Comments for Sample AE10205 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 05-21-2002 Time: 12:05:35

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. This sample will be re-extracted because of the low Surrogate Standard recovery. This sample is the Field Blank. Re-analysis yielded a Surrogate Standard recovery of 85%.

User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 05/21/2002 Time: 12:05:37

Sample: AE10205
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 5/10/02 12:05 Ended: 5/10/02 12:05 Analyst: DLV
Result source: manual entry
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr_2,4-DDD	LSPEC	65		10.0

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\051602\10205.D Vial: 6
Acq On : 16 May 2002 6:36 pm Operator: Mclean
Sample : 5/10 eh Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: May 17 09:44:21 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	5241447	40.00	ug/L	0.00
10) Napthalene-d8	13.43	136	20677470	40.00	ug/L	0.00
17) Acenapthalene-d10	18.57	164	11090326	40.00	ug/L	0.00
29) Phenanthranene-d10	22.95	188	15824517	40.00	ug/L	0.00
37) Chrysene-d12	30.80	240	11087475	40.00	ug/L	0.00
43) Perylene-d12	34.70	264	6406280	40.00	ug/L	0.00
System Monitoring Compounds						
27) TCMX	20.55	209	2287129	33.97	ug/L	0.00
Spiked Amount 40.000			Recovery =	84.92%		
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	12.94	93	604	N.D.		
14) 1,2,4-Trichlorobenzene	0.00	180	0	N.D.		
15) Napthalene	13.49	128	17256	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	41022	N.D.		
30) Nnitrosodiphenylamine	20.55	169	43688	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	25.09	149	15061	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	30.80	228	32302	N.D.	
41) Bis(2-ethylhexyl)phthalate	31.38	149	23369	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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Acq On : 16 May 2002 6:36 pm Operator: Mclean
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Title : 508 Modified GC/MS scan
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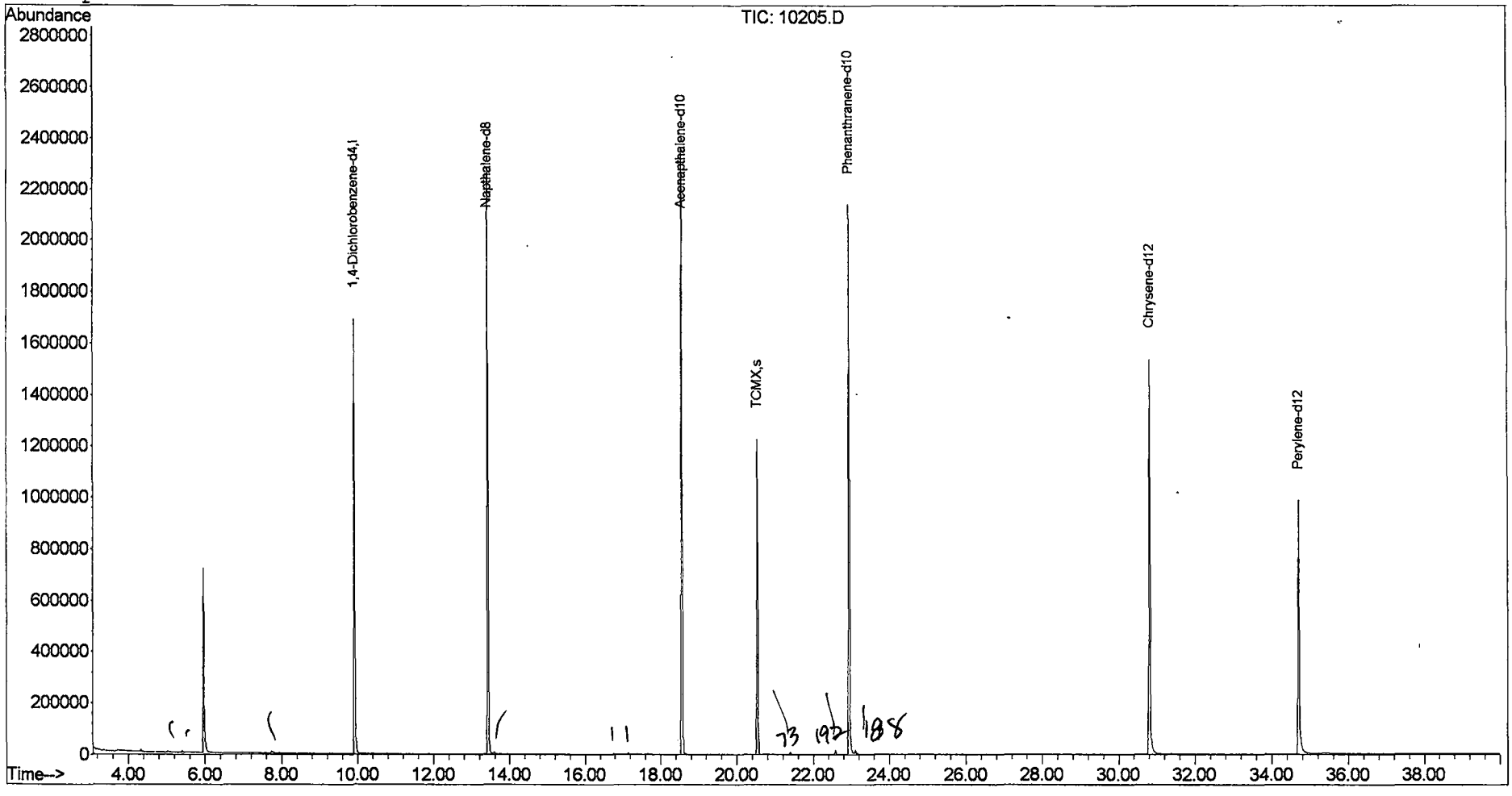
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\MSDCHEM\1\DATA\051602\10205.D
Acq On : 16 May 2002 6:36 pm
Sample : 5/10 eh
Misc :
MS Integration Params: LSCINT.e

