User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 02/25/2002 Time: 15:38:57

Sample: AD31248
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 2/25/02 15:38 Ended: 2/25/02 15:38 Analyst: DLV
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr_2,4-DDD		87		5.0

Comments for Sample AD31248 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 02-25-2002 Time: 15:39:30

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds. This sample was extracted twice with Surrogate Standard recoveries of 76% and 87%. The LCS Standards for both extractions had an unusually high number of compounds with results below their acceptance ranges. This sample will receive an analysis cost discount.

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\JAN0802\31248.D Vial: 13
Acq On : 10 Jan 2002 1:30 am Operator: 209 GALOS
Sample : gcms scan 12/24 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Feb 6 11:05 2002 Quant Results File: GCMS0103.RES

Quant 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
DataAcq Meth : GCMS0103

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	11.53	152	870372	20.00	ug/l	0.00
10) Naphthalene-d8	15.12	136	3398393	20.00	ug/l	0.00
17) Acenaphthene-d10	20.39	164	1706730	20.00	ug/l	0.00
29) Phenanthrene-d10	24.81	188	2440641	20.00	ug/l	0.00
38) Chrysene-d12	32.84	240	1495137	20.00	ug/l	0.00
44) Perylene-d12	36.91	264	886473	20.00	ug/l	0.01
System Monitoring Compounds						
37) 2,4-DDD	29.88	235	106252	3.79	ug/mL	-0.19
Spiked Amount 5.000			Recovery = 75.80%			
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	13.35	82	188	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	15.19	128	1131	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	20.85	165	265	N.D.		
25) Diethylphthalate	21.93	149	812	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\JAN0802\31248.D Vial: 13
Acq On : 10 Jan 2002 1:30 am Operator: 209 GALOS
Sample : gcms scan 12/24 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Feb 6 11:05 2002 Quant Results File: GCMS0103.RES

Quant 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
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	24.88	178	415	N.D.	
34)	Anthracene	24.88	178	415	N.D.	
35)	Di-n-butylphthalate	26.84	149	4140	N.D.	
36)	Fluoranthene	28.52	202	102	N.D.	
39)	Pyrene	0.00	202	0	N.D.	
40)	Butylbenzylphthalate	0.00	149	0	N.D.	
41)	Benzo(a)anthracene	32.84	228	3961	N.D.	
42)	Bis(2-ethylhexyl)phthalate	33.13	149	2377	N.D.	
43)	Chrysene	32.84	228	3961	N.D.	
45)	Di-n-Octylphthalate	0.00	149	0	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	36.91	252	3720	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

