User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 03/25/2002 Time: 13:38:35

Sample: AE01640
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 3/25/02 13:37 Ended: 3/25/02 13:37 Analyst: DLV
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Other unknown compounds		.		
2					

Comments for Sample AE01640 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 03-25-2002 Time: 13:38:39

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds. The recoveries for the LCS Standard are high. New control limits will be calculated.

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\031902\1640.D Vial: 25
Acq On : 20 Mar 2002 10:32 am Operator: McLean
Sample : RE-INJ 3/1 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: BENZO.P
Quant Time: Mar 21 06:25:38 2002 Quant Results File: 5080302.RES

Quant Method : C:\MSDCHEM\1\5973N\5080302.M (RTE Integrator)
Title : Quantitation For Method 508gcscan
Last Update : Thu Mar 14 13:02:27 2002
Response via : Initial Calibration
DataAcq Meth : 508SCAN

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.54	150	1275780	20.00	ug/L	0.00
10) Naphthalene-d8	13.03	136	3494175	20.00	ug/L	0.00
17) Acenaphthene-d10	18.13	164	1982291	20.00	ug/L	0.00
29) Phenanthrene-d10	22.50	188	3055231	20.00	ug/L	0.00
38) Chrysene-d12	30.30	240	2707472	20.00	ug/L	-0.02
44) Perylene-d12	34.18	264	1381416	20.00	ug/L	0.00
System Monitoring Compounds						
37) 2,4-ddd surr	27.43	235	277238	7.61	ug/L	0.00
Spiked Amount 5.000			Recovery = 152.20%			
Target Compounds						Qvalue
2) N-nitroso-dimethyl amine	0.00	74	0	N.D. d		
3) bis(2-chloroethyl) ether	0.00	93	0	N.D.		
4) 1,3 - Dichlorobenze	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-Chloropr	0.00	45	0	N.D.		
8) N-Nitroso-di-n-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) Naphthalene	0.00	128	0	N.D.		
16) Hexachlorobutadiene	0.00	225	0	N.D.		
18) Hexachlorocyclopentadiene	0.00	237	0	N.D.		
19) 2-chloronaphthalene	0.00	162	0	N.D.		
20) Dimethylphthalate	0.00	163	0	N.D.		
21) 2,6-Dinitrotoluene	0.00	165	0	N.D. d		
22) Acenaphthylene	0.00	152	0	N.D.		
23) Acenaphthene	0.00	153	0	N.D.		
24) 2,4-Dinitrotoluene	0.00	165	0	N.D.		
25) Diethylphthalate	0.00	149	0	N.D.		
26) 4-Chlorophenyl-phenyl ethe	0.00	204	0	N.D.		
27) Fluorene	0.00	166	0	N.D.		
28) Azobenzen/ 1,2-Diphenylhyd	0.00	77	0	N.D.		
30) N-Nitrosodiphenylamine	0.00	169	0	N.D.		
31) 4-Bromophenyl-phenyl ether	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	24.64	149	5522	0.03	ug/L	79
36) Fluoranthene	0.00	202	0	N.D.		
39) Pyrene	0.00	202	0	N.D.		
40) Butylbenzylphthalate	0.00	149	0	N.D.		
41) Benzo (a) antracene	0.00	228	0	N.D. d		
42) Bis (2-ethylhexyl) phthala	30.91	149	12075	0.11	ug/L	88
43) Chrysene	0.00	228	0	N.D. d		
45) Di-n-Octylphthalate	0.00	149	0	N.D.		
46) Benzo (b) fluoranthene	0.00	252	0	N.D.		

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\031902\1640.D Vial: 25
Acq On : 20 Mar 2002 10:32 am Operator: McLean
Sample : RE-INJ 3/1 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: BENZO.P
Quant Time: Mar 21 06:25:38 2002 Quant Results File: 5080302.RES

Quant Method : C:\MSDCHEM\1\5973N\5080302.M (RTE Integrator)
Title : Quantitation For Method 508gcscan
Last Update : Thu Mar 14 13:02:27 2002
Response via : Initial Calibration
DataAcq Meth : 508SCAN

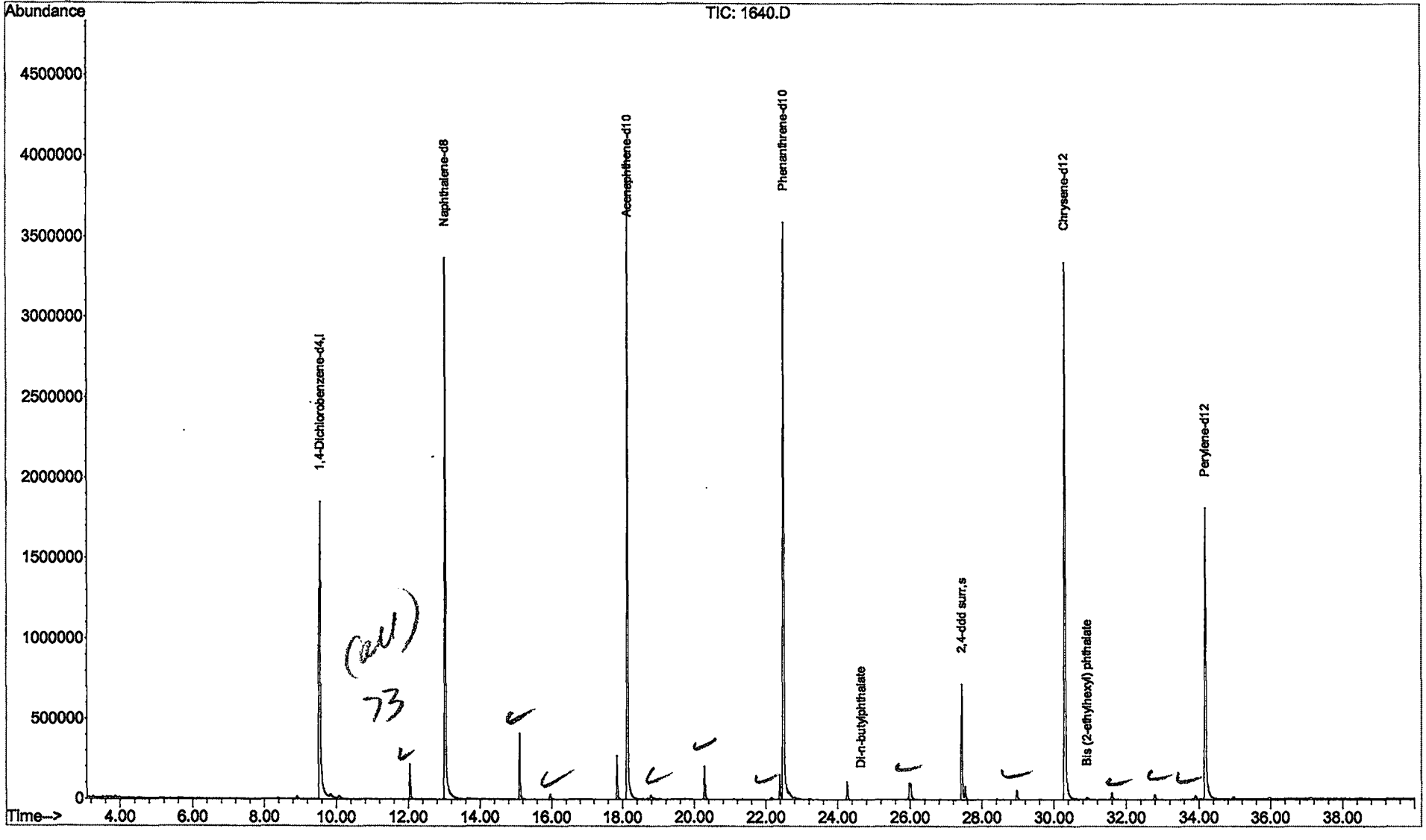
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
47) Benzo (k) fluoranthene	0.00	252	0	N.D.	
48) Benzo (a) pyrene	0.00	252	0	N.D. d	
49) Indeno (1,2,3-cd) pyrene	0.00	276	0	N.D.	
50) Dibenz (a,h) anthracene	0.00	278	0	N.D.	
51) Benzo (g,h,i) perylene	0.00	276	0	N.D.	

