User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 03/29/2002 Time: 08:26:25

Sample: AE03282
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 3/29/02 08:25 Ended: 3/29/02 08:25 Analyst: DLV
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr_2,4-DDD		108		5.0

Comments for Sample AE03282 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 03-29-2002 Time: 08:26:29

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\3282.D Vial: 36
Acq On : 21 Mar 2002 11:07 am Operator: McLean
Sample : 2/14/02 RE-INJ Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: BENZO.P
Quant Time: Mar 25 09:04:16 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	3929317	20.00	ug/L	0.00
10) Naphthalene-d8	13.04	136	10214066	20.00	ug/L	0.00
17) Acenaphthene-d10	18.15	164	5654734	20.00	ug/L	0.00
29) Phenanthrene-d10	22.51	188	8760528	20.00	ug/L	0.02
38) Chrysene-d12	30.33	240	7398980	20.00	ug/L	0.00
44) Perylene-d12	34.21	264	4126554	20.00	ug/L	0.02
System Monitoring Compounds						
37) 2,4-ddd surr	27.44	235	295084	2.82	ug/L	0.00
Spiked Amount 5.000			Recovery = 56.40%			
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.		
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	25635	0.06	ug/L	97
36) Fluoranthene	0.00	202	0	N.D.		
39) Pyrene	0.00	202	0	N.D.		
40) Butylbenzylphthalate	28.95	149	3271	0.01	ug/L #	16
41) Benzo (a) antracene	30.33	228	18131	0.05	ug/L	63
42) Bis (2-ethylhexyl) phthala	30.91	149	11407	0.04	ug/L	89
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
3282.D 5080302.M Mon Mar 25 09:04:56 2002 Page 1

5.4 | 5
= 108%

Quantitation Report (QT Reviewed)

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Acq On : 21 Mar 2002 11:07 am Operator: McLean
Sample : 2/14/02 RE-INJ Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: BENZO.P
Quant Time: Mar 25 09:04:16 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
3282.D 5080302.M Mon Mar 25 09:04:57 2002 Page 2

Data File : C:\MSDCHEM\1\DATA\031902\3282.D Vial: 36
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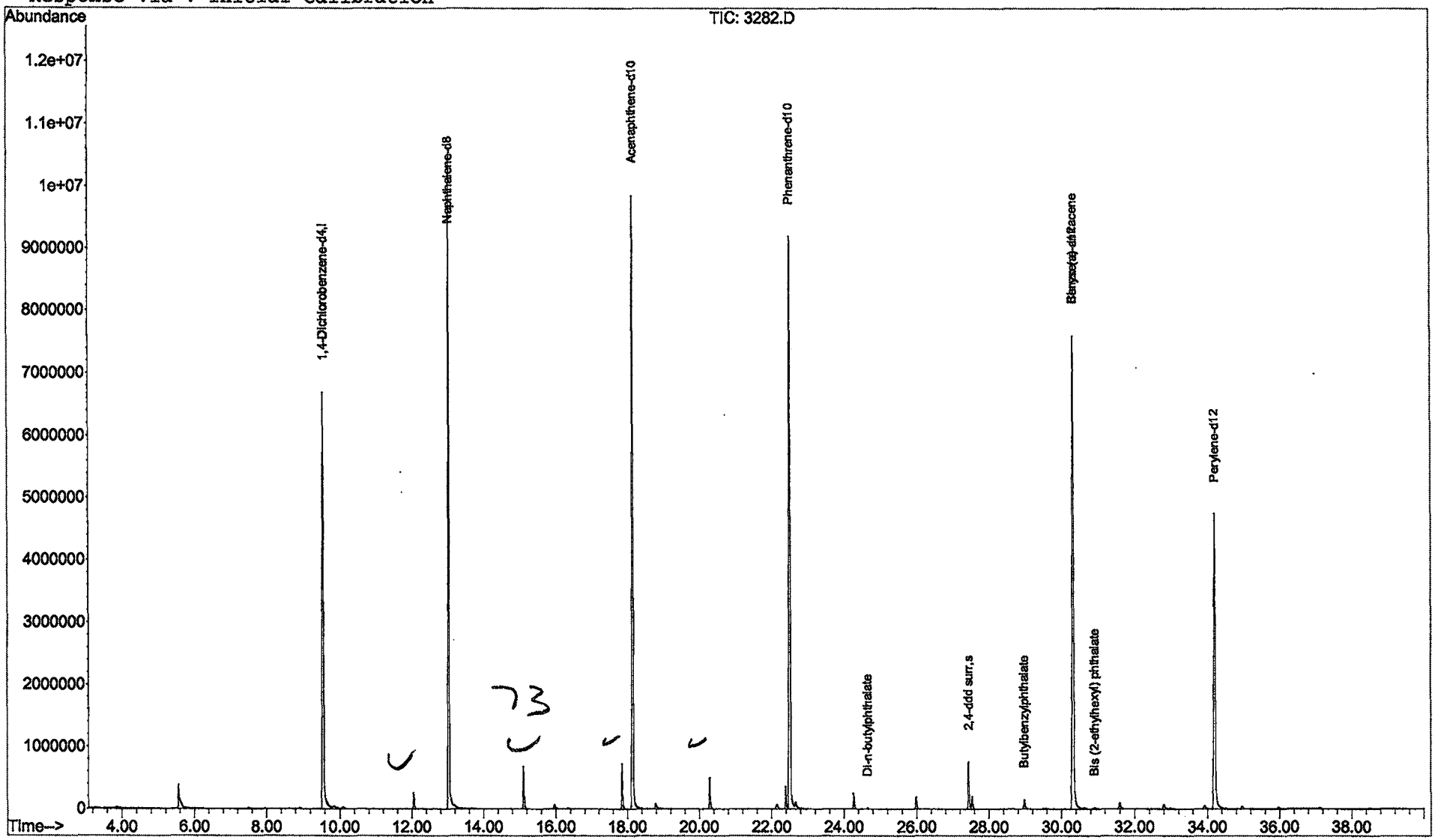
Misc : Multiplr: 1.00
MS Integration Params: BENZO.P
Quant Time: Mar 25 9:04 2002 Quant Results File: 5080302.RES

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\3282.D Vial: 36
Acq On : 21 Mar 2002 11:07 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

