User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 05/21/2002 Time: 11:51:28

Sample: AE10895
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 5/21/02 11:51 Ended: 5/21/02 11:51 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 AE10895 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 05-21-2002 Time: 11:52:08

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\051602\10895.D Vial: 8
Acq On : 16 May 2002 8:14 pm Operator: Mclean
Sample : 5/10 eh Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: May 17 09:44:53 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	4486162	40.00	ug/L	0.00
10) Napthalene-d8	13.43	136	17753956	40.00	ug/L	0.00
17) Acenapthalene-d10	18.57	164	9567790	40.00	ug/L	0.00
29) Phenanthranene-d10	22.95	188	13381965	40.00	ug/L	0.00
37) Chrysene-d12	30.80	240	8911563	40.00	ug/L	0.00
43) Perylene-d12	34.70	264	5066834	40.00	ug/L	0.00
System Monitoring Compounds						
27) TCMX	20.54	209	2125217	36.59	ug/L	0.00
Spiked Amount 40.000			Recovery = 91.48%			
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	36821	N.D.		
30) Nnitrosodiphenylamine	20.54	169	40232	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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Acq On : 16 May 2002 8:14 pm Operator: Mclean
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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

	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	30.80	228	19441	N.D.	
41)	Bis(2-ethylhexyl)phthalate	31.37	149	85034	0.39 ug/L	94
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)

Data File : C:\MSDCHEM\1\DATA\051602\10895.D Vial: 8
Acq On : 16 May 2002 8:14 pm Operator: Mclean
Sample : 5/10 eh Inst : Instrumen
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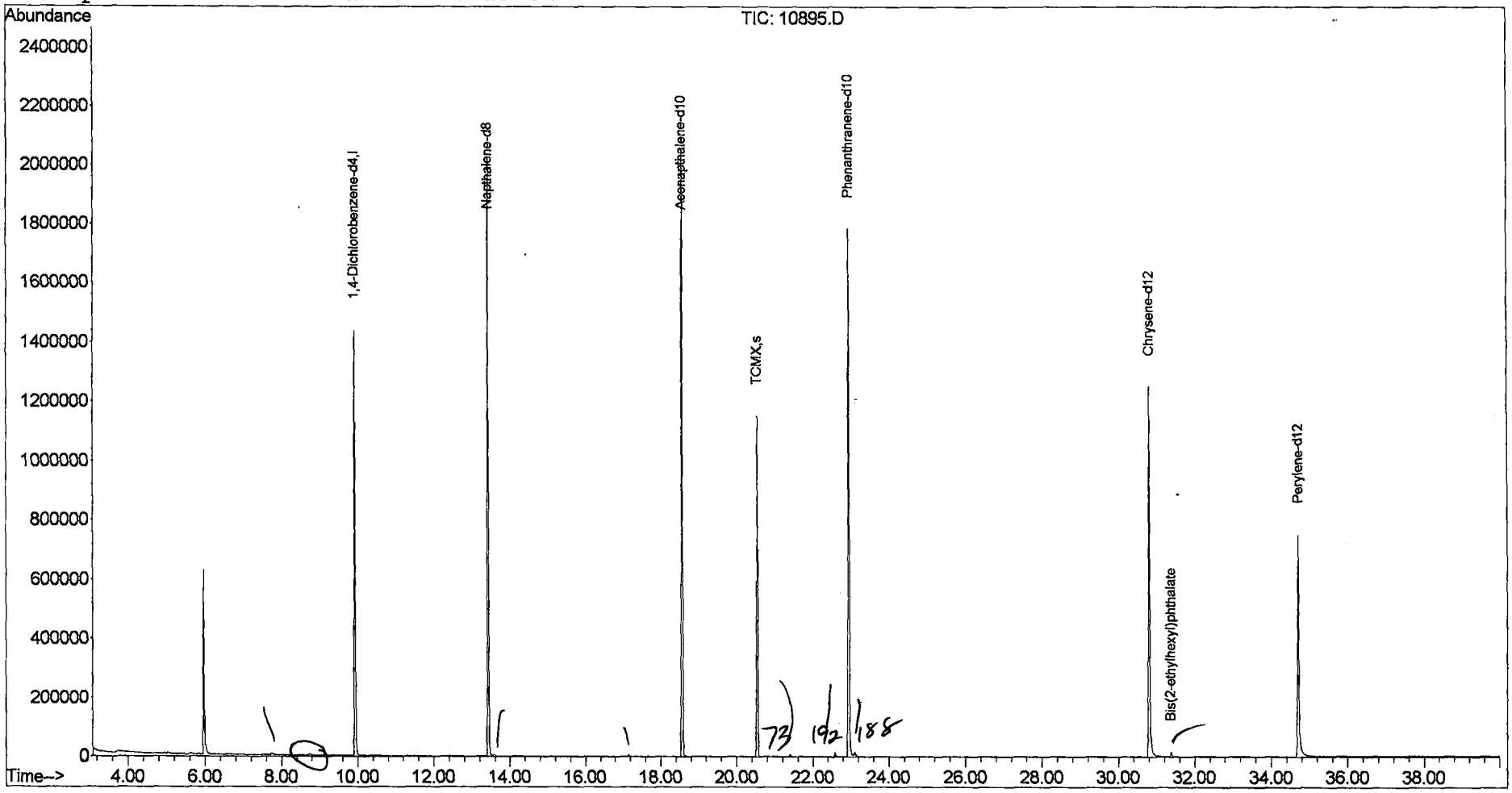
Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Last Update : Mon May 13 11:40:29 2002
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\MSDCHEM\1\DATA\051602\10895.D Vial: 8
Acq On : 16 May 2002 8:14 pm Operator: Mclean
Sample : 5/10 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

