User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 05/14/2002 Time: 13:55:41

Sample: AE10137
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 5/14/02 13:55 Ended: 5/14/02 13:55 Analyst: DLV
Page: 1

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

Comments for Sample AE10137 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 05-14-2002 Time: 13:56:54

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\10137.D Vial: 9
Acq On : 13 May 2002 6:00 pm Operator: Mclean
Sample : 5/9 kb Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: May 14 11:39:37 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	5354773	40.00	ug/L	0.00
10) Napthalene-d8	13.43	136	21125252	40.00	ug/L	0.00
17) Acenapthalene-d10	18.57	164	11376761	40.00	ug/L	0.00
29) Phenanthranene-d10	22.95	188	16315157	40.00	ug/L	0.00
37) Chrysene-d12	30.81	240	11180635	40.00	ug/L	0.00
43) Perylene-d12	34.71	264	6637839	40.00	ug/L	0.00
System Monitoring Compounds						
27) TCMX	20.55	209	2472852	35.80	ug/L	0.00
Spiked Amount 40.000			Recovery = 89.50%			
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	20.54	77	43755	N.D.		
30) Nnitrosodiphenylamine	20.55	169	46732	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
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	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	28285	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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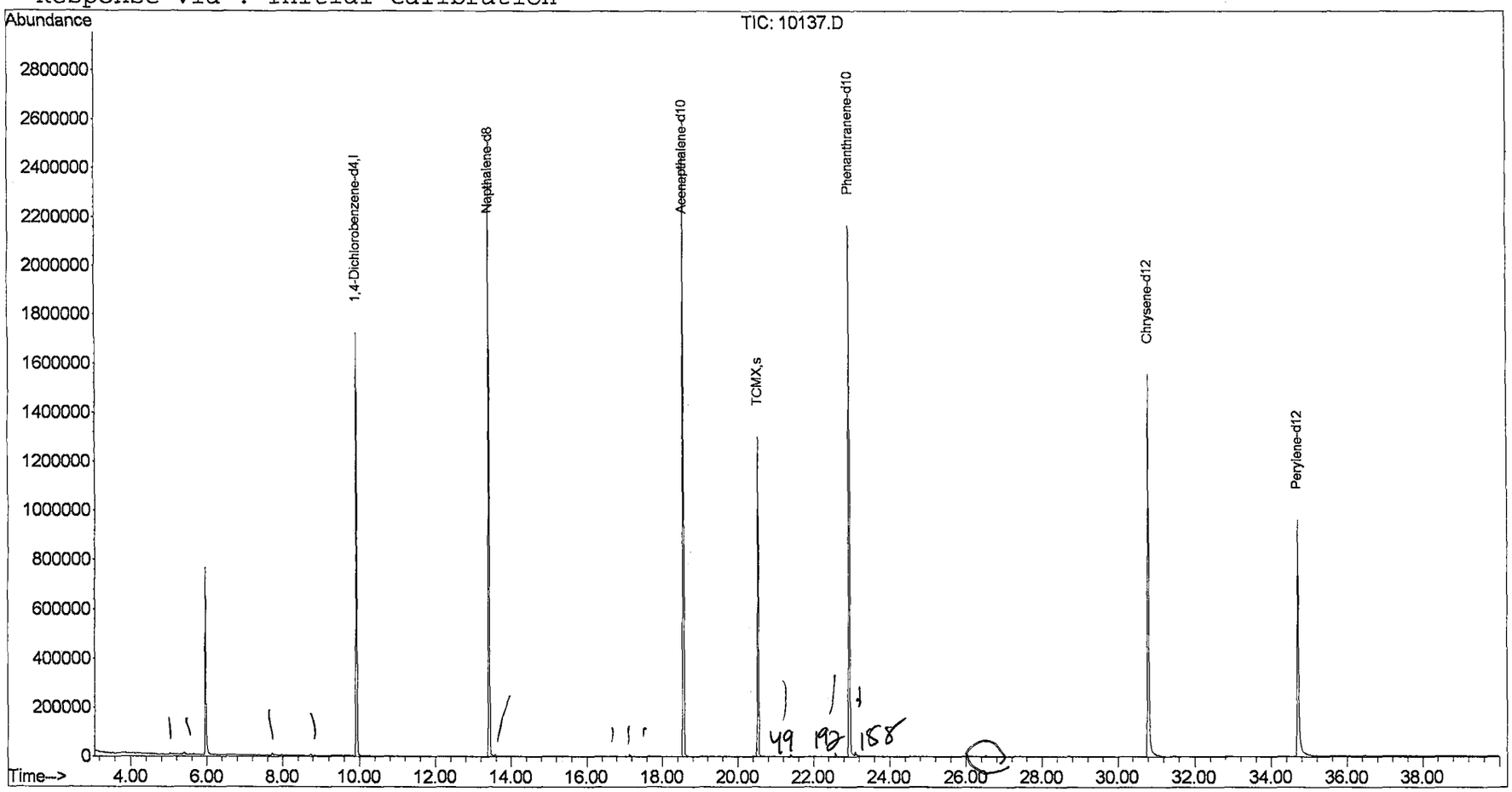
Title : 508 Modified GC/MS scan
Last Update : Mon May 13 11:40:29 2002
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\MSDCHEM\1\DATA\051302\10137.D
Acq On : 13 May 2002 6:00 pm
Sample : 5/9 kb
Misc :
MS Integration Params: LSCINT.e

