User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 05/10/2002 Time: 11:03:52

Sample: AE10198
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 5/10/02 11:03 Ended: 5/10/02 11:03 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 AE10198 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 05-10-2002 Time: 11:04:15

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds. The recovery for 1 of the 43 compounds in the LCS Standard was low.

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\050802\10198.D Vial: 16
Acq On : 9 May 2002 3:38 am Operator: Mclean
Sample : 4/30 eh Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: May 09 09:35:38 2002 Quant Results File: 050102.RES

Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Last Update : Wed May 08 09:53:56 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	6262587	40.00	ug/L	0.00
10) Napthalene-d8	13.43	136	24882060	40.00	ug/L	0.00
17) Acenapthalene-d10	18.57	164	13539891	40.00	ug/L	0.00
29) Phenanthranene-d10	22.95	188	19565395	40.00	ug/L	0.00
37) Chrysene-d12	30.81	240	14821035	40.00	ug/L	0.00
43) Perylene-d12	34.71	264	9394732	40.00	ug/L	0.00
System Monitoring Compounds						
27) TCMX	20.54	209	690421	8.83	ug/L	0.00
Spiked Amount 10.000			Recovery = 88.30%			
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.	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

Quantitation Report (QT Reviewed)

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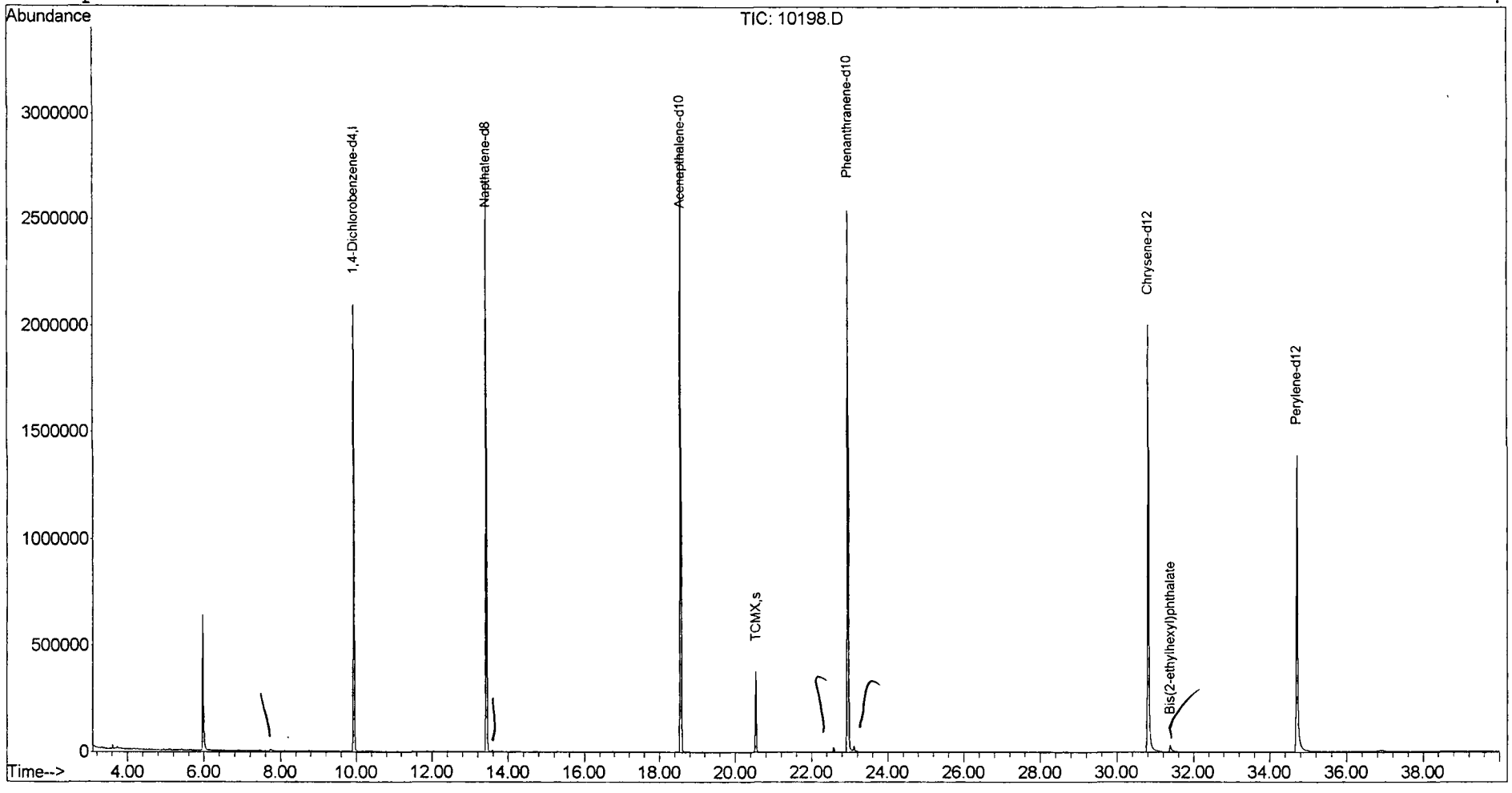
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
34)	Anthracene	0.00	178	0	N.D.	
35)	Di-n-butylphthalate	25.09	149	32568	N.D.	
36)	Fluoroanthene	0.00	202	0	N.D.	
38)	Pyrene	0.00	202	0	N.D.	
39)	Butylbenzylphthalate	0.00	149	0	N.D.	
40)	Benzo(a)anthracene	30.81	228	35090	N.D.	
41)	Bis(2-ethylhexyl)phthalate	31.38	149	245530	0.67 ug/L	97
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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\050802\10198.D Vial: 16
Acq On : 9 May 2002 3:38 am Operator: Mclean
Sample : 4/30 eh Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: May 9 13:34 2002 Quant Results File: 050102.RES

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



LSC Area Percent Report

Data File : C:\MSDCHEM\1\DATA\050802\10198.D
Acq On : 9 May 2002 3:38 am
Sample : 4/30 eh
Misc :
MS Integration Params: LSCINT.e