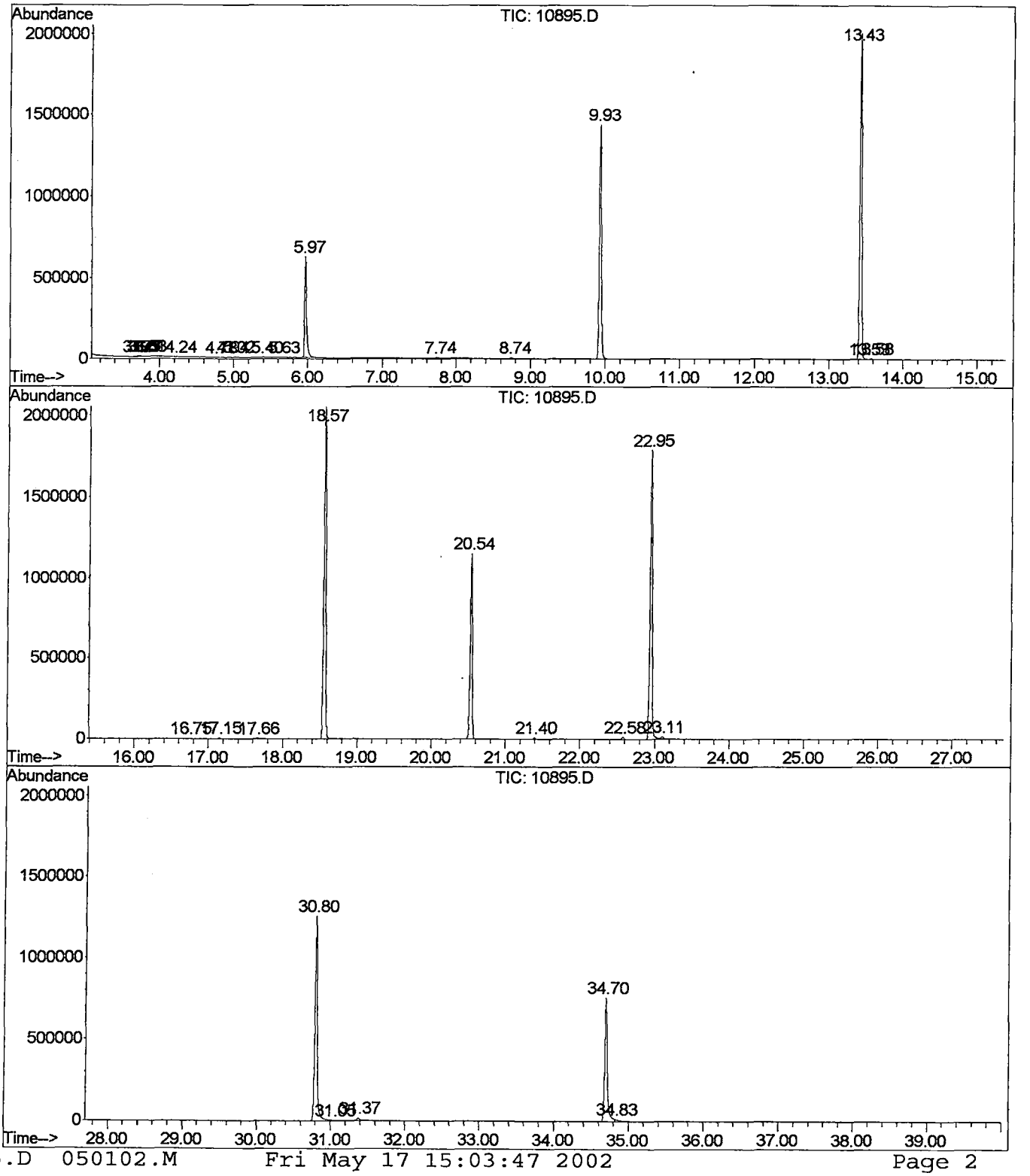
Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.667	92	100	102	PV 7	2588	33220	0.08%	0.015%
2	3.725	102	110	113	VV 7	3886	120847	0.31%	0.055%
3	3.749	113	114	116	VV 2	3459	31478	0.08%	0.014%
4	3.773	116	118	123	VV 5	2135	42574	0.11%	0.019%
5	3.814	123	125	126	VV 2	1692	12939	0.03%	0.006%
6	3.831	126	128	132	VV 4	2186	24343	0.06%	0.011%
7	4.237	193	197	202	VV 3	2122	31427	0.08%	0.014%
8	4.783	285	290	294	PV 6	1890	29594	0.08%	0.013%
9	4.936	312	316	326	VV 7	4287	84409	0.22%	0.038%
10	5.024	326	331	343	VV 7	5341	154197	0.39%	0.070%
11	5.400	391	395	406	PV 6	3031	78564	0.20%	0.036%
12	5.629	428	434	448	VV 10	3102	87244	0.22%	0.040%
13	5.970	485	492	523	PV	612620	11070111	28.25%	5.030%
14	7.739	787	793	802	BV 5	5208	111464	0.28%	0.051%
15	8.743	957	964	973	PV 2	5590	108468	0.28%	0.049%
16	9.936	1157	1167	1187	PV	1406227	27034176	68.99%	12.284%
17	13.426	1750	1761	1777	BV	1971823	36213763	92.41%	16.455%
18	13.526	1777	1778	1782	VV 3	2539	33137	0.08%	0.015%
19	13.579	1782	1787	1798	VV 2	5584	118848	0.30%	0.054%
20	16.746	2322	2326	2332	PV 3	2942	43792	0.11%	0.020%
21	17.151	2390	2395	2401	VV 4	5821	98244	0.25%	0.045%
22	17.662	2474	2482	2490	VV 4	3133	55309	0.14%	0.025%
23	18.567	2624	2636	2667	BV	2061683	39188147	100.00%	17.806%
24	20.541	2960	2972	2987	PV 2	1134284	21051953	53.72%	9.566%
25	21.393	3110	3117	3126	VV 3	7987	142407	0.36%	0.065%
26	22.580	3309	3319	3327	PV	13143	241496	0.62%	0.110%
27	22.950	3367	3382	3403	PV 2	1790929	36445437	93.00%	16.560%
28	23.109	3403	3409	3426	VV 3	13836	368416	0.94%	0.167%
29	30.800	4706	4718	4759	PV 2	1230619	27910107	71.22%	12.682%
30	31.047	4759	4760	4776	VV 9	2545	111802	0.29%	0.051%
31	31.376	4806	4816	4838	PV 3	16270	373773	0.95%	0.170%
32	34.702	5371	5382	5403	PV 2	746080	18181047	46.39%	8.261%
33	34.831	5403	5404	5430	VV 7	12181	445327	1.14%	0.202%

