avid L
er Dept. of Labs & Research
2/15/2002 Time: 09:19:52

mple: AE02966
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 2/15/02 09:19 Ended: 2/15/02 09:19 Analyst: DLV
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr_2,4-DDD		73		5.0

Comments for Sample AE02966 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 02-15-2002 Time: 09:21:14

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds.
The recoveries for 7 of the 43 compounds in the LCS Standard were below their acceptance ranges.

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\FEB0802\2966.D Vial: 30
Acq On : 9 Feb 2002 1:30 pm Operator: 209 GALOS
Sample : GC/MS SCAN 2/7 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Feb 13 9:58 2002 Quant Results File: GCMS0208.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS0208.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Fri Feb 08 15:29:22 2002
Response via : Initial Calibration
DataAcq Meth : GCMS0208

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	12.35	152	338866	20.00	ug/l	0.00
10) Naphthalene-d8	15.99	136	1302884	20.00	ug/l	0.00
17) Acenaphthene-d10	21.31	164	706572	20.00	ug/l	0.00
29) Phenanthrene-d10	25.75	188	1017902	20.00	ug/l	-0.01
38) Chrysene-d12	33.82	240	652408	20.00	ug/l	-0.02
44) Perylene-d12	38.11	264	449715	20.00	ug/l	-0.01
System Monitoring Compounds						
37) 2,4-DDD	30.83	235	46416	3.67	ug/mL	0.33
Spiked Amount 5.000			Recovery = 73.40%			
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	16.04	128	253	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	22.78	149	10687	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\FEB0802\2966.D Vial: 30
Acq On : 9 Feb 2002 1:30 pm Operator: 209 GALOS
Sample : GC/MS SCAN 2/7 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Feb 13 9:58 2002 Quant Results File: GCMS0208.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS0208.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Fri Feb 08 15:29:22 2002
Response via : Initial Calibration
DataAcq Meth : GCMS0208

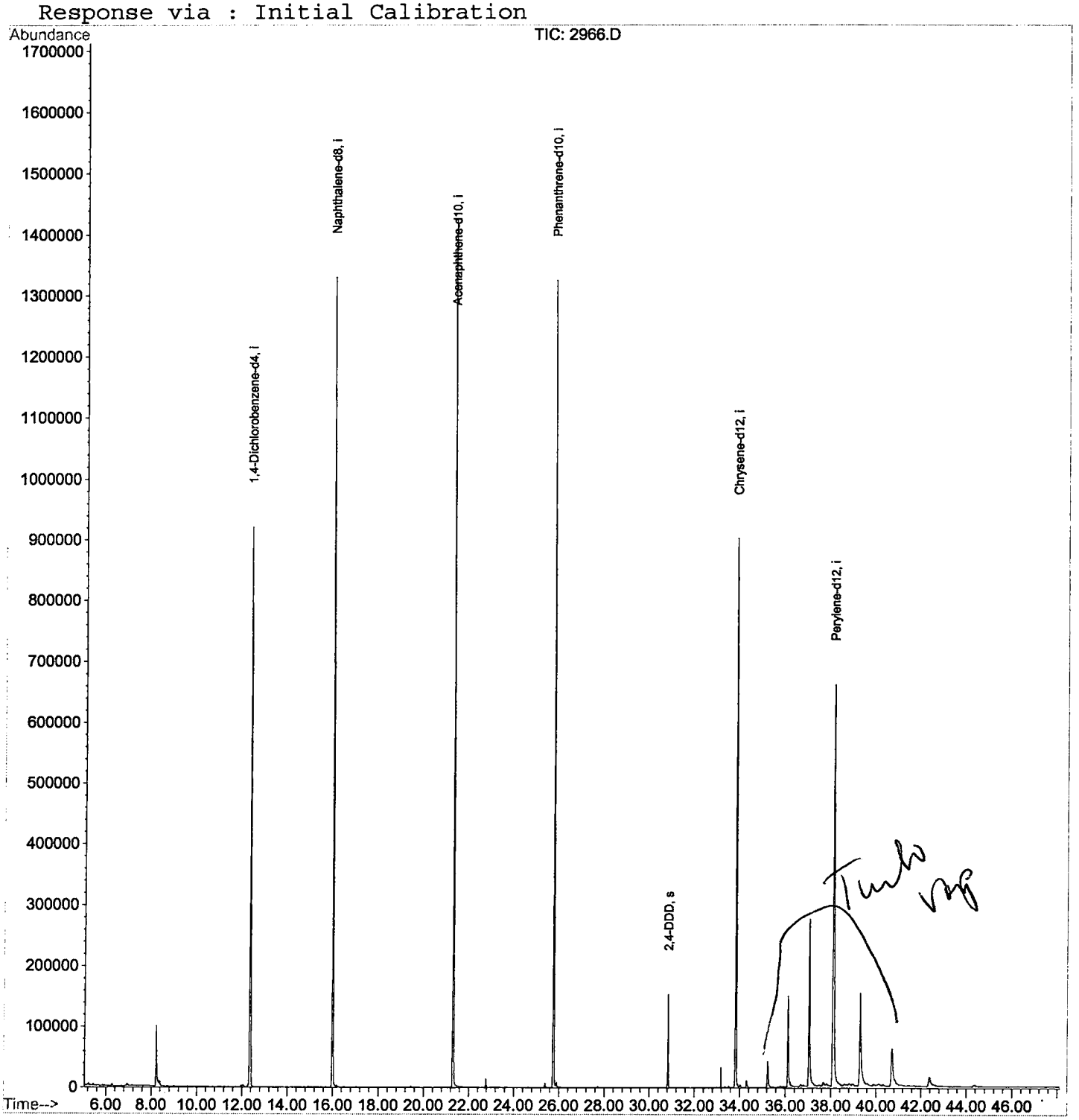
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
30)	N-Nitrosodiphenylamine	0.00	168	0	N.D.	
31)	4-Bromophenyl-phenylether	0.00	248	0	N.D.	
32)	Hexachlorobenzene	0.00	284	0	N.D.	
33)	Phenanthrene	25.82	178	199	N.D.	
34)	Anthracene	25.82	178	199	N.D.	
35)	Di-n-butylphthalate	27.72	149	2856	N.D.	
36)	Fluoranthene	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	33.82	228	2163	N.D.	
42)	Bis(2-ethylhexyl)phthalate	34.02	149	2510	N.D.	
43)	Chrysene	33.90	228	617	N.D.	
45)	Di-n-Octylphthalate	35.78	149	172	N.D.	
46)	Benzo(b)fluoranthene	36.89	252	1001	N.D.	
47)	Benzo(k)fluoranthene	36.95	252	911	N.D.	
48)	Benzo(a)pyrene	37.90	252	693	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\FEB0802\2966.D Vial: 30
Acq On : 9 Feb 2002 1:30 pm Operator: 209 GALOS
Sample : GC/MS SCAN 2/7 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Feb 13 9:58 2002 Quant Results File: GCMS0208.RES

