ser: Vinci, David L
/estchester Dept. of Labs & Research
ate: 03/07/2002 Time: 17:02:20

ample: AE02600
nalysis: $GCMS GCMS Scan For Unknowns
nits: ug
tarted: 3/7/02 17:00 Ended: 3/7/02 17:00 Analyst: DLV
'age: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Other unknown compounds				
2	Surr_2,4-DDD		127		5.0

Comments for Sample AE02600 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 03-07-2002 Time: 17:02:25

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds. The recoveries for 2 of the 43 compounds in the LCS Standard were below their acceptance ranges.

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\MAR0102\2600.D Vial: 10
Acq On : 1 Mar 2002 5:13 pm Operator:
Sample : gc/ms scan 2/5 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Mar 4 11:25 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 27 11:30:15 2002
Response via : Initial Calibration
DataAcq Meth : GCMS0208

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	12.32	152	289982	20.00	ug/l	-0.04
10) Naphthalene-d8	15.95	136	1124331	20.00	ug/l	-0.05
17) Acenaphthene-d10	21.27	164	599258	20.00	ug/l	-0.05
29) Phenanthrene-d10	25.71	188	864143	20.00	ug/l	-0.05
38) Chrysene-d12	33.78	240	606094	20.00	ug/l	-0.06
44) Perylene-d12	38.05	264	412401	20.00	ug/l	-0.07
System Monitoring Compounds						
37) 2,4-DDD	30.80	235	57332	6.35	ug/mL	0.30
Spiked Amount 5.000			Recovery = 127.00%			
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	0.00	128	0	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	22.75	149	237	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)

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Acq On : 1 Mar 2002 5:13 pm Operator:
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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	0.00	178	0	N.D.	
34)	Anthracene	25.72	178	107	N.D.	
35)	Di-n-butylphthalate	27.69	149	11311	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	33.78	228	1250	N.D.	
42)	Bis(2-ethylhexyl)phthalate	33.99	149	2145	N.D.	
43)	Chrysene	33.78	228	1250	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	38.06	252	1675	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

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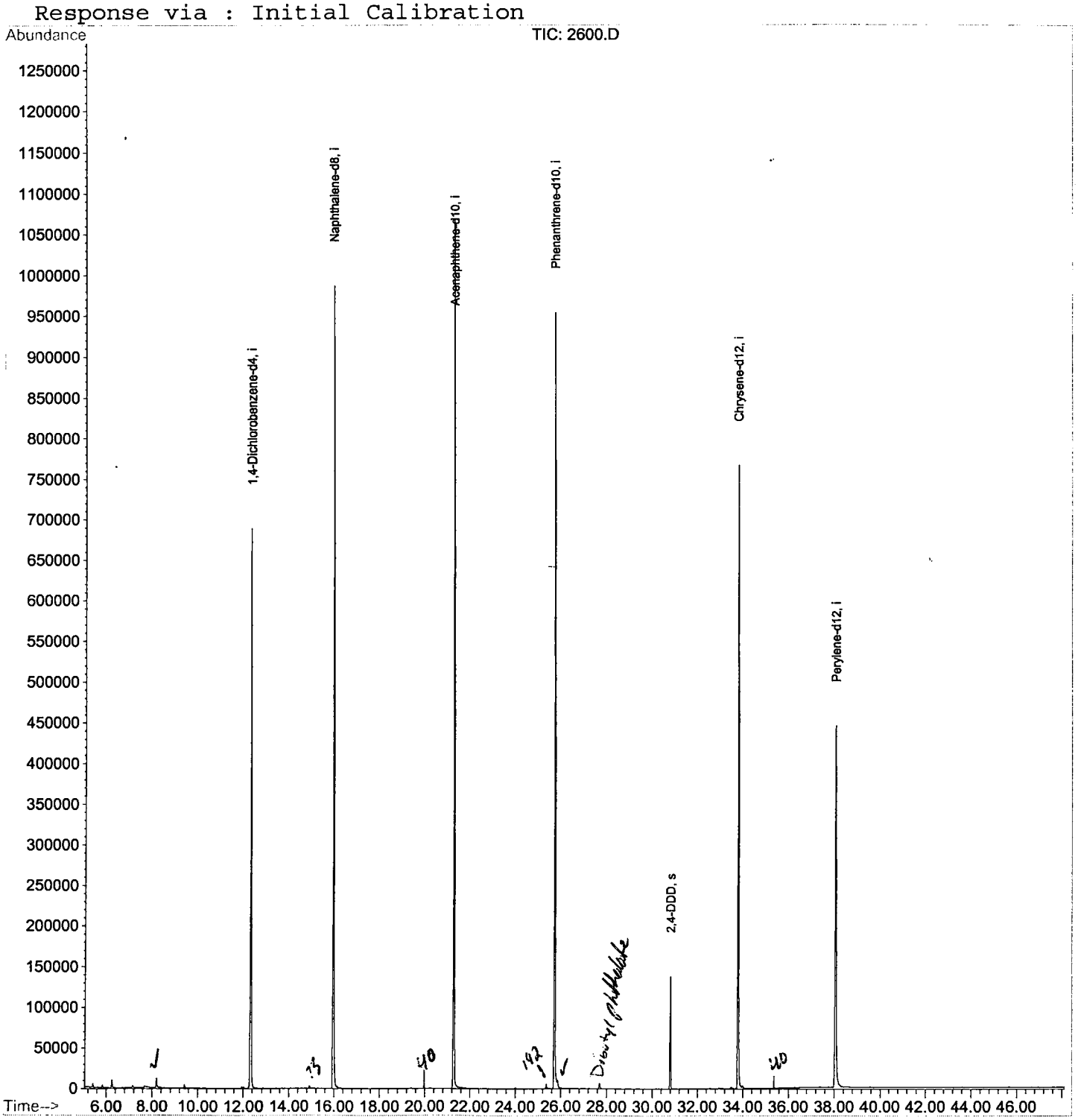
Acq On : 1 Mar 2002 5:13 pm Operator:
Sample : gc/ms scan 2/5 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Mar 4 11:25 2002 Quant Results File: GCMS0208.RES

