NYC 9/11 Public Portal Document

User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 05/28/2002 Time: 15:08:59

Sample: AE11412
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 5/28/02 15:08 Ended: 5/28/02 15:08 Analyst: DLV
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr_2,4-DDD		86		10.0

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Comments for Sample AE11412 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 05-28-2002 Time: 15:09:22

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.

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Data File : C:\MSDCHEM\1\DATA\051702\11412.D Vial: 21
Acq On : 18 May 2002 5:54 am Operator: Mclean
Sample : 5/15 eh Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: May 20 09:52:06 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	5693956	40.00	ug/L	0.00
10) Napthalene-d8	13.43	136	22360577	40.00	ug/L	0.00
17) Acenapthalene-d10	18.57	164	12009239	40.00	ug/L	0.00
29) Phenanthranene-d10	22.95	188	17032653	40.00	ug/L	0.00
37) Chrysene-d12	30.80	240	11846611	40.00	ug/L	0.00
43) Perylene-d12	34.70	264	6708542	40.00	ug/L	0.00
System Monitoring Compounds						
27) TCMX	20.55	209	2500507	34.30	ug/L	0.00
Spiked Amount 40.000			Recovery = 85.75%			
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	43987	N.D.		
30) Nnitrosodiphenylamine	20.55	169	47997	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
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	0.00	228	0	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.	

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Quantitation Report (QT Reviewed)

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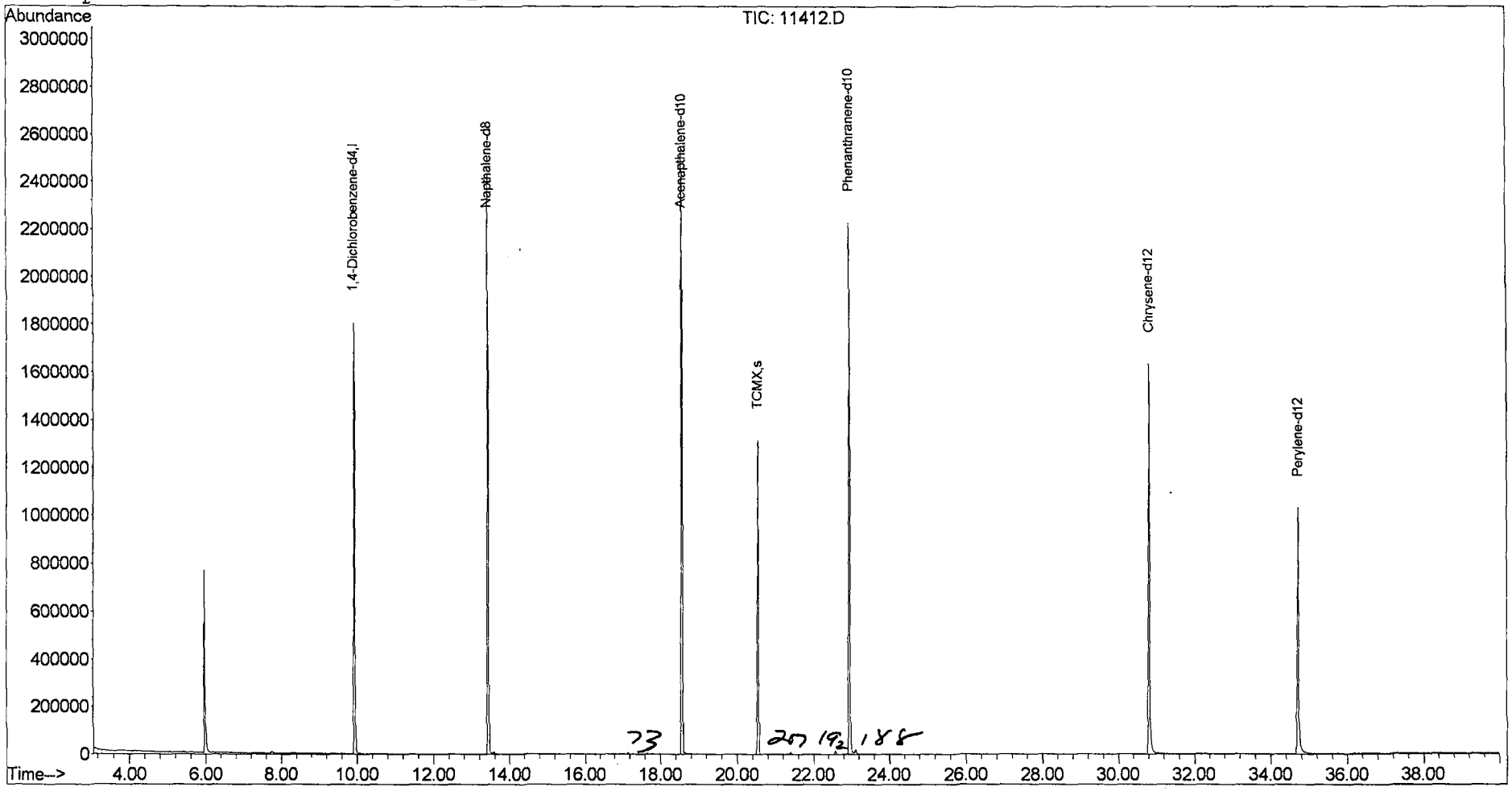
Sample : 5/15 eh Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: May 20 9:52 2002 Quant Results File: 050102.RES

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



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LSC Area Percent Report

Data File : C:\MSDCHEM\1\DATA\051702\11412.D
Acq On : 18 May 2002 5:54 am
Sample : 5/15 eh
Misc :
MS Integration Params: LSCINT.e

