User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 05/14/2002 Time: 13:58:14

Sample: AE10160
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 5/14/02 13:57 Ended: 5/14/02 13:57 Analyst: DLV
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr_2,4-DDD		91		10.0

Comments for Sample AE10160 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 05-14-2002 Time: 13:58:33

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.

Data File : C:\MSDCHEM\1\DATA\051302\10160.D Vial: 10
Acq On : 13 May 2002 6:49 pm Operator: Mclean
Sample : 5/9 kb Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: May 14 11:33:42 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	5406119	40.00	ug/L	0.00
10) Napthalene-d8	13.43	136	21208491	40.00	ug/L	0.00
17) Acenapthalene-d10	18.57	164	11559753	40.00	ug/L	0.00
29) Phenanthranene-d10	22.95	188	16651499	40.00	ug/L	0.00
37) Chrysene-d12	30.81	240	11715691	40.00	ug/L	0.00
43) Perylene-d12	34.71	264	7046252	40.00	ug/L	0.00
System Monitoring Compounds						
27) TCMX	20.55	209	2566935	36.58	ug/L	0.00
Spiked Amount 40.000			Recovery = 91.45%			
Target Compounds						Qvalue
2) n-nitros-dimethyl amine	0.00	74	0	N.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	45895	N.D.		
30) Nnitrosodiphenylamine	20.55	169	53785	0.26	ug/L #	59
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	30.81	228	32339	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

Quantitation Report (QT Reviewed)

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Sample : 5/9 kb Inst : Instrumen
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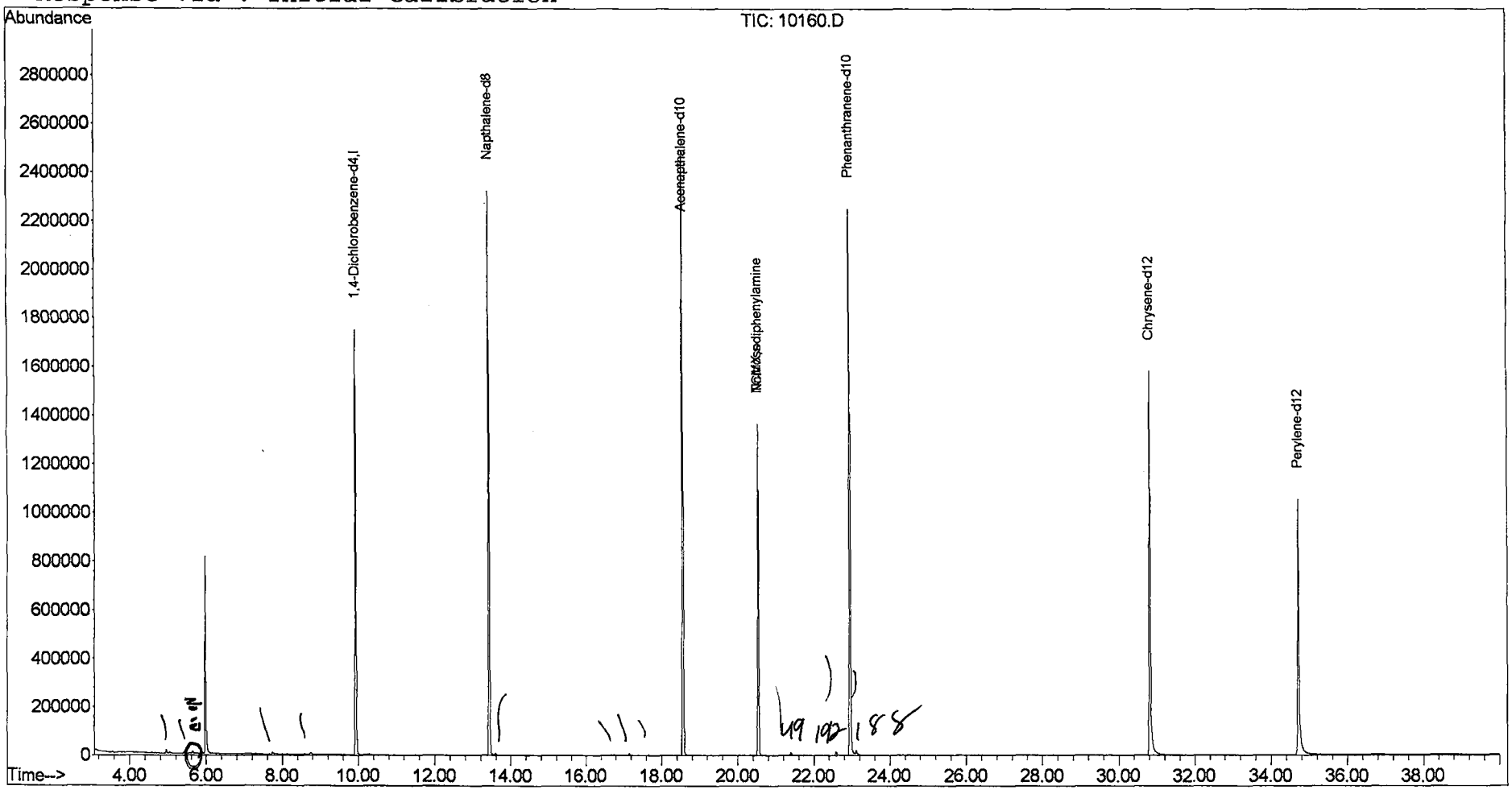
Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Last Update : Mon May 13 11:40:29 2002
Response via : Initial Calibration



Data File : C:\MSDCHEM\1\DATA\051302\10160.D Vial: 10
Acq On : 13 May 2002 6:49 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

