

Data Path : U:\HPCHEM1\BNA G\DATA\BG012018\
 Data File : BG032193.D
 Acq On : 20 Jan 2018 23:42
 Operator : SJ/JU
 Sample : J1210-06
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 22 02:06:58 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG011218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 18 10:13:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.74	152	49712	20.00	ng	0.00
21) Naphthalene-d8	11.63	136	194253	20.00	ng	0.00
38) Acenaphthene-d10	15.37	164	127841	20.00	ng	0.00
63) Phenanthrene-d10	18.11	188	333342	20.00	ng	0.00
75) Chrysene-d12	22.44	240	431383	20.00	ng	0.00
86) Perylene-d12	26.14	264	453155	20.00	ng	0.00

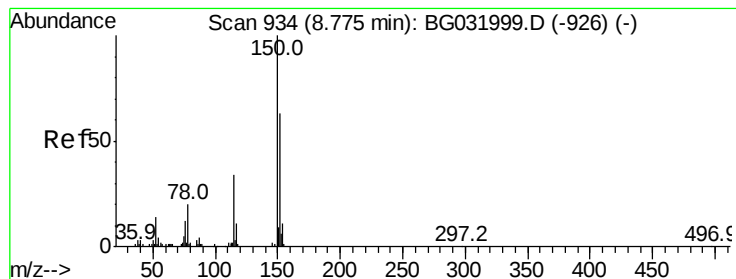
System Monitoring Compounds

5) 2-Fluorophenol	6.18	112	372478	137.04	ng	0.01
7) Phenol-d6	7.85	99	412552	120.51	ng	0.00
23) Nitrobenzene-d5	9.94	82	318289	110.85	ng	0.00
41) 2,4,6-Tribromophenol	16.85	330	342500	161.90	ng	0.00
44) 2-Fluorobiphenyl	14.01	172	1060528	102.86	ng	0.00
78) Terphenyl-d14	20.64	244	1976539	101.17	ng	0.00

Target Compounds

						Qvalue
15) Benzyl Alcohol	9.08	79	5533	2.225	ng	# 13
19) n-Nitroso-di-n-propylamine	9.94	70	44789	21.087	ng	# 78
31) Naphthalene	11.67	128	57482	5.973	ng	# 94
37) 2-Methylnaphthalene	13.24	142	46536	6.091	ng	96
51) Acenaphthene	15.44	154	56034	6.527	ng	94
54) Dibenzofuran	15.77	168	66442	5.188	ng	97
55) 4-Nitrophenol	15.77	139	23998	15.701	ng	# 1
56) 2,4-Dinitrotoluene	15.37	165	16908	5.408	ng	# 16
57) Fluorene	16.41	166	73268	6.976	ng	91
64) 4,6-Dinitro-2-methylphenol	16.23	198	57	4.908	ng	# 29
66) 4-Bromophenyl-phenylether	16.85	248	28669	6.045	ng	# 1
70) Phenanthrene	18.15	178	182110	9.812	ng	98
71) Anthracene	18.15	178	182110	9.838	ng	98
72) Carbazole	18.50	167	57309	3.569	ng	98
74) Fluoranthene	20.12	202	46657	2.008	ng	95
76) Benzydine	20.64	184	29867	2.769	ng	# 93

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.74 min Scan# 928

Delta R.T. -0.00 min

Lab File: BG032193.D

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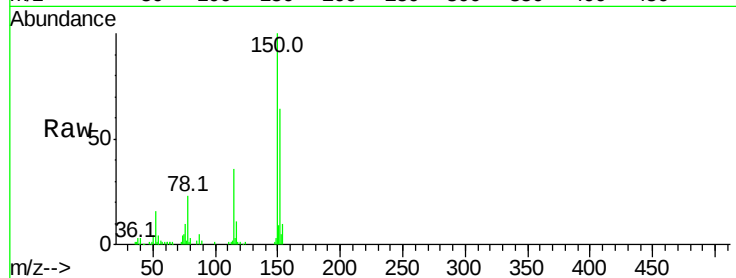
Tot Ion:152 Resp: 49712

Ion Ratio Lower Upper

152 100

150 157.0 126.6 189.8

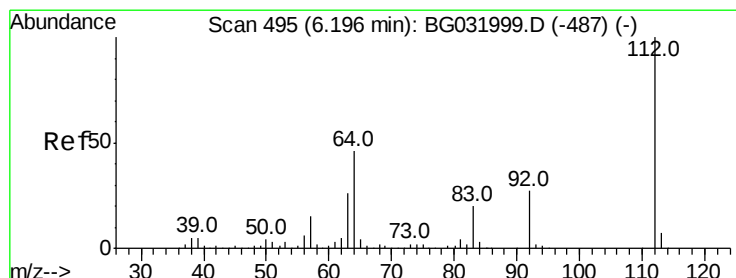
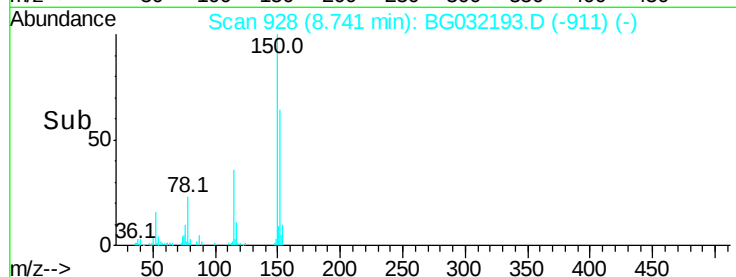
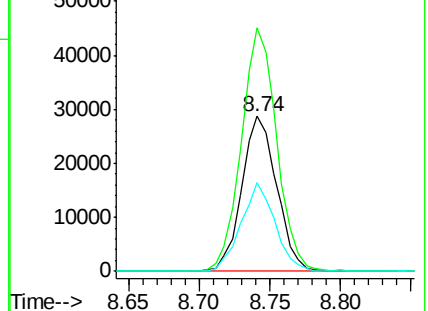
115 56.9 53.0 79.4