Vial: 21
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	11	BV 3	2623	36045	0.07%	0.013%
2	3.549	77	80	83	VV 4	1761	15218	0.03%	0.005%
3	3.767	95	117	121	PV 4	4775	294360	0.60%	0.106%
4	3.796	121	122	124	VV 2	3824	41486	0.08%	0.015%
5	3.820	124	126	130	VV 5	4383	83857	0.17%	0.030%
6	4.254	195	200	206	VV 5	3354	81350	0.17%	0.029%
7	4.578	251	255	260	PV 5	1956	26564	0.05%	0.010%
8	4.789	286	291	295	PV 5	1720	18992	0.04%	0.007%
9	5.036	328	333	350	PV 9	3813	143157	0.29%	0.052%
10	5.412	390	397	404	PV 3	3587	69543	0.14%	0.025%
11	5.970	485	492	518	PV	748923	13046310	26.51%	4.697%
12	7.733	789	792	806	PV 2	7314	171336	0.35%	0.062%
13	9.319	1056	1062	1072	PV 5	1847	40978	0.08%	0.015%
14	9.936	1158	1167	1185	PV	1798778	34247020	69.60%	12.331%
15	10.060	1185	1188	1194	VV 7	1956	40053	0.08%	0.014%
16	10.259	1215	1222	1230	PV 7	2097	38922	0.08%	0.014%
17	12.404	1581	1587	1592	VV 2	2285	46060	0.09%	0.017%
18	13.432	1752	1762	1782	PV	2407503	45716633	92.91%	16.460%
19	13.579	1782	1787	1799	VV	9084	163825	0.33%	0.059%
20	16.740	2307	2325	2340	VV 5	3864	99762	0.20%	0.036%
21	17.151	2389	2395	2401	VV 4	7564	132689	0.27%	0.048%
22	17.657	2478	2481	2492	VV 5	3830	57251	0.12%	0.021%
23	18.567	2625	2636	2648	PV	2520522	49203624	100.00%	17.716%
24	18.644	2648	2649	2653	VV 3	1628	18697	0.04%	0.007%
25	20.547	2959	2973	2986	PV	1298207	24954207	50.72%	8.985%
26	21.394	3112	3117	3124	VV 3	9366	157131	0.32%	0.057%
27	22.580	3310	3319	3328	PV 3	15720	312261	0.63%	0.112%
28	22.951	3368	3382	3400	PV 2	2200891	46359797	94.22%	16.692%
29	23.068	3400	3402	3403	VV 2	5476	54674	0.11%	0.020%
30	23.109	3403	3409	3420	VV 2	17525	421142	0.86%	0.152%
31	30.806	4708	4719	4768	PV 2	1628994	37033255	75.27%	13.334%
32	31.376	4805	4816	4823	PV 6	2442	48851	0.10%	0.018%
33	34.702	5367	5382	5415	PV 2	1019433	24399522	49.59%	8.785%
34	34.901	5415	5416	5428	VV 6	5483	142823	0.29%	0.051%
35	34.984	5428	5430	5436	VV 4	1723	21902	0.04%	0.008%

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Sum of collected areas: 27739297

NYC-WTC_000025280

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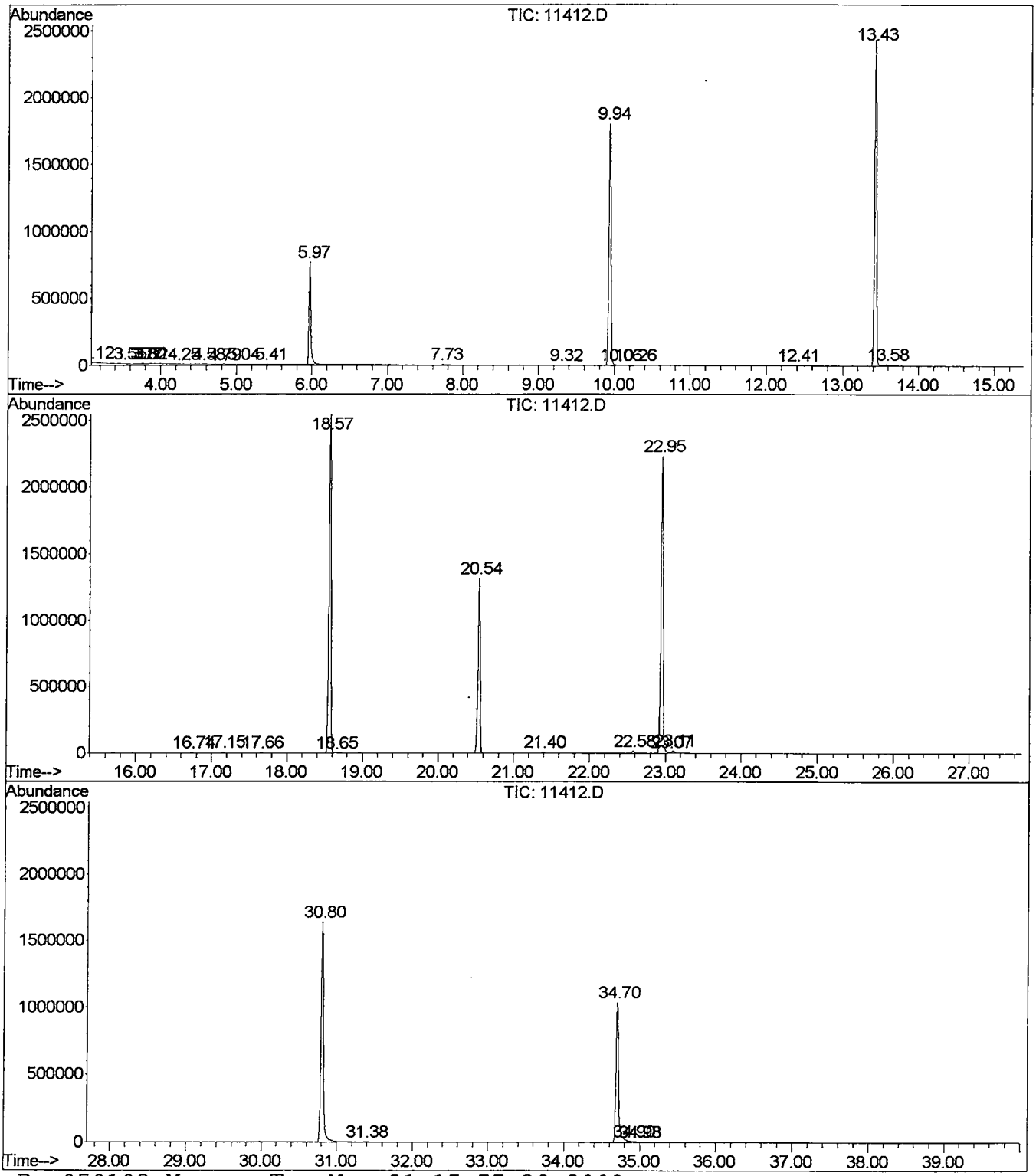
LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\DATA\051702\11412.D
Operator : Mclean
Acquired : 18 May 2002 5:54 am using AcqMethod 508SCAN
Instrument : Instrumen
Sample Name: 5/15 eh
Misc Info :
Vial Number: 21
Quant File :050102.RES (Chemstation Integrator)



