User: Galos, Marie
Westchester Dept. of Labs & Research
Date: 09/24/2001 Time: 14:59:24

Sample: AD22485
Analysis: $GCMS GC/MS Scan For Unknowns
Started: 9/24/01 14:55 Ended: 9/24/01 14:55 Analyst: MG
Page: 1

	Component Name	Vial	Result
	Other unknown compounds		see comment

Comments for Sample AD22485 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 09-24-2001 Time: 16:36:57

A scan of the extract prepared for the 508 analysis, from 35 - 550 amu using a mass spectrometer, reveals the presence of the following compounds with estimated levels:
Benzo(a)anthracene - 0.37 ug/L, certainty 95%
bis(2-Ethylhexyl)phthalate - 0.26 ug/L, certainty 93%
Chrysene - 0.39 ug/L, certainty 96%
Benzo(b)fluoranthene - 0.30 ug/L, certainty 87%
Benzo(k)fluoranthene - 0.40 ug/L, certainty 87%
Several additional polynuclear aromatic hydrocarbons may also be present at lower levels and with lower certainties.

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\SEP2101\22485.D
Acq On : 21 Sep 2001 4:13 pm
Sample : GC/MS unknown
Misc :
MS Integration Params: RTEINT.P
Quant Time: Sep 22 11:23 2001

Vial: 5
Operator: GALOS
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: NP072501.RES

Quant Method : C:\HPCHEM\1\METHODS\NP072501.M (RTE Integrator)
Title : 208 625/TCLP calibration table 7/25/01 C1 IS 5
Last Update : Wed Jul 25 15:24:54 2001
Response via : Initial Calibration
DataAcq Meth : HP060501

See next pg

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	11.99	152	349956	20.00	ng/uL	-0.01
19) Naphthalene-d8	15.60	136	1346843	20.00	ng/uL	-0.02
31) Acenaphthene-d10	20.88	164	625622	20.00	ng/uL	-0.02
49) Phenanthrene-d10	25.30	188	910094	20.00	ng/uL	-0.01
59) Chrysene-d12	33.30	240	566437	20.00	ng/uL	-0.01
68) Perylene-d12	37.41	264	379311	20.00	ng/uL	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	0.00	112	0	0.00	ng/uL	
Spiked Amount 75.000	Range 18 - 42		Recovery =	0.00%#		
5) Phenol-d5	0.00	99	0	0.00	ng/uL	
Spiked Amount 75.000	Range 19 - 32		Recovery =	0.00%#		
6) 2-Chlorophenol-d4	0.00	132	0	0.00	ng/uL	
Spiked Amount 75.000	Range 34 - 84		Recovery =	0.00%#		
7) 1,2-Dichlorobenzene-d4	0.00	152	0	0.00	ng/uL	
Spiked Amount 50.000	Range 26 - 73		Recovery =	0.00%#		
20) Nitrobenzene-d5	0.00	82	0	0.00	ng/uL	
Spiked Amount 50.000	Range 55 - 98		Recovery =	0.00%#		
32) 2-Fluorobiphenyl	19.03	172	569	0.02	ng/uL	0.13
Spiked Amount 50.000	Range 42 - 78		Recovery =	0.04%#		
33) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng/uL	
Spiked Amount 75.000	Range 45 - 96		Recovery =	0.00%#		
62) Terphenyl-d14	30.18	244	975	0.04	ng/uL	-0.02
Spiked Amount 50.000	Range 58 - 98		Recovery =	0.08%#		

Target Compounds				Qvalue
2) Pyridine	0.00	79	0	N.D.
3) N-nitrosodimethylamine	0.00	74	0	N.D.
8) Phenol	0.00	94	0	N.D.
9) bis(2-Chloroethyl)ether	0.00	93	0	N.D.
10) 2-Chlorophenol	0.00	128	0	N.D.
11) 1,3-Dichlorobenzene	0.00	146	0	N.D.
12) 1,4-Dichlorobenzene	0.00	146	0	N.D.
13) 1,2-Dichlorobenzene	0.00	146	0	N.D.
14) 2-Methylphenol	0.00	108	0	N.D.
15) 2,2'-oxybis(1-Chloropropan	0.00	45	0	N.D.
16) 3&4-Methylphenol	0.00	108	0	N.D.
17) N-Nitrosodi-n-propylamine	0.00	70	0	N.D.
18) Hexachloroethane	0.00	117	0	N.D.
21) Nitrobenzene	0.00	77	0	N.D.
22) Isophorone	0.00	82	0	N.D.

