User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 05/10/2002 Time: 09:53:13

Sample: AE08951
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 4/29/02 09:01 Ended: 4/29/02 09:01 Analyst: DLV
Result source: manual entry
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr_2,4-DDD		77		10.0

Comments for Sample AE08951 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 05-10-2002 Time: 09:53:38

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds. This sample will be reextracted because of the low Suroogate Standard recovery. Re-analysis yielded a Surrogate Standard recovery of 77%.

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Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\MAY0602\8951.D Vial: 8
Acq On : 6 May 2002 11:10 pm Operator:
Sample : GC/MS SCAN 4/24 Inst : 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: May 8 9:45 2002 Quant Results File: GCMS0501.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS0501.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Wed May 01 10:40:31 2002
Response via : Initial Calibration
DataAcq Meth : GCMS0501

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	12.19	152	490201	40.00	ug/l	-0.02
10) Naphthalene-d8	15.83	136	1814198	40.00	ug/l	-0.02
17) Acenaphthene-d10	21.13	164	990811	40.00	ug/l	-0.01
30) Phenanthrene-d10	25.58	188	1415156	40.00	ug/l	-0.01
38) Chrysene-d12	33.63	240	911175	40.00	ug/l	-0.03
44) Perylene-d12	37.87	264	580719	40.00	ug/l	-0.01
System Monitoring Compounds						
28) TCMX	23.27	209	37230	7.72	ug/L	-0.02
Spiked Amount 10.000			Recovery = 77.20%			
Target Compounds						Qvalue
2) N-nitroso-dimethyl amine	0.00	74	0	N.D.		
3) bis(2-Chloroethyl)ether	0.00	93	0	N.D.		
4) 1,3-Dichlorobenzene	12.24	146	196	N.D.		
5) 1,4-Dichlorobenzene	12.24	146	196	N.D.		
6) 1,2-Dichlorobenzene	0.00	146	0	N.D.		
7) 2,2'-oxybis(1-Chloropropan	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)methane	0.00	93	0	N.D.		
14) 1,2,4-Trichlorobenzene	0.00	180	0	N.D.		
15) Naphthalene	15.88	128	310	N.D.		
16) Hexachlorobutadiene	16.43	225	191	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.		
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	22.61	149	855	N.D.		
26) 4-Chlorophenyl-phenylether	0.00	204	0	N.D.		
27) Fluorene	0.00	166	0	N.D.		
29) Azobenzen/ 1,2-Diphenylhyd	0.00	77	0	N.D.		
31) N-Nitrosodiphenylamine	0.00	168	0	N.D.		
32) 4-Bromophenyl-phenylether	0.00	248	0	N.D.		
33) Hexachlorobenzene	0.00	284	0	N.D.		
34) Phenanthrene	25.57	178	324	N.D.		

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

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Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\MAY0602\8951.D Vial: 8
Acq On : 6 May 2002 11:10 pm Operator:
Sample : GC/MS SCAN 4/24 Inst : 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: May 8 9:45 2002 Quant Results File: GCMS0501.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS0501.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Wed May 01 10:40:31 2002
Response via : Initial Calibration
DataAcq Meth : GCMS0501

