User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 05/09/2002 Time: 13:55:14

Sample: AE09974
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 5/9/02 13:54 Ended: 5/9/02 13:54 Analyst: DLV
Page: 1

	Component Name	Vial	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr_2,4-DDD		74		10.0

Comments for Sample AE09974 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 05-09-2002 Time: 13:55:17

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.

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\050602\9974.D Vial: 22
Acq On : 7 May 2002 4:48 am Operator: Mclean
Sample : 4/25 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: May 07 15:52:59 2002 Quant Results File: 050102.RES

Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Last Update : Tue May 07 14:35:08 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	5180191	40.00	ug/L	0.00
10) Napthalene-d8	13.43	136	20875709	40.00	ug/L	0.00
17) Acenapthalene-d10	18.57	164	11463158	40.00	ug/L	0.00
29) Phenanthranene-d10	22.96	188	16799804	40.00	ug/L	0.00
37) Chrysene-d12	30.81	240	12604351	40.00	ug/L	0.00
43) Perylene-d12	34.71	264	7603917	40.00	ug/L	0.00
System Monitoring Compounds						
27) TCMX	20.54	209	534030	7.40	ug/L	0.00
Spiked Amount 10.000			Recovery = 74.00%			
50) 2,4-ddd	0.00	235	0	0.00	ug/L	
Spiked Amount 5.000			Recovery = 0.00%			
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	0.00	77	0	N.D.		
30) Nnitrosodiphenylamine	0.00	169	0	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.		

(#) = qualifier out of range (m) = manual integration

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Title : 508 Modified GC/MS scan
Last Update : Tue May 07 14:35:08 2002
Response via : Initial Calibration
DataAcq Meth : 508SCAN

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
34)	Anthracene	0.00	178	0	N.D.	
35)	Di-n-butylphthalate	25.09	149	28800	N.D.	
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	32938	N.D.	
41)	Bis(2-ethylhexyl)phthalate	31.38	149	54503	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.	
51)	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 : 7 May 2002 4:48 am Operator: Mclean
Sample : 4/25 Inst : Instrumen
Misc : Multiplr: 1.00
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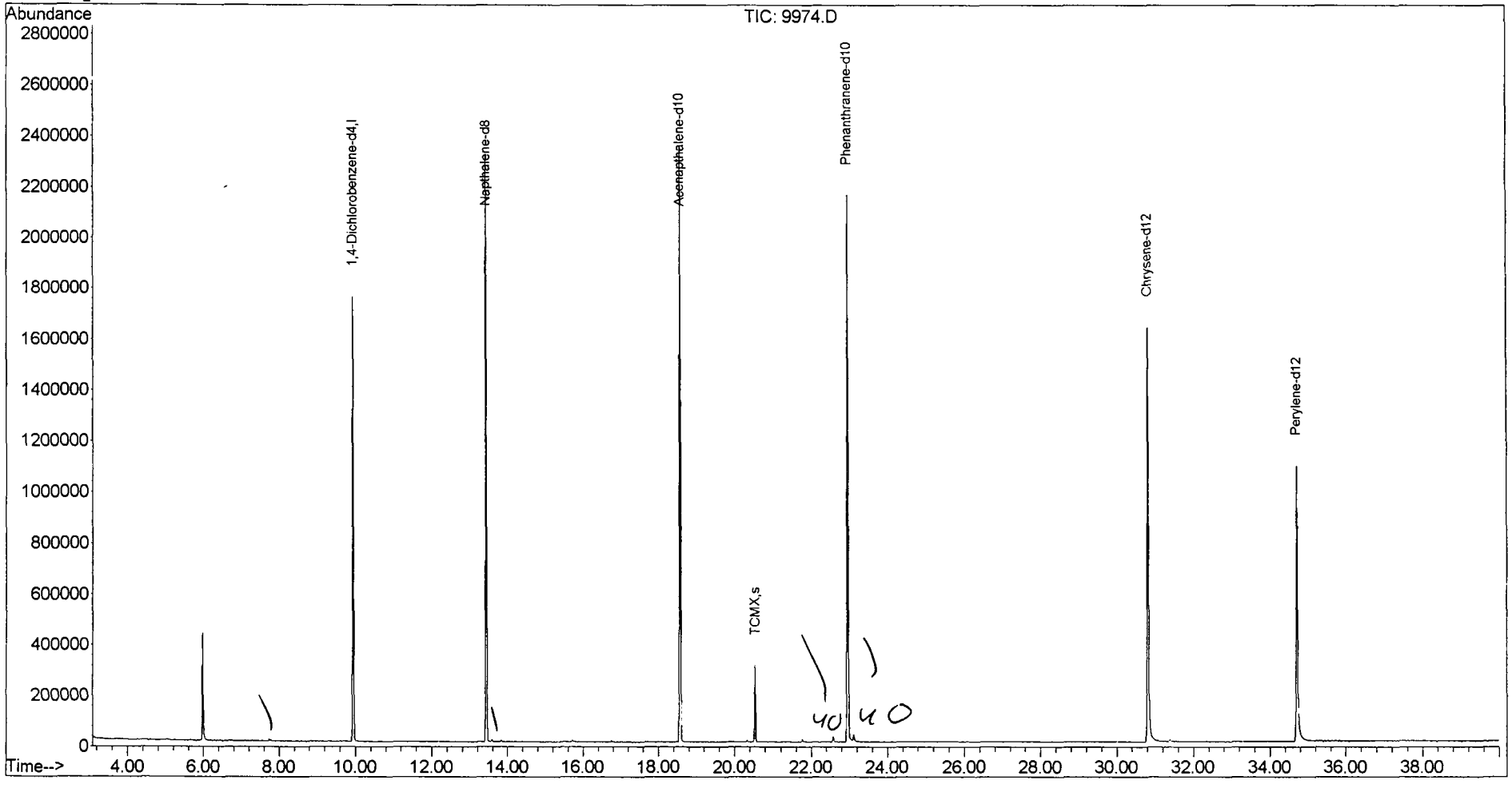
Quant Time: May 7 15:53 2002 Quant Results File: 050102.RES

Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Last Update : Tue May 07 14:35:08 2002
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\MSDCHEM\1\DATA\050602\9974.D
Acq On : 7 May 2002 4:48 am
Sample : 4/25
Misc :
MS Integration Params: LSCINT.e

