Comments for Sample AE12162 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 06-06-2002 Time: 14:36:28

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds. The recoveries for 4 of the 43 compounds in the LCS Standard were low. This sample will be reextracted and reanalyzed because of the low Surrogate Standard recovery. Reanalysis yielded a Surrogate Standard recovery of 83%. And a LCS with no failures.

User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 06/06/2002 Time: 14:36:58

Sample: AE12162
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 6/5/02 08:45 Ended: 6/5/02 08:45 Analyst: DLV
Result source: manual entry
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Sur, 2,4-DDD	LSPEC	45		10.0

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\MAY3102\12162.D Vial: 16
Acq On : 1 Jun 2002 2:45 am Operator: Morgan
Sample : re-ext Inst : 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Jun 3 11:35 2002 Quant Results File: GCMS0531.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS0531.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Fri May 31 09:43:55 2002
Response via : Initial Calibration
DataAcq Meth : GCMS0531

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	12.07	152	476923	40.00	ug/l	-0.01
10) Naphthalene-d8	15.69	136	1913568	40.00	ug/l	-0.02
17) Acenaphthene-d10	20.99	164	915275	40.00	ug/l	-0.01
30) Phenanthrene-d10	25.42	188	1445940	40.00	ug/l	-0.01
38) Chrysene-d12	33.48	240	921896	40.00	ug/l	-0.03
44) Perylene-d12	37.65	264	614236	40.00	ug/l	-0.03
System Monitoring Compounds						
28) TCMX	23.13	209	209287	33.05	ug/L	-0.02
Spiked Amount 40.000			Recovery = 82.63%			
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	12.10	146	370	N.D.		
5) 1,4-Dichlorobenzene	12.10	146	370	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	15.76	128	516	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	500	N.D.		
26) 4-Chlorophenylphenylether	23.13	204	1366	N.D.		
27) Fluorene	0.00	166	0	N.D.		
29) Azobenzene	0.00	77	0	N.D.		
31) N-Nitrosodiphenylamine	23.13	168	493	N.D.		
32) 4-Bromophenylphenylether	0.00	248	0	N.D.		
33) Hexachlorobenzene	0.00	284	0	N.D.		
34) Phenanthrene	25.49	178	305	N.D.		

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

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Misc : Multiplr: 1.00
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DataAcq Meth : GCMS0531

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
35)	Anthracene	25.49	178	305	N.D.	
36)	Di-n-butylphthalate	27.41	149	26972	0.52 ug/l	99
37)	Fluoranthene	0.00	202	0	N.D.	
39)	Pyrene	0.00	202	0	N.D.	
40)	Butylbenzylphthalate	31.92	149	563	N.D.	
41)	Benzo(a)anthracene	33.48	228	3438	N.D.	
42)	Bis(2-ethylhexyl)phthalate	33.71	149	7594	0.27 ug/l	95
43)	Chrysene	33.55	228	1182	N.D.	
45)	Di-n-Octylphthalate	35.44	149	559	N.D.	
46)	Benzo(b)fluoranthene	36.52	252	1379	N.D.	
47)	Benzo(k)fluoranthene	36.59	252	1228	N.D.	
48)	Benzo(a)pyrene	37.47	252	610	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

