Analytical Resources, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 01-OCT-2007 10:31
End Cal Date : 01-OCT-2007 13:20
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem3/nt4.i/20071001.b/SW846.m
Cal Date : 02-Oct-2007 10:17 jeff
Curve Type : Average

	Compound	1.000 Level 1	5.000 Level 2	10.000 Level 3	25.000 Level 4	40.000 Level 5	80.000 Level 6	RRF	% RSD	
	99 Perylene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
	100 3-beta-Coprostanol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
	101 Cholesterol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
	102 beta-Sitosterol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
	103 Pyridine	+++++	2.14119	2.04223	2.01152	1.93240	1.73297	1.97206	7.766	
$	1 2-Fluorophenol	+++++	1.88302	1.69149	1.74238	1.67812	1.46665	1.69233	8.864	
$	137 d8-1,4-Dioxane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
$	2 Phenol-d5	+++++	2.06120	1.99557	1.92864	1.87295	1.61275	1.89422	9.106	
$	5 2-Chlorophenol-d4	+++++	1.52867	1.46411	1.40120	1.37721	1.25426	1.40509	7.318	
$	10 1,2-Dichlorobenzene-d4	+++++	1.00474	0.92855	0.89193	0.87365	0.82159	0.90409	7.544	
$	18 Nitrobenzene-d5	+++++	0.59304	0.55085	0.49975	0.50472	0.48950	0.52757	8.248	
$	36 2-Fluorobiphenyl	+++++	1.54406	1.39457	1.33322	1.31819	1.31483	1.38098	7.000	
$	55 2,4,6-Tribromophenol	+++++	0.15770	0.17763	0.17844	0.17750	0.16957	0.17217	5.143	
$	66 Terphenyl-d14	+++++	1.03577	0.94504	0.89021	0.93935	0.81612	0.92530	8.703	
$	85 p-Cresol-d4	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
$	86 Anthracene-d10	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
$	87 Fluoranthene-d10	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
$	88 Dibenz(a,h)anthracene-d14	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
$	89 Diphenyl-d10	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
$	95 D10-1-methylnaphthalene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem3/nt4.i/20071001.b/0011001.d
Lab Smp Id: ABN 1 Client Smp ID: ABN 1
Inj Date : 01-OCT-2007 11:38
Operator : VTS Inst ID: nt4.i
Smp Info : ABN 1
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 11:38 Cal File: 0011001.d
Als bottle: 3 Calibration Sample, Level: 1
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)	ON-COL (ug/mL)
$	1 2-Fluorophenol	112	6.133	6.144	(0.757)	10368	1.00000	0.9662
$	2 Phenol-d5	99	7.656	7.687	(0.945)	12308	1.00000	1.025
	3 Phenol	94	7.677	7.709	(0.948)	14183	1.00000	0.9943
$	5 2-Chlorophenol-d4	132	7.795	7.810	(0.962)	8562	1.00000	0.9610
	4 Bis(2-Chloroethyl)ether	93	7.768	7.784	(0.959)	11596	1.00000	1.055
	6 2-Chlorophenol	128	7.821	7.837	(0.966)	10711	1.00000	1.043
	7 1,3-Dichlorobenzene	146	8.035	8.051	(0.992)	11166	1.00000	1.062
*	8 1,4-Dichlorobenzene-d4	152	8.099	8.110	(1.000)	126812	20.0000	
	9 1,4-Dichlorobenzene	146	8.121	8.136	(1.003)	10669	1.00000	1.007
$	10 1,2-Dichlorobenzene-d4	152	8.398	8.409	(1.037)	5783	1.00000	1.009 (M)
	12 1,2-Dichlorobenzene	146	8.420	8.430	(1.040)	10272	1.00000	1.035
	11 Benzyl alcohol	108	8.372	8.398	(1.034)	5269	1.00000	0.8095
	14 2,2'-oxybis(1-Chloropropane)	45	8.639	8.654	(1.067)	13152	1.00000	0.9860
	13 2-Methylphenol	108	8.607	8.633	(1.063)	8982	1.00000	0.9532 (H)
	17 Hexachloroethane	117	8.906	8.916	(1.100)	4473	1.00000	0.9299
	16 N-Nitroso-di-n-propylamine	70	8.847	8.884	(1.092)	9145	1.00000	1.050
	15 4-Methylphenol	108	8.842	8.863	(1.092)	8512	1.00000	0.8875
$	18 Nitrobenzene-d5	82	9.018	9.044	(0.889)	12171	1.00000	1.054
	19 Nitrobenzene	77	9.050	9.071	(0.893)	13873	1.00000	1.084
	20 Isophorone	82	9.429	9.461	(0.930)	20315	1.00000	1.006
	21 2-Nitrophenol	139	9.568	9.584	(0.944)	4204	1.00000	0.8699
	22 2,4-Dimethylphenol	107	9.675	9.696	(0.954)	9885	1.00000	0.9662
	23 Bis(2-Chloroethoxy)methane	93	9.825	9.846	(0.969)	12715	1.00000	1.050
	24 Benzoic acid	105	9.771	10.043	(0.964)	3911	5.00000	0.5306
	25 2,4-Dichlorophenol	162	9.948	9.969	(0.981)	5658	1.00000	0.8194
	26 1,2,4-Trichlorobenzene	180	10.081	10.091	(0.994)	8198	1.00000	1.004
*	27 Naphthalene-d8	136	10.140	10.150	(1.000)	437688	20.0000	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
	28 Naphthalene	128	10.172	10.182	(1.003)	28834	1.00000	1.073
	29 4-Chloroaniline	127	10.311	10.326	(1.017)	10251	1.00000	0.9056
	30 Hexachlorobutadiene	225	10.492	10.497	(1.035)	4604	1.00000	0.9743
	31 4-Chloro-3-methylphenol	107	11.117	11.133	(1.096)	5174	1.00000	0.6068
	32 2-Methylnaphthalene	141	11.288	11.299	(1.113)	13598	1.00000	0.9934
	33 Hexachlorocyclopentadiene	237	11.673	11.678	(0.898)	1988	1.00000	0.4745
	34 2,4,6-Trichlorophenol	196	11.807	11.817	(0.908)	3630	1.00000	0.7834
	35 2,4,5-Trichlorophenol	196	11.860	11.870	(0.912)	3668	1.00000	0.7395
$	36 2-Fluorobiphenyl	172	11.929	11.945	(0.918)	16436	1.00000	1.029
	37 2-Chloronaphthalene	162	12.068	12.079	(0.928)	15487	1.00000	1.025
	38 2-Nitroaniline	65	12.298	12.314	(0.946)	4228	1.00000	0.6433
	39 Dimethylphthalate	163	12.667	12.693	(0.975)	16320	1.00000	0.9923
	40 Acenaphthylene	152	12.741	12.757	(0.980)	22218	1.00000	0.9825
	41 2,6-Dinitrotoluene	165	12.763	12.784	(0.982)	2756	1.00000	0.7332
*	42 Acenaphthene-d10	164	12.998	13.008	(1.000)	231228	20.0000	
	43 3-Nitroaniline	138	12.966	12.998	(0.998)	2897	1.00000	0.6554 (M)
	44 Acenaphthene	153	13.046	13.062	(1.004)	15669	1.00000	1.044
	45 2,4-Dinitrophenol	184	Compound Not Detected.					
	46 Dibenzofuran	168	13.308	13.329	(1.024)	20108	1.00000	1.028
	47 4-Nitrophenol	109	13.276	13.297	(1.021)	1270	1.00000	0.4067
	48 2,4-Dinitrotoluene	165	13.388	13.409	(1.030)	3368	1.00000	0.6778
	50 Diethylphthalate	149	13.821	13.852	(1.063)	15974	1.00000	0.9900
	49 Fluorene	166	13.863	13.879	(1.067)	16261	1.00000	0.9747
	51 4-Chlorophenyl-phenylether	204	13.890	13.900	(1.069)	8243	1.00000	1.007
	52 4-Nitroaniline	138	13.959	14.007	(1.074)	3190	1.00000	0.7227
	53 4,6-Dinitro-2-methylphenol	198	14.040	14.077	(0.913)	1055	5.00000	0.3759
	54 N-Nitrosodiphenylamine	169	14.093	14.114	(0.917)	7571	1.00000	0.8925
$	55 2,4,6-Tribromophenol	330	14.285	14.301	(1.099)	864	1.00000	0.4341
	56 4-Bromophenyl-phenylether	248	14.675	14.686	(0.955)	4271	1.00000	0.9967
	57 Hexachlorobenzene	284	14.889	14.905	(0.969)	4458	1.00000	1.001
	58 Pentachlorophenol	266	15.188	15.204	(0.988)	509	1.00000	0.1955
*	59 Phenanthrene-d10	188	15.370	15.380	(1.000)	345165	20.0000	
	60 Phenanthrene	178	15.407	15.423	(1.002)	25247	1.00000	1.058
	61 Anthracene	178	15.477	15.492	(1.007)	24991	1.00000	1.036
	62 Carbazole	167	15.760	15.775	(1.025)	20460	1.00000	0.9913
	63 Di-n-butylphthalate	149	16.481	16.491	(1.072)	22266	1.00000	0.8975
	64 Fluoranthene	202	17.341	17.357	(1.128)	25147	1.00000	0.9737
	65 Pyrene	202	17.694	17.715	(0.899)	27822	1.00000	1.028
$	66 Terphenyl-d14	244	18.014	18.025	(0.915)	15577	1.00000	0.9967
	67 Butylbenzylphthalate	149	18.901	18.911	(0.960)	9512	1.00000	0.8381
	68 Benzo(a)anthracene	228	19.654	19.675	(0.999)	24331	1.00000	0.9691
*	69 Chrysene-d12	240	19.681	19.702	(1.000)	337796	20.0000	
	70 3,3'-Dichlorobenzidine	252	19.660	19.686	(0.999)	8074	1.00000	0.9057
	71 Chrysene	228	19.718	19.750	(1.002)	26608	1.00000	1.077
	72 bis(2-Ethylhexyl)phthalate	149	19.895	19.905	(0.955)	12215	1.00000	0.8211
*	134 Di-n-octylphthalate-d4	153	20.829	20.840	(1.000)	472142	20.0000	
	73 Di-n-octylphthalate	149	20.840	20.851	(1.000)	28893	1.00000	1.062

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
74	Benzo(b)fluoranthene	252	21.310	21.347	(0.976)	25545	1.00000	1.050
75	Benzo(k)fluoranthene	252	21.342	21.379	(0.977)	26174	1.00000	1.019
76	Benzo(a)pyrene	252	21.754	21.791	(0.996)	20217	1.00000	0.9332
* 77	Perylene-d12	264	21.839	21.849	(1.000)	357295	20.0000	
78	Indeno(1,2,3-cd)pyrene	276	23.351	23.393	(1.069)	19863	1.00000	0.8341(M)
79	Dibenzo(a,h)anthracene	278	23.367	23.425	(1.070)	15527	1.00000	0.7939(M)
80	Benzo(g,h,i)perylene	276	23.757	23.826	(1.088)	19969	1.00000	0.9310
90	N-Nitrosodimethylamine	74	3.457	3.483	(0.427)	8457	1.00000	1.085
103	Pyridine	79	3.468	3.430	(0.428)	10139	1.00000	0.8109
91	Aniline	93	7.650	7.666	(0.945)	17526	1.00000	1.030
105	1-methylnaphthalene	141	11.459	11.470	(1.130)	14332	1.00000	1.034
93	Benzidine	184	17.592	17.602	(0.894)	11164	1.00000	0.9895
111	Azobenzene (1,2-DP-Hydrazine)	77	14.141	14.157	(1.088)	22310	1.00000	0.9968
144	alpha-Terpineol	59	10.193	10.214	(1.005)	7368	1.00000	0.9468
143	1,4-Dioxane	88	Compound Not Detected.					
$ 137	d8-1,4-Dioxane	96	Compound Not Detected.					
133	Butylatedhydroxytoluene	205	13.180	13.185	(1.014)	13725	1.00000	1.053
115	Tributyl Phosphate	99	14.189	14.221	(0.923)	19780	1.00000	0.9237
116	Dibutyl Phenyl Phosphate	175	15.920	15.930	(1.036)	9785	1.00000	0.8350
117	Butyl Diphenyl Phosphate	94	17.613	17.619	(0.895)	4422	1.00000	0.8356
118	Triphenyl Phosphate	326	19.211	19.226	(0.976)	3208	1.00000	0.8623
123	Acetophenone	105	8.788	8.809	(1.085)	13895	1.00000	1.015
170	Pentachlorobenzene	250	13.356	13.366	(1.028)	5841	1.00000	1.049