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
35)	Anthracene	25.57	178	324	N.D.	
36)	Di-n-butylphthalate	27.55	149	6017	N.D.	
37)	Fluoranthene	0.00	202	0	N.D.	
39)	Pyrene	0.00	202	0	N.D.	
40)	Butylbenzylphthalate	0.00	149	0	N.D.	
41)	Benzo(a)anthracene	33.63	228	3195	N.D.	
42)	Bis(2-ethylhexyl)phthalate	33.85	149	15029	0.69 ug/l	99
43)	Chrysene	33.71	228	1069	N.D.	
45)	Di-n-Octylphthalate	35.59	149	837	N.D.	
46)	Benzo(b)fluoranthene	36.69	252	1879	N.D.	
47)	Benzo(k)fluoranthene	36.76	252	2459	N.D.	
48)	Benzo(a)pyrene	37.67	252	1422	N.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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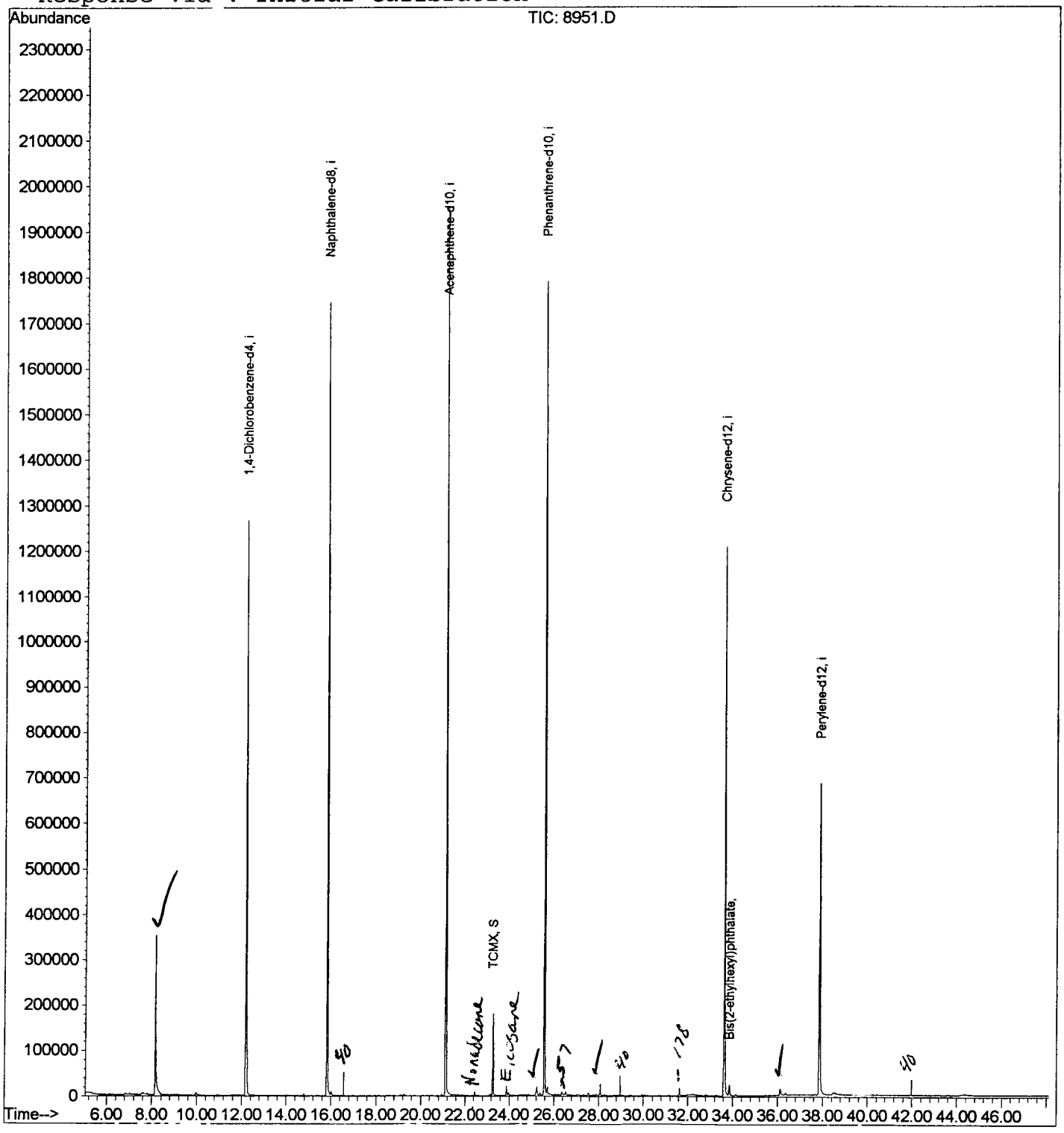
NYC 9/11 Public Portal Document

Quantitation Report

Data File : C:\HPCHEM\1\DATA\MAY0602\8951.D Vial: 8
Acq On : 6 May 2002 11:10 pm Operator:
Sample : GC/MS SCAN 4/24 Inst : 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: May 8 9:45 2002 Quant Results File: GCMS0501.RES

Method : C:\HPCHEM\1\METHODS\GCMS0501.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Wed May 01 10:40:31 2002
Response via : Initial Calibration



NYC-WTC_000043623

NYC 9/11 Public Portal Document

LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\MAY0602\8951.D Vial: 8
Acq On : 6 May 2002 11:10 pm Operator:
Sample : GC/MS SCAN 4/24 Inst : 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\GCMS0501.M (RTE Integrator)
Title : 209 625/TCLP calibration table
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	8.159	336	340	372	rVB	351051	809381	20.17%	3.959%
2	12.191	775	780	797	rVB	1264922	2816170	70.19%	13.773%
3	15.829	1171	1177	1192	rBV	1744120	3607803	89.92%	17.645%
4	21.134	1749	1756	1778	rBV	1954303	4012362	100.00%	19.624%
5	23.269	1982	1989	1996	rVB	179785	356470	8.88%	1.743%
6	23.883	2049	2056	2061	rBV	21620	40835	1.02%	0.200%
7	25.240	2195	2204	2210	rBV3	18711	60169	1.50%	0.294%
8	25.579	2234	2241	2251	rBV2	1788193	3805042	94.83%	18.610%
9	28.080	2509	2514	2519	rVB	25299	45300	1.13%	0.222%
10	33.633	3113	3120	3137	rBV2	1207575	2731919	68.09%	13.361%
11	33.853	3139	3144	3155	rVB	23484	58325	1.45%	0.285%
12	36.126	3386	3392	3401	rBV3	13953	45561	1.14%	0.223%
13	37.867	3573	3582	3603	rBV2	683002	2057312	51.27%	10.062%