Vial: 6
Operator: Mclean
Inst : Instrumen
Multiplr: 1.00

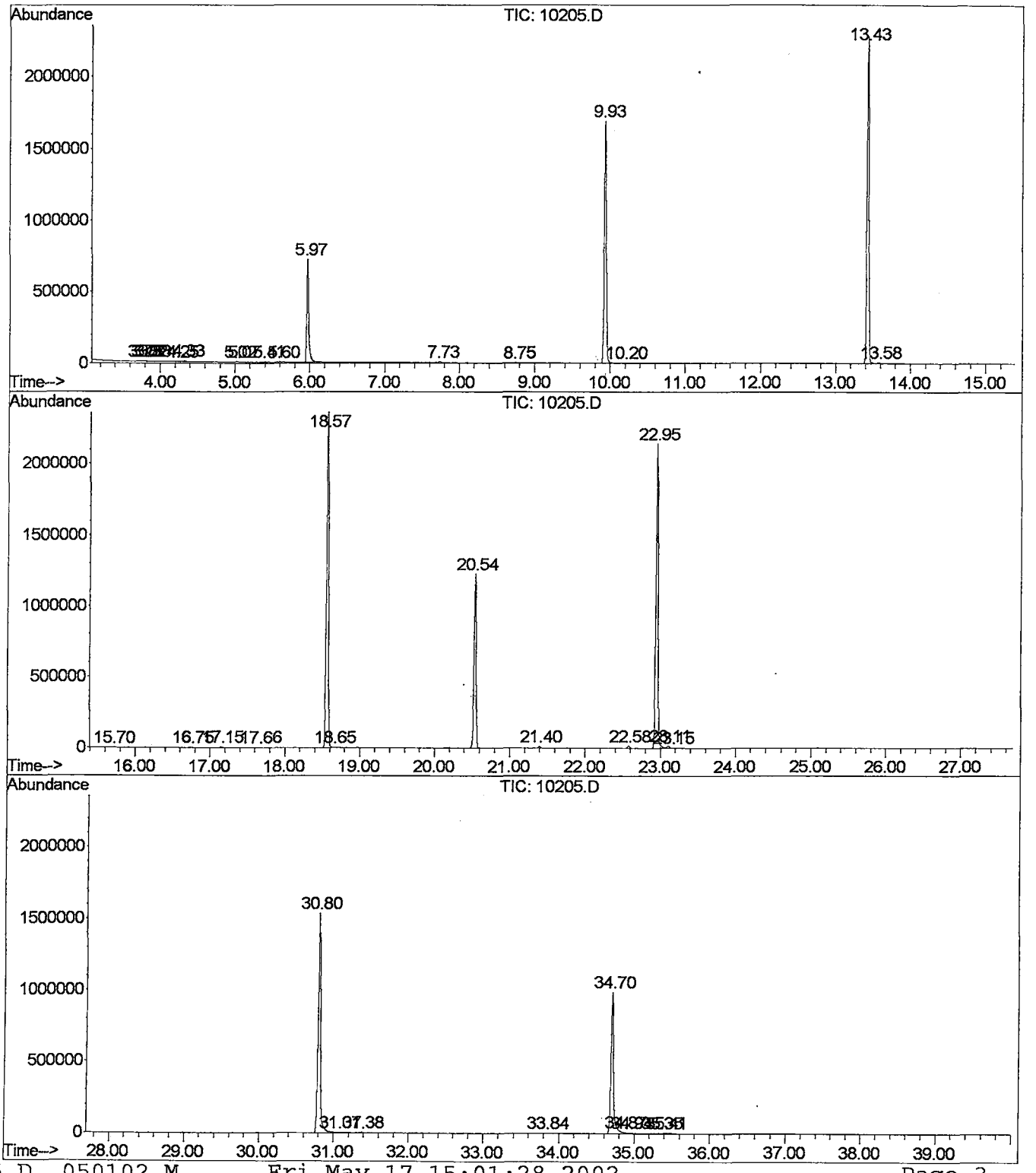
Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.731	94	111	117	PV 9	4472	209562	0.46%	0.081%
2	3.784	117	120	125	VV 6	4184	97171	0.21%	0.037%
3	3.825	125	127	134	VV 7	3505	106036	0.23%	0.041%
4	3.878	134	136	144	VV 5	3764	96690	0.21%	0.037%
5	4.248	191	199	204	VV 8	2564	66516	0.15%	0.026%
6	4.331	207	213	217	VV 3	7470	125930	0.28%	0.049%
7	5.024	328	331	337	PV 4	4289	83290	0.18%	0.032%
8	5.071	337	339	345	VV 5	1966	31174	0.07%	0.012%
9	5.406	386	396	403	PV 3	5431	122154	0.27%	0.047%
10	5.600	426	429	432	VV 5	1718	26167	0.06%	0.010%
11	5.970	484	492	521	VV	727450	13071745	28.82%	5.037%
12	7.733	781	792	813	PV 2	7634	220855	0.49%	0.085%
13	8.743	955	964	971	PV 5	1750	36848	0.08%	0.014%
14	9.936	1156	1167	1189	VV	1655111	31634164	69.73%	12.190%
15	10.200	1206	1212	1219	PV 7	2246	39578	0.09%	0.015%
16	13.432	1747	1762	1780	PV	2253792	42330433	93.31%	16.311%
17	13.585	1780	1788	1797	VV	7585	161307	0.36%	0.062%
18	15.700	2143	2148	2161	VV 7	1767	39651	0.09%	0.015%
19	16.752	2316	2327	2335	PV 3	3094	69216	0.15%	0.027%
20	17.151	2389	2395	2402	VV 4	6427	103303	0.23%	0.040%
21	17.662	2478	2482	2493	VV 4	3136	54392	0.12%	0.021%
22	18.567	2624	2636	2648	PV	2352693	45364281	100.00%	17.480%
23	18.649	2648	2650	2661	VV 3	3333	75113	0.17%	0.029%
24	20.541	2951	2972	2987	VV	1209377	22814469	50.29%	8.791%
25	21.393	3111	3117	3126	VV 3	9261	156724	0.35%	0.060%
26	22.580	3310	3319	3329	BV	15590	285765	0.63%	0.110%
27	22.950	3368	3382	3403	BV 2	2100958	43227670	95.29%	16.657%
28	23.109	3403	3409	3416	VV 2	14901	356457	0.79%	0.137%
29	23.156	3416	3417	3423	VV 3	2245	31522	0.07%	0.012%
30	30.806	4705	4719	4762	PV 2	1517472	34671189	76.43%	13.360%
31	31.070	4762	4764	4766	VV 2	2940	38910	0.09%	0.015%
32	31.376	4812	4816	4826	VV 4	4673	94913	0.21%	0.037%
33	33.838	5230	5235	5243	VV 5	2687	50118	0.11%	0.019%
34	34.702	5371	5382	5410	PV 2	979547	23267482	51.29%	8.966%
35	34.872	5410	5411	5422	VV 7	7629	213074	0.47%	0.082%
36	34.942	5422	5423	5432	VV 5	3178	69439	0.15%	0.027%
37	35.348	5487	5492	5500	VV 7	1801	50107	0.11%	0.019%