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: 0011001.d
Lab Smp Id: ABN 1
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 1
Level:
Sample Type:

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	110324	55162	220648	126812	14.95
27 Naphthalene-d8	430280	215140	860560	437688	1.72
42 Acenaphthene-d10	242988	121494	485976	231228	-4.84
59 Phenanthrene-d10	380514	190257	761028	345165	-9.29
69 Chrysene-d12	406554	203277	813108	337796	-16.91
134 Di-n-octylphthala	598971	299486	1197942	472142	-21.17
77 Perylene-d12	429313	214656	858626	357295	-16.78

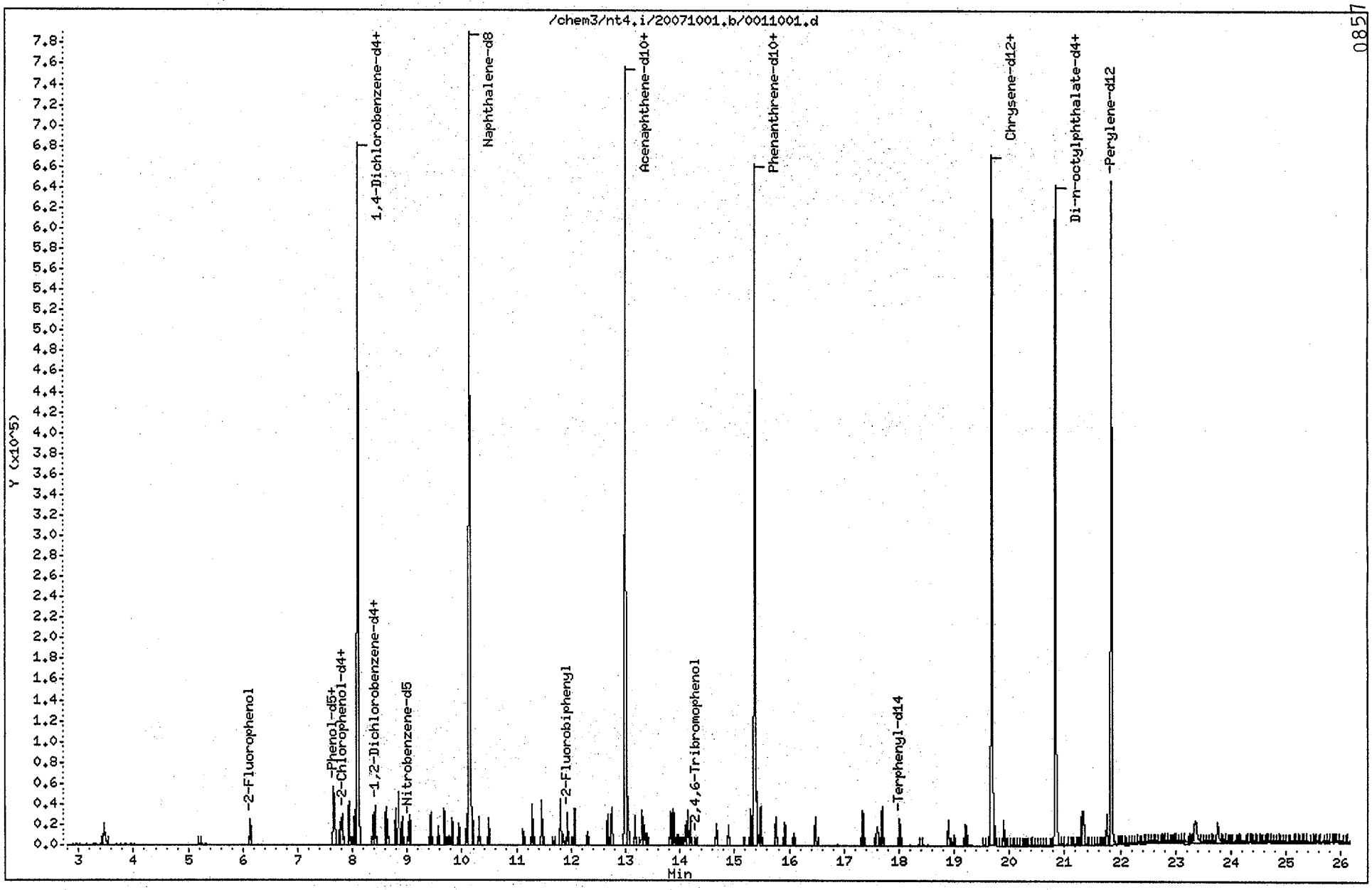
		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	8.10	7.60	8.60	8.10	-0.05
27 Naphthalene-d8	10.14	9.64	10.64	10.14	-0.04
42 Acenaphthene-d10	13.00	12.50	13.50	13.00	-0.03
59 Phenanthrene-d10	15.37	14.87	15.87	15.37	-0.03
69 Chrysene-d12	19.69	19.19	20.19	19.68	-0.05
134 Di-n-octylphthala	20.83	20.33	21.33	20.83	-0.02
77 Perylene-d12	21.84	21.34	22.34	21.84	-0.02

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.

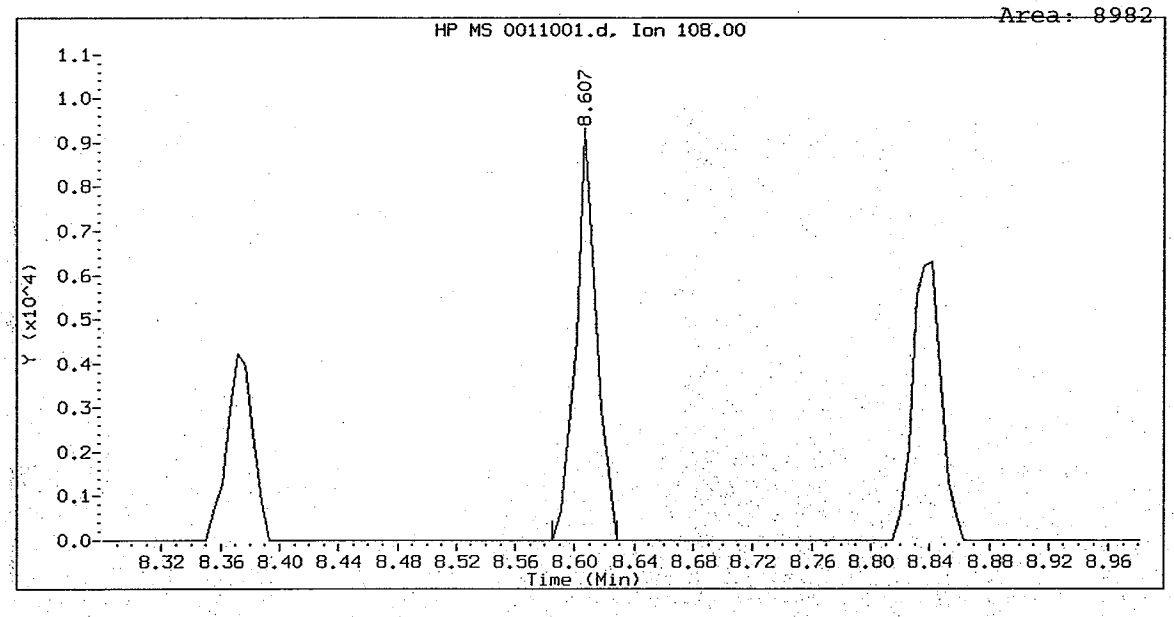
Data File: /chem3/nt4.i/20071001.b/0011001.d
Date : 01-OCT-2007 11:38
Client ID: ABN 1
Sample Info: ABN 1

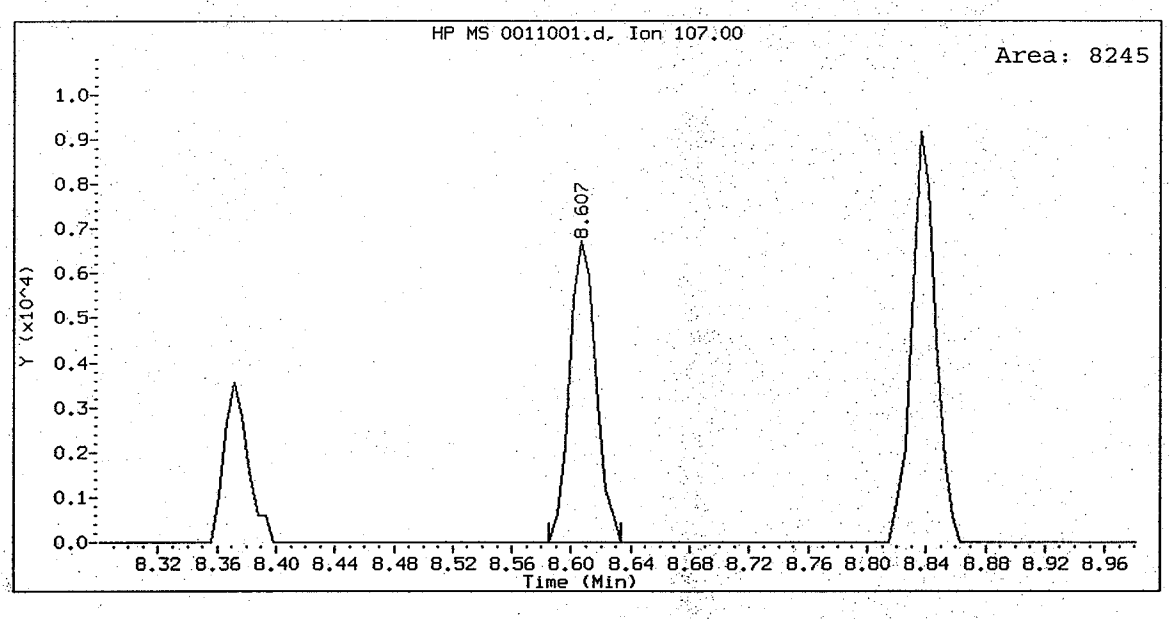
Instrument: nt4.i
Operator: VTS
Column diameter: 0.32