Sum of corrected areas: 20446649

8951.D GCMS0501.M Wed May 08 11:51:37 2002

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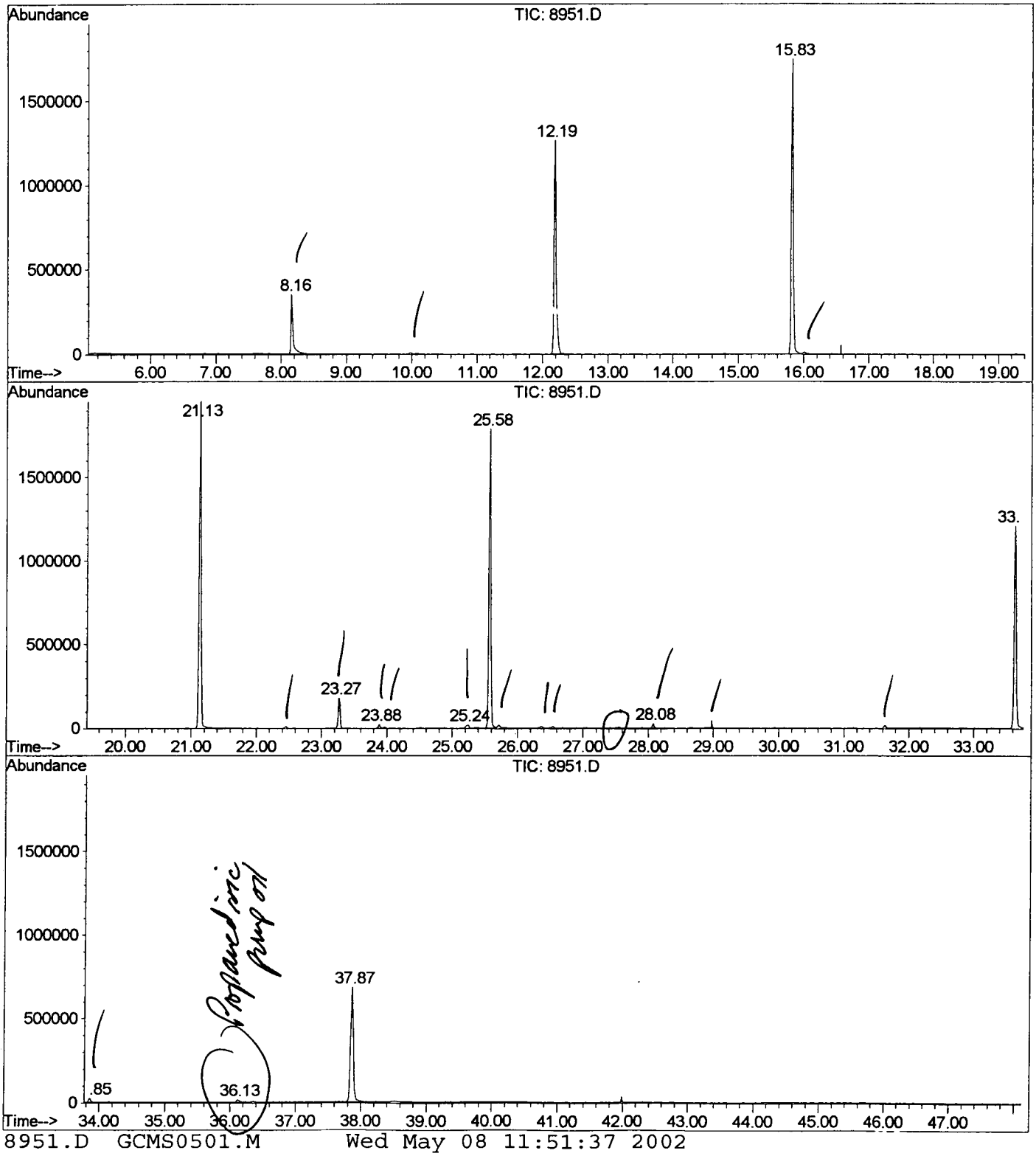
LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\MAY0602\8951.D
Operator :
Acquired : 6 May 2002 11:10 pm using AcqMethod GCMS0501
Instrument : 209
Sample Name: GC/MS SCAN 4/24
Misc Info :
Vial Number: 8
Quant File :GCMS0501.RES (RTE Integrator)



8951.D GCMS0501.M Wed May 08 11:51:37 2002

NYC-WTC_000043625

NYC 9/11 Public Portal Document

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\MAY0602\8951.D
Acq On : 6 May 2002 11:10 pm
Sample : GC/MS SCAN 4/24
Misc :
MS Integration Params: LSCINT.P

