User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 05/14/2002 Time: 14:02:07

Sample: AE10816
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 5/14/02 14:01 Ended: 5/14/02 14:01 Analyst: DLV
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr_2,4-DDD		92		10.0

Comments for Sample AE10816 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 05-14-2002 Time: 14:02:54

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds. The recoveries for 2 of the 43 compounds in the LCS Standard were low.

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\051302\10816.D Vial: 13
Acq On : 13 May 2002 9:16 pm Operator: Mclean
Sample : 5/9 kb Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: May 14 11:42:23 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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.94	152	6045054	40.00	ug/L	0.00
10) Napthalene-d8	13.43	136	23899125	40.00	ug/L	0.00
17) Acenapthalene-d10	18.57	164	12959058	40.00	ug/L	0.00
29) Phenanthranene-d10	22.96	188	19021176	40.00	ug/L	0.00
37) Chrysene-d12	30.81	240	13517483	40.00	ug/L	0.00
43) Perylene-d12	34.71	264	8299596	40.00	ug/L	0.00
System Monitoring Compounds						
27) TCMX	20.55	209	2880059	36.61	ug/L	0.00
Spiked Amount 40.000			Recovery = 91.53%			
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	0.00	204	0	N.D.		
26) Fluorene	0.00	166	0	N.D.		
28) Azobenzene	20.55	77	51002	N.D.		
30) Nnitrosodiphenylamine	20.55	169	55225	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	0.00	149	0	N.D.		

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

Quantitation Report (QT Reviewed)

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Title : 508 Modified GC/MS scan
Last Update : Mon May 13 11:40:29 2002
Response via : Initial Calibration
DataAcq Meth : 508SCAN

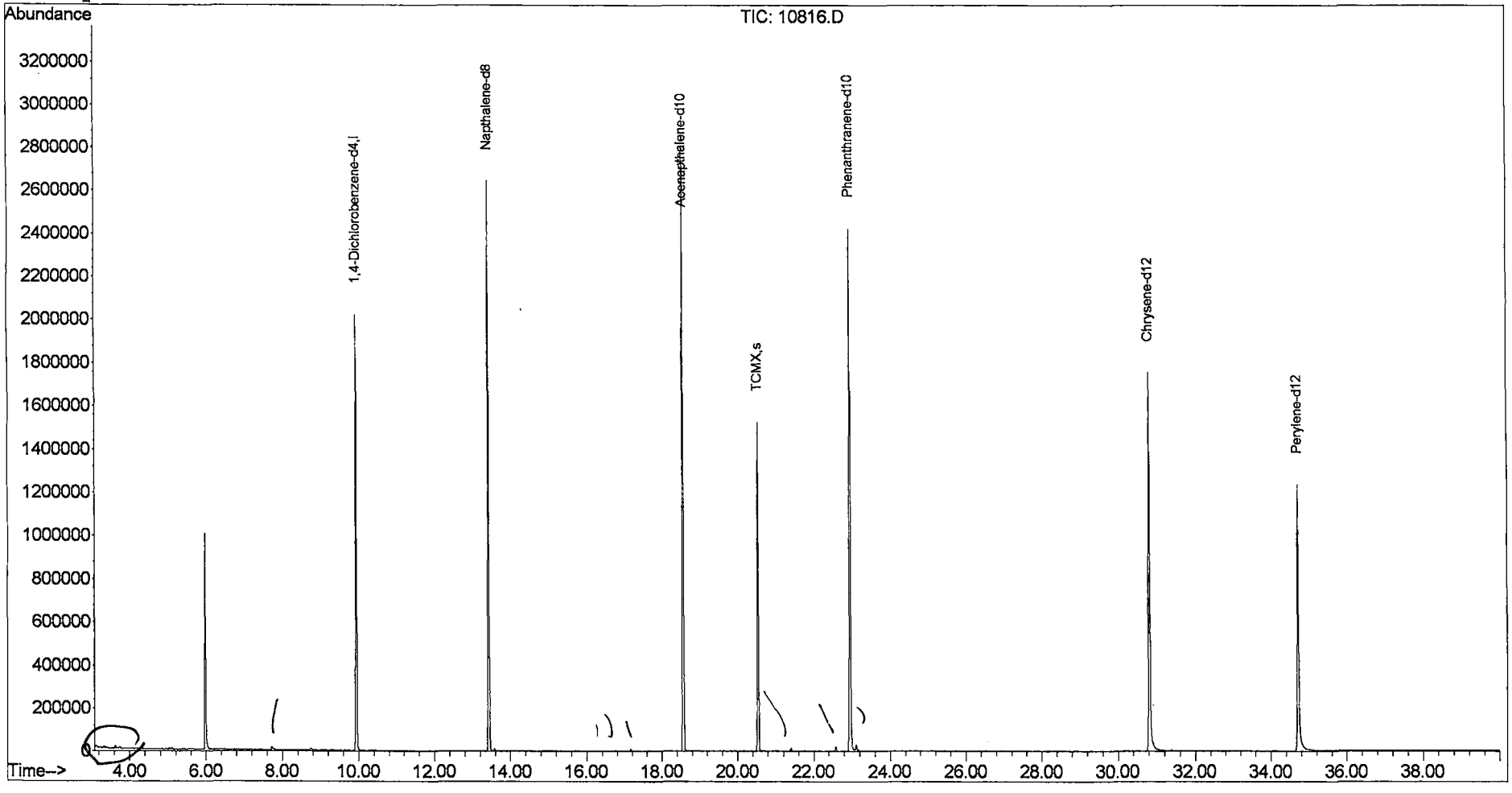
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
36)	Fluoroanthene	0.00	202	0	N.D.	
38)	Pyrene	0.00	202	0	N.D.	
39)	Butylbenzylphthalate	0.00	149	0	N.D.	
40)	Benzo(a)anthracene	30.81	228	38691	N.D.	
41)	Bis(2-ethylhexyl)phthalate	31.38	149	18657	N.D.	
42)	Chrysene	0.00	228	0	N.D.	
44)	Di-n-octylphthalate	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)

Data File : C:\MSDCHEM\1\DATA\051302\10816.D Vial: 13
Acq On : 13 May 2002 9:16 pm Operator: Mclean
Sample : 5/9 kb Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: May 14 11:42 2002 Quant Results File: 050102.RES

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



LSC Area Percent Report

Data File : C:\MSDCHEM\1\DATA\051302\10816.D Vial: 13
Acq On : 13 May 2002 9:16 pm Operator: Mclean
Sample : 5/9 kb 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