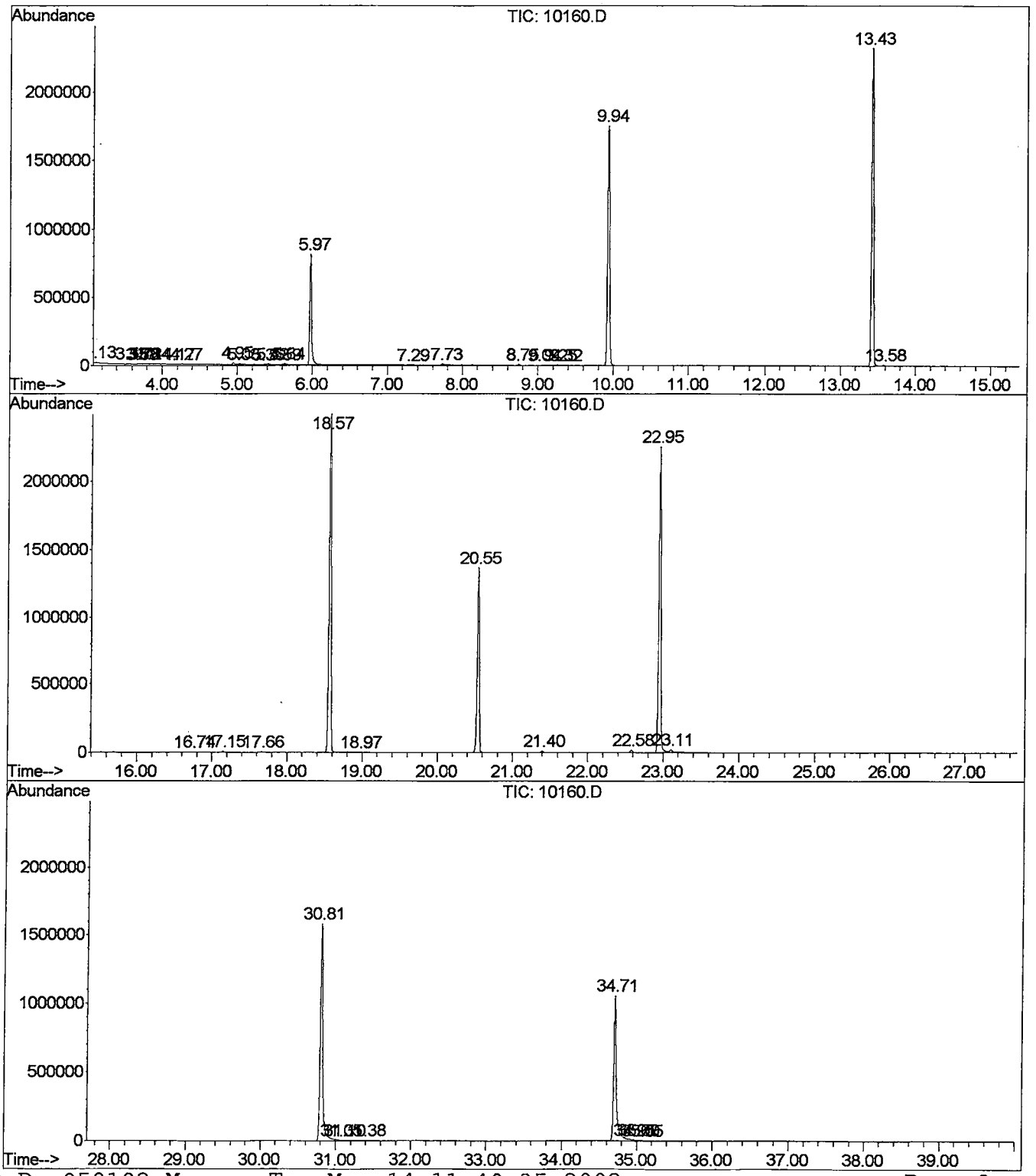
Signal : TIC

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	27	BV 3	4339	90178	0.19%	0.033%
2	3.543	75	79	88	PV 7	2946	69543	0.15%	0.025%
3	3.684	97	103	104	VV 5	2630	40519	0.09%	0.015%
4	3.702	104	106	108	VV 3	3471	34994	0.07%	0.013%
5	3.720	108	109	114	VV 4	3999	83322	0.18%	0.030%
6	3.843	126	130	138	VV 9	3787	116968	0.25%	0.042%
7	4.166	179	185	192	VV 6	2899	80674	0.17%	0.029%
8	4.266	197	202	211	VV 7	2558	78352	0.16%	0.028%
9	4.948	313	318	326	VV 2	14843	252415	0.53%	0.091%
10	5.030	326	332	343	VV 6	5548	177600	0.37%	0.064%
11	5.359	386	388	393	VV 4	2316	43796	0.09%	0.016%
12	5.418	393	398	410	VV 3	6481	179575	0.38%	0.065%
13	5.594	426	428	429	VV 2	1869	16433	0.03%	0.006%
14	5.635	429	435	449	VV 4	9038	221527	0.47%	0.080%
15	5.976	487	493	525	VV	814293	14210673	29.92%	5.143%
16	7.292	710	717	725	PV 6	1747	44762	0.09%	0.016%
17	7.733	785	792	814	VV 2	8762	295787	0.62%	0.107%
18	8.749	959	965	973	VV 2	6721	138243	0.29%	0.050%
19	9.037	1006	1014	1021	VV 6	1837	57990	0.12%	0.021%
20	9.249	1044	1050	1057	PV 4	2634	56681	0.12%	0.021%
21	9.325	1057	1063	1067	VV 4	2735	55050	0.12%	0.020%
22	9.936	1156	1167	1188	PV	1756904	32647880	68.74%	11.817%
23	13.432	1751	1762	1781	PV	2328826	43476230	91.54%	15.736%
24	13.585	1781	1788	1794	VV 3	6757	133043	0.28%	0.048%
25	16.746	2319	2326	2332	PV 3	3836	66589	0.14%	0.024%
26	17.151	2390	2395	2403	VV 3	8453	131943	0.28%	0.048%
27	17.663	2476	2482	2487	VV 4	3778	55529	0.12%	0.020%
28	18.567	2626	2636	2664	VV	2454666	47493063	100.00%	17.190%
29	18.967	2700	2704	2715	VV 3	1739	33032	0.07%	0.012%
30	20.547	2960	2973	2987	PV	1378494	25896308	54.53%	9.373%
31	21.399	3112	3118	3126	PV 3	11772	197386	0.42%	0.071%
32	22.580	3306	3319	3332	PV 2	17132	312982	0.66%	0.113%
33	22.956	3371	3383	3402	PV 2	2238601	45590160	95.99%	16.501%
34	23.109	3402	3409	3421	VV 3	18926	477470	1.01%	0.173%
35	30.806	4692	4719	4760	VV 2	1561378	36752034	77.38%	13.302%
36	31.053	4760	4761	4767	VV 4	5488	120558	0.25%	0.044%
37	31.100	4767	4769	4772	VV 3	4351	56828	0.12%	0.021%

39	34.708	5372	5383	5423	PV	2	1050996	26137967	55.04%	9.460%
40	34.948	5423	5424	5429	VV	4	6851	134707	0.28%	0.049%
41	35.001	5429	5433	5440	VV	6	4325	130631	0.28%	0.047%
42	35.054	5440	5442	5454	VV	7	2412	55303	0.12%	0.020%

Sum of corrected areas: 276285620

File : C:\MSDCHEM\1\DATA\051302\10160.D
Operator : Mclean
Acquired : 13 May 2002 6:49 pm using AcqMethod 508SCAN
Instrument : Instrumen
Sample Name: 5/9 kb
Misc Info :
Vial Number: 10
Quant File :050102.RES (Chemstation Integrator)



Data File : C:\MSDCHEM\1\DATA\051302\10160.D Vial: 10
Acq On : 13 May 2002 6:49 pm Operator: Mclean
Sample : 5/9 kb Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

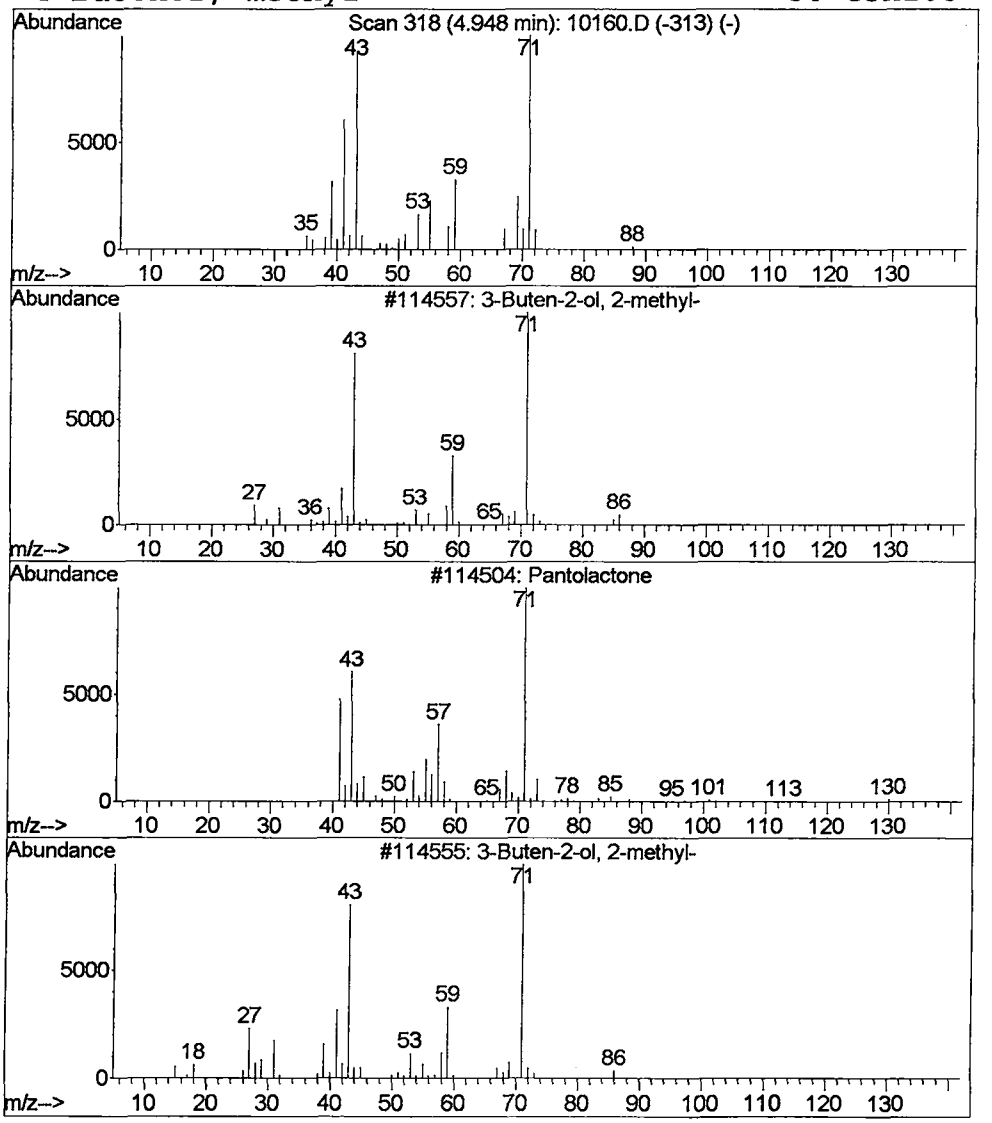
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

