User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 03/22/2002 Time: 10:04:32

Sample: AE03799
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 3/22/02 10:03 Ended: 3/22/02 10:03 Analyst: DLV
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Other unknown compounds				
2	Surr_2,4-DDD-	USPEC	158		5.0

Comments for Sample AE03799 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 03-22-2002 Time: 10:06:02

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds.
Recoveries for the LCS Standard compounds were high. New acceptance ranges will be calculated.

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\031902\3799.D Vial: 9
Acq On : 19 Mar 2002 6:13 pm Operator: McLean
Sample : RE-INJ 2/20 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: BENZO.P
Quant Time: Mar 21 11:38:08 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	1944089	20.00	ug/L	0.00
10) Naphthalene-d8	13.03	136	5215001	20.00	ug/L	0.00
17) Acenaphthene-d10	18.14	164	2908976	20.00	ug/L	0.00
29) Phenanthrene-d10	22.50	188	4463227	20.00	ug/L	0.00
38) Chrysene-d12	30.31	240	4104773	20.00	ug/L	0.00
44) Perylene-d12	34.18	264	1994892	20.00	ug/L	0.00
System Monitoring Compounds						
37) 2,4-ddd surr	27.43	235	421486	7.92	ug/L	0.00
Spiked Amount 5.000			Recovery =	158.40%		
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.	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	24.65	149	9022	0.04	ug/L	80
36) Fluoranthene	0.00	202	0	N.D.		
39) Pyrene	0.00	202	0	N.D.		
40) Butylbenzylphthalate	29.06	149	3139	0.03	ug/L	86
41) Benzo (a) antracene	0.00	228	0	N.D.	d	
42) Bis (2-ethylhexyl) phthala	30.91	149	148572	0.93	ug/L	93
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

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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

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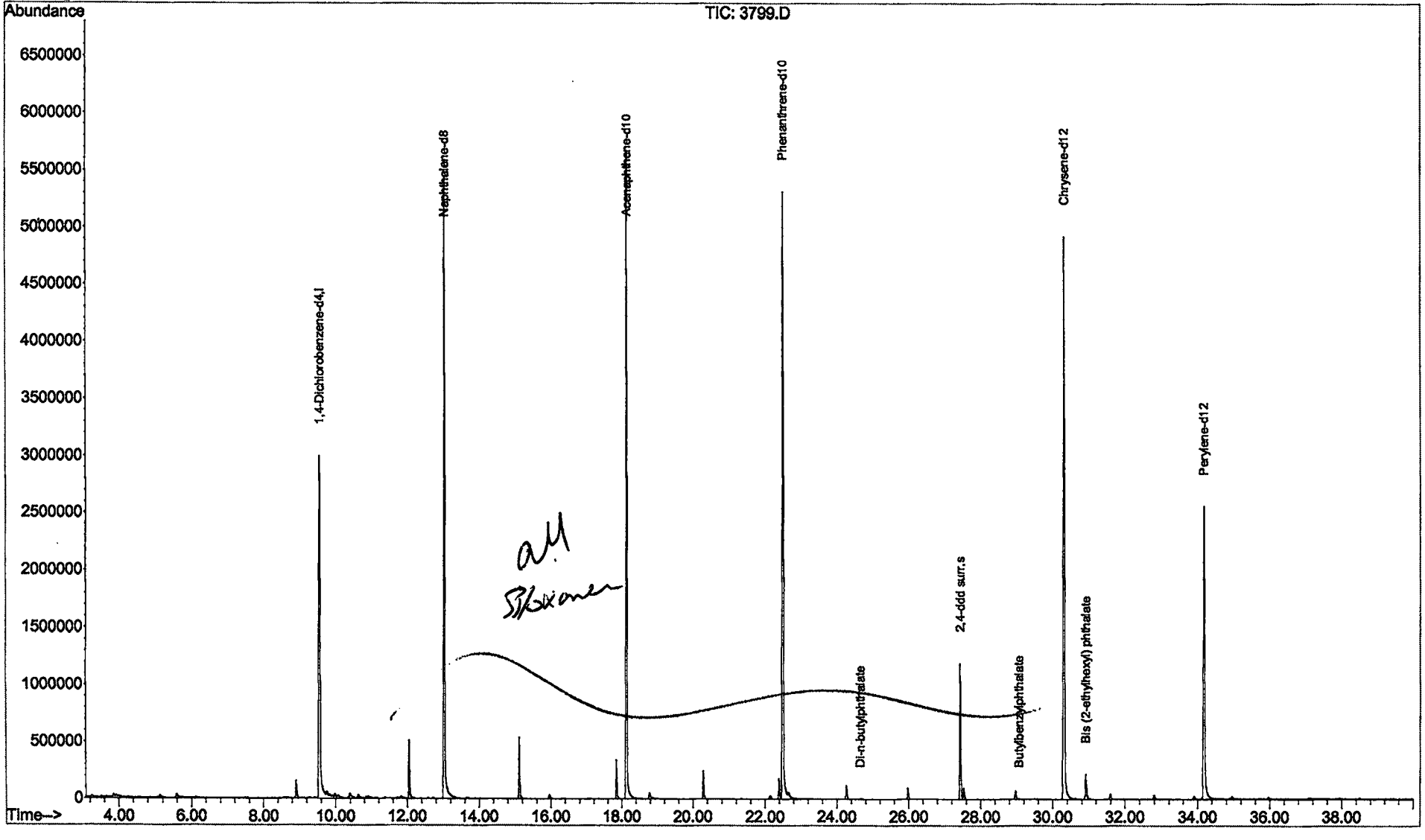


LSC Area Percent Report

Data File : C:\MSDCHEM\1\DATA\031902\3799.D Vial: 9
Acq On : 19 Mar 2002 6:13 pm Operator: McLean
Sample : RE-INJ 2/20 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