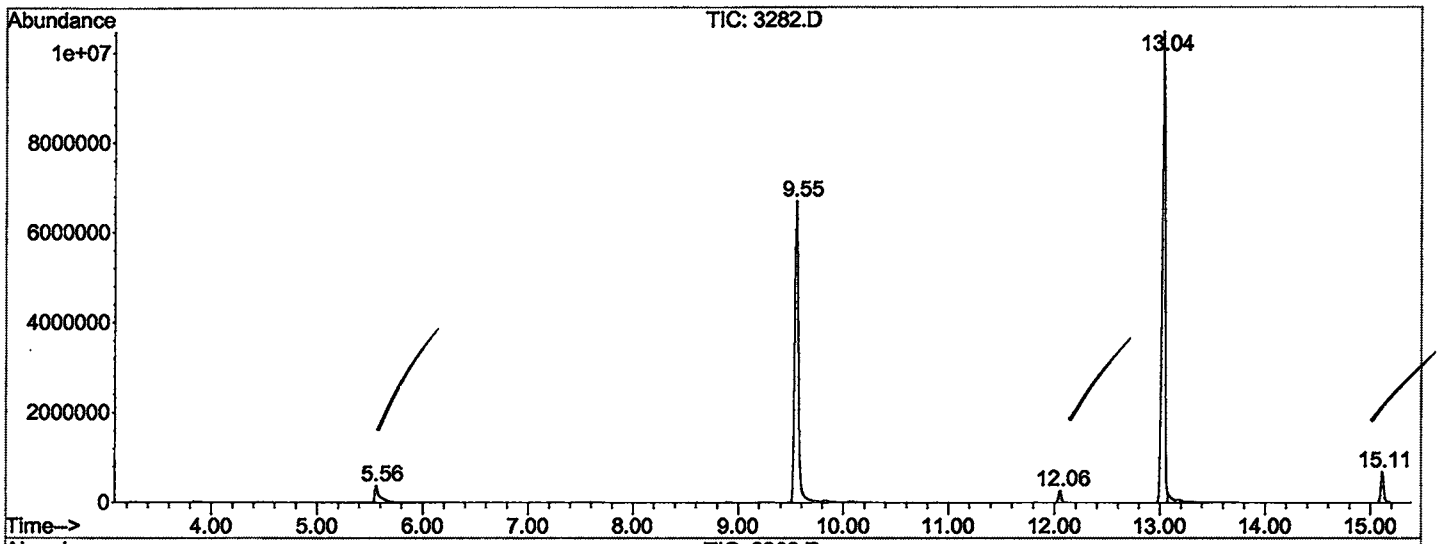
Signal : TIC

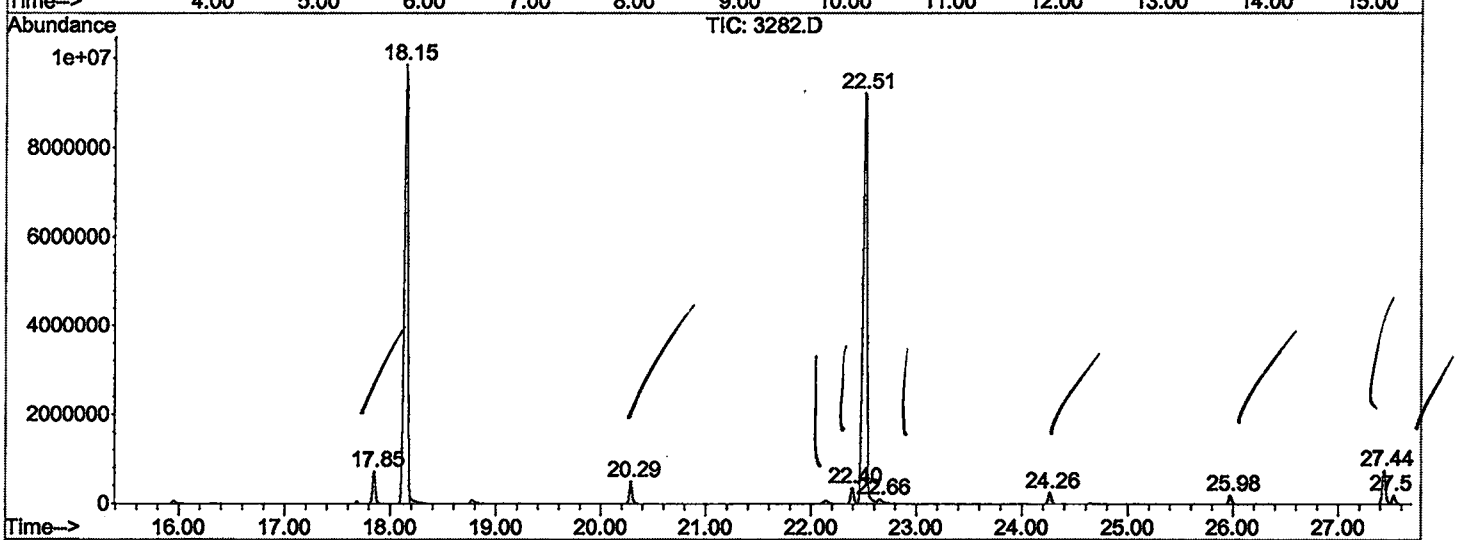
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.561	271	274	294	rBV	376634	1141757	4.72%	0.872%
2	9.552	708	714	732	rBV	6695008	16715397	69.08%	12.759%
3	12.056	985	990	999	rBV	261108	466649	1.93%	0.356%
4	13.035	1091	1098	1102	rBV	10462368	21644331	89.45%	16.521%
5	15.112	1322	1327	1337	rBV2	682335	1252705	5.18%	0.956%
6	17.851	1624	1629	1641	rBV	723391	1291765	5.34%	0.986%
7	18.151	1654	1662	1666	rBV	9850557	23256875	96.12%	17.752%
8	20.291	1892	1898	1909	rBB	499019	978342	4.04%	0.747%
9	22.396	2124	2130	2135	rBV2	356539	698750	2.89%	0.533%
10	22.514	2135	2143	2155	rVV2	9200477	24196335	100.00%	18.469%
11	22.659	2155	2159	2176	rVB	100924	345802	1.43%	0.264%
12	24.264	2330	2336	2345	rBB	251820	480249	1.98%	0.367%
13	25.978	2520	2525	2532	rBV2	191504	399771	1.65%	0.305%
14	27.439	2680	2686	2692	rBV	750899	1583219	6.54%	1.208%
15	27.529	2692	2696	2707	rVB	199831	428772	1.77%	0.327%
16	28.962	2848	2854	2866	rBV2	148787	357129	1.48%	0.273%
17	30.332	2996	3005	3028	rBV2	7600745	21891325	90.47%	16.710%
18	31.602	3137	3145	3154	rBV2	98119	280468	1.16%	0.214%
19	34.205	3423	3432	3449	rBV2	4745911	13597853	56.20%	10.379%