Vial: 16
Operator: Mclean
Inst : Instrumen
Multiplr: 1.00

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

Signal : TIC

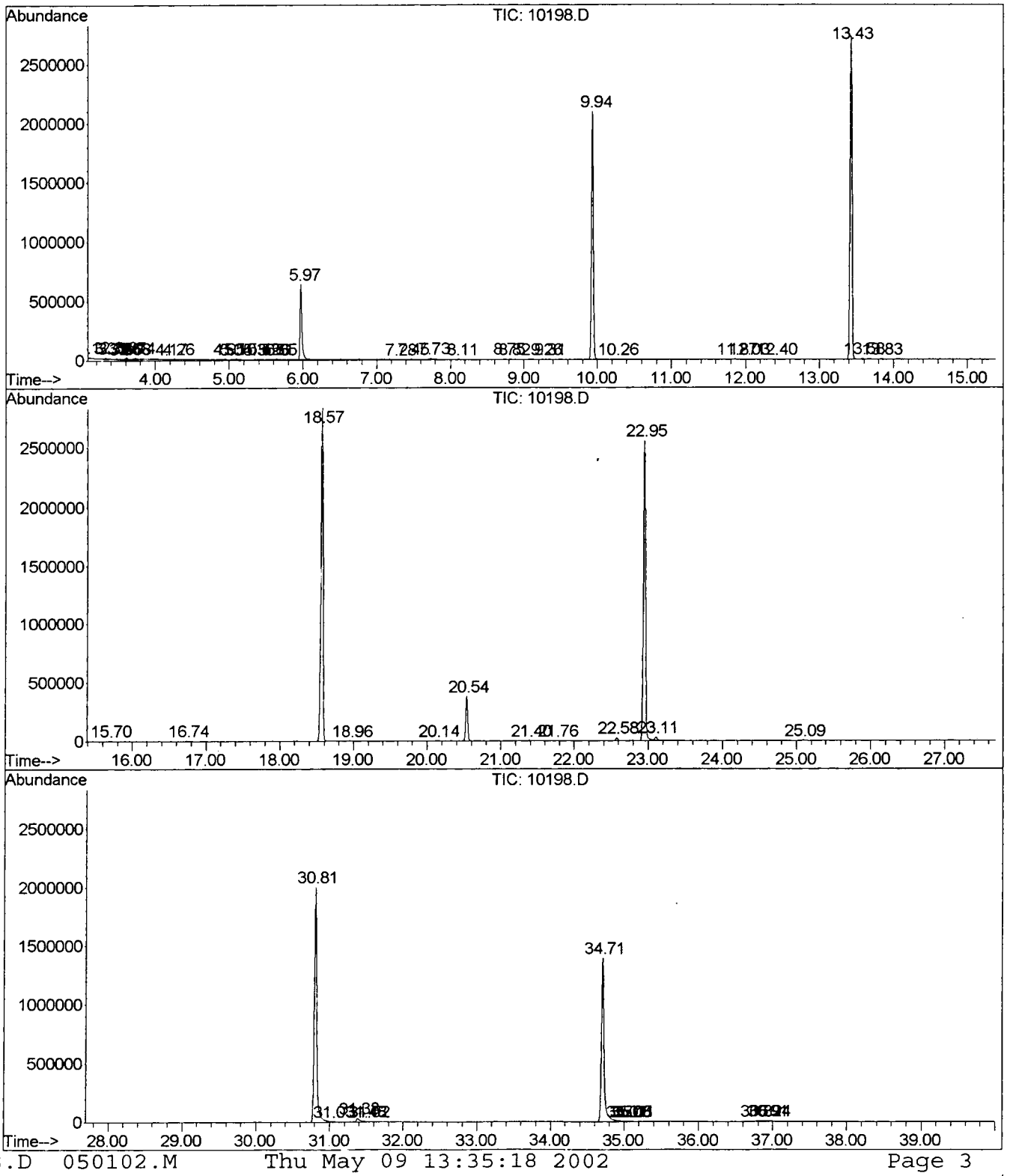
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.114	3	6	21	BV 5	4559	94822	0.17%	0.031%
2	3.326	36	42	49	PV 4	8183	130545	0.24%	0.043%
3	3.379	49	51	55	VV 4	4467	59603	0.11%	0.020%
4	3.537	75	78	81	PV 4	1902	31551	0.06%	0.010%
5	3.608	85	90	97	PV 2	16279	251228	0.45%	0.083%
6	3.667	97	100	101	VV 2	3105	31122	0.06%	0.010%
7	3.684	101	103	105	VV 3	3921	49537	0.09%	0.016%
8	3.737	105	112	118	VV 2	10816	296835	0.54%	0.097%
9	4.166	178	185	190	VV 9	3721	95652	0.17%	0.031%
10	4.260	195	201	206	VV 7	3592	75935	0.14%	0.025%
11	4.948	313	318	327	VV 6	4758	85259	0.15%	0.028%
12	5.042	329	334	338	VV 8	2792	55516	0.10%	0.018%
13	5.100	338	344	352	VV 8	6835	162470	0.29%	0.053%
14	5.353	376	387	391	VV 6	2749	64921	0.12%	0.021%
15	5.418	391	398	403	VV 3	5475	128550	0.23%	0.042%
16	5.559	416	422	425	PV 5	2071	40264	0.07%	0.013%
17	5.611	425	431	432	VV 4	2340	42508	0.08%	0.014%
18	5.653	432	438	442	VV 6	3518	95145	0.17%	0.031%
19	5.970	473	492	526	VV	621458	11302986	20.40%	3.712%
20	7.280	711	715	718	PV 5	1844	29029	0.05%	0.010%
21	7.445	739	743	753	VV 6	3487	77225	0.14%	0.025%
22	7.733	789	792	809	VV 3	8382	254625	0.46%	0.084%
23	8.114	851	857	867	VV 9	2043	59070	0.11%	0.019%
24	8.749	958	965	973	PV 4	4504	92256	0.17%	0.030%
25	8.820	973	977	984	VV 5	3079	55907	0.10%	0.018%
26	9.260	1040	1052	1056	BV 4	2558	36494	0.07%	0.012%
27	9.307	1056	1060	1070	VV 5	2393	50157	0.09%	0.016%
28	9.936	1158	1167	1185	PV	2055192	37973219	68.52%	12.471%
29	10.259	1219	1222	1225	PV 3	1431	14778	0.03%	0.005%
30	11.863	1487	1495	1500	VV 4	4239	70893	0.13%	0.023%
31	12.033	1519	1524	1535	VV 5	2663	66060	0.12%	0.022%
32	12.404	1581	1587	1593	PV 5	1813	35143	0.06%	0.012%
33	13.432	1751	1762	1781	VV	2750199	50933626	91.91%	16.728%
34	13.585	1781	1788	1799	VV 3	8777	186955	0.34%	0.061%
35	13.831	1823	1830	1842	VV 7	3230	76991	0.14%	0.025%
36	15.694	2142	2147	2156	VV 4	2639	54726	0.10%	0.018%
37	16.746	2321	2326	2335	PV 2	4217	80513	0.15%	0.026%

38	18.567	2620	2636	2653	PV		2797522	55415977	100.00%	18.200%
39	18.967	2693	2704	2714	VV	4	2289	55982	0.10%	0.018%
40	20.142	2900	2904	2910	VV	2	1881	32894	0.06%	0.011%
41	20.535	2959	2971	2982	PV		376968	6776527	12.23%	2.226%
42	21.393	3105	3117	3125	PV	6	2115	45053	0.08%	0.015%
43	21.758	3169	3179	3192	PV	3	2264	51279	0.09%	0.017%
44	22.580	3304	3319	3327	PV		23401	432517	0.78%	0.142%
45	22.950	3365	3382	3403	PV	2	2520666	53886053	97.24%	17.697%
46	23.109	3403	3409	3427	VV		28061	674349	1.22%	0.221%
47	25.095	3740	3747	3758	PV	2	2545	57340	0.10%	0.019%
48	30.806	4707	4719	4756	PV	2	1977284	46427505	83.78%	15.248%
49	31.035	4756	4758	4772	VV	6	6563	271611	0.49%	0.089%
50	31.382	4808	4817	4832	VV	2	32154	1055609	1.90%	0.347%
51	31.476	4832	4833	4838	VV	5	5007	86771	0.16%	0.028%
52	31.517	4838	4840	4843	VV	2	3649	51533	0.09%	0.017%
53	34.707	5371	5383	5434	PV		1380263	35169723	63.46%	11.551%
54	35.013	5434	5435	5442	VV	4	4884	122481	0.22%	0.040%
55	35.066	5442	5444	5445	VV	2	3673	39475	0.07%	0.013%
56	35.083	5445	5447	5449	VV	3	3821	48916	0.09%	0.016%
57	35.113	5449	5452	5456	VV	4	3620	64979	0.12%	0.021%
58	36.817	5719	5742	5744	PV	6	3416	126128	0.23%	0.041%
59	36.917	5744	5759	5762	VV	6	5103	248375	0.45%	0.082%
60	36.940	5762	5763	5776	VV	10	4515	102725	0.19%	0.034%

Sum of corrected areas: 304485916

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\DATA\050802\10198.D
Operator : Mclean
Acquired : 9 May 2002 3:38 am using AcqMethod 508SCAN
Instrument : Instrumen
Sample Name: 4/30 eh
Misc Info :
Vial Number: 16
Quant File :050102.RES (Chemstation Integrator)



Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\050802\10198.D
Acq On : 9 May 2002 3:38 am
Sample : 4/30 eh
Misc :
MS Integration Params: LSCINT.e