Vial: 22
Operator: Mclean
Inst : Instrumen
Multiplr: 1.00

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

Signal : TIC

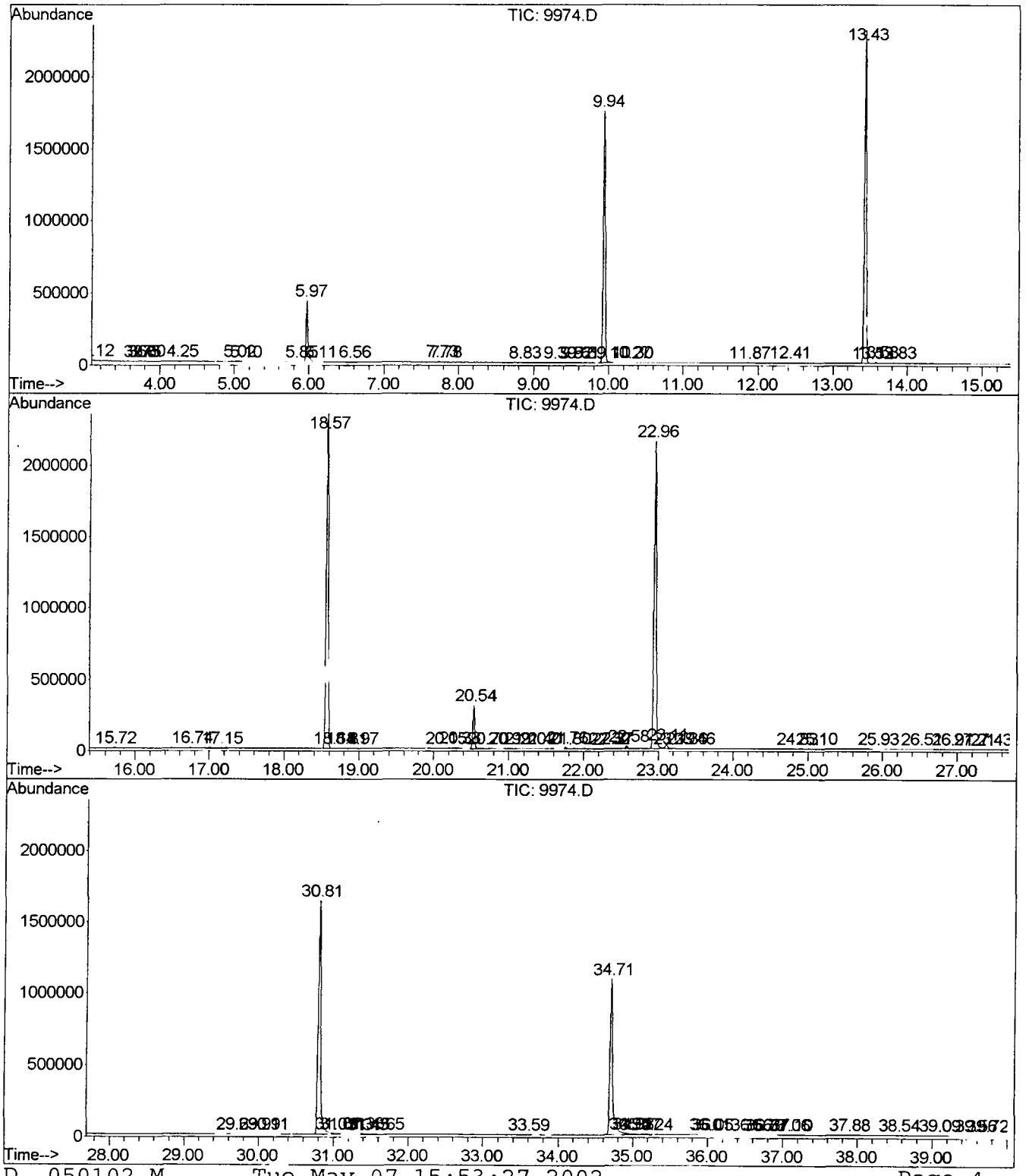
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.114	3	6	20	BV 4	3626	86401	0.18%	0.034%
2	3.673	98	101	106	PV 5	1918	39974	0.09%	0.016%
3	3.725	106	110	112	VV 4	3179	56914	0.12%	0.022%
4	3.749	112	114	121	VV 3	3067	82452	0.18%	0.033%
5	3.802	121	123	126	VV 2	3387	40449	0.09%	0.016%
6	4.254	197	200	206	VV 6	3617	72236	0.15%	0.028%
7	5.024	325	331	341	PV 5	5753	137134	0.29%	0.054%
8	5.106	341	345	347	VV 4	2162	31717	0.07%	0.013%
9	5.852	465	472	477	VV 5	1953	46932	0.10%	0.019%
10	5.970	482	492	514	VV	416114	7390422	15.81%	2.915%
11	6.105	514	515	517	VV 2	2979	29211	0.06%	0.012%
12	6.557	583	592	599	PV 4	1539	25813	0.06%	0.010%
13	7.733	788	792	799	PV 3	6882	136877	0.29%	0.054%
14	7.780	799	800	820	VV 4	3228	89455	0.19%	0.035%
15	8.831	975	979	983	PV 2	1688	21254	0.05%	0.008%
16	9.295	1055	1058	1060	VV 2	2072	19876	0.04%	0.008%
17	9.519	1090	1096	1101	PV 5	1528	31629	0.07%	0.012%
18	9.613	1106	1112	1114	VV 4	1679	24072	0.05%	0.009%
19	9.689	1118	1125	1128	PV 6	1522	20511	0.04%	0.008%
20	9.942	1156	1168	1187	BV	1720675	31695223	67.79%	12.503%
21	10.265	1214	1223	1228	PV 4	2476	50581	0.11%	0.020%
22	10.306	1228	1230	1232	VV 3	1842	16025	0.03%	0.006%
23	11.863	1485	1495	1502	VV 4	3663	77976	0.17%	0.031%
24	12.410	1582	1588	1593	VV 2	4466	78312	0.17%	0.031%
25	13.432	1752	1762	1775	PV	2277474	42796024	91.53%	16.882%
26	13.514	1775	1776	1781	VV 2	2705	47923	0.10%	0.019%
27	13.585	1781	1788	1795	VV 2	8234	187143	0.40%	0.074%
28	13.826	1817	1829	1840	VV 6	5377	149191	0.32%	0.059%
29	15.717	2143	2151	2161	PV 5	5591	146861	0.31%	0.058%
30	16.746	2321	2326	2329	VV 3	5427	78853	0.17%	0.031%
31	17.151	2391	2395	2398	PV 3	1995	20812	0.04%	0.008%
32	18.573	2623	2637	2647	PV	2367124	46756636	100.00%	18.445%
33	18.644	2647	2649	2666	VB 6	2326	52041	0.11%	0.021%
34	18.814	2668	2678	2680	BV 4	1860	14597	0.03%	0.006%
35	18.967	2697	2704	2711	VV 3	2527	49362	0.11%	0.019%
36	20.148	2902	2905	2909	PV 3	1467	21438	0.05%	0.008%
37	20.324	2929	2935	2940	VV 2	6385	115395	0.25%	0.046%