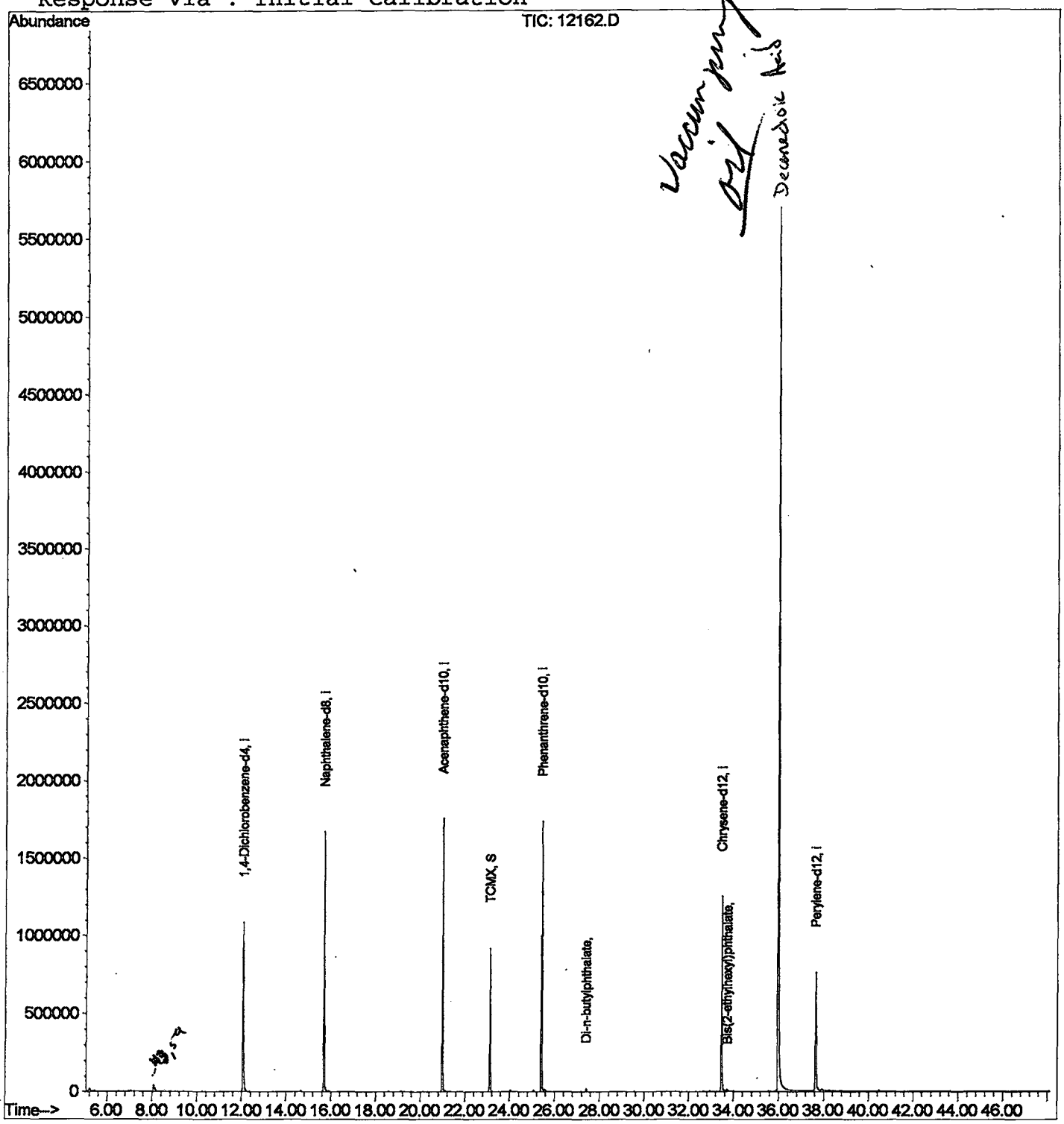
Quantitation Report

Data File : C:\HPCHEM\1\DATA\MAY3102\12162.D
Acq On : 1 Jun 2002 2:45 am
Sample : re-ext
Misc :
MS Integration Params: GOOFY.P
Quant Time: Jun 3 11:35 2002

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

Quant Results File: GCMS0531.RES

Method : C:\HPCHEM\1\METHODS\GCMS0531.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Fri May 31 09:43:55 2002
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\MAY3102\12162.D Vial: 16
Acq On : 1 Jun 2002 2:45 am Operator: Morgan
Sample : re-ext Inst : 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\GCMS0531.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