NYC-WTC_000025281

NYC 9/11 Public Portal Document

Data File : C:\MSDCHEM\1\DATA\051702\11412.D Vial: 21
Acq On : 18 May 2002 5:54 am Operator: Mclean
Sample : 5/15 eh Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

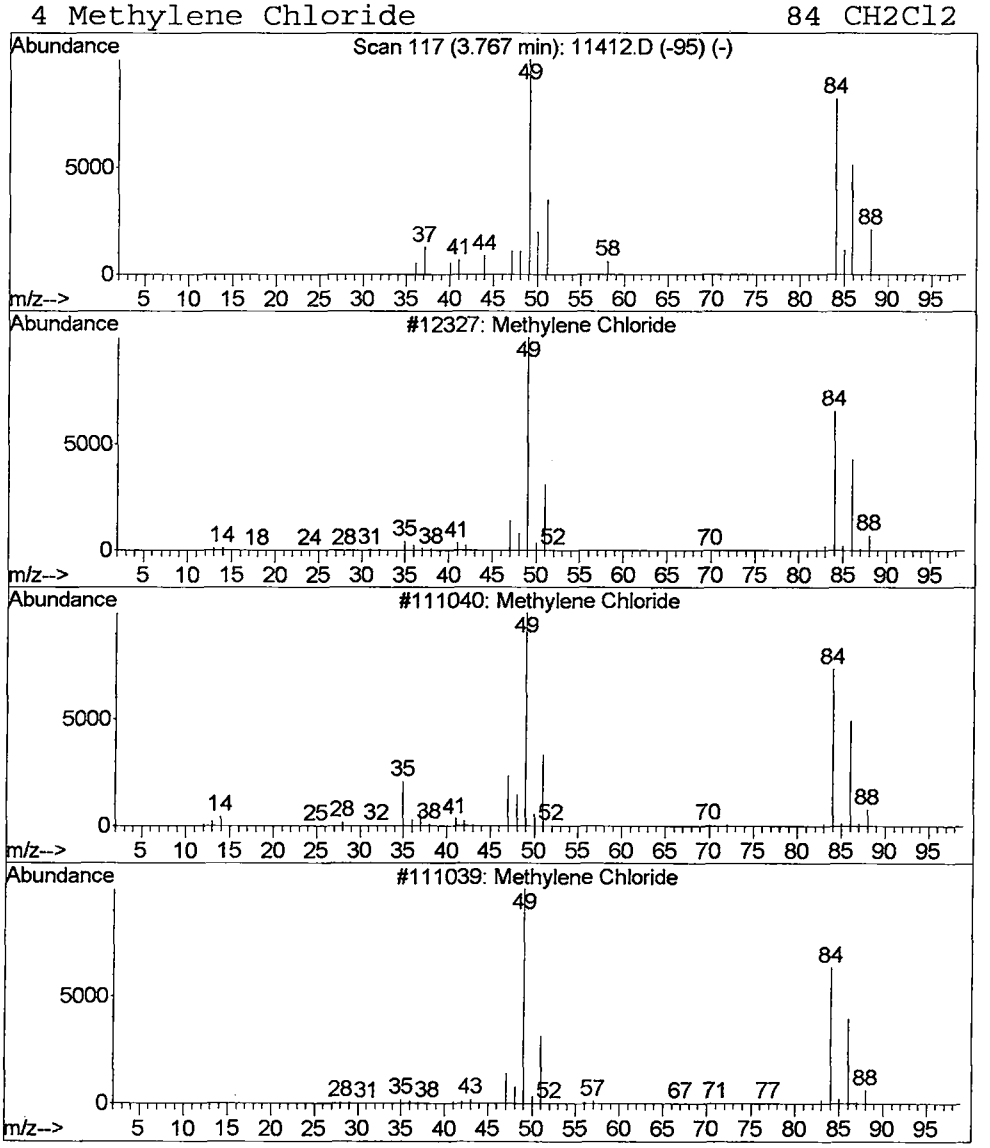
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

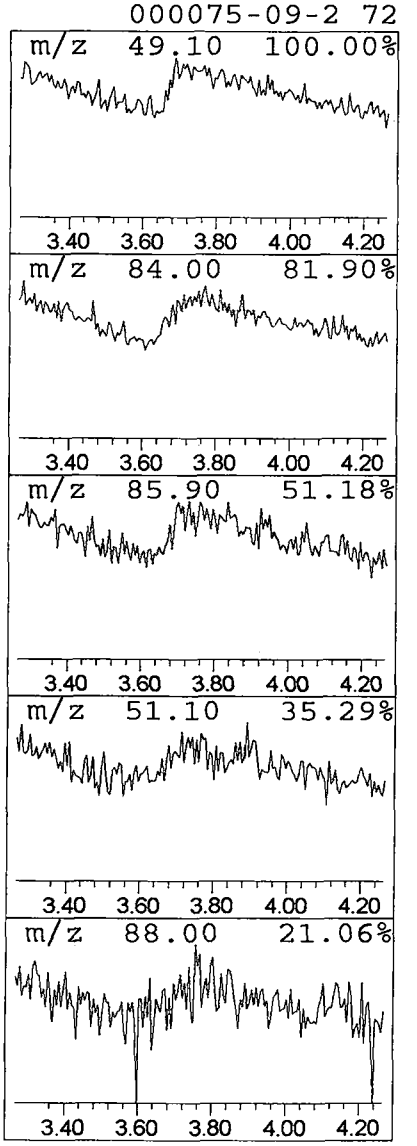
****

Peak Number 1 Methylene Chloride Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.77	0.34 ug/L	294360	1,4-Dichlorobenzene-d4	9.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methylene Chloride	84	CH2Cl2	000075-09-2	80
2	Methylene Chloride	84	CH2Cl2	000075-09-2	80
3	Methylene Chloride	84	CH2Cl2	000075-09-2	72
4	Methylene Chloride	84	CH2Cl2	000075-09-2	72