Method : C:\HPCHEM\1\METHODS\GCMS0208.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Fri Feb 08 15:29:22 2002
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\FEB0802\2966.D Vial: 30
Acq On : 9 Feb 2002 1:30 pm Operator: 209 GALOS
Sample : GC/MS SCAN 2/7 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\GCMS0208.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

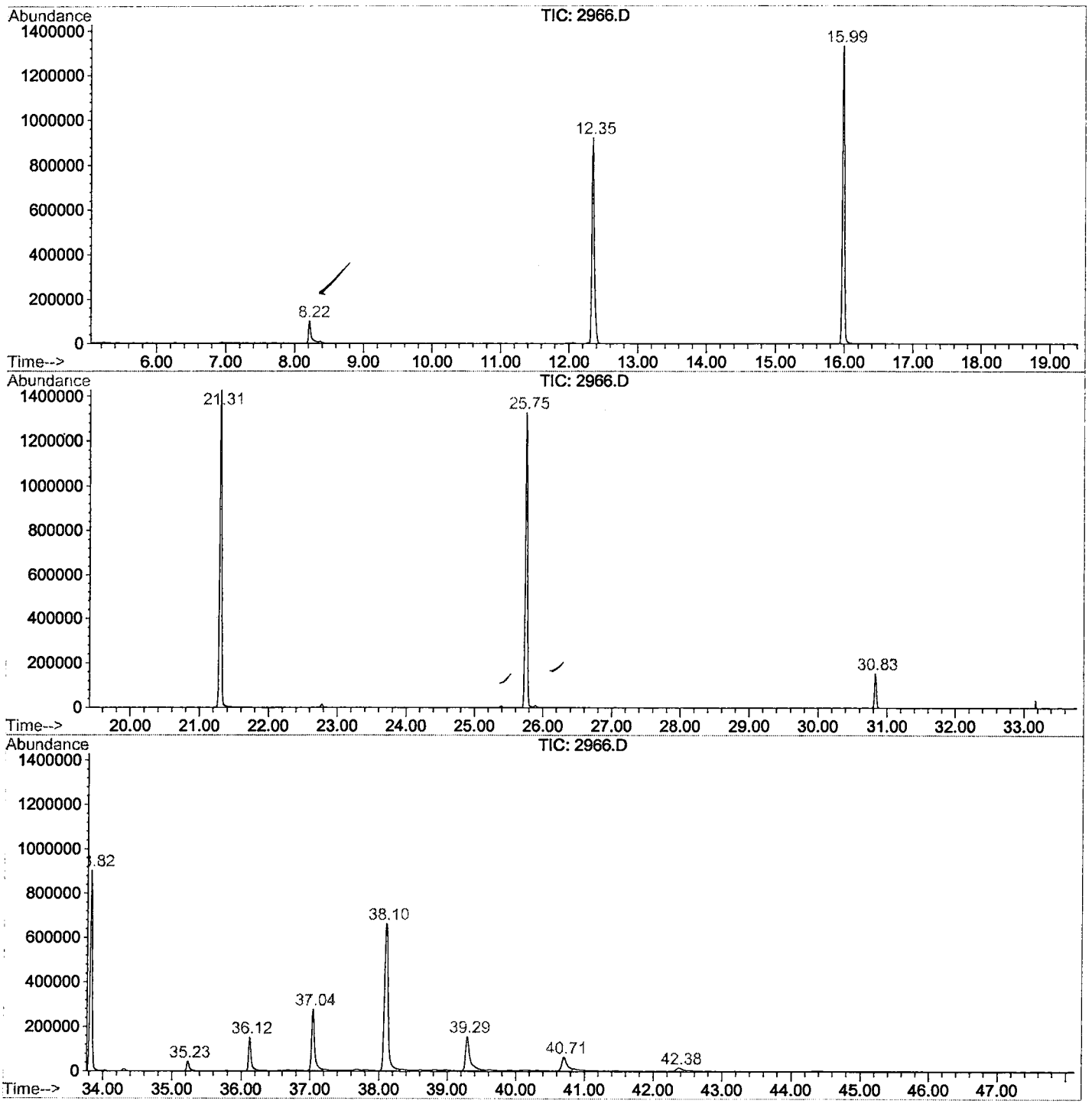
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	8.218	342	346	360	rBV	98650	254656	8.73%	1.404%
2	12.349	790	796	813	rVB	920573	2180431	74.72%	12.024%
3	15.994	1186	1193	1208	rBV	1330162	2701884	92.59%	14.899%
4	21.309	1765	1772	1785	rBV	1426821	2918072	100.00%	16.091%
5	25.752	2250	2256	2266	rBV2	1325266	2815340	96.48%	15.525%
6	30.829	2804	2809	2814	rBV	153210	282308	9.67%	1.557%
7	33.822	3127	3135	3154	rBV2	902677	2006250	68.75%	11.063%
8	35.226	3283	3288	3302	rBV	43091	119033	4.08%	0.656%
9	36.117	3379	3385	3407	rBV	150093	404628	13.87%	2.231%
10	37.044	3477	3486	3502	rBV	275041	823309	28.21%	4.540%
11	38.100	3592	3601	3624	rBV3	660357	2487276	85.24%	13.716%
12	39.293	3722	3731	3760	rBV	152547	702834	24.09%	3.876%
13	40.707	3874	3885	3898	rBV2	62154	337124	11.55%	1.859%
14	42.378	4056	4067	4079	rBV3	15442	101444	3.48%	0.559%

