User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 03/29/2002 Time: 08:22:30

Sample: AE03281
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 3/29/02 08:22 Ended: 3/29/02 08:22 Analyst: DLV
Page: 1

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

Comments for Sample AE03281 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 03-29-2002 Time: 08:22:34

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\031902\3281.D Vial: 35
Acq On : 21 Mar 2002 9:11 am Operator: McLean
Sample : 2/14/02 RE-INJ Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: BENZO.P
Quant Time: Mar 25 09:02:49 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	9.55	150	4581812	20.00	ug/L	0.00
10) Naphthalene-d8	13.04	136	12126110	20.00	ug/L	0.02
17) Acenaphthene-d10	18.16	164	6623292	20.00	ug/L	0.02
29) Phenanthrene-d10	22.52	188	10379666	20.00	ug/L	0.03
38) Chrysene-d12	30.34	240	8917433	20.00	ug/L	0.02
44) Perylene-d12	34.21	264	5376612	20.00	ug/L	0.03
System Monitoring Compounds						
37) 2,4-ddd surr	27.44	235	379152	3.06	ug/L	0.00
Spiked Amount 5.000			Recovery = 61.20%			
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.	d	
34) Anthracene	0.00	178	0	N.D.	d	
35) Di-n-butylphthalate	24.65	149	33684	0.06	ug/L	90
36) Fluoranthene	0.00	202	0	N.D.		
39) Pyrene	0.00	202	0	N.D.		
40) Butylbenzylphthalate	28.96	149	3268	0.01	ug/L #	16
41) Benzo (a) antracene	30.33	228	23333	0.05	ug/L	72
42) Bis (2-ethylhexyl) phthala	30.91	149	11229	0.03	ug/L	85
43) Chrysene	0.00	228	0	N.D.	d	
45) Di-n-Octylphthalate	32.78	149	2718	0.00	ug/L #	1
46) Benzo (b) fluoranthene	0.00	252	0	N.D.		

6.95/5 = 139

(#) = qualifier out of range (m) = manual integration
3281.D 5080302.M Mon Mar 25 09:03:46 2002 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\031902\3281.D Vial: 35
Acq On : 21 Mar 2002 9:11 am Operator: McLean
Sample : 2/14/02 RE-INJ Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: BENZO.P
Quant Time: Mar 25 09:02:49 2002 Quant Results File: 5080302.RES

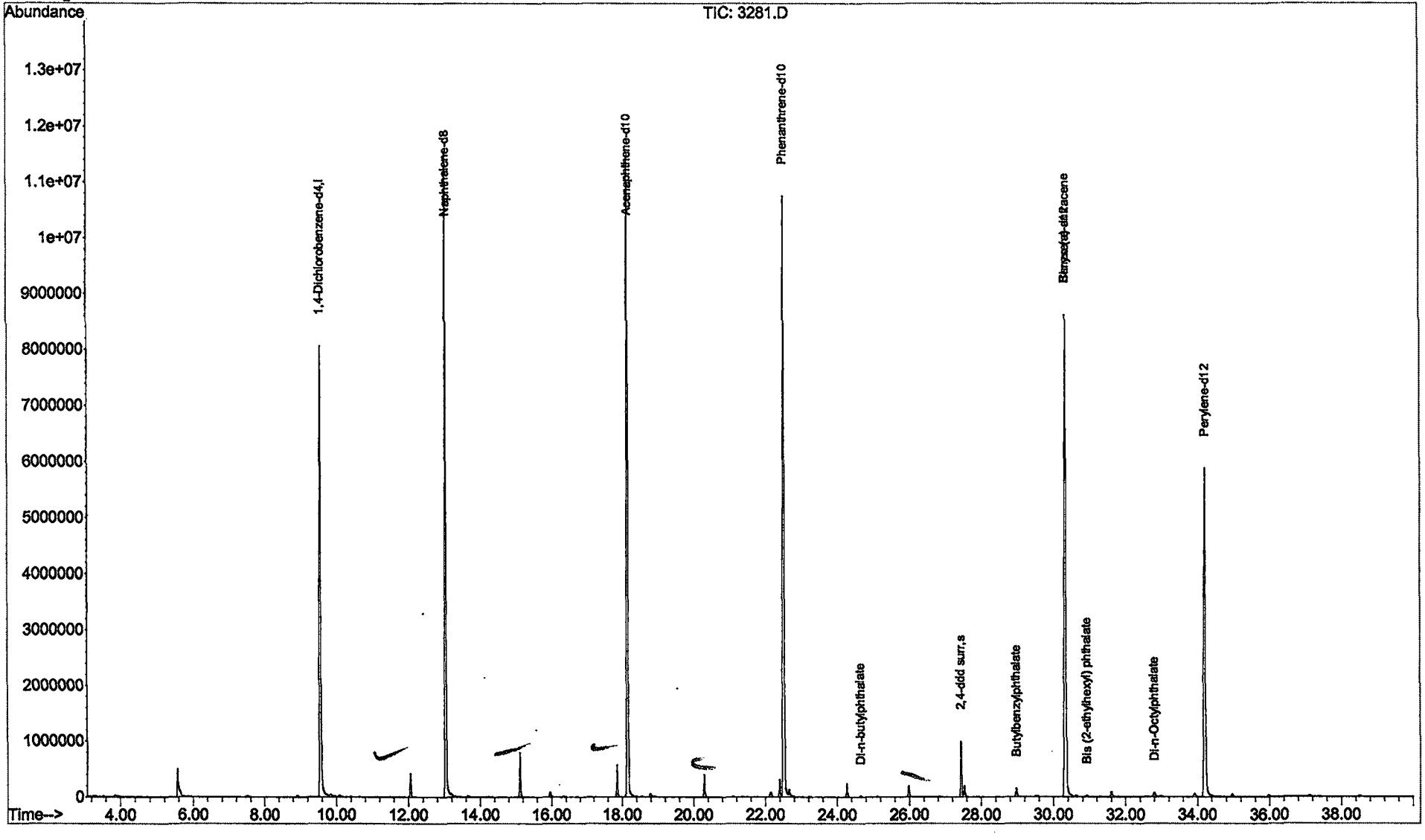
Quant Method : C:\MSDCHEM\1\5973N\5080302.M (RTE Integrator)
Title : Quantitation For Method 508gcscan
Last Update : Thu Mar 14 13:02:27 2002
Response via : Initial Calibration
DataAcq Meth : 508SCAN

