Analytical Resources Inc.
ABN by sw846 8270C
DDT Breakdown Report

Data file: /chem3/nt4.i/20071001.b/ddt.b/0251001.d ARI ID:
Method: /chem3/nt4.i/20071001.b/ddt.b/sw846ddt.m Misc:
Analysis Date: 01-OCT-2007 10:31 Instrument: nt4.i

LJT 10/1/07

COMPOUND	RT	AREA
Pentachlorophenol	15.192	81073
Benzidine	17.596	333112
4,4'-DDE	----	----
4,4'-DDD	18.520	2188
4,4'-DDT	18.996	259077

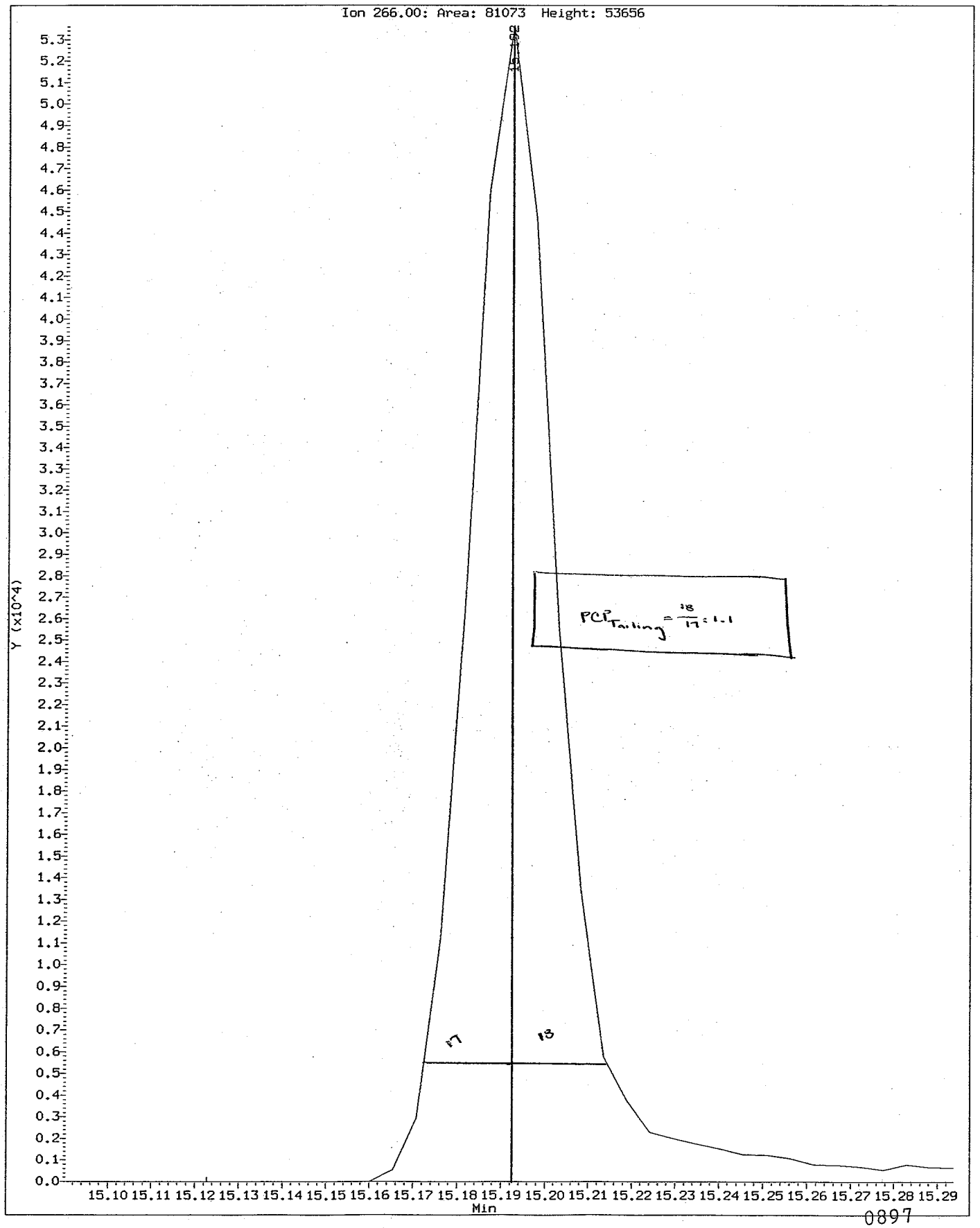
$$\text{DDT Percent Breakdown} = \frac{(\text{DDE Area} + \text{DDD Area}) * 100}{(\text{DDE Area} + \text{DDD Area} + \text{DDT Area})}$$

$$\text{DDT Percent Breakdown} = \frac{(0 + 2188) * 100}{(0 + 2188 + 259077)}$$

DDT Percent Breakdown = 0.8 %

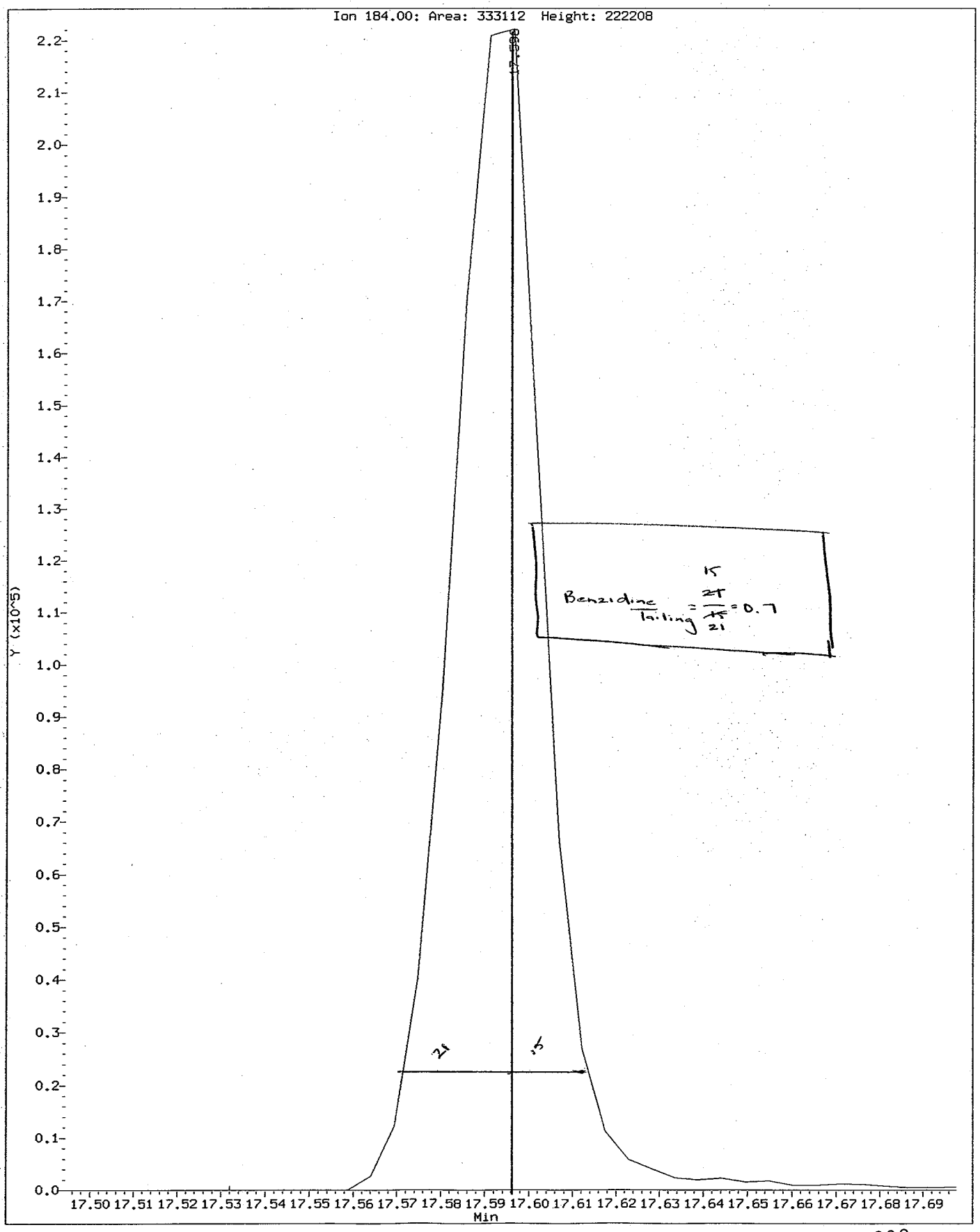
Data File: /chem3/nt4.i/20071001.b/ddt.b/0251001.d
Injection Date: 01-OCT-2007 10:31
Instrument: nt4.i
Client Sample ID:

Compound: Pentachlorophenol
CAS Number: 87-86-5



Data File: /chem3/nt4.i/20071001.b/ddt.b/0251001.d
Injection Date: 01-OCT-2007 10:31
Instrument: nt4.i
Client Sample ID:

Compound: Benzidine
CAS Number:



Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem3/nt4.i/20071001.b/0401001.d
Lab Smp Id: ABN 40 Client Smp ID: ABN 40
Inj Date : 01-OCT-2007 12:12
Operator : VTS Inst ID: nt4.i
Smp Info : ABN 40
Misc Info :
Comment : 1ul Injection
Method : /chem3/nt4.i/20071001.b/SW846.m
Meth Date : 02-Oct-2007 10:17 jeff Quant Type: ISTD
Cal Date : 01-OCT-2007 12:12 Cal File: 0401001.d
Als bottle: 4 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICAL.sub
Target Version: 3.50