Sum of corrected areas: 18134589

2966.D GCMS0208.M Wed Feb 13 11:07:07 2002

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\FEB0802\2966.D
Operator : 209 GALOS
Acquired : 9 Feb 2002 1:30 pm using AcqMethod GCMS0208
Instrument : GC/MS 209
Sample Name: GC/MS SCAN 2/7
Misc Info :
Vial Number: 30
Quant File :GCMS0208.RES (RTE Integrator)



2966.D GCMS0208.M Wed Feb 13 11:07:13 2002

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\FEB0802\2966.D
Acq On : 9 Feb 2002 1:30 pm
Sample : GC/MS SCAN 2/7
Misc :
MS Integration Params: LSCINT.P

Vial: 30
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

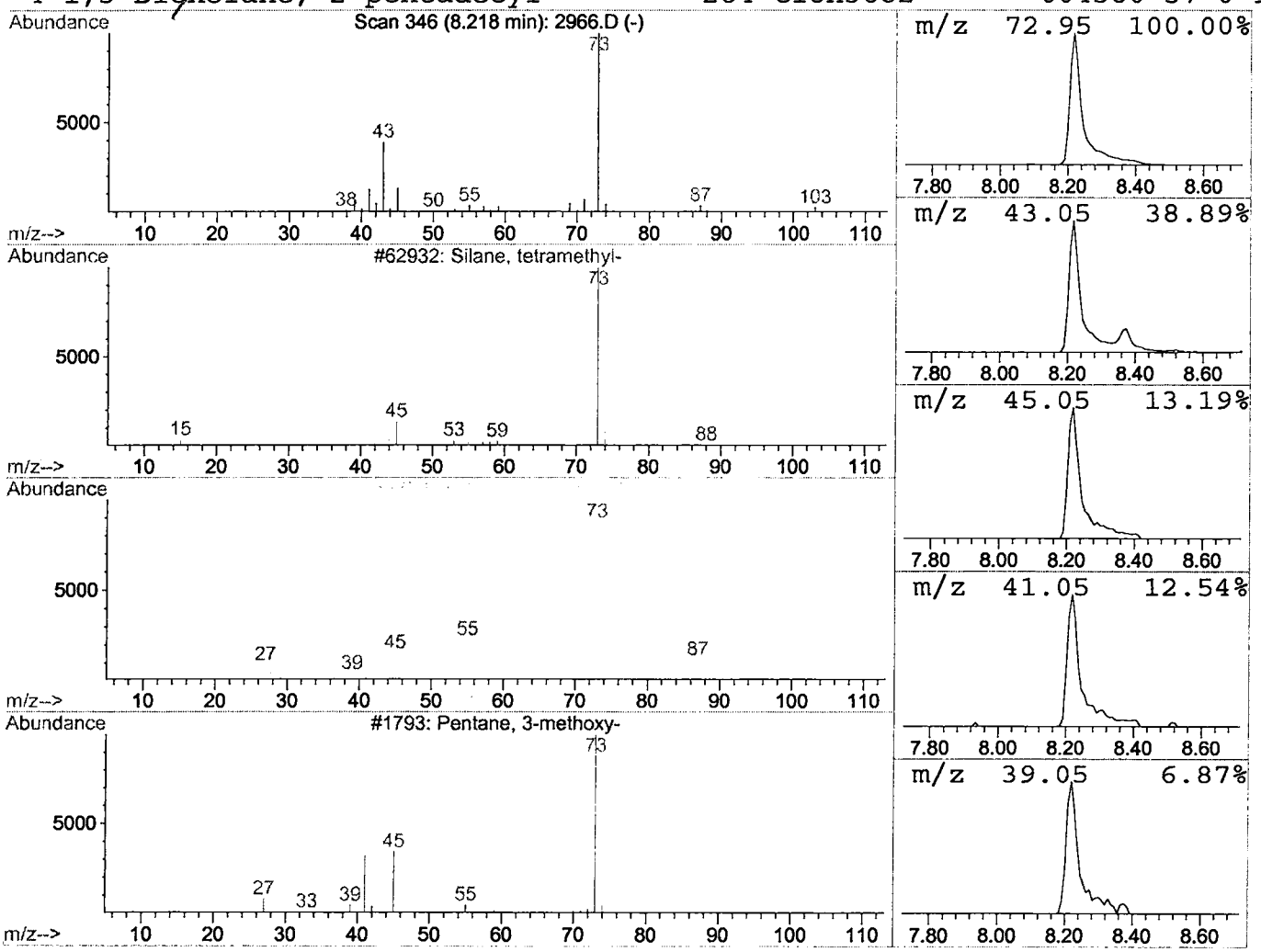
Quant Method : C:\HPCHEM\1\METHODS\GCMS0208.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 Silane, tetramethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.22	2.34 ug/l	254656	1,4-Dichlorobenzene-d4	12.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Silane, tetramethyl-	88	C4H12Si	000075-76-3	38
2	3-Pentanol, 3-methyl-	102	C6H14O	000077-74-7	9
3	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	9
4	1,3-Dioxolane, 2-pentadecyl-	284	C18H36O2	004360-57-0	9



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\FEB0802\2966.D
Acq On : 9 Feb 2002 1:30 pm
Sample : GC/MS SCAN 2/7
Misc :
MS Integration Params: LSCINT.P

Vial: 30
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

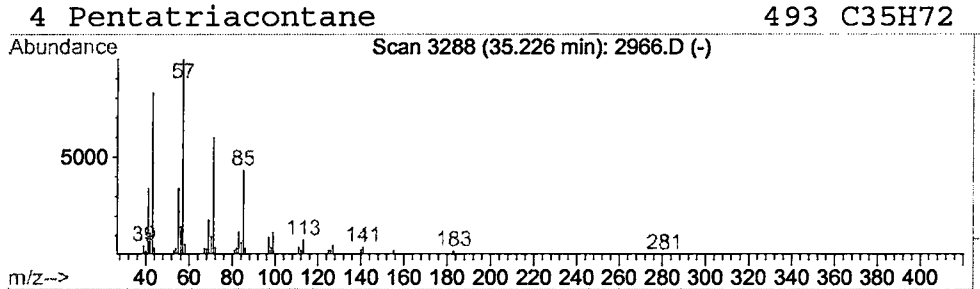
Quant Method : C:\HPCHEM\1\METHODS\GCMS0208.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