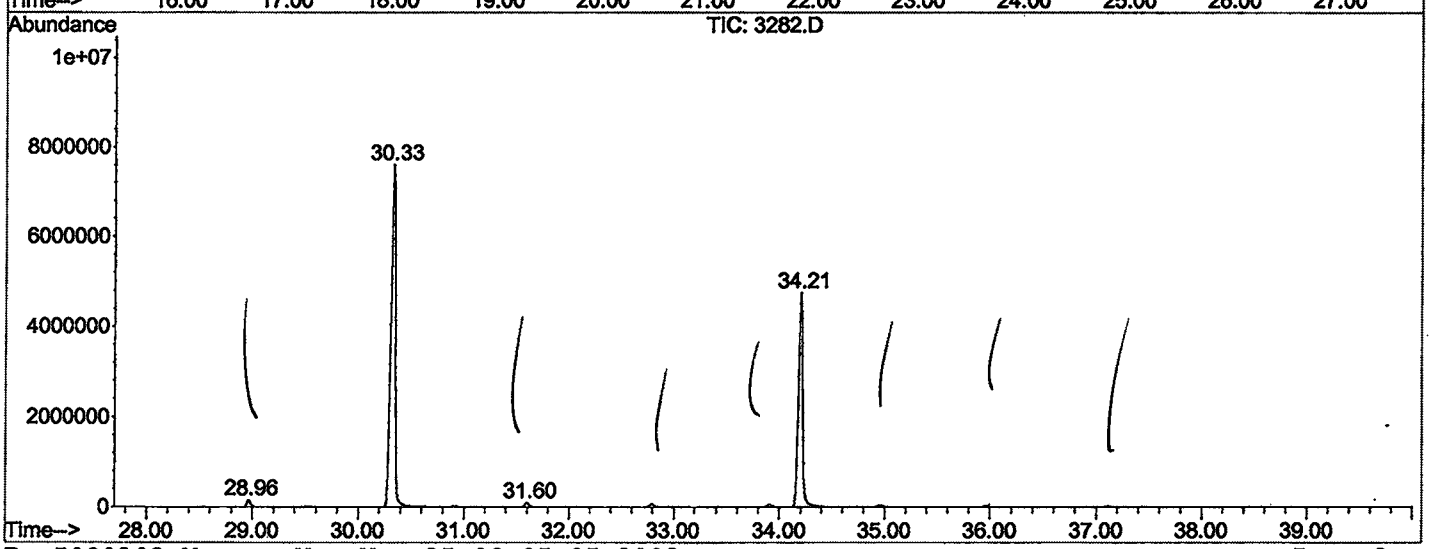
Sum of corrected areas: 131007494

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\DATA\031902\3282.D
Operator : McLean
Acquired : 21 Mar 2002 11:07 am using AcqMethod 508SCAN
Instrument : Instrumen
Sample Name: 2/14/02 RE-INJ
Misc Info :
Vial Number: 36
Quant File :5080302.RES (RTE Integrator)







Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\031902\3282.D Vial: 36
Acq On : 21 Mar 2002 11:07 am Operator: McLean
Sample : 2/14/02 RE-INJ Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

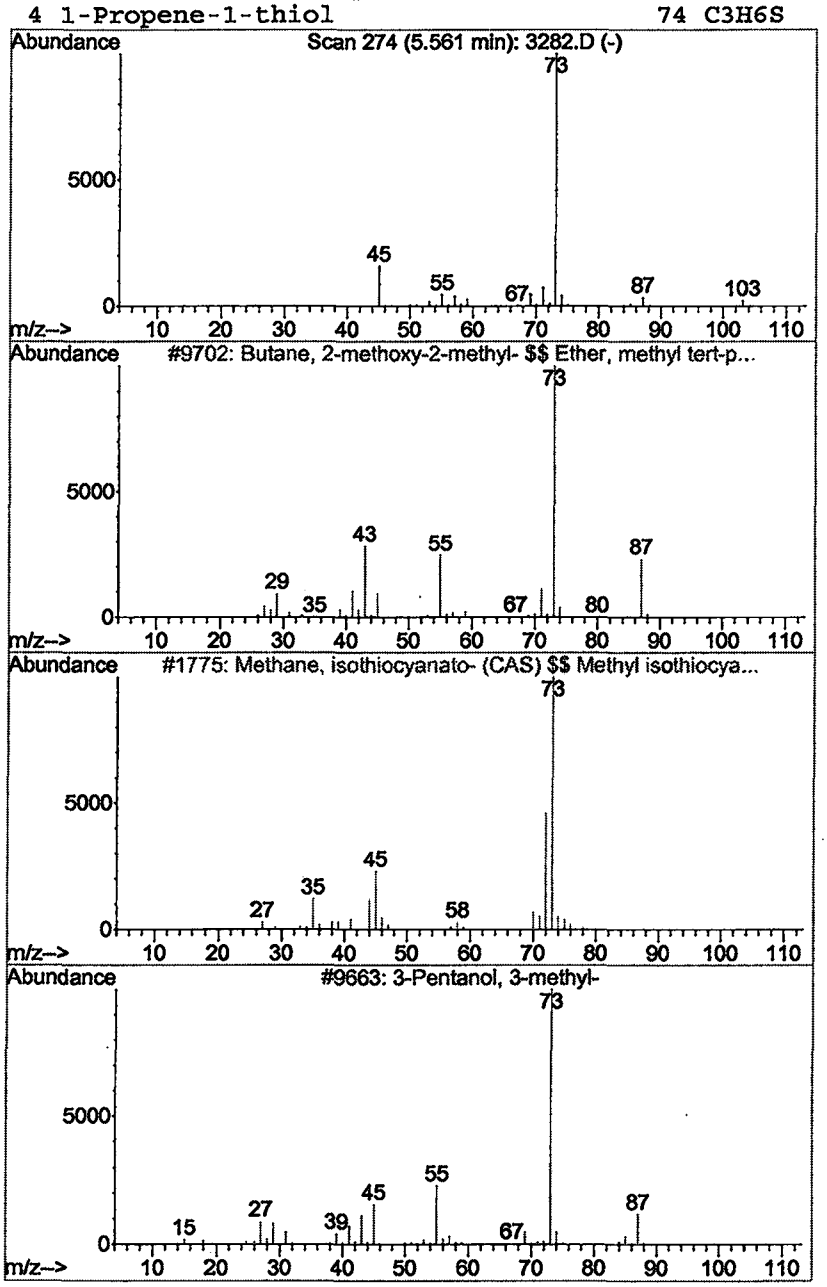
Quant Method : C:\MSDCHEM\1\5973N\5080302.M (RTE Integrator)
Title : Quantitation For Method 508gcscan
Library : C:\DATABASE\WILEY7N.L

