User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 05/30/2002 Time: 09:22:59

Sample: AE11423
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 5/30/02 09:22 Ended: 5/30/02 09:22 Analyst: DLV
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr_2,4-DDD		88		10.0

Comments for Sample AE11423 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 05-30-2002 Time: 09:23:31

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.

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\052002\11423.D Vial: 13
Acq On : 20 May 2002 11:03 pm Operator: Mclean
Sample : 5/16 eh Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: May 23 10:49:21 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	9.93	152	5105409	40.00	ug/L	0.00
10) Napthalene-d8	13.43	136	20112180	40.00	ug/L	0.00
17) Acenapthalene-d10	18.57	164	10993666	40.00	ug/L	0.00
29) Phenanthranene-d10	22.95	188	16291566	40.00	ug/L	0.00
37) Chrysene-d12	30.80	240	11922400	40.00	ug/L	0.00
43) Perylene-d12	34.70	264	7636056	40.00	ug/L	0.00
System Monitoring Compounds						
27) TCMX	20.55	209	2338600	35.04	ug/L	0.00
Spiked Amount 40.000			Recovery = 87.60%			
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	20.54	77	37922	N.D.		
30) Nnitrosodiphenylamine	20.54	169	47368	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

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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	0.00	228	0	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.	
50)	Benzo(g,h,i)perylene	0.00	276	0	N.D.	

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

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Acq On : 20 May 2002 11:03 pm Operator: Mclean
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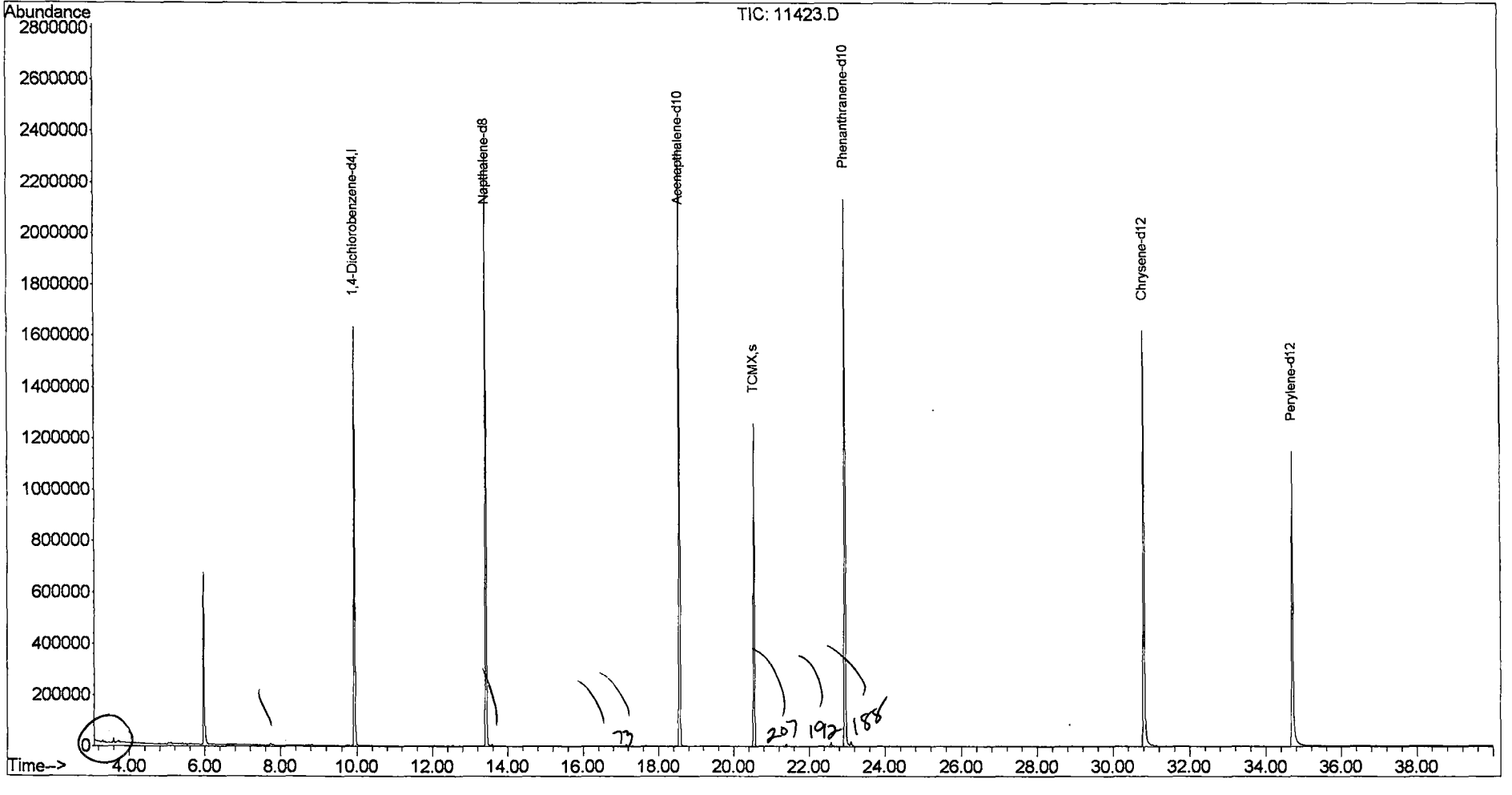
Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Last Update : Mon May 13 11:40:29 2002
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\MSDCHEM\1\DATA\052002\11423.D
Acq On : 20 May 2002 11:03 pm
Sample : 5/16 eh
Misc :
MS Integration Params: LSCINT.e

