Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\APR1102\8016.D Vial: 22
Acq On : 12 Apr 2002 11:02 am Operator:
Sample : gc/ms scan 4/4 Inst : 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Apr 16 12:00 2002 Quant Results File: GCMS0412.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS0412.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Tue Apr 16 11:47:07 2002
Response via : Initial Calibration
DataAcq Meth : GCMS0408

to be re-ext

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	12.23	152	444747	20.00	ug/l	0.00
10) Naphthalene-d8	15.86	136	1643579	20.00	ug/l	-0.02
17) Acenaphthene-d10	21.17	164	914827	20.00	ug/l	0.00
30) Phenanthrene-d10	25.61	188	1326499	20.00	ug/l	0.00
39) Chrysene-d12	33.66	240	788440	20.00	ug/l	-0.02
45) Perylene-d12	37.89	264	443816	20.00	ug/l	-0.02
System Monitoring Compounds						
28) TCMX	23.31	209	39457	8.02	ug/L	-0.02
Spiked Amount 10.000			Recovery =	80.20%		
38) 2,4-DDD	0.00	235	0	0.00	ug/mL	
Spiked Amount 5.000			Recovery =	0.00%		
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	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-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	14.06	77	149	N.D.		
12) Isophorone	0.00	82	0	N.D.	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	15.92	128	383	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.		
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	22.64	149	767	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.		

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

Quantitation Report (QT Reviewed)

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Acq On : 12 Apr 2002 11:02 am Operator:
Sample : gc/ms scan 4/4 Inst : 209
Misc : Multiplr: 1.00
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Quant Method : C:\HPCHEM\1\METHODS\GCMS0412.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Tue Apr 16 11:47:07 2002
Response via : Initial Calibration
DataAcq Meth : GCMS0408

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
33)	Hexachlorobenzene	0.00	284	0	N.D.	
34)	Phenanthrene	25.62	178	344	N.D.	
35)	Anthracene	25.62	178	344	N.D.	
36)	Di-n-butylphthalate	27.57	149	69801	1.63 ug/l	98
37)	Fluoranthene	0.00	202	0	N.D.	
40)	Pyrene	0.00	202	0	N.D.	
41)	Butylbenzylphthalate	32.10	149	479	N.D.	
42)	Benzo(a)anthracene	33.66	228	1836	N.D.	
43)	Bis(2-ethylhexyl)phthalate	33.88	149	7442	0.38 ug/l	94
44)	Chrysene	33.66	228	1836	N.D.	
46)	Di-n-Octylphthalate	35.63	149	424	N.D.	
47)	Benzo(b)fluoranthene	36.72	252	431	N.D.	
48)	Benzo(k)fluoranthene	36.79	252	326	N.D.	
49)	Benzo(a)pyrene	37.71	252	545	N.D.	
50)	Indeno(1,2,3-cd)pyrene	0.00	276	0	N.D.	
51)	Dibenz(a,h)anthracene	0.00	278	0	N.D.	
52)	Benzo(g,h,i)perylene	43.24	276	493	N.D.	

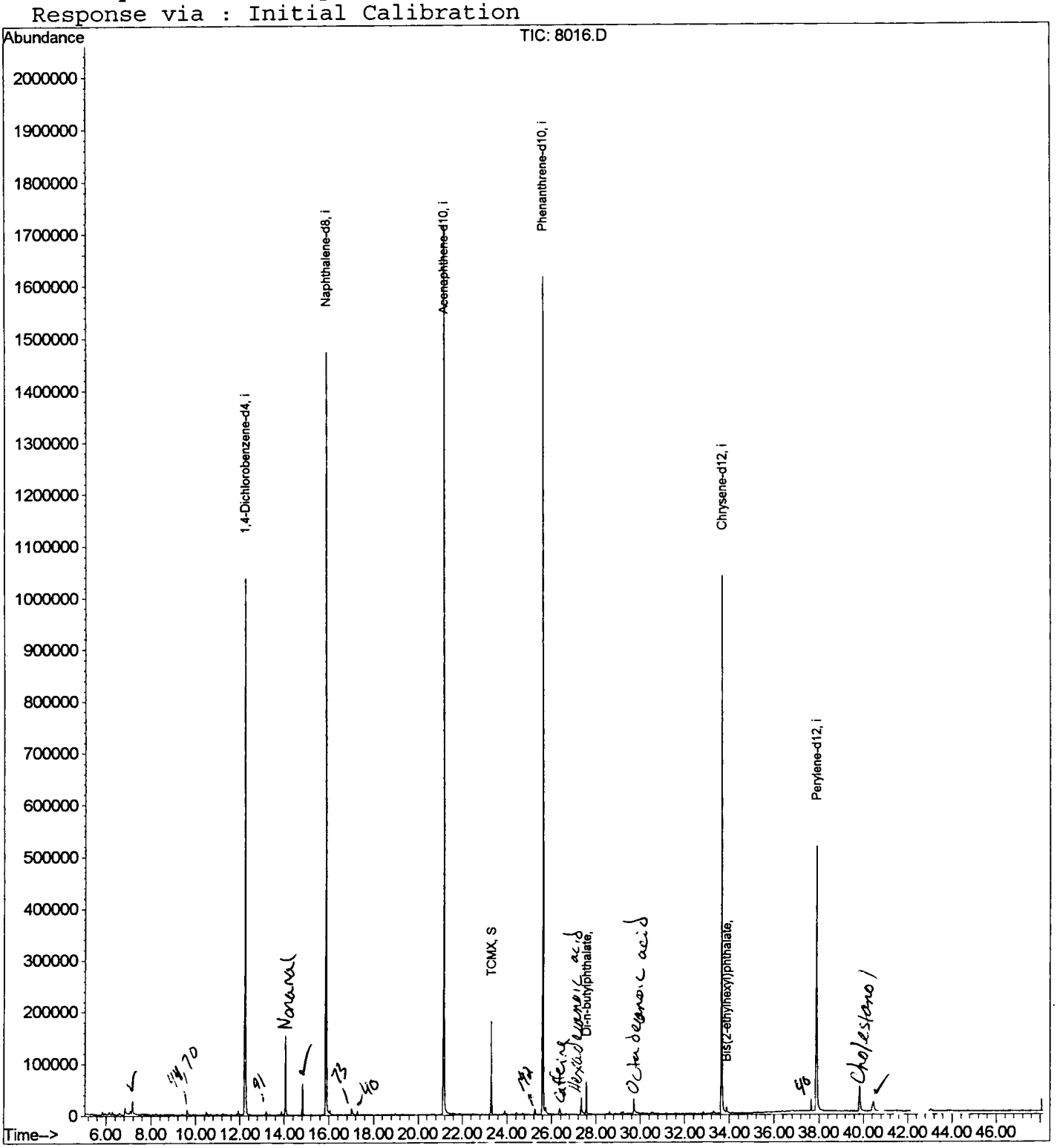
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\APR1102\8016.D
Acq On : 12 Apr 2002 11:02 am
Sample : gc/ms scan 4/4
Misc :
MS Integration Params: GOOFY.P
Quant Time: Apr 16 12:00 2002