Vial: 16
Operator: Mclean
Inst : Instrumen
Multiplr: 1.00

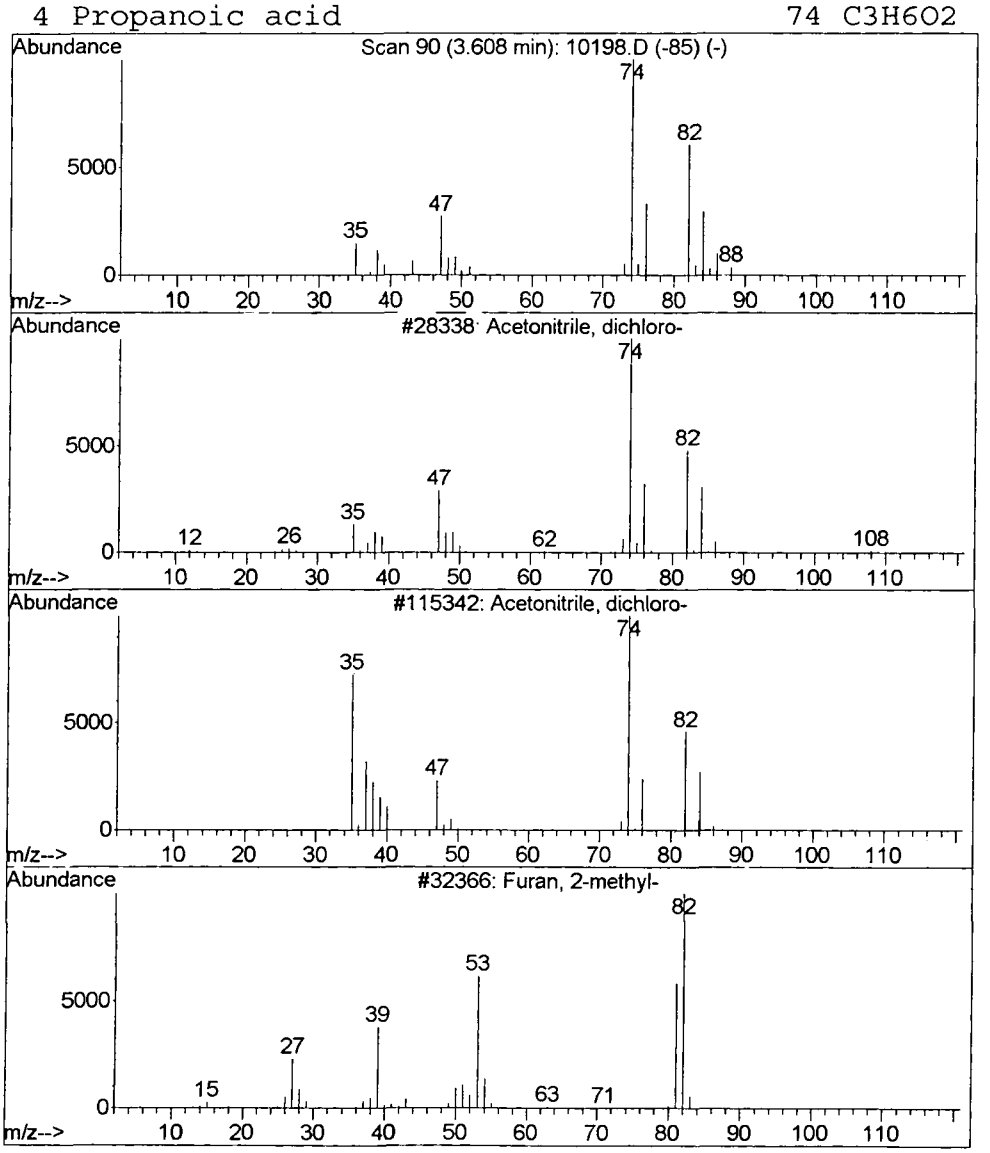
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

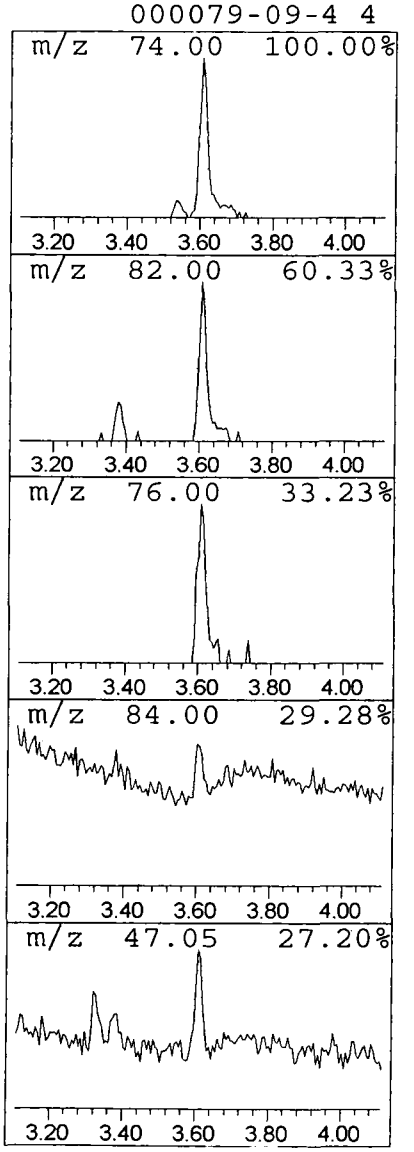
****

Peak Number 1 Acetonitrile, dichloro- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.61	0.26 ug/L	251228	1,4-Dichlorobenzene-d4	9.94

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	56
3	Furan, 2-methyl-	82	C5H6O	000534-22-5	5
4	Propanoic acid	74	C3H6O2	000079-09-4	4





Library Search Compound Report

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Acq On : 9 May 2002 3:38 am Operator: Mclean
Sample : 4/30 eh Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
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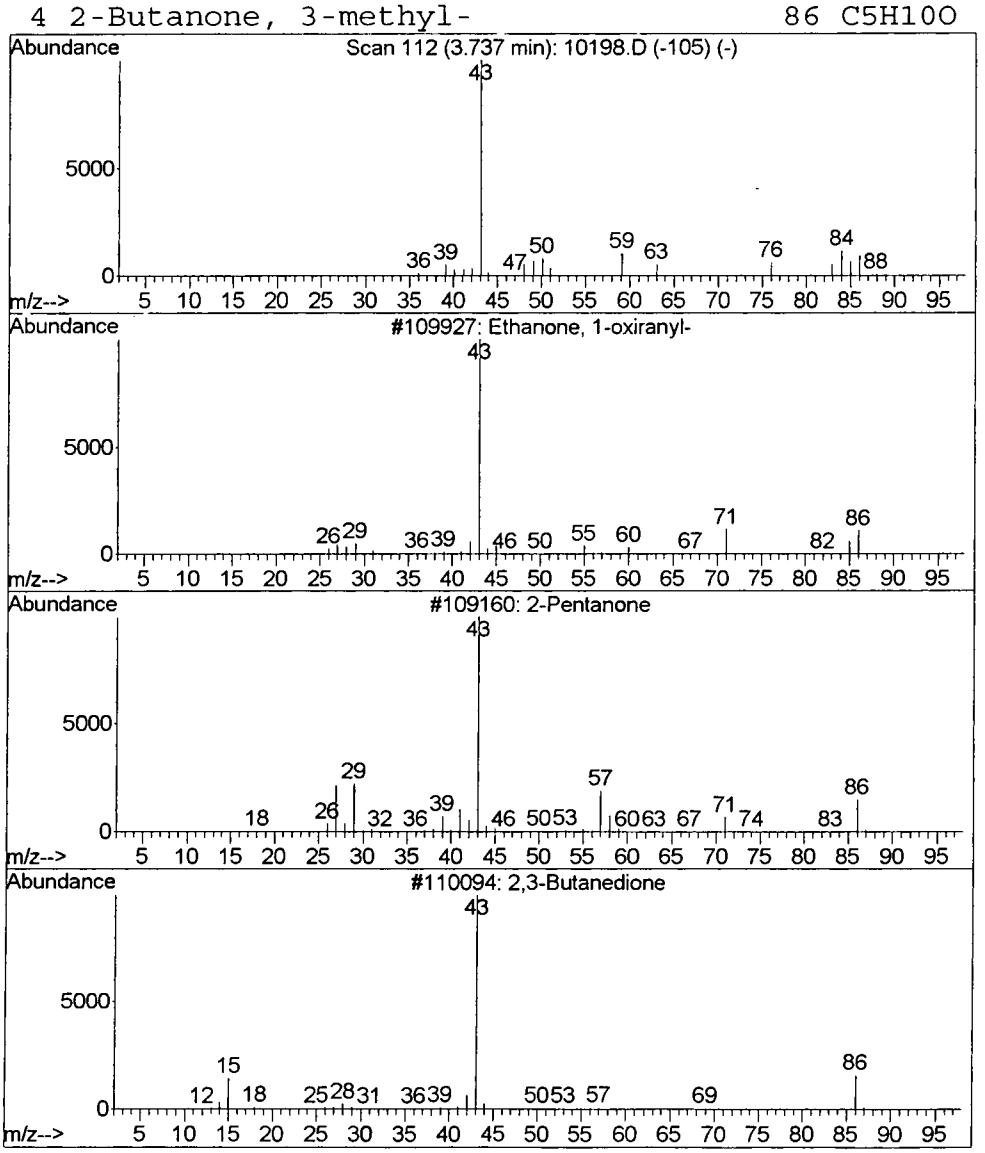
Library : C:\DATABASE\NIST98.L