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\SEP2101\22485.D Vial: 5
Acq On : 21 Sep 2001 4:13 pm Operator: GALOS
Sample : GC/MS unknown Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 22 11:23 2001 Quant Results File: NP072501.RES

Quant Method : C:\HPCHEM\1\METHODS\NP072501.M (RTE Integrator)
Title : 208 625/TCLP calibration table 7/25/01 C1 IS 5
Last Update : Wed Jul 25 15:24:54 2001
Response via : Initial Calibration
DataAcq Meth : HP060501

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
23)	2-Nitrophenol	0.00	139	0	N.D.	
24)	2,4-Dimethylphenol	0.00	107	0	N.D.	
25)	bis(2-Chloroethoxy)methane	0.00	93	0	N.D.	
26)	2,4-Dichlorophenol	0.00	162	0	N.D.	
27)	1,2,4-Trichlorobenzene	0.00	180	0	N.D.	
28)	Naphthalene	0.00	128	0	N.D.	
29)	Hexachlorobutadiene	0.00	225	0	N.D.	
30)	4-Chloro-3-methylphenol	0.00	107	0	N.D.	
34)	Hexachlorocyclopentadiene	0.00	237	0	N.D.	
35)	2,4,6-Trichlorophenol	0.00	196	0	N.D.	
36)	2,4,5-Trichlorophenol	0.00	196	0	N.D.	
37)	2-Chloronaphthalene	0.00	162	0	N.D.	
38)	Dimethylphthalate	0.00	163	0	N.D.	
39)	2,6-Dinitrotoluene	0.00	165	0	N.D. d	
40)	Acenaphthylene	0.00	152	0	N.D.	
41)	Acenaphthene	0.00	153	0	N.D.	
42)	2,4-Dinitrophenol	0.00	184	0	N.D.	
43)	4-Nitrophenol	0.00	65	0	N.D.	
44)	2,4-Dinitrotoluene	0.00	165	0	N.D.	
45)	Diethylphthalate	0.00	149	0	N.D.	
46)	4-Chlorophenylphenylether	0.00	204	0	N.D.	
47)	Fluorene	0.00	166	0	N.D.	
48)	Azobenzen/ 1,2-Diphenylhyd	0.00	77	0	N.D.	
50)	4,6-Dinitro-2-methylphenol	0.00	198	0	N.D.	
51)	N-Nitrosodiphenylamine	0.00	169	0	N.D.	
52)	4-Bromophenyl-phenylether	0.00	248	0	N.D.	
53)	Hexachlorobenzene	0.00	284	0	N.D.	
54)	Pentachlorophenol	0.00	266	0	N.D.	
55)	Phenanthrene	0.00	178	0	N.D.	
56)	Anthracene	0.00	178	0	N.D.	
57)	Di-n-butylphthalate	27.28	149	4430	N.D.	
58)	Fluoranthene	28.97	202	945	N.D.	
60)	3,3'-Dichlorobenzidine	0.00	252	0	N.D.	
61)	Benzidine	0.00	184	0	N.D.	
63)	Pyrene	29.63	202	2167	N.D.	
64)	Butylbenzylphthalate	31.78	149	2615	N.D.	
65)	Benzo(a)anthracene	33.26	228	11616	0.37 ng/uL	95
66)	Bis(2-ethylhexyl)phthalate	33.56	149	8916	0.26 ng/uL#	93
67)	Chrysene	33.37	228	11702	0.39 ng/uL	96
69)	Di-n-Octylphthalate	35.29	149	4261	N.D.	
70)	Benzo(b)fluoranthene	36.32	252	8226	0.30 ng/uL#	87