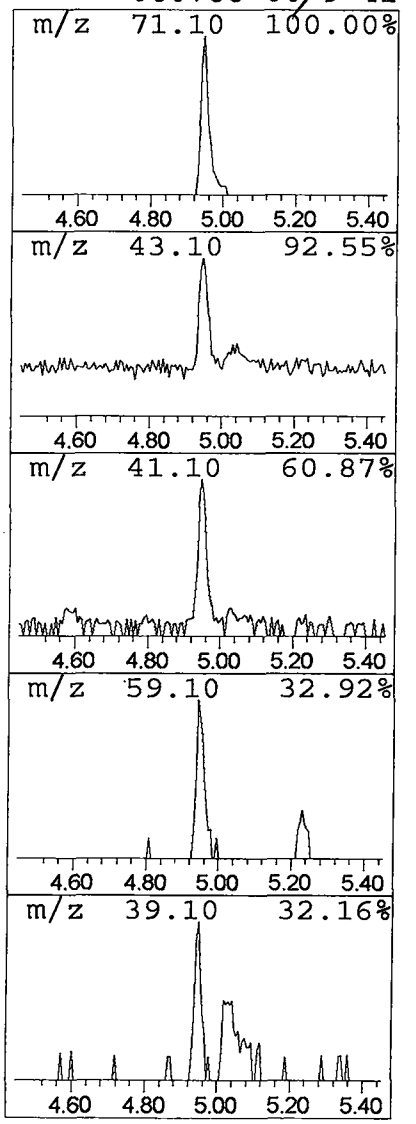
****

Peak Number 1 3-Buten-2-ol, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.95	0.31 ug/L	252415	1,4-Dichlorobenzene-d4	9.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Buten-2-ol, 2-methyl-	86	C5H10O	000115-18-4	72
2	Pantolactone	130	C6H10O3	000599-04-2	59
3	3-Buten-2-ol, 2-methyl-	86	C5H10O	000115-18-4	56
4	Butenol, methyl-	86	C5H10O	060766-00-9	42





Data File : C:\MSDCHEM\1\DATA\051302\10160.D Vial: 10
Acq On : 13 May 2002 6:49 pm Operator: Mclean
Sample : 5/9 kb Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

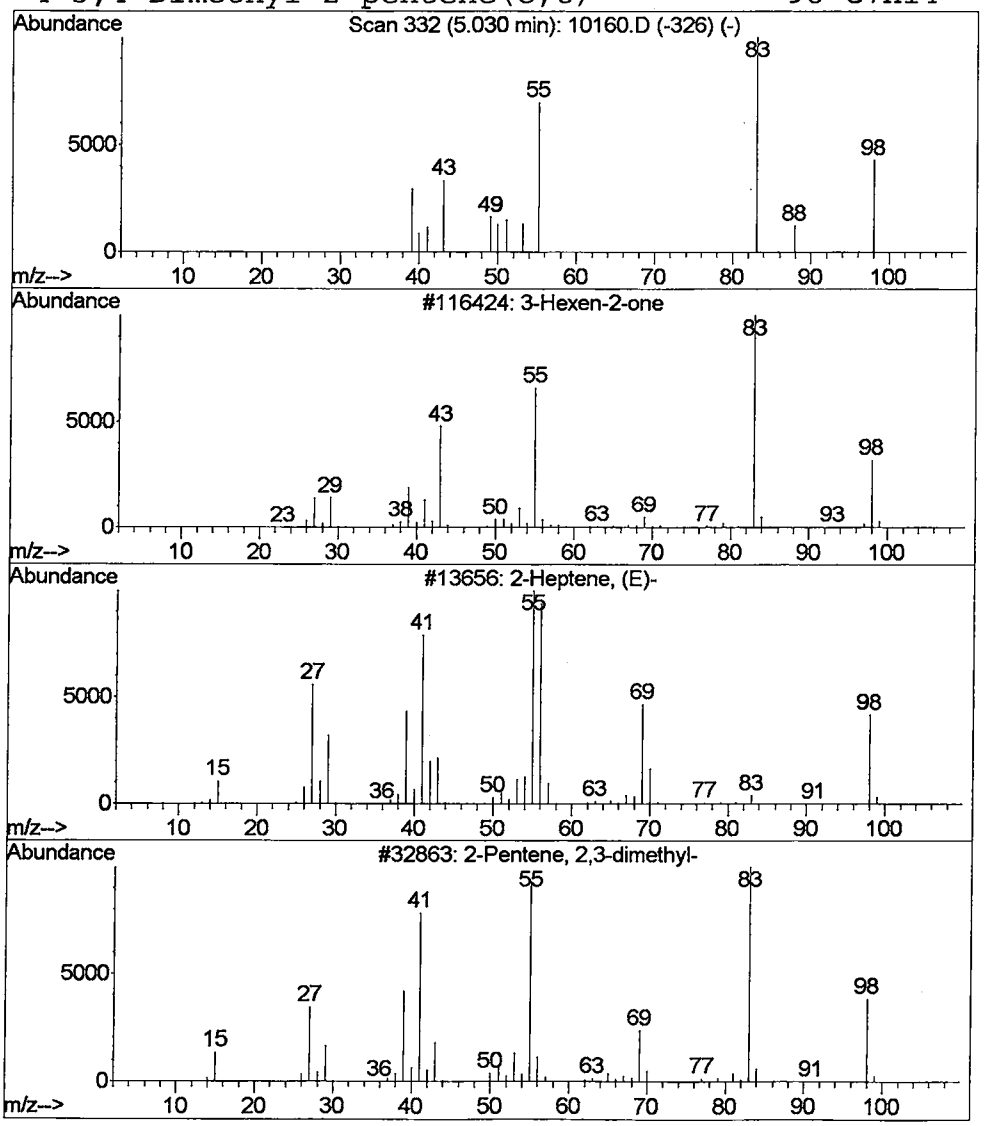
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

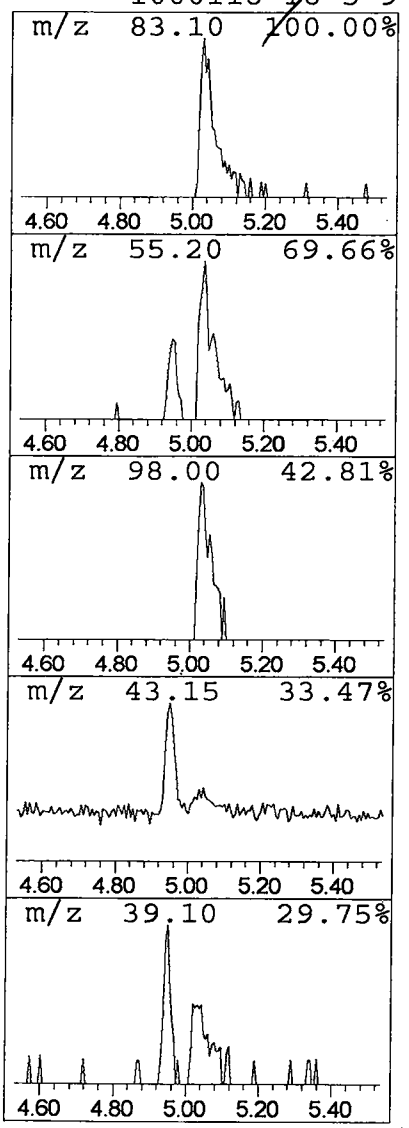
****

Peak Number 2 3-Hexen-2-one Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.03	0.22 ug/L	177600	1,4-Dichlorobenzene-d4	9.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Hexen-2-one	98	C6H10O	000763-93-9	64
2	2-Heptene, (E)-	98	C7H14	014686-13-6	10
3	2-Pentene, 2,3-dimethyl-	98	C7H14	010574-37-5	9
4	3,4-Dimethyl-2-pentene(c,t)	98	C7H14	1000118-16-5	9





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Acq On : 13 May 2002 6:49 pm Operator: Mclean
Sample : 5/9 kb Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

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Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