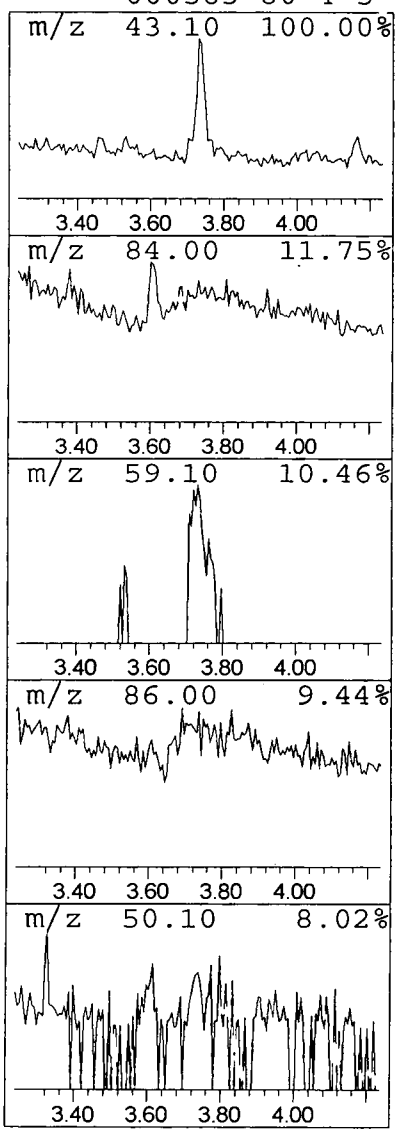
****

Peak Number 2 Ethanone, 1-oxiranyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.74	0.31 ug/L	296835	1,4-Dichlorobenzene-d4	9.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanone, 1-oxiranyl-	86	C4H6O2	004401-11-0	9
2	2-Pentanone	86	C5H10O	000107-87-9	5
3	2,3-Butanedione	86	C4H6O2	000431-03-8	5
4	2-Butanone, 3-methyl-	86	C5H10O	000563-80-4	5





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Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
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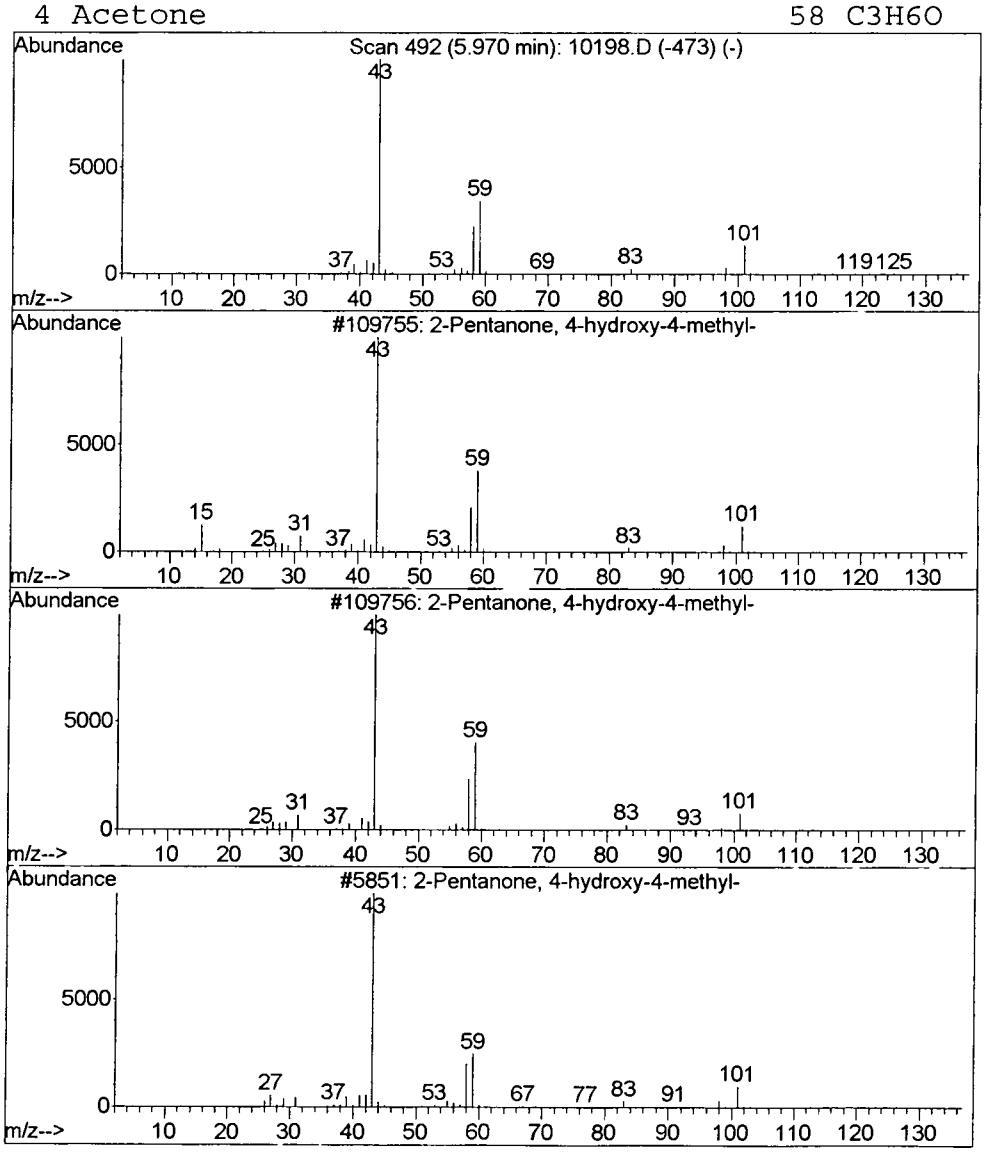
Library : C:\DATABASE\NIST98.L