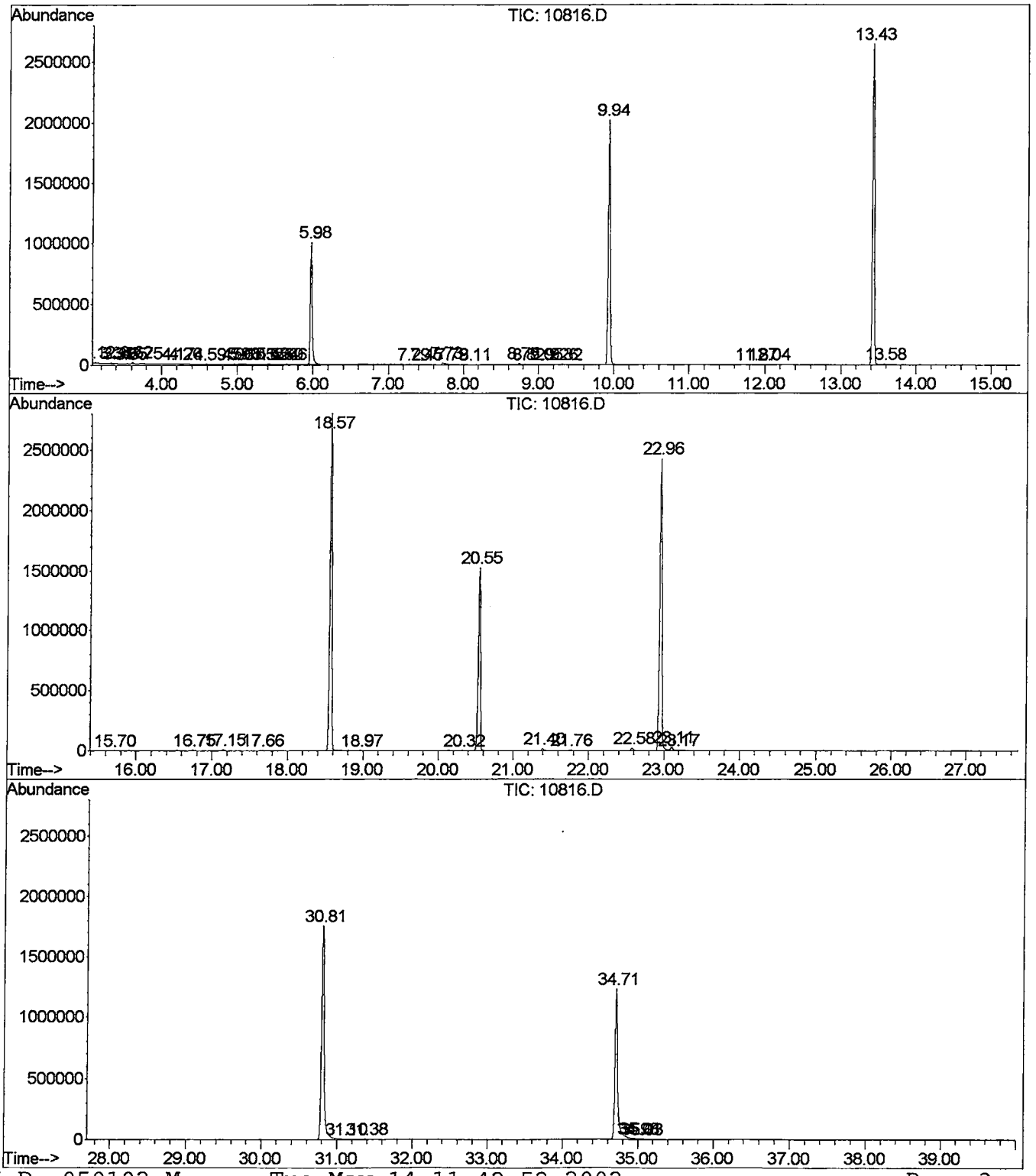
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.126	3	8	18	BV	5509	92931	0.17%	0.029%
2	3.338	38	44	49	PV 2	8144	128694	0.24%	0.041%
3	3.391	49	53	65	VV 2	3591	78908	0.15%	0.025%
4	3.549	74	80	83	PV 7	3013	41285	0.08%	0.013%
5	3.620	86	92	98	VV	13940	235582	0.44%	0.075%
6	3.749	104	114	122	VV 4	7811	239767	0.45%	0.076%
7	4.166	181	185	195	VV 6	3381	87790	0.16%	0.028%
8	4.260	198	201	207	VV 4	3203	51744	0.10%	0.016%
9	4.583	253	256	261	VV 5	1808	23722	0.04%	0.008%
10	4.960	312	320	328	VV 7	2542	47960	0.09%	0.015%
11	5.030	328	332	337	PV 5	6119	118473	0.22%	0.038%
12	5.065	337	338	340	VV 2	2495	25597	0.05%	0.008%
13	5.101	340	344	352	VV 9	6184	130168	0.24%	0.041%
14	5.365	379	389	392	VV 6	2041	50260	0.09%	0.016%
15	5.418	392	398	415	VV 4	5311	166388	0.31%	0.053%
16	5.547	415	420	427	PV 5	3062	89338	0.17%	0.028%
17	5.600	427	429	433	VV 5	2385	44571	0.08%	0.014%
18	5.659	433	439	447	VV 7	3496	105972	0.20%	0.034%
19	5.976	485	493	528	VV	982880	17302574	32.38%	5.479%
20	7.286	711	716	725	PV 8	1828	42640	0.08%	0.014%
21	7.457	741	745	748	VV 3	2449	33255	0.06%	0.011%
22	7.727	787	791	801	VV 3	13649	328178	0.61%	0.104%
23	7.792	801	802	810	VV 5	3169	51397	0.10%	0.016%
24	8.109	852	856	872	PV 7	1657	52799	0.10%	0.017%
25	8.749	958	965	973	VV	8349	167378	0.31%	0.053%
26	8.826	973	978	987	PV 4	2507	52911	0.10%	0.017%
27	9.055	1005	1017	1019	VV 5	1820	47747	0.09%	0.015%
28	9.255	1041	1051	1056	PV 6	2128	43551	0.08%	0.014%
29	9.319	1056	1062	1066	VV 5	4506	96419	0.18%	0.031%
30	9.936	1157	1167	1197	PV	1969541	36738744	68.75%	11.634%
31	11.869	1491	1496	1502	PV 3	2105	34971	0.07%	0.011%
32	12.040	1520	1525	1533	VV 6	1834	36925	0.07%	0.012%
33	13.432	1749	1762	1783	PV	2643880	49120986	91.92%	15.555%
34	13.579	1783	1787	1797	VV 2	8532	153009	0.29%	0.048%
35	15.700	2143	2148	2155	PV 3	2692	51069	0.10%	0.016%
36	16.746	2306	2326	2338	VV 5	4659	99040	0.19%	0.031%
37	17.151	2390	2395	2403	VV 3	9019	148727	0.28%	0.047%

