User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 05/14/2002 Time: 14:00:49

Sample: AE10164
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 5/14/02 14:00 Ended: 5/14/02 14:00 Analyst: DLV
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr_2,4-DDD		89		10.0

Comments for Sample AE10164 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 05-14-2002 Time: 14:01:01

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\10164.D Vial: 12
Acq On : 13 May 2002 8:27 pm Operator: Mclean
Sample : 5/9 kb Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: May 14 11:41:38 2002 Quant Results File: 050102.RES

Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Last Update : 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	4674449	40.00	ug/L	0.00
10) Napthalene-d8	13.43	136	18496498	40.00	ug/L	0.00
17) Acenapthalene-d10	18.57	164	9952678	40.00	ug/L	0.00
29) Phenanthranene-d10	22.95	188	14316589	40.00	ug/L	0.00
37) Chrysene-d12	30.81	240	10107057	40.00	ug/L	0.00
43) Perylene-d12	34.71	264	6084176	40.00	ug/L	0.00
System Monitoring Compounds						
27) TCMX	20.55	209	2159102	35.73	ug/L	0.00
Spiked Amount 40.000			Recovery = 89.32%			
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	33873	N.D.		
30) Nnitrosodiphenylamine	20.55	169	39451	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

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
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	26607	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)

Data File : C:\MSDCHEM\1\DATA\051302\10164.D Vial: 12
Acq On : 13 May 2002 8:27 pm Operator: Mclean
Sample : 5/9 kb Inst : Instrumen
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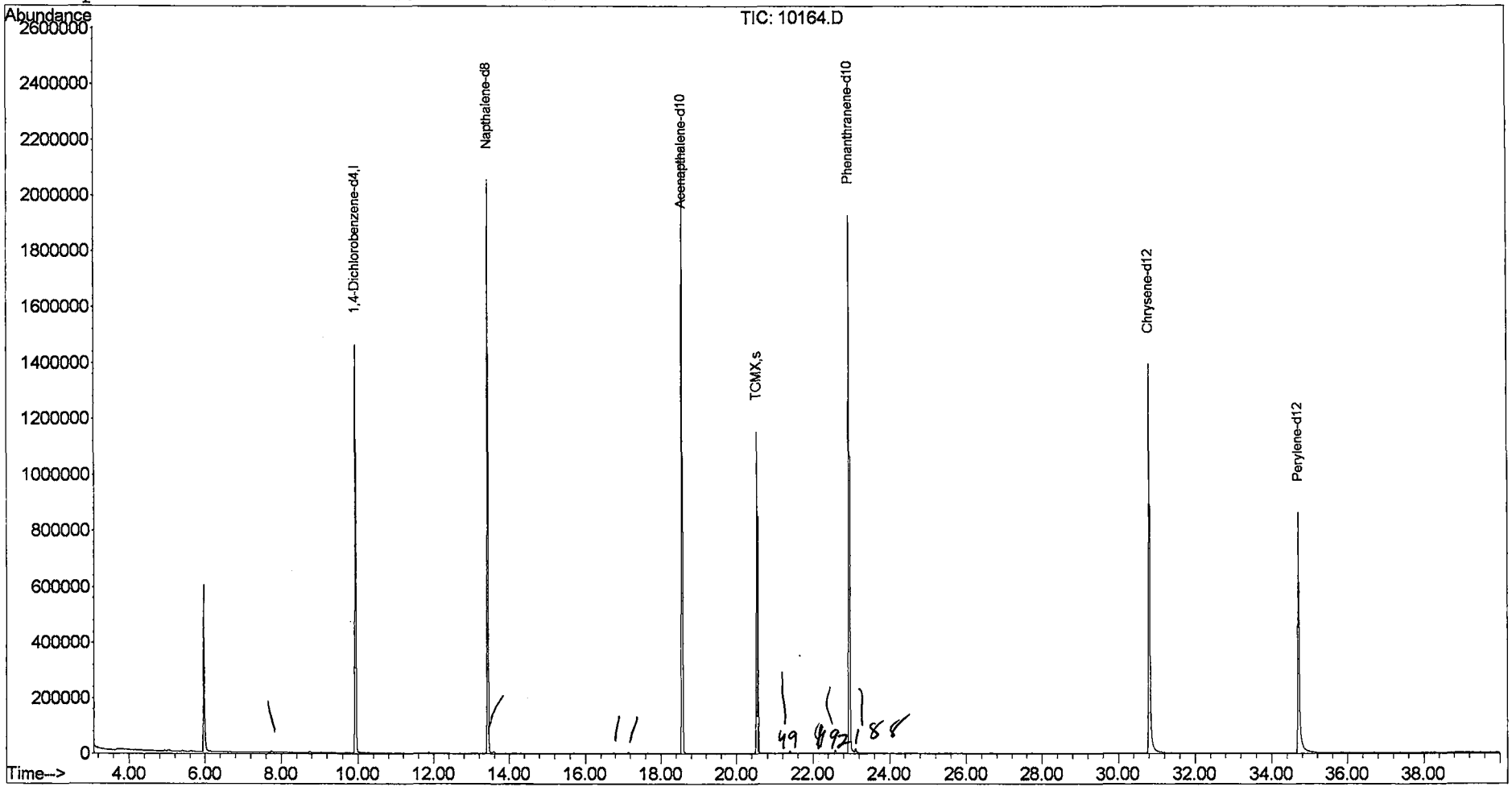
Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Last Update : Mon May 13 11:40:29 2002
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\MSDCHEM\1\DATA\051302\10164.D Vial: 12
Acq On : 13 May 2002 8:27 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