Method : C:\HPCHEM\1\METHODS\GCMS0208.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Wed Feb 27 11:30:15 2002
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\MAR0102\2600.D Vial: 10
Acq On : 1 Mar 2002 5:13 pm Operator:
Sample : gc/ms scan 2/5 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

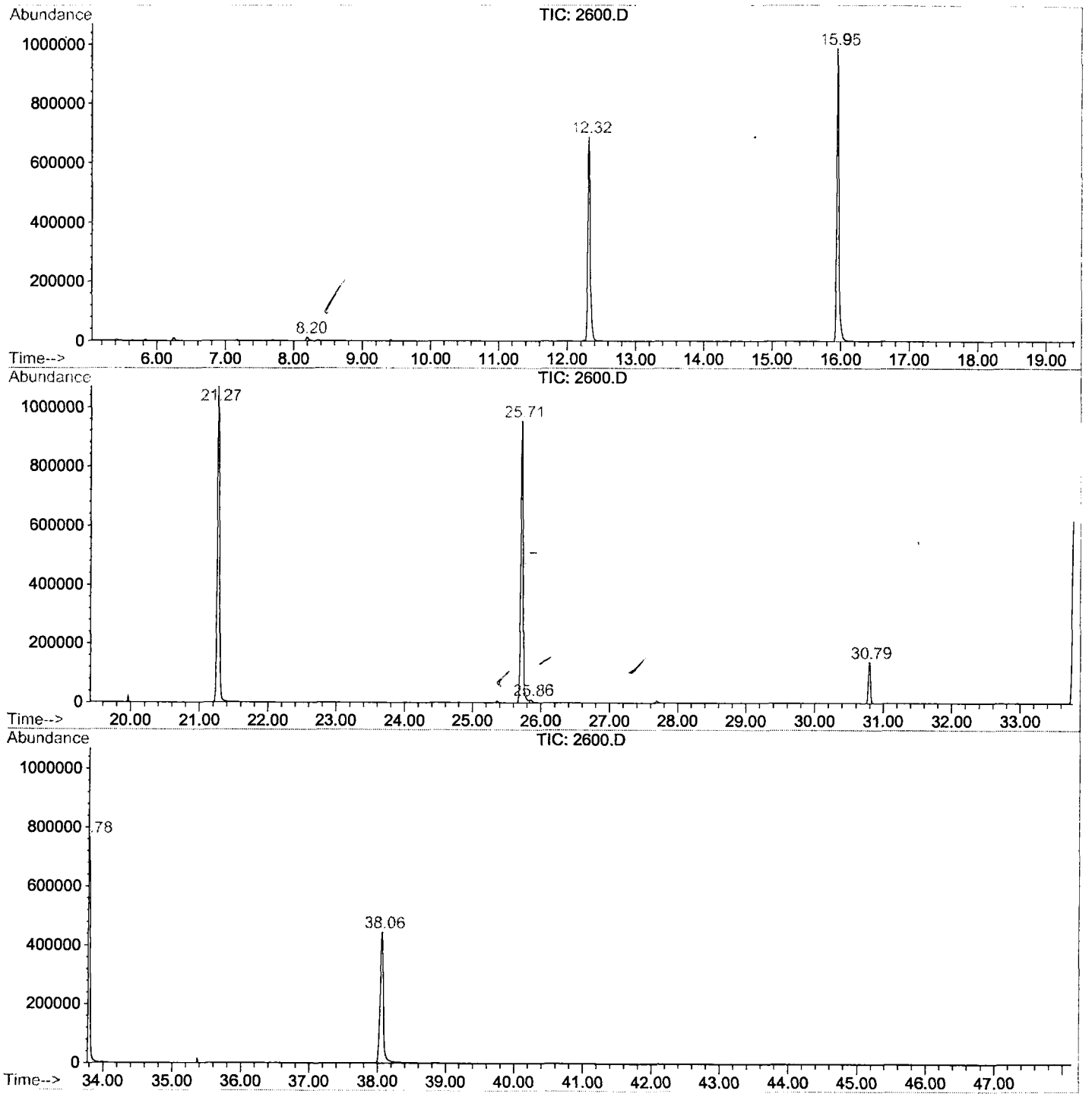
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	8.195	339	343	353	rBV	11840	28318	1.20%	0.235%
2	12.317	786	792	810	rVB	688194	1638118	69.16%	13.570%
3	15.953	1182	1188	1207	rBV	986744	2176413	91.88%	18.029%
4	21.268	1761	1767	1789	rBV	1068926	2368628	100.00%	19.621%
5	25.711	2245	2251	2264	rBV2	954185	2268122	95.76%	18.788%
6	25.858	2264	2267	2283	rVB	10146	31861	1.35%	0.264%
7	30.788	2799	2804	2813	rBV	138221	294057	12.41%	2.436%
8	33.781	3123	3130	3148	rBV2	766911	1821639	76.91%	15.090%
9	38.059	3587	3596	3614	rBV2	444497	1444788	61.00%	11.968%

Sum of corrected areas: 12071944

2600.D GCMS0208.M Mon Mar 04 11:44:08 2002

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\MAR0102\2600.D
Operator :
Acquired : 1 Mar 2002 5:13 pm using AcqMethod GCMS0208
Instrument : GC/MS 209
Sample Name: gc/ms scan 2/5
Misc Info :
Vial Number: 10
Quant File :GCMS0208.RES (RTE Integrator)



2600.D GCMS0208.M Mon Mar 04 11:44:14 2002

Data File : C:\HPCHEM\1\DATA\MAR0102\2600.D Vial: 10
Acq On : 1 Mar 2002 5:13 pm Operator:
Sample : gc/ms scan 2/5 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

