User: Galos, Marie
Westchester Dept. of Labs & Research
Date: 10/25/2001 Time: 12:19:20

Sample: AD23915
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 10/25/01 12:18 Ended: 10/25/01 12:18 Analyst: MG
Page: 1

	Component Name	Mol	Result
1	Other unknown compounds		see comment

Comments for Sample AD23915 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 11-03-2001 Time: 11:06:41

A scan of the extract prepared for the 508 analysis, from 35 - 550 amu using a mass spectrometer, only reveals the presence of a single poorly identified compound,
2,6-Diphenyl-4,4-dimethyl-1,4-dihydropyridine-3,5-dicarbonitrile. The remaining baseline rise surrounding this compound is due to Siloxane, or column bleed.

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\OCT2301\23915.D Vial: 19
Acq On : 24 Oct 2001 5:24 am Operator: 209 GALOS
Sample : gc/ms unknown Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 25 12:03 2001 Quant Results File: NP091101.RES

Quant Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)
Title : 209 625/TCLP calibration table 7/16/01
Last Update : Fri Oct 12 09:04:47 2001
Response via : Initial Calibration
DataAcq Meth : NP091101

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	11.74	152	624317	20.00	ug/l	-0.17
19) Naphthalene-d8	15.35	136	2440402m	20.00	ug/l	-0.17
31) Acenaphthene-d10	20.64	164	1286170	20.00	ug/l	-0.17
49) Phenanthrene-d10	25.06	188	1958300	20.00	ug/l	-0.17
59) Chrysene-d12	33.10	240	1397347	20.00	ug/l	-0.18
68) Perylene-d12	37.21	264	1058205	20.00	ug/l	-0.21
System Monitoring Compounds						
4) 2-Fluorophenol	0.00	112	0	0.00	ug/l	
Spiked Amount 75.000			Recovery =	0.00%		
5) Phenol-d5	10.81	99	105	0.00	ug/l	-0.33
Spiked Amount 75.000			Recovery =	0.00%		
6) 2-Chlorophenol-d4	11.73	132	426	0.01	ug/l	0.32
Spiked Amount 75.000			Recovery =	0.01%		
7) 1,2-Dichlorobenzene-d4	12.26	152	7115	0.23	ug/l	-0.17
Spiked Amount 50.000			Recovery =	0.46%		
20) Nitrobenzene-d5	13.60	82	278	0.01	ug/l	0.05
Spiked Amount 50.000			Recovery =	0.02%		
32) 2-Fluorobiphenyl	18.77	172	3049	0.04	ug/l	-0.04
Spiked Amount 50.000			Recovery =	0.08%		
33) 2,4,6-Tribromophenol	0.00	330	0	0.00	ug/l	
Spiked Amount 75.000			Recovery =	0.00%		
62) Terphenyl-d14	29.96	244	661	0.01	ug/l	-0.19
Spiked Amount 50.000			Recovery =	0.02%		
Target Compounds						Qvalue
2) Pyridine	5.53	79	306	N.D.		
3) N-nitroso-dimethyl amine	5.11	74	286	N.D.		
8) Phenol	0.00	94	0	N.D.		
9) bis(2-Chloroethyl)ether	11.01	93	479	N.D.		
10) 2-Chlorophenol	0.00	128	0	N.D.		
11) 1,3-Dichlorobenzene	0.00	146	0	N.D.		
12) 1,4-Dichlorobenzene	0.00	146	0	N.D.		
13) 1,2-Dichlorobenzene	0.00	146	0	N.D.		
14) 2-Methylphenol	0.00	108	0	N.D.		
15) 2,2'-oxybis(1-Chloropropan	0.00	45	0	N.D.		
16) 3&4-Methylphenol	0.00	108	0	N.D.		
17) N-Nitroso-di-n-propylamine	0.00	70	0	N.D.		
18) Hexachloroethane	0.00	117	0	N.D.		
21) Nitrobenzene	13.30	77	176	N.D.		
22) Isophorone	14.10	82	175	N.D.		

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

Quantitation Report (QT Reviewed)

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Acq On : 24 Oct 2001 5:24 am Operator: 209 GALOS
Sample : gc/ms unknown Inst : GC/MS 209
Misc : Multiplr: 1.00
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Quant Time: Oct 25 12:03 2001 Quant Results File: NP091101.RES

Quant Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)
Title : 209 625/TCLP calibration table 7/16/01
Last Update : Fri Oct 12 09:04:47 2001
Response via : Initial Calibration
DataAcq Meth : NP091101

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
23)	2-Nitrophenol	0.00	139	0	N.D.	
24)	2,4-Dimethylphenol	14.71	107	176	N.D.	
25)	bis(2-Chloroethoxy)methane	0.00	93	0	N.D.	
26)	2,4-Dichlorophenol	0.00	162	0	N.D.	
27)	1,2,4-Trichlorobenzene	0.00	180	0	N.D.	
28)	Naphthalene	15.41	128	119	N.D.	
29)	Hexachlorobutadiene	0.00	225	0	N.D.	
30)	4-Chloro-3-methylphenol	17.27	107	294	N.D.	
34)	Hexachlorocyclopentadiene	0.00	237	0	N.D.	
35)	2,4,6-Trichlorophenol	0.00	196	0	N.D.	
36)	2,4,5-Trichlorophenol	0.00	196	0	N.D.	
37)	2-Chloronaphthalene	0.00	162	0	N.D.	
38)	Dimethylphthalate	0.00	163	0	N.D.	
39)	2,6-Dinitrotoluene	0.00	165	0	N.D.	
40)	Acenaphthylene	0.00	152	0	N.D.	
41)	Acenaphthene	0.00	153	0	N.D.	
42)	2,4-Dinitrophenol	0.00	184	0	N.D.	
43)	4-Nitrophenol	21.08	65	319	N.D.	
44)	2,4-Dinitrotoluene	21.24	165	176	N.D.	
45)	Diethylphthalate	22.13	149	1915	N.D.	
46)	4-Chlorophenyl-phenylether	0.00	204	0	N.D.	
47)	Fluorene	0.00	166	0	N.D.	
48)	Azobenzen/ 1,2-Diphenylhyd	22.76	77	271	N.D.	
50)	4,6-Dinitro-2-methylphenol	0.00	198	0	N.D.	
51)	N-Nitrosodiphenylamine	0.00	168	0	N.D.	
52)	4-Bromophenyl-phenylether	0.00	248	0	N.D.	
53)	Hexachlorobenzene	0.00	284	0	N.D.	
54)	Pentachlorophenol	0.00	266	0	N.D.	
55)	Phenanthrene	25.13	178	422	N.D.	
56)	Anthracene	25.13	178	422	N.D.	
57)	Di-n-butylphthalate	27.05	149	6736	N.D.	
58)	Fluoranthene	0.00	202	0	N.D.	
60)	3,3'-Dichlorobenzidine	33.08	252	1136	N.D.	
61)	Benzidine	28.77	184	1369	N.D.	
63)	Pyrene	29.41	202	359	N.D.	
64)	Butylbenzylphthalate	31.56	149	1012	N.D.	
65)	Benzo(a)anthracene	33.10	228	5396	N.D.	
66)	Bis(2-ethylhexyl)phthalate	33.36	149	13642	N.D.	
67)	Chrysene	33.10	228	5396	N.D.	
69)	Di-n-Octylphthalate	35.10	149	3895	N.D.	
70)	Benzo(b)fluoranthene	36.12	252	1894	N.D.	

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\OCT2301\23915.D Vial: 19
Acq On : 24 Oct 2001 5:24 am Operator: 209 GALOS
Sample : gc/ms unknown Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 25 12:03 2001 Quant Results File: NP091101.RES

Quant Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)
Title : 209 625/TCLP calibration table 7/16/01
Last Update : Fri Oct 12 09:04:47 2001
Response via : Initial Calibration
DataAcq Meth : NP091101

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
71) Benzo(k)fluoranthene	36.17	252	4625	N.D.	
72) Benzo(a)pyrene	37.02	252	2808	N.D.	
73) Indeno(1,2,3-cd)pyrene	40.93	276	670	N.D.	
74) Dibenz(a,h)anthracene	0.00	278	0	N.D.	
75) Benzo(g,h,i)perylene	42.04	276	311	N.D.	