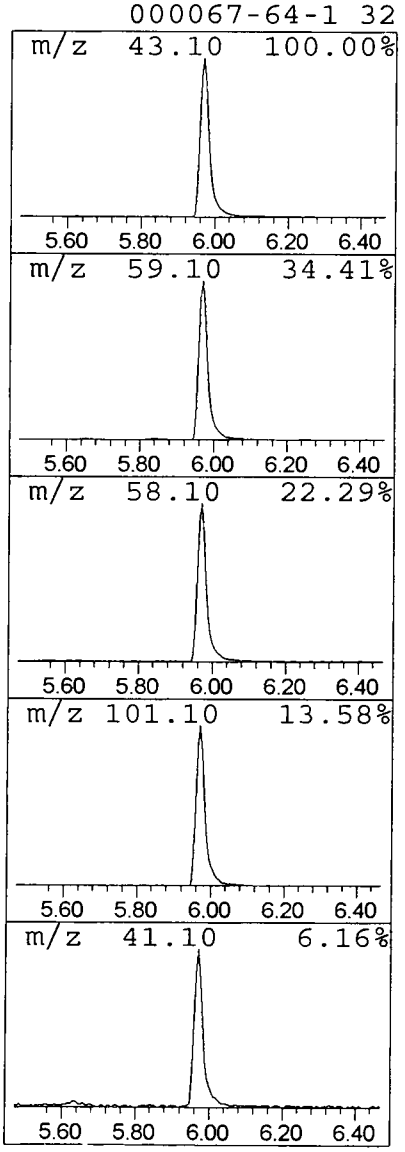
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.97	11.91 ug/L	11303000	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	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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Acq On : 9 May 2002 3:38 am Operator: Mclean
Sample : 4/30 eh Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

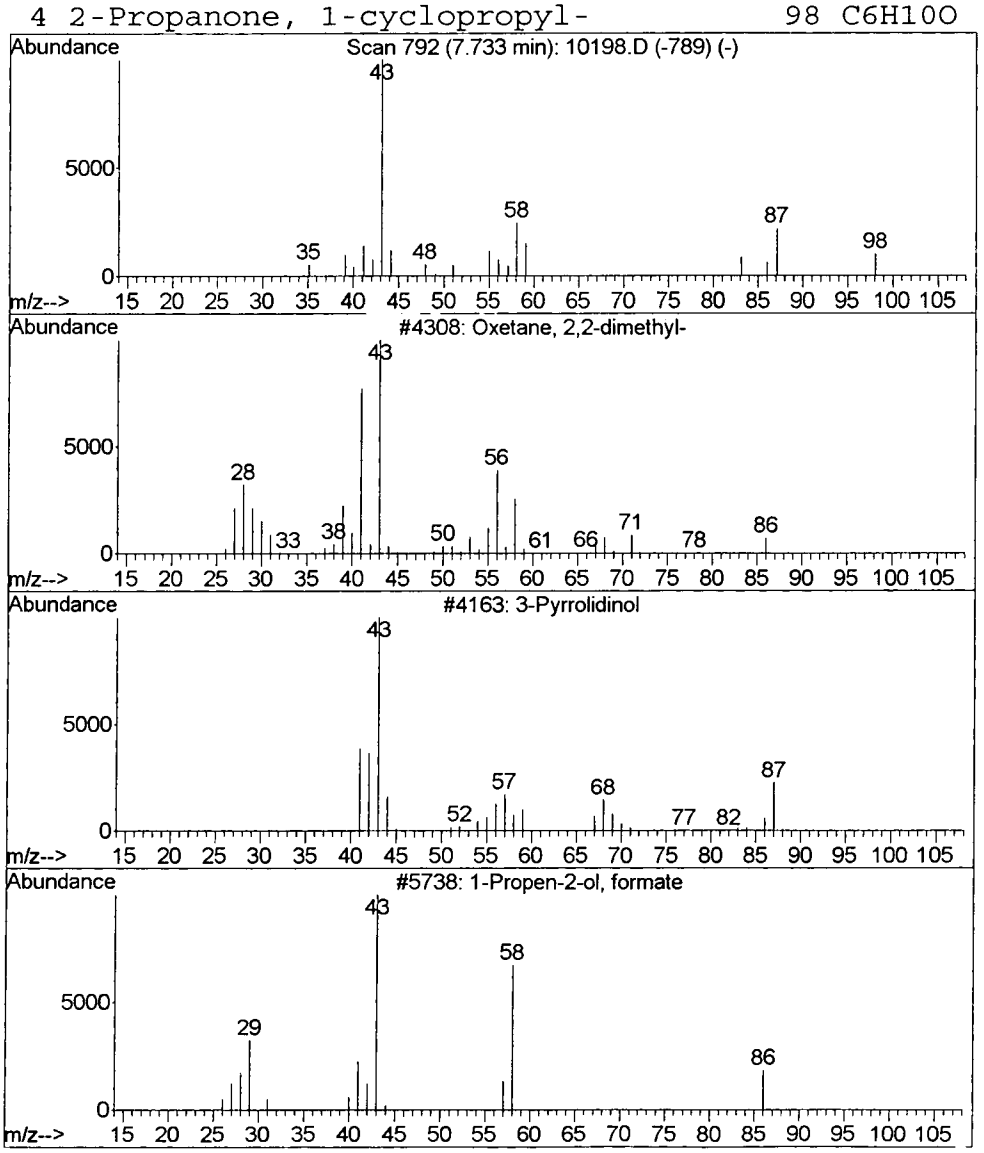
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

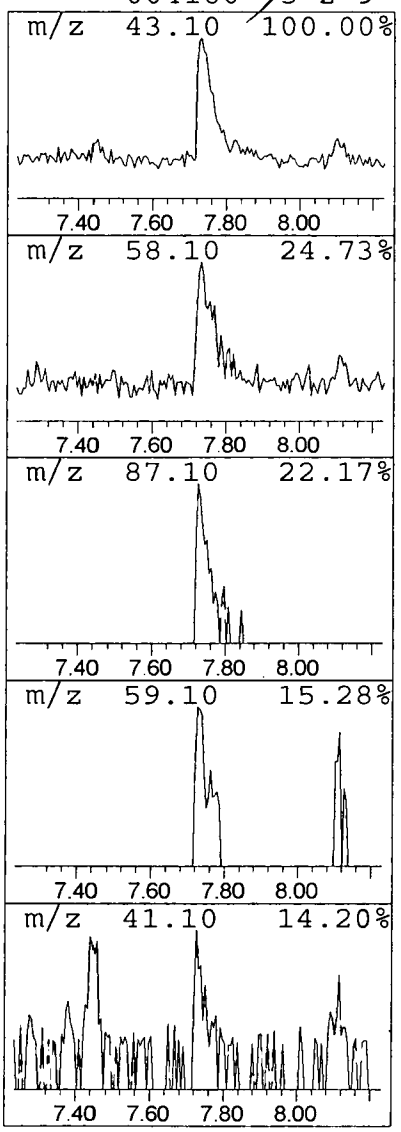
****

Peak Number 4 Oxetane, 2,2-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.73	0.27 ug/L	254625	1,4-Dichlorobenzene-d4	9.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxetane, 2,2-dimethyl-	86	C5H10O	006245-99-4	9
2	3-Pyrrolidinol	87	C4H9NO	040499-83-0	9
3	1-Propen-2-ol, formate	86	C4H6O2	032978-00-0	9
4	2-Propanone, 1-cyclopropyl-	98	C6H10O	004160-75-2	9





Library Search Compound Report

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Acq On : 9 May 2002 3:38 am Operator: Mclean
Sample : 4/30 eh Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