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\SEP2101\22485.D Vial: 5
Acq On : 21 Sep 2001 4:13 pm Operator: GALOS
Sample : GC/MS unknown Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 22 11:23 2001 Quant Results File: NP072501.RES

Quant Method : C:\HPCHEM\1\METHODS\NP072501.M (RTE Integrator)
Title : 208 625/TCLP calibration table 7/25/01 C1 IS 5
Last Update : Wed Jul 25 15:24:54 2001
Response via : Initial Calibration
DataAcq Meth : HP060501

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
71) Benzo(k)fluoranthene	36.38	252	11492	0.40 ng/uL#	87
72) Benzo(a)pyrene	37.24	252	5655	N.D.	
73) Indeno(1,2,3-cd)pyrene	0.00	276	0	N.D.	
74) Dibenz(a,h)anthracene	0.00	278	0	N.D.	
75) Benzo(g,h,i)perylene	42.31	276	1197	N.D.	

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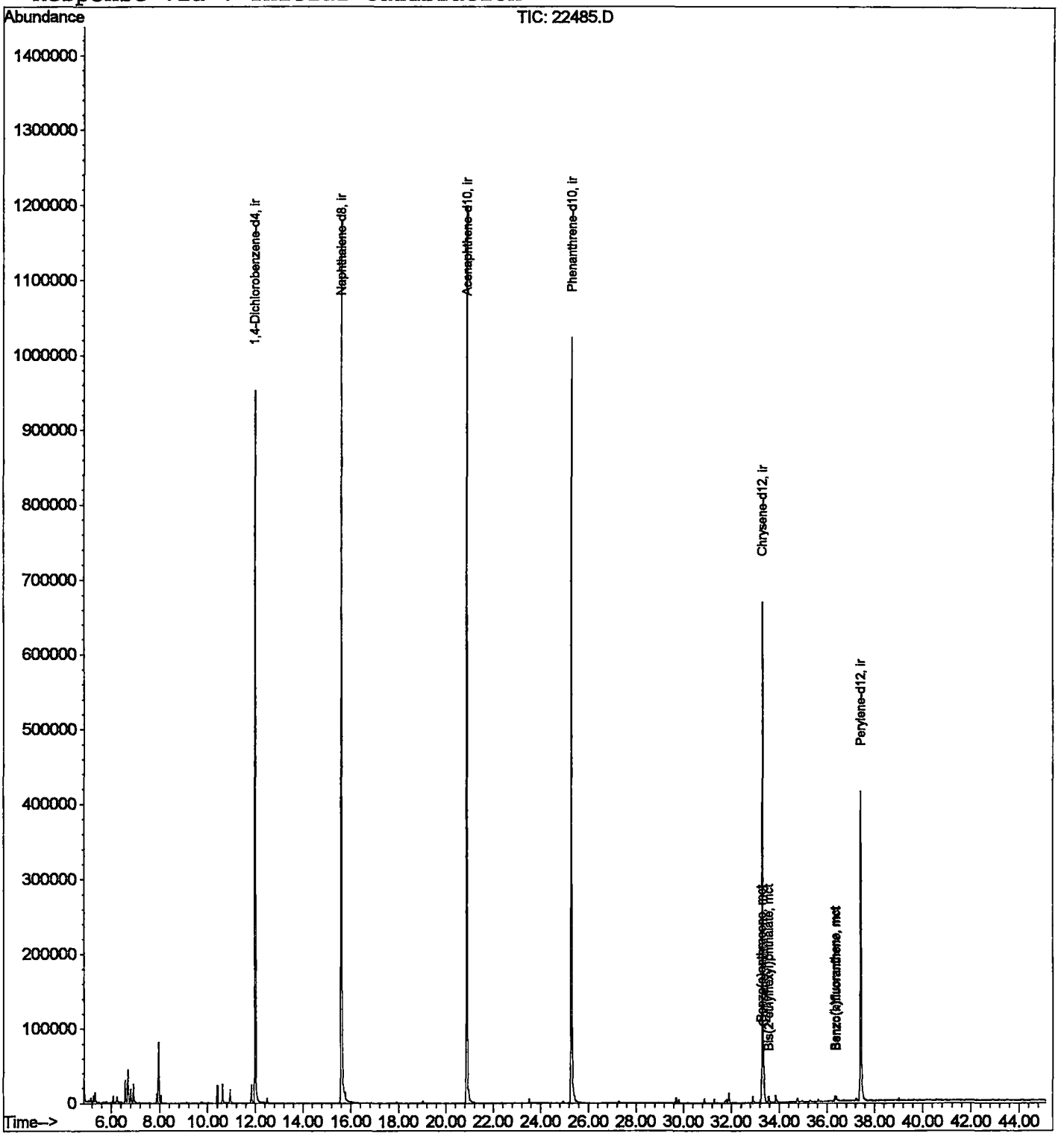
Quantitation Report