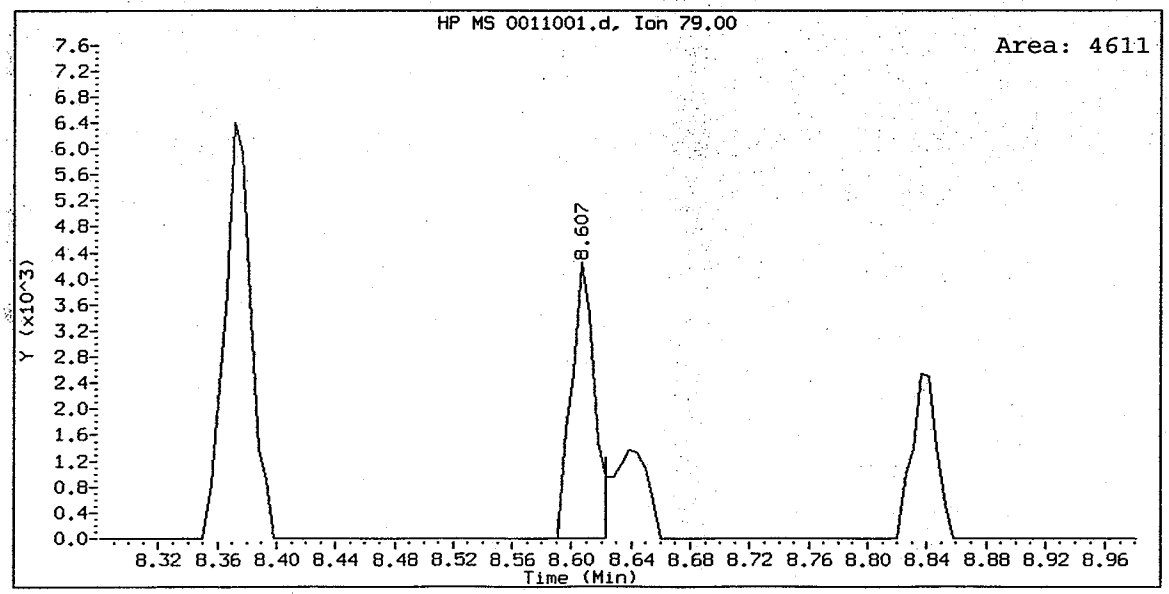
Column phase: ZB-5



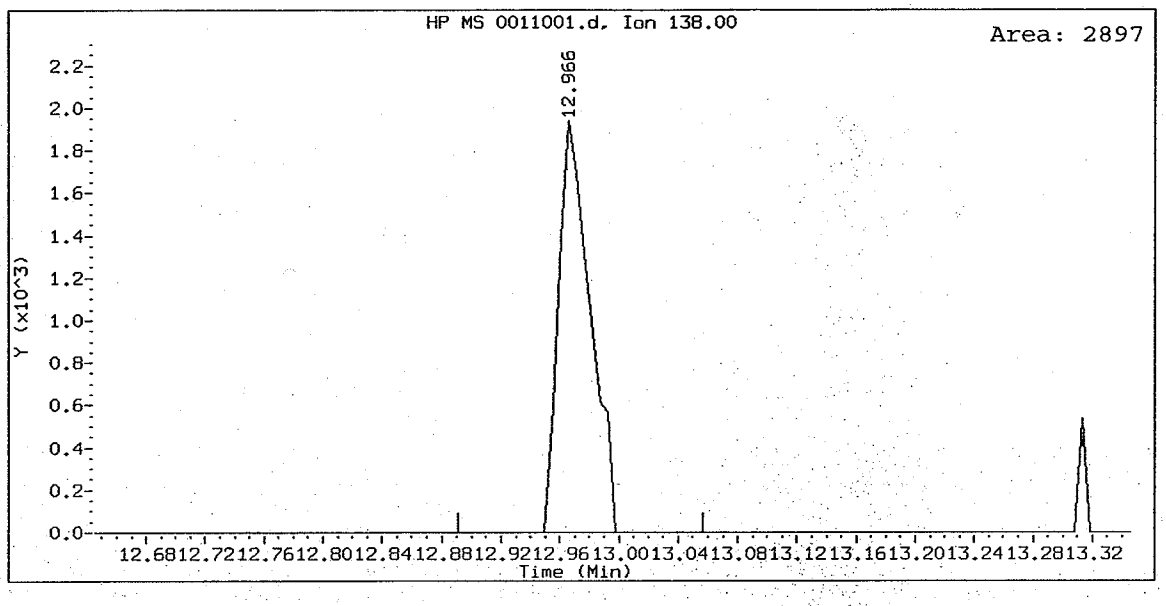
ABN 1, /chem3/nt4.i/20071001.b/0011001.d
2-Methylphenol Amount: 0.95

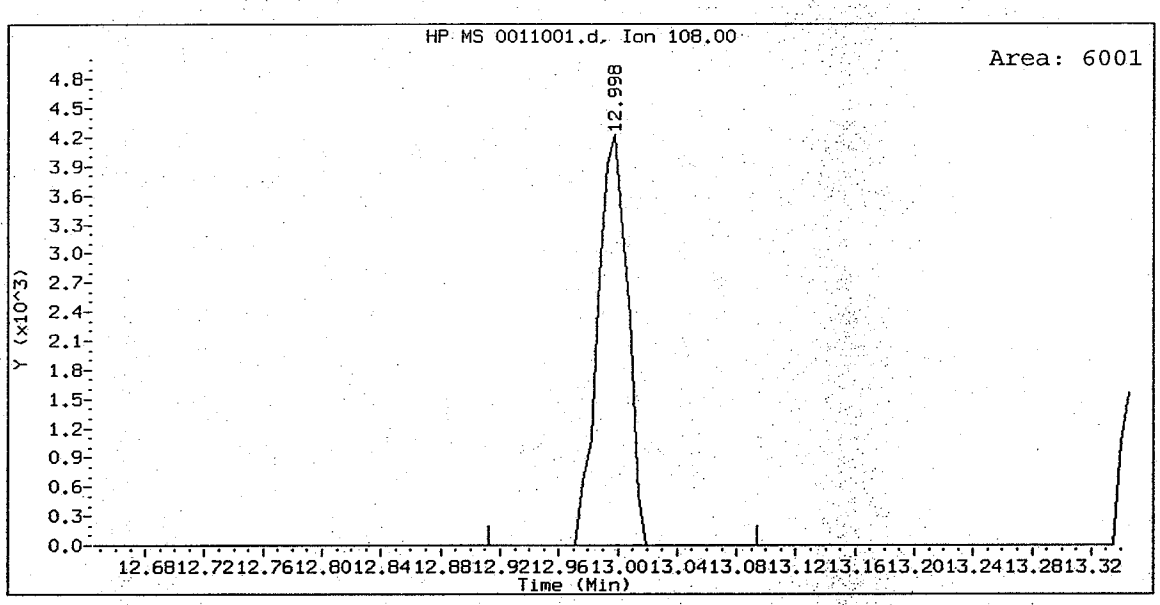


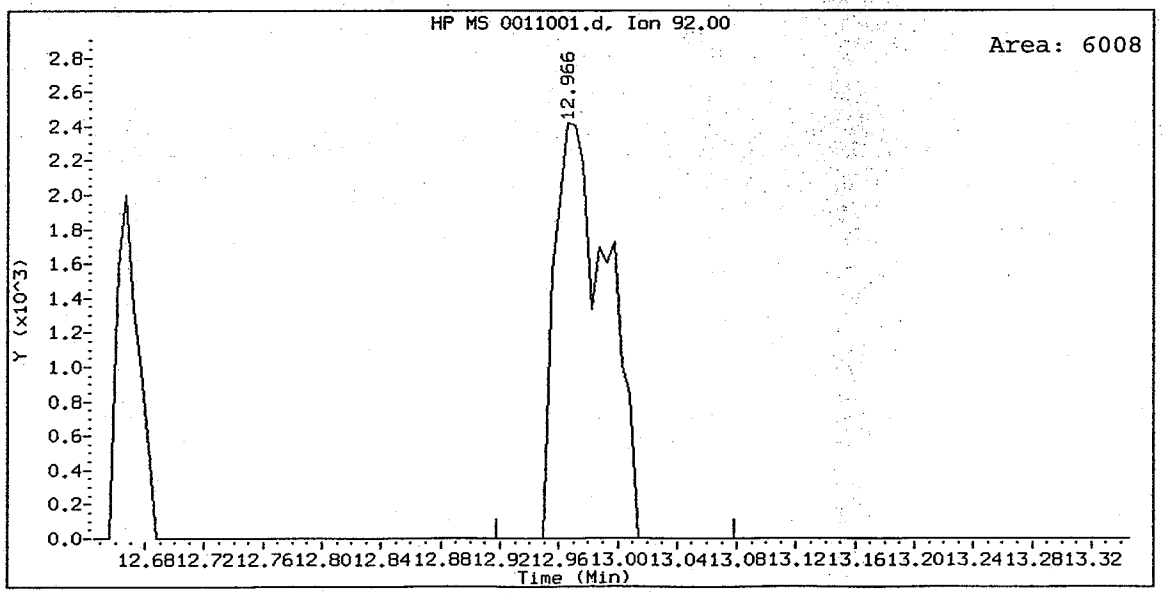




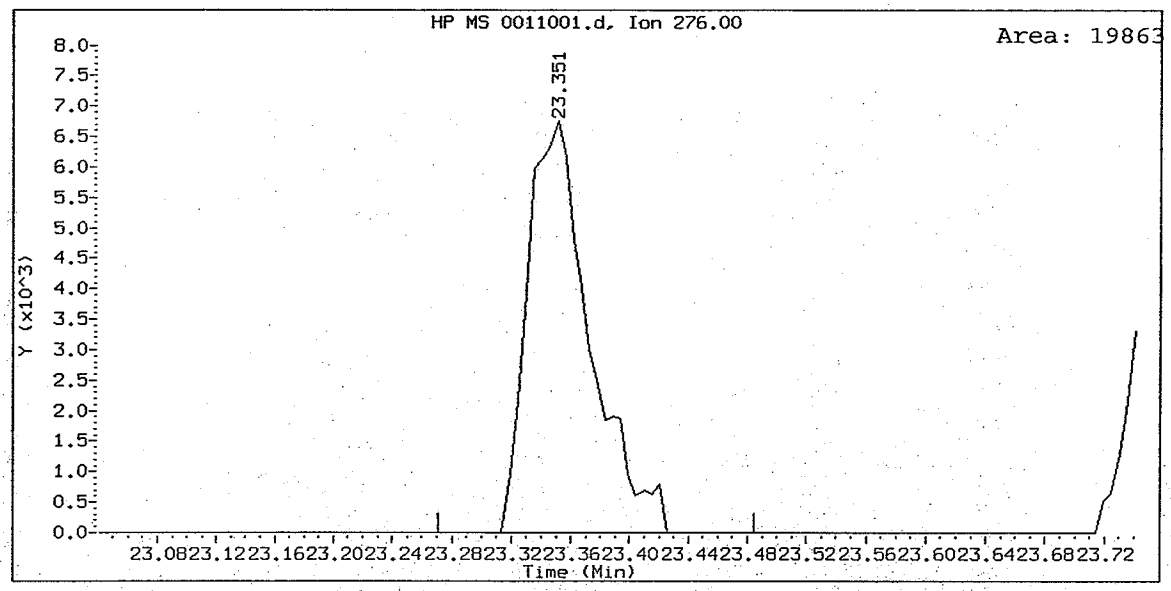
ABN 1, /chem3/nt4.i/20071001.b/0011001.d
3-Nitroaniline Amount: 0.66

