

Data Path : Z:\HPCHEM1\BNA G\DATA\BG040918\
 Data File : BG033682.D
 Acq On : 9 Apr 2018 16:01
 Operator : SJ/JU
 Sample : J2236-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 10 05:56:56 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG031918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 05 17:36:07 2018
 Response via : Initial Calibration

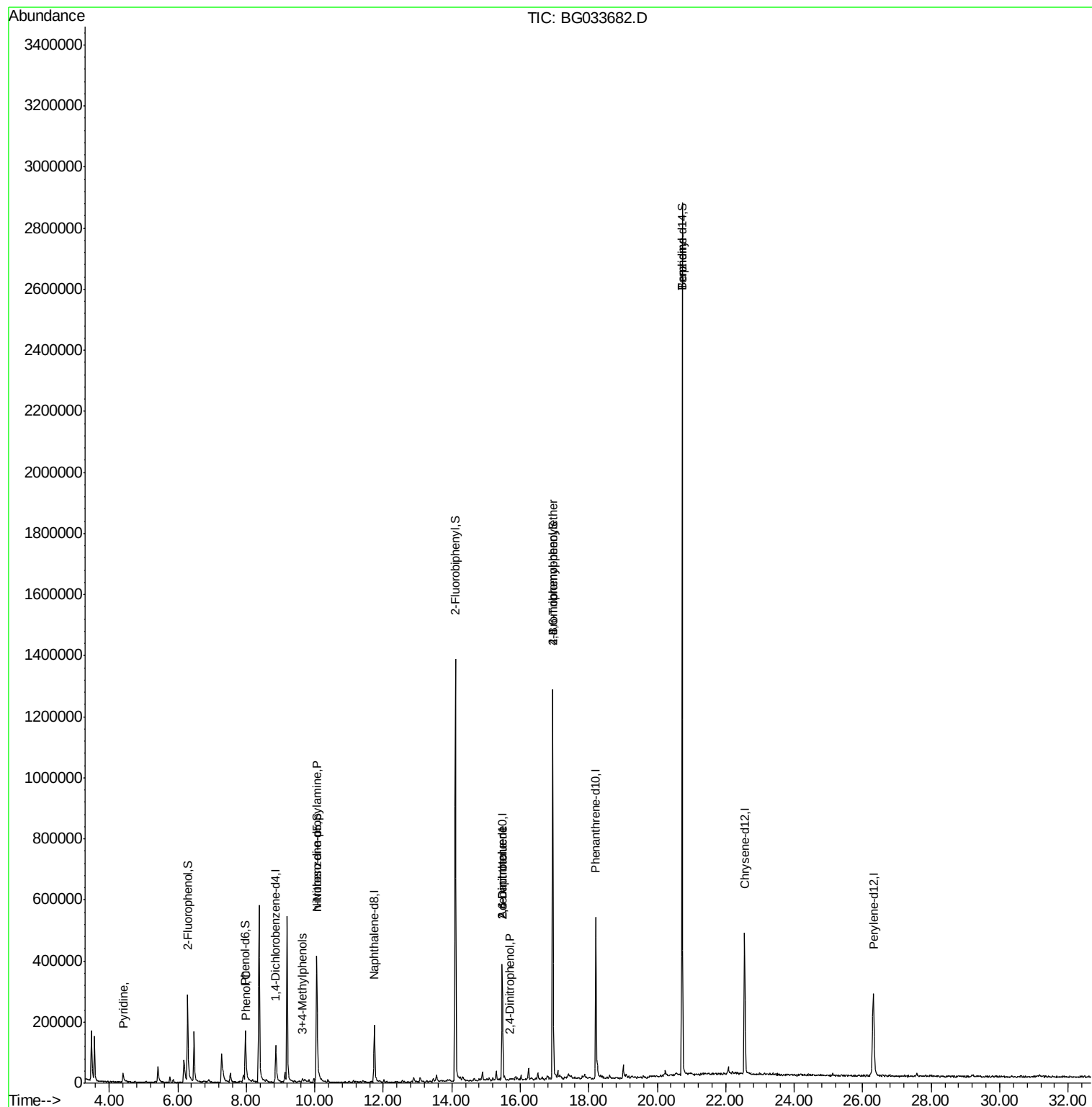
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.86	152	42647	20.00	ng	0.00
21) Naphthalene-d8	11.74	136	177995	20.00	ng	0.00
38) Acenaphthene-d10	15.47	164	136978	20.00	ng	0.00
63) Phenanthrene-d10	18.21	188	352553	20.00	ng	0.00
75) Chrysene-d12	22.55	240	343016	20.00	ng	-0.01
86) Perylene-d12	26.31	264	368939	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.29	112	140982	61.99	ng	0.00
7) Phenol-d6	7.97	99	129885	33.24	ng	0.00
23) Nitrobenzene-d5	10.06	82	329095	84.95	ng	0.00
41) 2,4,6-Tribromophenol	16.95	330	242527	118.38	ng	0.00
44) 2-Fluorobiphenyl	14.10	172	787346	82.98	ng	0.00
78) Terphenyl-d14	20.73	244	1369368	85.38	ng	0.00
Target Compounds						
3) Pyridine	4.39	79	23780	7.448	ng	94
10) Phenol	8.01	94	8631	2.237	ng	78
19) n-Nitroso-di-n-propylamine	10.06	70	46027	16.074	ng	# 78
20) 3+4-Methylphenols	9.63	107	10150	2.712	ng	83
50) 2,6-Dinitrotoluene	15.47	165	18146	7.445	ng	# 22
53) 2,4-Dinitrophenol	15.68	184	58	7.684	ng	# 15
56) 2,4-Dinitrotoluene	15.47	165	18146	5.056	ng	# 20
66) 4-Bromophenyl-phenylether	16.95	248	19268	4.654	ng	# 1
76) Benzidine	20.73	184	24329	2.615	ng	# 86

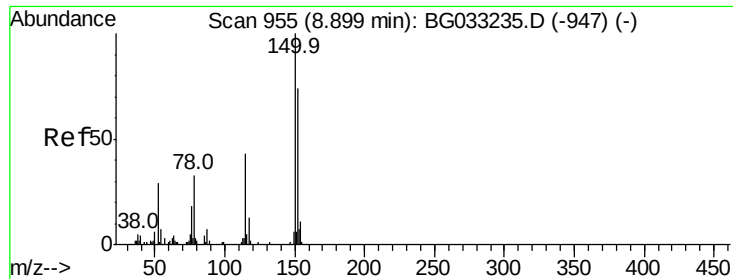
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.86 min Scan# 948

Delta R.T. -0.01 min

Lab File: BG033682.D

Acq: 9 Apr 2018 16:01

Instrument :

BNA_G

ClientSampleId :

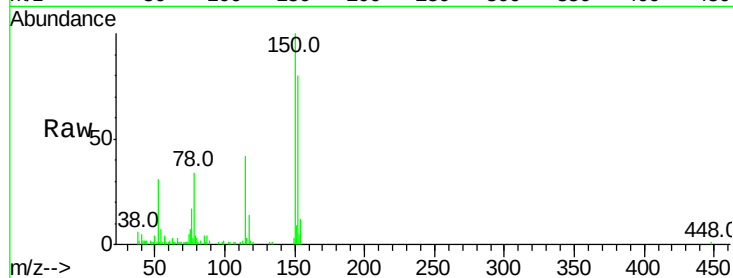
Tot Ion:152 Resp: 42647

Ion Ratio Lower Upper

152 100

150 125.7 126.6 189.8#

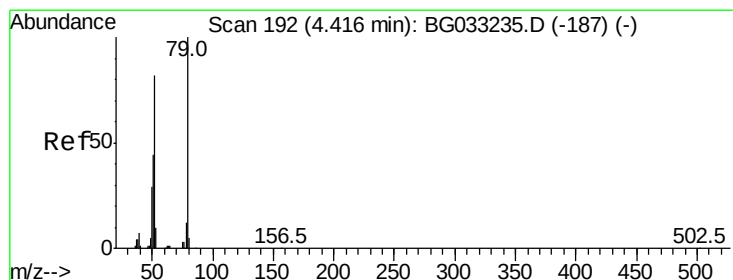
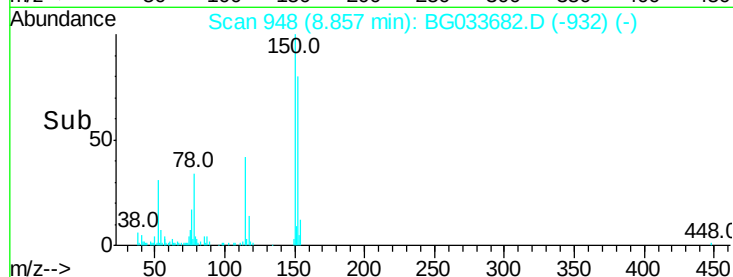
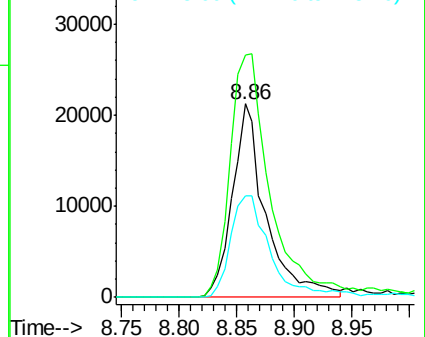
115 52.7 53.0 79.4#



