User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 02/15/2002 Time: 15:45:54

Sample: AD31550
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 2/15/02 15:45 Ended: 2/15/02 15:45 Analyst: DLV
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr_2,4-DDD		94		5.0

Comments for Sample AD31550 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 02-15-2002 Time: 15:45:57

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds.
The recoveries for 15 of the 43 compounds in the LCS Standard were below their acceptance ranges.

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\JAN1802\31550.D Vial: 16
Acq On : 19 Jan 2002 6:13 am Operator: 209 GALOS
Sample : gc/ms scan 12/31 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Feb 6 15:28 2002 Quant Results File: GCMS0103.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS0103.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Thu Dec 13 14:40:46 2001
Response via : Initial Calibration
DataAcq Meth : GCMS0103

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	11.50	152	736248	20.00	ug/l	-0.03
10) Naphthalene-d8	15.09	136	2877725	20.00	ug/l	-0.02
17) Acenaphthene-d10	20.35	164	1430995	20.00	ug/l	-0.03
29) Phenanthrene-d10	24.77	188	1996124	20.00	ug/l	-0.03
38) Chrysene-d12	32.80	240	1327038	20.00	ug/l	-0.03
44) Perylene-d12	36.86	264	853025	20.00	ug/l	-0.03
System Monitoring Compounds						
37) 2,4-DDD	29.85	235	108091	4.72	ug/mL	-0.22
Spiked Amount 5.000			Recovery = 94.40%			
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	15.14	128	1149	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.	d	
22) Acenaphthylene	0.00	152	0	N.D.		
23) Acenaphthene	0.00	153	0	N.D.		
24) 2,4-Dinitrotoluene	20.84	165	188	N.D.		
25) Diethylphthalate	21.89	149	1265	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\JAN1802\31550.D Vial: 16
Acq On : 19 Jan 2002 6:13 am Operator: 209 GALOS
Sample : gc/ms scan 12/31 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Feb 6 15:28 2002 Quant Results File: GCMS0103.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS0103.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Thu Dec 13 14:40:46 2001
Response via : Initial Calibration
DataAcq Meth : GCMS0103