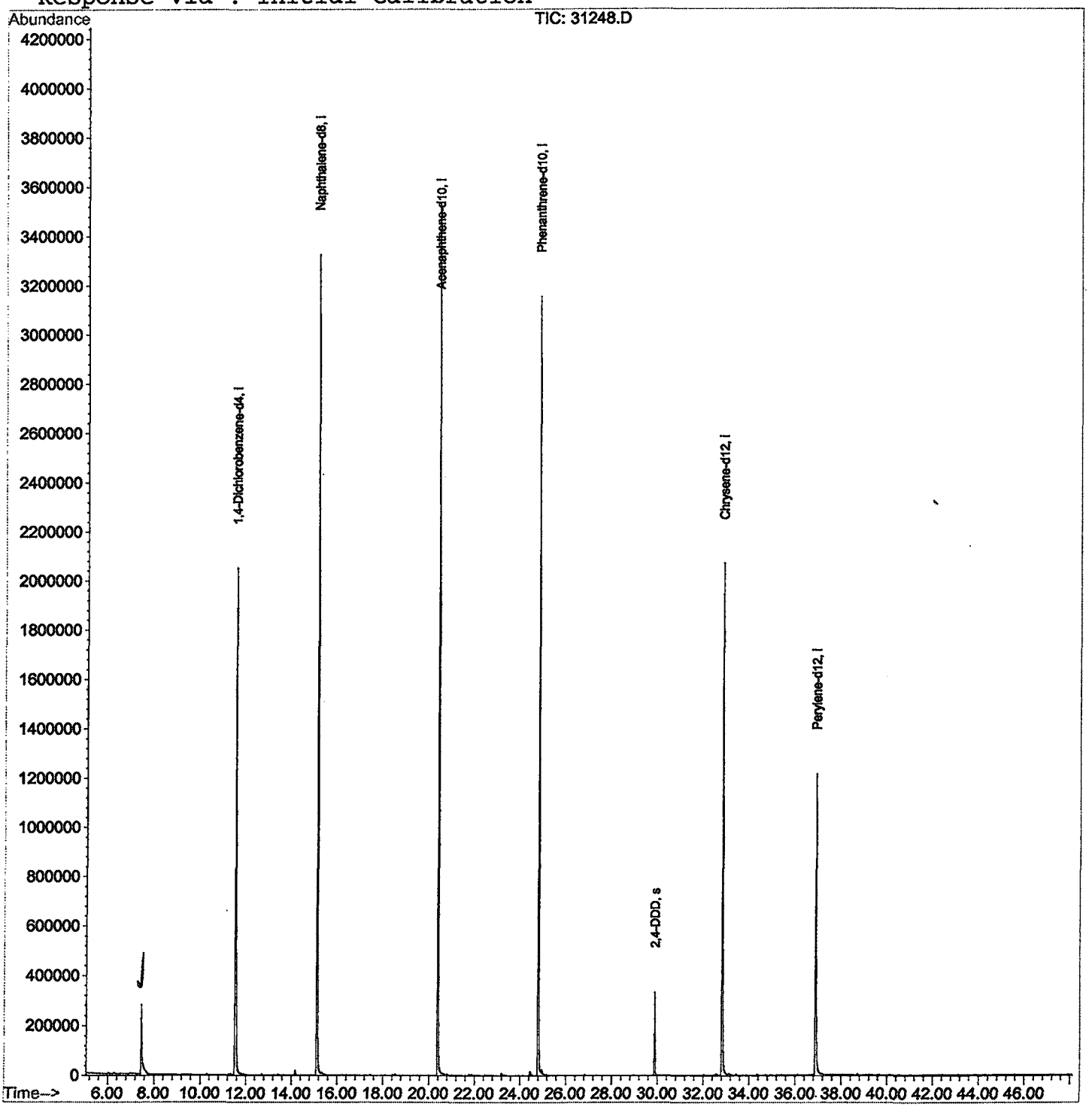
Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN0802\31248.D
Acq On : 10 Jan 2002 1:30 am
Sample : gcms scan 12/24
Misc :
MS Integration Params: GOOFY.P
Quant Time: Feb 6 11:05 2002

Vial: 13
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

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\JAN0802\31248.D Vial: 13
Acq On : 10 Jan 2002 1:30 am Operator: 209 GALOS
Sample : gcms scan 12/24 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

