User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 02/07/2002 Time: 15:47:52

Sample: AD31377
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 2/7/02 15:47 Ended: 2/7/02 15:47 Analyst: DLV
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr_2,4-DDD		98		5.0

Comments for Sample AD31377 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 02-07-2002 Time: 15:48:23

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds.
The recoveries for 6 of the 43 compounds were above their acceptance ranges.

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\JAN1502\31377.D Vial: 23
Acq On : 16 Jan 2002 8:28 am Operator: 209 GALOS
Sample : gc/ms scan 12/26 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 4 14:44 2002 Quant Results File: GCMS1126.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Tue Jan 22 11:56:23 2002
Response via : Initial Calibration
DataAcq Meth : GCMS0103

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	11.49	152	673582	20.00	ug/l	-0.20
10) Naphthalene-d8	15.09	136	2611578	20.00	ug/l	-0.21
17) Acenaphthene-d10	20.35	164	1307346	20.00	ug/l	-0.22
29) Phenanthrene-d10	24.77	188	1711737	20.00	ug/l	-0.22
38) Chrysene-d12	32.79	240	850342	20.00	ug/l	-0.24
44) Perylene-d12	36.86	264	540718	20.00	ug/l	-0.26
System Monitoring Compounds						
37) 2,4-DDD	29.85	235	91870	4.88	ug/mL	-0.22
Spiked Amount 5.000			Recovery = 97.60%			
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	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	15.16	128	2143	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	21.89	149	192	N.D.		