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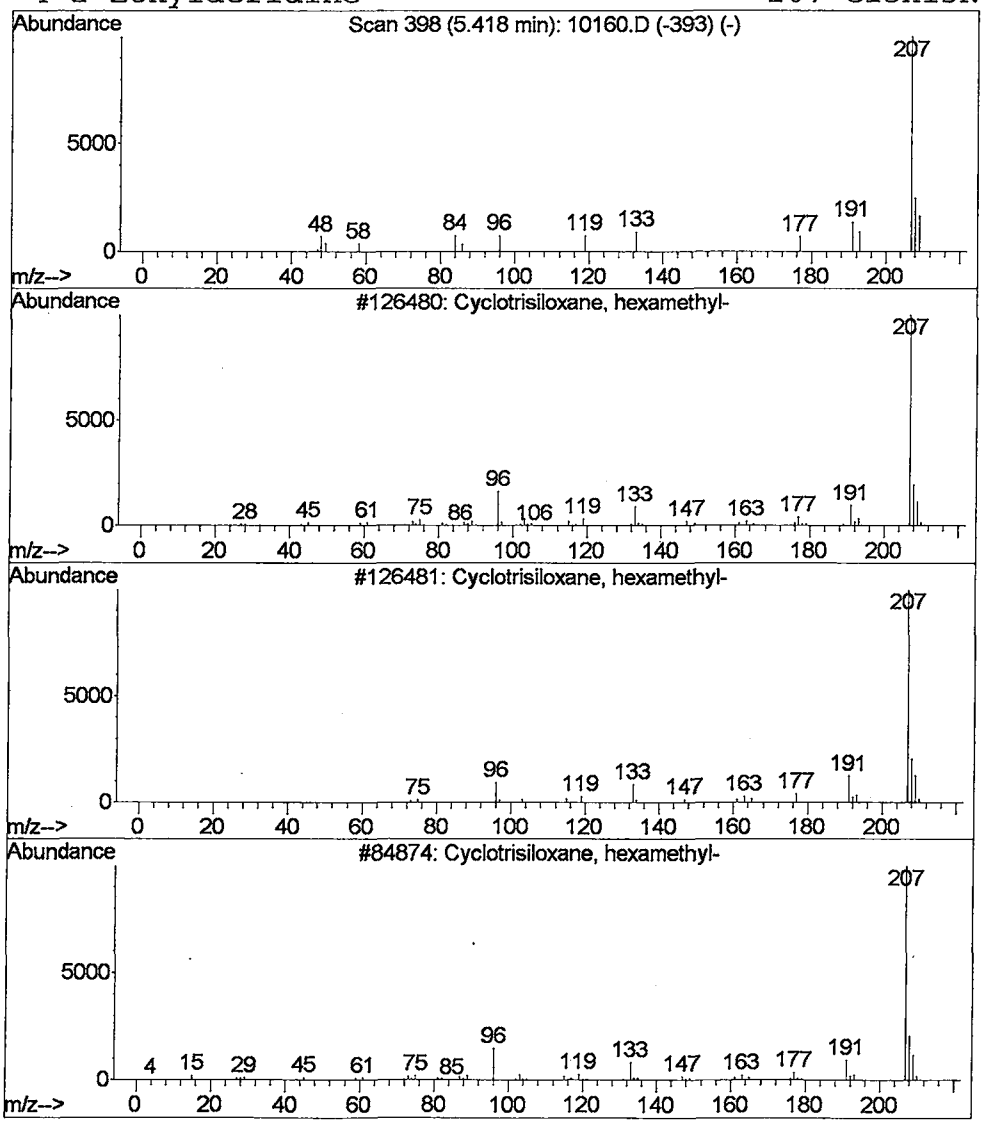
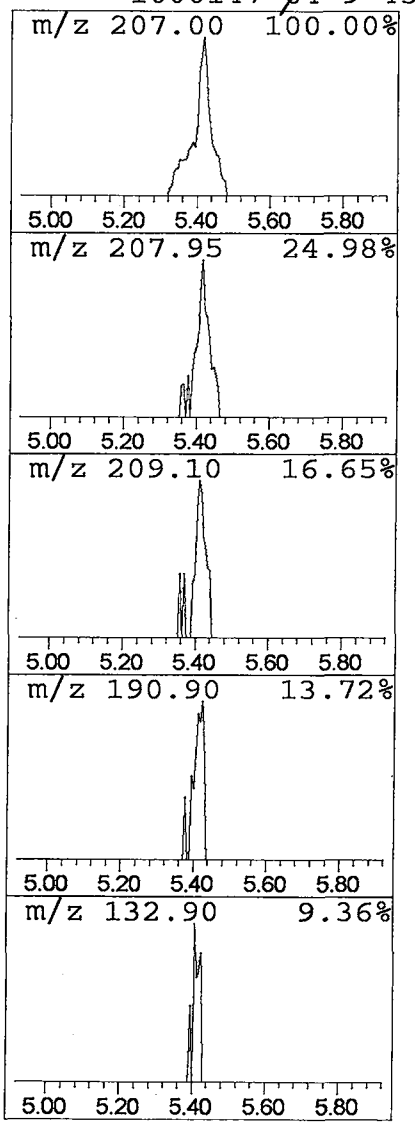
Peak Number 3 Cyclotrisiloxane, hexamethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.42	0.22 ug/L	179575	1,4-Dichlorobenzene-d4	9.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclotrisiloxane, hexamethyl-	222	C6H18O3Si3	000541-05-9	78
2	Cyclotrisiloxane, hexamethyl-	222	C6H18O3Si3	000541-05-9	74
3	Cyclotrisiloxane, hexamethyl-	222	C6H18O3Si3	000541-05-9	72
4	2-Ethylacridine	207	C15H13N	1000147-64-9	45





Data File : C:\MSDCHEM\1\DATA\051302\10160.D Vial: 10
Acq On : 13 May 2002 6:49 pm Operator: Mclean
Sample : 5/9 kb Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

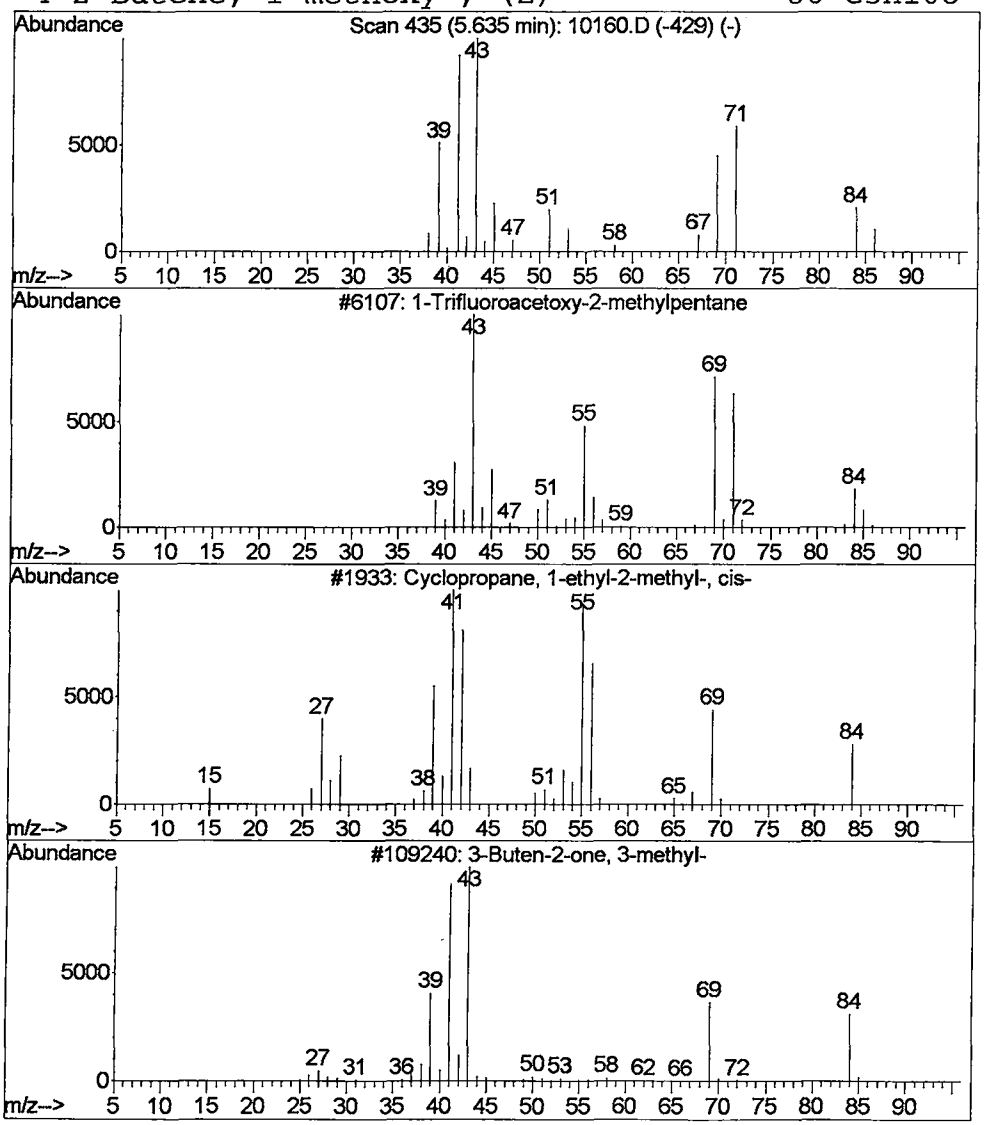
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

