Method 508 MOD Date Extracted 5/23/02 Page 143

Ref #GCMS-18733

Lab #	Description	Sample vol/wt	Drip rate ml/min	Surr add	Spk add	IS add	Final vol.	T.V. pos.	pH	Count		
L.B.		500 mL		1 mL			1 mL	4B	7			
Ref 1					1 mL			3A				
Ref 2					1 mL			4A				
12278								3B				
12279	see 5/31							1A				
12280								5B				
12281								5A				
12282								10A				
12284								10B				
12285	see 5/31							9B				
12286	see 5/31							9A				

Remarks

Reviewed by 8/22/02

drip rate must be between 5-15 ml/min for liq-liq extractors drip rate -

Extraction type - SEP. FUNN. Solv.lot# NaCl lot# 113964 Na2SO4 lot# 146648

STANDARD	INT STD LOG#
CALIBRATION	043002
REF/SPIKE	2297E
MDL/MDRF	
Q. CHECK	
INT. STD.	052802
SURROGATE	2284E (5/22/02)
LPC	
ENDRIN/DDT	

Analyst DH/AD
revision 4/12/01

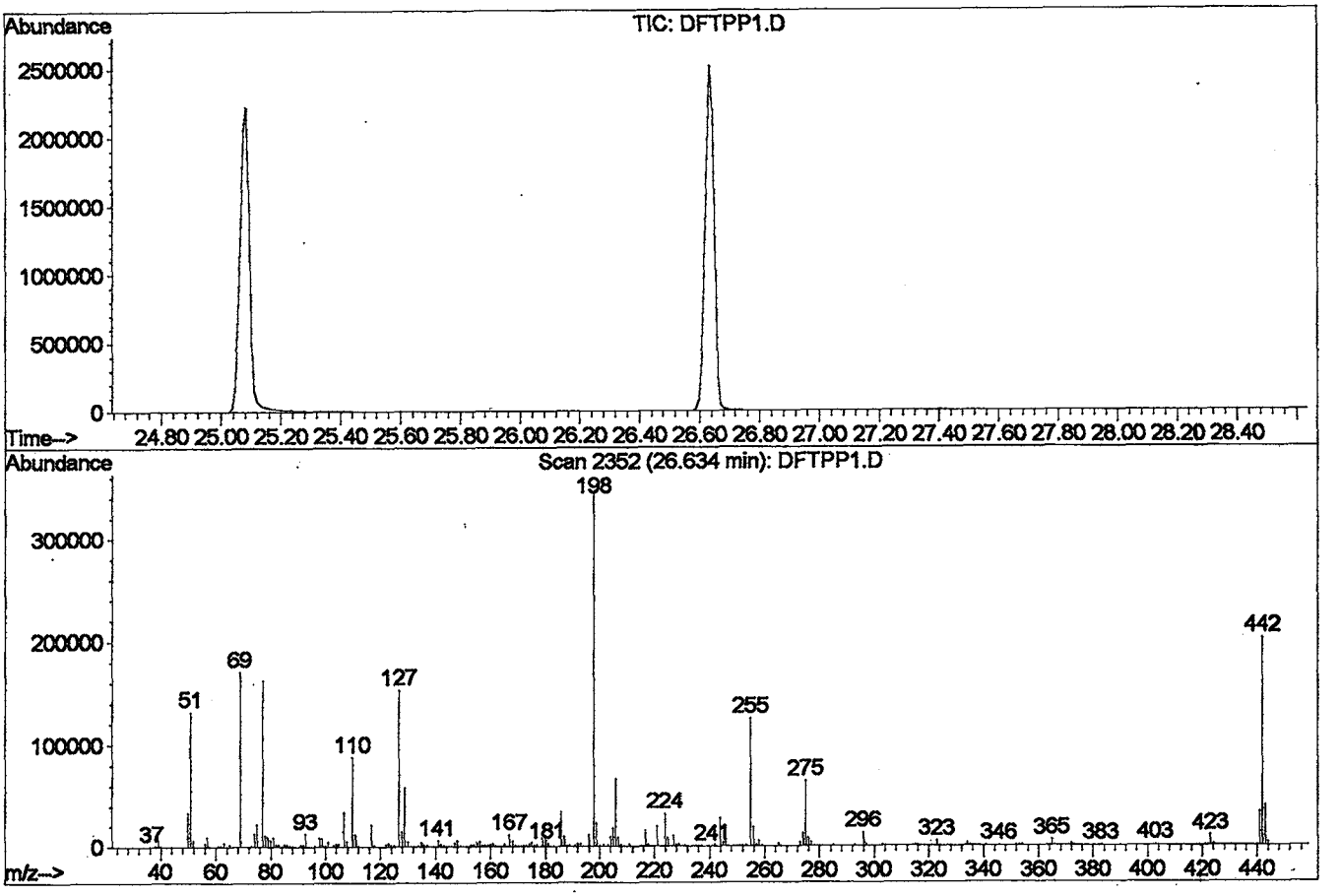
Verified by

Reviewed by
Date 6/3/2

DFTPP

Data File : C:\HPCHEM\1\DATA\MAY2902\DFTPP1.D
Acq On : 29 May 2002 11:19 am
Sample :
Misc :
MS Integration Params: GOOFY.P
Method : C:\HPCHEM\1\METHODS\GCMS0528.M (RTE Integrator)
Title : 209 625/TCLP calibration table

Vial: 1
Operator: Morgan
Inst : 209
Multiplr: 1.00



Spectrum Information: Scan 2352

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	38.2	132160	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	49.5	171392	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	44.4	153664	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	346368	PASS
199	198	5	9	6.8	23448	PASS
275	198	10	30	18.7	64624	PASS
365	198	1	100	1.7	5846	PASS
441	443	0.01	100	83.7	33312	PASS
442	198	40	110	58.4	202368	PASS
443	442	17	23	19.7	39784	PASS

DFTPP1.D GCMS0528.M Thu May 30 09:43:42 2002

User: Galos, Marie
Westchester Dept. of Labs & Research
Date: 05/30/2002 Time: 12:22:34

Sample: AE12278
Analysis: $B1GCMS Blank for GCMS Scan
Units: ug
Started: 5/29/20 00:02 Ended: 5/29/20 00:02 Analyst: MG
Result source: manual entry
