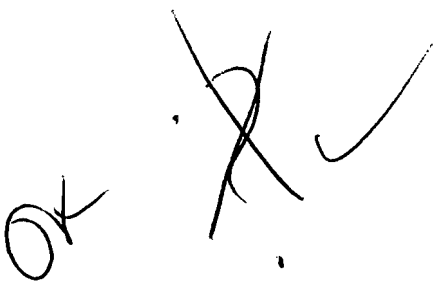
User: Galos, Marie
Westchester Dept. of Labs & Research
Date: 09/27/2001 Time: 08:56:37

Sample: AD22544
Analysis: $GCMS GC/MS Scan For Unknowns
Started: 9/27/01 08:55 Ended: 9/27/01 08:55 Analyst: MG
Page: 1

	Component Name	Viol	Result
1	Other unknown compounds		see comment



Comments for Sample AD22544 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 10-03-2001 Time: 14:20:46

A scan of the extract prepared for the 508 analysis, from 35 - 550 amu using a mass spectrometer, does not reveal the presence of any non-target compounds generally different than those present in the Laboratory Blank.

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\SEP2501\22544.D Vial: 10
Acq On : 25 Sep 2001 11:15 pm Operator: 209 GALOS
Sample : GC/MS unknown Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 26 0:04 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 : Thu Sep 13 12:47:04 2001
Response via : Initial Calibration
DataAcq Meth : NP091101

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	11.79	152	464102	20.00	ug/l	-0.12
19) Naphthalene-d8	15.40	136	1812222	20.00	ug/l	-0.12
31) Acenaphthene-d10	20.68	164	850638	20.00	ug/l	-0.13
49) Phenanthrene-d10	25.11	188	1192182	20.00	ug/l	-0.12
59) Chrysene-d12	33.16	240	809734	20.00	ug/l	-0.12
68) Perylene-d12	37.27	264	611550	20.00	ug/l	-0.15
System Monitoring Compounds						
4) 2-Fluorophenol	0.00	112	0	0.00	ug/l	
Spiked Amount 75.000			Recovery =	0.00%		
5) Phenol-d5	0.00	99	0	0.00	ug/l	
Spiked Amount 75.000			Recovery =	0.00%		
6) 2-Chlorophenol-d4	0.00	132	0	0.00	ug/l	
Spiked Amount 75.000			Recovery =	0.00%		
7) 1,2-Dichlorobenzene-d4	0.00	152	0	0.00	ug/l	
Spiked Amount 50.000			Recovery =	0.00%		
20) Nitrobenzene-d5	0.00	82	0	0.00	ug/l	
Spiked Amount 50.000			Recovery =	0.00%		
32) 2-Fluorobiphenyl	0.00	172	0	0.00	ug/l	
Spiked Amount 50.000			Recovery =	0.00%		
33) 2,4,6-Tribromophenol	0.00	330	0	0.00	ug/l	
Spiked Amount 75.000			Recovery =	0.00%		
62) Terphenyl-d14	0.00	244	0	0.00	ug/l	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
2) Pyridine	0.00	79	0	N.D.		
3) N-nitroso-dimethyl amine	0.00	74	0	N.D.		
8) Phenol	0.00	94	0	N.D.		
9) bis(2-Chloroethyl)ether	0.00	93	0	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	0.00	77	0	N.D.		
22) Isophorone	0.00	82	0	N.D.		

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\SEP2501\22544.D Vial: 10
Acq On : 25 Sep 2001 11:15 pm Operator: 209 GALOS
Sample : GC/MS unknown Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 26 0:04 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 : Thu Sep 13 12:47:04 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	0.00	107	0	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	0.00	128	0	N.D.	
29)	Hexachlorobutadiene	0.00	225	0	N.D.	
30)	4-Chloro-3-methylphenol	0.00	107	0	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	0.00	65	0	N.D.	
44)	2,4-Dinitrotoluene	0.00	165	0	N.D.	
45)	Diethylphthalate	0.00	149	0	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	0.00	77	0	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	0.00	178	0	N.D.	
56)	Anthracene	0.00	178	0	N.D.	
57)	Di-n-butylphthalate	0.00	149	0	N.D.	
58)	Fluoranthene	0.00	202	0	N.D.	
60)	3,3'-Dichlorobenzidine	0.00	252	0	N.D.	
61)	Benzidine	0.00	184	0	N.D.	
63)	Pyrene	0.00	202	0	N.D.	
64)	Butylbenzylphthalate	0.00	149	0	N.D.	
65)	Benzo(a)anthracene	0.00	228	0	N.D.	
66)	Bis(2-ethylhexyl)phthalate	0.00	149	0	N.D.	
67)	Chrysene	0.00	228	0	N.D.	
69)	Di-n-Octylphthalate	0.00	149	0	N.D.	
70)	Benzo(b)fluoranthene	0.00	252	0	N.D.	

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\SEP2501\22544.D Vial: 10
Acq On : 25 Sep 2001 11:15 pm Operator: 209 GALOS
Sample : GC/MS unknown Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 26 0:04 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 : Thu Sep 13 12:47:04 2001
Response via : Initial Calibration
DataAcq Meth : NP091101

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

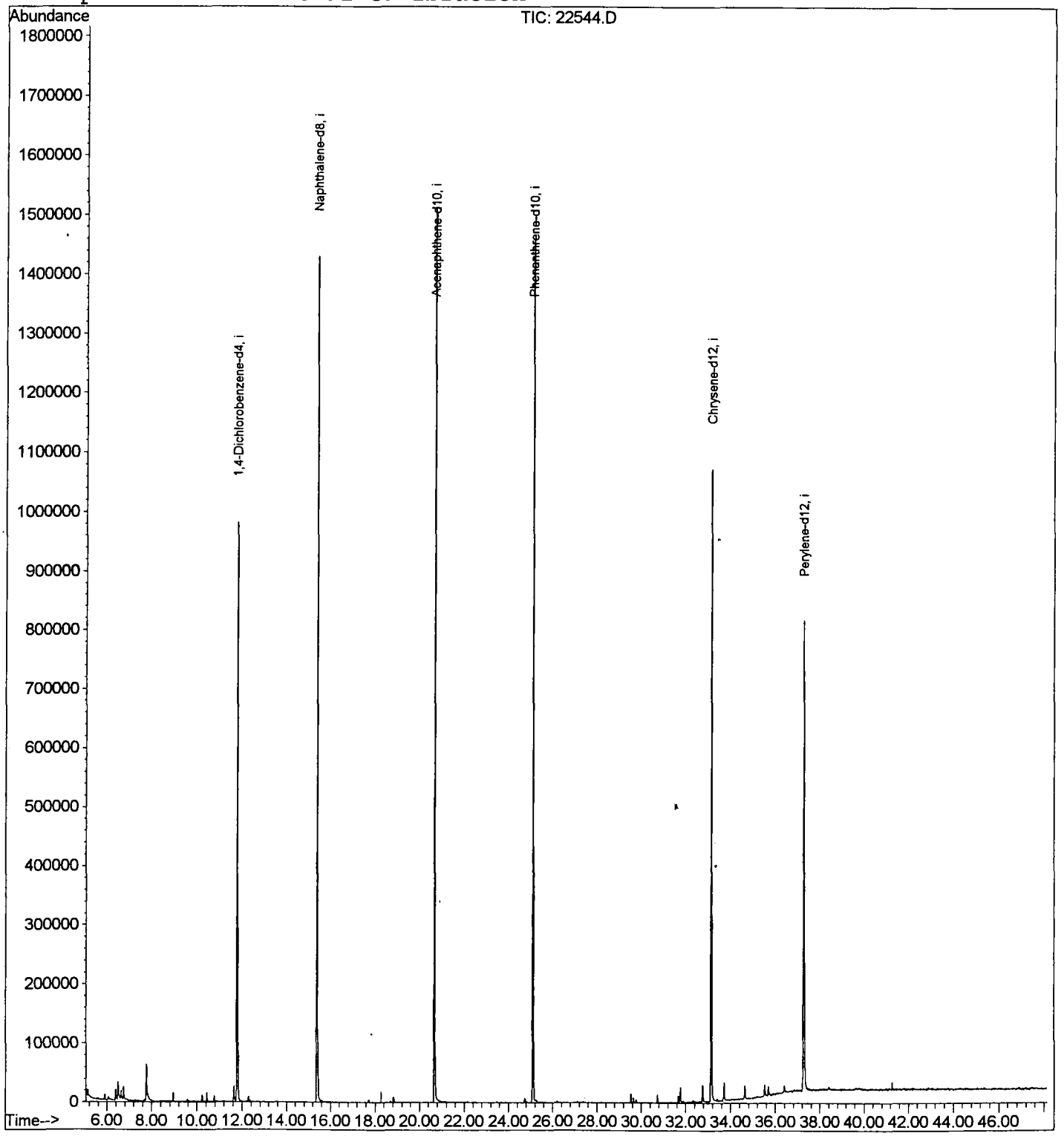
(#) = qualifier out of range (m) = manual integration