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\DATA\051602\10205.D
Operator : Mclean
Acquired : 16 May 2002 6:36 pm using AcqMethod 508SCAN
Instrument : Instrumen
Sample Name: 5/10 eh
Misc Info :
Vial Number: 6
Quant File :050102.RES (Chemstation Integrator)



Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\051602\10205.D Vial: 6
Acq On : 16 May 2002 6:36 pm Operator: Mclean
Sample : 5/10 eh Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

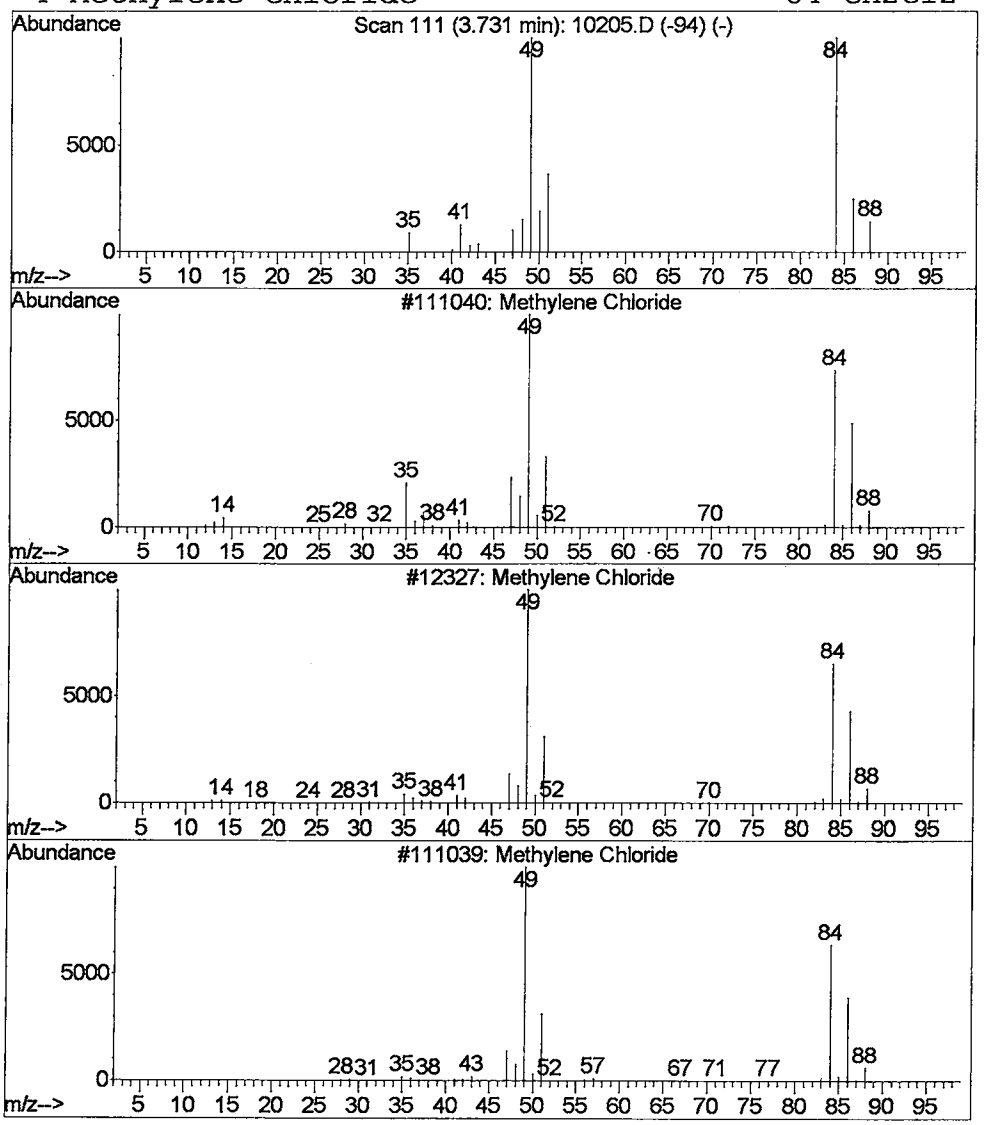
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

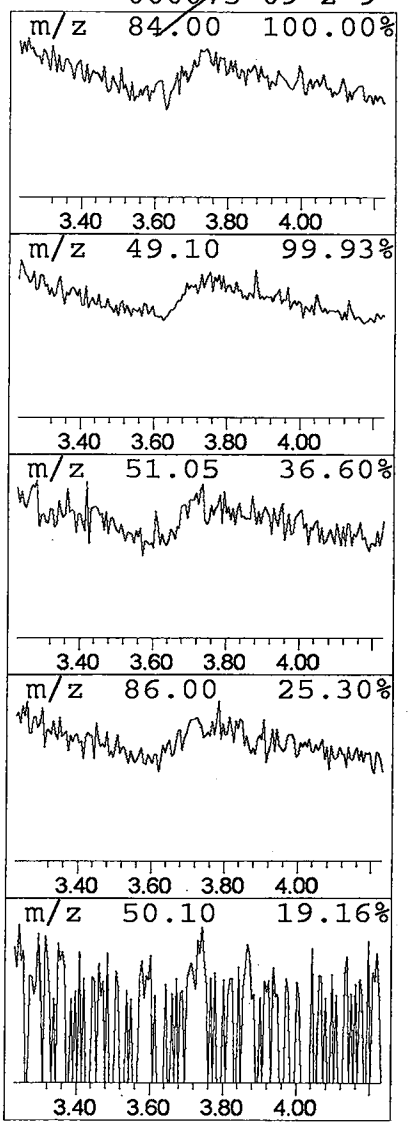
****

Peak Number 1 Methylene Chloride Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.73	0.26 ug/L	209562	1,4-Dichlorobenzene-d4	9.93