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
3281.D 5080302.M Mon Mar 25 09:03:46 2002 Page 2

Data File : C:\MSDCHEM\1\DATA\031902\3281.D Vial: 35
Acq On : 21 Mar 2002 9:11 am Operator: McLean
Sample : 2/14/02 RE-INJ Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: BENZO.P
Quant Time: Mar 25 9:03 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\3281.D Vial: 35
Acq On : 21 Mar 2002 9:11 am Operator: McLean
Sample : 2/14/02 RE-INJ 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

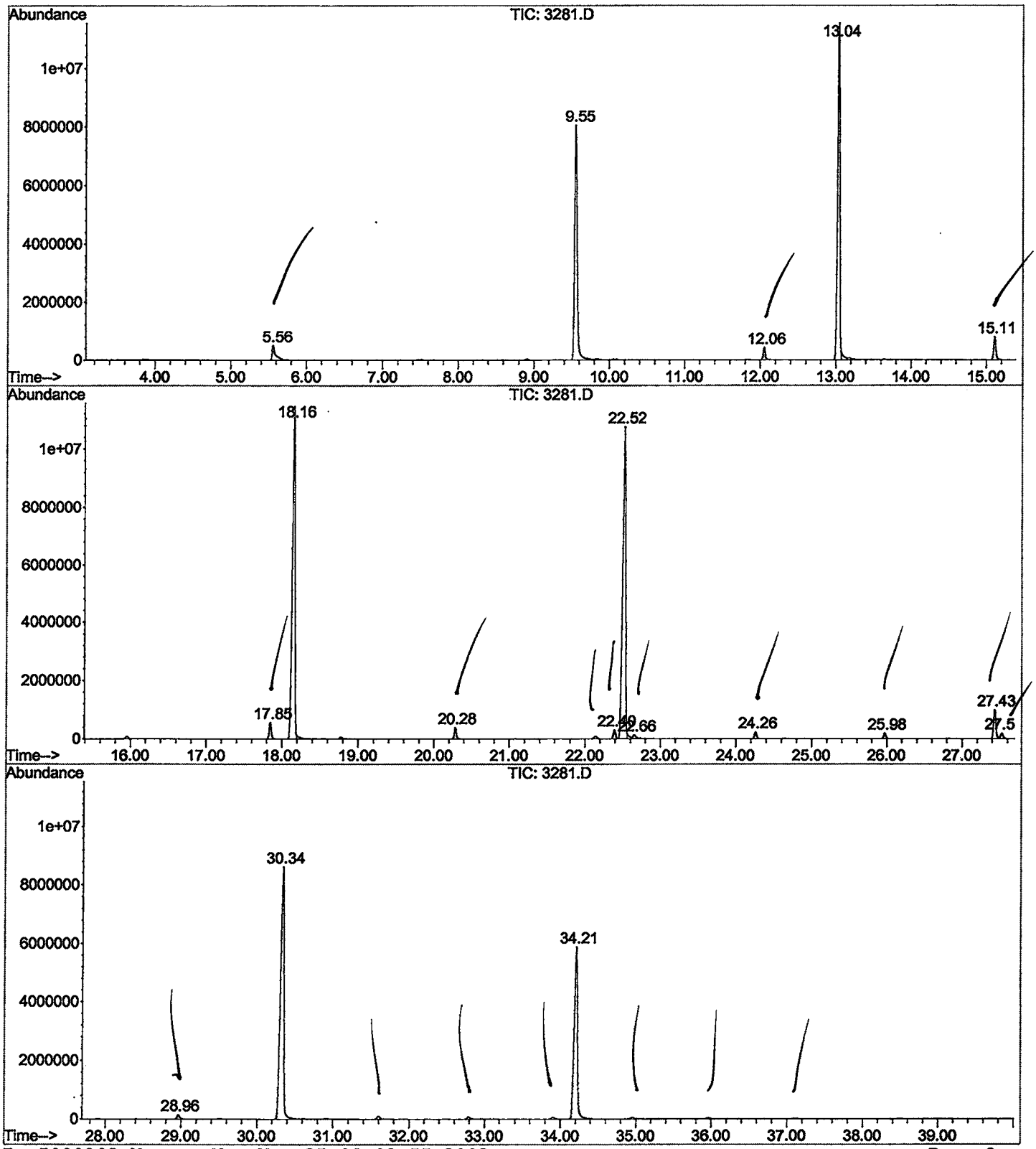
Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.561	271	274	295	rBV	499266	1478900	5.18%	0.947%
2	9.552	708	714	733	rBV	8057915	19840708	69.52%	12.710%
3	12.055	985	990	1005	rBV	417306	724294	2.54%	0.464%
4	13.044	1091	1099	1102	rBV	11558921	25663464	89.92%	16.440%
5	15.112	1322	1327	1337	rBV	793328	1440913	5.05%	0.923%
6	17.851	1624	1629	1640	rBV	567991	1058330	3.71%	0.678%
7	18.160	1654	1663	1667	rBV	11455340	27598612	96.70%	17.680%
8	20.282	1892	1897	1907	rBB	396476	769936	2.70%	0.493%
9	22.395	2124	2130	2135	rBV	310139	604098	2.12%	0.387%
10	22.522	2135	2144	2148	rBV2	10750630	28540506	100.00%	18.283%
11	22.659	2155	2159	2172	rVB	121901	340501	1.19%	0.218%
12	24.264	2331	2336	2345	rBV	236751	440914	1.54%	0.282%
13	25.978	2517	2525	2531	rBV	193430	394739	1.38%	0.253%
14	27.429	2680	2685	2692	rBV	990117	2048136	7.18%	1.312%
15	27.529	2692	2696	2702	rVB2	190813	408889	1.43%	0.262%
16	28.962	2848	2854	2869	rBV	149650	361971	1.27%	0.232%
17	30.341	2995	3006	3027	rBV2	8616039	26584769	93.15%	17.030%
18	34.214	3423	3433	3448	rBV2	5875603	17804203	62.38%	11.405%