Quantitation Report

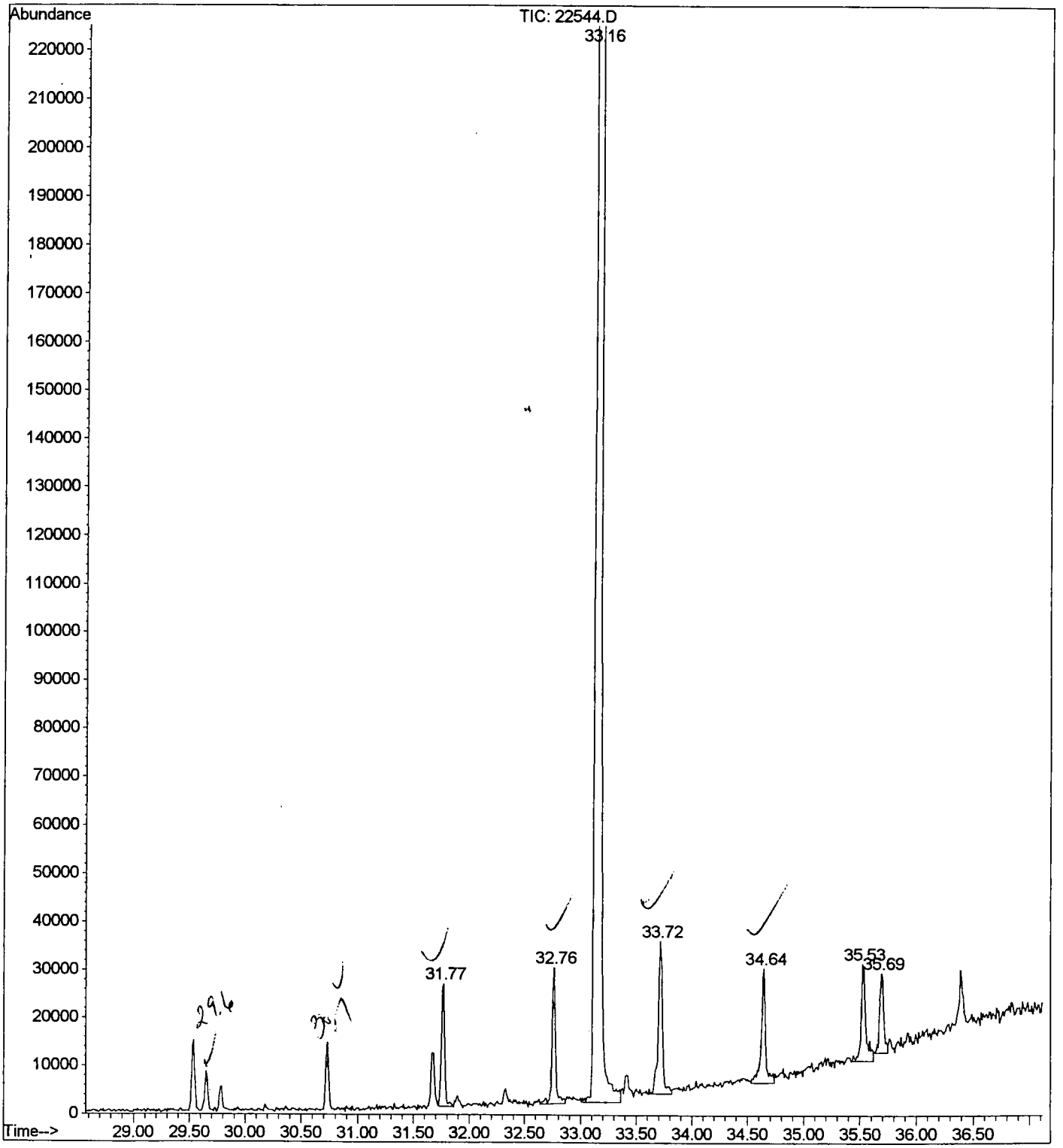
Data File : C:\HPCHEM\1\DATA\SEP2501\22544.D
Acq On : 25 Sep 2001 11:15 pm
Sample : GC/MS unknown
Misc :
MS Integration Params: RTEINT.P
Quant Time: Sep 26 0:04 2001

Vial: 10
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00
Quant Results File: NP091101.RES

Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)
Title : 209 625/TCLP calibration table 7/16/01
Last Update : Thu Sep 13 12:47:04 2001
Response via : Initial Calibration



File : C:\HPCHEM\1\DATA\SEP2501\22544.D
Operator : 209 GALOS
Acquired : 25 Sep 2001 11:15 pm using AcqMethod NP091101
Instrument : GC/MS 209
Sample Name: GC/MS unknown
Misc Info :
Vial Number: 10



LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\SEP2501\22544.D Vial: 10
Acq On : 25 Sep 2001 11:15 pm 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\NP091101.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