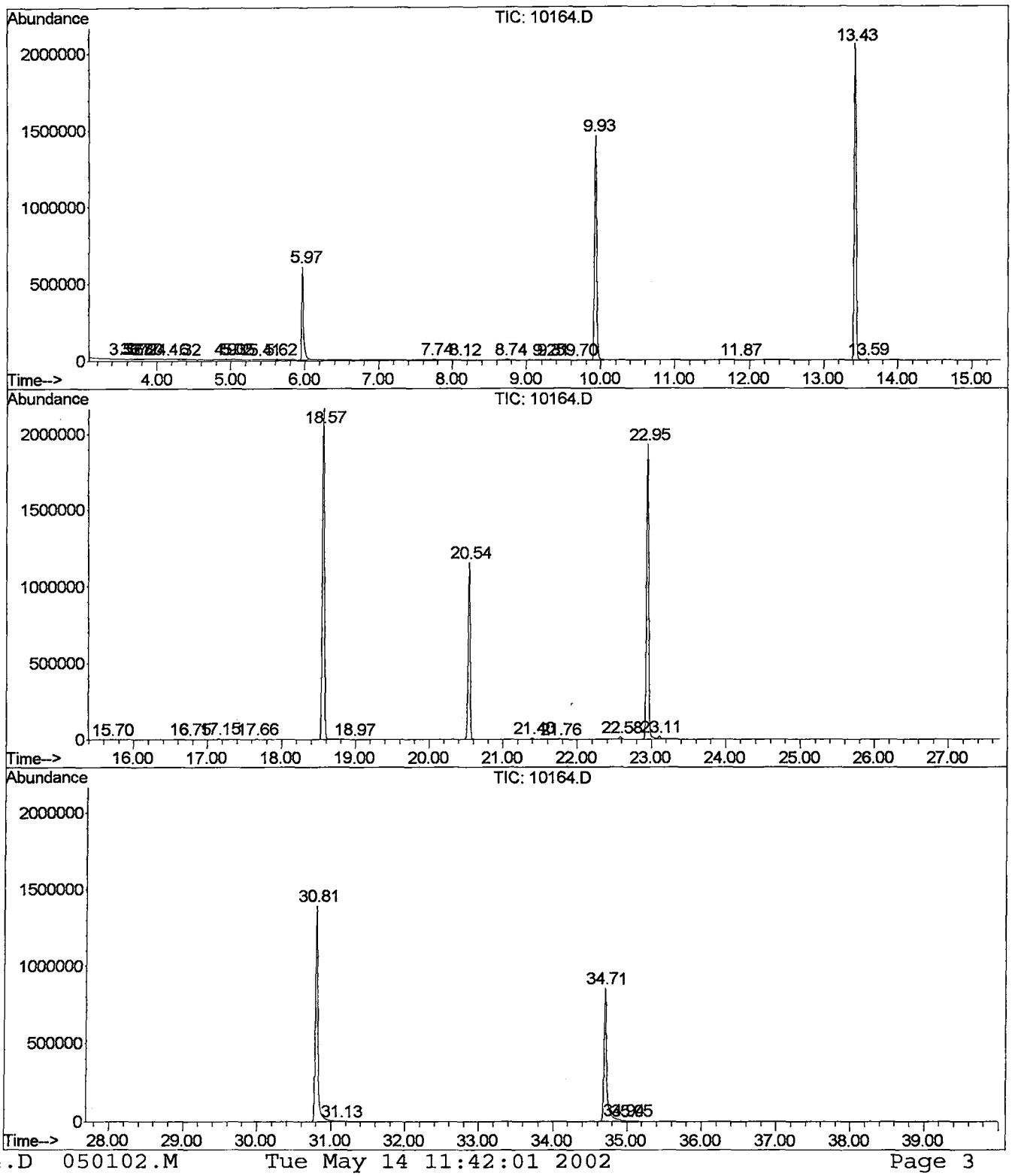
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.520	72	75	83	PV 9	2581	38246	0.09%	0.016%
2	3.667	98	100	102	VV 3	3111	26628	0.07%	0.011%
3	3.725	102	110	116	VV 7	5411	217535	0.53%	0.092%
4	3.772	116	118	122	VV 5	5230	97045	0.24%	0.041%
5	3.802	122	123	125	VV 2	4220	40609	0.10%	0.017%
6	4.160	180	184	187	VV 5	3759	71153	0.17%	0.030%
7	4.319	203	211	224	VV 8	3475	116015	0.28%	0.049%
8	4.936	311	316	324	VV 5	5565	94763	0.23%	0.040%
9	5.018	324	330	335	VV 5	4993	104387	0.25%	0.044%
10	5.053	335	336	345	VV 5	3888	85950	0.21%	0.036%
11	5.406	381	396	401	PV 5	3839	120375	0.29%	0.051%
12	5.623	428	433	442	VV 7	4282	100063	0.24%	0.042%
13	5.964	484	491	521	PV	586368	10638685	25.98%	4.515%
14	7.733	788	792	809	VV 3	5341	166492	0.41%	0.071%
15	8.120	851	858	864	PV 6	1896	37456	0.09%	0.016%
16	8.743	958	964	975	VV 5	4301	111063	0.27%	0.047%
17	9.254	1046	1051	1057	PV 2	1788	30951	0.08%	0.013%
18	9.313	1057	1061	1070	VV 4	2013	52187	0.13%	0.022%
19	9.695	1121	1126	1131	VV 7	1984	42463	0.10%	0.018%
20	9.930	1157	1166	1181	VV	1432006	28155294	68.76%	11.949%
21	11.869	1489	1496	1500	PV 6	2546	41896	0.10%	0.018%
22	13.432	1751	1762	1781	PV	2043811	37794479	92.30%	16.040%
23	13.585	1781	1788	1795	VV	6603	124324	0.30%	0.053%
24	15.700	2144	2148	2155	VV 4	1962	39201	0.10%	0.017%
25	16.746	2319	2326	2334	PV 4	3203	73797	0.18%	0.031%
26	17.151	2390	2395	2401	VV 5	5716	87648	0.21%	0.037%
27	17.662	2475	2482	2493	BV 4	2788	46281	0.11%	0.020%
28	18.567	2625	2636	2657	VV	2158680	40949396	100.00%	17.379%
29	18.967	2699	2704	2717	VV 5	1908	38593	0.09%	0.016%
30	20.547	2958	2973	2985	PV	1139547	21473134	52.44%	9.113%
31	21.399	3113	3118	3124	PV 4	9723	145581	0.36%	0.062%
32	21.758	3174	3179	3184	PV 4	1886	34348	0.08%	0.015%
33	22.580	3313	3319	3327	PV 2	13501	250919	0.61%	0.106%
34	22.950	3372	3382	3403	PV 2	1897620	39090532	95.46%	16.590%
35	23.115	3403	3410	3434	VV 3	17001	537550	1.31%	0.228%
36	30.806	4707	4719	4771	PV 2	1367043	31776553	77.60%	13.486%
37	31.123	4771	4773	4780	VV 5	1762	30470	0.07%	0.013%