Data File : C:\HPCHEM\1\DATA\SEP2101\22485.D Vial: 5
Acq On : 21 Sep 2001 4:13 pm Operator: GALOS
Sample : GC/MS unknown Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 22 11:23 2001 Quant Results File: NP072501.RES

Method : C:\HPCHEM\1\METHODS\NP072501.M (RTE Integrator)
Title : 208 625/TCLP calibration table 7/25/01 C1 IS 5
Last Update : Wed Jul 25 15:24:54 2001
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\SEP2101\22485.D Vial: 5
Acq On : 21 Sep 2001 4:13 pm Operator: GALOS
Sample : GC/MS unknown Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\NP072501.M (RTE Integrator)
Title : 208 625/TCLP calibration table 7/25/01 C1 IS 5
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

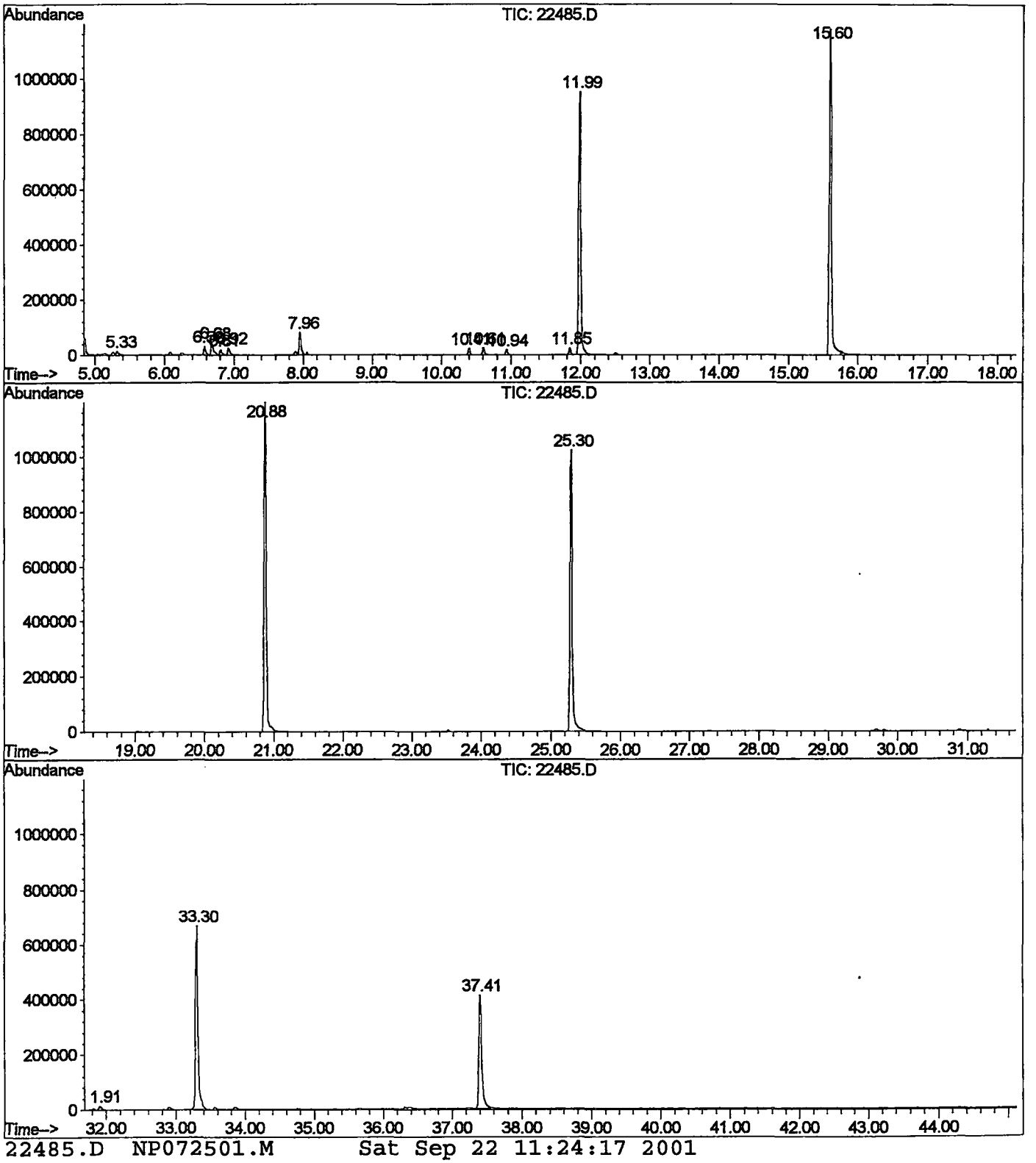
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	5.325	49	53	60	rVB	13900	33087	1.24%	0.248%
2	6.581	186	190	196	rBV	30659	58920	2.20%	0.442%
3	6.682	197	201	212	rVV2	44228	102635	3.84%	0.771%
4	6.811	212	215	222	rVV	17915	34505	1.29%	0.259%
5	6.921	224	227	235	rBV	26162	57942	2.17%	0.435%
6	7.957	336	340	350	rVB	81594	167356	6.26%	1.256%
7	10.405	603	607	611	rVB	23465	41259	1.54%	0.310%
8	10.607	626	629	637	rBB	25524	47933	1.79%	0.360%
9	10.937	662	665	671	rBB	18630	34283	1.28%	0.257%