Vial: 9
Operator: Mclean
Inst : Instrumen
Multiplr: 1.00

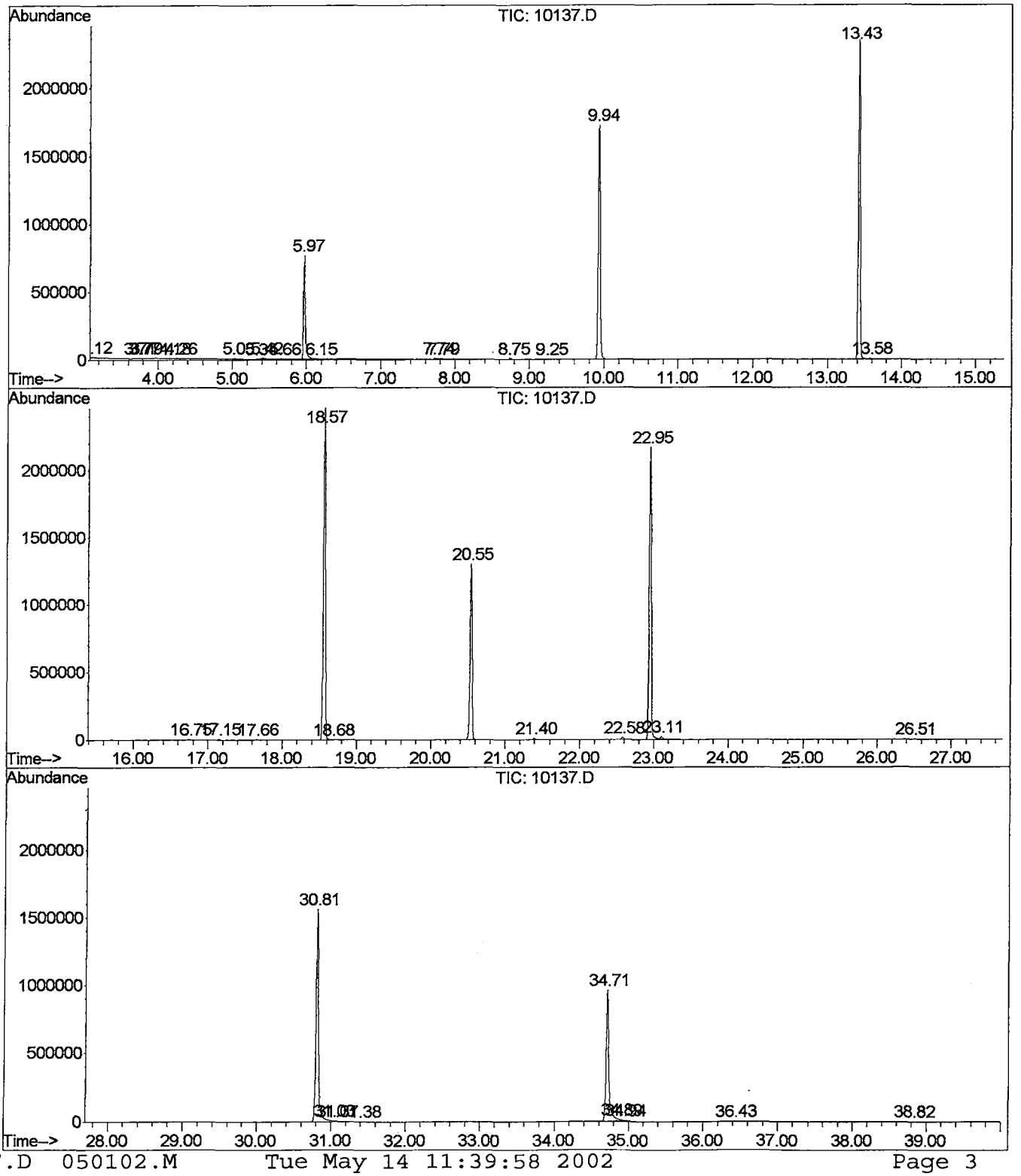
Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.120	3	7	19	BV 4	3260	50874	0.11%	0.019%
2	3.708	96	107	116	PV 10	3367	181509	0.39%	0.068%
3	3.767	116	117	120	VV 3	3313	46867	0.10%	0.018%
4	3.790	120	121	123	VV 2	3215	32837	0.07%	0.012%
5	4.178	182	187	196	VV 7	2938	101743	0.22%	0.038%
6	4.260	196	201	205	VV 4	3716	72729	0.16%	0.027%
7	5.036	327	333	347	PV 7	6596	189478	0.41%	0.071%
8	5.341	376	385	387	PV 7	1754	39703	0.09%	0.015%
9	5.418	387	398	408	VV 2	8243	271029	0.58%	0.102%
10	5.665	438	440	442	VV 3	2599	25786	0.06%	0.010%
11	5.970	486	492	520	VV	740062	12792213	27.50%	4.797%
12	6.146	520	522	528	VV 4	2534	55660	0.12%	0.021%
13	7.739	783	793	801	PV 3	6680	157294	0.34%	0.059%
14	7.792	801	802	805	VV 2	1968	14926	0.03%	0.006%
15	8.743	959	964	976	PV 2	5684	116105	0.25%	0.044%
16	9.255	1040	1051	1059	PV 6	2216	41457	0.09%	0.016%
17	9.936	1157	1167	1185	PV	1724301	32327357	69.49%	12.121%
18	13.432	1752	1762	1782	PV	2347707	43248571	92.97%	16.216%
19	13.585	1782	1788	1793	VV 3	6771	126140	0.27%	0.047%
20	16.752	2317	2327	2332	VV 2	3083	63695	0.14%	0.024%
21	17.151	2382	2395	2401	PV 6	7448	125312	0.27%	0.047%
22	17.662	2476	2482	2493	PV 2	3003	53753	0.12%	0.020%
23	18.567	2609	2636	2653	PV	2436785	46518111	100.00%	17.442%
24	18.679	2653	2655	2659	VV 4	1290	10740	0.02%	0.004%
25	20.547	2954	2973	2984	PV	1289708	24565444	52.81%	9.211%
26	21.399	3106	3118	3124	VV 5	10318	166096	0.36%	0.062%
27	22.580	3309	3319	3334	PV 2	15522	294081	0.63%	0.110%
28	22.951	3371	3382	3404	PV 2	2136603	44745993	96.19%	16.778%
29	23.109	3404	3409	3429	VV 2	19206	500793	1.08%	0.188%
30	26.505	3980	3987	4002	VV 3	4373	97018	0.21%	0.036%
31	30.806	4705	4719	4756	PV 2	1535325	34962934	75.16%	13.110%
32	31.029	4756	4757	4762	VV 4	5806	114115	0.25%	0.043%
33	31.071	4762	4764	4769	VV 3	4386	86766	0.19%	0.033%
34	31.382	4808	4817	4823	PV 8	3039	50754	0.11%	0.019%
35	34.708	5372	5383	5413	PV	954298	24157377	51.93%	9.058%
36	34.890	5413	5414	5421	VV 6	9140	184601	0.40%	0.069%
37	34.943	5421	5423	5428	VV 5	3907	58197	0.13%	0.022%

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\DATA\051302\10137.D
Operator : Mclean
Acquired : 13 May 2002 6:00 pm using AcqMethod 508SCAN
Instrument : Instrumen
Sample Name: 5/9 kb
Misc Info :
Vial Number: 9
Quant File :050102.RES (Chemstation Integrator)



Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\051302\10137.D Vial: 9
Acq On : 13 May 2002 6:00 pm Operator: Mclean
Sample : 5/9 kb Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