Page: 1

	Component Name	Viol	Result	MDL
1	n-Nitrosodimethylamine		< MRL	2.0
2	bis(2-Chloroethyl)ether		< MRL	2.0
3	1,3-Dichlorobenzene		< MRL	2.0
4	1,4-Dichlorobenzene		< MRL	2.0
5	1,2-Dichlorobenzene		< MRL	2.0
6	2,2'-oxybis(1-Chloropropane)		< MRL	2.0
7	n-Nitrosodi-n-propylamine		< MRL	2.0
8	Hexachloroethane		< MRL	2.0
9	Nitrobenzene		< MRL	2.0
10	Isophorone		< MRL	2.0
11	bis(2-Chloroethoxy)methane		< MRL	2.0
12	1,2,4-Trichlorobenzene		< MRL	2.0
13	Naphthalene		< MRL	2.0
14	Hexachlorobutadiene		< MRL	2.0
15	2-Chloronaphthalene		< MRL	2.0
16	Dimethylphthalate		< MRL	2.0
17	2,6-Dinitrotoluene		< MRL	2.0
18	Acenaphthylene		< MRL	2.0
19	Acenaphthene		< MRL	2.0
20	2,4-Dinitrotoluene		< MRL	2.0
21	Diethylphthalate		< MRL	2.0
22	4-Chlorophenylphenylether		< MRL	2.0
23	Fluorene		< MRL	2.0
24	Azobenzene		< MRL	2.0
25	n-Nitrosodiphenylamine		< MRL	2.0
26	4-Bromophenylphenylether		< MRL	2.0
27	Hexachlorobenzene		< MRL	2.0
28	Phenanthrene		< MRL	2.0
29	Anthracene		< MRL	2.0
30	Di-n-butylphthalate		< MRL	2.0
31	Fluoranthene		< MRL	2.0
32	Pyrene		< MRL	2.0
33	Butylbenzylphthalate		< MRL	2.0
34	Benzo(a)anthracene		< MRL	2.0
35	bis(2-Ethylhexyl)phthalate		< MRL	2.0
36	Chrysene		< MRL	2.0
37	Di-n-octylphthalate		< MRL	2.0
38	Benzo(b)fluoranthene		< MRL	2.0
39	Benzo(k)fluoranthene		< MRL	2.0
40	Benzo(a)pyrene		< MRL	2.0
41	Indeno(1,2,3-cd)pyrene		< MRL	2.0
42	Dibenz(a,h)anthracene		< MRL	2.0
43	Benzo(g,h,i)perylene		< MRL	2.0

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\MAY2902\LBA.D Vial: 16
Acq On : 30 May 2002 2:04 am Operator: Morgan
Sample : gc/ms scan 5/23 Inst : 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: May 30 9:45 2002 Quant Results File: GCMS0528.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS0528.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Tue May 28 08:55:48 2002
Response via : Initial Calibration
DataAcq Meth : GCMS0528