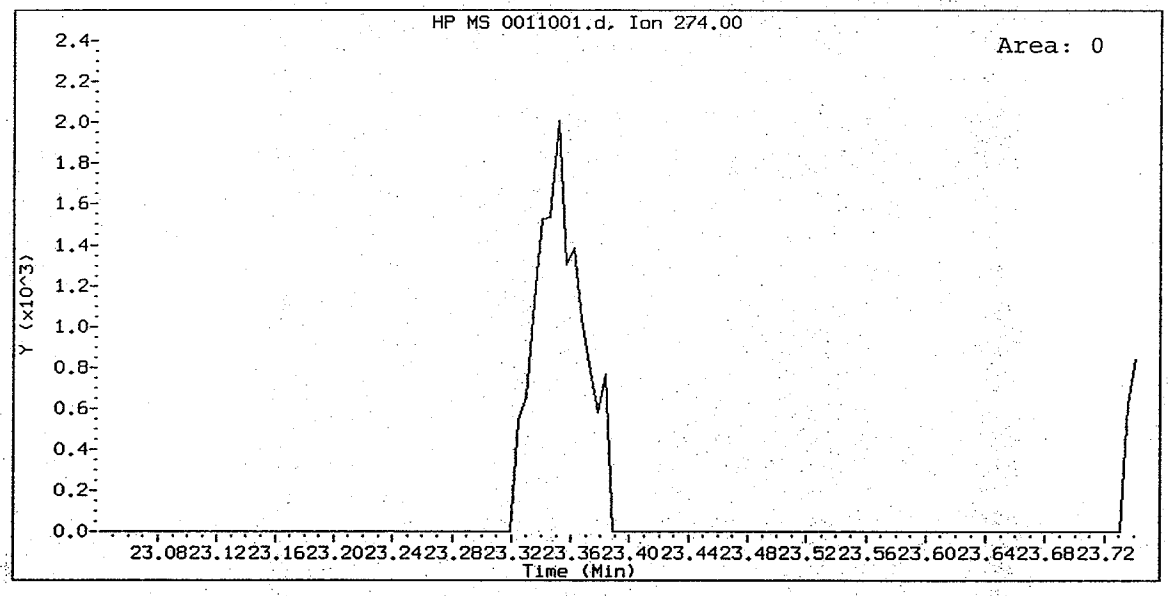


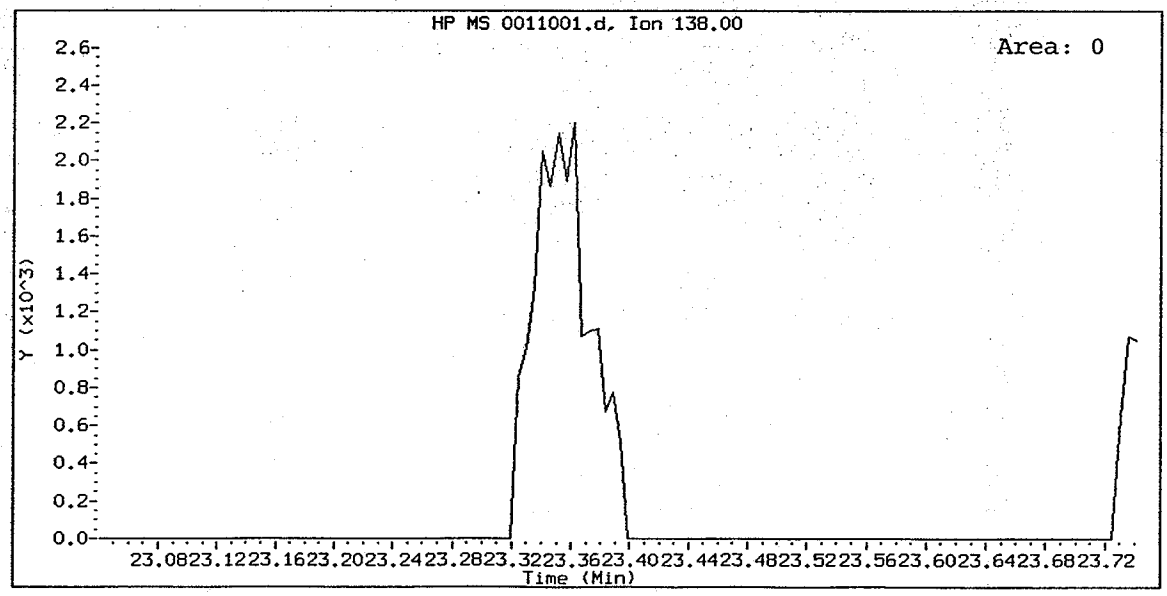




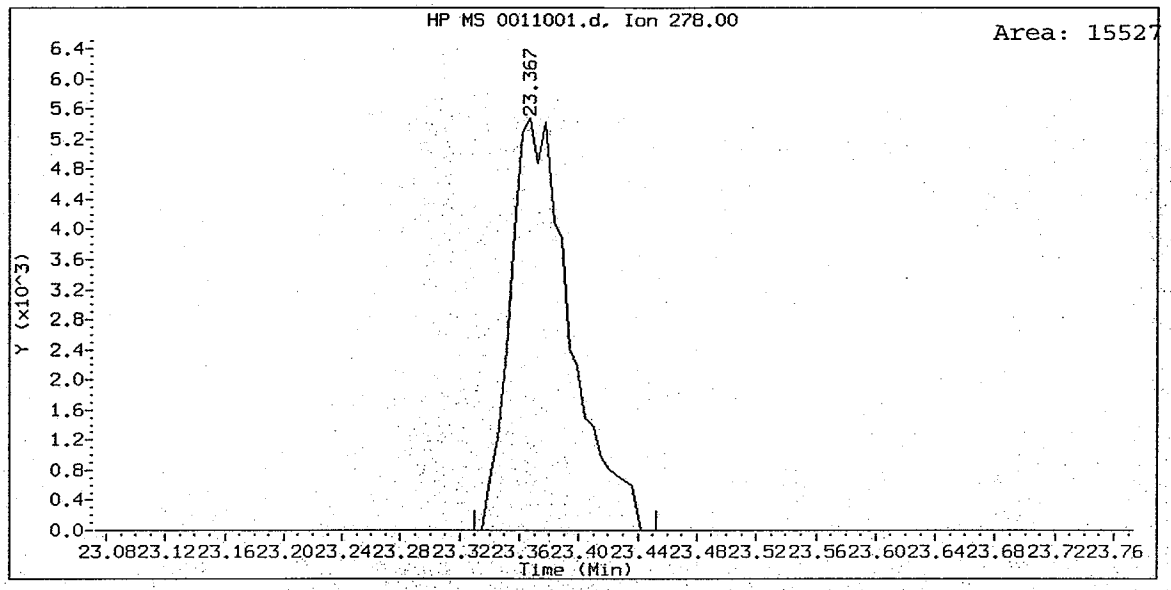
ABN 1, /chem3/nt4.i/20071001.b/0011001.d
Indeno(1,2,3-cd)pyrene Amount: 0.83

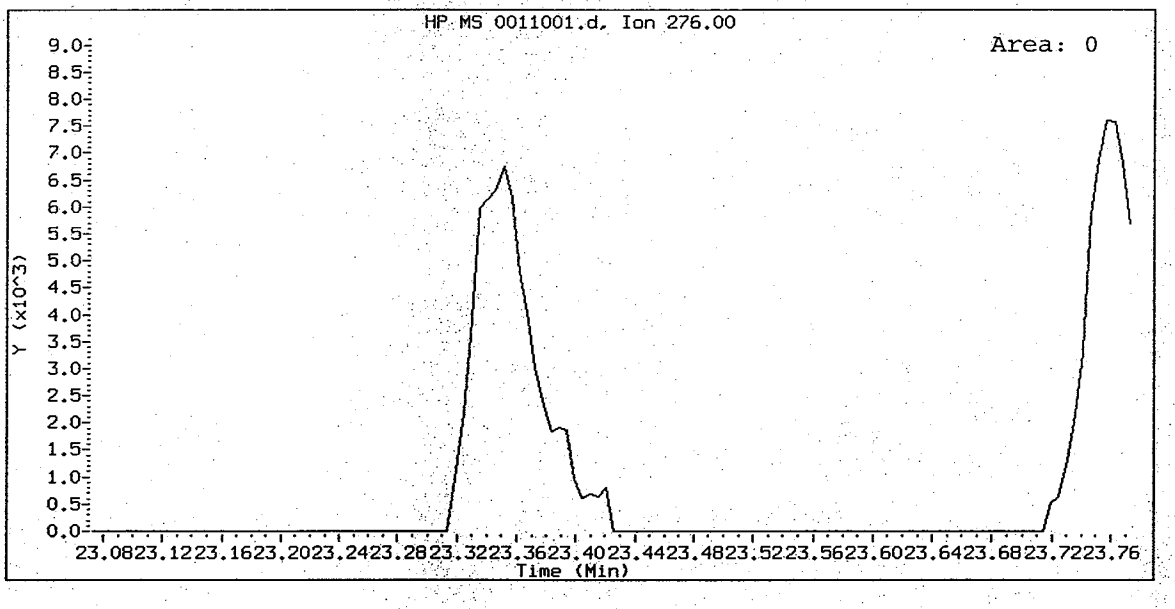


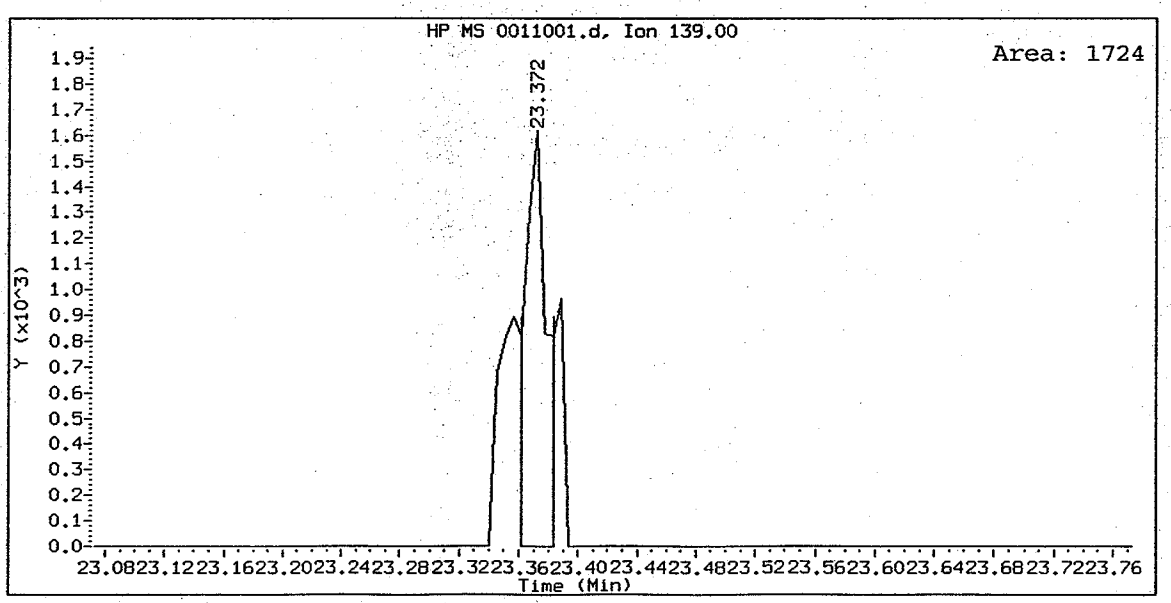




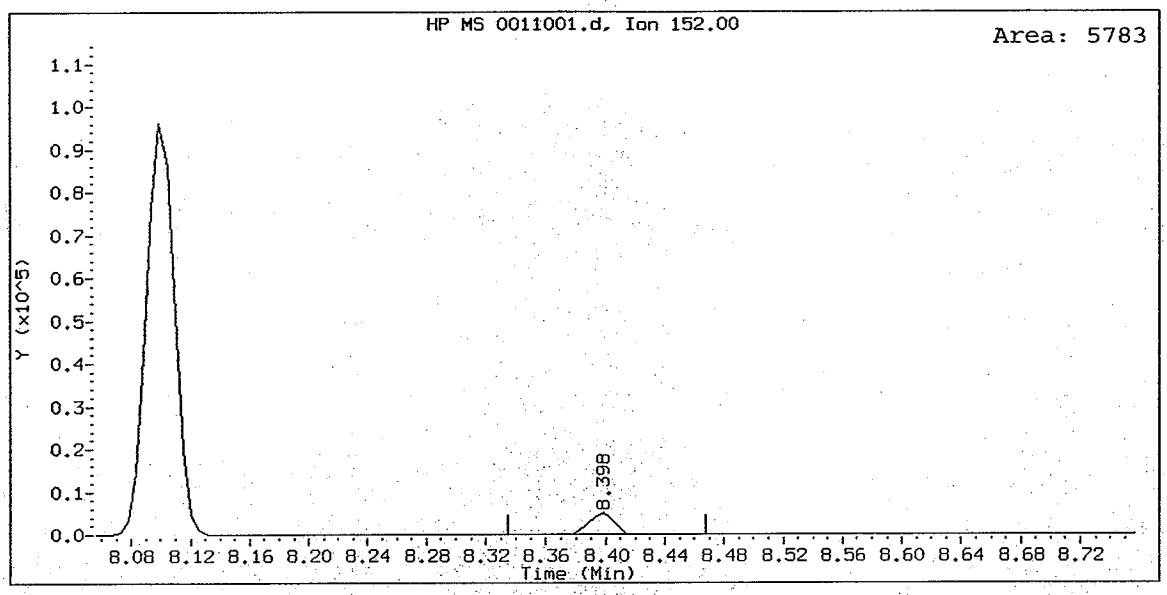
ABN 1, /chem3/nt4.i/20071001.b/0011001.d
Dibenzo(a,h)anthracene Amount: 0.79