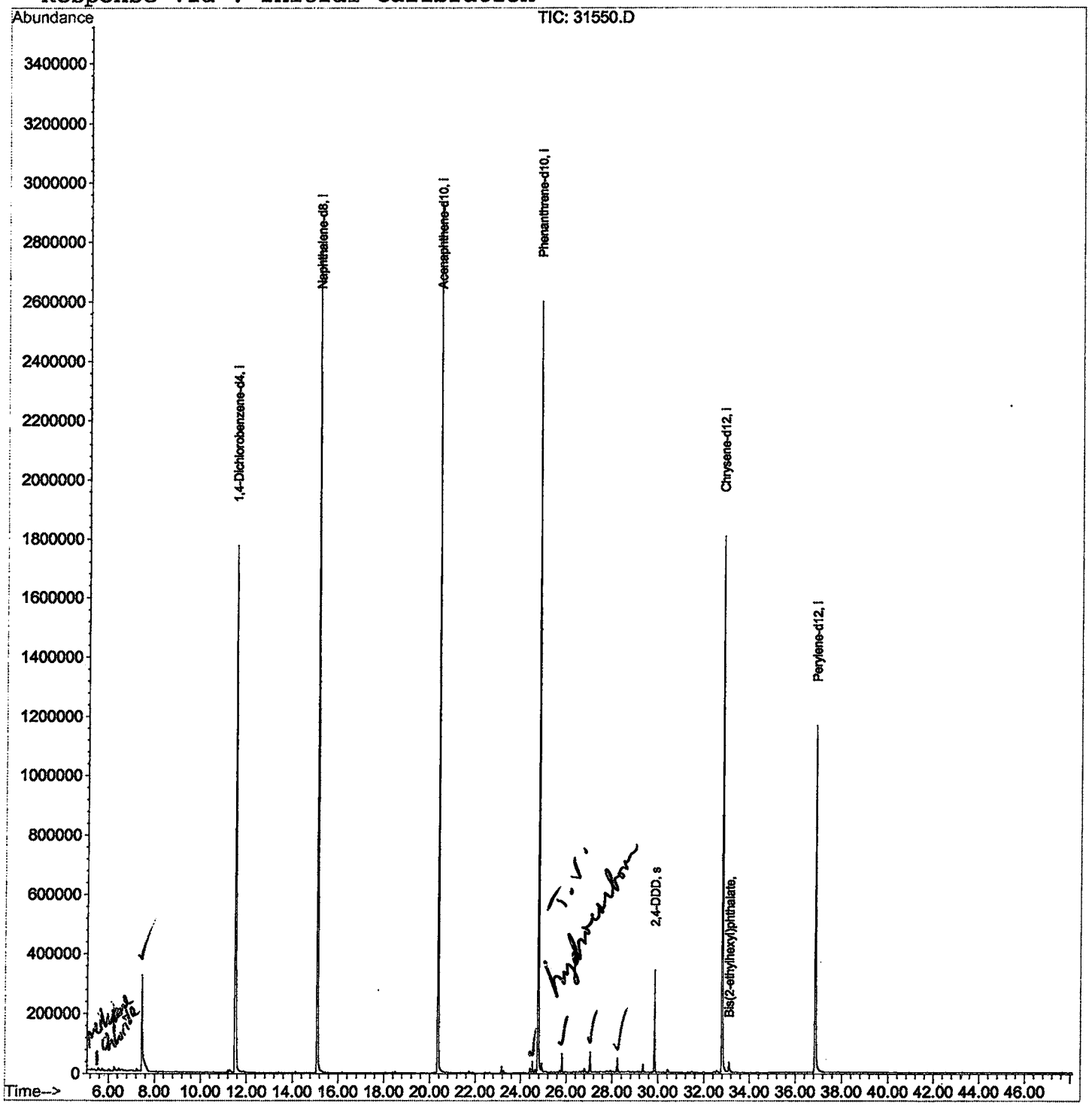
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
30)	N-Nitrosodiphenylamine	0.00	168	0	N.D.	
31)	4-Bromophenyl-phenylether	0.00	248	0	N.D.	
32)	Hexachlorobenzene	0.00	284	0	N.D.	
33)	Phenanthrene	24.84	178	327	N.D.	
34)	Anthracene	24.84	178	327	N.D.	
35)	Di-n-butylphthalate	26.80	149	12788	N.D.	
36)	Fluoranthene	0.00	202	0	N.D.	
39)	Pyrene	29.12	202	404	N.D.	
40)	Butylbenzylphthalate	31.31	149	1558	N.D.	
41)	Benzo(a)anthracene	32.80	228	3700	N.D.	
42)	Bis(2-ethylhexyl)phthalate	33.11	149	30483	0.35 ug/l	96
43)	Chrysene	32.89	228	182	N.D.	
45)	Di-n-Octylphthalate	34.85	149	2425	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	36.87	252	3562	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\JAN1802\31550.D Vial: 16
Acq On : 19 Jan 2002 6:13 am Operator: 209 GALOS
Sample : gc/ms scan 12/31 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Feb 6 15:28 2002 Quant Results File: GCMS0103.RES

Method : C:\HPCHEM\1\METHODS\GCMS0103.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Mon Jan 07 10:31:02 2002
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\JAN1802\31550.D Vial: 16
Acq On : 19 Jan 2002 6:13 am Operator: 209 GALOS
Sample : gc/ms scan 12/31 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\GCMS0103.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