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



#3

Pyridine

Concen: 7.448 ng

RT: 4.39 min Scan# 188

Delta R.T. -0.00 min

Lab File: BG033682.D

Acq: 9 Apr 2018 16:01

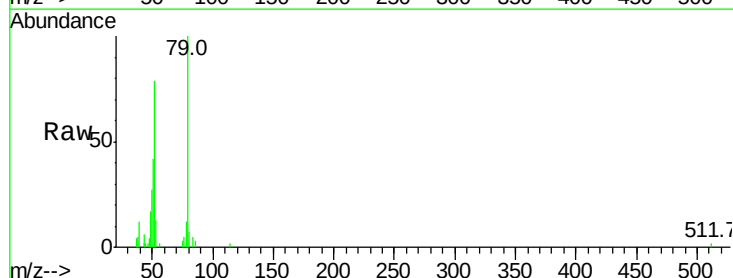
Tgt Ion: 79 Resp: 23780

Ion Ratio Lower Upper

79 100

52 79.5 69.9 104.9

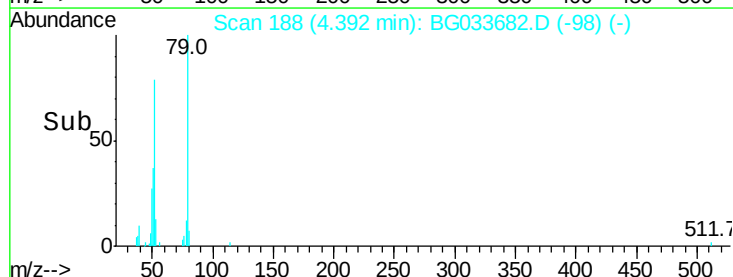
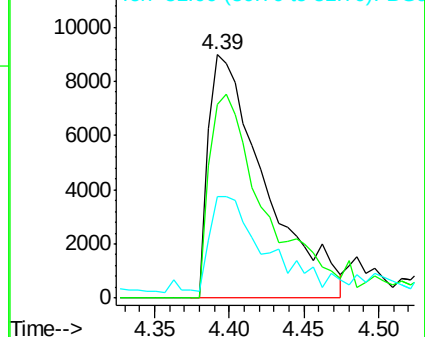
51 41.6 34.0 51.0

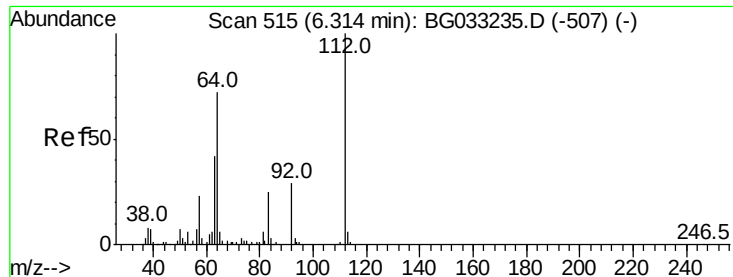


Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 52.00 (51.70 to 52.70): BGC

Ion 51.00 (50.70 to 51.70): BGC





#5

2-Fluorophenol

Concen: 61.988 ng

RT: 6.29 min Scan# 511

Delta R.T. -0.00 min

Lab File: BG033682.D

Acq: 9 Apr 2018 16:01

Instrument :

BNA_G

ClientSampled :

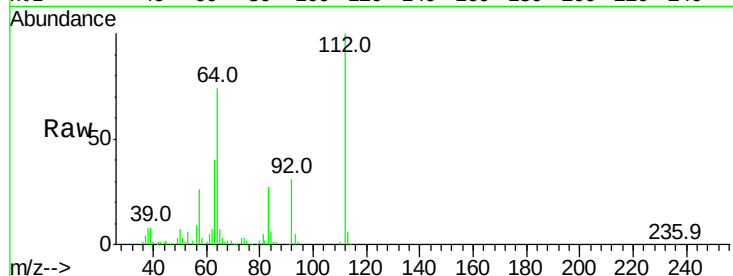
Tot Ion:112 Resp: 140982

Ion Ratio Lower Upper

112 100

64 74.1 56.3 84.5

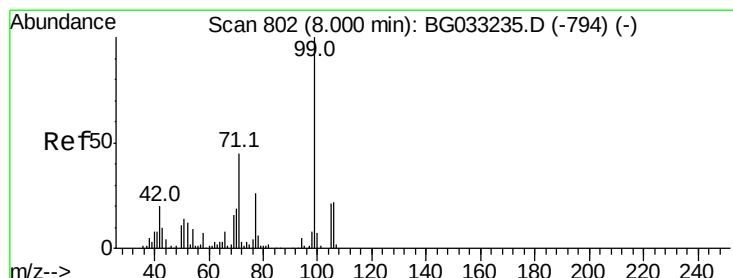
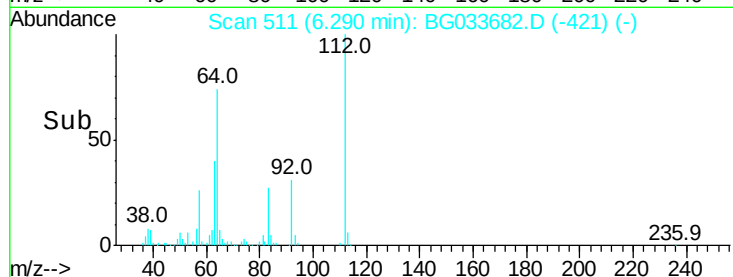
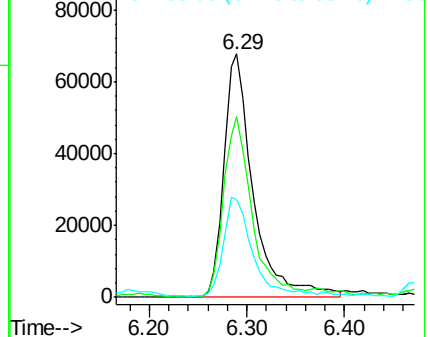
63 40.1 30.1 45.1