NYC-WTC_000025282

NYC 9/11 Public Portal Document

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Acq On : 18 May 2002 5:54 am Operator: Mclean
Sample : 5/15 eh Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

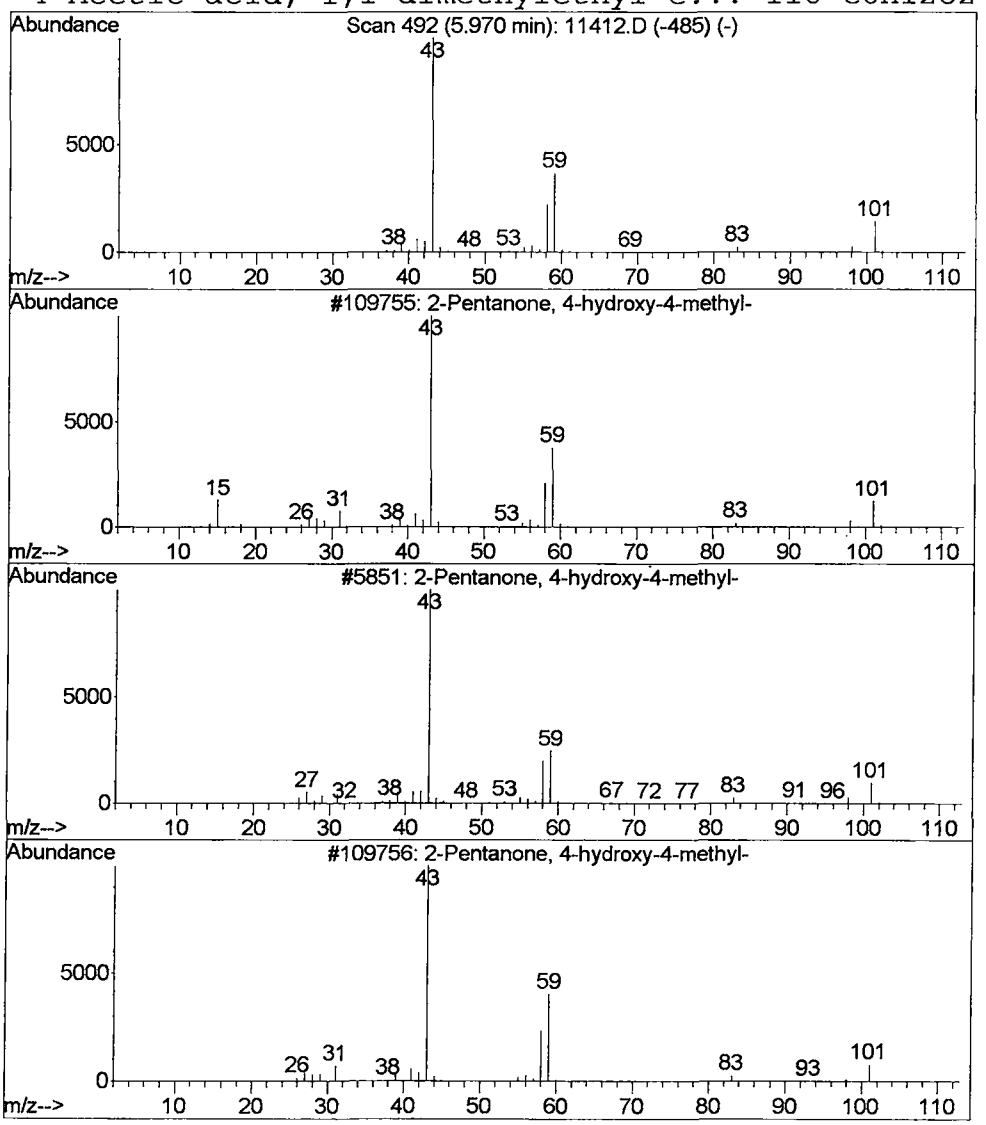
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

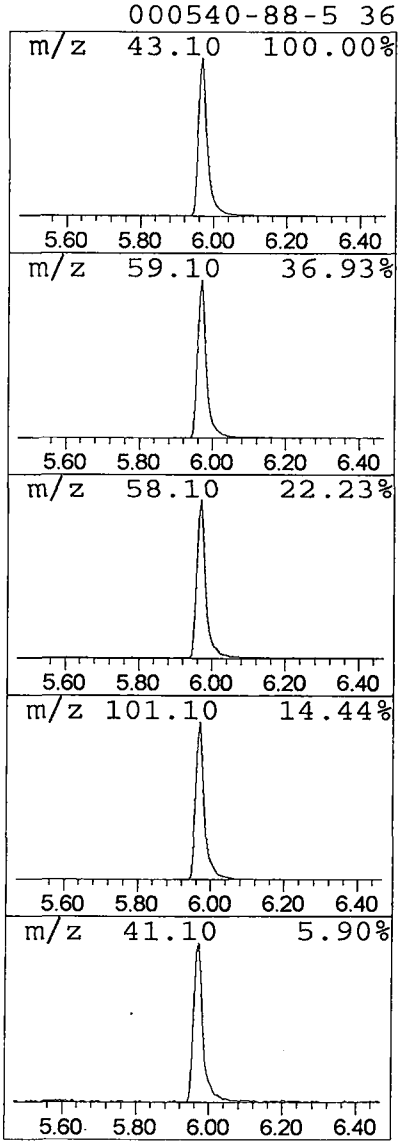
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.97	15.24 ug/L	13046300	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	83
3	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	72
4	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	36





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Acq On : 18 May 2002 5:54 am Operator: Mclean
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Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

