User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 05/10/2002 Time: 11:40:34

Sample: AE10200
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 5/10/02 11:39 Ended: 5/10/02 11:39 Analyst: DLV
Page: 1

	Component Name	Vol	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr_2,4-DDD		90		10.0

Comments for Sample AE10200 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 05-10-2002 Time: 11:40:57

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\10200.D Vial: 18
Acq On : 9 May 2002 5:16 am Operator: Mclean
Sample : 4/30 eh Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: May 09 09:35:58 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	9.93	152	5876945	40.00	ug/L	0.00
10) Napthalene-d8	13.43	136	23232872	40.00	ug/L	0.00
17) Acenapthalene-d10	18.57	164	12548692	40.00	ug/L	0.00
29) Phenanthranene-d10	22.95	188	17835937	40.00	ug/L	0.00
37) Chrysene-d12	30.81	240	12832394	40.00	ug/L	0.00
43) Perylene-d12	34.70	264	7681054	40.00	ug/L	0.00
System Monitoring Compounds						
27) TCMX	20.54	209	651354	8.98	ug/L	0.00
Spiked Amount 10.000			Recovery = 89.80%			
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)

Data File : C:\MSDCHEM\1\DATA\050802\10200.D Vial: 18
Acq On : 9 May 2002 5:16 am Operator: Mclean
Sample : 4/30 eh Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: May 09 09:35:58 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

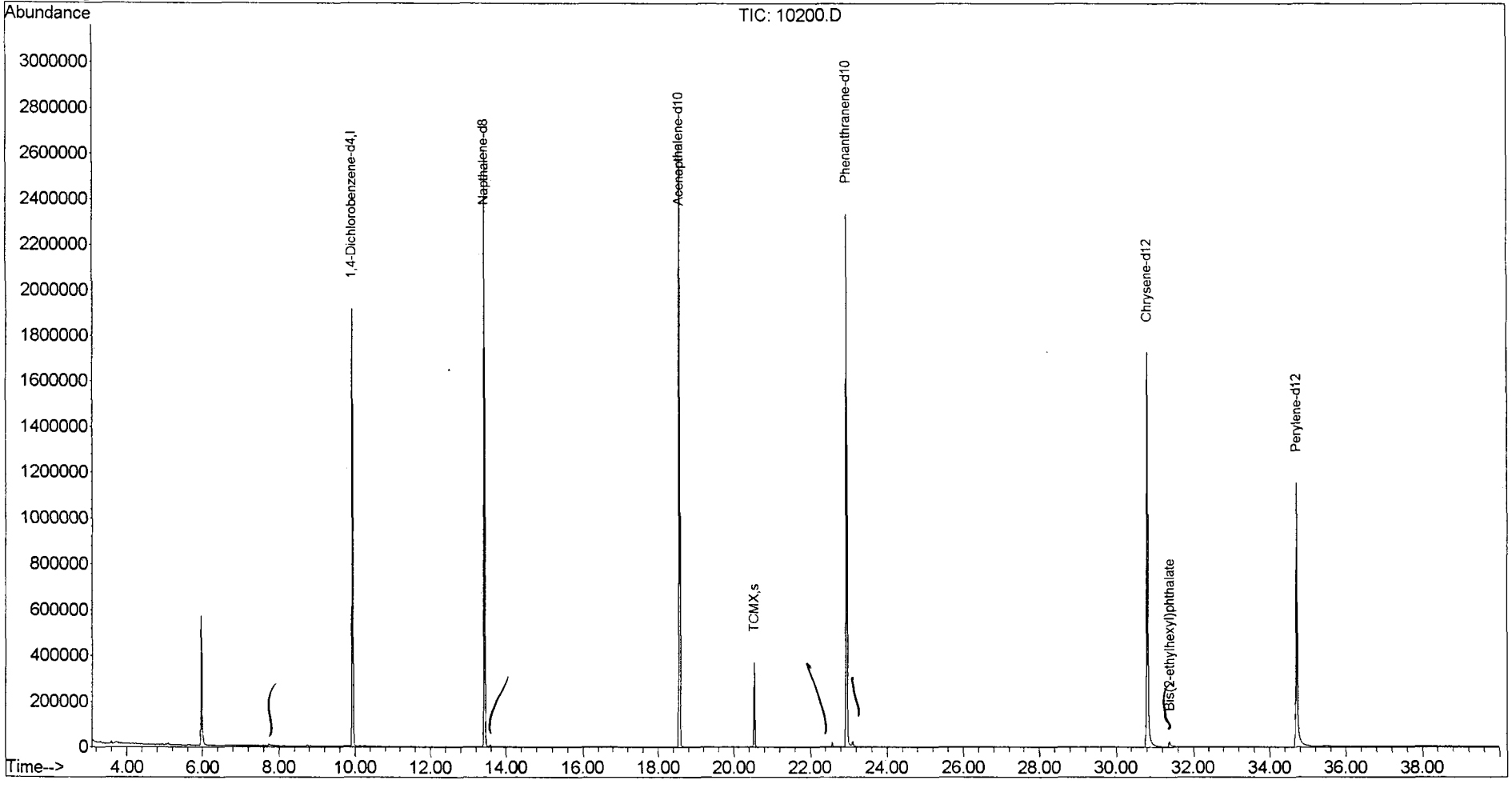
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
34)	Anthracene	0.00	178	0	N.D.	
35)	Di-n-butylphthalate	25.09	149	17060	N.D.	
36)	Fluoroanthene	0.00	202	0	N.D.	
38)	Pyrene	0.00	202	0	N.D.	
39)	Butylbenzylphthalate	0.00	149	0	N.D.	
40)	Benzo(a)anthracene	30.81	228	34491	N.D.	
41)	Bis(2-ethylhexyl)phthalate	31.38	149	177267	0.56 ug/L #	89
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\10200.D Vial: 18
Acq On : 9 May 2002 5:16 am Operator: Mclean
Sample : 4/30 eh Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: May 9 13:36 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\10200.D Vial: 18
Acq On : 9 May 2002 5:16 am Operator: Mclean
Sample : 4/30 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

