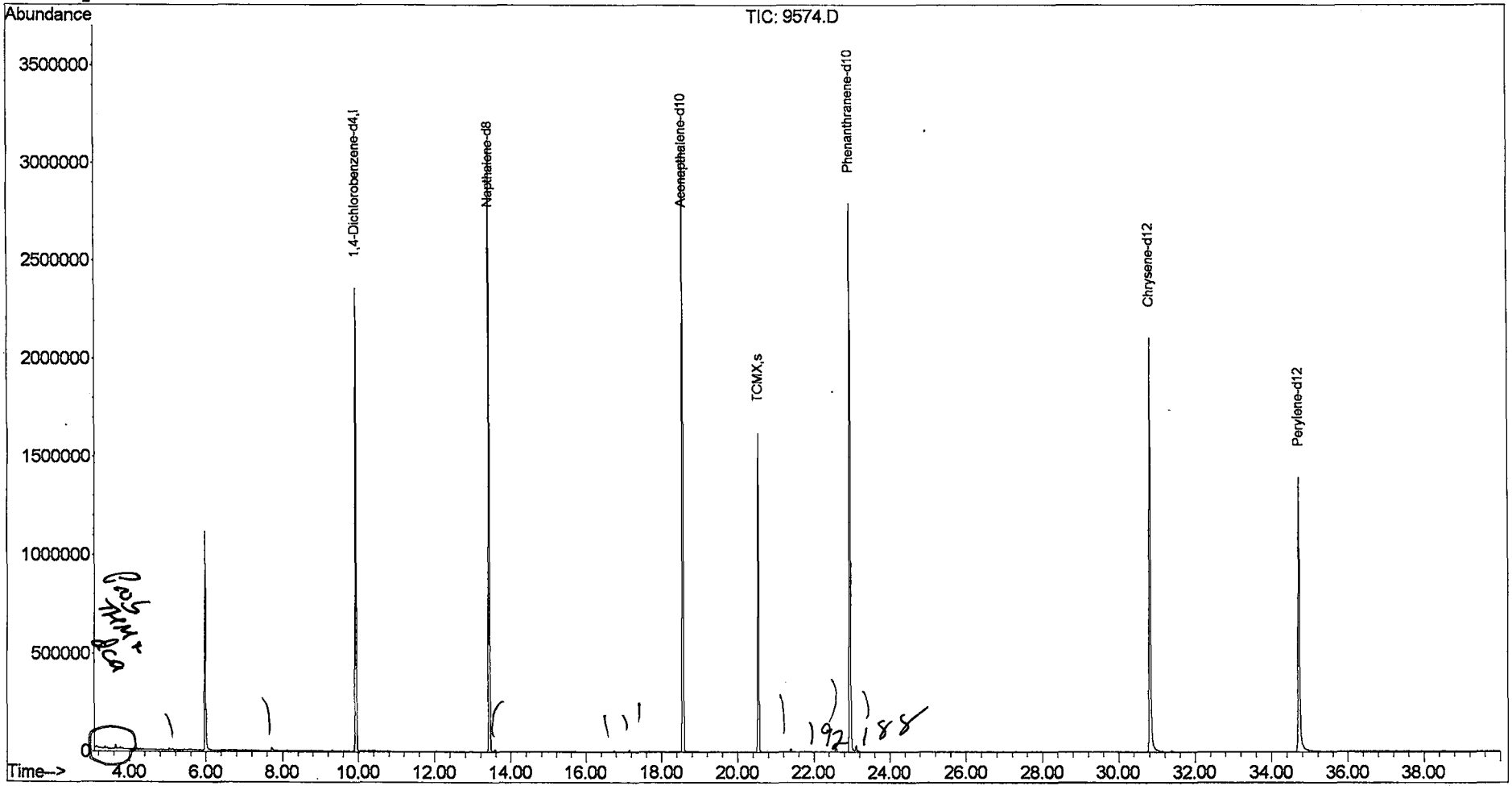
Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Last Update : Mon May 13 11:40:29 2002
Response via : Initial Calibration



Data File : C:\MSDCHEM\1\DATA\050902\9574.D
Acq On : 9 May 2002 10:37 pm
Sample : 5/8 kb
Misc :
MS Integration Params: LSCINT.e