(#) = qualifier out of range (m) = manual integration
1640.D 5080302.M Thu Mar 21 06:26:19 2002 Page 2

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\031902\1640.D Vial: 25
Acq On : 20 Mar 2002 10:32 am Operator: McLean
Sample : RE-INJ 3/1 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: BENZO.P
Quant Time: Mar 21 6:26 2002 Quant Results File: 5080302.RES

Method : C:\MSDCHEM\1\5973N\5080302.M (RTE Integrator)
Title : Quantitation For Method 508gcscan
Last Update : Thu Mar 14 13:02:27 2002
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\MSDCHEM\1\DATA\031902\1640.D Vial: 25
Acq On : 20 Mar 2002 10:32 am Operator: McLean
Sample : RE-INJ 3/1 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\MSDCHEM\1\5973N\5080302.M (RTE Integrator)
Title : Quantitation For Method 508gcscan
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

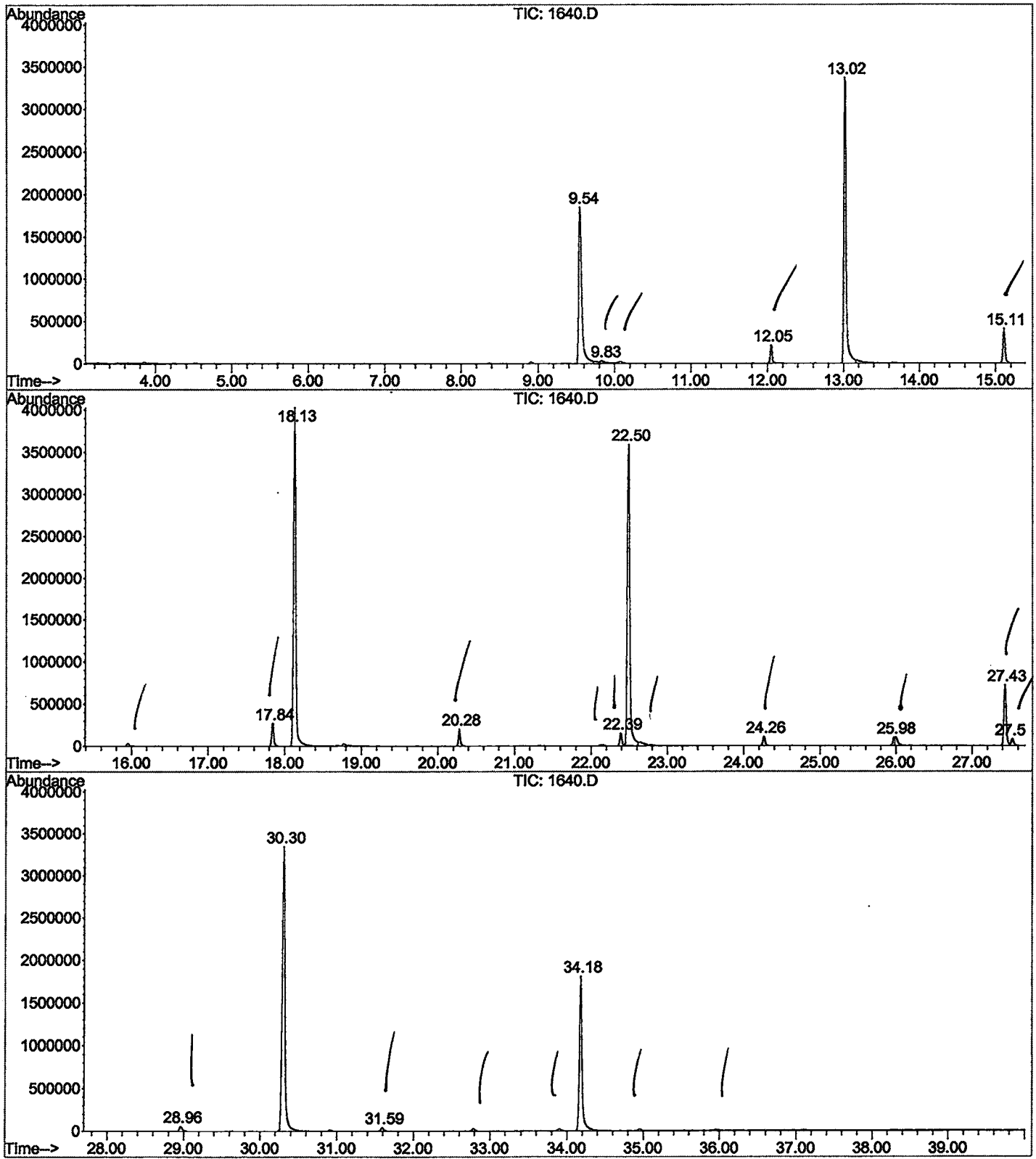
Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	9.543	708	713	733	rBV	1847944	5288854	63.43%	11.343%
2	9.833	741	745	758	rVB5	25035	99346	1.19%	0.213%
3	12.046	985	989	998	rBV	214446	383709	4.60%	0.823%
4	13.017	1091	1096	1112	rBV	3370350	7428996	89.10%	15.934%
5	15.112	1322	1327	1335	rBV	409929	723724	8.68%	1.552%
6	17.842	1624	1628	1638	rBV	271582	535649	6.42%	1.149%
7	18.132	1654	1660	1683	rBV	4028375	8255827	99.02%	17.707%
8	20.282	1892	1897	1906	rBV	205110	394940	4.74%	0.847%
9	22.386	2124	2129	2135	rBV	153500	288760	3.46%	0.619%
10	22.495	2135	2141	2154	rBV2	3589383	8337715	100.00%	17.883%
11	24.264	2331	2336	2344	rBB	109316	207019	2.48%	0.444%
12	25.978	2517	2525	2526	rBV	98480	182189	2.19%	0.391%
13	27.429	2680	2685	2692	rBV	719970	1480796	17.76%	3.176%
14	27.529	2692	2696	2706	rVB	81498	189688	2.28%	0.407%
15	28.962	2849	2854	2866	rBB2	57102	138436	1.66%	0.297%
16	30.305	2995	3002	3020	rBV2	3346081	8017407	96.16%	17.196%
17	31.593	3139	3144	3155	rBV	44234	108092	1.30%	0.232%
18	34.178	3422	3429	3450	rBV2	1814659	4563504	54.73%	9.788%

Sum of corrected areas: 46624651

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\DATA\031902\1640.D
Operator : McLean
Acquired : 20 Mar 2002 10:32 am using AcqMethod 508SCAN
Instrument : Instrumen
Sample Name: RE-INJ 3/1
Misc Info :
Vial Number: 25
Quant File :5080302.RES (RTE Integrator)



Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\031902\1640.D Vial: 25
Acq On : 20 Mar 2002 10:32 am Operator: McLean
Sample : RE-INJ 3/1 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