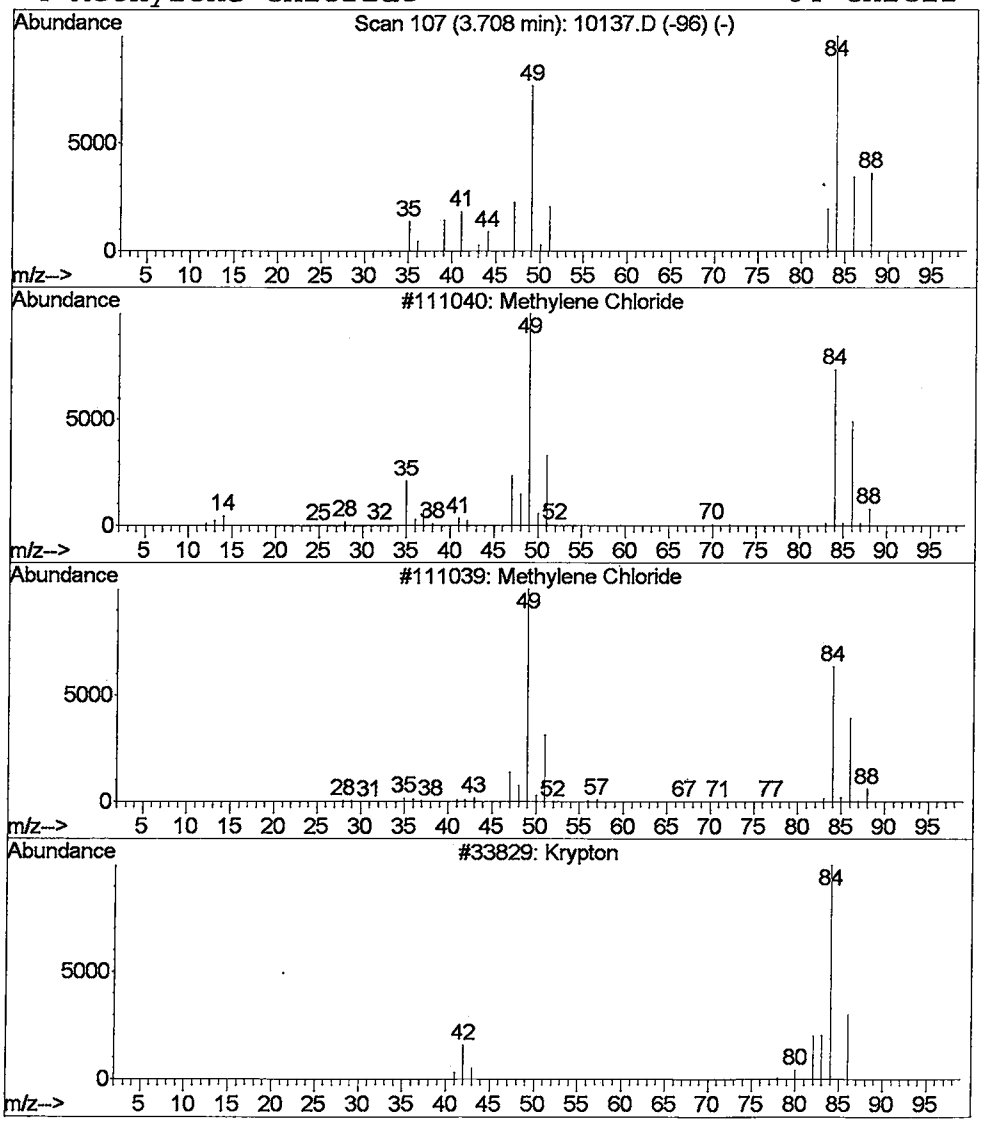
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

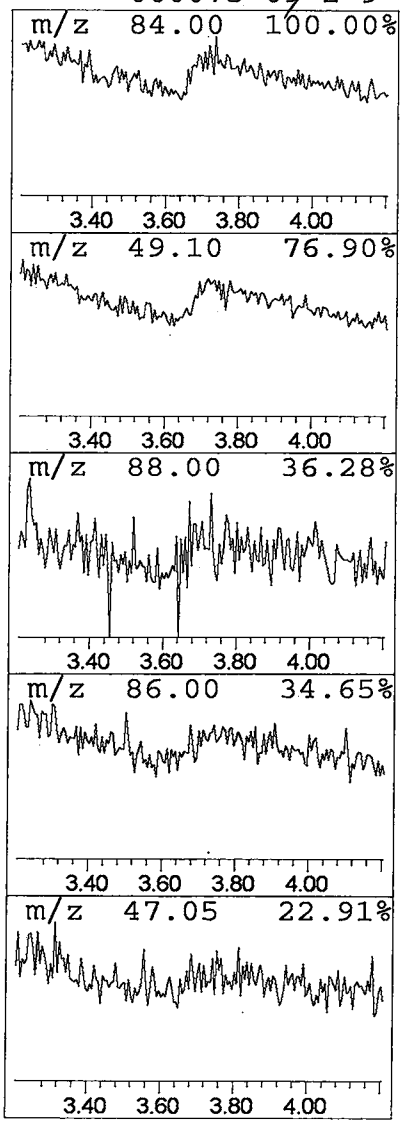
****

Peak Number 1 Methylene Chloride Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.71	0.22 ug/L	181509	1,4-Dichlorobenzene-d4	9.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methylene Chloride	84	CH2Cl2	000075-09-2	64
2	Methylene Chloride	84	CH2Cl2	000075-09-2	39
3	Krypton	84	Kr	007439-90-9	9
4	Methylene Chloride	84	CH2Cl2	000075-09-2	9





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\051302\10137.D Vial: 9
Acq On : 13 May 2002 6:00 pm Operator: Mclean
Sample : 5/9 kb Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