26) 4-Chlorophenyl-phenylether	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.		

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\JAN1502\31377.D Vial: 23
Acq On : 16 Jan 2002 8:28 am Operator: 209 GALOS
Sample : gc/ms scan 12/26 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 4 14:44 2002 Quant Results File: GCMS1126.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Tue Jan 22 11:56:23 2002
Response via : Initial Calibration
DataAcq Meth : GCMS0103

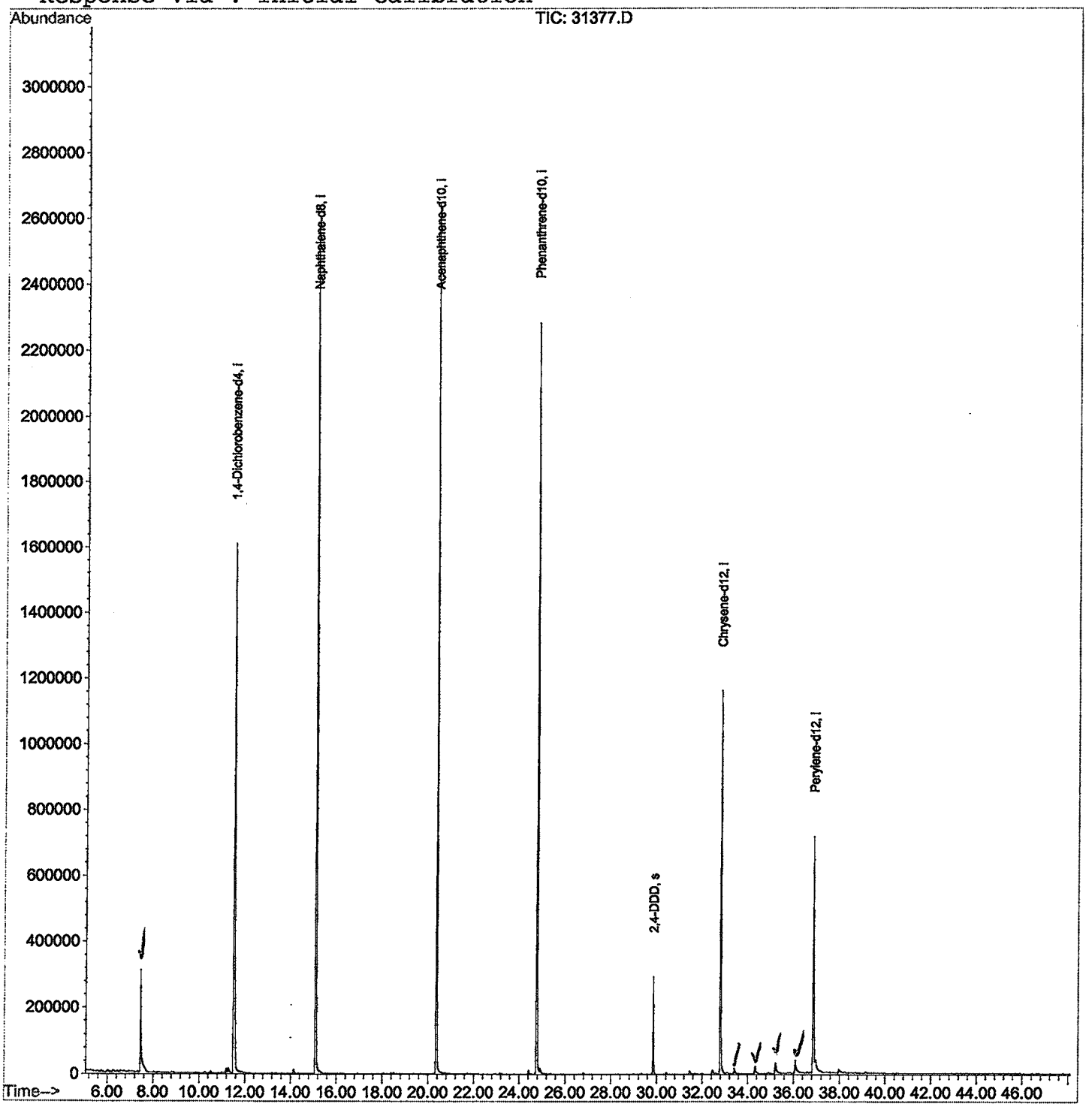
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
30)	N-Nitrosodiphenylamine	0.00	168	0	N.D.	
31)	4-Bromophenyl-phenylether	0.00	248	0	N.D.	
32)	Hexachlorobenzene	0.00	284	0	N.D.	
33)	Phenanthrene	24.84	178	452	N.D.	
34)	Anthracene	24.84	178	452	N.D.	
35)	Di-n-butylphthalate	26.80	149	4866	N.D.	
36)	Fluoranthene	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	32.79	228	1910	N.D.	
42)	Bis(2-ethylhexyl)phthalate	33.11	149	3580	N.D.	
43)	Chrysene	32.79	228	1910	N.D.	
45)	Di-n-Octylphthalate	35.26	149	108	N.D.	
46)	Benzo(b)fluoranthene	0.00	252	0	N.D.	
47)	Benzo(k)fluoranthene	0.00	252	0	N.D.	
48)	Benzo(a)pyrene	36.86	252	2043	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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1502\31377.D Vial: 23
Acq On : 16 Jan 2002 8:28 am Operator: 209 GALOS
Sample : gc/ms scan 12/26 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 4 14:44 2002 Quant Results File: GCMS1126.RES

Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Tue Jan 22 11:56:23 2002
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\JAN1502\31377.D Vial: 23
Acq On : 16 Jan 2002 8:28 am Operator: 209 GALOS
Sample : gc/ms scan 12/26 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\GCMS1126.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

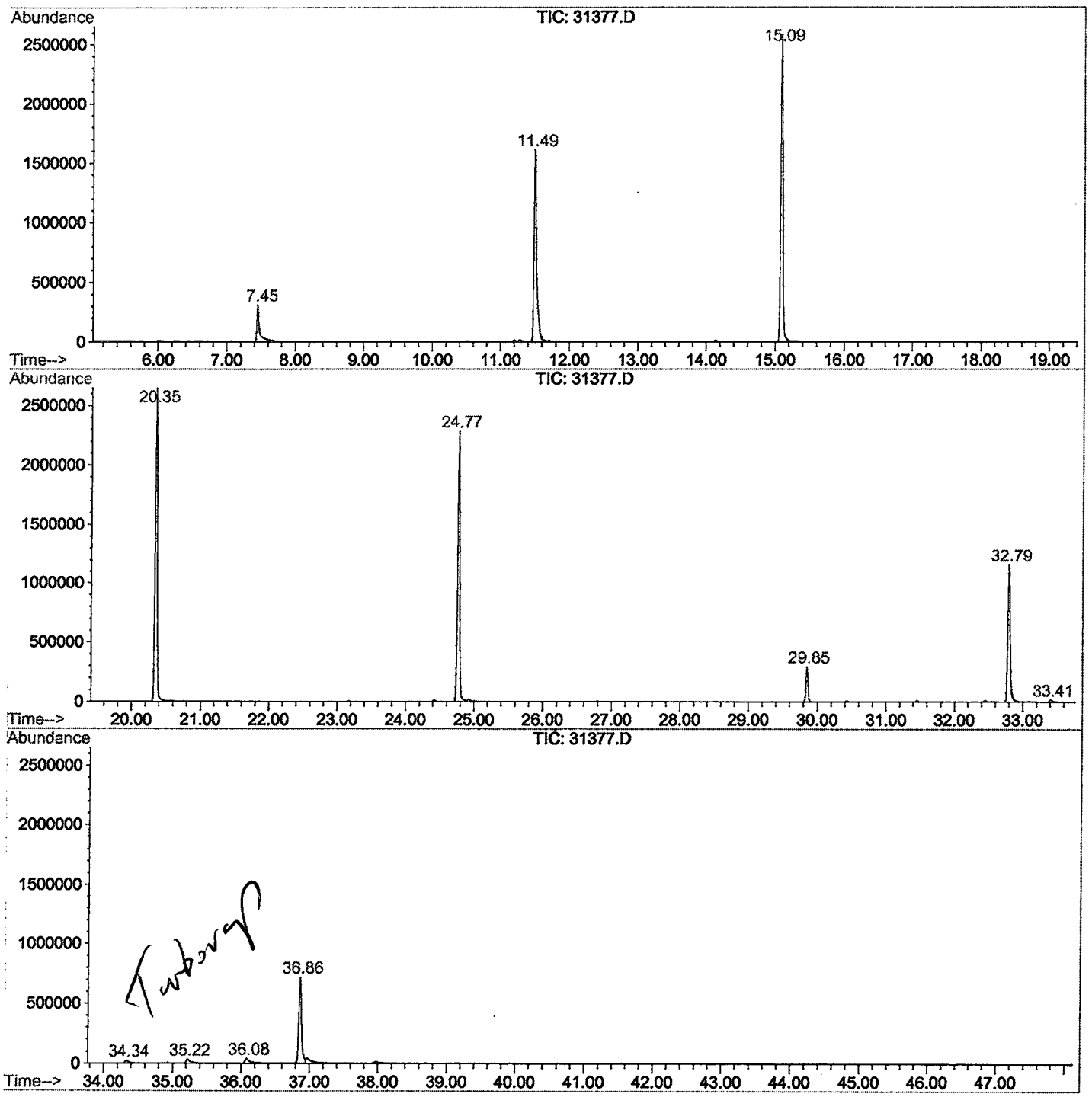
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	7.446	258	262	297	rVB	308598	877008	15.93%	3.306%
2	11.495	699	703	722	rBV	1608331	4283264	77.82%	16.146%
3	15.093	1089	1095	1113	rBV	2584131	5371498	97.59%	20.248%
4	20.354	1662	1668	1689	rBV	2648597	5504303	100.00%	20.749%
5	24.769	2143	2149	2162	rBV2	2282888	4846673	88.05%	18.270%
6	29.846	2697	2702	2710	rBV	292566	579091	10.52%	2.183%
7	32.793	3017	3023	3038	rBV2	1160402	2736436	49.71%	10.315%
8	33.408	3085	3090	3102	rBV4	17155	56985	1.04%	0.215%
9	34.335	3185	3191	3199	rBV2	22261	73299	1.33%	0.276%
10	35.217	3282	3287	3299	rBV2	32812	128442	2.33%	0.484%
11	36.080	3374	3381	3389	rBV2	39096	143722	2.61%	0.542%
12	36.860	3460	3466	3475	rBV	713929	1927582	35.02%	7.266%

Sum of corrected areas: 26528303

31377.D GCMS1126.M Mon Feb 04 15:07:44 2002

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\JAN1502\31377.D
Operator : 209 GALOS
Acquired : 16 Jan 2002 8:28 am using AcqMethod GCMS0103
Instrument : GC/MS 209
Sample Name: gc/ms scan 12/26
Misc Info :
Vial Number: 23
Quant File :GCMS1126.RES (RTE Integrator)



31377.D GCMS1126.M Mon Feb 04 15:07:49 2002

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\JAN1502\31377.D
Acq On : 16 Jan 2002 8:28 am
Sample : gc/ms scan 12/26
Misc :
MS Integration Params: LSCINT.P

