

Data Path : Z:\HPCHEM1\BNA G\DATA\BG031618\
 Data File : BG033203.D
 Acq On : 16 Mar 2018 17:23
 Operator : SJ/JU
 Sample : J1926-05
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 4517-21

Quant Time: Mar 17 05:20:16 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 14 13:59:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.89	152	35729	20.00	ng	0.00
21) Naphthalene-d8	11.78	136	140151	20.00	ng	0.00
38) Acenaphthene-d10	15.52	164	105609	20.00	ng	0.00
63) Phenanthrene-d10	18.24	188	305290	20.00	ng	0.00
75) Chrysene-d12	22.60	240	325949	20.00	ng	0.00
86) Perylene-d12	26.39	264	337887	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.31	112	309321	138.51	ng	0.00
7) Phenol-d6	8.00	99	441728	141.90	ng	0.00
23) Nitrobenzene-d5	10.10	82	327958	153.36	ng	0.00
41) 2,4,6-Tribromophenol	16.99	330	268355	241.66	ng	0.00
44) 2-Fluorobiphenyl	14.14	172	735741	100.48	ng	0.00
78) Terphenyl-d14	20.76	244	1563281	107.76	ng	0.00

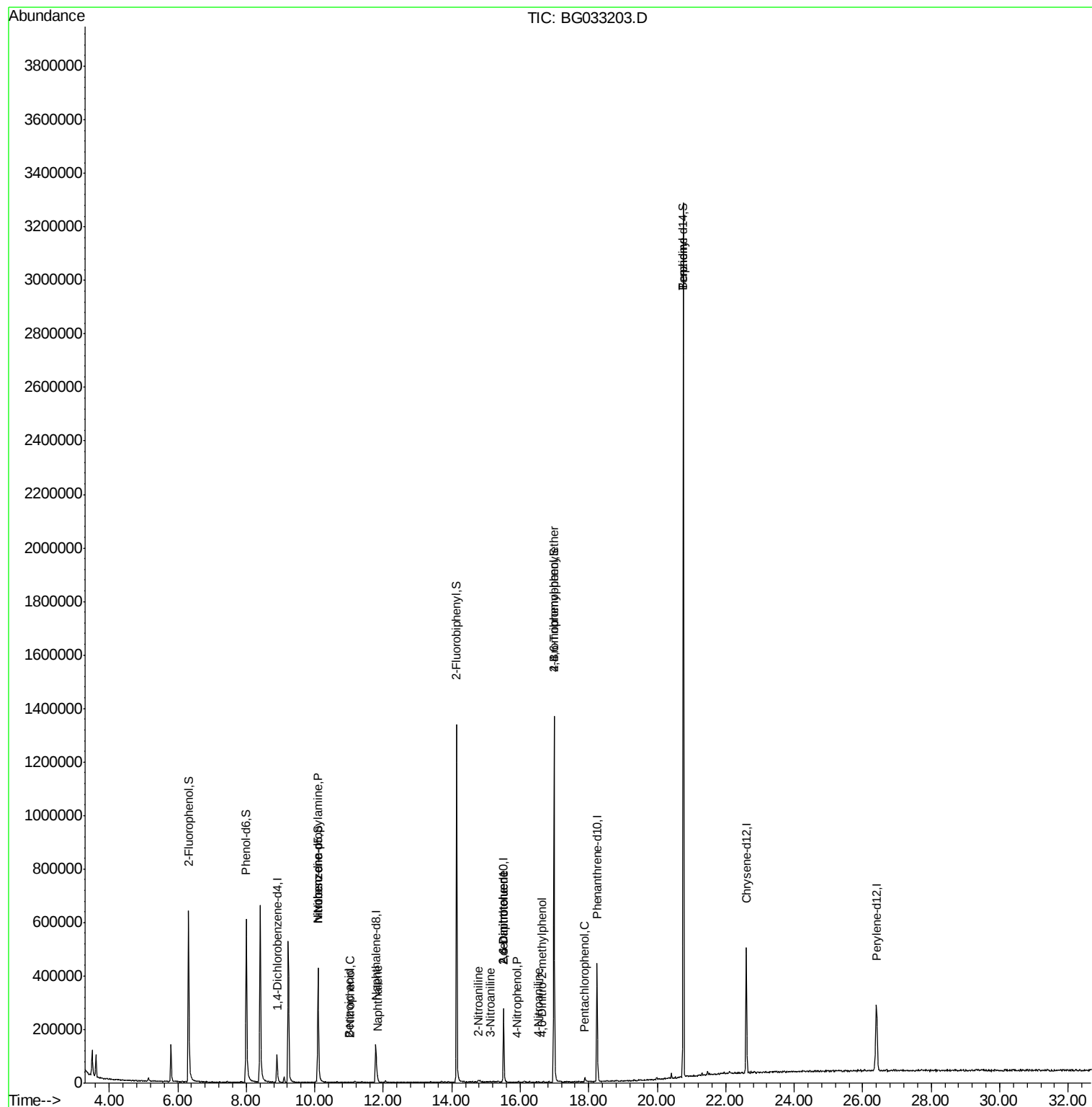
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	10.09	70	46628	21.218	ng	# 75
24) Nitrobenzene	10.09	77	1258	6.868	ng	# 45
26) 2-Nitrophenol	11.04	139	72	5.536	ng	# 29
31) Naphthalene	11.84	128	17200	2.349	ng	# 97
32) Benzoic acid	11.01	122	75	5.884	ng	# 21
47) 2-Nitroaniline	14.77	65	1734	10.629	ng	# 9
50) 2,6-Dinitrotoluene	15.51	165	13247	16.169	ng	# 20
52) 3-Nitroaniline	15.13	138	113	7.595	ng	# 1
55) 4-Nitrophenol	15.90	139	267	7.246	ng	# 1
56) 2,4-Dinitrotoluene	15.51	165	13247	14.365	ng	# 18
61) 4-Nitroaniline	16.53	138	61	5.328	ng	# 12
64) 4,6-Dinitro-2-methylphenol	16.63	198	80	5.059	ng	# 29
66) 4-Bromophenyl-phenylether	16.98	248	20108	6.229	ng	# 1
69) Pentachlorophenol	17.89	266	4439	2.020	ng	# 75
76) Benzidine	20.76	184	26544	2.389	ng	# 94

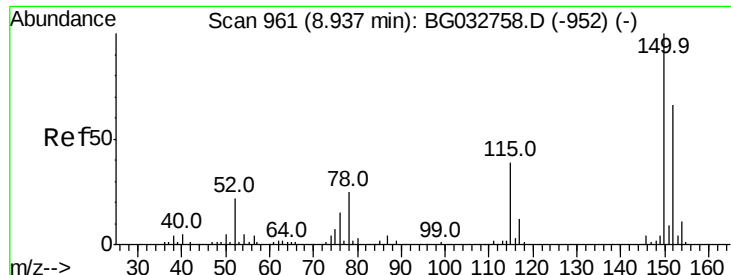
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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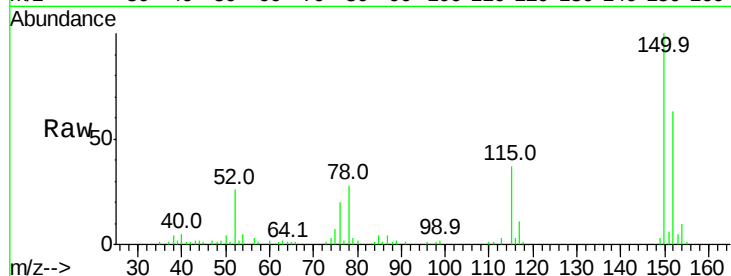


#1

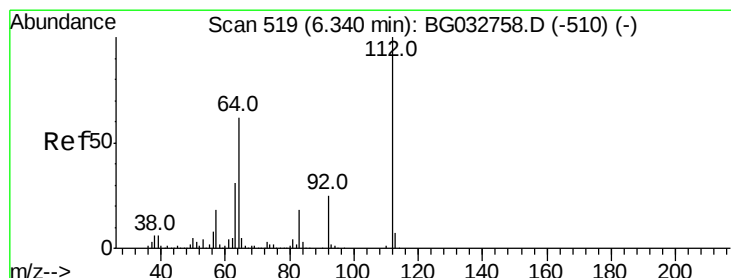
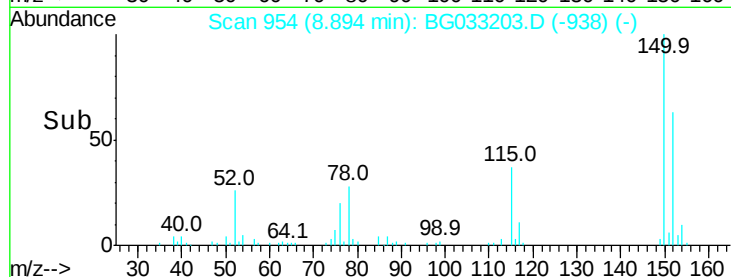
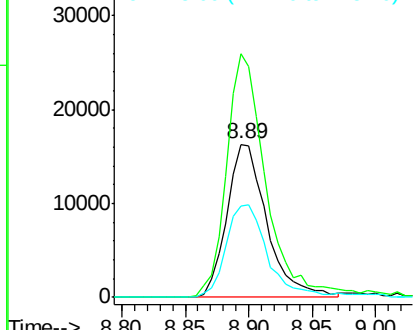
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.89 min Scan# 954
Delta R.T. -0.00 min
Lab File: BG033203.D
Acq: 16 Mar 2018 17:23

Instrument :
BNA_G
ClientSampleId :
4517-21

Tot Ion:152 Resp: 35729
Ion Ratio Lower Upper
152 100
150 159.2 126.6 189.8
115 59.6 53.0 79.4



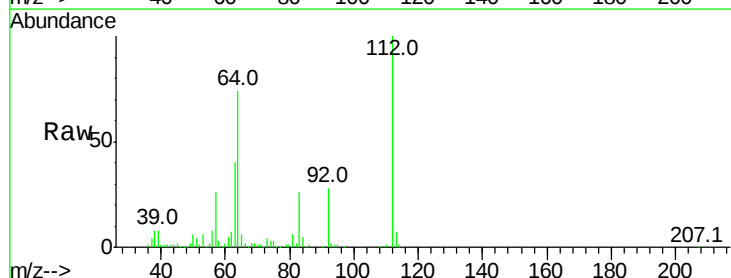
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