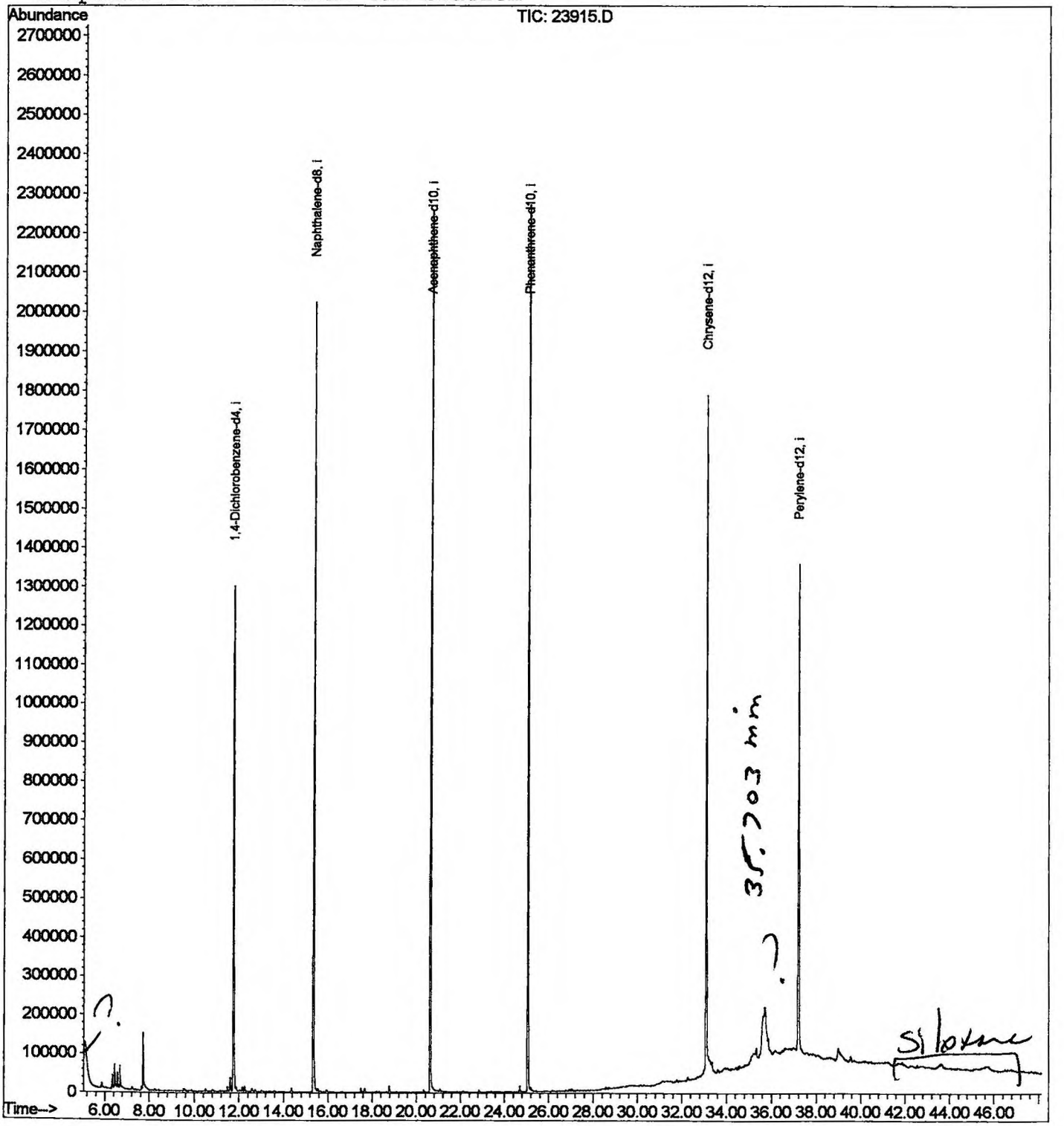
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\OCT2301\23915.D
Acq On : 24 Oct 2001 5:24 am
Sample : gc/ms unknown
Misc :
MS Integration Params: RTEINT.P
Quant Time: Oct 25 12:03 2001

Vial: 19
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00
Quant Results File: NP091101.RES

Method : C:\HPCHEM\1\METHODS\NP101901.M (RTE Integrator)
Title : 209 625/TCLP calibration table 7/16/01
Last Update : Tue Oct 23 10:12:13 2001
Response via : Initial Calibration



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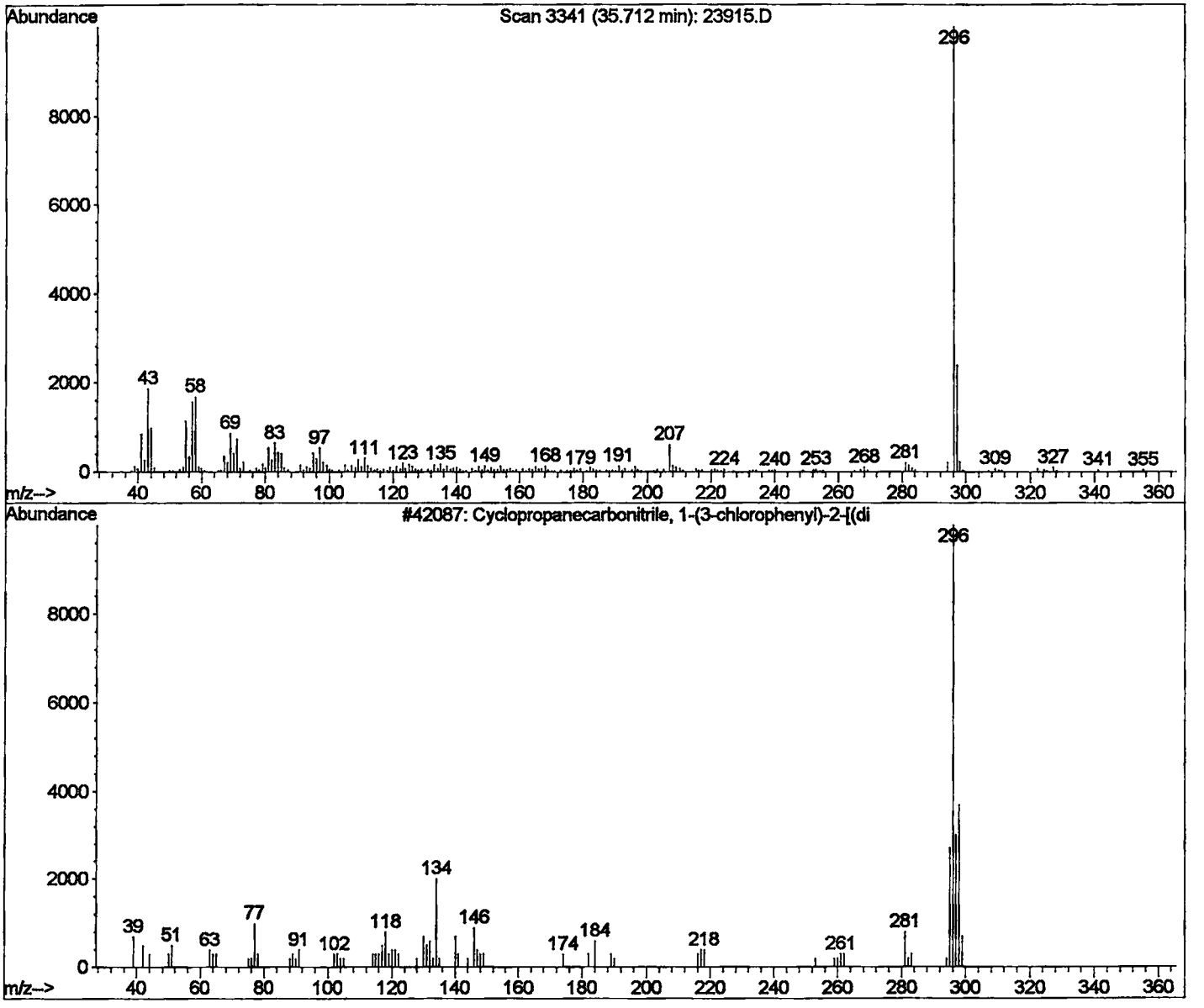

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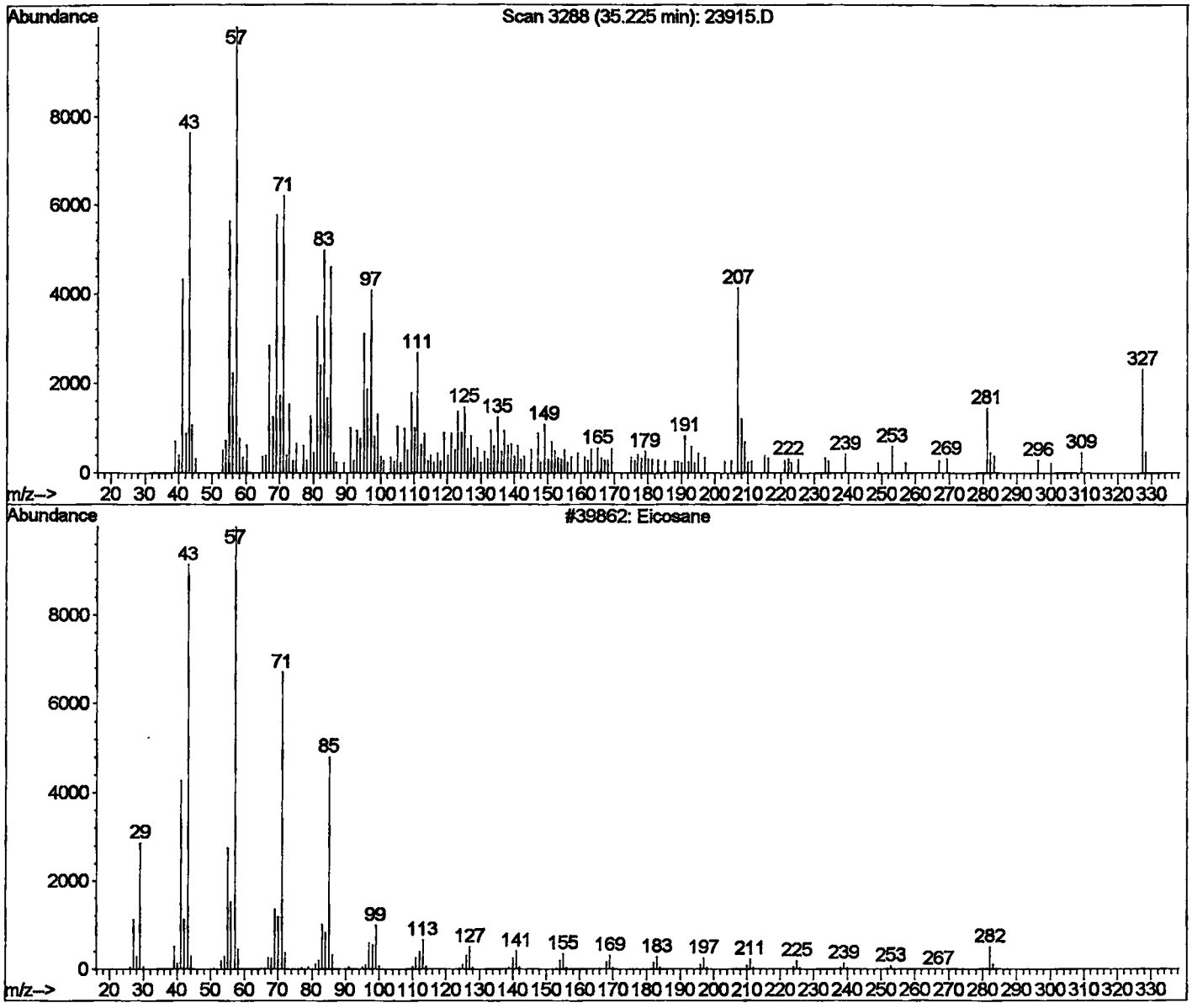