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



#7

Phenol-d6

Concen: 33.237 ng

RT: 7.97 min Scan# 797

Delta R.T. -0.00 min

Lab File: BG033682.D

Acq: 9 Apr 2018 16:01

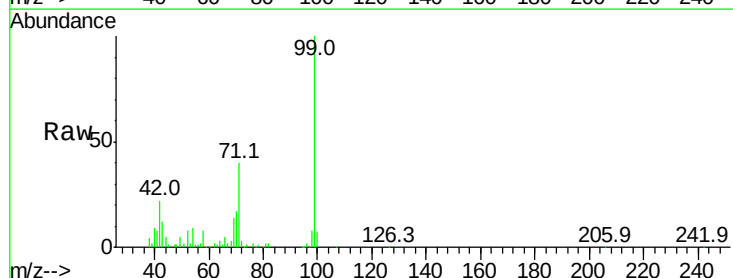
Tgt Ion: 99 Resp: 129885

Ion Ratio Lower Upper

99 100

42 21.6 14.1 21.1#

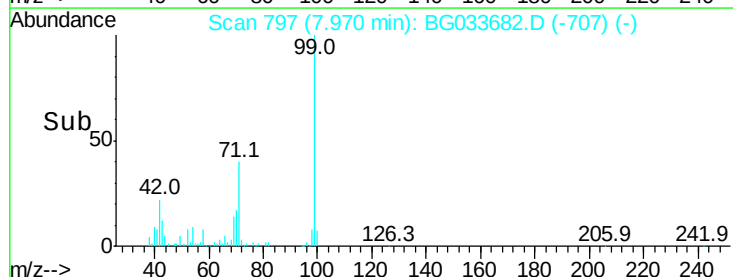
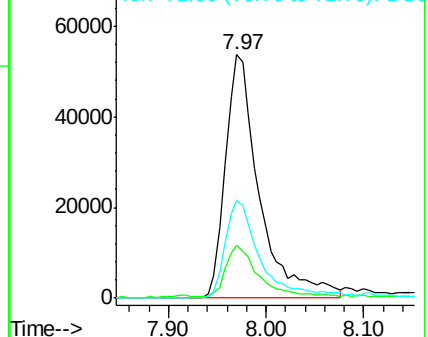
71 39.9 26.1 39.1#

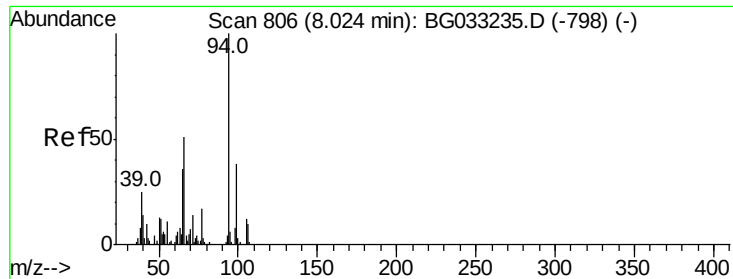


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC

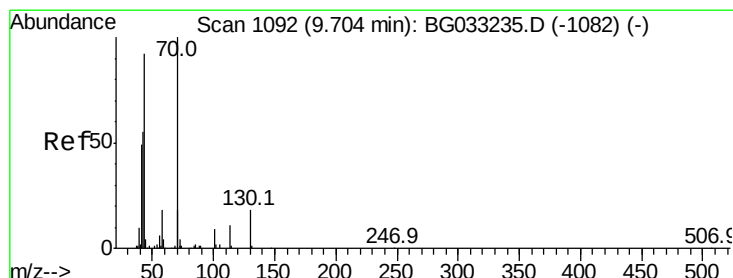
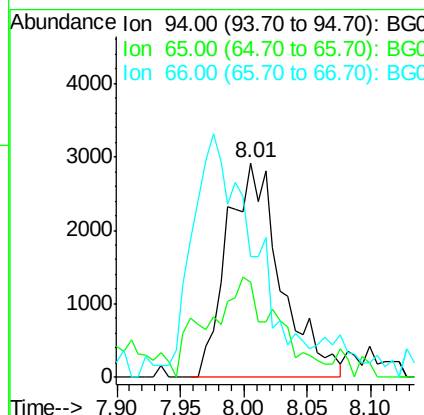
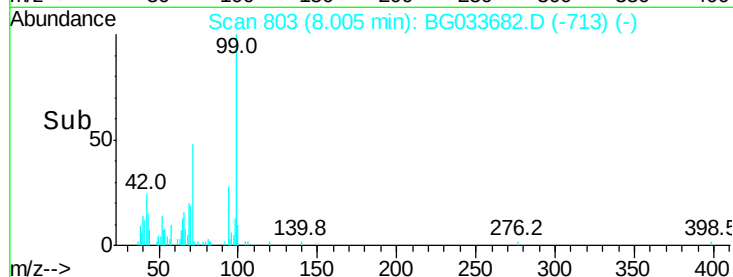
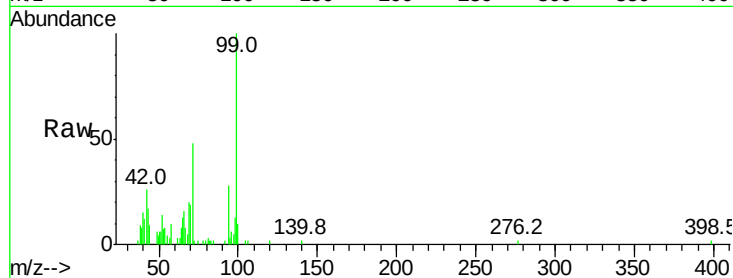




#10
Phenol
Concen: 2.237 ng
RT: 8.01 min Scan# 803
Delta R.T. -0.00 min
Lab File: BG033682.D
Acq: 9 Apr 2018 16:01

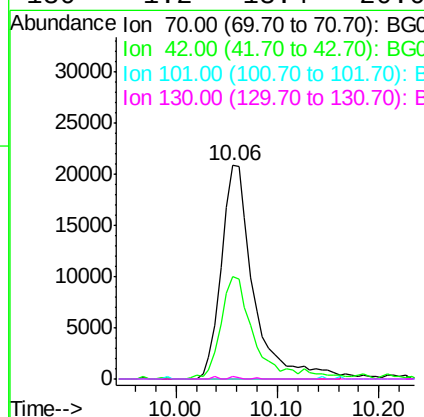
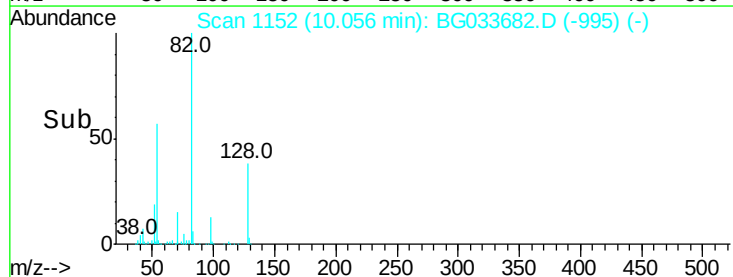
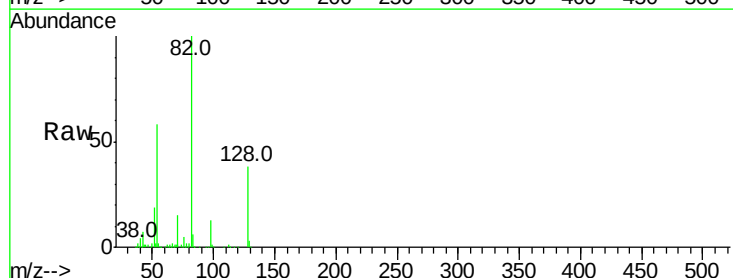
Instrument :
BNA_G
ClientSampleId :

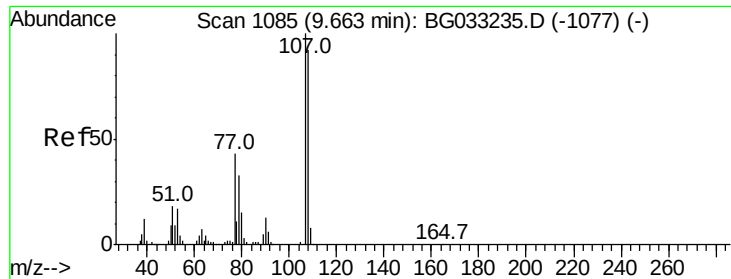
Tot Ion: 94 Resp: 8631
Ion Ratio Lower Upper
94 100
65 44.5 11.9 51.9
66 56.3 22.2 62.2



#19
n-Nitroso-di-n-propylamine
Concen: 16.074 ng
RT: 10.06 min Scan# 1152
Delta R.T. 0.39 min
Lab File: BG033682.D
Acq: 9 Apr 2018 16:01

Tgt Ion: 70 Resp: 46027
Ion Ratio Lower Upper
70 100
42 48.0 49.1 73.7#
101 0.0 8.5 12.7#
130 1.2 13.4 20.0#





#20

3+4-Methylphenols

Concen: 2.712 ng

RT: 9.63 min Scan# 1079

Delta R.T. -0.01 min

Lab File: BG033682.D

Acq: 9 Apr 2018 16:01

Instrument :

BNA_G

ClientSampled :