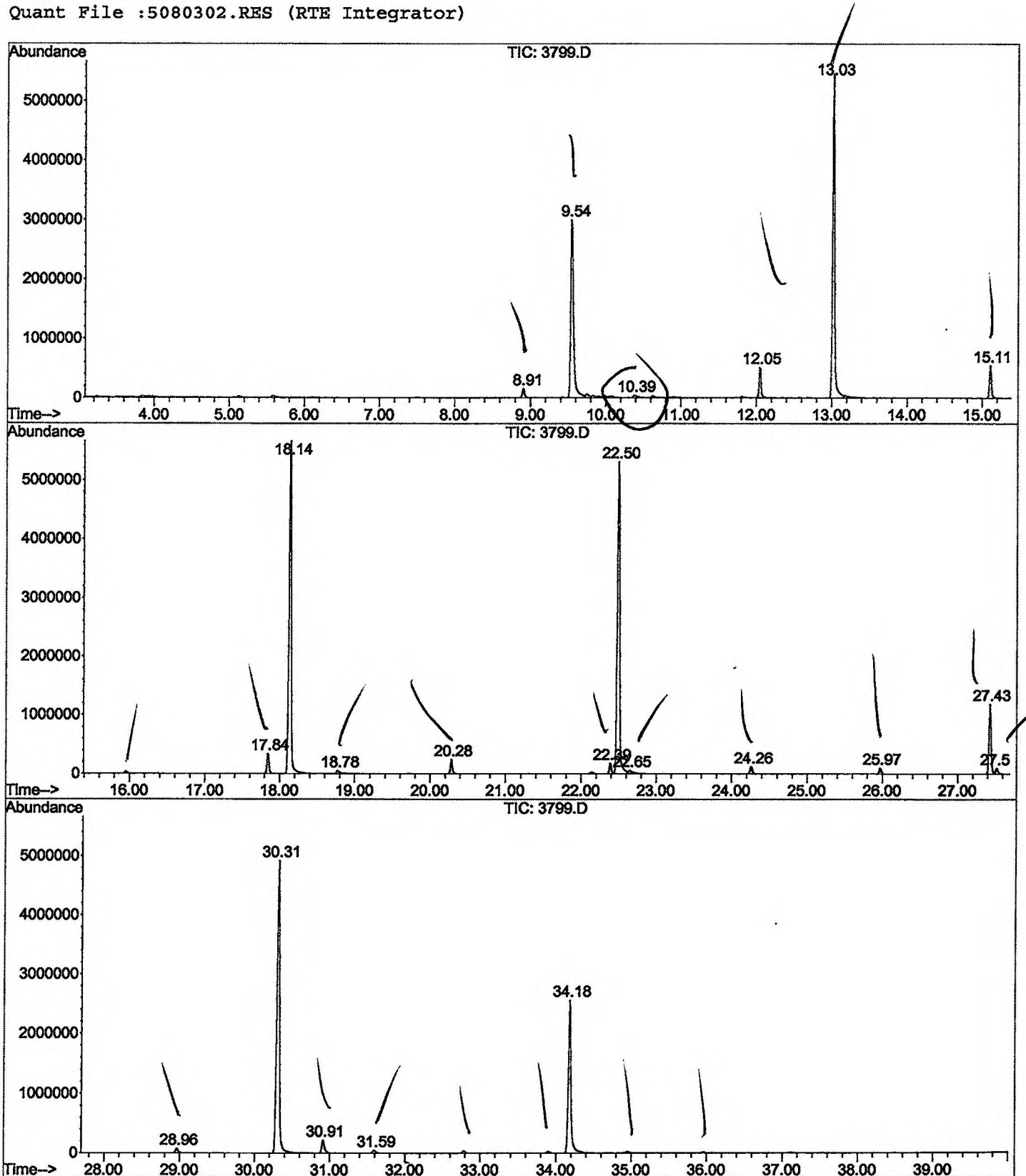
Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	8.908	636	643	652	rBV	154230	330537	2.70%	0.472%
2	9.543	708	713	733	rBV	2989648	8105097	66.13%	11.572%
3	10.387	801	806	822	rBV2	40605	151085	1.23%	0.216%
4	12.047	985	989	1002	rBV	509693	947632	7.73%	1.353%
5	13.026	1091	1097	1112	rBV	5444013	11073122	90.35%	15.809%
6	15.112	1322	1327	1338	rBV	542967	967215	7.89%	1.381%
7	17.842	1623	1628	1640	rBV	340437	651240	5.31%	0.930%
8	18.142	1654	1661	1677	rBV	5663318	12043621	98.27%	17.195%
9	18.777	1727	1731	1739	rBV	51547	137312	1.12%	0.196%
10	20.282	1892	1897	1906	rBV	244182	444677	3.63%	0.635%
11	22.387	2124	2129	2135	rBV2	178079	339121	2.77%	0.484%
12	22.495	2135	2141	2154	rVV2	5310031	12256113	100.00%	17.498%
13	22.650	2155	2158	2169	rVB3	50055	167438	1.37%	0.239%
14	24.264	2331	2336	2342	rBB	122306	238679	1.95%	0.341%
15	25.969	2519	2524	2531	rVB	100182	202076	1.65%	0.289%
16	27.430	2680	2685	2692	rBV	1188287	2242097	18.29%	3.201%
17	27.529	2692	2696	2703	rVB	95181	214728	1.75%	0.307%
18	28.962	2849	2854	2861	rBV	75696	164508	1.34%	0.235%
19	30.314	2995	3003	3027	rBV2	4919937	12107315	98.79%	17.286%
20	30.913	3064	3069	3081	rBV	217429	526320	4.29%	0.751%
21	31.593	3138	3144	3155	rBV2	48212	129909	1.06%	0.185%
22	34.178	3422	3429	3459	rBV2	2559554	6603197	53.88%	9.427%