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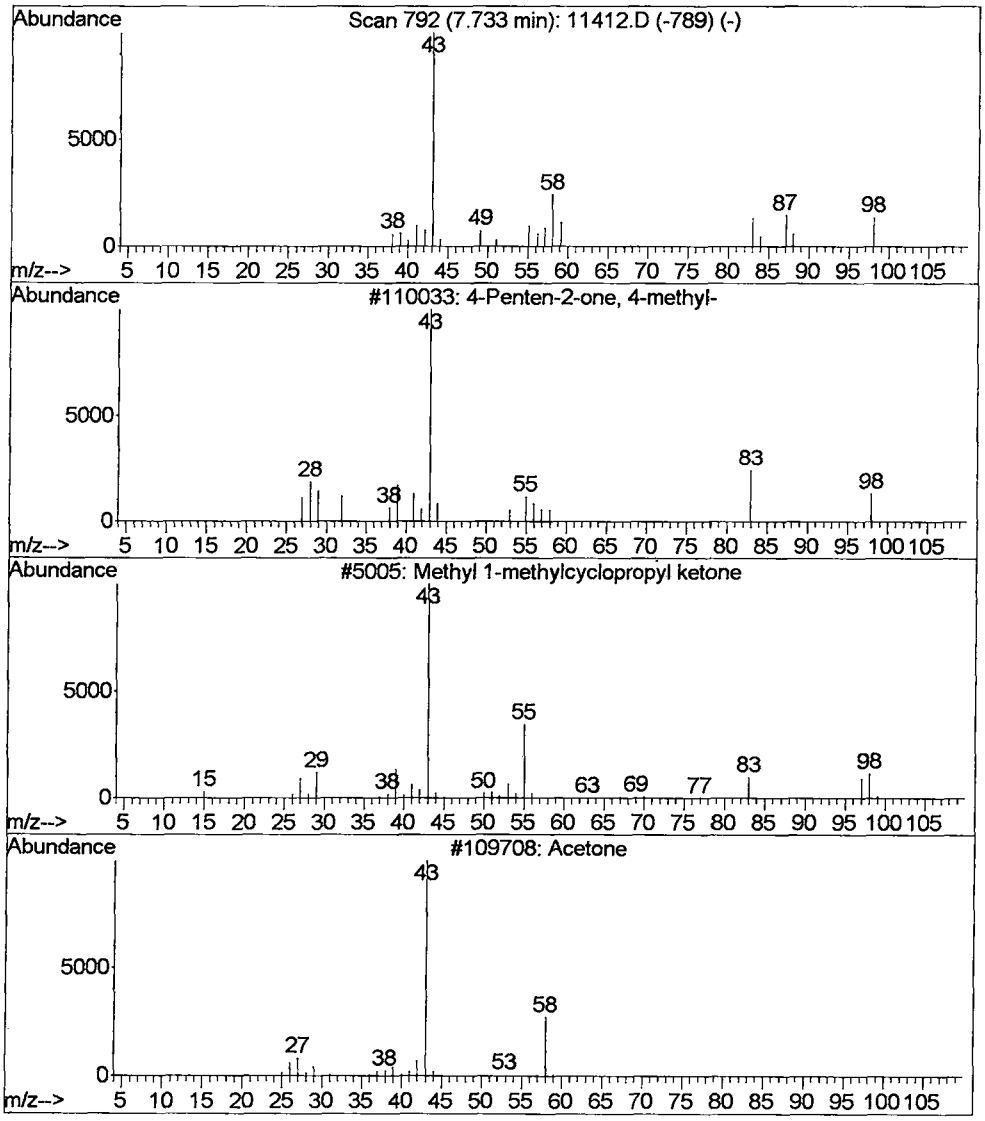
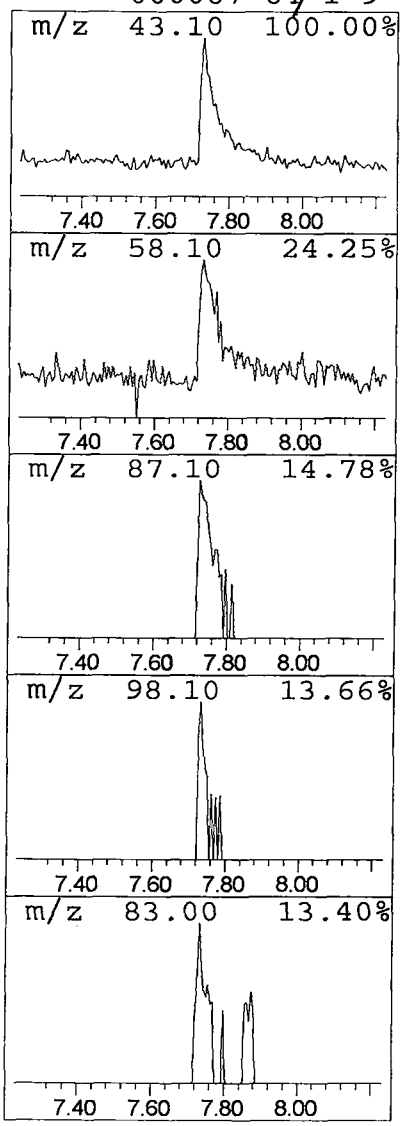
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.73	0.20 ug/L	171336	1,4-Dichlorobenzene-d4	9.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Penten-2-one, 4-methyl-	98	C6H10O	003744-02-3	16
2	Methyl 1-methylcyclopropyl ketone	98	C6H10O	001567-75-5	16
3	Acetone	58	C3H6O	000067-64-1	9
4	Acetone	58	C3H6O	000067-64-1	9





NYC-WTC_000025284

NYC 9/11 Public Portal Document

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Acq On : 18 May 2002 5:54 am Operator: Mclean
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Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