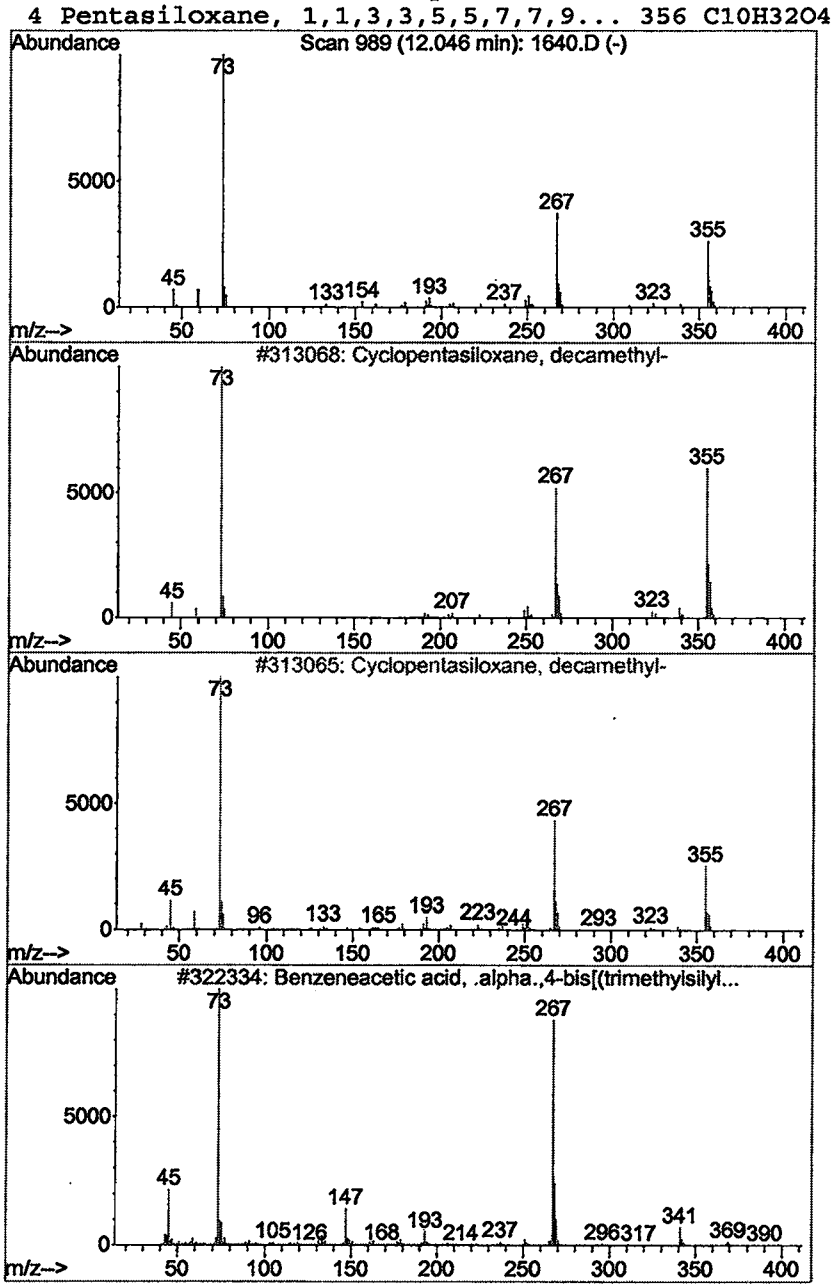
Quant Method : C:\MSDCHEM\1\5973N\5080302.M (RTE Integrator)
Title : Quantitation For Method 508gcscan
Library : C:\DATABASE\WILEY7N.L

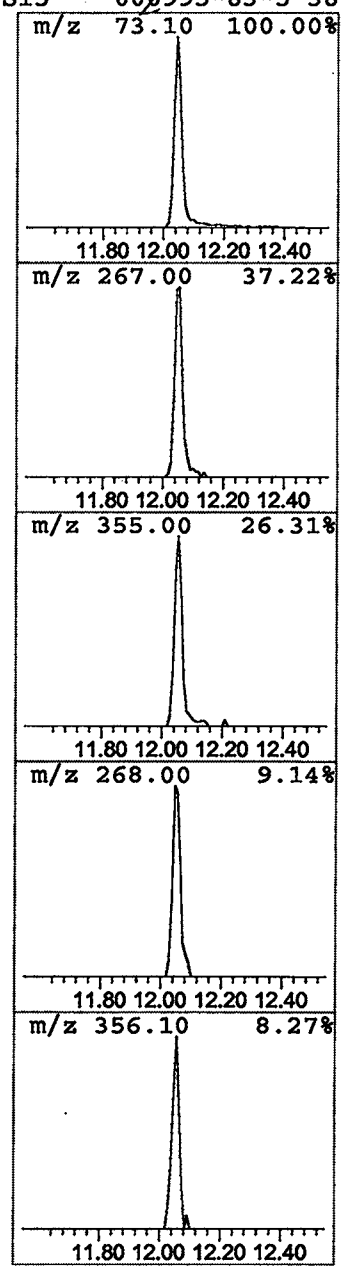
****

Peak Number 1 Cyclopentasiloxane, decamet... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.05	1.03 ug/L	383709	Naphthalene-d8	13.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentasiloxane, decamethyl-	370	C10H30O5Si5	000541-02-6	59
2	Cyclopentasiloxane, decamethyl-	370	C10H30O5Si5	000541-02-6	58
3	Benzeneacetic acid, .alpha.,4-bi...	384	C17H32O4Si3	037148-64-4	43
4	Pentasiloxane, 1,1,3,3,5,5,7,7,9...	356	C10H32O4Si5	000995-83-5	38





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\031902\1640.D Vial: 25
Acq On : 20 Mar 2002 10:32 am Operator: McLean
Sample : RE-INJ 3/1 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1\5973N\5080302.M (RTE Integrator)
Title : Quantitation For Method 508gcscan
Library : C:\DATABASE\WILEY7N.L

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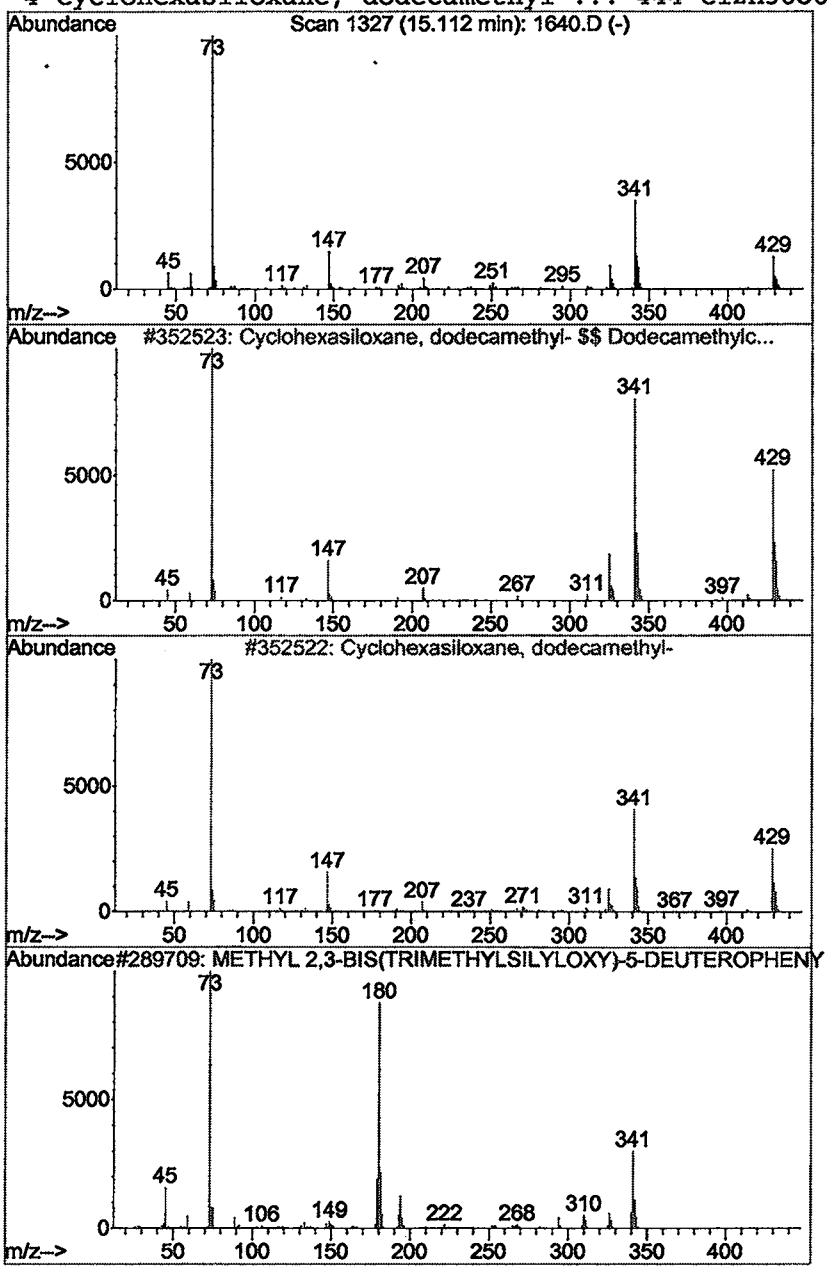
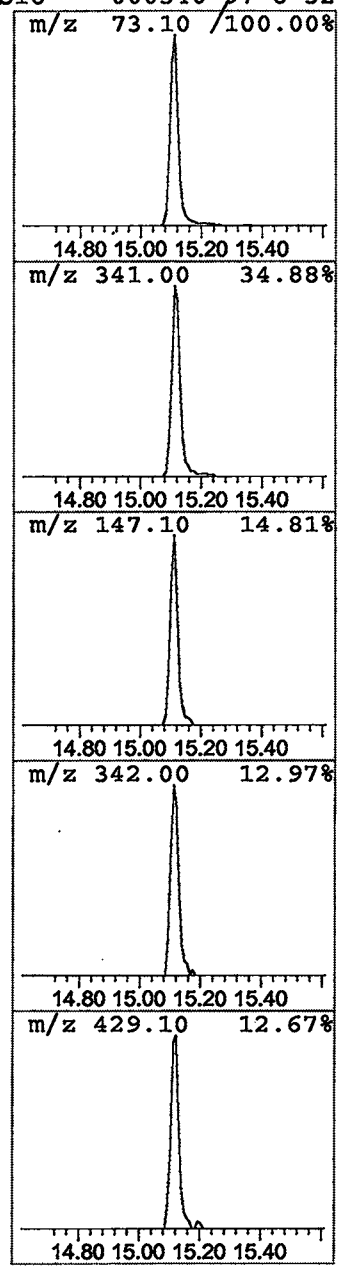
Peak Number 2 Cyclohexasiloxane, dodecame... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.11	1.95 ug/L	723724	Naphthalene-d8	13.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexasiloxane, dodecamethyl-...	444	C12H36O6Si6	000540-97-6	91
2	Cyclohexasiloxane, dodecamethyl-	444	C12H36O6Si6	000540-97-6	72
3	METHYL 2,3-BIS(TRIMETHYLSILYLOXY...	341	C16H27DO4Si2	000000-00-0	38
4	Cyclohexasiloxane, dodecamethyl-...	444	C12H36O6Si6	000540-97-6	32