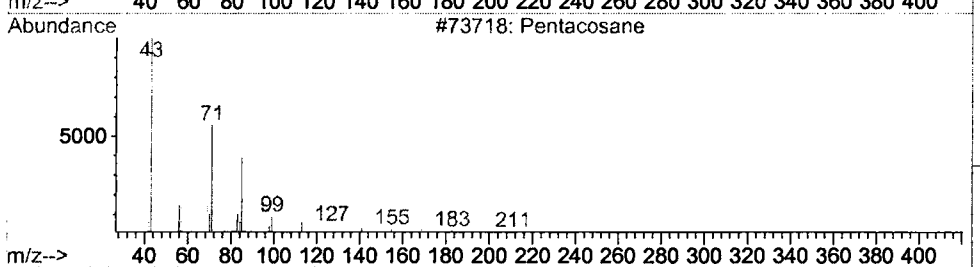
****

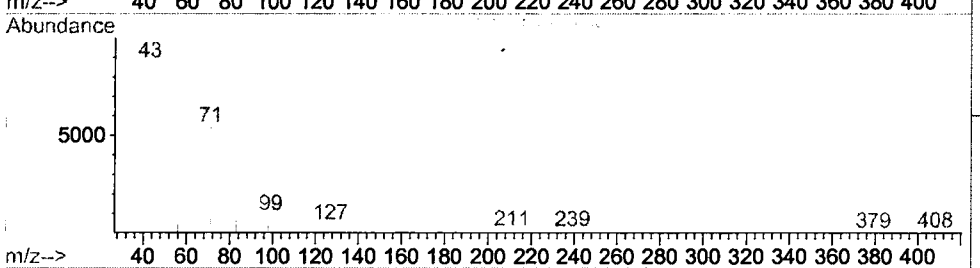
Peak Number 2 Pentacosane Concentration Rank 6

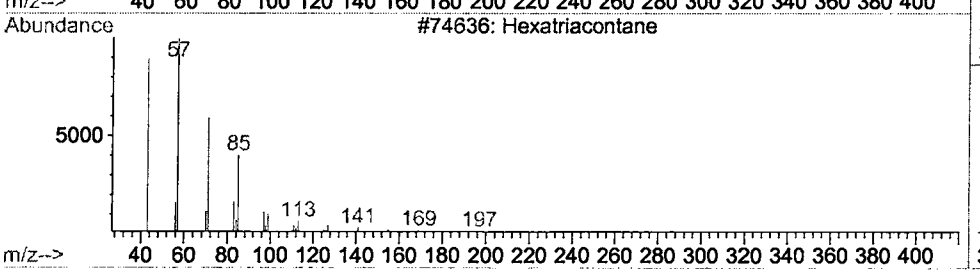
R.T.	EstConc	Area	Relative to ISTD	R.T.
35.23	1.19 ug/l	119033	Chrysene-d12	33.82

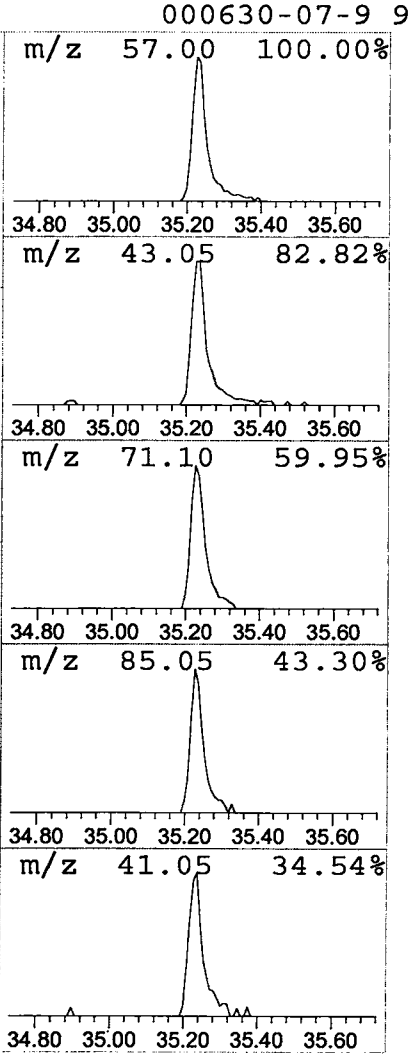
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentacosane	352	C25H52	000629-99-2	91
2	Nonacosane	408	C29H60	000630-03-5	91
3	Hexatriacontane	507	C36H74	000630-06-8	91
4	Pentatriacontane	493	C35H72	000630-07-9	91











Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\FEB0802\2966.D
Acq On : 9 Feb 2002 1:30 pm
Sample : GC/MS SCAN 2/7
Misc :
MS Integration Params: LSCINT.P