Sum of corrected areas: 220078060

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\DATA\051602\10895.D
Operator : Mclean
Acquired : 16 May 2002 8:14 pm using AcqMethod 508SCAN
Instrument : Instrumen
Sample Name: 5/10 eh
Misc Info :
Vial Number: 8
Quant File :050102.RES (Chemstation Integrator)



Data File : C:\MSDCHEM\1\DATA\051602\10895.D Vial: 8
Acq On : 16 May 2002 8:14 pm Operator: Mclean
Sample : 5/10 eh Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

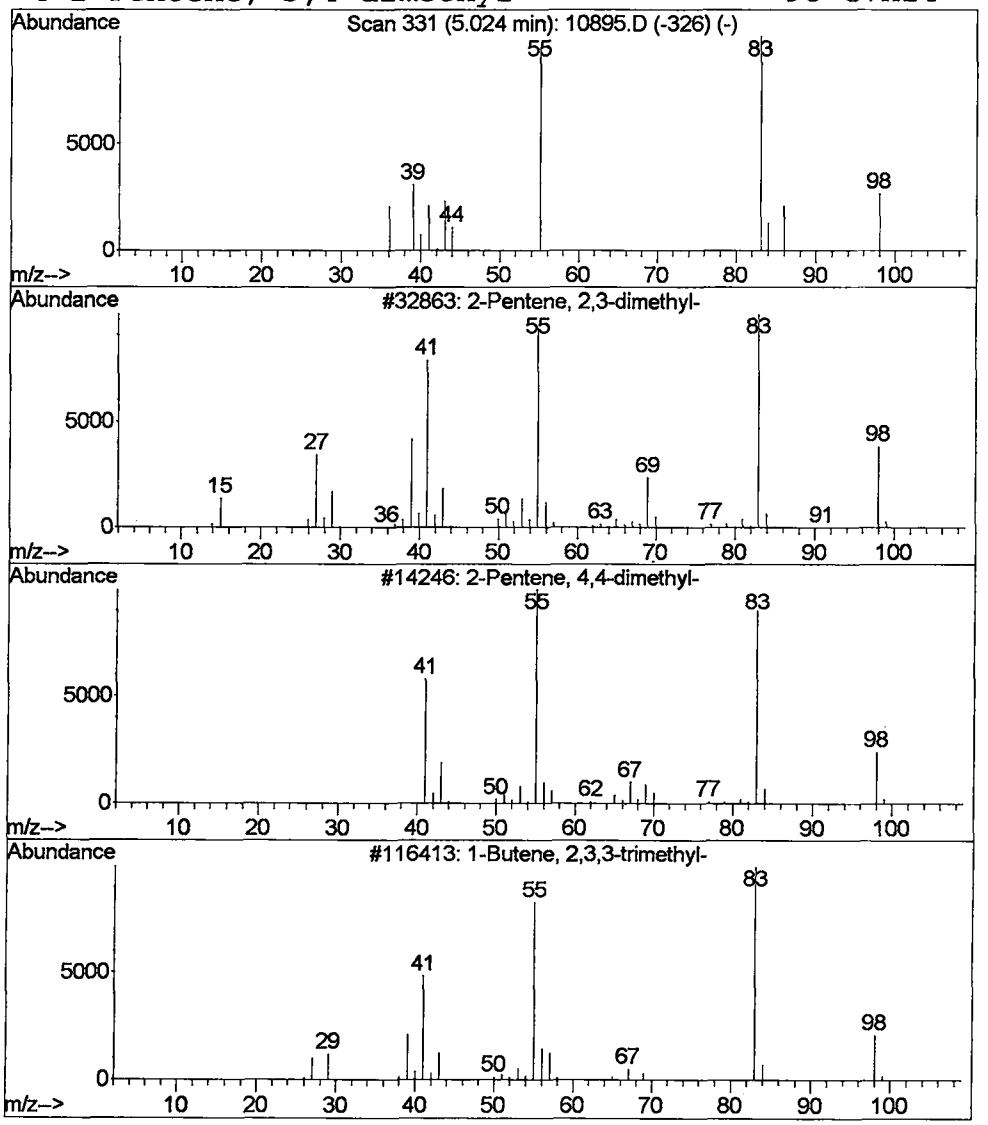
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

