User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 05/10/2002 Time: 08:50:20

Sample: AE10603
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 5/10/02 08:49 Ended: 5/10/02 08:49 Analyst: DLV
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr_2,4-DDD		95		10.0

Comments for Sample AE10603 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 05-10-2002 Time: 08:53:47

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds. The recoveries for 4 of the 43 compounds in the LCS Standard were low.

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\050702\10603.D Vial: 8
Acq On : 7 May 2002 6:50 pm Operator: Mclean
Sample : 5/3 kb Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: May 08 09:54:22 2002 Quant Results File: 050102.RES

Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Last Update : Wed May 08 09:53:56 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	6393327	40.00	ug/L	0.00
10) Napthalene-d8	13.44	136	25351284	40.00	ug/L	0.00
17) Acenapthalene-d10	18.57	164	13786683	40.00	ug/L	0.00
29) Phenanthranene-d10	22.96	188	20086543	40.00	ug/L	0.00
37) Chrysene-d12	30.82	240	15914005	40.00	ug/L	0.00
43) Perylene-d12	34.72	264	10710004	40.00	ug/L	0.00
System Monitoring Compounds						
27) TCMX	20.54	209	754017	9.47	ug/L	0.00
Spiked Amount 10.000			Recovery = 94.70%			
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.	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

Quantitation Report (QT Reviewed)

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Acq On : 7 May 2002 6:50 pm Operator: Mclean
Sample : 5/3 kb Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: May 08 09:54:22 2002 Quant Results File: 050102.RES

Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Last Update : Wed May 08 09:53:56 2002
Response via : Initial Calibration
DataAcq Meth : 508SCAN

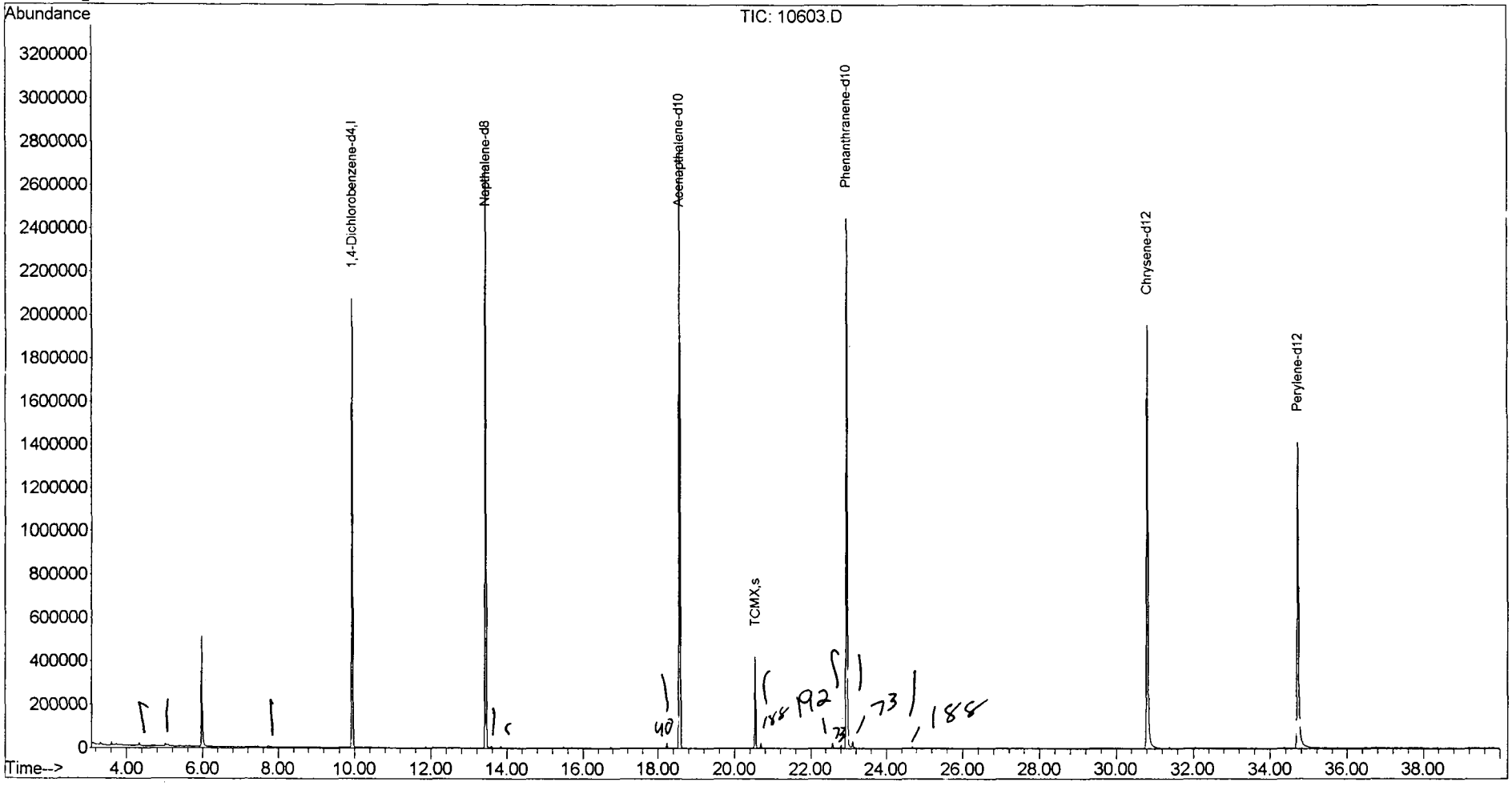
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
34)	Anthracene	0.00	178	0	N.D.	
35)	Di-n-butylphthalate	25.09	149	16946	N.D.	
36)	Fluoroanthene	0.00	202	0	N.D.	
38)	Pyrene	0.00	202	0	N.D.	
39)	Butylbenzylphthalate	0.00	149	0	N.D.	
40)	Benzo(a)anthracene	30.81	228	40997	N.D.	
41)	Bis(2-ethylhexyl)phthalate	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.	
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)

Data File : C:\MSDCHEM\1\DATA\050702\10603.D Vial: 8
Acq On : 7 May 2002 6:50 pm Operator: Mclean
Sample : 5/3 kb Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: May 9 9:01 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 09:57:23 2002
Response via : Initial Calibration



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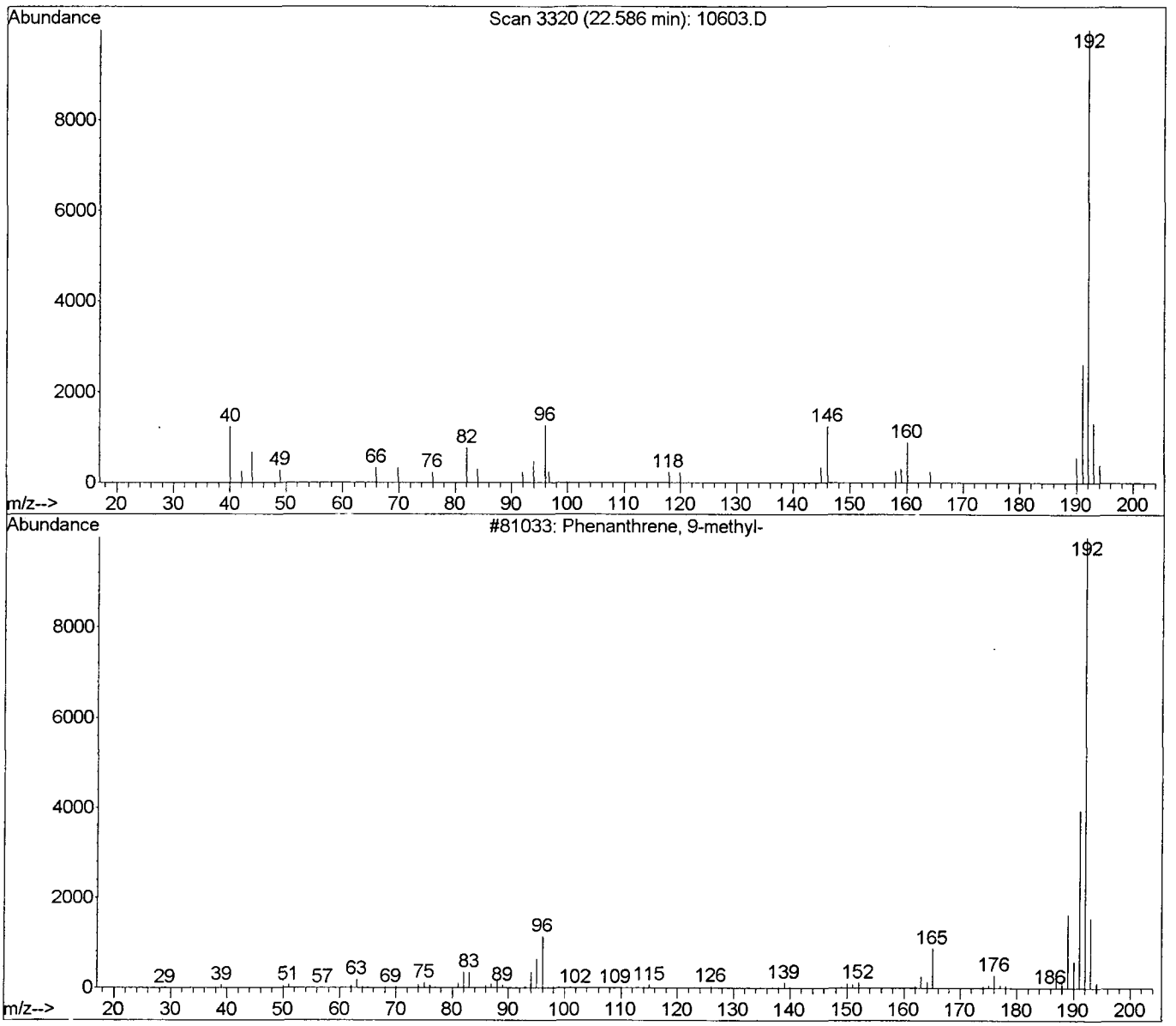
Quality : 72
ID : Phenanthrene, 9-methyl-