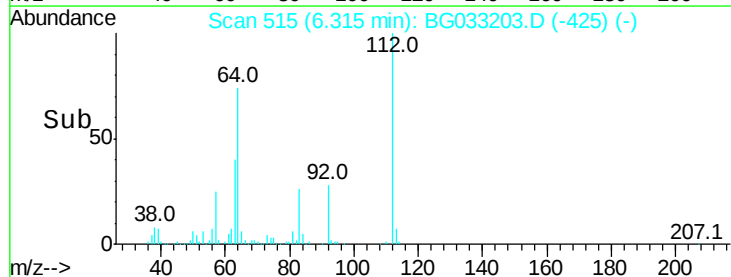
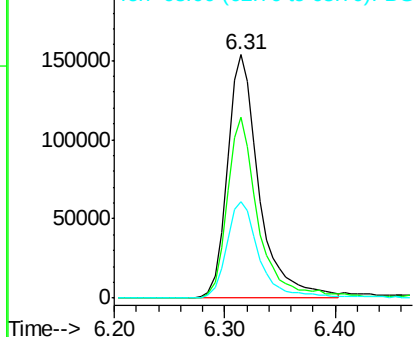
#5

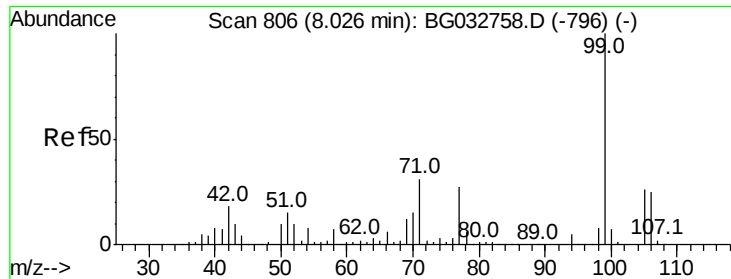
2-Fluorophenol
Concen: 138.506 ng
RT: 6.31 min Scan# 515
Delta R.T. -0.00 min
Lab File: BG033203.D
Acq: 16 Mar 2018 17:23

Tgt Ion:112 Resp: 309321
Ion Ratio Lower Upper
112 100
64 74.4 56.3 84.5
63 39.6 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: 141.904 ng

RT: 8.00 min Scan# 802

Delta R.T. -0.01 min

Lab File: BG033203.D

Acq: 16 Mar 2018 17:23

Instrument :

BNA_G

ClientSampleId :

4517-21

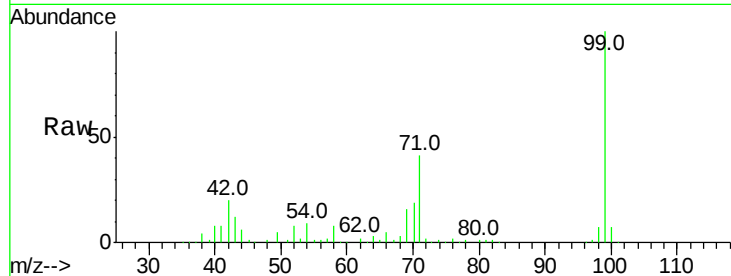
Tot Ion: 99 Resp: 441728

Ion Ratio Lower Upper

99 100

42 20.2 14.1 21.1

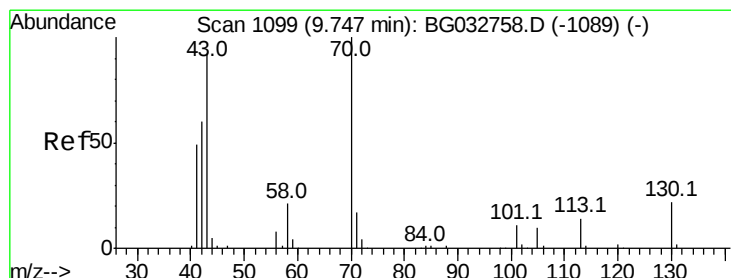
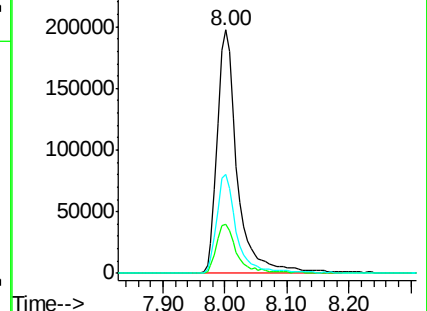
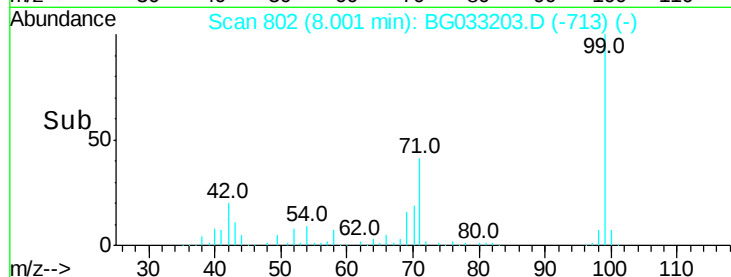
71 40.6 26.1 39.1#



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



#19

n-Nitroso-di-n-propylamine

Concen: 21.218 ng

RT: 10.09 min Scan# 1158

Delta R.T. 0.38 min

Lab File: BG033203.D

Acq: 16 Mar 2018 17:23

Tgt Ion: 70 Resp: 46628

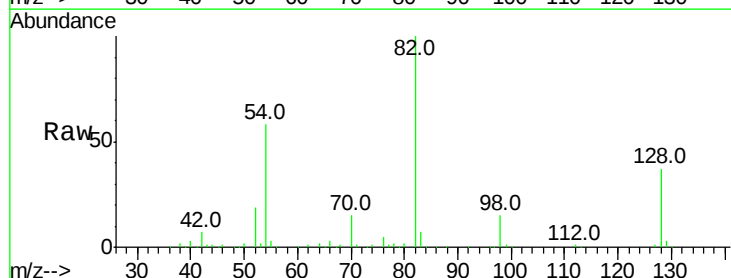
Ion Ratio Lower Upper

70 100

42 44.5 49.1 73.7#

101 0.0 8.5 12.7#

130 2.1 13.4 20.0#

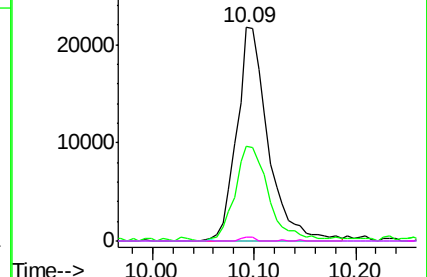
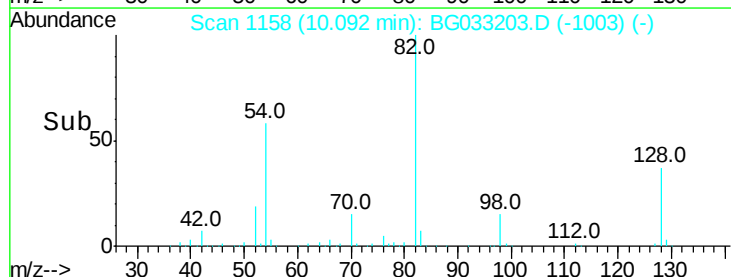


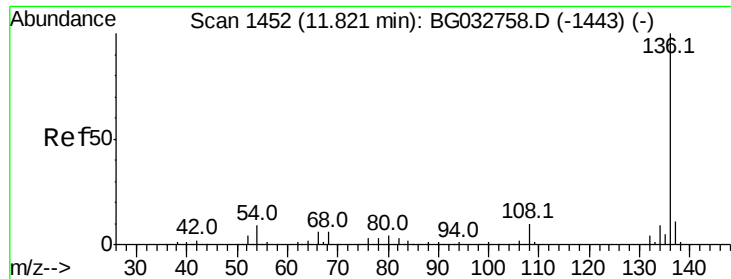
Abundance Ion 70.00 (69.70 to 70.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 101.00 (100.70 to 101.70): BGC

Ion 130.00 (129.70 to 130.70): BGC

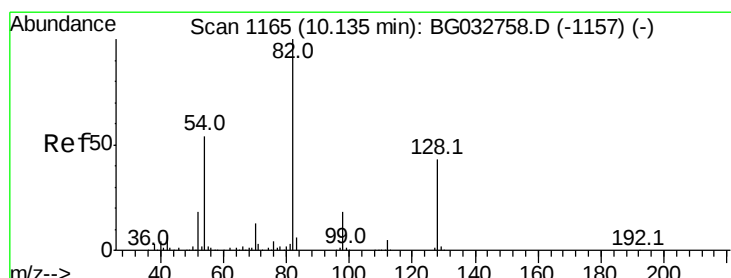
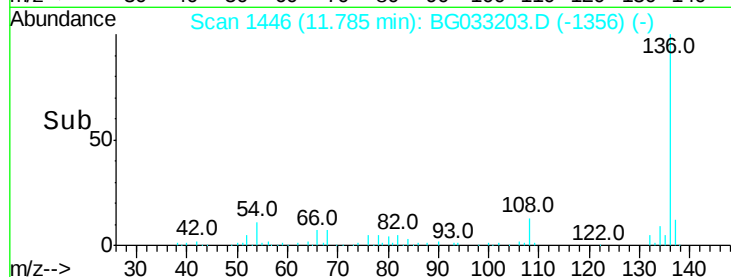
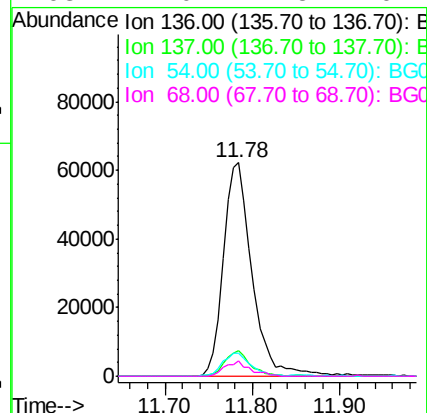
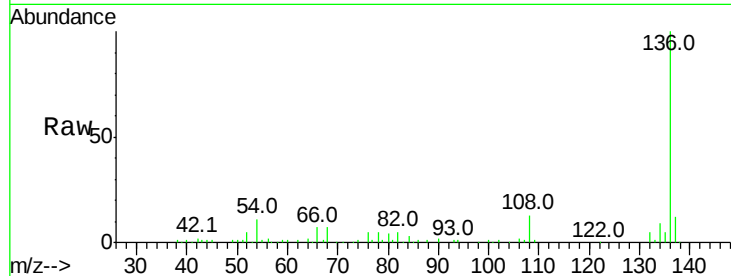




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.78 min Scan# 1446
Delta R.T. -0.00 min
Lab File: BG033203.D
Acq: 16 Mar 2018 17:23