Vial: 23
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

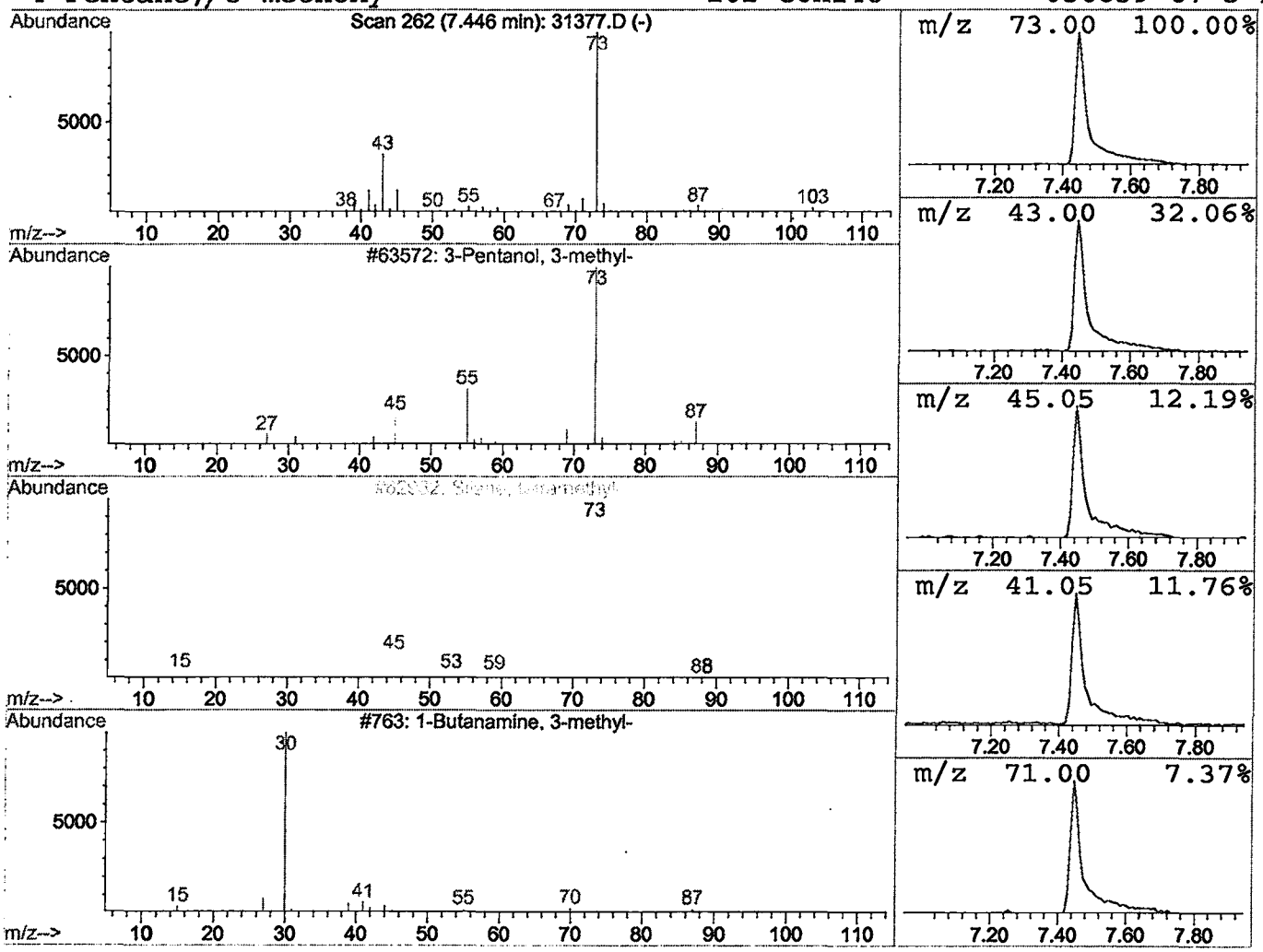
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 3-Pentanol, 3-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.45	4.10 ug/l	877008	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Pentanol, 3-methyl-	102	C6H14O	000077-74-7	36
2	Silane, tetramethyl-	88	C4H12Si	000075-76-3	9
3	1-Butanamine, 3-methyl-	87	C5H13N	000107-85-7	9
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	9



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\JAN1502\31377.D
Acq On : 16 Jan 2002 8:28 am
Sample : gc/ms scan 12/26
Misc :
MS Integration Params: LSCINT.P