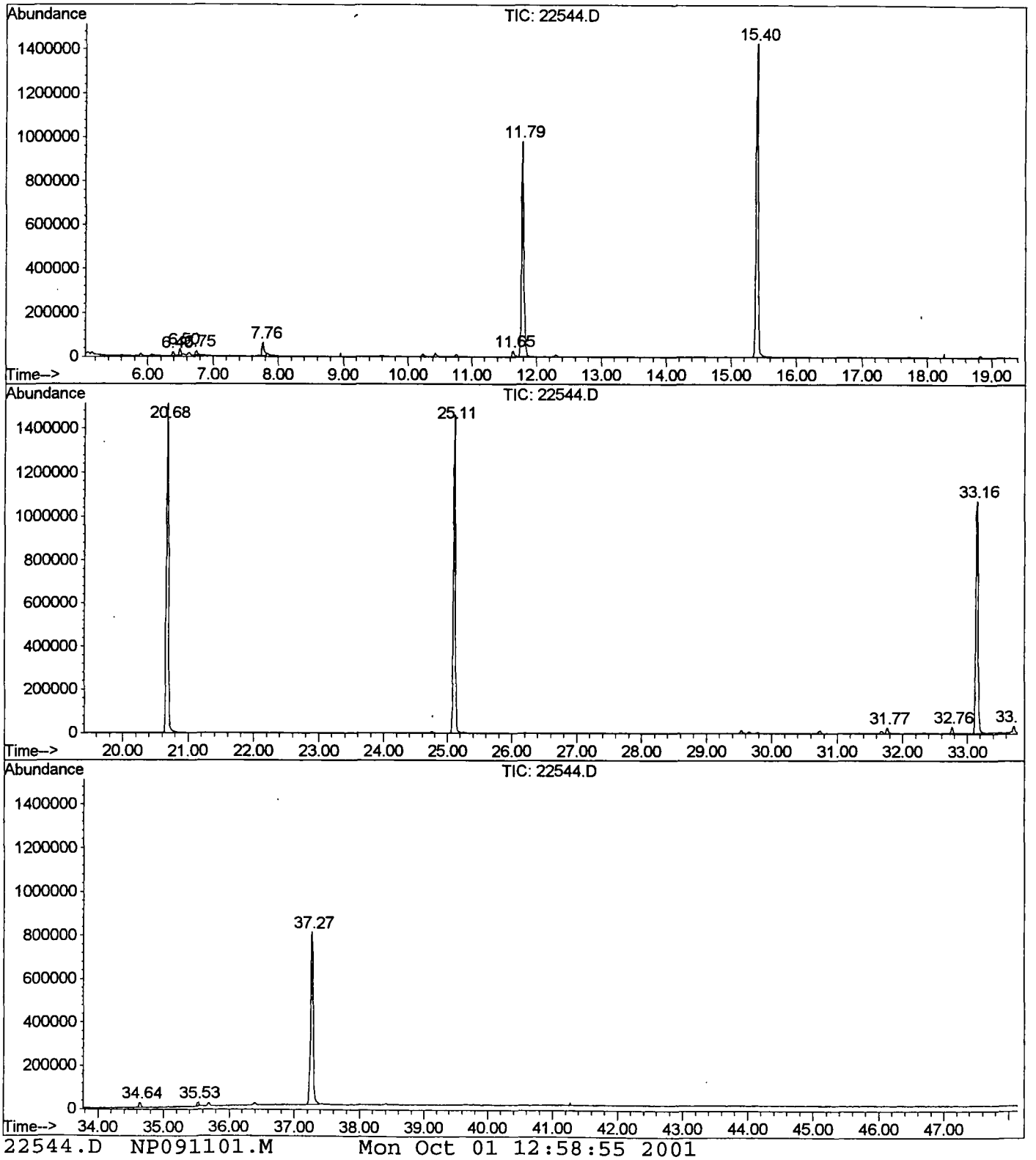
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	6.396	144	148	155	rBV	17350	37591	1.12%	0.215%
2	6.497	155	159	162	rBV	30101	58595	1.74%	0.335%
3	6.745	182	186	192	rBV	21060	43680	1.30%	0.250%
4	7.764	293	297	303	rBV	62006	140923	4.19%	0.806%
5	11.647	715	720	729	rVB	26950	63800	1.90%	0.365%
6	11.785	729	735	751	rBV	981459	2407339	71.55%	13.768%
7	15.402	1122	1129	1145	rBV	1429064	3287432	97.71%	18.802%
8	20.681	1697	1704	1722	rBV	1512547	3364469	100.00%	19.242%
9	25.115	2180	2187	2199	rBV	1460493	3068790	91.21%	17.551%
10	31.771	2907	2912	2916	rVV	25303	50792	1.51%	0.290%
11	32.762	3014	3020	3025	rBV	28145	56768	1.69%	0.325%
12	33.157	3055	3063	3078	rBV2	1068787	2524308	75.03%	14.437%
13	33.717	3120	3124	3130	rVB2	30363	63053	1.87%	0.361%
14	34.644	3220	3225	3230	rVB	22270	47075	1.40%	0.269%
15	35.525	3318	3321	3327	rVB	17848	36229	1.08%	0.207%
16	37.270	3502	3511	3523	rBV2	793928	2234066	66.40%	12.777%

Sum of corrected areas: 17484910

22544.D NP091101.M Mon Oct 01 12:58:53 2001

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\SEP2501\22544.D
Operator : 209 GALOS
Acquired : 25 Sep 2001 11:15 pm using AcqMethod NP091101
Instrument : GC/MS 209
Sample Name: GC/MS unknown
Misc Info :
Vial Number: 10
Quant File :NP091101.RES (RTE Integrator)



22544.D NP091101.M Mon Oct 01 12:58:55 2001

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\SEP2501\22544.D
Acq On : 25 Sep 2001 11:15 pm
Sample : GC/MS unknown
Misc :
MS Integration Params: LSCINT.P

Vial: 10
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

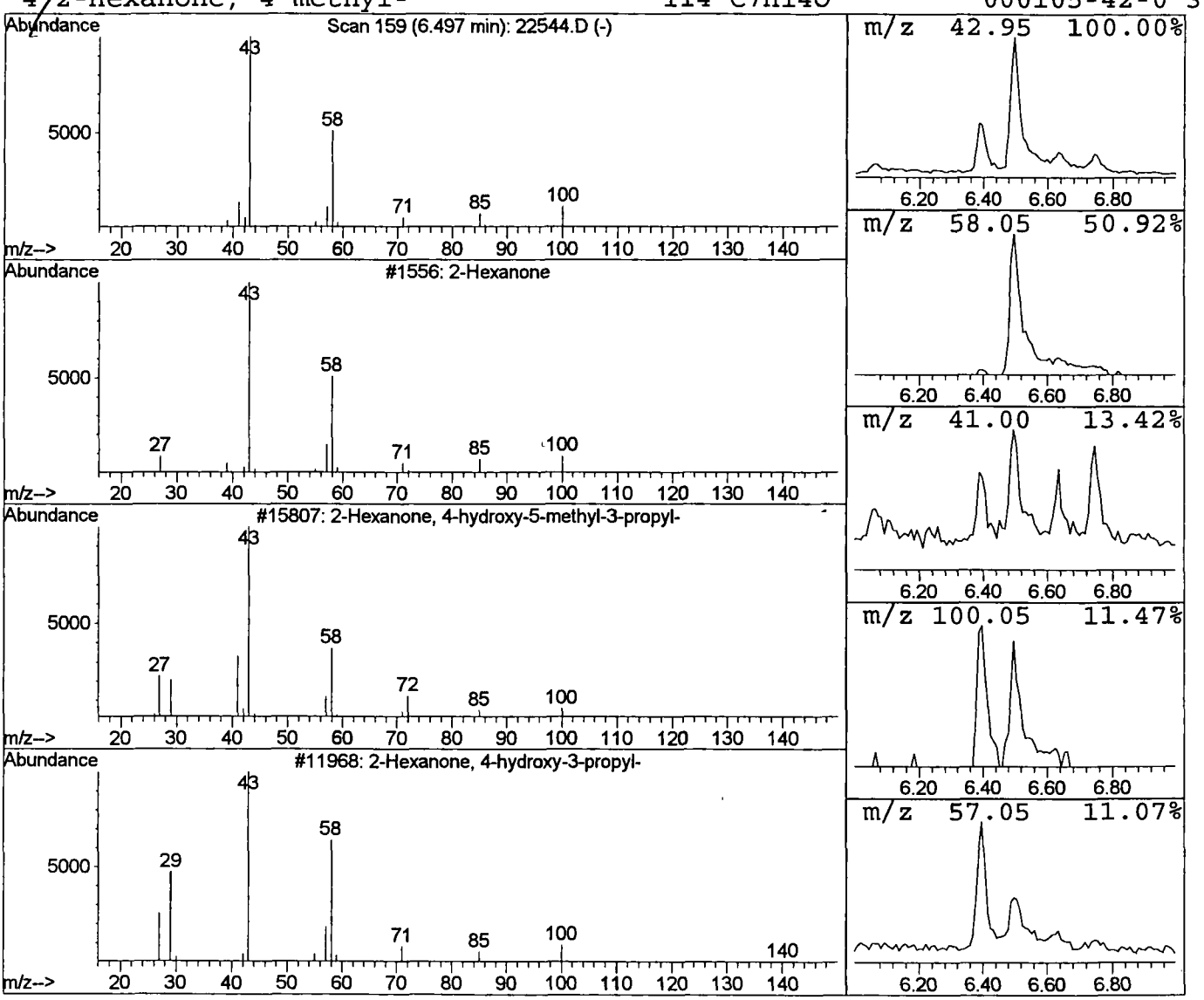
Quant Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)
Title : 209 625/TCLP calibration table 7/16/01
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 2-Hexanone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.50	0.49 ug/l	58595	1,4-Dichlorobenzene-d4	11.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexanone	100	C6H12O	000591-78-6	90
2	2-Hexanone, 4-hydroxy-5-methyl-3-pr	172	C10H20O2	061141-74-0	74
3	2-Hexanone, 4-hydroxy-3-propyl-	158	C9H18O2	062338-17-4	72
4	2-Hexanone, 4-methyl-	114	C7H14O	000105-42-0	39