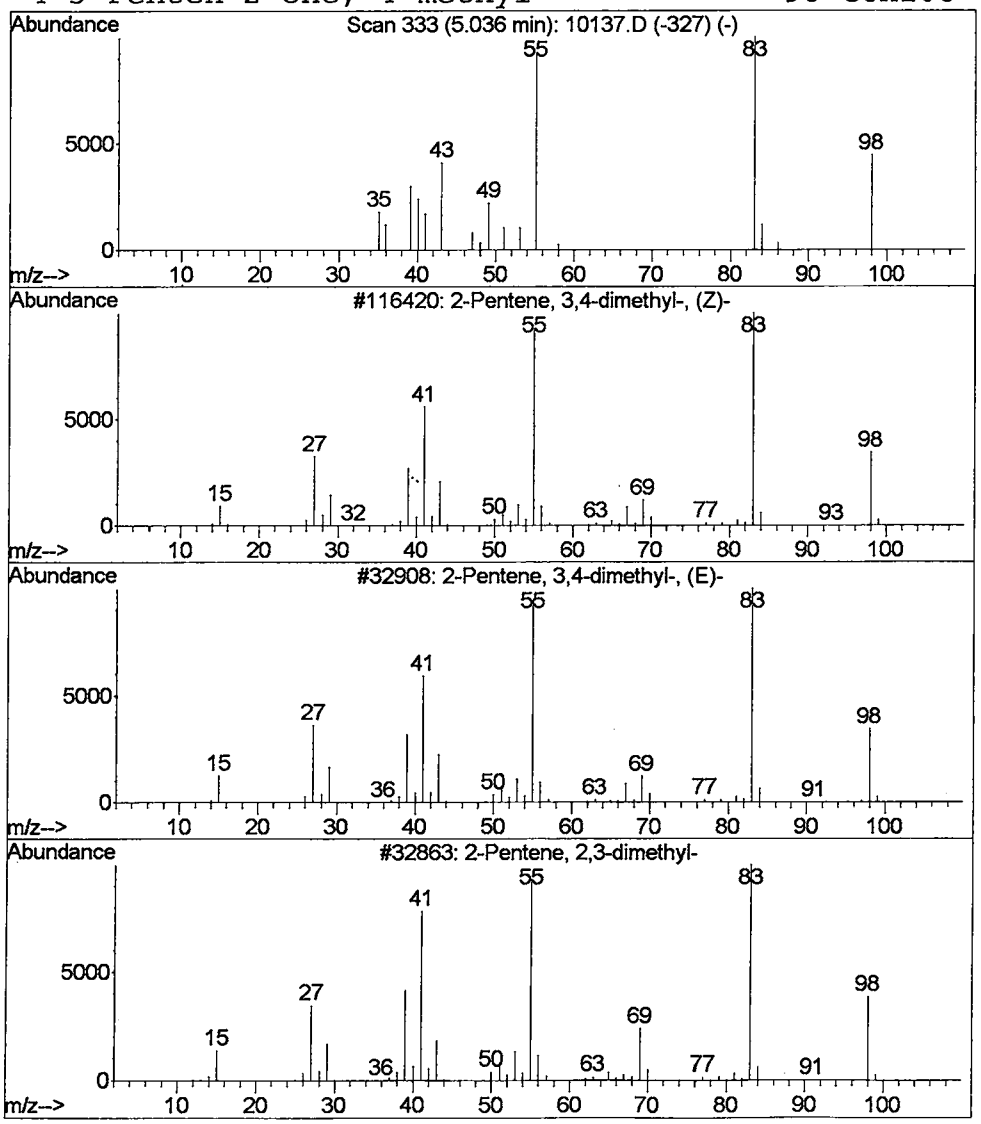
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

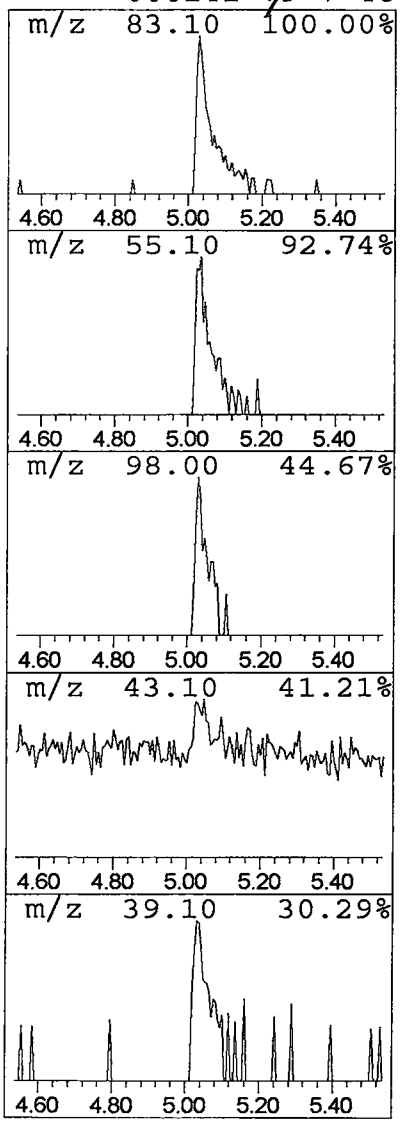
****

Peak Number 2 2-Pentene, 3,4-dimethyl-, (Z)- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.03	0.23 ug/L	189478	1,4-Dichlorobenzene-d4	9.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, 3,4-dimethyl-, (Z)-	98	C7H14	004914-91-4	49
2	2-Pentene, 3,4-dimethyl-, (E)-	98	C7H14	004914-92-5	49
3	2-Pentene, 2,3-dimethyl-	98	C7H14	010574-37-5	49
4	3-Penten-2-one, 4-methyl-	98	C6H10O	000141-79-7	46





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\051302\10137.D Vial: 9
Acq On : 13 May 2002 6:00 pm Operator: Mclean
Sample : 5/9 kb Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

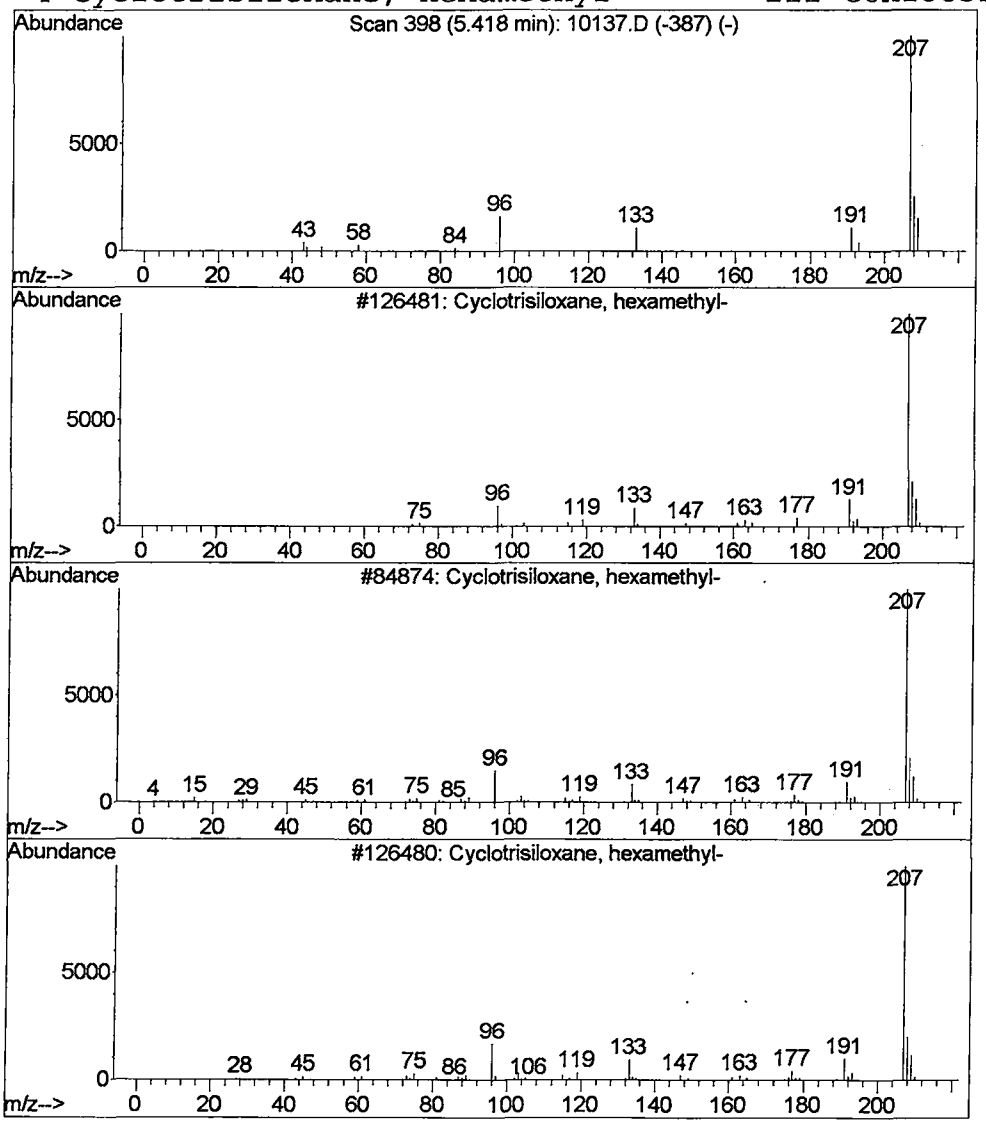
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