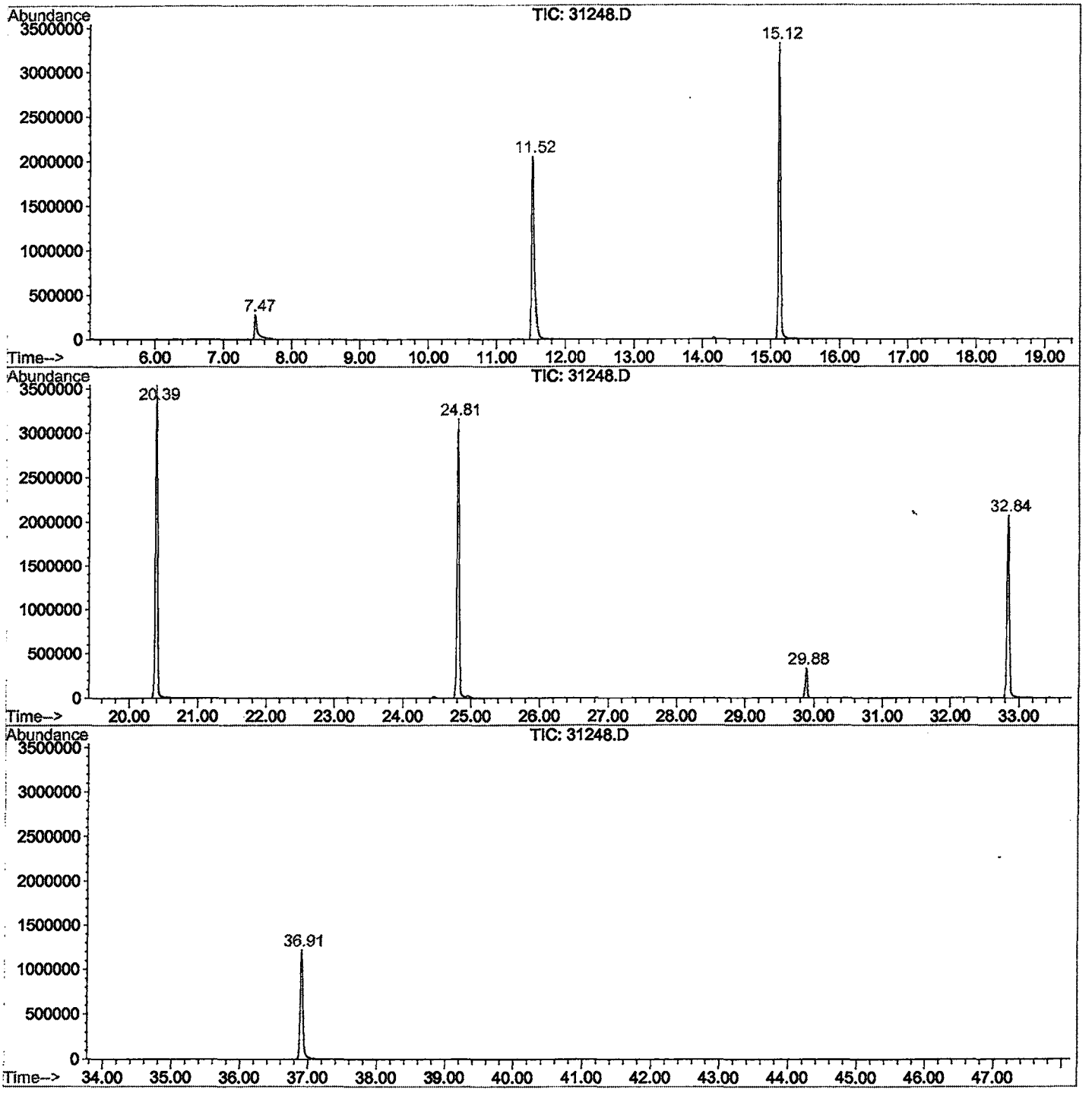
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	7.465	260	264	294	rBV	276791	874639	12.19%	2.429%
2	11.523	701	706	726	rBV	2051061	5451933	76.01%	15.142%
3	15.122	1093	1098	1116	rBV	3325900	6931584	96.64%	19.252%
4	20.391	1666	1672	1698	rBV	3537940	7172761	100.00%	19.922%
5	24.807	2147	2153	2166	rBV2	3156006	6847693	95.47%	19.019%
6	29.884	2701	2706	2713	rBV	333146	652810	9.10%	1.813%
7	32.840	3021	3028	3048	rBV2	2071274	4799902	66.92%	13.331%
8	36.906	3463	3471	3494	rBV	1215462	3273217	45.63%	9.091%

Sum of corrected areas: 36004539

31248.D GCMS0103.M Wed Feb 06 11:18:05 2002

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\JAN0802\31248.D
Operator : 209 GALOS
Acquired : 10 Jan 2002 1:30 am using AcqMethod GCMS0103
Instrument : GC/MS 209
Sample Name: gcms scan 12/24
Misc Info :
Vial Number: 13
Quant File :GCMS0103.RES (RTE Integrator)



31248.D GCMS0103.M Wed Feb 06 11:18:11 2002

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\JAN0802\31248.D
Acq On : 10 Jan 2002 1:30 am
Sample : gcms scan 12/24
Misc :
MS Integration Params: LSCINT.P