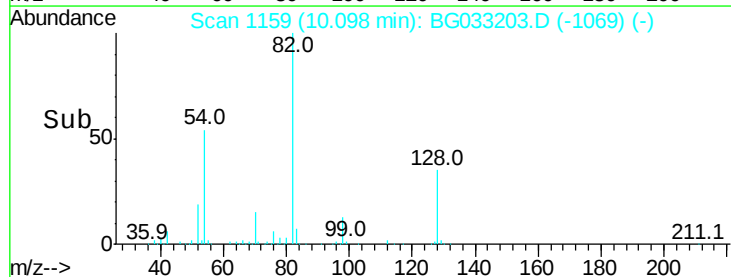
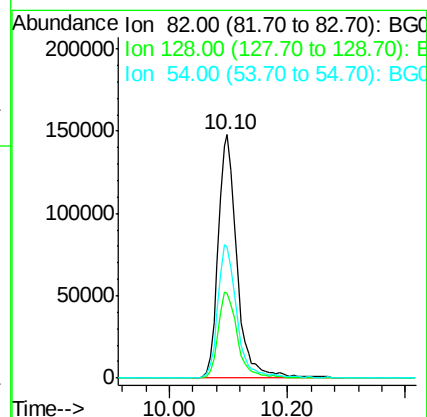
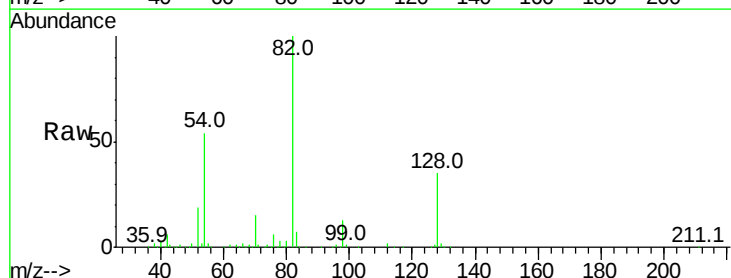
Instrument :
BNA_G
ClientSampled :
4517-21

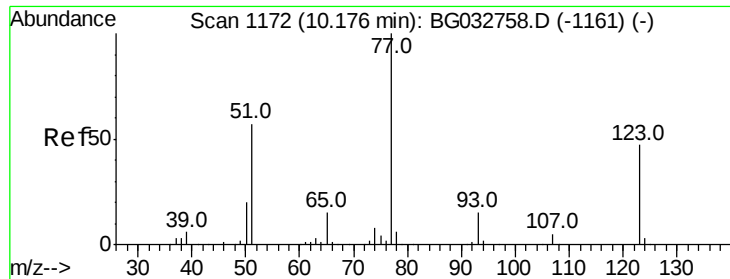
Tot Ion:	136	Resp:	140151
Ion	Ratio	Lower	Upper
136	100		
137	11.9	9.2	13.8
54	10.9	10.3	15.5
68	7.0	4.5	6.7#



#23
Nitrobenzene-d5
Concen: 153.362 ng
RT: 10.10 min Scan# 1159
Delta R.T. -0.00 min
Lab File: BG033203.D
Acq: 16 Mar 2018 17:23

Tgt Ion:	82	Resp:	327958
Ion	Ratio	Lower	Upper
82	100		
128	34.6	29.7	44.5
54	53.6	43.1	64.7





#24

Nitrobenzene

Concen: 6.868 ng

RT: 10.09 min Scan# 1158

Delta R.T. -0.05 min

Lab File: BG033203.D

Acq: 16 Mar 2018 17:23

Instrument :

BNA_G

ClientSampleId :

4517-21

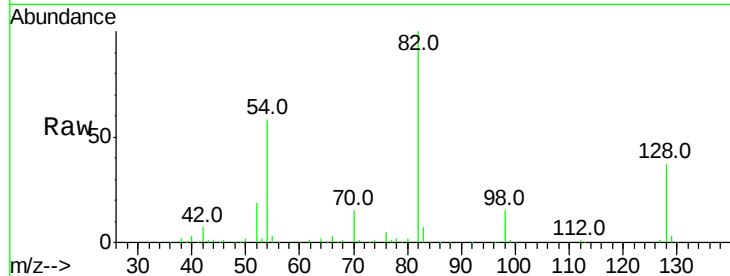
Tot Ion: 77 Resp: 1258

Ion Ratio Lower Upper

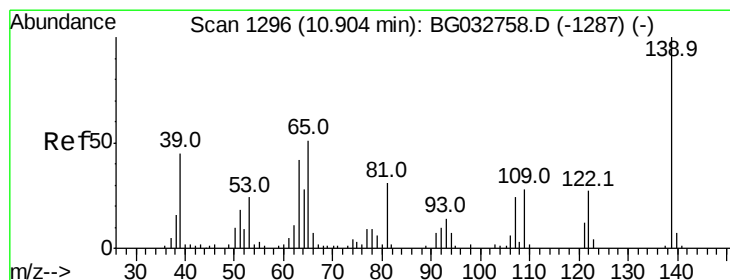
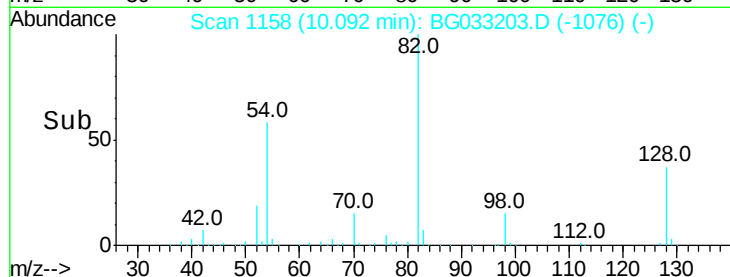
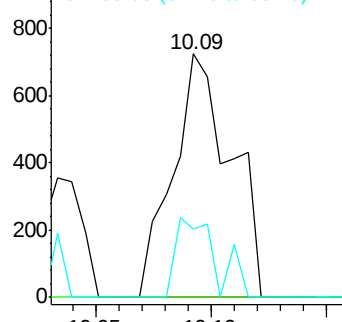
77 100

123 0.0 33.0 49.6#

65 27.9 13.0 19.6#



Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 123.00 (122.70 to 123.70): BGC
Ion 65.00 (64.70 to 65.70): BGC



#26

2-Nitrophenol

Concen: 5.536 ng

RT: 11.04 min Scan# 1319

Delta R.T. 0.17 min

Lab File: BG033203.D

Acq: 16 Mar 2018 17:23

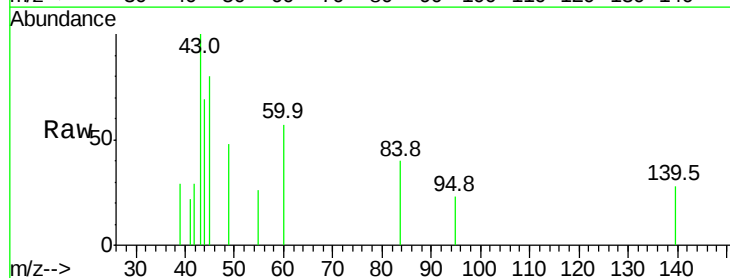
Tgt Ion: 139 Resp: 72

Ion Ratio Lower Upper

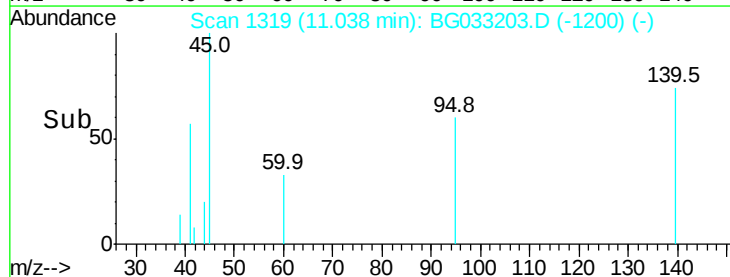
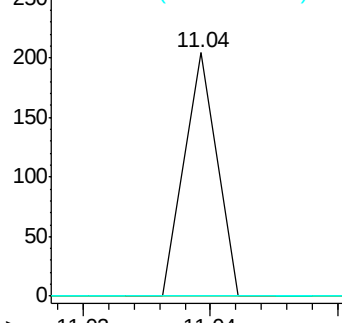
139 100

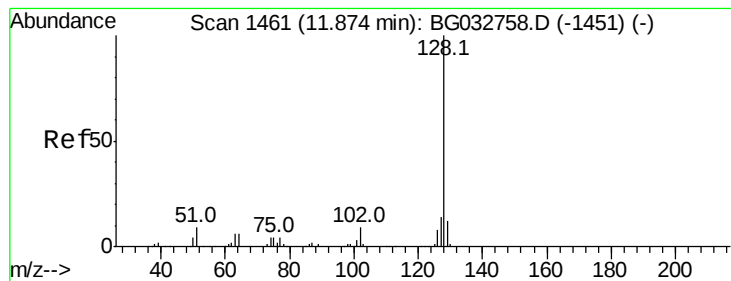
109 0.0 24.2 36.2#

65 0.0 47.4 71.0#



Abundance Ion 139.00 (138.70 to 139.70): BGC
Ion 109.00 (108.70 to 109.70): BGC
Ion 65.00 (64.70 to 65.70): BGC





#31

Naphthalene

Concen: 2.349 ng

RT: 11.84 min Scan# 1455

Delta R.T. -0.00 min

Lab File: BG033203.D

Acq: 16 Mar 2018 17:23

Instrument :

BNA_G

ClientSampleId :