Sum of corrected areas: 156103883

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\DATA\031902\3281.D
Operator : McLean
Acquired : 21 Mar 2002 9:11 am using AcqMethod 508SCAN
Instrument : Instrumen
Sample Name: 2/14/02 RE-INJ
Misc Info :
Vial Number: 35
Quant File :5080302.RES (RTE Integrator)



Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\031902\3281.D Vial: 35
Acq On : 21 Mar 2002 9:11 am Operator: McLean
Sample : 2/14/02 RE-INJ Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

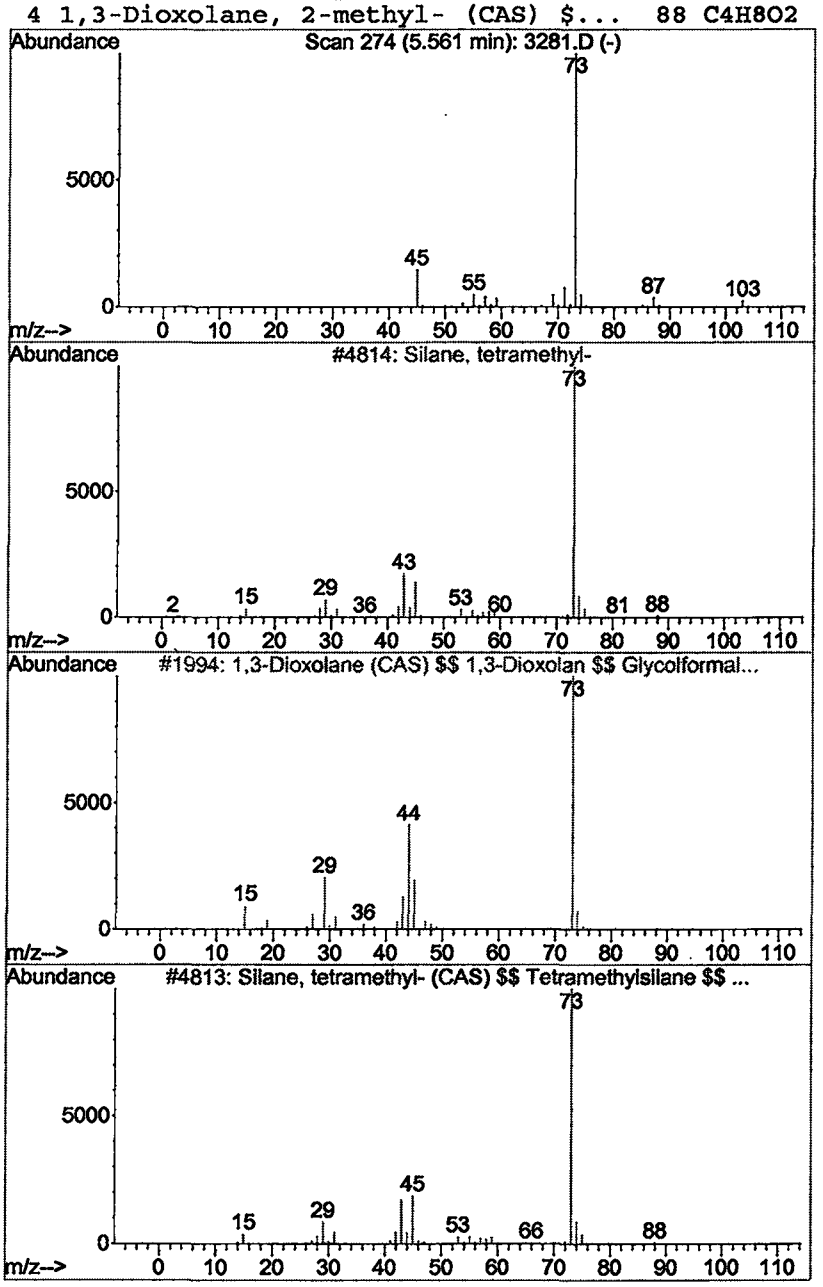
Quant Method : C:\MSDCHEM\1\5973N\5080302.M (RTE Integrator)
Title : Quantitation For Method 508gcscan
Library : C:\DATABASE\WILEY7N.L

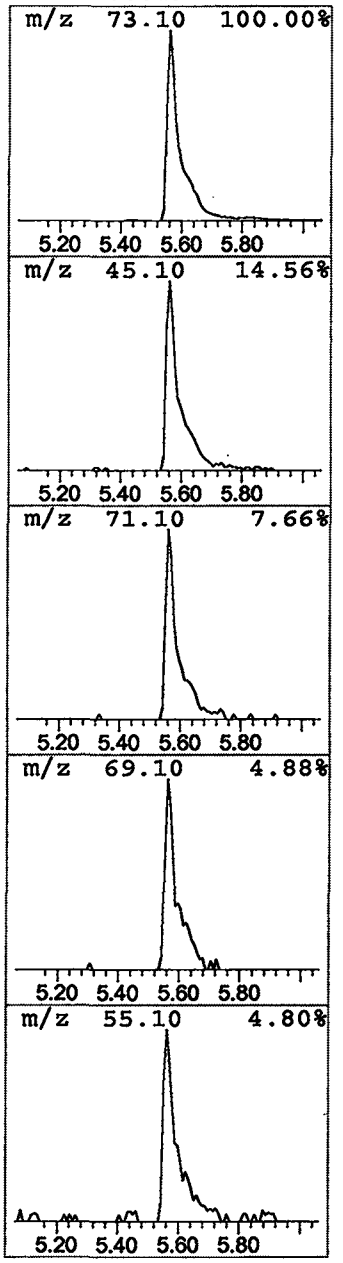
****

Peak Number 1 Silane, tetramethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.56	1.49 ug/L	1478900	1,4-Dichlorobenzene-d4	9.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Silane, tetramethyl-	88	C4H12Si	000075-76-3	38
2	1,3-Dioxolane (CAS) $$ 1,3-Dioxo...	74	C3H6O2	000646-06-0	9
3	Silane, tetramethyl- (CAS) $$ Te...	88	C4H12Si	000075-76-3	9
4	1,3-Dioxolane, 2-methyl- (CAS) $...	88	C4H8O2	000497-26-7	9