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\SEP2501\22544.D
Acq On : 25 Sep 2001 11:15 pm
Sample : GC/MS unknown
Misc :
MS Integration Params: LSCINT.P

Vial: 10
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

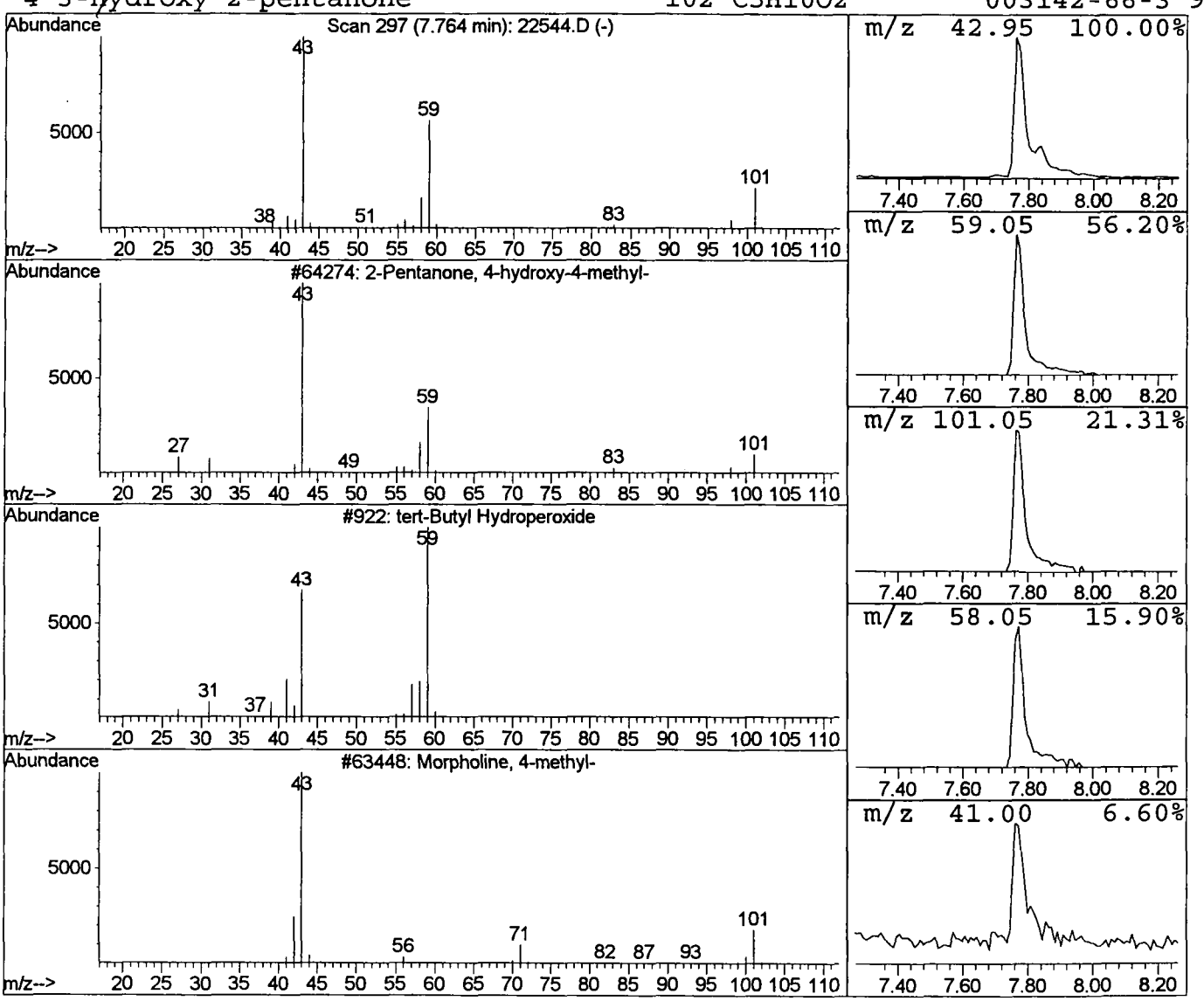
Quant Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)
Title : 209 625/TCLP calibration table 7/16/01
Library : C:\DATABASE\NBS75K.L

****

Peak Number 2 2-Pentanone, 4-hydroxy-4-methy Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.76	1.17 ug/l	140923	1,4-Dichlorobenzene-d4	11.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	40
2	tert-Butyl Hydroperoxide	90	C4H10O2	000075-91-2	25
3	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
4	3-Hydroxy-2-pentanone	102	C5H10O2	003142-66-3	9



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\SEP2501\22544.D
Acq On : 25 Sep 2001 11:15 pm
Sample : GC/MS unknown
Misc :
MS Integration Params: LSCINT.P

Vial: 10
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

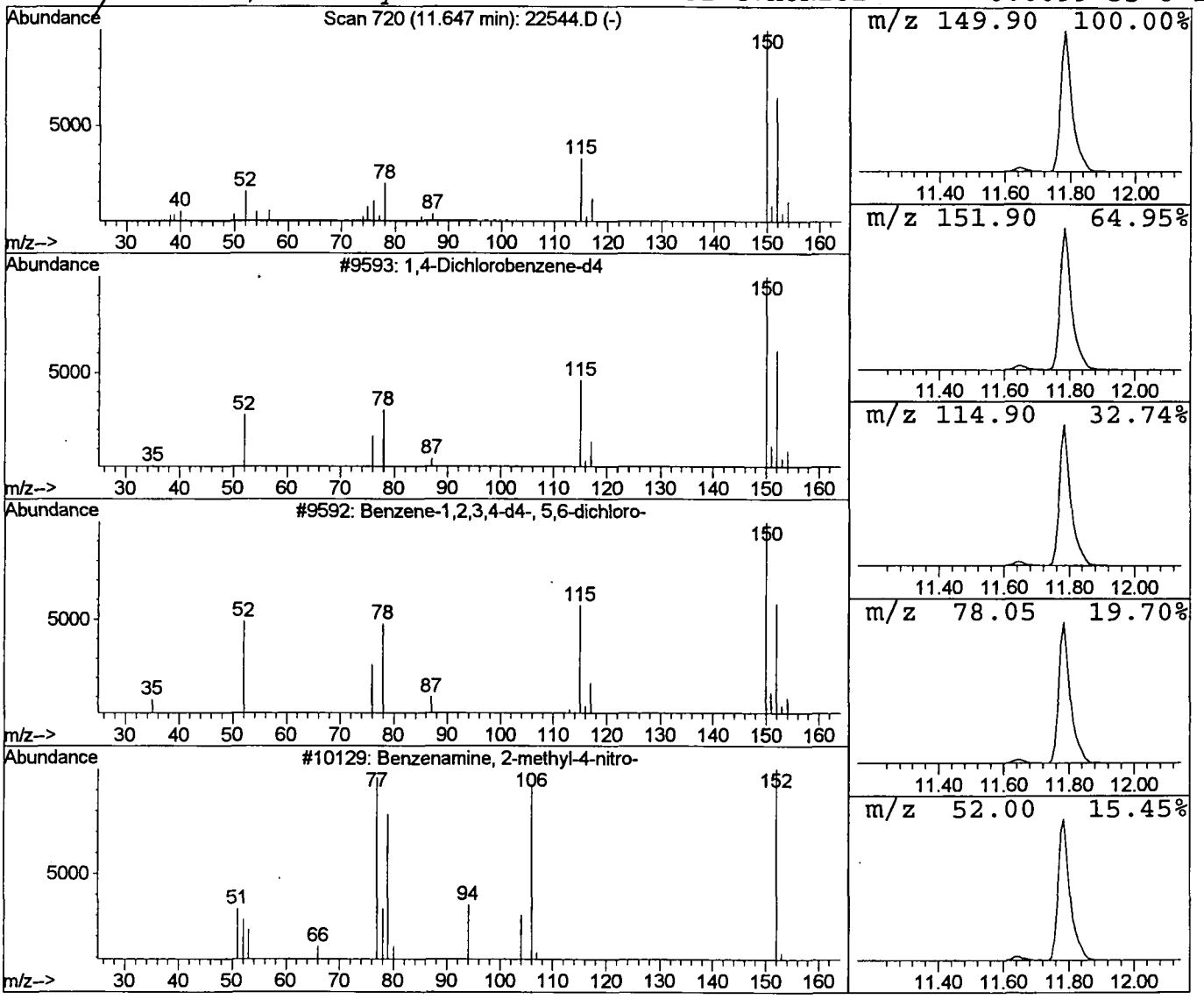
Quant Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)
Title : 209 625/TCLP calibration table 7/16/01
Library : C:\DATABASE\NBS75K.L