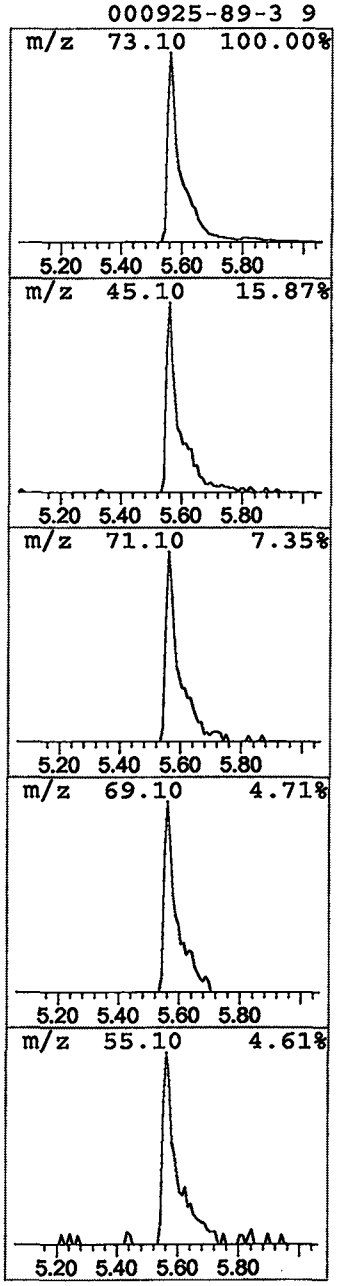
****

Peak Number 1 Butane, 2-methoxy-2-methyl-... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.56	1.37 ug/L	1141760	1,4-Dichlorobenzene-d4	9.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl- $$ E...	102	C6H14O	000994-05-8	36
2	Methane, isothiocyanato- (CAS) $...	73	C2H3NS	000556-61-6	9
3	3-Pentanol, 3-methyl-	102	C6H14O	000077-74-7	9
4	1-Propene-1-thiol	74	C3H6S	000925-89-3	9





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Sample : 2/14/02 RE-INJ Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

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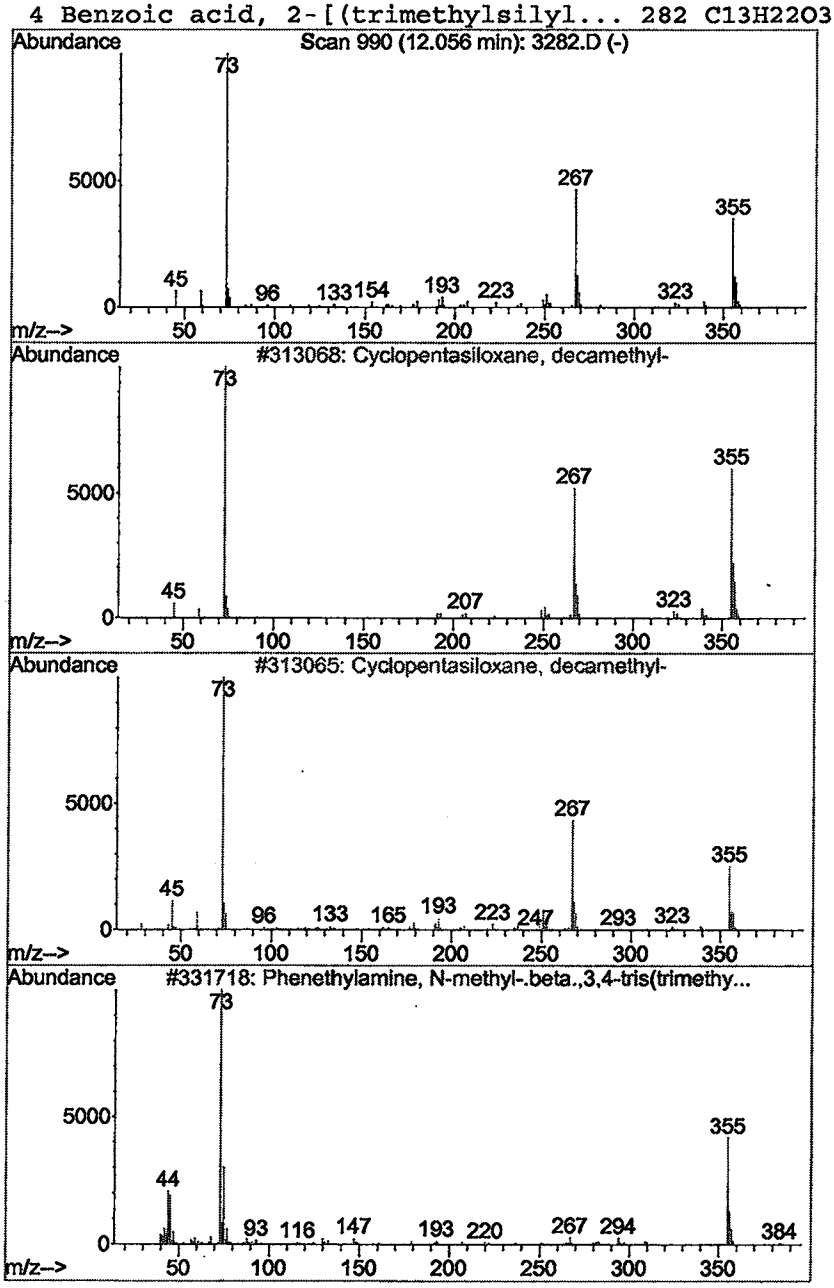
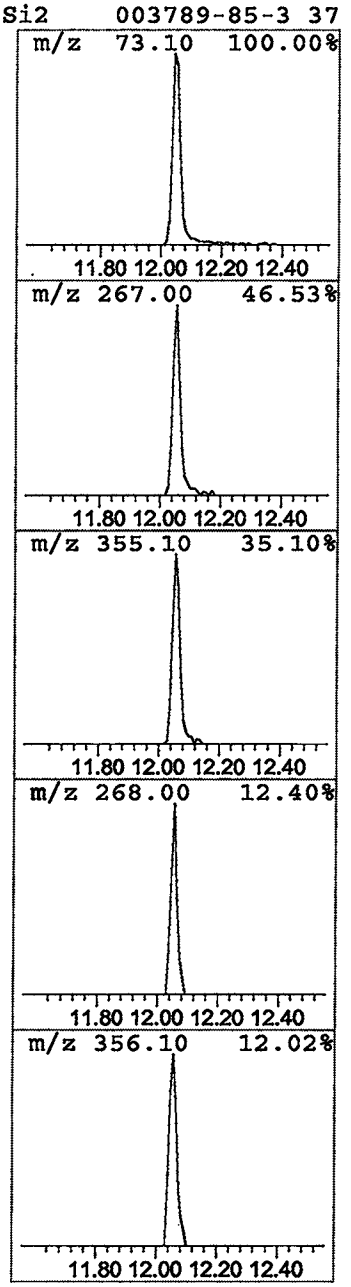
****