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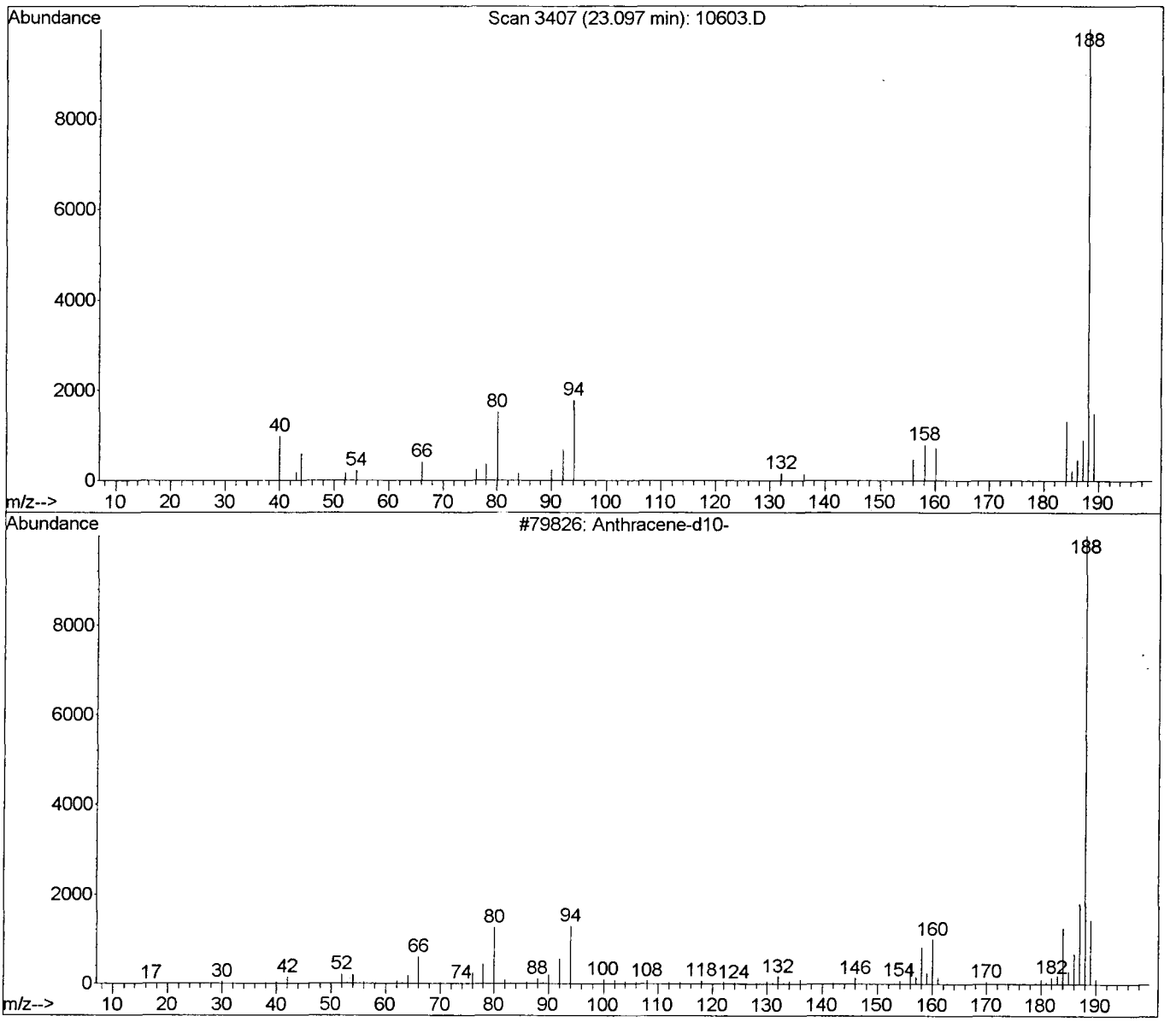
Quality : 87
ID : Anthracene-d10-



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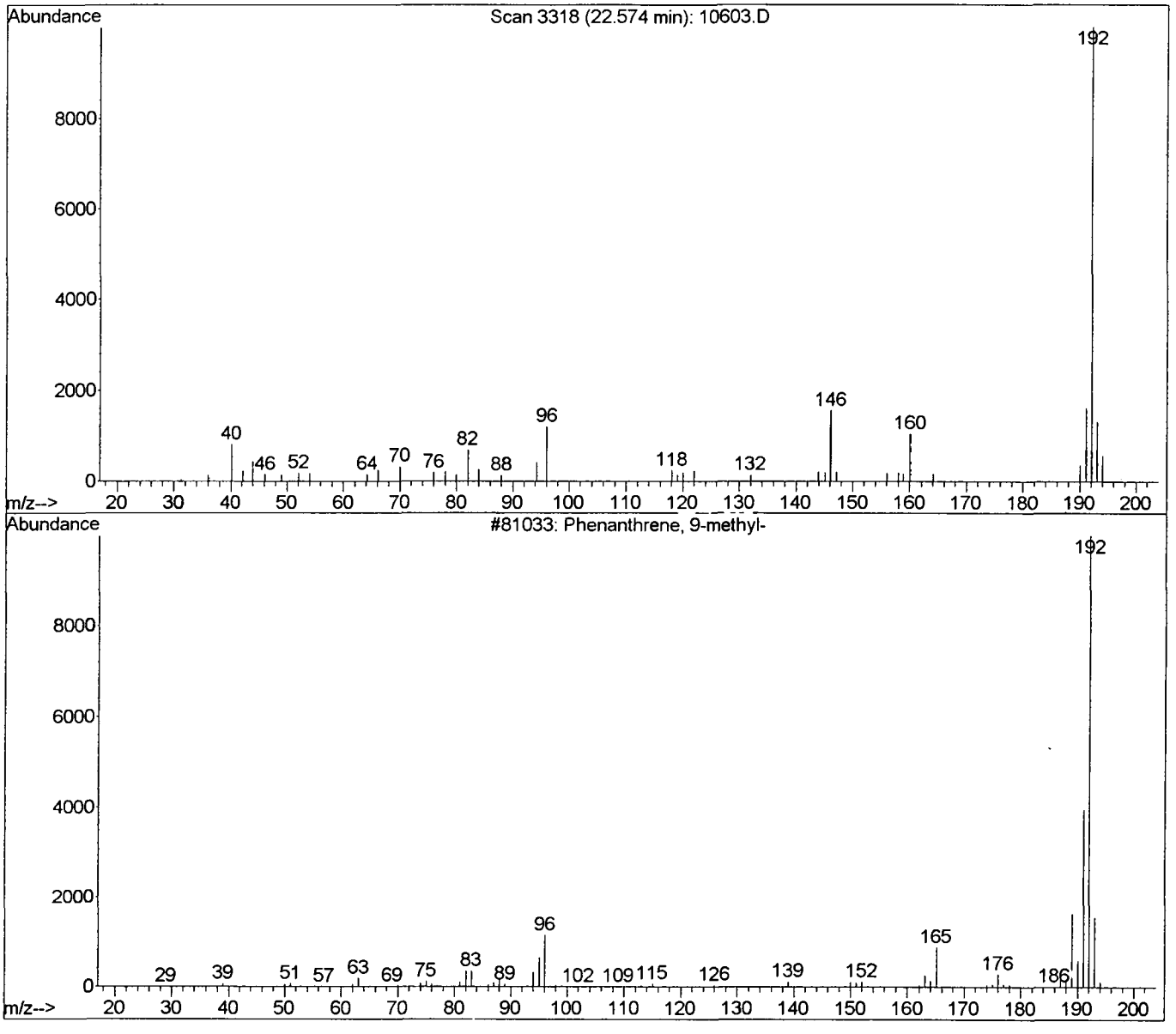