Vial: 13
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

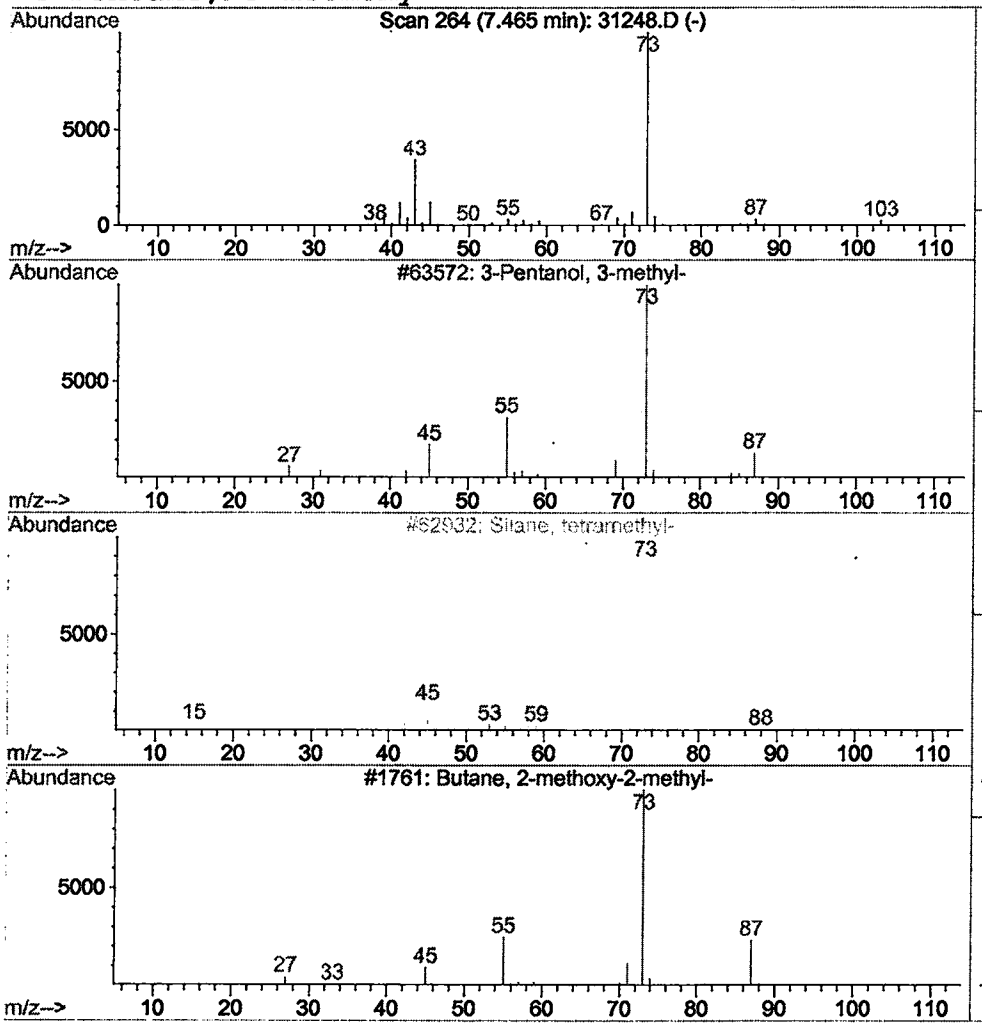
Quant Method : C:\HPCHEM\1\METHODS\GCMS0103.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

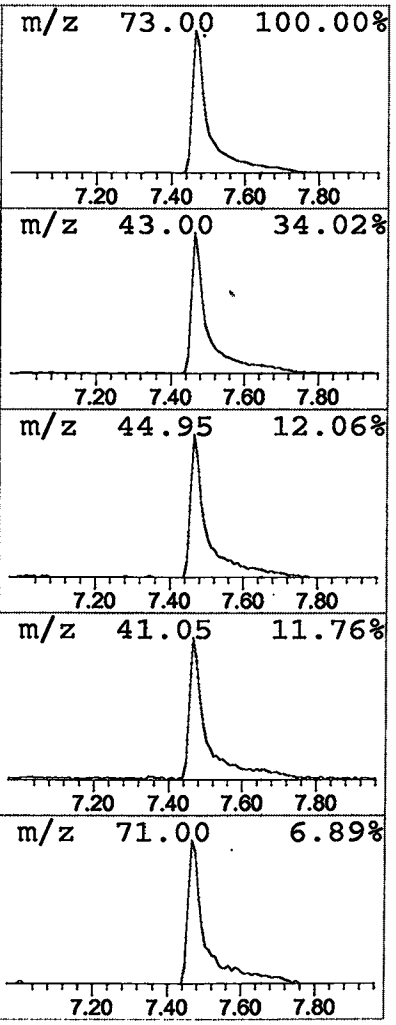
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.47	3.21 ug/l	874639	1,4-Dichlorobenzene-d4	11.53