38	34.707	5371	5383	5421	PV	2	862630	22502308	54.95%	9.550%
39	34.942	5421	5423	5439	VV	6	6310	226204	0.55%	0.096%
40	35.048	5439	5441	5446	VV	5	1514	19713	0.05%	0.008%

Sum of corrected areas: 235630288

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\DATA\051302\10164.D
Operator : Mclean
Acquired : 13 May 2002 8:27 pm using AcqMethod 508SCAN
Instrument : Instrumen
Sample Name: 5/9 kb
Misc Info :
Vial Number: 12
Quant File :050102.RES (Chemstation Integrator)



Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\051302\10164.D
Acq On : 13 May 2002 8:27 pm
Sample : 5/9 kb
Misc :
MS Integration Params: LSCINT.e

Vial: 12
Operator: Mclean
Inst : Instrumen
Multiplr: 1.00

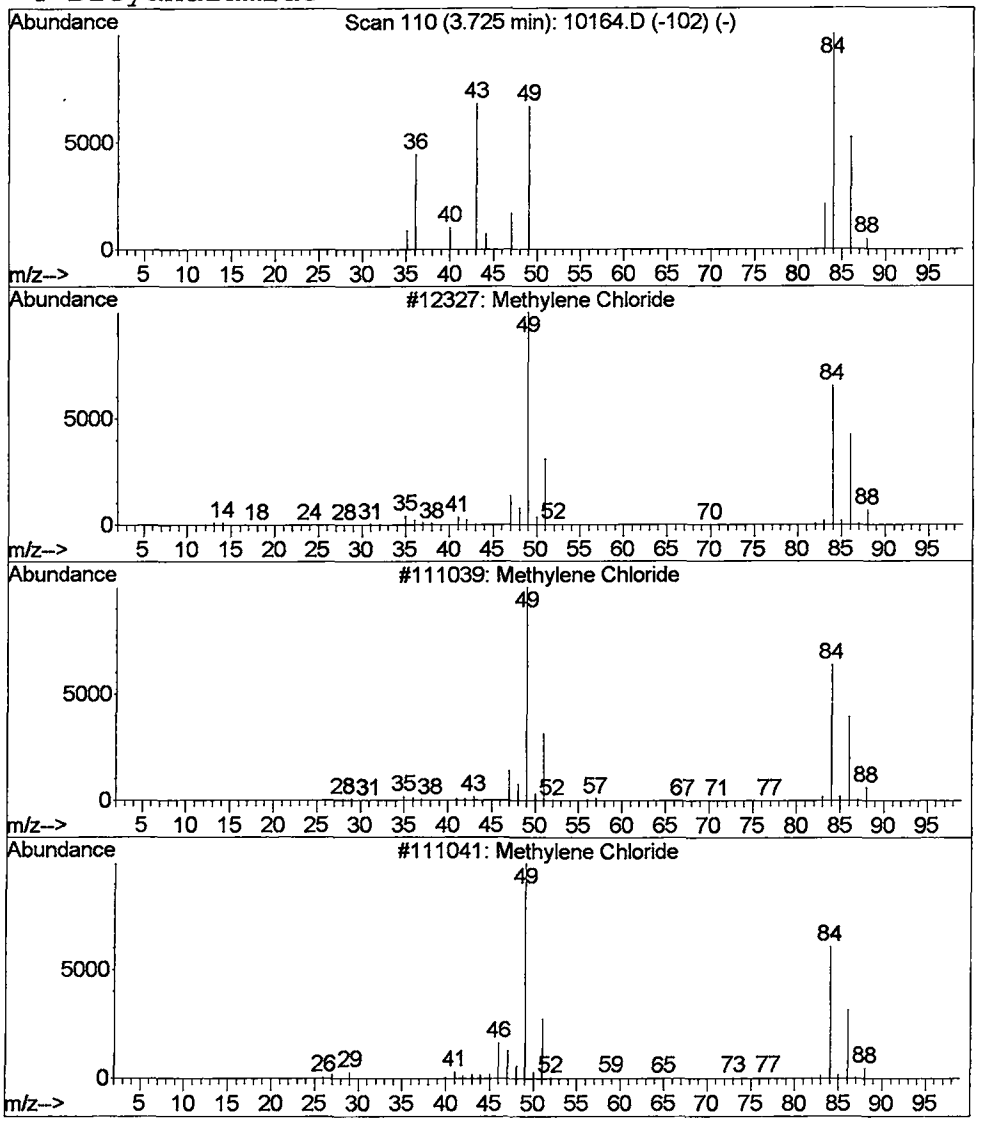
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