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	12.07	152	580859	40.00	ug/l	-0.08
10) Naphthalene-d8	15.69	136	2313883	40.00	ug/l	-0.10
17) Acenaphthene-d10	20.99	164	1096689	40.00	ug/l	-0.10
30) Phenanthrene-d10	25.42	188	1692630	40.00	ug/l	-0.11
38) Chrysene-d12	33.48	240	1004928	40.00	ug/l	-0.13
44) Perylene-d12	37.65	264	644129	40.00	ug/l	-0.15
System Monitoring Compounds						
28) TCMX	23.14	209	244575	32.30	ug/L	-0.09
Spiked Amount 40.000			Recovery = 80.75%			
Target Compounds						Qvalue
2) N-nitrosodimethylamine	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-Nitrosodi-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	15.75	128	197	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	0.00	165	0	N.D.		
25) Diethylphthalate	22.49	149	1053	N.D.		
26) 4-Chlorophenylphenylether	23.13	204	1216	N.D.		
27) Fluorene	0.00	166	0	N.D.		
29) Azobenzene	0.00	77	0	N.D.		
31) N-Nitrosodiphenylamine	23.14	168	901	N.D.		
32) 4-Bromophenylphenylether	0.00	248	0	N.D.		
33) Hexachlorobenzene	0.00	284	0	N.D.		
34) Phenanthrene	25.42	178	672	N.D.		

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\MAY2902\LBA.D Vial: 16