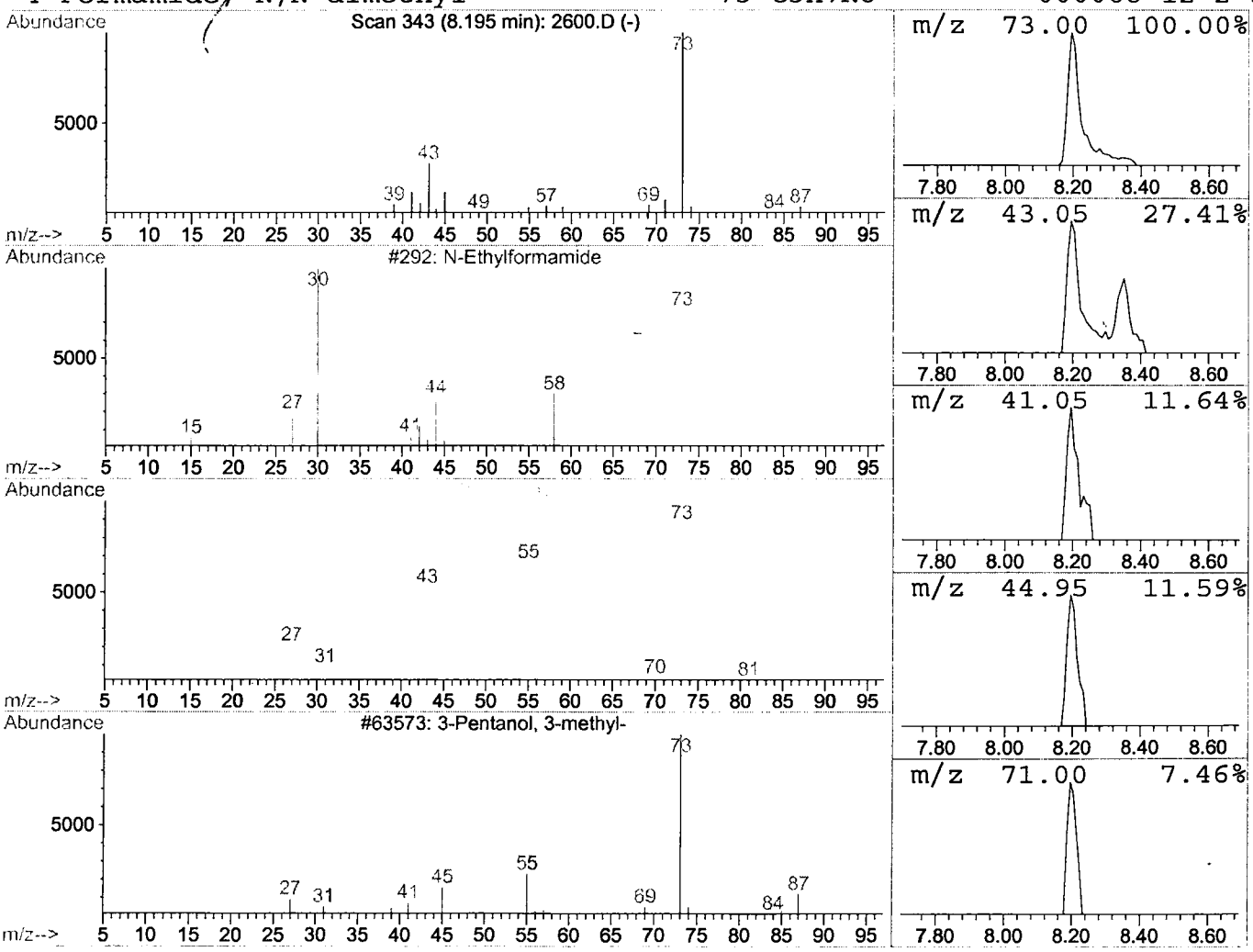
Quant Method : C:\HPCHEM\1\METHODS\GCMS0208.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 N-Ethylformamide Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.20	0.35 ug/l	28318	1,4-Dichlorobenzene-d4	12.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	N-Ethylformamide	73	C3H7NO	000627-45-2	9
2	2-Methyl-5-hexen-3-ol	114	C7H14O	032815-70-6	9
3	3-Pentanol, 3-methyl-	102	C6H14O	000077-74-7	9
4	Formamide, N,N-dimethyl-	73	C3H7NO	000068-12-2	5



Data File : C:\HPCHEM\1\DATA\MAR0102\2600.D Vial: 10
Acq On : 1 Mar 2002 5:13 pm Operator:
Sample : gc/ms scan 2/5 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