38	17.663	2464	2482	2488	PV	4	4508	76742	0.14%	0.024%
39	18.567	2623	2636	2665	PV		2758386	53438556	100.00%	16.922%
40	18.967	2697	2704	2711	PV	3	1754	34503	0.06%	0.011%
41	20.324	2927	2935	2943	BV	6	1739	33126	0.06%	0.010%
42	20.547	2959	2973	2988	PV		1517705	29093991	54.44%	9.213%
43	21.394	3107	3117	3124	VV	2	15162	240291	0.45%	0.076%
44	21.758	3174	3179	3186	PV	5	2835	46130	0.09%	0.015%
45	22.580	3312	3319	3331	VV	2	22497	406091	0.76%	0.129%
46	22.956	3365	3383	3403	PV	2	2424981	52161632	97.61%	16.518%
47	23.109	3403	3409	3419	VV	2	28255	686561	1.28%	0.217%
48	23.174	3419	3420	3444	VV	6	3120	106947	0.20%	0.034%
49	30.812	4708	4720	4768	PV	2	1754413	42547602	79.62%	13.473%
50	31.106	4768	4770	4779	VV	4	4109	104391	0.20%	0.033%
51	31.376	4811	4816	4827	VV	4	4388	100045	0.19%	0.032%
52	34.713	5363	5384	5429	BV		1215407	30302593	56.71%	9.596%
53	34.984	5429	5430	5432	VV		3066	28075	0.05%	0.009%
54	35.007	5432	5434	5437	VV	4	2003	16558	0.03%	0.005%
55	35.037	5437	5439	5440	VV	2	530	4103	0.01%	0.001%

Sum of corrected areas: 315789403

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\DATA\051302\10816.D
Operator : Mclean
Acquired : 13 May 2002 9:16 pm using AcqMethod 508SCAN
Instrument : Instrumen
Sample Name: 5/9 kb
Misc Info :
Vial Number: 13
Quant File :050102.RES (Chemstation Integrator)



Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\051302\10816.D Vial: 13
Acq On : 13 May 2002 9:16 pm Operator: Mclean
Sample : 5/9 kb Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

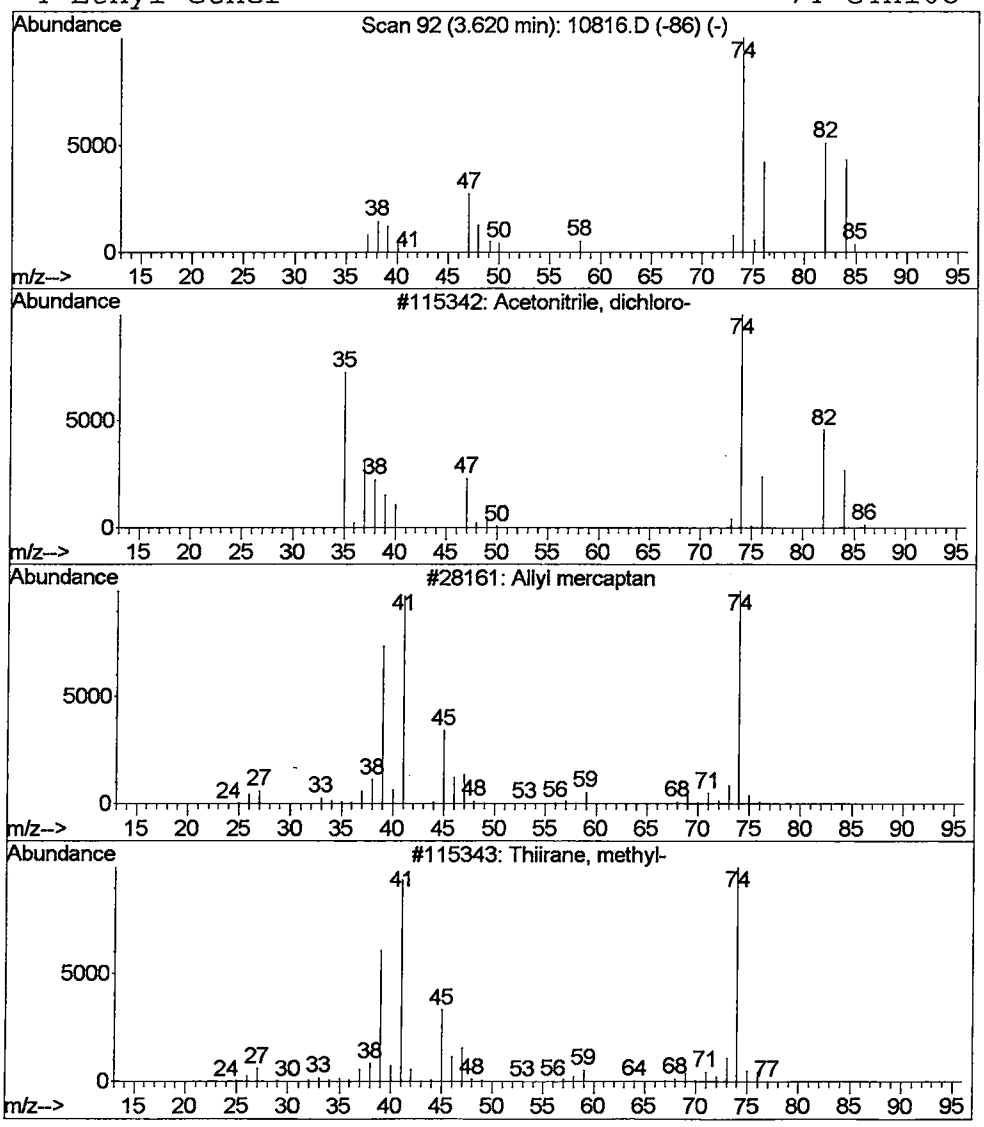
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

