

Data Path : Z:\HPCHEM1\BNA G\DATA\BG041118\
 Data File : BG033747.D
 Acq On : 11 Apr 2018 16:16
 Operator : SJ/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTDCCC040

Quant Time: Apr 12 01:06:03 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG031918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 10 16:51:36 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.87	152	32763	20.00	ng	0.00
21) Naphthalene-d8	11.74	136	151083	20.00	ng	0.00
38) Acenaphthene-d10	15.48	164	115631	20.00	ng	0.00
63) Phenanthrene-d10	18.20	188	315705	20.00	ng	0.00
75) Chrysene-d12	22.55	240	319896	20.00	ng	0.00
86) Perylene-d12	26.30	264	351307	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	6.28	112	144161	82.51	ng	0.00
7) Phenol-d6	7.97	99	250712	83.51	ng	0.00
23) Nitrobenzene-d5	10.06	82	257860	78.41	ng	0.00
41) 2,4,6-Tribromophenol	16.95	330	131057	75.78	ng	0.00
44) 2-Fluorobiphenyl	14.10	172	622501	77.72	ng	0.00
78) Terphenyl-d14	20.72	244	1121633	74.98	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.92	88	34159	38.497	ng	91
3) Pyridine	4.39	79	93582	38.152	ng	97
4) n-Nitrosodimethylamine	4.30	42	44853	44.559	ng	# 93
6) Aniline	8.15	93	148347	42.019	ng	# 91
8) 2-Chlorophenol	8.40	128	82619	41.362	ng	96
9) Benzaldehyde	7.96	77	60096	31.499	ng	97
10) Phenol	8.00	94	128379	43.312	ng	87
11) bis(2-Chloroethyl)ether	8.24	93	99412	41.090	ng	96
12) 1,3-Dichlorobenzene	8.74	146	102788	39.360	ng	93
13) 1,4-Dichlorobenzene	8.89	146	104554	39.977	ng	99
14) 1,2-Dichlorobenzene	9.22	146	103063	40.376	ng	95
15) Benzyl Alcohol	9.09	79	97789	41.372	ng	91
16) 2,2'-oxybis(1-Chloropropan	9.38	45	168992	42.847	ng	90
17) 2-Methylphenol	9.29	107	83587	41.396	ng	# 93
18) Hexachloroethane	9.97	117	40308	39.932	ng	92
19) n-Nitroso-di-n-propylamine	9.66	70	94747	43.070	ng	98
20) 3+4-Methylphenols	9.62	107	126908	44.143	ng	91
22) Acetophenone	9.70	105	162256	39.200	ng	# 95
24) Nitrobenzene	10.10	77	141056	40.075	ng	91
25) Isophorone	10.62	82	261761	41.013	ng	98
26) 2-Nitrophenol	10.83	139	54939	41.228	ng	88
27) 2,4-Dimethylphenol	10.86	122	79539	41.088	ng	89
28) bis(2-Chloroethoxy)methane	11.10	93	121576	38.178	ng	99
29) 2,4-Dichlorophenol	11.37	162	96342	40.468	ng	94
30) 1,2,4-Trichlorobenzene	11.59	180	114858	37.134	ng	93
31) Naphthalene	11.79	128	309442	39.524	ng	98
32) Benzoic acid	11.00	122	51302	28.508	ng	# 84
33) 4-Chloroaniline	11.89	127	136985	39.053	ng	# 92
34) Hexachlorobutadiene	12.05	225	86011	36.771	ng	96
35) Caprolactam	12.63	113	44093	47.276	ng	90
36) 4-Chloro-3-methylphenol	12.95	107	125120	40.296	ng	95
37) 2-Methylnaphthalene	13.34	142	234001	38.508	ng	93
39) 1,2,4,5-Tetrachlorobenzene	13.69	216	155658	37.163	ng	99
40) Hexachlorocyclopentadiene	13.67	237	102278	41.655	ng	91