Vial: 8
Operator:
Inst : 209
Multiplr: 1.00

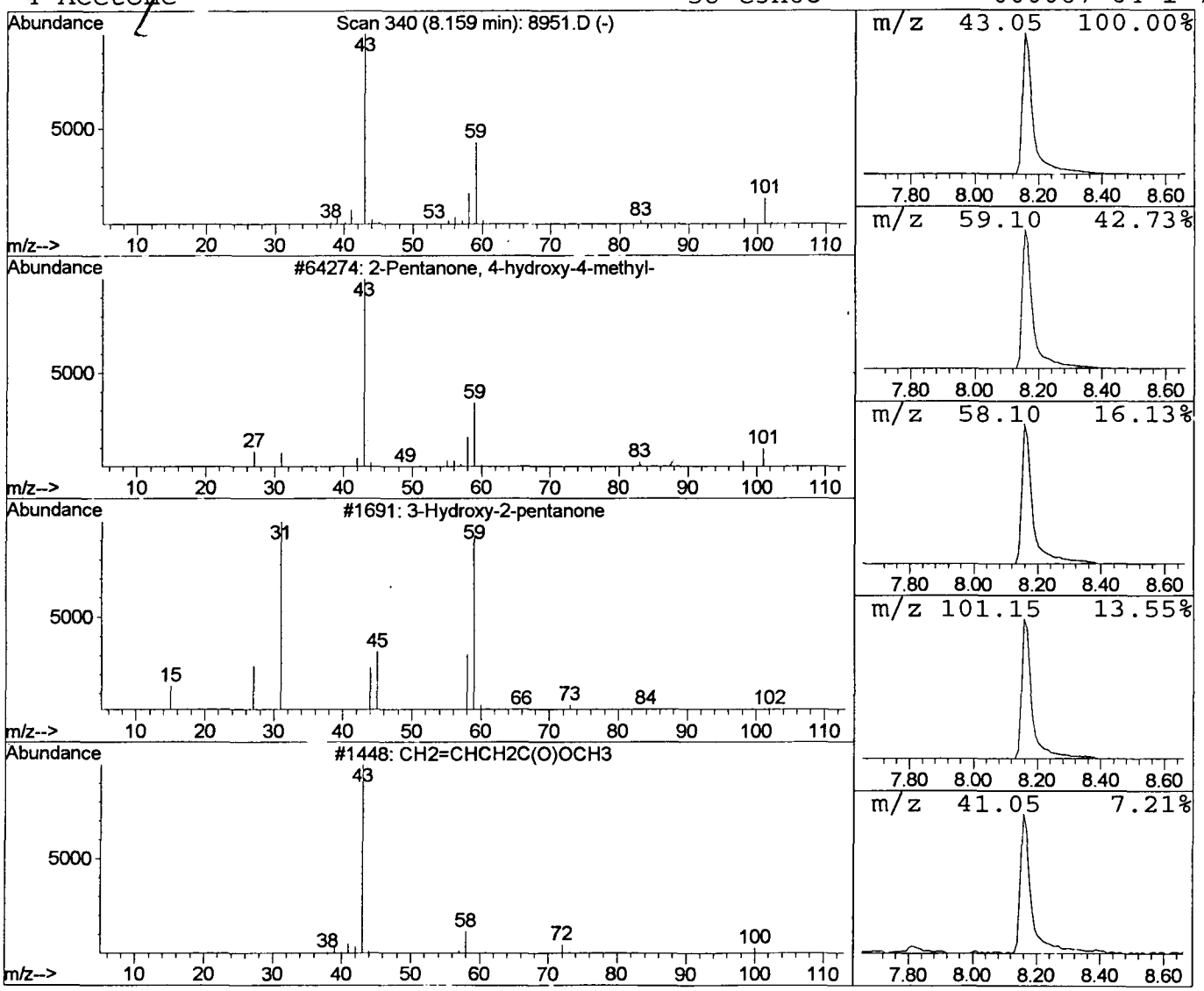
Quant Method : C:\HPCHEM\1\METHODS\GCMS0501.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.16	11.50 ug/l	809381	1,4-Dichlorobenzene-d4	12.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	3-Hydroxy-2-pentanone	102	C5H10O2	003142-66-3	9
3	CH2=CHCH2C(O)OCH3	100	C5H8O2	003724-55-8	9
4	Acetone	58	C3H6O	000067-64-1	7



NYC-WTC_000043626

NYC 9/11 Public Portal Document

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\MAY0602\8951.D
Acq On : 6 May 2002 11:10 pm
Sample : GC/MS SCAN 4/24
Misc :
MS Integration Params: LSCINT.P