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\031902\3281.D Vial: 35
Acq On : 21 Mar 2002 9:11 am Operator: McLean
Sample : 2/14/02 RE-INJ Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

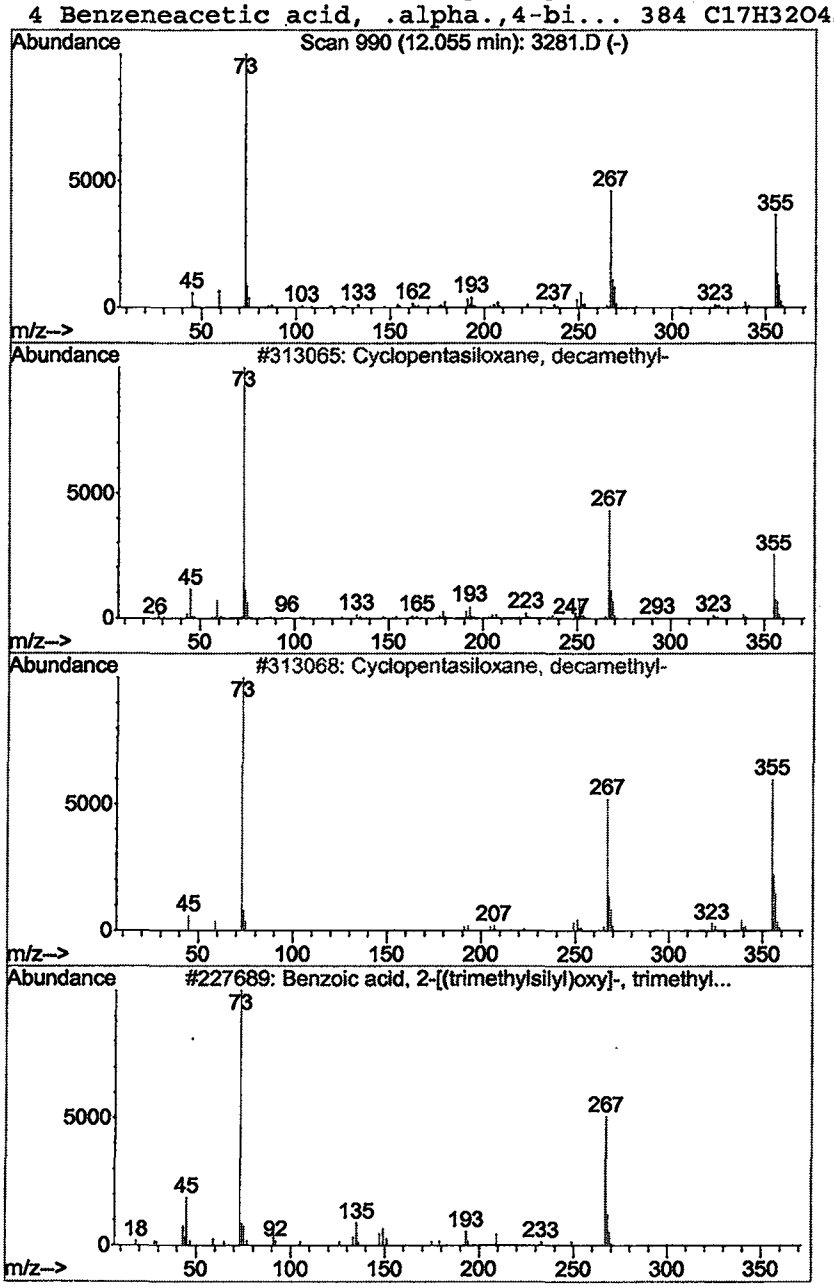
Quant Method : C:\MSDCHEM\1\5973N\5080302.M (RTE Integrator)
Title : Quantitation For Method 508gcscan
Library : C:\DATABASE\WILEY7N.L

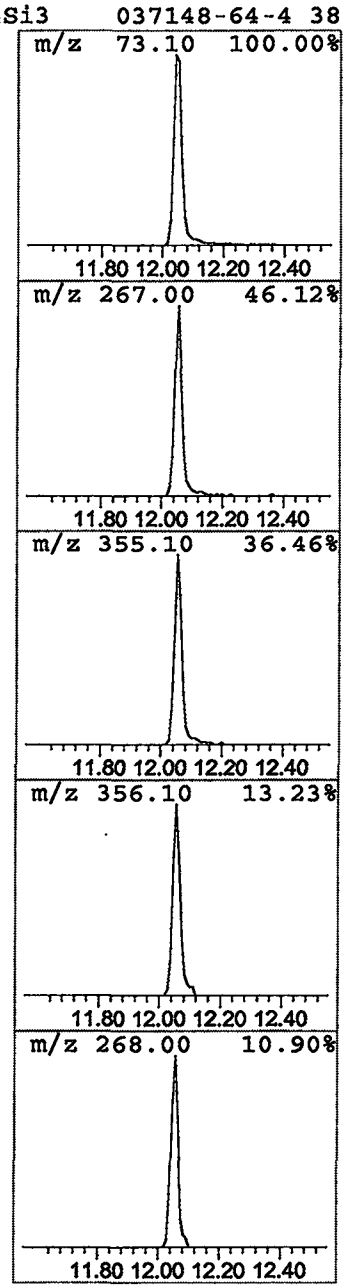
****

Peak Number 2 Cyclopentasiloxane, decamet... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.06	0.56 ug/L	724294	Naphthalene-d8	13.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentasiloxane, decamethyl-	370	C10H30O5Si5	000541-02-6	87
2	Cyclopentasiloxane, decamethyl-	370	C10H30O5Si5	000541-02-6	53
3	Benzoic acid, 2-[(trimethylsilyl...	282	C13H22O3Si2	003789-85-3	38
4	Benzeneacetic acid, .alpha.,4-bi...	384	C17H32O4Si3	037148-64-4	38