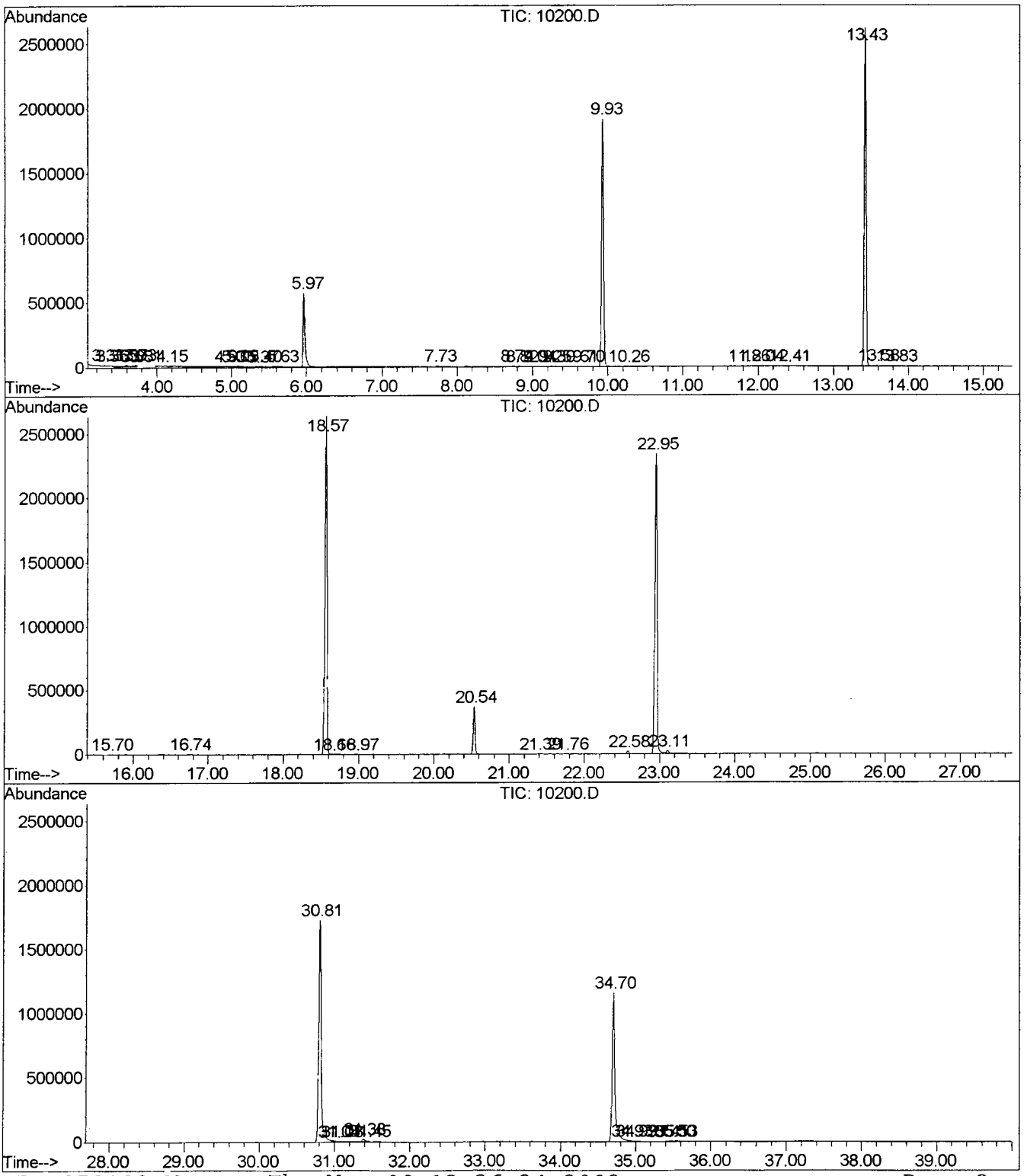
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.308	31	39	45	PV 5	6058	94560	0.18%	0.035%
2	3.355	45	47	58	VV 8	1945	43453	0.08%	0.016%
3	3.596	82	88	94	PV 2	9544	145590	0.28%	0.053%
4	3.679	94	102	103	PV 5	3335	50124	0.10%	0.018%
5	3.726	103	110	122	VV 6	8925	352375	0.69%	0.129%
6	3.808	122	124	128	VV 4	4009	66033	0.13%	0.024%
7	4.149	180	182	192	VV 7	4025	89790	0.17%	0.033%
8	4.936	312	316	326	VV 6	4436	88526	0.17%	0.032%
9	5.030	326	332	337	VV 5	3448	69569	0.14%	0.025%
10	5.089	337	342	358	VV 6	7142	215476	0.42%	0.079%
11	5.371	380	390	391	VV 6	1921	44421	0.09%	0.016%
12	5.406	391	396	402	VV 5	3734	70941	0.14%	0.026%
13	5.635	430	435	443	VV 8	3689	102422	0.20%	0.037%
14	5.964	482	491	517	VV	553601	10198409	19.83%	3.725%
15	7.733	787	792	804	PV 2	7404	208260	0.40%	0.076%
16	8.743	954	964	972	PV 7	6170	148731	0.29%	0.054%
17	8.814	972	976	984	VV 7	3784	89271	0.17%	0.033%
18	9.043	1007	1015	1021	VV 7	1877	51404	0.10%	0.019%
19	9.249	1043	1050	1057	VV 5	2987	64201	0.12%	0.023%
20	9.307	1057	1060	1071	VV 6	2218	64025	0.12%	0.023%
21	9.607	1108	1111	1116	VV 4	2029	36751	0.07%	0.013%
22	9.695	1122	1126	1131	VV 6	2329	50964	0.10%	0.019%
23	9.936	1157	1167	1185	VV	1873181	35599255	69.22%	13.001%
24	10.259	1213	1222	1228	PV 6	3405	60466	0.12%	0.022%
25	11.863	1488	1495	1502	VV 5	2591	47387	0.09%	0.017%
26	12.040	1519	1525	1536	VV 3	1888	44915	0.09%	0.016%
27	12.404	1583	1587	1593	PV	2477	35665	0.07%	0.013%
28	13.432	1747	1762	1779	PV	2591770	47551007	92.47%	17.366%
29	13.585	1779	1788	1796	VV 2	7651	166370	0.32%	0.061%
30	13.826	1817	1829	1834	PV 5	2460	42739	0.08%	0.016%
31	15.700	2139	2148	2159	BV 6	2488	50108	0.10%	0.018%
32	16.746	2321	2326	2336	VV 3	4901	84166	0.16%	0.031%
33	18.567	2625	2636	2651	PV	2611921	51425556	100.00%	18.781%
34	18.661	2651	2652	2655	VV 2	2218	27188	0.05%	0.010%
35	18.967	2698	2704	2718	VV 5	1932	49305	0.10%	0.018%
36	20.536	2958	2971	2979	PV	366116	6452581	12.55%	2.357%
37	21.393	3113	3117	3122	BV 5	1899	34690	0.07%	0.013%

38	21.758	3165	3179	3185	VV	3	1833	41138	0.08%	0.015%
39	22.580	3311	3319	3326	VV	2	20235	372881	0.73%	0.136%
40	22.950	3366	3382	3402	PV	2	2312375	49038654	95.36%	17.909%
41	23.109	3402	3409	3424	VV	3	22935	624760	1.21%	0.228%
42	30.806	4706	4719	4758	PV	2	1713734	40113660	78.00%	14.650%
43	31.047	4758	4760	4765	VV	4	5028	93835	0.18%	0.034%
44	31.082	4765	4766	4773	VV	4	3767	89746	0.17%	0.033%
45	31.376	4810	4816	4828	PV	4	23463	675577	1.31%	0.247%
46	31.452	4828	4829	4842	VV	5	4757	110486	0.21%	0.040%
47	34.702	5370	5382	5420	PV		1134653	28111124	54.66%	10.266%
48	34.931	5420	5421	5429	VV	6	7689	198225	0.39%	0.072%
49	34.990	5429	5431	5453	VV	9	4913	220205	0.43%	0.080%
50	35.413	5497	5503	5507	VV	6	1355	29397	0.06%	0.011%
51	35.495	5507	5517	5519	VV	7	1658	45447	0.09%	0.017%
52	35.530	5519	5523	5530	VV	7	1572	33466	0.07%	0.012%

Sum of corrected areas: 273815294

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\DATA\050802\10200.D
Operator : Mclean
Acquired : 9 May 2002 5:16 am using AcqMethod 508SCAN
Instrument : Instrumen
Sample Name: 4/30 eh
Misc Info :
Vial Number: 18
Quant File :050102.RES (Chemstation Integrator)



Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\050802\10200.D Vial: 18
Acq On : 9 May 2002 5:16 am Operator: Mclean
Sample : 4/30 eh Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