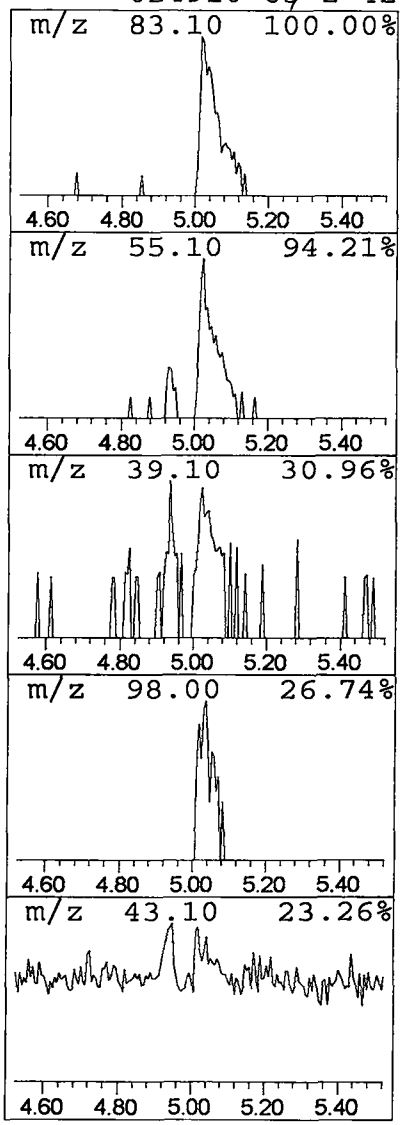
****

Peak Number 1 2-Pentene, 2,3-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.02	0.23 ug/L	154197	1,4-Dichlorobenzene-d4	9.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, 2,3-dimethyl-	98	C7H14	010574-37-5	50
2	2-Pentene, 4,4-dimethyl-	98	C7H14	026232-98-4	45
3	1-Butene, 2,3,3-trimethyl-	98	C7H14	000594-56-9	42
4	2-Pentene, 3,4-dimethyl-	98	C7H14	024910-63-2	42





Data File : C:\MSDCHEM\1\DATA\051602\10895.D Vial: 8
Acq On : 16 May 2002 8:14 pm Operator: Mclean
Sample : 5/10 eh Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

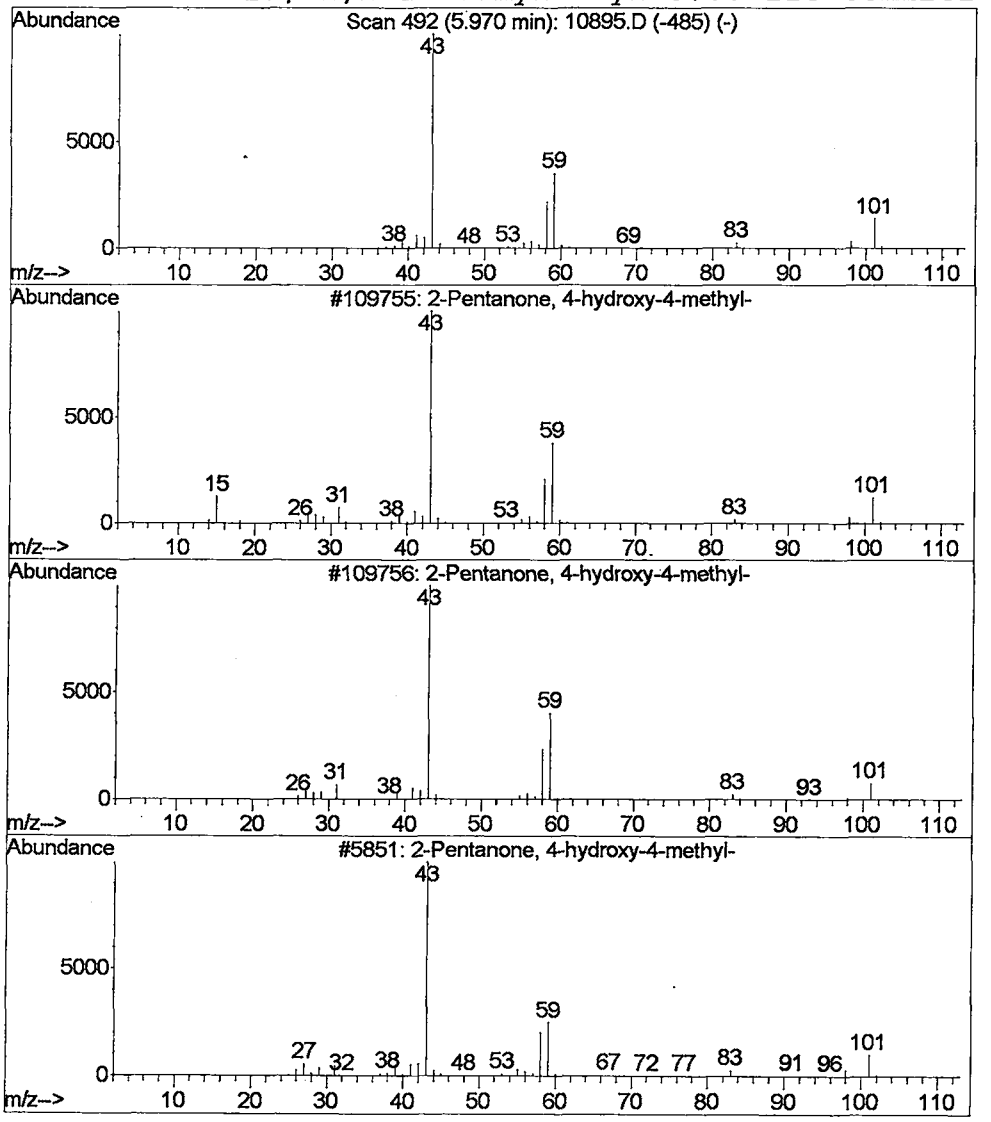
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