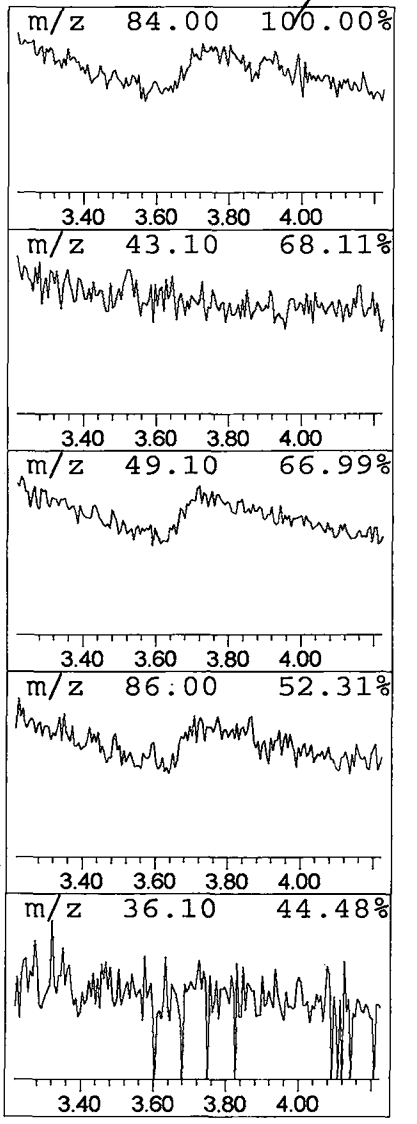
****

Peak Number 1 Methylene Chloride Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.72	0.31 ug/L	217535	1,4-Dichlorobenzene-d4	9.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methylene Chloride	84	CH2Cl2	000075-09-2	42
2	Methylene Chloride	84	CH2Cl2	000075-09-2	9
3	Methylene Chloride	84	CH2Cl2	000075-09-2	9
4	Dicyandiamide	84	C2H4N4	000461-58-5	7





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\051302\10164.D
Acq On : 13 May 2002 8:27 pm
Sample : 5/9 kb
Misc :
MS Integration Params: LSCINT.e

Vial: 12
Operator: Mclean
Inst : Instrumen
Multiplr: 1.00

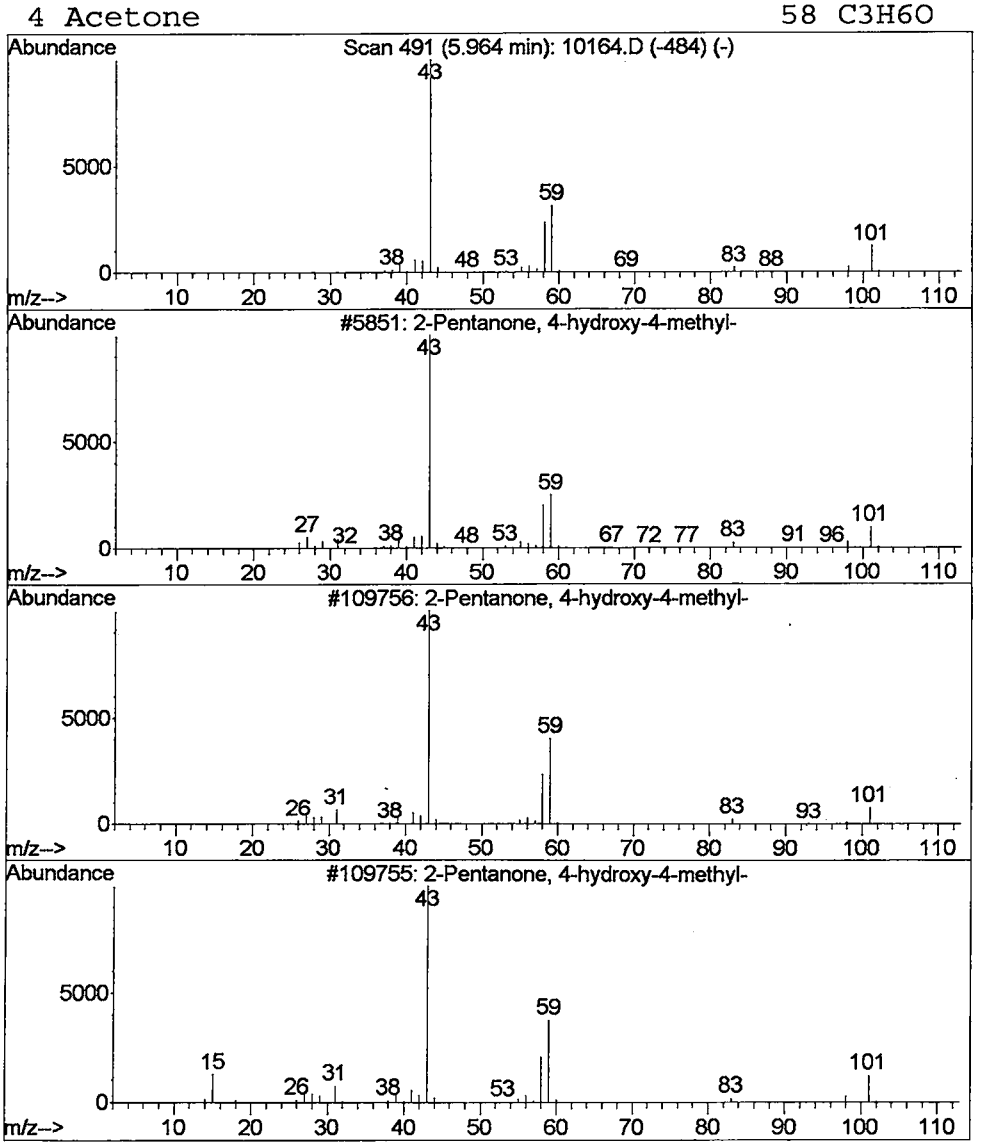
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

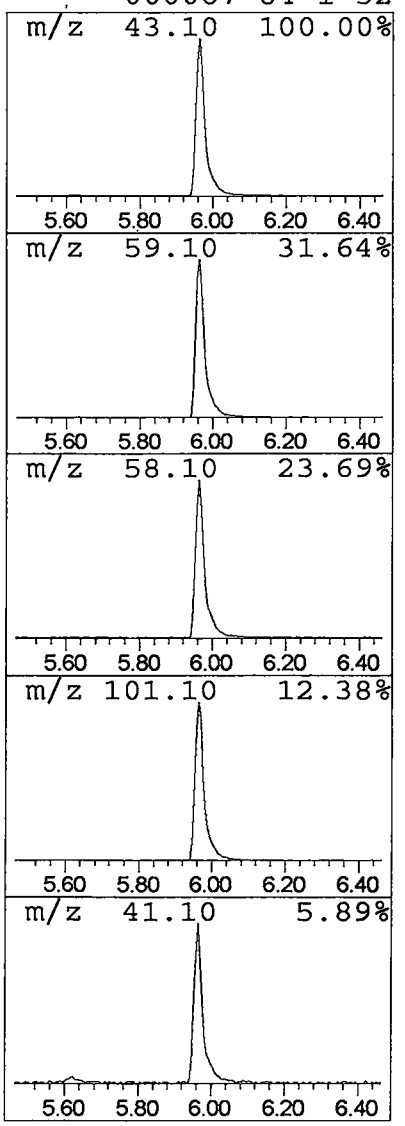
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.97	15.11 ug/L	10638700	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	83
3	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	83
4	Acetone	58	C3H6O	000067-64-1	32