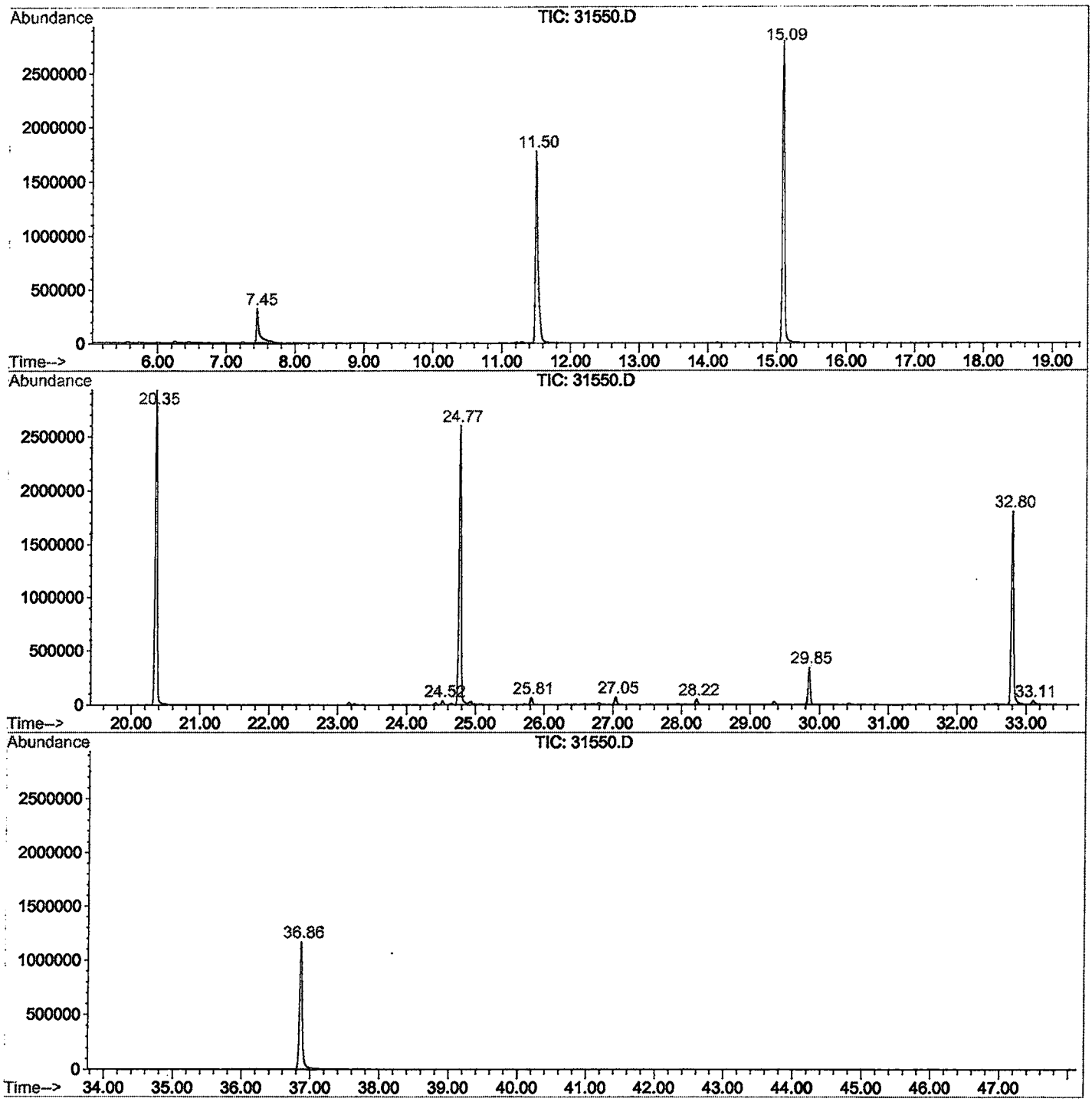
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	7.447	258	262	295	rVB	321332	985980	16.33%	3.079%
2	11.495	698	703	724	rBV	1773224	4745076	78.61%	14.817%
3	15.094	1089	1095	1110	rBV	2792398	5910297	97.91%	18.455%
4	20.354	1662	1668	1692	rBV	2934029	6036522	100.00%	18.850%
5	24.522	2117	2122	2127	rBV	38064	71000	1.18%	0.222%
6	24.770	2143	2149	2162	rBV2	2597541	5661580	93.79%	17.679%
7	25.807	2258	2262	2270	rVB	62853	129411	2.14%	0.404%
8	27.047	2390	2397	2404	rBV	67273	143084	2.37%	0.447%
9	28.222	2519	2525	2531	rBV	47632	106592	1.77%	0.333%
10	29.847	2697	2702	2709	rVB	340235	689845	11.43%	2.154%
11	32.803	3017	3024	3043	rBV2	1805581	4285484	70.99%	13.382%
12	33.106	3052	3057	3068	rVB	32664	98113	1.63%	0.306%
13	36.861	3459	3466	3481	rBV	1164274	3161615	52.37%	9.872%

Sum of corrected areas: 32024599

31550.D GCMS0103.M Wed Feb 06 15:40:42 2002

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\JAN1802\31550.D
Operator : 209 GALOS
Acquired : 19 Jan 2002 6:13 am using AcqMethod GCMS0103
Instrument : GC/MS 209
Sample Name: gc/ms scan 12/31
Misc Info :
Vial Number: 16
Quant File :GCMS0103.RES (RTE Integrator)



31550.D GCMS0103.M Wed Feb 06 15:40:48 2002

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\JAN1802\31550.D
Acq On : 19 Jan 2002 6:13 am
Sample : gc/ms scan 12/31
Misc :
MS Integration Params: LSCINT.P