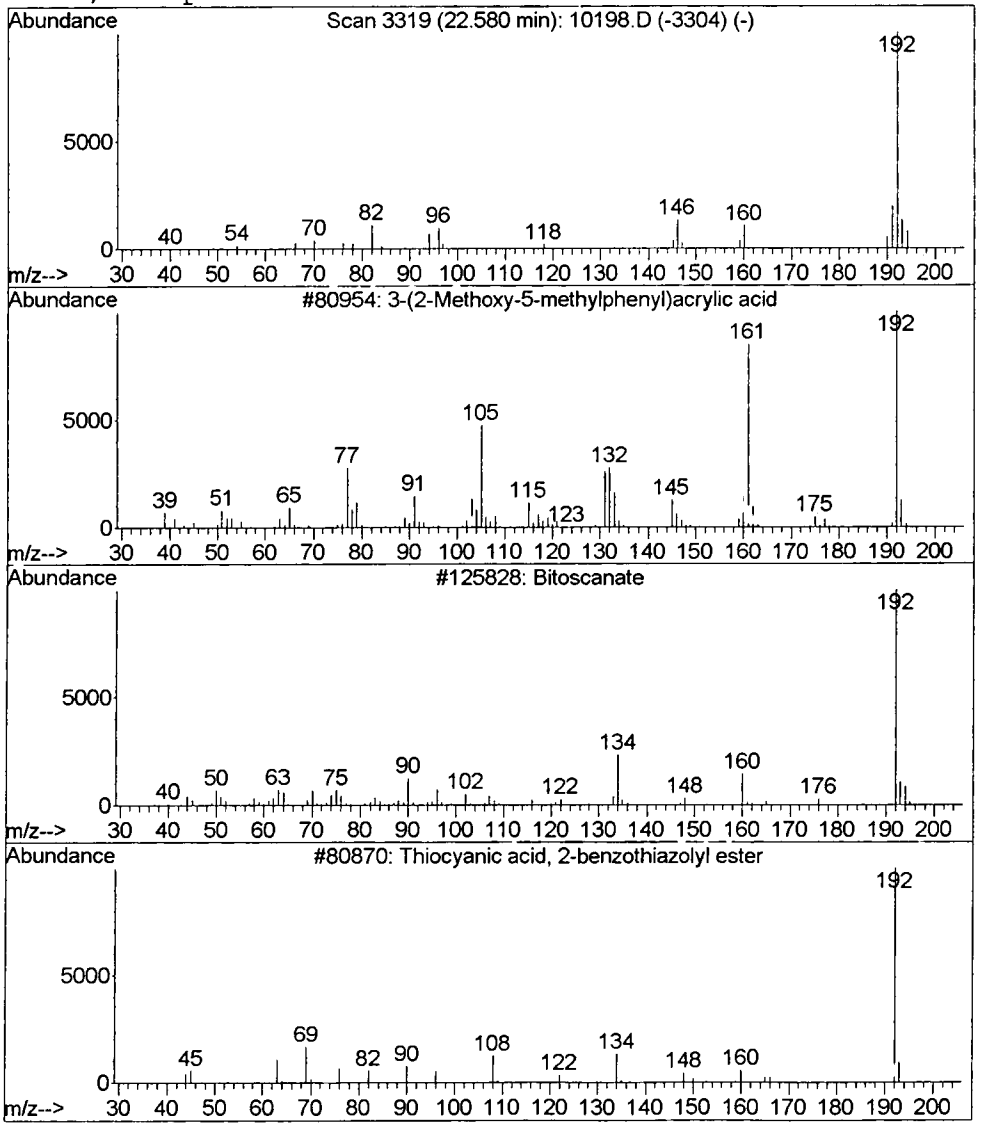
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

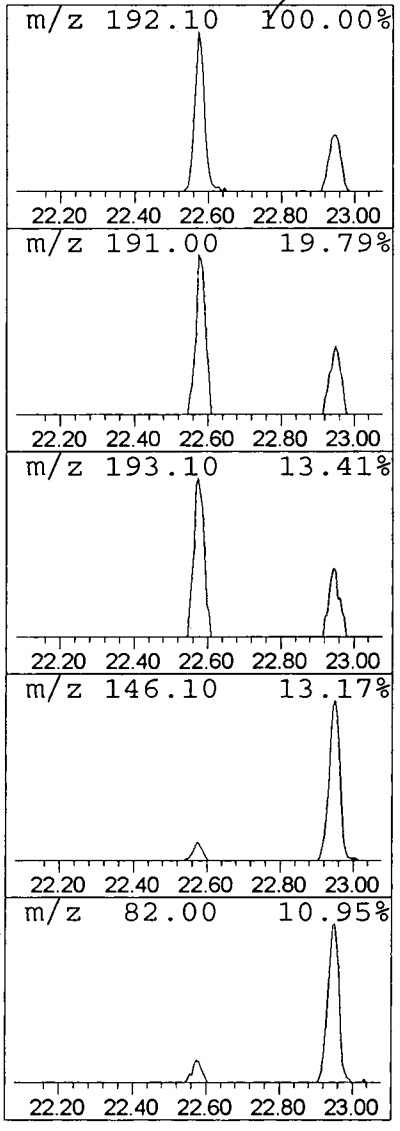
****

Peak Number 5 3-(2-Methoxy-5-methylphenyl... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.58	0.32 ug/L	432517	Phenanthranene-d10	22.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-(2-Methoxy-5-methylphenyl)acry...	192	C11H12O3	103986-76-1	53
2	Bitoscanate	192	C8H4N2S2	004044-65-9	52
3	Thiocyanic acid, 2-benzothiazoly...	192	C8H4N2S2	006011-99-0	50
4	1,5-Naphthalenedithiole	192	C10H8S2	1000223-69-5	45





Library Search Compound Report

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Acq On : 9 May 2002 3:38 am Operator: Mclean
Sample : 4/30 eh Inst : Instrumen
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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