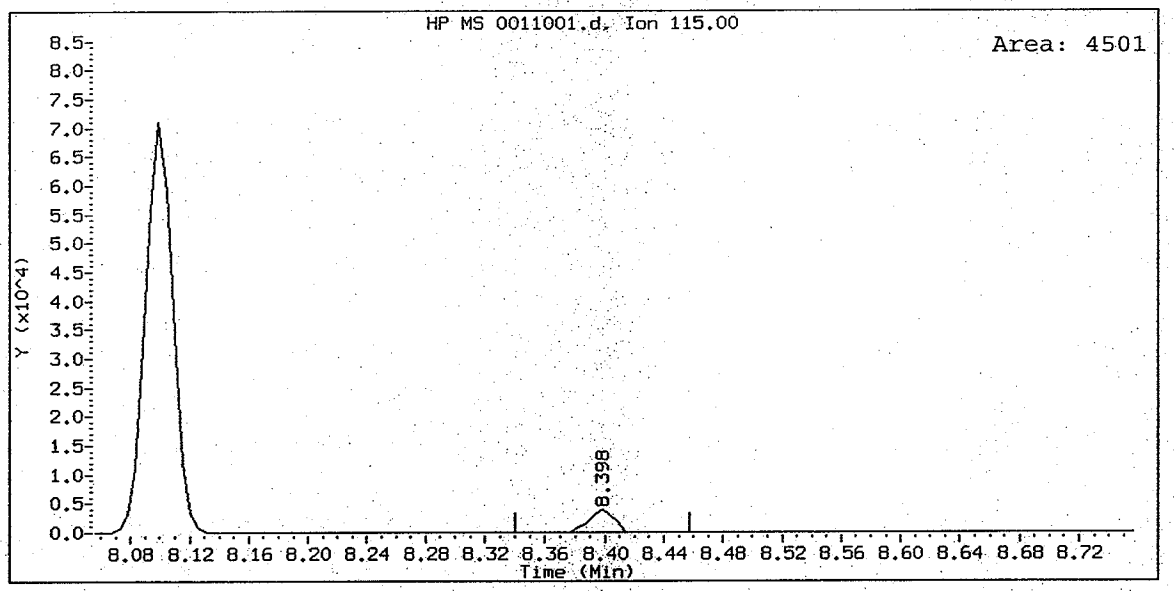


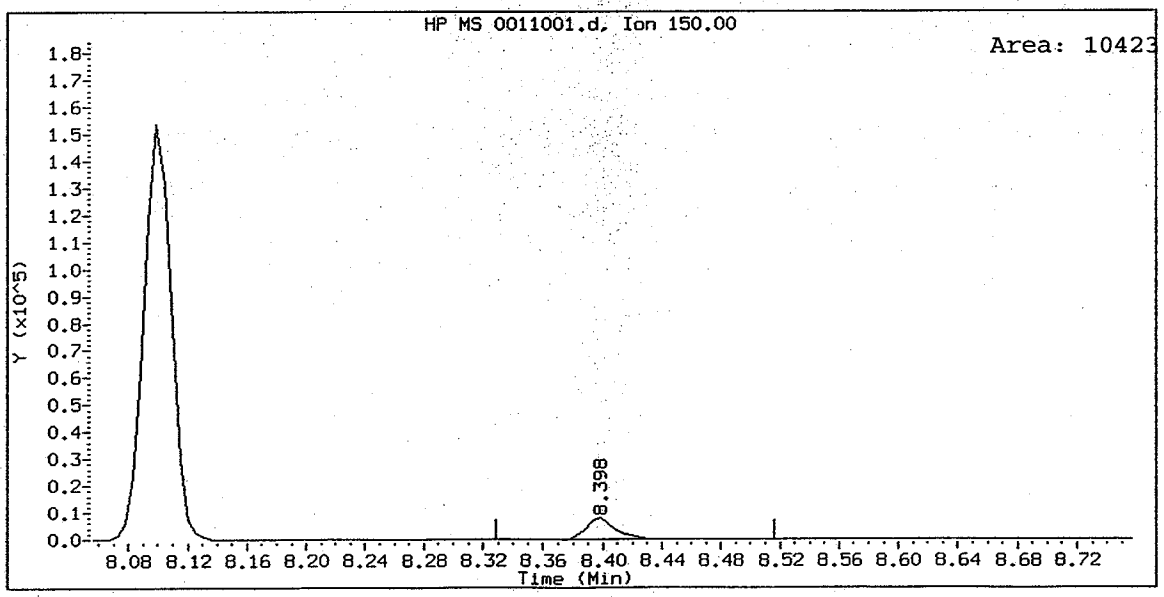




ABN 1, /chem3/nt4.i/20071001.b/0011001.d
1,2-Dichlorobenzene-d4 Amount: 1.01







Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem3/nt4.i/20071001.b/0051001.d
Lab Smp Id: ABN 5 Client Smp ID: ABN 5
Inj Date : 01-OCT-2007 12:46
Operator : VTS Inst ID: nt4.i
Smp Info : ABN 5
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 12:46 Cal File: 0051001.d
Als bottle: 5 Calibration Sample, Level: 2
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	6.133	6.144	(0.757)	55366	5.00000	5.563
$	2 Phenol-d5	99	7.656	7.687	(0.945)	60605	5.00000	5.441
	3 Phenol	94	7.677	7.709	(0.948)	72918	5.00000	5.512
$	5 2-Chlorophenol-d4	132	7.795	7.810	(0.962)	44947	5.00000	5.440
	4 Bis(2-Chloroethyl)ether	93	7.763	7.784	(0.958)	56050	5.00000	5.498
	6 2-Chlorophenol	128	7.821	7.837	(0.966)	52450	5.00000	5.507
	7 1,3-Dichlorobenzene	146	8.040	8.051	(0.993)	52691	5.00000	5.405
*	8 1,4-Dichlorobenzene-d4	152	8.099	8.110	(1.000)	117611	20.0000	
	9 1,4-Dichlorobenzene	146	8.126	8.136	(1.003)	53872	5.00000	5.483
$	10 1,2-Dichlorobenzene-d4	152	8.398	8.409	(1.037)	29542	5.00000	5.557
	12 1,2-Dichlorobenzene	146	8.420	8.430	(1.040)	50204	5.00000	5.456
	11 Benzyl alcohol	108	8.372	8.398	(1.034)	31857	5.00000	5.277
	14 2,2'-oxybis(1-Chloropropane)	45	8.644	8.654	(1.067)	67242	5.00000	5.435
	13 2-Methylphenol	108	8.607	8.633	(1.063)	45990	5.00000	5.262 (H)
	17 Hexachloroethane	117	8.911	8.916	(1.100)	24415	5.00000	5.473
	16 N-Nitroso-di-n-propylamine	70	8.847	8.884	(1.092)	42710	5.00000	5.290
	15 4-Methylphenol	108	8.836	8.863	(1.091)	47123	5.00000	5.297
$	18 Nitrobenzene-d5	82	9.023	9.044	(0.890)	60023	5.00000	5.620
	19 Nitrobenzene	77	9.050	9.071	(0.893)	65966	5.00000	5.574
	20 Isophorone	82	9.429	9.461	(0.930)	101543	5.00000	5.439
	21 2-Nitrophenol	139	9.568	9.584	(0.944)	23926	5.00000	5.353
	22 2,4-Dimethylphenol	107	9.675	9.696	(0.954)	51427	5.00000	5.435
	23 Bis(2-Chloroethoxy)methane	93	9.825	9.846	(0.969)	61482	5.00000	5.487
	24 Benzoic acid	105	9.819	10.043	(0.968)	51501	10.0000	7.553 (M)
	25 2,4-Dichlorophenol	162	9.948	9.969	(0.981)	33457	5.00000	5.238
	26 1,2,4-Trichlorobenzene	180	10.087	10.091	(0.995)	42326	5.00000	5.606
*	27 Naphthalene-d8	136	10.140	10.150	(1.000)	404851	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	10.172	10.182	(1.003)	135139	5.00000	5.437
	29 4-Chloroaniline	127	10.306	10.326	(1.016)	53860	5.00000	5.144
	30 Hexachlorobutadiene	225	10.493	10.497	(1.035)	24228	5.00000	5.543
	31 4-Chloro-3-methylphenol	107	11.118	11.133	(1.096)	36762	5.00000	4.661
	32 2-Methylnaphthalene	141	11.289	11.299	(1.113)	68247	5.00000	5.390
	33 Hexachlorocyclopentadiene	237	11.673	11.678	(0.898)	17028	5.00000	4.408
	34 2,4,6-Trichlorophenol	196	11.801	11.817	(0.908)	21324	5.00000	4.991
	35 2,4,5-Trichlorophenol	196	11.855	11.870	(0.912)	23984	5.00000	5.244
$	36 2-Fluorobiphenyl	172	11.935	11.945	(0.918)	82304	5.00000	5.590
	37 2-Chloronaphthalene	162	12.068	12.079	(0.928)	75272	5.00000	5.402
	38 2-Nitroaniline	65	12.293	12.314	(0.946)	29584	5.00000	4.881
	39 Dimethylphthalate	163	12.672	12.693	(0.975)	80567	5.00000	5.313
	40 Acenaphthylene	152	12.742	12.757	(0.980)	111173	5.00000	5.331
	41 2,6-Dinitrotoluene	165	12.758	12.784	(0.982)	17499	5.00000	5.048
*	42 Acenaphthene-d10	164	12.998	13.008	(1.000)	213214	20.0000	
	43 3-Nitroaniline	138	12.966	12.998	(0.998)	18941	5.00000	4.647
	44 Acenaphthene	153	13.046	13.062	(1.004)	73439	5.00000	5.305
	45 2,4-Dinitrophenol	184	13.137	13.169	(1.011)	9216	10.0000	4.775
	46 Dibenzofuran	168	13.308	13.329	(1.024)	97012	5.00000	5.381
	47 4-Nitrophenol	109	13.270	13.297	(1.021)	12034	5.00000	4.180
	48 2,4-Dinitrotoluene	165	13.383	13.409	(1.030)	22604	5.00000	4.933
	50 Diethylphthalate	149	13.821	13.852	(1.063)	78470	5.00000	5.274
	49 Fluorene	166	13.863	13.879	(1.067)	82218	5.00000	5.344
	51 4-Chlorophenyl-phenylether	204	13.890	13.900	(1.069)	41072	5.00000	5.443
	52 4-Nitroaniline	138	13.954	14.007	(1.074)	18609	5.00000	4.572
	53 4,6-Dinitro-2-methylphenol	198	14.040	14.077	(0.913)	18416	10.0000	7.239
	54 N-Nitrosodiphenylamine	169	14.093	14.114	(0.917)	42285	5.00000	5.499
$	55 2,4,6-Tribromophenol	330	14.285	14.301	(1.099)	8406	5.00000	4.580
	56 4-Bromophenyl-phenylether	248	14.675	14.686	(0.955)	20849	5.00000	5.368
	57 Hexachlorobenzene	284	14.894	14.905	(0.969)	21458	5.00000	5.314
	58 Pentachlorophenol	266	15.188	15.204	(0.988)	9515	5.00000	4.033
*	59 Phenanthrene-d10	188	15.370	15.380	(1.000)	312873	20.0000	
	60 Phenanthrene	178	15.402	15.423	(1.002)	115144	5.00000	5.325
	61 Anthracene	178	15.477	15.492	(1.007)	115818	5.00000	5.297
	62 Carbazole	167	15.760	15.775	(1.025)	93747	5.00000	5.011
	63 Di-n-butylphthalate	149	16.481	16.491	(1.072)	114729	5.00000	5.102
	64 Fluoranthene	202	17.341	17.357	(1.128)	117723	5.00000	5.029
	65 Pyrene	202	17.694	17.715	(0.899)	121182	5.00000	5.528
$	66 Terphenyl-d14	244	18.014	18.025	(0.915)	70828	5.00000	5.597
	67 Butylbenzylphthalate	149	18.896	18.911	(0.960)	46965	5.00000	5.110
	68 Benzo(a)anthracene	228	19.654	19.675	(0.999)	106679	5.00000	5.248
*	69 Chrysene-d12	240	19.681	19.702	(1.000)	273529	20.0000	
	70 3,3'-Dichlorobenzidine	252	19.660	19.686	(0.999)	37379	5.00000	5.178
	71 Chrysene	228	19.718	19.750	(1.002)	107853	5.00000	5.393
	72 bis(2-Ethylhexyl)phthalate	149	19.895	19.905	(0.955)	62348	5.00000	5.246
*	134 Di-n-octylphthalate-d4	153	20.830	20.840	(1.000)	377218	20.0000	
	73 Di-n-octylphthalate	149	20.840	20.851	(1.000)	117365	5.00000	5.401