Vial: 10
Operator: Mclean
Inst : Instrumen
Multiplr: 1.00

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

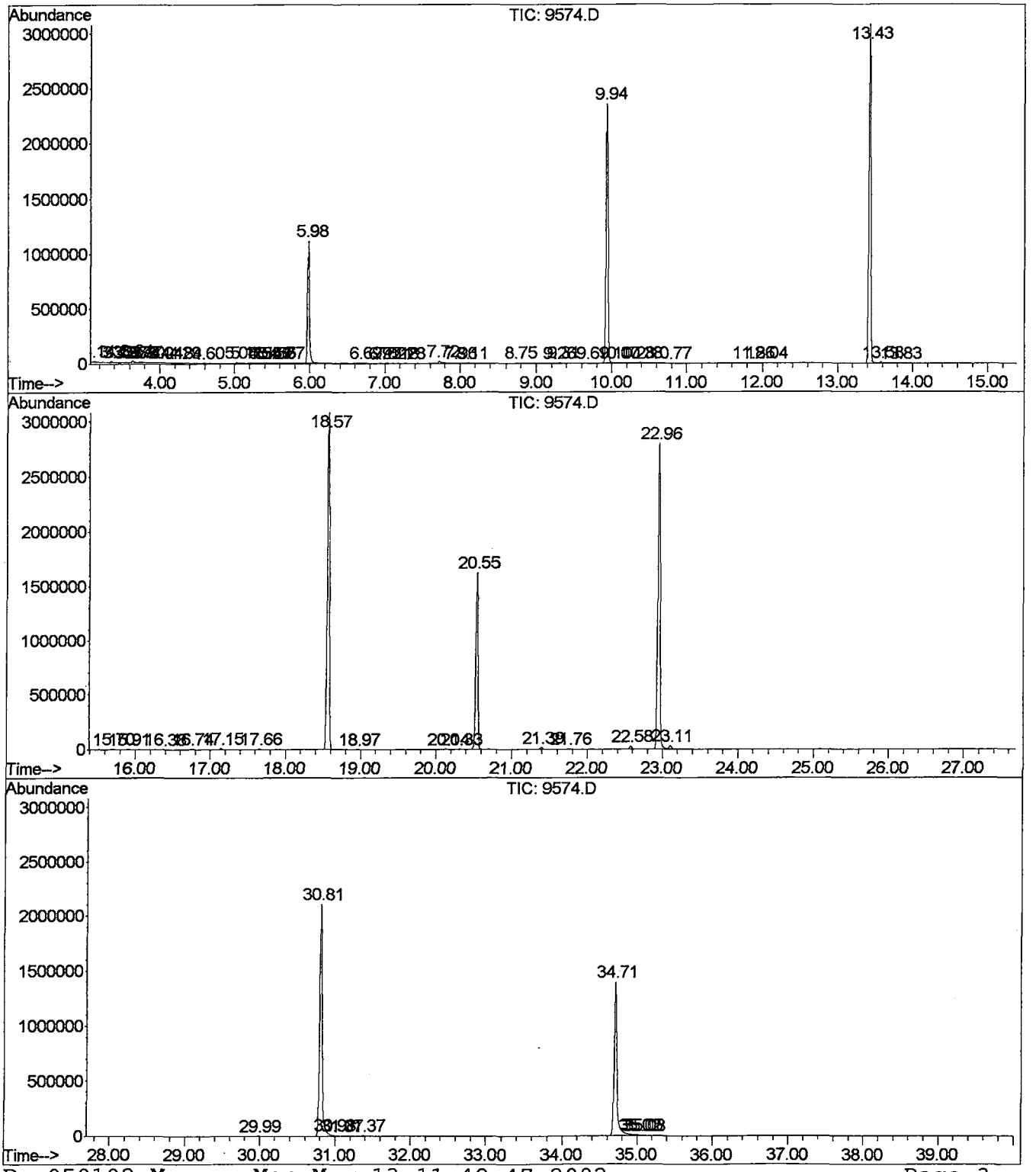
Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.138	3	10	21	BV 3	6286	124005	0.20%	0.034%
2	3.361	43	48	53	PV 3	11316	196839	0.31%	0.053%
3	3.414	53	57	67	VV 8	5237	97517	0.16%	0.026%
4	3.567	72	83	89	VV 8	3451	78645	0.13%	0.021%
5	3.643	89	96	101	PV	18606	310436	0.49%	0.084%
6	3.679	101	102	107	VV 5	3968	70139	0.11%	0.019%
7	3.726	107	110	112	VV 3	5069	72991	0.12%	0.020%
8	3.767	112	117	121	VV	9009	206507	0.33%	0.056%
9	3.802	121	123	126	VV 3	5104	65530	0.10%	0.018%
10	4.043	155	164	169	VV 9	2821	89377	0.14%	0.024%
11	4.178	181	187	200	VV 8	2506	86339	0.14%	0.023%
12	4.284	200	205	214	VV 4	3692	80783	0.13%	0.022%
13	4.595	256	258	262	VV 4	2309	29334	0.05%	0.008%
14	5.036	326	333	342	PV 6	7559	182585	0.29%	0.050%
15	5.112	342	346	362	VV 6	5528	135250	0.22%	0.037%
16	5.359	380	388	395	VV 8	2395	63718	0.10%	0.017%
17	5.430	395	400	406	VV 2	4311	86301	0.14%	0.023%
18	5.482	406	409	413	VV 4	2064	31585	0.05%	0.009%
19	5.524	413	416	419	VV 4	2741	37738	0.06%	0.010%
20	5.547	419	420	425	VV 4	2820	51048	0.08%	0.014%
21	5.670	436	441	447	VV 5	3304	68840	0.11%	0.019%
22	5.982	485	494	530	PV	1095257	19178864	30.58%	5.204%
23	6.693	605	615	627	BV	3138	96157	0.15%	0.026%
24	6.945	655	658	666	VV 7	1792	46150	0.07%	0.013%
25	7.016	666	670	673	VV 3	2015	28846	0.05%	0.008%
26	7.110	682	686	692	PV 5	1918	40336	0.06%	0.011%
27	7.181	692	698	705	VV 7	2187	47765	0.08%	0.013%
28	7.275	710	714	723	VV 6	1809	44072	0.07%	0.012%
29	7.727	781	791	804	PV 2	17194	451650	0.72%	0.123%
30	7.962	824	831	836	PV 4	1813	31915	0.05%	0.009%
31	8.115	844	857	865	BV 6	2575	40820	0.07%	0.011%
32	8.749	958	965	974	VV 4	5238	110080	0.18%	0.030%
33	9.260	1043	1052	1055	VV 7	2232	42700	0.07%	0.012%
34	9.307	1055	1060	1076	VV 5	4769	126732	0.20%	0.034%
35	9.695	1123	1126	1146	VV 9	2706	82680	0.13%	0.022%
36	9.936	1157	1167	1187	VV	2312568	43437857	69.26%	11.787%
37	10.071	1187	1190	1195	VV 7	2927	55621	0.09%	0.015%

39	10.383	1235	1243	1249	VV	9	4395	119780	0.19%	0.032%
40	10.776	1305	1310	1326	VV	8	1920	52289	0.08%	0.014%
41	11.863	1491	1495	1503	VV	4	2474	41380	0.07%	0.011%
42	12.034	1517	1524	1531	VV	4	3957	89840	0.14%	0.024%
43	13.432	1745	1762	1782	PV		3056793	57842438	92.23%	15.695%
44	13.585	1782	1788	1798	VV	2	10563	220789	0.35%	0.060%
45	13.826	1819	1829	1837	VV	4	1947	44925	0.07%	0.012%
46	15.694	2137	2147	2160	VV	4	3051	84830	0.14%	0.023%
47	15.906	2178	2183	2190	VV	4	1954	43493	0.07%	0.012%
48	16.376	2259	2263	2273	VV	5	2115	39050	0.06%	0.011%
49	16.746	2319	2326	2340	VV	2	6135	157316	0.25%	0.043%
50	17.151	2383	2395	2401	VV	3	11590	197185	0.31%	0.054%
51	17.663	2472	2482	2490	VV	3	5220	82879	0.13%	0.022%
52	18.573	2623	2637	2660	PV		3089289	62715071	100.00%	17.017%
53	18.967	2691	2704	2710	BV	4	2292	45980	0.07%	0.012%
54	20.142	2896	2904	2910	VV	5	2307	51475	0.08%	0.014%
55	20.324	2931	2935	2943	VV	6	2275	44203	0.07%	0.012%
56	20.547	2961	2973	2985	VV		1637470	31537603	50.29%	8.558%
57	21.394	3109	3117	3126	VV	3	16133	286375	0.46%	0.078%
58	21.758	3170	3179	3185	VV	4	4508	93851	0.15%	0.025%
59	22.580	3311	3319	3330	VV	2	27550	510759	0.81%	0.139%
60	22.956	3369	3383	3402	PV	2	2788817	60977226	97.23%	16.546%
61	23.109	3402	3409	3424	VV		31657	724973	1.16%	0.197%
62	29.984	4573	4579	4584	PV	3	1866	38600	0.06%	0.010%
63	30.812	4706	4720	4747	PV	2	2081512	49476793	78.89%	13.425%
64	30.982	4747	4749	4762	VV	8	10082	337101	0.54%	0.091%
65	31.071	4762	4764	4780	VV	8	3423	109504	0.17%	0.030%
66	31.376	4811	4816	4834	PV	4	6526	173407	0.28%	0.047%
67	34.708	5369	5383	5434	PV	2	1399676	36110318	57.58%	9.798%
68	35.019	5434	5436	5439	VV	3	3120	50014	0.08%	0.014%
69	35.048	5439	5441	5445	VV	3	2608	42454	0.07%	0.012%
70	35.078	5445	5446	5453	VV	4	2179	35605	0.06%	0.010%