****

Peak Number 3 1,4-Dichlorobenzene-d4 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.65	0.53 ug/l	63800	1,4-Dichlorobenzene-d4	11.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Dichlorobenzene-d4	150	C6Cl2D4	003855-82-1	53
2	Benzene-1,2,3,4-d4-, 5,6-dichloro-	150	C6Cl2D4	002199-69-1	35
3	Benzenamine, 2-methyl-4-nitro-	152	C7H8N2O2	000099-52-5	12
4	Benzenamine, 2-methyl-5-nitro-	152	C7H8N2O2	000099-55-8	10



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\SEP2501\22544.D
Acq On : 25 Sep 2001 11:15 pm
Sample : GC/MS unknown
Misc :
MS Integration Params: LSCINT.P

Vial: 10
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

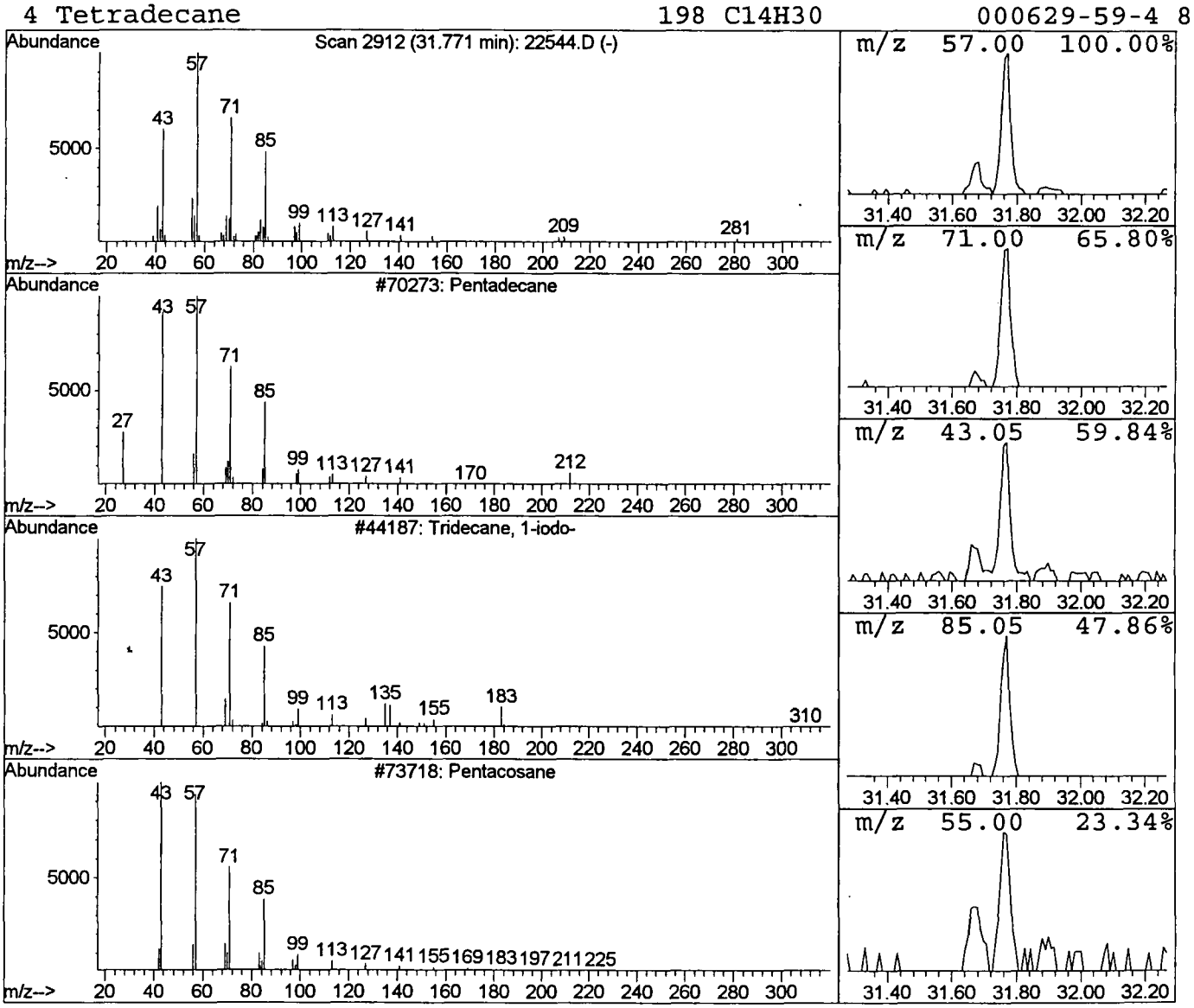
Quant Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)
Title : 209 625/TCLP calibration table 7/16/01
Library : C:\DATABASE\NBS75K.L

****

Peak Number 4 Pentadecane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
31.77	0.40 ug/l	50792	Chrysene-d12	33.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane	212	C15H32	000629-62-9	90
2	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	86
3	Pentacosane	352	C25H52	000629-99-2	86
4	Tetradecane	198	C14H30	000629-59-4	86



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\SEP2501\22544.D
Acq On : 25 Sep 2001 11:15 pm
Sample : GC/MS unknown
Misc :
MS Integration Params: LSCINT.P