Vial: 23
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

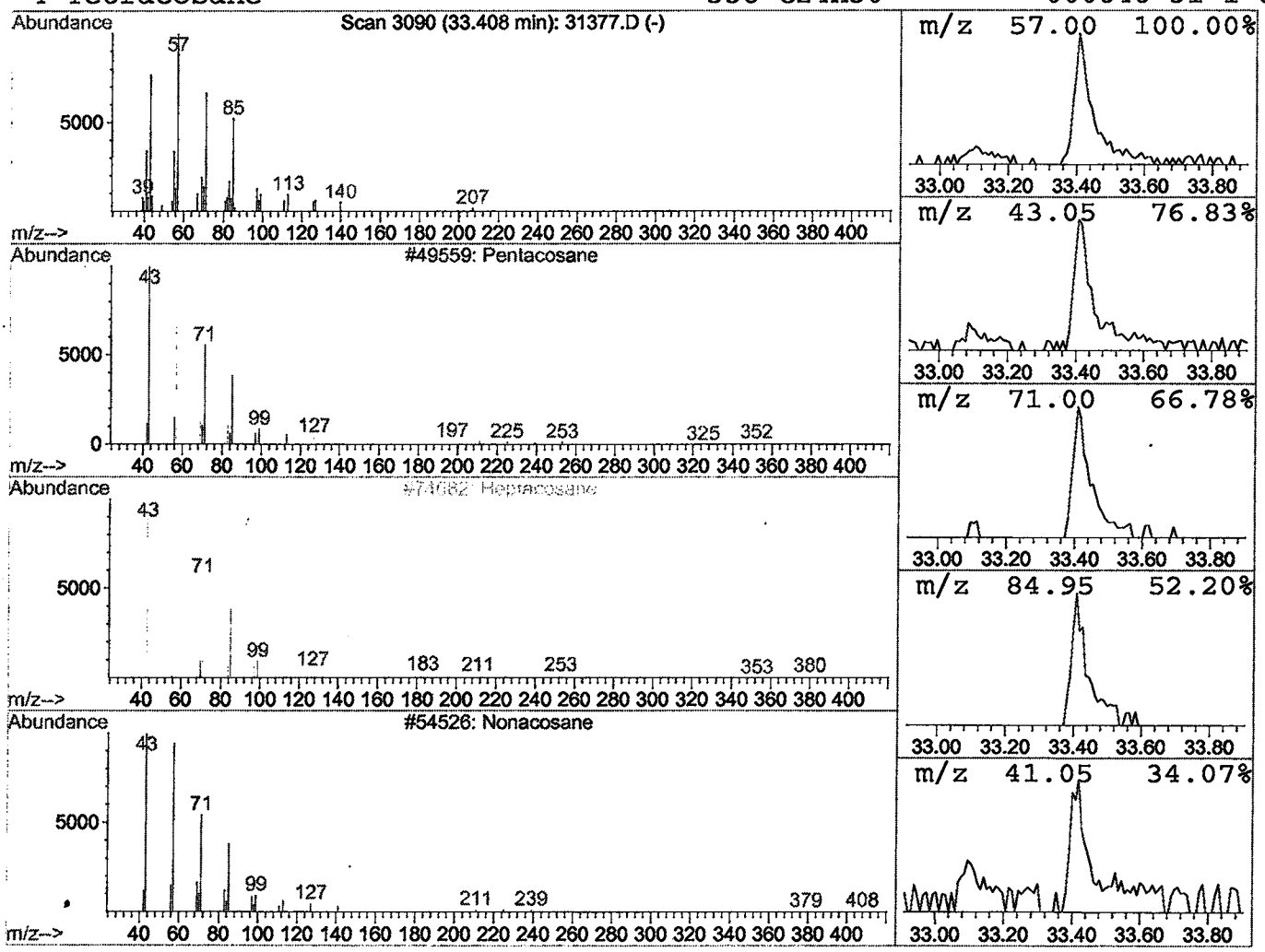
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 2 Pentacosane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
33.41	0.42 ug/l	56985	Chrysene-d12	32.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentacosane	352	C25H52	000629-99-2	86
2	Heptacosane	380	C27H56	000593-49-7	86
3	Nonacosane	408	C29H60	000630-03-5	86
4	Tetracosane	338	C24H50	000646-31-1	80



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\JAN1502\31377.D
Acq On : 16 Jan 2002 8:28 am
Sample : gc/ms scan 12/26
Misc :
MS Integration Params: LSCINT.P