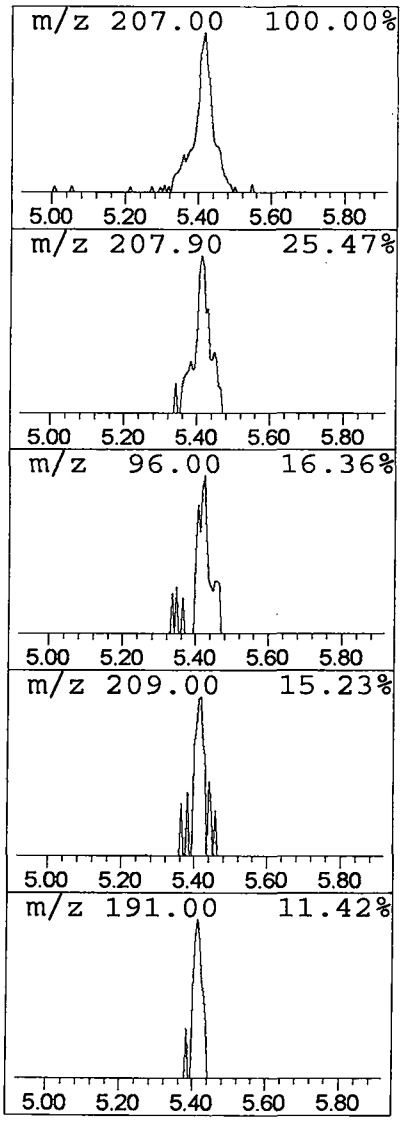
****

Peak Number 3 Cyclotrisiloxane, hexamethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.42	0.34 ug/L	271029	1,4-Dichlorobenzene-d4	9.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclotrisiloxane, hexamethyl-	222	C6H18O3Si3	000541-05-9	83
2	Cyclotrisiloxane, hexamethyl-	222	C6H18O3Si3	000541-05-9	83
3	Cyclotrisiloxane, hexamethyl-	222	C6H18O3Si3	000541-05-9	83
4	Cyclotrisiloxane, hexamethyl-	222	C6H18O3Si3	000541-05-9	40





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\051302\10137.D
Acq On : 13 May 2002 6:00 pm
Sample : 5/9 kb
Misc :
MS Integration Params: LSCINT.e

Vial: 9
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

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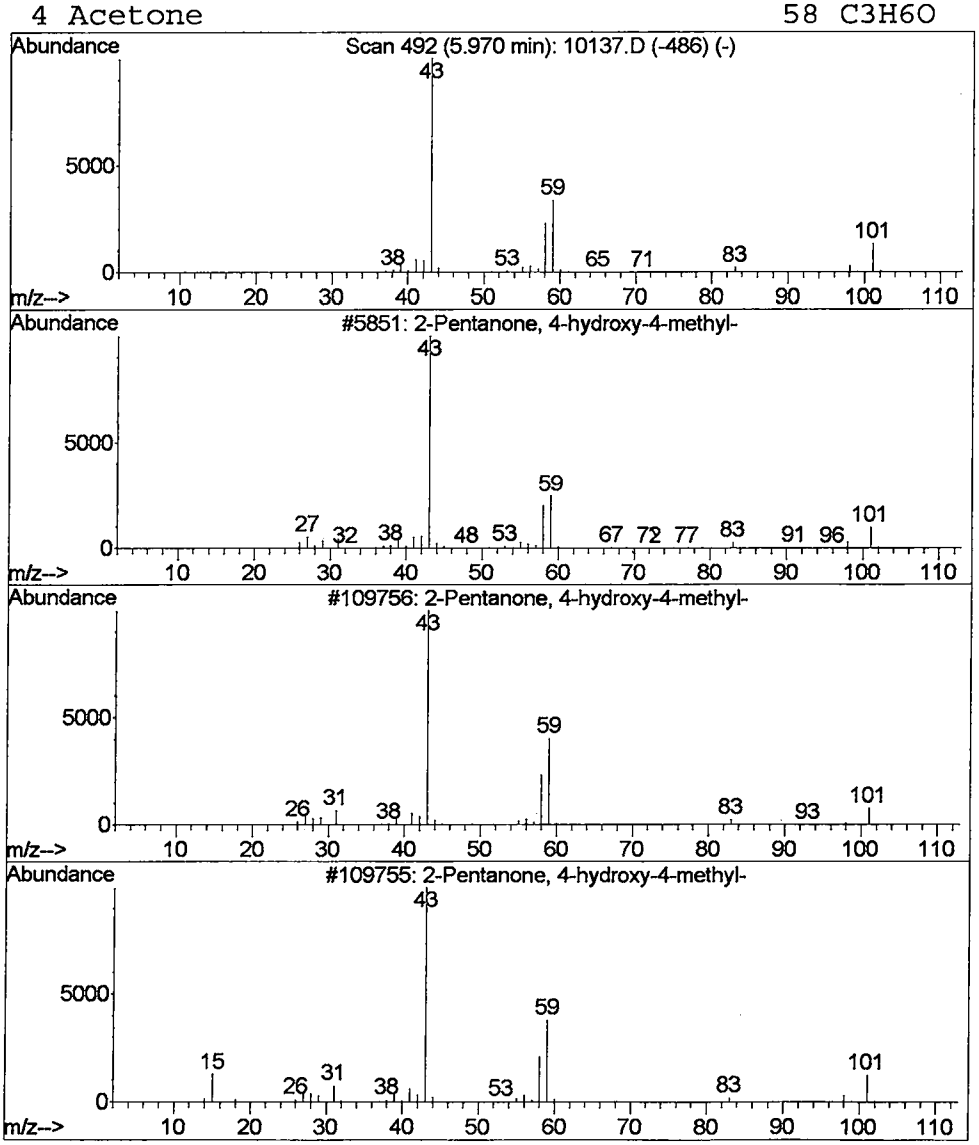
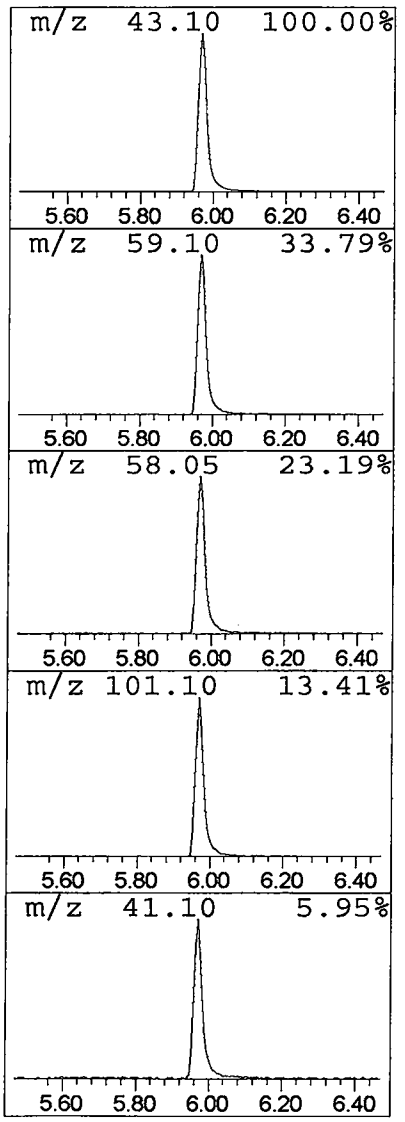
Peak Number 4 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.97	15.83 ug/L	12792200	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