Library Search Compound Report

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Acq On : 20 Mar 2002 10:32 am Operator: McLean
Sample : RE-INJ 3/1 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

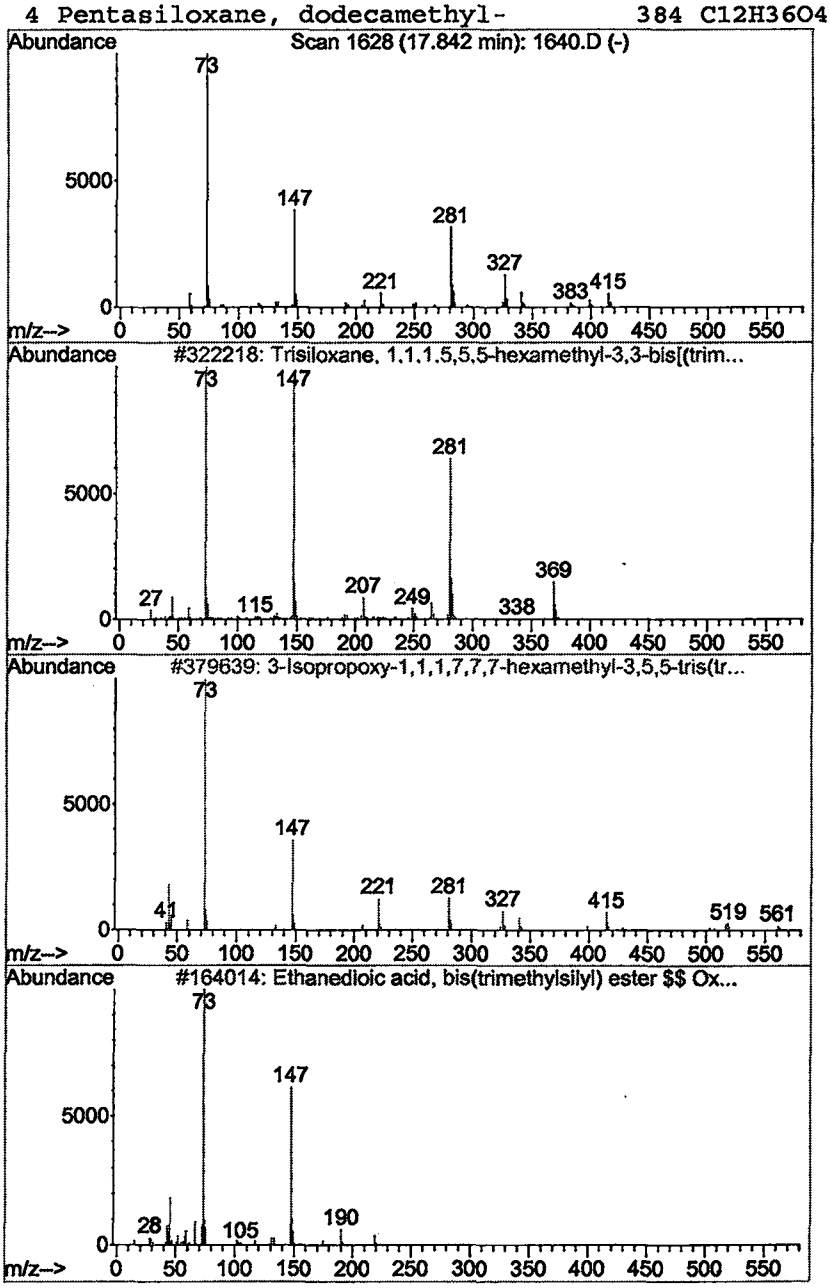
Quant Method : C:\MSDCHEM\1\5973N\5080302.M (RTE Integrator)
Title : Quantitation For Method 508gcscan
Library : C:\DATABASE\WILEY7N.L

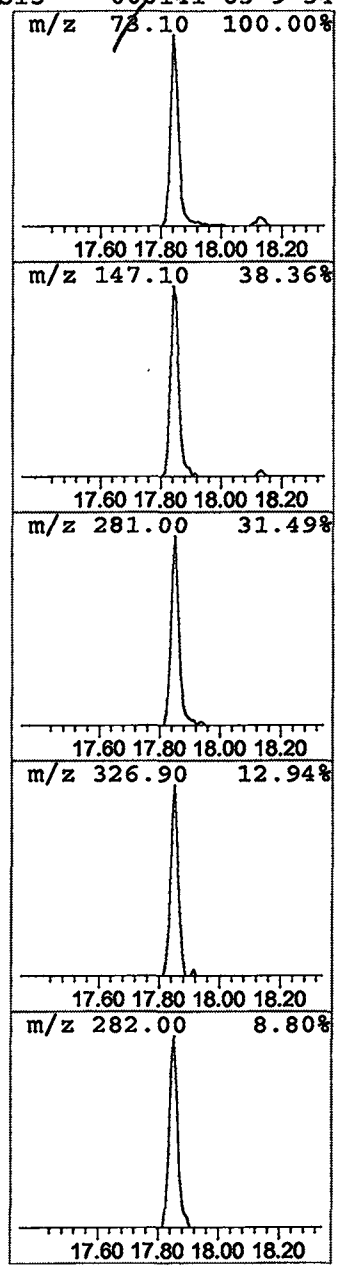
****

Peak Number 3 Trisiloxane, 1,1,1,5,5,5-he... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.84	1.30 ug/L	535649	Acenaphthene-d10	18.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Trisiloxane, 1,1,1,5,5,5-hexamet...	384	C12H36O4Si5	003555-47-3	42
2	3-Isopropoxy-1,1,1,7,7,7-hexamet...	576	C18H52O7Si7	071578-69-6	39
3	Ethanedioic acid, bis(trimethyls...	234	C8H18O4Si2	018294-04-7	38
4	Pentasiloxane, dodecamethyl-	384	C12H36O4Si5	000141-63-9	34