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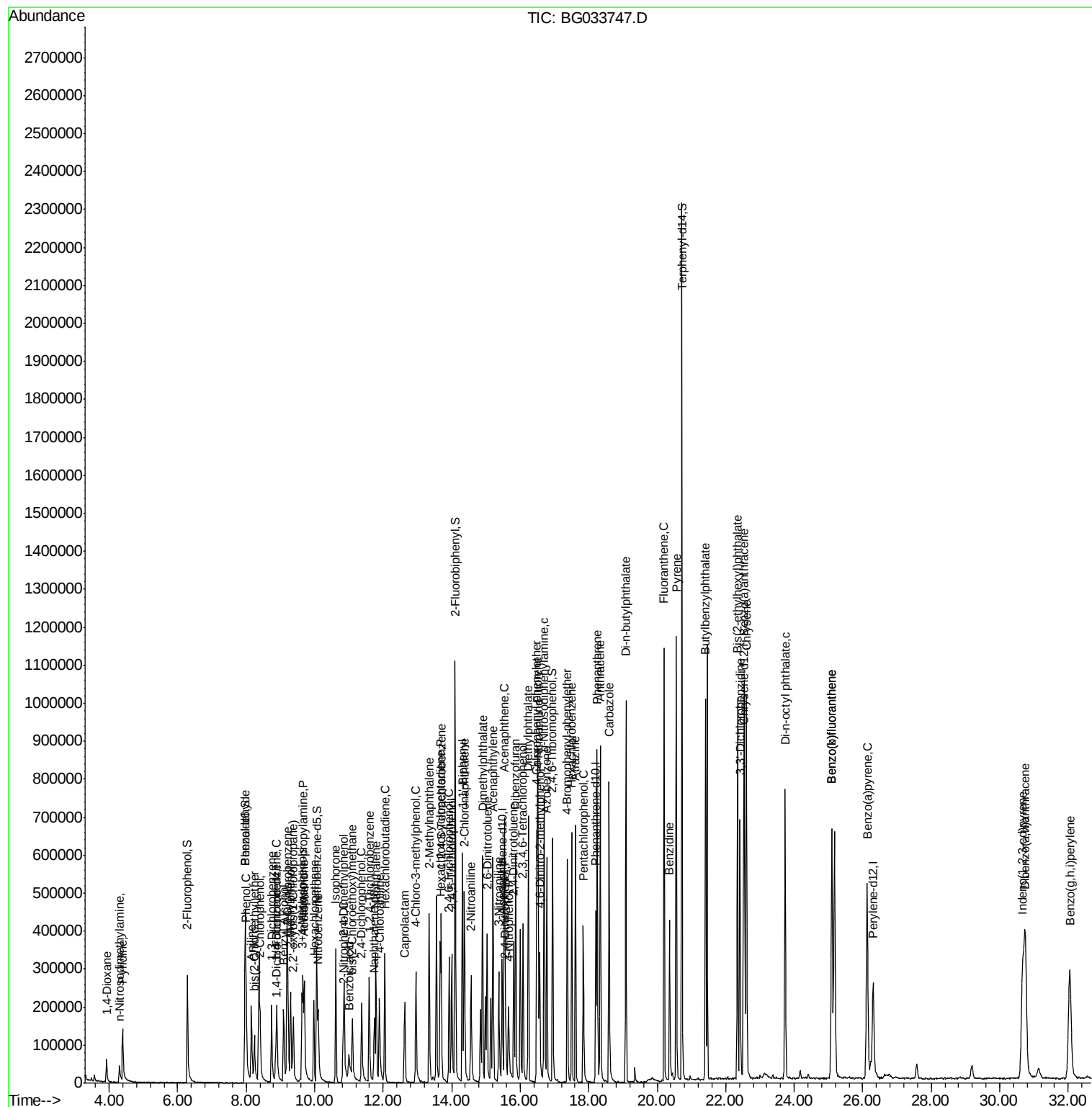
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	13.92	196	96423	39.623	nq	96
43) 2,4,5-Trichlorophenol	14.00	196	110668	38.474	nq	97
45) 1,1'-Biphenyl	14.31	154	346158	38.966	nq	97
46) 2-Chloronaphthalene	14.37	162	271024	39.567	nq	97
47) 2-Nitroaniline	14.56	65	111070	43.292	nq	92
48) Acenaphthylene	15.20	152	457790	40.039	nq	99
49) Dimethylphthalate	14.90	163	406266	40.372	nq	98
50) 2,6-Dinitrotoluene	15.03	165	84739	41.183	nq	99
51) Acenaphthene	15.54	154	305848	41.496	nq	95
52) 3-Nitroaniline	15.37	138	86640	40.163	nq #	94
53) 2,4-Dinitrophenol	15.57	184	46990	47.529	nq #	82
54) Dibenzofuran	15.86	168	429602	39.459	nq	91
55) 4-Nitrophenol	15.66	139	59861	39.463	nq #	81
56) 2,4-Dinitrotoluene	15.81	165	130051	42.927	nq	93
57) Fluorene	16.51	166	372464	40.157	nq	99
58) 2,3,4,6-Tetrachlorophenol	16.08	232	99746	36.835	nq	98
59) Diethylphthalate	16.24	149	402780	41.220	nq	99
60) 4-Chlorophenyl-phenylether	16.48	204	206657	38.760	nq	98
61) 4-Nitroaniline	16.53	138	93426	42.767	nq #	80
62) Azobenzene	16.77	77	387135	40.899	nq	96
64) 4,6-Dinitro-2-methylphenol	16.57	198	71626	37.925	nq	95
65) n-Nitrosodiphenylamine	16.70	169	344453	38.218	nq	94
66) 4-Bromophenyl-phenylether	17.37	248	134736	36.340	nq	90
67) Hexachlorobenzene	17.51	284	146331	37.397	nq	94
68) Atrazine	17.61	200	135622	37.134	nq	98
69) Pentachlorophenol	17.84	266	83955	31.260	nq	95
70) Phenanthrene	18.25	178	615246	37.419	nq	97
71) Anthracene	18.34	178	640657	38.483	nq	99
72) Carbazole	18.59	167	581561	39.422	nq #	97
73) Di-n-butylphthalate	19.09	149	695531	40.506	nq	99
74) Fluoranthene	20.20	202	779993	38.335	nq	97
76) Benzidine	20.36	184	295016	34.007	nq	98
77) Pyrene	20.56	202	805802	37.769	nq	100
79) Butylbenzylphthalate	21.41	149	319852	40.626	nq	97
80) Benzo(a)anthracene	22.53	228	773858	37.991	nq	99
81) 3,3'-Dichlorobenzidine	22.41	252	293089	40.434	nq #	98
82) Chrysene	22.60	228	759993	38.543	nq	98
83) Bis(2-ethylhexyl)phthalate	22.34	149	447958	41.274	nq	96
84) Di-n-octyl phthalate	23.74	149	717920	43.203	nq	100
85) Indeno(1,2,3-cd)pyrene	30.66	276	879039	41.233	nq #	86
87) Benzo(b)fluoranthene	25.10	252	762784	37.582	nq #	97
88) Benzo(k)fluoranthene	25.10	252	762784	37.159	nq	99
89) Benzo(a)pyrene	26.13	252	743336	38.136	nq #	96
90) Dibenzo(a,h)anthracene	30.76	278	720820	39.260	nq #	96
91) Benzo(g,h,i)perylene	32.05	276	711641	39.142	nq #	94