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Acq On : 13 May 2002 6:00 pm Operator: Mclean
Sample : 5/9 kb Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

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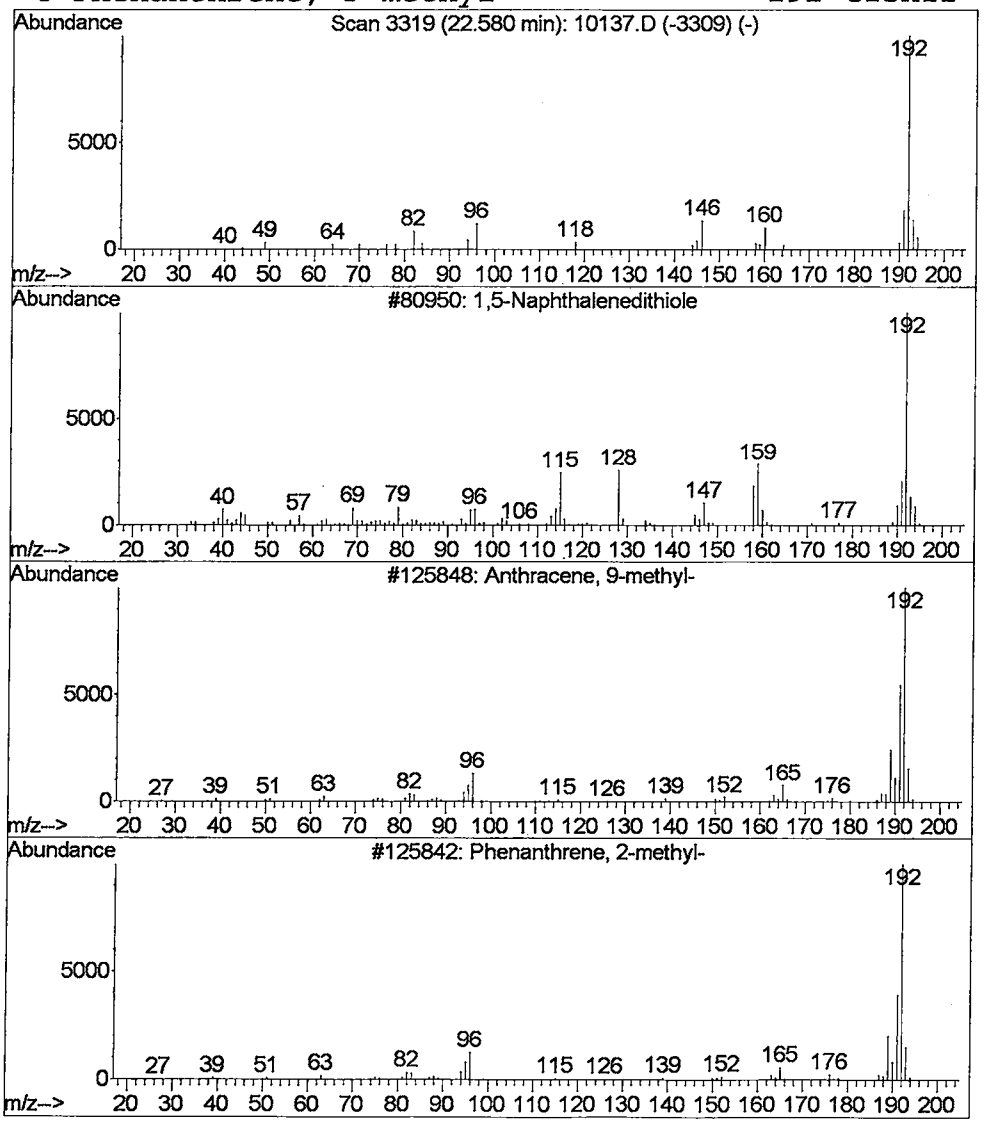
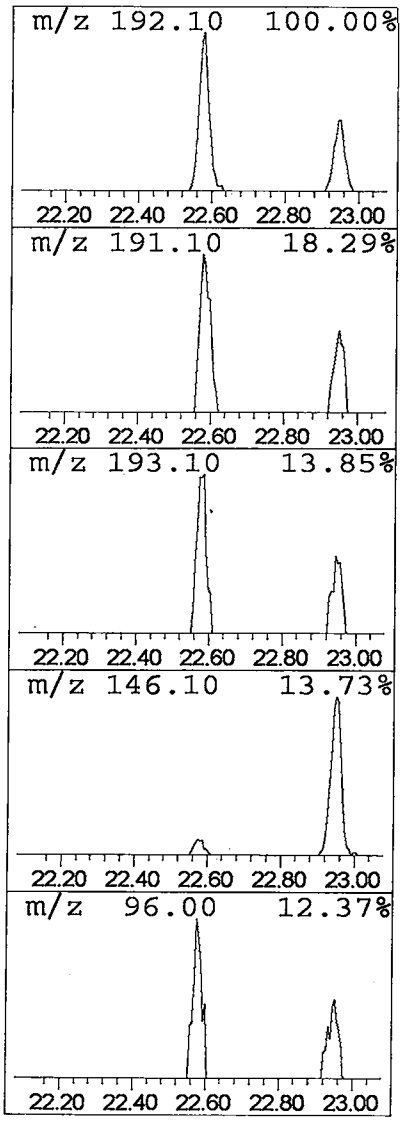
Peak Number 5 1,5-Naphthalenedithiole Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.58	0.26 ug/L	294081	Phenanthranene-d10	22.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,5-Naphthalenedithiole	192	C10H8S2	1000223-69-5	45
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	42
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	42
4	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	42