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Sample : RE-INJ 3/1 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

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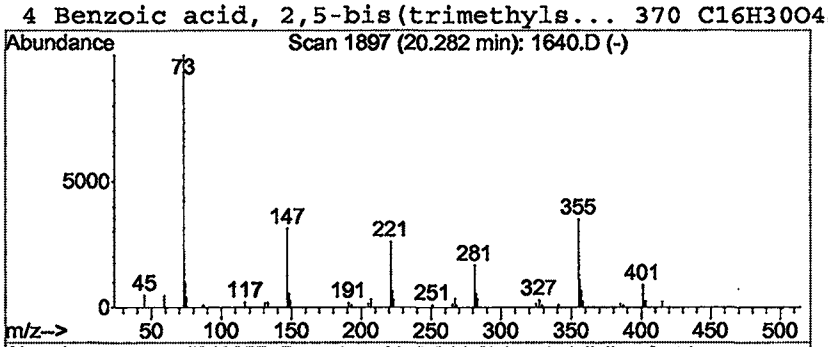
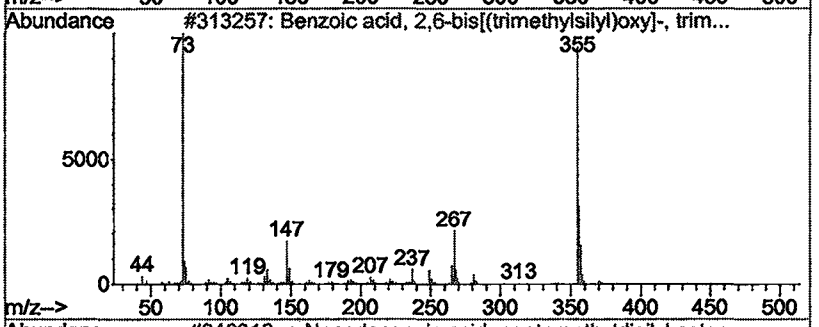
****

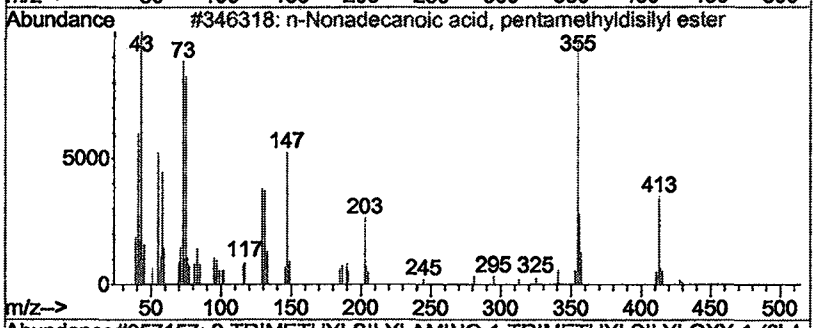
Peak Number 4 Benzoic acid, 2,6-bis[(trim... Concentration Rank 4

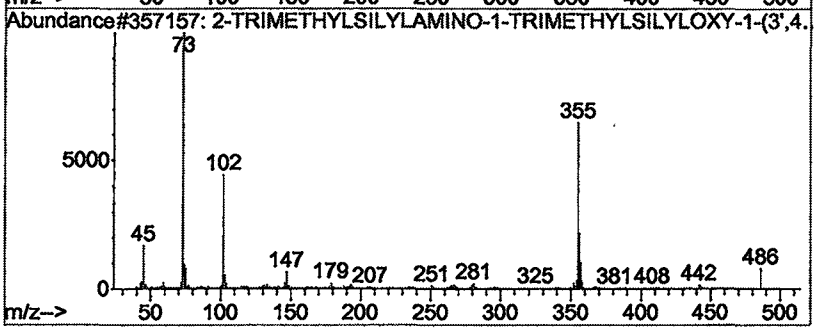
R.T.	EstConc	Area	Relative to ISTD	R.T.
20.28	0.96 ug/L	394940	Acenaphthene-d10	18.13

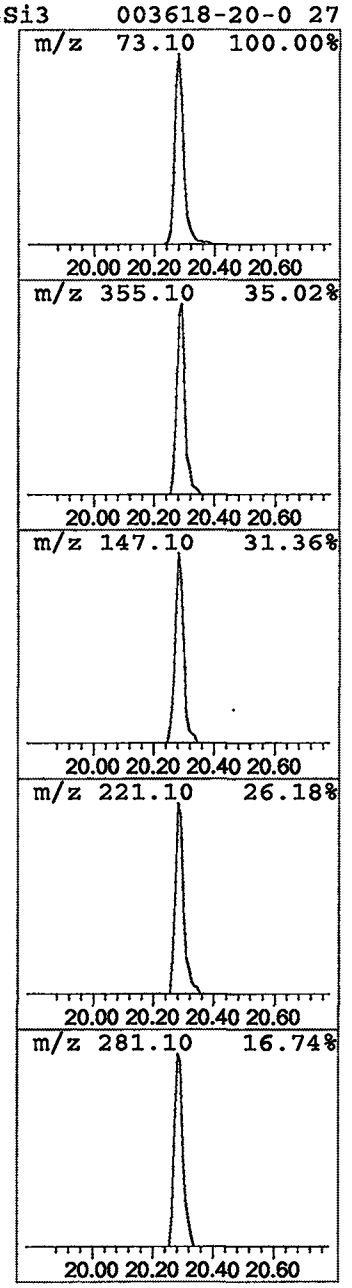
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzoic acid, 2,6-bis[(trimethyl...	370	C16H30O4Si3	003782-85-2	37
2	n-Nonadecanoic acid, pentamethyl...	428	C24H52O2Si2	000000-00-0	35
3	2-TRIMETHYLSILYLAMINO-1-TRIMETHY...	457	C20H43NO3Si4	068595-65-3	35
4	Benzoic acid, 2,5-bis(trimethyls...	370	C16H30O4Si3	003618-20-0	27











Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\031902\1640.D Vial: 25
Acq On : 20 Mar 2002 10:32 am Operator: McLean
Sample : RE-INJ 3/1 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

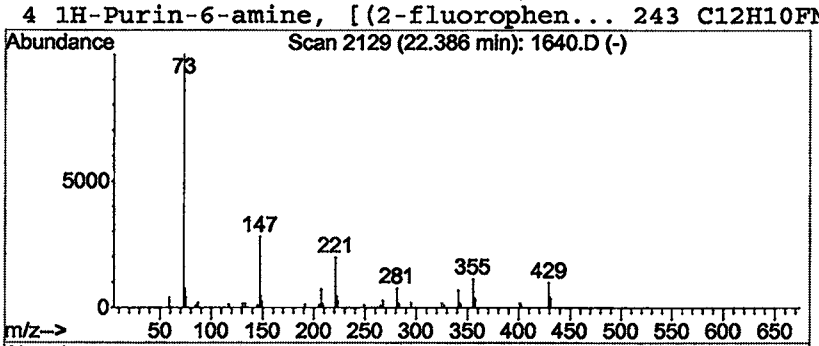
Quant Method : C:\MSDCHEM\1\5973N\5080302.M (RTE Integrator)
Title : Quantitation For Method 508gcscan
Library : C:\DATABASE\WILEY7N.L