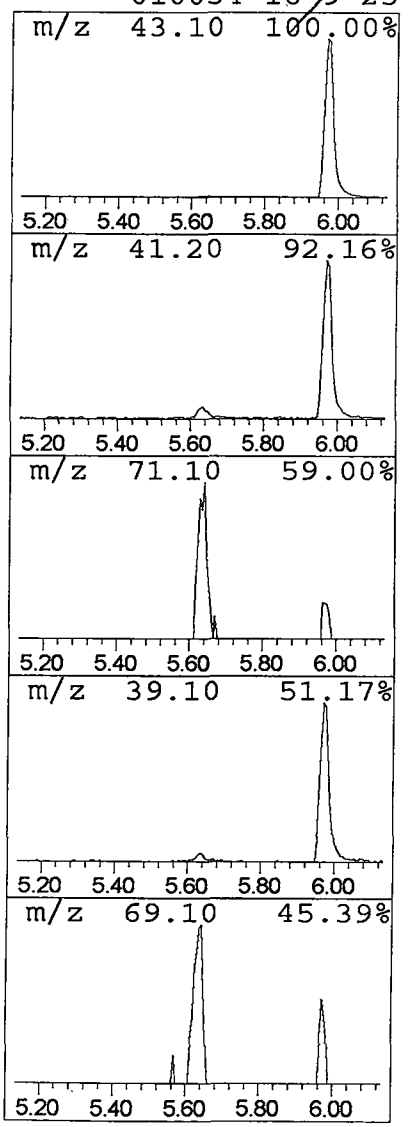
****

Peak Number 4 1-Trifluoroacetoxy-2-methyl... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.64	0.27 ug/L	221527	1,4-Dichlorobenzene-d4	9.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Trifluoroacetoxy-2-methylpentane	198	C8H13F3O2	1000215-95-6	28
2	Cyclopropane, 1-ethyl-2-methyl-,...	84	C6H12	019781-68-1	27
3	3-Buten-2-one, 3-methyl-	84	C5H8O	000814-78-8	25
4	2-Butene, 1-methoxy-, (Z)-	86	C5H10O	010034-16-9	25





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Acq On : 13 May 2002 6:49 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)
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Library : C:\DATABASE\NIST98.L

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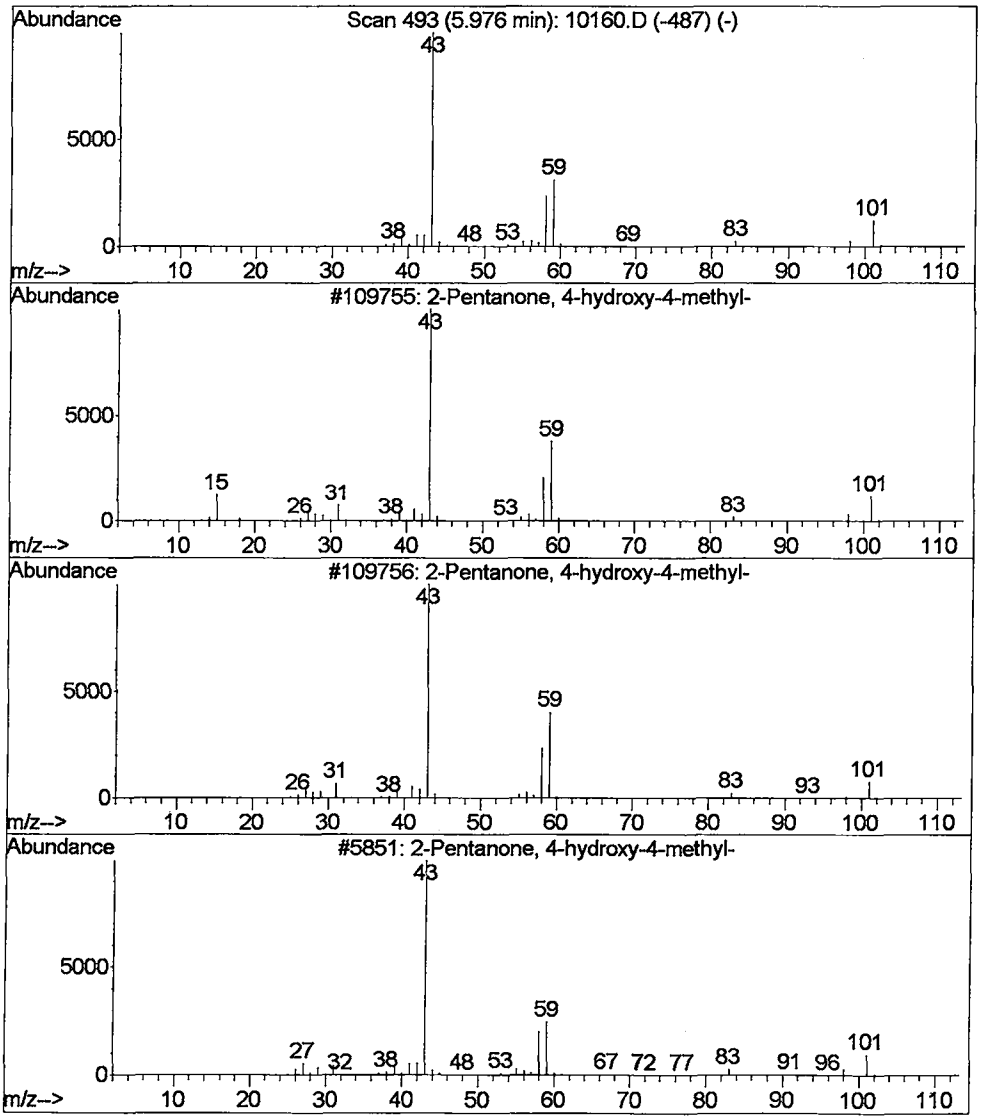
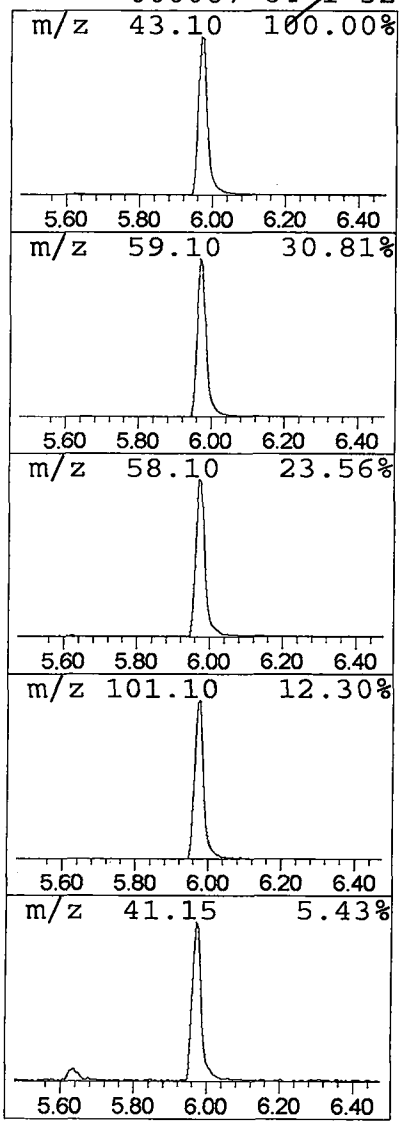
Peak Number 5 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.97	17.41 ug/L	14210700	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	72
4	Acetone	58	C3H6O	000067-64-1	32