Acq On : 30 May 2002 2:04 am Operator: Morgan
Sample : gc/ms scan 5/23 Inst : 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: May 30 9:45 2002 Quant Results File: GCMS0528.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS0528.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Tue May 28 08:55:48 2002
Response via : Initial Calibration
DataAcq Meth : GCMS0528

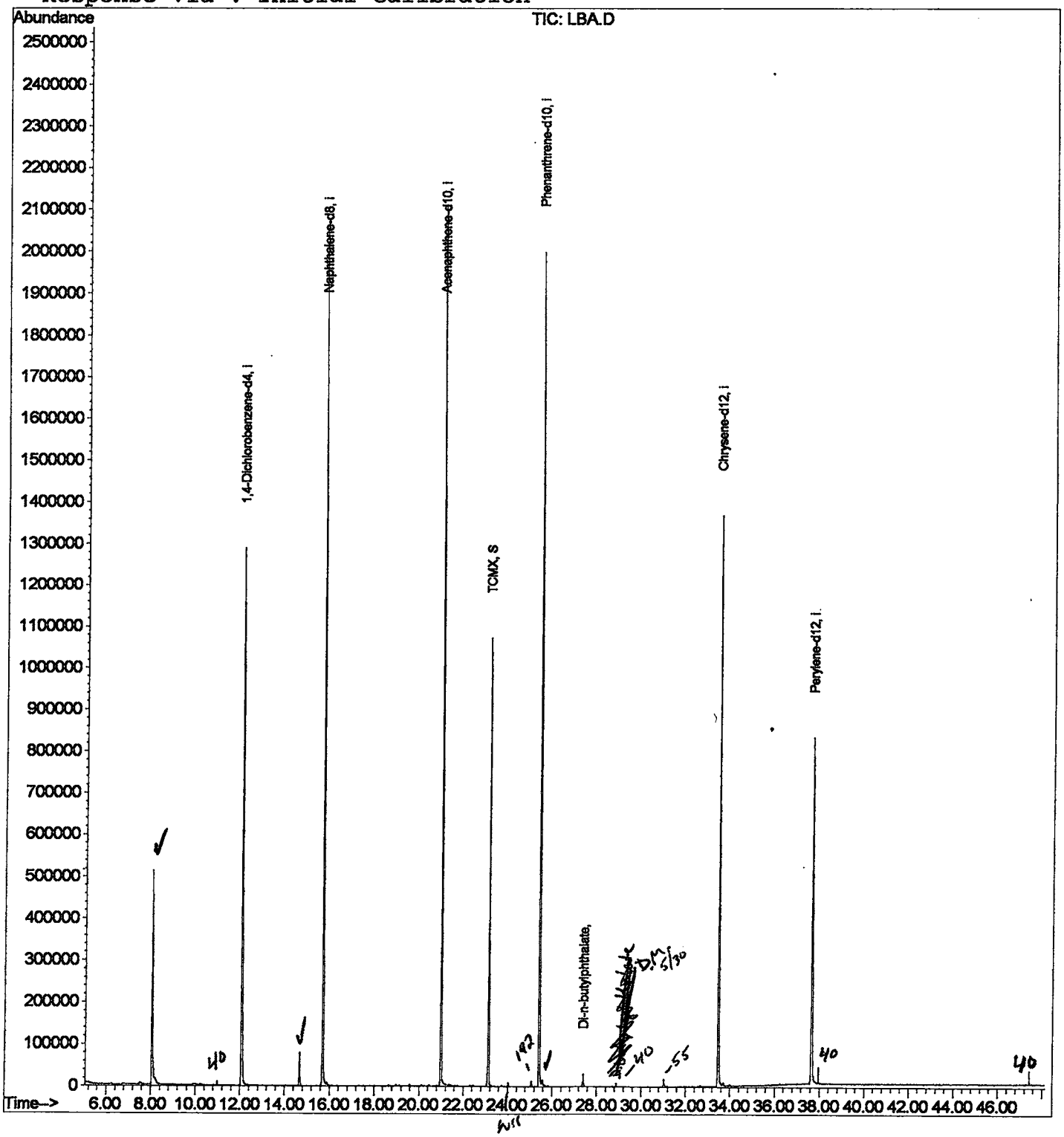
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
35) Anthracene	25.42	178	672	N.D.	
36) Di-n-butylphthalate	27.41	149	35747	0.64 ug/l	99
37) Fluoranthene	0.00	202	0	N.D.	
39) Pyrene	0.00	202	0	N.D.	
40) Butylbenzylphthalate	0.00	149	0	N.D.	
41) Benzo(a)anthracene	33.47	228	2532	N.D.	
42) Bis(2-ethylhexyl)phthalate	33.71	149	3266	N.D.	
43) Chrysene	33.47	228	2532	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	37.66	252	2644	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\MAY2902\LBA.D Vial: 16
Acq On : 30 May 2002 2:04 am Operator: Morgan
Sample : gc/ms scan 5/23 Inst : 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: May 30 9:45 2002 Quant Results File: GCMS0528.RES