LSC Area Percent Report

Data File : C:\MSDCHEM\1\DATA\050702\10603.D Vial: 8
Acq On : 7 May 2002 6:50 pm Operator: Mclean
Sample : 5/3 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

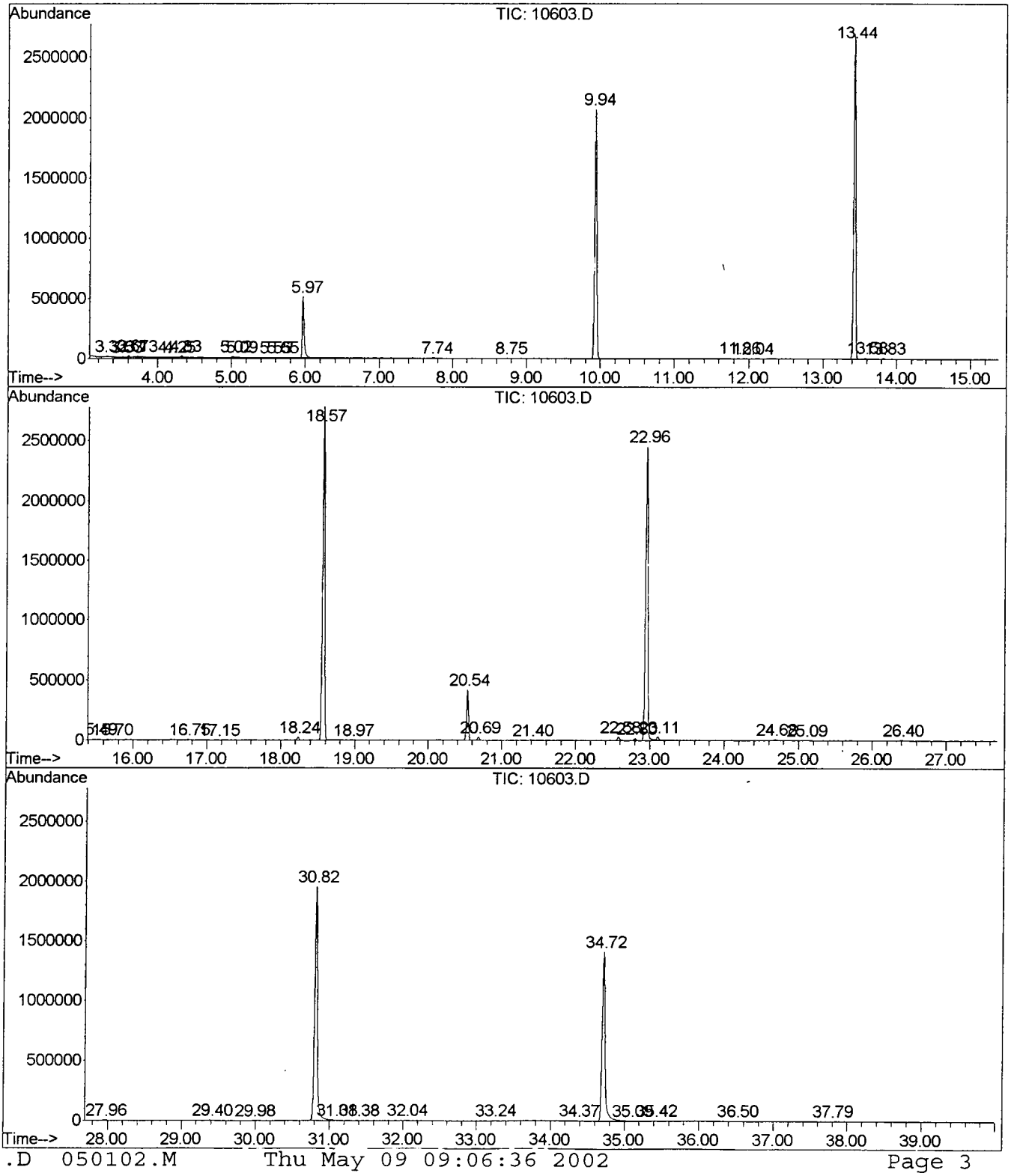
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.320	35	41	46	PV	8408	146113	0.26%	0.046%
2	3.532	72	77	80	PV 4	2206	29107	0.05%	0.009%
3	3.608	86	90	95	PV	13687	192447	0.34%	0.061%
4	3.737	100	112	121	VV 2	6558	179761	0.32%	0.057%
5	4.166	177	185	190	PV 10	1901	49489	0.09%	0.016%
6	4.254	196	200	207	VV 7	2922	50899	0.09%	0.016%
7	4.331	207	213	227	VV	13283	270055	0.48%	0.086%
8	5.012	324	329	338	PV 3	11222	266809	0.47%	0.085%
9	5.094	338	343	351	VV 7	6657	170998	0.30%	0.054%
10	5.553	416	421	422	PV 3	1977	17283	0.03%	0.005%
11	5.647	432	437	447	VV 5	2600	65250	0.12%	0.021%
12	5.970	484	492	515	VV	496651	9051464	15.99%	2.880%
13	7.744	788	794	804	PV 6	5708	162679	0.29%	0.052%
14	8.749	961	965	970	VV 7	1681	24724	0.04%	0.008%
15	9.936	1158	1167	1183	VV	2034332	38808859	68.58%	12.348%
16	11.863	1491	1495	1511	VV 5	5482	91713	0.16%	0.029%
17	12.039	1519	1525	1536	VV 5	2102	45282	0.08%	0.014%
18	13.438	1750	1763	1782	VV	2675984	52005080	91.90%	16.546%
19	13.585	1782	1788	1794	VV	9565	164933	0.29%	0.052%
20	13.831	1819	1830	1845	VV 7	9081	165162	0.29%	0.053%
21	15.488	2099	2112	2118	PV 2	6364	109301	0.19%	0.035%
22	15.700	2142	2148	2153	VV 2	2905	58634	0.10%	0.019%
23	16.746	2315	2326	2336	VV 3	5242	99972	0.18%	0.032%
24	17.151	2384	2395	2401	PV 7	1599	35714	0.06%	0.011%
25	18.238	2568	2580	2590	PV	23748	368139	0.65%	0.117%
26	18.573	2622	2637	2652	VV	2734115	56591607	100.00%	18.005%
27	18.967	2694	2704	2716	VV 5	2133	50342	0.09%	0.016%
28	20.541	2962	2972	2980	VV	415961	7418940	13.11%	2.360%
29	20.688	2990	2997	3003	VV	25314	404994	0.72%	0.129%
30	21.399	3113	3118	3124	PV 3	2329	31290	0.06%	0.010%
31	22.580	3309	3319	3331	VV 2	26342	462520	0.82%	0.147%
32	22.803	3347	3357	3363	VV	14895	258286	0.46%	0.082%
33	22.962	3368	3384	3402	PV 2	2447906	55016900	97.22%	17.504%
34	23.109	3402	3409	3430	VV 2	29163	730924	1.29%	0.233%
35	24.684	3670	3677	3687	VV 2	7564	151506	0.27%	0.048%
36	25.095	3741	3747	3753	PV 2	1530	27420	0.05%	0.009%
37	26.399	3961	3969	3978	PV 2	5362	101246	0.18%	0.032%