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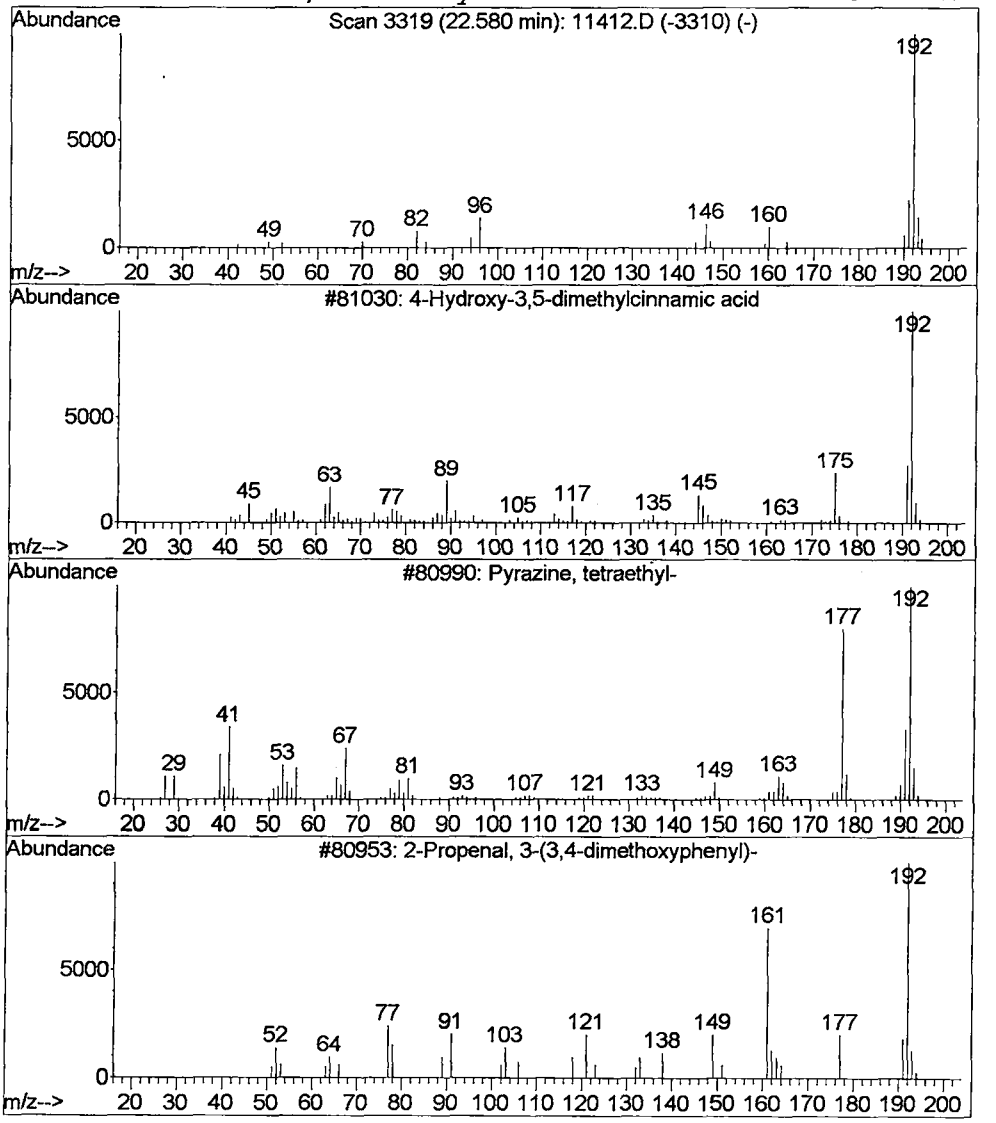
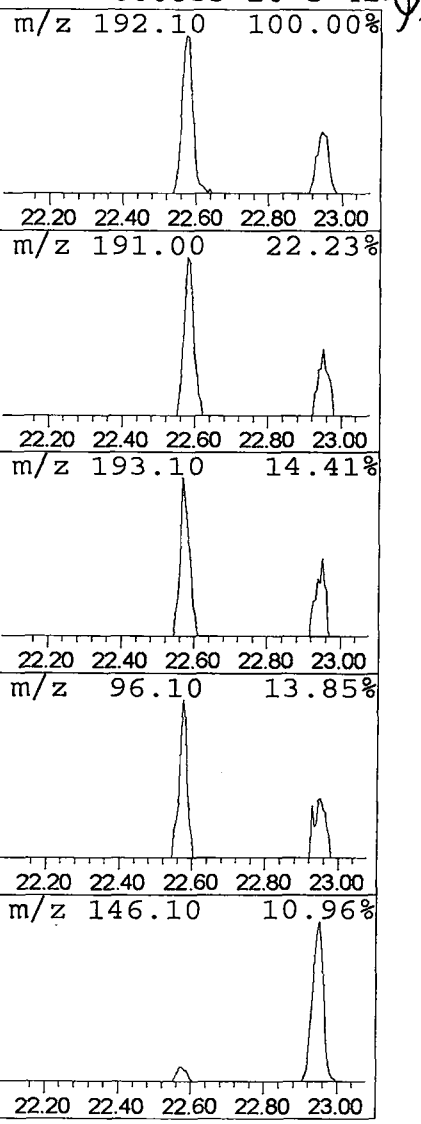
****

Peak Number 4 4-Hydroxy-3,5-dimethylcinna... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.58	0.27 ug/L	312261	Phenanthranene-d10	22.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Hydroxy-3,5-dimethylcinnamic acid	192	C11H12O3	1000132-15-8	59
2	Pyrazine, tetraethyl-	192	C12H20N2	038325-19-8	45
3	2-Propenal, 3-(3,4-dimethoxyphen...	192	C11H12O3	004497-40-9	45
4	Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	42





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Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