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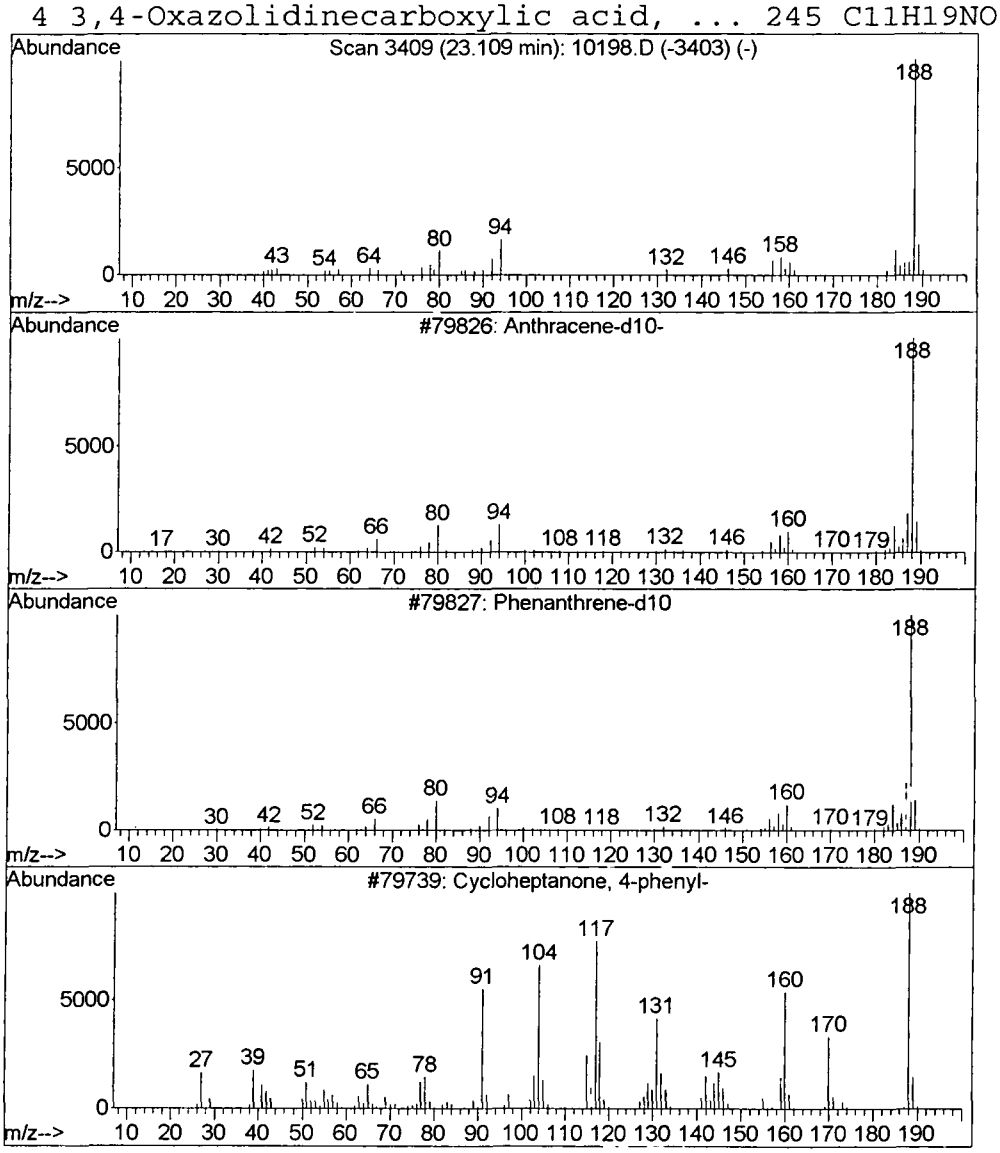
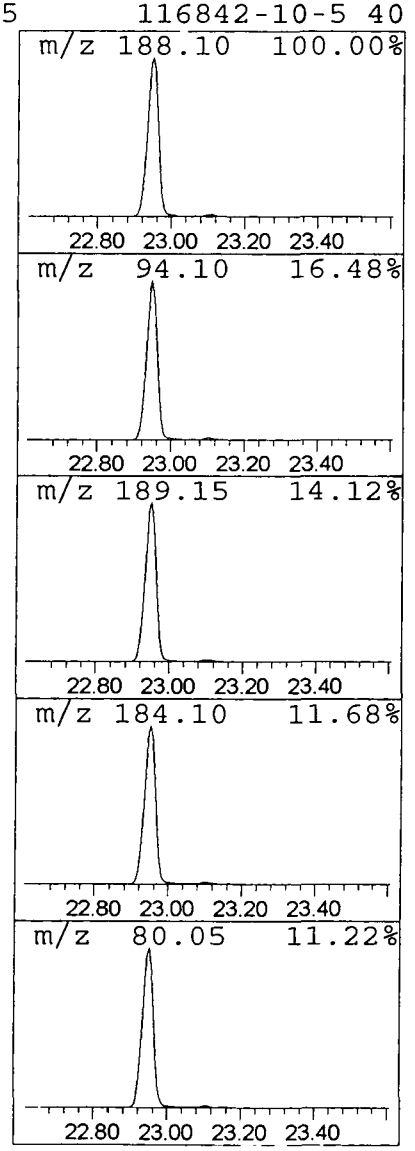
Peak Number 6 Anthracene-d10- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.11	0.50 ug/L	674349	Phenanthranene-d10	22.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene-d10-	188	C14D10	001719-06-8	87
2	Phenanthrene-d10	188	C14D10	001517-22-2	86
3	Cycloheptanone, 4-phenyl-	188	C13H16O	067688-28-2	50
4	3,4-Oxazolidinecarboxylic acid, ...	245	C11H19NO5	116842-10-5	40





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\050802\10198.D Vial: 16
Acq On : 9 May 2002 3:38 am Operator: Mclean
Sample : 4/30 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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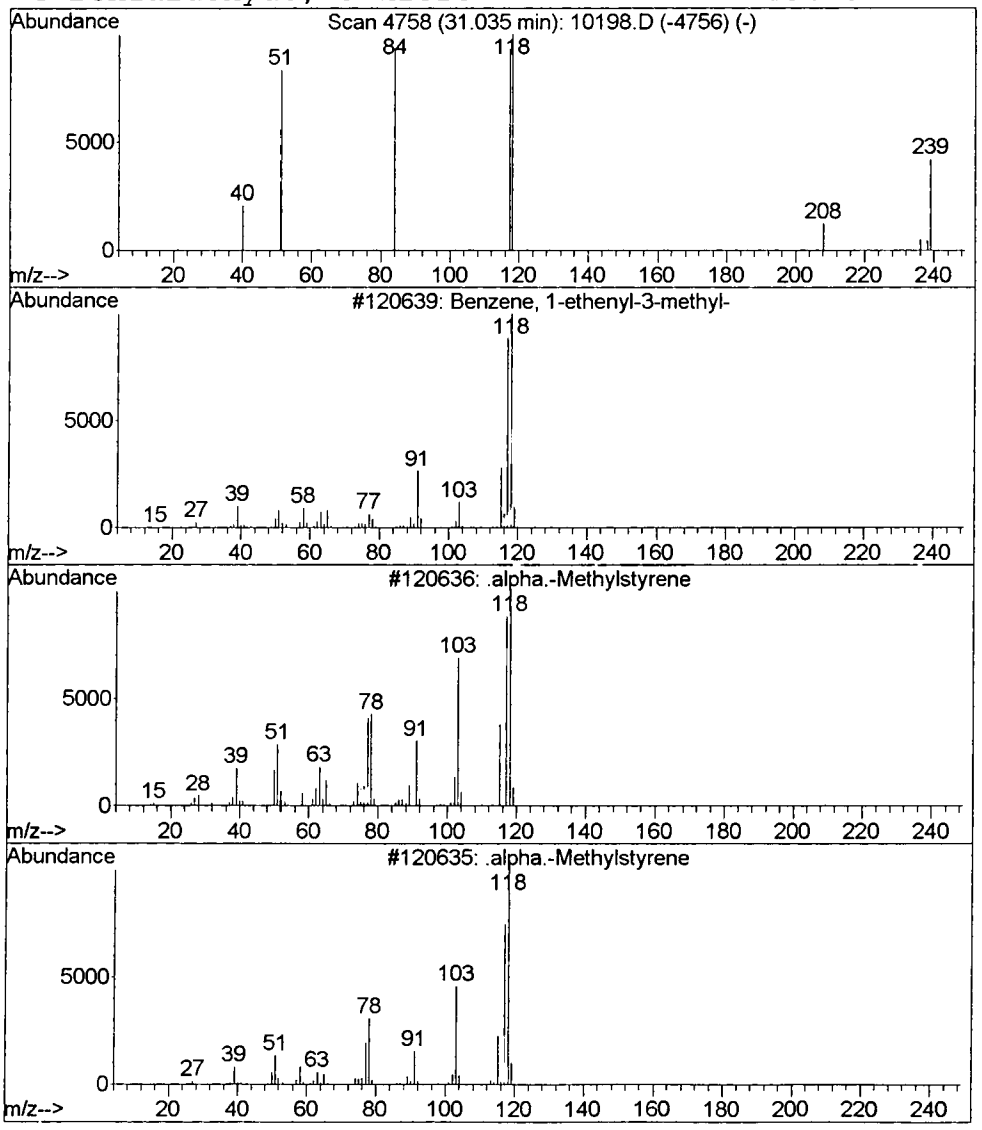
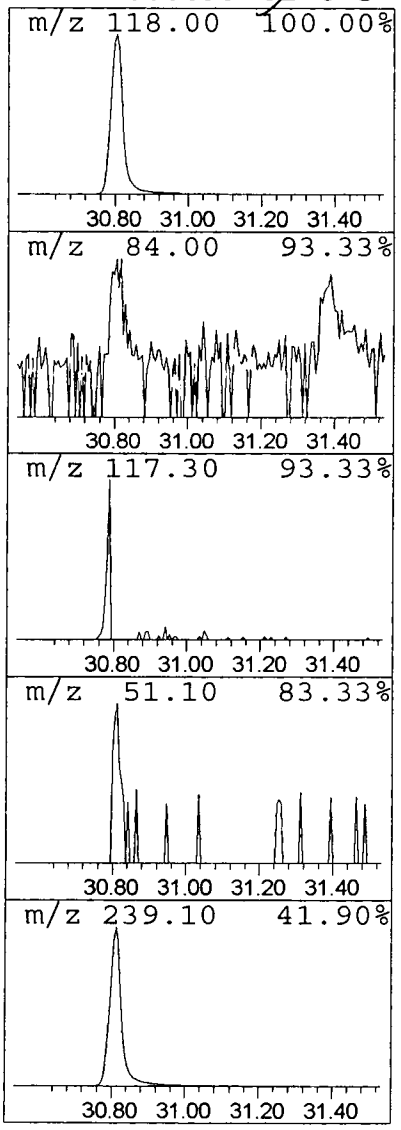
Peak Number 7 Benzene, 1-ethenyl-3-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
31.03	0.23 ug/L	271611	Chrysene-d12	30.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	5
2	.alpha.-Methylstyrene	118	C9H10	000098-83-9	5
3	.alpha.-Methylstyrene	118	C9H10	000098-83-9	5
4	Benzaldehyde, 3-nitro-	151	C7H5NO3	000099-61-6	5