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



#5

2-Fluorophenol

Concen: 137.037 ng

RT: 6.18 min Scan# 492

Delta R.T. 0.01 min

Lab File: BG032193.D

Acq: 20 Jan 2018 23:42

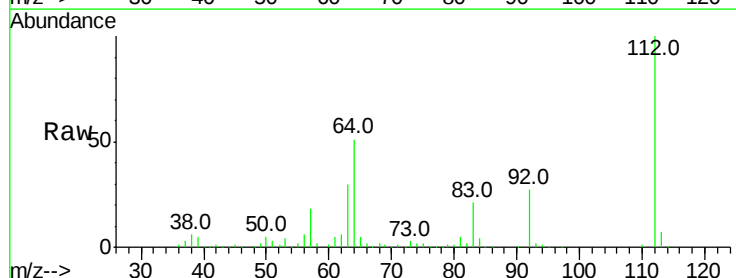
Tgt Ion:112 Resp: 372478

Ion Ratio Lower Upper

112 100

64 51.1 56.3 84.5#

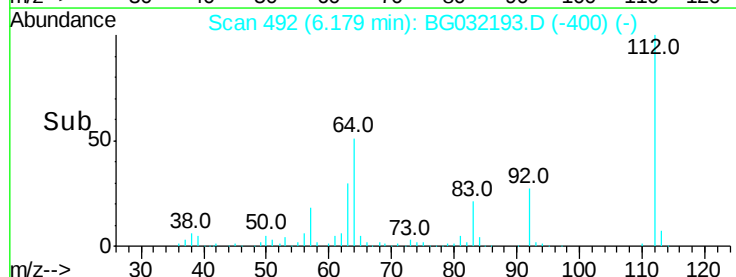
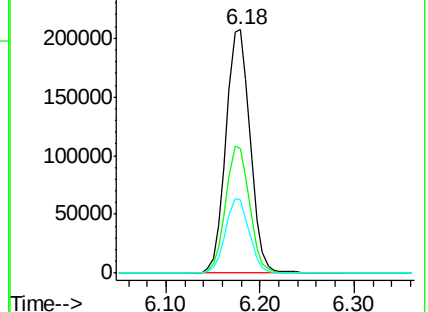
63 30.2 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 120.514 ng

RT: 7.85 min Scan# 777

Delta R.T. 0.00 min

Lab File: BG032193.D

Acq: 20 Jan 2018 23:42

Instrument :

BNA_G

ClientSampleId :

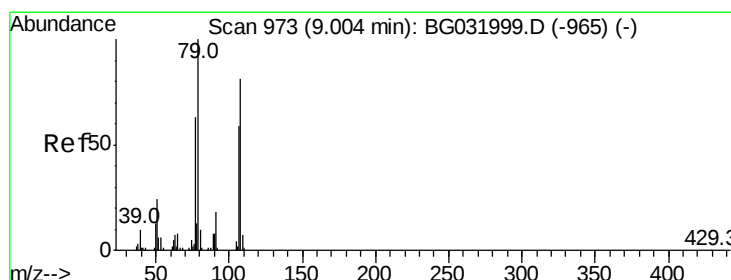
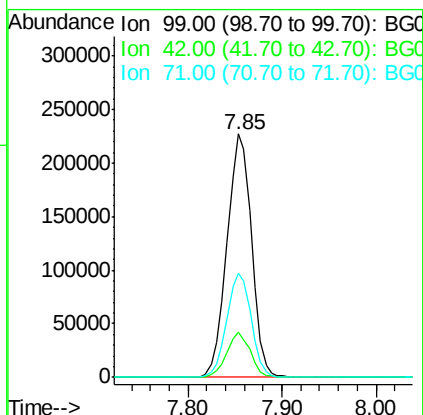
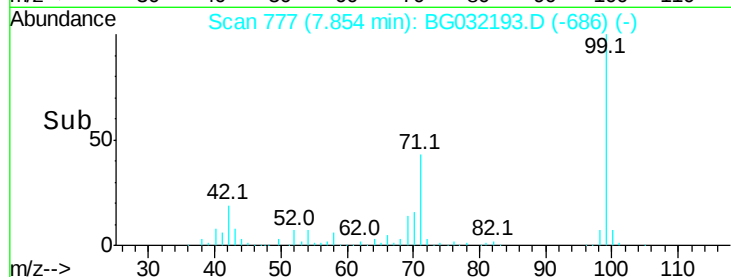
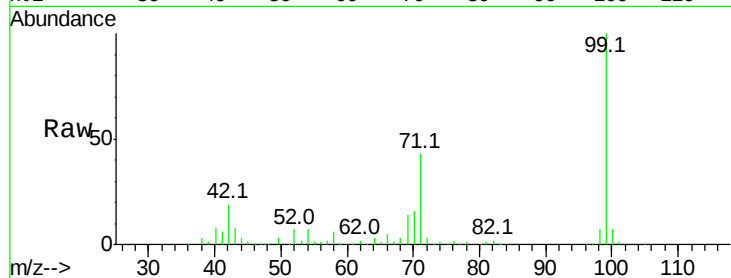
Tot Ion: 99 Resp: 412552