Sum of corrected areas: 368537545

File : C:\MSDCHEM\1\DATA\050902\9574.D
Operator : Mclean
Acquired : 9 May 2002 10:37 pm using AcqMethod 508SCAN
Instrument : Instrumen
Sample Name: 5/8 kb
Misc Info :
Vial Number: 10
Quant File :050102.RES (Chemstation Integrator)



Data File : C:\MSDCHEM\1\DATA\050902\9574.D
Acq On : 9 May 2002 10:37 pm
Sample : 5/8 kb
Misc :
MS Integration Params: LSCINT.e

Vial: 10
Operator: Mclean
Inst : Instrumen
Multiplr: 1.00

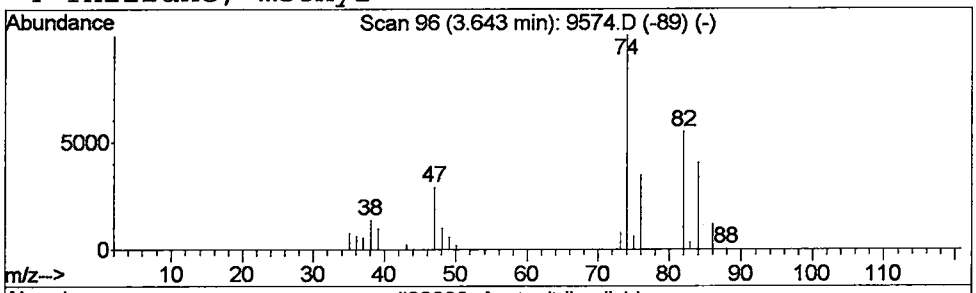
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

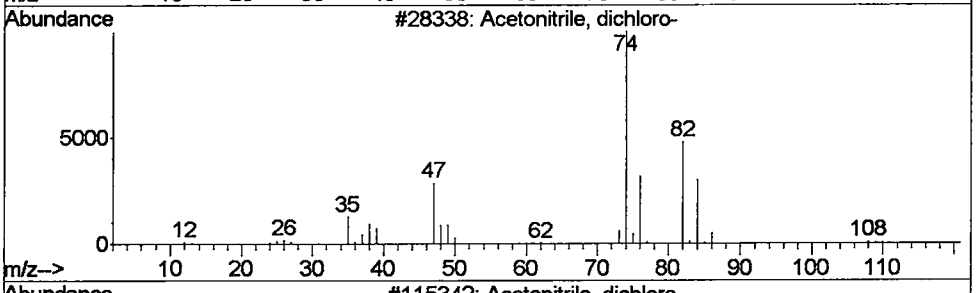
****

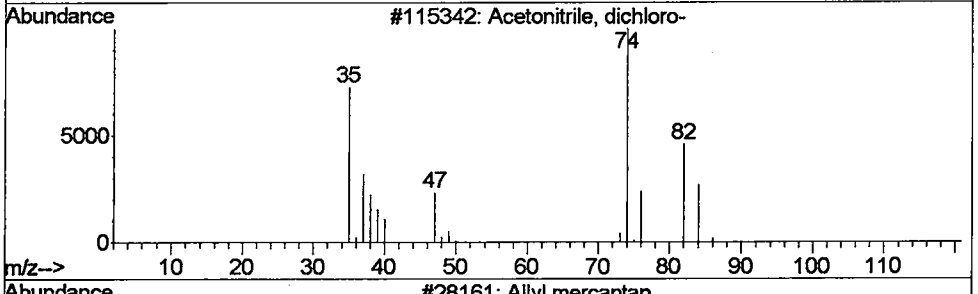
Peak Number 1 Acetonitrile, dichloro- Concentration Rank 5

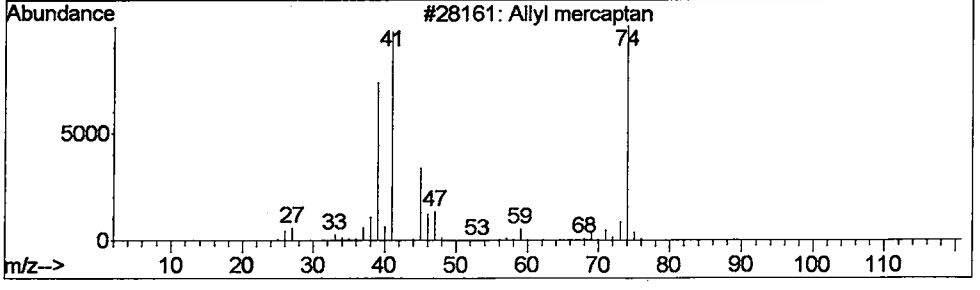
R.T.	EstConc	Area	Relative to ISTD	R.T.
3.64	0.29 ug/L	310436	1,4-Dichlorobenzene-d4	9.94

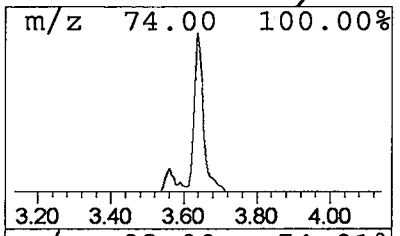
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetonitrile, dichloro-	109	C2HCl2N	003018-12-0	64
2	Acetonitrile, dichloro-	109	C2HCl2N	003018-12-0	40
3	Allyl mercaptan	74	C3H6S	000870-23-5	16
4	Thiirane, methyl-	74	C3H6S	001072-43-1	9