Tot Ion:107 Resp: 10150

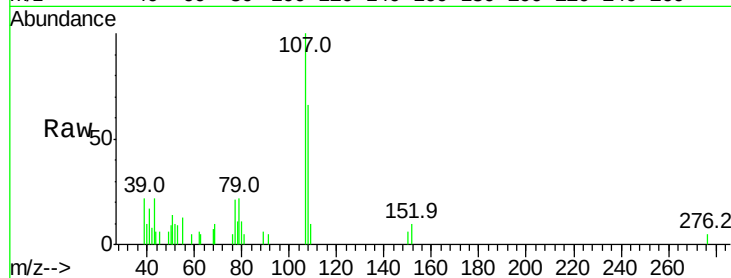
Ion Ratio Lower Upper

107 100

108 66.4 61.6 101.6

77 21.1 13.9 53.9

79 22.4 8.8 48.8

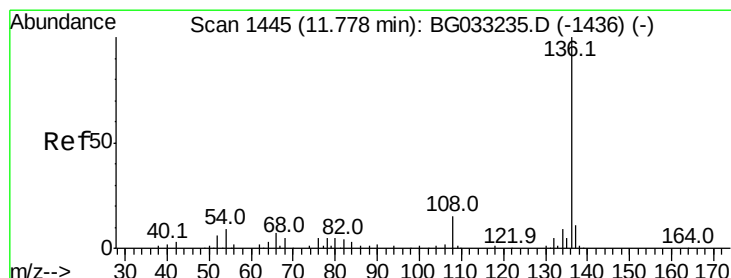
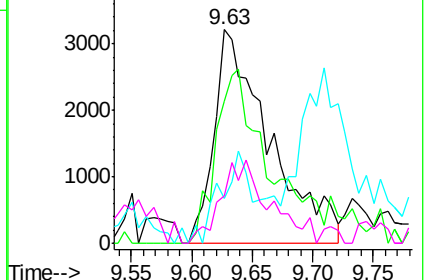
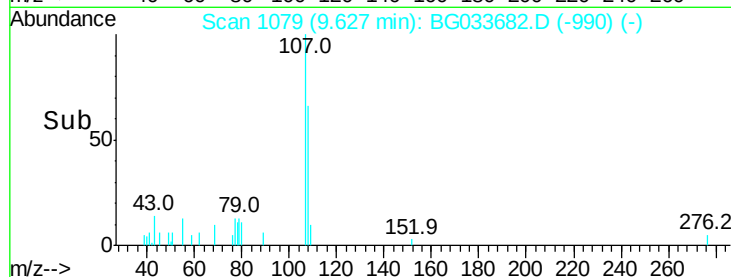


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.74 min Scan# 1439

Delta R.T. -0.00 min

Lab File: BG033682.D

Acq: 9 Apr 2018 16:01

Tgt Ion:136 Resp: 177995

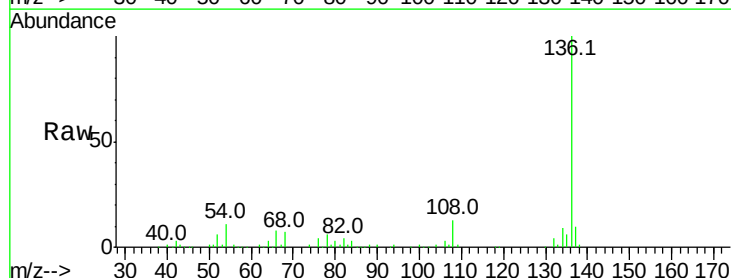
Ion Ratio Lower Upper

136 100

137 9.7 9.2 13.8

54 11.1 10.3 15.5

68 6.9 4.5 6.7#

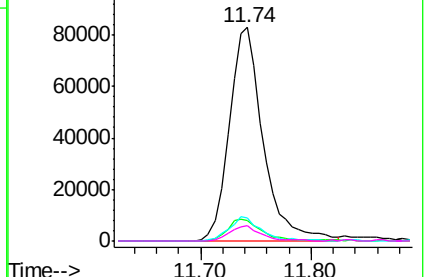
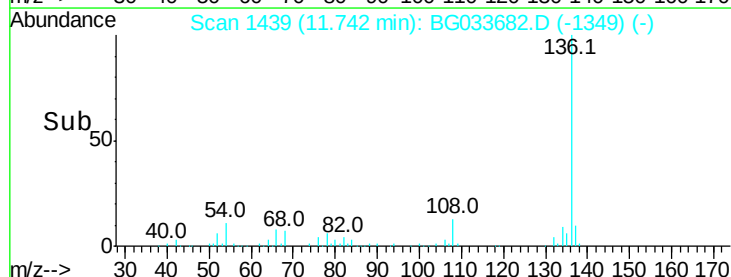


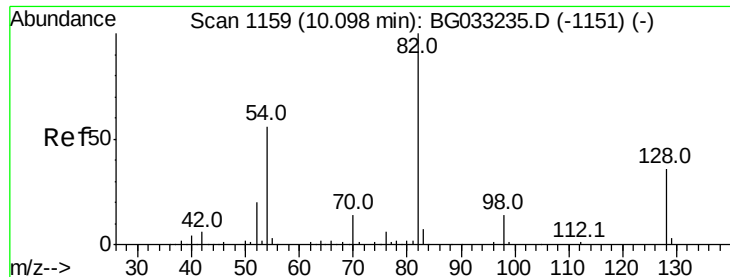
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC

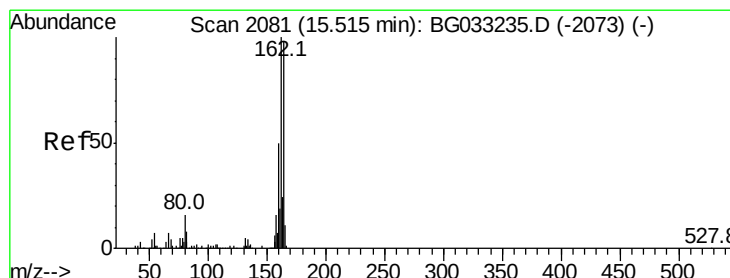
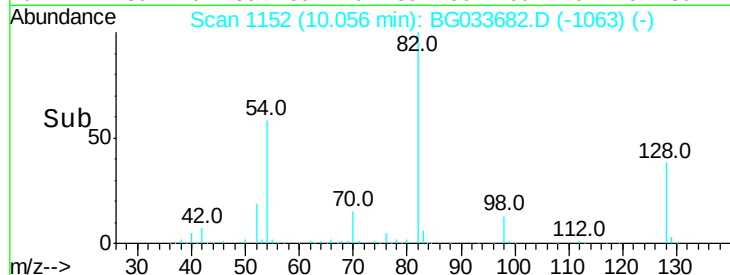
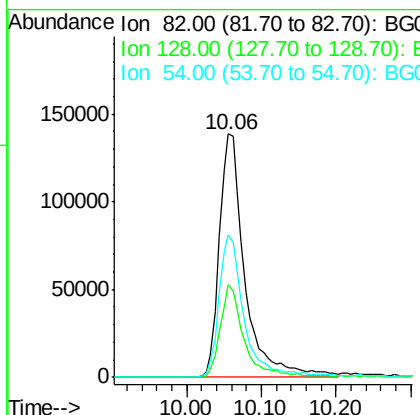
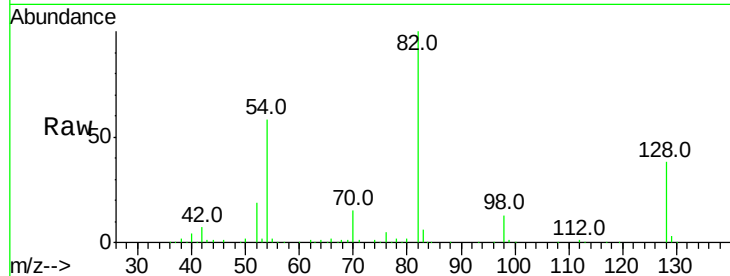




#23
 Nitrobenzene-d5
 Concen: 84.946 ng
 RT: 10.06 min Scan# 1152
 Delta R.T. -0.01 min
 Lab File: BG033682.D
 Acq: 9 Apr 2018 16:01