38	20.535	2953	2971	2985	PV		296141	5310628	11.36%	2.095%
39	20.706	2985	3000	3009	VV	2	2206	100721	0.22%	0.040%
40	20.988	3043	3048	3063	VV	4	2234	106181	0.23%	0.042%
41	21.199	3080	3084	3086	VV	2	2316	24171	0.05%	0.010%
42	21.399	3111	3118	3124	VV	2	2388	62214	0.13%	0.025%
43	21.763	3173	3180	3185	VV	2	11914	226772	0.49%	0.089%
44	21.799	3185	3186	3192	VV	3	3200	62636	0.13%	0.025%
45	22.322	3273	3275	3279	VV		1889	22172	0.05%	0.009%
46	22.369	3279	3283	3285	VV		2017	21950	0.05%	0.009%
47	22.580	3312	3319	3330	VV	2	20552	410728	0.88%	0.162%
48	22.956	3372	3383	3403	VV	2	2123743	46218352	98.85%	18.232%
49	23.109	3403	3409	3421	VV	2	28246	748230	1.60%	0.295%
50	23.191	3421	3423	3425	VV	3	3862	58089	0.12%	0.023%
51	23.362	3448	3452	3458	VV	2	2603	55236	0.12%	0.022%
52	23.462	3466	3469	3471	VV		2489	27257	0.06%	0.011%
53	24.831	3695	3702	3707	VV		1852	41964	0.09%	0.017%
54	25.095	3730	3747	3753	VV	2	2873	111888	0.24%	0.044%
55	25.923	3885	3888	3895	VV	2	1903	32561	0.07%	0.013%
56	26.505	3986	3987	3989	VV		1709	9822	0.02%	0.004%
57	26.916	4053	4057	4065	PV	2	1472	20901	0.04%	0.008%
58	27.204	4102	4106	4112	PV		1694	31462	0.07%	0.012%
59	27.433	4140	4145	4148	VV		1911	26722	0.06%	0.011%
60	29.690	4525	4529	4531	VV		1964	19010	0.04%	0.007%
61	29.989	4571	4580	4582	VV	3	2025	44180	0.09%	0.017%
62	30.113	4595	4601	4607	PV		1713	33529	0.07%	0.013%
63	30.812	4708	4720	4752	VV	2	1643105	39448275	84.37%	15.562%
64	31.012	4752	4754	4762	VV	3	6835	183659	0.39%	0.072%
65	31.076	4762	4765	4768	VV	2	4287	75923	0.16%	0.030%
66	31.382	4808	4817	4824	VV	4	9082	222974	0.48%	0.088%
67	31.429	4824	4825	4827	VV		3281	29759	0.06%	0.012%
68	31.452	4827	4829	4832	VV		3116	38550	0.08%	0.015%
69	31.646	4859	4862	4864	PV		1698	14316	0.03%	0.006%
70	33.585	5185	5192	5196	VV	3	1847	29944	0.06%	0.012%
71	34.713	5370	5384	5421	VV	2	1071388	27879561	59.63%	10.998%
72	34.942	5421	5423	5428	VV	4	7820	165567	0.35%	0.065%
73	34.984	5428	5430	5444	VV	6	5955	234434	0.50%	0.092%
74	35.072	5444	5445	5453	VV	3	4251	99726	0.21%	0.039%
75	35.242	5469	5474	5477	VV	2	2945	63919	0.14%	0.025%
76	36.012	5600	5605	5608	VV	2	2365	52344	0.11%	0.021%
77	36.047	5608	5611	5613	VV	3	2443	32378	0.07%	0.013%
78	36.564	5697	5699	5708	VV		3095	67143	0.14%	0.026%
79	36.729	5724	5727	5731	VV	4	2617	43610	0.09%	0.017%
80	36.764	5731	5733	5736	VV	3	2650	34760	0.07%	0.014%
81	37.063	5777	5784	5788	VV	2	2645	62207	0.13%	0.025%
82	37.099	5788	5790	5793	VV	2	2495	34871	0.07%	0.014%
83	37.874	5920	5922	5926	VV	3	2600	31808	0.07%	0.013%
84	38.544	6034	6036	6038	PV	2	1468	10976	0.02%	0.004%
85	39.085	6126	6128	6137	PV	5	1587	24937	0.05%	0.010%
86	39.566	6203	6210	6212	PV	2	2036	27883	0.06%	0.011%
87	39.719	6229	6236	6239	PV	2	1365	20936	0.04%	0.008%

Sum of corrected areas: 253495554

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\DATA\050602\9974.D
Operator : Mclean
Acquired : 7 May 2002 4:48 am using AcqMethod 508SCAN
Instrument : Instrumen
Sample Name: 4/25
Misc Info :
Vial Number: 22
Quant File :050102.RES (Chemstation Integrator)



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MS Integration Params: LSCINT.e

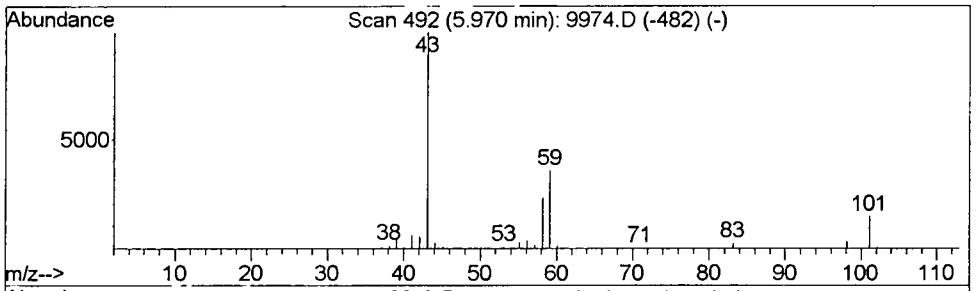
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

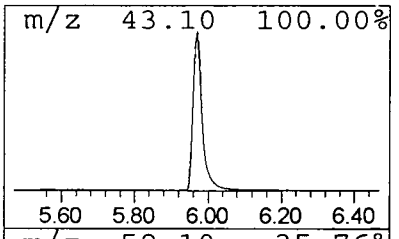
****

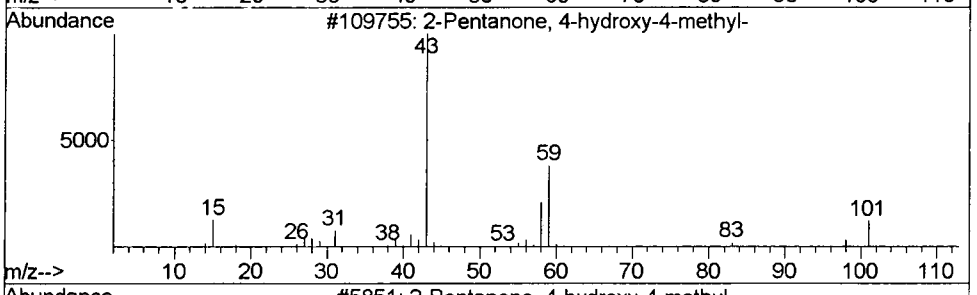
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