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

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

Signal : TIC

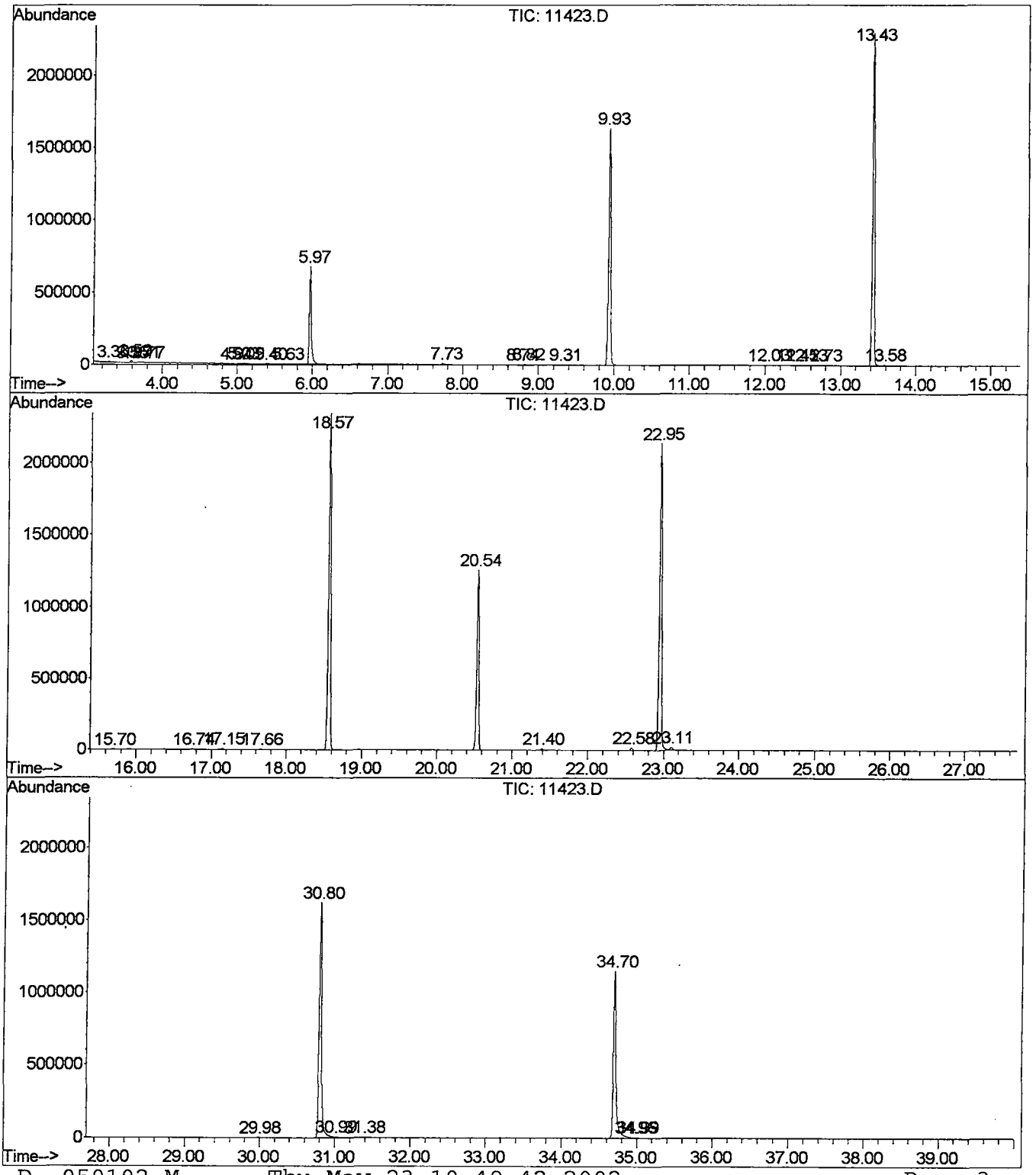
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.296	33	37	42	PV 2	6882	83601	0.19%	0.032%
2	3.549	77	80	82	PV 4	1386	11545	0.03%	0.004%
3	3.590	82	87	96	VV	15767	249812	0.55%	0.095%
4	3.708	96	107	116	VV 6	6116	274075	0.61%	0.104%
5	3.772	116	118	126	VV 7	3274	99009	0.22%	0.037%
6	4.936	309	316	322	PV 7	1991	36671	0.08%	0.014%
7	5.030	328	332	336	PV 3	3729	69249	0.15%	0.026%
8	5.094	336	343	352	VV 8	4674	145618	0.32%	0.055%
9	5.400	390	395	403	VV 5	3051	76386	0.17%	0.029%
10	5.629	428	434	441	VV 9	1977	56722	0.13%	0.021%
11	5.970	479	492	519	VV	661046	12027531	26.66%	4.550%
12	7.733	786	792	806	PV 2	6829	206384	0.46%	0.078%
13	8.743	955	964	972	PV 7	1988	52046	0.12%	0.020%
14	8.820	972	977	987	VV 4	3662	84303	0.19%	0.032%
15	9.307	1051	1060	1071	VV 5	1822	52997	0.12%	0.020%
16	9.930	1158	1166	1195	VV	1595748	30581127	67.80%	11.569%
17	12.033	1519	1524	1531	VV 4	2012	46464	0.10%	0.018%
18	12.404	1575	1587	1598	BV 3	2199	40189	0.09%	0.015%
19	12.527	1603	1608	1614	VV 4	2769	57395	0.13%	0.022%
20	12.727	1625	1642	1649	VV 3	1769	44696	0.10%	0.017%
21	13.432	1746	1762	1782	PV	2255279	41107938	91.14%	15.551%
22	13.579	1782	1787	1801	VV 3	6458	130823	0.29%	0.049%
23	15.700	2139	2148	2155	PV 7	1770	29493	0.07%	0.011%
24	16.746	2319	2326	2333	VV 4	3222	66468	0.15%	0.025%
25	17.151	2385	2395	2402	PV 4	6888	123228	0.27%	0.047%
26	17.662	2475	2482	2490	PV 4	3423	62721	0.14%	0.024%
27	18.567	2624	2636	2661	PV	2333572	45106635	100.00%	17.064%
28	20.547	2958	2973	2988	PV	1241320	23317781	51.69%	8.821%
29	21.393	3111	3117	3126	VV 3	9789	159672	0.35%	0.060%
30	22.580	3311	3319	3329	PV 2	16793	310188	0.69%	0.117%
31	22.950	3371	3382	3402	BV 2	2105703	44391376	98.41%	16.793%
32	23.109	3402	3409	3422	VV	18382	438567	0.97%	0.166%
33	29.983	4570	4579	4584	PV 3	1373	24615	0.05%	0.009%
34	30.806	4705	4719	4750	PV 2	1606166	36809208	81.60%	13.925%
35	30.994	4750	4751	4760	VB 3	3207	45027	0.10%	0.017%
36	31.376	4811	4816	4823	PV 4	2019	36704	0.08%	0.014%
37	34.701	5365	5382	5425	BV 2	1131238	27821070	61.68%	10.525%