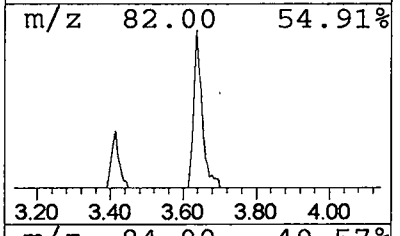


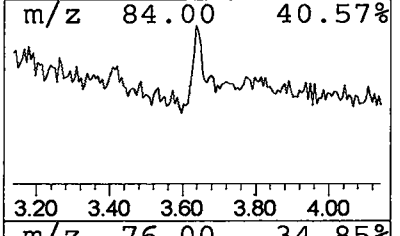


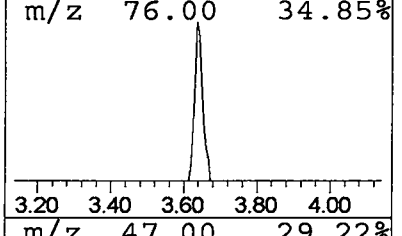


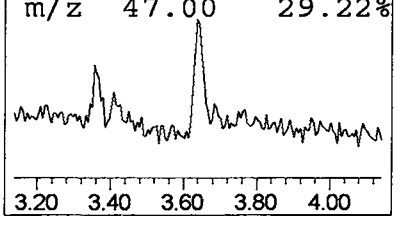












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MS Integration Params: LSCINT.e

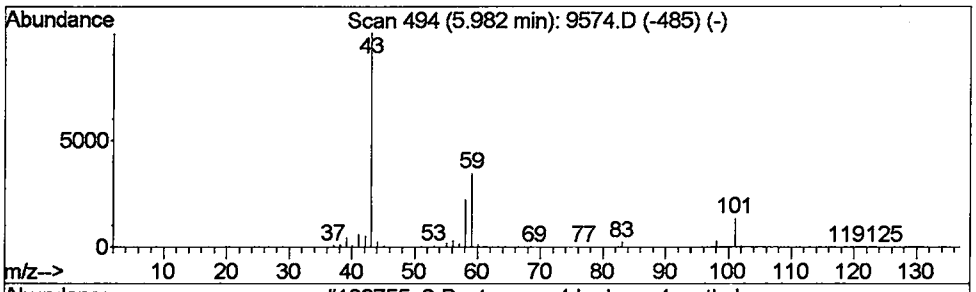
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

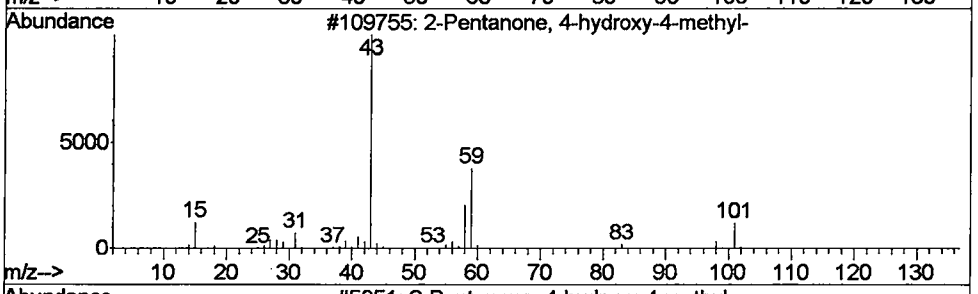
****

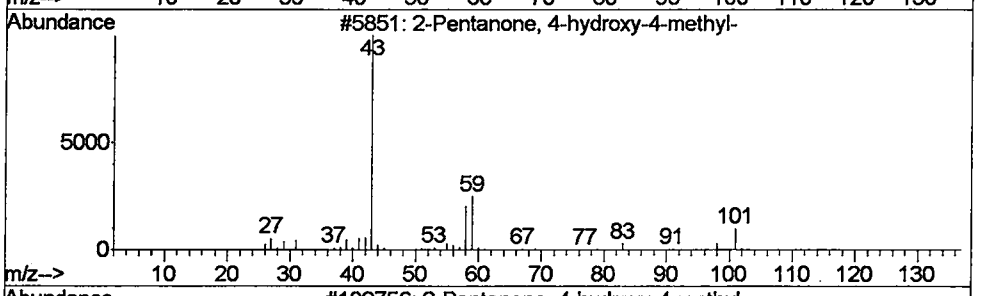
Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

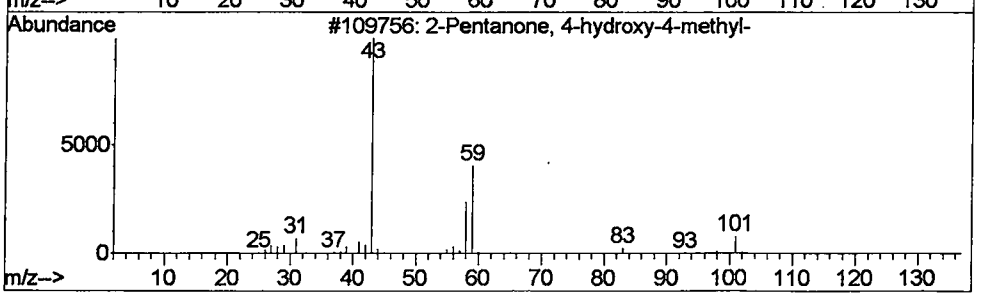
R.T.	EstConc	Area	Relative to ISTD	R.T.
5.98	17.66 ug/L	19178900	1,4-Dichlorobenzene-d4	9.94