Ion Ratio Lower Upper

99 100

42 18.5 14.1 21.1

71 43.0 26.1 39.1#



#15

Benzyl Alcohol

Concen: 2.225 ng

RT: 9.08 min Scan# 986

Delta R.T. 0.10 min

Lab File: BG032193.D

Acq: 20 Jan 2018 23:42

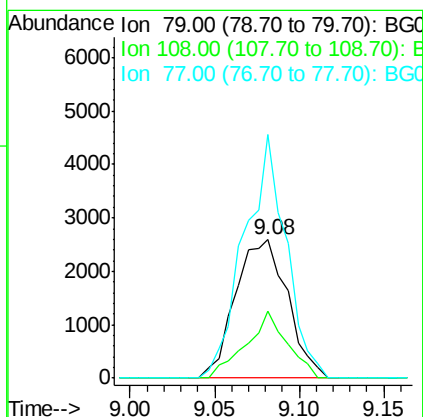
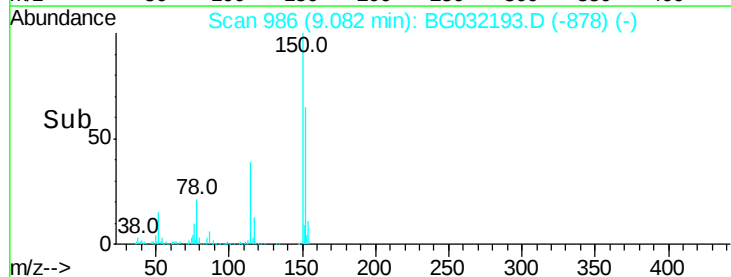
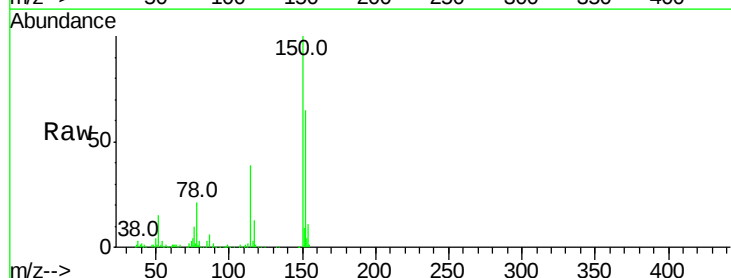
Tgt Ion: 79 Resp: 5533

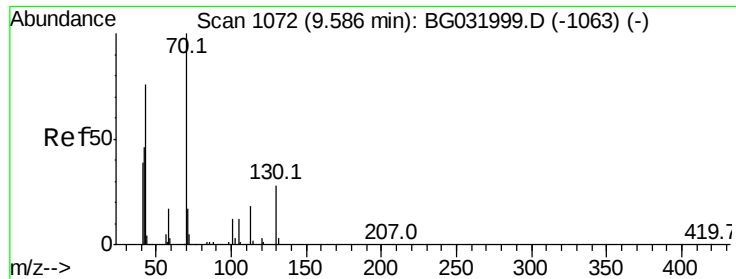
Ion Ratio Lower Upper

79 100

108 48.7 57.2 85.8#

77 176.1 46.1 69.1#

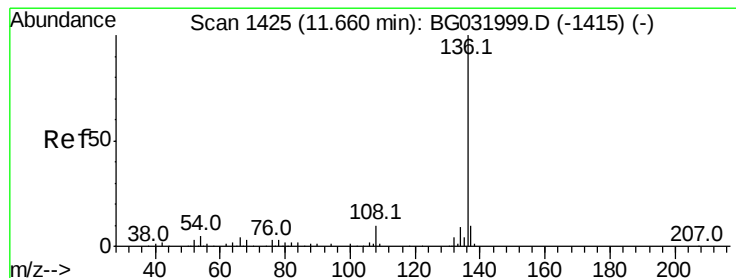
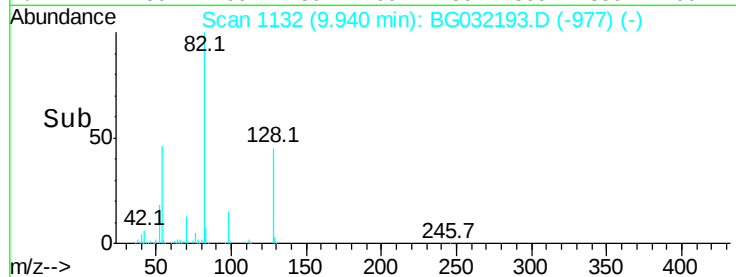
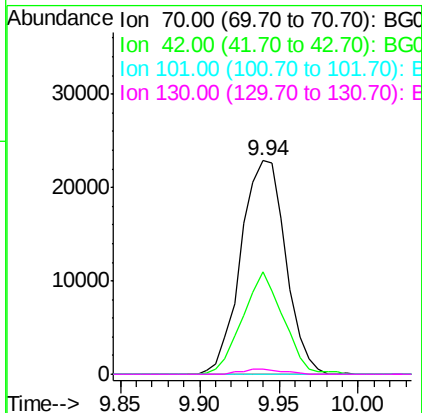
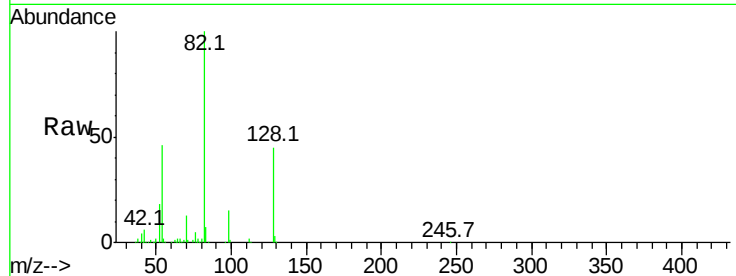




#19
n-Nitroso-di-n-propylamine
Concen: 21.087 ng
RT: 9.94 min Scan# 1132
Delta R.T. 0.38 min
Lab File: BG032193.D
Acq: 20 Jan 2018 23:42