Vial: 22
Operator:
Inst : 209
Multiplr: 1.00
Quant Results File: GCMS0412.RES

Method : C:\HPCHEM\1\METHODS\GCMS0412.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Tue Apr 16 11:47:07 2002
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\APR1102\8016.D Vial: 22
Acq On : 12 Apr 2002 11:02 am Operator:
Sample : gc/ms scan 4/4 Inst : 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\GCMS0412.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

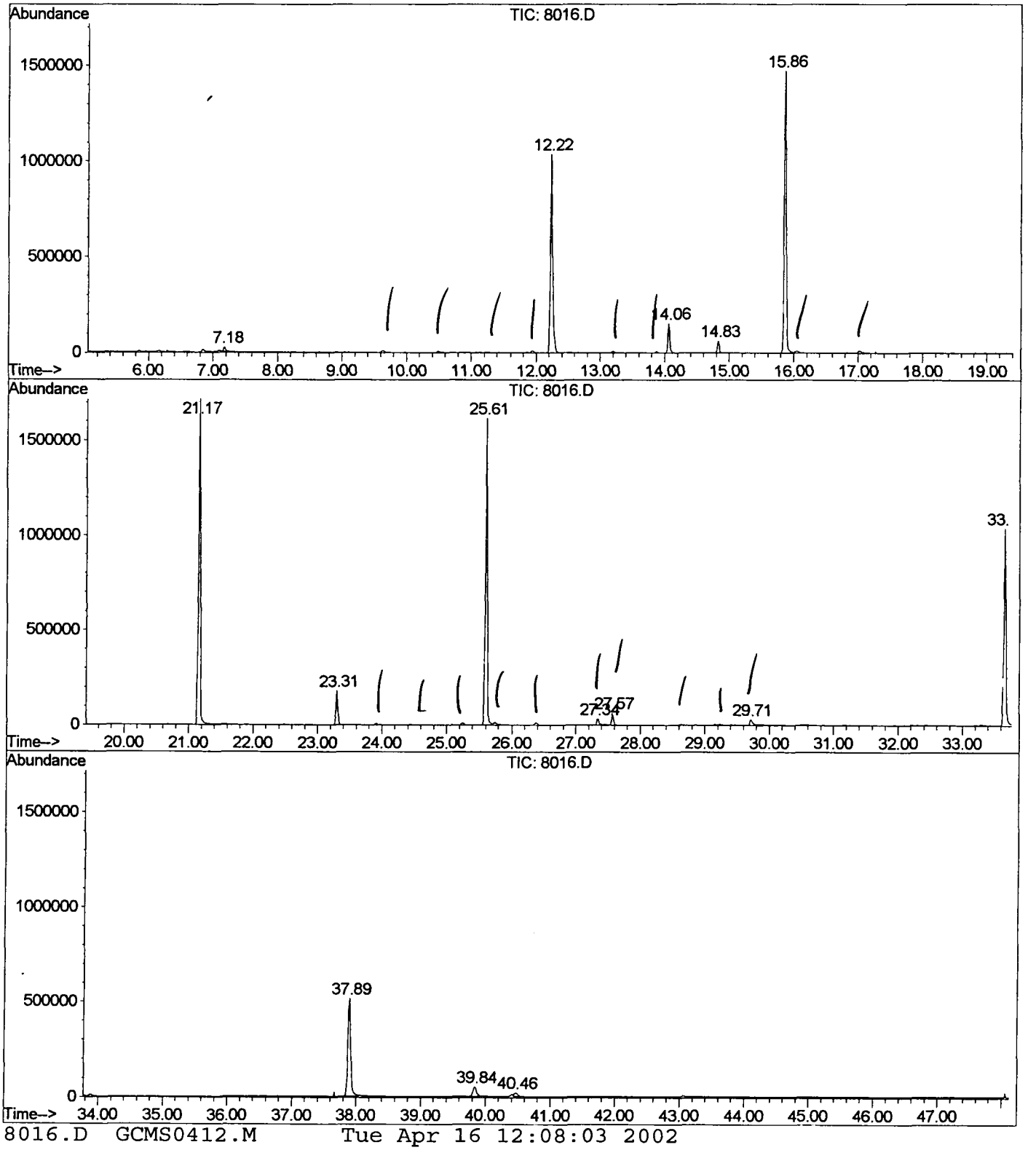
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	7.175	227	232	241	rBV2	23502	50024	1.42%	0.283%
2	12.225	777	782	798	rVB	1035621	2438134	69.10%	13.771%
3	14.061	977	982	993	rBV	151819	296083	8.39%	1.672%
4	14.832	1060	1066	1071	rVB	60098	120271	3.41%	0.679%
5	15.860	1172	1178	1194	rBV	1471822	3133759	88.81%	17.700%
6	21.166	1749	1756	1769	rBV	1714468	3528620	100.00%	19.930%
7	23.305	1982	1989	1995	rVB	179573	353823	10.03%	1.998%
8	25.609	2233	2240	2251	rBV	1614662	3378279	95.74%	19.081%
9	27.345	2421	2429	2436	rBV2	31614	80803	2.29%	0.456%
10	27.574	2449	2454	2463	rVB	62093	117119	3.32%	0.661%
11	29.713	2683	2687	2698	rBV2	28703	83969	2.38%	0.474%
12	33.661	3110	3117	3132	rBV2	1039257	2332481	66.10%	13.174%
13	37.893	3569	3578	3594	rBV2	511300	1543909	43.75%	8.720%
14	39.839	3782	3790	3800	rBV5	49323	183983	5.21%	1.039%
15	40.463	3854	3858	3869	rVB9	17676	63959	1.81%	0.361%