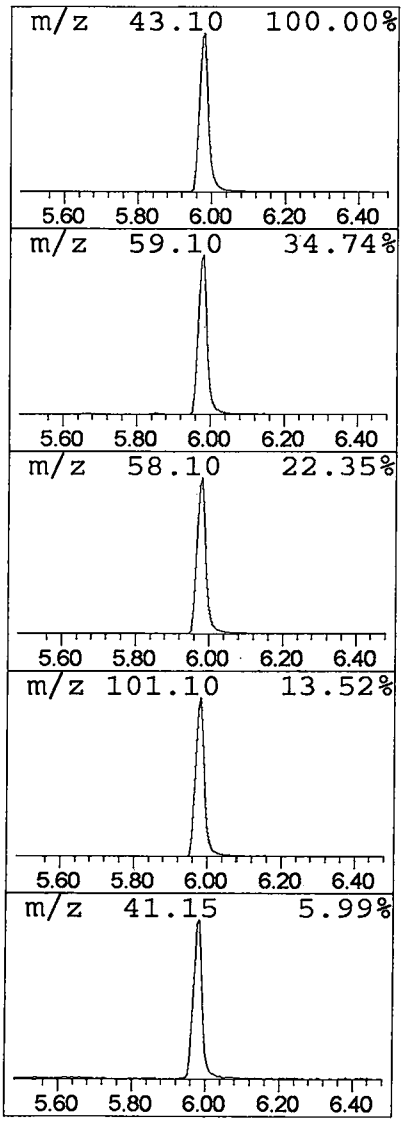
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	90
2	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	83
3	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	72
4	Acetone	58	C3H6O	000067-64-1	32











Data File : C:\MSDCHEM\1\DATA\050902\9574.D Vial: 10
Acq On : 9 May 2002 10:37 pm Operator: Mclean
Sample : 5/8 kb Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

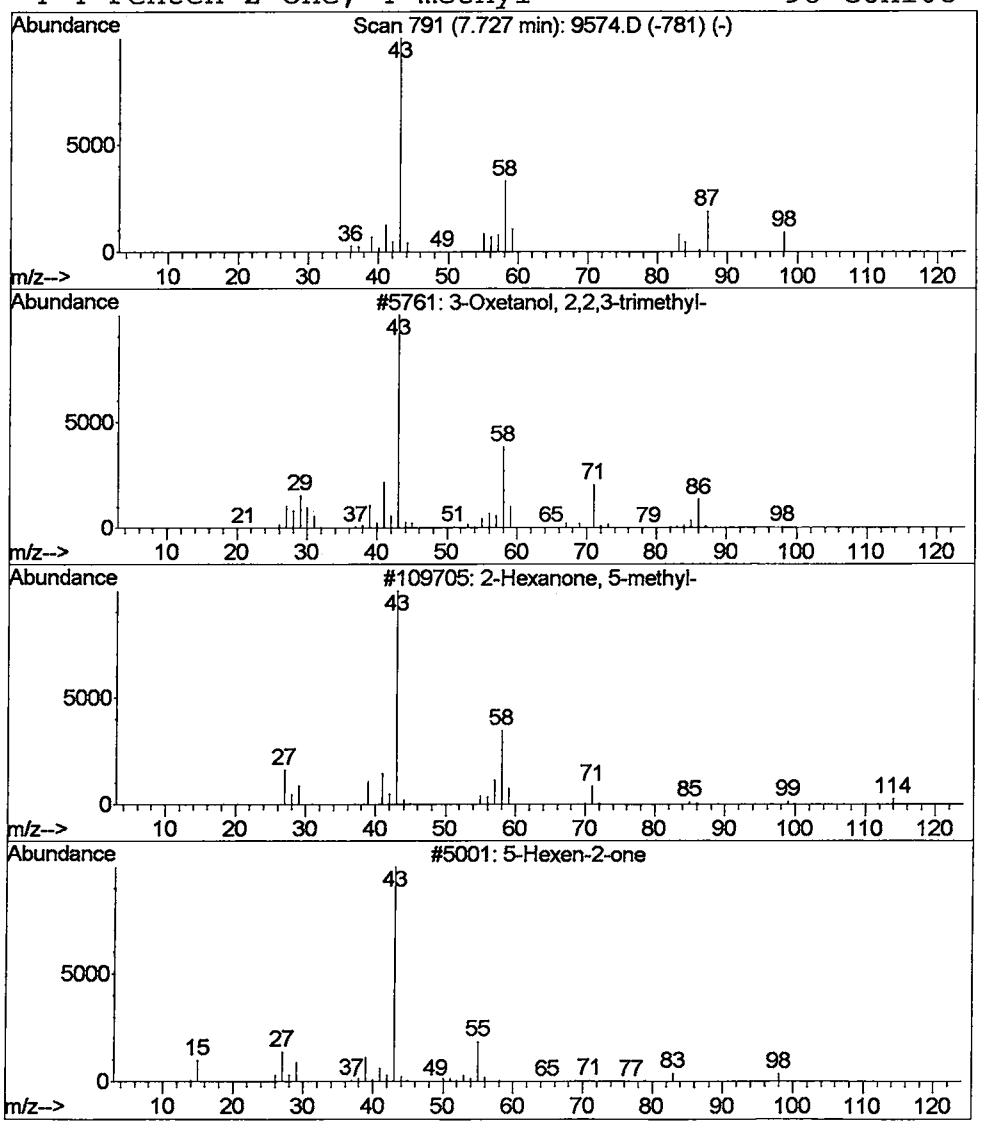
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

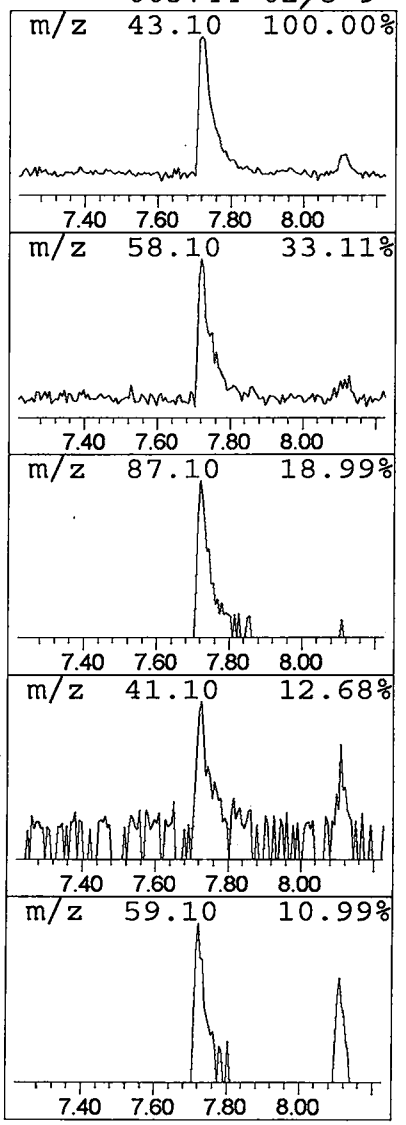
****

Peak Number 3 3-Oxetanol, 2,2,3-trimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.72	0.42 ug/L	451650	1,4-Dichlorobenzene-d4	9.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Oxetanol, 2,2,3-trimethyl-	116	C6H12O2	025910-96-7	36
2	2-Hexanone, 5-methyl-	114	C7H14O	000110-12-3	28
3	5-Hexen-2-one	98	C6H10O	000109-49-9	9
4	4-Penten-2-one, 4-methyl-	98	C6H10O	003744-02-3	9