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
$	1 2-Fluorophenol	112	6.137	6.144	(0.757)	366826	40.0000	39.66
$	2 Phenol-d5	99	7.670	7.687	(0.947)	409416	40.0000	39.55
	3 Phenol	94	7.692	7.709	(0.949)	472822	40.0000	38.46
$	5 2-Chlorophenol-d4	132	7.799	7.810	(0.962)	301050	40.0000	39.21
	4 Bis(2-Chloroethyl)ether	93	7.777	7.784	(0.960)	362606	40.0000	38.27
	6 2-Chlorophenol	128	7.825	7.837	(0.966)	338352	40.0000	38.23
	7 1,3-Dichlorobenzene	146	8.039	8.051	(0.992)	343876	40.0000	37.96
*	8 1,4-Dichlorobenzene-d4	152	8.103	8.110	(1.000)	109297	20.0000	
	9 1,4-Dichlorobenzene	146	8.130	8.136	(1.003)	348109	40.0000	38.13
$	10 1,2-Dichlorobenzene-d4	152	8.402	8.409	(1.037)	190975	40.0000	38.65
	12 1,2-Dichlorobenzene	146	8.424	8.430	(1.040)	327739	40.0000	38.33
	11 Benzyl alcohol	108	8.381	8.398	(1.034)	227978	40.0000	40.64
	14 2,2'-oxybis(1-Chloropropane)	45	8.648	8.654	(1.067)	449271	40.0000	39.08
	13 2-Methylphenol	108	8.616	8.633	(1.063)	325847	40.0000	40.12(M)
	17 Hexachloroethane	117	8.910	8.916	(1.100)	165979	40.0000	40.03
	16 N-Nitroso-di-n-propylamine	70	8.862	8.884	(1.094)	290171	40.0000	38.67
	15 4-Methylphenol	108	8.851	8.863	(1.092)	341837	40.0000	41.35
$	18 Nitrobenzene-d5	82	9.033	9.044	(0.890)	438549	40.0000	38.27
	19 Nitrobenzene	77	9.059	9.071	(0.893)	473432	40.0000	37.28
	20 Isophorone	82	9.444	9.461	(0.931)	785163	40.0000	39.19
	21 2-Nitrophenol	139	9.572	9.584	(0.944)	191637	40.0000	39.95
	22 2,4-Dimethylphenol	107	9.684	9.696	(0.955)	410145	40.0000	40.39
	23 Bis(2-Chloroethoxy)methane	93	9.834	9.846	(0.969)	463983	40.0000	38.59
	24 Benzoic acid	105	9.957	10.043	(0.982)	663868	80.0000	90.73(M)
	25 2,4-Dichlorophenol	162	9.957	9.969	(0.982)	275335	40.0000	40.17
	26 1,2,4-Trichlorobenzene	180	10.090	10.091	(0.995)	312494	40.0000	38.57
*	27 Naphthalene-d8	136	10.144	10.150	(1.000)	434450	20.0000	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
	28 Naphthalene	128	10.176	10.182	(1.003)	1009496	40.0000	37.85
	29 4-Chloroaniline	127	10.315	10.326	(1.017)	434381	40.0000	38.66
	30 Hexachlorobutadiene	225	10.496	10.497	(1.035)	180952	40.0000	38.58
	31 4-Chloro-3-methylphenol	107	11.127	11.133	(1.097)	350757	40.0000	41.44
	32 2-Methylnaphthalene	141	11.292	11.299	(1.113)	522806	40.0000	38.48
	33 Hexachlorocyclopentadiene	237	11.677	11.678	(0.898)	184427	40.0000	42.37
	34 2,4,6-Trichlorophenol	196	11.811	11.817	(0.908)	190158	40.0000	39.50
	35 2,4,5-Trichlorophenol	196	11.864	11.870	(0.912)	203885	40.0000	39.57
$	36 2-Fluorobiphenyl	172	11.939	11.945	(0.918)	633295	40.0000	38.18
	37 2-Chloronaphthalene	162	12.072	12.079	(0.928)	593248	40.0000	37.79
	38 2-Nitroaniline	65	12.302	12.314	(0.946)	268114	40.0000	39.27
	39 Dimethylphthalate	163	12.681	12.693	(0.975)	656407	40.0000	38.42
	40 Acenaphthylene	152	12.751	12.757	(0.981)	911396	40.0000	38.79
	41 2,6-Dinitrotoluene	165	12.772	12.784	(0.982)	151171	40.0000	38.71
*	42 Acenaphthene-d10	164	13.002	13.008	(1.000)	240213	20.0000	
	43 3-Nitroaniline	138	12.980	12.998	(0.998)	185370	40.0000	40.37
	44 Acenaphthene	153	13.055	13.062	(1.004)	593861	40.0000	38.08
	45 2,4-Dinitrophenol	184	13.151	13.169	(1.012)	213049	80.0000	97.97
	46 Dibenzofuran	168	13.317	13.329	(1.024)	763921	40.0000	37.61
	47 4-Nitrophenol	109	13.285	13.297	(1.022)	139188	40.0000	42.91 (M)
	48 2,4-Dinitrotoluene	165	13.397	13.409	(1.030)	200220	40.0000	38.78
	50 Diethylphthalate	149	13.841	13.852	(1.064)	648616	40.0000	38.70
	49 Fluorene	166	13.873	13.879	(1.067)	661898	40.0000	38.19
	51 4-Chlorophenyl-phenylether	204	13.894	13.900	(1.069)	319686	40.0000	37.61
	52 4-Nitroaniline	138	13.979	14.007	(1.075)	185819	40.0000	40.52
	53 4,6-Dinitro-2-methylphenol	198	14.054	14.077	(0.914)	267976	80.0000	88.92
	54 N-Nitrosodiphenylamine	169	14.102	14.114	(0.917)	353185	40.0000	38.77
$	55 2,4,6-Tribromophenol	330	14.295	14.301	(1.099)	85278	40.0000	41.24
	56 4-Bromophenyl-phenylether	248	14.674	14.686	(0.954)	176221	40.0000	38.30
	57 Hexachlorobenzene	284	14.898	14.905	(0.969)	180634	40.0000	37.76
	58 Pentachlorophenol	266	15.192	15.204	(0.988)	118304	40.0000	42.32
*	59 Phenanthrene-d10	188	15.374	15.380	(1.000)	370656	20.0000	
	60 Phenanthrene	178	15.411	15.423	(1.002)	951826	40.0000	37.16
	61 Anthracene	178	15.486	15.492	(1.007)	974950	40.0000	37.64
	62 Carbazole	167	15.769	15.775	(1.026)	855500	40.0000	38.60
	63 Di-n-butylphthalate	149	16.485	16.491	(1.072)	1049219	40.0000	39.38
	64 Fluoranthene	202	17.350	17.357	(1.129)	1059807	40.0000	38.21
	65 Pyrene	202	17.703	17.715	(0.899)	1099382	40.0000	39.72
$	66 Terphenyl-d14	244	18.018	18.025	(0.915)	648881	40.0000	40.61
	67 Butylbenzylphthalate	149	18.905	18.911	(0.960)	487690	40.0000	42.03
	68 Benzo(a)anthracene	228	19.663	19.675	(0.999)	1016542	40.0000	39.60
*	69 Chrysene-d12	240	19.690	19.702	(1.000)	345387	20.0000	
	70 3,3'-Dichlorobenzidine	252	19.674	19.686	(0.999)	351268	40.0000	38.54
	71 Chrysene	228	19.733	19.750	(1.002)	957143	40.0000	37.91
	72 bis(2-Ethylhexyl)phthalate	149	19.899	19.905	(0.955)	686939	40.0000	41.94
*	134 Di-n-octylphthalate-d4	153	20.833	20.840	(1.000)	519831	20.0000	
	73 Di-n-octylphthalate	149	20.844	20.851	(1.000)	1133455	40.0000	37.85

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
74	Benzo(b)fluoranthene	252	21.320	21.347	(0.976)	949548	40.0000	37.81(H)
75	Benzo(k)fluoranthene	252	21.357	21.379	(0.978)	1046868	40.0000	39.46
76	Benzo(a)pyrene	252	21.768	21.791	(0.997)	892548	40.0000	39.91
* 77	Perylene-d12	264	21.843	21.849	(1.000)	368819	20.0000	
78	Indeno(1,2,3-cd)pyrene	276	23.366	23.393	(1.070)	1003513	40.0000	40.83
79	Dibenzo(a,h)anthracene	278	23.387	23.425	(1.071)	839003	40.0000	41.56
80	Benzo(g,h,i)perylene	276	23.788	23.826	(1.089)	896937	40.0000	40.51
90	N-Nitrosodimethylamine	74	3.461	3.483	(0.427)	259410	40.0000	38.62
103	Pyridine	79	3.429	3.430	(0.423)	422411	40.0000	39.20
91	Aniline	93	7.654	7.666	(0.945)	573323	40.0000	39.10
105	1-methylnaphthalene	141	11.463	11.470	(1.130)	526371	40.0000	38.25
93	Benzidine	184	17.596	17.602	(0.894)	445124	40.0000	38.58
111	Azobenzene (1,2-DP-Hydrazine)	77	14.150	14.157	(1.088)	883670	40.0000	38.00
144	alpha-Terpineol	59	10.208	10.214	(1.006)	302575	40.0000	39.17
143	1,4-Dioxane	88	Compound Not Detected.					
$ 137	d8-1,4-Dioxane	96	Compound Not Detected.					
133	Butylatedhydroxytoluene	205	13.178	13.185	(1.014)	505538	40.0000	37.34
115	Tributyl Phosphate	99	14.204	14.221	(0.924)	897573	40.0000	39.03
116	Dibutyl Phenyl Phosphate	175	15.929	15.930	(1.036)	507806	40.0000	40.36
117	Butyl Diphenyl Phosphate	94	17.612	17.619	(0.894)	224577	40.0000	41.51
118	Triphenyl Phosphate	326	19.215	19.226	(0.976)	156519	40.0000	41.14
123	Acetophenone	105	8.798	8.809	(1.086)	460913	40.0000	39.06
170	Pentachlorobenzene	250	13.360	13.366	(1.028)	211579	40.0000	36.59

QC Flag Legend

M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt4.i
Lab File ID: 0401001.d
Lab Smp Id: ABN 40
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: /chem3/nt4.i/20071001.b/SW846.m
Misc Info:

Calibration Date: 01-OCT-2007
Calibration Time: 10:31
Client Smp ID: ABN 40
Level:
Sample Type:

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	110324	55162	220648	109297	-0.93
27 Naphthalene-d8	430280	215140	860560	434450	0.97
42 Acenaphthene-d10	242988	121494	485976	240213	-1.14
59 Phenanthrene-d10	380514	190257	761028	370656	-2.59
69 Chrysene-d12	406554	203277	813108	345387	-15.05
134 Di-n-octylphthala	598971	299486	1197942	519831	-13.21
77 Perylene-d12	429313	214656	858626	368819	-14.09

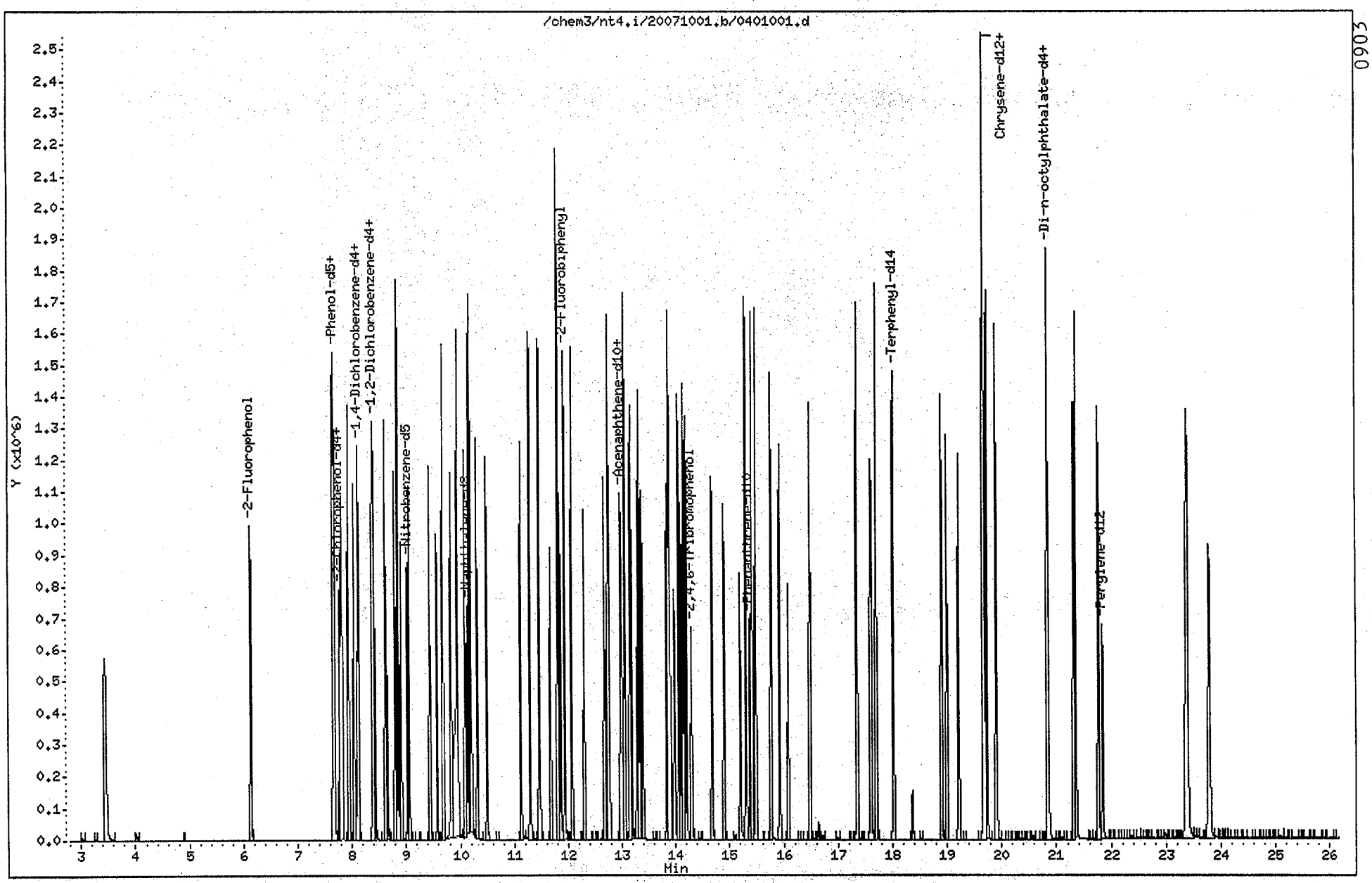
		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	8.10	7.60	8.60	8.10	0.00
27 Naphthalene-d8	10.14	9.64	10.64	10.14	0.00
42 Acenaphthene-d10	13.00	12.50	13.50	13.00	0.00
59 Phenanthrene-d10	15.37	14.87	15.87	15.37	0.00
69 Chrysene-d12	19.69	19.19	20.19	19.69	0.00
134 Di-n-octylphthala	20.83	20.33	21.33	20.83	0.00
77 Perylene-d12	21.84	21.34	22.34	21.84	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

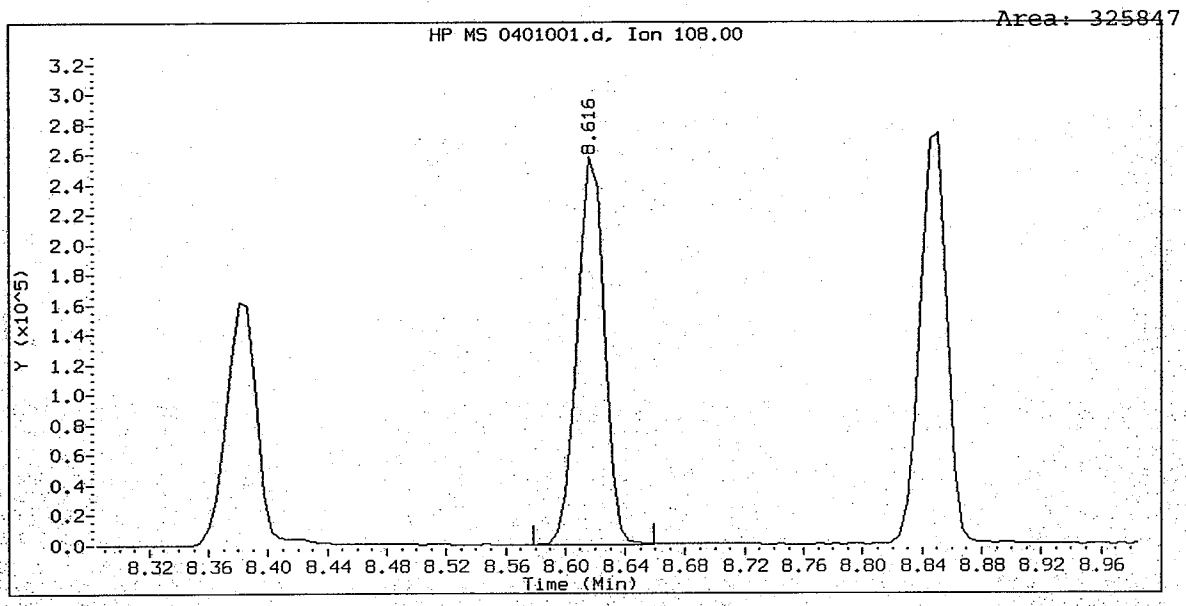
Data File: /chem3/nt4.i/20071001.b/0401001.d
Date : 01-OCT-2007 12:12
Client ID: ABN 40
Sample Info: ABN 40