Peak Number 2 Cyclopentasiloxane, decamet... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.06	0.43 ug/L	466649	Naphthalene-d8	13.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentasiloxane, decamethyl-	370	C10H30O5Si5	000541-02-6	90
2	Cyclopentasiloxane, decamethyl-	370	C10H30O5Si5	000541-02-6	86
3	Phenethylamine, N-methyl-.beta.,...	399	C18H37NO3Si3	010538-85-9	38
4	Benzoic acid, 2-[(trimethylsilyl...	282	C13H22O3Si2	003789-85-3	37





Library Search Compound Report

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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
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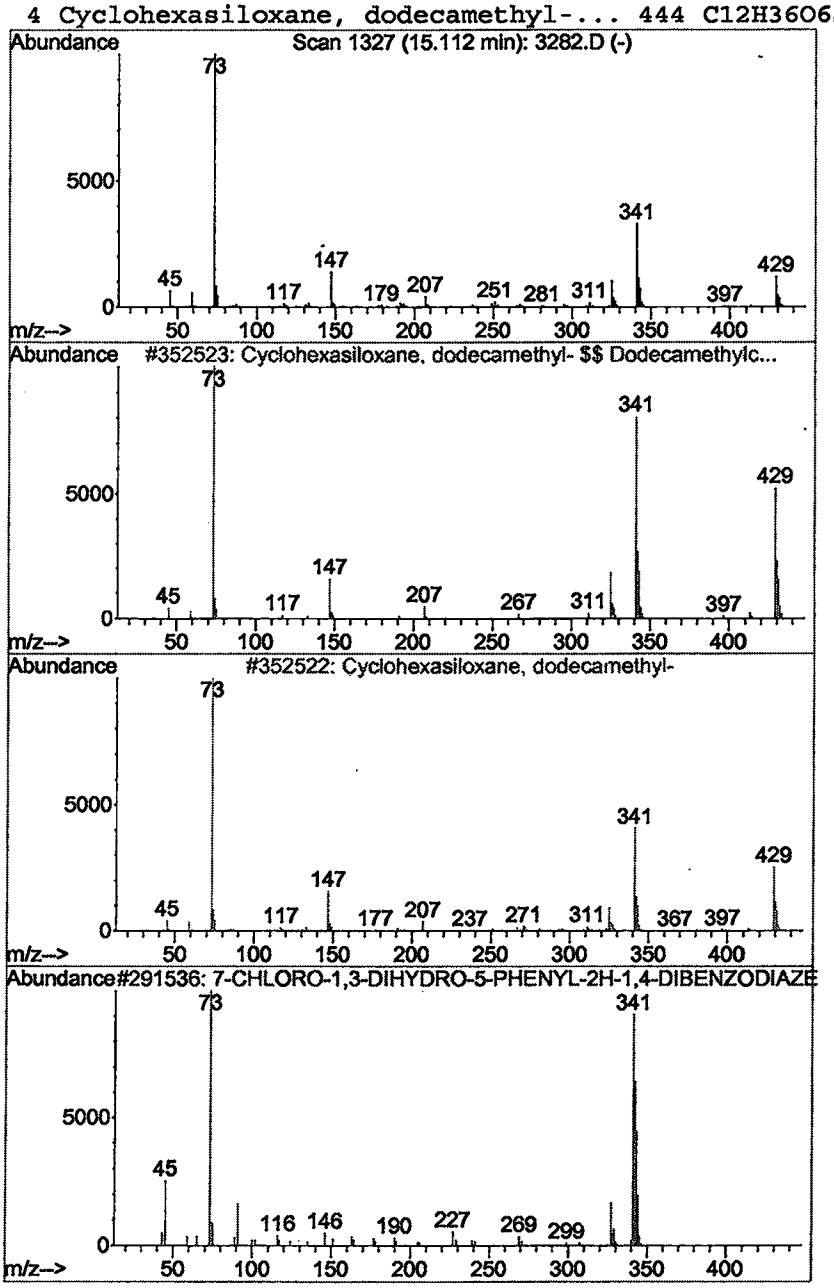
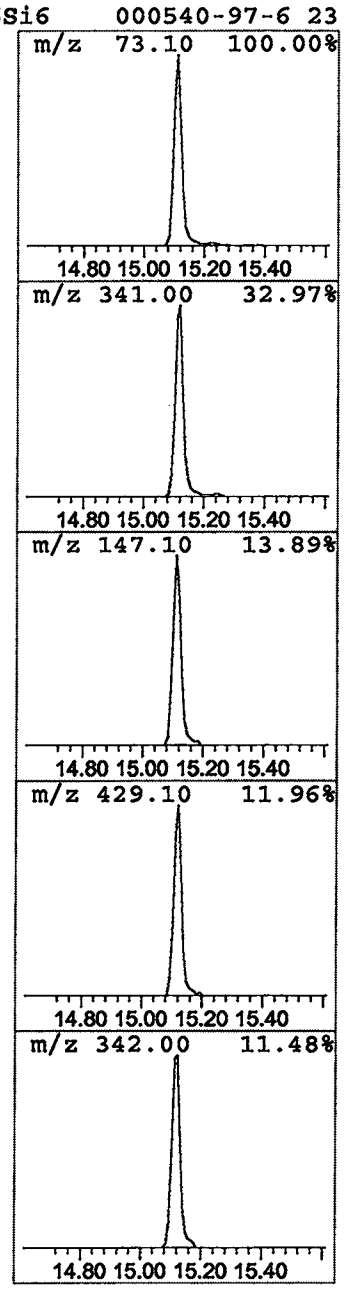
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.11	1.16 ug/L	1252710	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	7-CHLORO-1,3-DIHYDRO-5-PHENYL-2H...	342	C18H19ClN2OSi	000000-00-0	27
4	Cyclohexasiloxane, dodecamethyl-...	444	C12H36O6Si6	000540-97-6	23