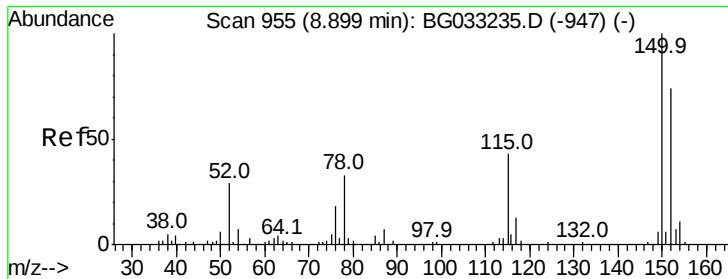
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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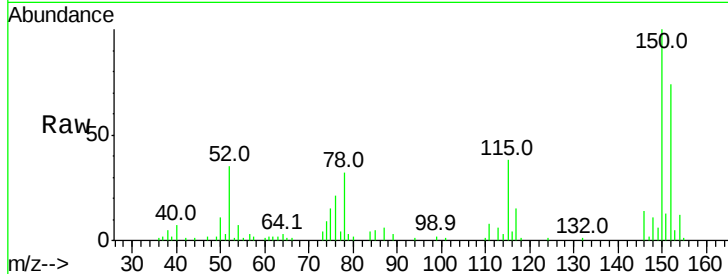