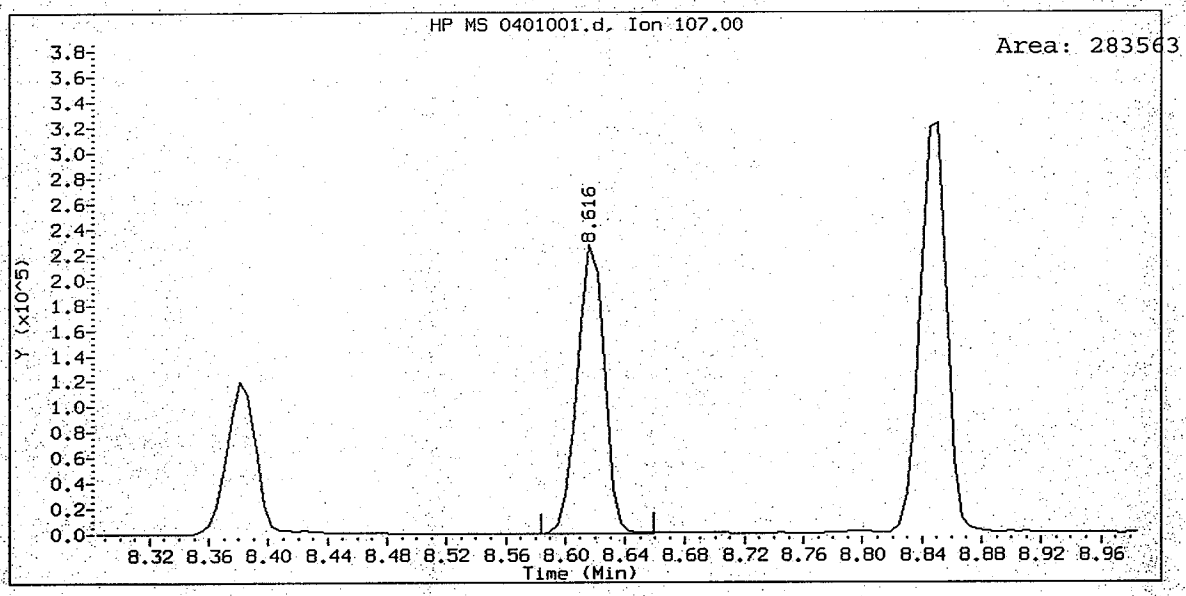
Instrument: nt4.i
Operator: VTS
Column diameter: 0.32

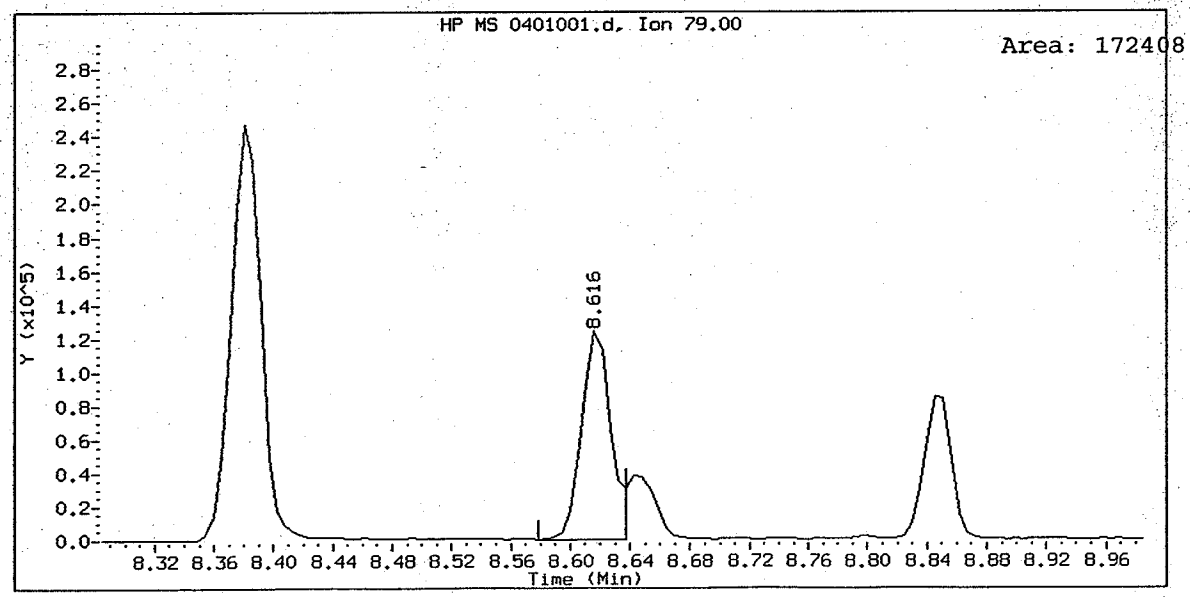
Column phase: ZB-5



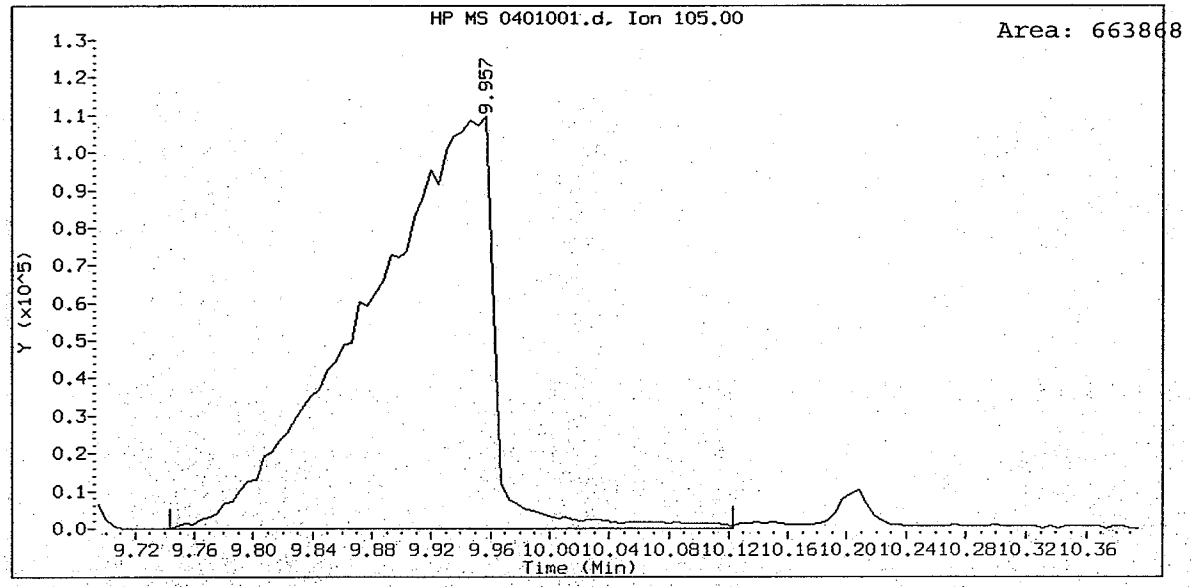
ABN 40, /chem3/nt4.i/20071001.b/0401001.d
2-Methylphenol Amount: 40.12

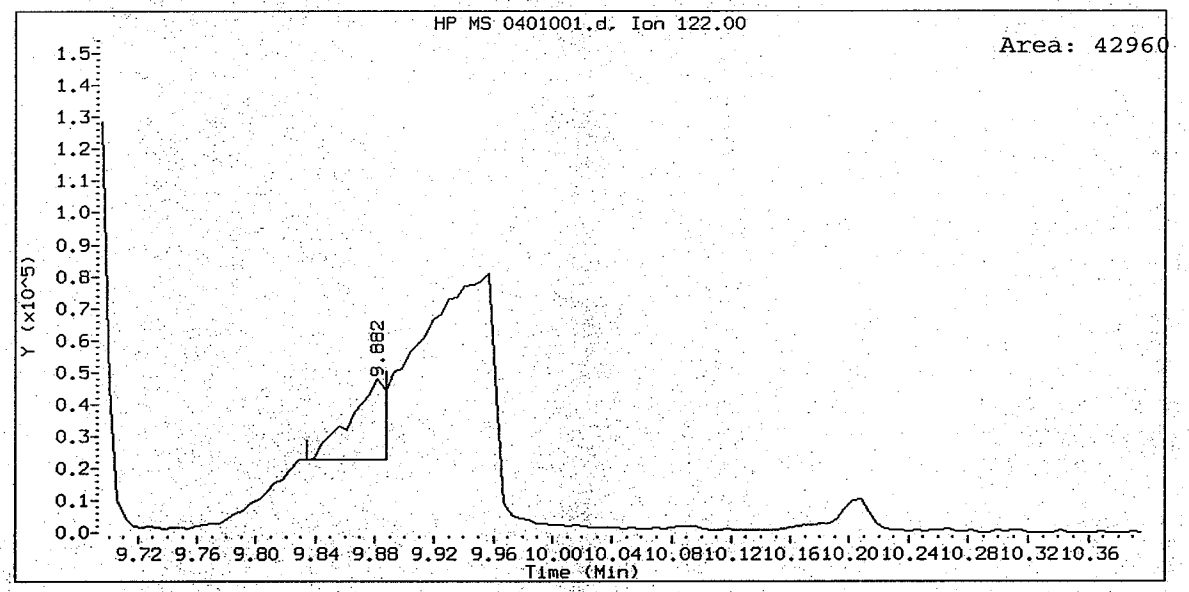


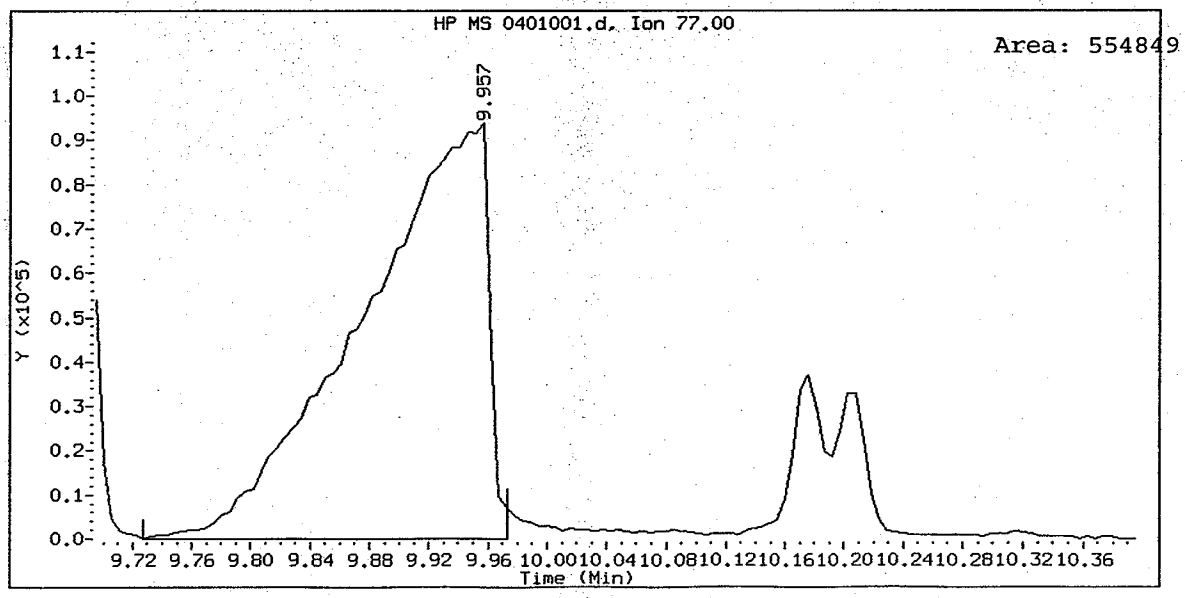




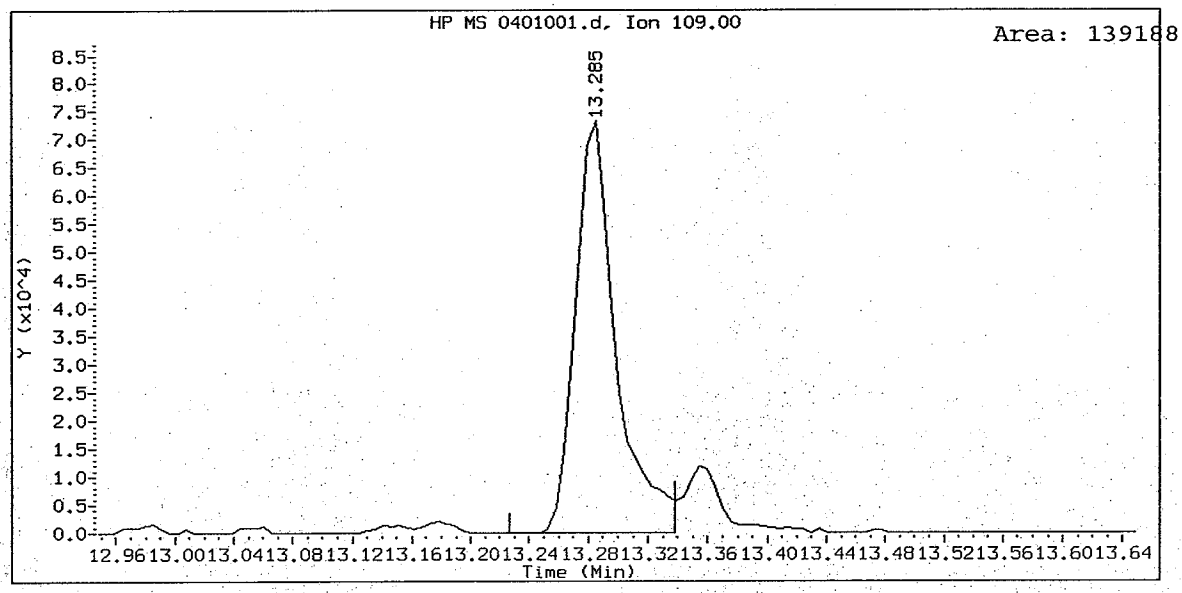
ABN 40, /chem3/nt4.i/20071001.b/0401001.d
Benzoic acid Amount: 90.73