Method : C:\HPCHEM\1\METHODS\GCMS0528.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Tue May 28 08:55:48 2002
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\MAY2902\LBA.D Vial: 16
Acq On : 30 May 2002 2:04 am Operator: Morgan
Sample : gc/ms scan 5/23 Inst : 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\GCMS0528.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

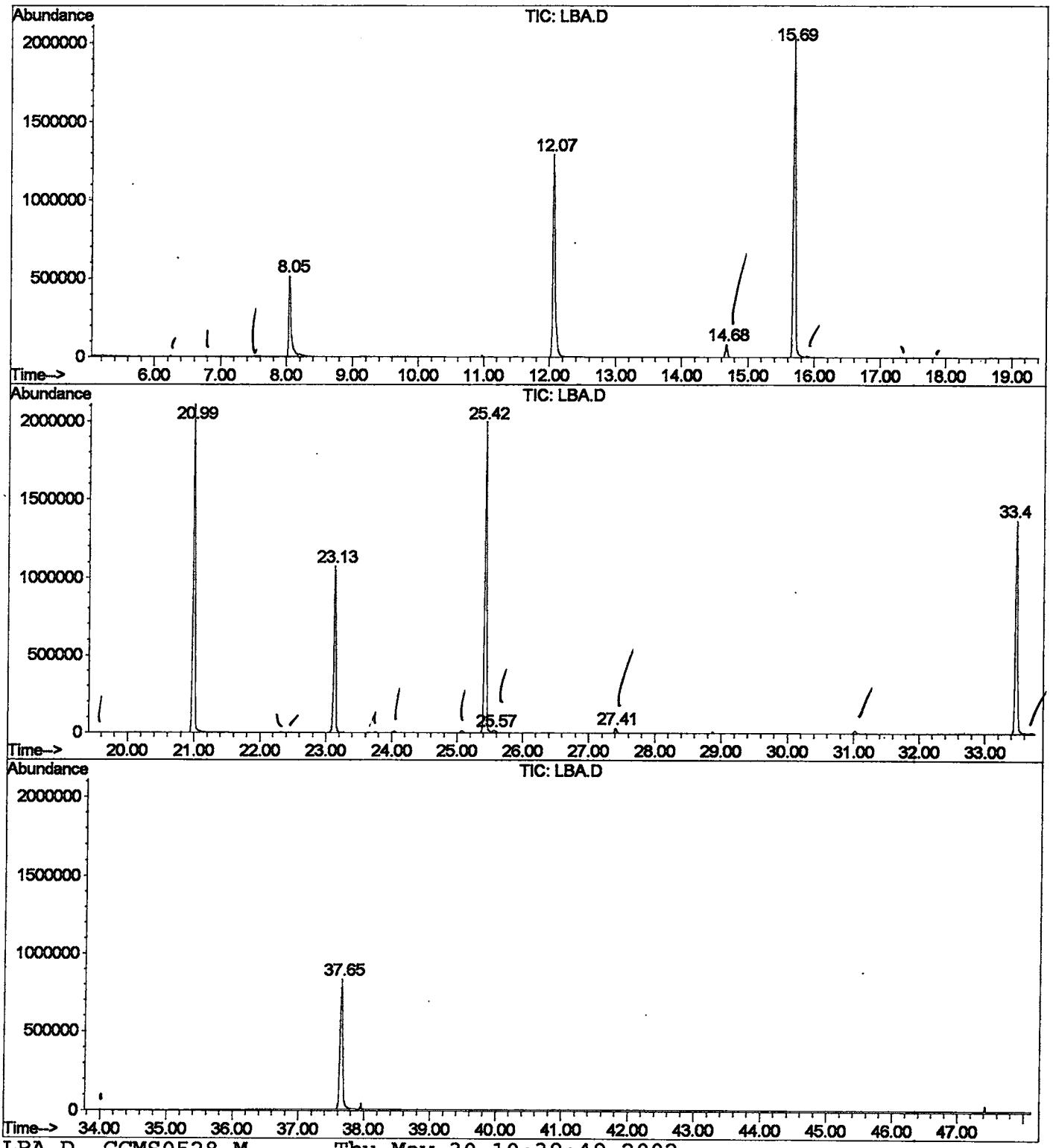
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	8.046	323	327	341	rBV	511010	1185228	27.24%	4.656%
2	12.067	759	765	783	rBV	1288355	3162736	72.68%	12.425%
3	14.684	1044	1050	1059	rBV	80651	170127	3.91%	0.668%
4	15.693	1154	1160	1178	rBV	2041275	4268858	98.10%	16.771%
5	20.990	1730	1737	1752	rBV	2110526	4351587	100.00%	17.096%
6	23.129	1961	1970	1981	rBV	1072547	2297809	52.80%	9.027%
7	25.425	2213	2220	2232	rBV2	1999134	4329297	99.49%	17.008%
8	25.571	2232	2236	2246	rVB	14765	45188	1.04%	0.178%
9	27.407	2430	2436	2442	rBV	29763	60696	1.39%	0.238%
10	33.476	3090	3097	3110	rBV2	1367440	3184415	73.18%	12.511%
11	37.653	3544	3552	3567	rBV2	826233	2397798	55.10%	9.420%

Sum of corrected areas: 25453739

LBA.D GCMS0528.M Thu May 30 10:39:48 2002

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\MAY2902\LBA.D
Operator : Morgan
Acquired : 30 May 2002 2:04 am using AcqMethod GCMS0528
Instrument : 209
Sample Name: gc/ms scan 5/23
Misc Info :
Vial Number: 16
Quant File :GCMS0528.RES (RTE Integrator)



LBA.D GCMS0528.M Thu May 30 10:39:49 2002

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\MAY2902\LBA.D
Acq On : 30 May 2002 2:04 am
Sample : gc/ms scan 5/23
Misc :
MS Integration Params: LSCINT.P