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Quality : 76
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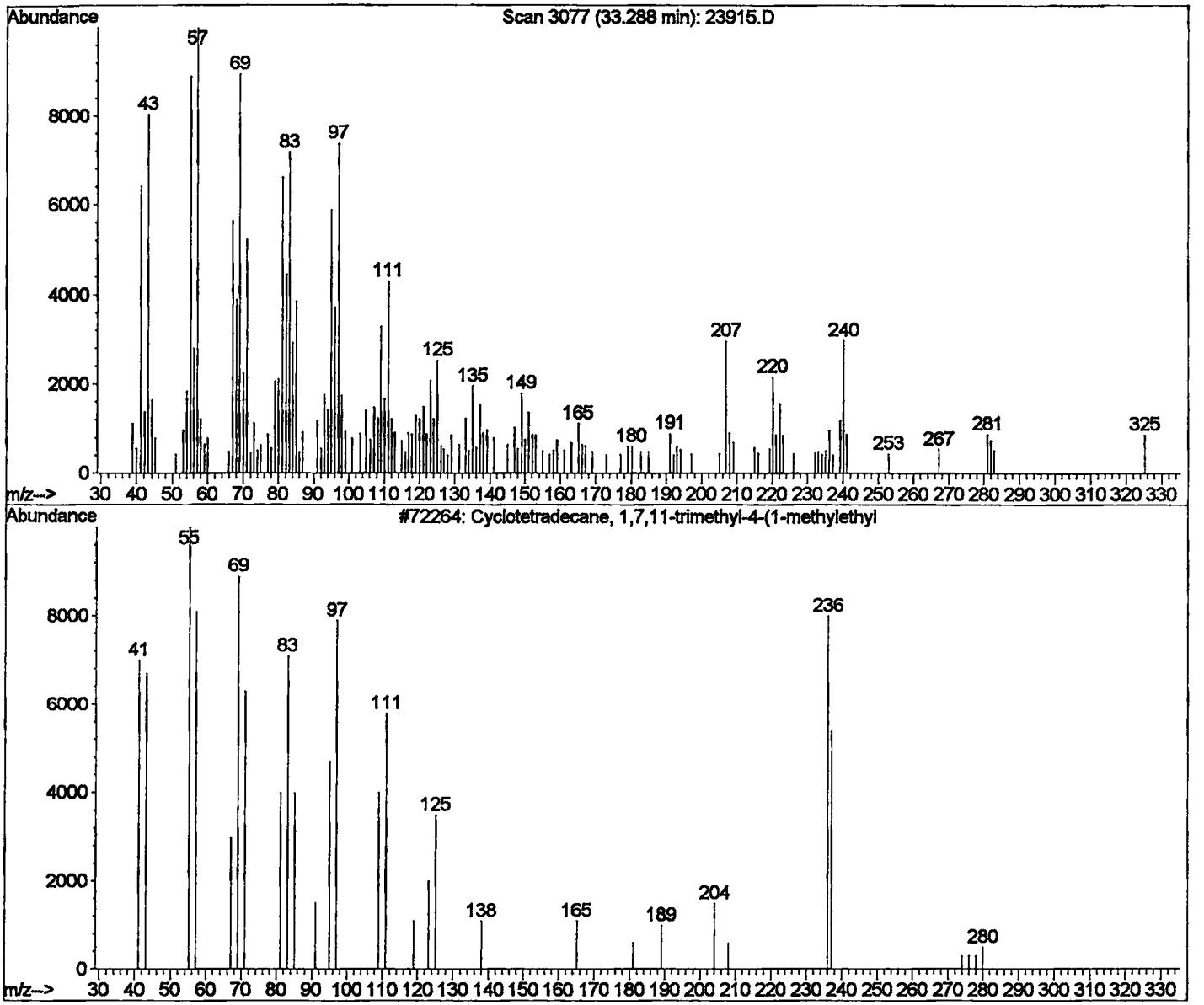


LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\OCT2301\23915.D Vial: 19
Acq On : 24 Oct 2001 5:24 am Operator: 209 GALOS
Sample : gc/ms unknown Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\NP101901.M (RTE Integrator)
Title : 209 625/TCLP calibration table 7/16/01
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

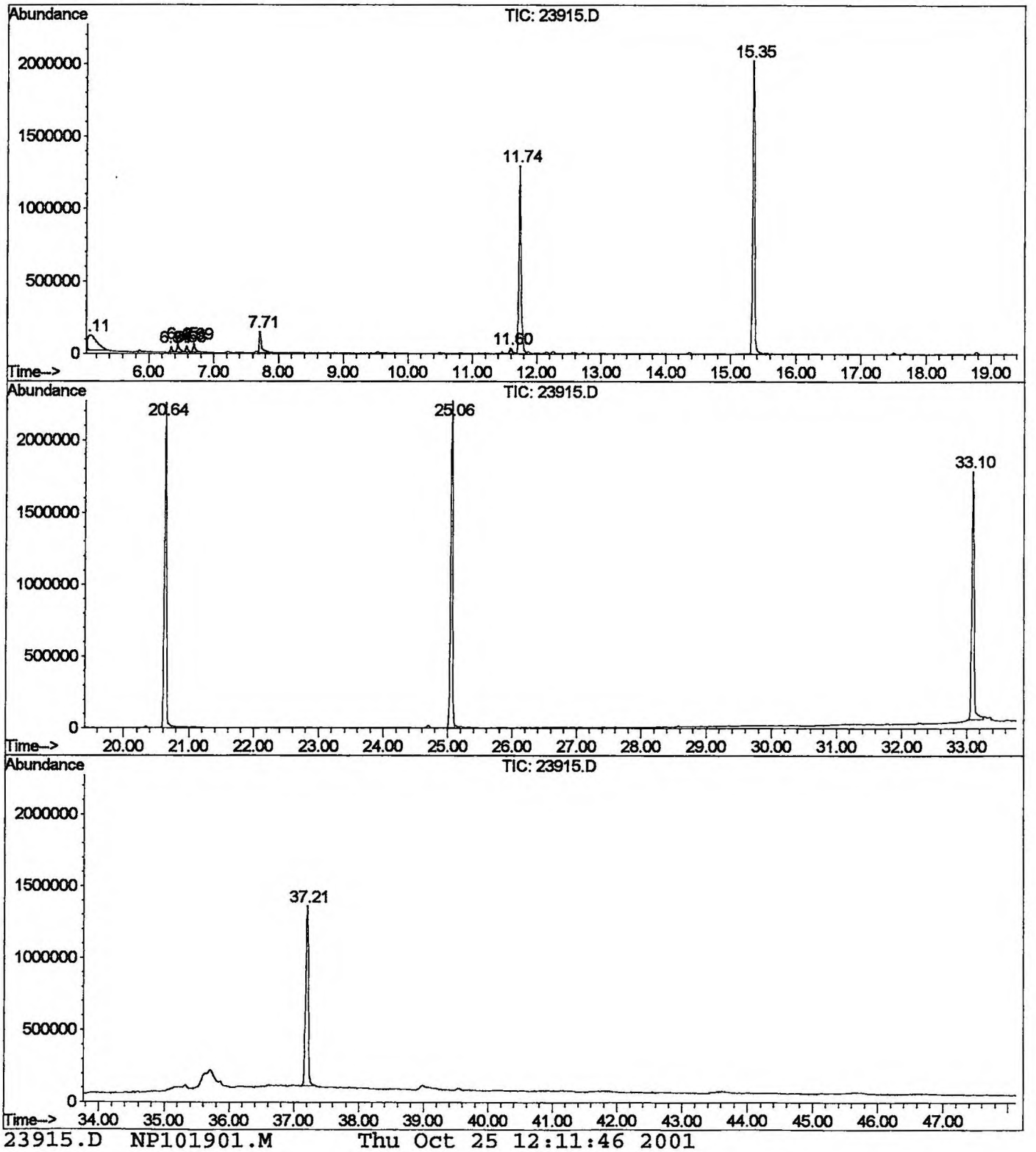
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	5.114	3	8	37	rVB	105869	921855	18.33%	3.398%
2	6.344	139	142	149	rBV	36785	74570	1.48%	0.275%
3	6.454	150	154	165	rVV	63479	159460	3.17%	0.588%
4	6.583	165	168	175	rVV	41424	86614	1.72%	0.319%
5	6.693	176	180	194	rVB	58794	131341	2.61%	0.484%
6	7.712	287	291	309	rBV	144271	364860	7.26%	1.345%
7	11.604	708	715	724	rBV	35523	94586	1.88%	0.349%
8	11.742	724	730	740	rVV	1294925	3115518	61.95%	11.484%
9	15.350	1116	1123	1139	rBV	2021159	4380205	87.10%	16.146%
10	20.638	1691	1699	1714	rBV	2256632	5028852	100.00%	18.537%
11	25.063	2173	2181	2192	rBV2	2267203	4931195	98.06%	18.177%
12	33.096	3049	3056	3073	rBV2	1722692	4291554	85.34%	15.819%
13	37.208	3496	3504	3515	rVB2	1243923	3548422	70.56%	13.080%