38	27.962	4224	4235	4244	VV	6	3299	82056	0.14%	0.026%
39	29.402	4466	4480	4489	PV	4	4044	83127	0.15%	0.026%
40	29.983	4571	4579	4585	VV	4	1876	46731	0.08%	0.015%
41	30.818	4703	4721	4765	PV	2	1951526	49937179	88.24%	15.888%
42	31.082	4765	4766	4779	VV	6	3894	142415	0.25%	0.045%
43	31.382	4810	4817	4826	VV	5	5326	136115	0.24%	0.043%
44	32.046	4924	4930	4935	PV	3	3317	64385	0.11%	0.020%
45	33.244	5127	5134	5142	VV	3	4590	93392	0.17%	0.030%
46	34.372	5318	5326	5332	VV	5	3520	77567	0.14%	0.025%
47	34.719	5360	5385	5447	PV	2	1398456	39518374	69.83%	12.573%
48	35.089	5447	5448	5451	VV	3	2358	30372	0.05%	0.010%
49	35.418	5498	5504	5510	PV	5	2976	67470	0.12%	0.021%
50	36.505	5676	5689	5696	VV	6	2237	77099	0.14%	0.025%
51	37.786	5897	5907	5927	PV	8	2034	71392	0.13%	0.023%

Sum of corrected areas: 314303515

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\DATA\050702\10603.D
Operator : Mclean
Acquired : 7 May 2002 6:50 pm using AcqMethod 508SCAN
Instrument : Instrumen
Sample Name: 5/3 kb
Misc Info :
Vial Number: 8
Quant File :050102.RES (Chemstation Integrator)



Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\050702\10603.D Vial: 8
Acq On : 7 May 2002 6:50 pm Operator: Mclean
Sample : 5/3 kb Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

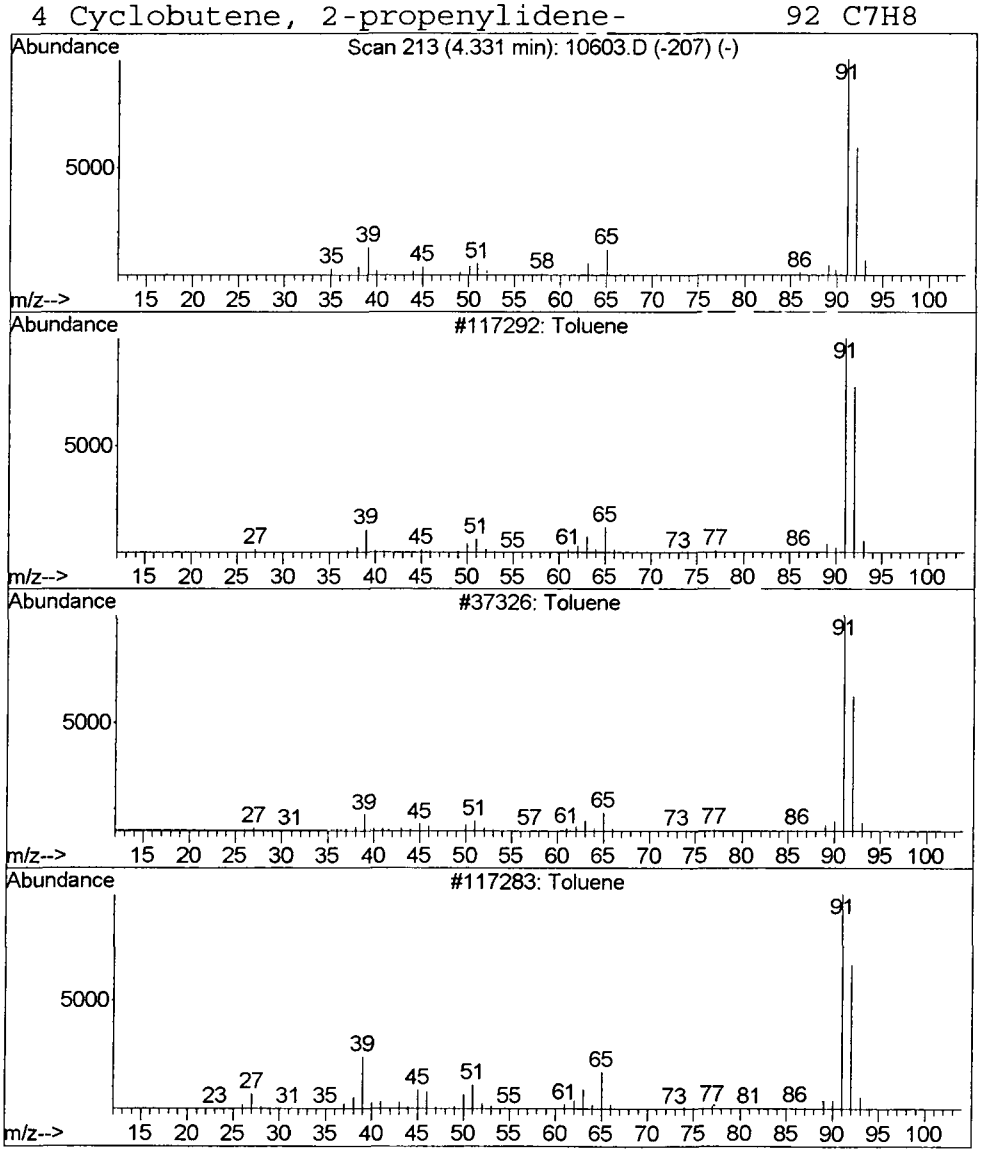
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

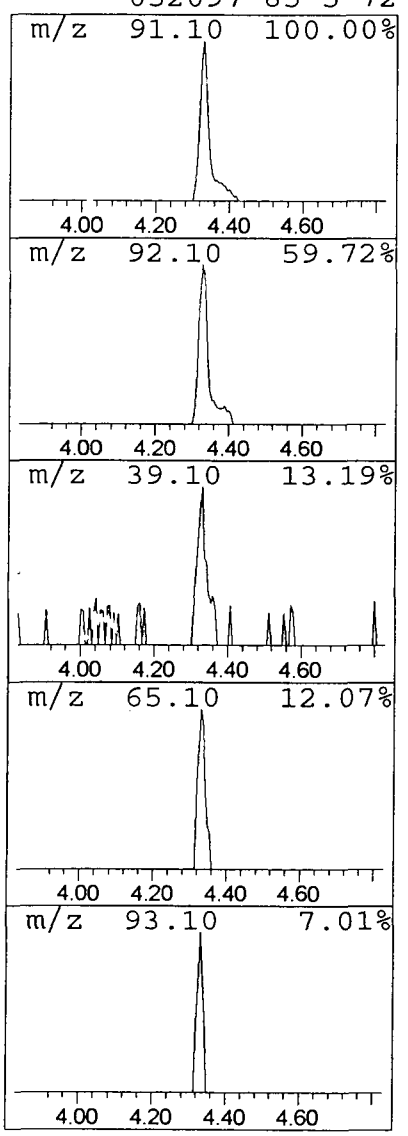
****

Peak Number 1 Toluene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.33	0.28 ug/L	270055	1,4-Dichlorobenzene-d4	9.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Toluene	92	C7H8	000108-88-3	86
2	Toluene	92	C7H8	000108-88-3	86
3	Toluene	92	C7H8	000108-88-3	86
4	Cyclobutene, 2-propenylidene-	92	C7H8	052097-85-5	72





Library Search Compound Report

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Acq On : 7 May 2002 6:50 pm Operator: Mclean
Sample : 5/3 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