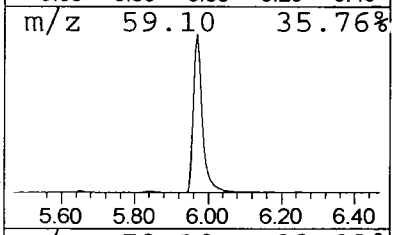
R.T.	EstConc	Area	Relative to ISTD	R.T.
5.97	9.33 ug/L	7390420	1,4-Dichlorobenzene-d4	9.94

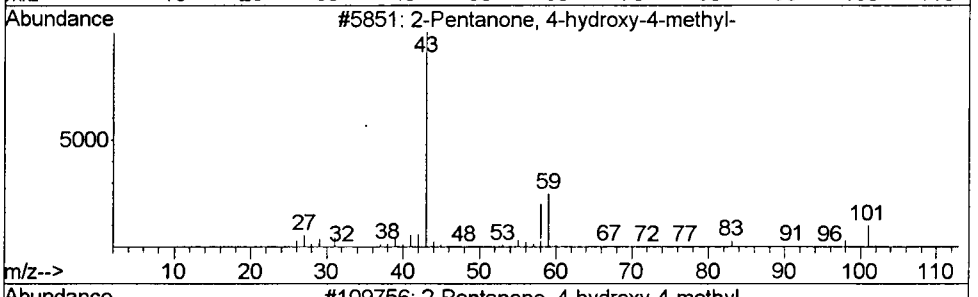
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	83
2	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	83
3	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	72
4	Acetone	58	C3H6O	000067-64-1	35

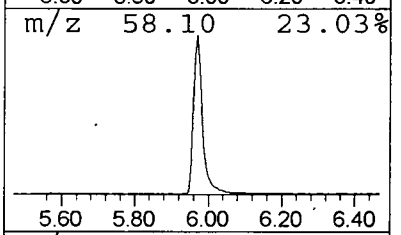


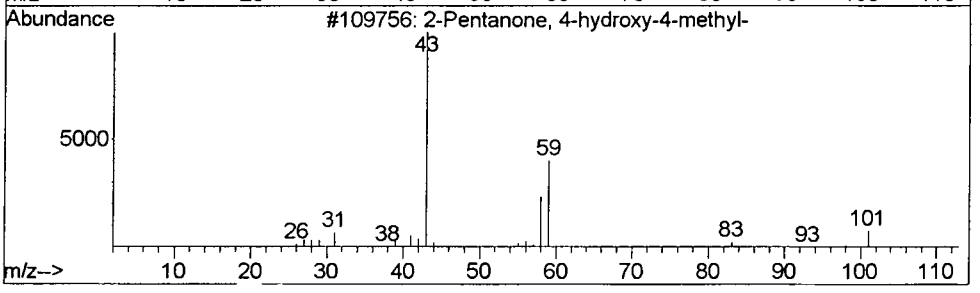


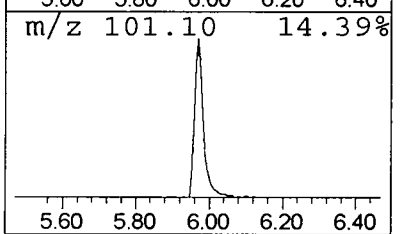


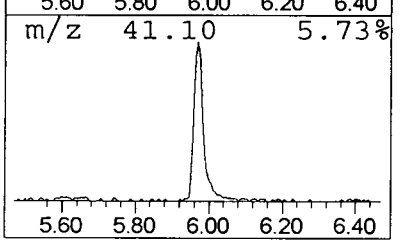












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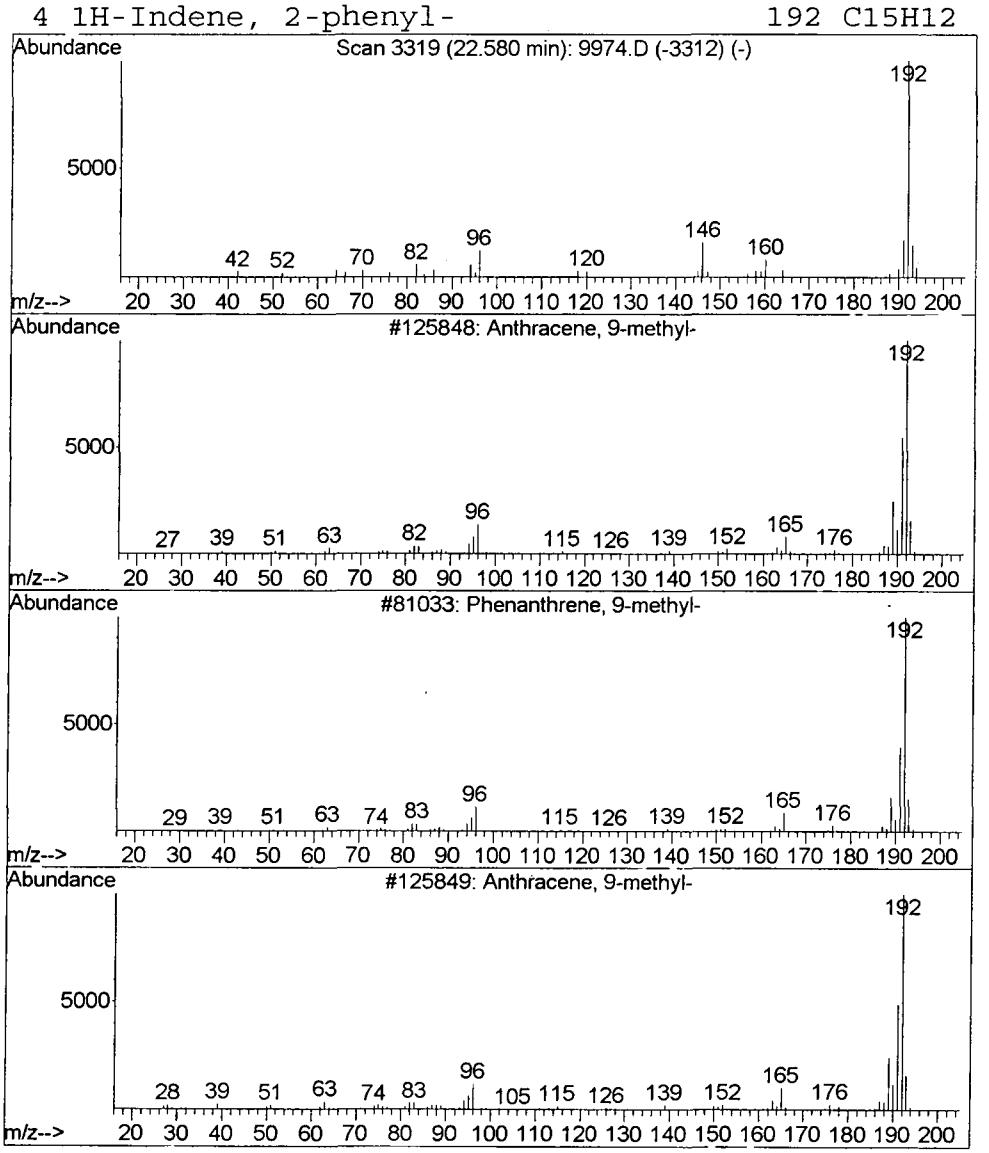
Library : C:\DATABASE\NIST98.L