4517-21

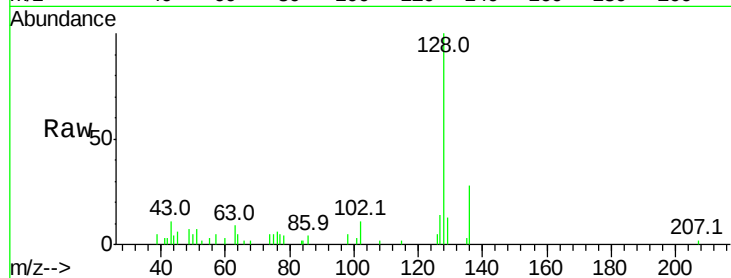
Tot Ion:128 Resp: 17200

Ion Ratio Lower Upper

128 100

129 12.6 8.6 12.8

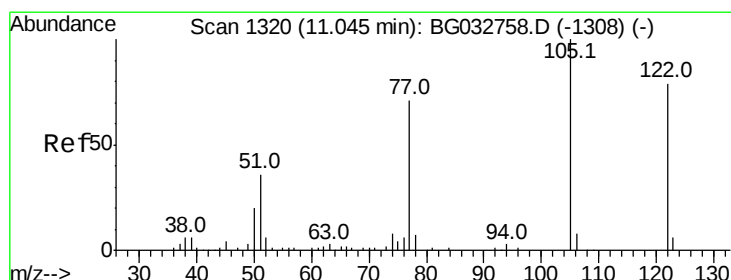
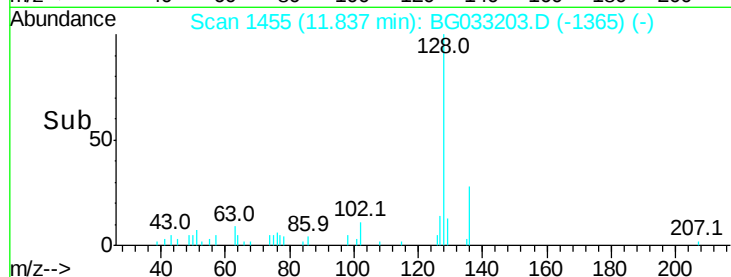
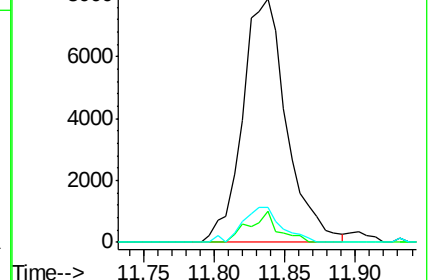
127 14.2 11.6 17.4



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 5.884 ng

RT: 11.01 min Scan# 1315

Delta R.T. 0.04 min

Lab File: BG033203.D

Acq: 16 Mar 2018 17:23

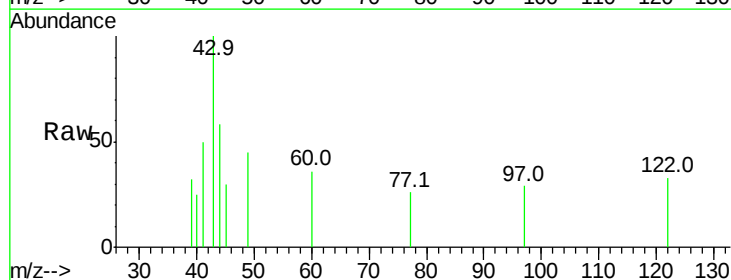
Tgt Ion:122 Resp: 75

Ion Ratio Lower Upper

122 100

105 0.0 123.5 163.5#

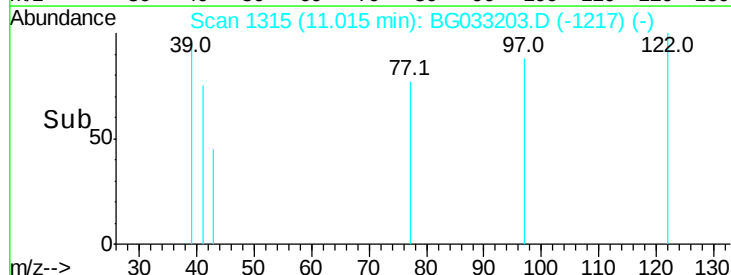
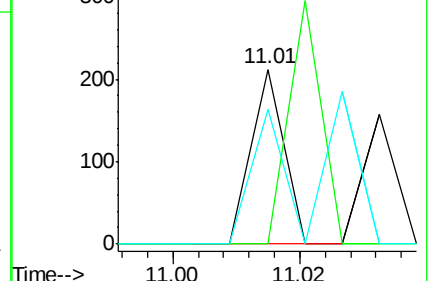
77 77.4 85.7 125.7#

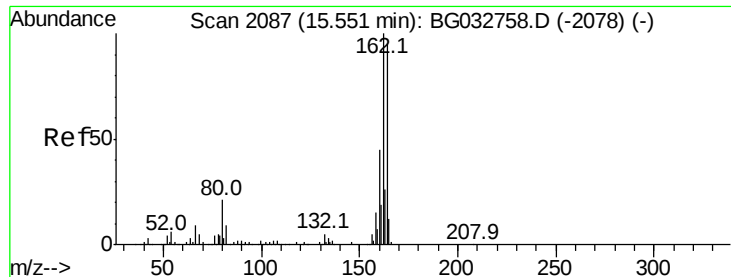


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BG





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.52 min Scan# 2081

Delta R.T. -0.00 min

Lab File: BG033203.D

Acq: 16 Mar 2018 17:23

Instrument :

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ClientSampleId :

4517-21

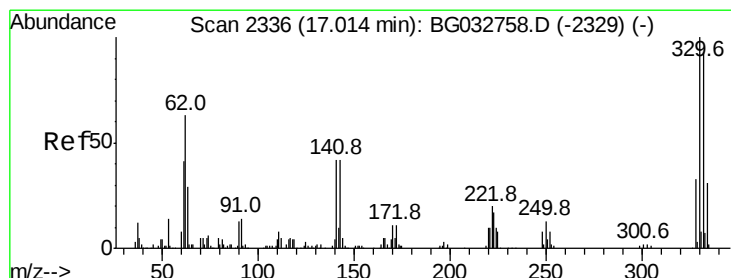
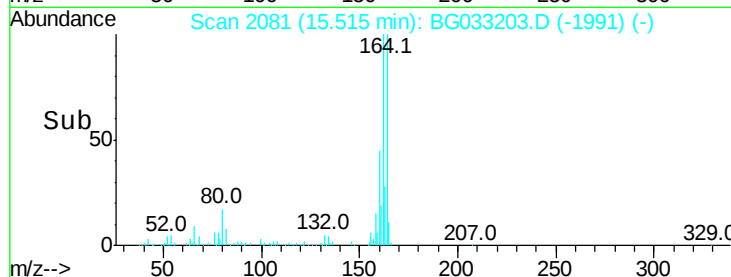
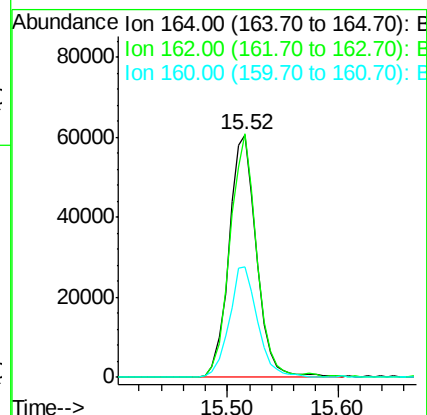
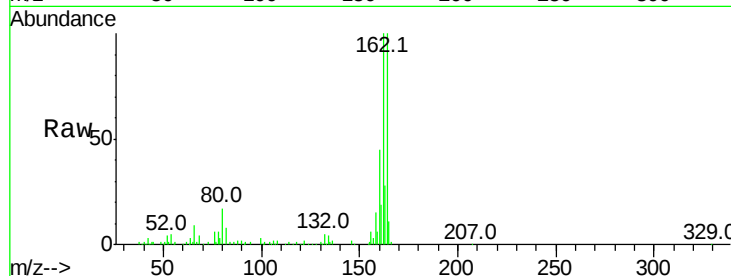
Tot Ion:164 Resp: 105609

Ion Ratio Lower Upper

164 100

162 100.3 78.8 118.2

160 45.5 35.4 53.0



#41

2,4,6-Tribromophenol

Concen: 241.665 ng

RT: 16.99 min Scan# 2332

Delta R.T. -0.00 min

Lab File: BG033203.D

Acq: 16 Mar 2018 17:23

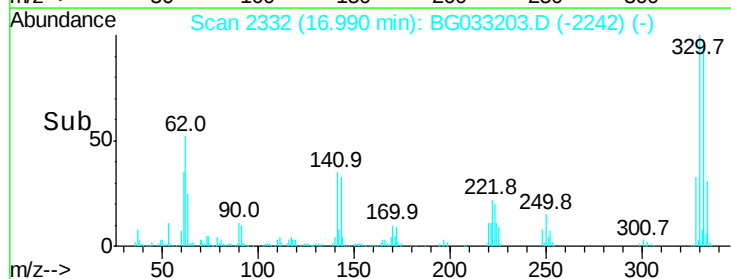
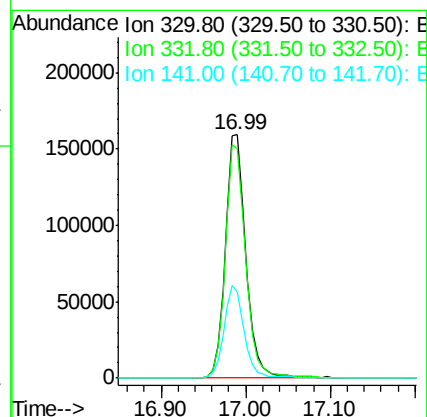
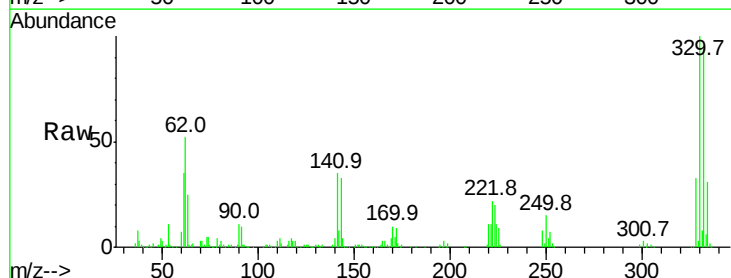
Tgt Ion:330 Resp: 268355