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	10
3	Methylene Chloride	84	CH2Cl2	000075-09-2	9
4	Methylene Chloride	84	CH2Cl2	000075-09-2	9





Library Search Compound Report

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Acq On : 16 May 2002 6:36 pm Operator: Mclean
Sample : 5/10 eh Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

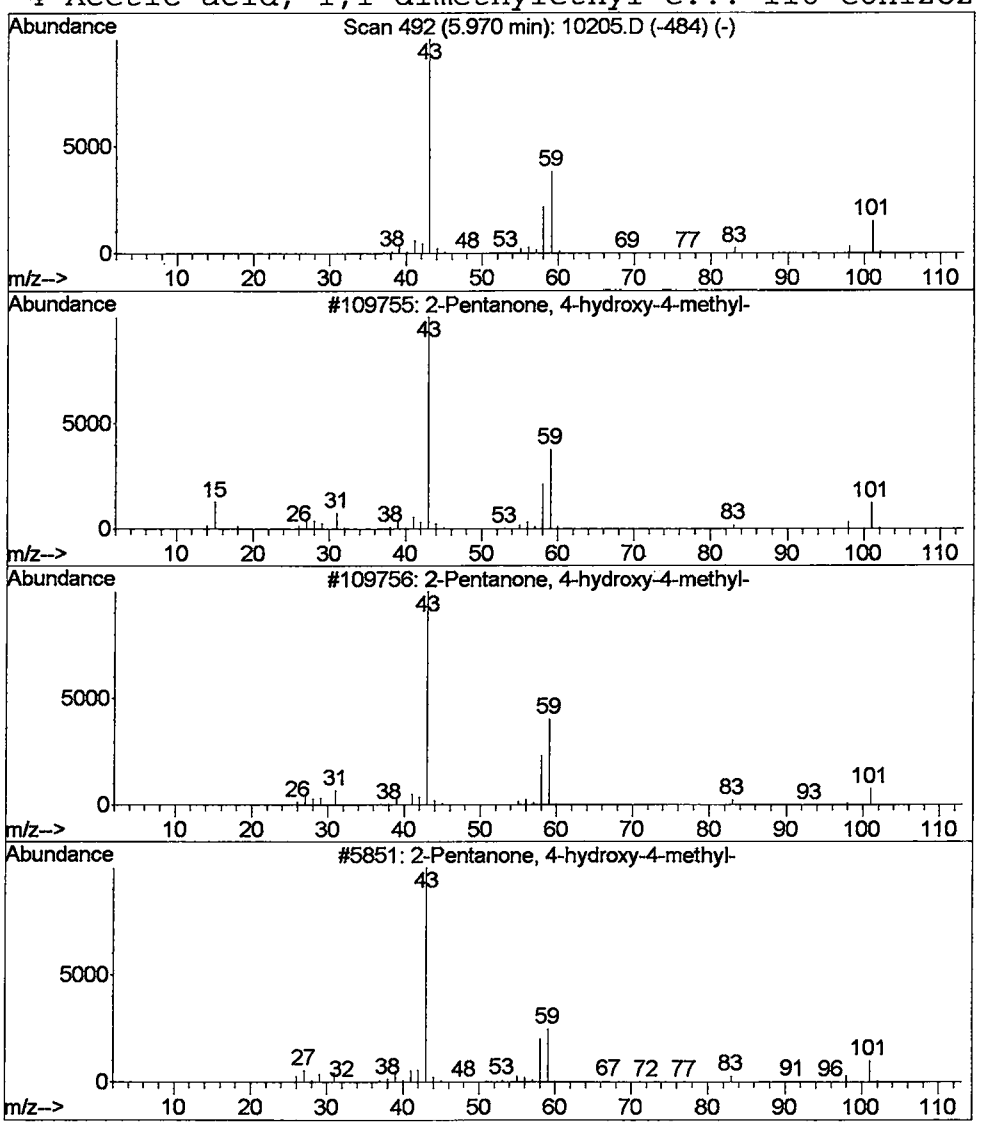
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

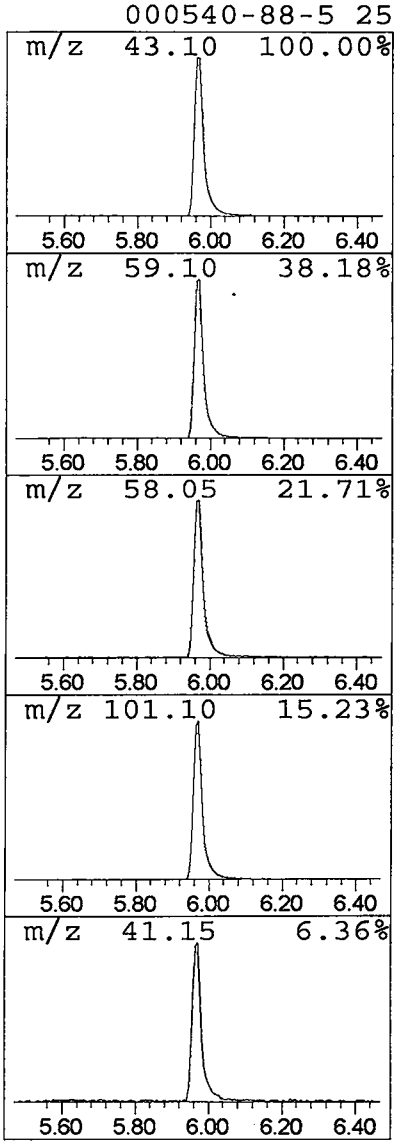
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.97	16.53 ug/L	13071700	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	78
3	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
4	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	25