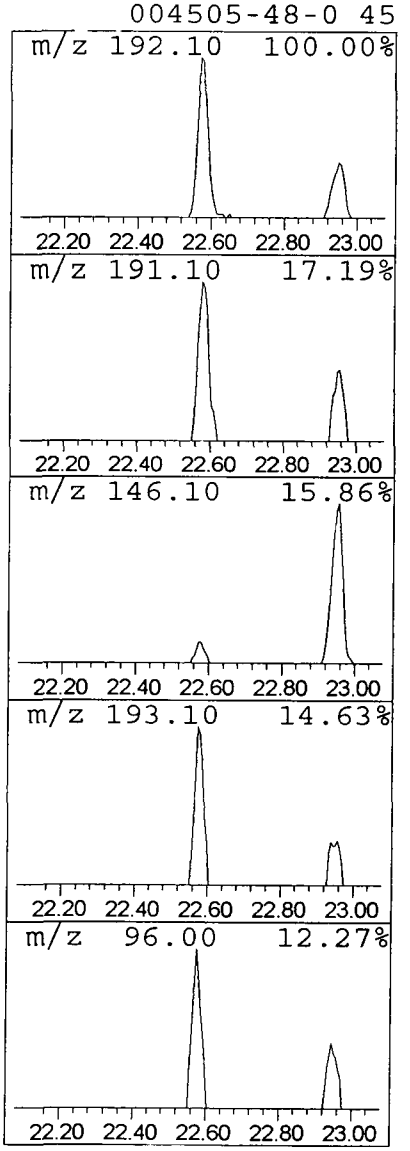
****

Peak Number 2 Anthracene, 9-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.58	0.36 ug/L	410728	Phenanthranene-d10	22.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	59
2	Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	59
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	53
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	45





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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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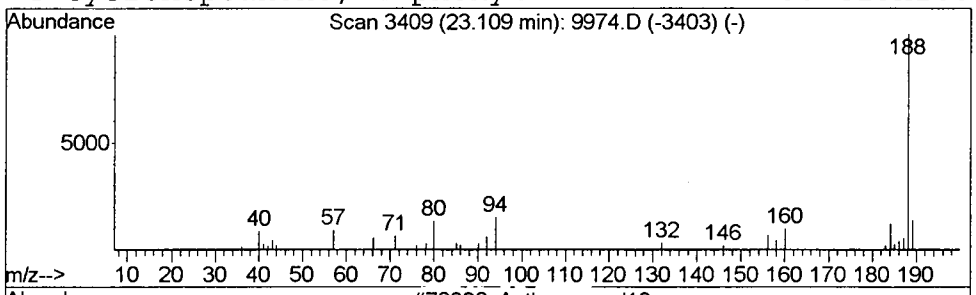
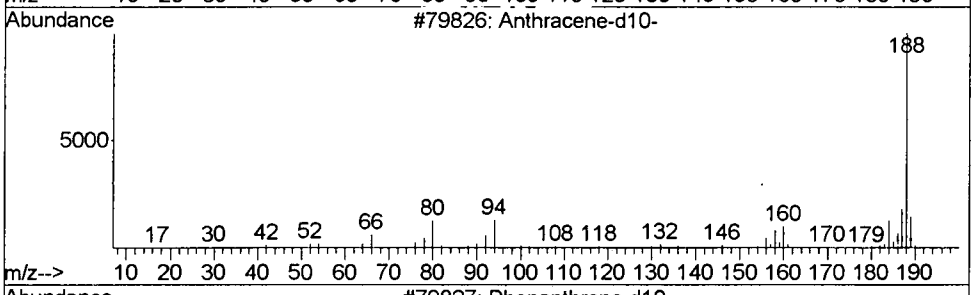
Peak Number 3 Anthracene-d10- Concentration Rank 2

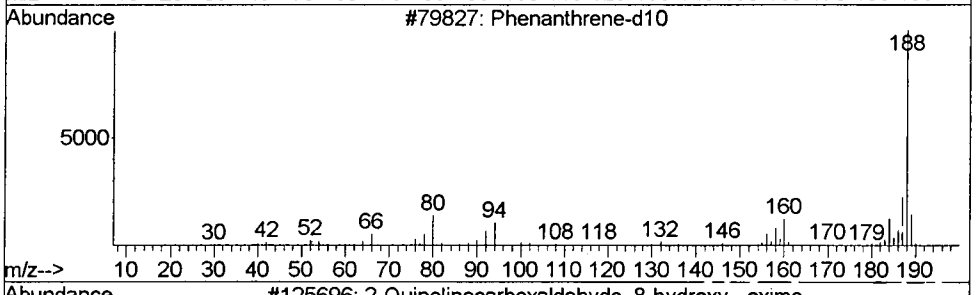
R.T.	EstConc	Area	Relative to ISTD	R.T.
23.11	0.65 ug/L	748230	Phenanthranene-d10	22.96

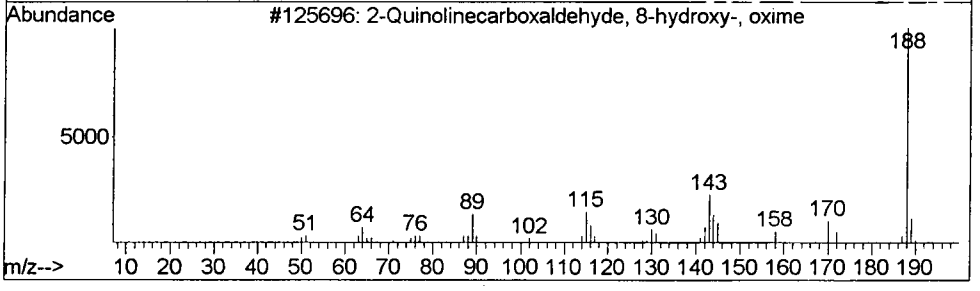
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene-d10-	188	C14D10	001719-06-8	93
2	Phenanthrene-d10	188	C14D10	001517-22-2	93
3	2-Quinolinecarboxaldehyde, 8-hyd...	188	C10H8N2O2	005603-22-5	40
4	Cycloheptanone, 4-phenyl-	188	C13H16O	067688-28-2	38