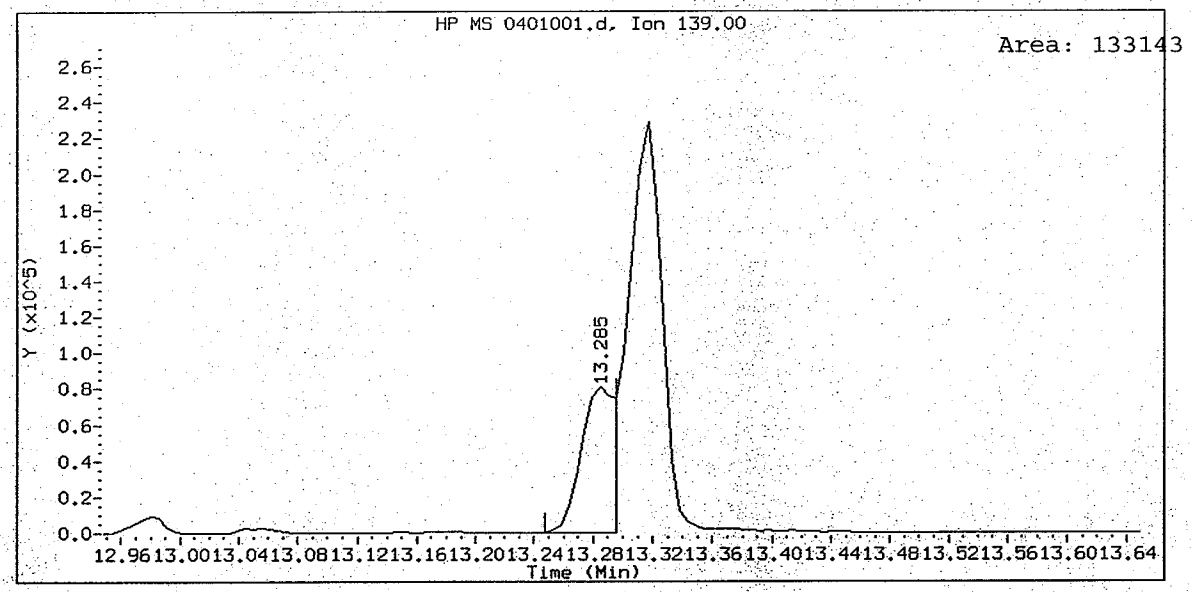


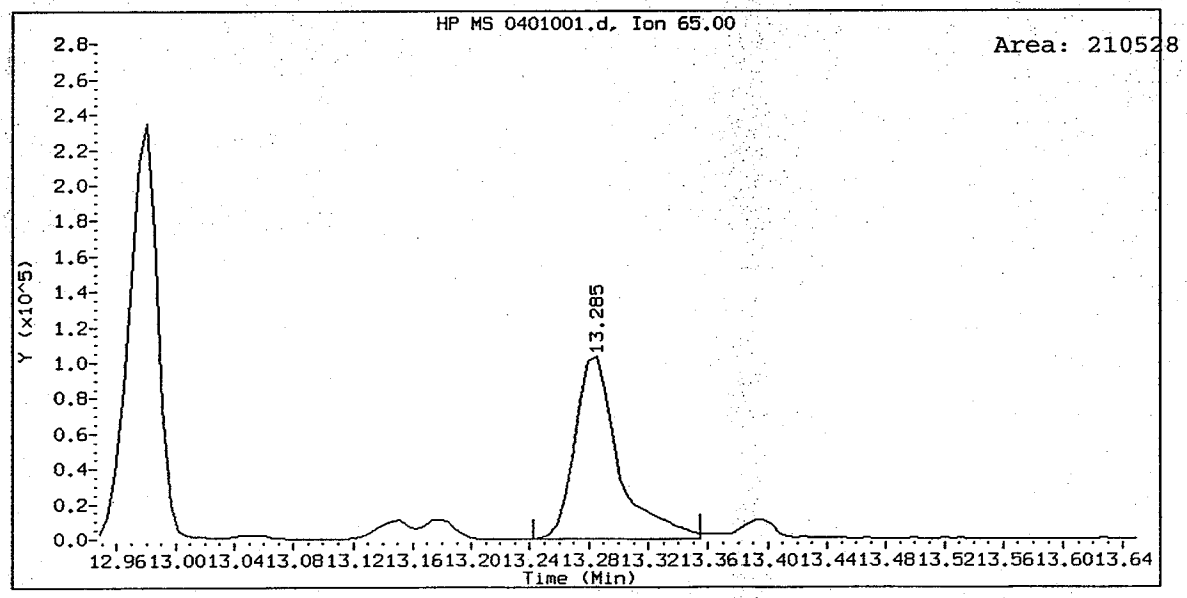




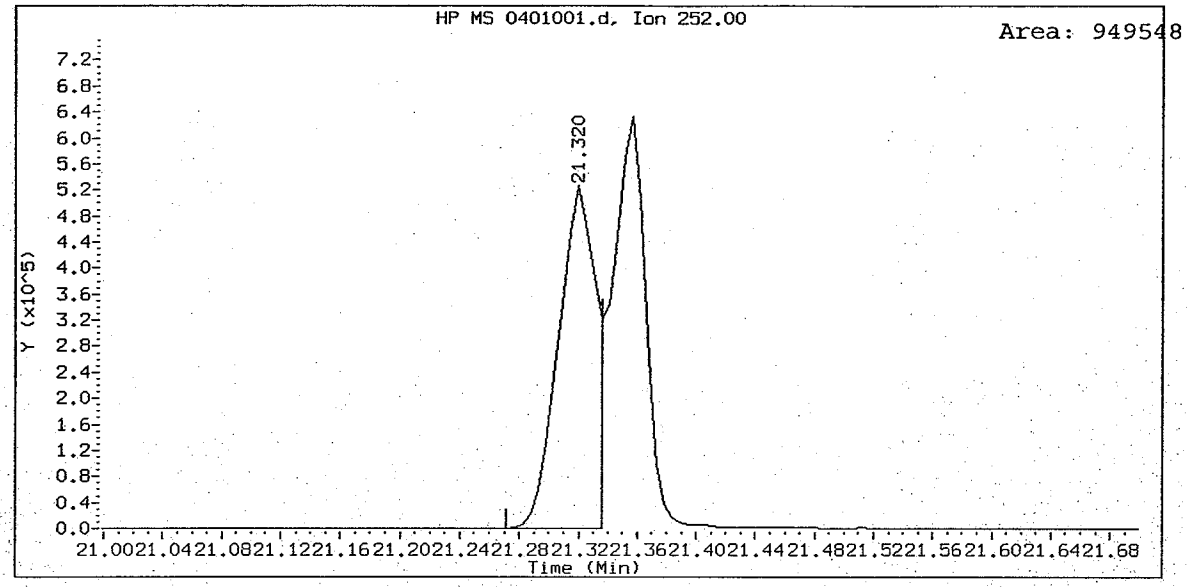
ABN 40, /chem3/nt4.i/20071001.b/0401001.d
4-Nitrophenol Amount: 42.91

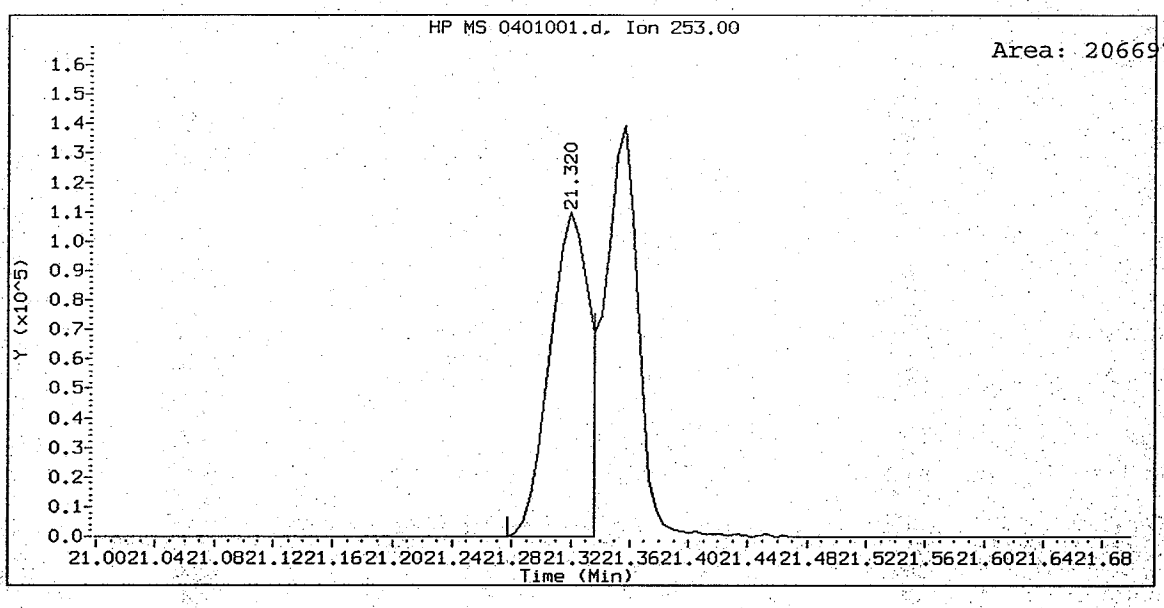


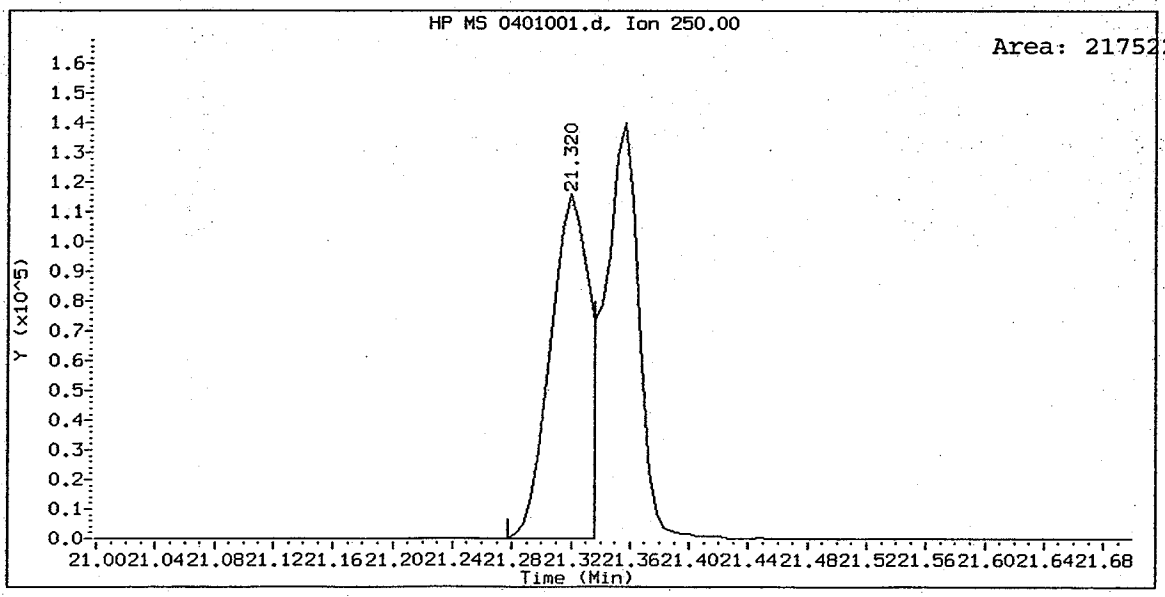




ABN 40, /chem3/nt4.i/20071001.b/0401001.d
Benzo(b)fluoranthene Amount: 37.81







Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem3/nt4.i/20071001.b/0801001.d
Lab Smp Id: ABN 80 Client Smp ID: ABN 80
Inj Date : 01-OCT-2007 11:04
Operator : VTS Inst ID: nt4.i
Smp Info : ABN 80
Misc Info :
Comment : 1ul Injection
Method : /chem3/nt4.i/20071001.b/SW846.m
Meth Date : 02-Oct-2007 10:17 jeff Quant Type: ISTD
Cal Date : 01-OCT-2007 11:04 Cal File: 0801001.d
Als bottle: 2 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICAL.sub
Target Version: 3.50