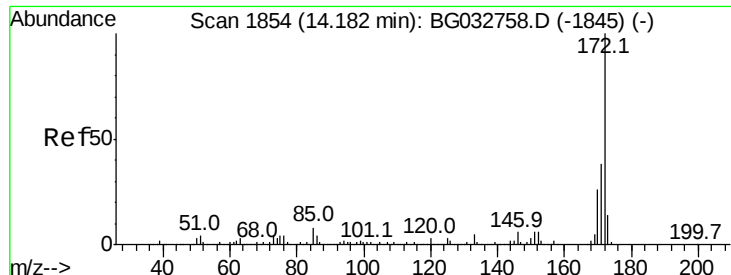
Ion Ratio Lower Upper

330 100

332 95.5 77.0 115.6

141 37.6 25.2 37.8

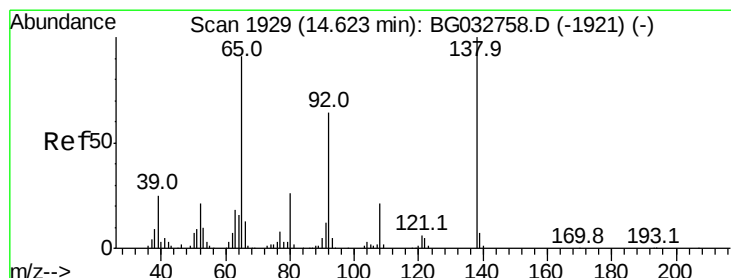
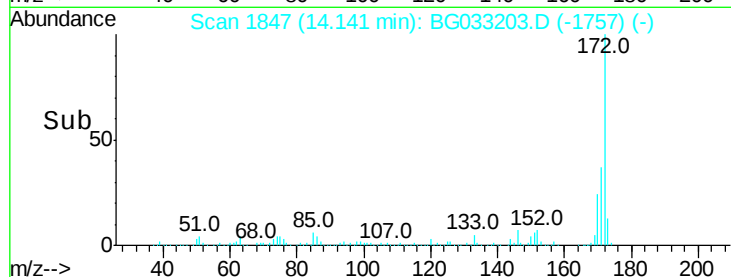
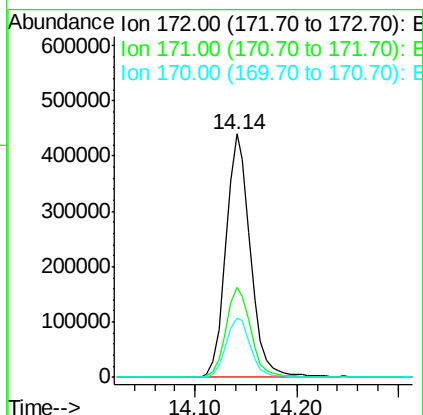
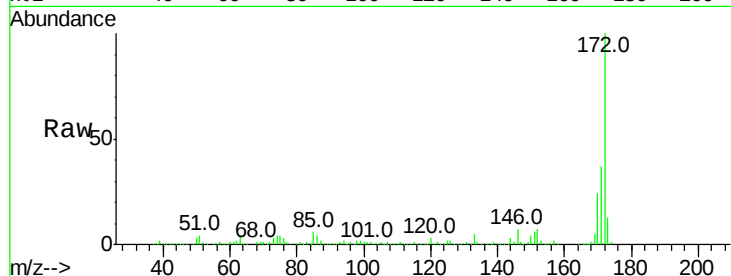




#44
 2-Fluorobiphenyl
 Concen: 100.477 ng
 RT: 14.14 min Scan# 1847
 Delta R.T. -0.00 min
 Lab File: BG033203.D
 Acq: 16 Mar 2018 17:23

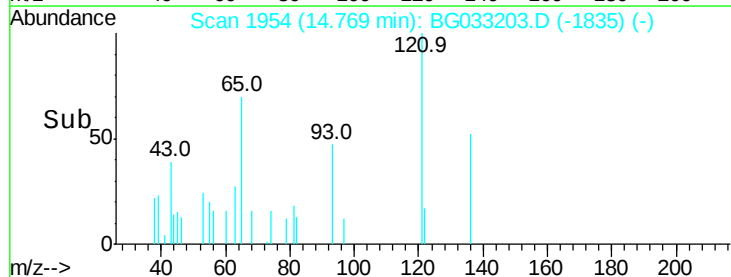
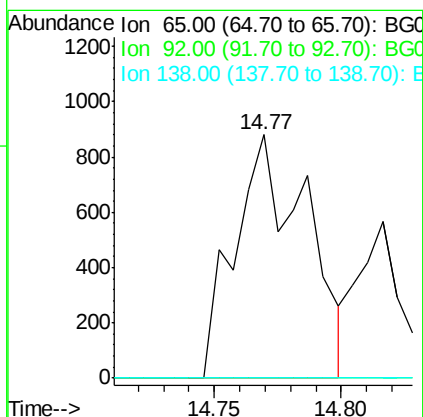
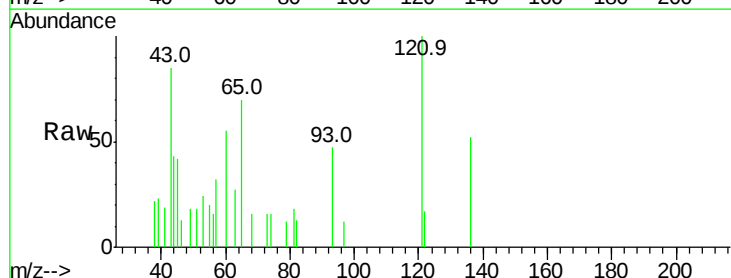
Instrument :
 BNA_G
 ClientSampled :
 4517-21

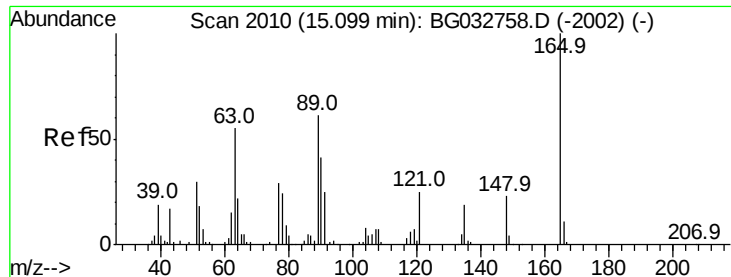
Tot Ion:172 Resp: 735741
 Ion Ratio Lower Upper
 172 100
 171 36.9 30.0 45.0
 170 24.1 19.5 29.3



#47
 2-Nitroaniline
 Concen: 10.629 ng
 RT: 14.77 min Scan# 1954
 Delta R.T. 0.17 min
 Lab File: BG033203.D
 Acq: 16 Mar 2018 17:23

Tgt Ion: 65 Resp: 1734
 Ion Ratio Lower Upper
 65 100
 92 0.0 54.6 82.0#
 138 0.0 72.9 109.3#

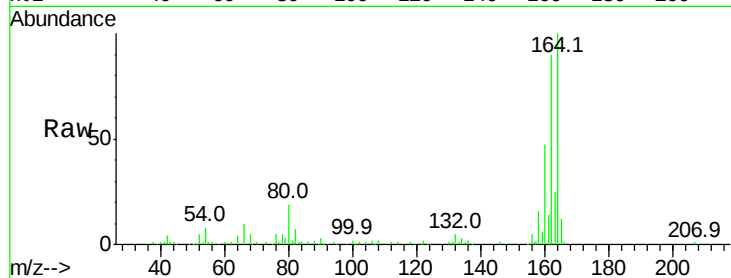




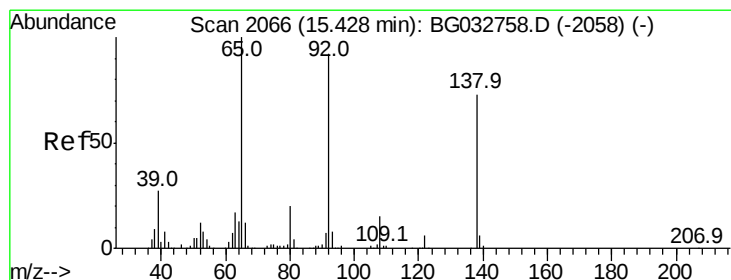
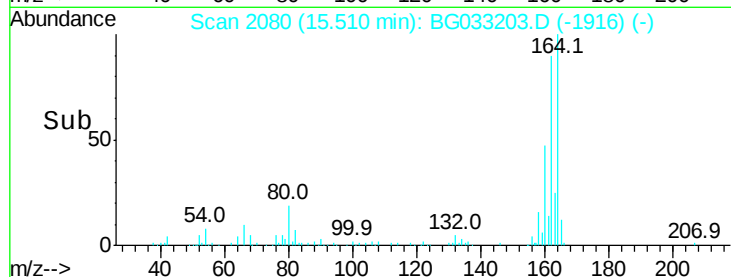
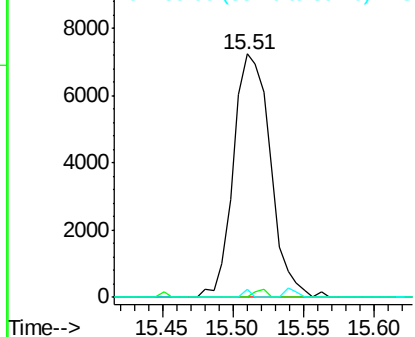
#50
2,6-Dinitrotoluene
Concen: 16.169 ng
RT: 15.51 min Scan# 2080
Delta R.T. 0.43 min
Lab File: BG033203.D
Acq: 16 Mar 2018 17:23

Instrument :
BNA_G
ClientSampleId :
4517-21

Tot Ion:165 Resp: 13247
Ion Ratio Lower Upper
165 100
63 0.0 52.7 79.1#
89 3.3 49.2 73.8#

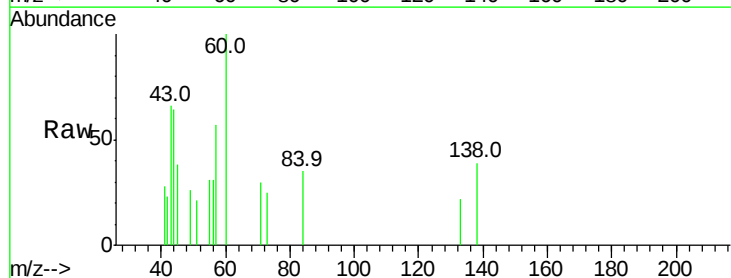


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC

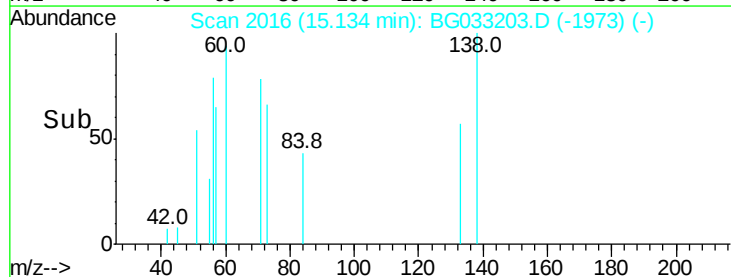
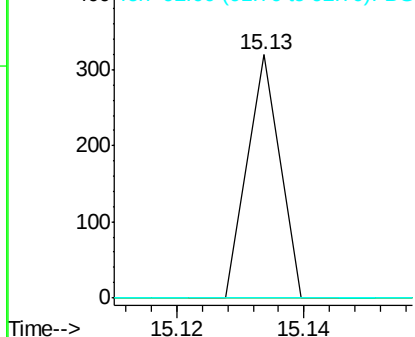