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	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	9
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	9





Tentatively Identified Compound (LSC) summary

Operator ID: 209 GALOS Date Acquired: 10 Jan 2002 1:30 am
Data File: C:\HPCHEM\1\DATA\JAN0802\31248.D
Name: gcms scan 12/24
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	7.47	3.2	ug/l	874639	ISTD01	11.53	5451930	20.0

31248.D GCMS0103.M Wed Feb 06 11:18:20 2002

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\FEB1402\31248.D Vial: 27
Acq On : 15 Feb 2002 4:25 am Operator: 209 GALOS
Sample : GC/MS SCAN 2/11 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Feb 15 11:59 2002 Quant Results File: GCMS0208.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS0208.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Wed Feb 13 11:43:23 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	360431	20.00	ug/l	0.00
10) Naphthalene-d8	15.98	136	1407009	20.00	ug/l	-0.02
17) Acenaphthene-d10	21.30	164	756557	20.00	ug/l	-0.02
29) Phenanthrene-d10	25.75	188	1117789	20.00	ug/l	-0.02
38) Chrysene-d12	33.82	240	796250	20.00	ug/l	-0.02
44) Perylene-d12	38.11	264	520709	20.00	ug/l	-0.02
System Monitoring Compounds						
37) 2,4-DDD	30.83	235	48727	4.34	ug/mL	0.33
Spiked Amount 5.000			Recovery = 86.80%			
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	16.05	128	498	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	22.79	149	200	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\FEB1402\31248.D Vial: 27
Acq On : 15 Feb 2002 4:25 am Operator: 209 GALOS
Sample : GC/MS SCAN 2/11 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Feb 15 11:59 2002 Quant Results File: GCMS0208.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS0208.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Wed Feb 13 11:43:23 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	25.76	178	304	N.D.	
34) Anthracene	25.76	178	304	N.D.	
35) Di-n-butylphthalate	27.72	149	4219	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	2069	N.D.	
42) Bis(2-ethylhexyl)phthalate	34.02	149	302	N.D.	
43) Chrysene	33.82	228	2160	N.D.	
45) Di-n-Octylphthalate	0.00	149	0	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	38.11	252	2288	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.	