	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	21.310	21.347	(0.976)	102615	5.00000	4.777
	75 Benzo(k)fluoranthene	252	21.342	21.379	(0.977)	126591	5.00000	5.579
	76 Benzo(a)pyrene	252	21.754	21.791	(0.996)	101196	5.00000	5.290
*	77 Perylene-d12	264	21.839	21.849	(1.000)	315500	20.0000	
	78 Indeno(1,2,3-cd)pyrene	276	23.346	23.393	(1.069)	117050	5.00000	5.567
	79 Dibenzo(a,h)anthracene	278	23.378	23.425	(1.070)	96270	5.00000	5.575
	80 Benzo(g,h,i)perylene	276	23.762	23.826	(1.088)	106991	5.00000	5.649
	90 N-Nitrosodimethylamine	74	3.452	3.483	(0.426)	41971	5.00000	5.807
	103 Pyridine	79	3.441	3.430	(0.425)	62957	5.00000	5.429
	91 Aniline	93	7.651	7.666	(0.945)	85194	5.00000	5.400
	105 1-methylnaphthalene	141	11.459	11.470	(1.130)	69130	5.00000	5.391
	93 Benzidine	184	17.587	17.602	(0.894)	50221	5.00000	5.497
	111 Azobenzene (1,2-DP-Hydrazine)	77	14.141	14.157	(1.088)	109687	5.00000	5.315
	144 alpha-Terpineol	59	10.199	10.214	(1.006)	37797	5.00000	5.251
	143 1,4-Dioxane	88	Compound Not Detected.					
$	137 d8-1,4-Dioxane	96	Compound Not Detected.					
	133 Butylatedhydroxytoluene	205	13.174	13.185	(1.014)	65098	5.00000	5.416
	115 Tributyl Phosphate	99	14.189	14.221	(0.923)	104102	5.00000	5.363
	116 Dibutyl Phenyl Phosphate	175	15.920	15.930	(1.036)	54332	5.00000	5.115
	117 Butyl Diphenyl Phosphate	94	17.608	17.619	(0.895)	24310	5.00000	5.673
	118 Triphenyl Phosphate	326	19.211	19.226	(0.976)	15658	5.00000	5.197
	123 Acetophenone	105	8.788	8.809	(1.085)	66241	5.00000	5.217
	170 Pentachlorobenzene	250	13.351	13.366	(1.027)	28065	5.00000	5.468

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: 0051001.d
Lab Smp Id: ABN 5
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 5
Level:
Sample Type:

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	110324	55162	220648	117611	6.61
27 Naphthalene-d8	430280	215140	860560	404851	-5.91
42 Acenaphthene-d10	242988	121494	485976	213214	-12.25
59 Phenanthrene-d10	380514	190257	761028	312873	-17.78
69 Chrysene-d12	406554	203277	813108	273529	-32.72
134 Di-n-octylphthala	598971	299486	1197942	377218	-37.02
77 Perylene-d12	429313	214656	858626	315500	-26.51

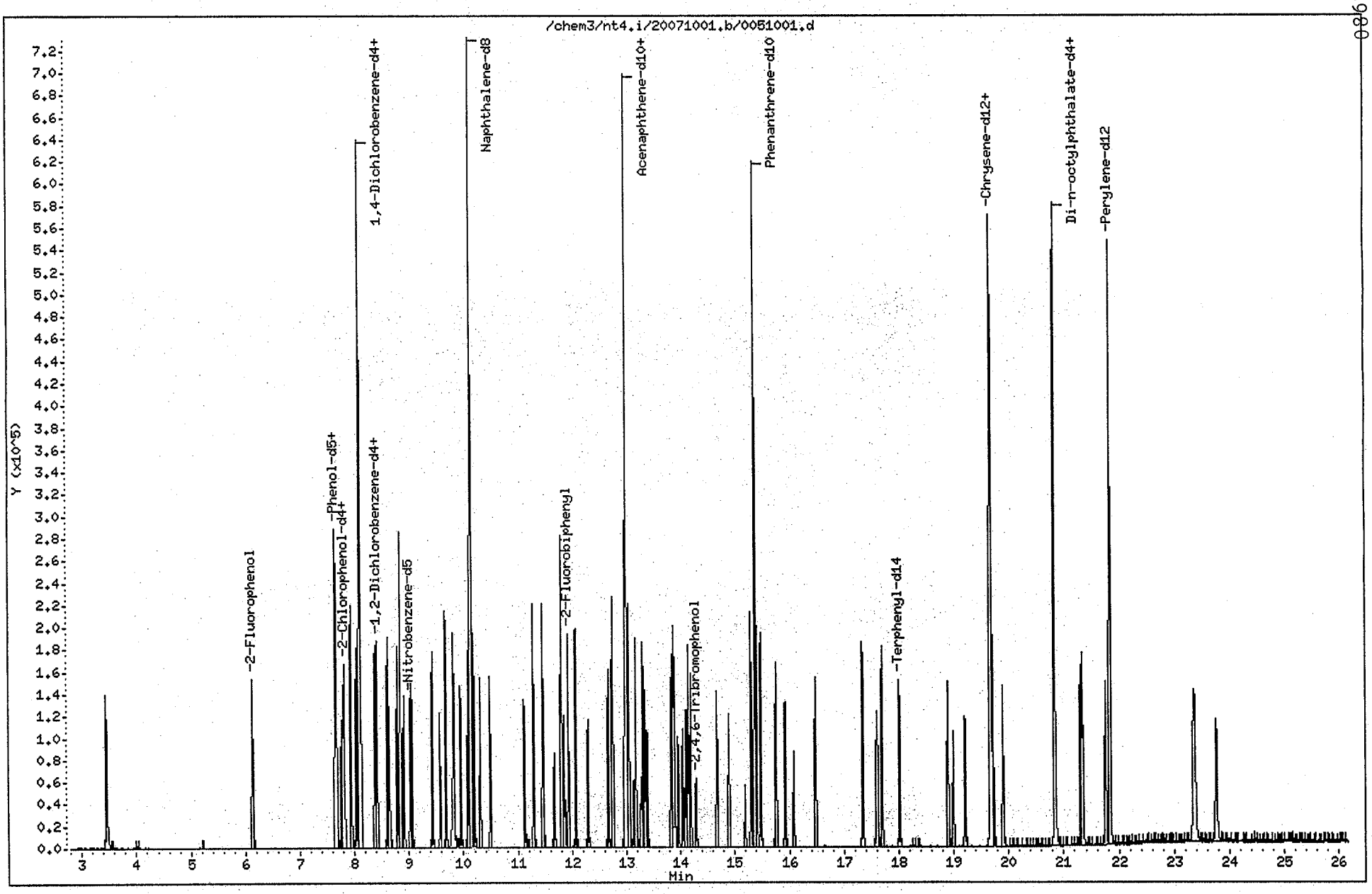
COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	8.10	7.60	8.60	8.10	-0.05
27 Naphthalene-d8	10.14	9.64	10.64	10.14	-0.04
42 Acenaphthene-d10	13.00	12.50	13.50	13.00	-0.03
59 Phenanthrene-d10	15.37	14.87	15.87	15.37	-0.03
69 Chrysene-d12	19.69	19.19	20.19	19.68	-0.05
134 Di-n-octylphthala	20.83	20.33	21.33	20.83	-0.02
77 Perylene-d12	21.84	21.34	22.34	21.84	-0.02

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/0051001.d
Date : 01-OCT-2007 12:46
Client ID: ABN 5
Sample Info: ABN 5