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\050802\10198.D Vial: 16
Acq On : 9 May 2002 3:38 am Operator: Mclean
Sample : 4/30 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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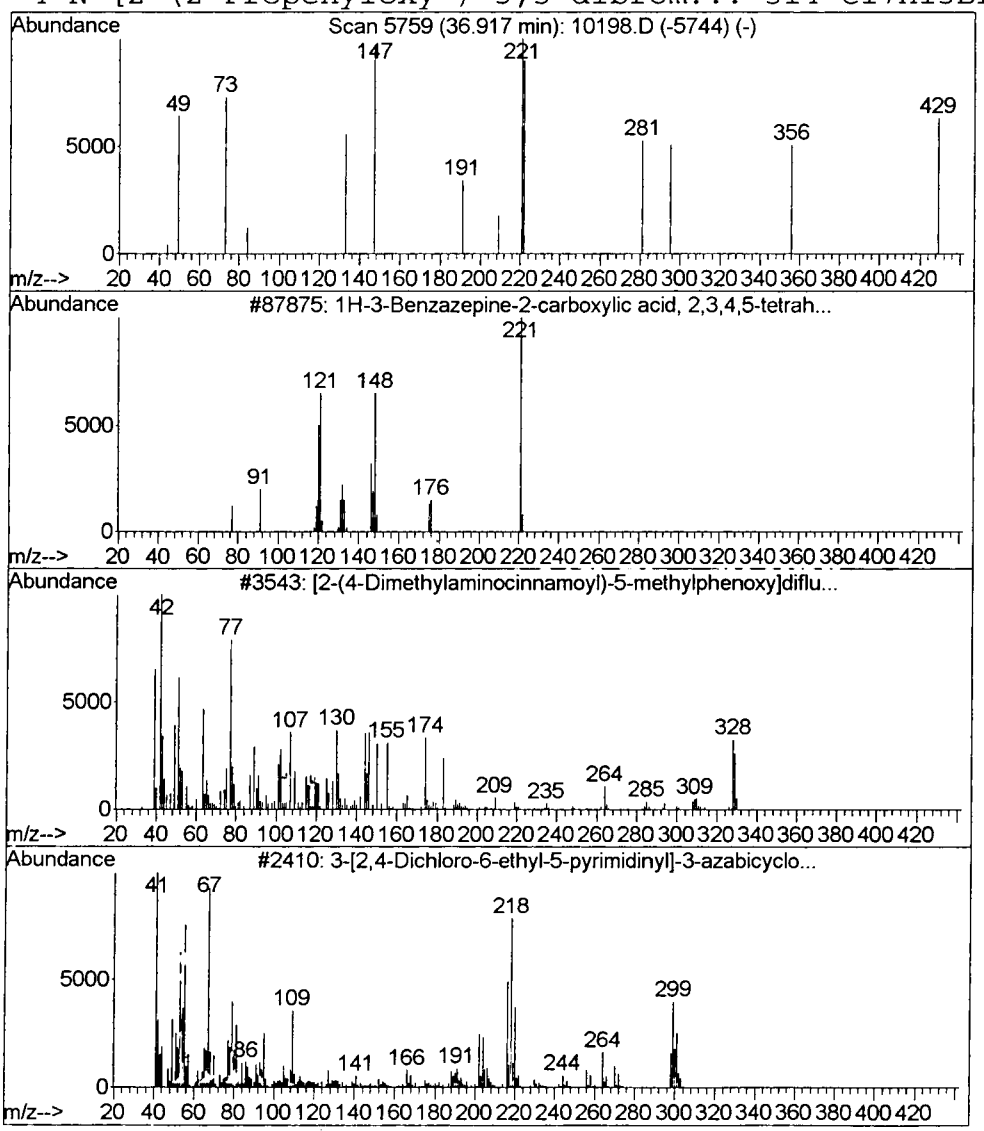
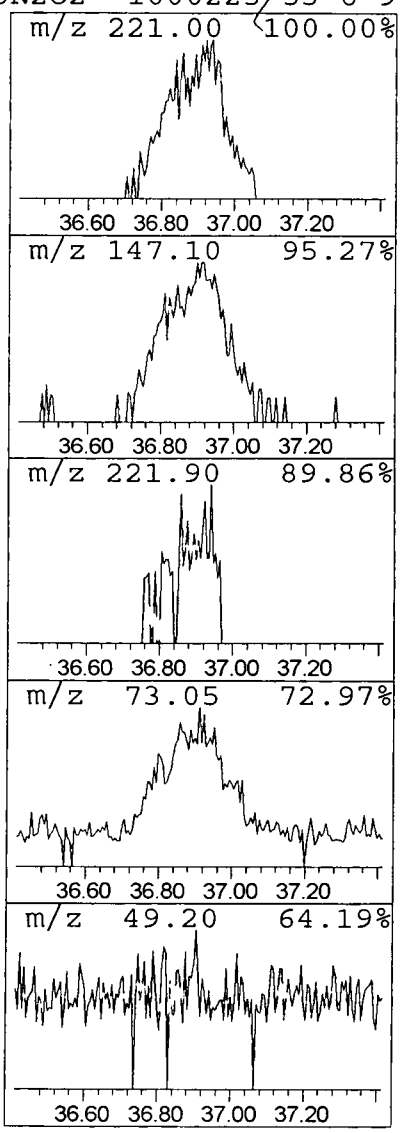
Peak Number 8 1H-3-Benzazepine-2-carboxyl... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
36.91	0.28 ug/L	248375	Perylene-d12	34.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-3-Benzazepine-2-carboxylic ac...	221	C11H11NO4	017639-47-3	9
2	[2-(4-Dimethylaminocinnamoyl)-5-...	329	C18H18BF2NO2	1000223-62-3	9
3	3-[2,4-Dichloro-6-ethyl-5-pyrimi...	299	C14H19Cl2N3	1000212-53-2	9
4	N-[2-(2-Propenyloxy-)-3,5-dibrom...	514	C17H13Br3N2O2	1000223-53-6	9





Tentatively Identified Compound (LSC) summary

Operator ID: Mclean Date Acquired: 9 May 2002 3:38 am
Data File: C:\MSDCHEM\1\DATA\050802\10198.D
Name: 4/30 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 #	Internal Standard RT	Internal Standard Resp	Internal Standard Conc
Acetonitrile, dic...	3.61	0.3	ug/L	251228	1	9.94	37973200	40.0
Ethanone, 1-oxira...	3.74	0.3	ug/L	296835	1	9.94	37973200	40.0
2-Pentanone, 4-hy...	5.97	11.9	ug/L	11303000	1	9.94	37973200	40.0
Oxetane, 2,2-dime...	7.73	0.3	ug/L	254625	1	9.94	37973200	40.0
3-(2-Methoxy-5-me...	22.58	0.3	ug/L	432517	4	22.95	53886100	40.0
Anthracene-d10-	23.11	0.5	ug/L	674349	4	22.95	53886100	40.0
Benzene, 1-etheny...	31.03	0.2	ug/L	271611	5	30.81	46427500	40.0
1H-3-Benzazepine-...	36.91	0.3	ug/L	248375	6	34.71	35169700	40.0