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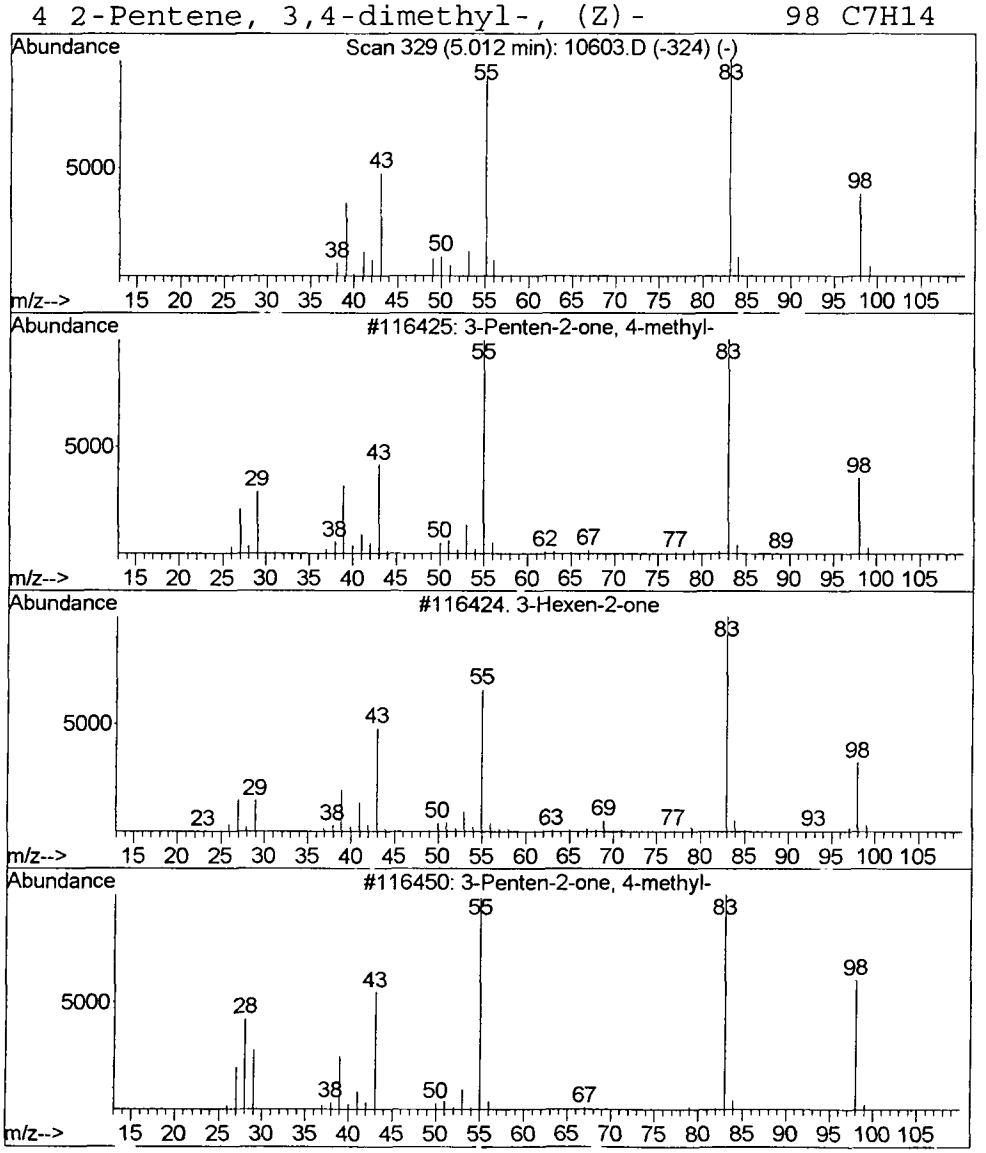
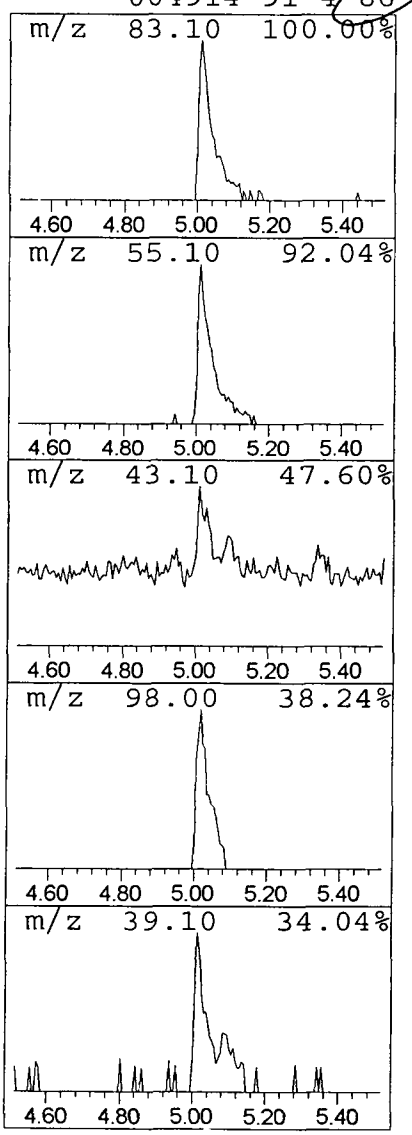
Peak Number 2 3-Penten-2-one, 4-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.02	0.27 ug/L	266809	1,4-Dichlorobenzene-d4	9.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Penten-2-one, 4-methyl-	98	C6H10O	000141-79-7	91
2	3-Hexen-2-one	98	C6H10O	000763-93-9	86
3	3-Penten-2-one, 4-methyl-	98	C6H10O	000141-79-7	86
4	2-Pentene, 3,4-dimethyl-, (Z)-	98	C7H14	004914-91-4	86





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\050702\10603.D Vial: 8
Acq On : 7 May 2002 6:50 pm Operator: Mclean
Sample : 5/3 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

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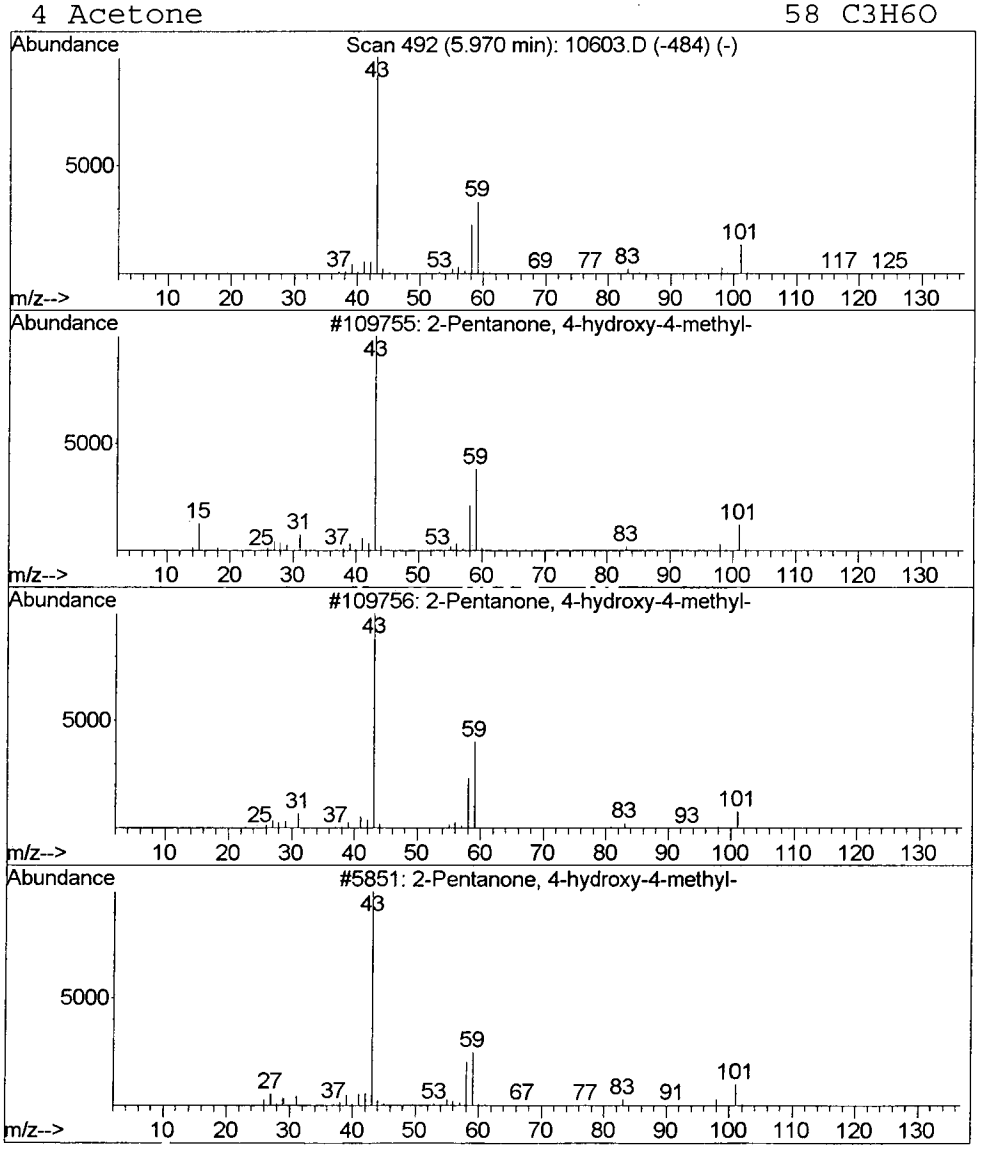
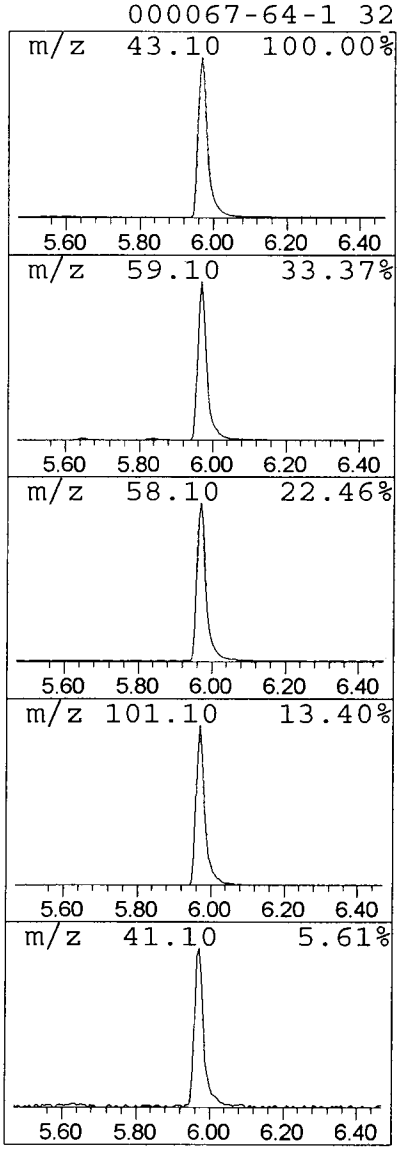
Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.97	9.33 ug/L	9051460	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	90
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	Acetone	58	C3H6O	000067-64-1	32