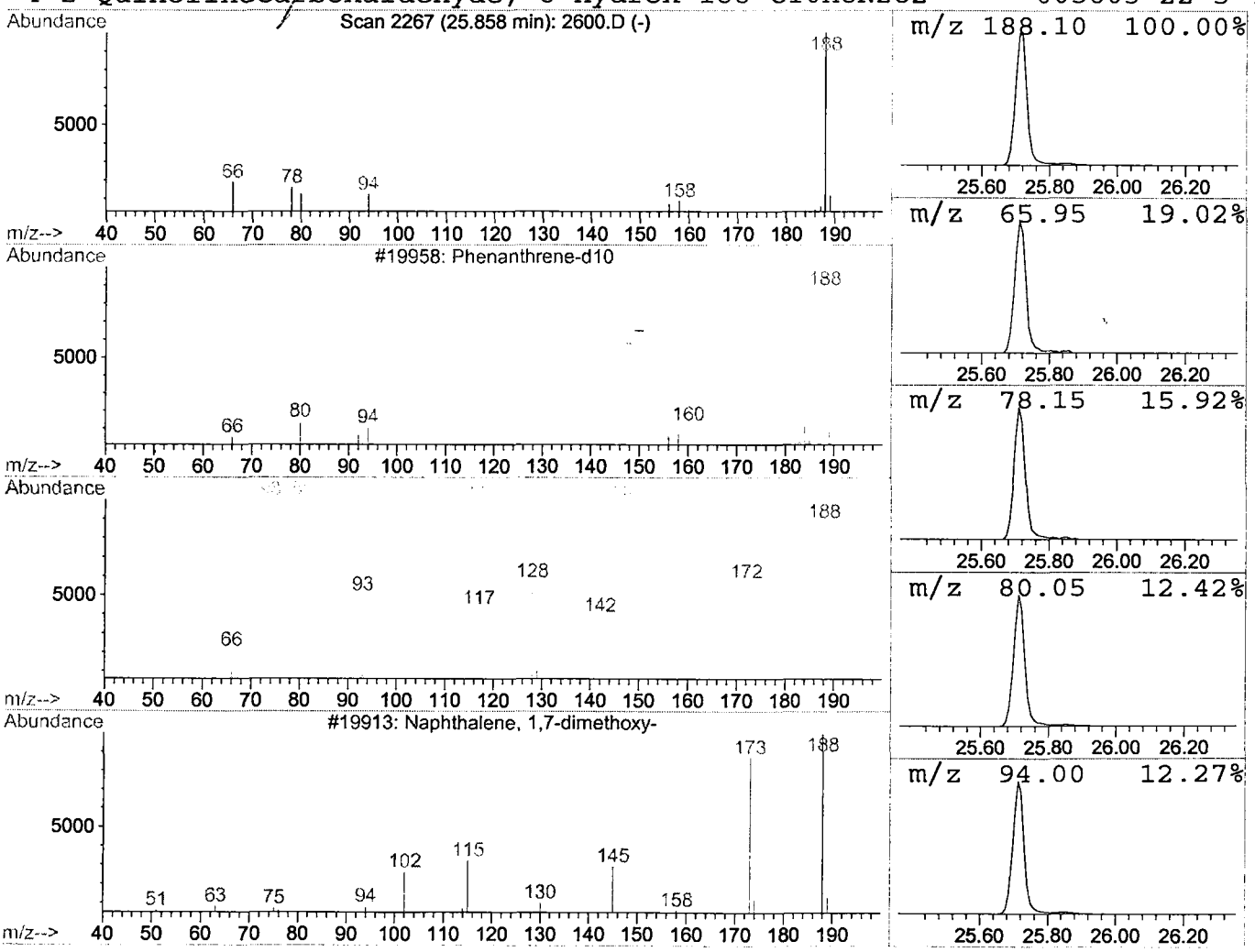
Quant Method : C:\HPCHEM\1\METHODS\GCMS0208.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 2 Phenanthrene-d10 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.86	0.28 ug/l	31861	Phenanthrene-d10	25.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene-d10	188	C14D10	001517-22-2	72
2	3-Quinolinecarbonitrile, 1,2,3,4-te	188	C10H8N2O2	022384-05-0	59
3	Naphthalene, 1,7-dimethoxy-	188	C12H12O2	005309-18-2	45
4	2-Quinolinecarboxaldehyde, 8-hydrox	188	C10H8N2O2	005603-22-5	40



Tentatively Identified Compound (LSC) summary

Operator ID: Date Acquired: 1 Mar 2002 5:13 pm
Data File: C:\HPCHEM\1\DATA\MAR0102\2600.D
Name: gc/ms scan 2/5
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
N-Ethylformamide	8.20	0.3	ug/l	28318	ISTD01	12.32	1638120	20.0
Phenanthrene-d10	25.86	0.3	ug/l	31861	ISTD04	25.71	2268120	20.0

2600.D GCMS0208.M Mon Mar 04 11:44:28 2002