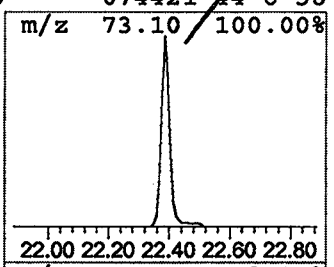
****

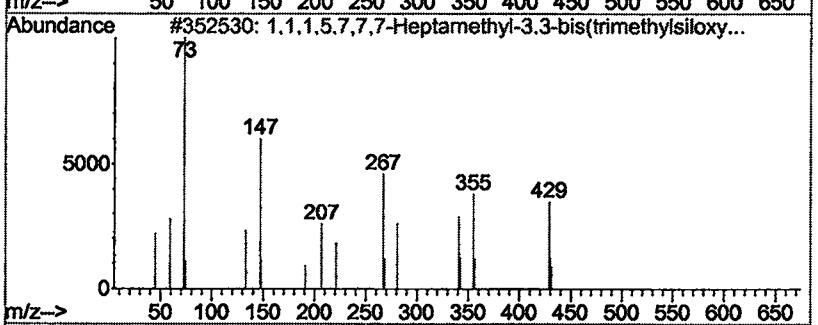
Peak Number 5 1,1,1,5,7,7,7-Heptamethyl-3... Concentration Rank 5

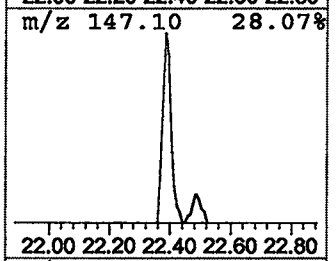
R.T.	EstConc	Area	Relative to ISTD	R.T.
22.39	0.69 ug/L	288760	Phenanthrene-d10	22.50

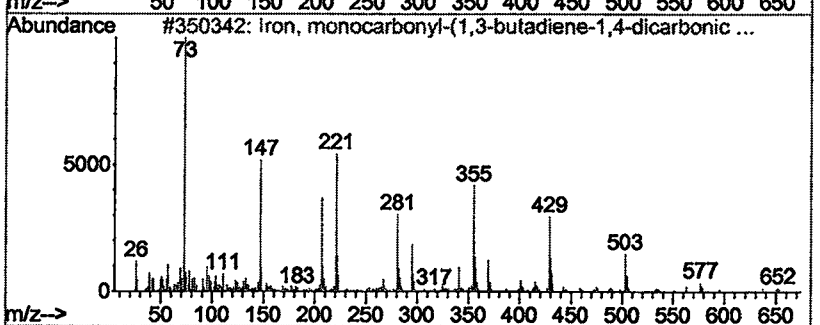
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1,1,5,7,7,7-Heptamethyl-3,3-bi...	444	C13H40O5Si6	038147-00-1	50
2	Iron, monocarbonyl-(1,3-butadien...	438	C21H22FeN2O5	109007-87-6	42
3	SILICATE ANION TETRAMER	888	C24H72O12Si12	000000-00-0	38
4	1H-Purin-6-amine, [(2-fluorophen...	243	C12H10FN5	074421-44-6	38

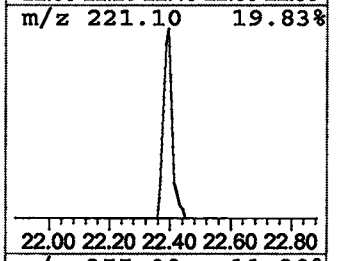


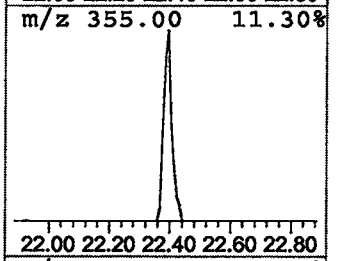


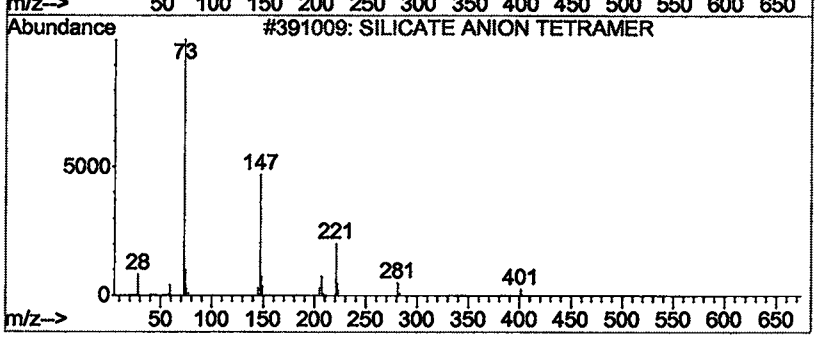


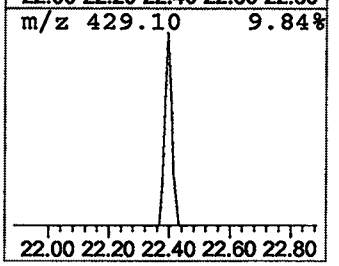












Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\031902\1640.D Vial: 25
Acq On : 20 Mar 2002 10:32 am Operator: McLean
Sample : RE-INJ 3/1 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

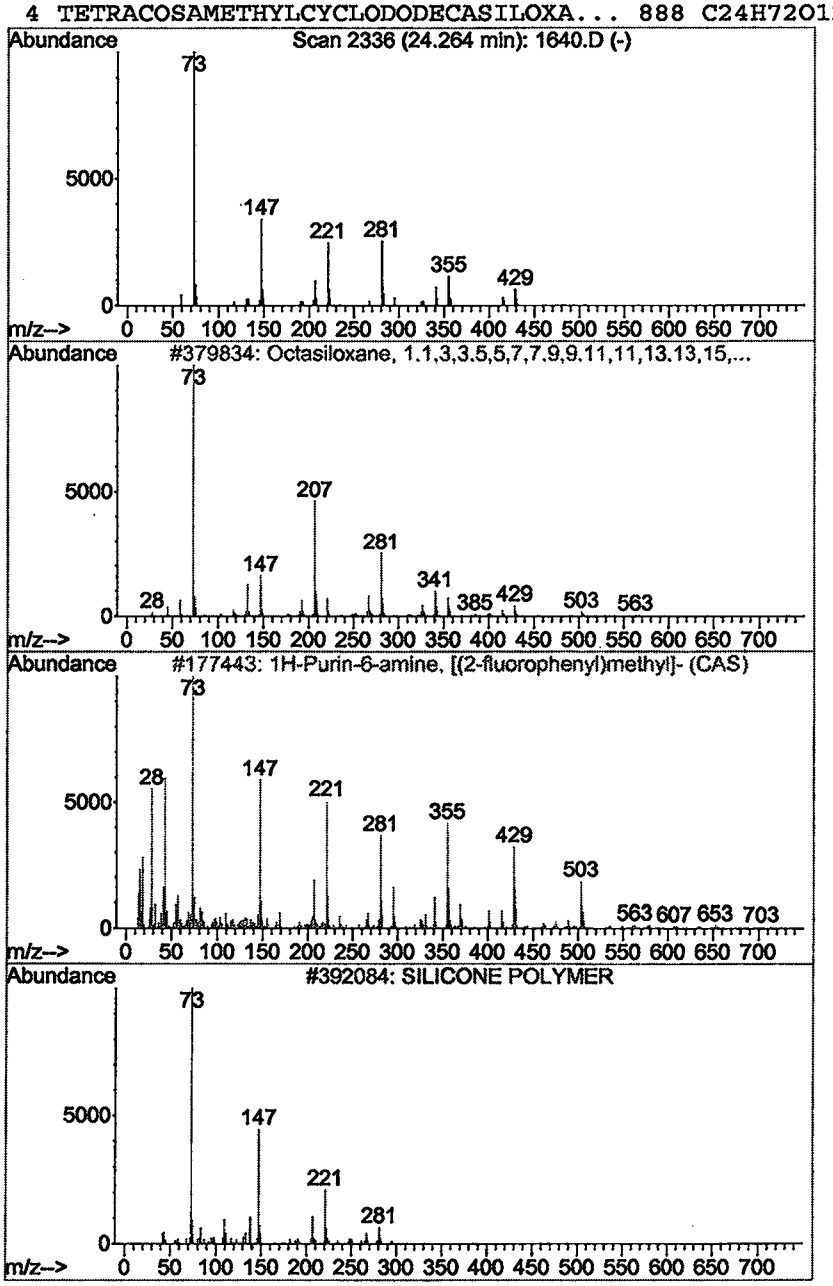
Quant Method : C:\MSDCHEM\1\5973N\5080302.M (RTE Integrator)
Title : Quantitation For Method 508gcscan
Library : C:\DATABASE\WILEY7N.L