Sum of corrected areas: 27129032

23915.D NP101901.M Thu Oct 25 12:11:44 2001

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\OCT2301\23915.D
Operator : 209 GALOS
Acquired : 24 Oct 2001 5:24 am using AcqMethod NP091101
Instrument : GC/MS 209
Sample Name: gc/ms unknown
Misc Info :
Vial Number: 19
Quant File :NP091101.RES (RTE Integrator)



23915.D NP101901.M Thu Oct 25 12:11:46 2001

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\OCT2301\23915.D
Acq On : 24 Oct 2001 5:24 am
Sample : gc/ms unknown
Misc :
MS Integration Params: LSCINT.P

Vial: 19
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

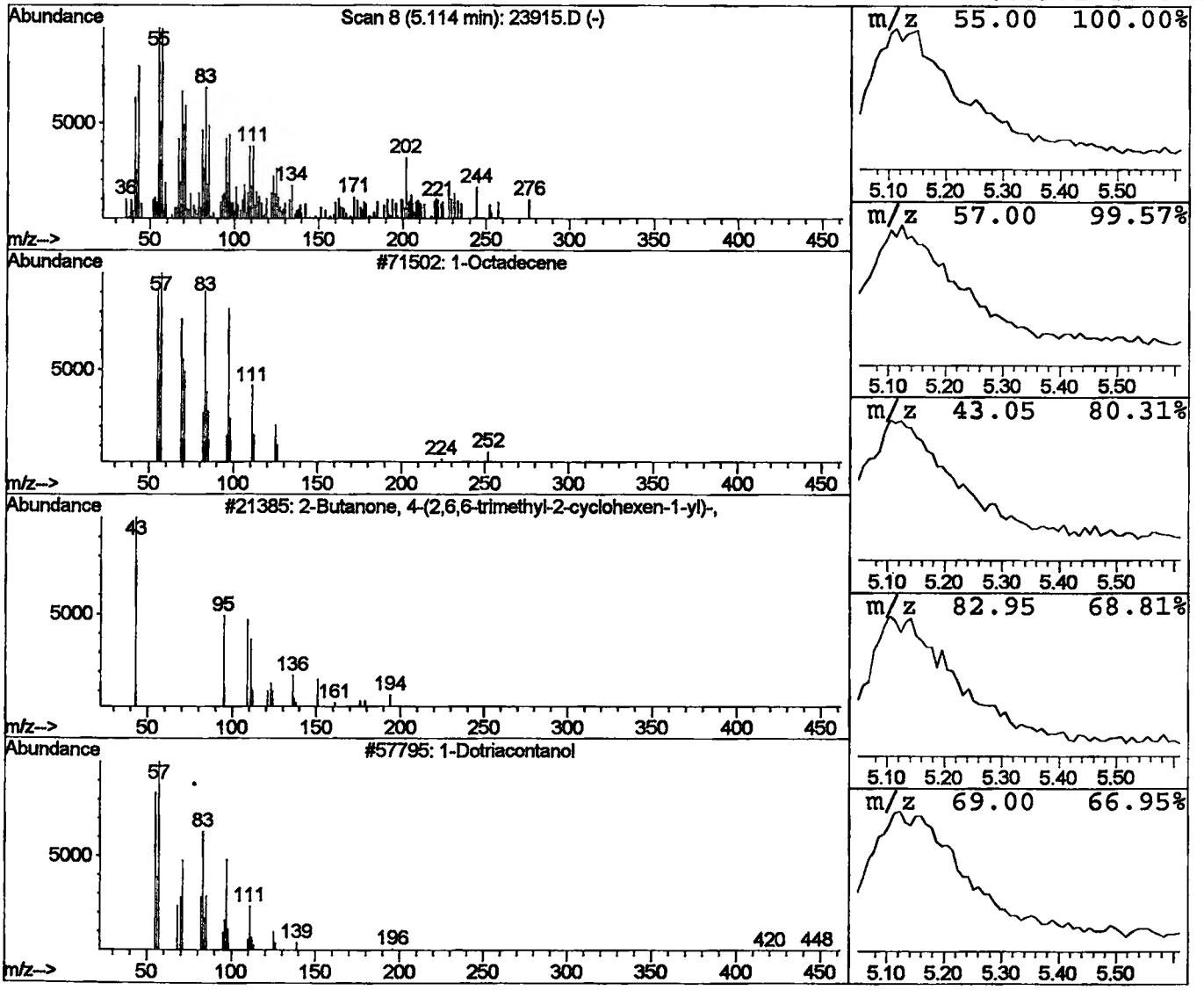
Quant Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)
Title : 209 625/TCLP calibration table 7/16/01
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 1-Octadecene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.11	5.92 ug/l	921855	1,4-Dichlorobenzene-d4	11.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Octadecene	252	C18H36	000112-88-9	41
2	2-Butanone, 4-(2,6,6-trimethyl-2-cy	194	C13H22O	039721-65-8	25
3	1-Dotriacontanol	467	C32H66O	006624-79-9	25
4	17-Pentatriacontene	491	C35H70	006971-40-0	18



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\OCT2301\23915.D
Acq On : 24 Oct 2001 5:24 am
Sample : gc/ms unknown
Misc :
MS Integration Params: LSCINT.P

Vial: 19
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

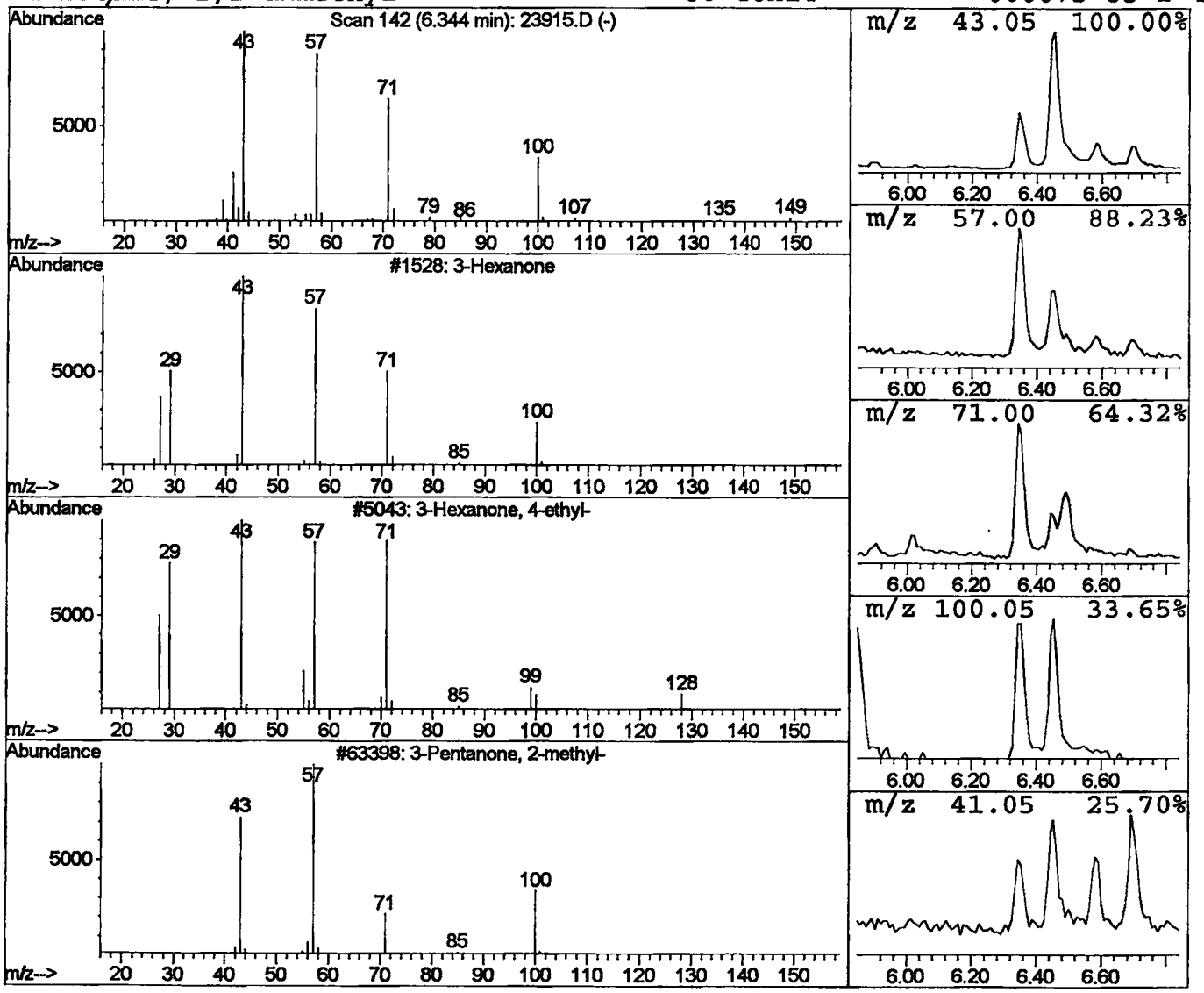
Quant Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)
Title : 209 625/TCLP calibration table 7/16/01
Library : C:\DATABASE\NBS75K.L