Vial: 8
Operator:
Inst : 209
Multiplr: 1.00

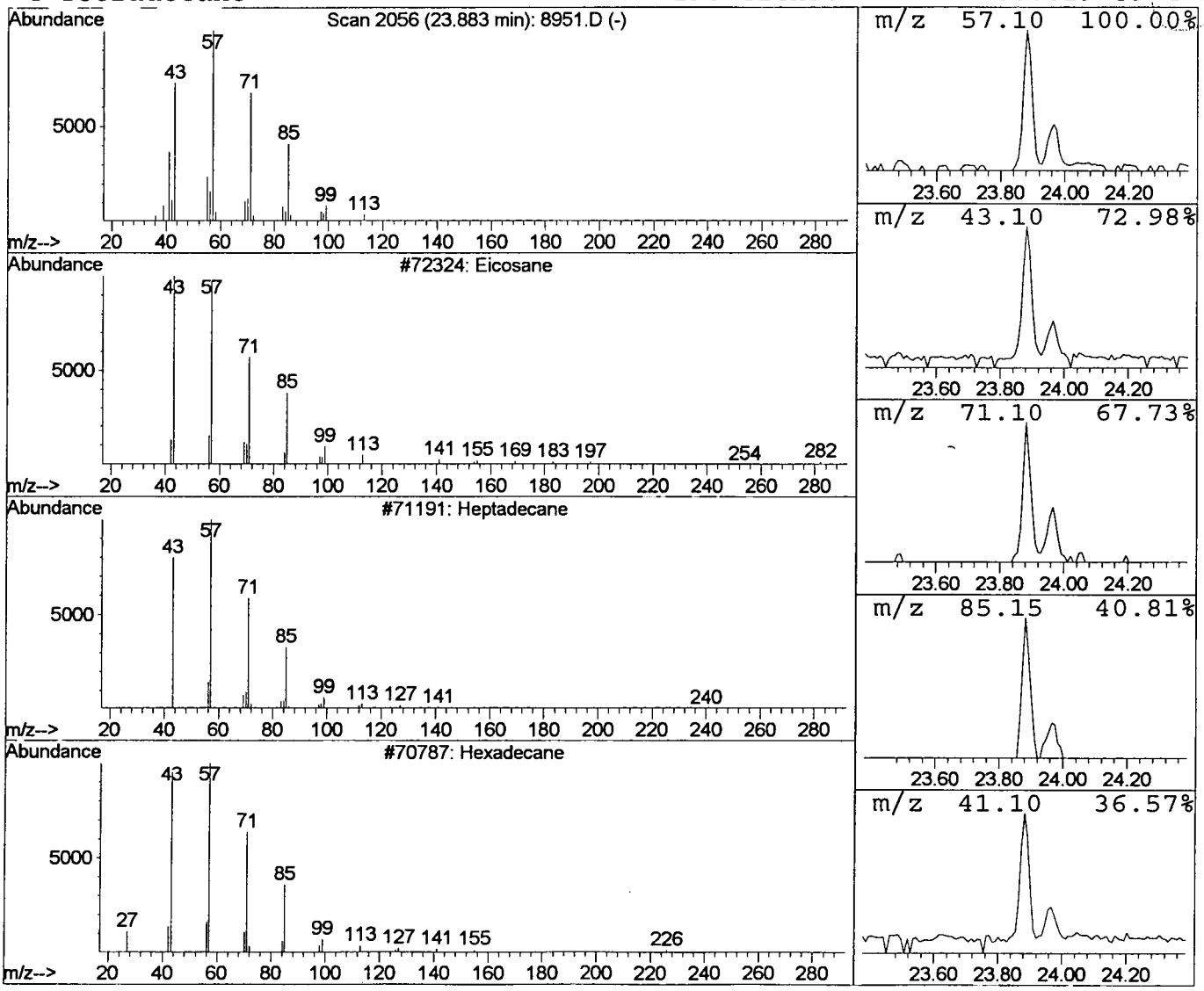
Quant Method : C:\HPCHEM\1\METHODS\GCMS0501.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 2 Eicosane — Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.88	0.43 ug/l	40835	Phenanthrene-d10	25.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	90
2	Heptadecane	240	C17H36	000629-78-7	90
3	Hexadecane	226	C16H34	000544-76-3	86
4	Tetradecane	198	C14H30	000629-59-4	86



NYC-WTC_000043627

NYC 9/11 Public Portal Document

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\MAY0602\8951.D
Acq On : 6 May 2002 11:10 pm
Sample : GC/MS SCAN 4/24
Misc :
MS Integration Params: LSCINT.P