Vial: 16
Operator: Morgan
Inst : 209
Multiplr: 1.00

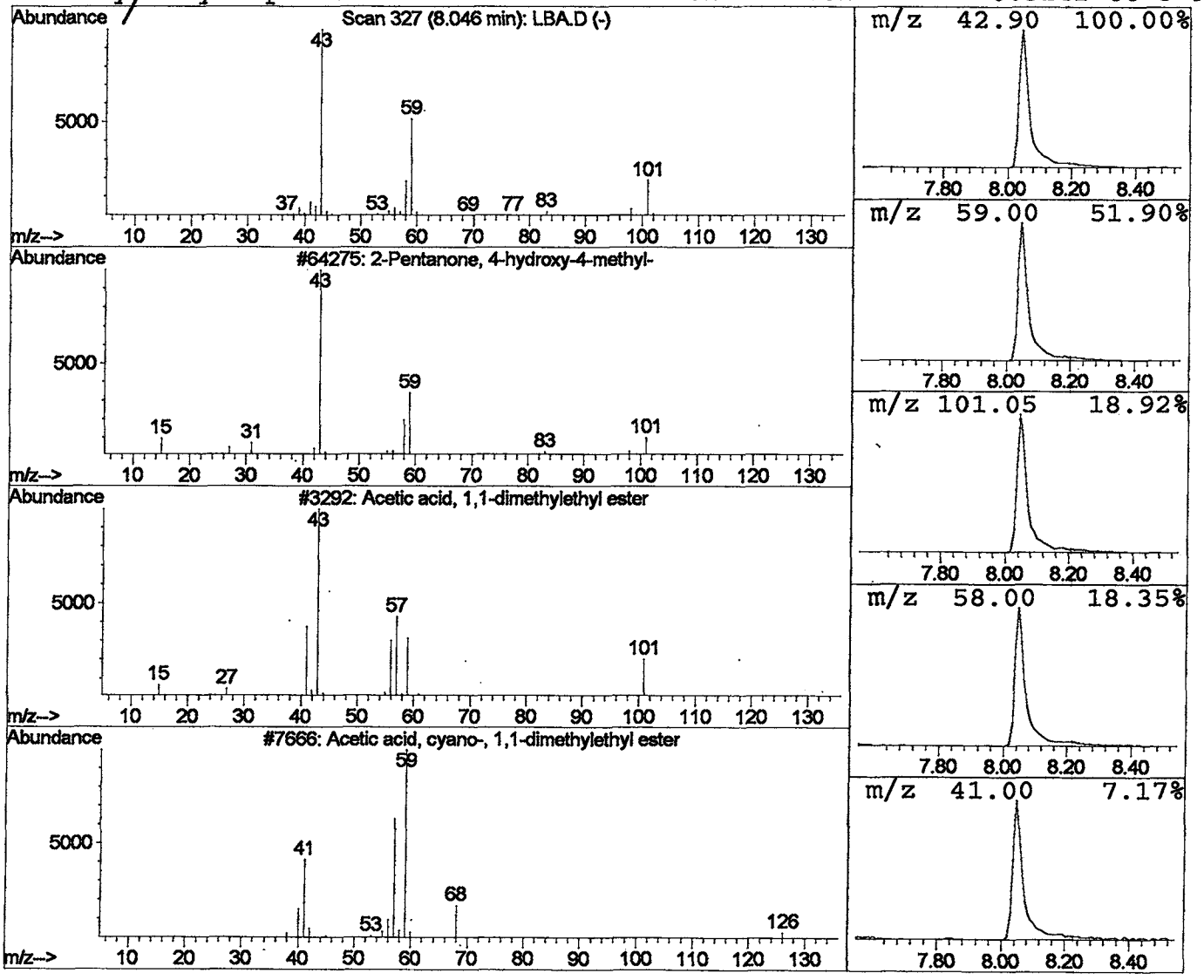
Quant Method : C:\HPCHEM\1\METHODS\GCMS0528.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 2-Pentanone, 4-hydroxy-4-methy Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.05	14.99 ug/l	1185230	1,4-Dichlorobenzene-d4	12.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	53
2	Acetic acid, 1,1-dimethylethyl este	116	C6H12O2	000540-88-5	28
3	Acetic acid, cyano-, 1,1-dimethylet	141	C7H11NO2	001116-98-9	23
4	3-Hydroxy-2-pentanone	102	C5H10O2	003142-66-3	9



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\MAY2902\LBA.D
Acq On : 30 May 2002 2:04 am
Sample : gc/ms scan 5/23
Misc :
MS Integration Params: LSCINT.P