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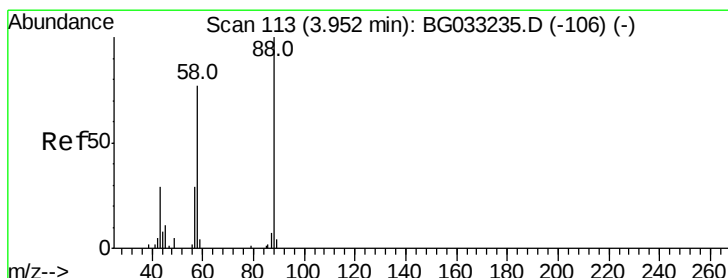
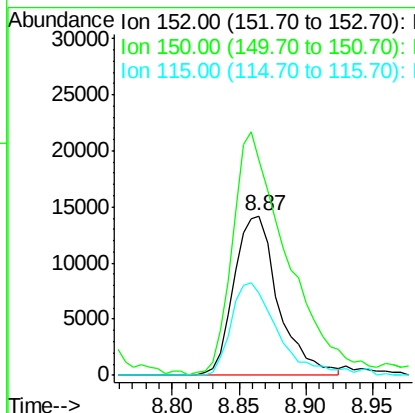
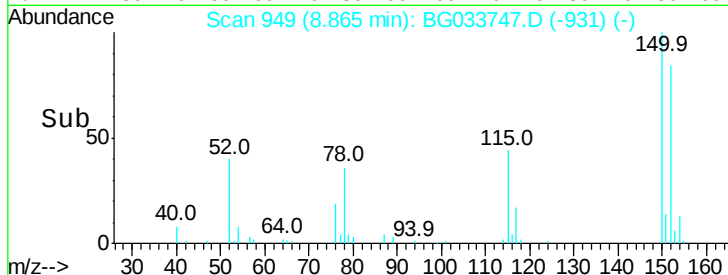
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.87 min Scan# 949
 Delta R.T. 0.01 min
 Lab File: BG033747.D
 Acq: 11 Apr 2018 16:16

Instrument :
 BNA_G
 ClientSampleId :
 SSTDCCC040

Tot Ion:152 Resp: 32763
 Ion Ratio Lower Upper
 152 100
 150 134.9 126.6 189.8
 115 51.9 53.0 79.4#



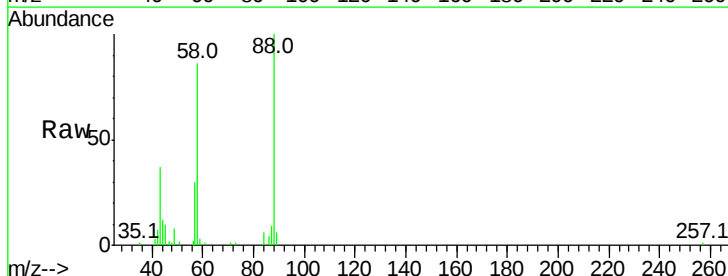
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



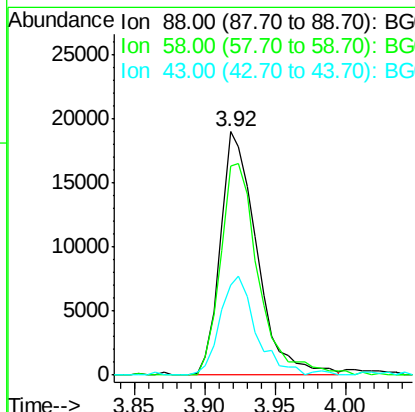
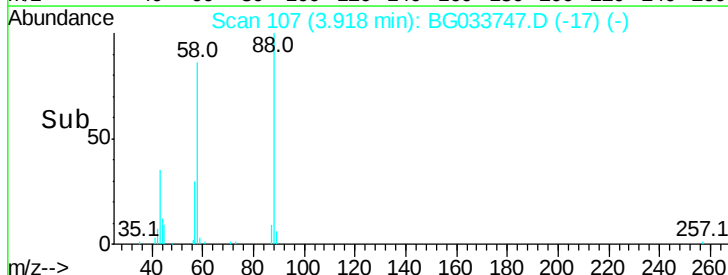
#2