38	34.966	5425	5427	5430	VV	3	2962	37694	0.08%	0.014%
39	34.989	5430	5431	5438	VV	7	1871	25778	0.06%	0.010%

Sum of corrected areas: 264340803

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\DATA\052002\11423.D
Operator : Mclean
Acquired : 20 May 2002 11:03 pm using AcqMethod 508SCAN
Instrument : Instrumen
Sample Name: 5/16 eh
Misc Info :
Vial Number: 13
Quant File :050102.RES (Chemstation Integrator)



Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\052002\11423.D
Acq On : 20 May 2002 11:03 pm
Sample : 5/16 eh
Misc :
MS Integration Params: LSCINT.e

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

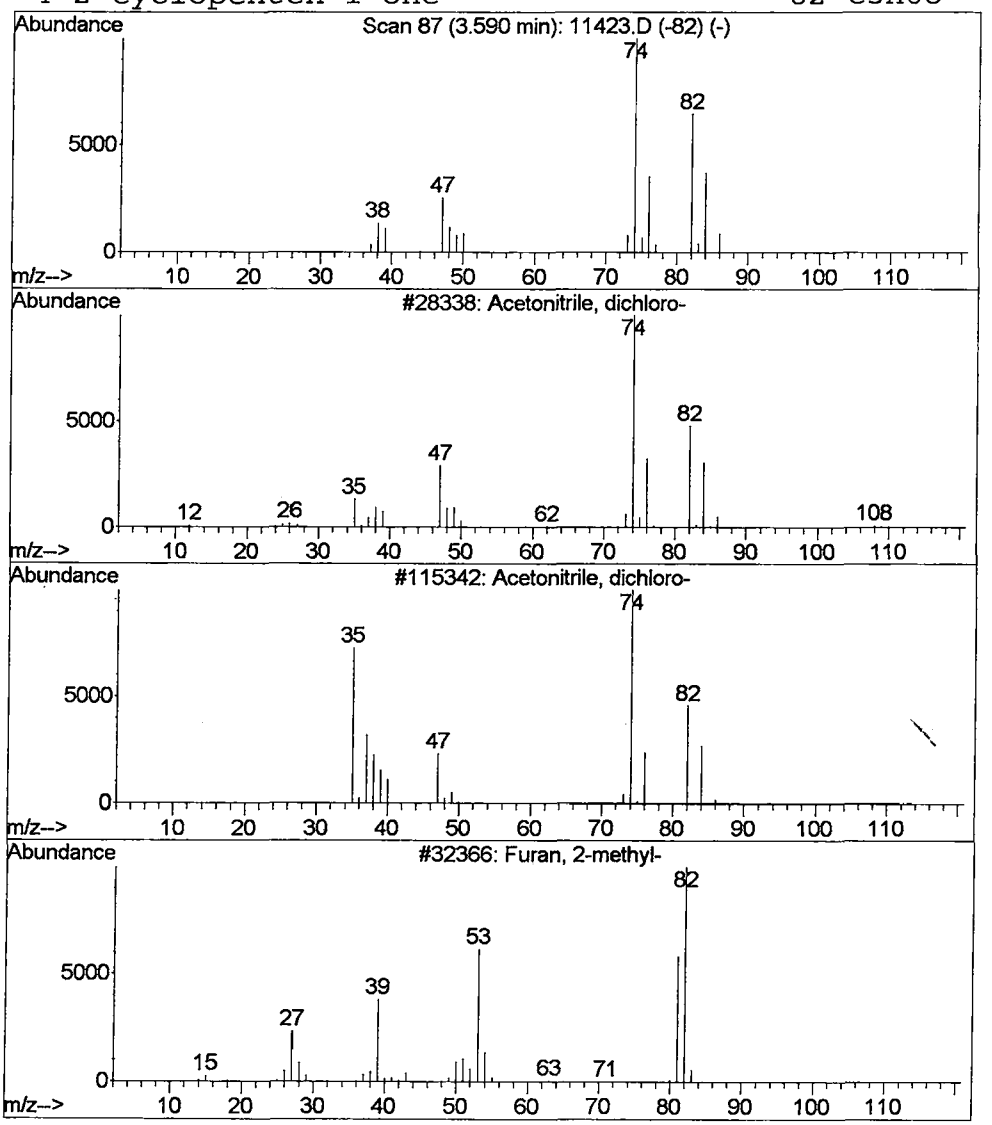
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

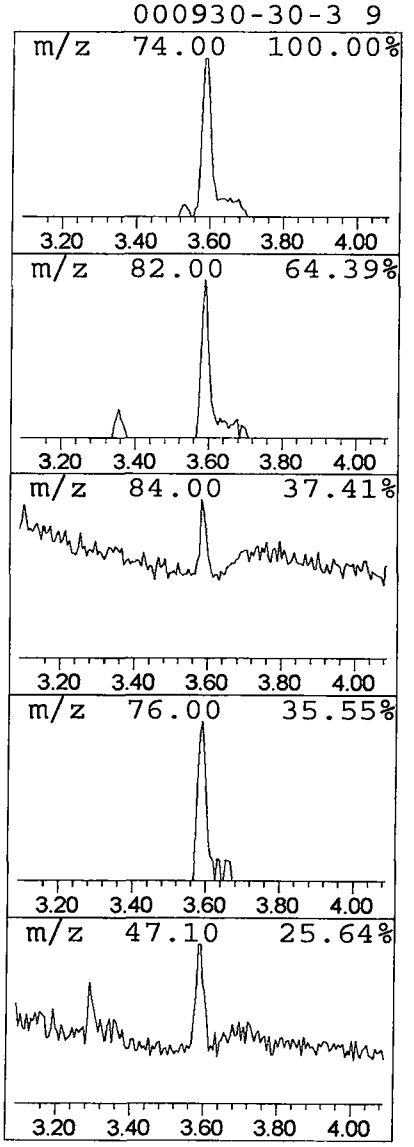
****

Peak Number 1 Acetonitrile, dichloro- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.59	0.33 ug/L	249812	1,4-Dichlorobenzene-d4	9.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetonitrile, dichloro-	109	C2HCl2N	003018-12-0	90
2	Acetonitrile, dichloro-	109	C2HCl2N	003018-12-0	64
3	Furan, 2-methyl-	82	C5H6O	000534-22-5	9
4	2-Cyclopenten-1-one	82	C5H6O	000930-30-3	9