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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)
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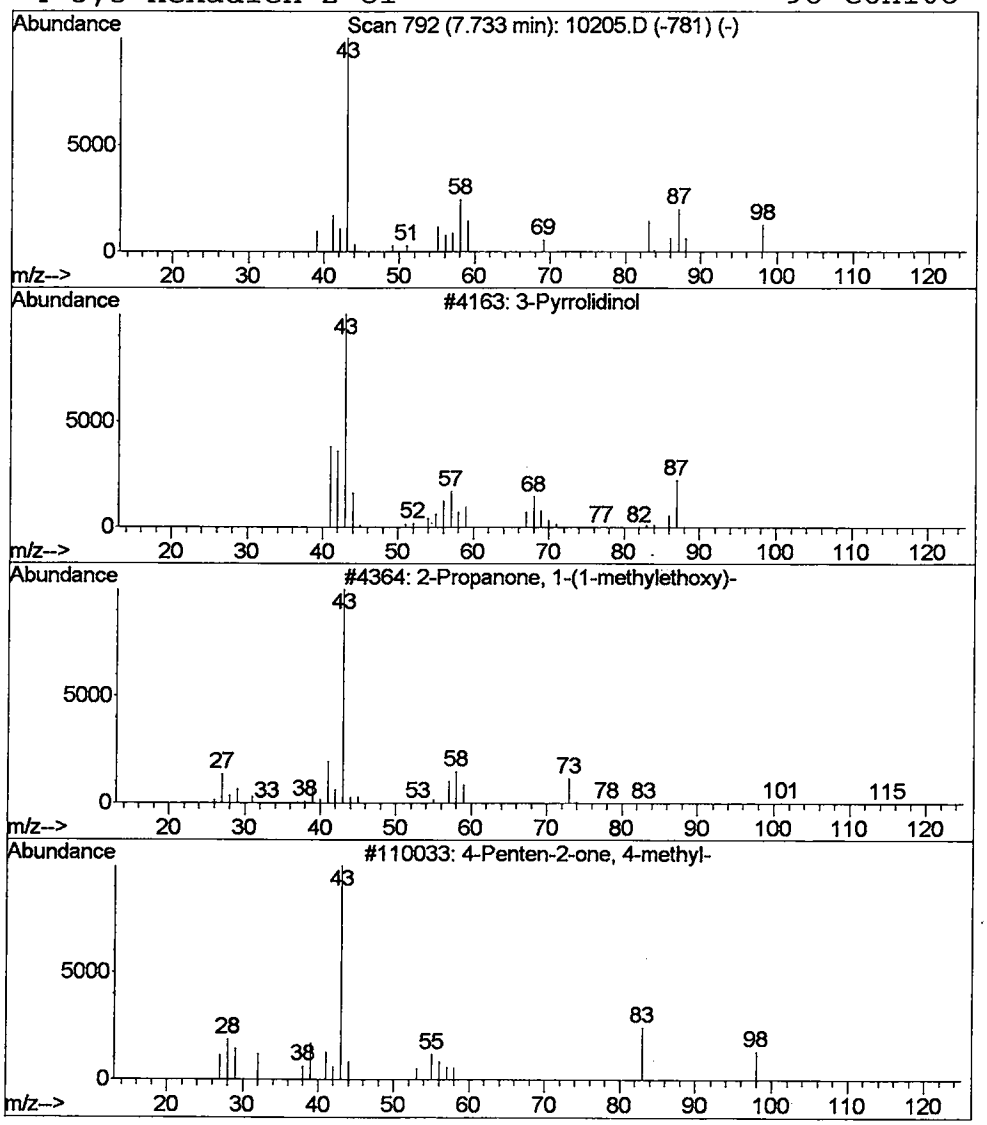
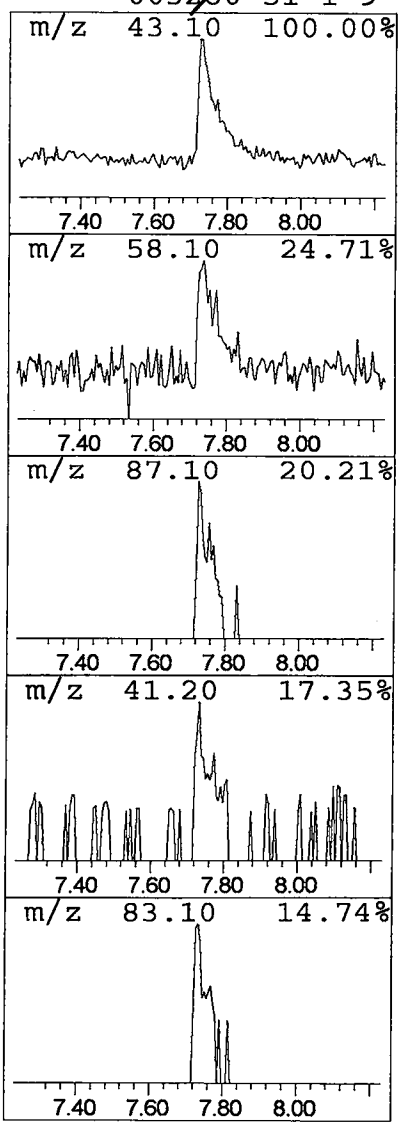
Peak Number 3 3-Pyrrolidinol Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.73	0.28 ug/L	220855	1,4-Dichlorobenzene-d4	9.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Pyrrolidinol	87	C4H9NO	040499-83-0	32
2	2-Propanone, 1-(1-methylethoxy)-	116	C6H12O2	042781-12-4	17
3	4-Penten-2-one, 4-methyl-	98	C6H10O	003744-02-3	16
4	3,5-Hexadien-2-ol	98	C6H10O	003280-51-1	9





Library Search Compound Report

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Acq On : 16 May 2002 6:36 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