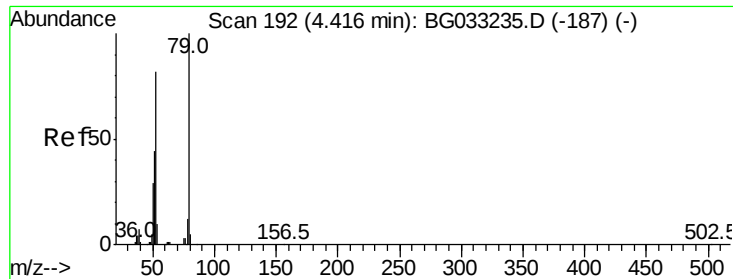
1,4-Dioxane
 Concen: 38.497 ng
 RT: 3.92 min Scan# 107
 Delta R.T. -0.00 min
 Lab File: BG033747.D
 Acq: 11 Apr 2018 16:16

Tgt Ion: 88 Resp: 34159
 Ion Ratio Lower Upper
 88 100
 58 90.4 79.6 119.4
 43 39.4 27.4 41.0



Abundance Ion 88.00 (87.70 to 88.70): BGC
 Ion 58.00 (57.70 to 58.70): BGC
 Ion 43.00 (42.70 to 43.70): BGC





#3

Pvridine

Concen: 38.152 ng

RT: 4.39 min Scan# 187

Delta R.T. 0.00 min

Lab File: BG033747.D

Acq: 11 Apr 2018 16:16

Instrument :

BNA_G

ClientSampleId :

SSTDCCC040

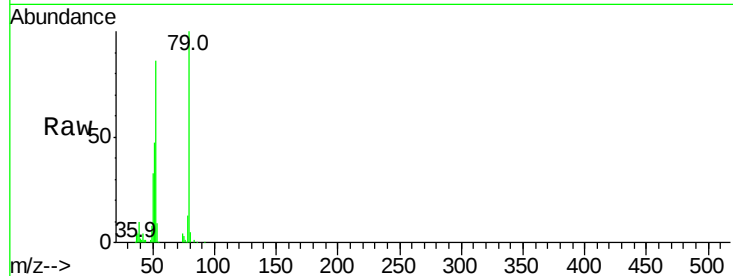
Tot Ion: 79 Resp: 93582

Ion Ratio Lower Upper

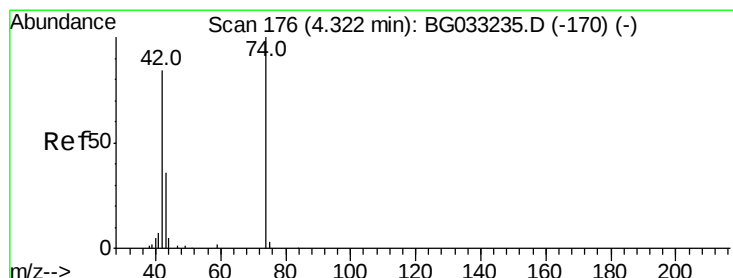
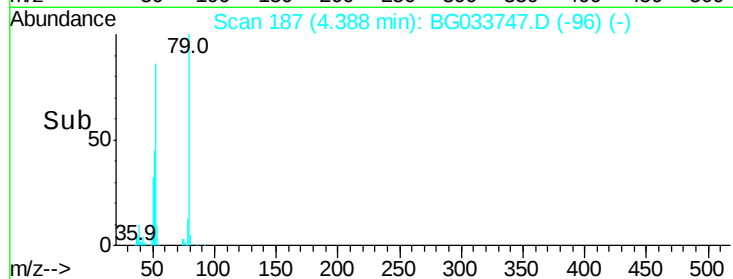
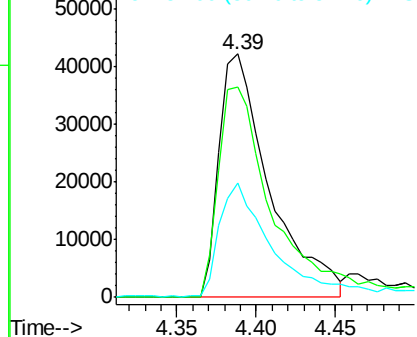
79 100

52 86.5 69.9 104.9

51 46.8 34.0 51.0



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 52.00 (51.70 to 52.70): BGC
Ion 51.00 (50.70 to 51.70): BGC