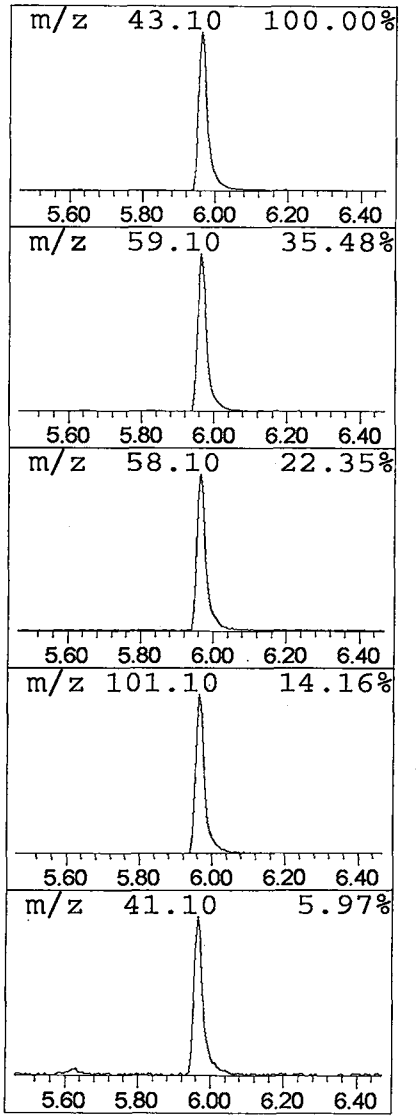
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.97	16.38 ug/L	11070100	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	83
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	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	36





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\051602\10895.D Vial: 8
Acq On : 16 May 2002 8:14 pm Operator: Mclean
Sample : 5/10 eh Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

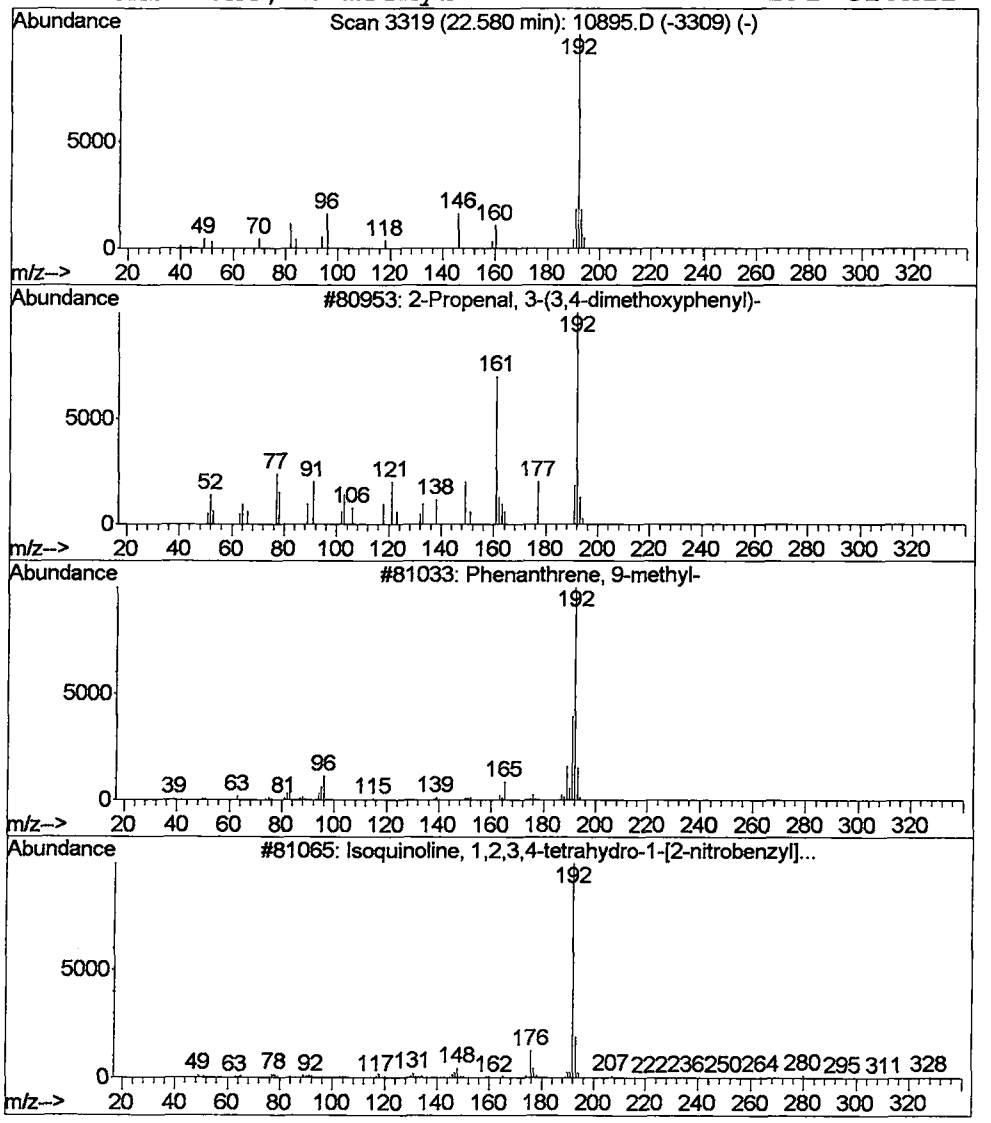
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