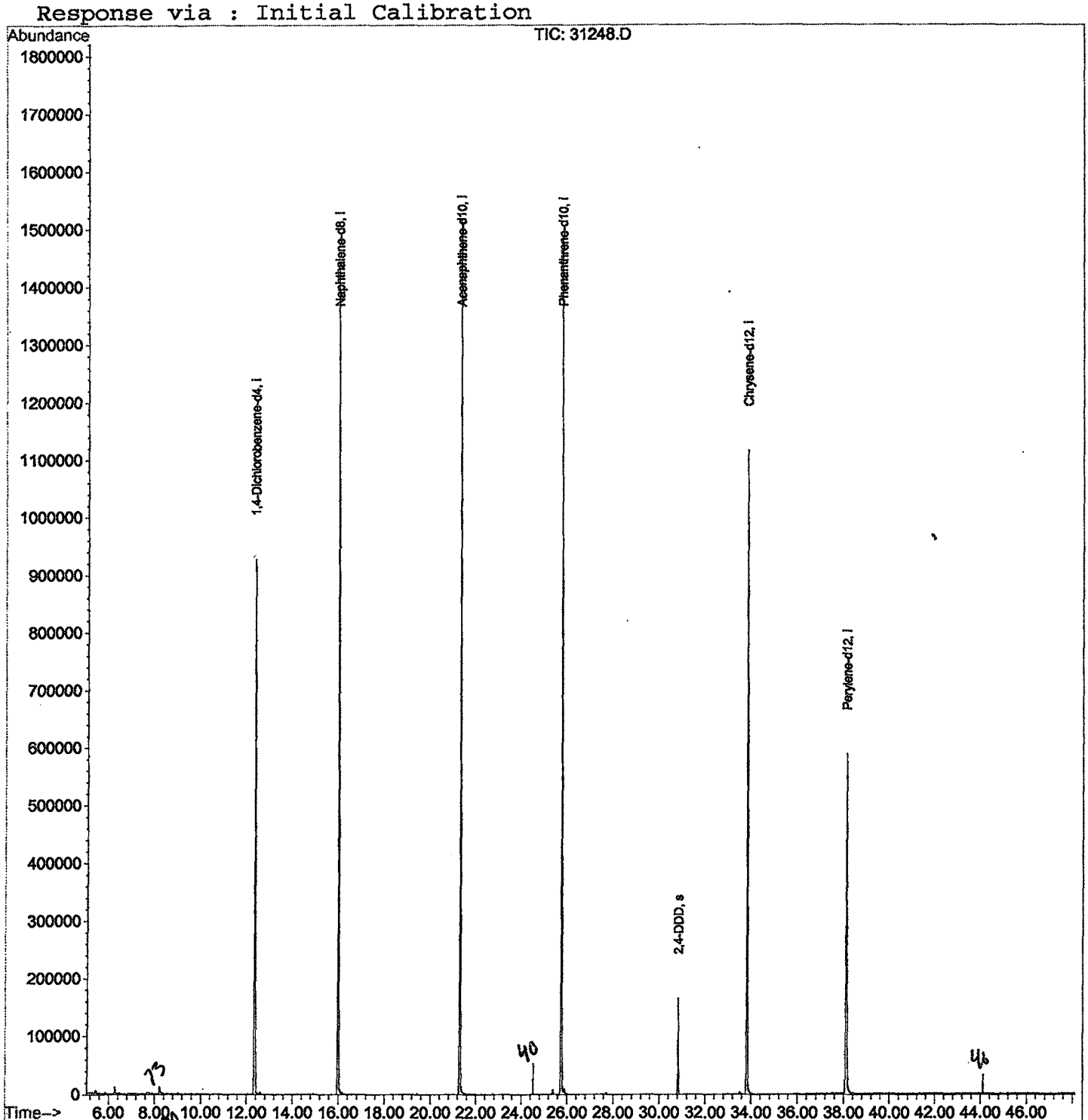
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\FEB1402\31248.D
Acq On : 15 Feb 2002 4:25 am
Sample : GC/MS SCAN 2/11
Misc :
MS Integration Params: GOOFY.P
Quant Time: Feb 15 11:59 2002

Vial: 27
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00
Quant Results File: GCMS0208.RES

Method : C:\HPCHEM\1\METHODS\GCMS0208.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Wed Feb 13 11:43:23 2002
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\FEB1402\31248.D Vial: 27
Acq On : 15 Feb 2002 4:25 am Operator: 209 GALOS
Sample : GC/MS SCAN 2/11 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