Sum of corrected areas: 70043039

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\DATA\031902\3799.D
Operator : McLean
Acquired : 19 Mar 2002 6:13 pm using AcqMethod 508SCAN
Instrument : Instrumen
Sample Name: RE-INJ 2/20
Misc Info :
Vial Number: 9
Quant File :5080302.RES (RTE Integrator)



Library Search Compound Report

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Acq On : 19 Mar 2002 6:13 pm Operator: McLean
Sample : RE-INJ 2/20 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

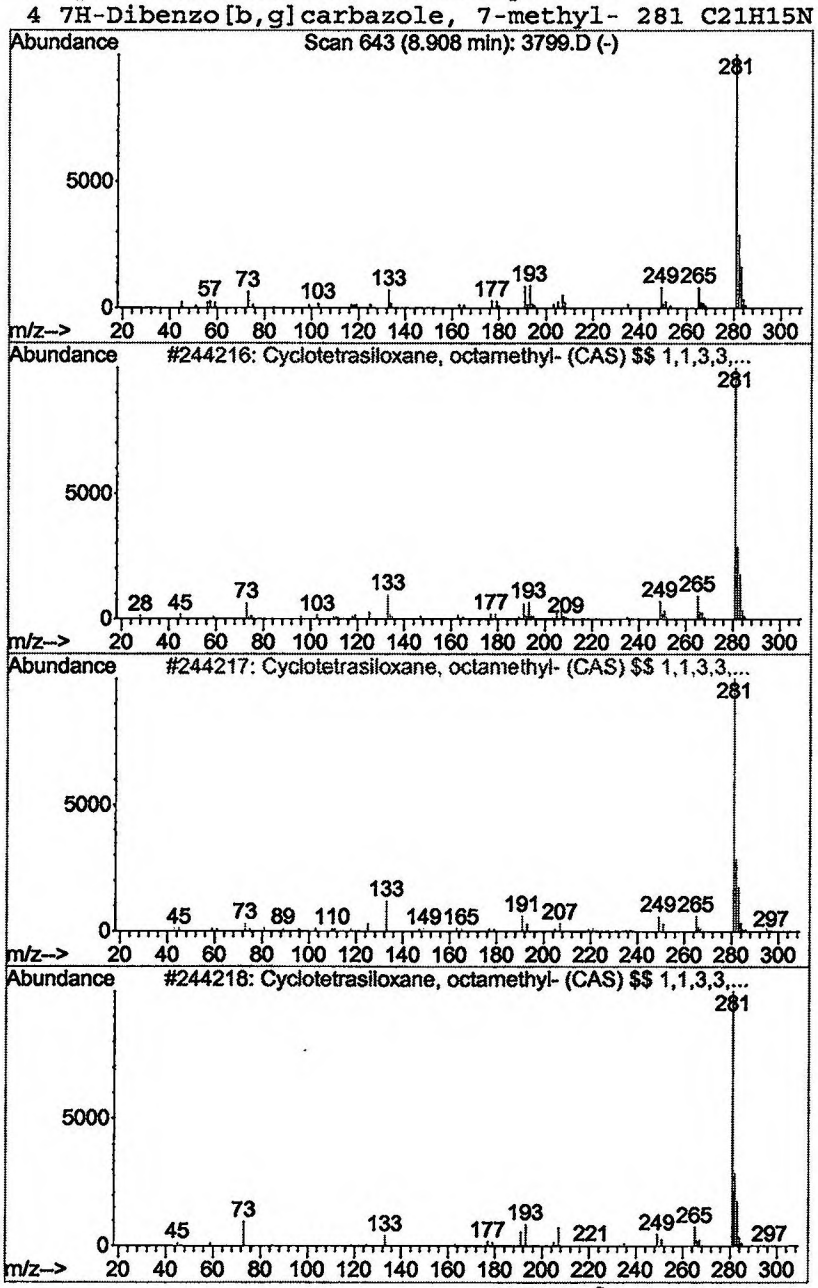
Quant Method : C:\MSDCHEM\1\5973N\5080302.M (RTE Integrator)
Title : Quantitation For Method 508gcscan
Library : C:\DATABASE\WILEY7N.L

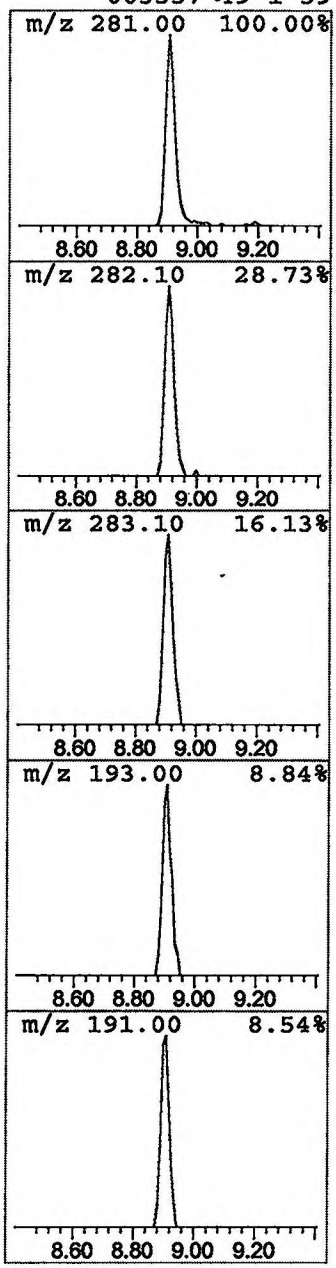
****

Peak Number 1 Cyclotetrasiloxane, octamet... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.91	0.82 ug/L	330537	1,4-Dichlorobenzene-d4	9.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclotetrasiloxane, octamethyl- ...	296	C8H24O4Si4	000556-67-2	91
2	Cyclotetrasiloxane, octamethyl- ...	296	C8H24O4Si4	000556-67-2	83
3	Cyclotetrasiloxane, octamethyl- ...	296	C8H24O4Si4	000556-67-2	78
4	7H-Dibenzo[b,g]carbazole, 7-methyl-	281	C21H15N	003557-49-1	59