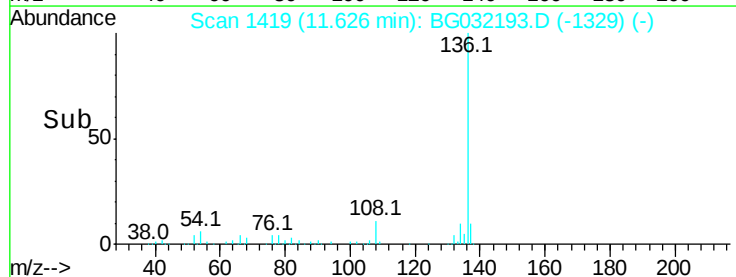
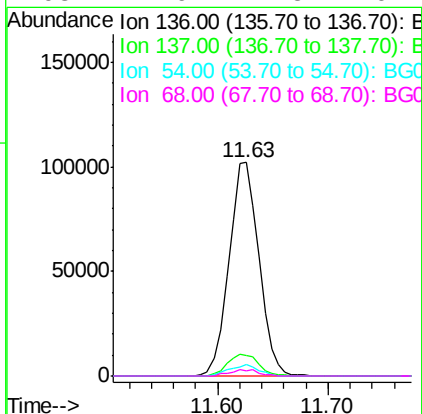
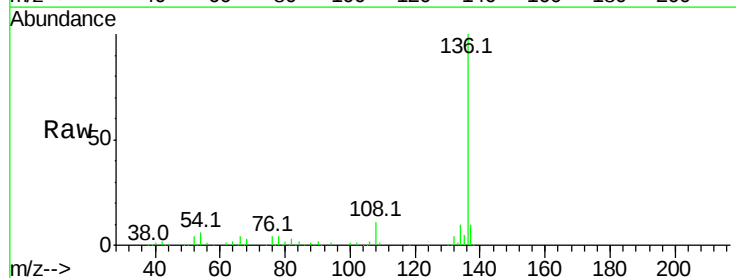
Instrument :
BNA_G
ClientSampleId :

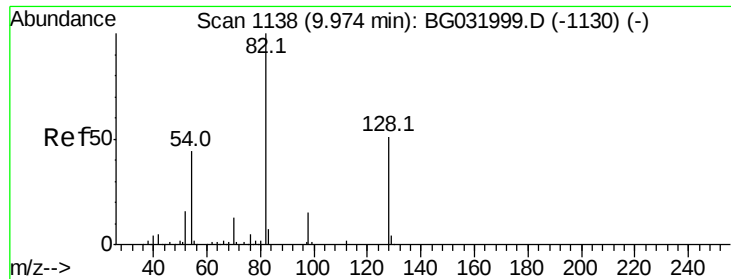
Tot Ion: 70 Resp: 44789
Ion Ratio Lower Upper
70 100
42 48.1 49.1 73.7#
101 0.0 8.5 12.7#
130 2.3 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.63 min Scan# 1419
Delta R.T. -0.00 min
Lab File: BG032193.D
Acq: 20 Jan 2018 23:42

Tgt Ion: 136 Resp: 194253
Ion Ratio Lower Upper
136 100
137 9.9 9.2 13.8
54 5.6 10.3 15.5#
68 2.6 4.5 6.7#

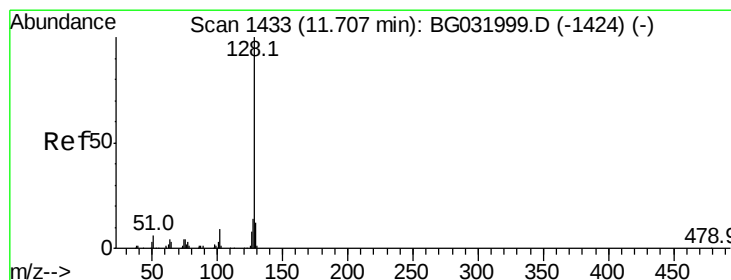
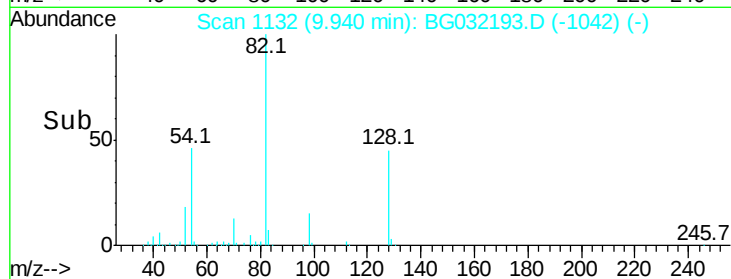
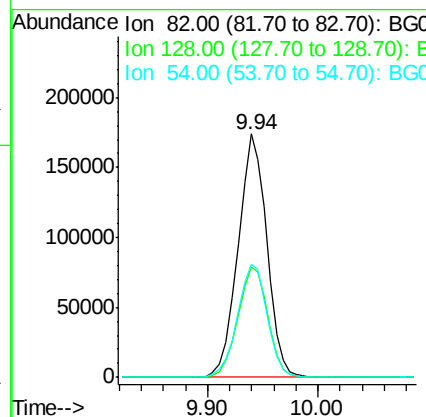
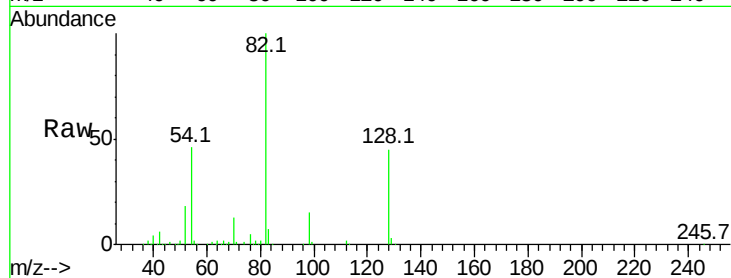