Data File : C:\MSDCHEM\1\DATA\050902\9574.D Vial: 10
Acq On : 9 May 2002 10:37 pm Operator: Mclean
Sample : 5/8 kb 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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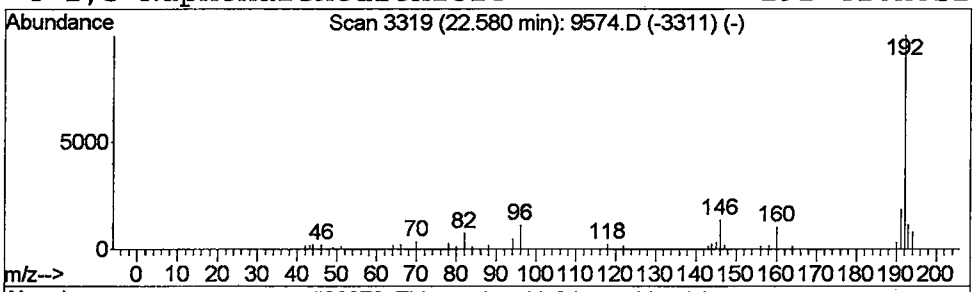
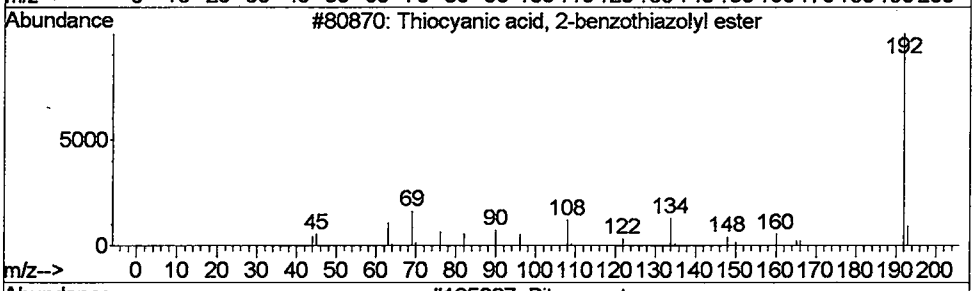
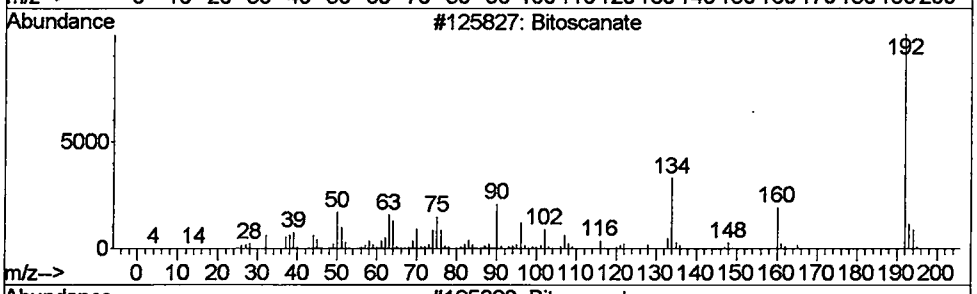
Peak Number 4 Thiocyanic acid, 2-benzothi... Concentration Rank 4

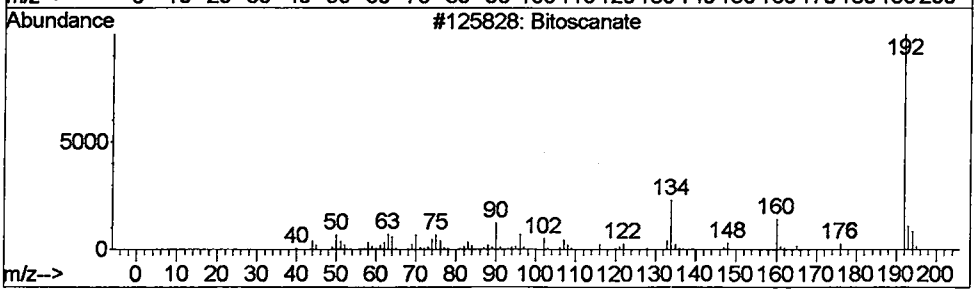
R.T.	EstConc	Area	Relative to ISTD	R.T.
22.58	0.34 ug/L	510759	Phenanthranene-d10	22.96

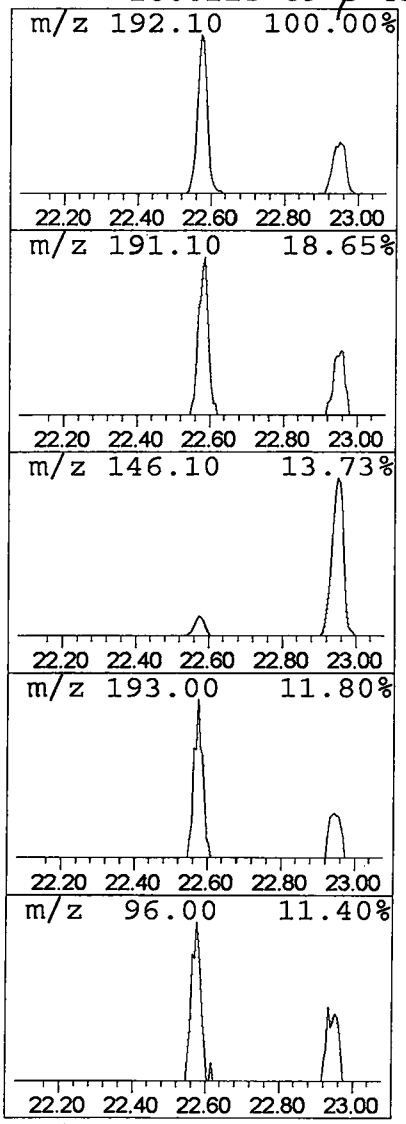
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiocyanic acid, 2-benzothiazoly...	192	C8H4N2S2	006011-99-0	59
2	Bitoscanate	192	C8H4N2S2	004044-65-9	58
3	Bitoscanate	192	C8H4N2S2	004044-65-9	58
4	1,5-Naphthalenedithiole	192	C10H8S2	1000223-69-5	45