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Sample : RE-INJ 2/20 Inst : Instrumen
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MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1\5973N\5080302.M (RTE Integrator)
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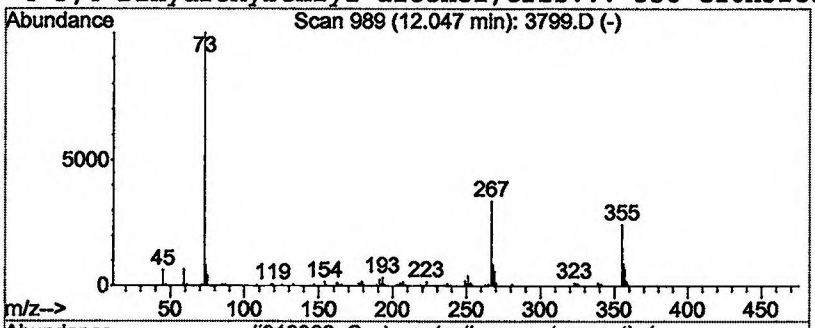
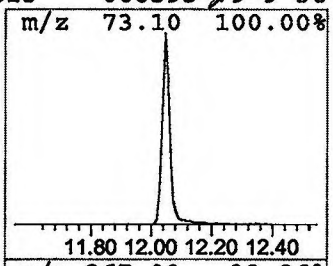
****

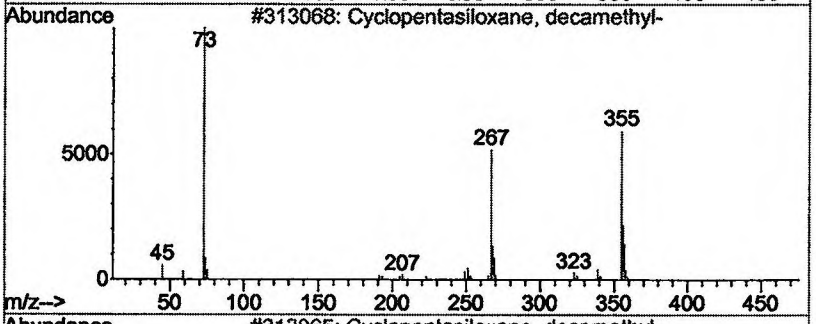
Peak Number 2 Cyclopentasiloxane, decamet... Concentration Rank 2

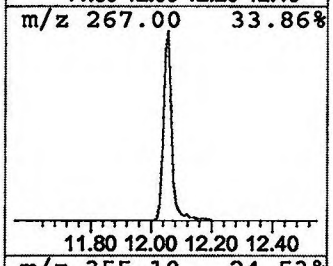
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.05	1.71 ug/L	947632	Naphthalene-d8	13.03

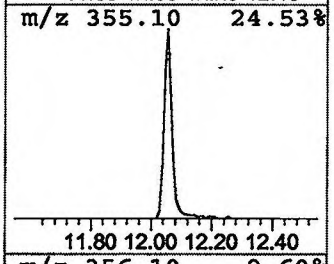
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentasiloxane, decamethyl-	370	C10H30O5Si5	000541-02-6	91
2	Cyclopentasiloxane, decamethyl-	370	C10H30O5Si5	000541-02-6	68
3	3,4-DIHYDROXYMANDELIC ACID-TETRATMS	472	C20H40O5Si4	000000-00-0	47
4	3,4-Dihydroxybenzyl alcohol,tris...	356	C16H32O3Si3	068595-79-9	38

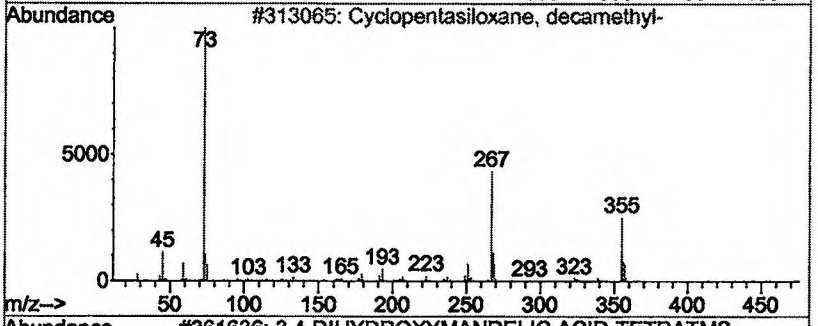


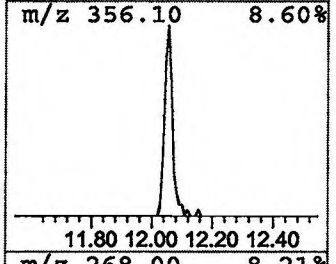


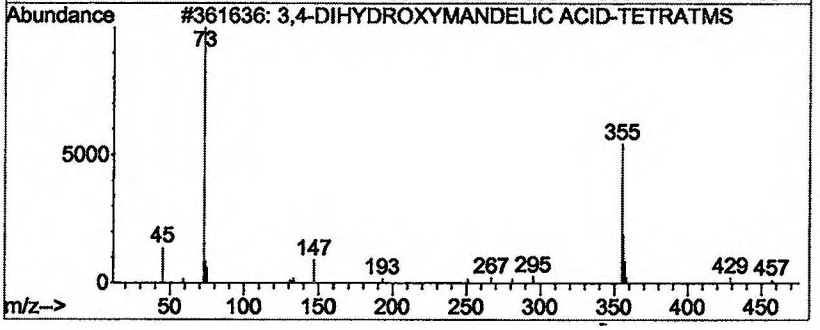


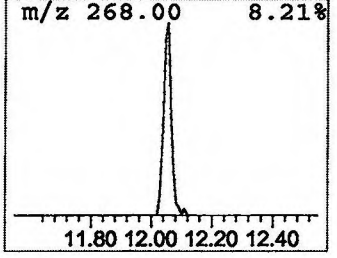












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MS Integration Params: LSCINT.P