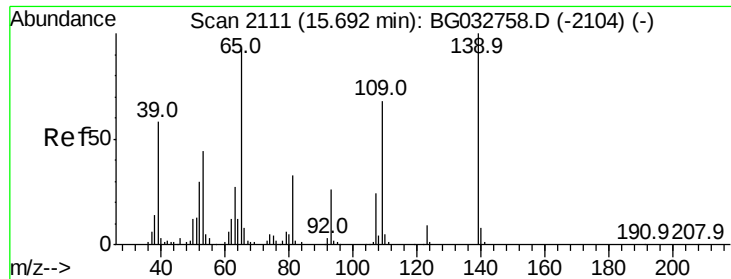
#52
3-Nitroaniline
Concen: 7.595 ng
RT: 15.13 min Scan# 2016
Delta R.T. -0.28 min
Lab File: BG033203.D
Acq: 16 Mar 2018 17:23

Tgt Ion:138 Resp: 113
Ion Ratio Lower Upper
138 100
108 0.0 17.5 26.3#
92 0.0 105.8 158.8#



Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BGC





#55

4-Nitrophenol

Concen: 7.246 ng

RT: 15.90 min Scan# 2147

Delta R.T. 0.21 min

Lab File: BG033203.D

Acq: 16 Mar 2018 17:23

Instrument :

BNA_G

ClientSampled :

4517-21

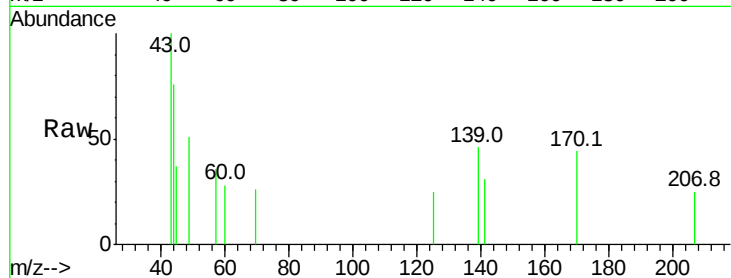
Tot Ion:139 Resp: 267

Ion Ratio Lower Upper

139 100

109 0.0 62.2 102.2#

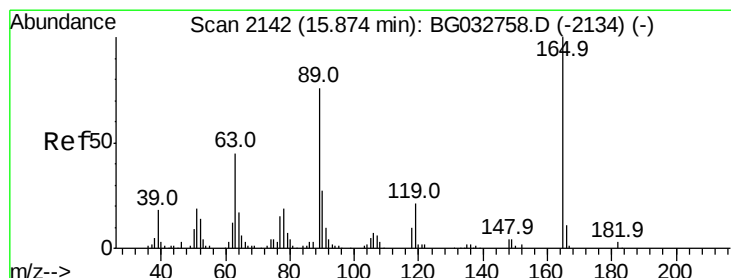
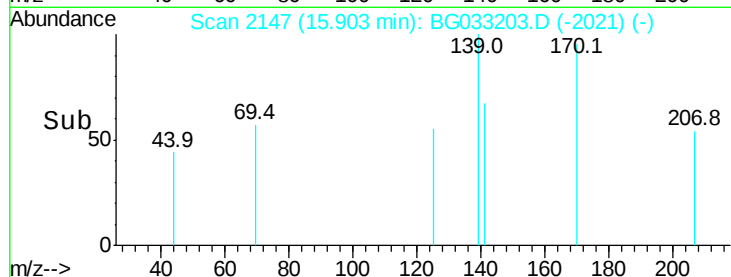
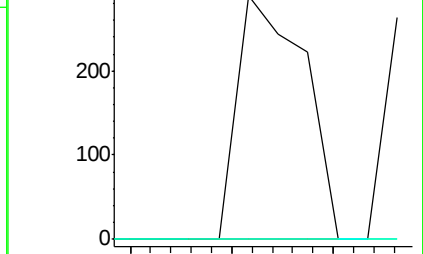
65 0.0 97.2 137.2#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC



#56

2,4-Dinitrotoluene

Concen: 14.365 ng

RT: 15.51 min Scan# 2080

Delta R.T. -0.34 min

Lab File: BG033203.D

Acq: 16 Mar 2018 17:23

Tgt Ion:165 Resp: 13247

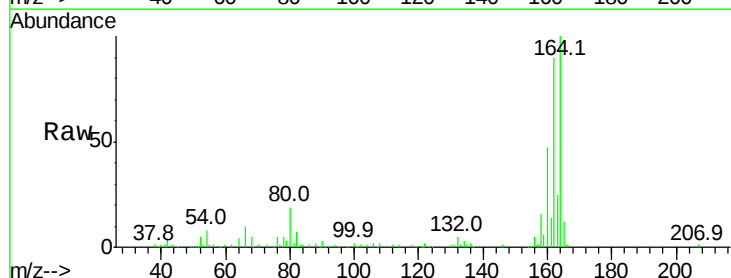
Ion Ratio Lower Upper

165 100

63 0.0 42.0 63.0#

89 3.3 66.9 100.3#

182 0.0 2.6 3.8#

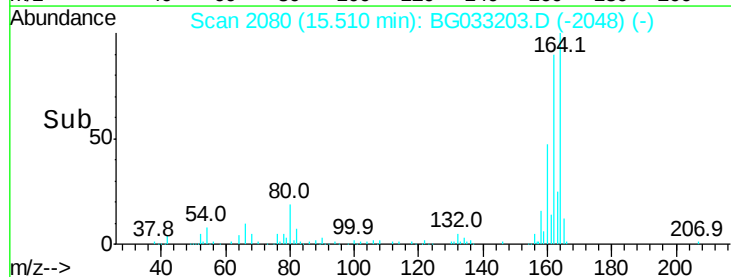
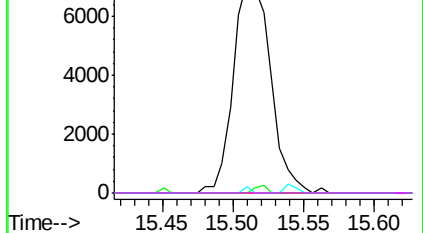


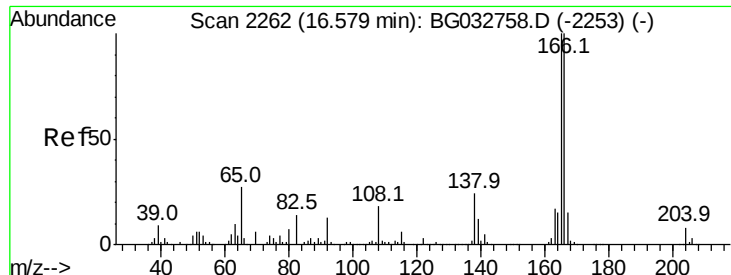
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E

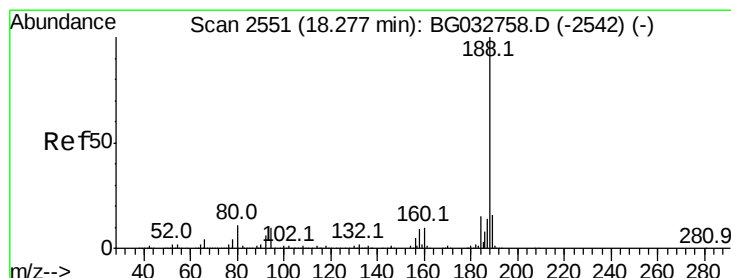
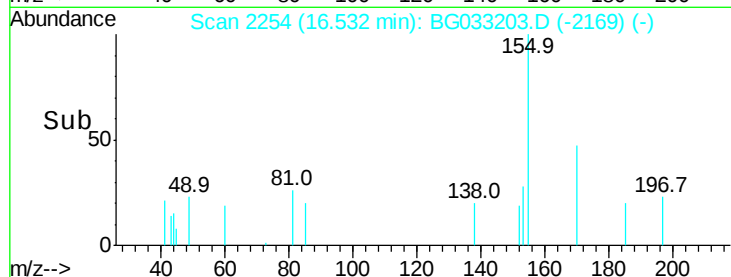
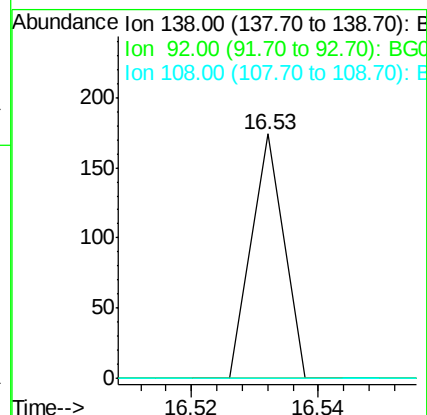
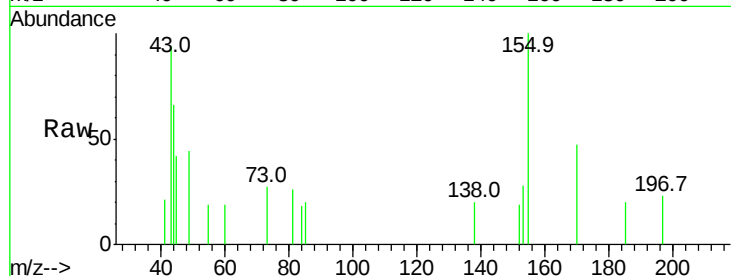




#61
4-Nitroaniline
Concen: 5.328 ng
RT: 16.53 min Scan# 2254
Delta R.T. -0.03 min
Lab File: BG033203.D
Acq: 16 Mar 2018 17:23

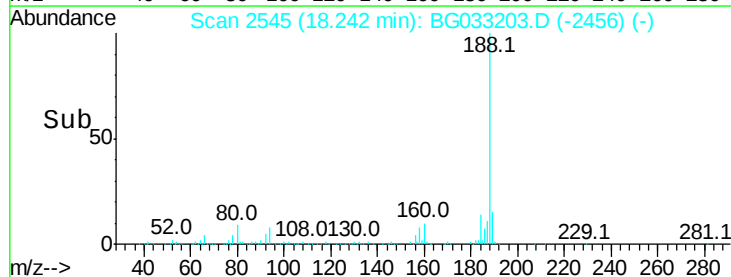
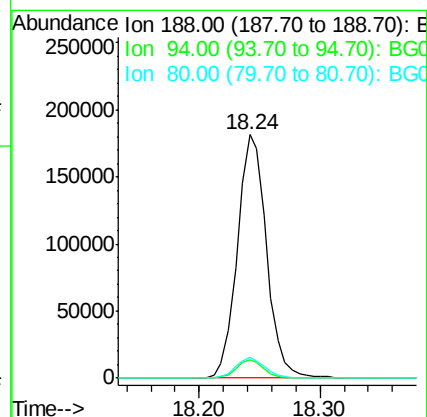
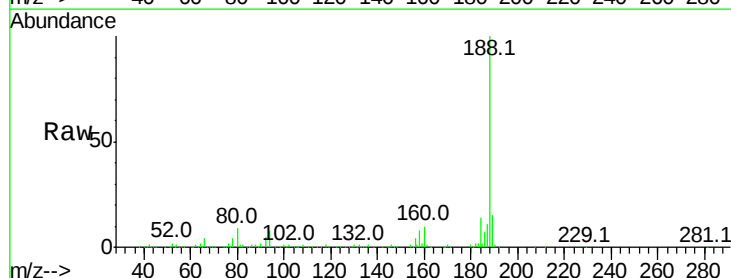
Instrument :
BNA_G
ClientSampleId :
4517-21