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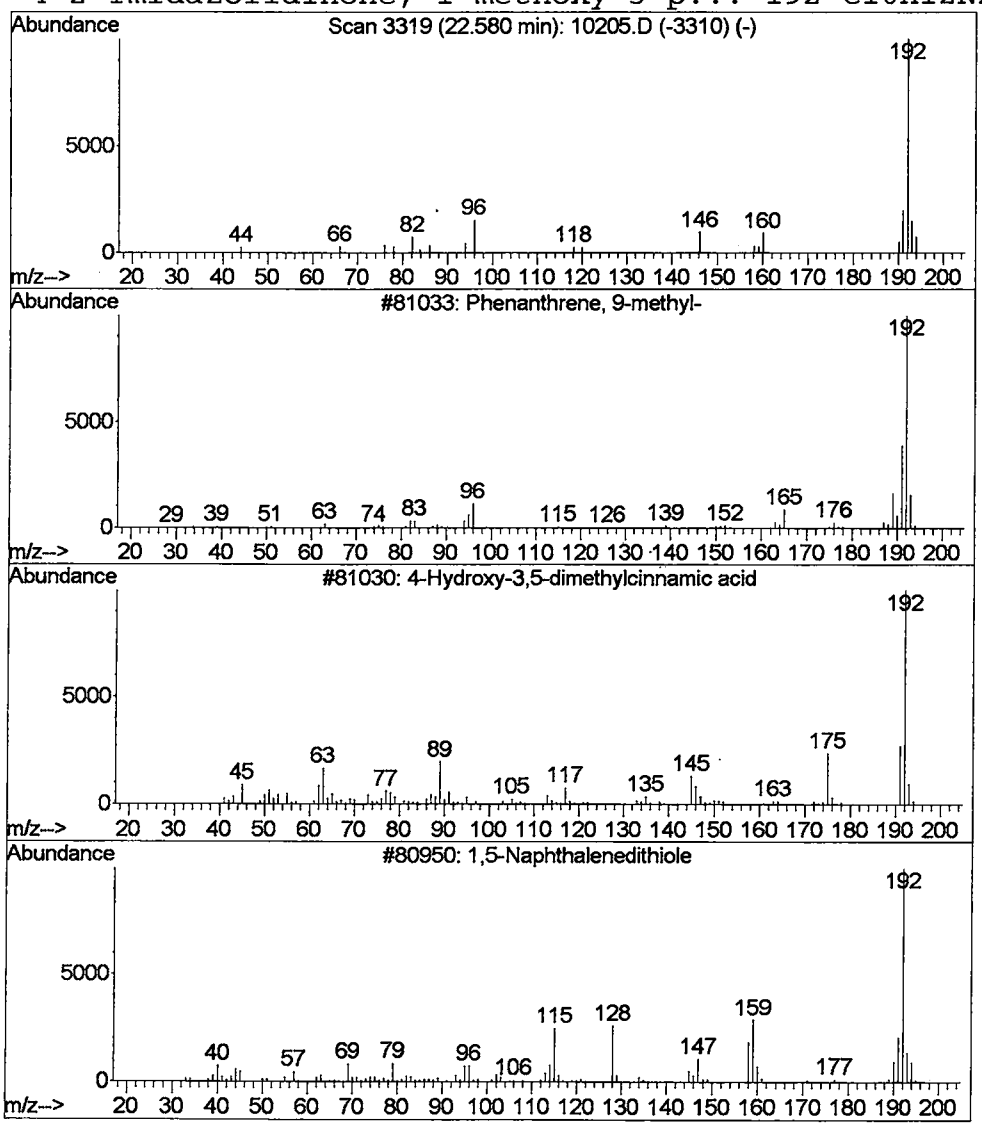
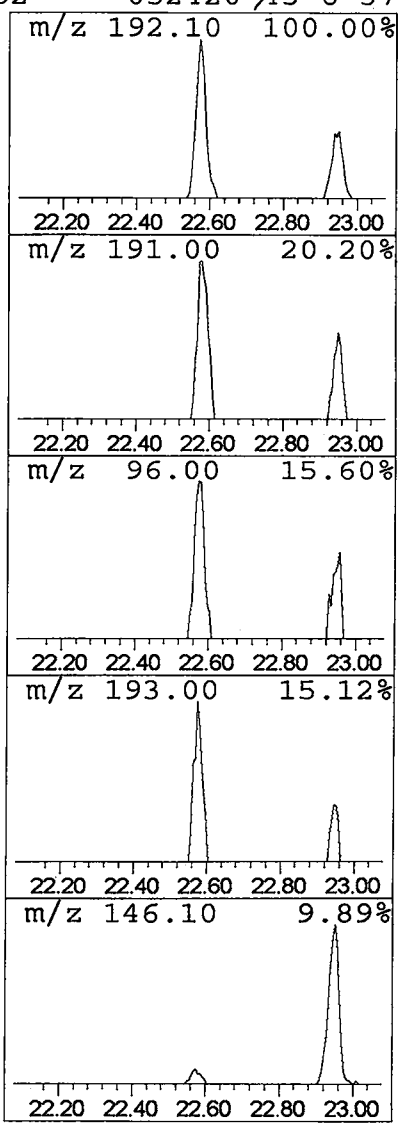
Peak Number 4 Phenanthrene, 9-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.58	0.26 ug/L	285765	Phenanthranene-d10	22.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	53
2	4-Hydroxy-3,5-dimethylcinnamic acid	192	C11H12O3	1000132-15-8	45
3	1,5-Naphthalenedithiole	192	C10H8S2	1000223-69-5	42
4	2-Imidazolidinone, 1-methoxy-3-p...	192	C10H12N2O2	052420-43-6	37





Library Search Compound Report

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Acq On : 16 May 2002 6:36 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