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\052002\11423.D Vial: 13
Acq On : 20 May 2002 11:03 pm Operator: Mclean
Sample : 5/16 eh Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

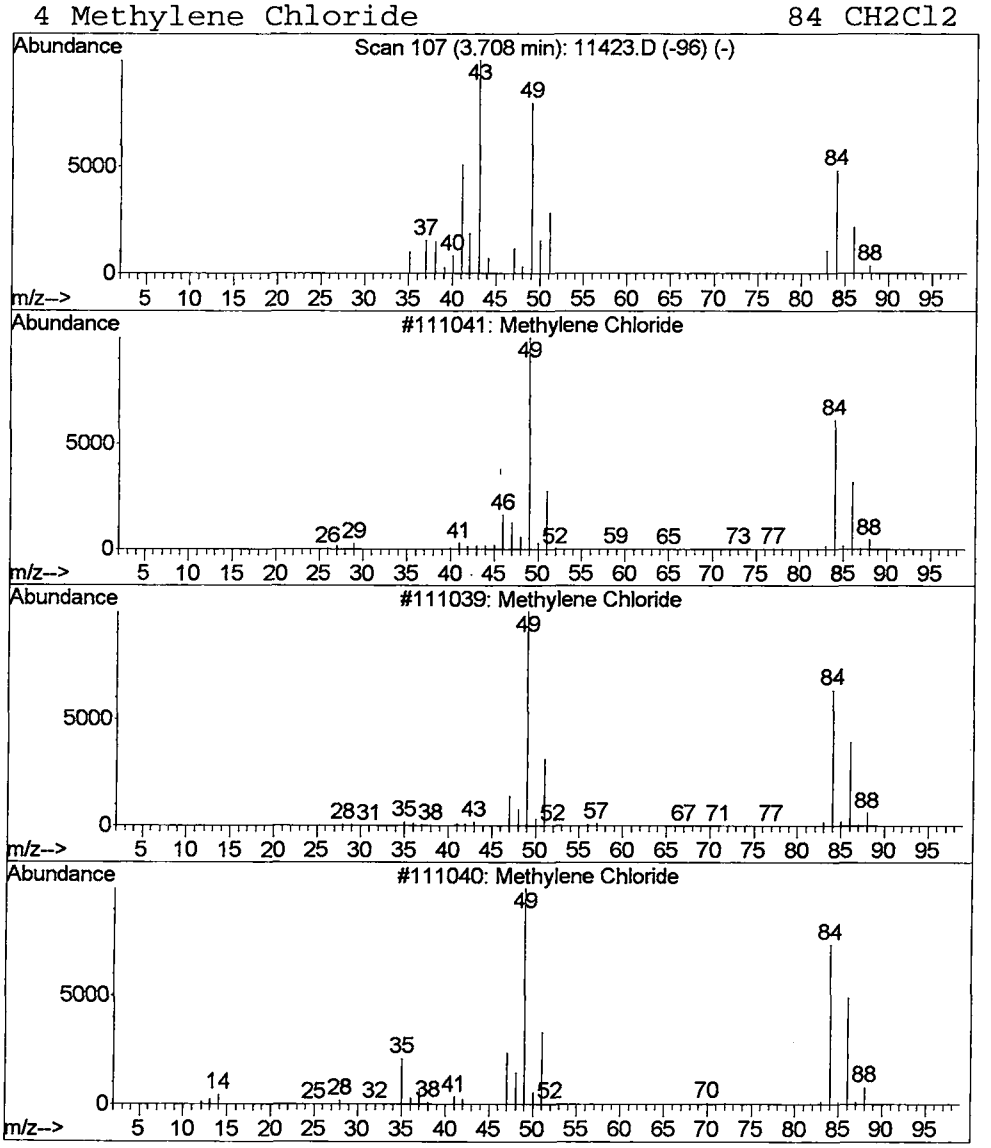
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

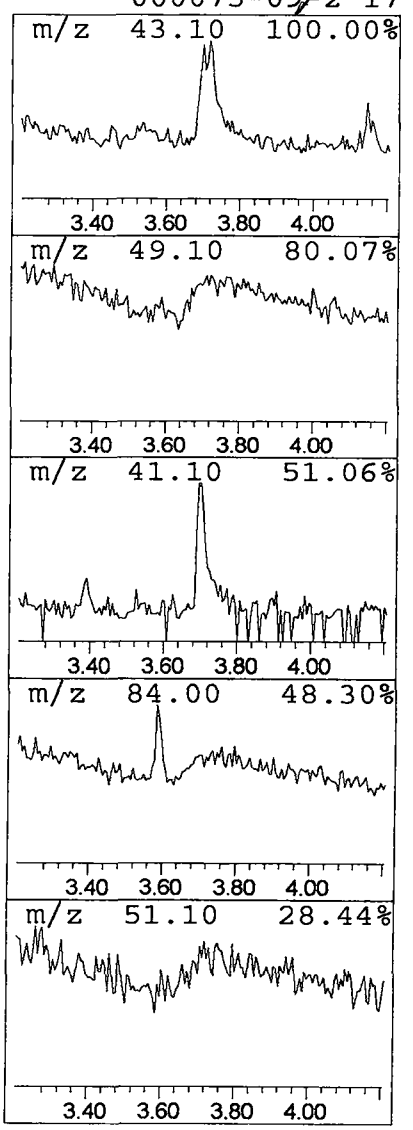
****

Peak Number 2 Methylene Chloride Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.71	0.36 ug/L	274075	1,4-Dichlorobenzene-d4	9.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methylene Chloride	84	CH2Cl2	000075-09-2	80
2	Methylene Chloride	84	CH2Cl2	000075-09-2	50
3	Methylene Chloride	84	CH2Cl2	000075-09-2	32
4	Methylene Chloride	84	CH2Cl2	000075-09-2	17