Sum of corrected areas: 17705216

8016.D GCMS0412.M Tue Apr 16 12:08:02 2002

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\APR1102\8016.D
Operator :
Acquired : 12 Apr 2002 11:02 am using AcqMethod GCMS0408
Instrument : 209
Sample Name: gc/ms scan 4/4
Misc Info :
Vial Number: 22
Quant File :GCMS0412.RES (RTE Integrator)



8016.D GCMS0412.M Tue Apr 16 12:08:03 2002

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\APR1102\8016.D Vial: 22
Acq On : 12 Apr 2002 11:02 am Operator:
Sample : gc/ms scan 4/4 Inst : 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

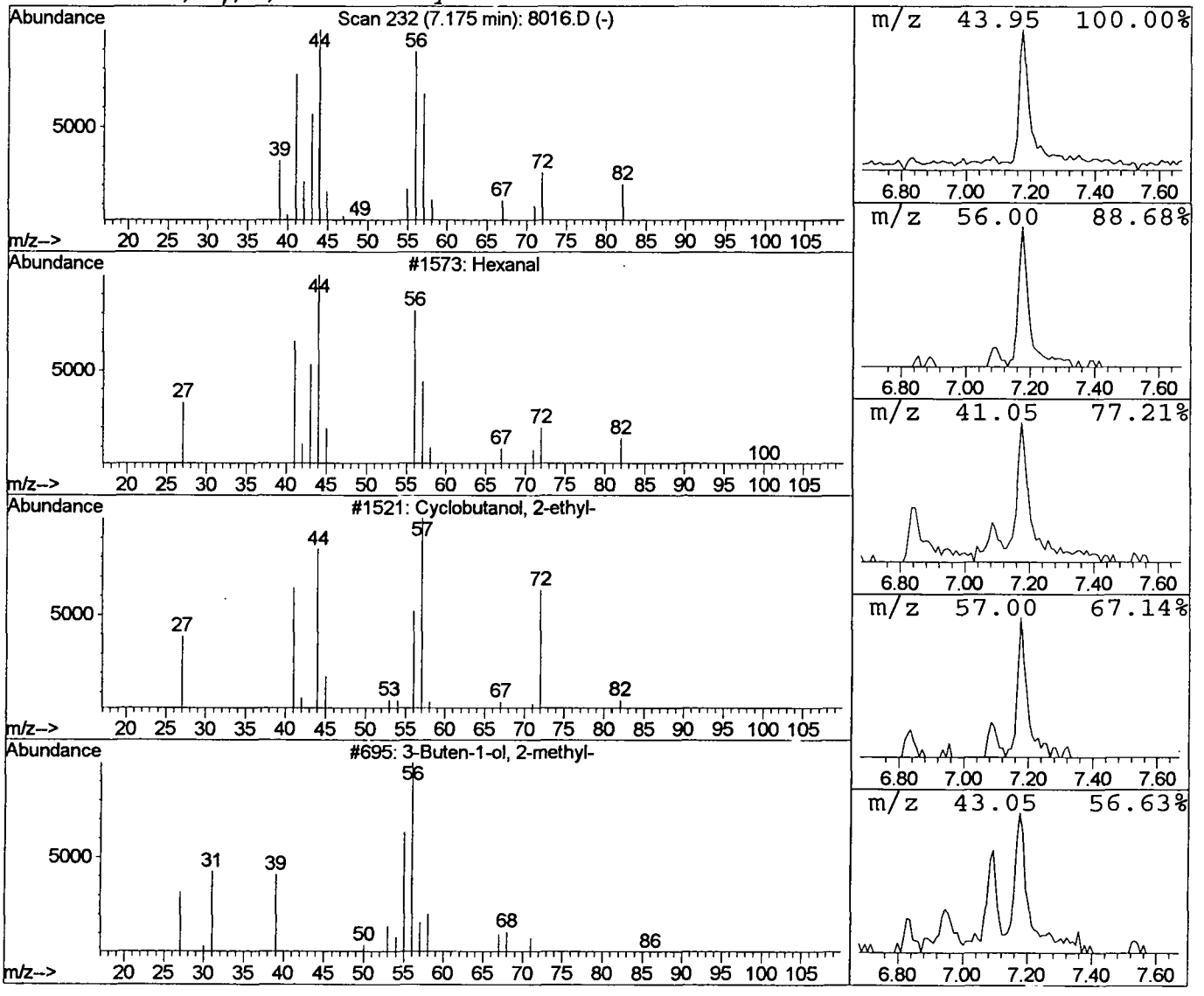
Quant Method : C:\HPCHEM\1\METHODS\GCMS0412.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 Hexanal Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.18	0.41 ug/l	50024	1,4-Dichlorobenzene-d4	12.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanal	100	C6H12O	000066-25-1	78
2	Cyclobutanol, 2-ethyl-	100	C6H12O	035301-43-0	36
3	3-Buten-1-ol, 2-methyl-	86	C5H10O	004516-90-9	12
4	Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	9



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\APR1102\8016.D Vial: 22
Acq On : 12 Apr 2002 11:02 am Operator:
Sample : gc/ms scan 4/4 Inst : 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