Vial: 16
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

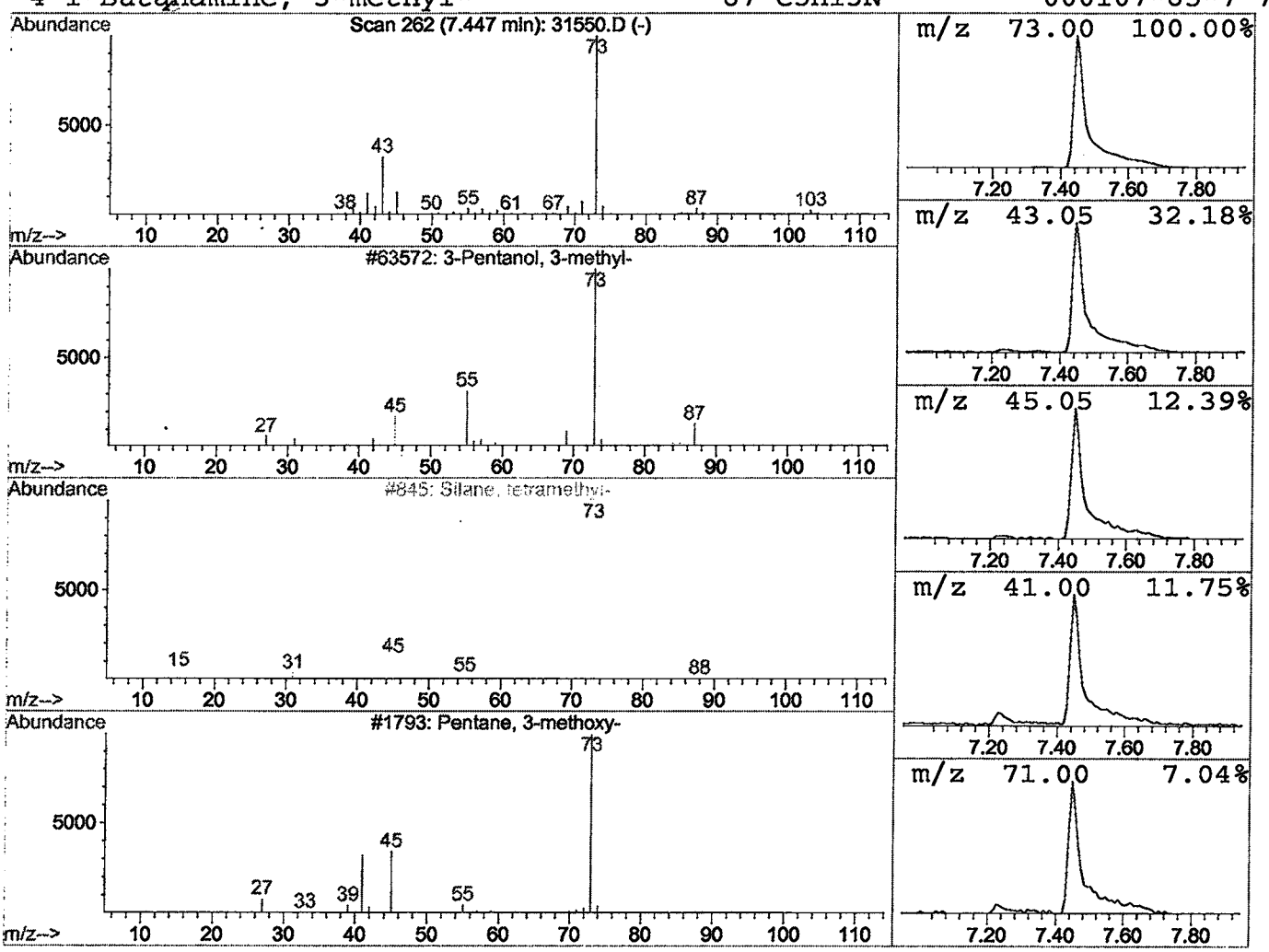
Quant Method : C:\HPCHEM\1\METHODS\GCMS0103.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.45	4.16 ug/l	985980	1,4-Dichlorobenzene-d4	11.50

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	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	9
4	1-Butanamine, 3-methyl-	87	C5H13N	000107-85-7	7



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\JAN1802\31550.D
Acq On : 19 Jan 2002 6:13 am
Sample : gc/ms scan 12/31
Misc :
MS Integration Params: LSCINT.P