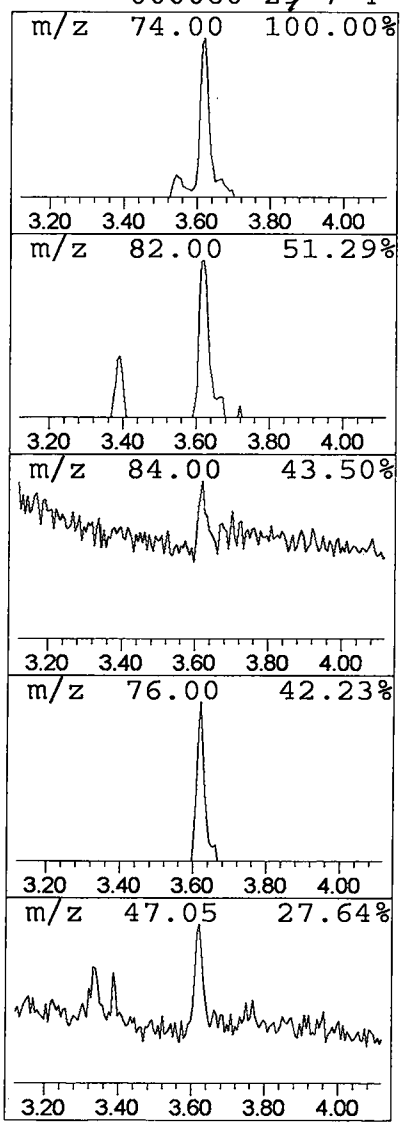
****

Peak Number 1 Acetonitrile, dichloro- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.62	0.26 ug/L	235582	1,4-Dichlorobenzene-d4	9.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetonitrile, dichloro-	109	C2HCl2N	003018-12-0	25
2	Allyl mercaptan	74	C3H6S	000870-23-5	16
3	Thiirane, methyl-	74	C3H6S	001072-43-1	9
4	Ethyl ether	74	C4H10O	000060-29-7	4





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\051302\10816.D Vial: 13
Acq On : 13 May 2002 9:16 pm Operator: Mclean
Sample : 5/9 kb Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

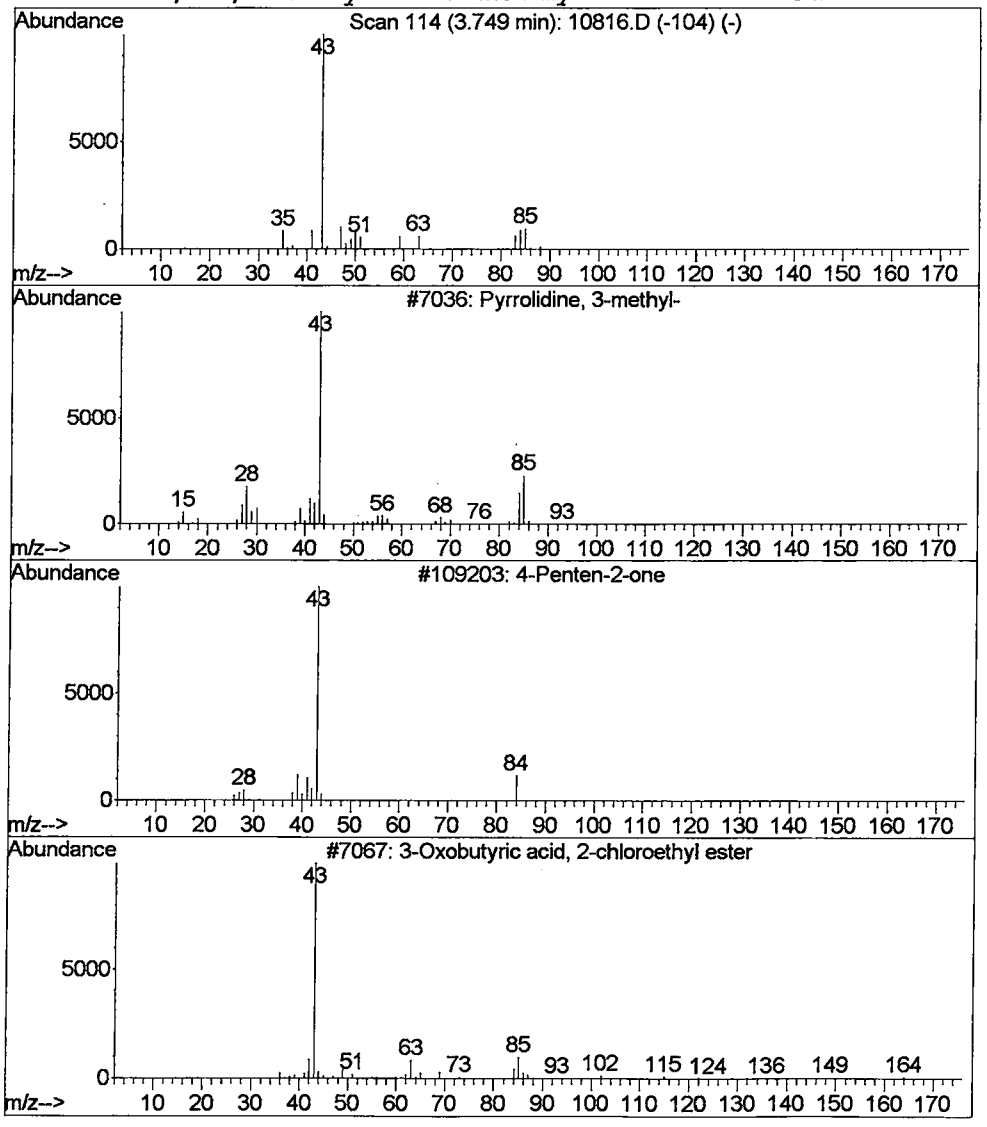
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