****

Peak Number 2 3-Hexanone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.34	0.48 ug/l	74570	1,4-Dichlorobenzene-d4	11.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Hexanone	100	C6H12O	000589-38-8	90
2	3-Hexanone, 4-ethyl-	128	C8H16O	006137-12-8	59
3	3-Pentanone, 2-methyl-	100	C6H12O	000565-69-5	49
4	Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	42



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\OCT2301\23915.D
Acq On : 24 Oct 2001 5:24 am
Sample : gc/ms unknown
Misc :
MS Integration Params: LSCINT.P

Vial: 19
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

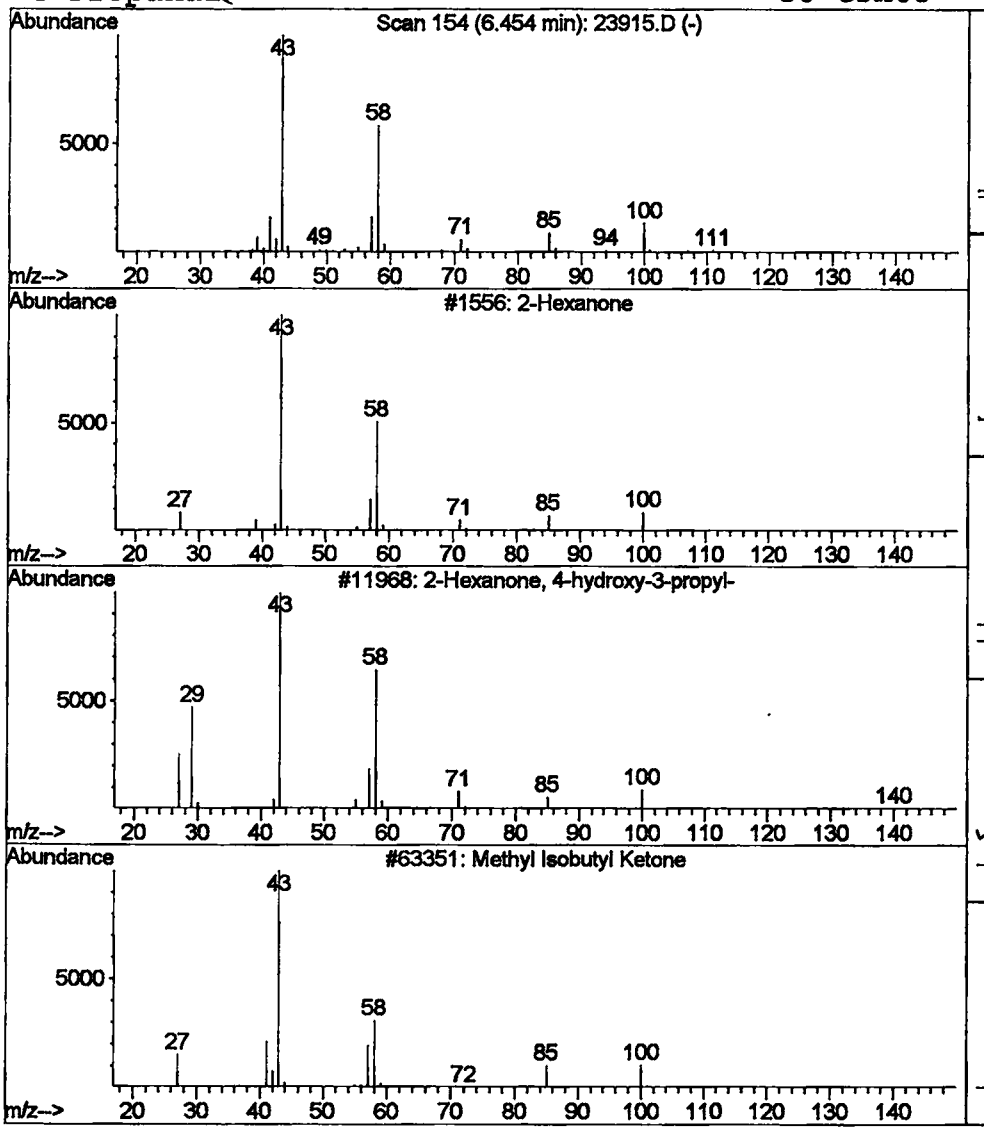
Quant Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)
Title : 209 625/TCLP calibration table 7/16/01
Library : C:\DATABASE\NBS75K.L

****

Peak Number 3 2-Hexanone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.45	1.02 ug/l	159460	1,4-Dichlorobenzene-d4	11.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexanone	100	C6H12O	000591-78-6	91
2	2-Hexanone, 4-hydroxy-3-propyl-	158	C9H18O2	062338-17-4	64
3	Methyl Isobutyl Ketone	100	C6H12O	000108-10-1	52
4	Propanal	58	C3H6O	000123-38-6	43



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\OCT2301\23915.D
Acq On : 24 Oct 2001 5:24 am
Sample : gc/ms unknown
Misc :
MS Integration Params: LSCINT.P

Vial: 19
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

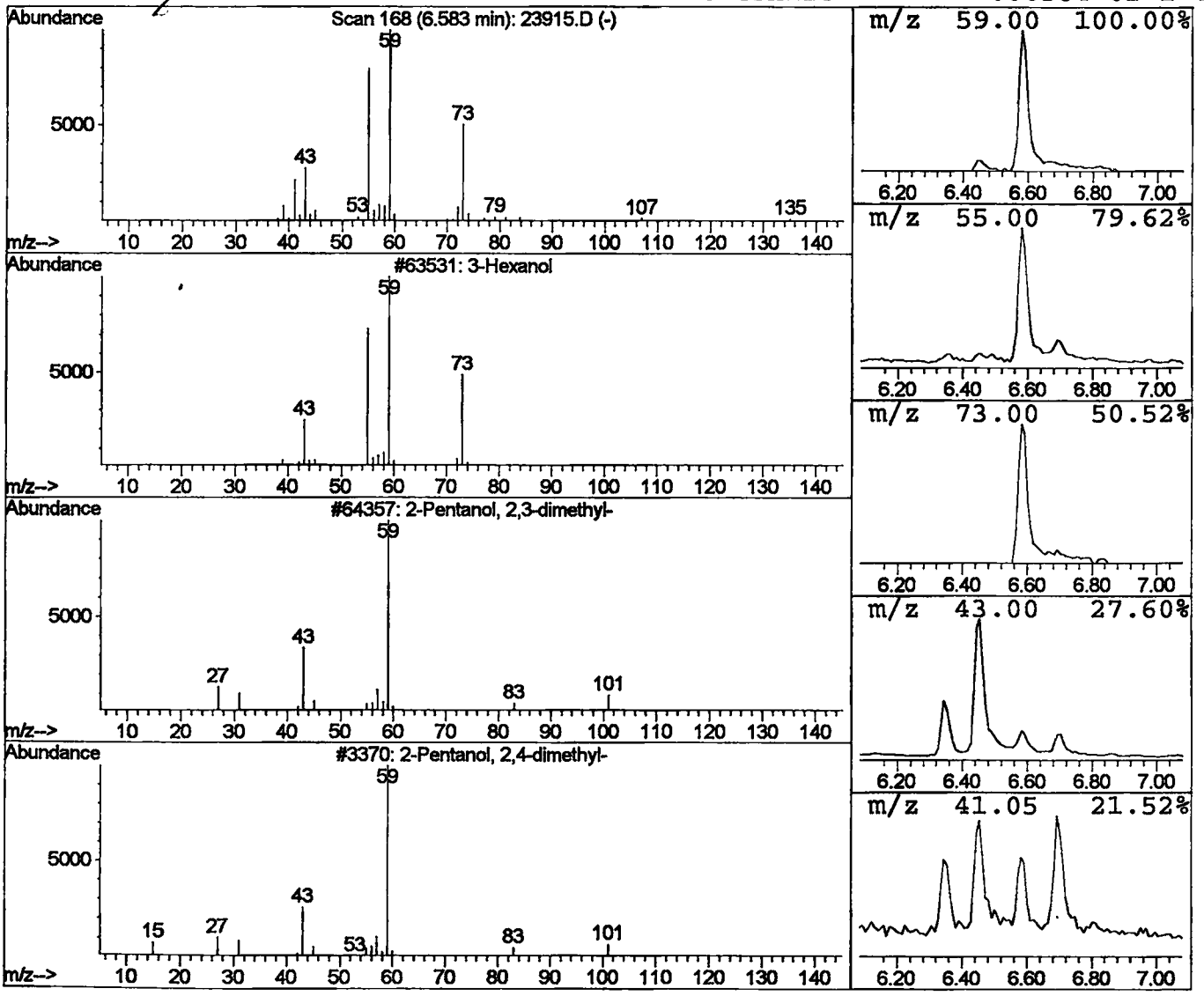
Quant Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)
Title : 209 625/TCLP calibration table 7/16/01
Library : C:\DATABASE\NBS75K.L