Vial: 16
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

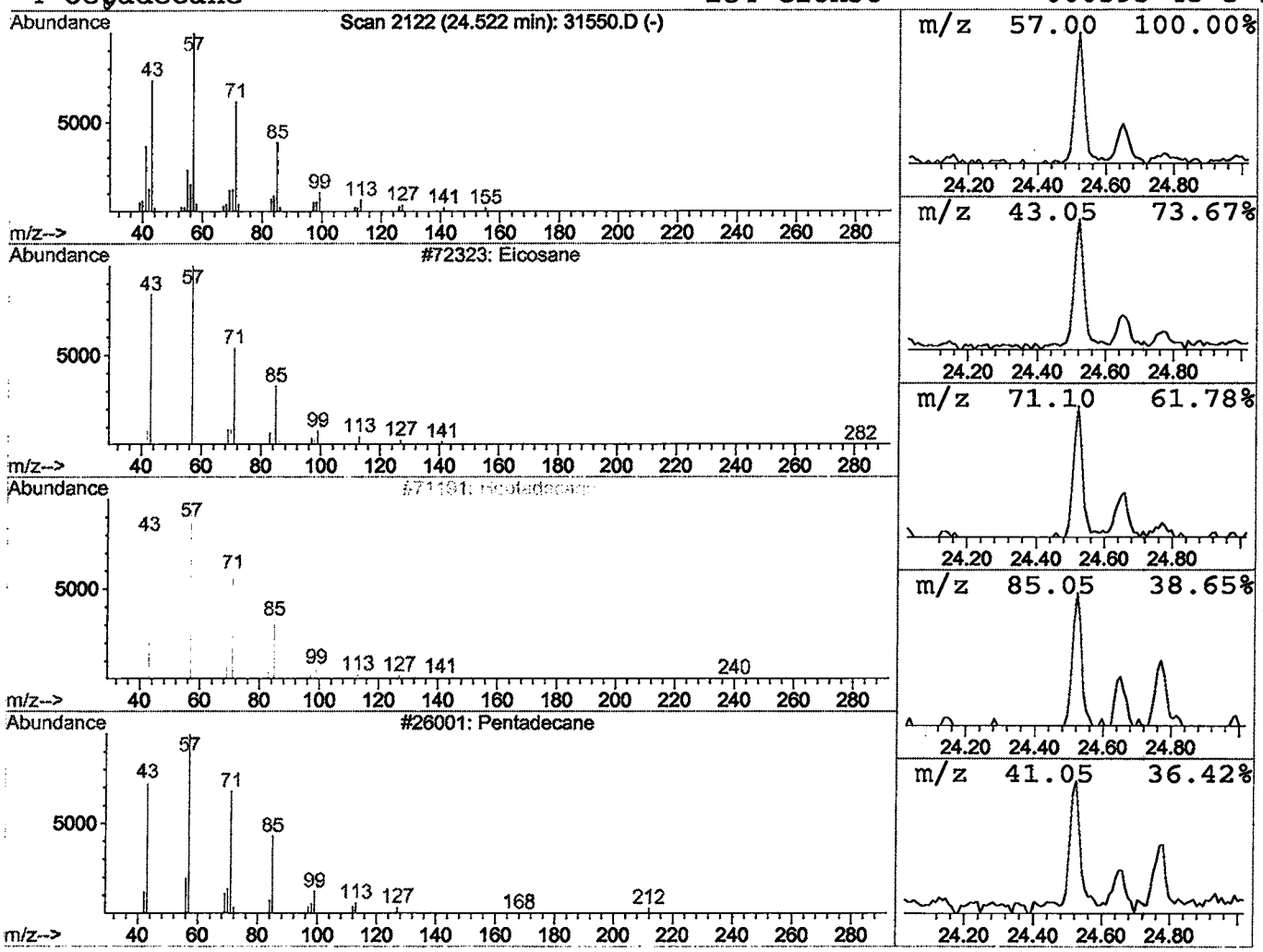
Quant Method : C:\HPCHEM\1\METHODS\GCMS0103.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 2 Eicosane — Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.52	0.25 ug/l	71000	Phenanthrene-d10	24.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	91
2	Heptadecane	240	C17H36	000629-78-7	91
3	Pentadecane	212	C15H32	000629-62-9	91
4	Octadecane	254	C18H38	000593-45-3	90



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\JAN1802\31550.D
Acq On : 19 Jan 2002 6:13 am
Sample : gc/ms scan 12/31
Misc :
MS Integration Params: LSCINT.P