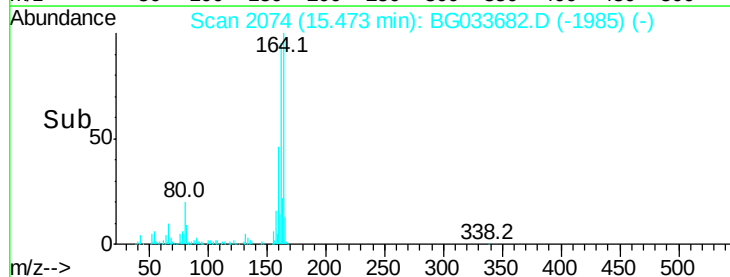
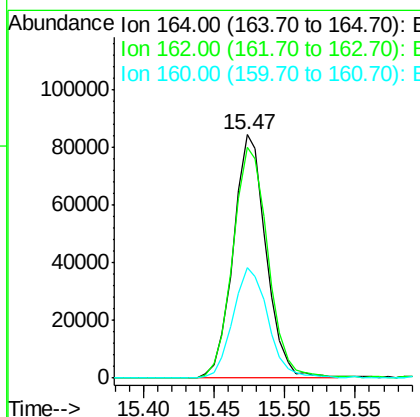
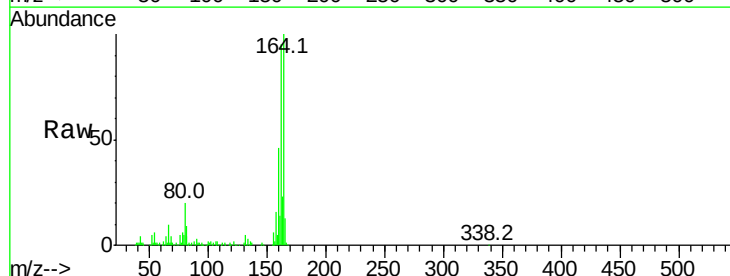
Instrument :
 BNA_G
 ClientSampleId :

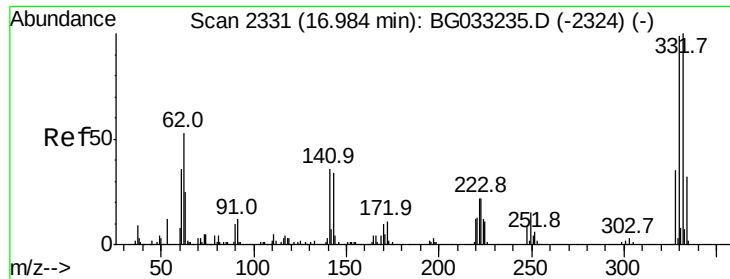
Tot Ion: 82 Resp: 329095
 Ion Ratio Lower Upper
 82 100
 128 38.1 29.7 44.5
 54 58.3 43.1 64.7



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 15.47 min Scan# 2074
 Delta R.T. -0.01 min
 Lab File: BG033682.D
 Acq: 9 Apr 2018 16:01

Tgt Ion:164 Resp: 136978
 Ion Ratio Lower Upper
 164 100
 162 94.9 78.8 118.2
 160 45.6 35.4 53.0

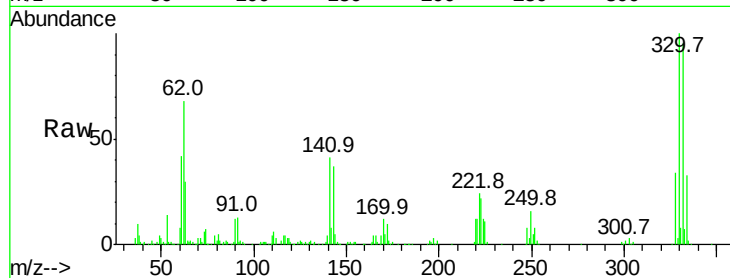




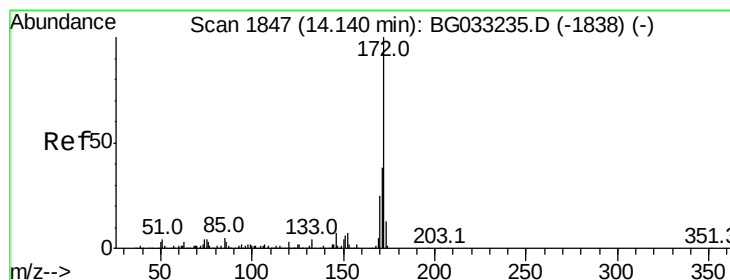
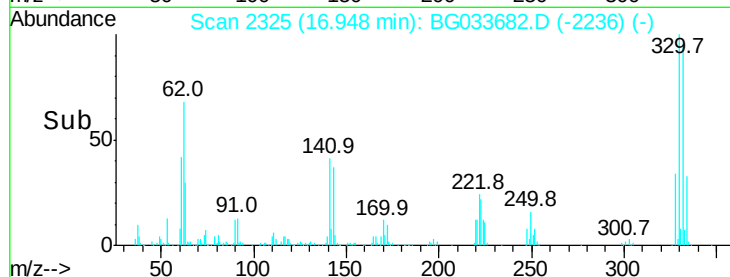
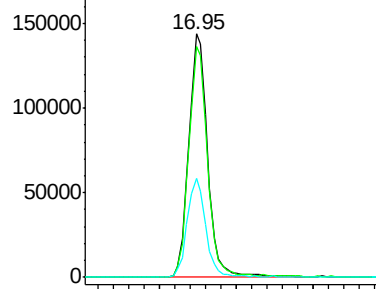
#41
 2,4,6-Tribromophenol
 Concen: 118.383 ng
 RT: 16.95 min Scan# 2325
 Delta R.T. -0.01 min
 Lab File: BG033682.D
 Acq: 9 Apr 2018 16:01

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.7	77.0	115.6
141	39.8	25.2	37.8#

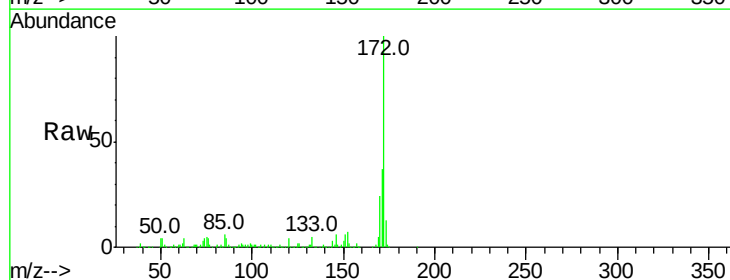


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

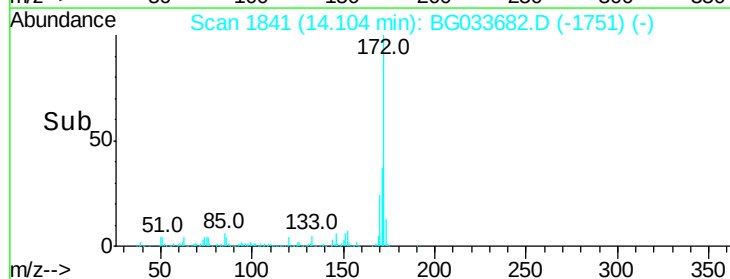
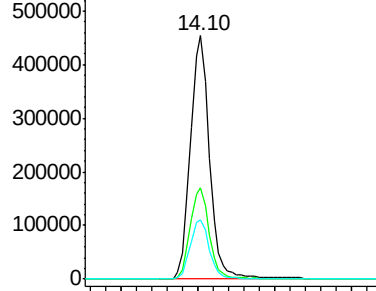


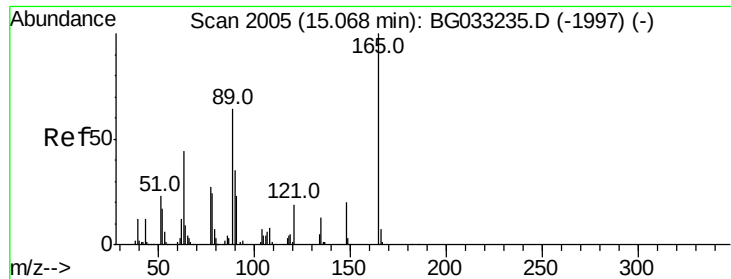
#44
 2-Fluorobiphenyl
 Concen: 82.980 ng
 RT: 14.10 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: BG033682.D
 Acq: 9 Apr 2018 16:01