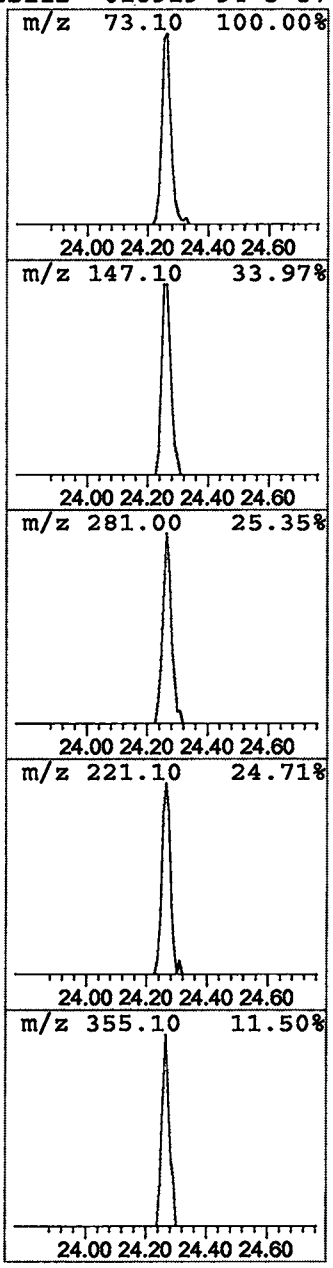
****

Peak Number 6 Octasiloxane, 1,1,3,3,5,5,7... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.26	0.50 ug/L	207019	Phenanthrene-d10	22.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octasiloxane, 1,1,3,3,5,5,7,7,9,...	578	C16H50O7Si8	019095-24-0	58
2	1H-Purin-6-amine, [(2-fluorophen...	243	C12H10FN5	074421-44-6	43
3	SILICONE POLYMER	458	C14H42O5Si6	000000-00-0	40
4	TETRACOSAMETHYLCYCLODODECASILOXA...	888	C24H72O12Si12	018919-94-3	37





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\031902\1640.D Vial: 25
Acq On : 20 Mar 2002 10:32 am Operator: McLean
Sample : RE-INJ 3/1 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1\5973N\5080302.M (RTE Integrator)
Title : Quantitation For Method 508gcscan
Library : C:\DATABASE\WILEY7N.L

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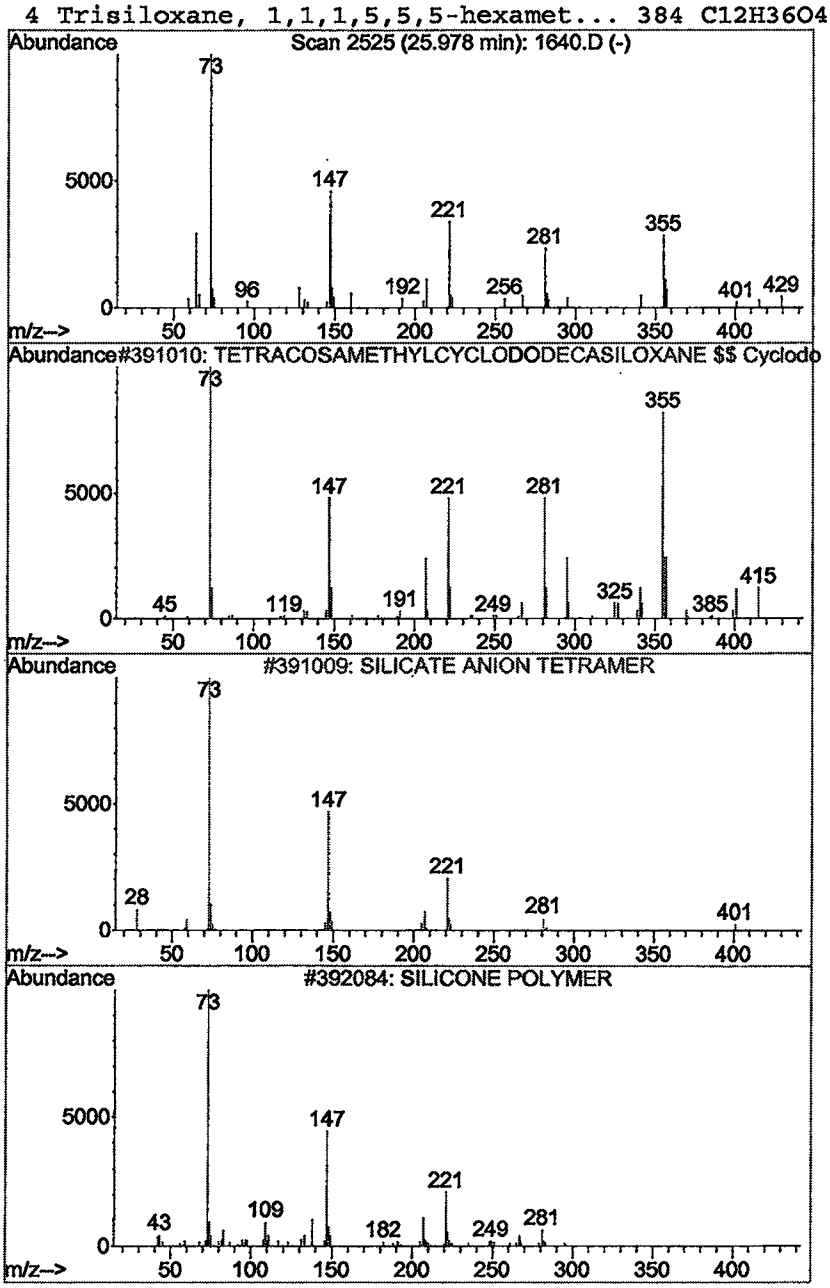
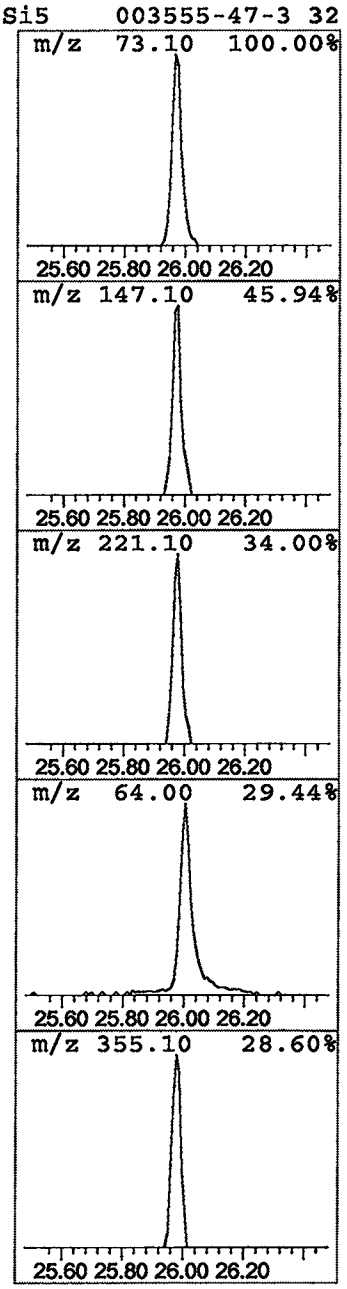
Peak Number 7 TETRACOSAMETHYLCYCLODODECAS... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.98	0.44 ug/L	182189	Phenanthrene-d10	22.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	TETRACOSAMETHYLCYCLODODECASILOXA...	888	C24H72O12Si12	018919-94-3	50
2	SILICATE ANION TETRAMER	888	C24H72O12Si12	000000-00-0	35
3	SILICONE POLYMER	458	C14H42O5Si6	000000-00-0	35
4	Trisiloxane, 1,1,1,5,5,5-hexamet...	384	C12H36O4Si5	003555-47-3	32