Vial: 16
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

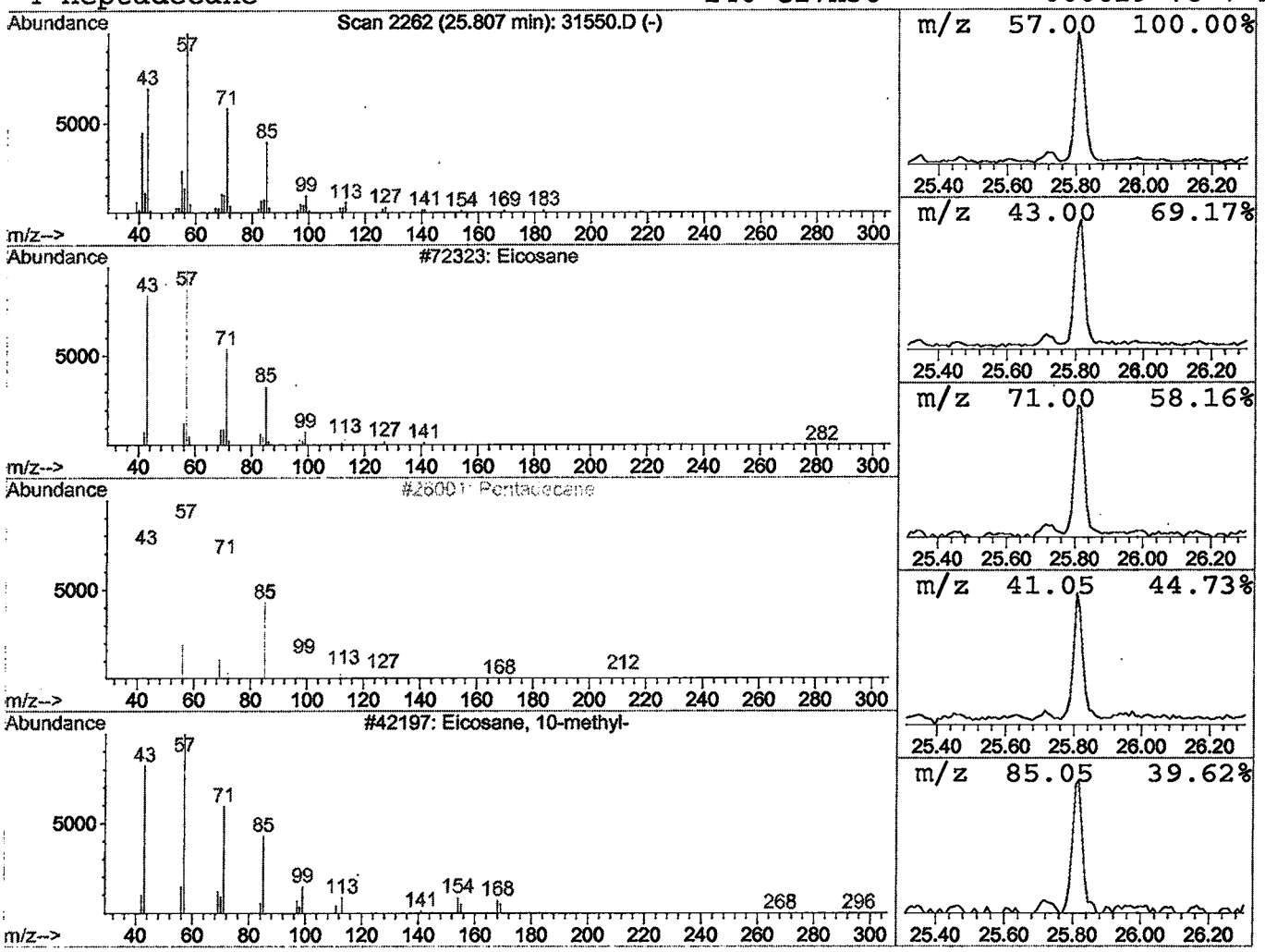
Quant Method : C:\HPCHEM\1\METHODS\GCMS0103.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 3 Eicosane — Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.81	0.46 ug/l	129411	Phenanthrene-d10	24.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	91
2	Pentadecane	212	C15H32	000629-62-9	91
3	Eicosane, 10-methyl-	296	C21H44	054833-23-7	91
4	Heptadecane	240	C17H36	000629-78-7	91



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\JAN1802\31550.D
Acq On : 19 Jan 2002 6:13 am
Sample : gc/ms scan 12/31
Misc :
MS Integration Params: LSCINT.P