#23
 Nitrobenzene-d5
 Concen: 110.853 ng
 RT: 9.94 min Scan# 1132
 Delta R.T. -0.00 min
 Lab File: BG032193.D
 Acq: 20 Jan 2018 23:42

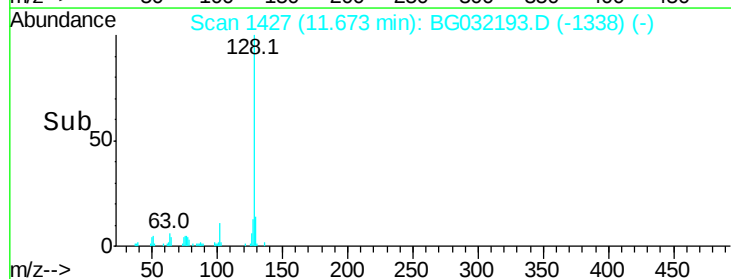
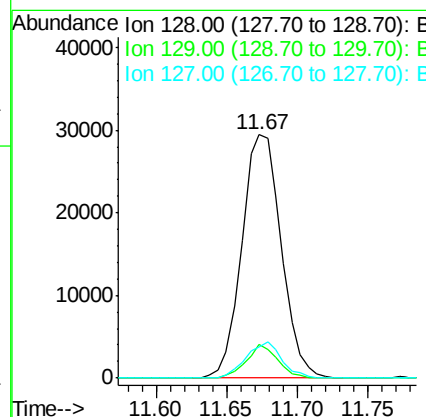
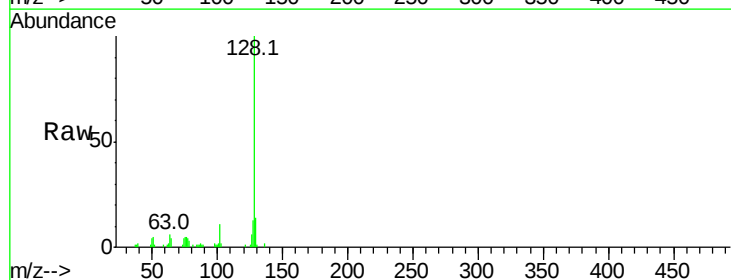
Instrument :
 BNA_G
 ClientSampleId :

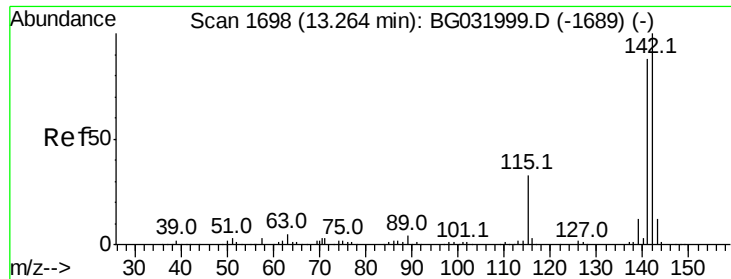
Tot Ion: 82 Resp: 318289
 Ion Ratio Lower Upper
 82 100
 128 45.2 29.7 44.5#
 54 46.4 43.1 64.7



#31
 Naphthalene
 Concen: 5.973 ng
 RT: 11.67 min Scan# 1427
 Delta R.T. -0.01 min
 Lab File: BG032193.D
 Acq: 20 Jan 2018 23:42

Tgt Ion: 128 Resp: 57482
 Ion Ratio Lower Upper
 128 100
 129 13.8 8.6 12.8#
 127 13.0 11.6 17.4

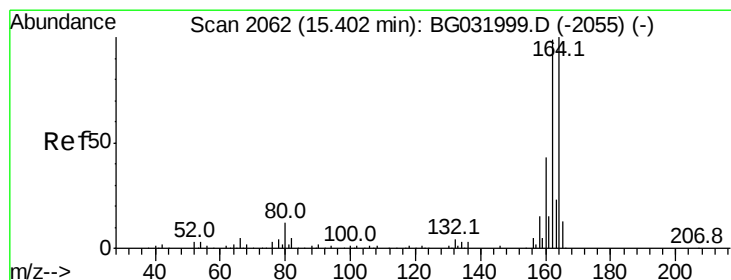
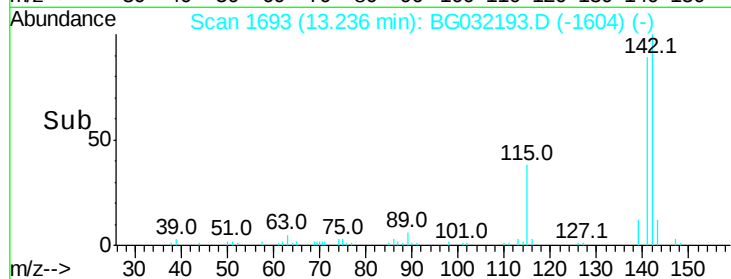
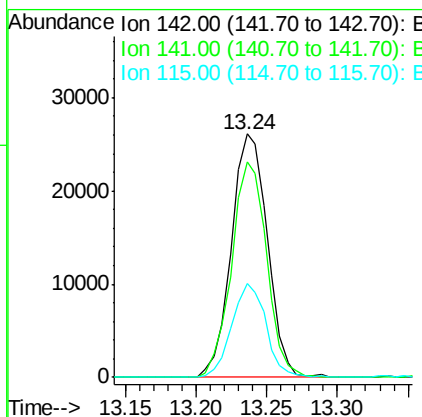
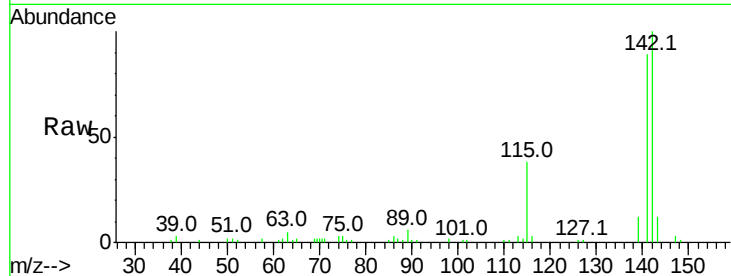