Vial: 16
Operator: Morgan
Inst : 209
Multiplr: 1.00

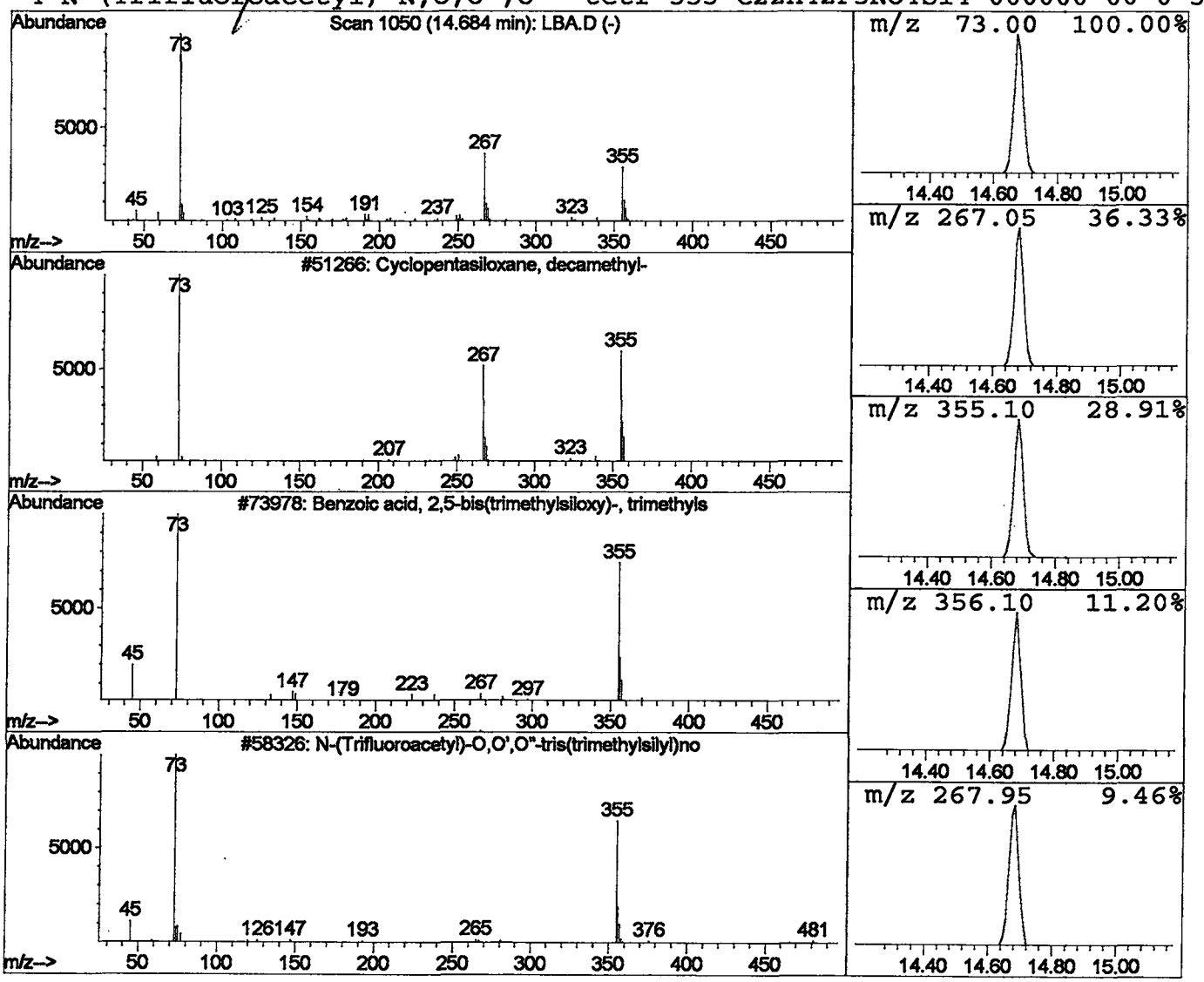
Quant Method : C:\HPCHEM\1\METHODS\GCMS0528.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 2 Cyclopentasiloxane, decamethyl Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.68	1.59 ug/l	170127	Naphthalene-d8	15.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentasiloxane, decamethyl-	370	C10H30O5Si5	000541-02-6	80
2	Benzoic acid, 2,5-bis(trimethylsilo	370	C16H30O4Si3	003618-20-0	43
3	N-(Trifluoroacetyl)-O,O',O''-tris(t	481	C19H34F3NO4Si3	000000-00-0	37
4	N-(Trifluoroacetyl)-N,O,O',O''-tetr	553	C22H42F3NO4Si4	000000-00-0	35



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\MAY2902\LBA.D
Acq On : 30 May 2002 2:04 am
Sample : gc/ms scan 5/23
Misc :
MS Integration Params: LSCINT.P