LJK 10/2/07

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
$	1 2-Fluorophenol	112	6.144	6.144	(0.758)	847459	80.0000	69.33
$	2 Phenol-d5	99	7.687	7.687	(0.948)	931880	80.0000	68.11
	3 Phenol	94	7.709	7.709	(0.951)	1157931	80.0000	71.26
$	5 2-Chlorophenol-d4	132	7.810	7.810	(0.963)	724738	80.0000	71.41
	4 Bis(2-Chloroethyl)ether	93	7.784	7.784	(0.960)	863554	80.0000	68.97
	6 2-Chlorophenol	128	7.837	7.837	(0.966)	825580	80.0000	70.58
	7 1,3-Dichlorobenzene	146	8.051	8.051	(0.993)	867937	80.0000	72.49
*	8 1,4-Dichlorobenzene-d4	152	8.110	8.110	(1.000)	144455	20.0000	
	9 1,4-Dichlorobenzene	146	8.136	8.136	(1.003)	885742	80.0000	73.40
$	10 1,2-Dichlorobenzene-d4	152	8.409	8.409	(1.037)	474730	80.0000	72.70
	12 1,2-Dichlorobenzene	146	8.430	8.430	(1.040)	813468	80.0000	71.97
	11 Benzyl alcohol	108	8.398	8.398	(1.036)	573219	80.0000	77.31
	14 2,2'-oxybis(1-Chloropropane)	45	8.654	8.654	(1.067)	1104745	80.0000	72.70
	13 2-Methylphenol	108	8.633	8.633	(1.065)	805857	80.0000	75.08(M)
	17 Hexachloroethane	117	8.916	8.916	(1.099)	403407	80.0000	73.62
	16 N-Nitroso-di-n-propylamine	70	8.884	8.884	(1.096)	712465	80.0000	71.84
	15 4-Methylphenol	108	8.863	8.863	(1.093)	819642	80.0000	75.02
$	18 Nitrobenzene-d5	82	9.044	9.044	(0.891)	1036284	80.0000	74.23
	19 Nitrobenzene	77	9.071	9.071	(0.894)	1085609	80.0000	70.18
	20 Isophorone	82	9.461	9.461	(0.932)	1795229	80.0000	73.55
	21 2-Nitrophenol	139	9.584	9.584	(0.944)	442997	80.0000	75.81
	22 2,4-Dimethylphenol	107	9.696	9.696	(0.955)	903068	80.0000	73.00
	23 Bis(2-Chloroethoxy)methane	93	9.846	9.846	(0.970)	1038390	80.0000	70.89
	24 Benzoic acid	105	10.043	10.043	(0.989)	1575835	160.000	176.8(M)
	25 2,4-Dichlorophenol	162	9.969	9.969	(0.982)	640479	80.0000	76.71
	26 1,2,4-Trichlorobenzene	180	10.091	10.091	(0.994)	705446	80.0000	71.47
*	27 Naphthalene-d8	136	10.150	10.150	(1.000)	529257	20.0000	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
	28 Naphthalene	128	10.182	10.182	(1.003)	2293959	80.0000	70.60
	29 4-Chloroaniline	127	10.326	10.326	(1.017)	1007509	80.0000	73.61
	30 Hexachlorobutadiene	225	10.497	10.497	(1.034)	402506	80.0000	70.44
	31 4-Chloro-3-methylphenol	107	11.133	11.133	(1.097)	771396	80.0000	74.82
	32 2-Methylnaphthalene	141	11.299	11.299	(1.113)	1178941	80.0000	71.23
	33 Hexachlorocyclopentadiene	237	11.678	11.678	(0.898)	438673	80.0000	88.60
	34 2,4,6-Trichlorophenol	196	11.817	11.817	(0.908)	430186	80.0000	78.56
	35 2,4,5-Trichlorophenol	196	11.870	11.870	(0.913)	466891	80.0000	79.65
$	36 2-Fluorobiphenyl	172	11.945	11.945	(0.918)	1437150	80.0000	76.17
	37 2-Chloronaphthalene	162	12.079	12.079	(0.929)	1336688	80.0000	74.86
	38 2-Nitroaniline	65	12.314	12.314	(0.947)	606762	80.0000	78.12
	39 Dimethylphthalate	163	12.693	12.693	(0.976)	1433914	80.0000	73.78
	40 Acenaphthylene	152	12.757	12.757	(0.981)	1997010	80.0000	74.73
	41 2,6-Dinitrotoluene	165	12.784	12.784	(0.983)	349474	80.0000	78.67
*	42 Acenaphthene-d10	164	13.008	13.008	(1.000)	273258	20.0000	
	43 3-Nitroaniline	138	12.998	12.998	(0.999)	413179	80.0000	79.10
	44 Acenaphthene	153	13.062	13.062	(1.004)	1329967	80.0000	74.97
	45 2,4-Dinitrophenol	184	13.169	13.169	(1.012)	547991	160.000	221.5
	46 Dibenzofuran	168	13.329	13.329	(1.025)	1730192	80.0000	74.88
	47 4-Nitrophenol	109	13.297	13.297	(1.022)	274892	80.0000	74.50(M)
	48 2,4-Dinitrotoluene	165	13.409	13.409	(1.031)	463849	80.0000	78.99
	50 Diethylphthalate	149	13.852	13.852	(1.065)	1365581	80.0000	71.62
	49 Fluorene	166	13.879	13.879	(1.067)	1466859	80.0000	74.40
	51 4-Chlorophenyl-phenylether	204	13.900	13.900	(1.069)	704455	80.0000	72.85
	52 4-Nitroaniline	138	14.007	14.007	(1.077)	411870	80.0000	78.96
	53 4,6-Dinitro-2-methylphenol	198	14.077	14.077	(0.915)	625136	160.000	185.1
	54 N-Nitrosodiphenylamine	169	14.114	14.114	(0.918)	811927	80.0000	79.53
$	55 2,4,6-Tribromophenol	330	14.301	14.301	(1.099)	185345	80.0000	78.79
	56 4-Bromophenyl-phenylether	248	14.686	14.686	(0.955)	382840	80.0000	74.23
	57 Hexachlorobenzene	284	14.905	14.905	(0.969)	390832	80.0000	72.90
	58 Pentachlorophenol	266	15.204	15.204	(0.989)	280035	80.0000	89.39
*	59 Phenanthrene-d10	188	15.380	15.380	(1.000)	415414	20.0000	
	60 Phenanthrene	178	15.423	15.423	(1.003)	2112315	80.0000	73.57
	61 Anthracene	178	15.492	15.492	(1.007)	2168629	80.0000	74.70
	62 Carbazole	167	15.775	15.775	(1.026)	1878467	80.0000	75.62
	63 Di-n-butylphthalate	149	16.491	16.491	(1.072)	2246575	80.0000	75.24
	64 Fluoranthene	202	17.357	17.357	(1.129)	2351613	80.0000	75.66
	65 Pyrene	202	17.715	17.715	(0.899)	2485208	80.0000	69.16
$	66 Terphenyl-d14	244	18.025	18.025	(0.915)	1463770	80.0000	70.56
	67 Butylbenzylphthalate	149	18.911	18.911	(0.960)	1134540	80.0000	75.31
	68 Benzo(a)anthracene	228	19.675	19.675	(0.999)	2477785	80.0000	74.35
*	69 Chrysene-d12	240	19.702	19.702	(1.000)	448393	20.0000	
	70 3,3'-Dichlorobenzidine	252	19.686	19.686	(0.999)	904164	80.0000	76.41
	71 Chrysene	228	19.750	19.750	(1.002)	2429828	80.0000	74.12
	72 bis(2-Ethylhexyl)phthalate	149	19.905	19.905	(0.955)	1628603	80.0000	75.28
*	134 Di-n-octylphthalate-d4	153	20.840	20.840	(1.000)	686610	20.0000	
	73 Di-n-octylphthalate	149	20.851	20.851	(1.000)	2845694	80.0000	71.95

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
74	Benzo(b)fluoranthene	252	21.347	21.347	(0.977)	2876064	80.0000	80.07
75	Benzo(k)fluoranthene	252	21.379	21.379	(0.978)	2496722	80.0000	65.80(H)
76	Benzo(a)pyrene	252	21.791	21.791	(0.997)	2389795	80.0000	74.71
* 77	Perylene-d12	264	21.849	21.849	(1.000)	527580	20.0000	
78	Indeno(1,2,3-cd)pyrene	276	23.393	23.393	(1.071)	2774062	80.0000	78.89
79	Dibenzo(a,h)anthracene	278	23.425	23.425	(1.072)	2298173	80.0000	79.58
80	Benzo(g,h,i)perylene	276	23.826	23.826	(1.090)	2457630	80.0000	77.60
90	N-Nitrosodimethylamine	74	3.483	3.483	(0.430)	599069	80.0000	67.48
103	Pyridine	79	3.430	3.430	(0.423)	1001347	80.0000	70.30
91	Aniline	93	7.666	7.666	(0.945)	1325321	80.0000	68.39
105	1-methylnaphthalene	141	11.470	11.470	(1.130)	1160931	80.0000	69.26
93	Benzidine	184	17.602	17.602	(0.893)	1026984	80.0000	68.57
111	Azobenzene (1,2-DP-Hydrazine)	77	14.157	14.157	(1.088)	1924692	80.0000	72.77
144	alpha-Terpineol	59	10.214	10.214	(1.006)	691091	80.0000	73.45
143	1,4-Dioxane	88	Compound Not Detected.					
$ 137	d8-1,4-Dioxane	96	Compound Not Detected.					
133	Butylatedhydroxytoluene	205	13.185	13.185	(1.014)	1134064	80.0000	73.63
115	Tributyl Phosphate	99	14.221	14.221	(0.925)	1969001	80.0000	76.40
116	Dibutyl Phenyl Phosphate	175	15.930	15.930	(1.036)	1111673	80.0000	78.83
117	Butyl Diphenyl Phosphate	94	17.619	17.619	(0.894)	481314	80.0000	68.52
118	Triphenyl Phosphate	326	19.226	19.226	(0.976)	383258	80.0000	77.60
123	Acetophenone	105	8.809	8.809	(1.086)	1156106	80.0000	74.13
170	Pentachlorobenzene	250	13.366	13.366	(1.028)	490862	80.0000	74.63

QC Flag Legend

M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt4.i
Lab File ID: 0801001.d
Lab Smp Id: ABN 80
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: /chem3/nt4.i/20071001.b/SW846.m
Misc Info:

Calibration Date: 01-OCT-2007
Calibration Time: 10:31
Client Smp ID: ABN 80
Level:
Sample Type:

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	110324	55162	220648	144455	30.94
27 Naphthalene-d8	430280	215140	860560	529257	23.00
42 Acenaphthene-d10	242988	121494	485976	273258	12.46
59 Phenanthrene-d10	380514	190257	761028	415414	9.17
69 Chrysene-d12	406554	203277	813108	448393	10.29
134 Di-n-octylphthala	598971	299486	1197942	686610	14.63
77 Perylene-d12	429313	214656	858626	527580	22.89

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	8.10	7.60	8.60	8.11	0.08
27 Naphthalene-d8	10.14	9.64	10.64	10.15	0.06
42 Acenaphthene-d10	13.00	12.50	13.50	13.01	0.05
59 Phenanthrene-d10	15.37	14.87	15.87	15.38	0.04
69 Chrysene-d12	19.69	19.19	20.19	19.70	0.06
134 Di-n-octylphthala	20.83	20.33	21.33	20.84	0.03
77 Perylene-d12	21.84	21.34	22.34	21.85	0.03