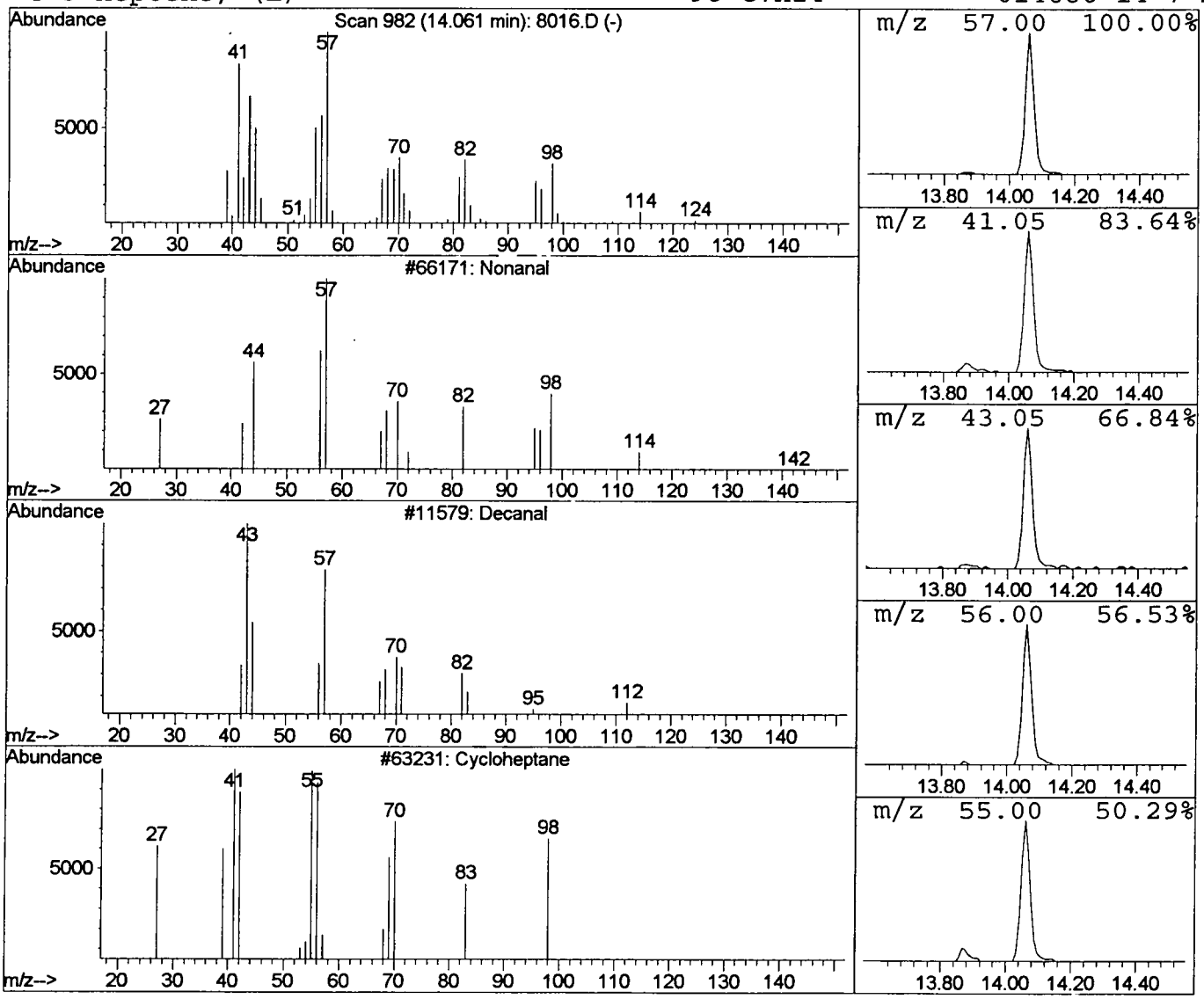
Quant Method : C:\HPCHEM\1\METHODS\GCMS0412.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 2 Nonanal Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.06	1.89 ug/l	296083	Naphthalene-d8	15.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonanal	142	C9H18O	000124-19-6	91
2	Decanal	156	C10H20O	000112-31-2	45
3	Cycloheptane	98	C7H14	000291-64-5	27
4	3-Heptene, (E)-	98	C7H14	014686-14-7	22



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\APR1102\8016.D Vial: 22
Acq On : 12 Apr 2002 11:02 am Operator:
Sample : gc/ms scan 4/4 Inst : 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

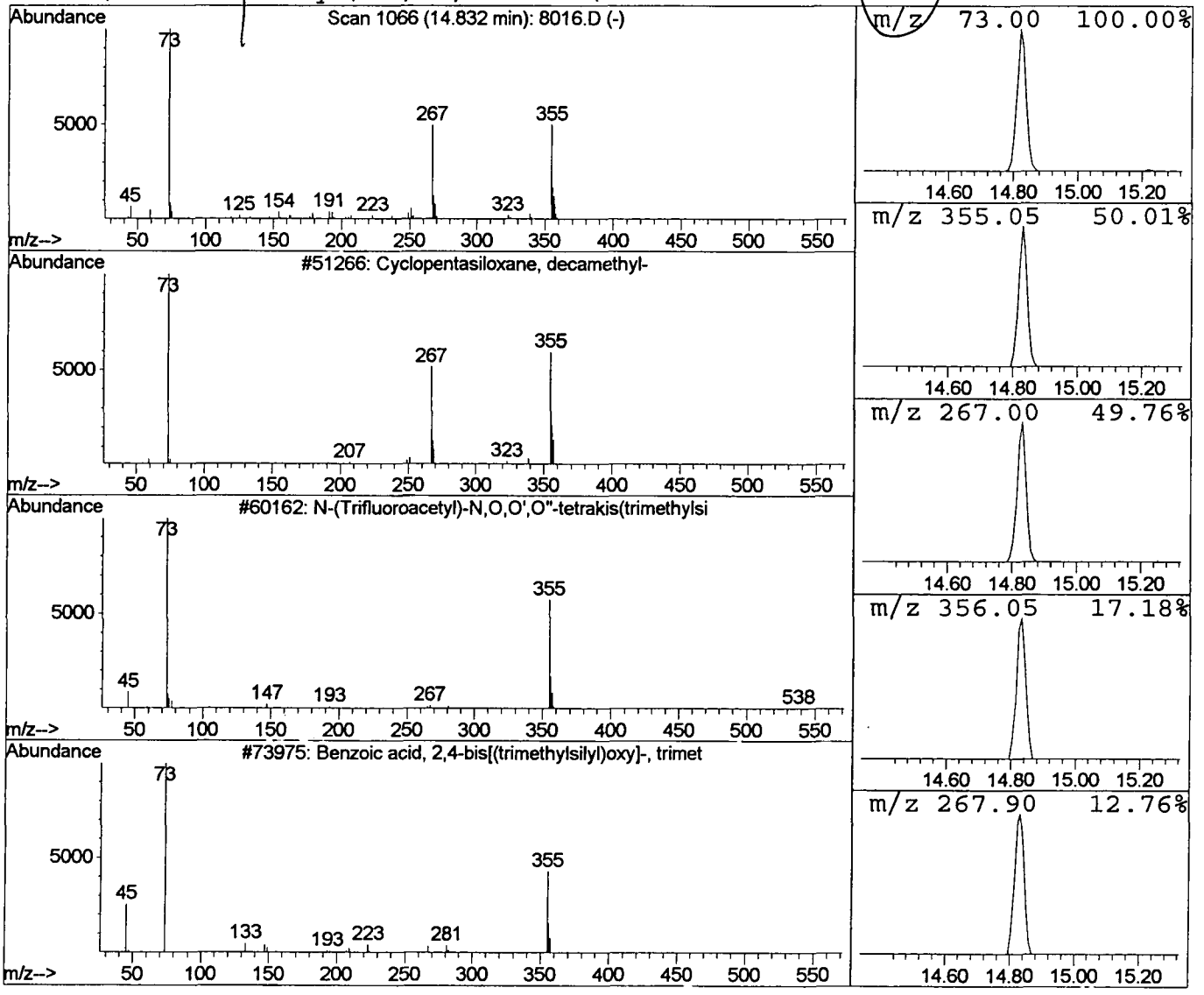
Quant Method : C:\HPCHEM\1\METHODS\GCMS0412.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 3 Cyclopentasiloxane, decamethyl Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.83	0.77 ug/l	120271	Naphthalene-d8	15.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentasiloxane, decamethyl-	370	C10H30O5Si5	000541-02-6	90
2	N-(Trifluoroacetyl)-N,O,O',O''-tetr	553	C22H42F3NO4Si4	000000-00-0	47
3	Benzoic acid, 2,4-bis[(trimethylsil	370	C16H30O4Si3	010586-16-0	47
4	N-(Trifluoroacetyl)-O,O',O"-tris(tri	495	C20H36F3NO4Si3	000000-00-0	38