Vial: 23
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

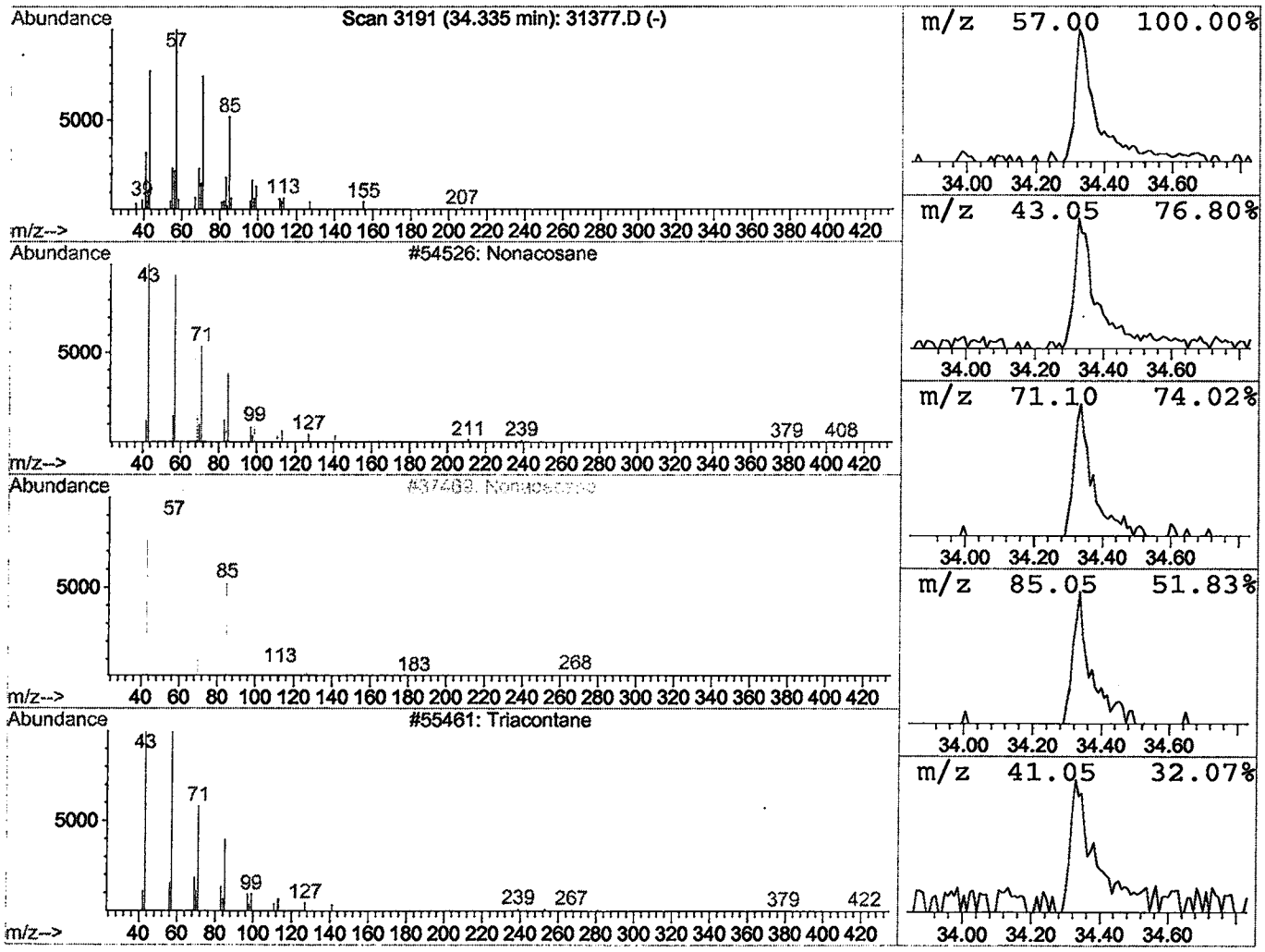
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 3 Nonacosane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
34.34	0.54 ug/l	73299	Chrysene-d12	32.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonacosane	408	C29H60	000630-03-5	90
2	Nonadecane	268	C19H40	000629-92-5	90
3	Triacontane	422	C30H62	000638-68-6	90
4	Tetratetracontane	619	C44H90	007098-22-8	90



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\JAN1502\31377.D
Acq On : 16 Jan 2002 8:28 am
Sample : gc/ms scan 12/26
Misc :
MS Integration Params: LSCINT.P