****

Peak Number 4 3-Hexanol — Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.58	0.56 ug/l	86614	1,4-Dichlorobenzene-d4	11.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Hexanol	102	C6H14O	000623-37-0	90
2	2-Pentanol, 2,3-dimethyl-	116	C7H16O	004911-70-0	53
3	2-Pentanol, 2,4-dimethyl-	116	C7H16O	000625-06-9	40
4	3-Pentanol	88	C5H12O	000584-02-1	40



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\OCT2301\23915.D
Acq On : 24 Oct 2001 5:24 am
Sample : gc/ms unknown
Misc :
MS Integration Params: LSCINT.P

Vial: 19
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

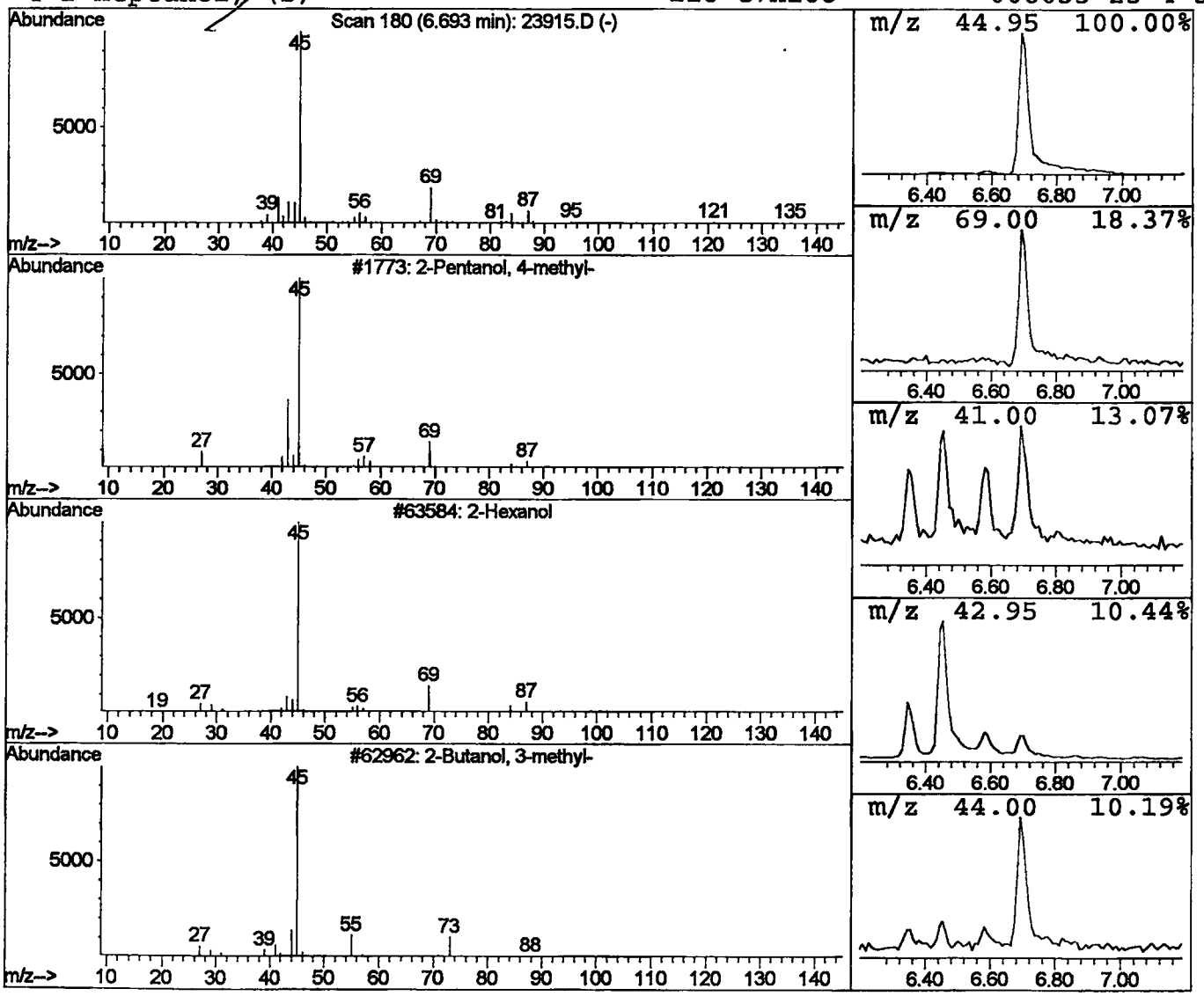
Quant Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)
Title : 209 625/TCLP calibration table 7/16/01
Library : C:\DATABASE\NBS75K.L

****

Peak Number 5 2-Pentanol, 4-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.69	0.84 ug/l	131341	1,4-Dichlorobenzene-d4	11.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanol, 4-methyl-	102	C6H14O	000108-11-2	78
2	2-Hexanol	102	C6H14O	000626-93-7	78
3	2-Butanol, 3-methyl-	88	C5H12O	000598-75-4	59
4	2-Heptanol, (S)-	116	C7H16O	006033-23-4	39



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\OCT2301\23915.D
Acq On : 24 Oct 2001 5:24 am
Sample : gc/ms unknown
Misc :
MS Integration Params: LSCINT.P

Vial: 19
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

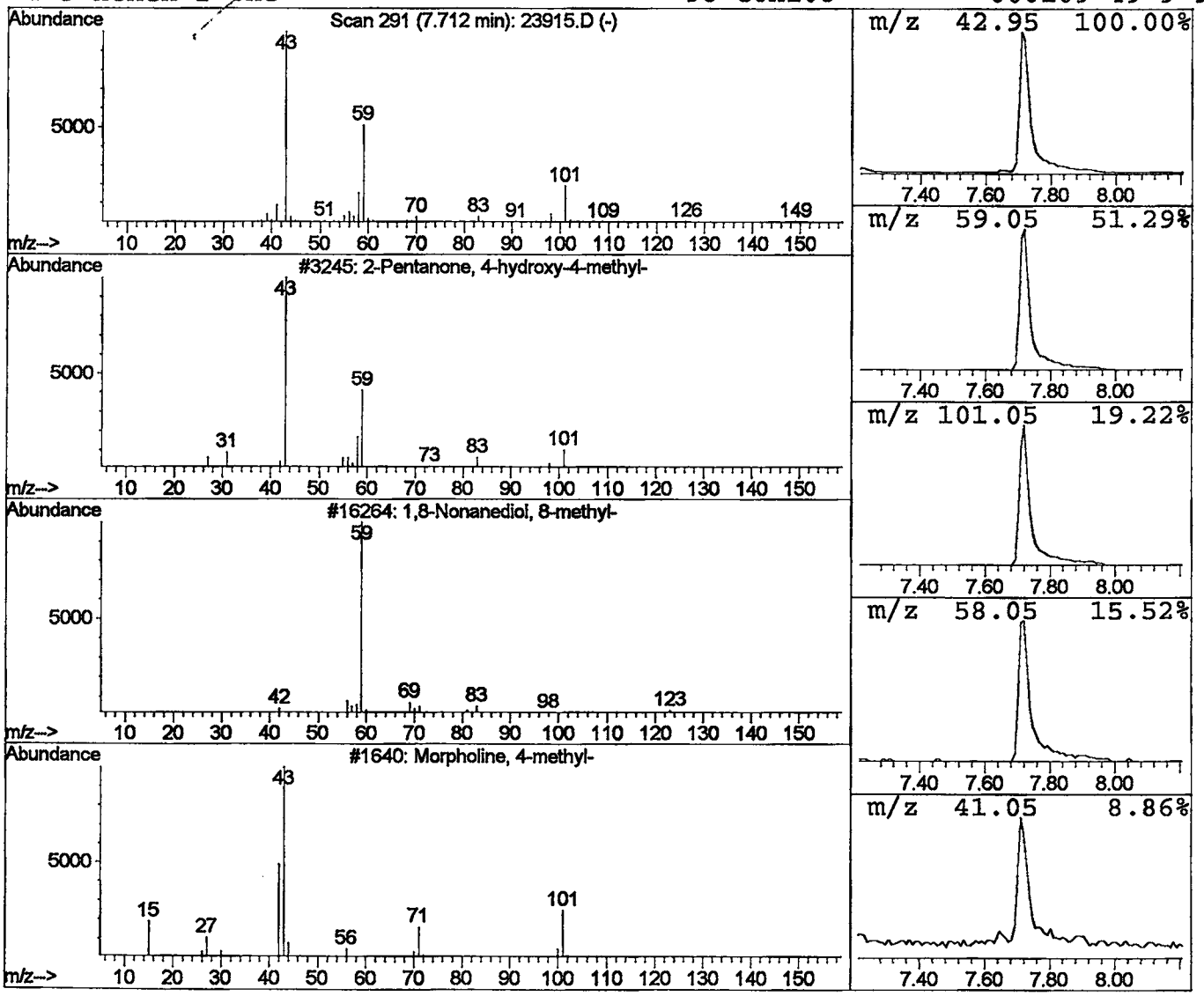
Quant Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)
Title : 209 625/TCLP calibration table 7/16/01
Library : C:\DATABASE\NBS75K.L

****

Peak Number 6 2-Pentanone, 4-hydroxy-4-methy Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.71	2.34 ug/l	364860	1,4-Dichlorobenzene-d4	11.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	1,8-Nonanediol, 8-methyl-	174	C10H22O2	054725-73-4	17
3	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
4	5-Hexen-2-one	98	C6H10O	000109-49-9	9