#4

n-Nitrosodimethylamine

Concen: 44.559 ng

RT: 4.30 min Scan# 172

Delta R.T. 0.00 min

Lab File: BG033747.D

Acq: 11 Apr 2018 16:16

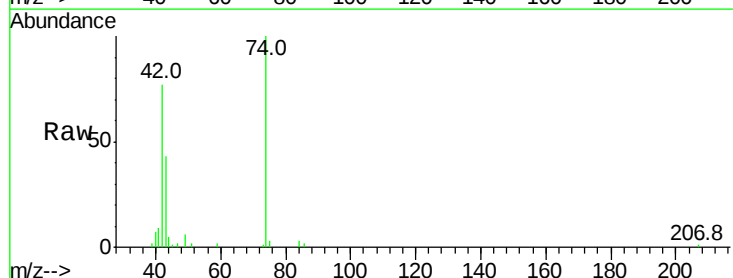
Tgt Ion: 42 Resp: 44853

Ion Ratio Lower Upper

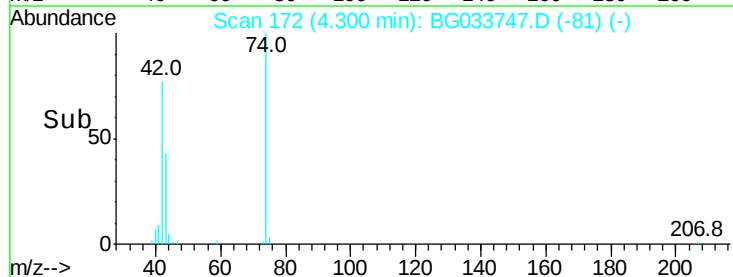
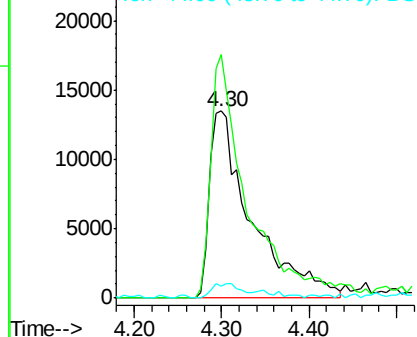
42 100

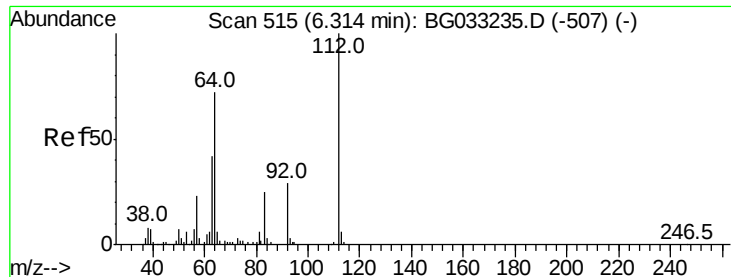
74 130.4 102.5 153.7

44 6.2 18.9 28.3#



Abundance Ion 42.00 (41.70 to 42.70): BGC
Ion 74.00 (73.70 to 74.70): BGC
Ion 44.00 (43.70 to 44.70): BGC





#5

2-Fluorophenol

Concen: 82.507 ng

RT: 6.28 min Scan# 509

Delta R.T. -0.00 min

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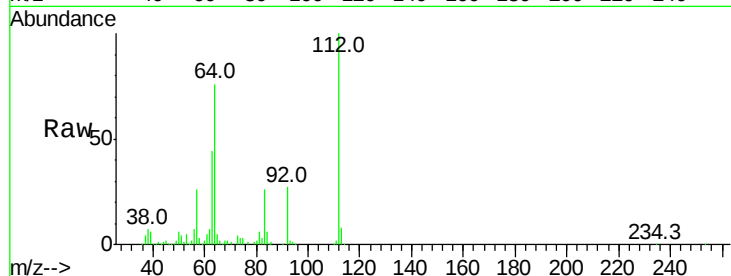
Tot Ion:112 Resp: 144161