Vial: 10
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

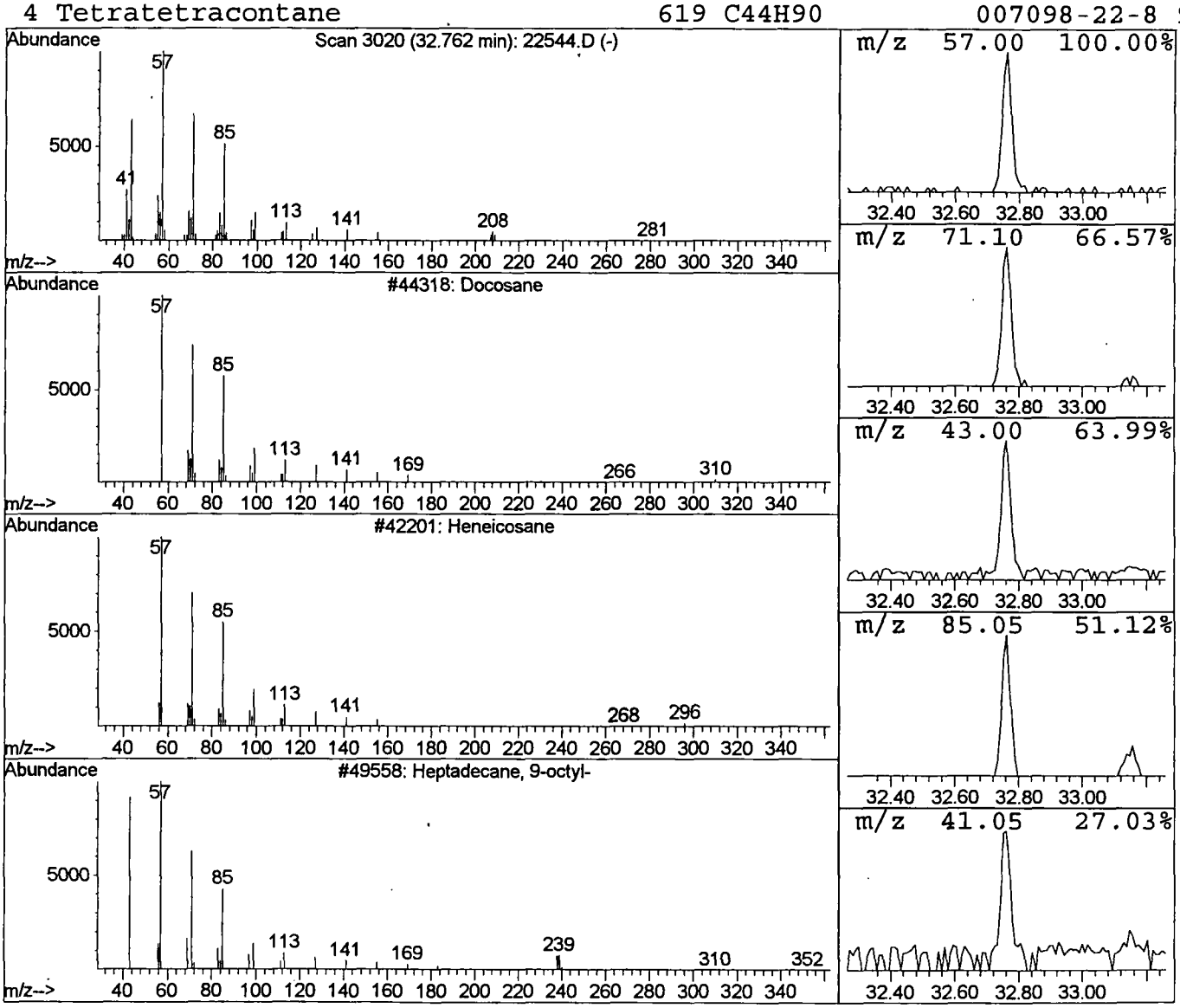
Quant Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)
Title : 209 625/TCLP calibration table 7/16/01
Library : C:\DATABASE\NBS75K.L

****

Peak Number 5 Docosane — Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
32.76	0.45 ug/l	56768	Chrysene-d12	33.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Docosane	310	C22H46	000629-97-0	91
2	Heneicosane	296	C21H44	000629-94-7	91
3	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	91
4	Tetratetracontane	619	C44H90	007098-22-8	91



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\SEP2501\22544.D
Acq On : 25 Sep 2001 11:15 pm
Sample : GC/MS unknown
Misc :
MS Integration Params: LSCINT.P

Vial: 10
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

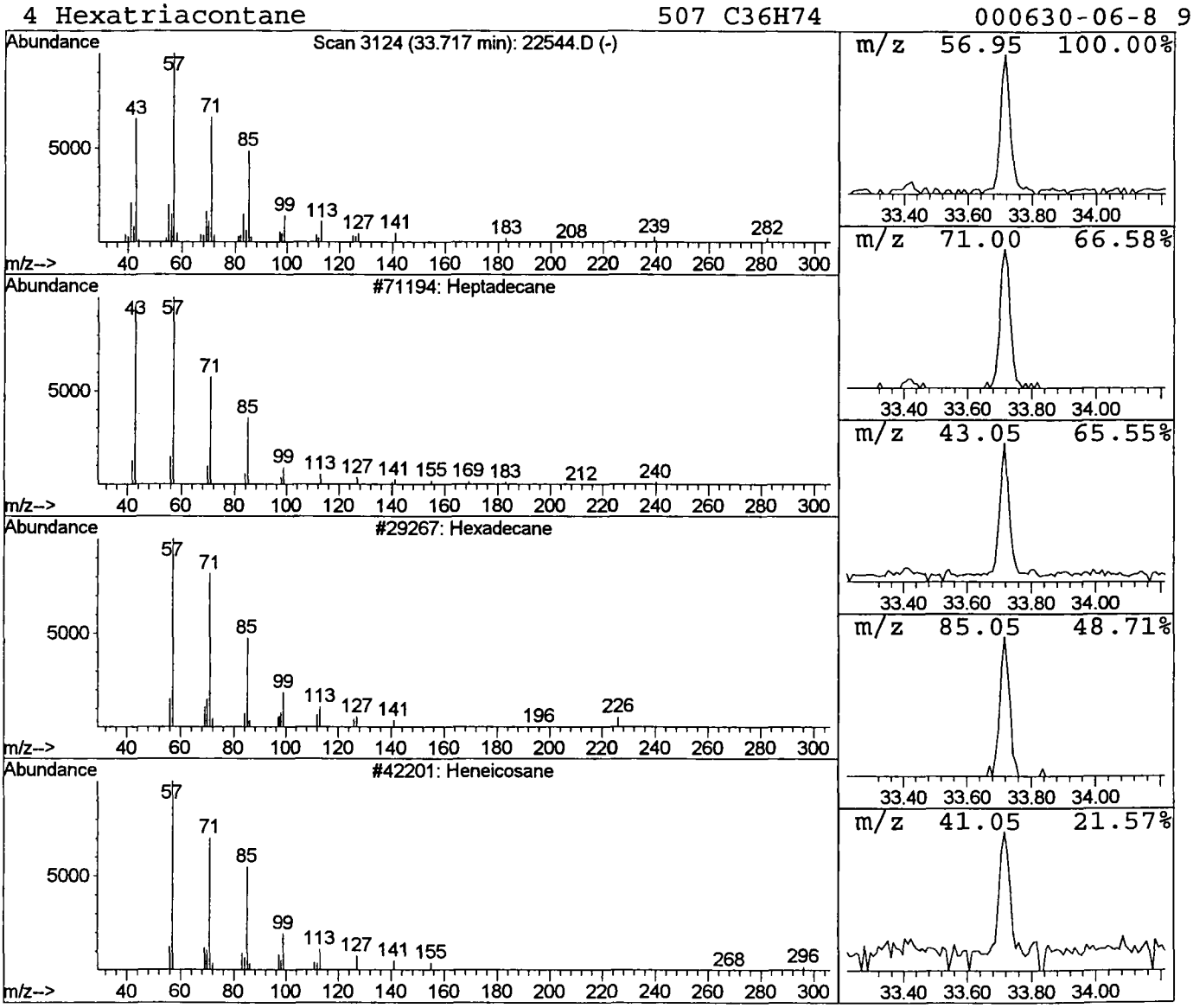
Quant Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)
Title : 209 625/TCLP calibration table 7/16/01
Library : C:\DATABASE\NBS75K.L