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\051302\10164.D Vial: 12
Acq On : 13 May 2002 8:27 pm Operator: Mclean
Sample : 5/9 kb Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

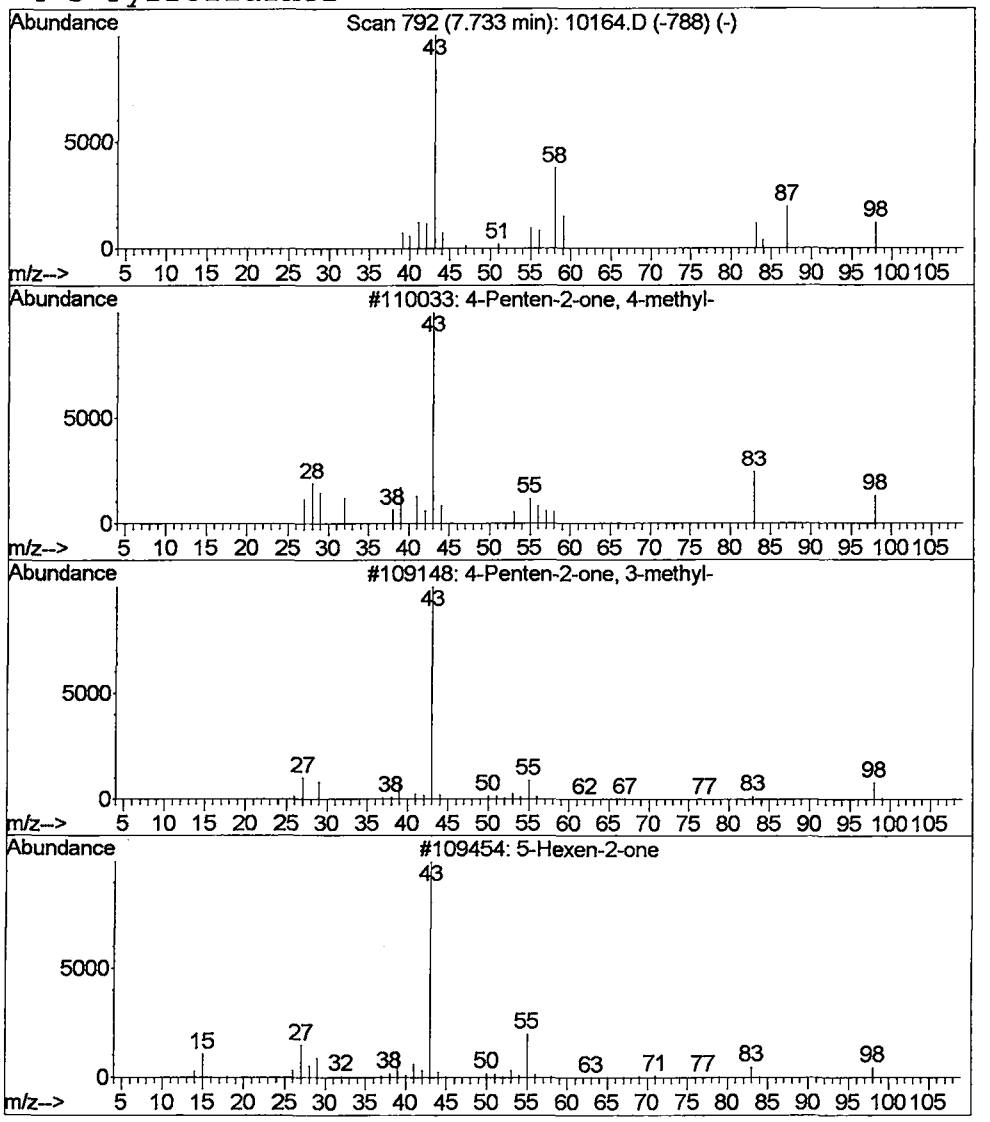
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

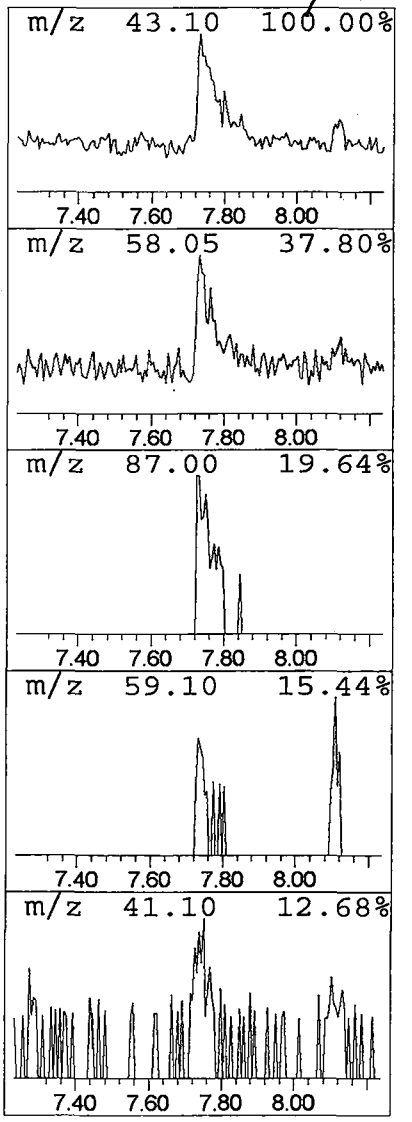
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.74	0.24 ug/L	166492	1,4-Dichlorobenzene-d4	9.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Penten-2-one, 4-methyl-	98	C6H10O	003744-02-3	12
2	4-Penten-2-one, 3-methyl-	98	C6H10O	000758-87-2	9
3	5-Hexen-2-one	98	C6H10O	000109-49-9	9
4	3-Pyrrolidinol	87	C4H9NO	040499-83-0	9