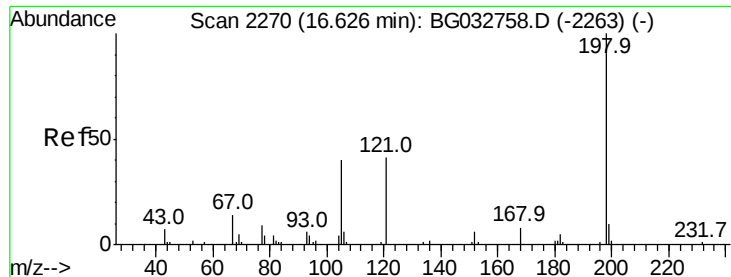
Tot Ion:138 Resp: 61
Ion Ratio Lower Upper
138 100
92 0.0 40.1 80.1#
108 0.0 65.4 105.4#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.24 min Scan# 2545
Delta R.T. -0.01 min
Lab File: BG033203.D
Acq: 16 Mar 2018 17:23

Tgt Ion:188 Resp: 305290
Ion Ratio Lower Upper
188 100
94 7.6 6.9 10.3
80 8.8 7.7 11.5

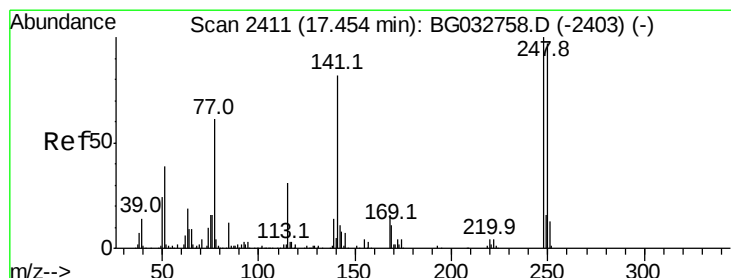
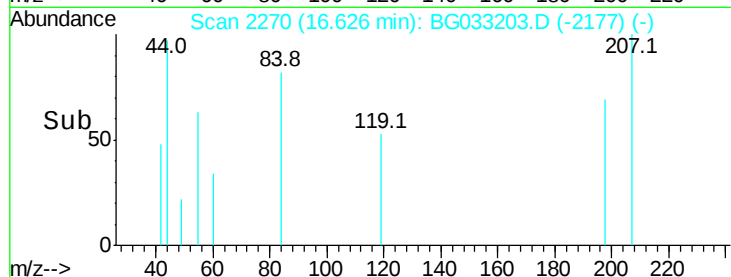
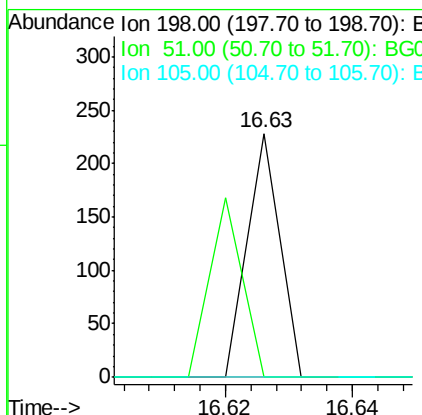
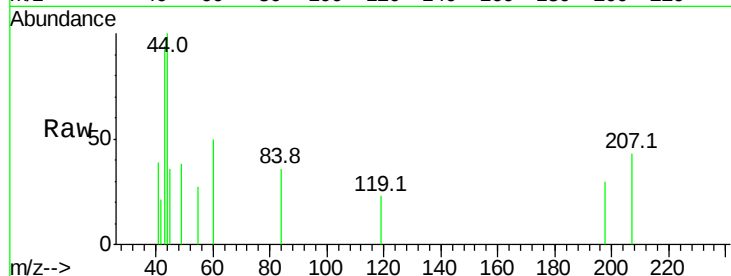




#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.059 ng
 RT: 16.63 min Scan# 2270
 Delta R.T. 0.02 min
 Lab File: BG033203.D
 Acq: 16 Mar 2018 17:23

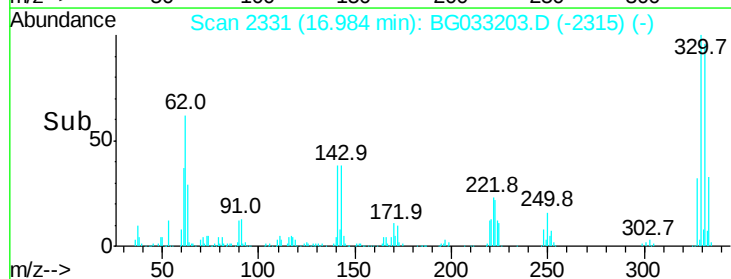
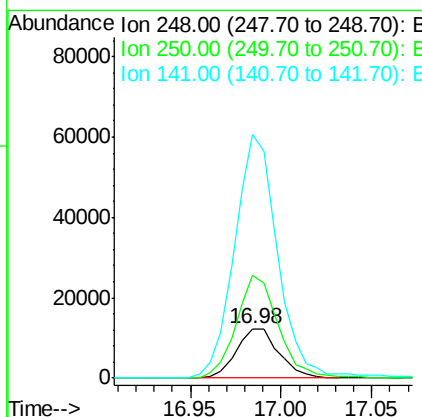
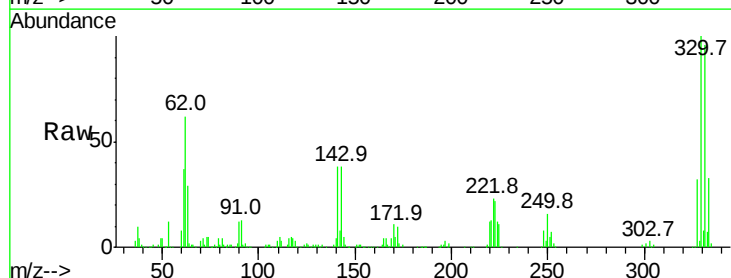
Instrument :
 BNA_G
 ClientSampleId :
 4517-21

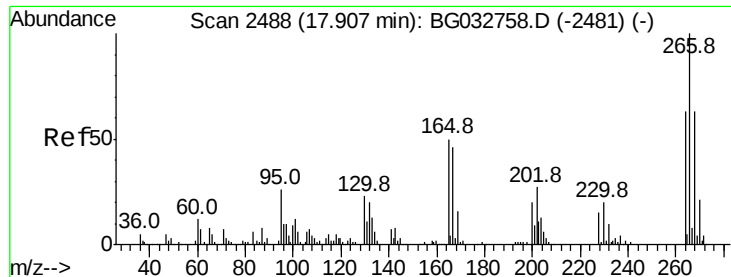
Tot Ion:198 Resp: 80
 Ion Ratio Lower Upper
 198 100
 51 0.0 30.6 70.6#
 105 0.0 23.8 63.8#



#66
 4-Bromophenyl-phenylether
 Concen: 6.229 ng
 RT: 16.98 min Scan# 2331
 Delta R.T. -0.44 min
 Lab File: BG033203.D
 Acq: 16 Mar 2018 17:23

Tgt Ion:248 Resp: 20108
 Ion Ratio Lower Upper
 248 100
 250 207.2 77.1 115.7#
 141 489.9 50.8 76.2#

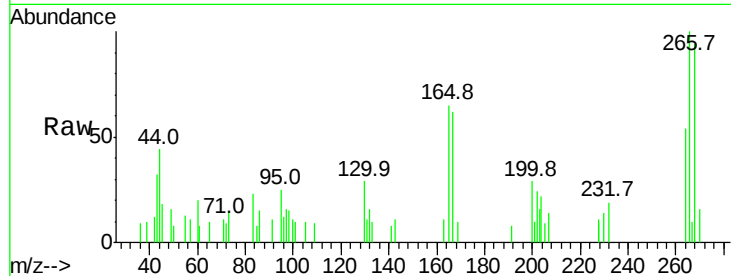




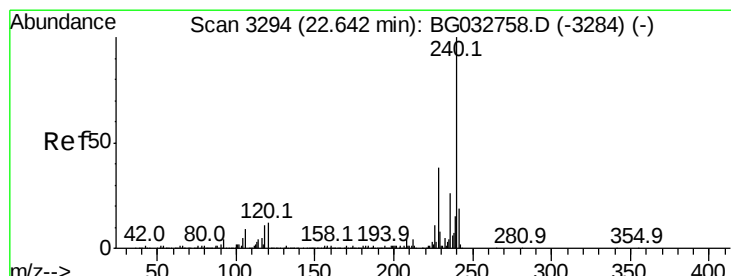
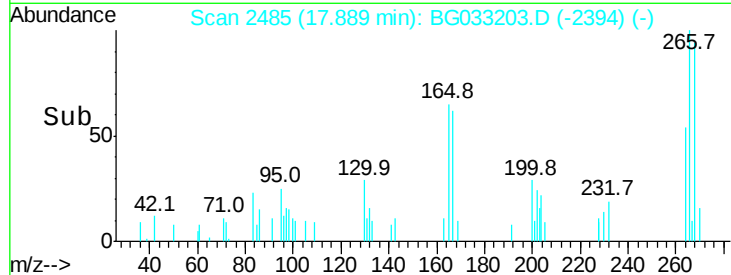
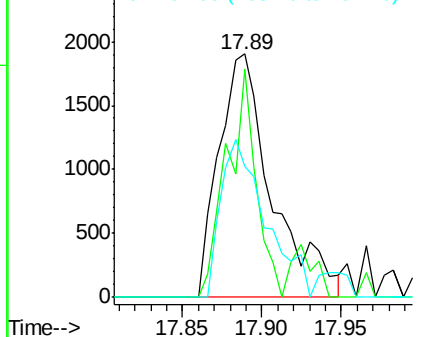
#69
 Pentachlorophenol
 Concen: 2.020 ng
 RT: 17.89 min Scan# 2485
 Delta R.T. 0.00 min
 Lab File: BG033203.D
 Acq: 16 Mar 2018 17:23