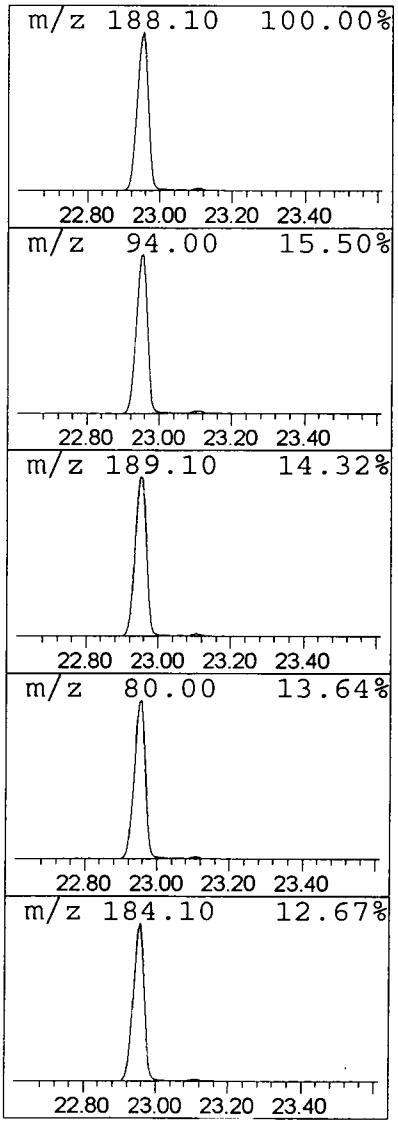
IS











Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\050602\9974.D Vial: 22
Acq On : 7 May 2002 4:48 am Operator: Mclean
Sample : 4/25 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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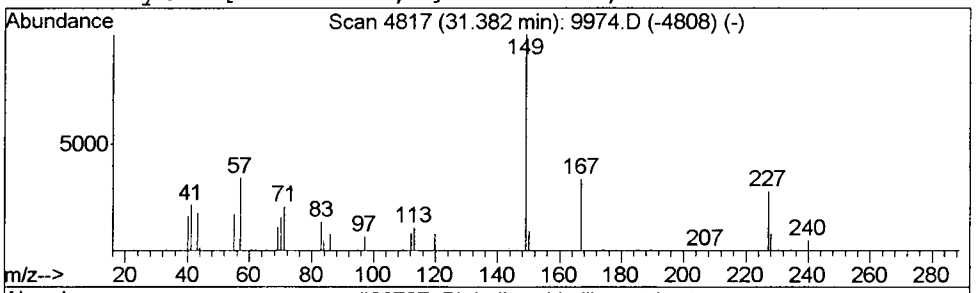
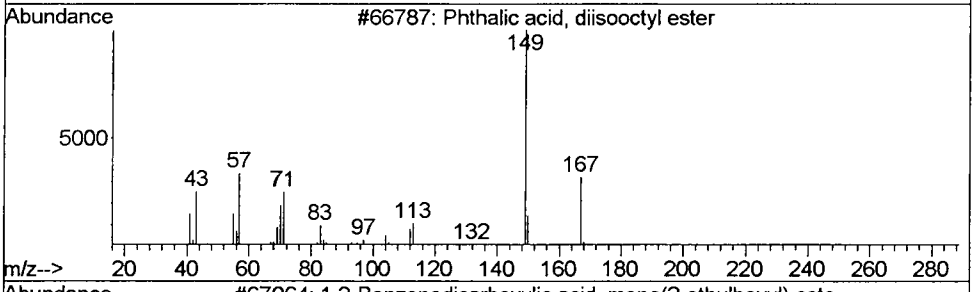
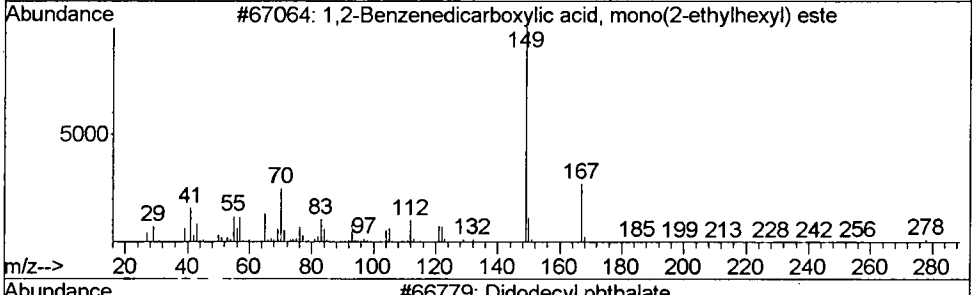
Peak Number 4 Phthalic acid, diisooctyl e... Concentration Rank 6

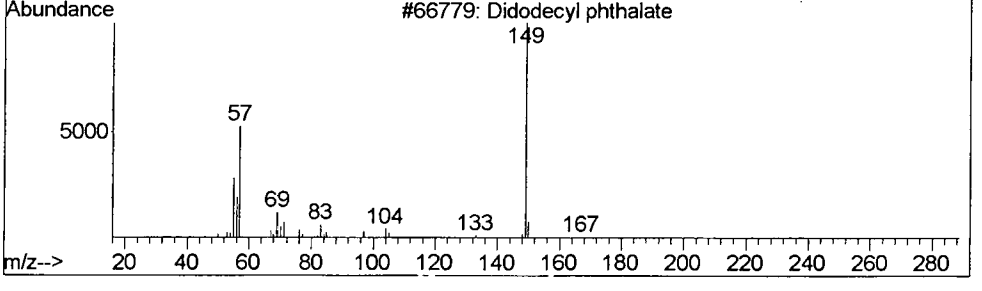
R.T.	EstConc	Area	Relative to ISTD	R.T.
31.38	0.23 ug/L	222974	Chrysene-d12	30.81