Vial: 30
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

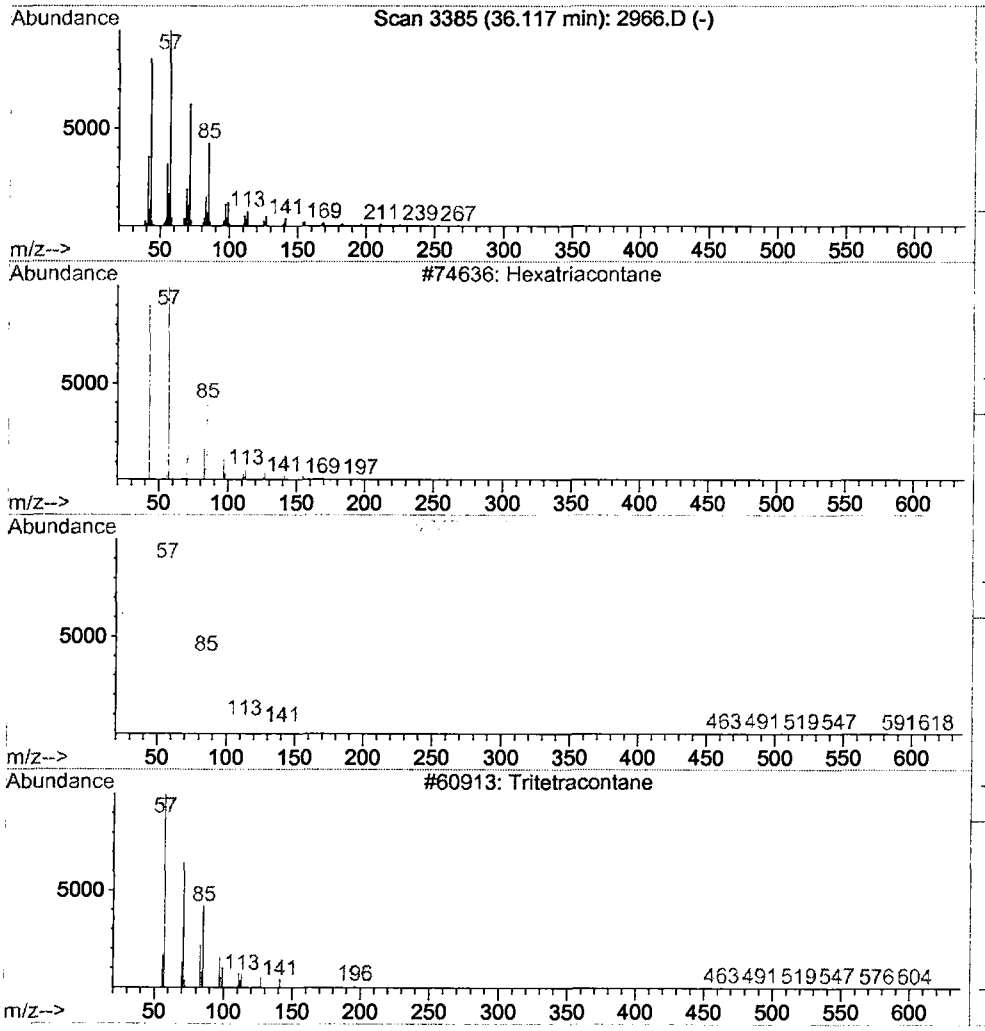
Quant Method : C:\HPCHEM\1\METHODS\GCMS0208.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

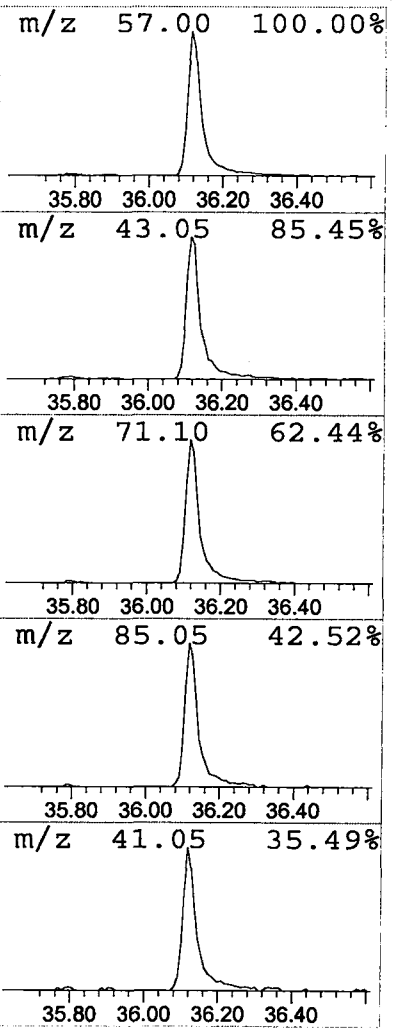
****

Peak Number 3 Hexatriacontane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
36.12	3.25 ug/l	404628	Perylene-d12	38.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexatriacontane	507	C36H74	000630-06-8	95
2	Tetratetracontane	619	C44H90	007098-22-8	91
3	Tritetracontane	605	C43H88	007098-21-7	91
4	Triacontane	422	C30H62	000638-68-6	91





Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\FEB0802\2966.D
Acq On : 9 Feb 2002 1:30 pm
Sample : GC/MS SCAN 2/7
Misc :
MS Integration Params: LSCINT.P