Data File : C:\MSDCHEM\1\DATA\050902\9574.D Vial: 10
Acq On : 9 May 2002 10:37 pm Operator: Mclean
Sample : 5/8 kb 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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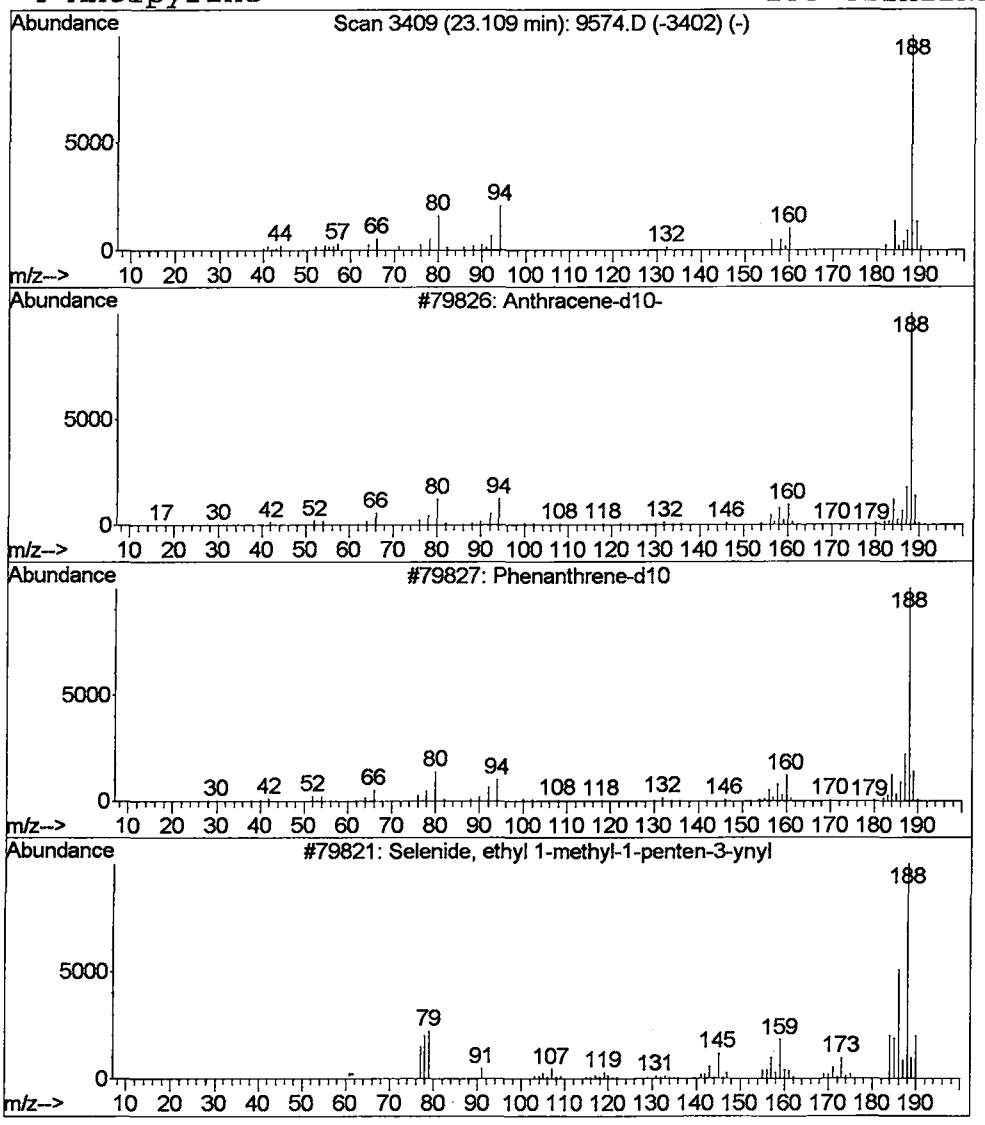
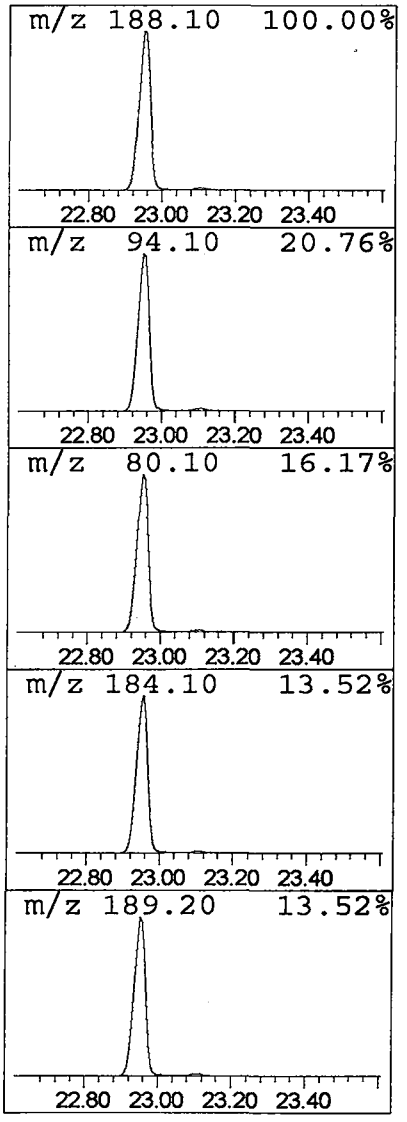
Peak Number 5 Anthracene-d10- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.11	0.48 ug/L	724973	Phenanthranene-d10	22.96

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	Selenide, ethyl 1-methyl-1-pente...	188	C8H12Se	025128-48-7	50
4	Antipyrine	188	C11H12N2O	000060-80-0	49





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Acq On : 9 May 2002 10:37 pm Operator: Mclean
Sample : 5/8 kb Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