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\050702\10603.D
Acq On : 7 May 2002 6:50 pm
Sample : 5/3 kb
Misc :
MS Integration Params: LSCINT.e

Vial: 8
Operator: Mclean
Inst : Instrumen
Multiplr: 1.00

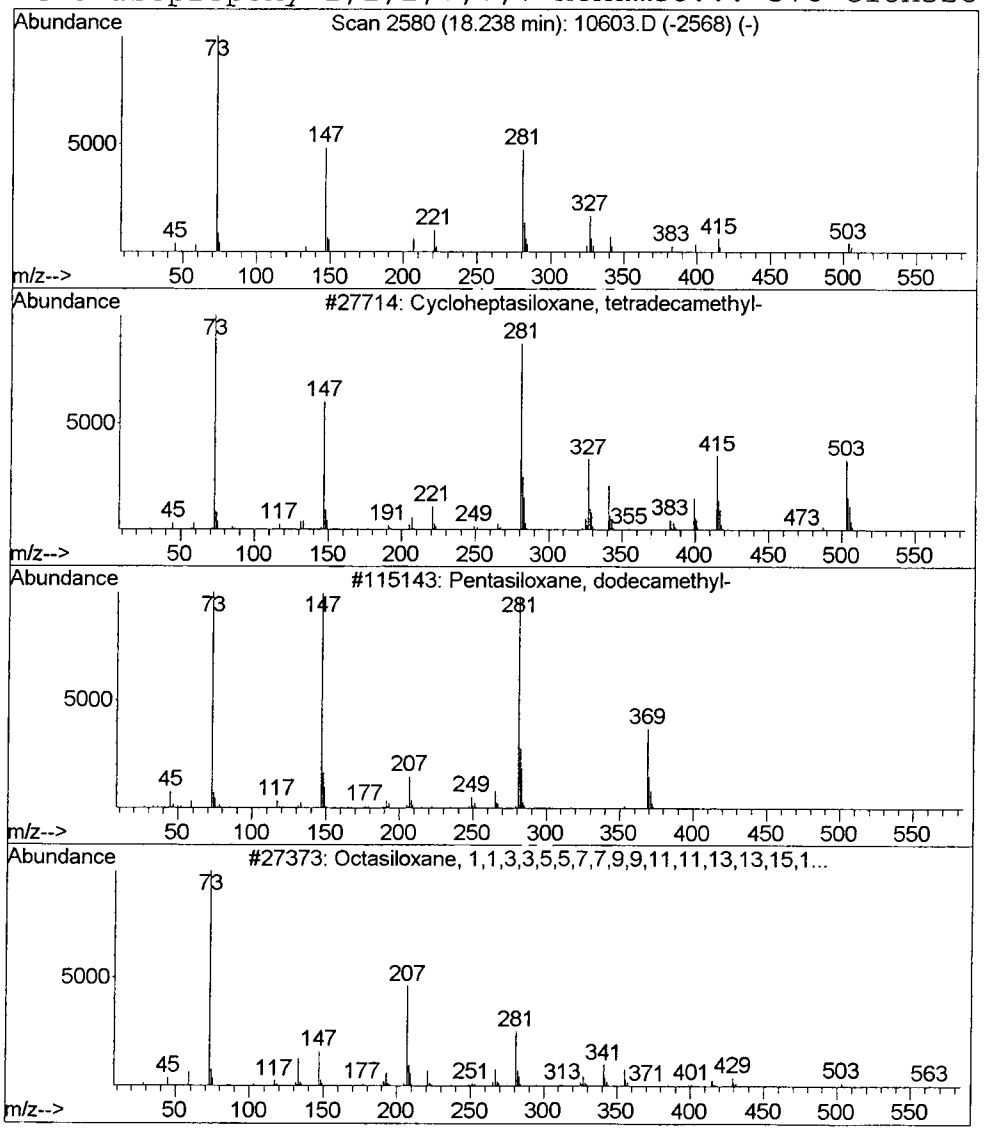
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

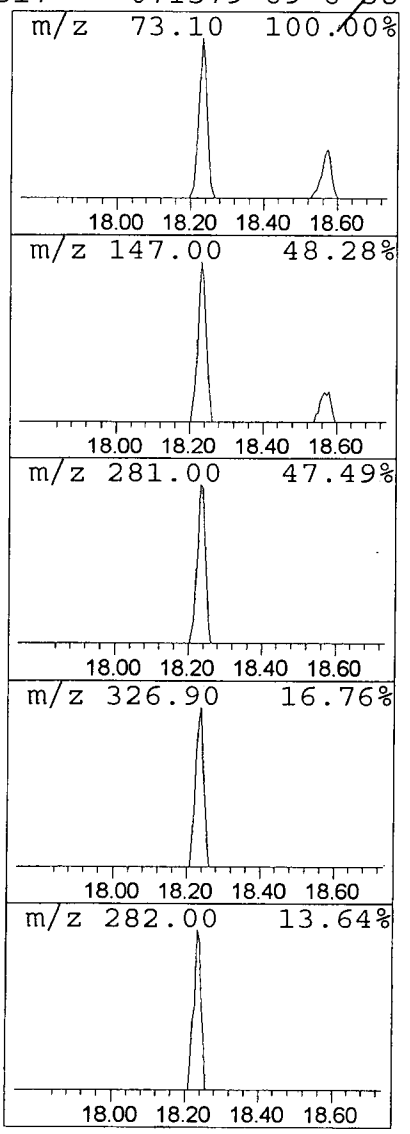
****

Peak Number 4 Cycloheptasiloxane, tetrade... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.24	0.26 ug/L	368139	Acenapthalene-d10	18.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cycloheptasiloxane, tetradecamet...	518	C14H42O7Si7	000107-50-6	78
2	Pentasiloxane, dodecamethyl-	384	C12H36O4Si5	000141-63-9	45
3	Octasiloxane, 1,1,3,3,5,5,7,7,9,...	578	C16H50O7Si8	019095-24-0	40
4	3-Isopropoxy-1,1,1,7,7,7-hexamet...	576	C18H52O7Si7	071579-69-6	38





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\050702\10603.D Vial: 8
Acq On : 7 May 2002 6:50 pm Operator: Mclean
Sample : 5/3 kb Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