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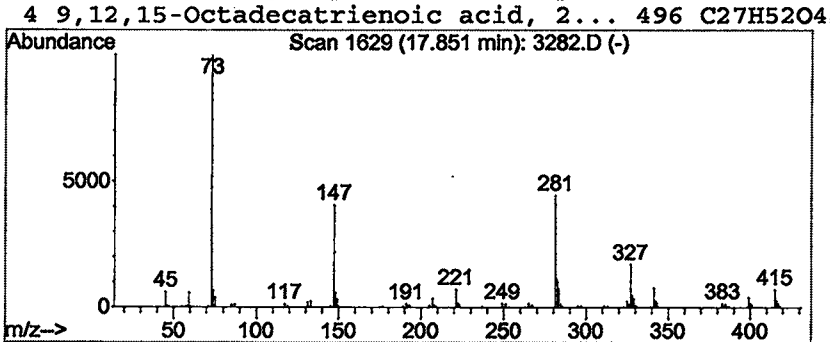
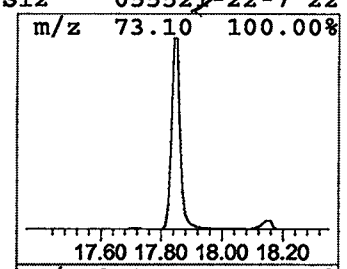
****

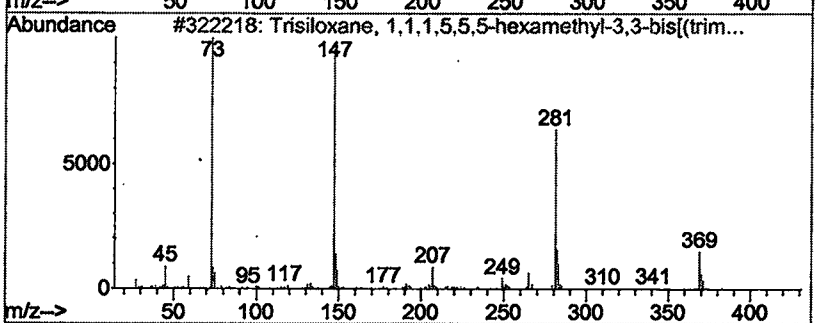
Peak Number 4 Trisiloxane, 1,1,1,5,5,5-he... Concentration Rank 3

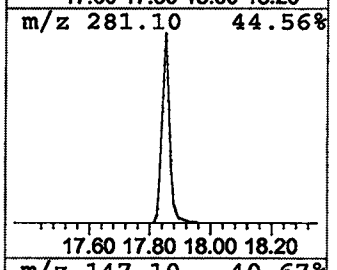
R.T.	EstConc	Area	Relative to ISTD	R.T.
17.85	1.11 ug/L	1291770	Acenaphthene-d10	18.15

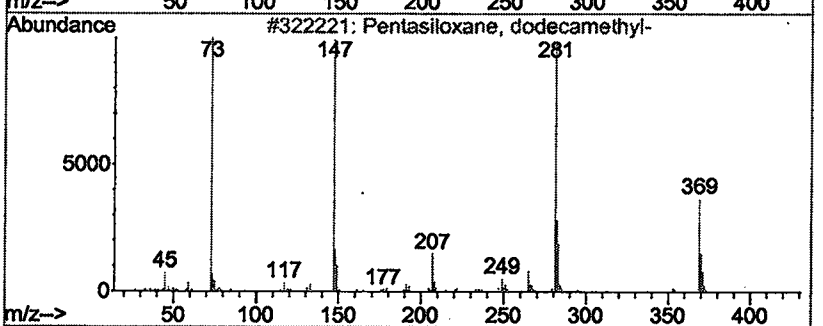
Hit# of 5	Tentative ID.	MW	MolForm	CAS#	Qual
1	Trisiloxane, 1,1,1,5,5,5-hexamet...	384	C12H36O4Si5	003555-47-3	50
2	Pentasiloxane, dodecamethyl-	384	C12H36O4Si5	000141-63-9	38
3	(trimethylsilyloxy) 2-(trimethy...	398	C18H27ClO4Si2	000000-00-0	23
4	9,12,15-Octadecatrienoic acid, 2...	496	C27H52O4Si2	055521-22-7	22