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

Column phase: ZB-5



0967

ABN 5, /chem3/nt4.i/20071001.b/0051001.d
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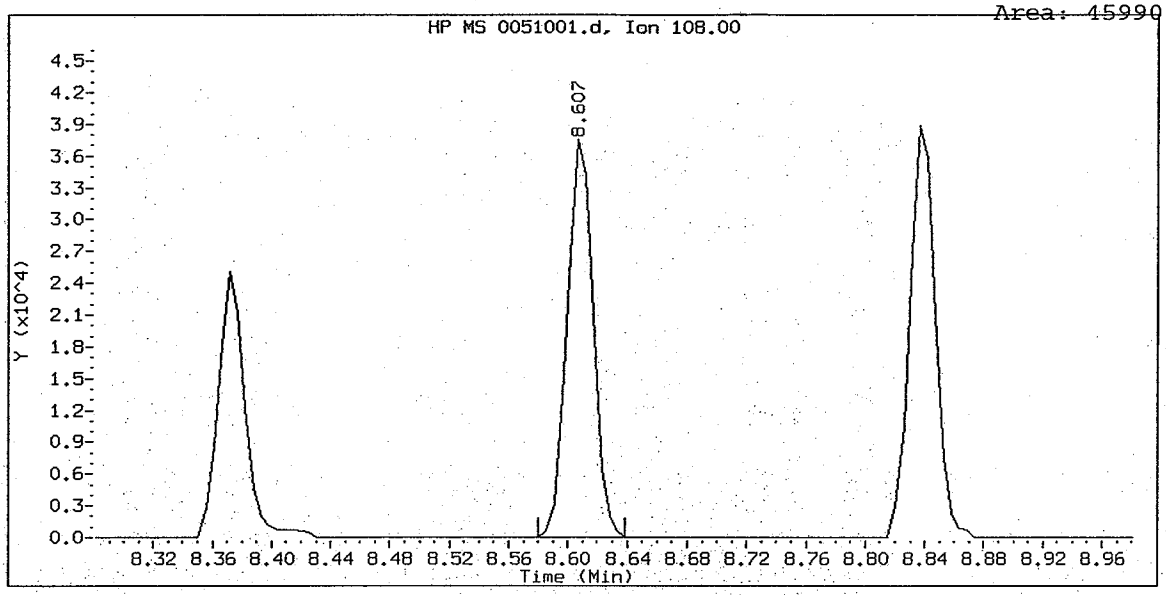
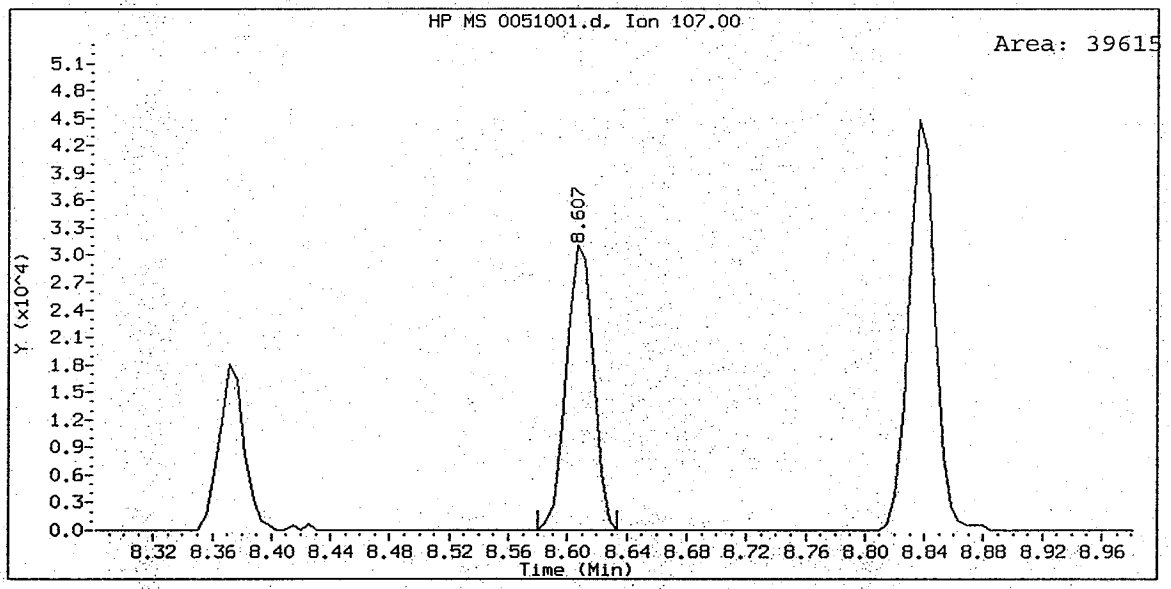
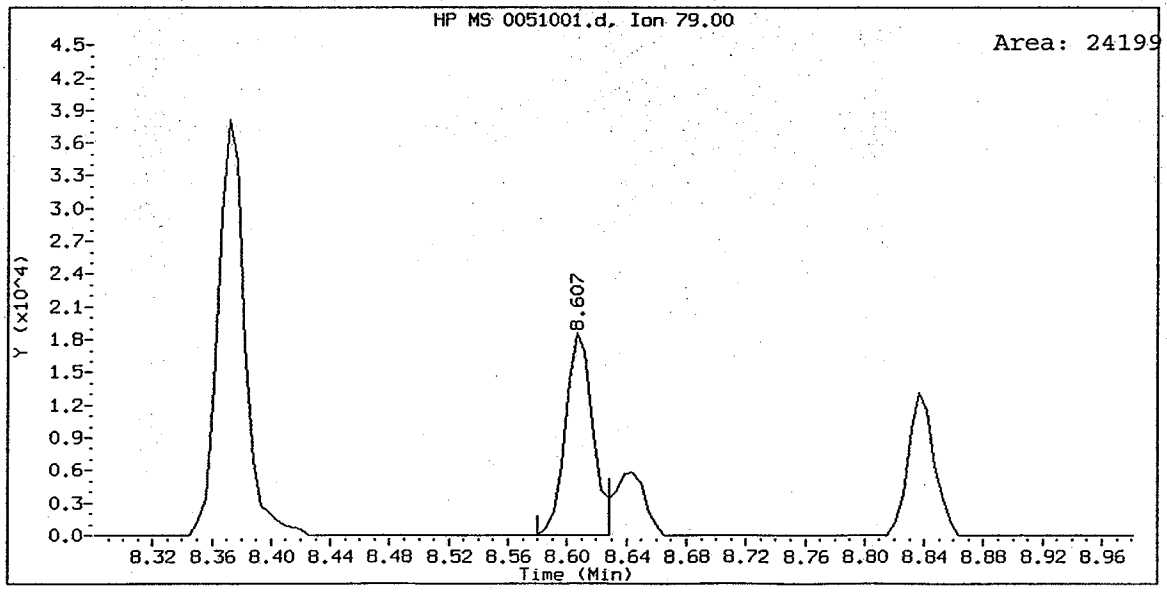
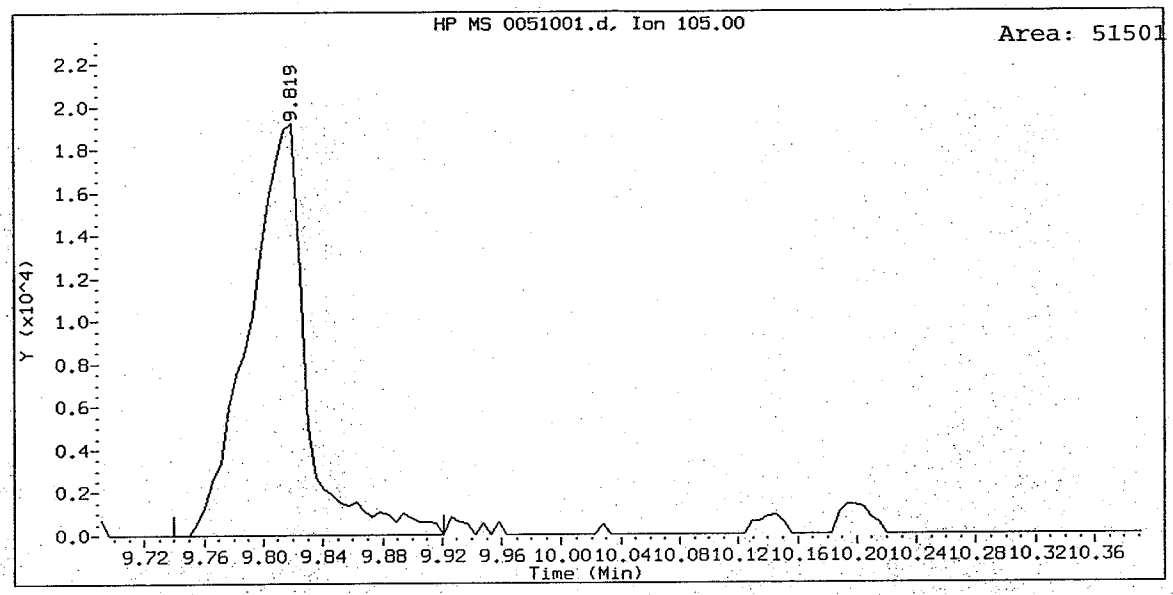
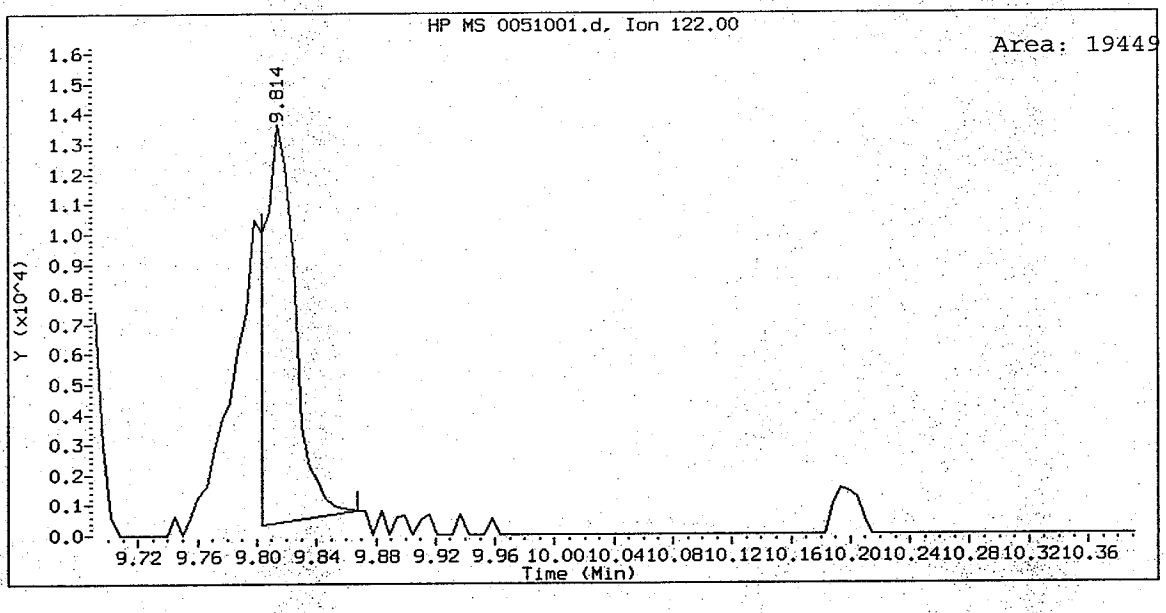