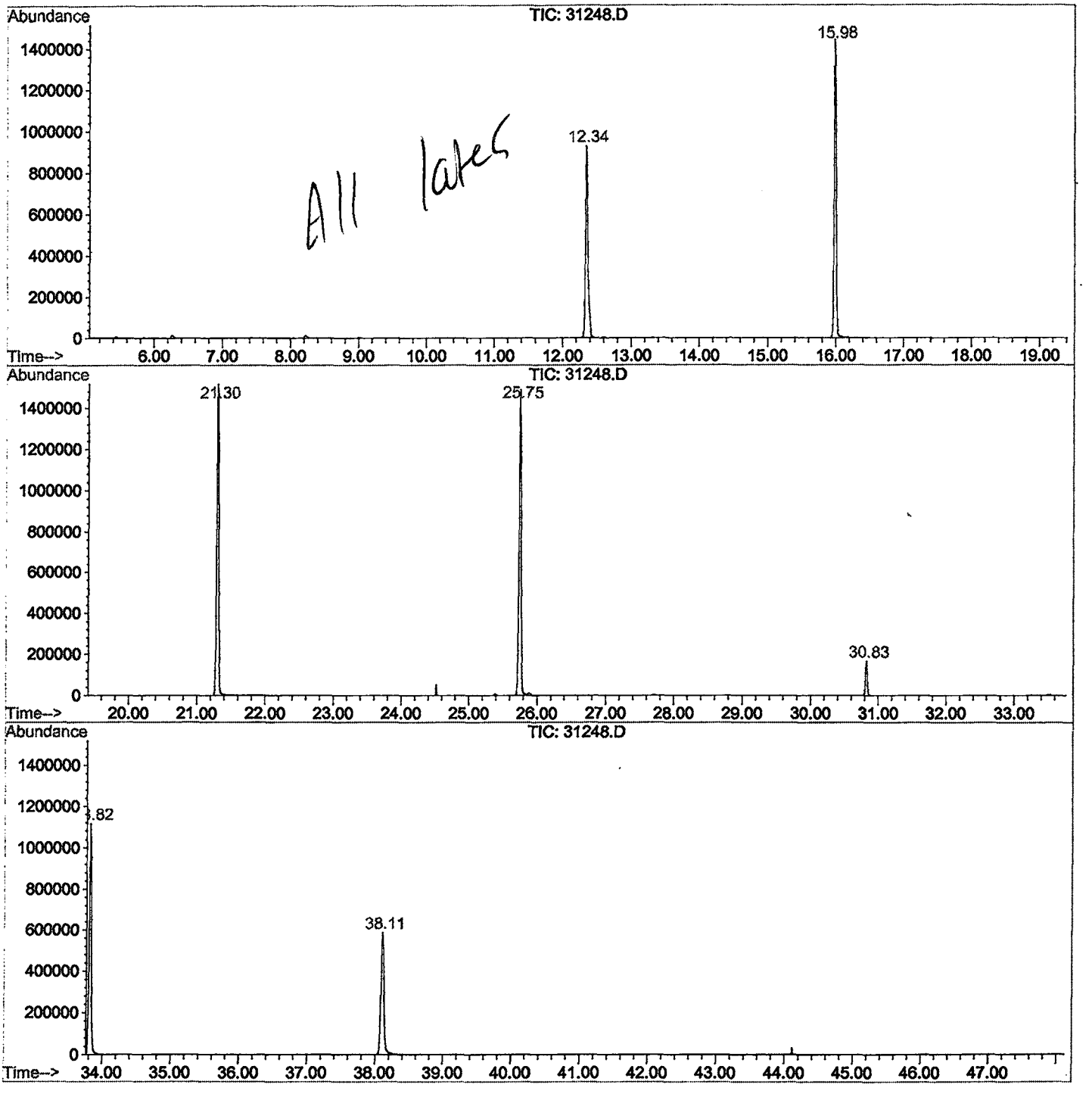
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	12.339	790	795	810	rBV	926326	2302612	72.88%	14.340%
2	15.983	1186	1192	1210	rBV	1442475	2941656	93.11%	18.320%
3	21.298	1765	1771	1791	rBV	1517813	3159440	100.00%	19.676%
4	25.751	2249	2256	2267	rBV2	1488712	3111116	98.47%	19.376%
5	30.828	2804	2809	2814	rBV	165075	302766	9.58%	1.886%
6	33.820	3128	3135	3152	rBV2	1115599	2444713	77.38%	15.225%
7	38.108	3593	3602	3620	rBV2	586196	1794635	56.80%	11.177%

Sum of corrected areas: 16056938

31248.D GCMS0208.M Fri Feb 15 14:02:07 2002

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\FEB1402\31248.D
Operator : 209 GALOS
Acquired : 15 Feb 2002 4:25 am using AcqMethod GCMS0208
Instrument : GC/MS 209
Sample Name: GC/MS SCAN 2/11
Misc Info :
Vial Number: 27
Quant File :GCMS0208.RES (RTE Integrator)



31248.D GCMS0208.M Fri Feb 15 14:02:12 2002

Tentatively Identified Compound (LSC) summary

Operator ID: 209 GALOS Date Acquired: 15 Feb 2002 4:25 am
Data File: C:\HPCHEM\1\DATA\FEB1402\31248.D
Name: GC/MS SCAN 2/11
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

31248.D GCMS0208.M Fri Feb 15 14:02:17 2002