Vial: 30
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

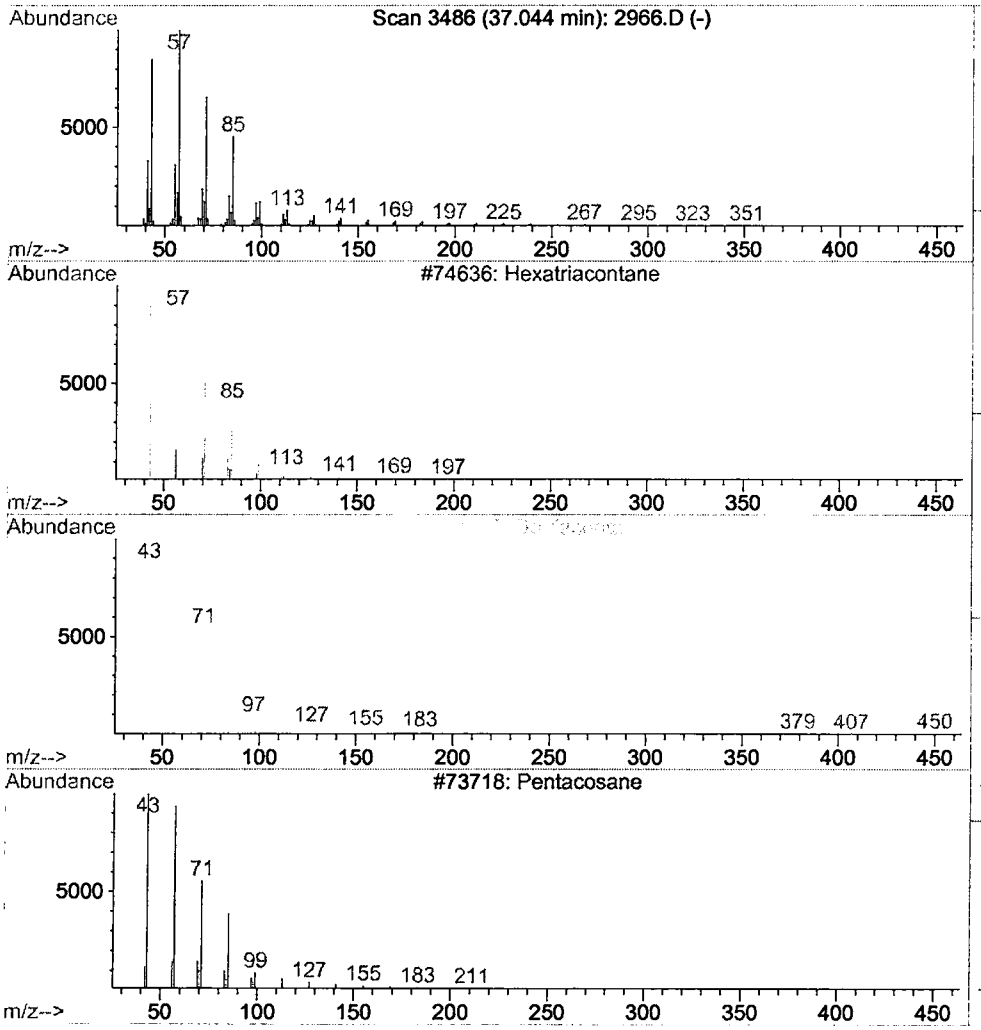
Quant Method : C:\HPCHEM\1\METHODS\GCMS0208.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

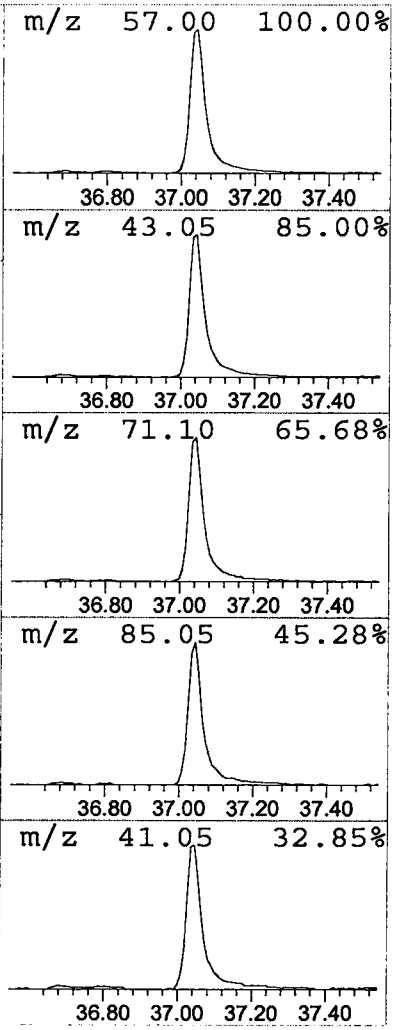
****

Peak Number 4 Hexatriacontane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
37.04	6.62 ug/l	823309	Perylene-d12	38.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexatriacontane	507	C36H74	000630-06-8	95
2	Dotriacontane	451	C32H66	000544-85-4	91
3	Pentacosane	352	C25H52	000629-99-2	91
4	Tetratetracontane	619	C44H90	007098-22-8	91





Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\FEB0802\2966.D
Acq On : 9 Feb 2002 1:30 pm
Sample : GC/MS SCAN 2/7
Misc :
MS Integration Params: LSCINT.P

Vial: 30
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

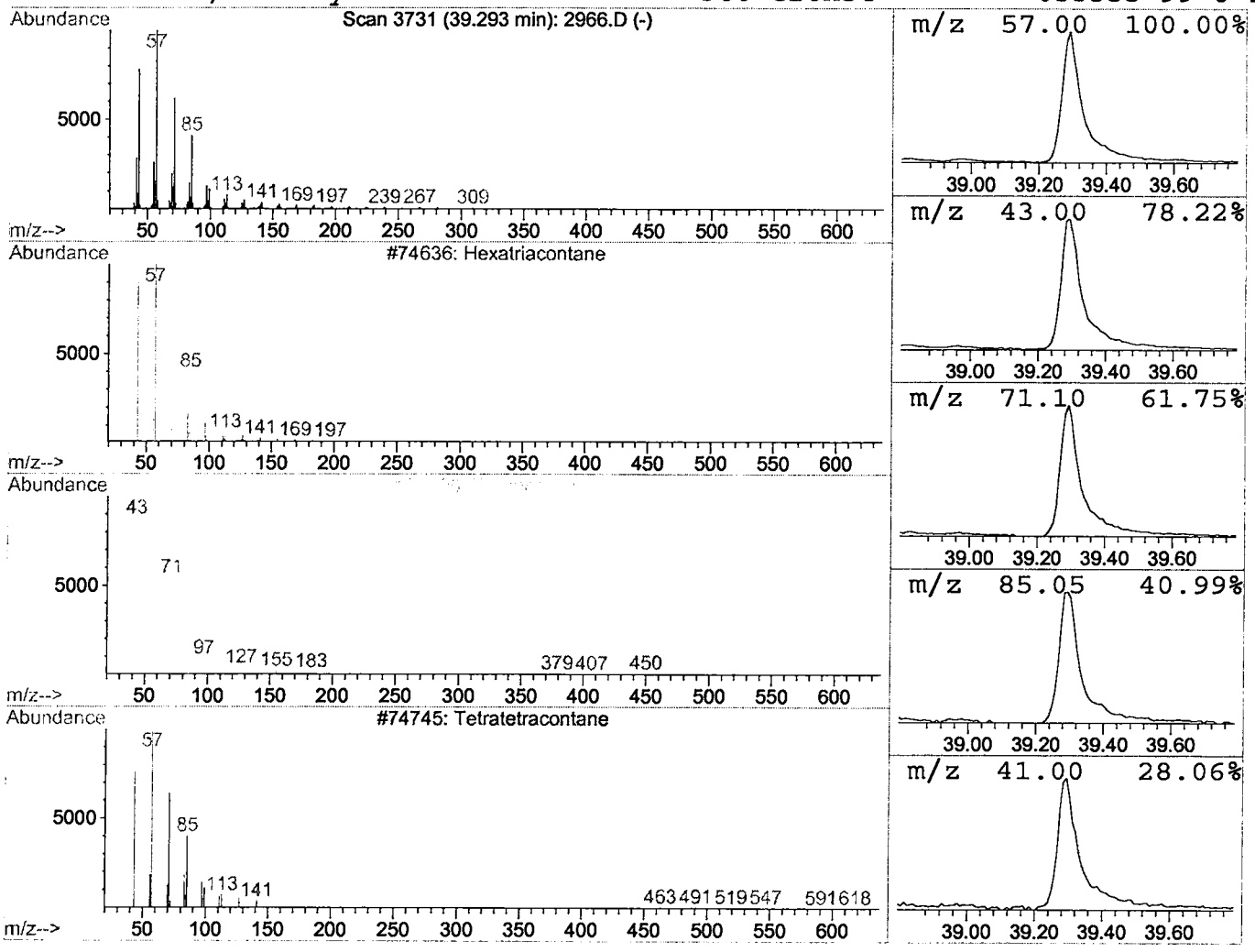
Quant Method : C:\HPCHEM\1\METHODS\GCMS0208.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 5 Hexatriacontane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
39.29	5.65 ug/l	702834	Perylene-d12	38.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexatriacontane	507	C36H74	000630-06-8	95
2	Dotriacontane	451	C32H66	000544-85-4	91
3	Tetratetracontane	619	C44H90	007098-22-8	91
4	Eicosane, 7-hexyl-	366	C26H54	055333-99-8	91