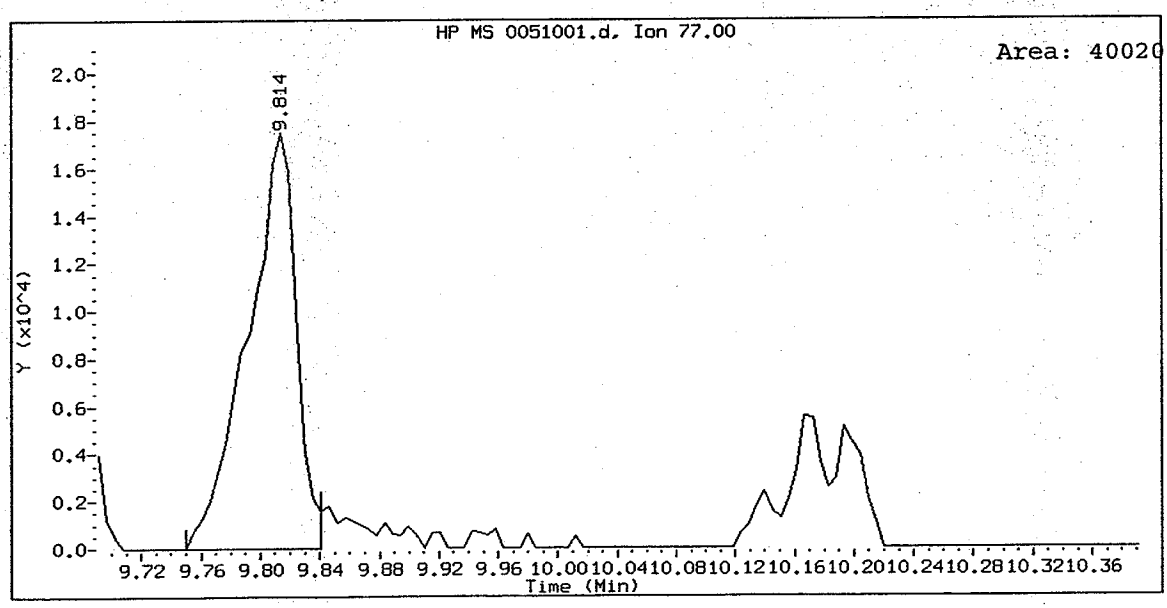




ABN 5, /chem3/nt4.i/20071001.b/0051001.d
Benzoic acid Amount: 7.55







Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem3/nt4.i/20071001.b/0101001.d
Lab Smp Id: ABN 10 Client Smp ID: ABN 10
Inj Date : 01-OCT-2007 13:20
Operator : VTS Inst ID: nt4.i
Smp Info : ABN 10
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 13:20 Cal File: 0101001.d
Als bottle: 6 Calibration Sample, Level: 3
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	6.135	6.144	(0.757)	95482	10.0000	9.995
$ 2	Phenol-d5	99	7.663	7.687	(0.946)	112647	10.0000	10.54
3	Phenol	94	7.679	7.709	(0.948)	134671	10.0000	10.60
$ 5	2-Chlorophenol-d4	132	7.796	7.810	(0.962)	82647	10.0000	10.42
4	Bis(2-Chloroethyl)ether	93	7.770	7.784	(0.959)	102212	10.0000	10.44
6	2-Chlorophenol	128	7.818	7.837	(0.965)	93822	10.0000	10.26
7	1,3-Dichlorobenzene	146	8.037	8.051	(0.992)	96582	10.0000	10.32
* 8	1,4-Dichlorobenzene-d4	152	8.101	8.110	(1.000)	112897	20.0000	
9	1,4-Dichlorobenzene	146	8.122	8.136	(1.003)	98242	10.0000	10.42
$ 10	1,2-Dichlorobenzene-d4	152	8.400	8.409	(1.037)	52415	10.0000	10.27
12	1,2-Dichlorobenzene	146	8.421	8.430	(1.040)	92376	10.0000	10.46
11	Benzyl alcohol	108	8.373	8.398	(1.034)	64044	10.0000	11.05
14	2,2'-oxybis(1-Chloropropane)	45	8.640	8.654	(1.067)	124058	10.0000	10.45
13	2-Methylphenol	108	8.608	8.633	(1.063)	86569	10.0000	10.32(H)
17	Hexachloroethane	117	8.908	8.916	(1.100)	44360	10.0000	10.36
16	N-Nitroso-di-n-propylamine	70	8.849	8.884	(1.092)	79850	10.0000	10.30
15	4-Methylphenol	108	8.838	8.863	(1.091)	88657	10.0000	10.38
$ 18	Nitrobenzene-d5	82	9.025	9.044	(0.890)	110389	10.0000	10.44
19	Nitrobenzene	77	9.052	9.071	(0.893)	123438	10.0000	10.54
20	Isophorone	82	9.431	9.461	(0.930)	194074	10.0000	10.50
21	2-Nitrophenol	139	9.570	9.584	(0.944)	45441	10.0000	10.27
22	2,4-Dimethylphenol	107	9.677	9.696	(0.954)	99056	10.0000	10.57
23	Bis(2-Chloroethoxy)methane	93	9.826	9.846	(0.969)	116899	10.0000	10.54
24	Benzoic acid	105	9.853	10.043	(0.972)	129245	20.0000	19.15(M)
25	2,4-Dichlorophenol	162	9.949	9.969	(0.981)	64177	10.0000	10.15
26	1,2,4-Trichlorobenzene	180	10.083	10.091	(0.994)	78904	10.0000	10.56
* 27	Naphthalene-d8	136	10.142	10.150	(1.000)	400792	20.0000	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
	28 Naphthalene	128	10.168	10.182	(1.003)	254351	10.0000	10.34
	29 4-Chloroaniline	127	10.307	10.326	(1.016)	110305	10.0000	10.64
	30 Hexachlorobutadiene	225	10.494	10.497	(1.035)	45701	10.0000	10.56
	31 4-Chloro-3-methylphenol	107	11.119	11.133	(1.096)	80411	10.0000	10.30
	32 2-Methylnaphthalene	141	11.290	11.299	(1.113)	131698	10.0000	10.51
	33 Hexachlorocyclopentadiene	237	11.675	11.678	(0.898)	37546	10.0000	9.366
	34 2,4,6-Trichlorophenol	196	11.803	11.817	(0.908)	44988	10.0000	10.15
	35 2,4,5-Trichlorophenol	196	11.856	11.870	(0.912)	45286	10.0000	9.542
$	36 2-Fluorobiphenyl	172	11.937	11.945	(0.918)	154267	10.0000	10.10
	37 2-Chloronaphthalene	162	12.070	12.079	(0.928)	150206	10.0000	10.39
	38 2-Nitroaniline	65	12.294	12.314	(0.946)	66166	10.0000	10.52
	39 Dimethylphthalate	163	12.674	12.693	(0.975)	166115	10.0000	10.56
	40 Acenaphthylene	152	12.743	12.757	(0.980)	226477	10.0000	10.47
	41 2,6-Dinitrotoluene	165	12.759	12.784	(0.982)	36891	10.0000	10.26
*	42 Acenaphthene-d10	164	13.000	13.008	(1.000)	221239	20.0000	
	43 3-Nitroaniline	138	12.968	12.998	(0.998)	43462	10.0000	10.28
	44 Acenaphthene	153	13.048	13.062	(1.004)	148512	10.0000	10.34
	45 2,4-Dinitrophenol	184	13.139	13.169	(1.011)	32723	20.0000	16.34
	46 Dibenzofuran	168	13.309	13.329	(1.024)	195405	10.0000	10.45
	47 4-Nitrophenol	109	13.272	13.297	(1.021)	31180	10.0000	10.44 (M)
	48 2,4-Dinitrotoluene	165	13.390	13.409	(1.030)	49735	10.0000	10.46
	50 Diethylphthalate	149	13.828	13.852	(1.064)	166080	10.0000	10.76
	49 Fluorene	166	13.865	13.879	(1.067)	171385	10.0000	10.74
	51 4-Chlorophenyl-phenylether	204	13.892	13.900	(1.069)	82958	10.0000	10.60
	52 4-Nitroaniline	138	13.961	14.007	(1.074)	44075	10.0000	10.44
	53 4,6-Dinitro-2-methylphenol	198	14.041	14.077	(0.913)	53426	20.0000	19.01
	54 N-Nitrosodiphenylamine	169	14.095	14.114	(0.917)	89246	10.0000	10.51
$	55 2,4,6-Tribromophenol	330	14.287	14.301	(1.099)	19649	10.0000	10.32
	56 4-Bromophenyl-phenylether	248	14.672	14.686	(0.954)	45519	10.0000	10.61
	57 Hexachlorobenzene	284	14.891	14.905	(0.969)	47782	10.0000	10.71
	58 Pentachlorophenol	266	15.190	15.204	(0.988)	23672	10.0000	9.083
*	59 Phenanthrene-d10	188	15.372	15.380	(1.000)	345559	20.0000	
	60 Phenanthrene	178	15.409	15.423	(1.002)	249284	10.0000	10.44
	61 Anthracene	178	15.478	15.492	(1.007)	251791	10.0000	10.43
	62 Carbazole	167	15.762	15.775	(1.025)	220895	10.0000	10.69
	63 Di-n-butylphthalate	149	16.483	16.491	(1.072)	271334	10.0000	10.92
	64 Fluoranthene	202	17.343	17.357	(1.128)	278359	10.0000	10.77
	65 Pyrene	202	17.695	17.715	(0.899)	287790	10.0000	10.64
$	66 Terphenyl-d14	244	18.011	18.025	(0.915)	159406	10.0000	10.21
	67 Butylbenzylphthalate	149	18.897	18.911	(0.960)	124749	10.0000	11.01
	68 Benzo(a)anthracene	228	19.656	19.675	(0.999)	266546	10.0000	10.63
*	69 Chrysene-d12	240	19.683	19.702	(1.000)	337352	20.0000	
	70 3,3'-Dichlorobenzidine	252	19.667	19.686	(0.999)	94085	10.0000	10.57
	71 Chrysene	228	19.720	19.750	(1.002)	251018	10.0000	10.18
	72 bis(2-Ethylhexyl)phthalate	149	19.896	19.905	(0.955)	168063	10.0000	10.81
*	134 Di-n-octylphthalate-d4	153	20.826	20.840	(1.000)	493568	20.0000	
	73 Di-n-octylphthalate	149	20.837	20.851	(1.000)	293902	10.0000	10.34

	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	21.307	21.347	(0.976)	243077	10.0000	9.834
75	Benzo(k)fluoranthene	252	21.344	21.379	(0.977)	291613	10.0000	11.17
76	Benzo(a)pyrene	252	21.755	21.791	(0.996)	234436	10.0000	10.65
* 77	Perylene-d12	264	21.841	21.849	(1.000)	363064	20.0000	
78	Indeno(1,2,3-cd)pyrene	276	23.347	23.393	(1.069)	257279	10.0000	10.63
79	Dibenzo(a,h)anthracene	278	23.374	23.425	(1.070)	210384	10.0000	10.59
80	Benzo(g,h,i)perylene	276	23.764	23.826	(1.088)	217697	10.0000	9.988
90	N-Nitrosodimethylamine	74	3.453	3.483	(0.426)	71729	10.0000	10.34
103	Pyridine	79	3.437	3.430	(0.424)	115281	10.0000	10.36
91	Aniline	93	7.652	7.666	(0.945)	163538	10.0000	10.80
105	1-methylnaphthalene	141	11.461	11.470	(1.130)	132980	10.0000	10.48
93	Benzidine	184	17.589	17.602	(0.894)	125166	10.0000	11.11
111	Azobenzene (1,2-DP-Hydrazine)	77	14.143	14.157	(1.088)	230923	10.0000	10.78
144	alpha-Terpineol	59	10.200	10.214	(1.006)	77837	10.0000	10.92
143	1,4-Dioxane	88	Compound Not Detected.					
$ 137	d8-1,4-Dioxane	96	Compound Not Detected.					
133	Butylatedhydroxytoluene	205	13.176	13.185	(1.014)	129292	10.0000	10.37
115	Tributyl Phosphate	99	14.191	14.221	(0.923)	225155	10.0000	10.50
116	Dibutyl Phenyl Phosphate	175	15.922	15.930	(1.036)	124715	10.0000	10.63
117	Butyl Diphenyl Phosphate	94	17.610	17.619	(0.895)	58830	10.0000	11.13
118	Triphenyl Phosphate	326	19.213	19.226	(0.976)	39194	10.0000	10.55
123	Acetophenone	105	8.790	8.809	(1.085)	127069	10.0000	10.42
170	Pentachlorobenzene	250	13.352	13.366	(1.027)	55600	10.0000	10.44

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: 0101001.d
Lab Smp Id: ABN 10
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 10
Level:
Sample Type:

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	110324	55162	220648	112897	2.33
27 Naphthalene-d8	430280	215140	860560	400792	-6.85
42 Acenaphthene-d10	242988	121494	485976	221239	-8.95
59 Phenanthrene-d10	380514	190257	761028	345559	-9.19
69 Chrysene-d12	406554	203277	813108	337352	-17.02
134 Di-n-octylphthala	598971	299486	1197942	493568	-17.60
77 Perylene-d12	429313	214656	858626	363064	-15.43

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	8.10	7.60	8.60	8.10	-0.03
27 Naphthalene-d8	10.14	9.64	10.64	10.14	-0.02
42 Acenaphthene-d10	13.00	12.50	13.50	13.00	-0.02
59 Phenanthrene-d10	15.37	14.87	15.87	15.37	-0.01
69 Chrysene-d12	19.69	19.19	20.19	19.68	-0.04
134 Di-n-octylphthala	20.83	20.33	21.33	20.83	-0.04
77 Perylene-d12	21.84	21.34	22.34	21.84	-0.01

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.