Vial: 16
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

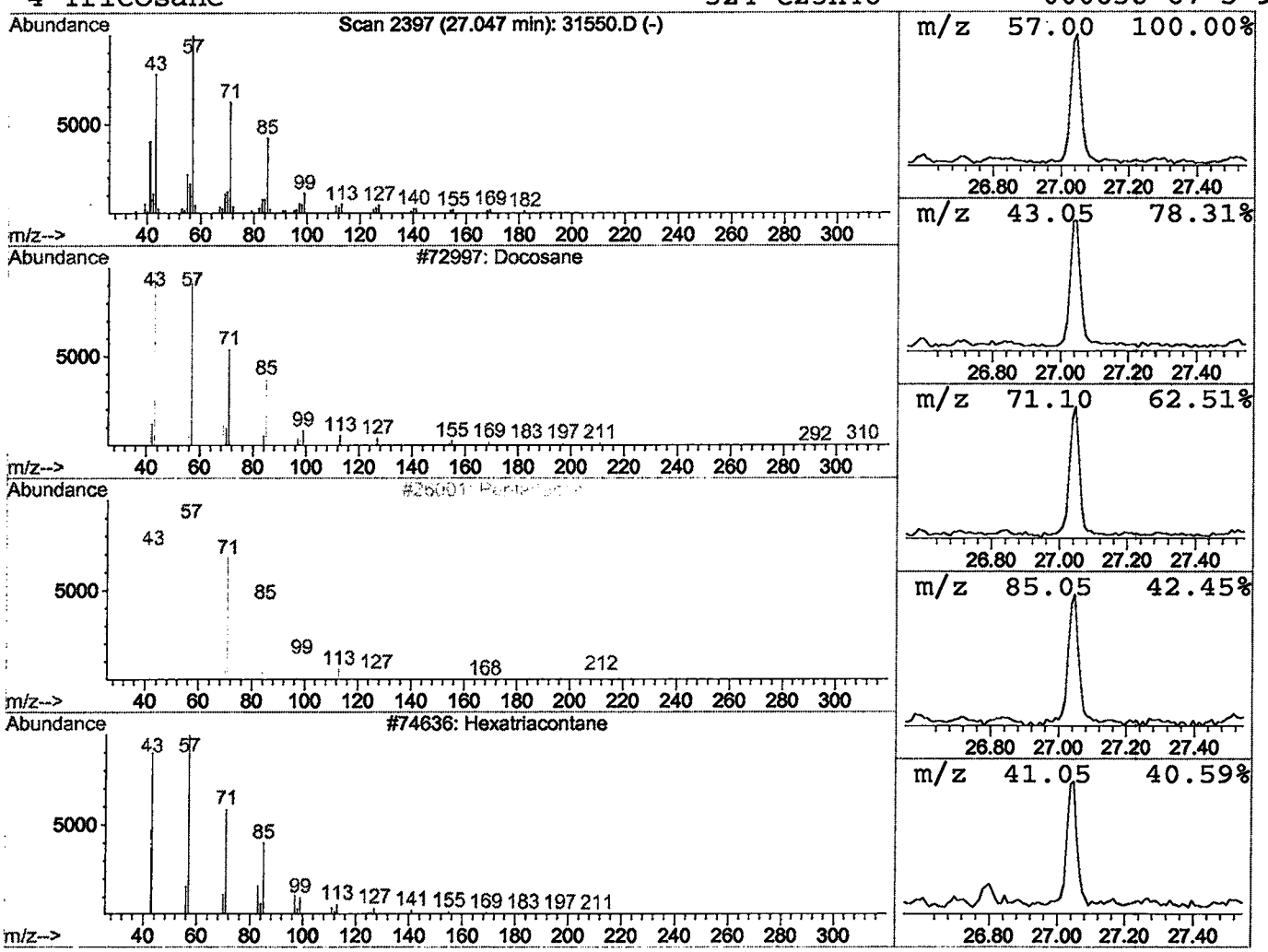
Quant Method : C:\HPCHEM\1\METHODS\GCMS0103.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 4 Docosane — Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
27.05	0.51 ug/l	143084	Phenanthrene-d10	24.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Docosane	310	C22H46	000629-97-0	91
2	Pentadecane	212	C15H32	000629-62-9	91
3	Hexatriacontane	507	C36H74	000630-06-8	91
4	Tricosane	324	C23H48	000638-67-5	91



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\JAN1802\31550.D
Acq On : 19 Jan 2002 6:13 am
Sample : gc/ms scan 12/31
Misc :
MS Integration Params: LSCINT.P