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\FEB0802\2966.D
Acq On : 9 Feb 2002 1:30 pm
Sample : GC/MS SCAN 2/7
Misc :
MS Integration Params: LSCINT.P

Vial: 30
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

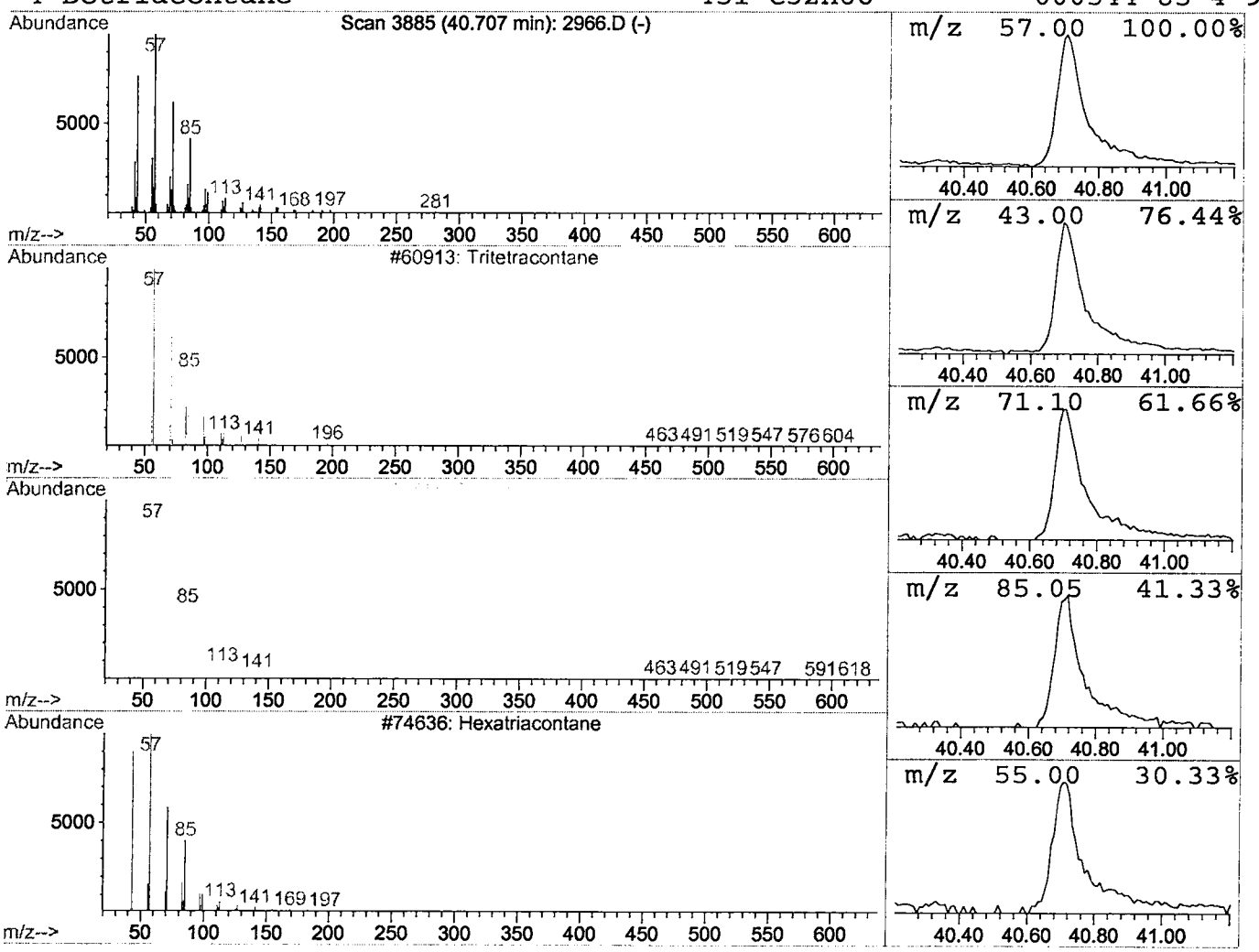
Quant Method : C:\HPCHEM\1\METHODS\GCMS0208.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 6 Tritetracontane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
40.71	2.71 ug/l	337124	Perylene-d12	38.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tritetracontane	605	C43H88	007098-21-7	91
2	Tetratetracontane	619	C44H90	007098-22-8	91
3	Hexatriacontane	507	C36H74	000630-06-8	91
4	Dotriacontane	451	C32H66	000544-85-4	91