#37
2-Methylnaphthalene
Concen: 6.091 ng
RT: 13.24 min Scan# 1693
Delta R.T. -0.01 min
Lab File: BG032193.D
Acq: 20 Jan 2018 23:42

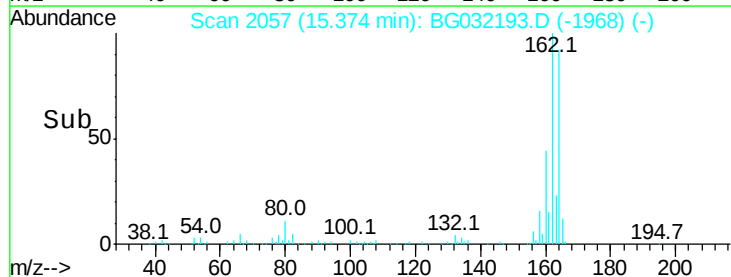
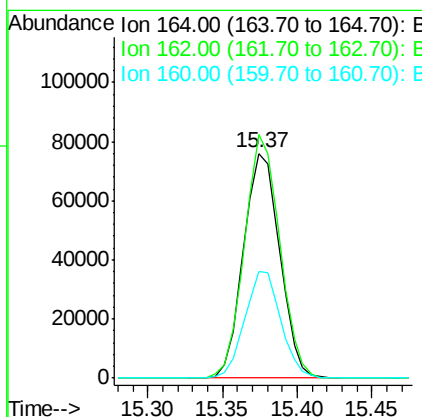
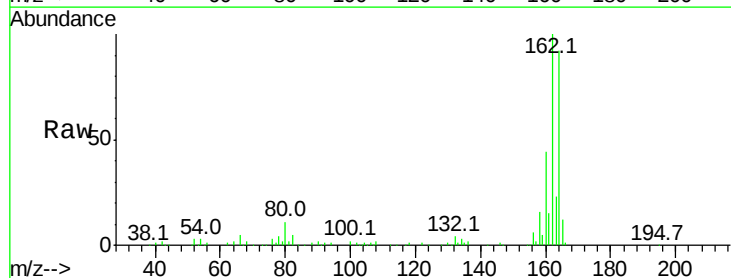
Instrument :
BNA_G
ClientSampleId :

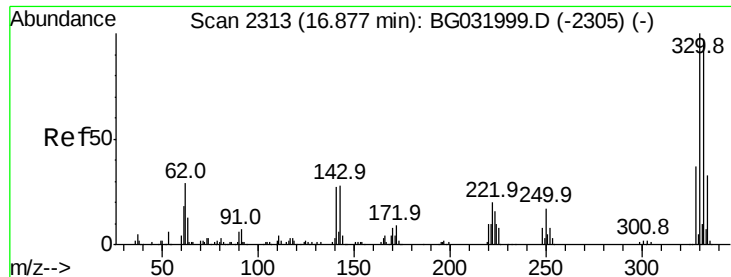
Tot Ion:142 Resp: 46536
Ion Ratio Lower Upper
142 100
141 88.7 67.1 100.7
115 38.5 30.7 46.1



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.37 min Scan# 2057
Delta R.T. -0.01 min
Lab File: BG032193.D
Acq: 20 Jan 2018 23:42

Tgt Ion:164 Resp: 127841
Ion Ratio Lower Upper
164 100
162 108.3 78.8 118.2
160 47.3 35.4 53.0

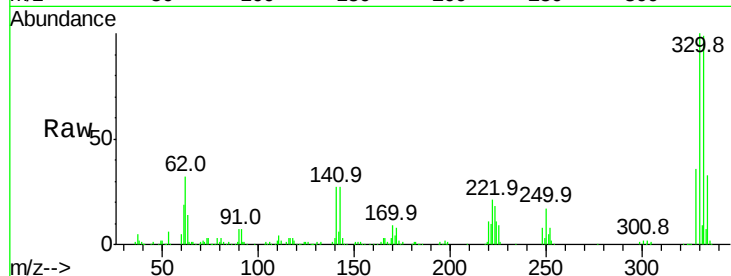




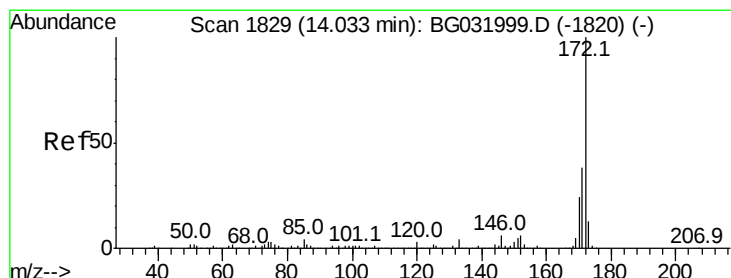
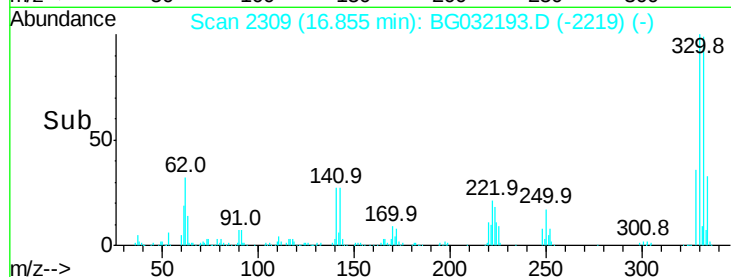
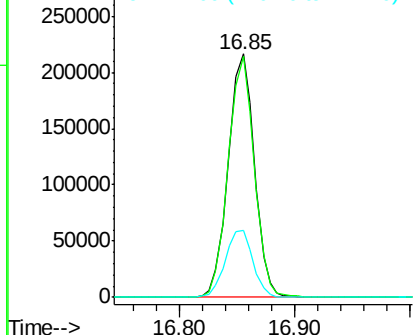
#41
 2,4,6-Tribromophenol
 Concen: 161.903 ng
 RT: 16.85 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: BG032193.D
 Acq: 20 Jan 2018 23:42