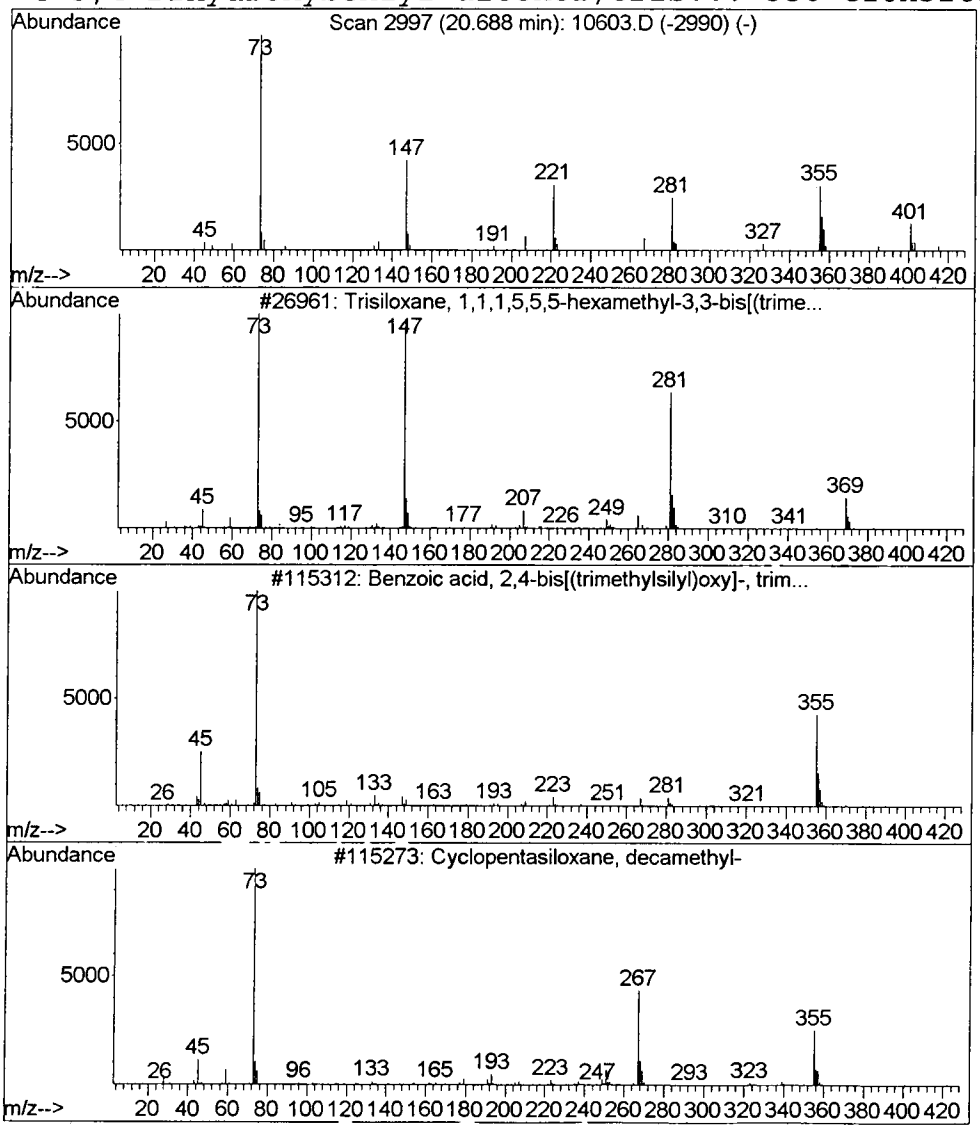
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

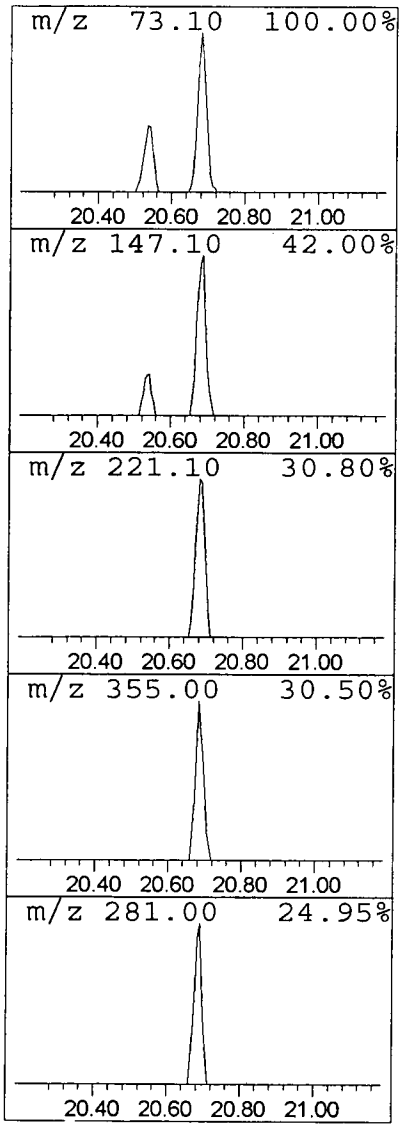
****

Peak Number 5 Trisiloxane, 1,1,1,5,5,5-he... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.69	0.29 ug/L	404994	Acenapthalene-d10	18.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Trisiloxane, 1,1,1,5,5,5-hexamet...	384	C12H36O4Si5	003555-47-3	32
2	Benzoic acid, 2,4-bis[(trimethyl...	370	C16H30O4Si3	010586-16-0	16
3	Cyclopentasiloxane, decamethyl-	370	C10H30O5Si5	000541-02-6	10
4	3,4-Dihydroxybenzyl alcohol,tris...	356	C16H32O3Si3	068595-79-9	10





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\050702\10603.D Vial: 8
Acq On : 7 May 2002 6:50 pm Operator: Mclean
Sample : 5/3 kb Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

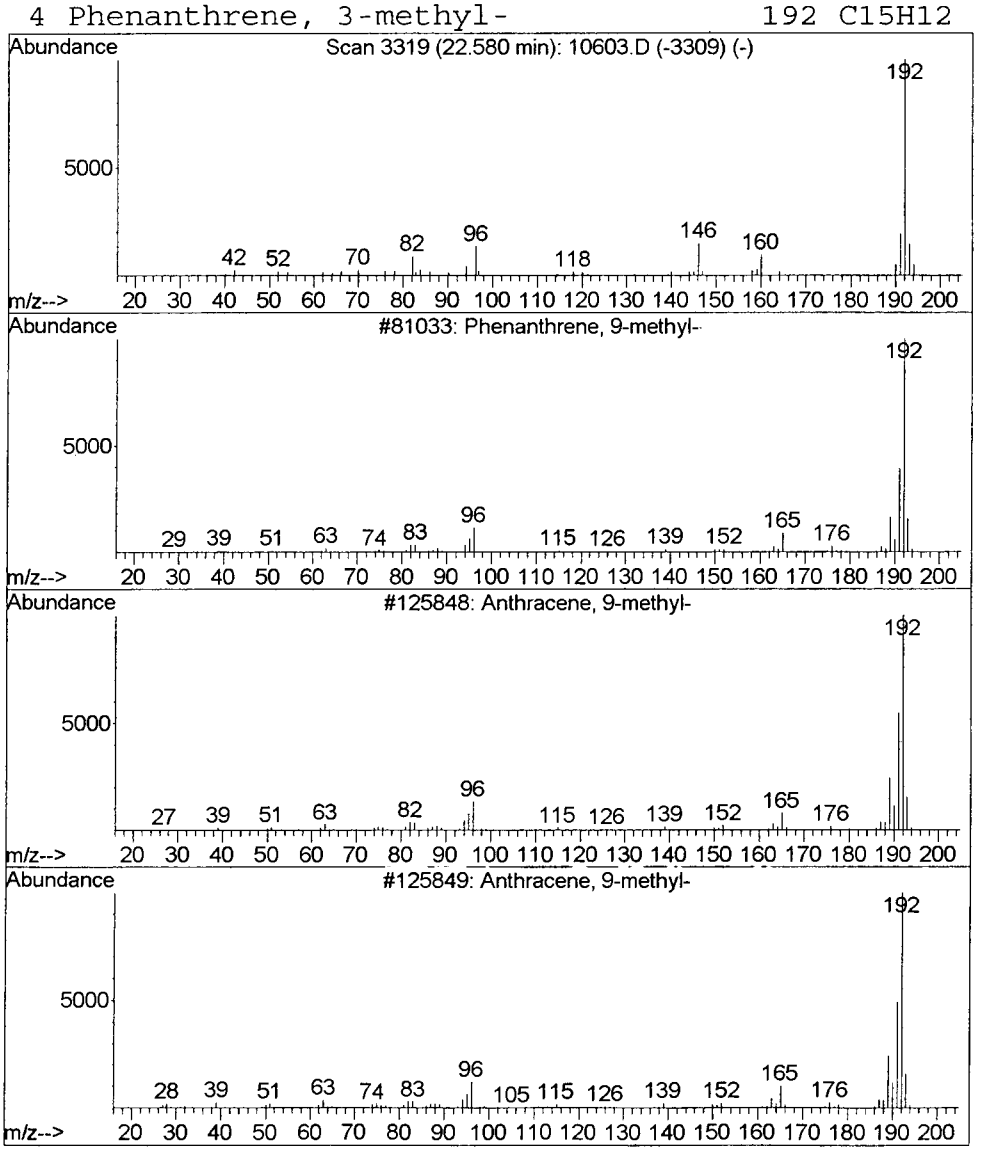
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