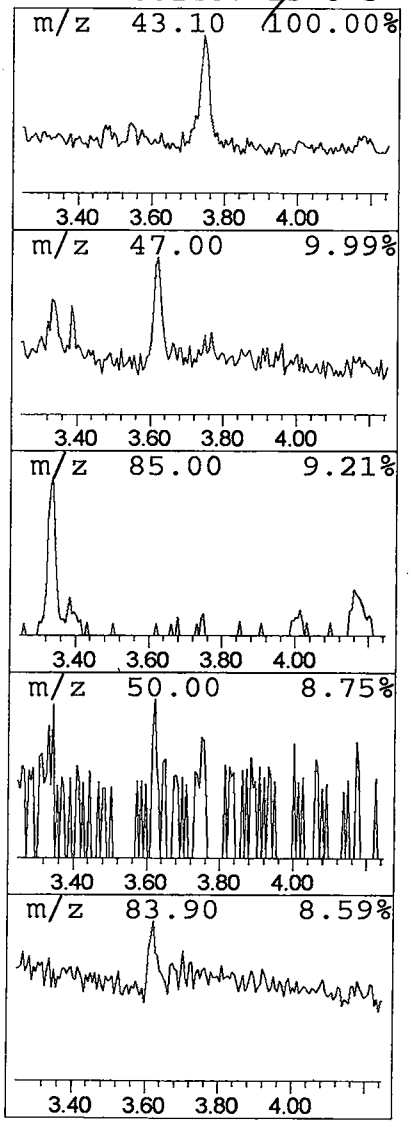
****

Peak Number 2 Pyrrolidine, 3-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.75	0.26 ug/L	239767	1,4-Dichlorobenzene-d4	9.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrrolidine, 3-methyl-	85	C5H11N	034375-89-8	5
2	4-Penten-2-one	84	C5H8O	013891-87-7	4
3	3-Oxobutyric acid, 2-chloroethyl...	164	C6H9ClO3	1000210-13-3	4
4	Furan, 2,3-dihydro-5-methyl-	84	C5H8O	001487-15-6	3





Library Search Compound Report

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Acq On : 13 May 2002 9:16 pm Operator: Mclean
Sample : 5/9 kb Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

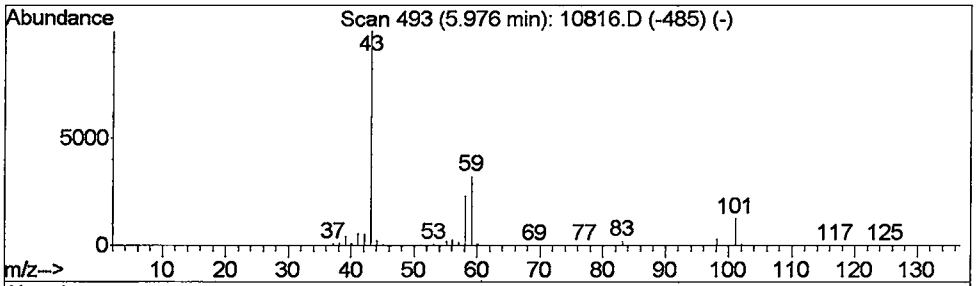
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

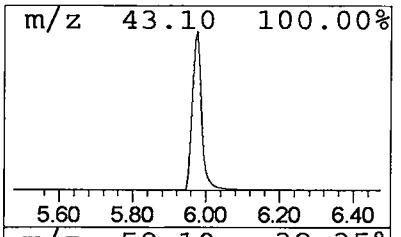
****

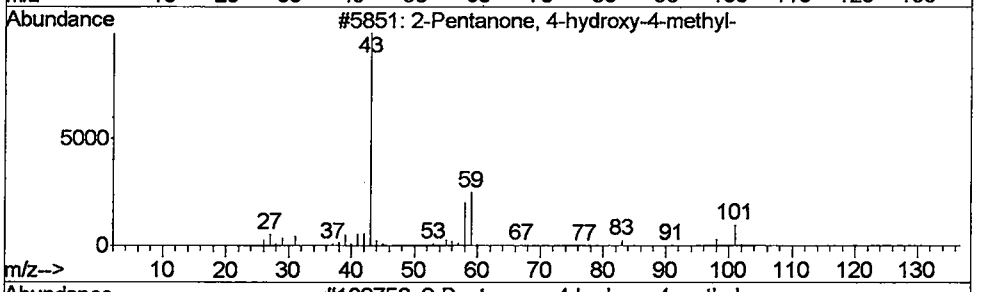
Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

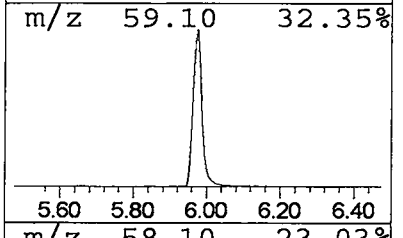
R.T.	EstConc	Area	Relative to ISTD	R.T.
5.98	18.84 ug/L	17302600	1,4-Dichlorobenzene-d4	9.94

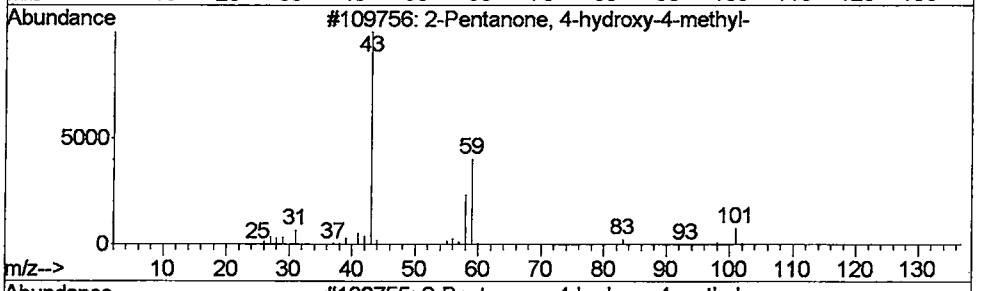
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	83
2	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	78
3	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	78
4	Acetone	58	C3H6O	000067-64-1	32

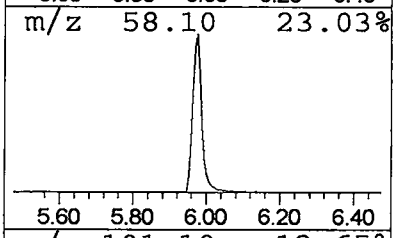


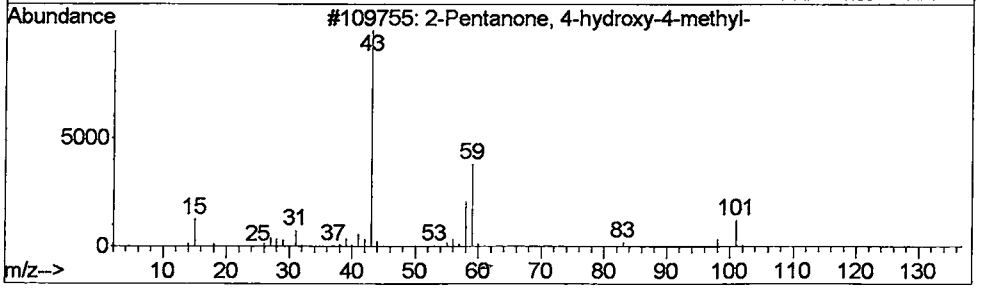


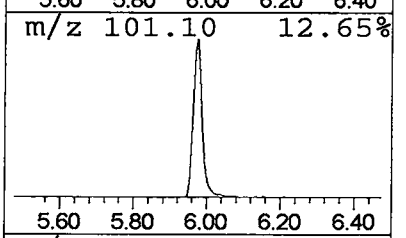


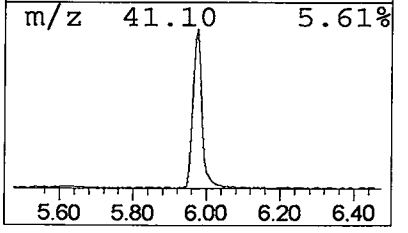












Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\051302\10816.D Vial: 13
Acq On : 13 May 2002 9:16 pm Operator: Mclean
Sample : 5/9 kb Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