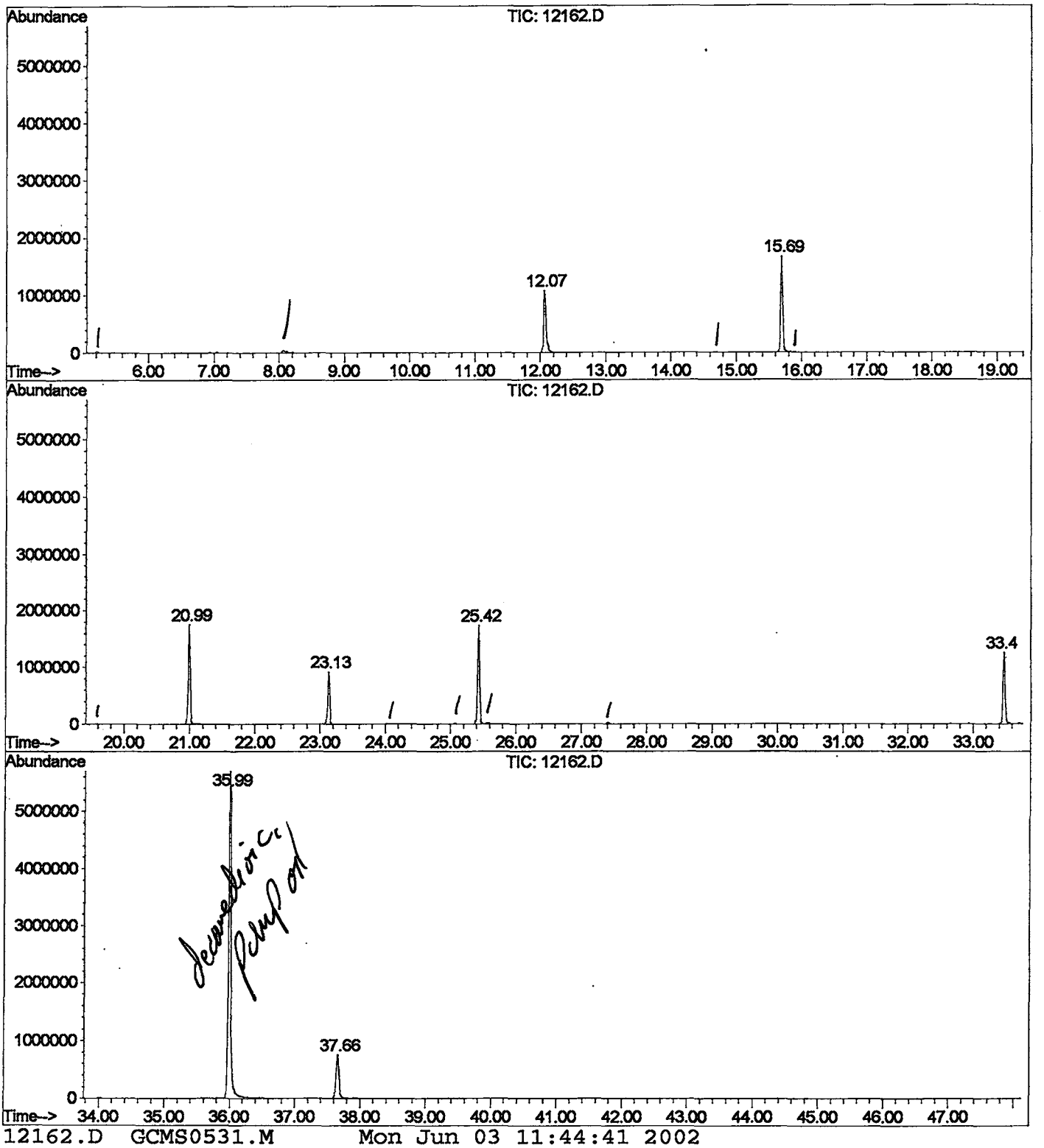
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	12.067	759	765	790	rBV	1086571	2607877	17.69%	7.380%
2	15.693	1154	1160	1178	rBV	1671764	3525071	23.92%	9.976%
3	20.990	1730	1737	1754	rBV	1758475	3639804	24.70%	10.301%
4	23.129	1961	1970	1978	rBV	922538	1958143	13.29%	5.542%
5	25.424	2213	2220	2231	rBV2	1740550	3703152	25.13%	10.480%
6	33.475	3090	3097	3111	rBV2	1252577	2895921	19.65%	8.196%
7	35.991	3362	3371	3413	rBV	5696545	14738073	100.00%	41.710%
8	37.662	3544	3553	3565	rBV2	757101	2266773	15.38%	6.415%

Sum of corrected areas: 35334814

12162.D GCMS0531.M Mon Jun 03 11:44:40 2002

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\MAY3102\12162.D
Operator : Morgan
Acquired : 1 Jun 2002 2:45 am using AcqMethod GCMS0531
Instrument : 209
Sample Name: re-ext
Misc Info :
Vial Number: 16
Quant File :GCMS0531.RES (RTE Integrator)



12162.D GCMS0531.M Mon Jun 03 11:44:41 2002

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\MAY3102\12162.D
Acq On : 1 Jun 2002 2:45 am
Sample : re-ext
Misc :
MS Integration Params: LSCINT.P