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.4	30.0	45.0
170	24.2	19.5	29.3



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

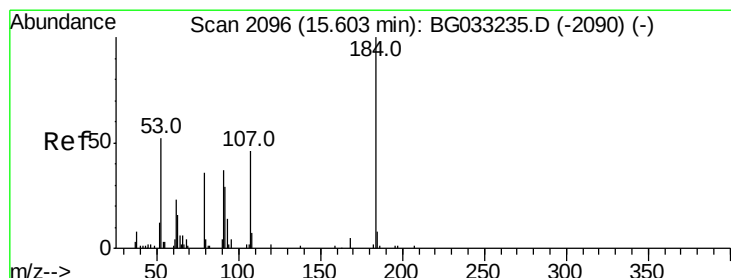
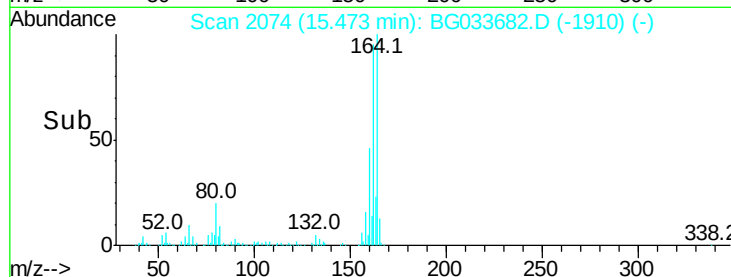
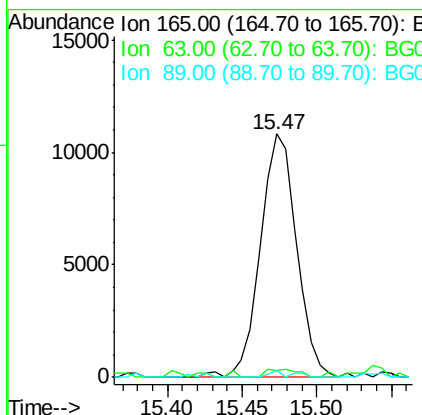
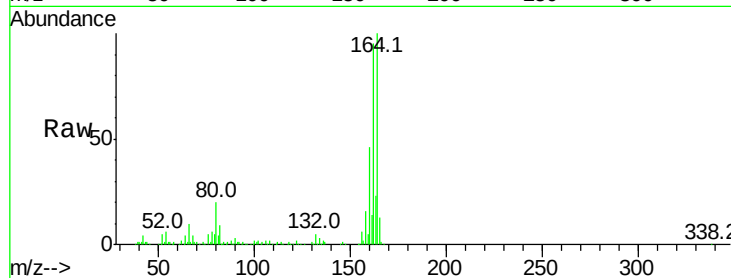




#50
 2,6-Dinitrotoluene
 Concen: 7.445 ng
 RT: 15.47 min Scan# 2074
 Delta R.T. 0.43 min
 Lab File: BG033682.D
 Acq: 9 Apr 2018 16:01

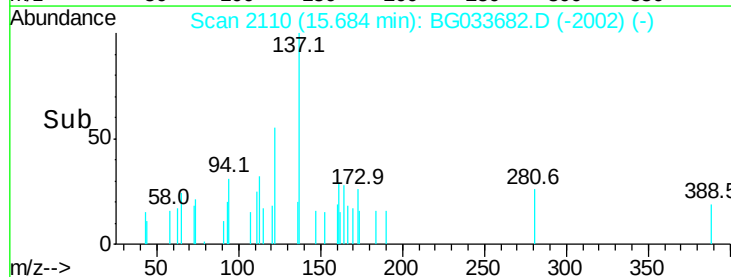
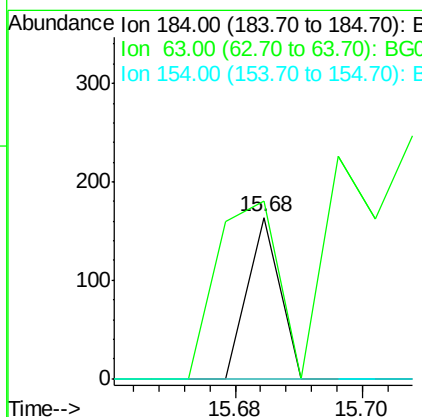
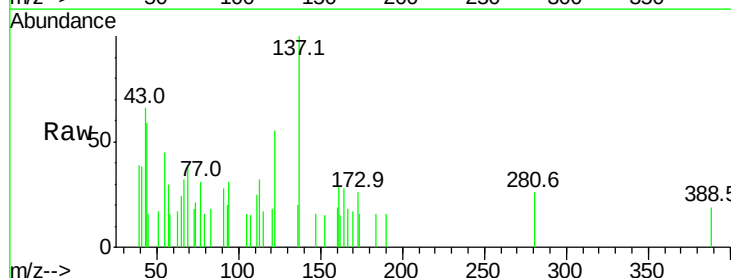
Instrument :
 BNA_G
 ClientSampleId :

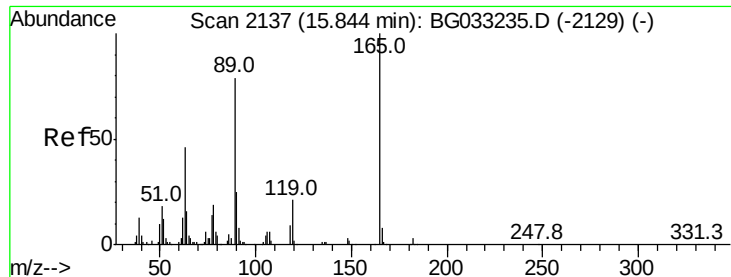
Tot Ion:165 Resp: 18146
 Ion Ratio Lower Upper
 165 100
 63 3.0 52.7 79.1#
 89 2.8 49.2 73.8#



#53
 2,4-Dinitrophenol
 Concen: 7.684 ng
 RT: 15.68 min Scan# 2110
 Delta R.T. 0.11 min
 Lab File: BG033682.D
 Acq: 9 Apr 2018 16:01

Tgt Ion:184 Resp: 58
 Ion Ratio Lower Upper
 184 100
 63 110.4 59.8 89.8#
 154 0.0 101.8 152.8#

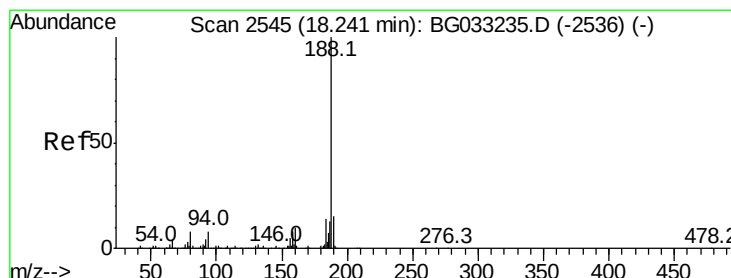
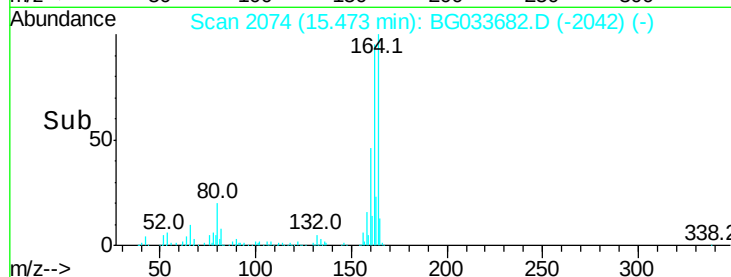
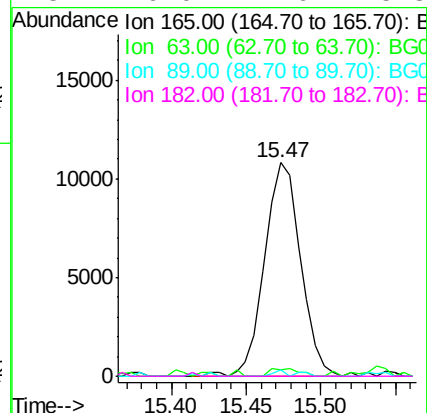
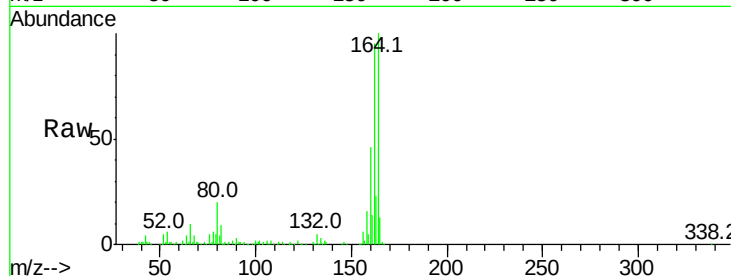