Library Search Compound Report

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Acq On : 13 May 2002 8:27 pm Operator: Mclean
Sample : 5/9 kb Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

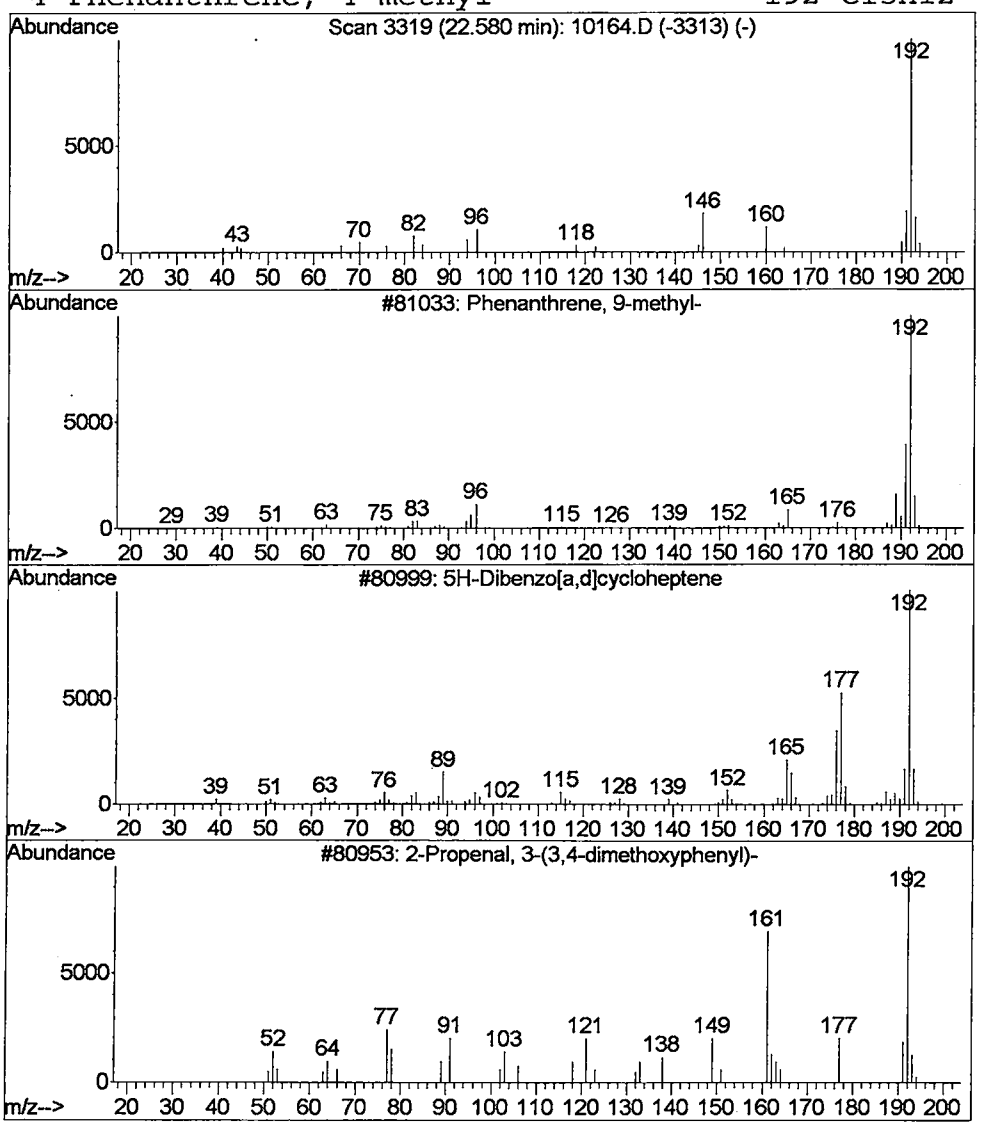
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

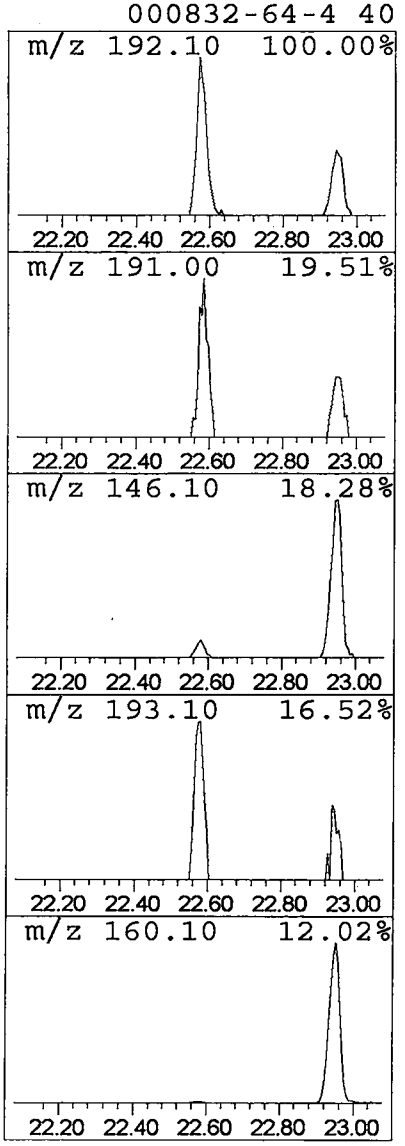
****

Peak Number 4 Phenanthrene, 9-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.58	0.26 ug/L	250919	Phenanthranene-d10	22.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	53
2	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	45
3	2-Propenal, 3-(3,4-dimethoxyphen...	192	C11H12O3	004497-40-9	42
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	40





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\051302\10164.D
Acq On : 13 May 2002 8:27 pm
Sample : 5/9 kb
Misc :
MS Integration Params: LSCINT.e