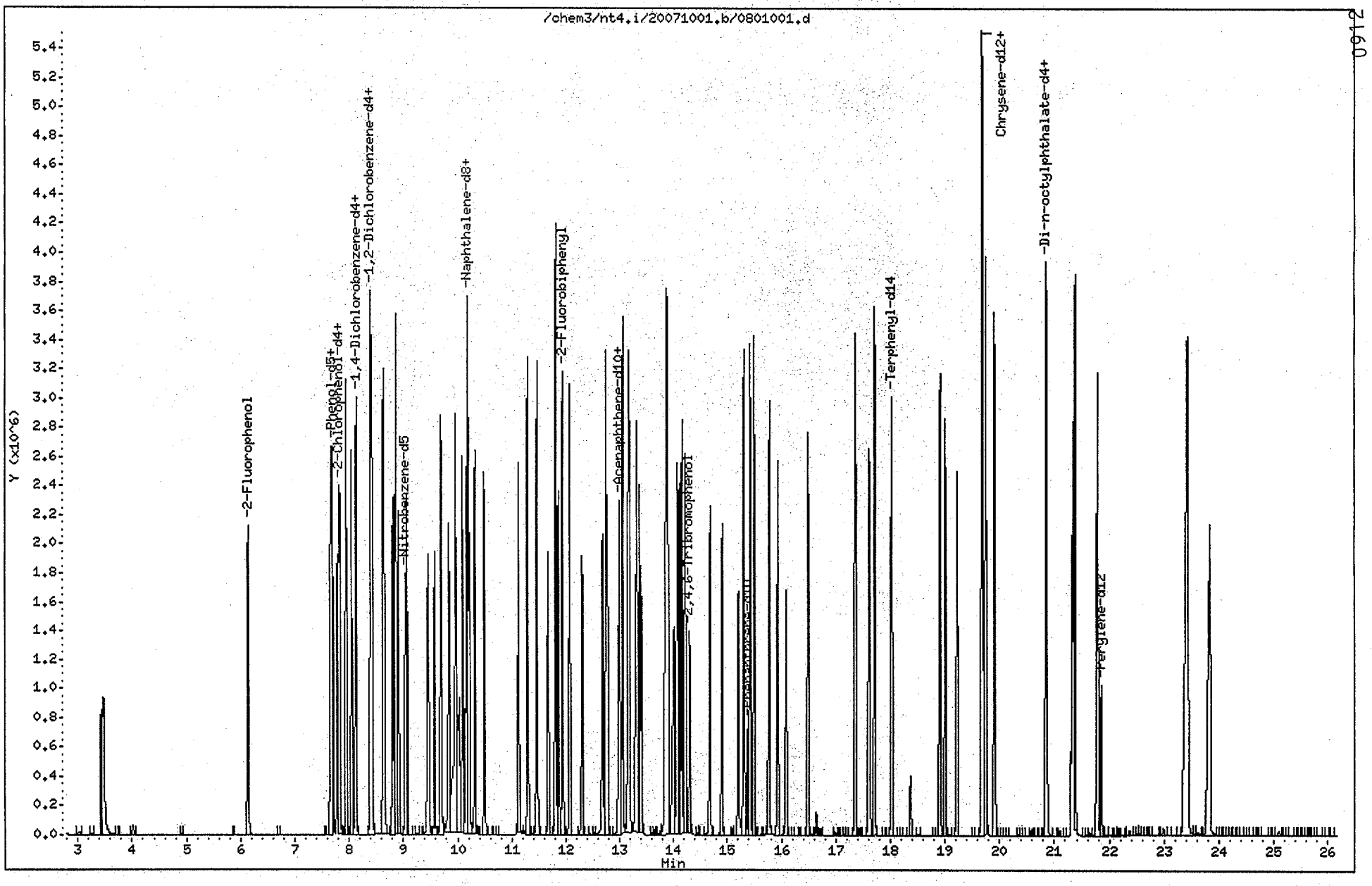
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem3/nt4.i/20071001.b/0801001.d
Date : 01-OCT-2007 11:04
Client ID: ABN 80
Sample Info: ABN 80