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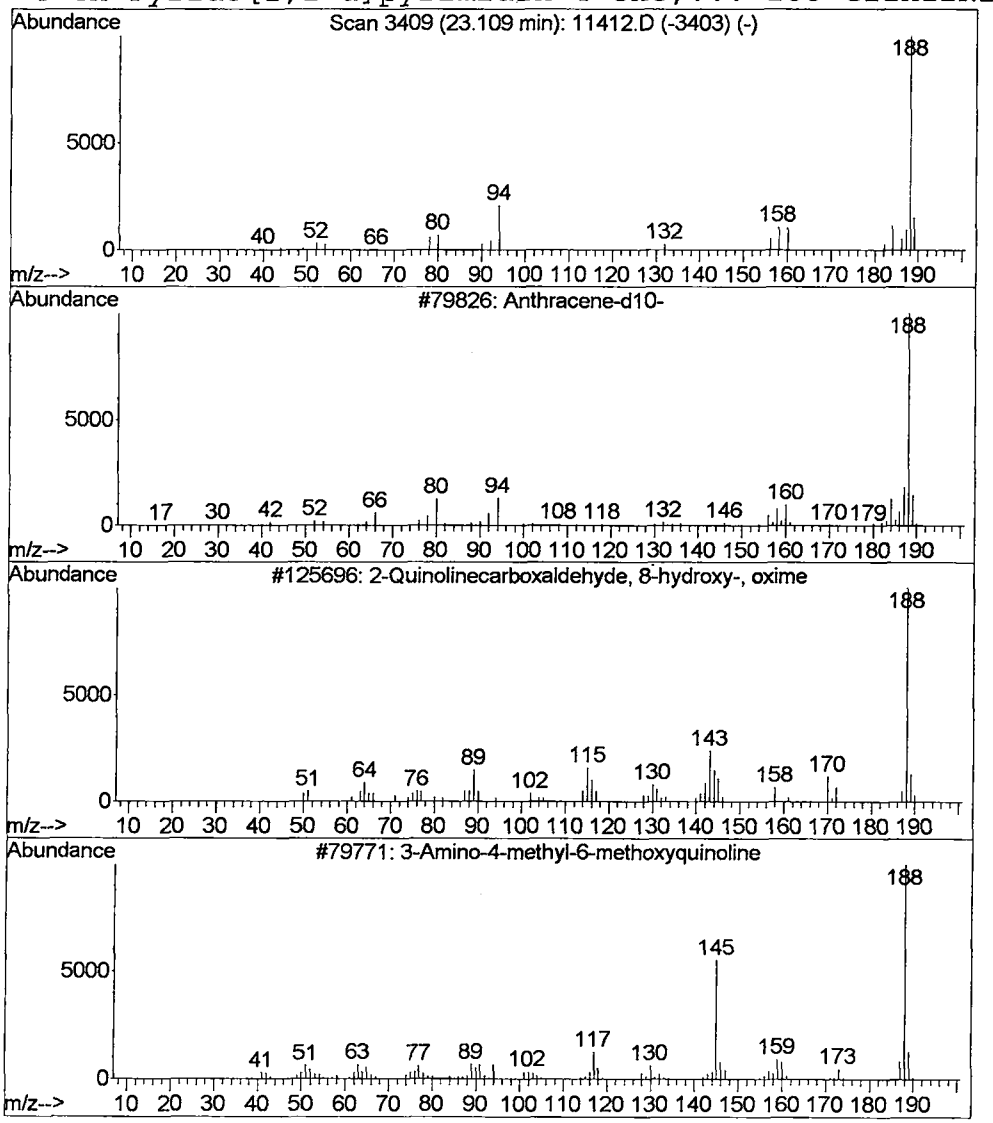
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

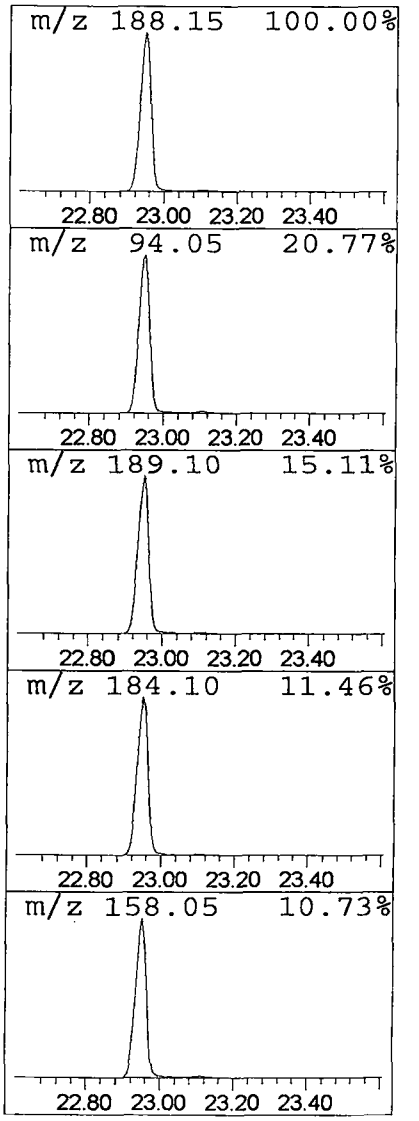
****

Peak Number 5 Anthracene-d10- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.11	0.36 ug/L	421142	Phenanthranene-d10	22.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene-d10-	188	C14D10	001719-06-8	47
2	2-Quinolinecarboxaldehyde, 8-hyd...	188	C10H8N2O2	005603-22-5	40
3	3-Amino-4-methyl-6-methoxyquinoline	188	C11H12N2O	1000213-71-3	40
4	4H-Pyrido[1,2-a]pyrimidin-4-one,...	188	C11H12N2O	057773-19-0	38





NYC-WTC_000025286

NYC 9/11 Public Portal Document

Data File : C:\MSDCHEM\1\DATA\051702\11412.D Vial: 21
Acq On : 18 May 2002 5:54 am Operator: Mclean
Sample : 5/15 eh Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