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\APR1102\8016.D Vial: 22
Acq On : 12 Apr 2002 11:02 am Operator:
Sample : gc/ms scan 4/4 Inst : 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

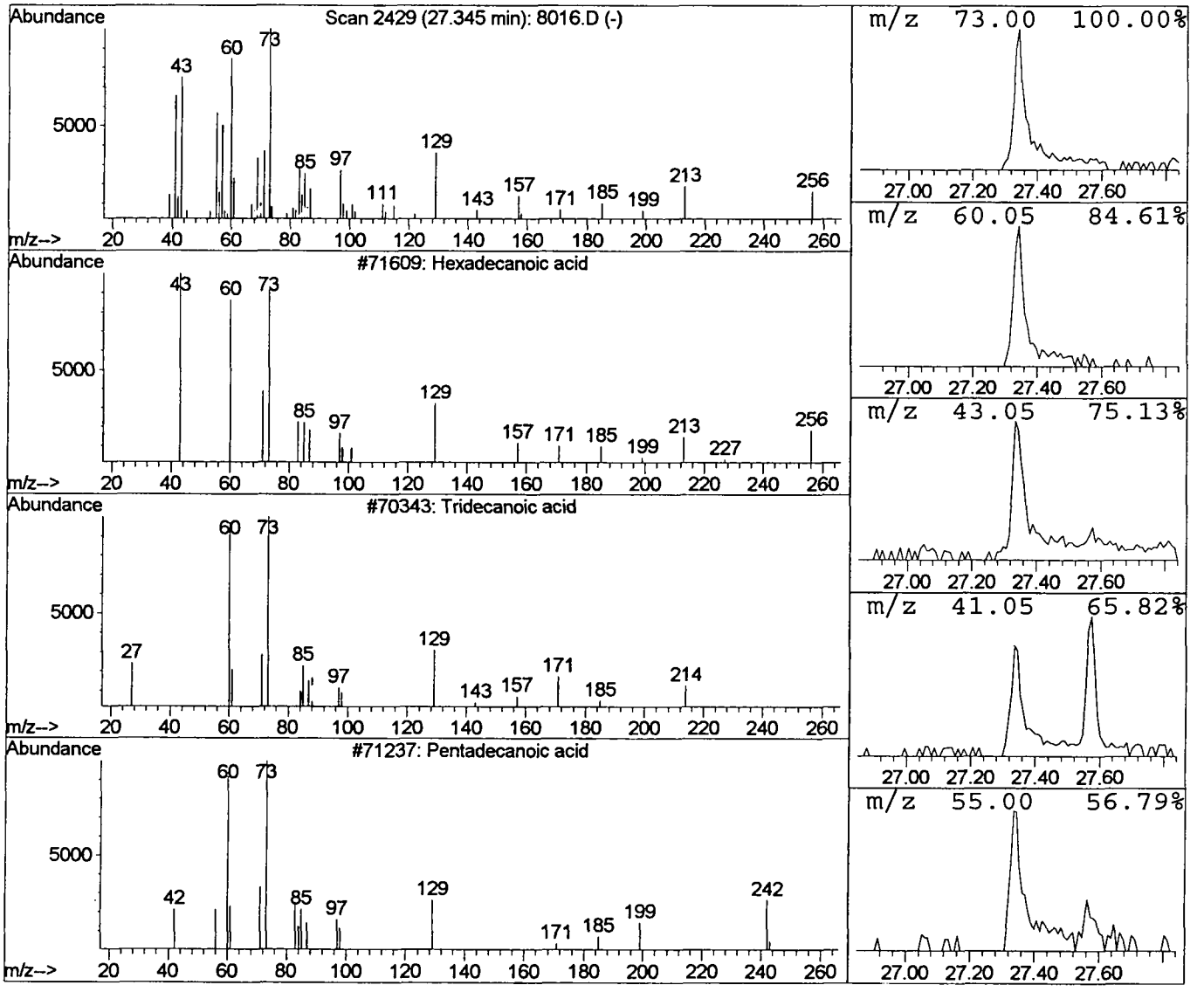
Quant Method : C:\HPCHEM\1\METHODS\GCMS0412.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 4 Hexadecanoic acid Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
27.34	0.48 ug/l	80803	Phenanthrene-d10	25.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid	256	C16H32O2	000057-10-3	94
2	Tridecanoic acid	214	C13H26O2	000638-53-9	72
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	72
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	68



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\APR1102\8016.D Vial: 22
Acq On : 12 Apr 2002 11:02 am Operator:
Sample : gc/ms scan 4/4 Inst : 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