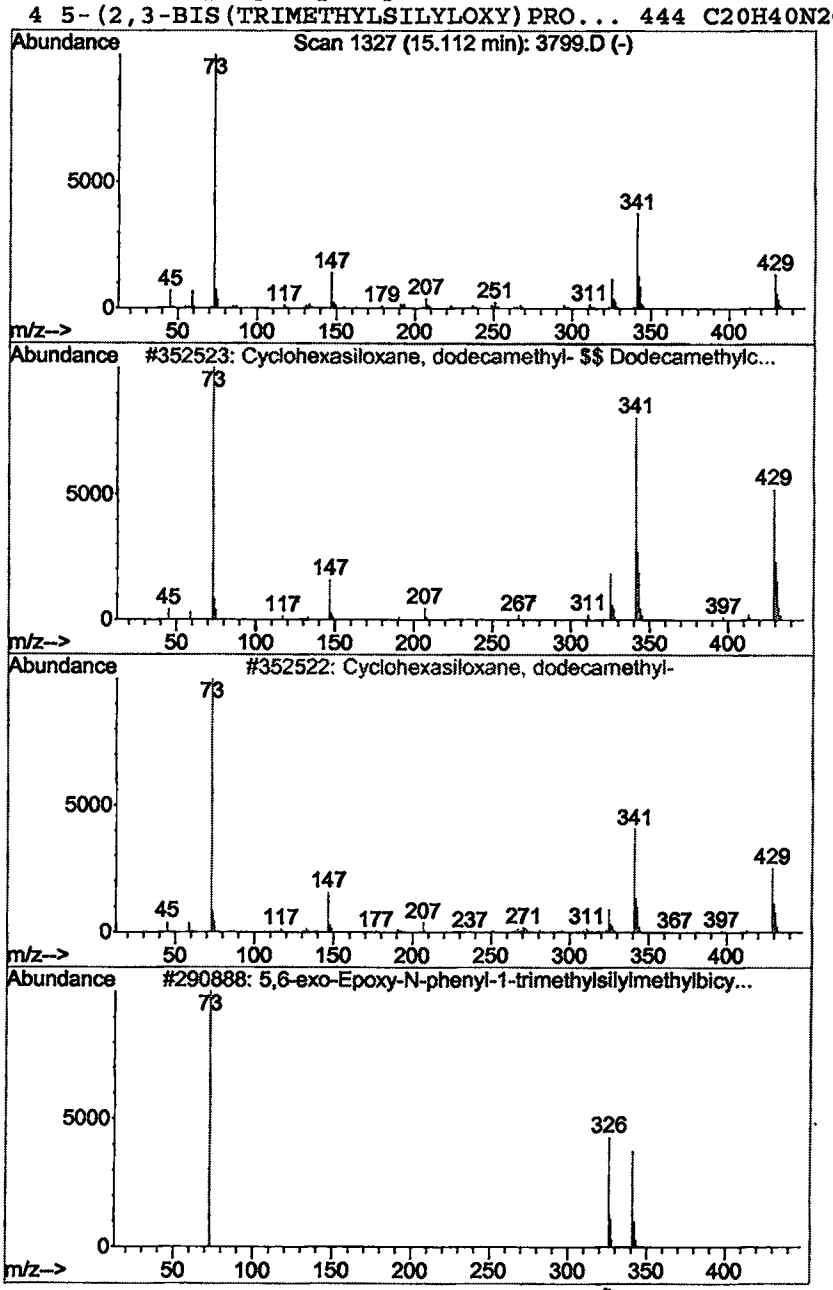
Quant Method : C:\MSDCHEM\1\5973N\5080302.M (RTE Integrator)
Title : Quantitation For Method 508gcscan
Library : C:\DATABASE\WILEY7N.L

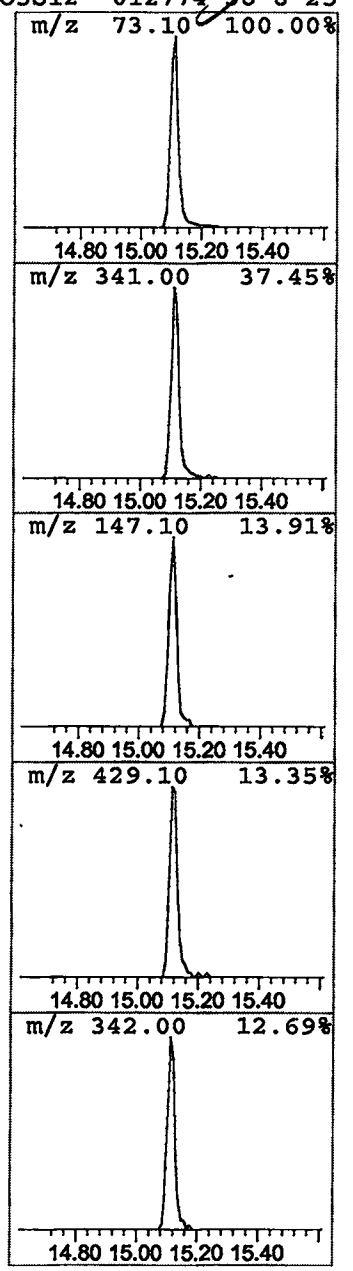
****

Peak Number 3 Cyclohexasiloxane, dodecame... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.11	1.75 ug/L	967215	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	64
3	5,6-exo-Epoxy-N-phenyl-1-trimeth...	341	C19H23NO3Si	000000-00-0	47
4	5-(2,3-BIS(TRIMETHYLSILYLOXY)PRO...	444	C20H40N2O5Si2	012774-38-8	25