Ion Ratio Lower Upper

112 100

64 75.6 56.3 84.5

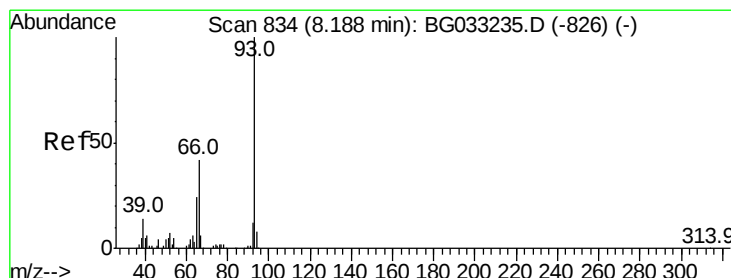
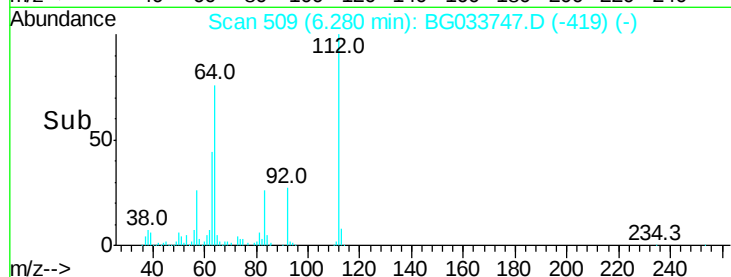
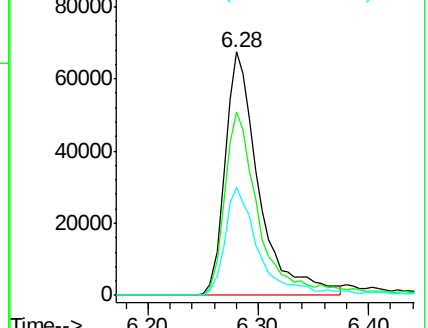
63 44.4 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#6

Aniline

Concen: 42.019 ng

RT: 8.15 min Scan# 828

Delta R.T. 0.00 min

Lab File: BG033747.D

Acq: 11 Apr 2018 16:16

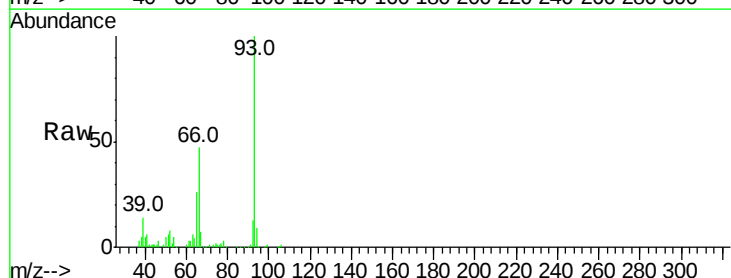
Tgt Ion: 93 Resp: 148347

Ion Ratio Lower Upper

93 100

66 46.8 33.7 50.5

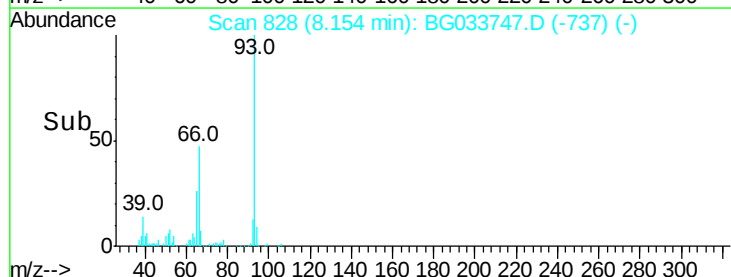
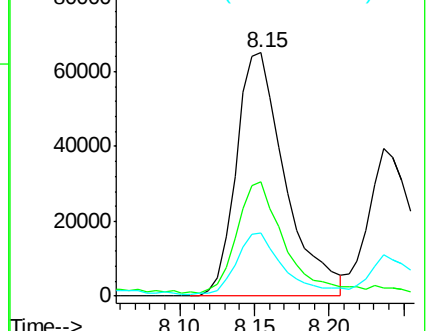
65 25.7 16.1 24.1#