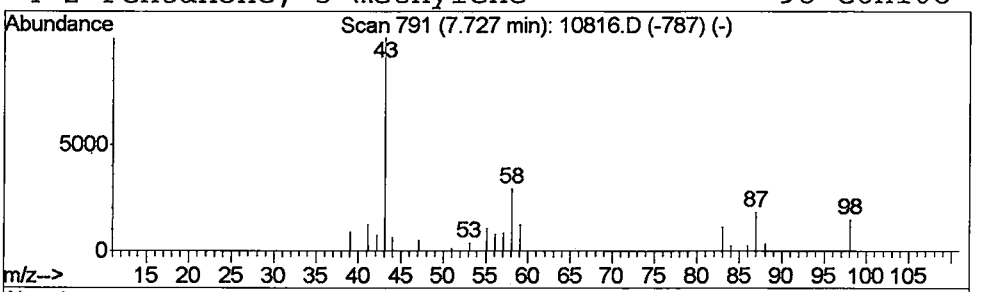
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

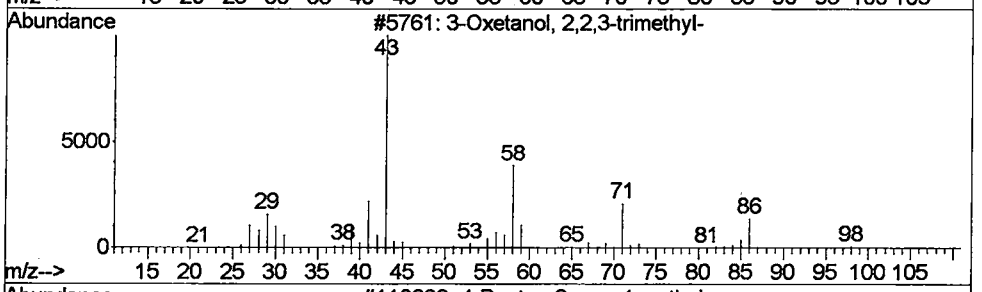
****

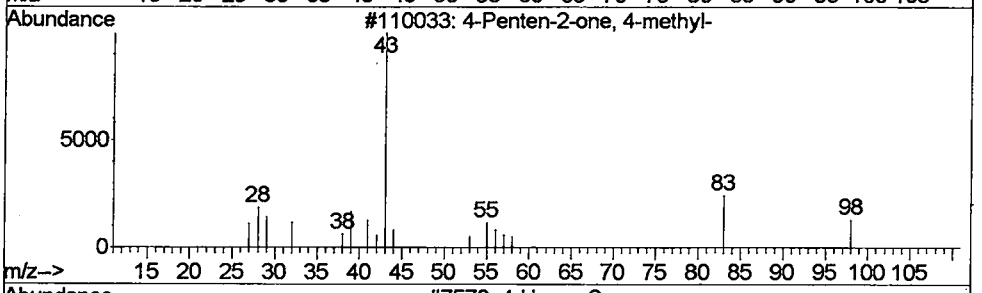
Peak Number 4 3-Oxetanol, 2,2,3-trimethyl- Concentration Rank 3

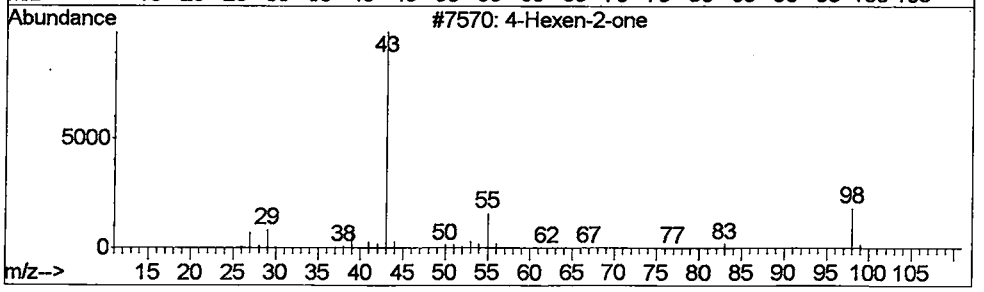
R.T.	EstConc	Area	Relative to ISTD	R.T.
7.73	0.36 ug/L	328178	1,4-Dichlorobenzene-d4	9.94

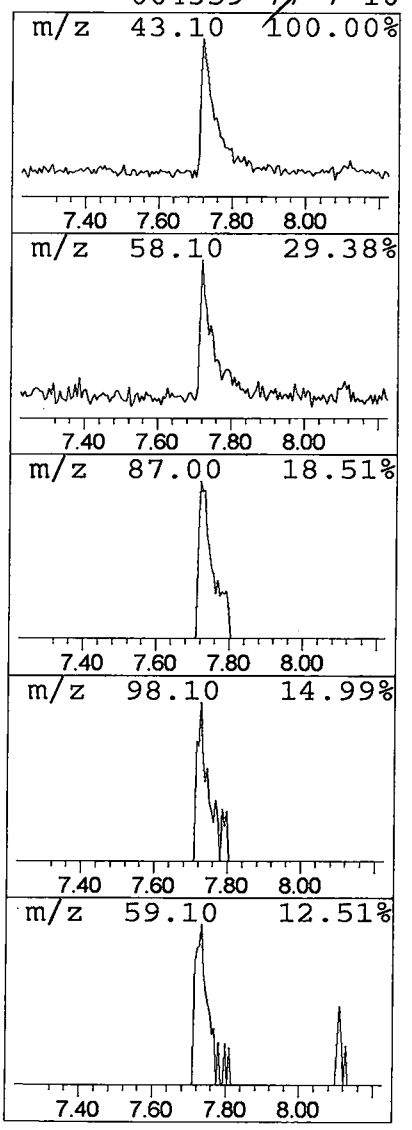
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Oxetanol, 2,2,3-trimethyl-	116	C6H12O2	025910-96-7	23
2	4-Penten-2-one, 4-methyl-	98	C6H10O	003744-02-3	22
3	4-Hexen-2-one	98	C6H10O	025659-22-7	12
4	2-Pentanone, 3-methylene-	98	C6H10O	004359-77-7	10











Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\051302\10816.D
Acq On : 13 May 2002 9:16 pm
Sample : 5/9 kb
Misc :
MS Integration Params: LSCINT.e

Vial: 13
Operator: Mclean
Inst : Instrumen
Multiplr: 1.00

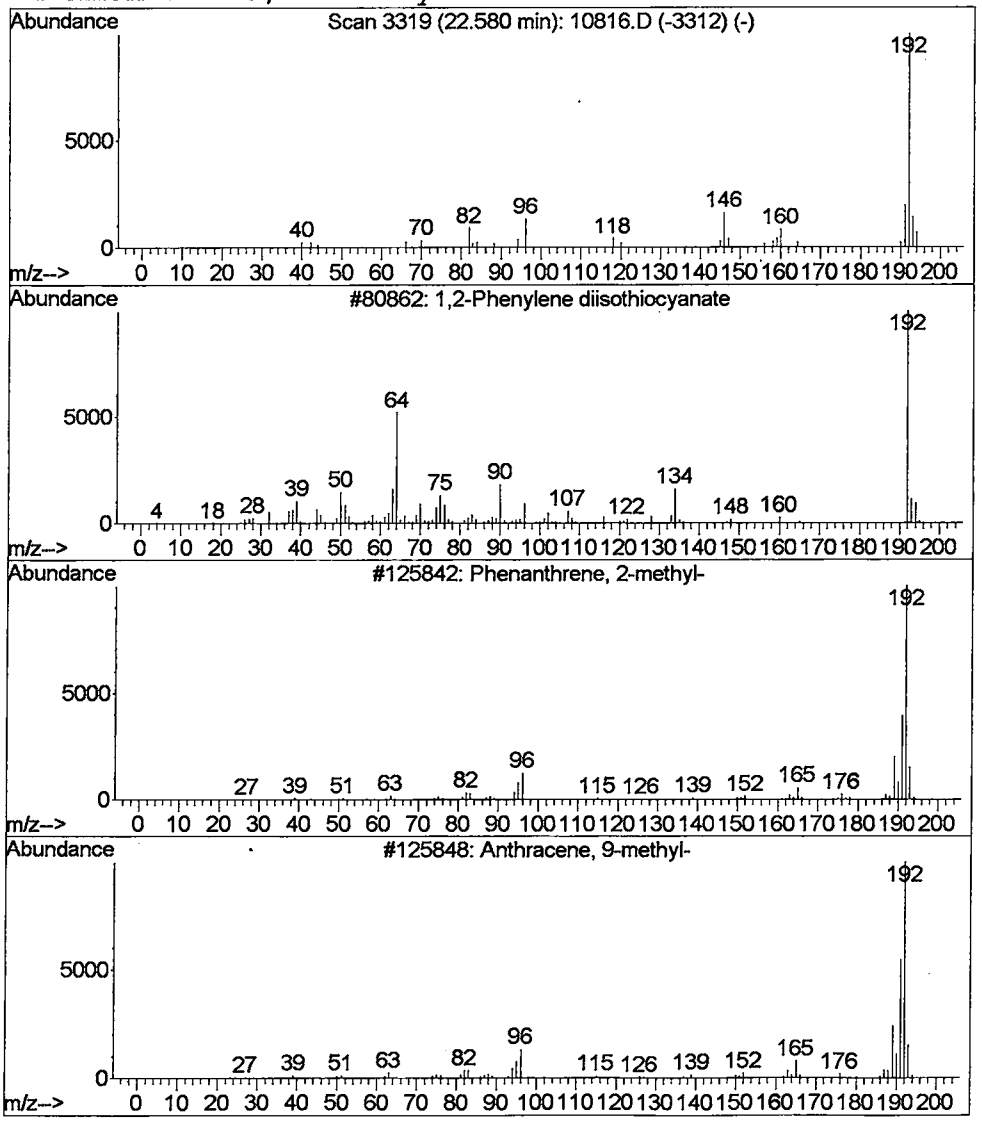
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

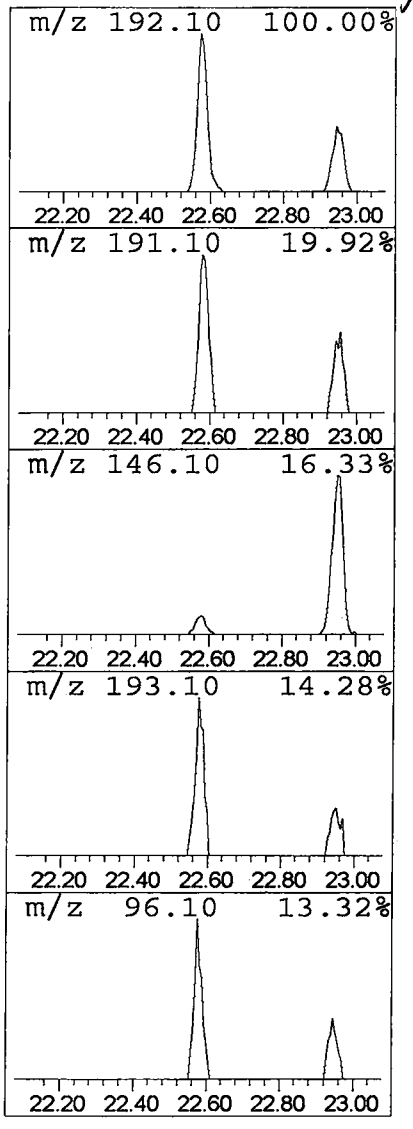
****

Peak Number 5 1,2-Phenylene diisothiocyanate Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.58	0.31 ug/L	406091	Phenanthranene-d10	22.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2-Phenylene diisothiocyanate	192	C8H4N2S2	071105-17-4	53
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	50
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	40
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	40





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\051302\10816.D Vial: 13
Acq On : 13 May 2002 9:16 pm Operator: Mclean
Sample : 5/9 kb Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