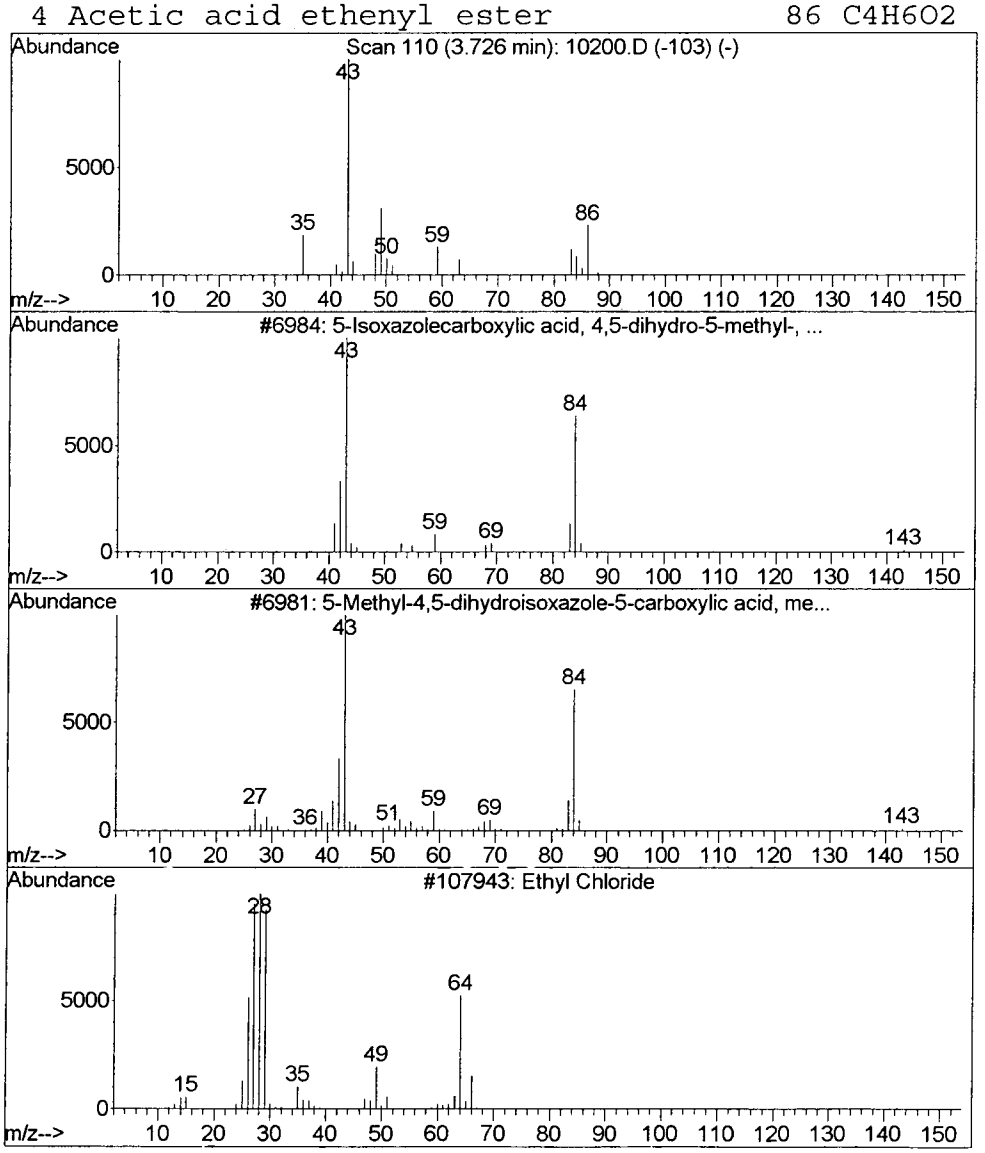
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

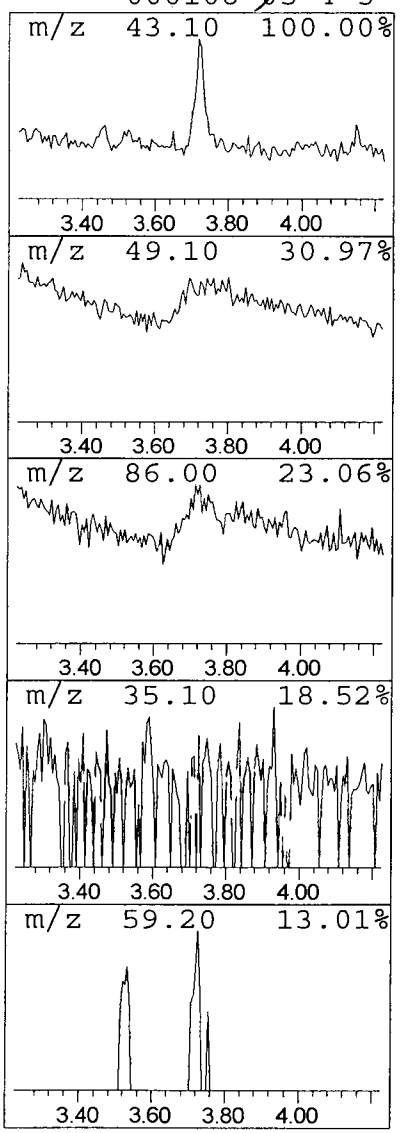
****

Peak Number 1 5-Isoxazolecarboxylic acid,... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.73	0.40 ug/L	352375	1,4-Dichlorobenzene-d4	9.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Isoxazolecarboxylic acid, 4,5-...	143	C6H9NO3	064018-42-4	9
2	5-Methyl-4,5-dihydroisoxazole-5-...	143	C6H9NO3	1000192-98-8	9
3	Ethyl Chloride	64	C2H5Cl	000075-00-3	9
4	Acetic acid ethenyl ester	86	C4H6O2	000108-05-4	5





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\050802\10200.D Vial: 18
Acq On : 9 May 2002 5:16 am Operator: Mclean
Sample : 4/30 eh Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

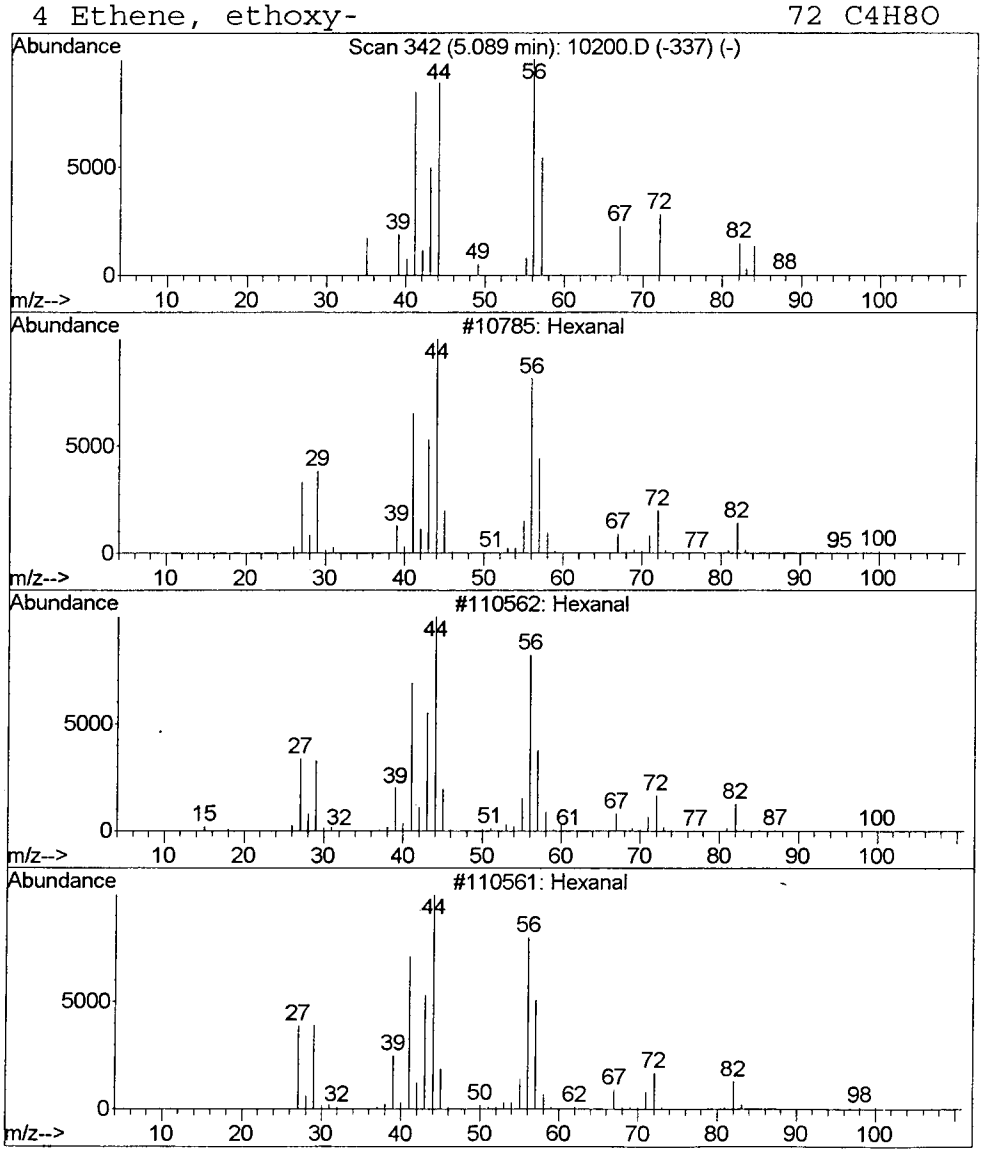
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