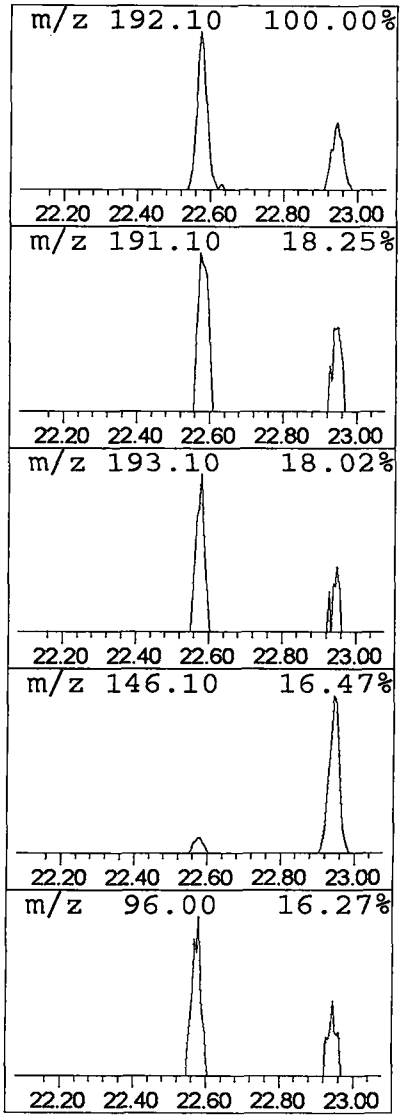
****

Peak Number 3 2-Propenal, 3-(3,4-dimethox... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.58	0.27 ug/L	241496	Phenanthranene-d10	22.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propenal, 3-(3,4-dimethoxyphen...	192	C11H12O3	004497-40-9	42
2	Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	40
3	Isoquinoline, 1,2,3,4-tetrahydro...	328	C18H20N2O4	1000128-79-2	38
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	36





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\051602\10895.D
Acq On : 16 May 2002 8:14 pm
Sample : 5/10 eh
Misc :
MS Integration Params: LSCINT.e