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\031902\3281.D Vial: 35
Acq On : 21 Mar 2002 9:11 am Operator: McLean
Sample : 2/14/02 RE-INJ Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

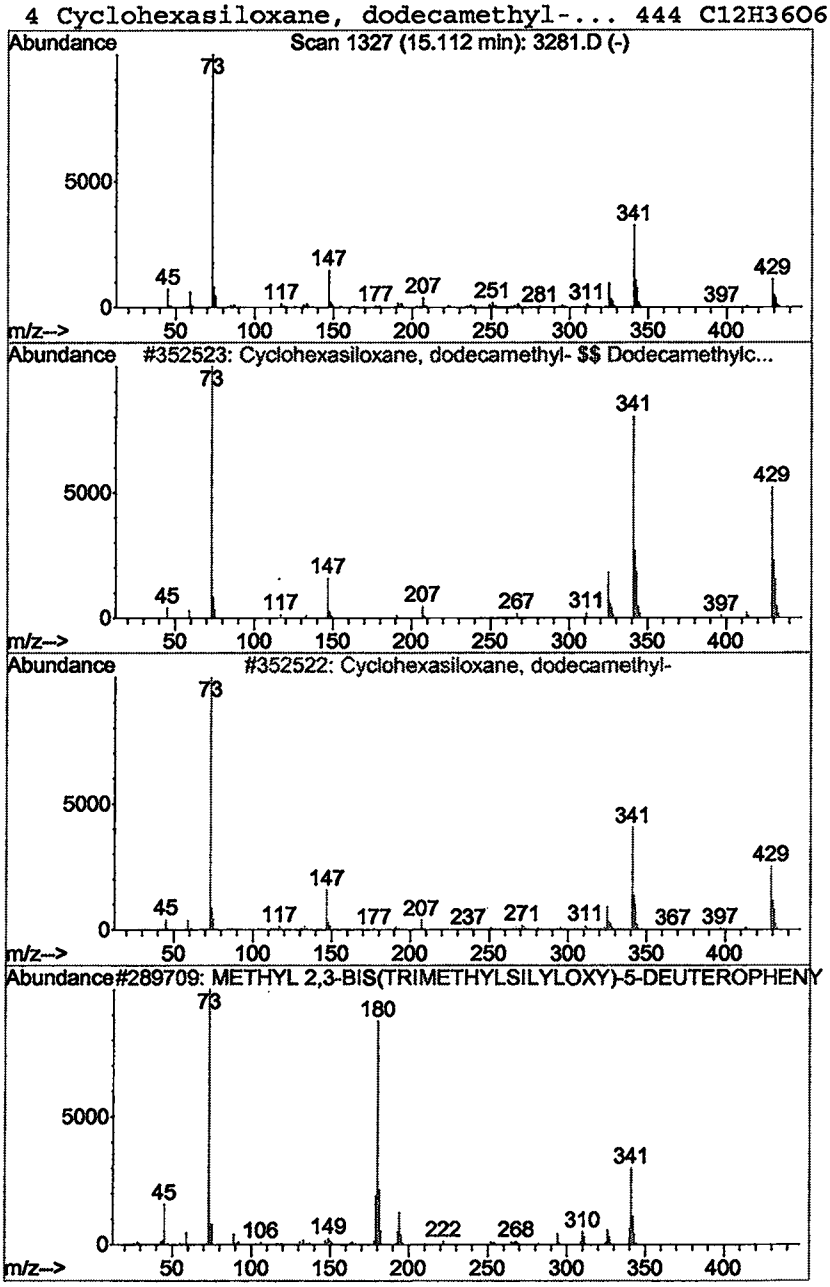
Quant Method : C:\MSDCHEM\1\5973N\5080302.M (RTE Integrator)
Title : Quantitation For Method 508gcscan
Library : C:\DATABASE\WILEY7N.L

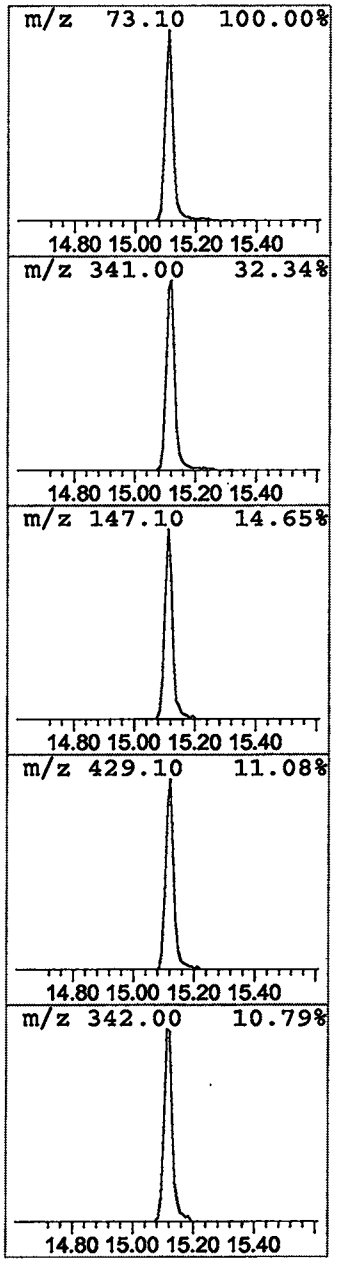
****

Peak Number 3 Cyclohexasiloxane, dodecame... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.11	1.12 ug/L	1440910	Naphthalene-d8	13.04

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	91
3	METHYL 2,3-BIS(TRIMETHYLSILYLOXY...	341	C16H27DO4Si2	000000-00-0	38
4	Cyclohexasiloxane, dodecamethyl-...	444	C12H36O6Si6	000540-97-6	37





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\031902\3281.D Vial: 35
Acq On : 21 Mar 2002 9:11 am Operator: McLean
Sample : 2/14/02 RE-INJ Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