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Sample : 5/16 eh Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

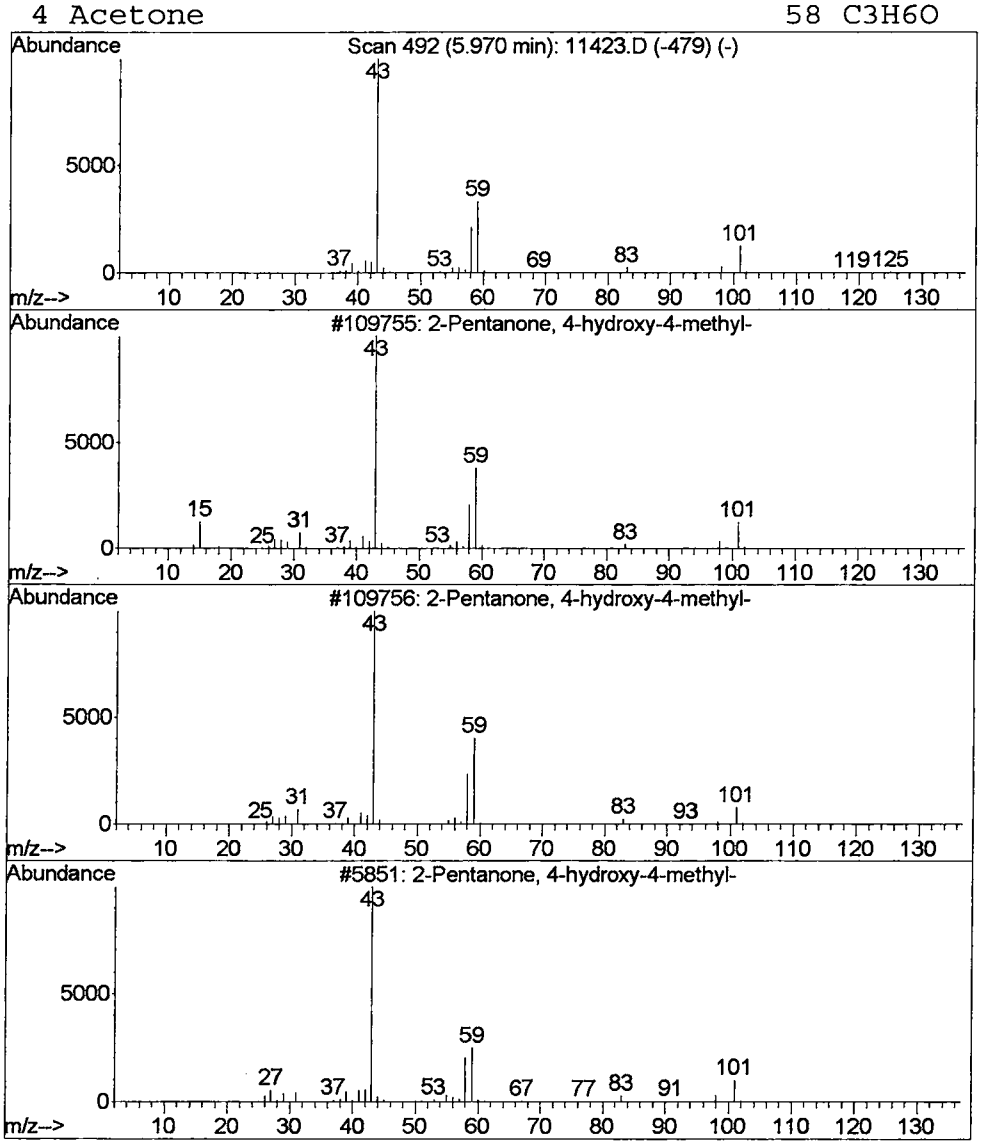
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

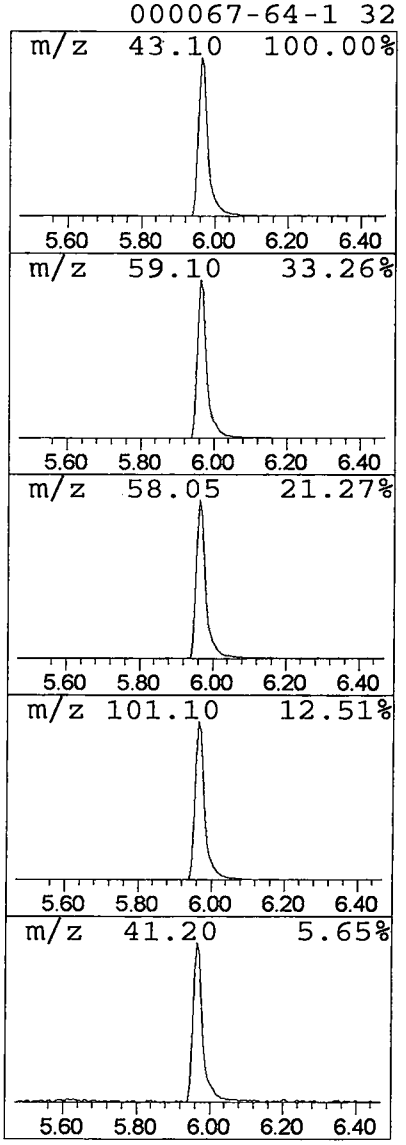
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.97	15.73 ug/L	12027500	1,4-Dichlorobenzene-d4	9.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	86
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	64
4	Acetone	58	C3H6O	000067-64-1	32