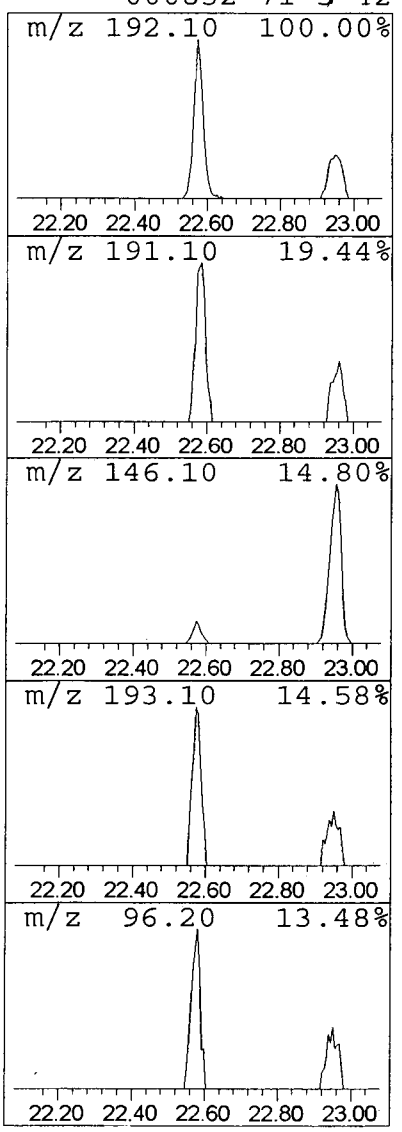
****

Peak Number 6 Phenanthrene, 9-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.58	0.34 ug/L	462520	Phenanthranene-d10	22.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	53
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	42
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	42
4	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	42





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\050702\10603.D Vial: 8
Acq On : 7 May 2002 6:50 pm Operator: Mclean
Sample : 5/3 kb Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

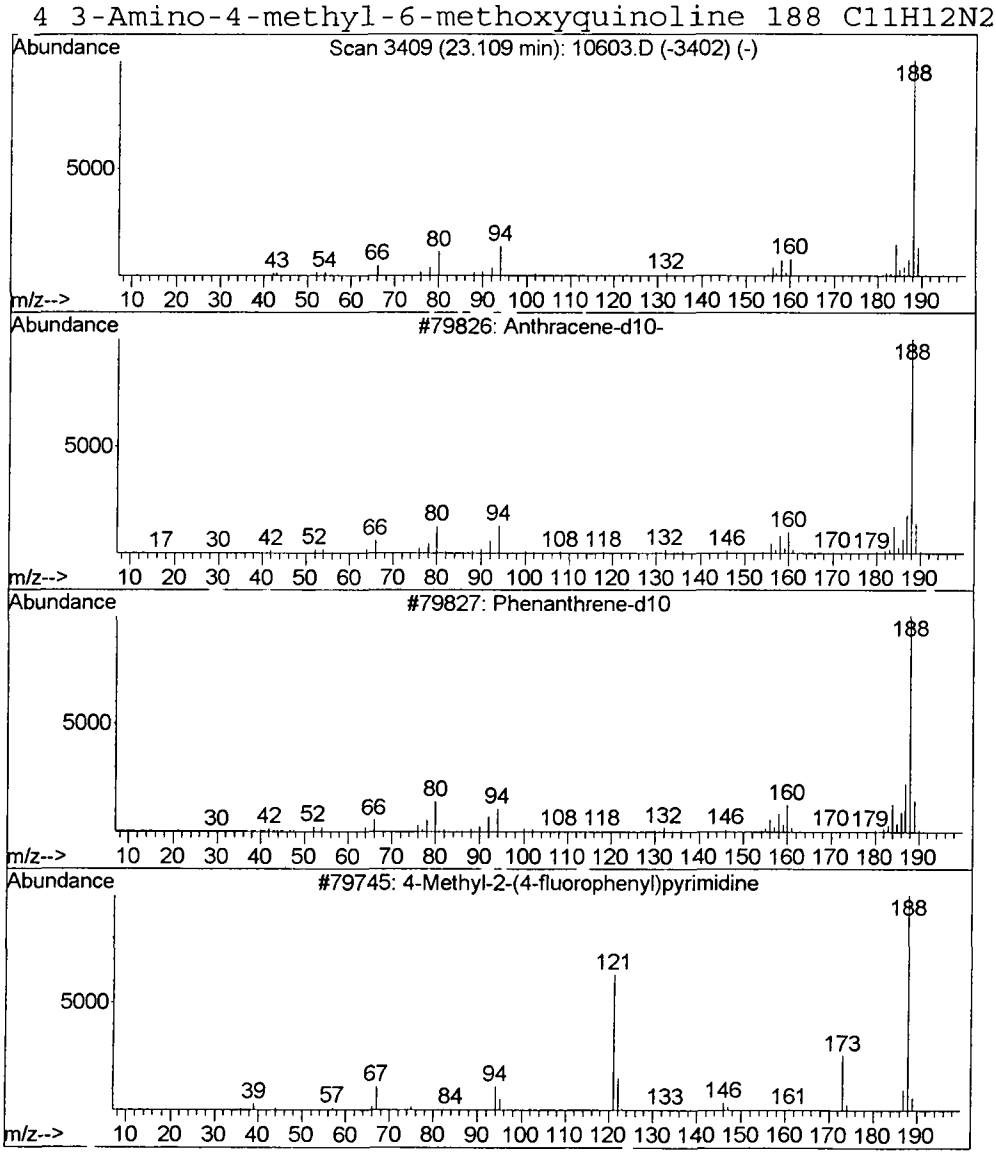
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

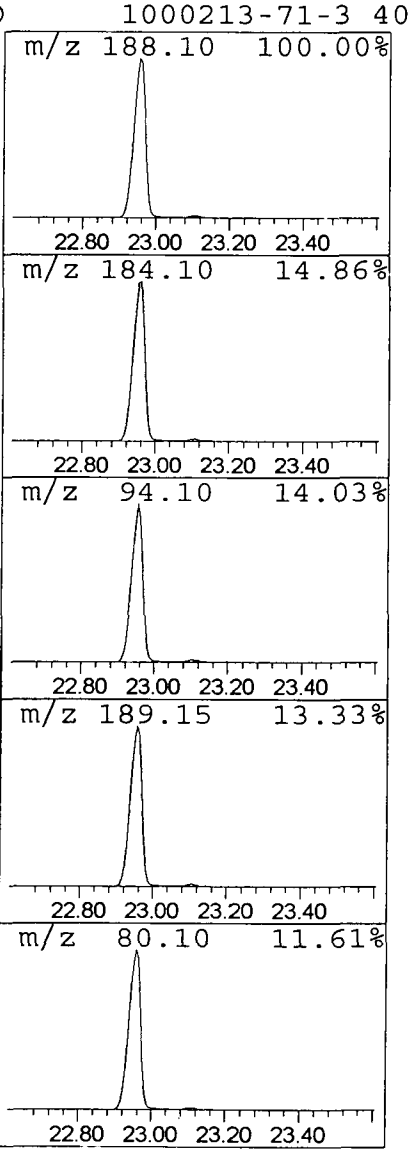
****

Peak Number 7 Anthracene-d10- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.11	0.53 ug/L	730924	Phenanthranene-d10	22.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene-d10-	188	C14D10	001719-06-8	94
2	Phenanthrene-d10	188	C14D10	001517-22-2	86
3	4-Methyl-2-(4-fluorophenyl)pyrim...	188	C11H9FN2	076128-67-1	40
4	3-Amino-4-methyl-6-methoxyquinoline	188	C11H12N2O	1000213-71-3	40





Tentatively Identified Compound (LSC) summary

Operator ID: Mclean Date Acquired: 7 May 2002 6:50 pm
Data File: C:\MSDCHEM\1\DATA\050702\10603.D
Name: 5/3 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 #	Internal Standard RT	Internal Standard Resp	Internal Standard Conc
Toluene	4.33	0.3	ug/L	270055	1	9.94	38808900	40.0
3-Penten-2-one, 4...	5.02	0.3	ug/L	266809	1	9.94	38808900	40.0
2-Pentanone, 4-hy...	5.97	9.3	ug/L	9051460	1	9.94	38808900	40.0
Cycloheptasiloxan...	18.24	0.3	ug/L	368139	3	18.57	56591600	40.0
Trisiloxane, 1,1,...	20.69	0.3	ug/L	404994	3	18.57	56591600	40.0
Phenanthrene, 9-m...	22.58	0.3	ug/L	462520	4	22.96	55016900	40.0
Anthracene-d10-	23.11	0.5	ug/L	730924	4	22.96	55016900	40.0