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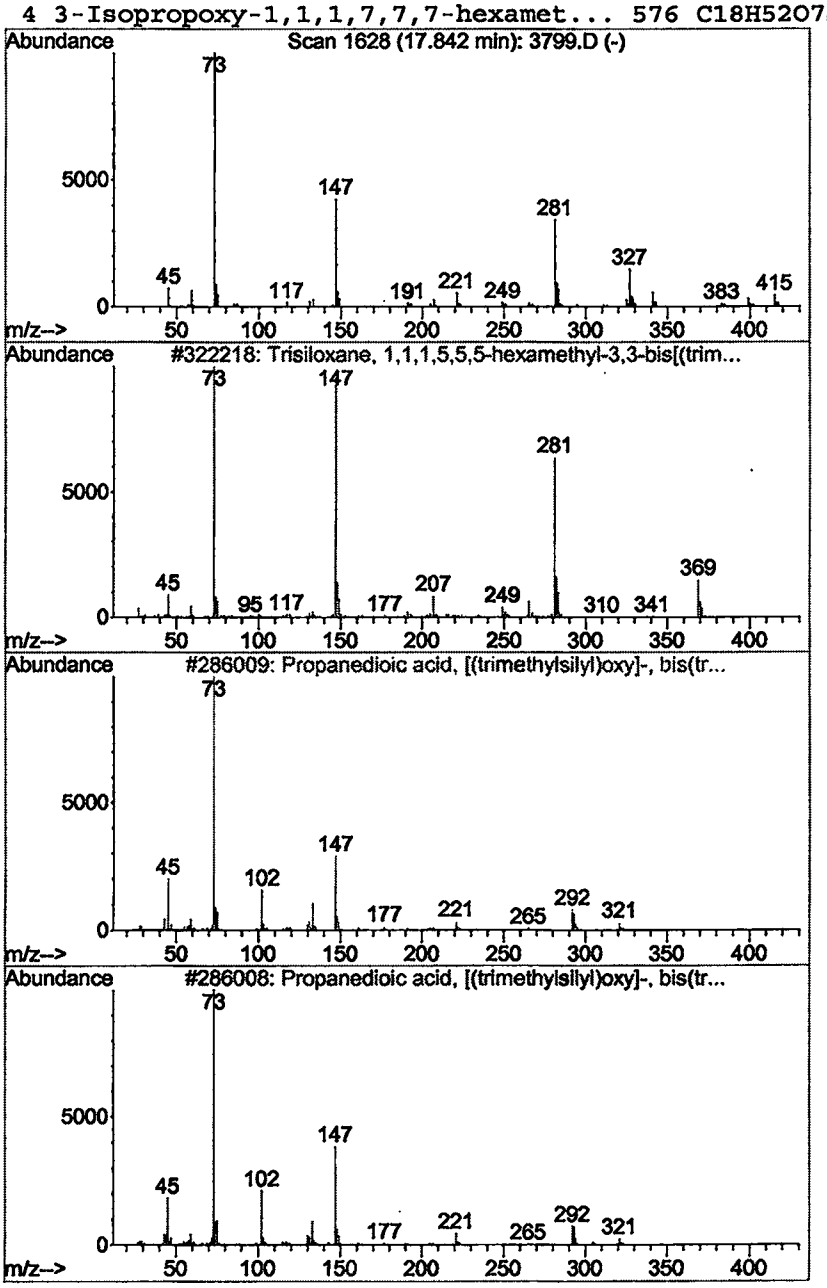
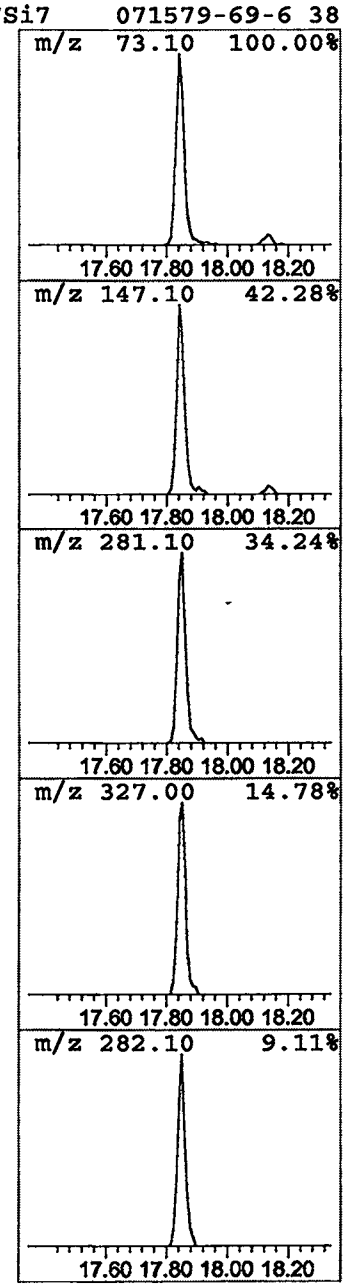
****

Peak Number 4 Trisiloxane, 1,1,1,5,5,5-he... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.84	1.08 ug/L	651240	Acenaphthene-d10	18.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Trisiloxane, 1,1,1,5,5,5-hexamet...	384	C12H36O4Si5	003555-47-3	59
2	Propanedioic acid, [(trimethylsi...	336	C12H28O5Si3	038165-93-4	38
3	Propanedioic acid, [(trimethylsi...	336	C12H28O5Si3	038165-93-4	38
4	3-Isopropoxy-1,1,1,7,7,7-hexamet...	576	C18H52O7Si7	071579-69-6	38