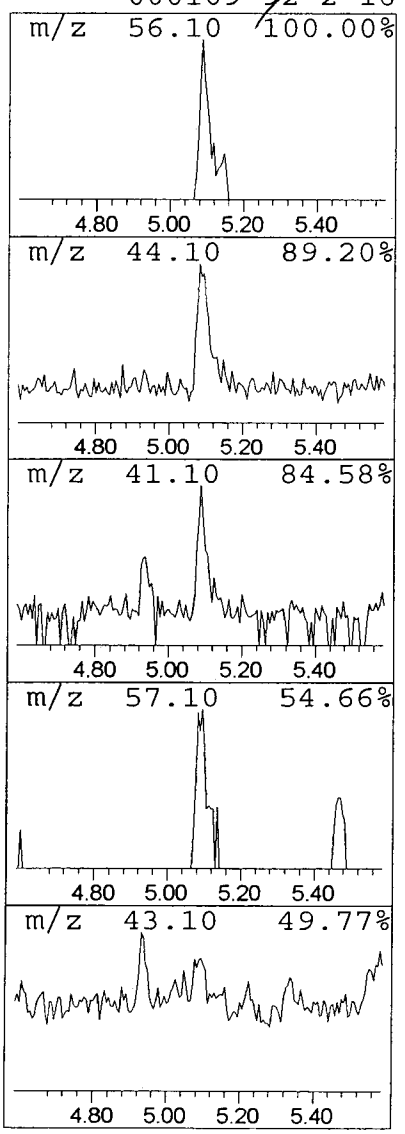
****

Peak Number 2 Hexanal Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.09	0.24 ug/L	215476	1,4-Dichlorobenzene-d4	9.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanal	100	C6H12O	000066-25-1	58
2	Hexanal	100	C6H12O	000066-25-1	56
3	Hexanal	100	C6H12O	000066-25-1	50
4	Ethene, ethoxy-	72	C4H8O	000109-92-2	16





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\050802\10200.D Vial: 18
Acq On : 9 May 2002 5:16 am Operator: Mclean
Sample : 4/30 eh Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

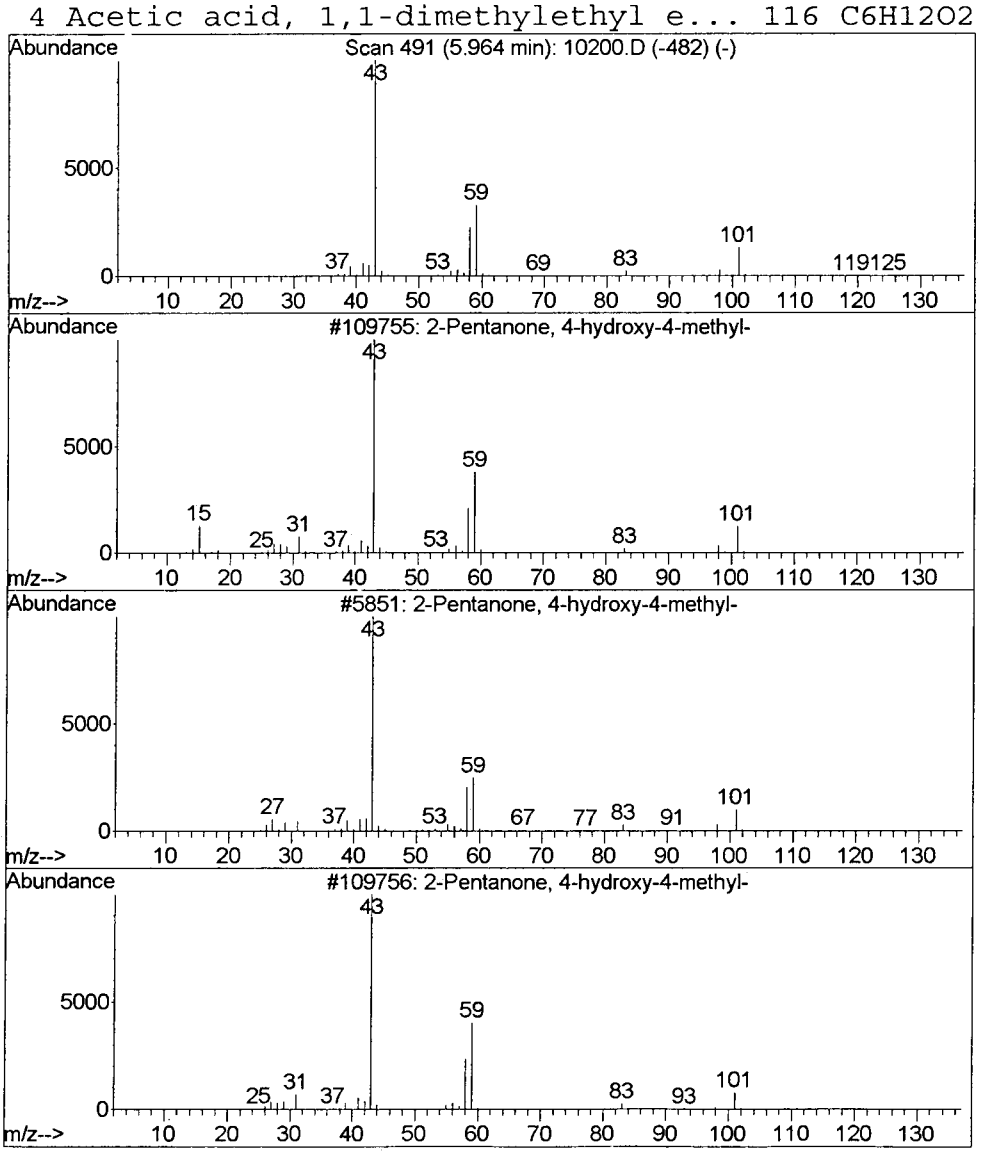
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