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

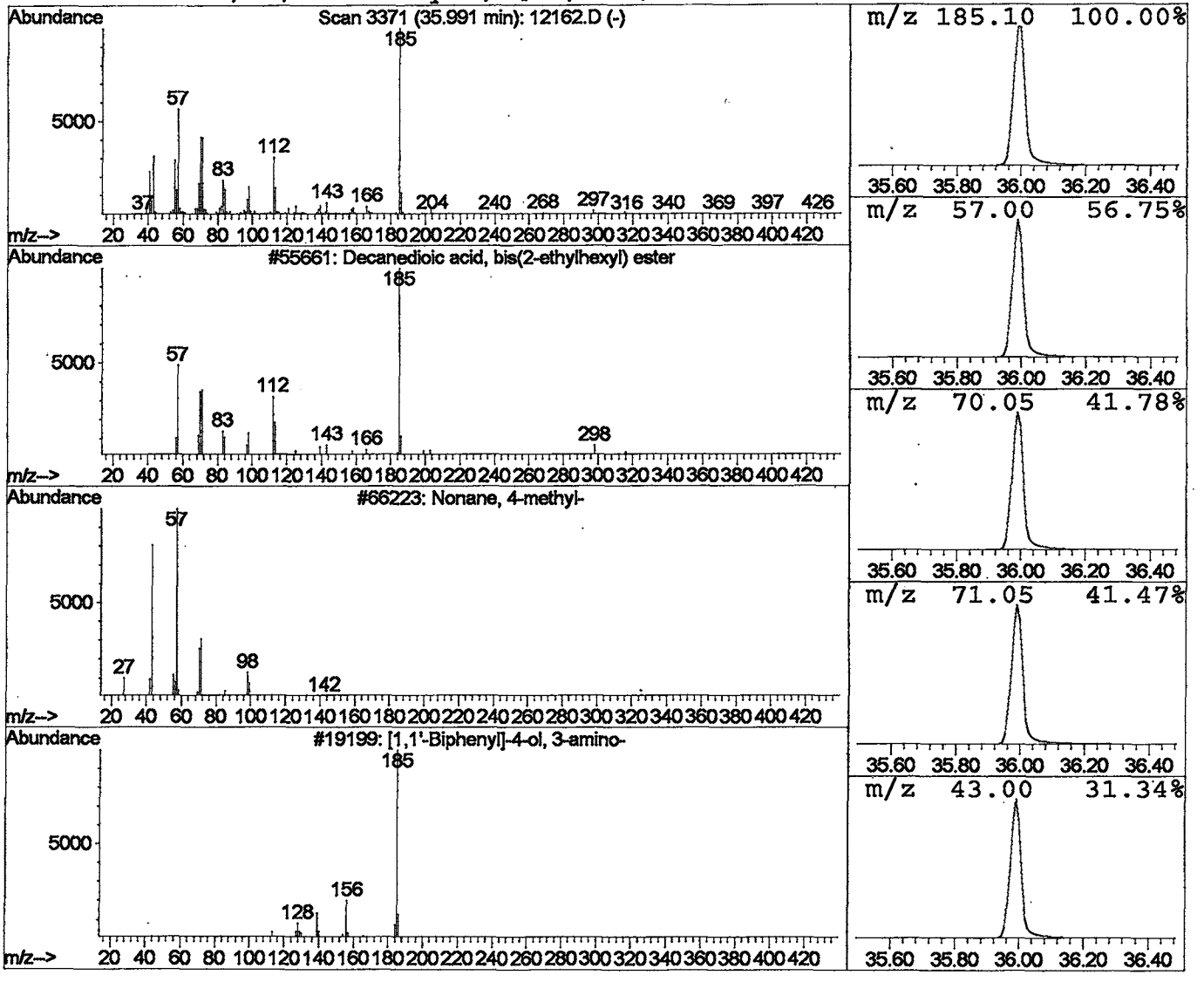
Quant Method : C:\HPCHEM\1\METHODS\GCMS0531.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 Decanedioic acid, bis(2-ethylh Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
35.99	260.07 ug/l	14738100	Perylene-d12	37.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decanedioic acid, bis(2-ethylhexyl)	426	C26H50O4	000122-62-3	87
2	Nonane, 4-methyl-	142	C10H22	017301-94-9	27
3	[1,1'-Biphenyl]-4-ol, 3-amino-	185	C12H11NO	001134-36-7	27
4	2-Undecene, 4,5-dimethyl-, [R@,S@-(	182	C13H26	055170-93-9	25



Tentatively Identified Compound (LSC) summary

Operator ID: Morgan Date Acquired: 1 Jun 2002 2:45 am
Data File: C:\HPCHEM\1\DATA\MAY3102\12162.D
Name: re-ext
Misc:
Method: C:\HPCHEM\1\METHODS\GCMS0531.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
Decanedioic acid, bi	35.99	260.1	ug/l	14738100	ISTD06	37.65	2266770	40.0

12162.D GCMS0531.M Mon Jun 03 11:44:42 2002