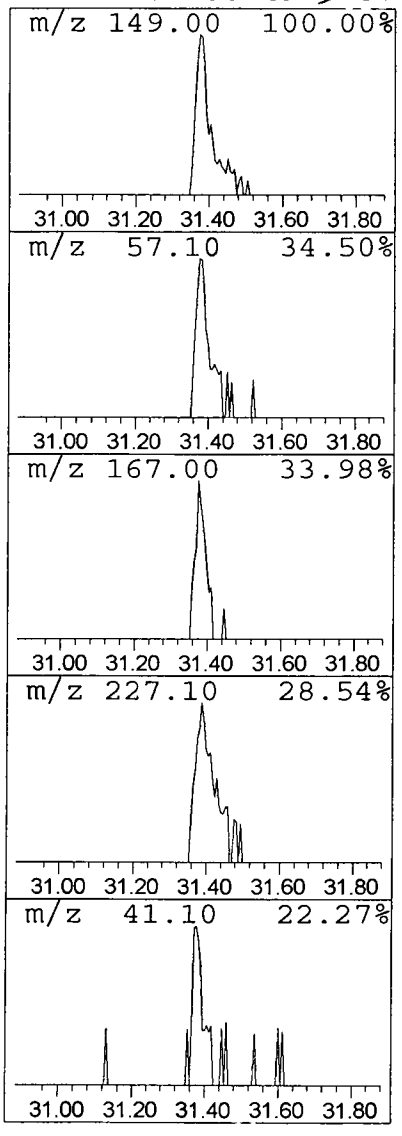
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phthalic acid, diisooctyl ester	390	C24H38O4	001330-91-2	53
2	1,2-Benzenedicarboxylic acid, mo...	278	C16H22O4	004376-20-9	50
3	Didodecyl phthalate	502	C32H54O4	002432-90-8	38
4	Tricyclo[3.3.1.13,7]decanone, 4-...	228	C10H13BrO	032456-49-8	37











Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\050602\9974.D
Acq On : 7 May 2002 4:48 am
Sample : 4/25
Misc :
MS Integration Params: LSCINT.e

Vial: 22
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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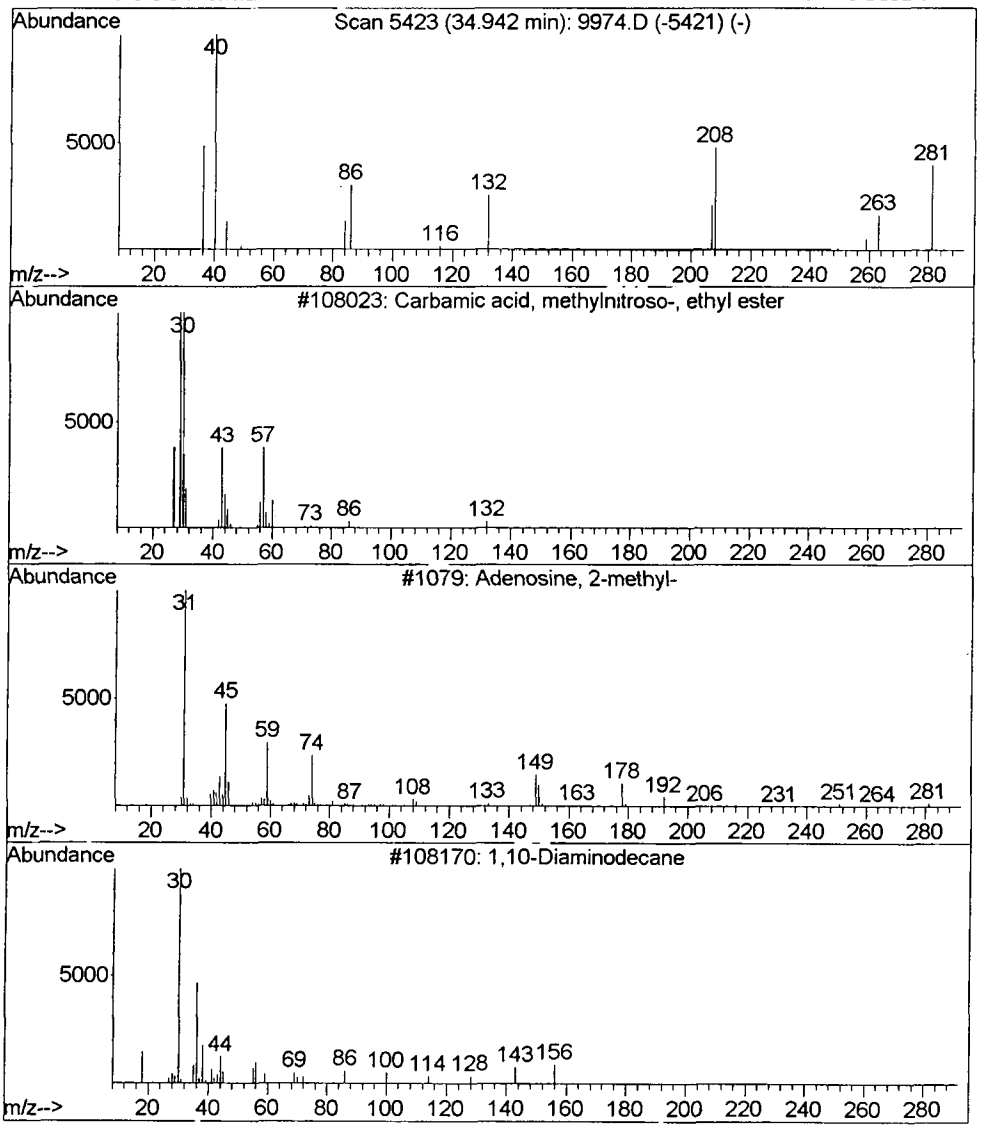
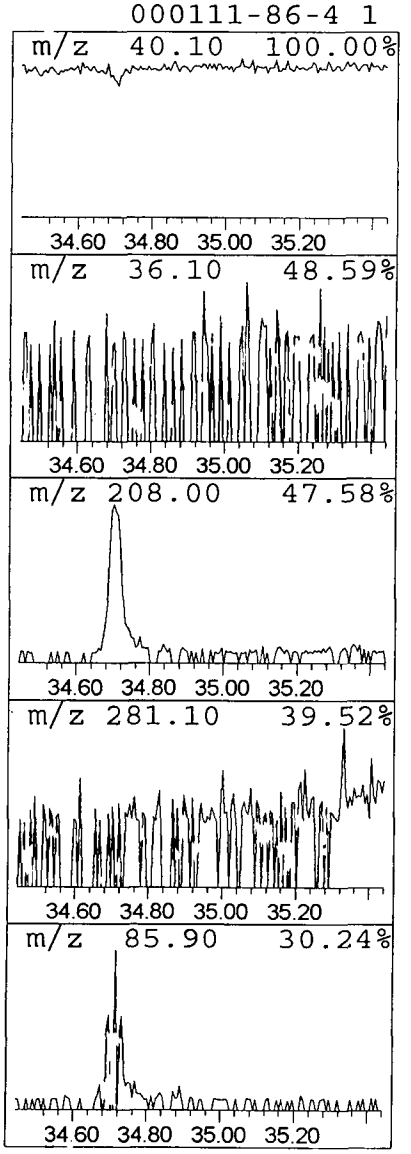
Peak Number 5 Carbamic acid, methylnitros... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
34.94	0.24 ug/L	165567	Perylene-d12	34.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Carbamic acid, methylnitroso-, e...	132	C4H8N2O3	000615-53-2	3
2	Adenosine, 2-methyl-	281	C11H15N5O4	016526-56-0	1
3	1,10-Diaminodecane	172	C10H24N2	000646-25-3	1
4	1-Octanamine	129	C8H19N	000111-86-4	1