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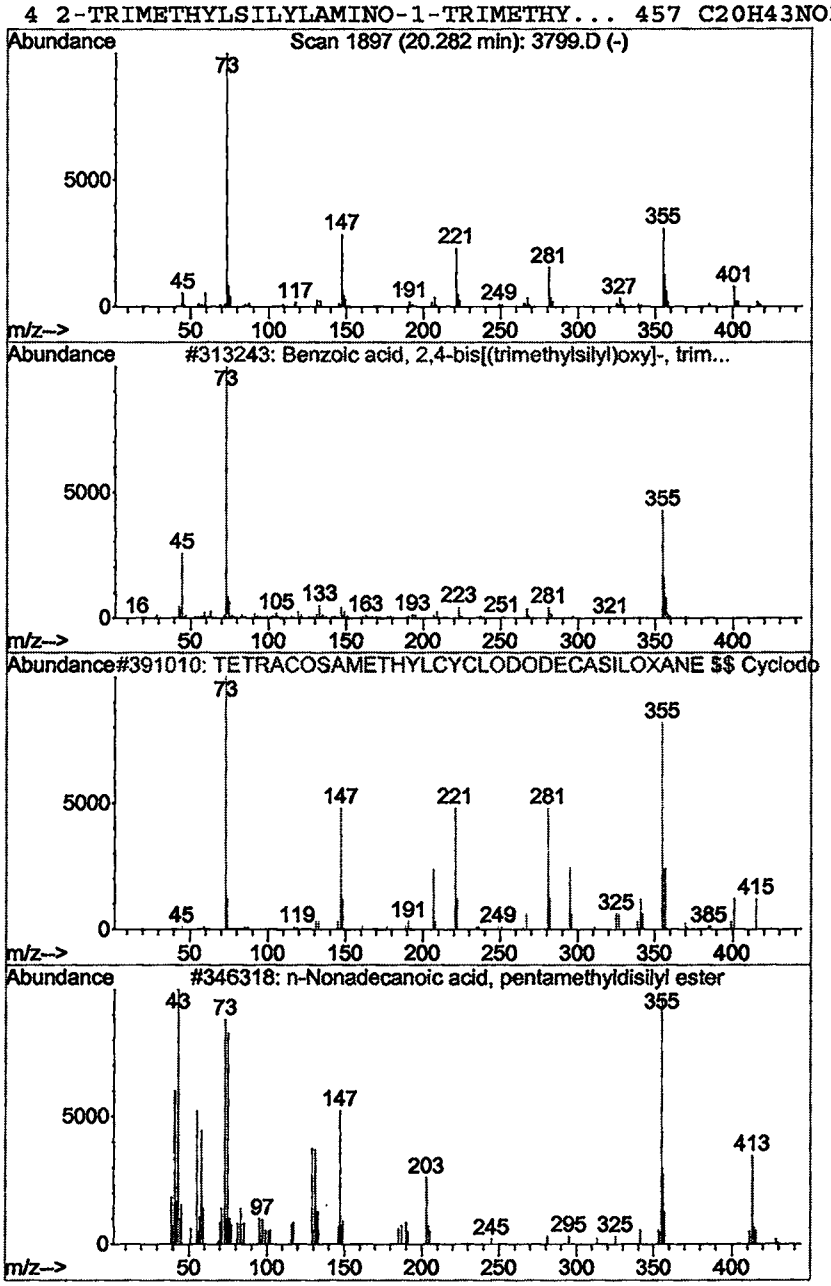
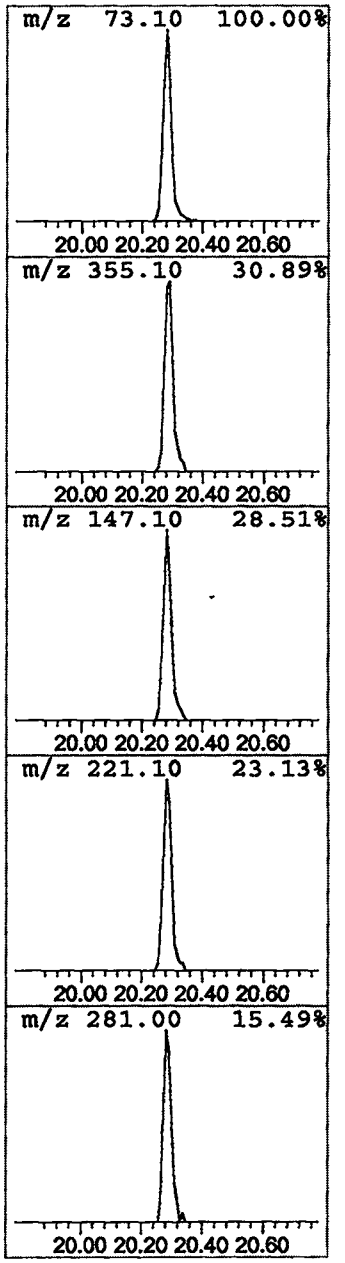
****

Peak Number 5 Benzoic acid, 2,4-bis[(trim... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.28	0.74 ug/L	444677	Acenaphthene-d10	18.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzoic acid, 2,4-bis[(trimethyl...	370	C16H30O4Si3	010586-16-0	37
2	TETRACOSAMETHYLCYCLODODECASILOXA...	888	C24H72O12Si12	018919-94-3	35
3	n-Nonadecanoic acid, pentamethyl...	428	C24H52O2Si2	000000-00-0	35
4	2-TRIMETHYLSILYLAMINO-1-TRIMETHY...	457	C20H43NO3Si4	068595-65-3	35