Library Search Compound Report

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Sample : 5/16 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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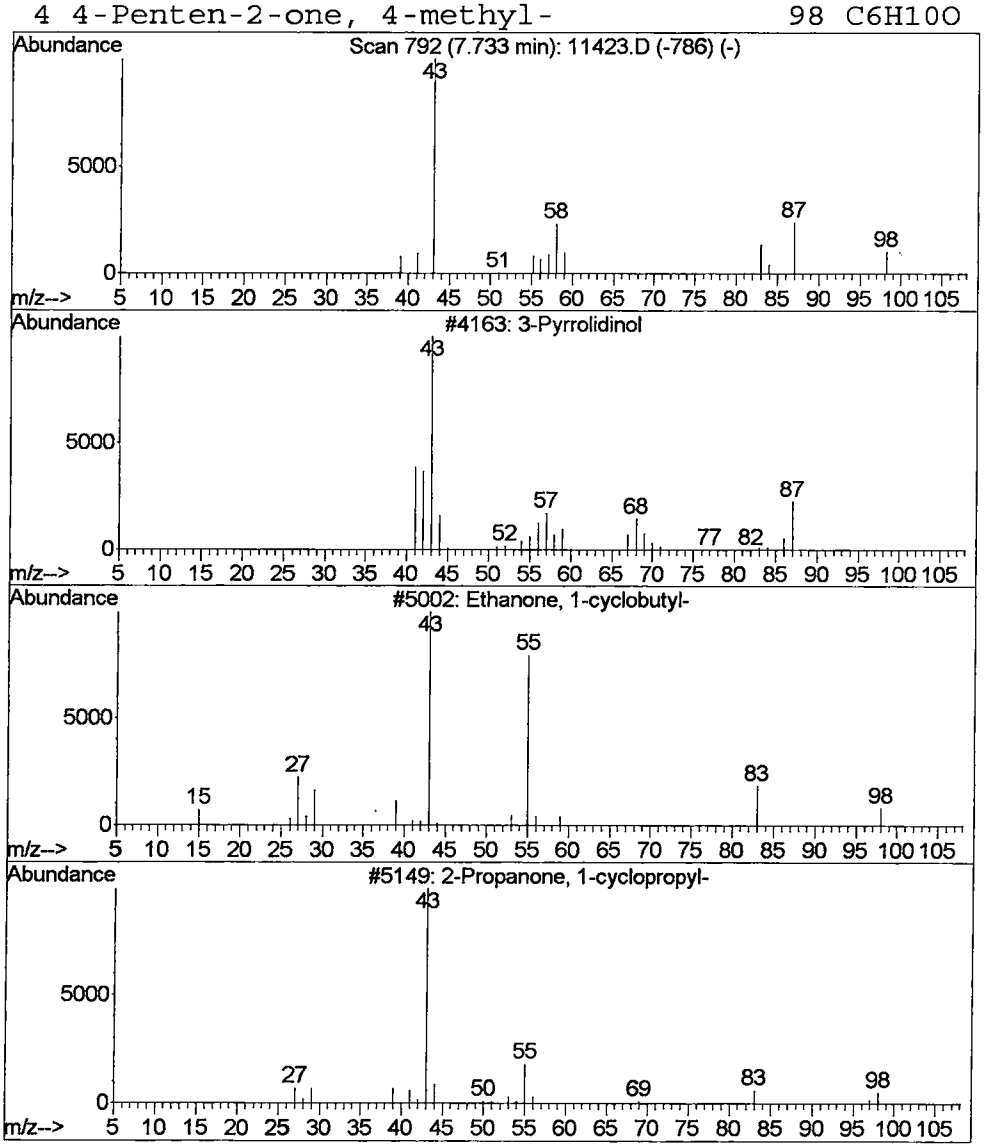
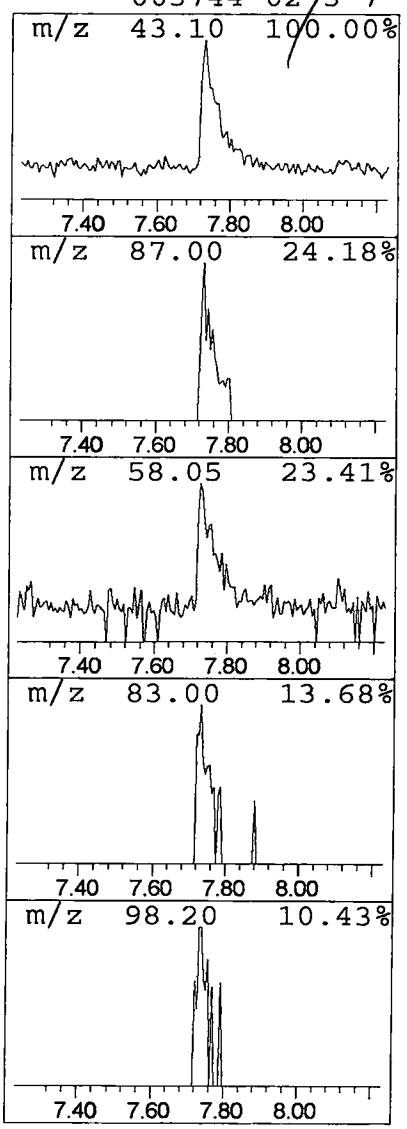
Peak Number 4 3-Pyrrolidinol Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.73	0.27 ug/L	206384	1,4-Dichlorobenzene-d4	9.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Pyrrolidinol	87	C4H9NO	040499-83-0	9
2	Ethanone, 1-cyclobutyl-	98	C6H10O	003019-25-8	7
3	2-Propanone, 1-cyclopropyl-	98	C6H10O	004160-75-2	7
4	4-Penten-2-one, 4-methyl-	98	C6H10O	003744-02-3	7