Vial: 8
Operator:
Inst : 209
Multiplr: 1.00

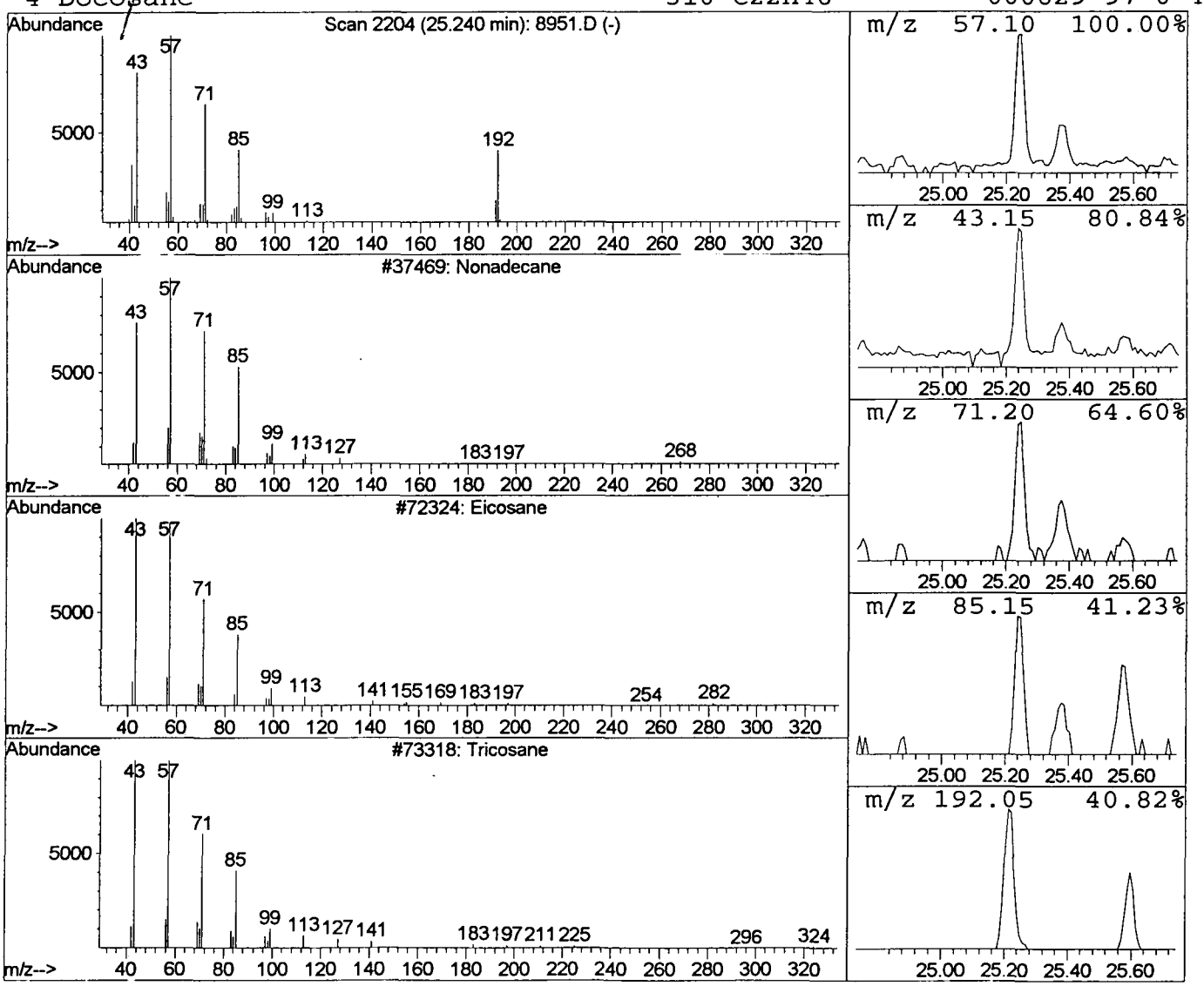
Quant Method : C:\HPCHEM\1\METHODS\GCMS0501.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 3 Nonadecane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.24	0.63 ug/l	60169	Phenanthrene-d10	25.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	53
2	Eicosane	282	C20H42	000112-95-8	49
3	Tricosane	324	C23H48	000638-67-5	49
4	Docosane	310	C22H46	000629-97-0	49



NYC-WTC_000043628

NYC 9/11 Public Portal Document

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\MAY0602\8951.D Vial: 8
Acq On : 6 May 2002 11:10 pm Operator:
Sample : GC/MS SCAN 4/24 Inst : 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