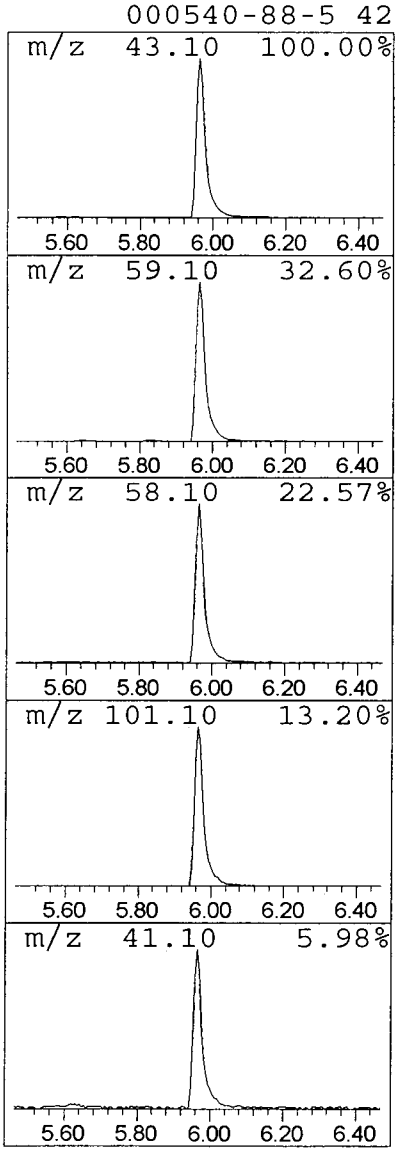
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.97	11.46 ug/L	10198400	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	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	78
4	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	42





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\050802\10200.D Vial: 18
Acq On : 9 May 2002 5:16 am Operator: Mclean
Sample : 4/30 eh Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

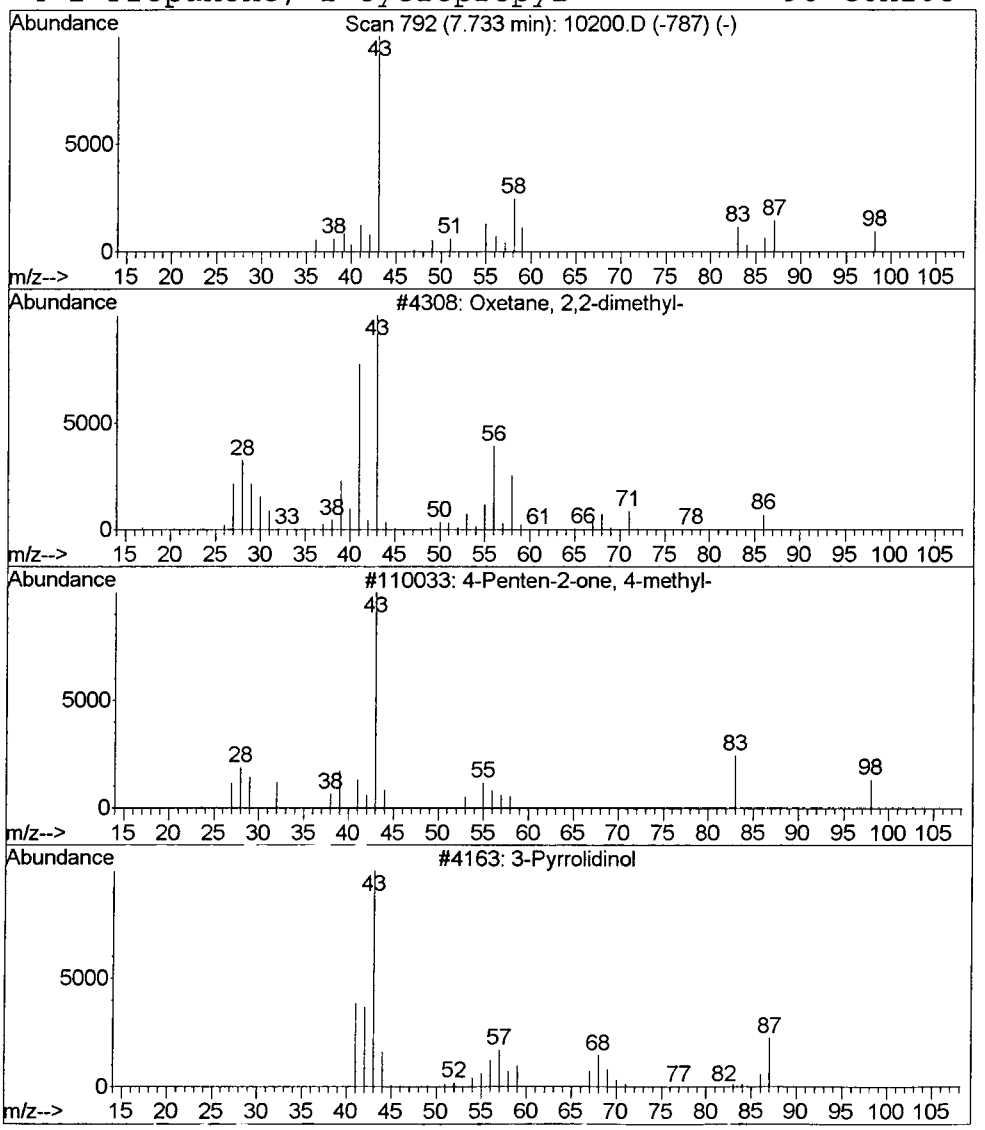
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

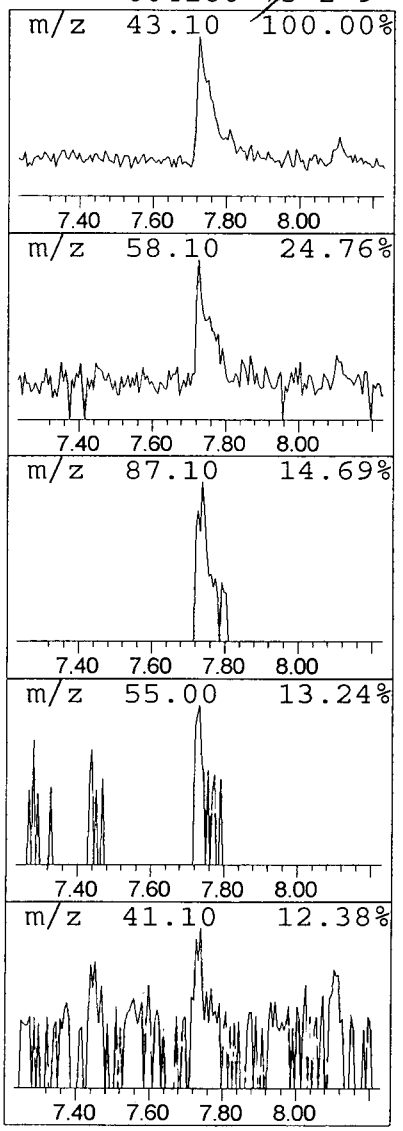
****

Peak Number 4 Oxetane, 2,2-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.73	0.23 ug/L	208260	1,4-Dichlorobenzene-d4	9.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxetane, 2,2-dimethyl-	86	C5H10O	006245-99-4	17
2	4-Penten-2-one, 4-methyl-	98	C6H10O	003744-02-3	12
3	3-Pyrrolidinol	87	C4H9NO	040499-83-0	9
4	2-Propanone, 1-cyclopropyl-	98	C6H10O	004160-75-2	9





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\050802\10200.D Vial: 18
Acq On : 9 May 2002 5:16 am Operator: Mclean
Sample : 4/30 eh Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