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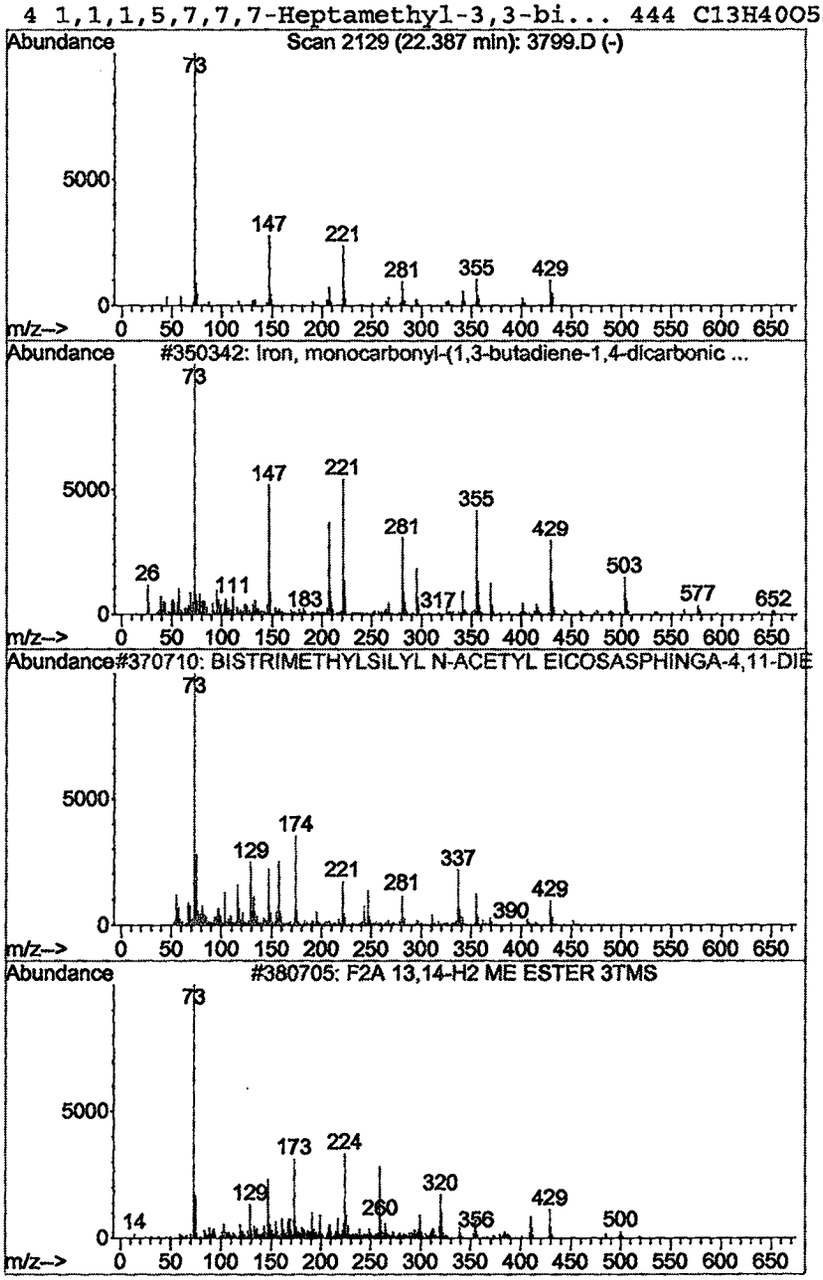
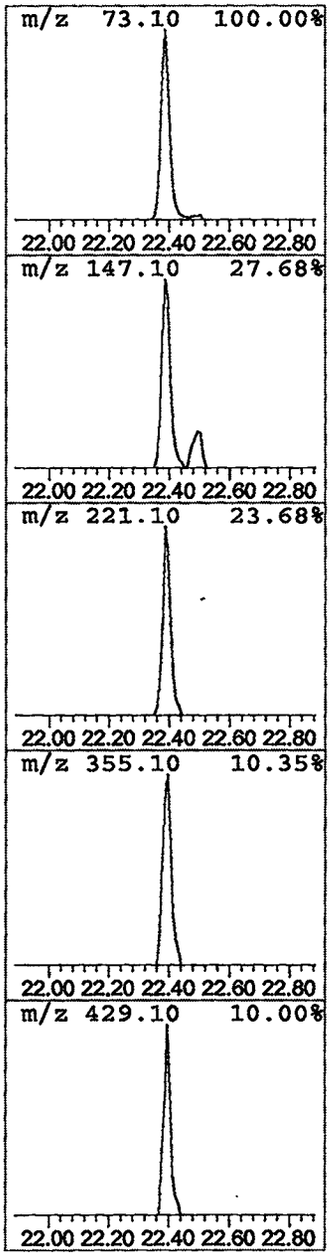
****

Peak Number 6 Iron, monocarbonyl-(1,3-but... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.39	0.55 ug/L	339121	Phenanthrene-d10	22.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Iron, monocarbonyl-(1,3-butadien...	438	C21H22FeN2O5	109007-87-6	47
2	BISTRIMETHYLSILYL N-ACETYL EICOS...	511	C28H57NO3Si2	000000-00-0	42
3	F2A 13,14-H2 ME ESTER 3TMS	586	C30H62O5Si3	000000-00-0	40
4	1,1,1,5,7,7,7-Heptamethyl-3,3-bi...	444	C13H40O5Si6	038147-00-1	35





Tentatively Identified Compound (LSC) summary

perator ID: McLean Date Acquired: 19 Mar 2002 6:13 pm
ata File: C:\MSDCHEM\1\DATA\031902\3799.D
ame: RE-INJ 2/20
isc:
ethod: C:\MSDCHEM\1\5973N\5080302.M (RTE Integrator)
itle: Quantitation For Method 508gcscan
ibrary Searched: C:\DATABASE\WILEY7N.L

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	Internal Standard RT	Internal Standard Resp	Internal Standard Conc
Cyclotetrasiloxan...	8.91	0.8	ug/L	330537	1	9.54	8105100	20.0
Cyclopentasiloxan...	12.05	1.7	ug/L	947632	2	13.03	11073100	20.0
Cyclohexasiloxane...	15.11	1.7	ug/L	967215	2	13.03	11073100	20.0
Trisiloxane, 1,1,...	17.84	1.1	ug/L	651240	3	18.14	12043600	20.0
Benzoic acid, 2,4...	20.28	0.7	ug/L	444677	3	18.14	12043600	20.0
Iron, monocarbony...	22.39	0.6	ug/L	339121	4	22.50	12256100	20.0