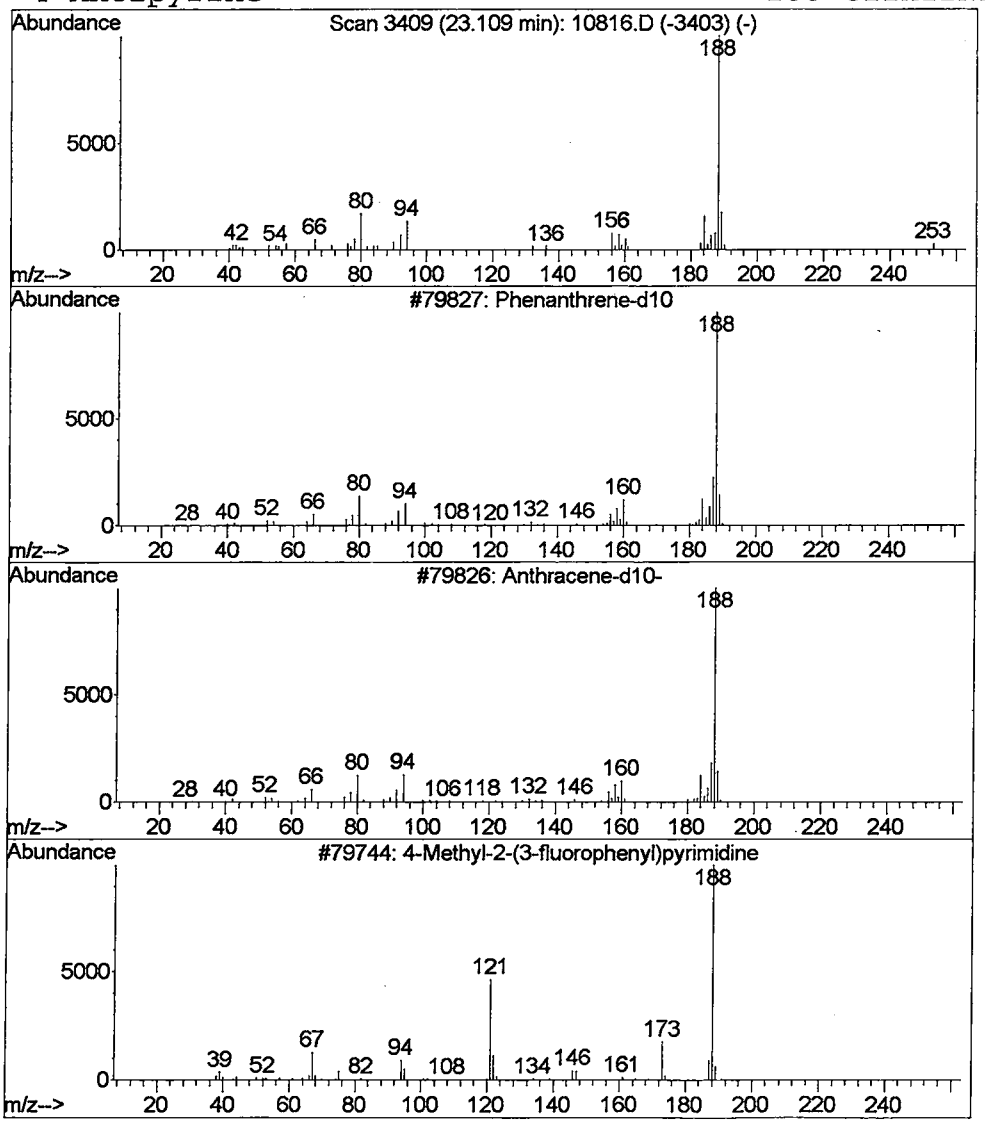
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

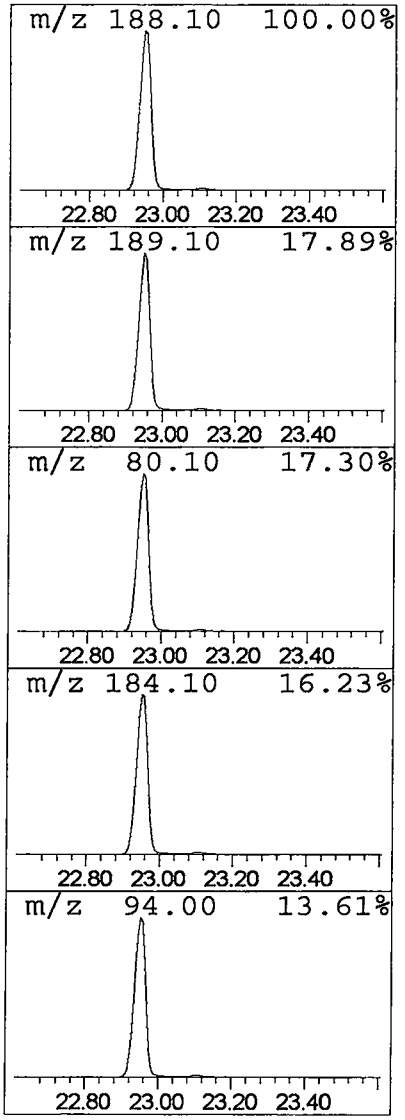
****

Peak Number 6 Phenanthrene-d10 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.11	0.53 ug/L	686561	Phenanthranene-d10	22.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene-d10	188	C14D10	001517-22-2	90
2	Anthracene-d10-	188	C14D10	001719-06-8	87
3	4-Methyl-2-(3-fluorophenyl)pyrim...	188	C11H9FN2	076128-66-0	40
4	Antipyrine	188	C11H12N2O	000060-80-0	40





Tentatively Identified Compound (LSC) summary

Operator ID: Mclean Date Acquired: 13 May 2002 9:16 pm
Data File: C:\MSDCHEM\1\DATA\051302\10816.D
Name: 5/9 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 #	Internal Standard RT	Internal Standard Resp	Internal Standard Conc
Acetonitrile, dic...	3.62	0.3	ug/L	235582	1	9.94	36738700	40.0
Pyrrolidine, 3-me...	3.75	0.3	ug/L	239767	1	9.94	36738700	40.0
2-Pentanone, 4-hy...	5.98	18.8	ug/L	17302600	1	9.94	36738700	40.0
3-Oxetanol, 2,2,3...	7.73	0.4	ug/L	328178	1	9.94	36738700	40.0
1,2-Phenylene dii...	22.58	0.3	ug/L	406091	4	22.96	52161600	40.0
Phenanthrene-d10	23.11	0.5	ug/L	686561	4	22.96	52161600	40.0