10	11.845	761	764	770	rBB	24700	42874	1.60%	0.322%
11	11.992	774	780	796	rBV	952802	2065515	77.21%	15.507%
12	15.605	1168	1174	1191	rBV	1178957	2620813	97.97%	19.676%
13	20.878	1743	1749	1765	rBV	1198485	2675026	100.00%	20.083%
14	25.298	2225	2231	2252	rBV2	1023303	2376930	88.86%	17.845%
15	31.909	2947	2952	2958	rVB	13574	31980	1.20%	0.240%
16	33.303	3095	3104	3121	rBV2	669537	1693049	63.29%	12.711%
17	37.411	3543	3552	3567	rBV2	413746	1235739	46.20%	9.277%

Sum of corrected areas: 13319846

22485.D NP072501.M Sat Sep 22 11:24:16 2001

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\SEP2101\22485.D
Operator : GALOS
Acquired : 21 Sep 2001 4:13 pm using AcqMethod HP060501
Instrument : GC/MS Ins
Sample Name: GC/MS unknown
Misc Info :
Vial Number: 5
Quant File :NP072501.RES (RTE Integrator)



22485.D NP072501.M Sat Sep 22 11:24:17 2001

Tentatively Identified Compound (LSC) summary

Operator ID: GALOS Date Acquired: 21 Sep 2001 4:13 pm
Data File: C:\HPCHEM\1\DATA\SEP2101\22485.D
Name: GC/MS unknown
Misc:
Method: C:\HPCHEM\1\METHODS\NP072501.M (RTE Integrator)
Title: 208 625/TCLP calibration table 7/25/01 C1 IS 5
Library Searched: C:\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc

22485.D NP072501.M Sat Sep 22 11:24:17 2001