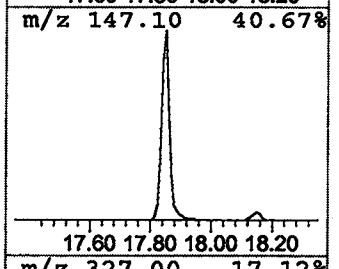


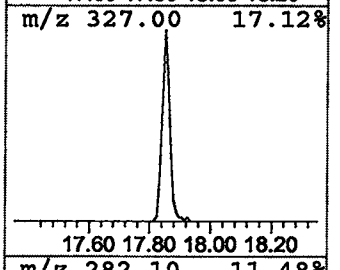


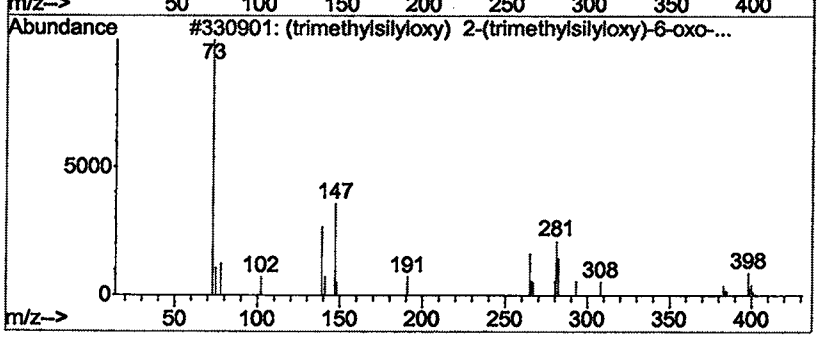


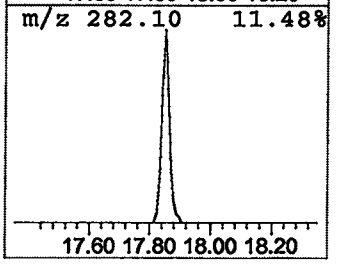












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Acq On : 21 Mar 2002 11:07 am Operator: McLean
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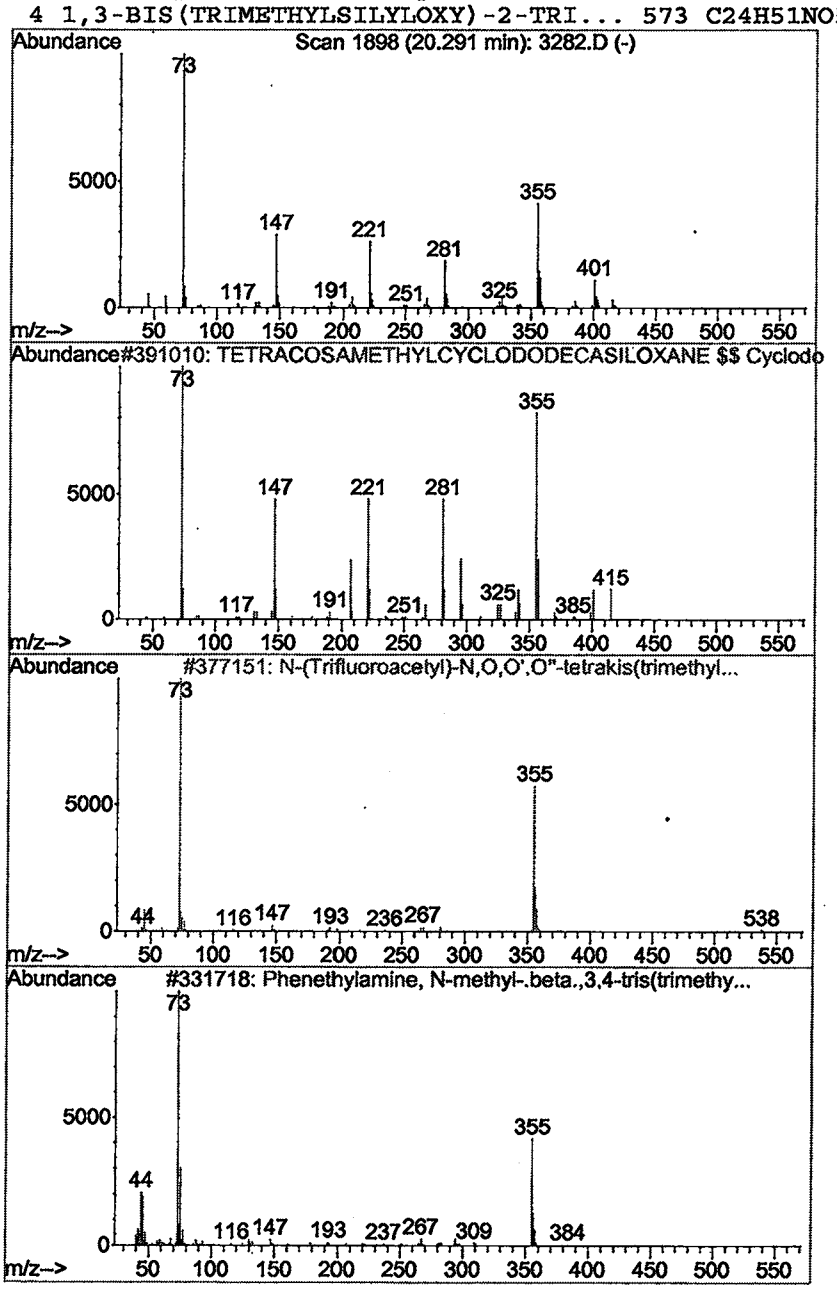
Quant Method : C:\MSDCHEM\1\5973N\5080302.M (RTE Integrator)
Title : Quantitation For Method 508gcscan
Library : C:\DATABASE\WILEY7N.L

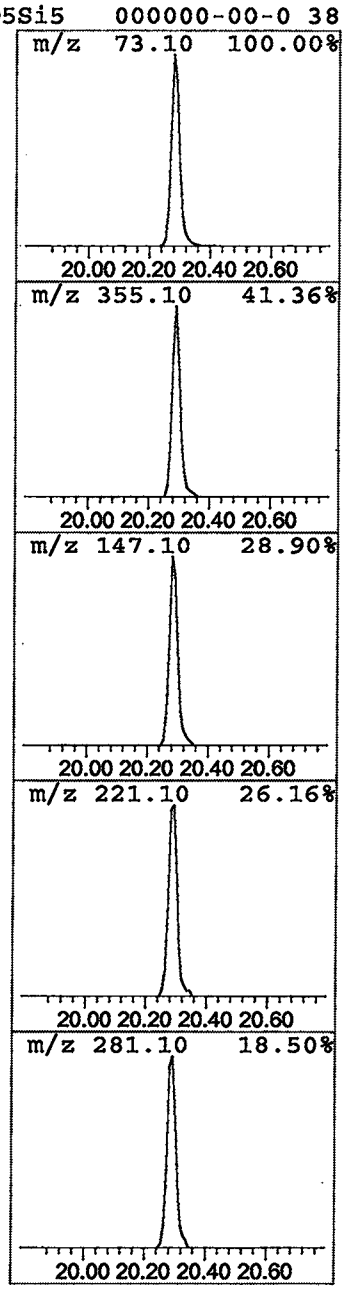
****

Peak Number 5 TETRACOSAMETHYLCYCLODODECAS... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.29	0.84 ug/L	978342	Acenaphthene-d10	18.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	TETRACOSAMETHYLCYCLODODECASILOXA...	888	C24H72O12Si12	018919-94-3	56
2	N-(Trifluoroacetyl)-N,O,O',O''-t...	553	C22H42F3NO4Si4	000000-00-0	43
3	Phenethylamine, N-methyl-.beta.,...	399	C18H37NO3Si3	010538-85-9	43
4	1,3-BIS(TRIMETHYLSILYLOXY)-2-TRI...	573	C24H51NO5Si5	000000-00-0	38





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\031902\3282.D Vial: 36
Acq On : 21 Mar 2002 11:07 am Operator: McLean
Sample : 2/14/02 RE-INJ Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