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\FEB0802\2966.D
Acq On : 9 Feb 2002 1:30 pm
Sample : GC/MS SCAN 2/7
Misc :
MS Integration Params: LSCINT.P

Vial: 30
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

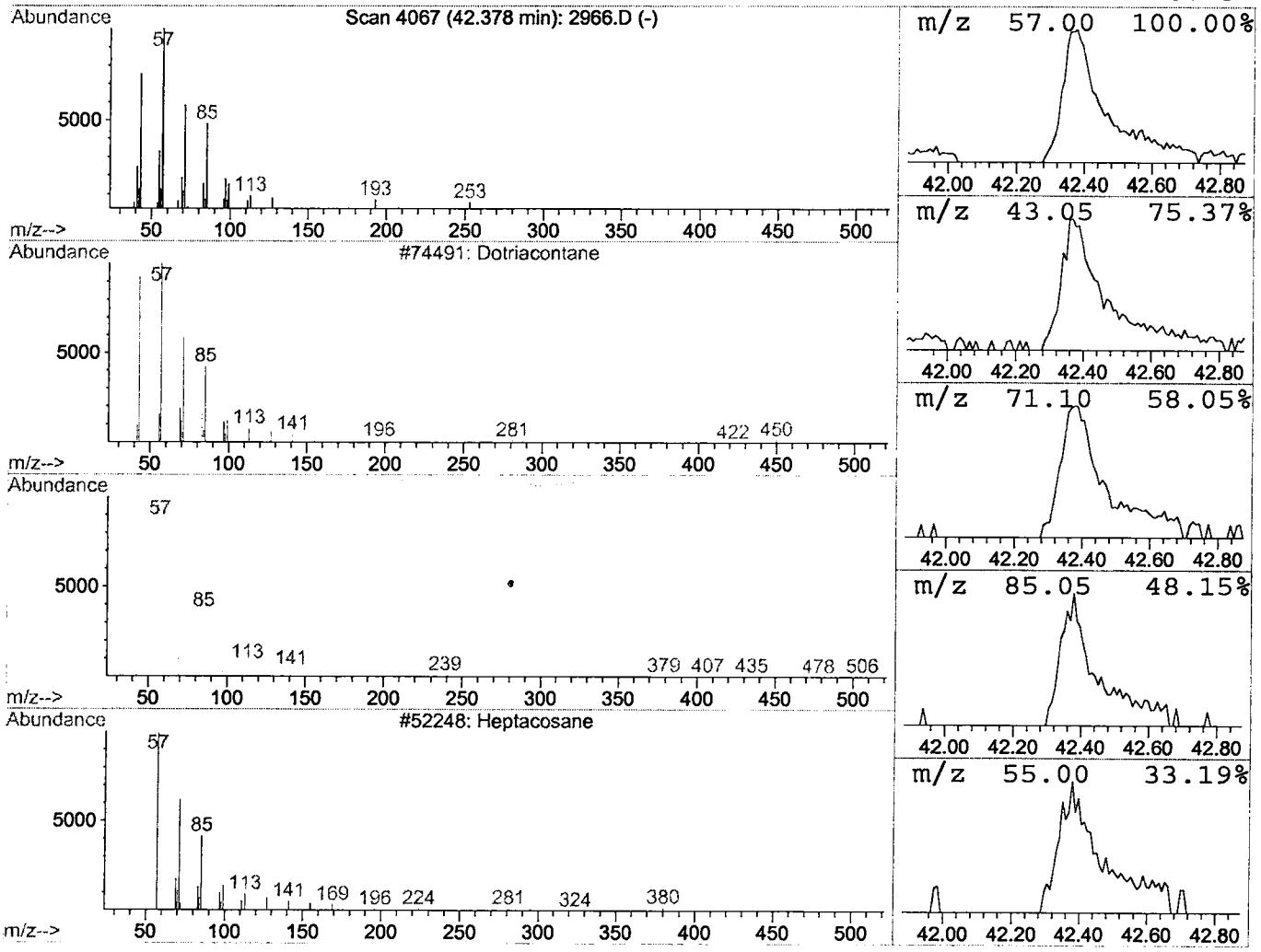
Quant Method : C:\HPCHEM\1\METHODS\GCMS0208.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 7 Dotriacontane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
42.38	0.82 ug/l	101444	Perylene-d12	38.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dotriacontane	451	C32H66	000544-85-4	87
2	Hexatriacontane	507	C36H74	000630-06-8	87
3	Heptacosane	380	C27H56	000593-49-7	86
4	Pentatriacontane	493	C35H72	000630-07-9	86



Tentatively Identified Compound (LSC) summary

Operator ID: 209 GALOS Date Acquired: 9 Feb 2002 1:30 pm
Data File: C:\HPCHEM\1\DATA\FEB0802\2966.D
Name: GC/MS SCAN 2/7
Misc:
Method: C:\HPCHEM\1\METHODS\GCMS0208.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
Silane, tetramethyl-	8.22	2.3	ug/l	254656	ISTD01	12.35	2180430	20.0
Pentacosane	35.23	1.2	ug/l	119033	ISTD05	33.82	2006250	20.0
Hexatriacontane	36.12	3.3	ug/l	404628	ISTD06	38.11	2487280	20.0
Hexatriacontane	37.04	6.6	ug/l	823309	ISTD06	38.11	2487280	20.0
Hexatriacontane	39.29	5.7	ug/l	702834	ISTD06	38.11	2487280	20.0
Tritetracontane	40.71	2.7	ug/l	337124	ISTD06	38.11	2487280	20.0
Dotriacontane	42.38	0.8	ug/l	101444	ISTD06	38.11	2487280	20.0

2966.D GCMS0208.M Wed Feb 13 11:07:50 2002