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.8	77.0	115.6
141	28.8	25.2	37.8

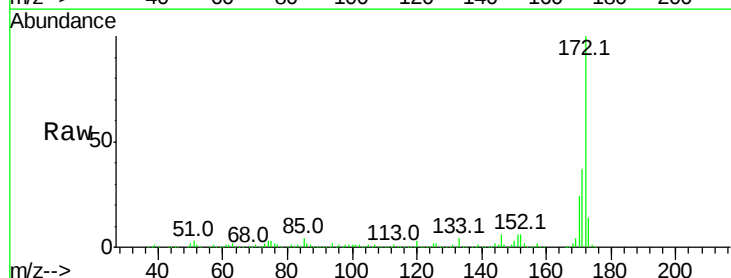


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

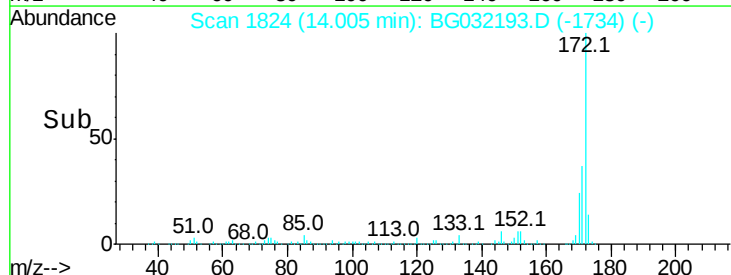
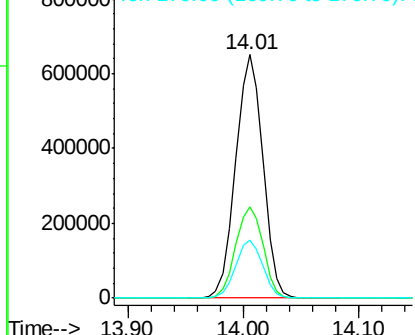


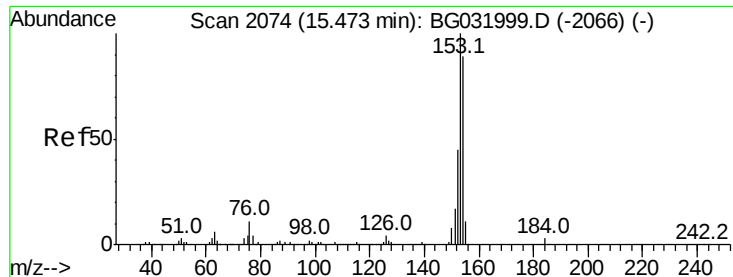
#44
 2-Fluorobiphenyl
 Concen: 102.862 ng
 RT: 14.01 min Scan# 1824
 Delta R.T. -0.00 min
 Lab File: BG032193.D
 Acq: 20 Jan 2018 23:42

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.3	30.0	45.0
170	23.7	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





#51

Acenaphthene

Concen: 6.527 ng

RT: 15.44 min Scan# 2068

Delta R.T. -0.01 min

Lab File: BG032193.D

Acq: 20 Jan 2018 23:42

Instrument :

BNA_G

ClientSampleId :