Instrument :
 BNA_G
 ClientSampleId :
 4517-21

Tot Ion:266 Resp: 4439
 Ion Ratio Lower Upper
 266 100
 268 94.0 51.1 76.7#
 264 54.0 49.6 74.4

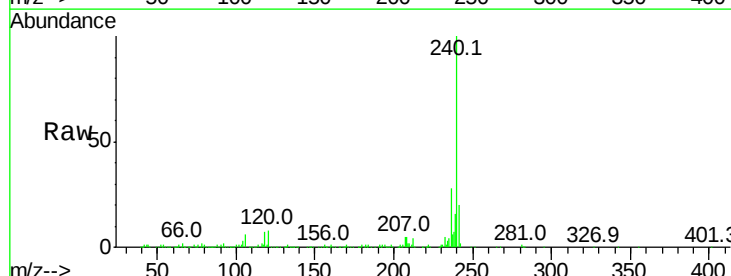


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

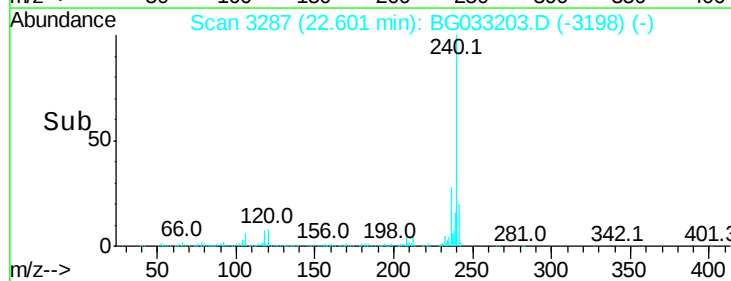
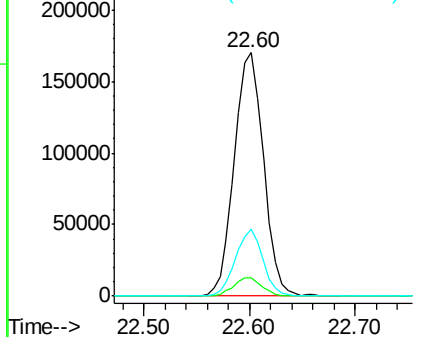


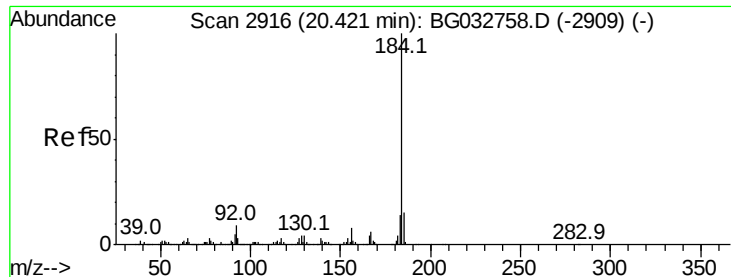
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 22.60 min Scan# 3287
 Delta R.T. -0.01 min
 Lab File: BG033203.D
 Acq: 16 Mar 2018 17:23

Tgt Ion:240 Resp: 325949
 Ion Ratio Lower Upper
 240 100
 120 7.6 6.8 10.2
 236 27.8 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: 2.389 ng

RT: 20.76 min Scan# 2974

Delta R.T. 0.36 min

Lab File: BG033203.D

Acq: 16 Mar 2018 17:23

Instrument :

BNA_G

ClientSampled :

4517-21

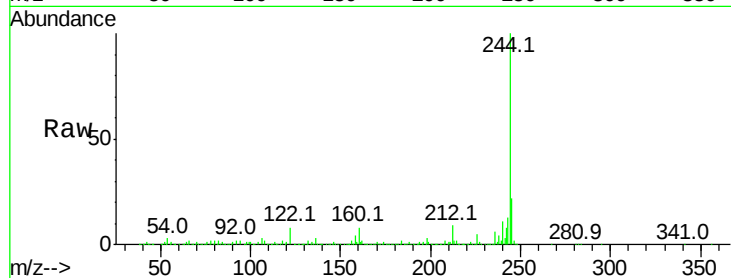
Tot Ion:184 Resp: 26544

Ion Ratio Lower Upper

184 100

185 16.5 11.1 16.7

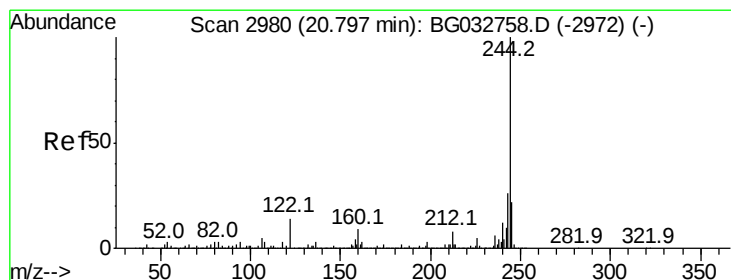
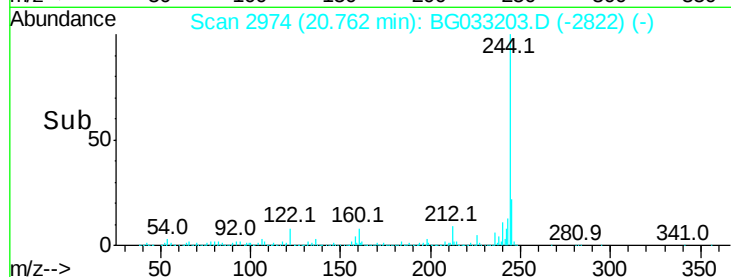
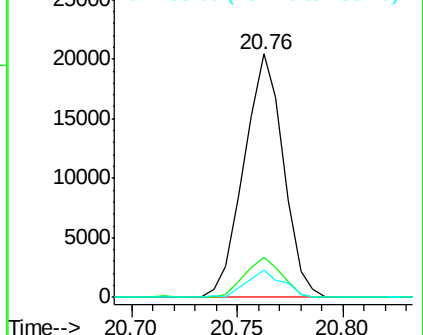
183 11.2 10.6 16.0



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: 107.755 ng

RT: 20.76 min Scan# 2974

Delta R.T. -0.00 min

Lab File: BG033203.D

Acq: 16 Mar 2018 17:23

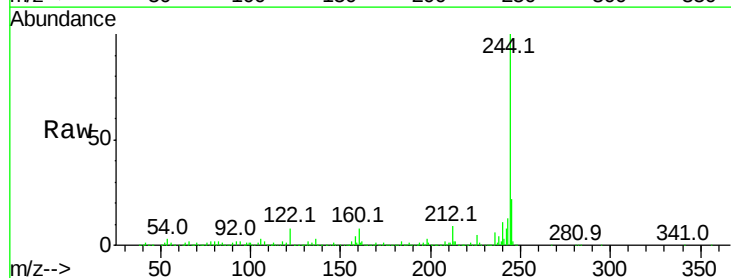
Tgt Ion:244 Resp: 1563281

Ion Ratio Lower Upper

244 100

212 8.8 5.8 8.8#

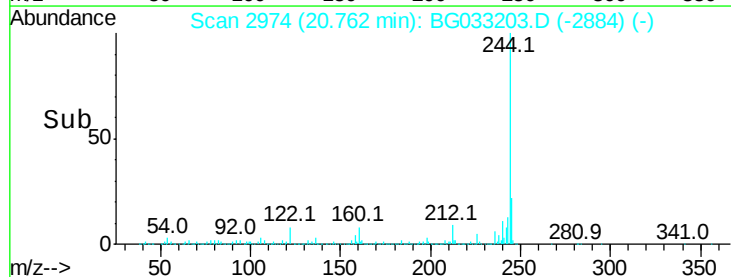
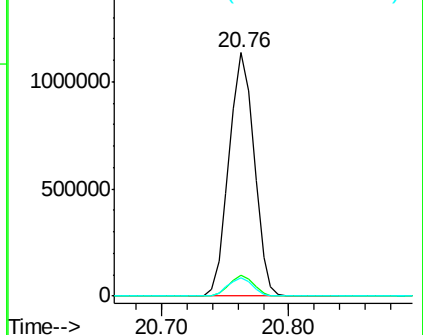
122 7.5 7.0 10.4

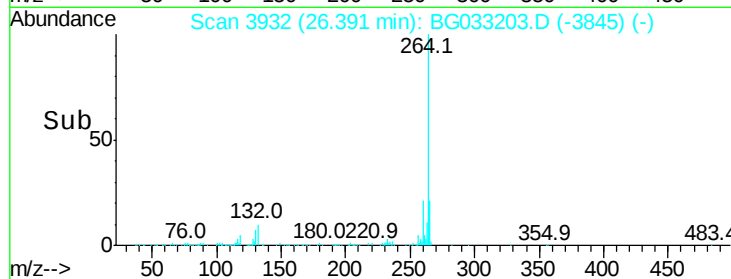
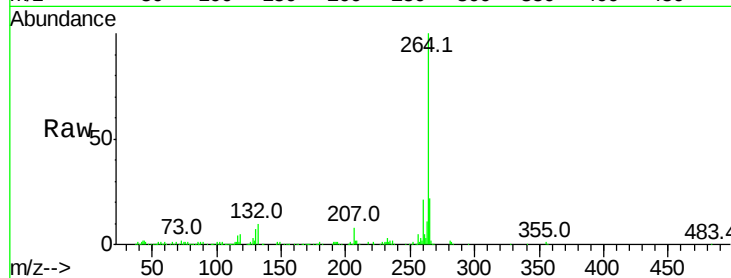
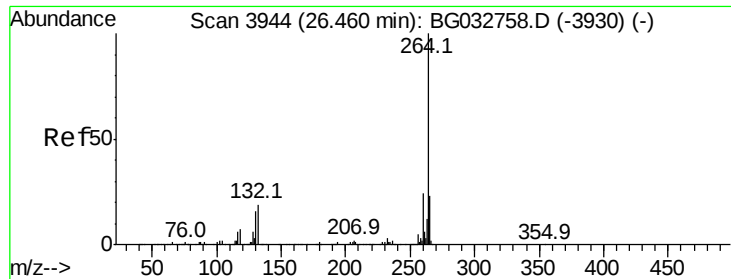


Abundance Ion 244.00 (243.70 to 244.70): E

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: 26.39 min Scan# 3932

Delta R.T. -0.02 min

Lab File: BG033203.D

Acq: 16 Mar 2018 17:23

Instrument :

BNA_G

ClientSampleId :

4517-21

Tot Ion:264 Resp: 337887

Ion Ratio Lower Upper

264 100

260 21.3 17.4 26.0

265 21.6 17.7 26.5