Vial: 23
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

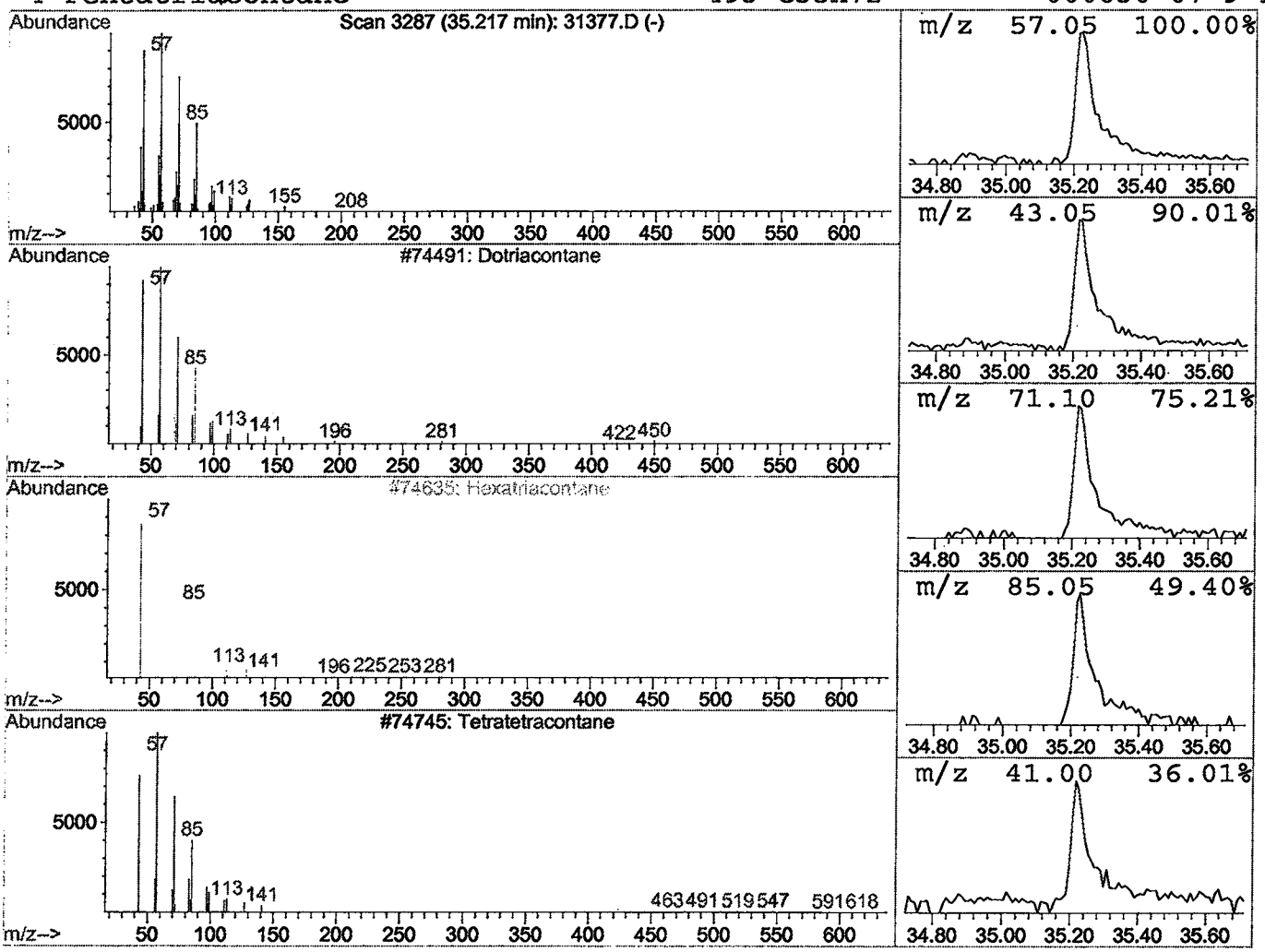
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 4 Dotriacontane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
35.22	1.33 ug/l	128442	Perylene-d12	36.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dotriacontane	451	C32H66	000544-85-4	91
2	Hexatriacontane	507	C36H74	000630-06-8	91
3	Tetratetracontane	619	C44H90	007098-22-8	91
4	Pentatriacontane	493	C35H72	000630-07-9	91



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\JAN1502\31377.D
Acq On : 16 Jan 2002 8:28 am
Sample : gc/ms scan 12/26
Misc :
MS Integration Params: LSCINT.P