#56
2,4-Dinitrotoluene
Concen: 5.056 ng
RT: 15.47 min Scan# 2074
Delta R.T. -0.34 min
Lab File: BG033682.D
Acq: 9 Apr 2018 16:01

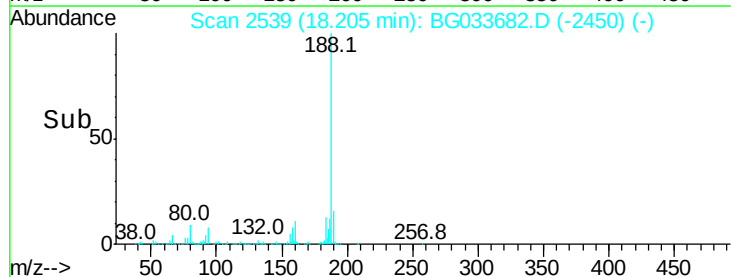
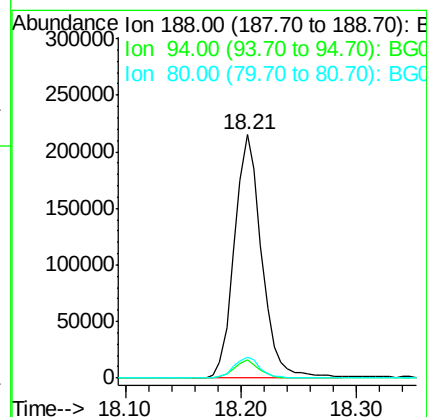
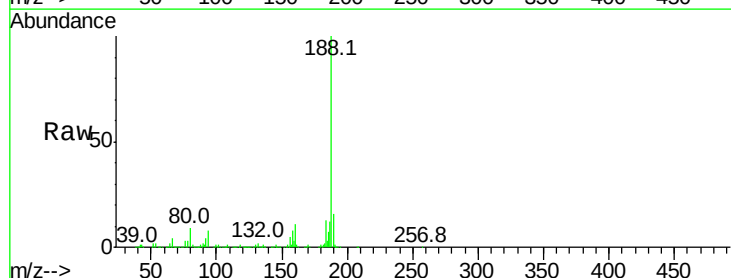
Instrument :
BNA_G
ClientSampleId :

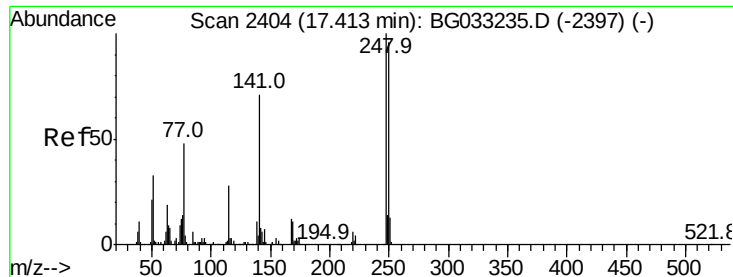
Tot Ion:165 Resp: 18146
Ion Ratio Lower Upper
165 100
63 3.0 42.0 63.0#
89 2.8 66.9 100.3#
182 0.0 2.6 3.8#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.21 min Scan# 2539
Delta R.T. -0.01 min
Lab File: BG033682.D
Acq: 9 Apr 2018 16:01

Tgt Ion:188 Resp: 352553
Ion Ratio Lower Upper
188 100
94 7.7 6.9 10.3
80 8.6 7.7 11.5

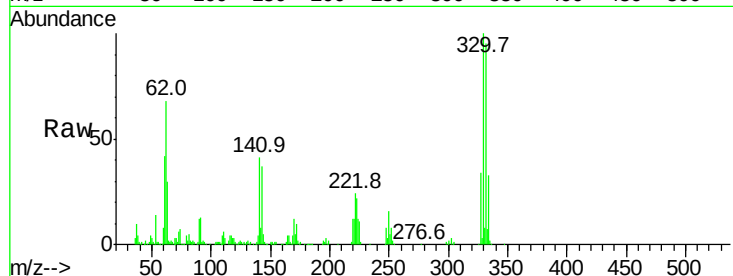




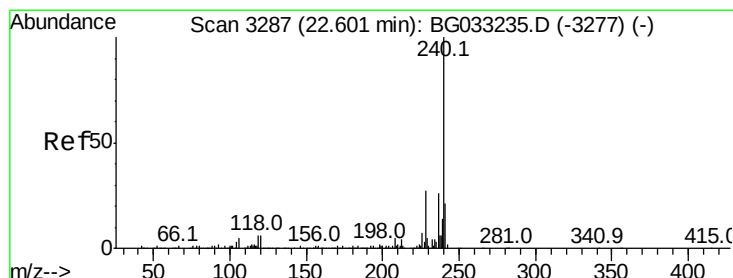
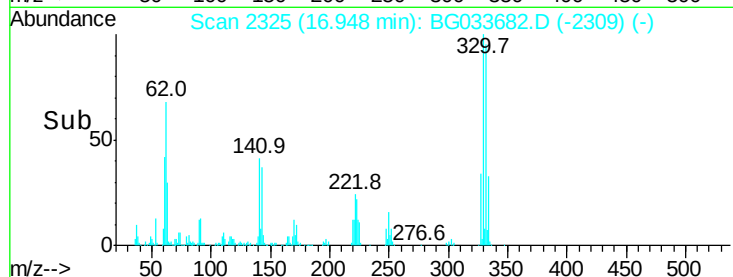
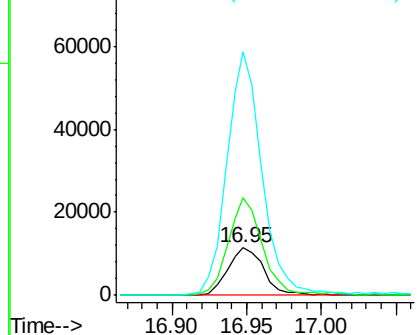
#66
4-Bromophenyl-phenylether
Concen: 4.654 ng
RT: 16.95 min Scan# 2325
Delta R.T. -0.44 min
Lab File: BG033682.D
Acq: 9 Apr 2018 16:01

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 19268
Ion Ratio Lower Upper
248 100
250 205.9 77.1 115.7#
141 510.3 50.8 76.2#

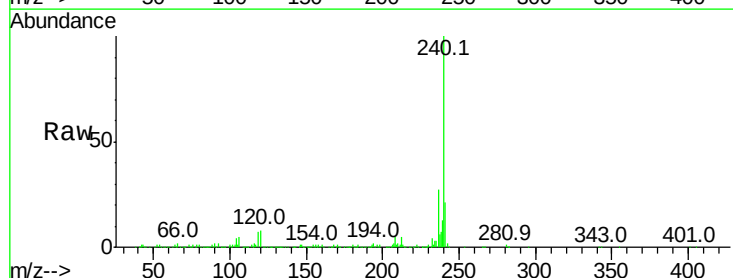


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

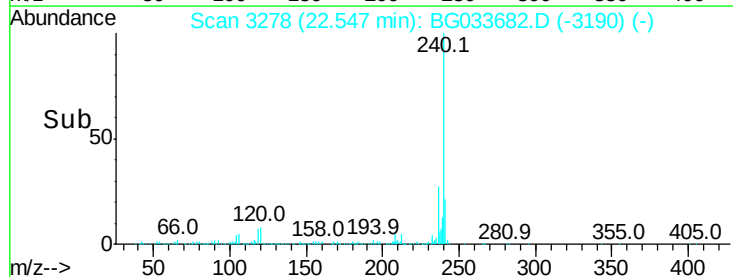
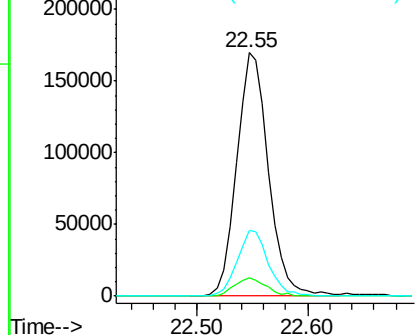