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Acq On : 13 May 2002 6:49 pm Operator: Mclean
Sample : 5/9 kb Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

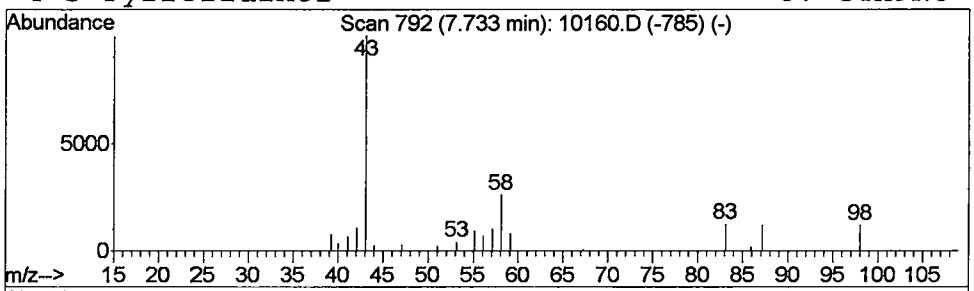
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

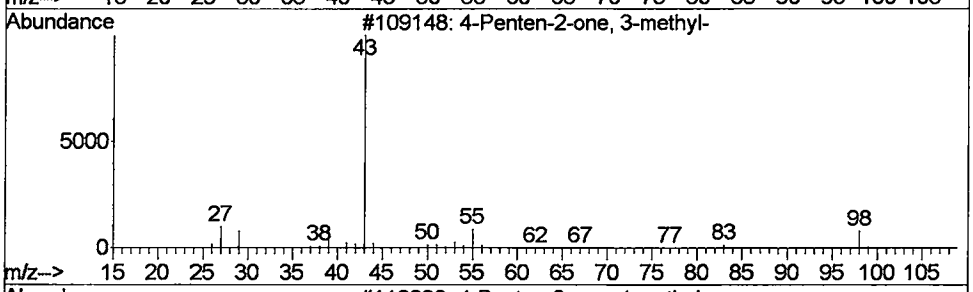
****

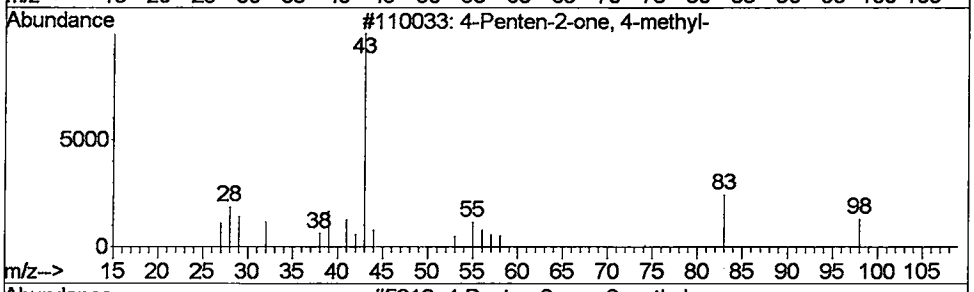
Peak Number 6 4-Penten-2-one, 3-methyl- Concentration Rank 3

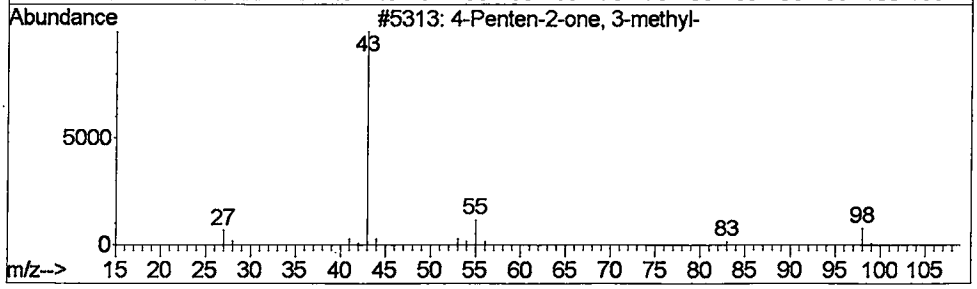
R.T.	EstConc	Area	Relative to ISTD	R.T.
7.73	0.36 ug/L	295787	1,4-Dichlorobenzene-d4	9.94

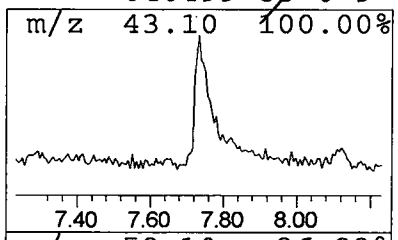
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Penten-2-one, 3-methyl-	98	C6H10O	000758-87-2	25
2	4-Penten-2-one, 4-methyl-	98	C6H10O	003744-02-3	12
3	4-Penten-2-one, 3-methyl-	98	C6H10O	000758-87-2	9
4	3-Pyrrolidinol	87	C4H9NO	040499-83-0	9

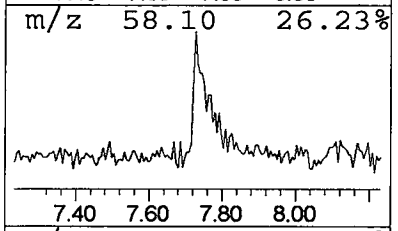


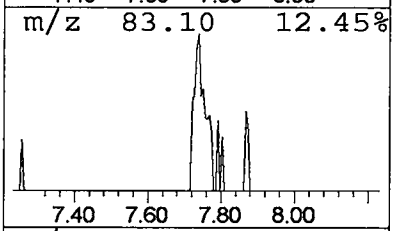


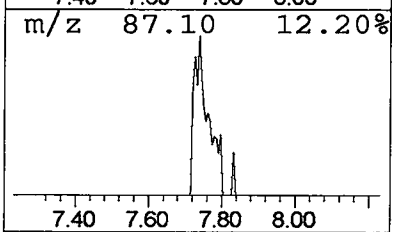


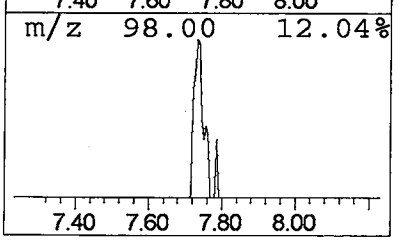












Data File : C:\MSDCHEM\1\DATA\051302\10160.D Vial: 10
Acq On : 13 May 2002 6:49 pm Operator: Mclean
Sample : 5/9 kb Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

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

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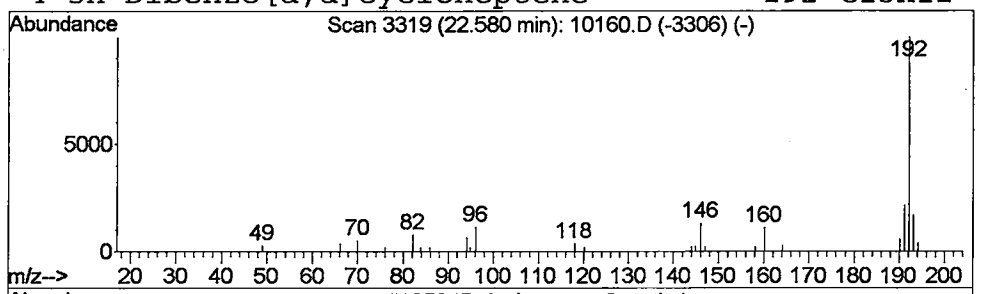
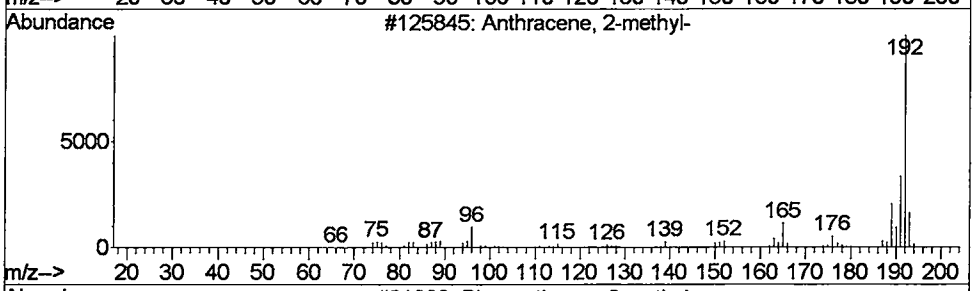
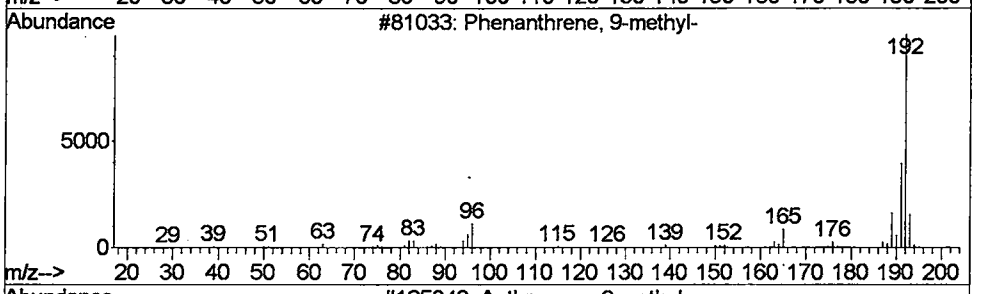
Peak Number 7 Anthracene, 2-methyl- Concentration Rank 5