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\OCT2301\23915.D
Acq On : 24 Oct 2001 5:24 am
Sample : gc/ms unknown
Misc :
MS Integration Params: LSCINT.P

Vial: 19
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

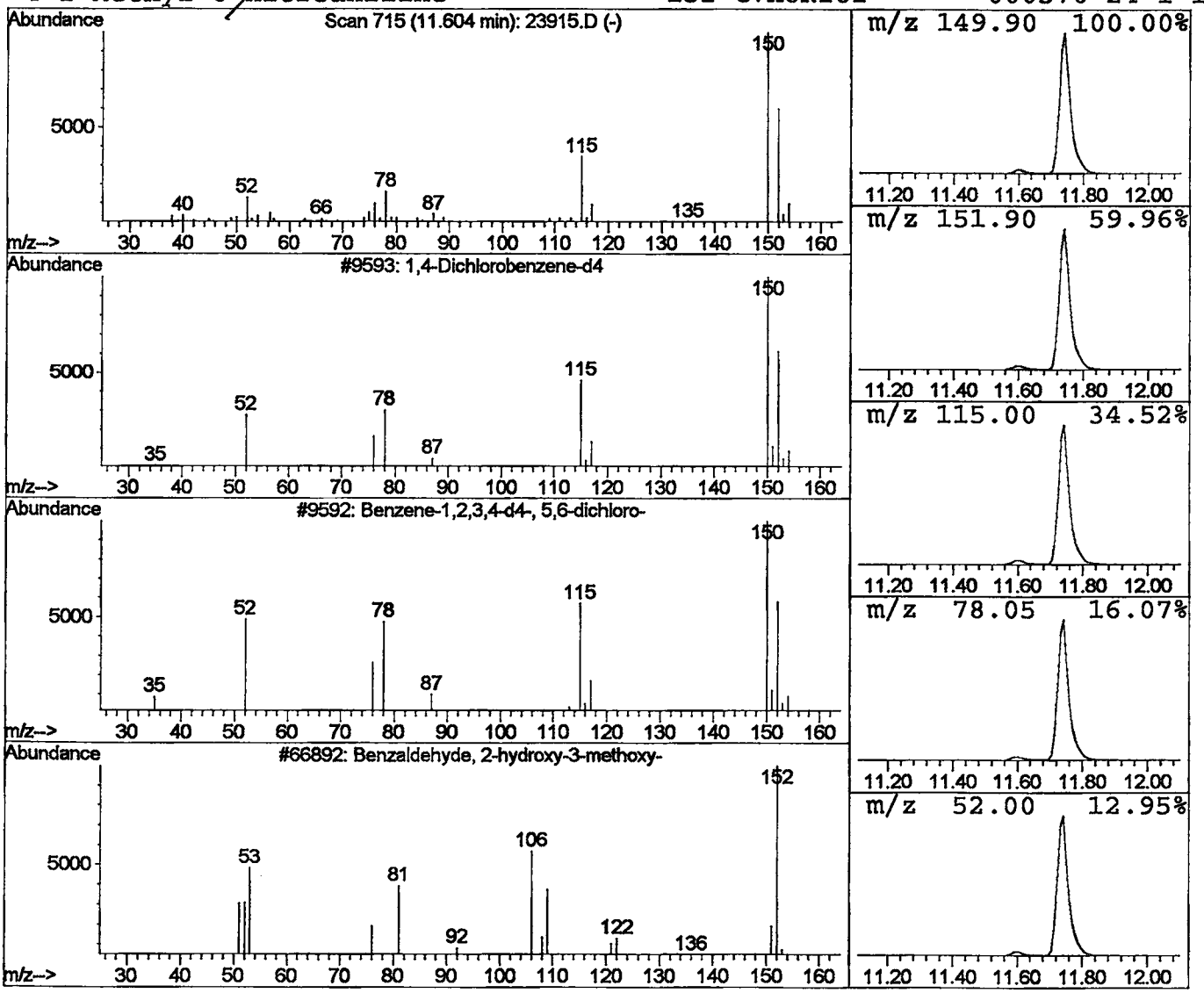
Quant Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)
Title : 209 625/TCLP calibration table 7/16/01
Library : C:\DATABASE\NBS75K.L

****

Peak Number 7 1,4-Dichlorobenzene-d4 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.60	0.61 ug/l	94586	1,4-Dichlorobenzene-d4	11.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Dichlorobenzene-d4	150	C6Cl2D4	003855-82-1	40
2	Benzene-1,2,3,4-d4-, 5,6-dichloro-	150	C6Cl2D4	002199-69-1	35
3	Benzaldehyde, 2-hydroxy-3-methoxy-	152	C8H8O3	000148-53-8	10
4	2-Methyl-6-nitroaniline	152	C7H8N2O2	000570-24-1	10



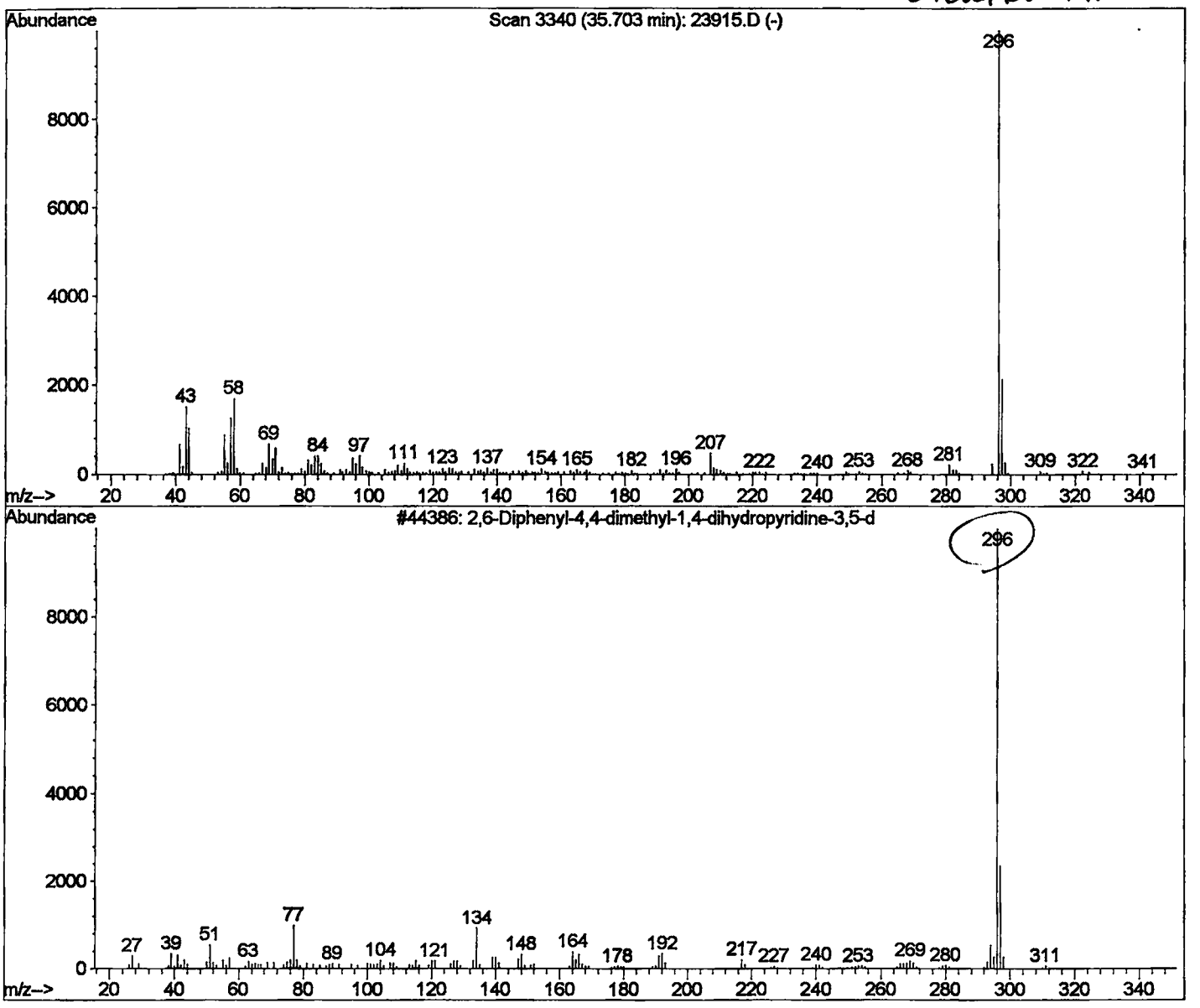
Tentatively Identified Compound (LSC) summary

Operator ID: 209 GALOS Date Acquired: 24 Oct 2001 5:24 am
Data File: C:\HPCHEM\1\DATA\OCT2301\23915.D
Name: gc/ms unknown
Misc:
Method: C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)
Title: 209 625/TCLP calibration table 7/16/01
Library Searched: C:\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
1-Octadecene	5.11	5.9	ug/l	921855	ISTD01	11.74	3115520	20.0
3-Hexanone	6.34	0.5	ug/l	74570	ISTD01	11.74	3115520	20.0
2-Hexanone	6.45	1.0	ug/l	159460	ISTD01	11.74	3115520	20.0
3-Hexanol	6.58	0.6	ug/l	86614	ISTD01	11.74	3115520	20.0
2-Pentanol, 4-methyl	6.69	0.8	ug/l	131341	ISTD01	11.74	3115520	20.0
2-Pentanone, 4-hydro	7.71	2.3	ug/l	364860	ISTD01	11.74	3115520	20.0
1,4-Dichlorobenzene-	11.60	0.6	ug/l	94586	ISTD01	11.74	3115520	20.0