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\031902\1640.D Vial: 25
Acq On : 20 Mar 2002 10:32 am Operator: McLean
Sample : RE-INJ 3/1 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1\5973N\5080302.M (RTE Integrator)
Title : Quantitation For Method 508gcscan
Library : C:\DATABASE\WILEY7N.L

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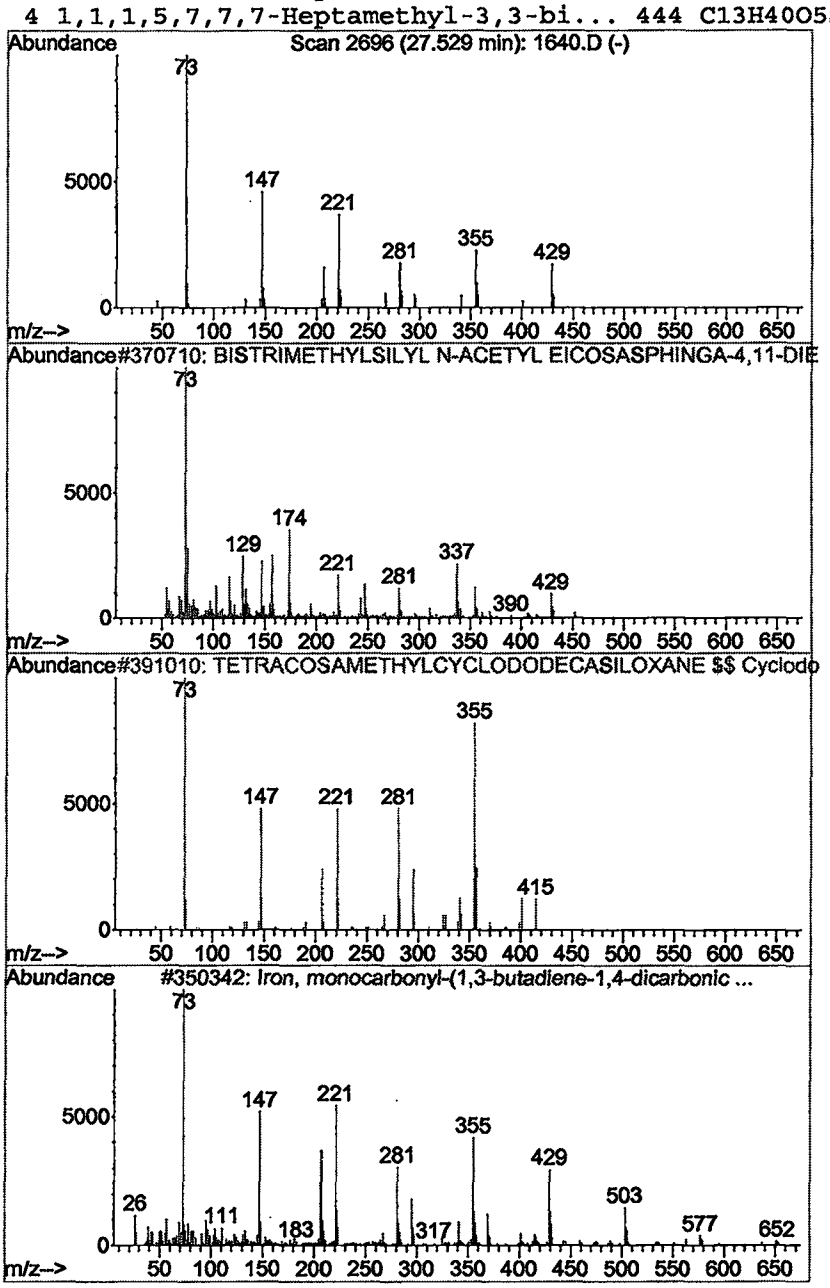
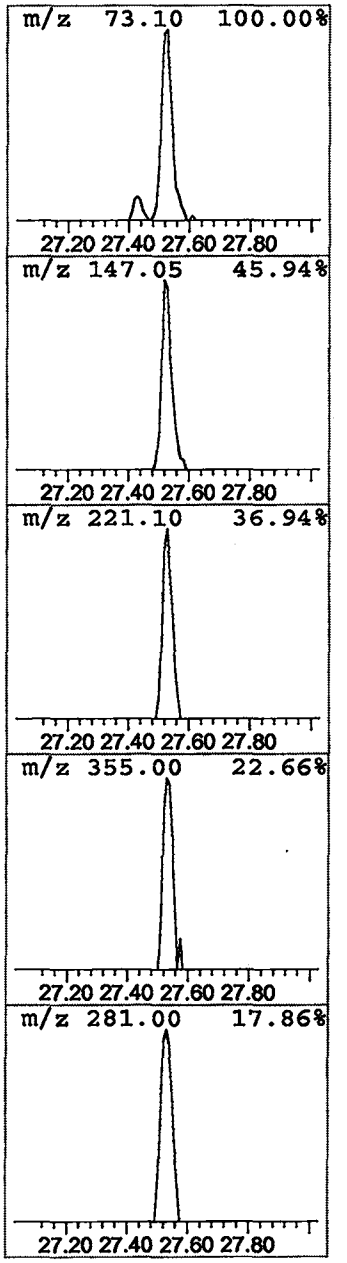
Peak Number 8 BISTRIMETHYLSILYL N-ACETYL ... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
27.53	0.47 ug/L	189688	Chrysene-d12	30.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	BISTRIMETHYLSILYL N-ACETYL EICOS...	511	C28H57NO3Si2	000000-00-0	64
2	TETRACOSAMETHYLCYCLODODECASILOXA...	888	C24H72O12Si12	018919-94-3	53
3	Iron, monocarbonyl-(1,3-butadien...	438	C21H22FeN2O5	109007-87-6	47
4	1,1,1,5,7,7,7-Heptamethyl-3,3-bi...	444	C13H40O5Si6	038147-00-1	43





Tentatively Identified Compound (LSC) summary

Operator ID: McLean Date Acquired: 20 Mar 2002 10:32 am
Data File: C:\MSDCHEM\1\DATA\031902\1640.D
Name: RE-INJ 3/1
Misc:
Method: C:\MSDCHEM\1\5973N\5080302.M (RTE Integrator)
Title: Quantitation For Method 508gcscan
Library Searched: C:\DATABASE\WILEY7N.L

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	Internal Standard RT	Internal Standard Resp	Internal Standard Conc
Cyclopentasiloxan...	12.05	1.0	ug/L	383709	2	13.03	7429000	20.0
Cyclohexasiloxane...	15.11	1.9	ug/L	723724	2	13.03	7429000	20.0
Trisiloxane, 1,1,...	17.84	1.3	ug/L	535649	3	18.13	8255830	20.0
Benzoic acid, 2,6...	20.28	1.0	ug/L	394940	3	18.13	8255830	20.0
1,1,1,5,7,7,7-Hep...	22.39	0.7	ug/L	288760	4	22.50	8337720	20.0
Octasiloxane, 1,1...	24.26	0.5	ug/L	207019	4	22.50	8337720	20.0
TETRACOSAMETHYLCY...	25.98	0.4	ug/L	182189	4	22.50	8337720	20.0
BISTRIMETHYLSILYL...	27.53	0.5	ug/L	189688	5	30.30	8017410	20.0