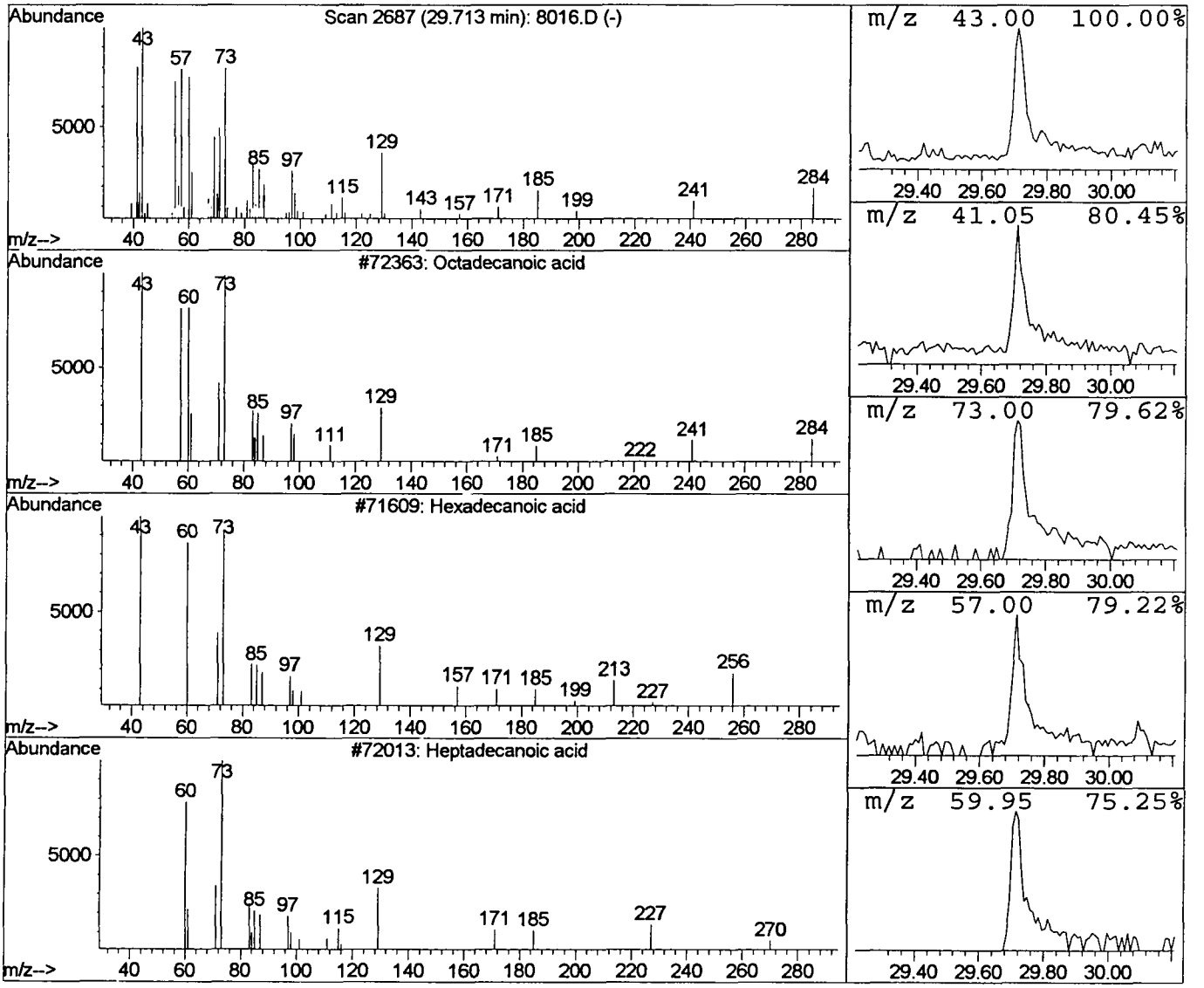
Quant Method : C:\HPCHEM\1\METHODS\GCMS0412.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 5 Octadecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
29.71	0.72 ug/l	83969	Chrysene-d12	33.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	83
2	Hexadecanoic acid	256	C16H32O2	000057-10-3	59
3	Heptadecanoic acid	270	C17H34O2	000506-12-7	58
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	58



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\APR1102\8016.D Vial: 22
Acq On : 12 Apr 2002 11:02 am Operator:
Sample : gc/ms scan 4/4 Inst : 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

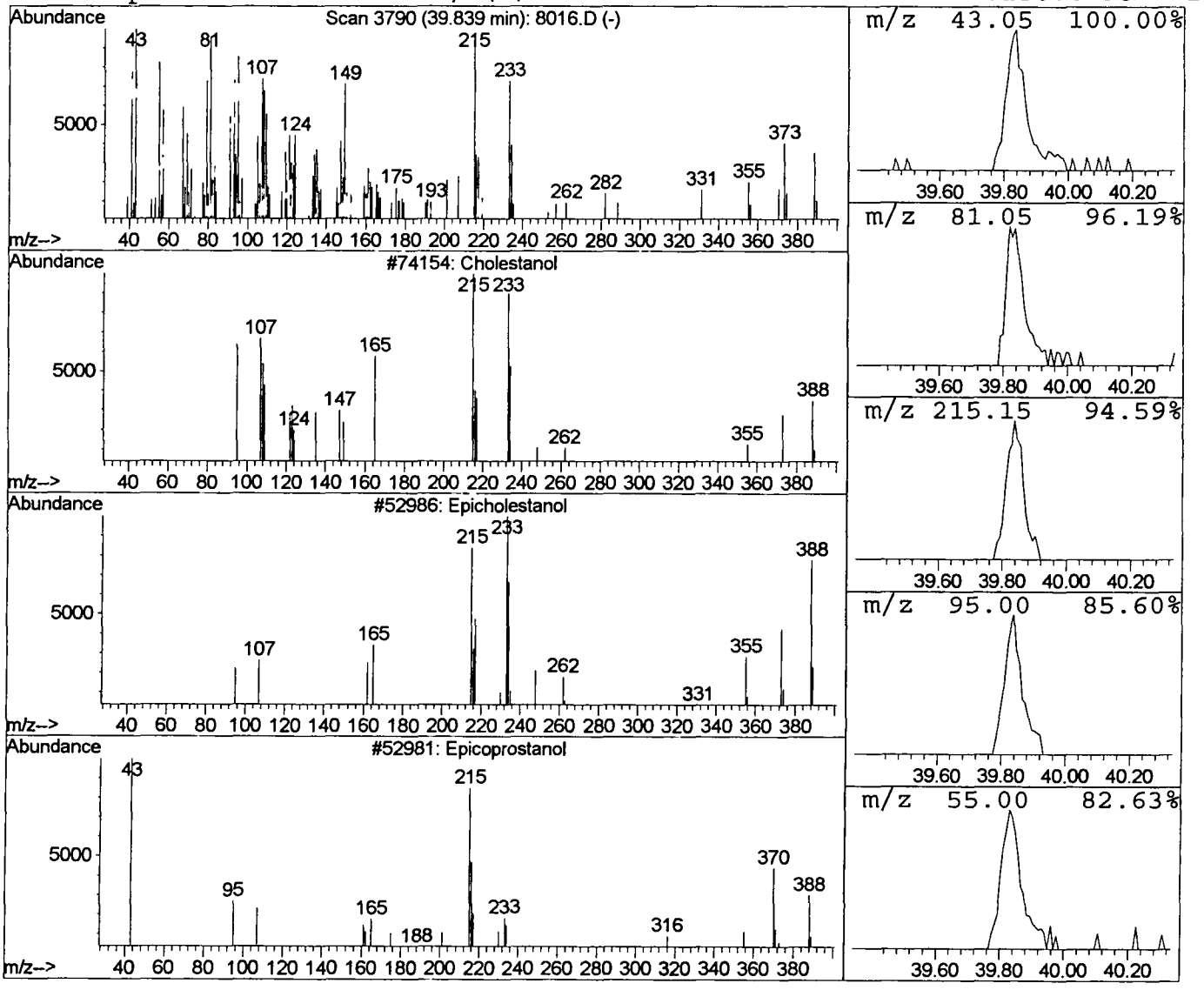
Quant Method : C:\HPCHEM\1\METHODS\GCMS0412.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 6 Cholestanol Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
39.84	2.38 ug/l	183983	Perylene-d12	37.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cholestanol	388	C27H48O	000080-97-7	93
2	Epicholestanol	388	C27H48O	000516-95-0	30
3	Epicoprostanol	388	C27H48O	000000-00-0	12
4	5.alpha.-Cholest-22-ene, (Z)-	370	C27H46	015076-93-4	11