Vial: 16
Operator: Morgan
Inst : 209
Multiplr: 1.00

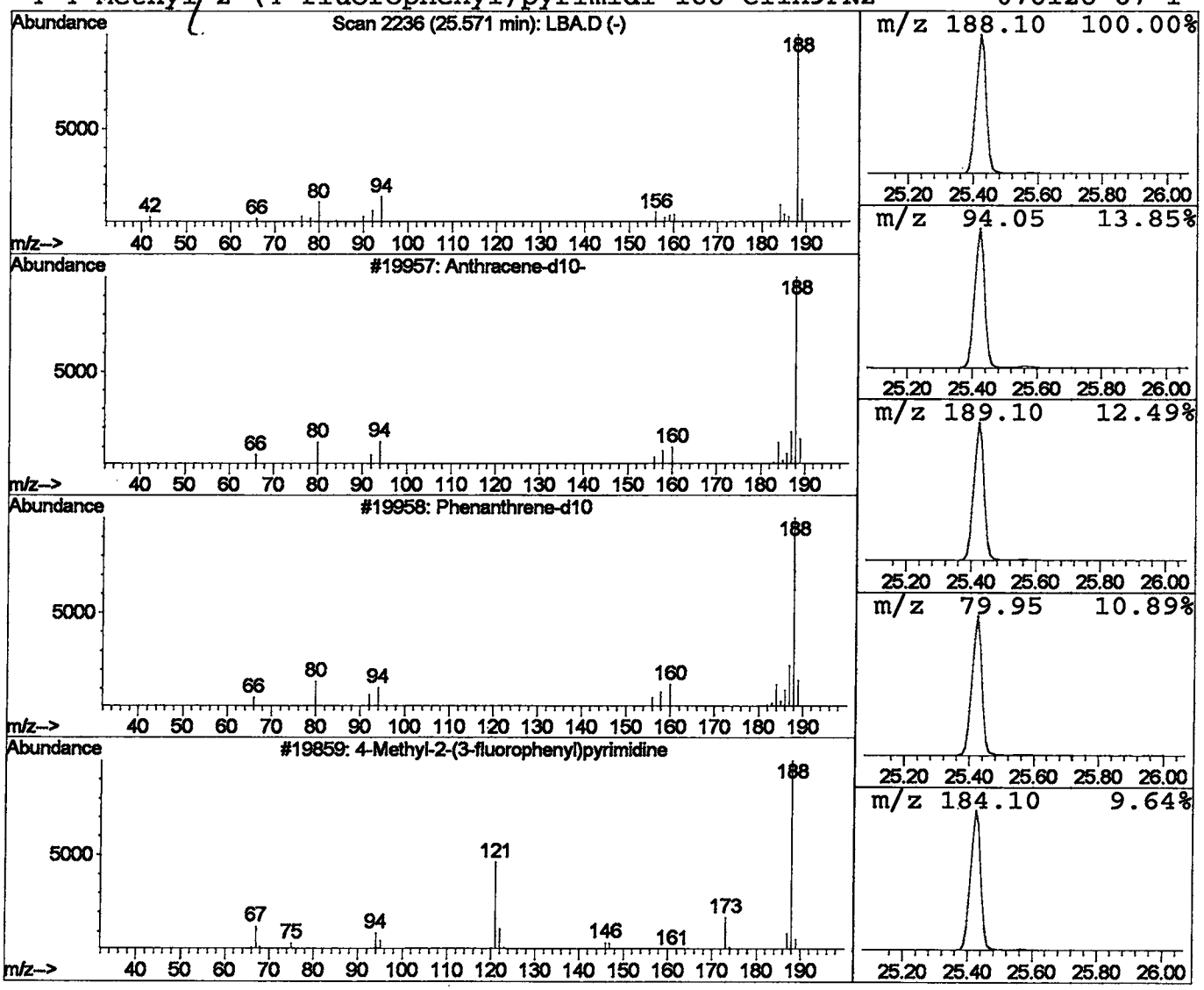
Quant Method : C:\HPCHEM\1\METHODS\GCMS0528.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 3 Anthracene-d10- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.57	0.42 ug/l	45188	Phenanthrene-d10	25.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene-d10-	188	C14D10	001719-06-8	78
2	Phenanthrene-d10	188	C14D10	001517-22-2	78
3	4-Methyl-2-(3-fluorophenyl)pyrimidi	188	C11H9FN2	076128-66-0	42
4	4-Methyl-2-(4-fluorophenyl)pyrimidi	188	C11H9FN2	076128-67-1	42



Tentatively Identified Compound (LSC) summary

Operator ID: Morgan Date Acquired: 30 May 2002 2:04 am
Data File: C:\HPCHEM\1\DATA\MAY2902\LBA.D
Name: gc/ms scan 5/23
Misc:
Method: C:\HPCHEM\1\METHODS\GCMS0528.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
2-Pentanone, 4-hydro	8.05	15.0	ug/l	1185230	ISTD01	12.07	3162740	40.0
Cyclopentasiloxane,	14.68	1.6	ug/l	170127	ISTD02	15.69	4268860	40.0
Anthracene-d10-	25.57	0.4	ug/l	45188	ISTD04	25.42	4329300	40.0

LBA.D GCMS0528.M Thu May 30 10:39:52 2002