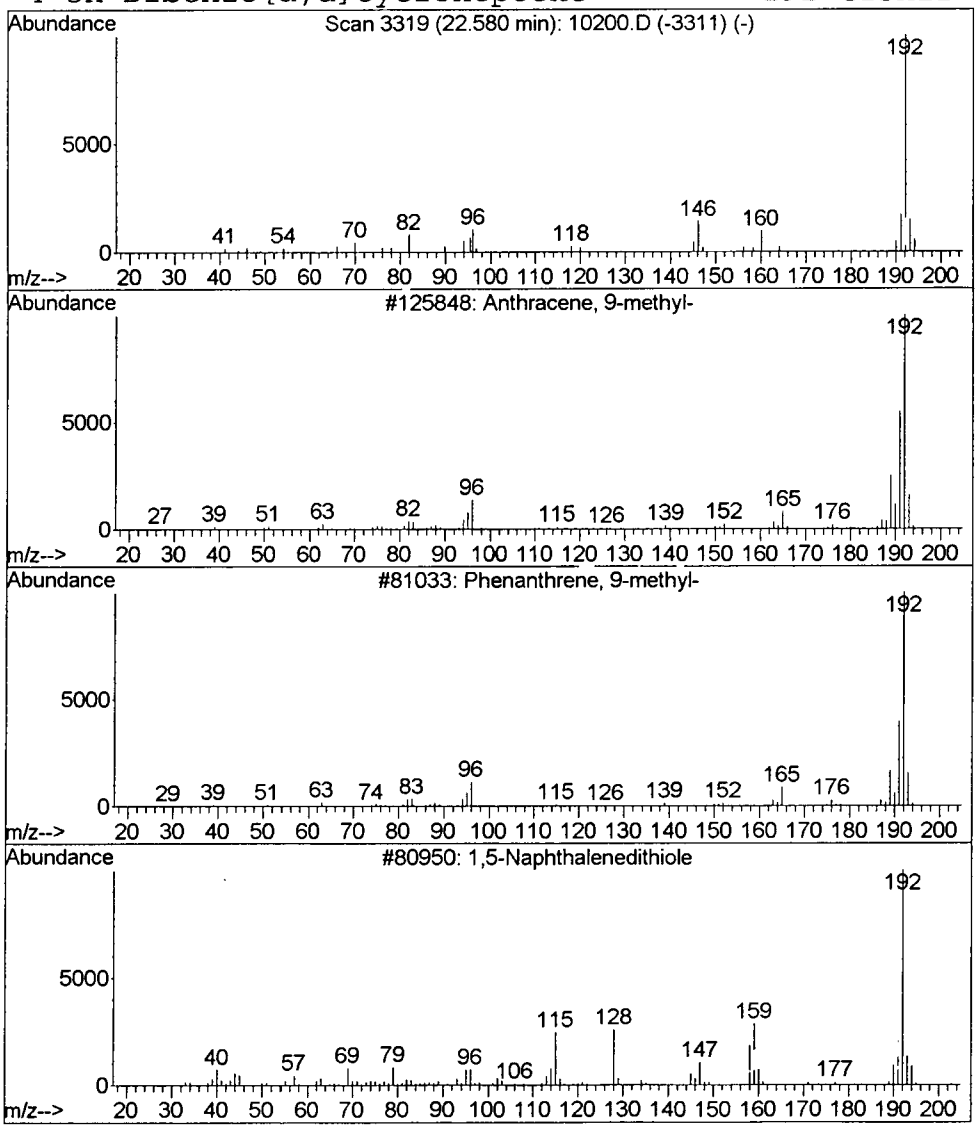
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

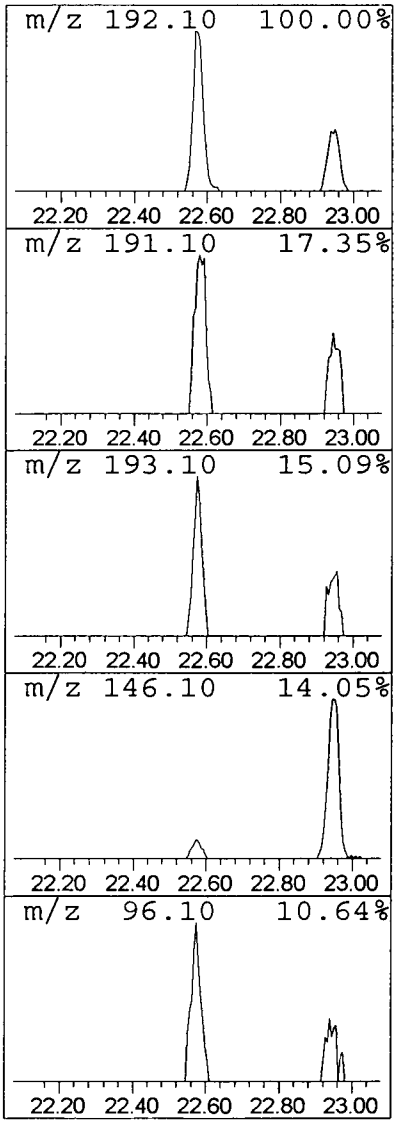
****

Peak Number 5 Anthracene, 9-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.58	0.30 ug/L	372881	Phenanthranene-d10	22.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	53
2	Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	53
3	1,5-Naphthalenedithiole	192	C10H8S2	1000223-69-5	45
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	45





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\050802\10200.D Vial: 18
Acq On : 9 May 2002 5:16 am Operator: Mclean
Sample : 4/30 eh Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

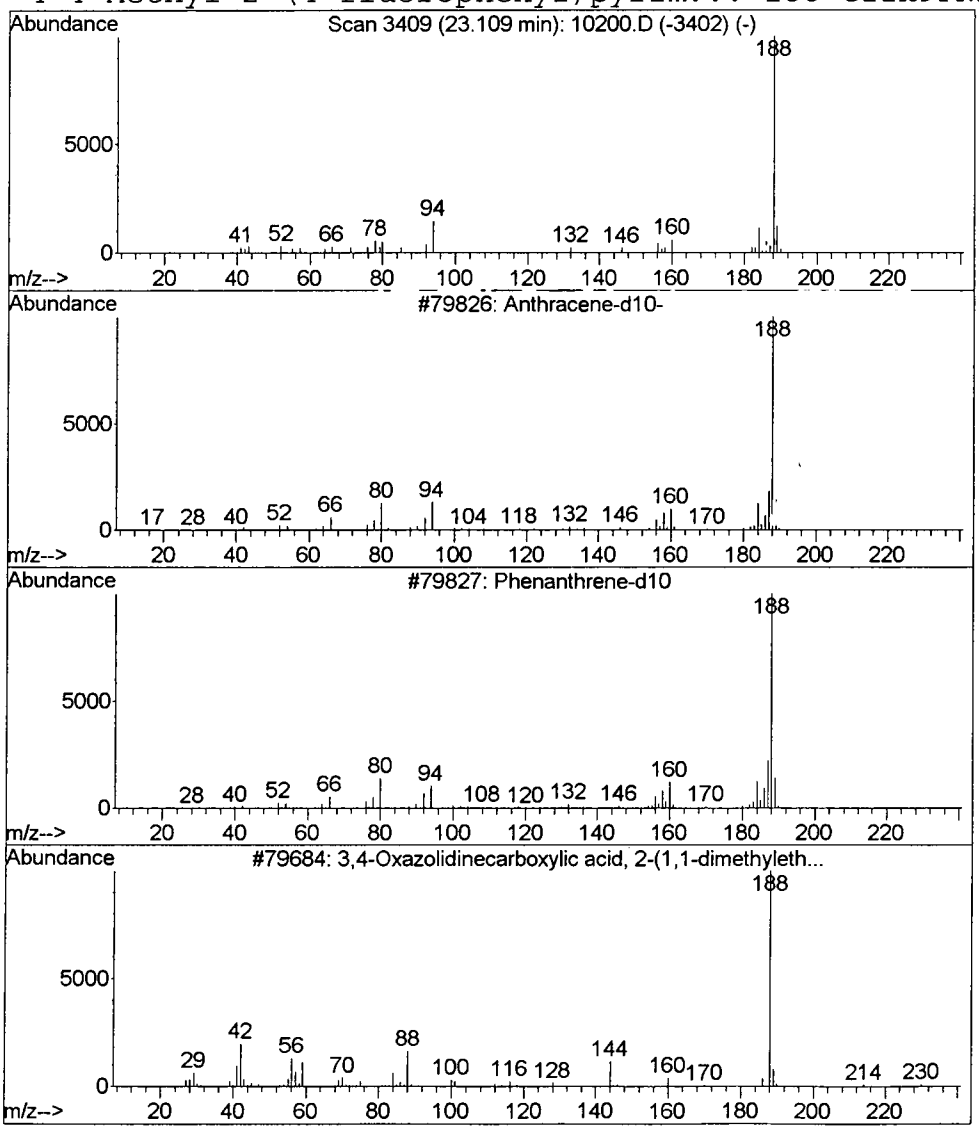
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