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\050602\9974.D Vial: 22
Acq On : 7 May 2002 4:48 am Operator: Mclean
Sample : 4/25 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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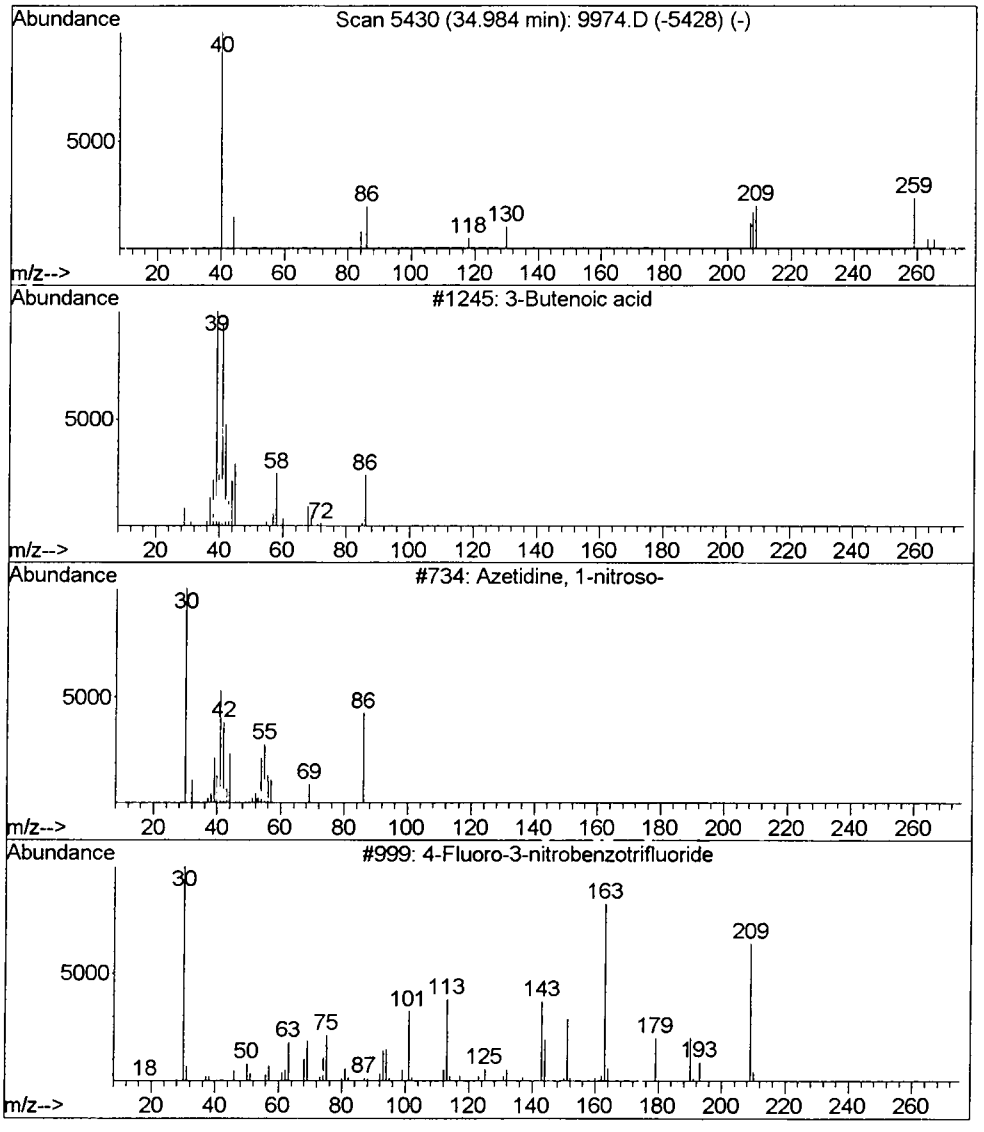
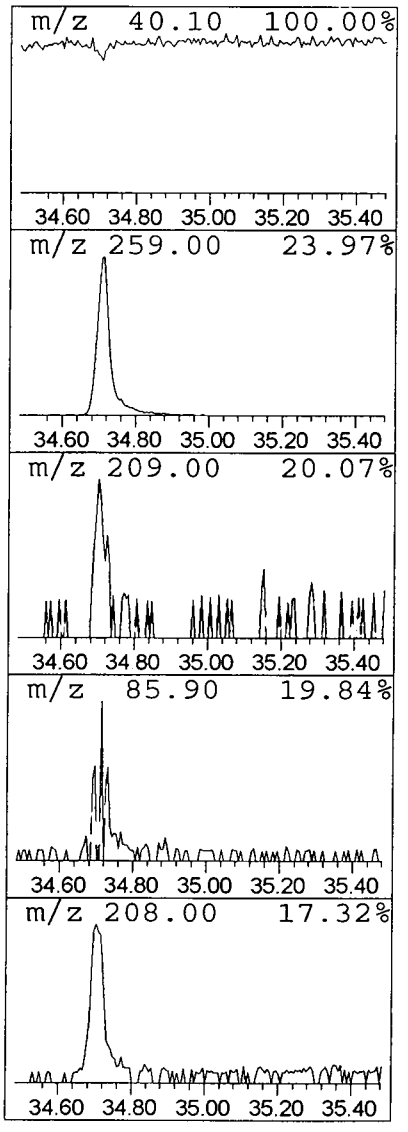
Peak Number 6 3-Butenoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
34.98	0.34 ug/L	234434	Perylene-d12	34.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Butenoic acid	86	C4H6O2	000625-38-7	4
2	Azetidine, 1-nitroso-	86	C3H6N2O	015216-10-1	4
3	4-Fluoro-3-nitrobenzotrifluoride	209	C7H3F4NO2	000367-86-2	3
4	Crotonic acid	86	C4H6O2	003724-65-0	2





Tentatively Identified Compound (LSC) summary

Operator ID: Mclean Date Acquired: 7 May 2002 4:48 am
Data File: C:\MSDCHEM\1\DATA\050602\9974.D
Name: 4/25
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-Pentanone, 4-hy...	5.97	9.3	ug/L	7390420	1	9.94	31695200	40.0
Anthracene, 9-met...	22.58	0.4	ug/L	410728	4	22.96	46218400	40.0
Anthracene-d10-	23.11	0.6	ug/L	748230	4	22.96	46218400	40.0
Phthalic acid, di...	31.38	0.2	ug/L	222974	5	30.81	39448300	40.0
Carbamic acid, me...	34.94	0.2	ug/L	165567	6	34.71	27879600	40.0
3-Butenoic acid	34.98	0.3	ug/L	234434	6	34.71	27879600	40.0