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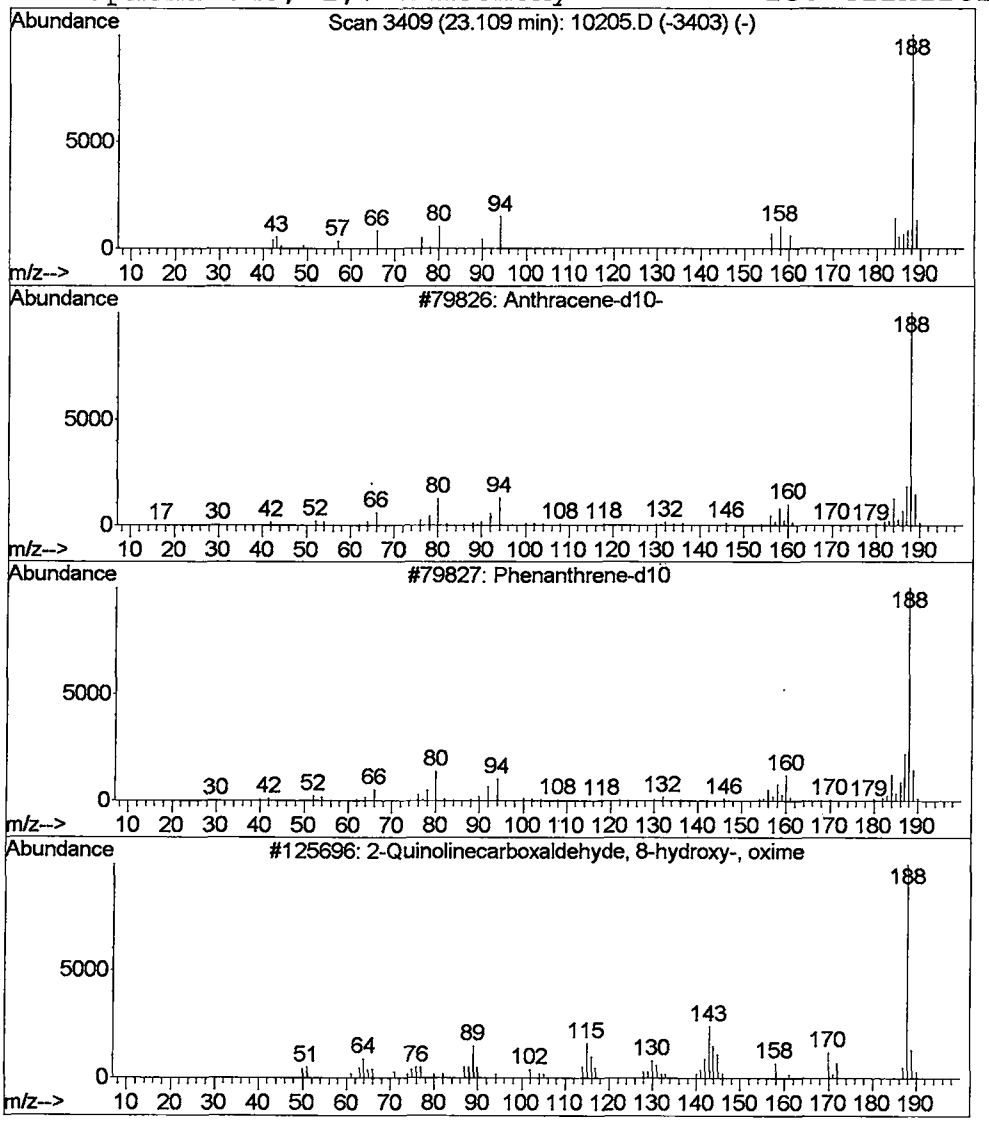
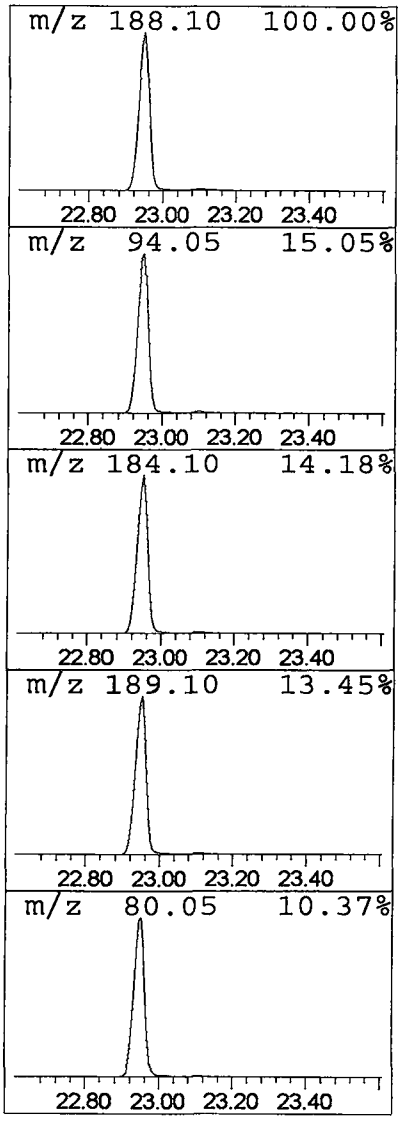
Peak Number 5 Anthracene-d10- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.11	0.33 ug/L	356457	Phenanthranene-d10	22.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene-d10-	188	C14D10	001719-06-8	91
2	Phenanthrene-d10	188	C14D10	001517-22-2	90
3	2-Quinolinecarboxaldehyde, 8-hyd...	188	C10H8N2O2	005603-22-5	42
4	Naphthalene, 1,7-dimethoxy-	188	C12H12O2	005309-18-2	42





Library Search Compound Report

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Acq On : 16 May 2002 6:36 pm
Sample : 5/10 eh
Misc :
MS Integration Params: LSCINT.e