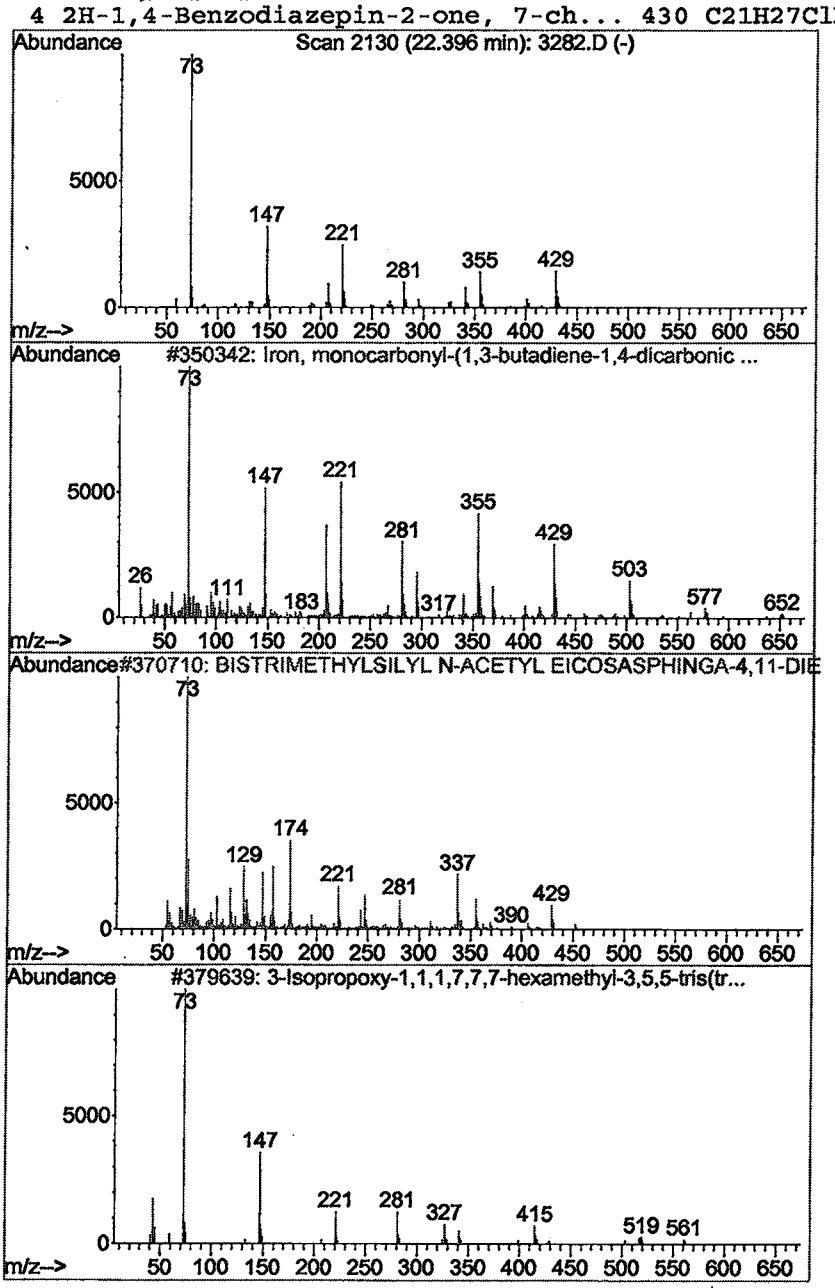
Quant Method : C:\MSDCHEM\1\5973N\5080302.M (RTE Integrator)
Title : Quantitation For Method 508gcscan
Library : C:\DATABASE\WILEY7N.L

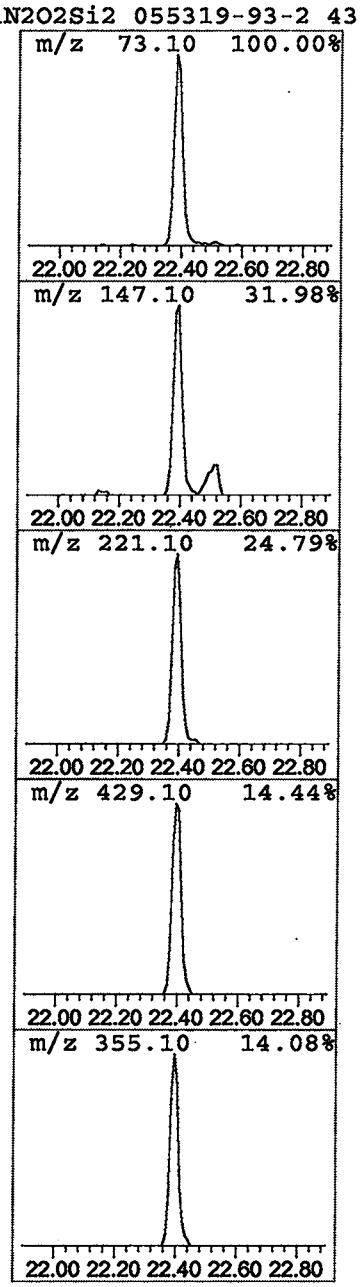
****

Peak Number 6 Iron, monocarbonyl-(1,3-but... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.40	0.58 ug/L	698750	Phenanthrene-d10	22.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Iron, monocarbonyl-(1,3-butadien...	438	C21H22FeN2O5	109007-87-6	74
2	BISTRIMETHYLSILYL N-ACETYL EICOS...	511	C28H57NO3Si2	000000-00-0	59
3	3-Isopropoxy-1,1,1,7,7,7-hexamet...	576	C18H52O7Si7	071579-69-6	43
4	2H-1,4-Benzodiazepin-2-one, 7-ch...	430	C21H27ClN2O2Si2	055319-93-2	43





Tentatively Identified Compound (LSC) summary

Operator ID: McLean Date Acquired: 21 Mar 2002 11:07 am
Data File: C:\MSDCHEM\1\DATA\031902\3282.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
Butane, 2-methoxy...	5.56	1.4	ug/L	1141760	1	9.55	16715400	20.0
Cyclopentasiloxan...	12.06	0.4	ug/L	466649	2	13.04	21644300	20.0
Cyclohexasiloxane...	15.11	1.2	ug/L	1252710	2	13.04	21644300	20.0
Trisiloxane, 1,1,...	17.85	1.1	ug/L	1291770	3	18.15	23256900	20.0
TETRACOSAMETHYLCY...	20.29	0.8	ug/L	978342	3	18.15	23256900	20.0
Iron, monocarbony...	22.40	0.6	ug/L	698750	4	22.51	24196300	20.0