Vial: 12
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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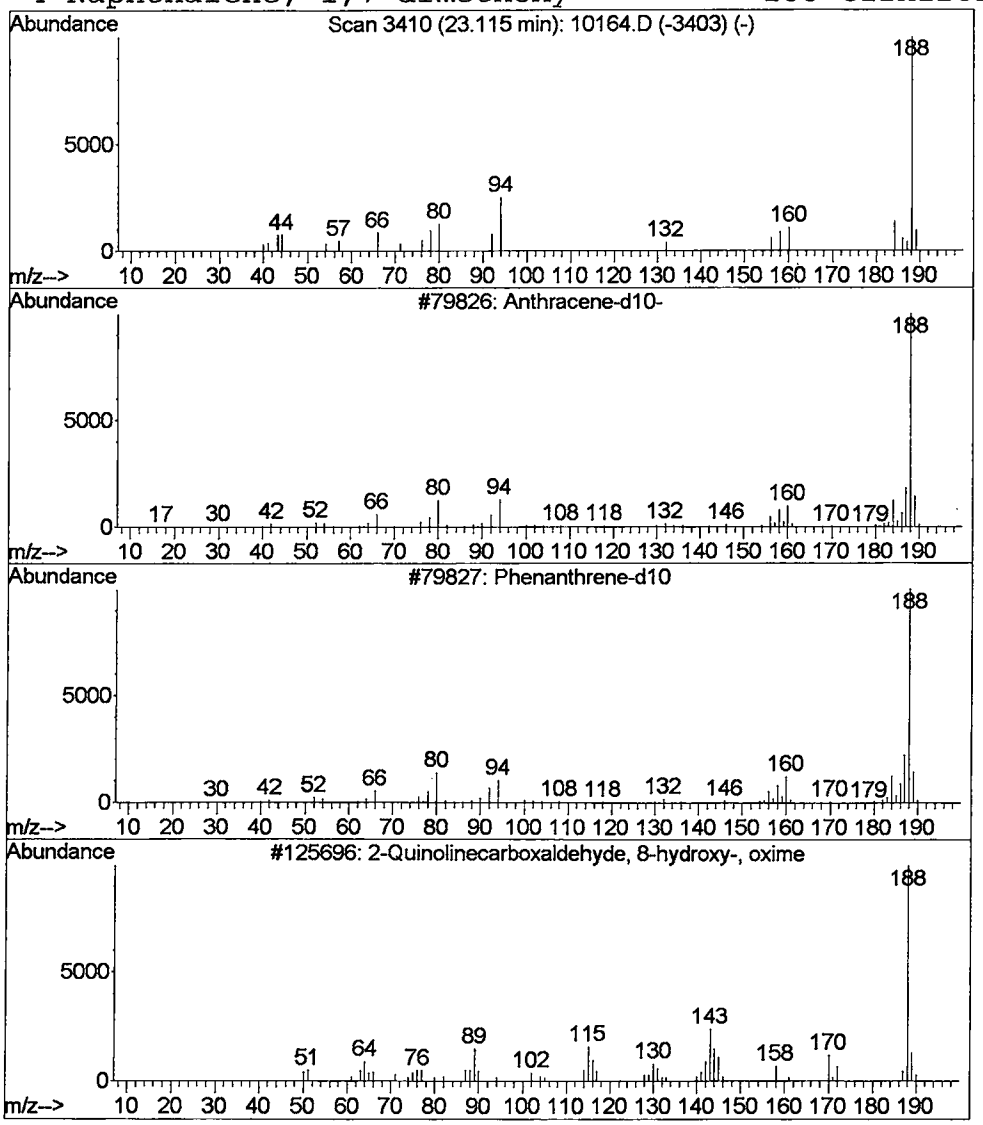
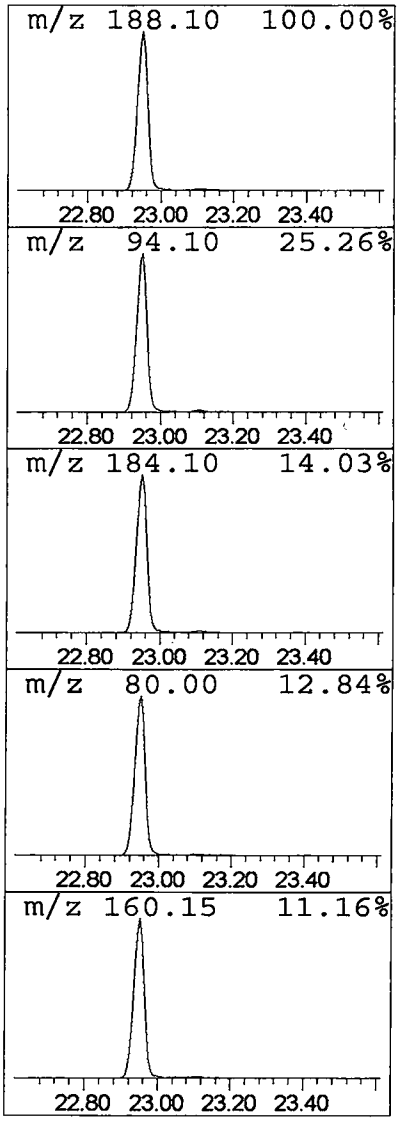
Peak Number 5 Anthracene-d10- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.11	0.55 ug/L	537550	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	72
3	2-Quinolinecarboxaldehyde, 8-hyd...	188	C10H8N2O2	005603-22-5	38
4	Naphthalene, 1,7-dimethoxy-	188	C12H12O2	005309-18-2	38





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\051302\10164.D Vial: 12
Acq On : 13 May 2002 8:27 pm Operator: Mclean
Sample : 5/9 kb Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