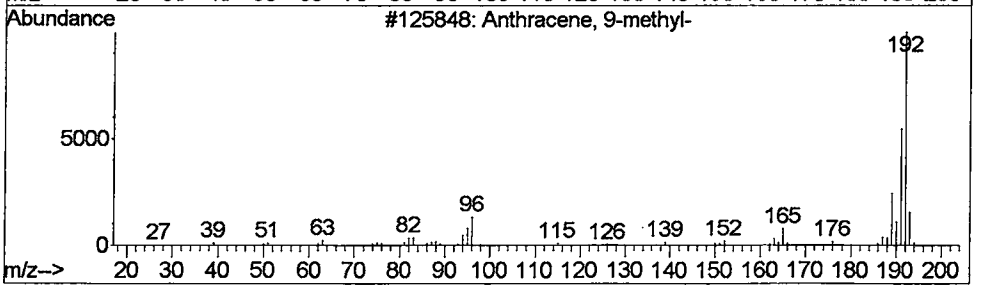
R.T.	EstConc	Area	Relative to ISTD	R.T.
22.58	0.27 ug/L	312982	Phenanthranene-d10	22.95

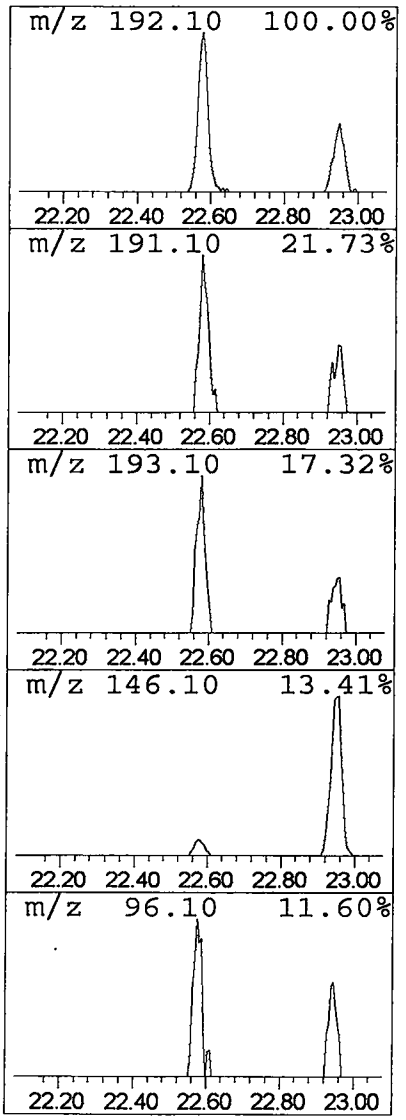
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	64
2	Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	53
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	50
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	45











Data File : C:\MSDCHEM\1\DATA\051302\10160.D Vial: 10
Acq On : 13 May 2002 6:49 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

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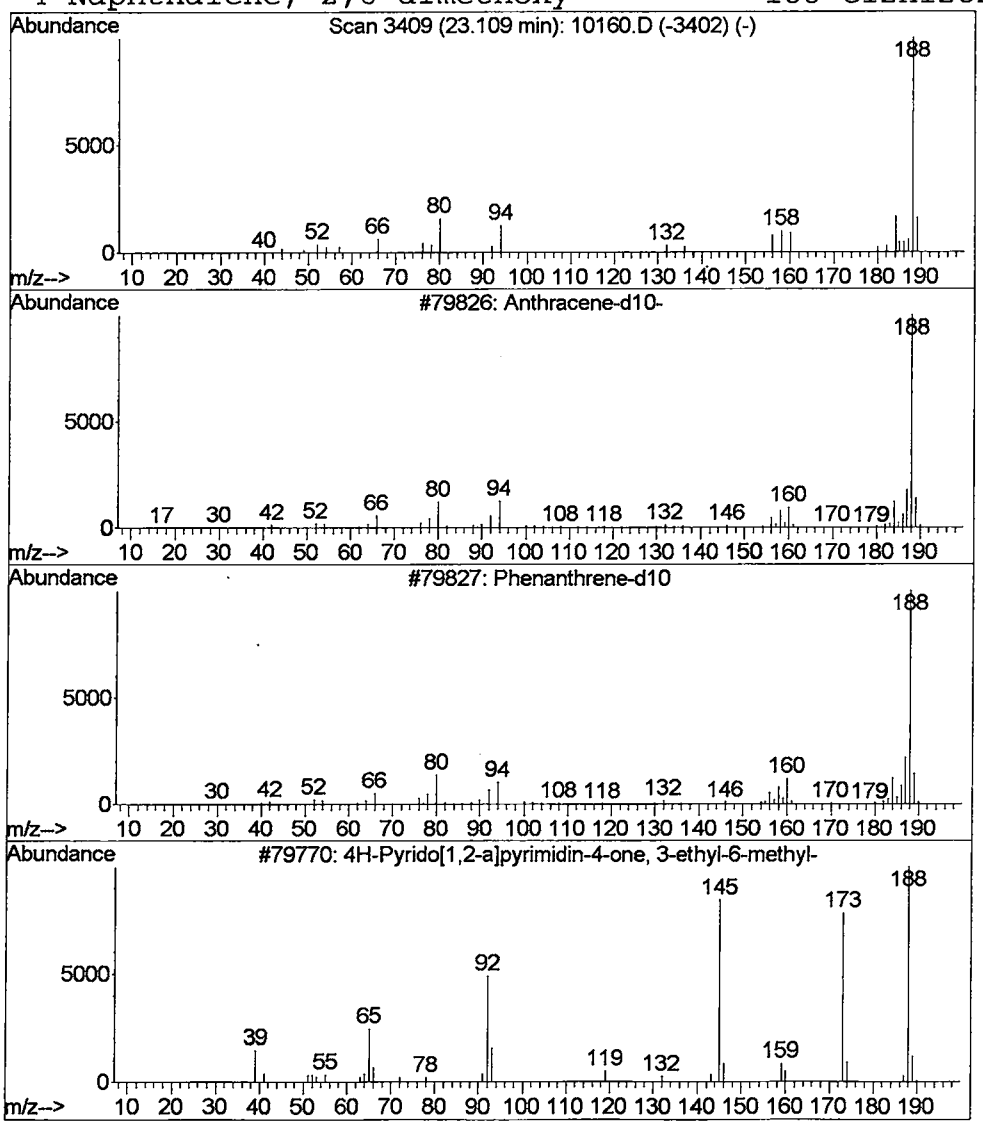
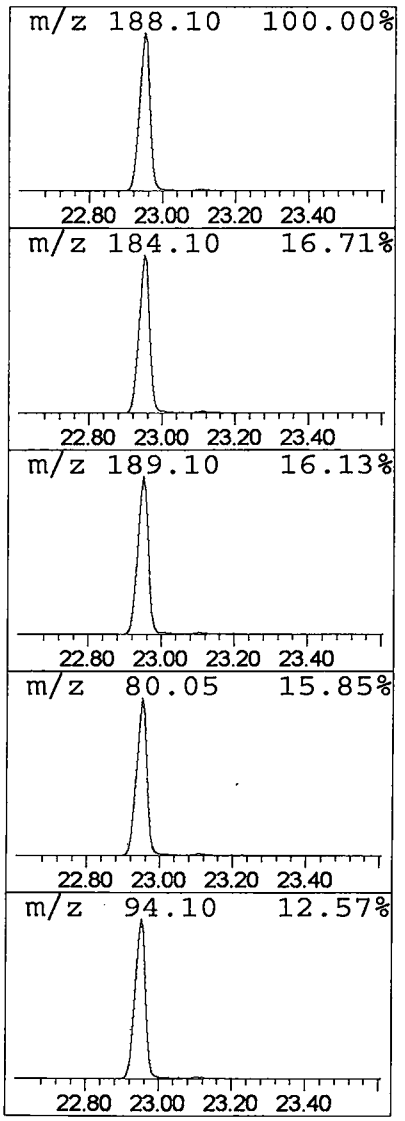
Peak Number 8 Anthracene-d10- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.11	0.42 ug/L	477470	Phenanthranene-d10	22.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene-d10-	188	C14D10	001719-06-8	93
2	Phenanthrene-d10	188	C14D10	001517-22-2	87
3	4H-Pyrido[1,2-a]pyrimidin-4-one,...	188	C11H12N2O	057773-19-0	50
4	Naphthalene, 2,6-dimethoxy-	188	C12H12O2	005486-55-5	40