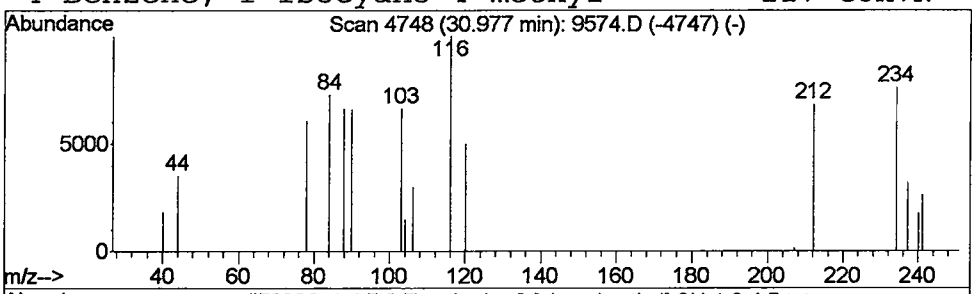
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

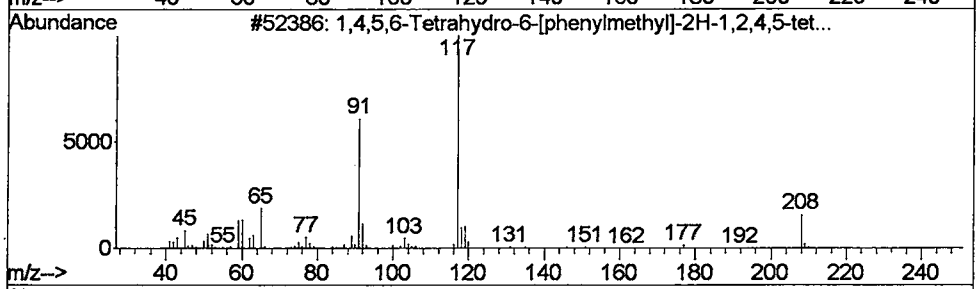
****

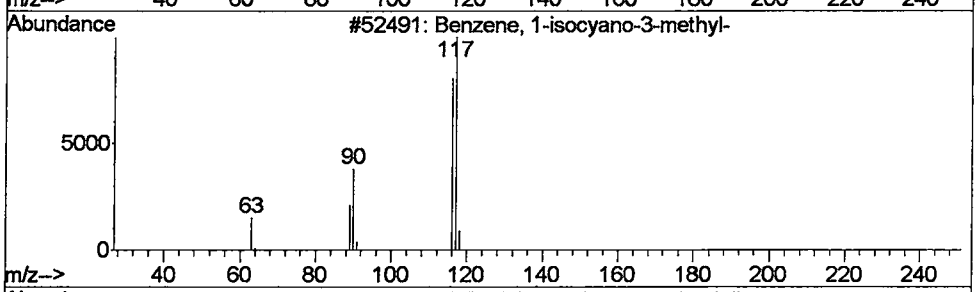
Peak Number 6 1,4,5,6-Tetrahydro-6-[pheny... Concentration Rank 6

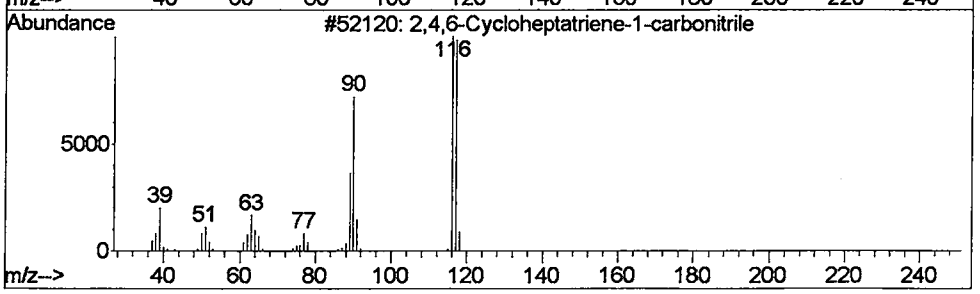
R.T.	EstConc	Area	Relative to ISTD	R.T.
30.98	0.27 ug/L	337101	Chrysene-d12	30.81

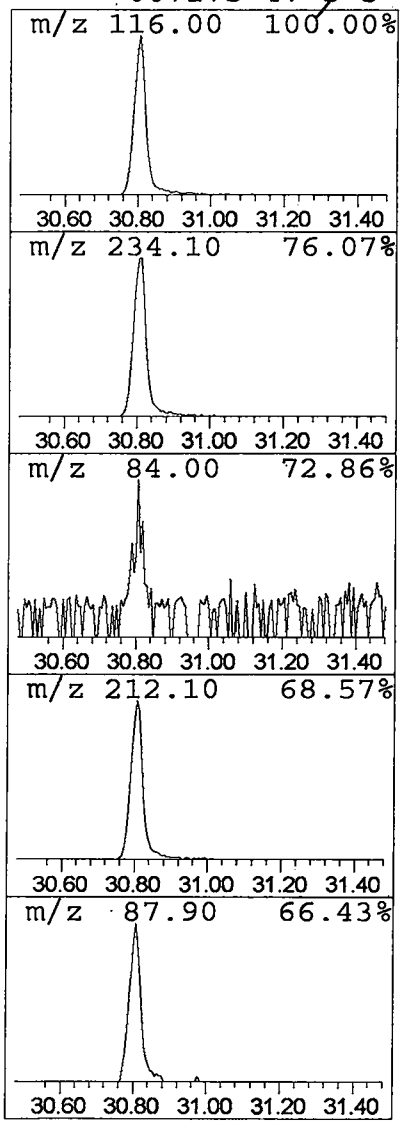
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4,5,6-Tetrahydro-6-[phenylmeth...	208	C9H12N4S	1000213-67-4	7
2	Benzene, 1-isocyano-3-methyl-	117	C8H7N	020600-54-8	5
3	2,4,6-Cycloheptatriene-1-carboni...	117	C8H7N	013612-59-4	5
4	Benzene, 1-isocyano-4-methyl-	117	C8H7N	007175-47-5	5











Operator ID: Mclean Date Acquired: 9 May 2002 10:37 pm
Data File: C:\MSDCHEM\1\DATA\050902\9574.D
Name: 5/8 kb
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
Acetonitrile, dic...	3.64	0.3	ug/L	310436	1	9.94	43437900	40.0
2-Pentanone, 4-hy...	5.98	17.7	ug/L	19178900	1	9.94	43437900	40.0
3-Oxetanol, 2,2,3...	7.72	0.4	ug/L	451650	1	9.94	43437900	40.0
Thiocyanic acid, ...	22.58	0.3	ug/L	510759	4	22.96	60977200	40.0
Anthracene-d10-	23.11	0.5	ug/L	724973	4	22.96	60977200	40.0
1,4,5,6-Tetrahydr...	30.98	0.3	ug/L	337101	5	30.81	49476800	40.0