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Sample : 5/16 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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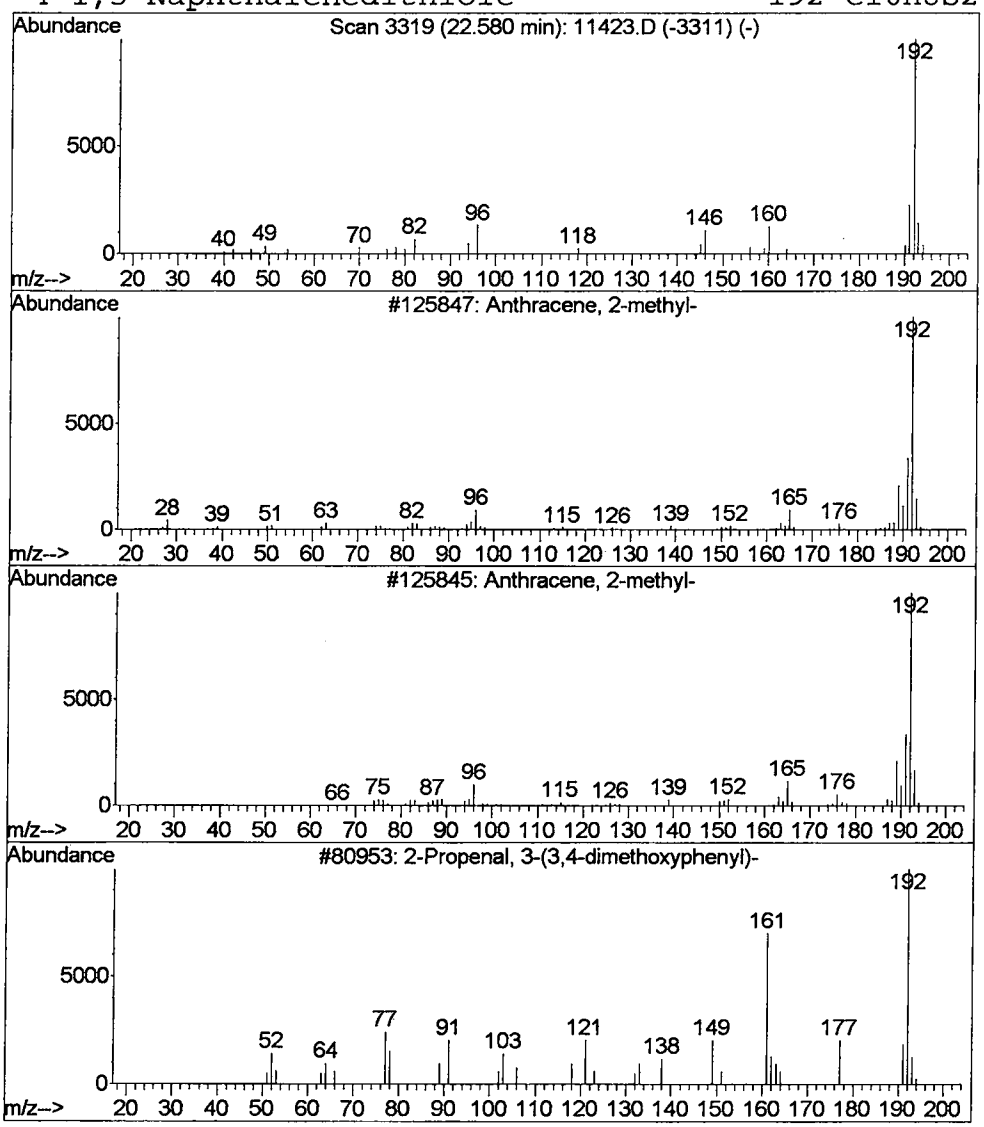
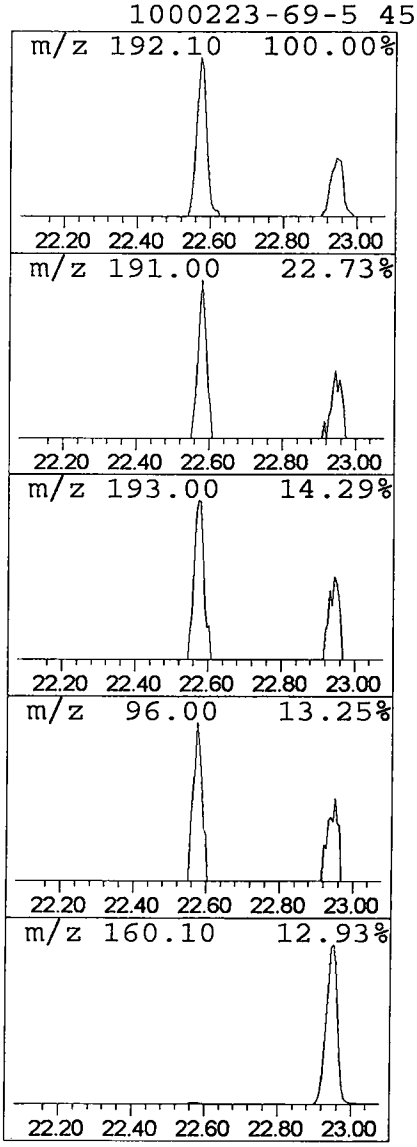
Peak Number 5 Anthracene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.58	0.28 ug/L	310188	Phenanthranene-d10	22.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	59
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	45
3	2-Propenal, 3-(3,4-dimethoxyphen...	192	C11H12O3	004497-40-9	45
4	1,5-Naphthalenedithiole	192	C10H8S2	1000223-69-5	45





Library Search Compound Report

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Acq On : 20 May 2002 11:03 pm Operator: Mclean
Sample : 5/16 eh Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

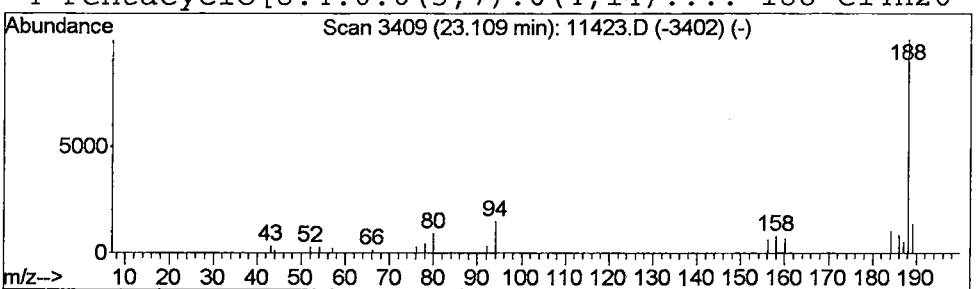
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