Data File : C:\MSDCHEM\1\DATA\051302\10160.D Vial: 10
Acq On : 13 May 2002 6:49 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

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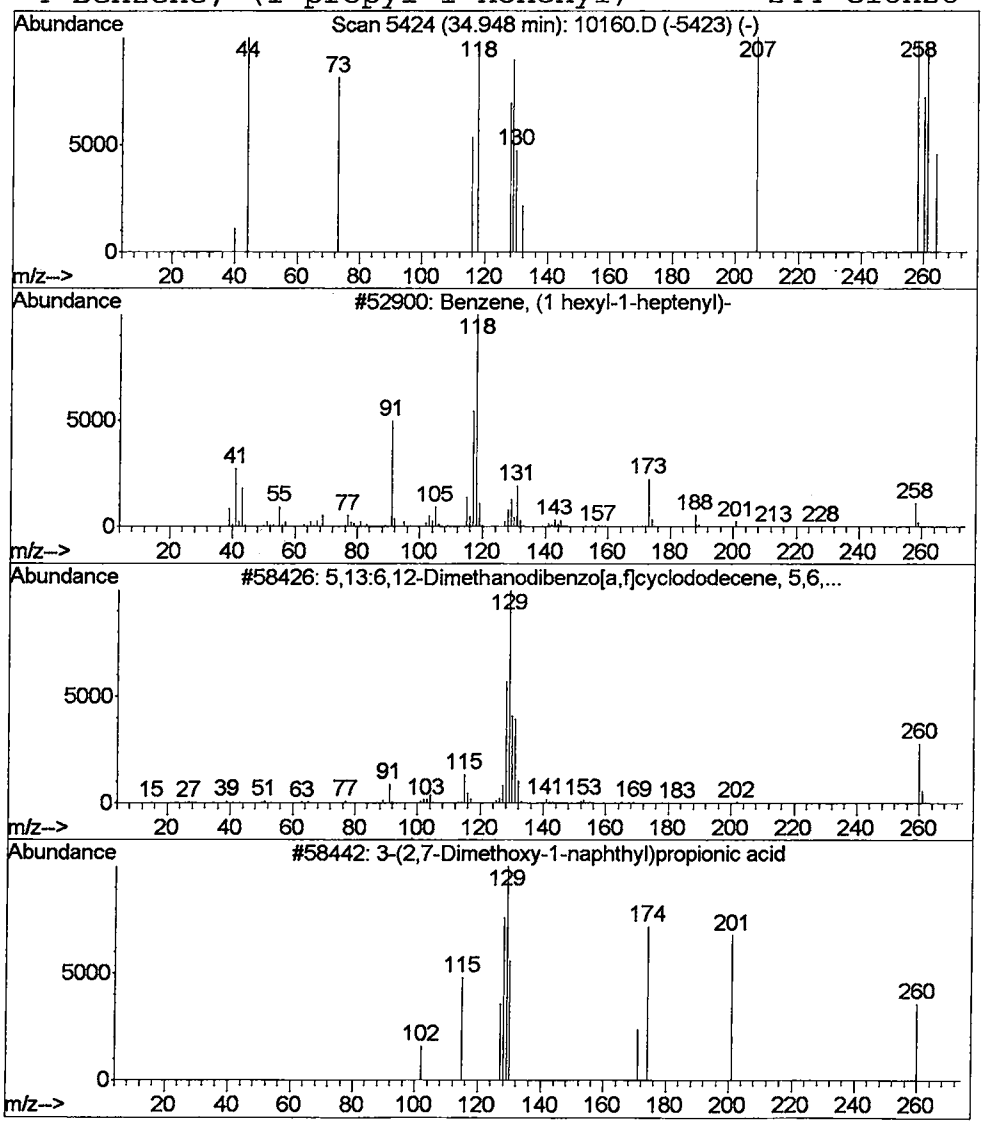
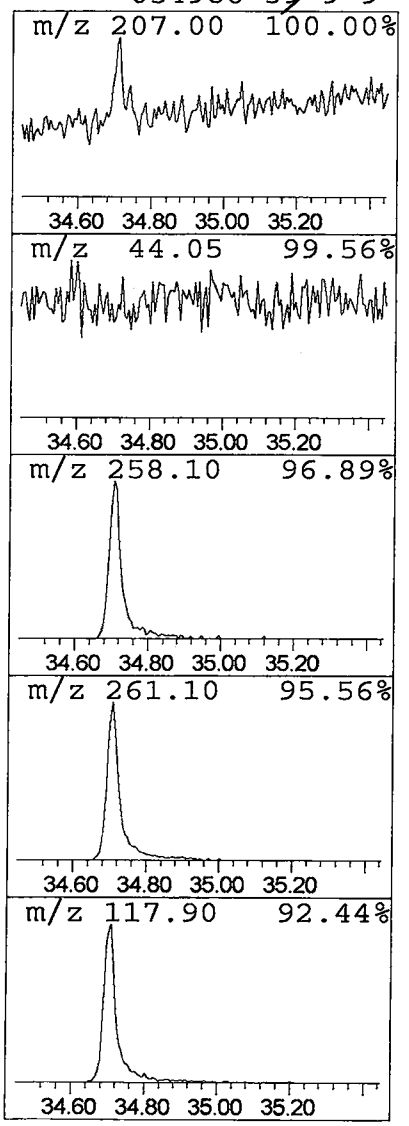
Peak Number 9 Benzene, (1 hexyl-1-heptenyl)- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
34.95	0.21 ug/L	134707	Perylene-d12	34.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1 hexyl-1-heptenyl)-	258	C19H30	055030-46-1	9
2	5,13:6,12-Dimethanodibenzo[a,f]c...	260	C20H20	074985-66-3	9
3	3-(2,7-Dimethoxy-1-naphthyl)prop...	260	C15H16O4	032834-63-2	9
4	Benzene, (1-propyl-1-nonenyl)-	244	C18H28	054986-39-9	9





Operator ID: Mclean Date Acquired: 13 May 2002 6:49 pm
Data File: C:\MSDCHEM\1\DATA\051302\10160.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
3-Buten-2-ol, 2-m...	4.95	0.3	ug/L	252415	1	9.94	32647900	40.0
3-Hexen-2-one	5.03	0.2	ug/L	177600	1	9.94	32647900	40.0
Cyclotrisiloxane,...	5.42	0.2	ug/L	179575	1	9.94	32647900	40.0
1-Trifluoroacetox...	5.64	0.3	ug/L	221527	1	9.94	32647900	40.0
2-Pentanone, 4-hy...	5.97	17.4	ug/L	14210700	1	9.94	32647900	40.0
4-Penten-2-one, 3...	7.73	0.4	ug/L	295787	1	9.94	32647900	40.0
Anthracene, 2-met...	22.58	0.3	ug/L	312982	4	22.95	45590200	40.0
Anthracene-d10-	23.11	0.4	ug/L	477470	4	22.95	45590200	40.0
Benzene, (1 hexyl...	34.95	0.2	ug/L	134707	6	34.71	26138000	40.0