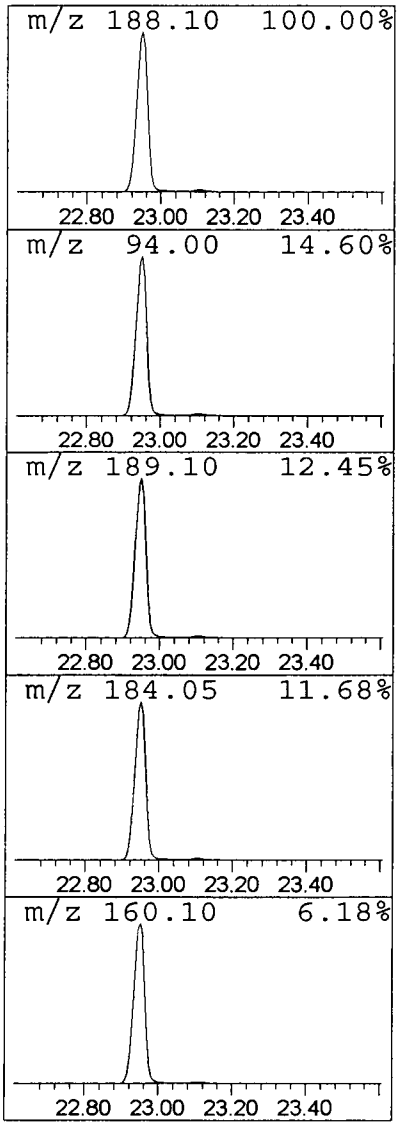
****

Peak Number 6 Anthracene-d10- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.11	0.51 ug/L	624760	Phenanthranene-d10	22.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene-d10-	188	C14D10	001719-06-8	86
2	Phenanthrene-d10	188	C14D10	001517-22-2	50
3	3,4-Oxazolidinecarboxylic acid, ...	245	C11H19NO5	116842-10-5	38
4	4-Methyl-2-(4-fluorophenyl)pyrim...	188	C11H9FN2	076128-67-1	36





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\050802\10200.D Vial: 18
Acq On : 9 May 2002 5:16 am Operator: Mclean
Sample : 4/30 eh Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

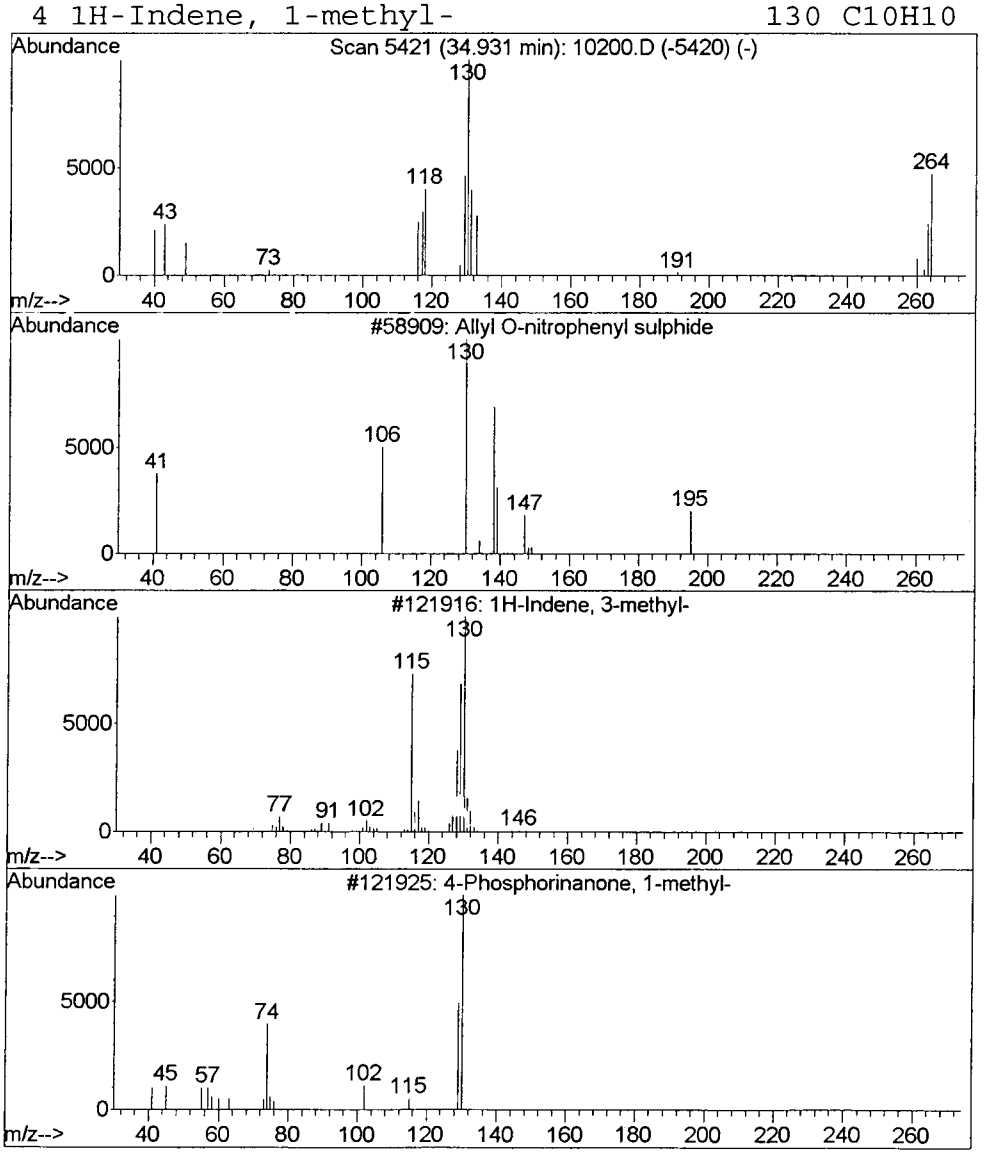
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

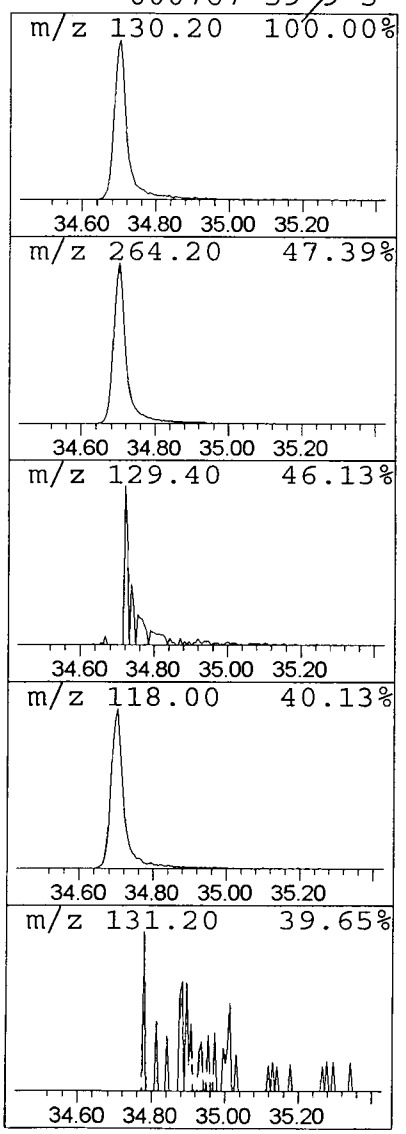
****

Peak Number 7 Allyl O-nitrophenyl sulphide Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
34.93	0.28 ug/L	198225	Perylene-d12	34.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Allyl O-nitrophenyl sulphide	195	C9H9NO2S	1000146-07-6	9
2	1H-Indene, 3-methyl-	130	C10H10	000767-60-2	5
3	4-Phosphorinanone, 1-methyl-	130	C6H11OP	016327-48-3	5
4	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	5