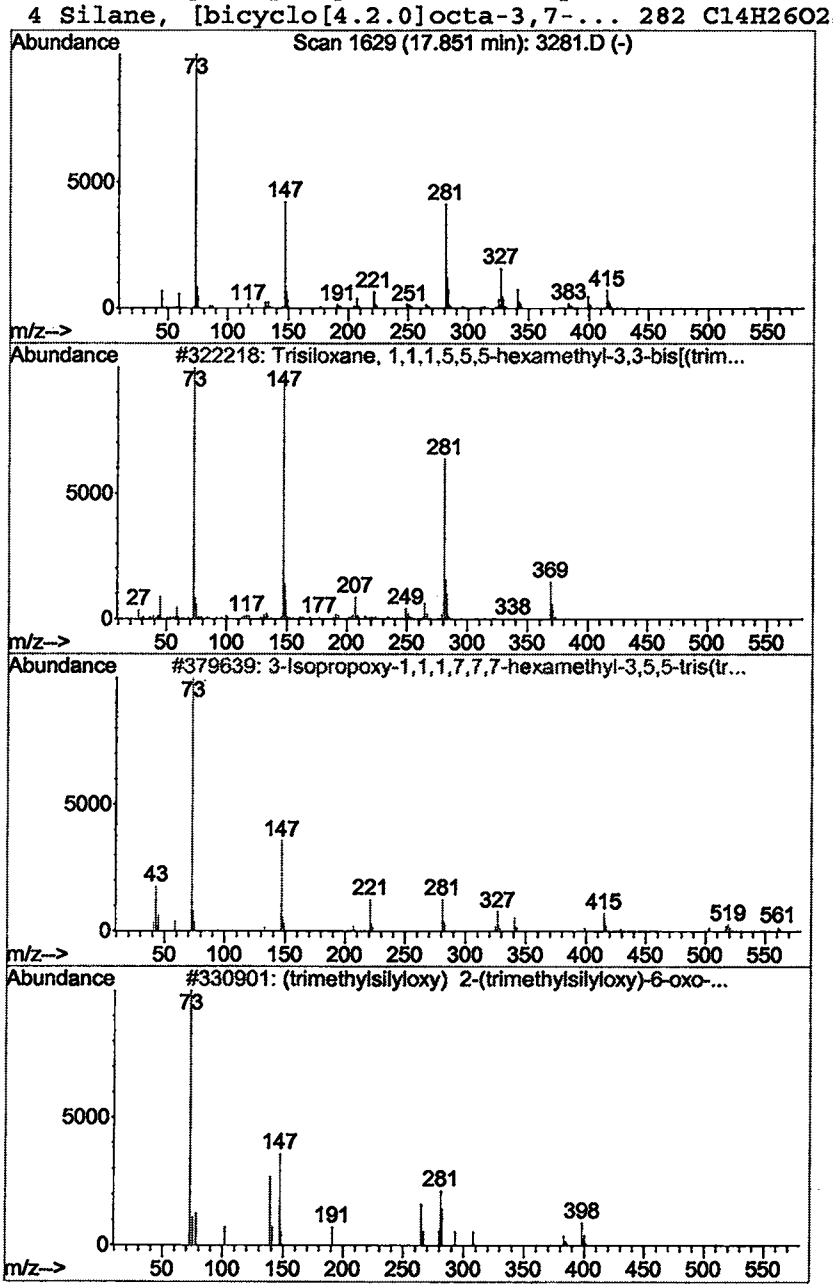
Quant Method : C:\MSDCHEM\1\5973N\5080302.M (RTE Integrator)
Title : Quantitation For Method 508gcscan
Library : C:\DATABASE\WILEY7N.L

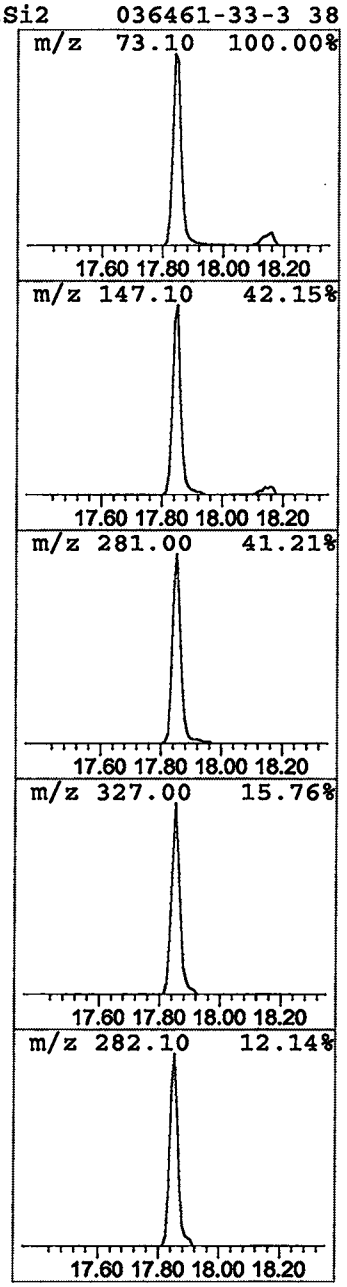
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.85	0.77 ug/L	1058330	Acenaphthene-d10	18.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Trisiloxane, 1,1,1,5,5,5-hexamet...	384	C12H36O4Si5	003555-47-3	43
2	3-Isopropoxy-1,1,1,7,7,7-hexamet...	576	C18H52O7Si7	071579-69-6	40
3	(trimethylsilyloxy) 2-(trimethy...	398	C18H27ClO4Si2	000000-00-0	38
4	Silane, [bicyclo[4.2.0]octa-3,7-...	282	C14H26O2Si2	036461-33-3	38





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\031902\3281.D Vial: 35
Acq On : 21 Mar 2002 9:11 am Operator: McLean
Sample : 2/14/02 RE-INJ Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