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\APR1102\8016.D Vial: 22
Acq On : 12 Apr 2002 11:02 am Operator:
Sample : gc/ms scan 4/4 Inst : 209
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MS Integration Params: LSCINT.P

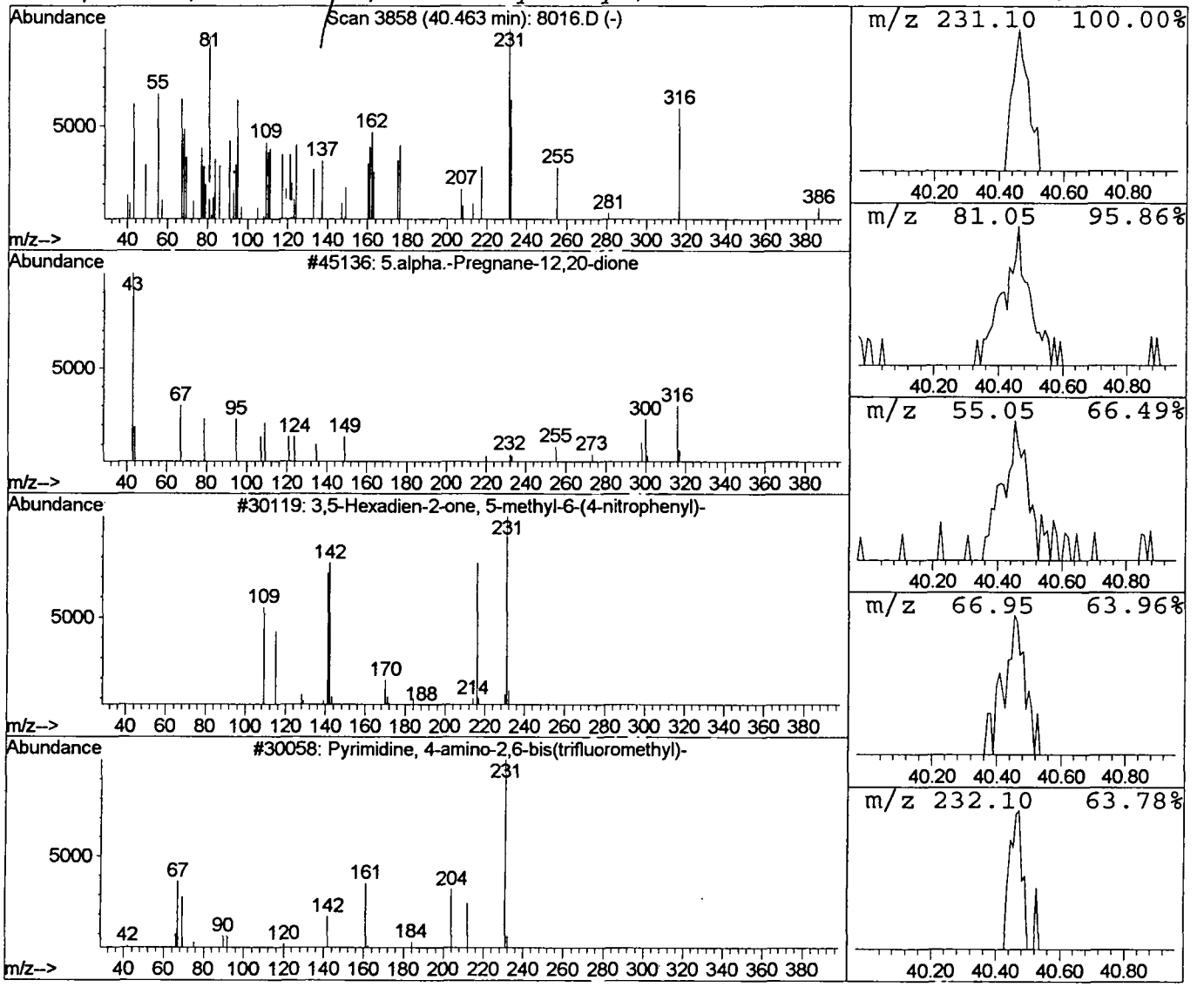
Quant Method : C:\HPCHEM\1\METHODS\GCMS0412.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 7 5.alpha.-Pregnane-12,20-dione Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
40.46	0.83 ug/l	63959	Perylene-d12	37.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5.alpha.-Pregnane-12,20-dione	316	C21H32O2	006022-48-6	11
2	3,5-Hexadien-2-one, 5-methyl-6-(4-n	231	C13H13NO3	055191-23-6	9
3	Pyrimidine, 4-amino-2,6-bis(trifluo	231	C6H3F6N3	000717-61-3	9
4	2,5-Bis(2-chloro-1,1-dimethylethyl)	266	C10H16Cl2N2S	096594-29-5	9