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\050802\10200.D
Acq On : 9 May 2002 5:16 am
Sample : 4/30 eh
Misc :
MS Integration Params: LSCINT.e

Vial: 18
Operator: Mclean
Inst : Instrumen
Multiplr: 1.00

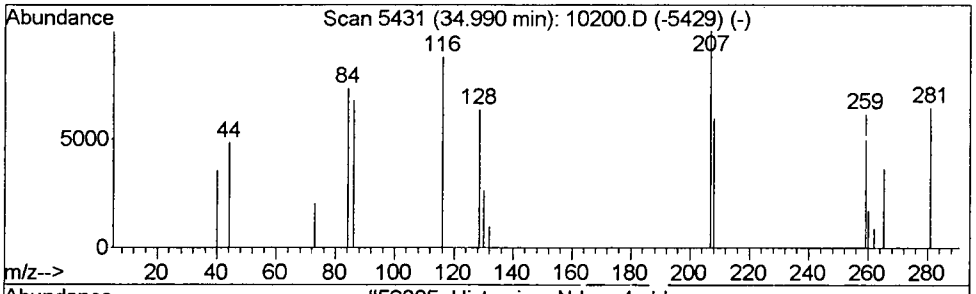
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

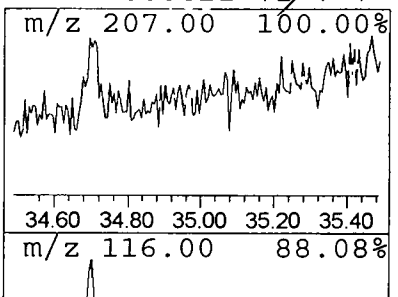
****

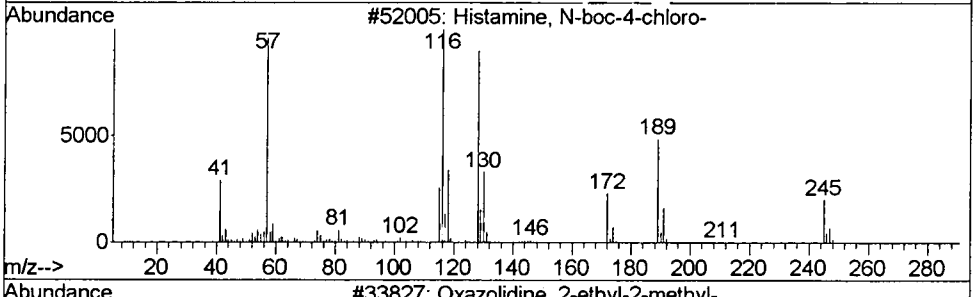
Peak Number 8 Histamine, N-boc-4-chloro- Concentration Rank 4

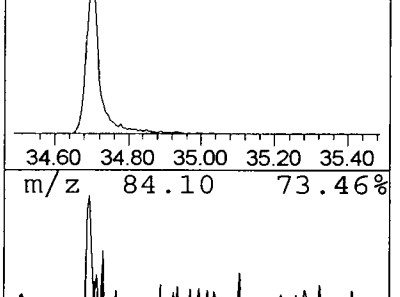
R.T.	EstConc	Area	Relative to ISTD	R.T.
34.99	0.31 ug/L	220205	Perylene-d12	34.70

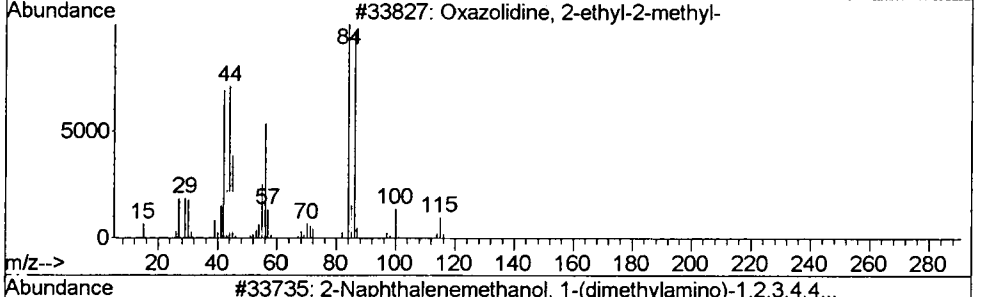
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Histamine, N-boc-4-chloro-	245	C10H16ClN3O2	1000128-82-9	9
2	Oxazolidine, 2-ethyl-2-methyl-	115	C6H13NO	017026-89-0	9
3	2-Naphthalenemethanol, 1-(dimeth...	265	C17H31NO	056701-22-5	9
4	Bendazol	208	C14H12N2	000621-72-7	7

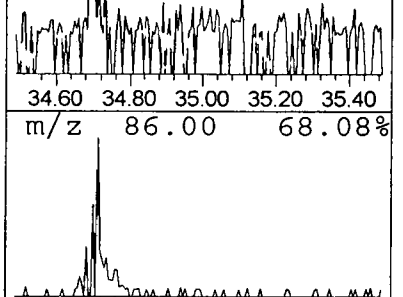


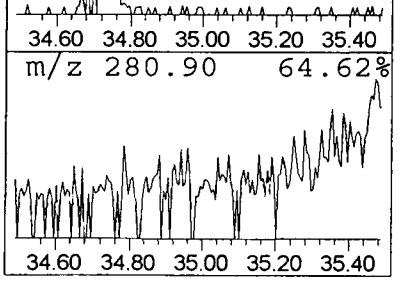


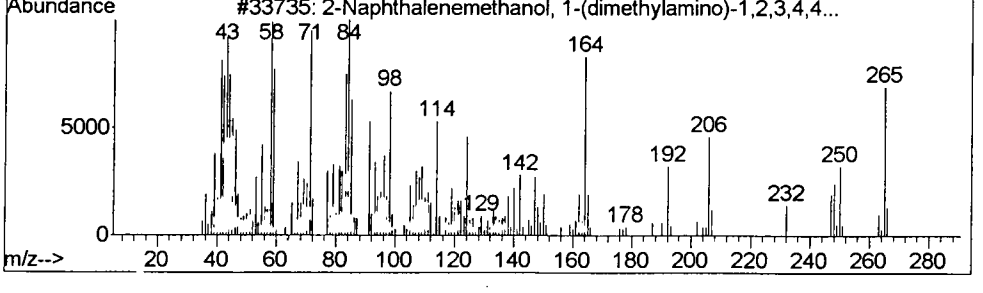












Tentatively Identified Compound (LSC) summary

Operator ID: Mclean Date Acquired: 9 May 2002 5:16 am
Data File: C:\MSDCHEM\1\DATA\050802\10200.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
5-Isoxazolecarbox...	3.73	0.4	ug/L	352375	1	9.93	35599300	40.0
Hexanal	5.09	0.2	ug/L	215476	1	9.93	35599300	40.0
2-Pentanone, 4-hy...	5.97	11.5	ug/L	10198400	1	9.93	35599300	40.0
Oxetane, 2,2-dime...	7.73	0.2	ug/L	208260	1	9.93	35599300	40.0
Anthracene, 9-met...	22.58	0.3	ug/L	372881	4	22.95	49038700	40.0
Anthracene-d10-	23.11	0.5	ug/L	624760	4	22.95	49038700	40.0
Allyl O-nitrophen...	34.93	0.3	ug/L	198225	6	34.70	28111100	40.0
Histamine, N-boc-...	34.99	0.3	ug/L	220205	6	34.70	28111100	40.0