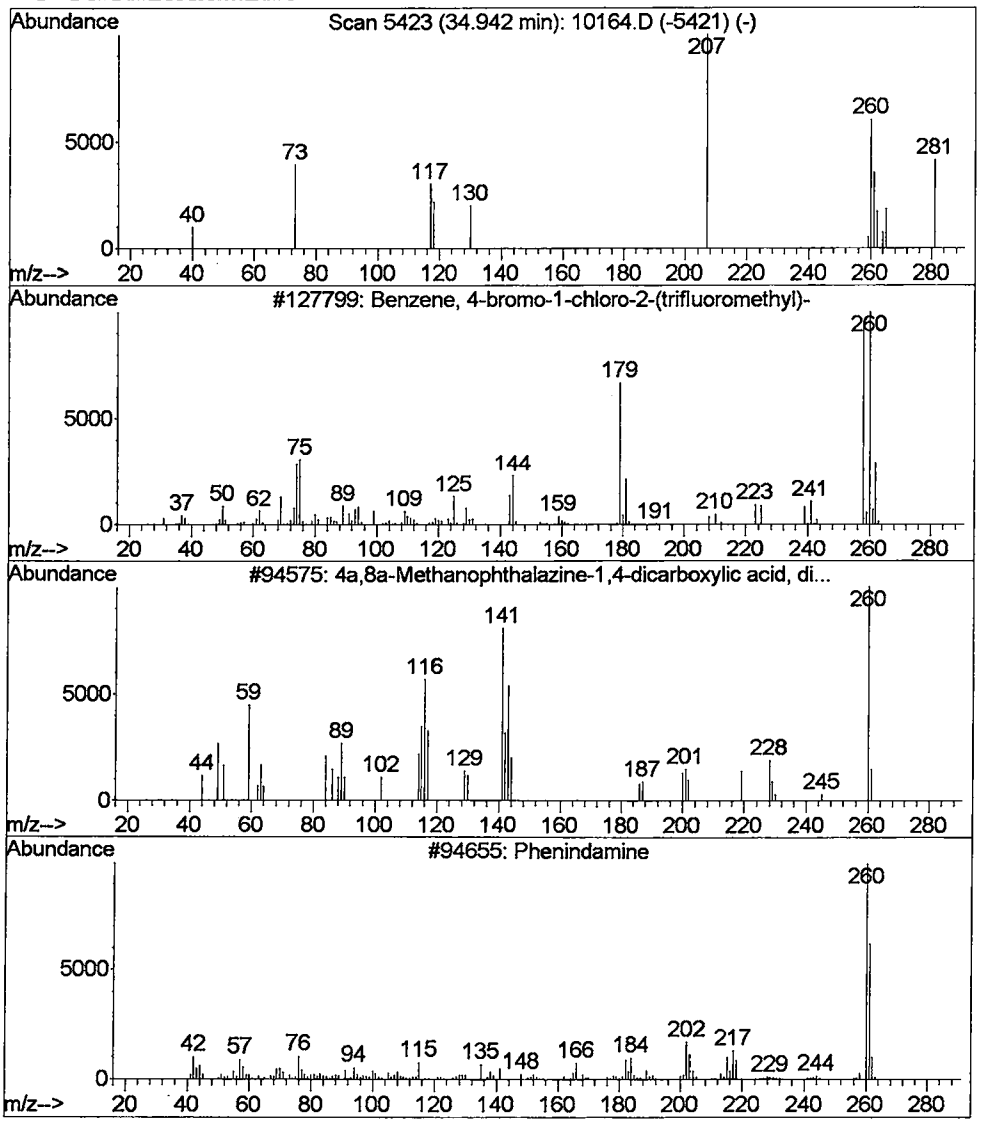
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

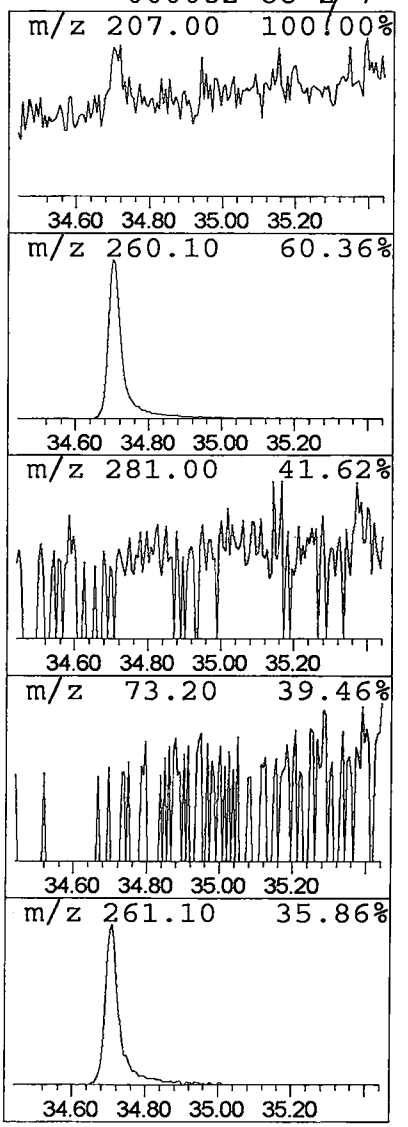
****

Peak Number 6 Benzene, 4-bromo-1-chloro-2... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
34.94	0.40 ug/L	226204	Perylene-d12	34.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-bromo-1-chloro-2-(tri...	258	C7H3BrClF3	000445-01-2	9
2	4a,8a-Methanophthalazine-1,4-dic...	260	C13H12N2O4	118643-90-6	9
3	Phenindamine	261	C19H19N	000082-88-2	7
4	Phenindamine	261	C19H19N	000082-88-2	7





Tentatively Identified Compound (TIC) Summary

Operator ID: Mclean Date Acquired: 13 May 2002 8:27 pm
Data File: C:\MSDCHEM\1\DATA\051302\10164.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	3.72	0.3	ug/L	217535	1	9.93	28155300	40.0
2-Pentanone, 4-hy...	5.97	15.1	ug/L	10638700	1	9.93	28155300	40.0
4-Penten-2-one, 4...	7.74	0.2	ug/L	166492	1	9.93	28155300	40.0
Phenanthrene, 9-m...	22.58	0.3	ug/L	250919	4	22.95	39090500	40.0
Anthracene-d10-	23.11	0.6	ug/L	537550	4	22.95	39090500	40.0
Benzene, 4-bromo-...	34.94	0.4	ug/L	226204	6	34.71	22502300	40.0