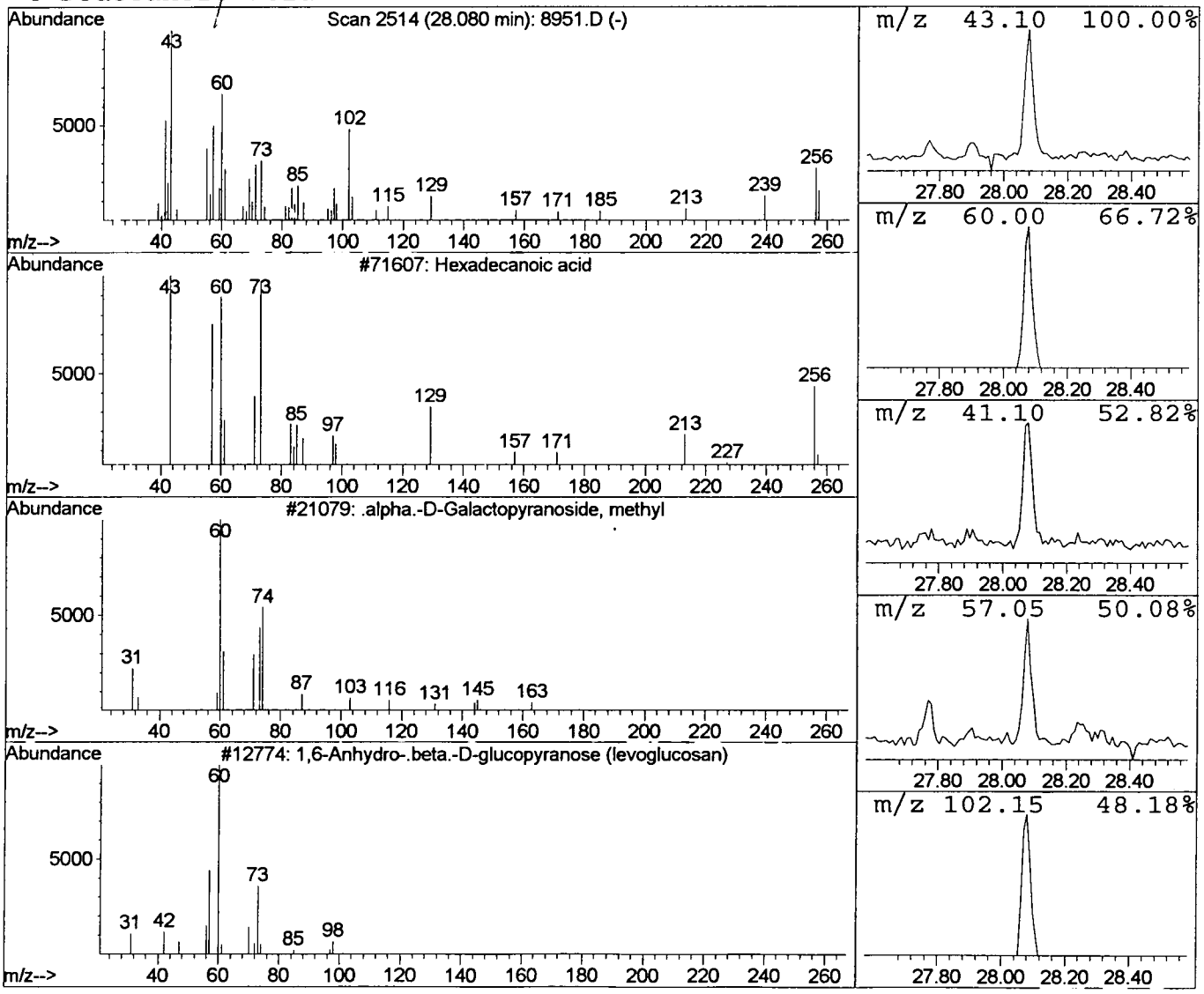
Quant Method : C:\HPCHEM\1\METHODS\GCMS0501.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 4 Hexadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
28.08	0.48 ug/l	45300	Phenanthrene-d10	25.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid	256	C16H32O2	000057-10-3	38
2	.alpha.-D-Galactopyranoside, methyl	194	C7H14O6	003396-99-4	17
3	1,6-Anhydro-.beta.-D-glucopyranose	162	C6H10O5	000498-07-7	12
4	Dodecanoic acid	200	C12H24O2	000143-07-7	12



NYC-WTC_000043629

NYC 9/11 Public Portal Document

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\MAY0602\8951.D Vial: 8
Acq On : 6 May 2002 11:10 pm Operator:
Sample : GC/MS SCAN 4/24 Inst : 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