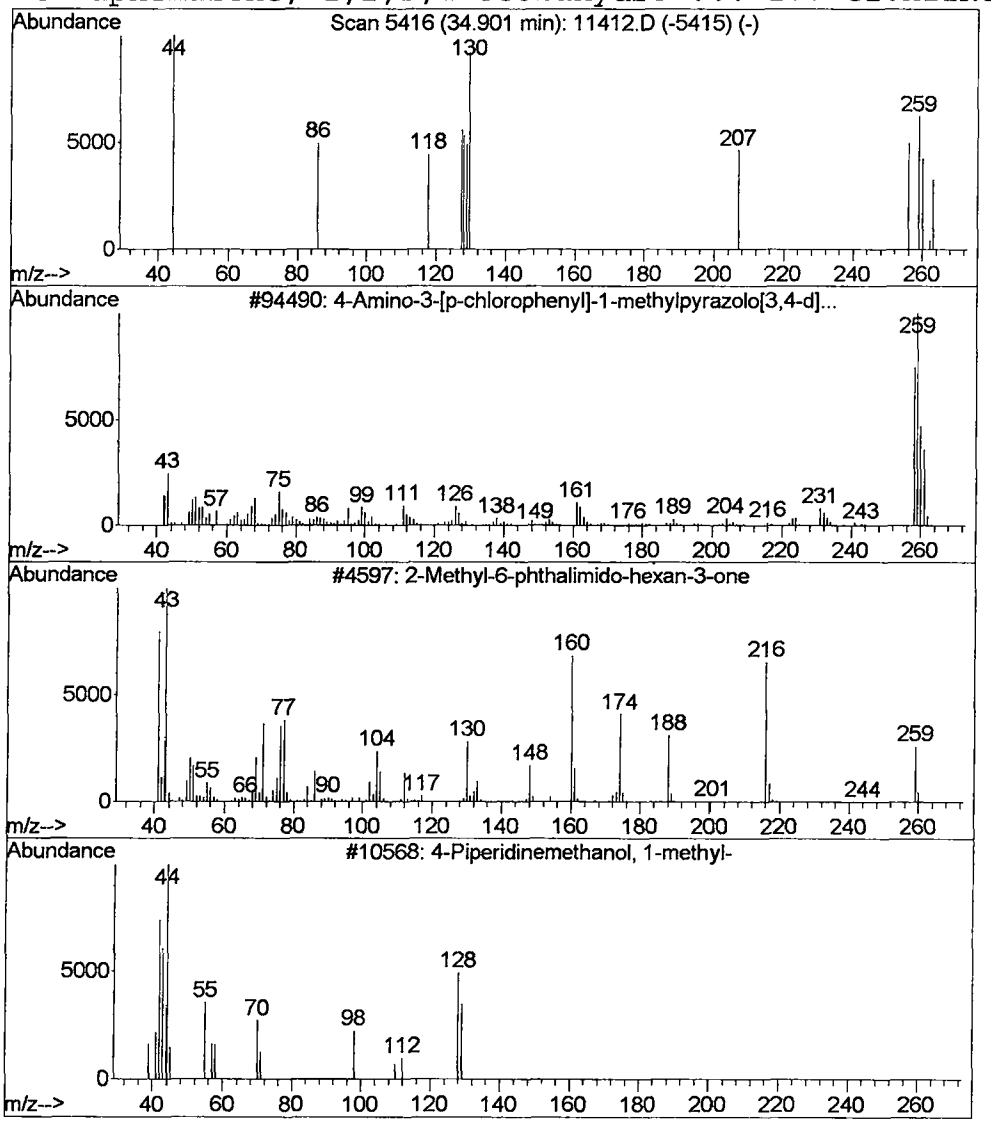
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

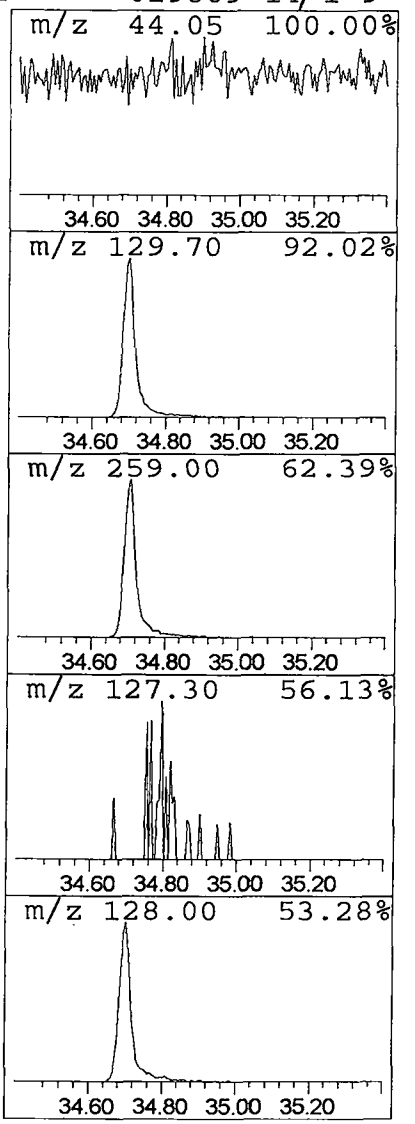
****

Peak Number 6 4-Amino-3-[p-chlorophenyl]-... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
34.90	0.23 ug/L	142823	Perylene-d12	34.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Amino-3-[p-chlorophenyl]-1-met...	259	C12H10ClN5	1000214-63-7	9
2	2-Methyl-6-phthalimido-hexan-3-one	259	C15H17NO3	1000213-32-0	9
3	4-Piperidinemethanol, 1-methyl-	129	C7H15NO	020691-89-8	9
4	Naphthalene, 1,2,3,4-tetrahydro-...	177	C10H11NO2	029809-14-1	9





NYC-WTC_000025287

NYC 9/11 Public Portal Document

Tentatively Identified Compound (ESC) Summary

Operator ID: Mclean Date Acquired: 18 May 2002 5:54 am
Data File: C:\MSDCHEM\1\DATA\051702\11412.D
Name: 5/15 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	3.77	0.3	ug/L	294360	1	9.94	34247000	40.0
2-Pentanone, 4-hy...	5.97	15.2	ug/L	13046300	1	9.94	34247000	40.0
4-Penten-2-one, 4...	7.73	0.2	ug/L	171336	1	9.94	34247000	40.0
4-Hydroxy-3,5-dim...	22.58	0.3	ug/L	312261	4	22.95	46359800	40.0
Anthracene-d10-	23.11	0.4	ug/L	421142	4	22.95	46359800	40.0
4-Amino-3-[p-chlo...	34.90	0.2	ug/L	142823	6	34.70	24399500	40.0

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