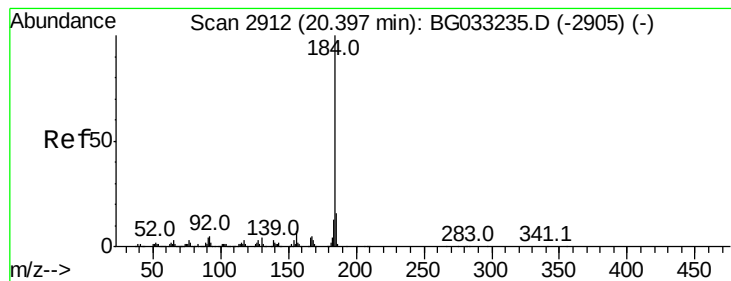
#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.55 min Scan# 3278
Delta R.T. -0.01 min
Lab File: BG033682.D
Acq: 9 Apr 2018 16:01

Tgt Ion:240 Resp: 343016
Ion Ratio Lower Upper
240 100
120 7.6 6.8 10.2
236 27.1 20.9 31.3



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 2.615 ng

RT: 20.73 min Scan# 2968

Delta R.T. 0.36 min

Lab File: BG033682.D

Acq: 9 Apr 2018 16:01

Instrument :

BNA_G

ClientSampleId :

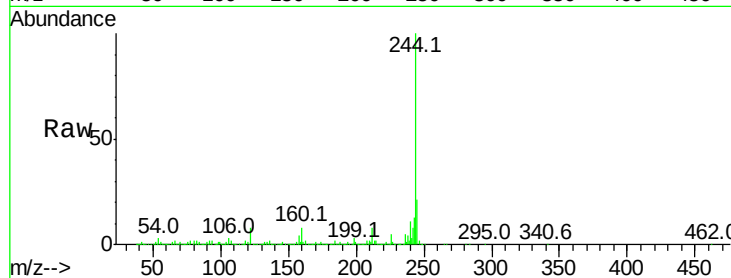
Tot Ion:184 Resp: 24329

Ion Ratio Lower Upper

184 100

185 18.6 11.1 16.7#

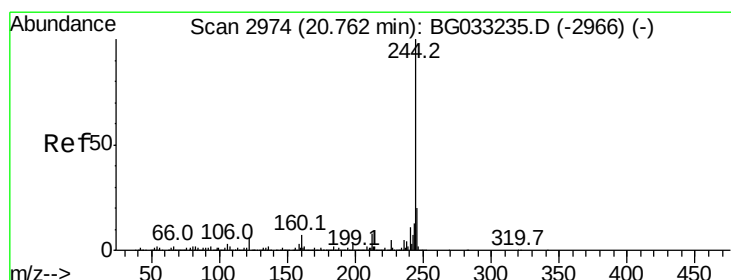
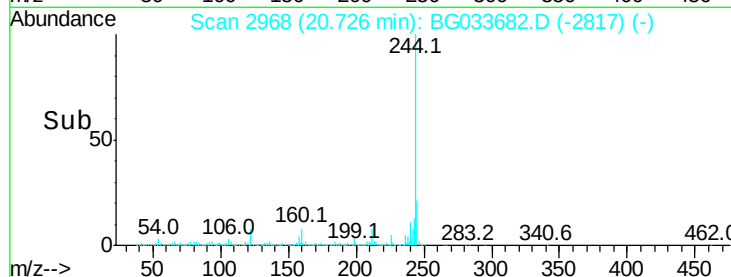
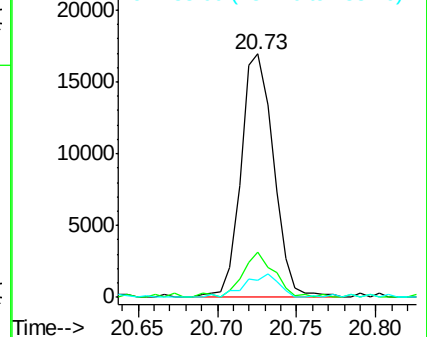
183 7.0 10.6 16.0#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Terphenyl-d14

Concen: 85.376 ng

RT: 20.73 min Scan# 2968

Delta R.T. -0.00 min

Lab File: BG033682.D

Acq: 9 Apr 2018 16:01

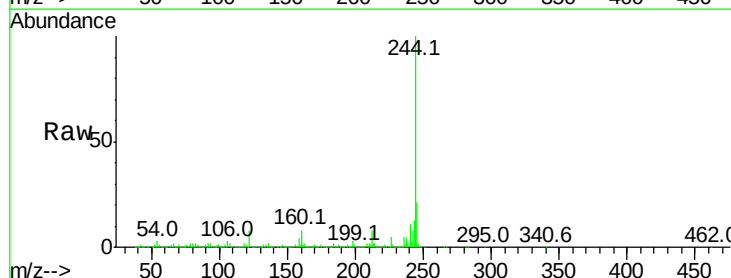
Tgt Ion:244 Resp: 1369368

Ion Ratio Lower Upper

244 100

212 8.4 5.8 8.8

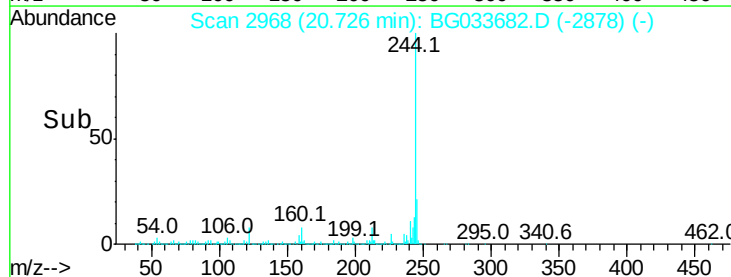
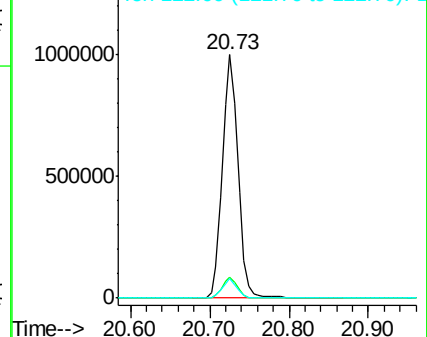
122 7.8 7.0 10.4

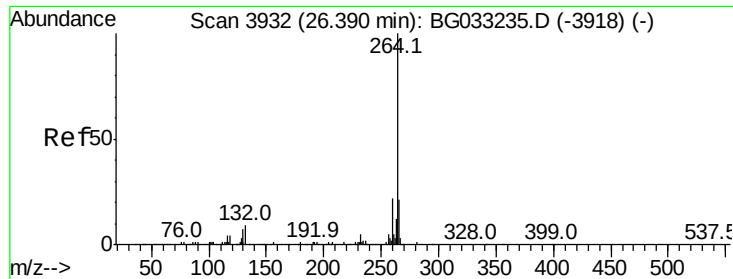


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

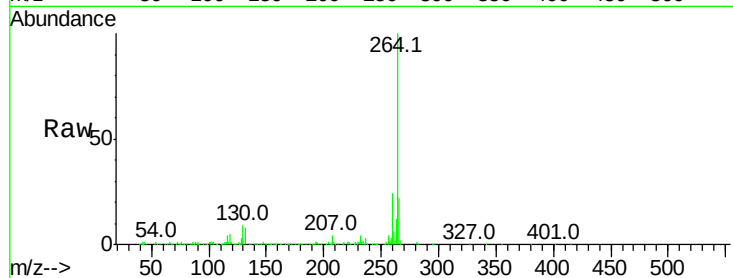




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 26.31 min Scan# 3919
 Delta R.T. -0.01 min
 Lab File: BG033682.D
 Acq: 9 Apr 2018 16:01

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.5	17.4	26.0
265	21.7	17.7	26.5



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E