Vial: 16
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

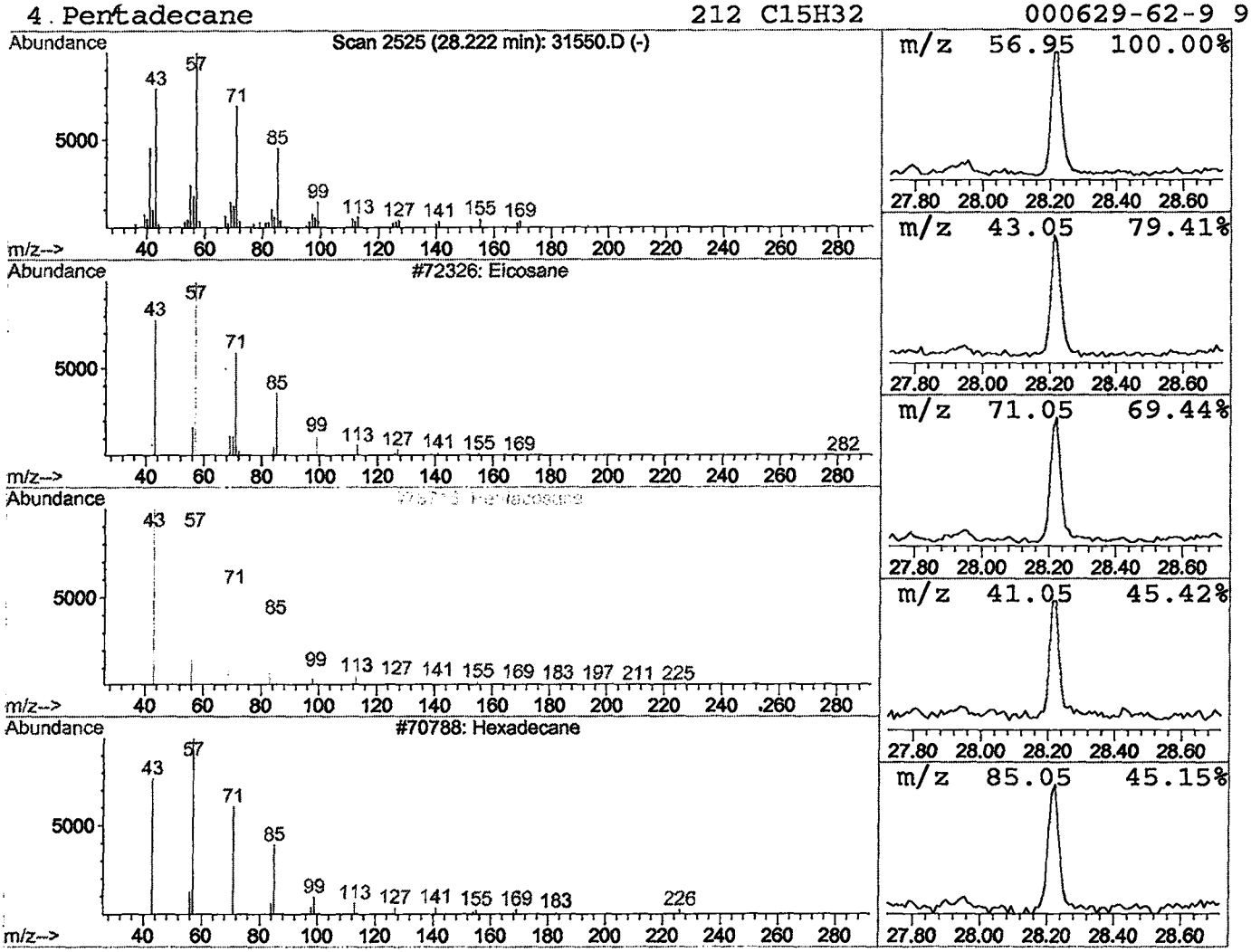
Quant Method : C:\HPCHEM\1\METHODS\GCMS0103.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 5 Eicosane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
28.22	0.38 ug/l	106592	Phenanthrene-d10	24.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	91
2	Pentacosane	352	C25H52	000629-99-2	91
3	Hexadecane	226	C16H34	000544-76-3	90
4	Pentadecane	212	C15H32	000629-62-9	90



Tentatively Identified Compound (LSC) summary

Operator ID: 209 GALOS Date Acquired: 19 Jan 2002 6:13 am
Data File: C:\HPCHEM\1\DATA\JAN1802\31550.D
Name: gc/ms scan 12/31
Misc:
Method: C:\HPCHEM\1\METHODS\GCMS0103.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	4.2	ug/l	985980	ISTD01	11.50	4745080	20.0
Eicosane	24.52	0.3	ug/l	71000	ISTD04	24.77	5661580	20.0
Eicosane	25.81	0.5	ug/l	129411	ISTD04	24.77	5661580	20.0
Docosane	27.05	0.5	ug/l	143084	ISTD04	24.77	5661580	20.0
Eicosane	28.22	0.4	ug/l	106592	ISTD04	24.77	5661580	20.0

31550.D GCMS0103.M Wed Feb 06 15:41:16 2002