Vial: 8
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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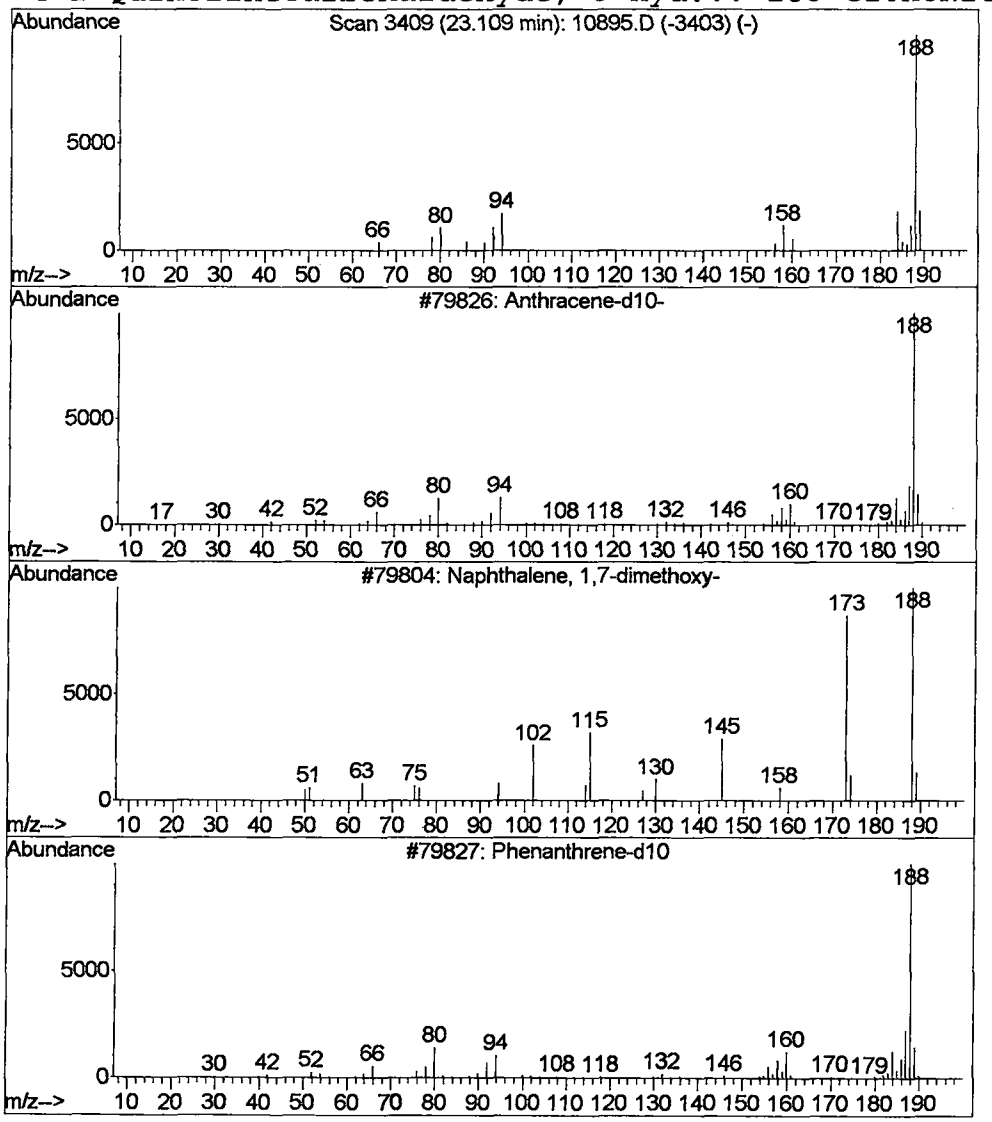
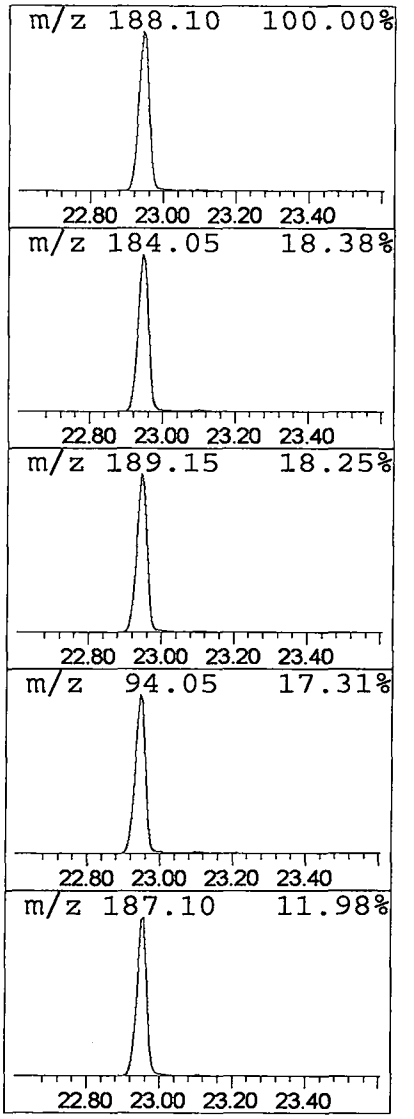
Peak Number 4 Anthracene-d10- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.11	0.40 ug/L	368416	Phenanthranene-d10	22.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene-d10-	188	C14D10	001719-06-8	80
2	Naphthalene, 1,7-dimethoxy-	188	C12H12O2	005309-18-2	42
3	Phenanthrene-d10	188	C14D10	001517-22-2	40
4	2-Quinolinecarboxaldehyde, 8-hyd...	188	C10H8N2O2	005603-22-5	9





Data File : C:\MSDCHEM\1\DATA\051602\10895.D Vial: 8
Acq On : 16 May 2002 8:14 pm Operator: Mclean
Sample : 5/10 eh Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