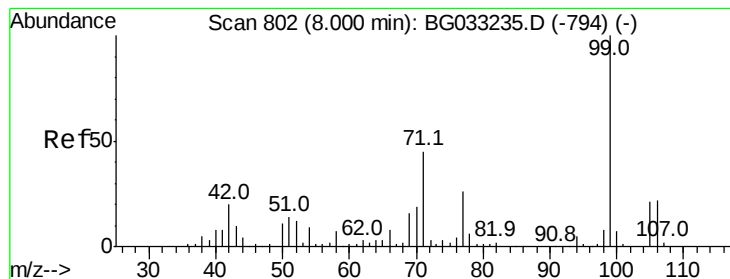


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 83.511 ng

RT: 7.97 min Scan# 796

Delta R.T. -0.00 min

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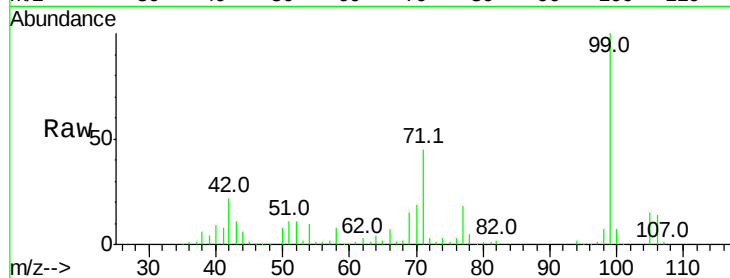
Tot Ion: 99 Resp: 250712

Ion Ratio Lower Upper

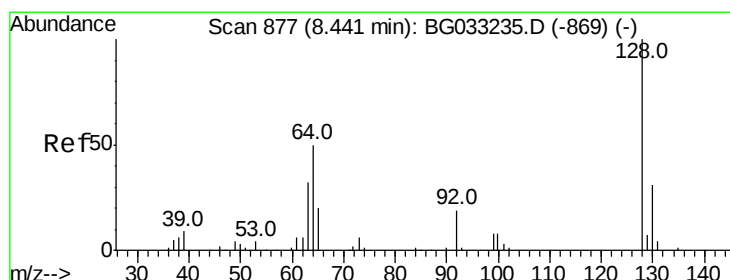
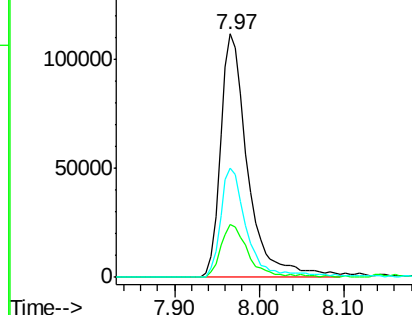
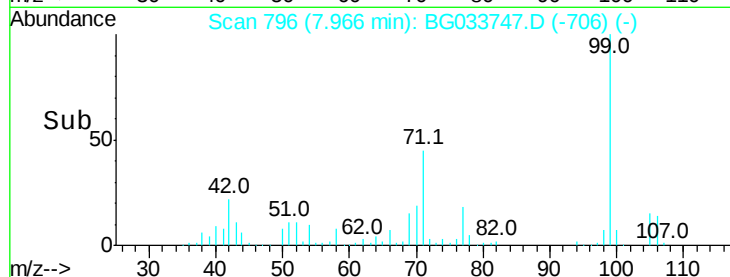
99 100

42 21.9 14.1 21.1#

71 44.7 26.1 39.1#



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#8

2-Chlorophenol

Concen: 41.362 ng

RT: 8.40 min Scan# 870

Delta R.T. 0.00 min

Lab File: BG033747.D

Acq: 11 Apr 2018 16:16

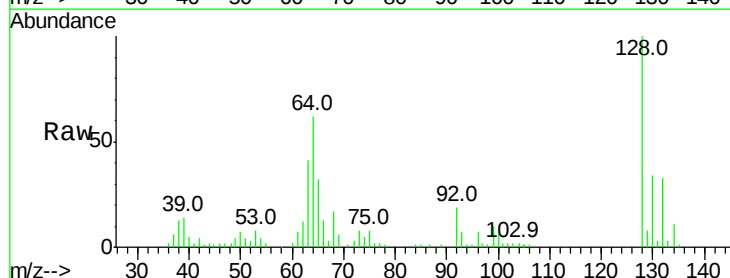
Tgt Ion: 128 Resp: 82619

Ion Ratio Lower Upper

128 100

130 34.1 14.0 54.0

64 62.3 37.7 77.7



Abundance Ion 128.00 (127.70 to 128.70): BGC
Ion 130.00 (129.70 to 130.70): BGC
Ion 64.00 (63.70 to 64.70): BGC