23915.D NP101901.M Thu Oct 25 12:12:03 2001

Library Searched : C:\DATABASE\nbs75k.l
Quality : 50 not a good match
ID : 2,6-Diphenyl-4,4-dimethyl-1,4-dihydropyridine-3,5-dicarbonitrile
dicarbonitrile

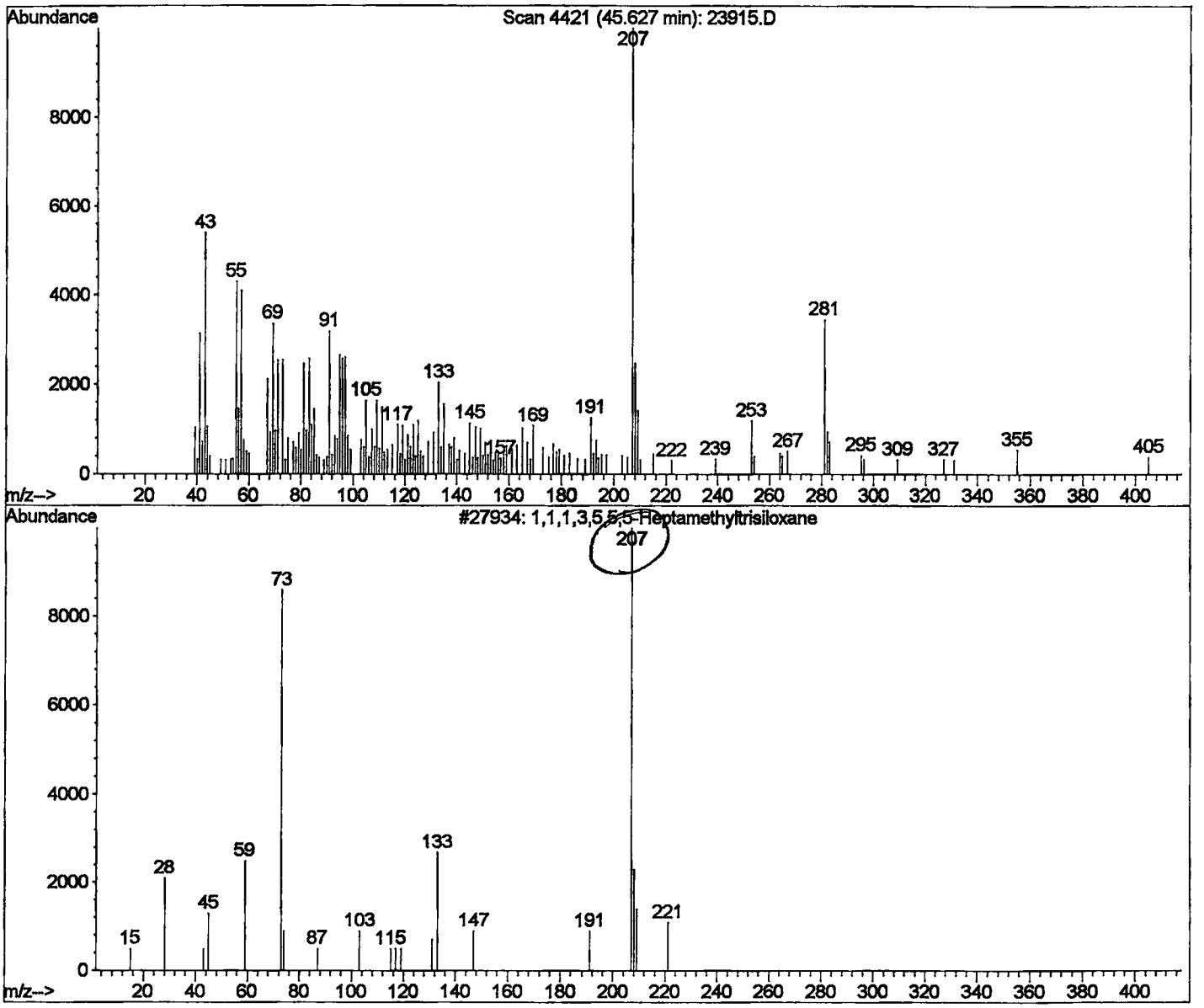


2,6-Diphenyl-4,4-dimethyl-1,4-dihydropyridine-3,5-dicarbonitrile

Match Quality	:	50
Entry Number	:	44386
CAS Number	:	015513-21-0
Molecular Weight	:	311.14
Molecular Formula	:	C21H17N3
Retention Index	:	0
Company ID	:	NIST 1992
Melting Point	:	
Boiling Point	:	
Misc Information	:	

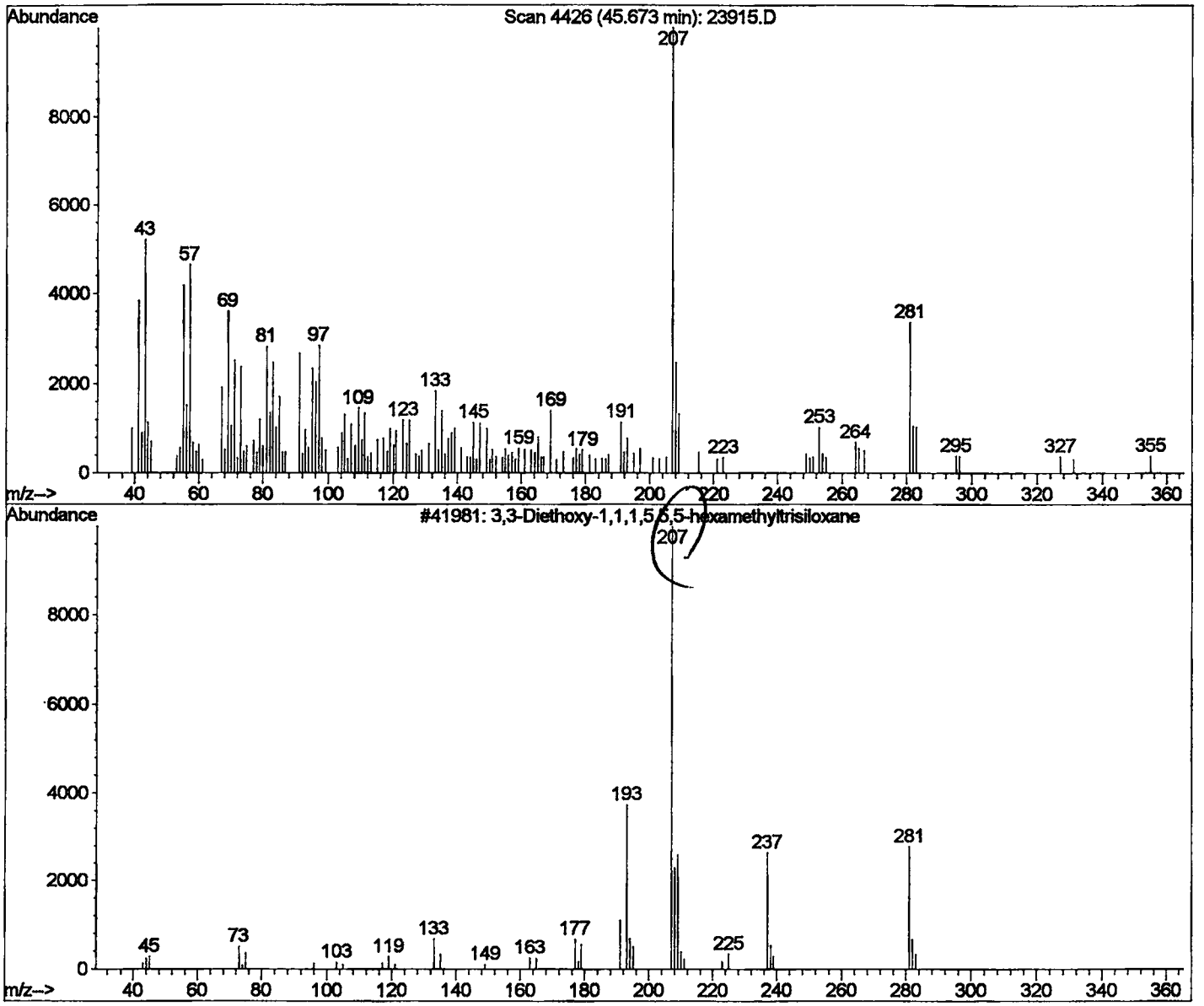
QI=78 Steroids;

Library Searched : C:\DATABASE\nbs75k.l
Quality : 38
ID : 1,1,1,3,5,5,5-Heptamethyltrisiloxane



207
5110 xane
column bleed

Library Searched : C:\DATABASE\nbs75k.l
Quality : 47
ID : 3,3-Diethoxy-1,1,1,5,5,5-hexamethyltrisiloxane



3,3-Diethoxy-1,1,1,5,5,5-hexamethyltrisiloxane

Match Quality	:	38
Entry Number	:	41981
CAS Number	:	000000-00-0
Molecular Weight	:	296.13
Molecular Formula	:	C10H28O4Si3
Retention Index	:	0
Company ID	:	NIST 1992
Melting Point	:	
Boiling Point	:	
Misc Information	:	

QI=63