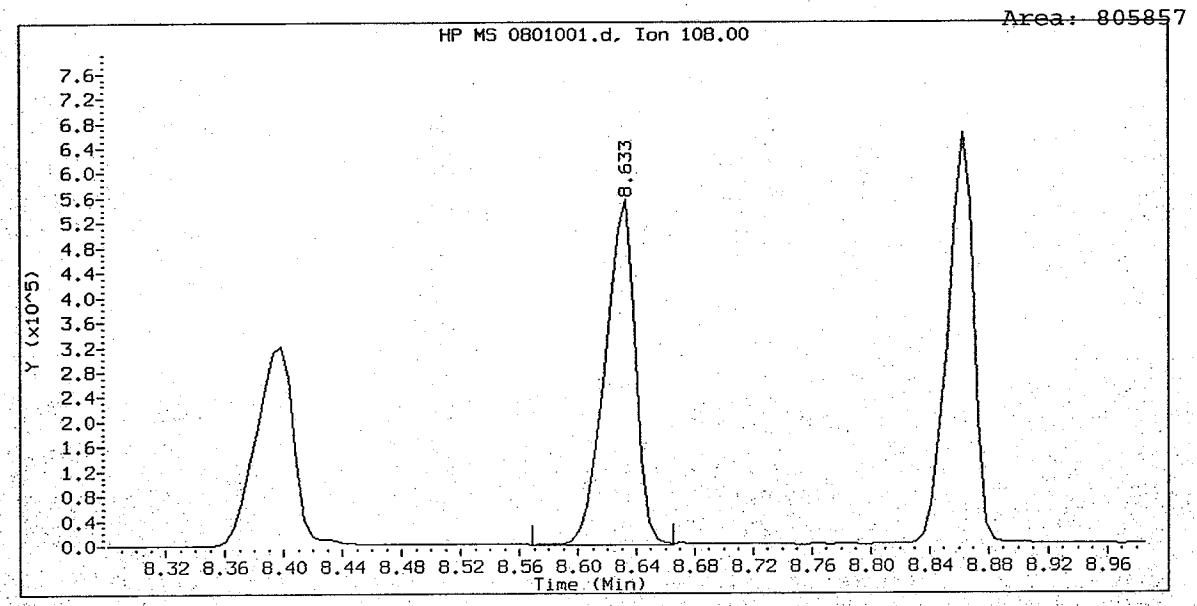
Instrument: nt4.i

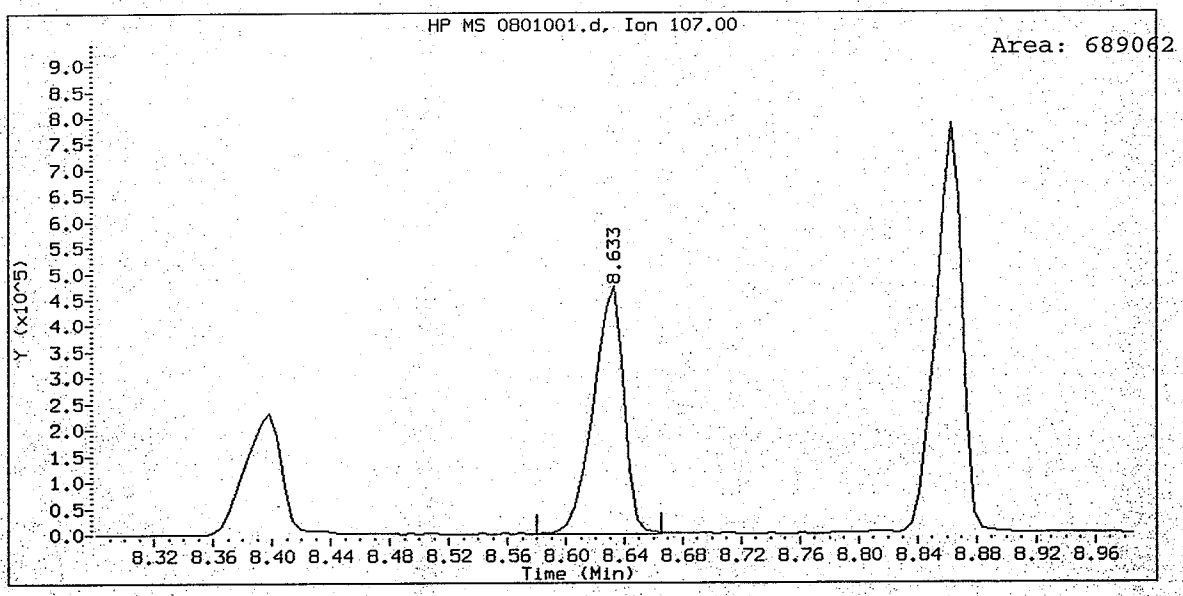
Operator: VTS
Column diameter: 0.32

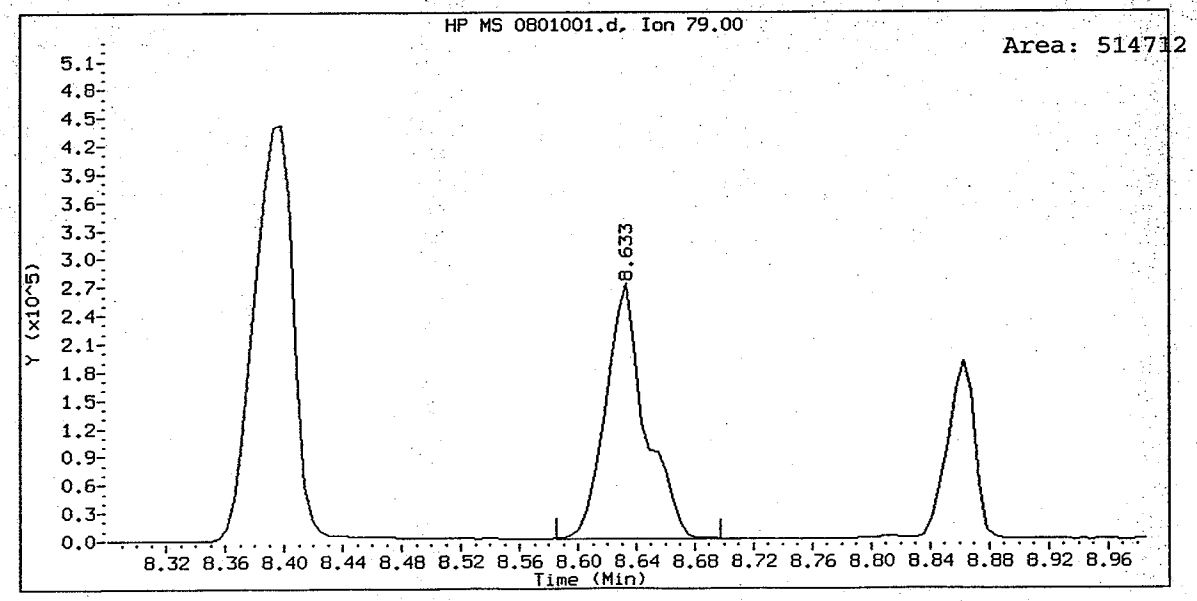
Column phase: ZB-5



ABN 80, /chem3/nt4.i/20071001.b/0801001.d
2-Methylphenol Amount: 75.08







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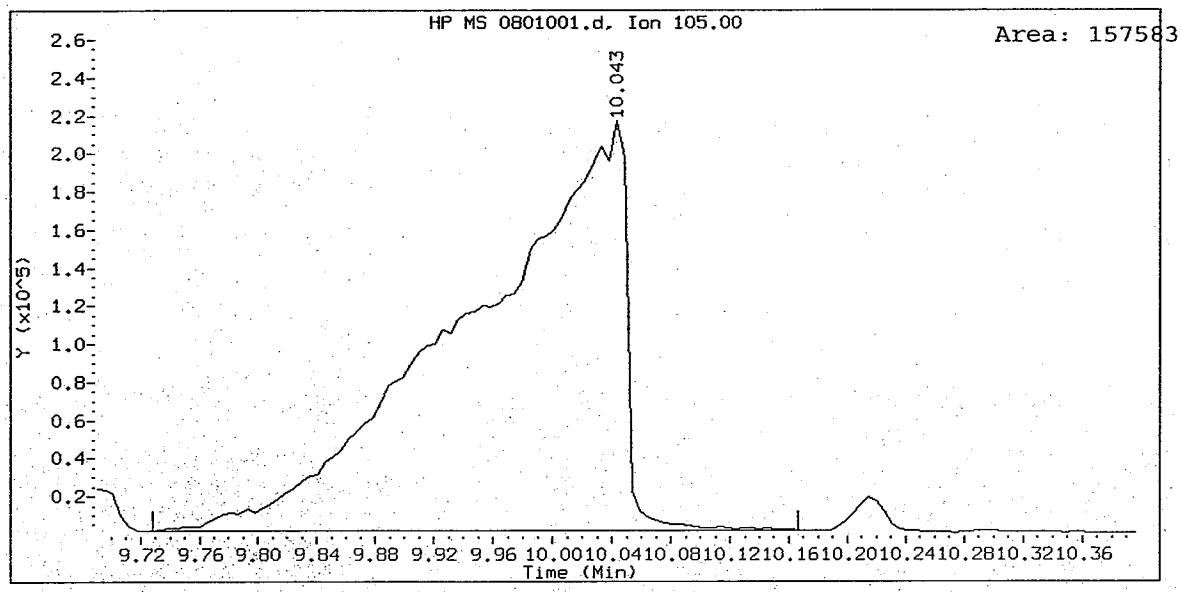
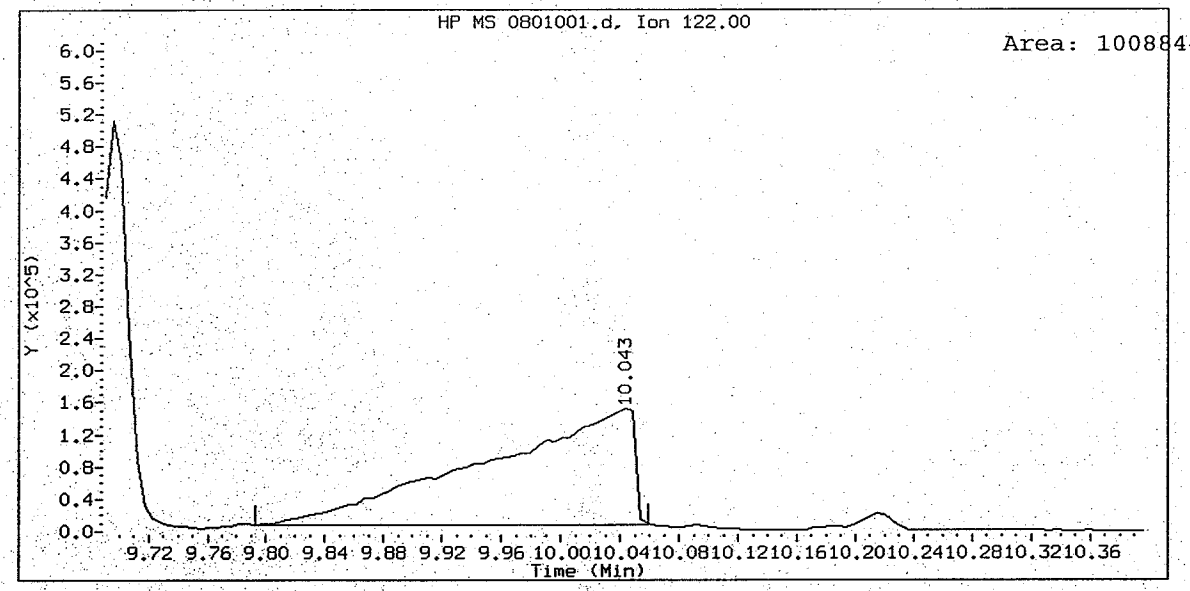
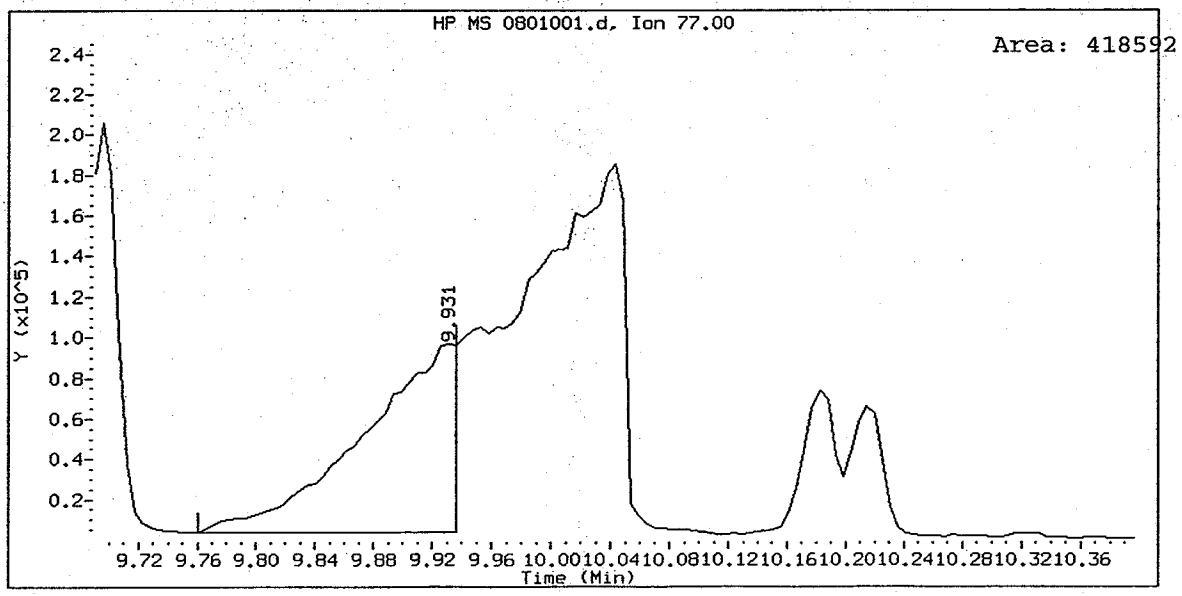
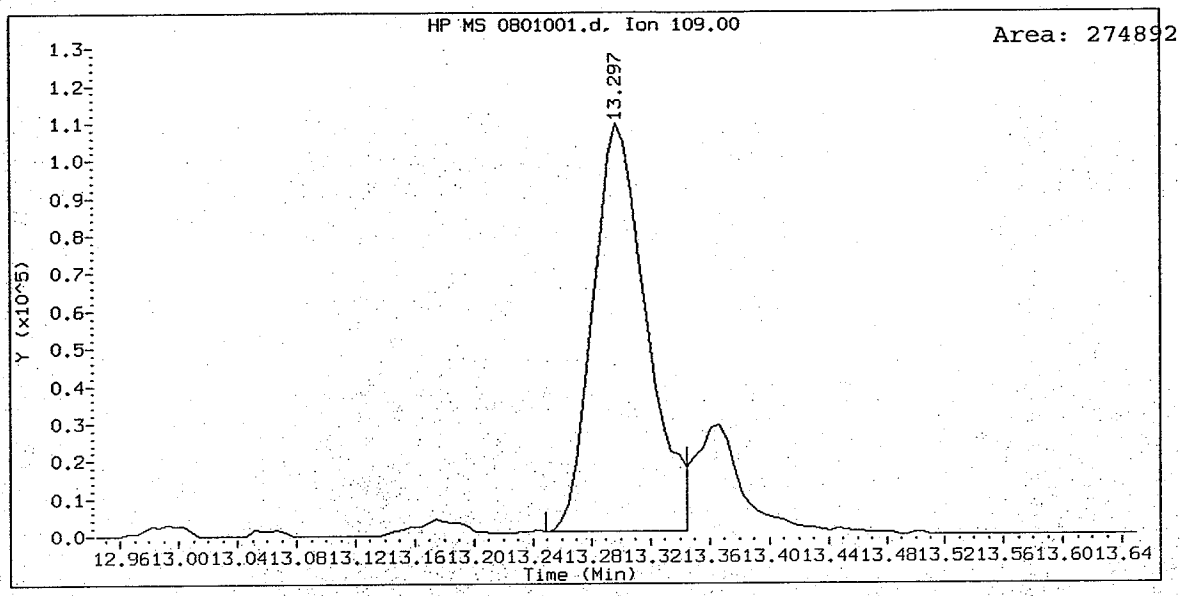
Benzoic acid Amount: 176.79