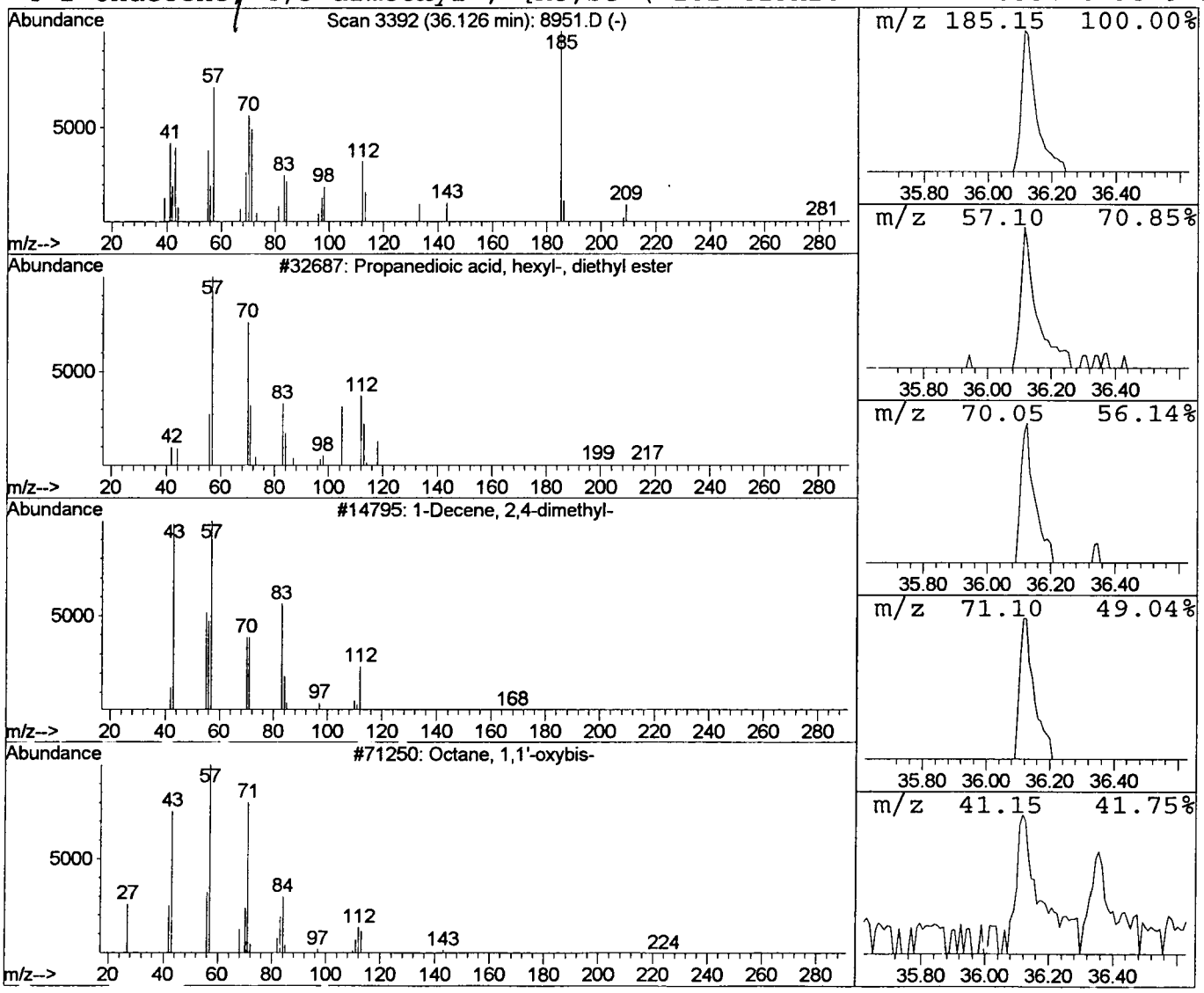
Quant Method : C:\HPCHEM\1\METHODS\GCMS0501.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 5 Propanedioic acid, hexyl-, die Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
36.13	0.89 ug/l	45561	Perylene-d12	37.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propanedioic acid, hexyl-, diethyl	244	C13H24O4	005398-10-7	27
2	1-Decene, 2,4-dimethyl-	168	C12H24	055170-80-4	17
3	Octane, 1,1'-oxybis-	242	C16H34O	000629-82-3	14
4	2-Undecene, 4,5-dimethyl-, [R@,S@-(	182	C13H26	055170-93-9	12



NYC-WTC_000043630

NYC 9/11 Public Portal Document

Tentatively Identified Compound (LSC) summary

Operator ID: Date Acquired: 6 May 2002 11:10 pm
Data File: C:\HPCHEM\1\DATA\MAY0602\8951.D
Name: GC/MS SCAN 4/24
Misc:
Method: C:\HPCHEM\1\METHODS\GCMS0501.M (RTE Integrator)
Title: 209 625/TCLP calibration table
Library Searched: C:\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
2-Pentanone, 4-hydro	8.16	11.5	ug/l	809381	ISTD01	12.19	2816170	40.0
Eicosane	23.88	0.4	ug/l	40835	ISTD04	25.58	3805040	40.0
Nonadecane	25.24	0.6	ug/l	60169	ISTD04	25.58	3805040	40.0
Hexadecanoic acid	28.08	0.5	ug/l	45300	ISTD04	25.58	3805040	40.0
Propanedioic acid, h	36.13	0.9	ug/l	45561	ISTD06	37.87	2057310	40.0

8951.D GCMS0501.M Wed May 08 11:51:43 2002