****

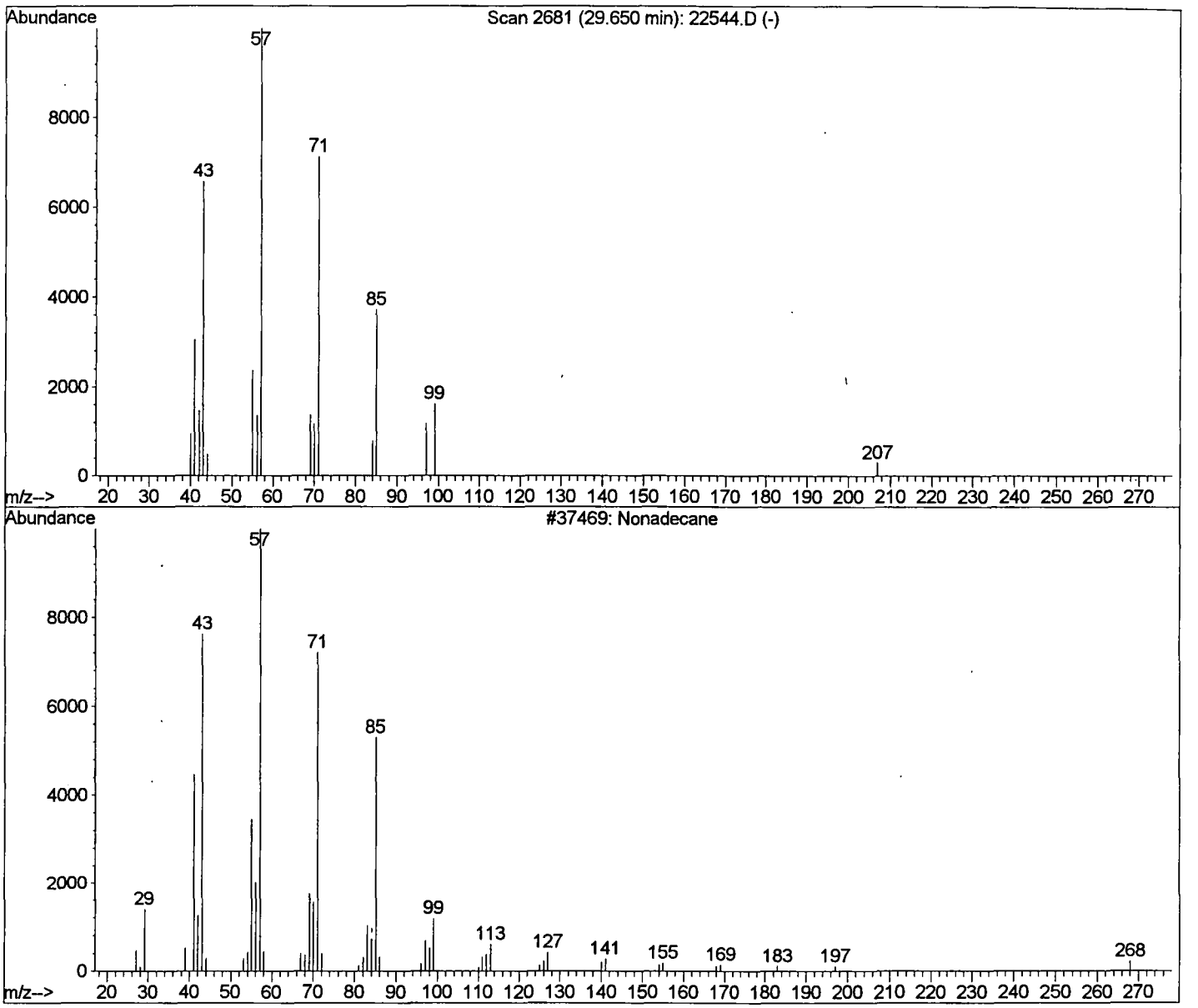
Peak Number 6 Heptadecane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
33.72	0.50 ug/l	63053	Chrysene-d12	33.16

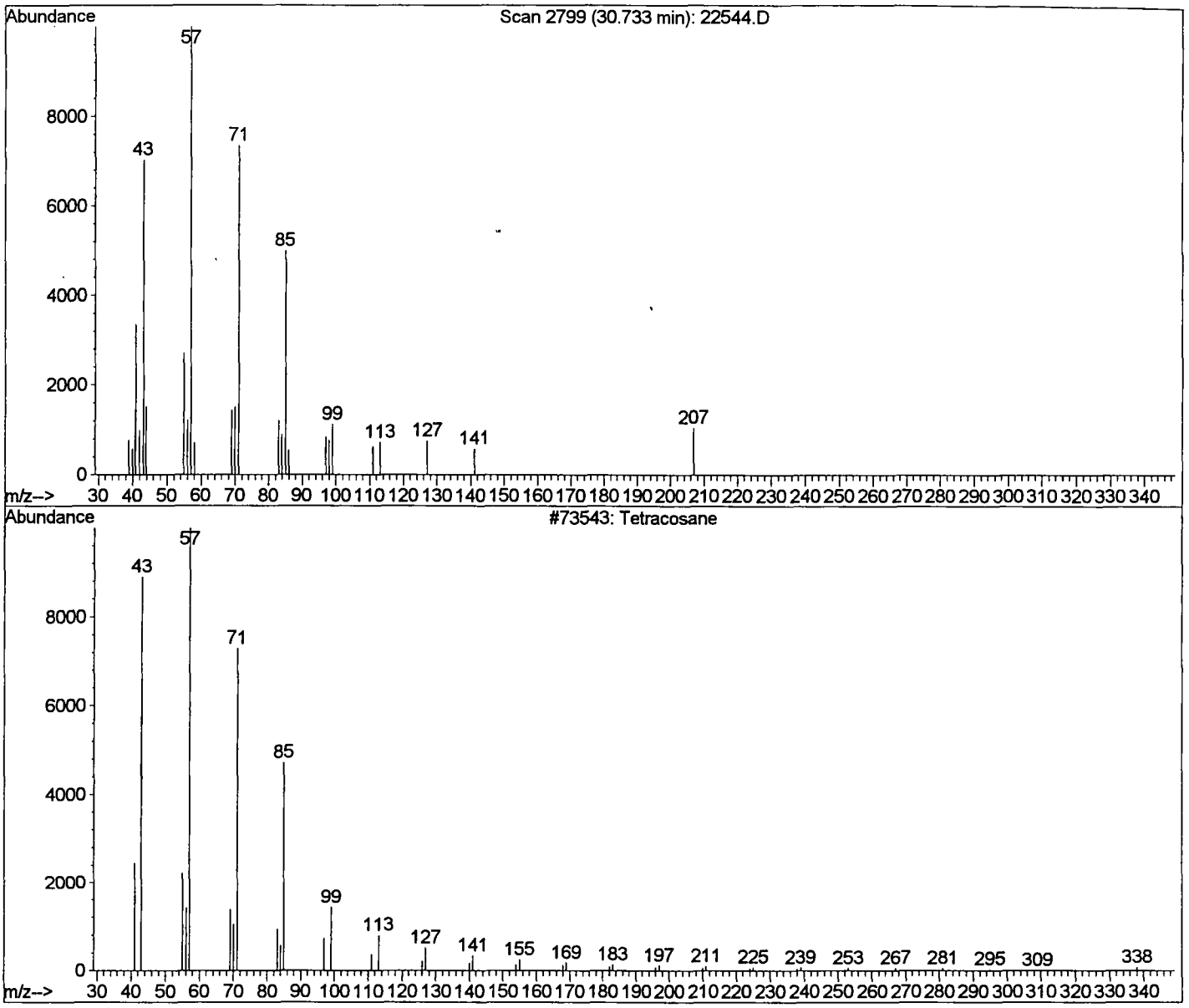
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	94
2	Hexadecane	226	C16H34	000544-76-3	91
3	Heneicosane	296	C21H44	000629-94-7	90
4	Hexatriacontane	507	C36H74	000630-06-8	90