Vial: 23
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

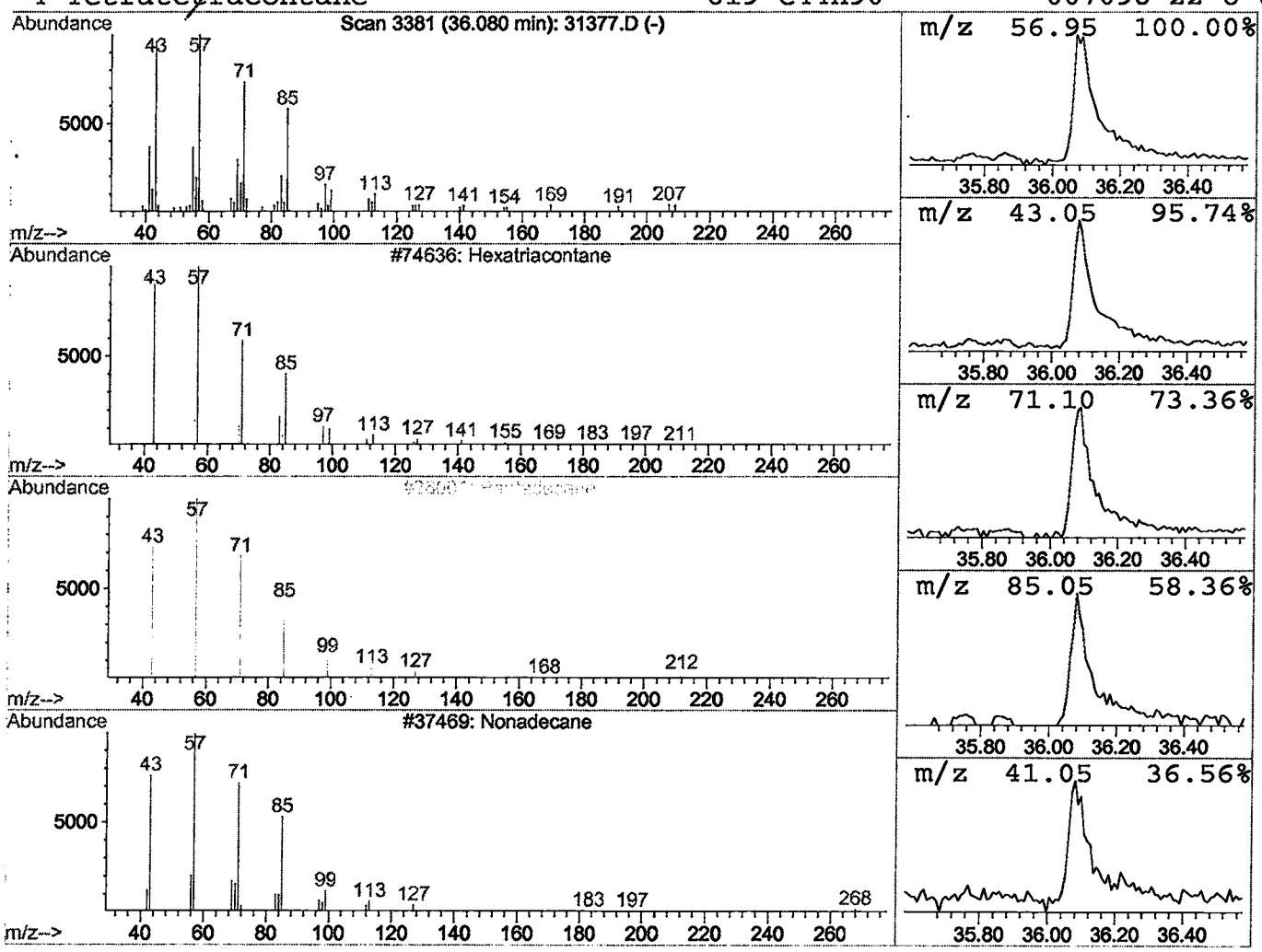
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 5 Hexatriacontane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
36.08	1.49 ug/l	143722	Perylene-d12	36.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexatriacontane	507	C36H74	000630-06-8	91
2	Pentadecane	212	C15H32	000629-62-9	80
3	Nonadecane	268	C19H40	000629-92-5	80
4	Tetratetracontane	619	C44H90	007098-22-8	80



Tentatively Identified Compound (LSC) summary

Operator ID: 209 GALOS Date Acquired: 16 Jan 2002 8:28 am
Data File: C:\HPCHEM\1\DATA\JAN1502\31377.D
Name: gc/ms scan 12/26
Misc:
Method: C:\HPCHEM\1\METHODS\GCMS1126.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
3-Pentanol, 3-methyl	7.45	4.1	ug/l	877008	ISTD01	11.49	4283260	20.0
Pentacosane	33.41	0.4	ug/l	56985	ISTD05	32.79	2736440	20.0
Nonacosane	34.34	0.5	ug/l	73299	ISTD05	32.79	2736440	20.0
Dotriacontane	35.22	1.3	ug/l	128442	ISTD06	36.86	1927580	20.0
Hexatriacontane	36.08	1.5	ug/l	143722	ISTD06	36.86	1927580	20.0

31377.D GCMS1126.M Mon Feb 04 15:08:18 2002

Turbine grease