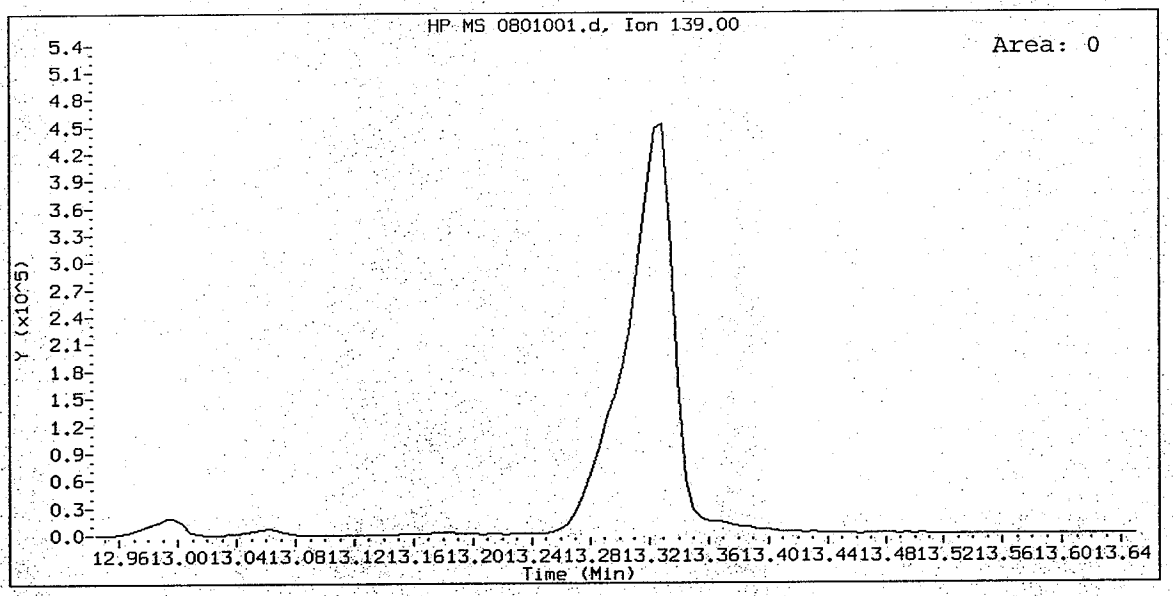


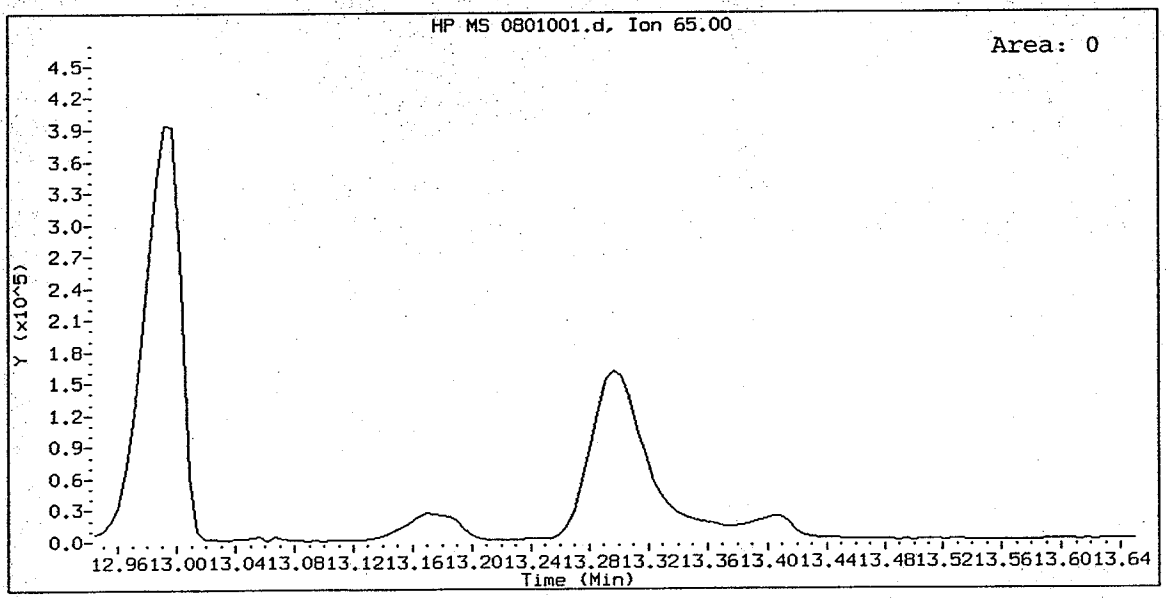




ABN 80, /chem3/nt4.i/20071001.b/0801001.d
4-Nitrophenol Amount: 74.50







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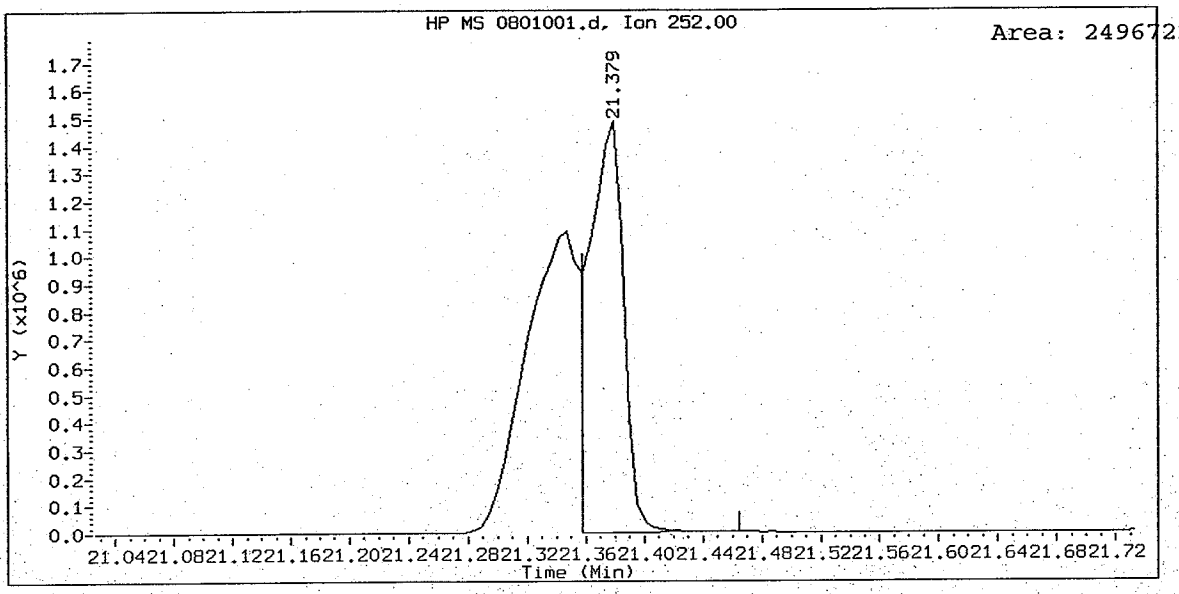
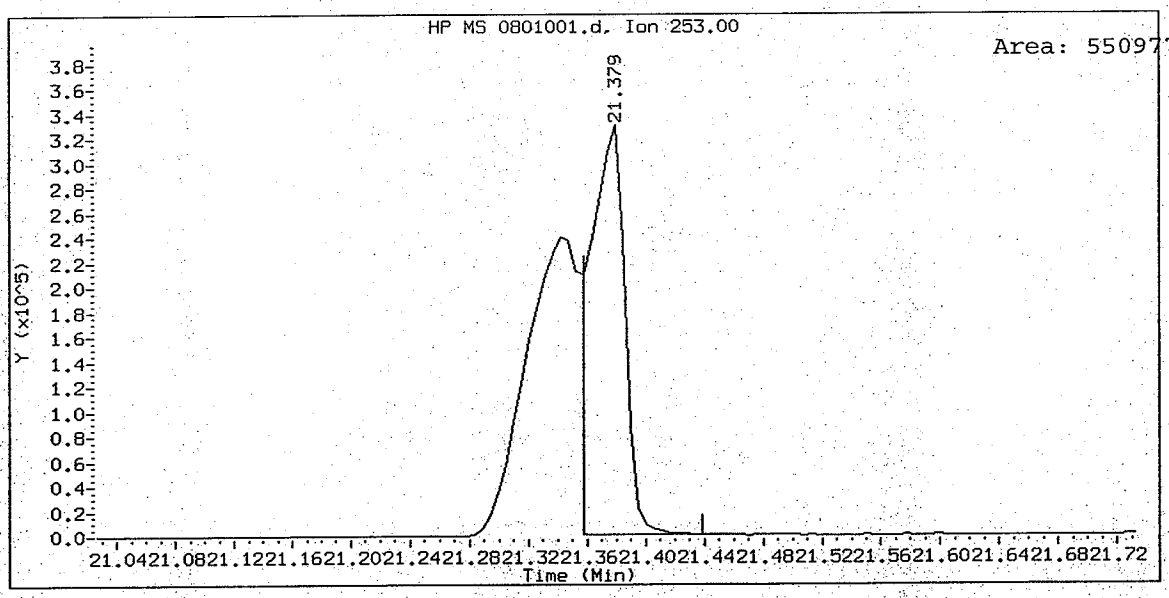
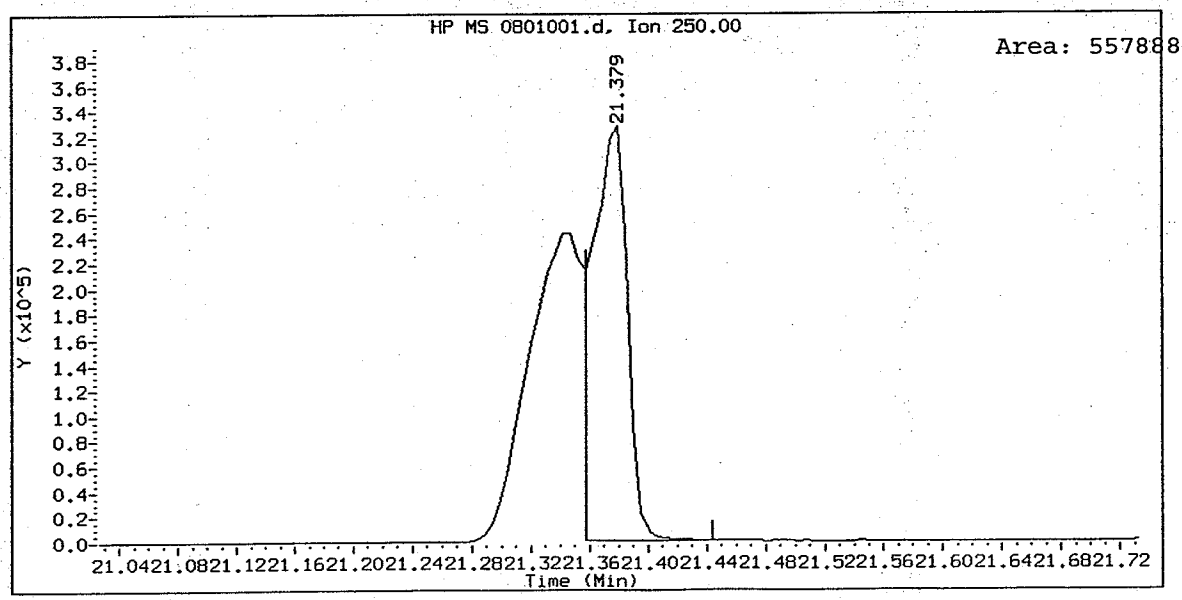
Benzo(k)fluoranthene Amount: 65.80







Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem3/nt4.i/20071001.b/icv1001.d
Lab Smp Id: ABN ICV
Client Smp ID: ABN ICV
Inj Date : 01-OCT-2007 13:54
Operator : VTS
Inst ID: nt4.i
Smp Info : ABN ICV
Misc Info :
Comment : 1ul Injection
Method : /chem3/nt4.i/20071001.b/SW846.m
Meth Date : 02-Oct-2007 10:17 jeff
Quant Type: ISTD
Cal Date : 01-OCT-2007 11:04
Cal File: 0801001.d
Als bottle: 7
QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE
Compound Sublist: ICV.sub
Target Version: 3.50

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/mL)
3	Phenol	94	7.682	7.709	(0.949)	326541	25.0363	25.04
4	Bis(2-Chloroethyl)ether	93	7.767	7.784	(0.959)	246550	24.5303	24.53
6	2-Chlorophenol	128	7.821	7.837	(0.966)	235797	25.1123	25.11
7	1,3-Dichlorobenzene	146	8.040	8.051	(0.993)	235459	24.4985	24.50
* 8	1,4-Dichlorobenzene-d4	152	8.098	8.110	(1.000)	115954	20.0000	
9	1,4-Dichlorobenzene	146	8.125	8.136	(1.003)	231789	23.9290	23.93
11	Benzyl alcohol	108	8.376	8.398	(1.034)	151830	25.5108	25.51
12	1,2-Dichlorobenzene	146	8.419	8.430	(1.040)	220432	24.2969	24.30
13	2-Methylphenol	108	8.611	8.633	(1.063)	222684	25.1857	25.19(H)
14	2,2'-oxybis(1-Chloropropane)	45	8.643	8.654	(1.067)	292735	24.0002	24.00
15	4-Methylphenol	108	8.841	8.863	(1.092)	228596	26.0656	26.07
16	N-Nitroso-di-n-propylamine	70	8.857	8.884	(1.094)	193789	24.3442	24.34
17	Hexachloroethane	117	8.910	8.916	(1.100)	112223	25.5145	25.51
19	Nitrobenzene	77	9.055	9.071	(0.893)	299336	22.5953	22.60
20	Isophorone	82	9.439	9.461	(0.930)	508949	24.3497	24.35
21	2-Nitrophenol	139	9.573	9.584	(0.944)	117837	23.5481	23.55
22	2,4-Dimethylphenol	107	9.685	9.696	(0.955)	249488	23.5505	23.55
23	Bis(2-Chloroethoxy)methane	93	9.829	9.846	(0.969)	283538	22.6027	22.60
24	Benzoic acid	105	9.915	10.043	(0.977)	392130	51.3733	51.37(M)
25	2,4-Dichlorophenol	162	9.952	9.969	(0.981)	171436	23.9768	23.98
26	1,2,4-Trichlorobenzene	180	10.086	10.091	(0.994)	197542	23.3715	23.37
* 27	Naphthalene-d8	136	10.144	10.150	(1.000)	453229	20.0000	
28	Naphthalene	128	10.171	10.182	(1.003)	662133	23.7964	23.80
29	4-Chloroaniline	127	10.310	10.326	(1.016)	289913	24.7338	24.73
30	Hexachlorobutadiene	225	10.497	10.497	(1.035)	114413	23.3809	23.38
31	4-Chloro-3-methylphenol	107	11.122	11.133	(1.096)	229782	26.0248	26.02
32	2-Methylnaphthalene	141	11.293	11.299	(1.113)	362730	25.5906	25.59

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/mL)
	33 Hexachlorocyclopentadiene	237	11.678	11.678	(0.898)	116644	25.1547	25.15
	34 2,4,6-Trichlorophenol	196	11.806	11.817	(0.908)	134334	26.1939	26.19
	35 2,4,5-Trichlorophenol	196	11.859	11.870	(0.912)	133759	24.3647	24.36
	37 2-Chloronaphthalene	162	12.073	12.079	(0.928)	395736	23.6634	23.66
	38 2-Nitroaniline	65	12.297	12.314	(0.946)	181912	25.0072	25.01
	39 Dimethylphthalate	163	12.677	12.693	(0.975)	444021	24.3942	24.39
	40 Acenaphthylene	152	12.746	12.757	(0.980)	609953	24.3703	24.37
	41 2,6-Dinitrotoluene	165	12.767	12.784	(0.982)	100933	24.2602	24.26
*	42 Acenaphthene-d10	164	13.002	13.008	(1.000)	255917	20.0000	
	43 3-Nitroaniline	138	12.976	12.998	(0.998)	119597	24.4477	24.45
	44 Acenaphthene	153	13.051	13.062	(1.004)	387395	23.3163	23.32
	45 2,4-Dinitrophenol	184	13.141	13.169	(1.011)	107676	46.4768	46.48
	46 Dibenzofuran	168	13.312	13.329	(1.024)	528192	24.4088	24.41
	47 4-Nitrophenol	109	13.275	13.297	(1.021)	95833	24.4958	24.50
	48 2,4-Dinitrotoluene	165	13.392	13.409	(1.030)	134736	24.4981	24.50
	49 Fluorene	166	13.868	13.879	(1.067)	441167	23.8919	23.89
	50 Diethylphthalate	149	13.836	13.852	(1.064)	435415	24.3822	24.38
	51 4-Chlorophenyl-phenylether	204	13.895	13.900	(1.069)	212278	23.4397	23.44
	52 4-Nitroaniline	138	13.969	14.007	(1.074)	120773	24.7226	24.72
	53 4,6-Dinitro-2-methylphenol	198	14.050	14.077	(0.914)	161431	50.5626	50.56
	54 N-Nitrosodiphenylamine	169	14.098	14.114	(0.917)	305478	31.6571	31.66
	56 4-Bromophenyl-phenylether	248	14.675	14.686	(0.954)	115660	23.7267	23.73
	57 Hexachlorobenzene	284	14.899	14.905	(0.969)	121542	23.9830	23.98
	58 Pentachlorophenol	266	15.187	15.204	(0.988)	76512	25.8378	25.84
*	59 Phenanthrene-d10	188	15.374	15.380	(1.000)	392657	20.0000	
	60 Phenanthrene	178	15.412	15.423	(1.002)	640351	23.5967	23.60
	61 Anthracene	178	15.481	15.492	(1.007)	662863	24.1558	24.16
	62 Carbazole	167	15.764	15.775	(1.025)	581149	24.7517	24.75
	63 Di-n-butylphthalate	149	16.480	16.491	(1.072)	716986	25.4045	25.40
	64 Fluoranthene	202	17.346	17.357	(1.128)	713465	24.2836	24.28
	65 Pyrene	202	17.698	17.715	(0.899)	726015	25.4402	25.44
	67 Butylbenzylphthalate	149	18.900	18.911	(0.960)	312517	26.1205	26.12
	68 Benzo(a)anthracene	228	19.659	19.675	(0.999)	631614	23.8654	23.87
*	69 Chrysene-d12	240	19.685	19.702	(1.000)	356097	20.0000	
	70 3,3'-Dichlorobenzidine	252	19.669	19.686	(0.999)	222280	23.6525	23.65
	71 Chrysene	228	19.728	19.750	(1.002)	609934	23.4290	23.43
	72 bis(2-Ethylhexyl)phthalate	149	19.899	19.905	(0.955)	425519	26.2869	26.29
*	134 Di-n-octylphthalate-d4	153	20.829	20.840	(1.000)	513773	20.0000	
	73 Di-n-octylphthalate	149	20.839	20.851	(1.000)	714501	24.1426	24.14
	74 Benzo(b)fluoranthene	252	21.315	21.347	(0.976)	609033	24.4069	24.41
	75 Benzo(k)fluoranthene	252	21.347	21.379	(0.977)	642525	24.3748	24.37
	76 Benzo(a)pyrene	252	21.764	21.791	(0.997)	591810	26.6309	26.63
*	77 Perylene-d12	264	21.838	21.849	(1.000)	366502	20.0000	
	78 Indeno(1,2,3-cd)pyrene	276	23.356	23.393	(1.069)	623136	25.5109	25.51
	79 Dibenzo(a,h)anthracene	278	23.382	23.425	(1.071)	520041	25.9225	25.92
	80 Benzo(g,h,i)perylene	276	23.778	23.826	(1.089)	561567	25.5239	25.52
	103 Pyridine	79	3.429	3.430	(0.423)	318459	27.8533	27.85