Vial: 6
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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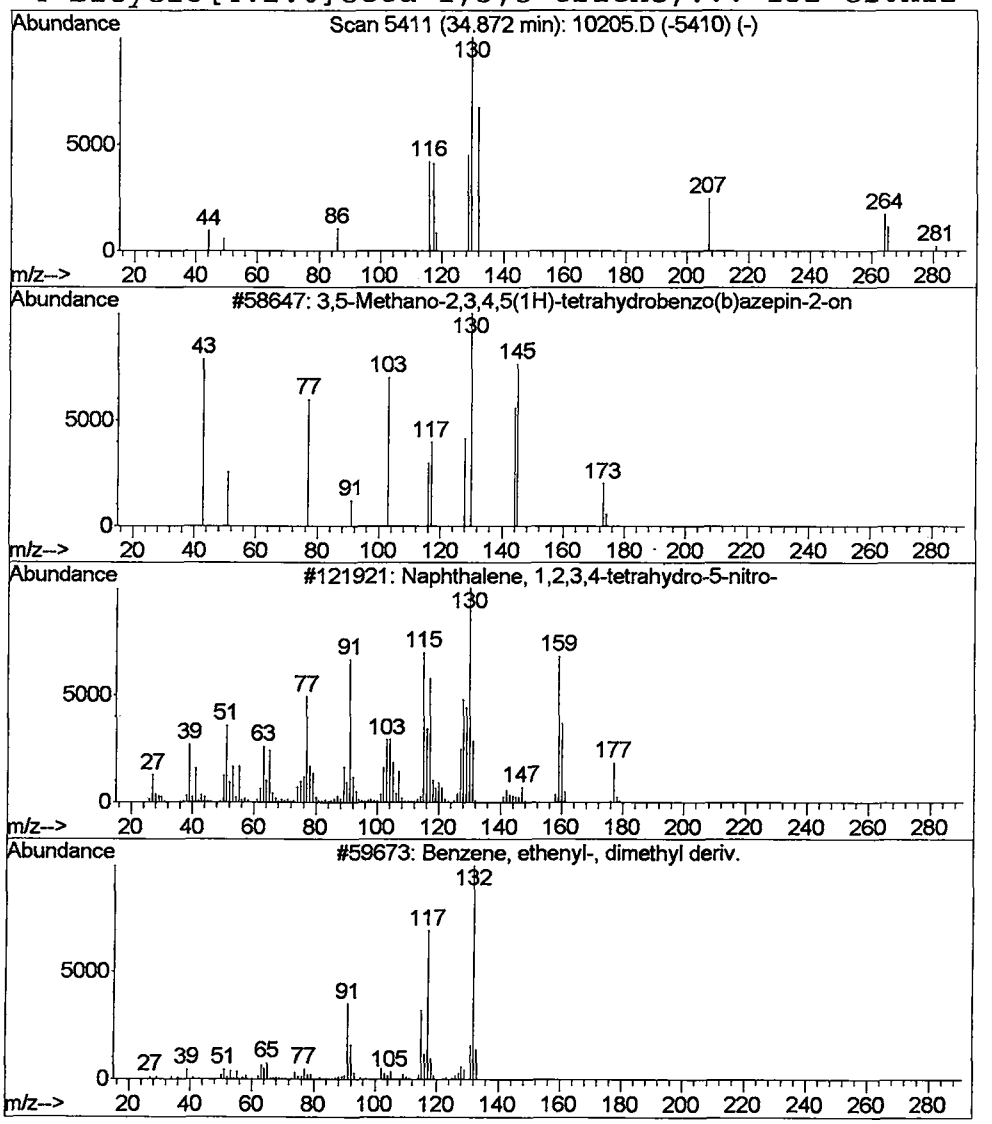
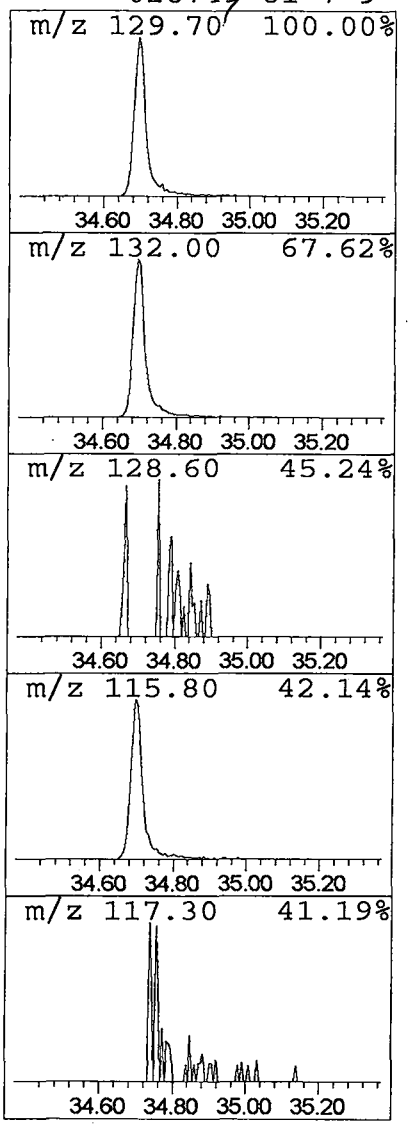
Peak Number 6 3,5-Methano-2,3,4,5(1H)-tet... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
34.87	0.37 ug/L	213074	Perylene-d12	34.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,5-Methano-2,3,4,5(1H)-tetrahyd...	173	C11H11NO	1000146-07-1	33
2	Naphthalene, 1,2,3,4-tetrahydro-...	177	C10H11NO2	029809-14-1	28
3	Benzene, ethenyl-, dimethyl deriv.	132	C10H12	027576-03-0	9
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9





Tentatively Identified Compound (LSC) summary

Operator ID: Mclean Date Acquired: 16 May 2002 6:36 pm
Data File: C:\MSDCHEM\1\DATA\051602\10205.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
Methylene Chloride	3.73	0.3	ug/L	209562	1	9.93	31634200	40.0
2-Pentanone, 4-hy...	5.97	16.5	ug/L	13071700	1	9.93	31634200	40.0
3-Pyrrolidinol	7.73	0.3	ug/L	220855	1	9.93	31634200	40.0
Phenanthrene, 9-m...	22.58	0.3	ug/L	285765	4	22.95	43227700	40.0
Anthracene-d10-	23.11	0.3	ug/L	356457	4	22.95	43227700	40.0
3,5-Methano-2,3,4...	34.87	0.4	ug/L	213074	6	34.70	23267500	40.0