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\051302\10137.D Vial: 9
Acq On : 13 May 2002 6:00 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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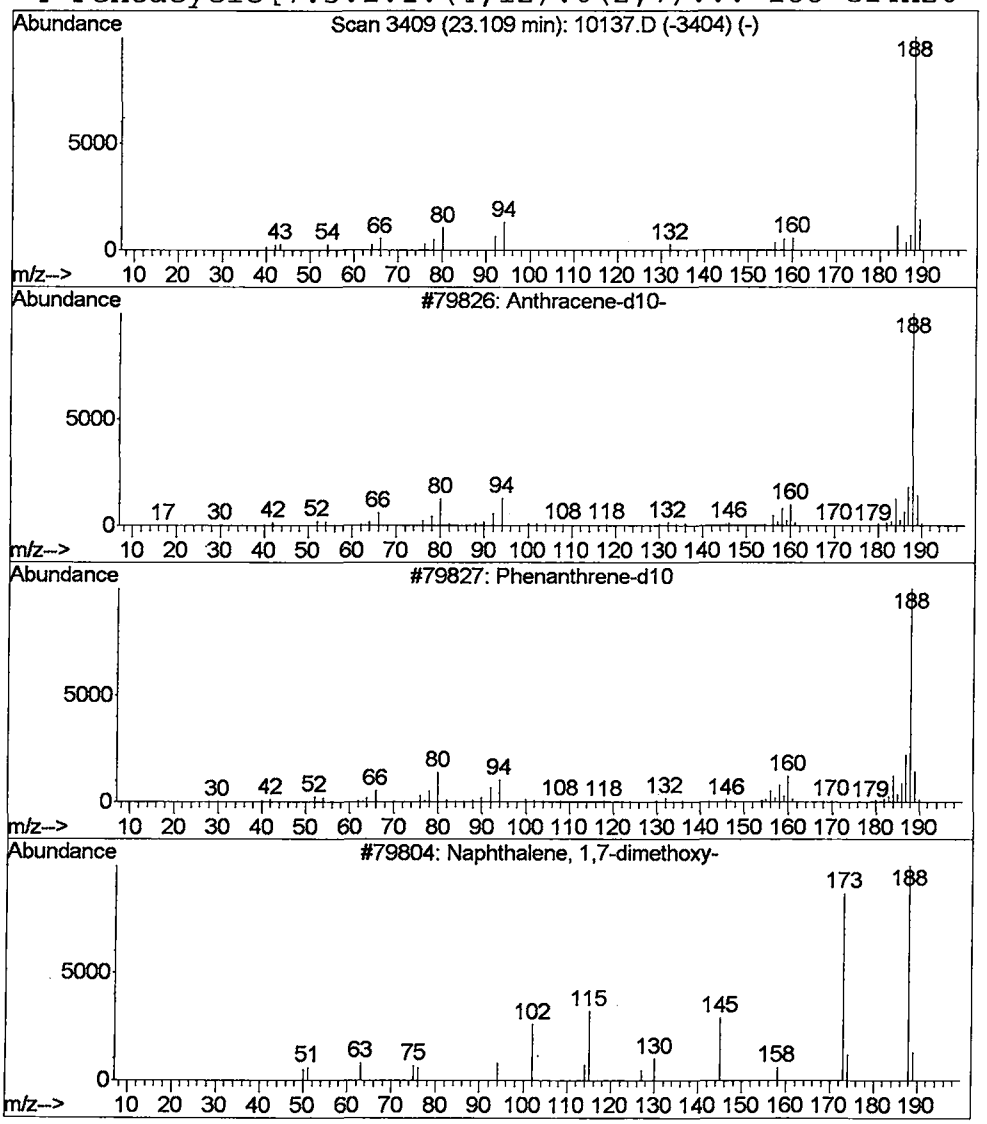
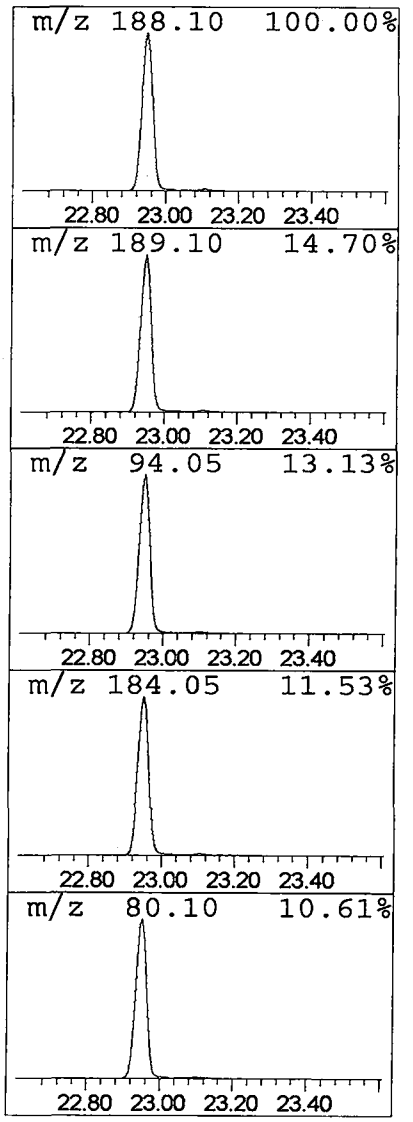
Peak Number 6 Anthracene-d10- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.11	0.45 ug/L	500793	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	78
3	Naphthalene, 1,7-dimethoxy-	188	C12H12O2	005309-18-2	36
4	Pentacyclo[7.3.1.1.(4,12).0(2,7)...	188	C14H20	1000215-61-8	36