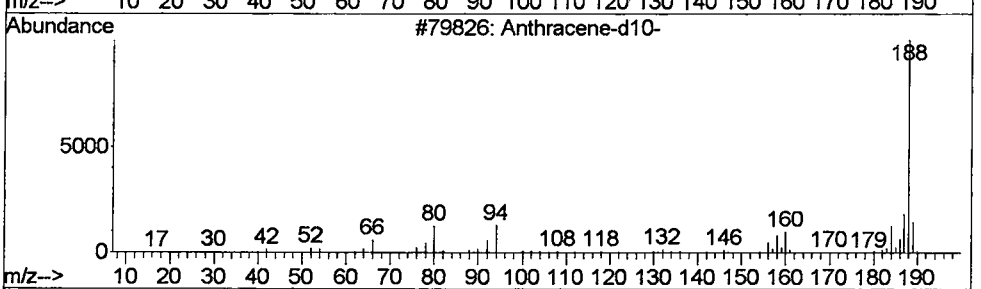
****

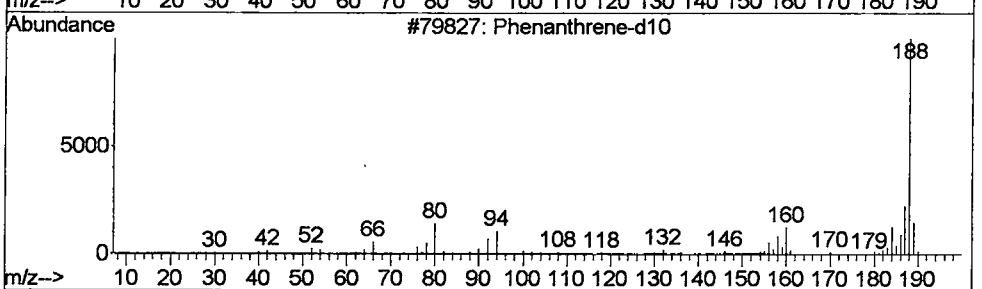
Peak Number 6 Anthracene-d10- Concentration Rank 2

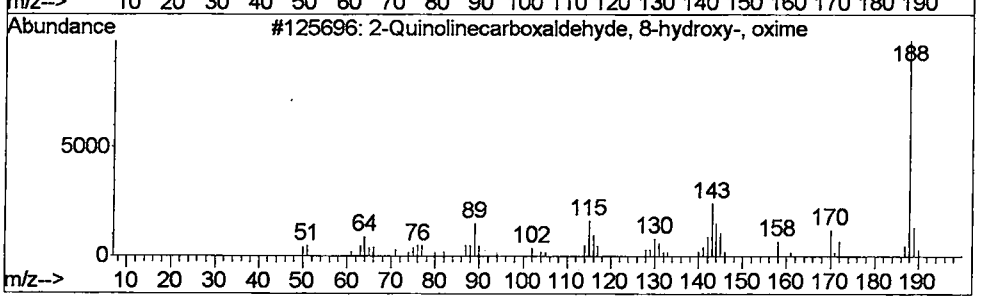
R.T.	EstConc	Area	Relative to ISTD	R.T.
23.11	0.40 ug/L	438567	Phenanthranene-d10	22.95

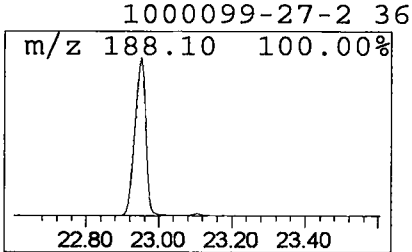
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene-d10-	188	C14D10	001719-06-8	91
2	Phenanthrene-d10	188	C14D10	001517-22-2	72
3	2-Quinolinecarboxaldehyde, 8-hyd...	188	C10H8N2O2	005603-22-5	40
4	Pentacyclo[8.4.0.0(3,7).0(4,14)....	188	C14H20	1000099-27-2	36

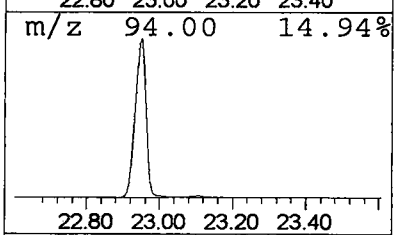


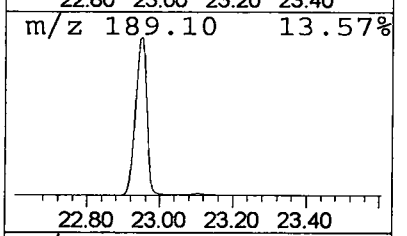


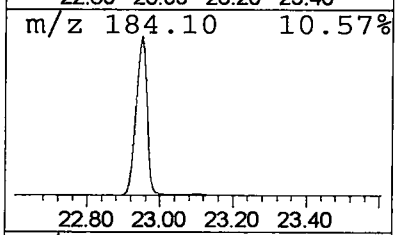


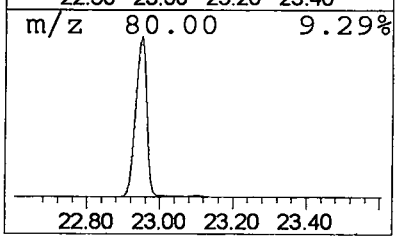












Tentatively Identified Compound (LSC) summary

Operator ID: Mclean Date Acquired: 20 May 2002 11:03 pm
Data File: C:\MSDCHEM\1\DATA\052002\11423.D
Name: 5/16 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
Acetonitrile, dic...	3.59	0.3	ug/L	249812	1	9.93	30581100	40.0
Methylene Chloride	3.71	0.4	ug/L	274075	1	9.93	30581100	40.0
2-Pentanone, 4-hy...	5.97	15.7	ug/L	12027500	1	9.93	30581100	40.0
3-Pyrrolidinol	7.73	0.3	ug/L	206384	1	9.93	30581100	40.0
Anthracene, 2-met...	22.58	0.3	ug/L	310188	4	22.95	44391400	40.0
Anthracene-d10-	23.11	0.4	ug/L	438567	4	22.95	44391400	40.0