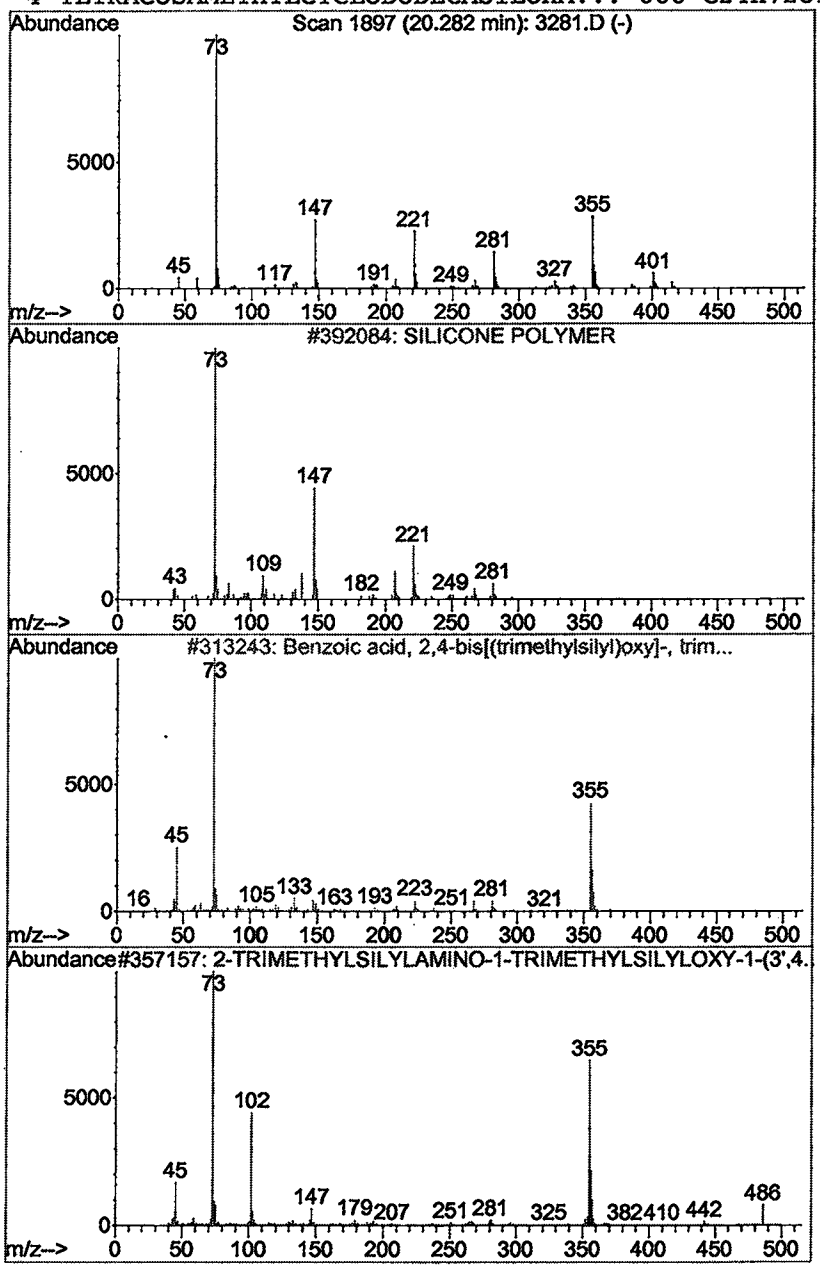
Quant Method : C:\MSDCHEM\1\5973N\5080302.M (RTE Integrator)
Title : Quantitation For Method 508gcscan
Library : C:\DATABASE\WILEY7N.L

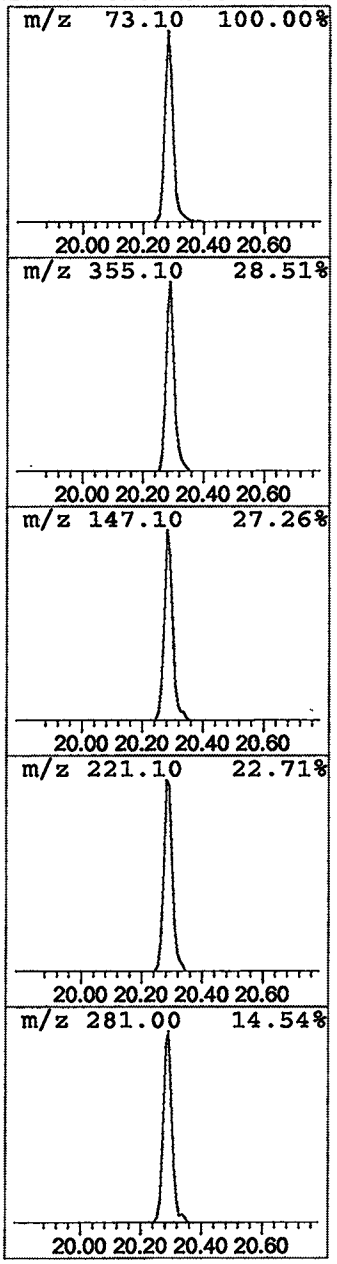
****

Peak Number 5 SILICONE POLYMER Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.28	0.56 ug/L	769936	Acenaphthene-d10	18.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	SILICONE POLYMER	458	C14H42O5Si6	000000-00-0	38
2	Benzoic acid, 2,4-bis[(trimethyl...	370	C16H30O4Si3	010586-16-0	37
3	2-TRIMETHYLSILYLAMINO-1-TRIMETHY...	457	C20H43NO3Si4	068595-65-3	35
4	TETRACOSAMETHYLCYCLODODECASILOXA...	888	C24H72O12Si12	018919-94-3	35





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\031902\3281.D Vial: 35
Acq On : 21 Mar 2002 9:11 am Operator: McLean
Sample : 2/14/02 RE-INJ Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