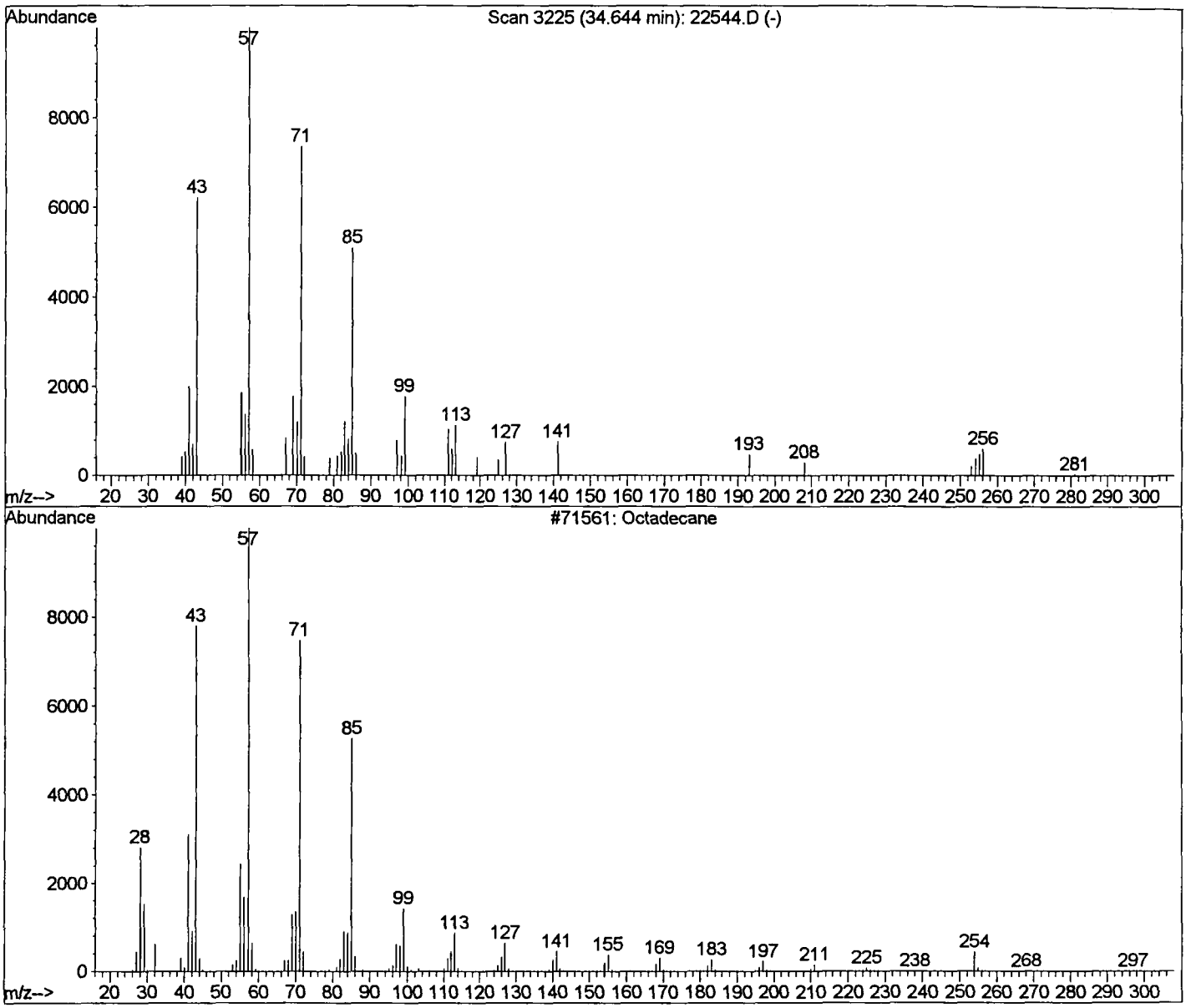
Library Searched : C:\DATABASE\nbs75k.l
Quality : 90
ID : Nonadecane



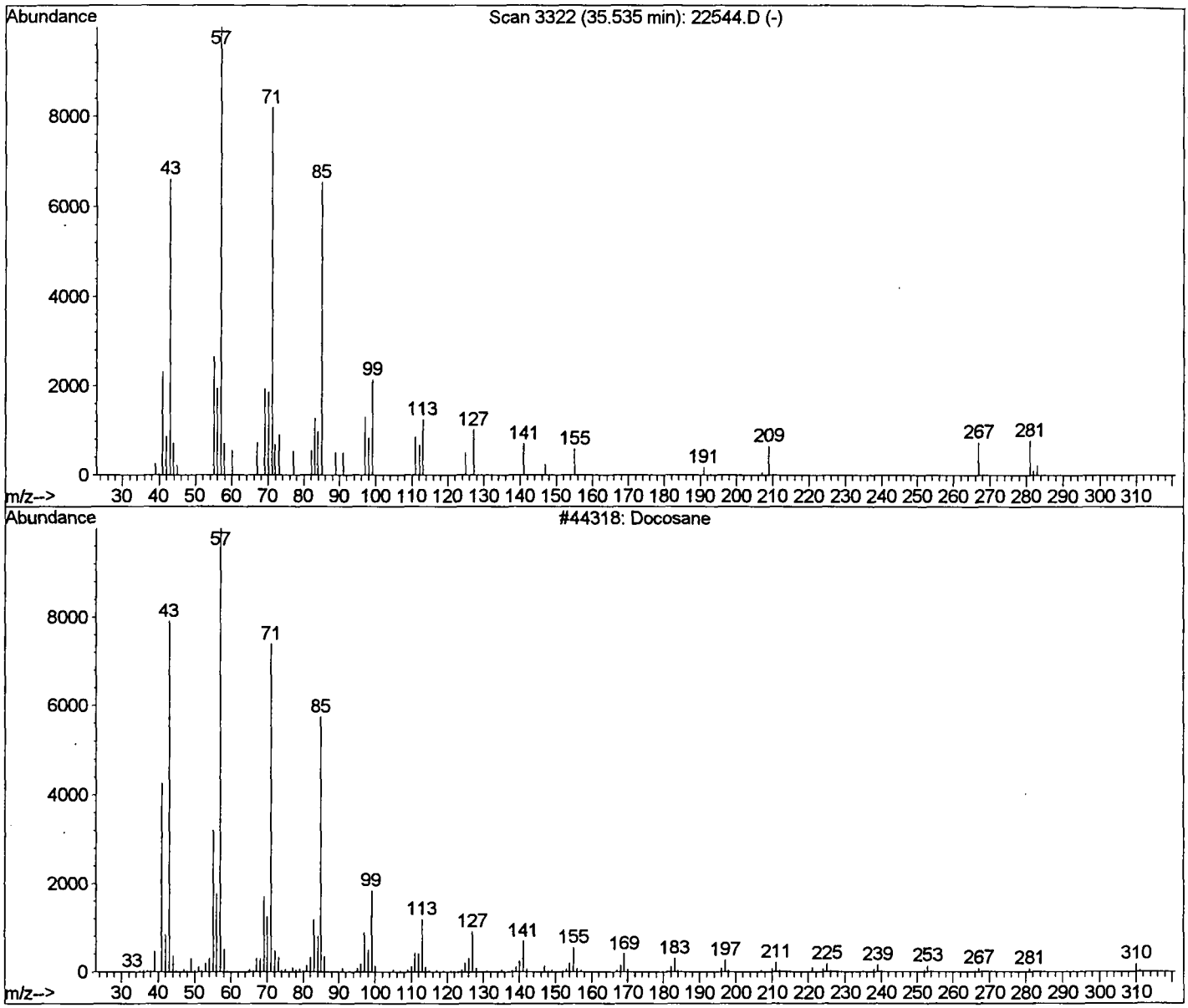
Library Searched : C:\DATABASE\nbs75k.l
Quality : 87
ID : Tetracosane



Library Searched : C:\DATABASE\nbs75k.l
Quality : 96
ID : Octadecane



Library Searched : C:\DATABASE\nbs75k.l
Quality : 90
ID : Docosane



Tentatively Identified Compound (LSC) summary

Operator ID: 209 GALOS Date Acquired: 25 Sep 2001 11:15 pm
Data File: C:\HPCHEM\1\DATA\SEP2501\22544.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
~~2-Hexanone~~	6.50	0.5	ug/l	58595	ISTD01	11.79	2407340	20.0
~~2-Pentanone~~, 4-hydro	7.76	1.2	ug/l	140923	ISTD01	11.79	2407340	20.0
~~1,4-Dichlorobenzene-~~	11.65	0.5	ug/l	63800	ISTD01	11.79	2407340	20.0
✓ Pentadecane	31.77	0.4	ug/l	50792	ISTD05	33.16	2524310	20.0
✓ Docosane or others	32.76	0.4	ug/l	56768	ISTD05	33.16	2524310	20.0
✓ Heptadecane	33.72	0.5	ug/l	63053	ISTD05	33.16	2524310	20.0

22544.D NP091101.M Mon Oct 01 12:59:11 2001