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\051302\10137.D Vial: 9
Acq On : 13 May 2002 6:00 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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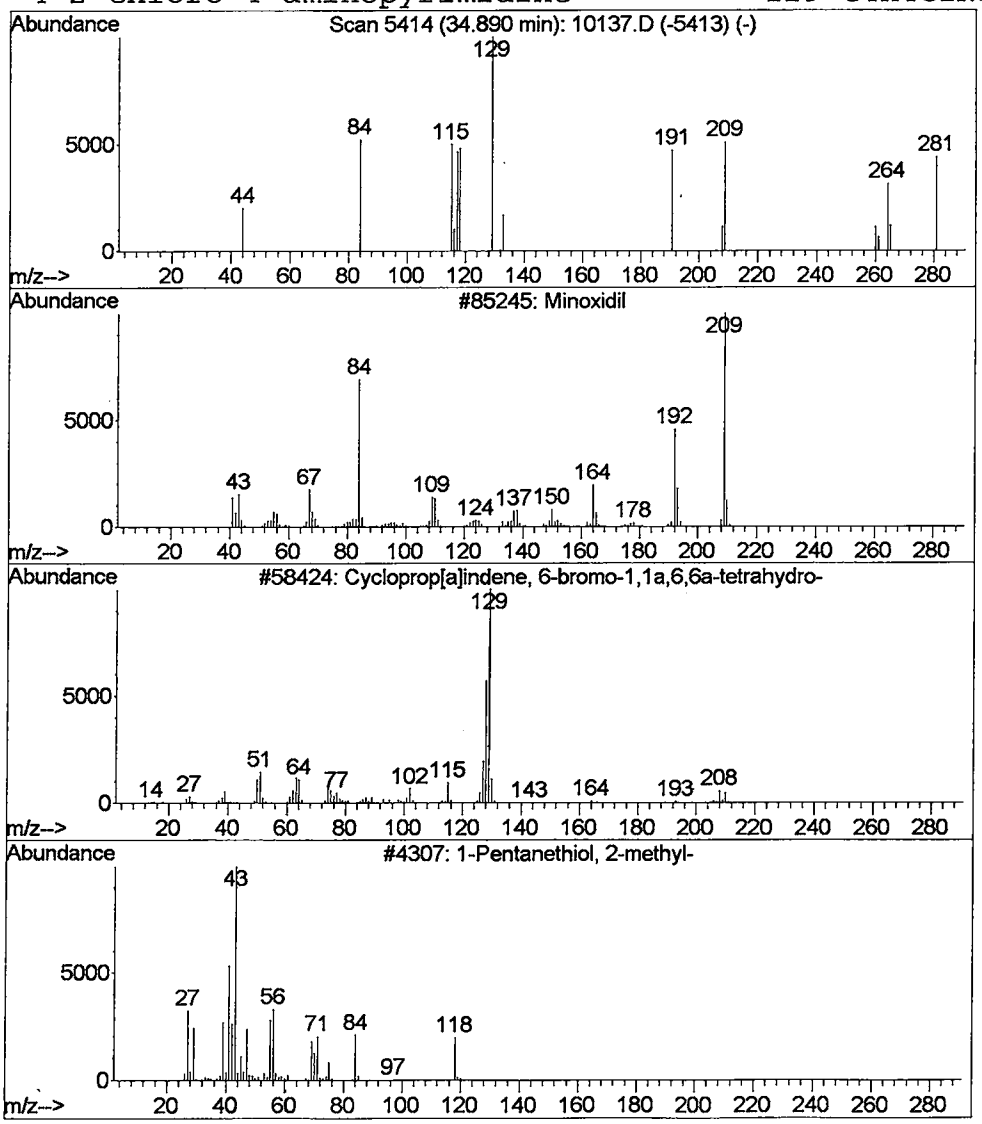
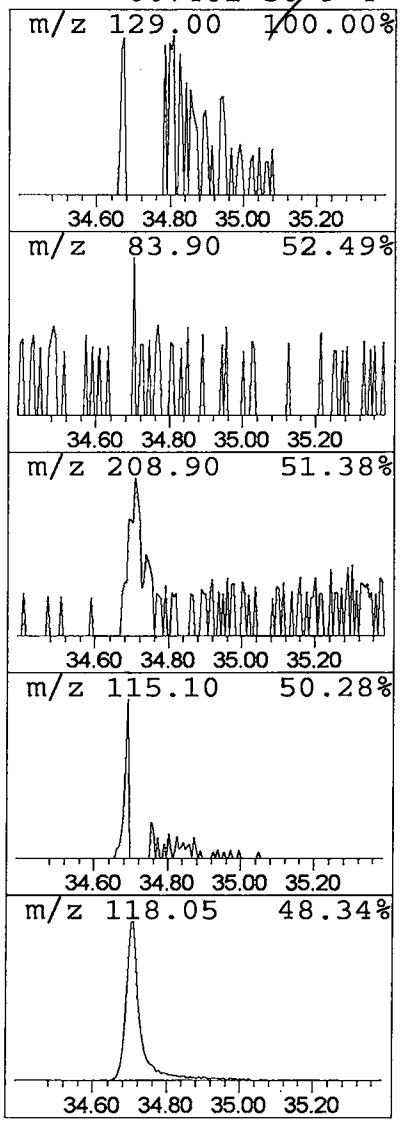
Peak Number 7 Minoxidil Concentration Rank 4

R.T.	EstConc.	Area	Relative to ISTD	R.T.
34.89	0.31 ug/L	184601	Perylene-d12	34.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Minoxidil	209	C9H15N5O	038304-91-5	5
2	Cycloprop[a]indene, 6-bromo-1,1a...	208	C10H9Br	055780-41-1	4
3	1-Pentanethiol, 2-methyl-	118	C6H14S	001633-89-2	4
4	2-Chloro-4-aminopyrimidine	129	C4H4ClN3	007461-50-9	4





Tentatively Identified Compound (LSC) summary

Operator ID: Mclean Date Acquired: 13 May 2002 6:00 pm
Data File: C:\MSDCHEM\1\DATA\051302\10137.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--- #	RT	Resp	Conc
Methylene Chloride	3.71	0.2	ug/L	181509	1	9.94	32327400	40.0
2-Pentene, 3,4-di...	5.03	0.2	ug/L	189478	1	9.94	32327400	40.0
Cyclotrisiloxane,...	5.42	0.3	ug/L	271029	1	9.94	32327400	40.0
2-Pentanone, 4-hy...	5.97	15.8	ug/L	12792200	1	9.94	32327400	40.0
1,5-Naphthalenedi...	22.58	0.3	ug/L	294081	4	22.95	44746000	40.0
Anthracene-d10-	23.11	0.4	ug/L	500793	4	22.95	44746000	40.0
Minoxidil	34.89	0.3	ug/L	184601	6	34.71	24157400	40.0