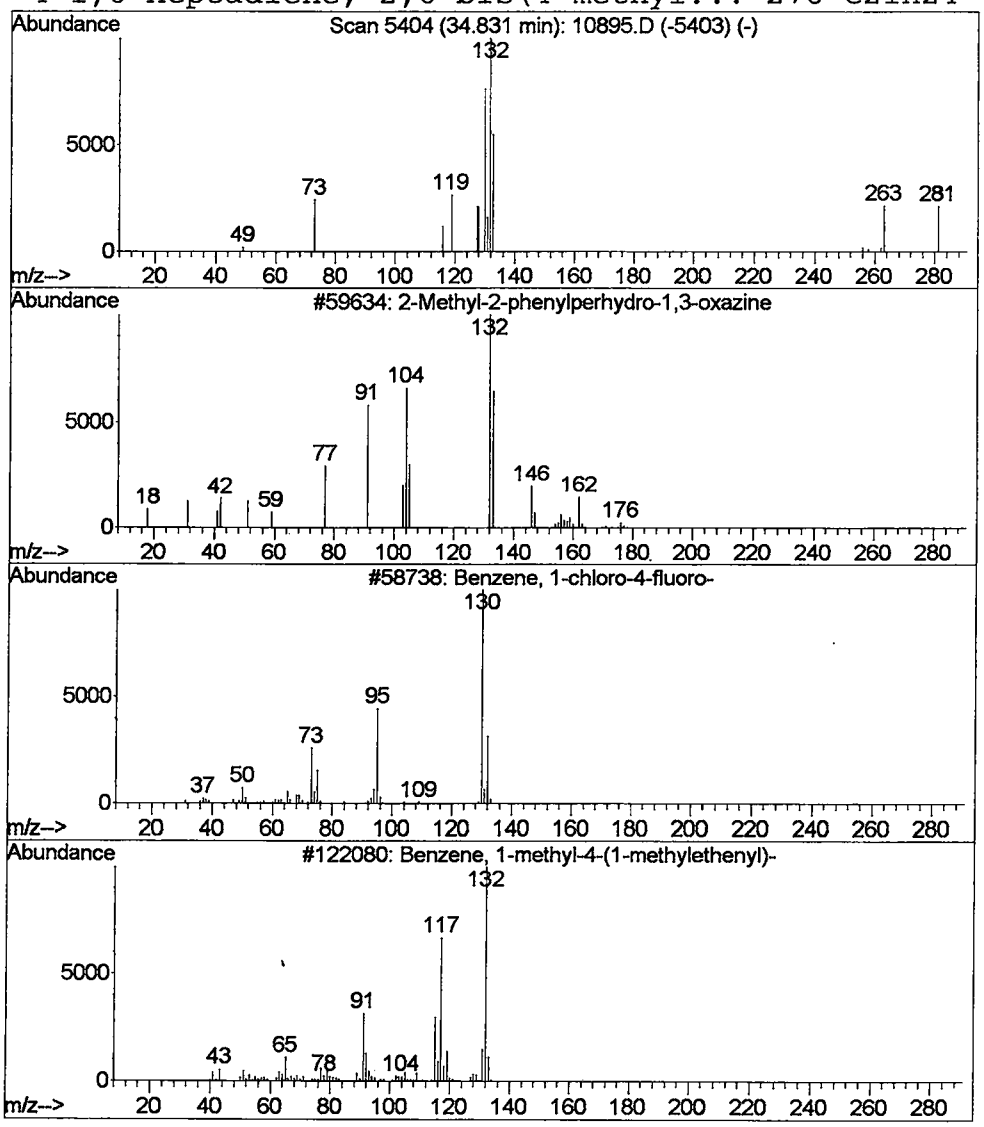
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

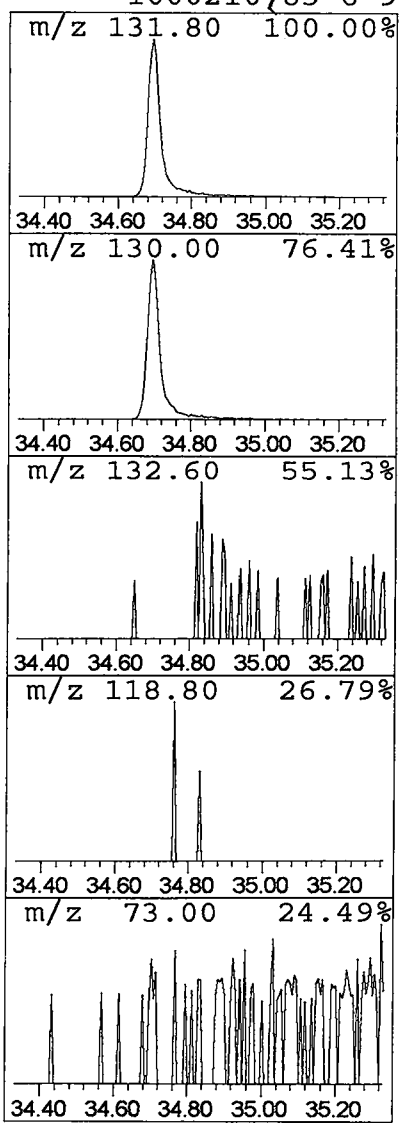
****

Peak Number 5 2-Methyl-2-phenylperhydro-1... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
34.83	0.98 ug/L	445327	Perylene-d12	34.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methyl-2-phenylperhydro-1,3-ox...	177	C11H15NO	1000139-30-4	9
2	Benzene, 1-chloro-4-fluoro-	130	C6H4ClF	000352-33-0	9
3	Benzene, 1-methyl-4-(1-methyleth...	132	C10H12	001195-32-0	9
4	1,6-Heptadiene, 2,6-bis(4-methyl...	276	C21H24	1000210-83-6	9





Tentatively Identified Compound (LSC) summary

Operator ID: Mclean Date Acquired: 16 May 2002 8:14 pm
Data File: C:\MSDCHEM\1\DATA\051602\10895.D
Name: 5/10 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
2-Pentene, 2,3-di...	5.02	0.2	ug/L	154197	1	9.93	27034200	40.0
2-Pentanone, 4-hy...	5.97	16.4	ug/L	11070100	1	9.93	27034200	40.0
2-Propenal, 3-(3,...	22.58	0.3	ug/L	241496	4	22.95	36445400	40.0
Anthracene-d10-	23.11	0.4	ug/L	368416	4	22.95	36445400	40.0
2-Methyl-2-phenyl...	34.83	1.0	ug/L	445327	6	34.70	18181000	40.0