Tentatively Identified Compound (LSC) summary

Operator ID: Date Acquired: 12 Apr 2002 11:02 am
Data File: C:\HPCHEM\1\DATA\APR1102\8016.D
Name: gc/ms scan 4/4
Misc:
Method: C:\HPCHEM\1\METHODS\GCMS0412.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
Hexanal	7.18	0.4	ug/l	50024	ISTD01	12.23	2438130	20.0
Nonanal	14.06	1.9	ug/l	296083	ISTD02	15.86	3133760	20.0
Cyclopentasiloxane,	14.83	0.8	ug/l	120271	ISTD02	15.86	3133760	20.0
Hexadecanoic acid	27.34	0.5	ug/l	80803	ISTD04	25.61	3378280	20.0
Octadecanoic acid	29.71	0.7	ug/l	83969	ISTD05	33.66	2332480	20.0
Cholestanol	39.84	2.4	ug/l	183983	ISTD06	37.89	1543910	20.0
5.alpha.-Pregnane-12	40.46	0.8	ug/l	63959	ISTD06	37.89	1543910	20.0

8016.D GCMS0412.M Tue Apr 16 12:08:10 2002

Westchestergov.com

ENVIRONMENTAL SERVICES SAMPLE SUBMISSION FORM
WESTCHESTER COUNTY LABORATORIES AND RESEARCH

2 Dana Road, Valhalla, New York 10595
(914) 231-1620 Fax (914) 231-1772

FF

ACCREDITED IN ACCORDANCE WITH nelac

NYS-ELAP No. 10108
Form A-70 (rev.10/01)

Time/Date Set:

Sample Type (circle one):
(1. Potable) 3. Non Potable *Treated*
2. Non Potable 4. Other

Time/Date Collected: 4/3/02 0745
Collected By: D. SCOTT Agency Code:
Collected From:
Location's/Individual's Name NYCDEP
Street 19 West LAKE DRIVE
City/St/Zip VALHALLA NY 10595
Identification of Source
Collection Point CAT eff

Bottle #'s: P225, P216, FFB2887, Q325 7214 QFB3706, L065
Chain of Custody? ___ Yes ___ No KK55, 1054, 1053
Comments: KIOC BLANK
PWS #: ______ Source ID: ______ Type Descriptor: ______
Bill to:
Name/Company
Street
City/St/Zip
Phone#: ______ Fax#: ______
CA,CH, BI? ______ Check#: ______ Amount$ ______

BACTERIOLOGICAL ANALYSIS
Lab#:
- __ Heterotrophic Plate Count (hemodialysis & all others)
- __ Coliform P/A (Public supplies)
- __ Coliform MPN (priv well, raw, stp)
- __ Fecal Coliform (all samples)
- __ Microscopic
- __ Macroscopic
- __ API
- __ Other:

Refrigerated? ____ yes ____ no
Chlorinated:? ____ yes ____ no
Free Chlorine Res: ______ mg/L
Total Chlorine Res: ______ mg/L
pH ______

RADIOCHEMICAL ANALYSIS
- __ Radon
- __ Other

Lab#: 08016

ORGANIC POTABLE ANALYSIS
- __ Trihalomethanes (524)
- X Volatile Halocarbons (524)
- X Volatile Aromatics (524)
- __ Total Trihalomethane Potential (510)
- __ Microextractables (504)
- __ Pesticides/PCB screen (508)
- __ PCB as Decachlorobiphenyl (508A)
- __ Herbicides (515)
- __ Pesticides (525)
- __ Carbamate Pesticides (531)
- __ Glyphosate (547)
- __ Diquat (549)
- __ Chlorination Disinfection Byproducts (551)
- __ Haloacetic Acids (552)
- __ Other Pesticides (SM18/6630)
- __ UCMR List 1
- __ MtBE Only (524)

ORGANIC NONPOTABLE/SOLID ANALYSIS
- __ Purgeable Halocarbons (624/8260)
- __ Purgeable Aromatics (624/8260)
- __ Acrolein & Acrylonitrile (8260)
- __ Organochlorine Pesticides (608/8081)
- __ PCB's (Arochlors) (608/8081)
- __ Herbicides (SM18/6630,8151)
- __ Other Pesticides (SM18/6630)
- __ Petroleum Hydrocarbon Scan (310-13)
- __ Glycols in Water
- __ Acid Extractables (625/8270)
- __ Base Neutral Extractables (625/8270)
- X GC/MS Unknown Scan
- __ Phthalates (606MS)
- __ Other:

INORGANIC ANALYSIS REQUESTED - Lab#:

- __ Color
- __ Turbidity
- __ pH
- __ Conductivity
- __ Corrosivity (temp:____°C)
- __ BOD (5 day)
- __ Carbonaceous BOD (5 day)
- __ Soluble BOD (5 day)
- __ Chemical Oxygen Demand
- __ Dissolved Oxygen
- __ Total Organic Carbon
- __ Total Organic Halides
- __ Solids, Percent (%)
- __ Solids, Settleable
- __ Solids, Suspended
- __ Solids, Total
- __ Solids, Total Dissolved
- __ Solids, Total Volatile
- X Other: Sn

- __ Acidity
- __ Alkalinity
- __ Bromide
- __ Bromate/Chlorate/Chlorite
- __ Chloride
- __ Cyanide
- __ Fluoride
- __ Hardness, Total as $CaCO_3$
- __ Nitrogen, Ammonia as N
- __ Nitrogen, Nitrate as N
- __ Nitrogen, Nitrite as N
- __ Nitrogen, Total Kjeldahl as N
- __ Oil and Grease
- __ Phenol
- __ Phosphorus Total as P
- __ Phosphorus, Ortho as P
- __ Sulfates
- __ Surfactants
- __ UV254

- X Aluminum
- X Antimony
- X Arsenic
- X Barium
- X Beryllium
- __ Boron
- X Cadmium
- __ Calcium, as $CaCO_3$
- __ Calcium, Ca^{+2}
- X Chromium, Total
- __ Chromium, Hexavalent
- X Cobalt
- X Copper
- X Iron
- X Lead
- __ Magnesium
- X Manganese
- X Mercury
- X Molybdenum
- X Nickel

- __ Potassium
- X Selenium
- X Silver
- __ Sodium
- X Thallium
- __ Vanadium
- X Zinc

KW

CLP
- __ Metals/CN
- __ Volatiles
- __ Semi-violatiles
- __ Pesticides/PCB's

TCLP
- __ TCLP-Metals
- __ TCLP-Pesticides
- __ TCLP-Herbicides
- __ TCLP-Volatiles
- __ TCLP-BNA's