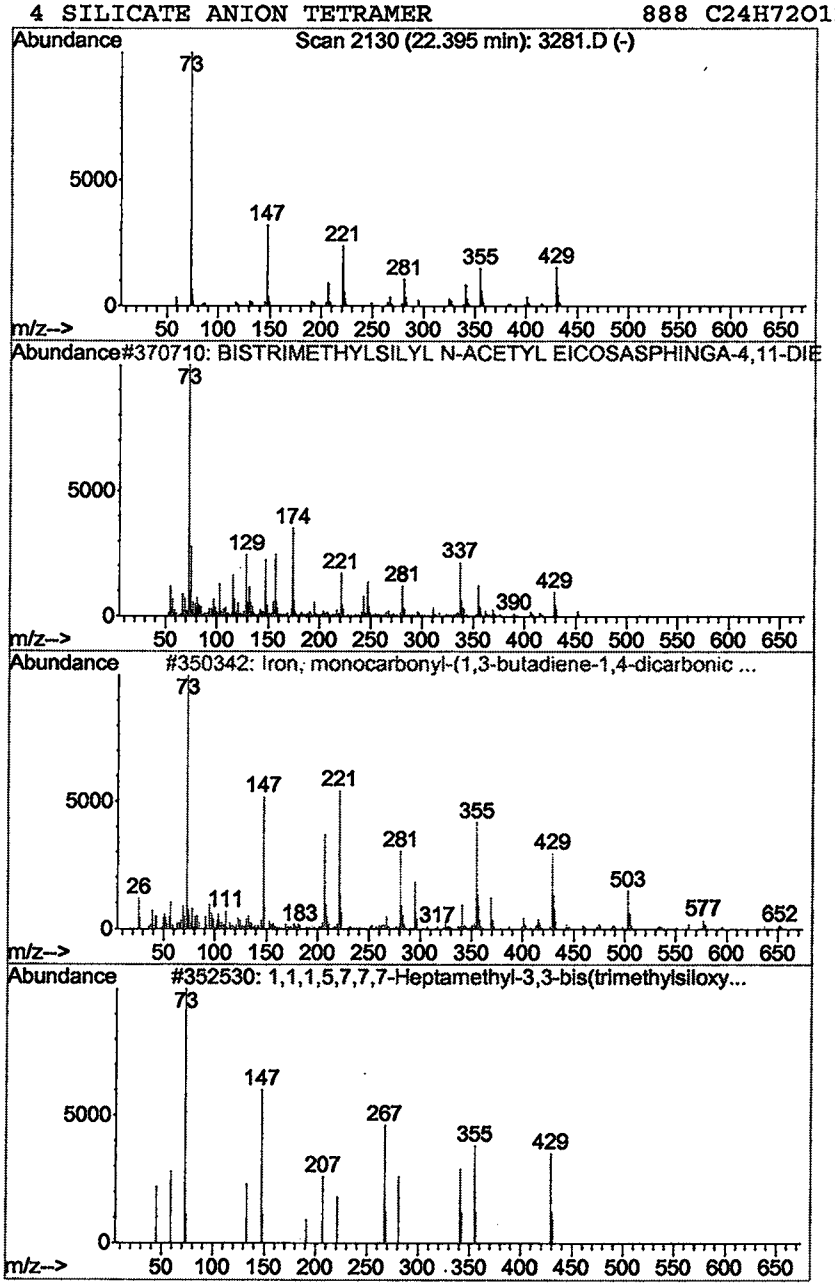
Quant Method : C:\MSDCHEM\1\5973N\5080302.M (RTE Integrator)
Title : Quantitation For Method 508gcscan
Library : C:\DATABASE\WILEY7N.L

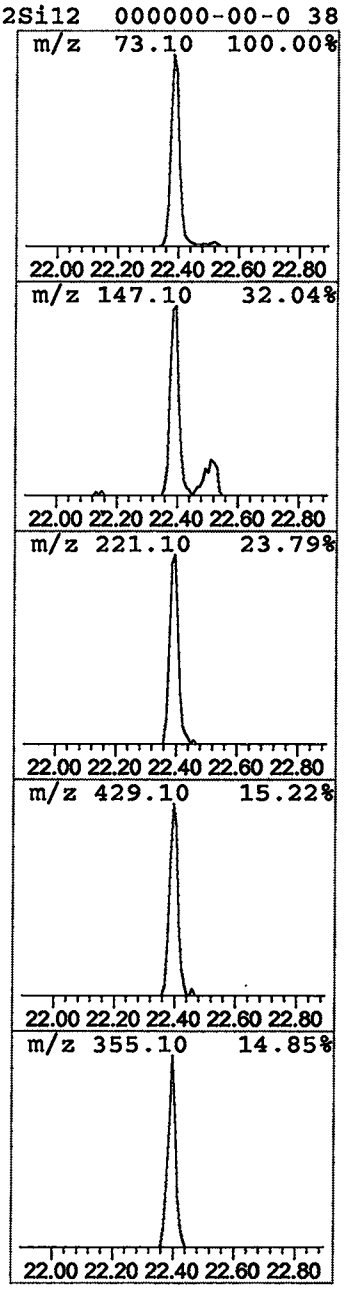
****

Peak Number 6 BISTRIMETHYLSILYL N-ACETYL ... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.40	0.42 ug/L	604098	Phenanthrene-d10	22.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	BISTRIMETHYLSILYL N-ACETYL EICOS...	511	C28H57NO3Si2	000000-00-0	64
2	Iron, monocarbonyl-(1,3-butadien...	438	C21H22FeN2O5	109007-87-6	56
3	1,1,1,5,7,7,7-Heptamethyl-3,3-bi...	444	C13H40O5Si6	038147-00-1	40
4	SILICATE ANION TETRAMER	888	C24H72O12Si12	000000-00-0	38





Tentatively Identified Compound (LSC) summary

Operator ID: McLean Date Acquired: 21 Mar 2002 9:11 am
Data File: C:\MSDCHEM\1\DATA\031902\3281.D
Name: 2/14/02 RE-INJ
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
Silane, tetramethyl-	5.56	1.5	ug/L	1478900	1	9.55	19840700	20.0
Cyclopentasiloxan...	12.06	0.6	ug/L	724294	2	13.04	25663500	20.0
Cyclohexasiloxane...	15.11	1.1	ug/L	1440910	2	13.04	25663500	20.0
Trisiloxane, 1,1,...	17.85	0.8	ug/L	1058330	3	18.16	27598600	20.0
SILICONE POLYMER	20.28	0.6	ug/L	769936	3	18.16	27598600	20.0
BISTRIMETHYLSILYL...	22.40	0.4	ug/L	604098	4	22.52	28540500	20.0