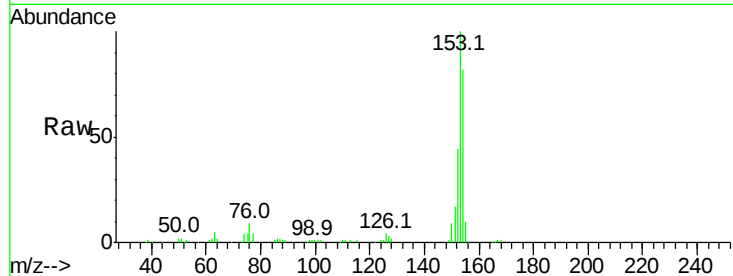
Tot Ion:154 Resp: 56034

Ion Ratio Lower Upper

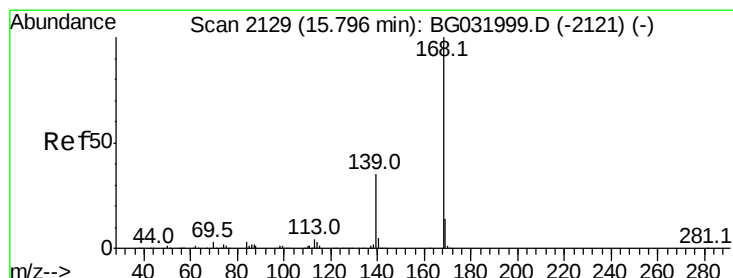
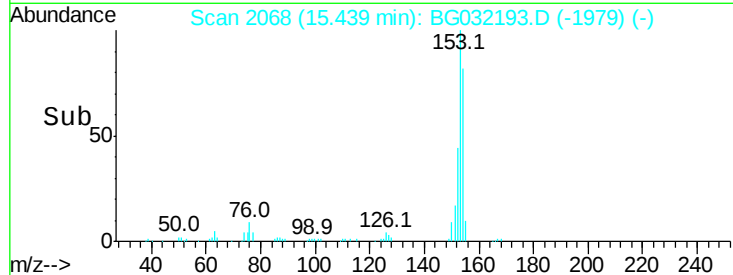
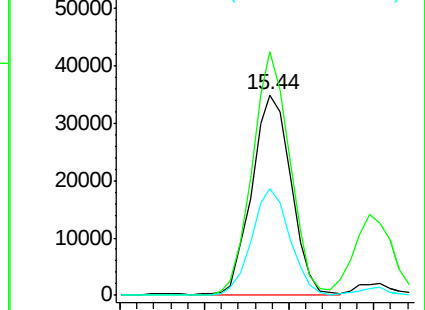
154 100

153 121.5 90.4 135.6

152 53.0 41.6 62.4



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 5.188 ng

RT: 15.77 min Scan# 2124

Delta R.T. -0.01 min

Lab File: BG032193.D

Acq: 20 Jan 2018 23:42

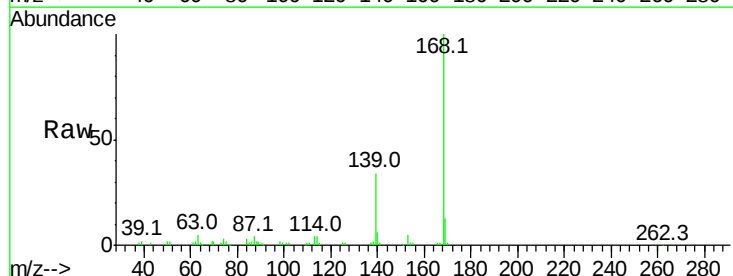
Tgt Ion:168 Resp: 66442

Ion Ratio Lower Upper

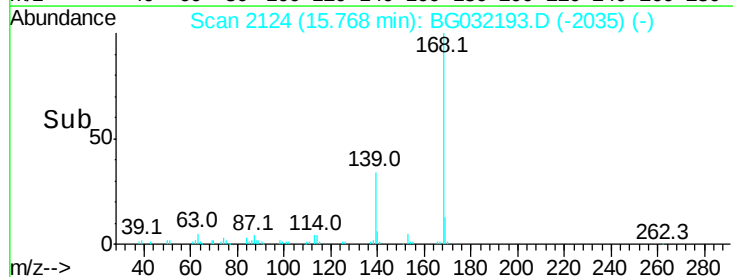
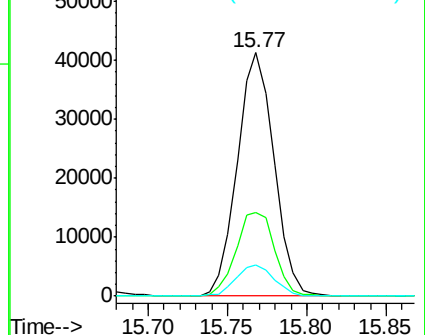
168 100

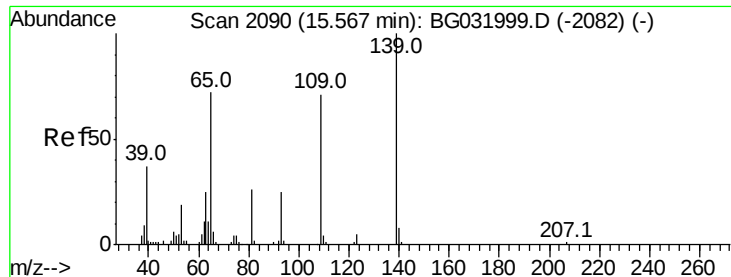
139 34.5 28.6 43.0

169 12.6 11.2 16.8



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





#55

4-Nitrophenol

Concen: 15.701 ng

RT: 15.77 min Scan# 2124

Delta R.T. 0.22 min

Lab File: BG032193.D

Acq: 20 Jan 2018 23:42

Instrument :

BNA_G

ClientSampleId :

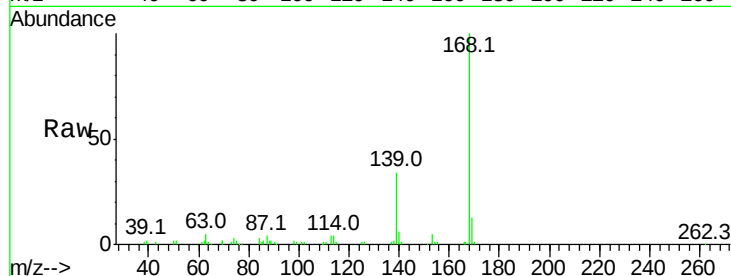
Tot Ion:139 Resp: 23998

Ion Ratio Lower Upper

139 100

109 1.1 62.2 102.2#

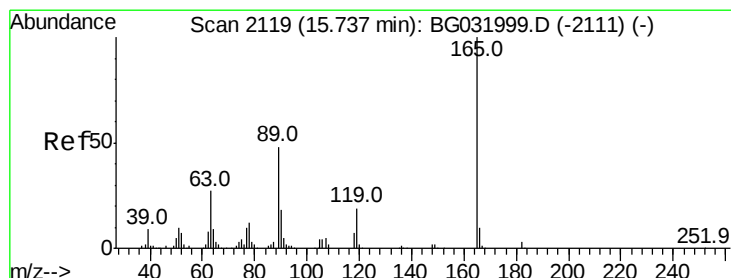
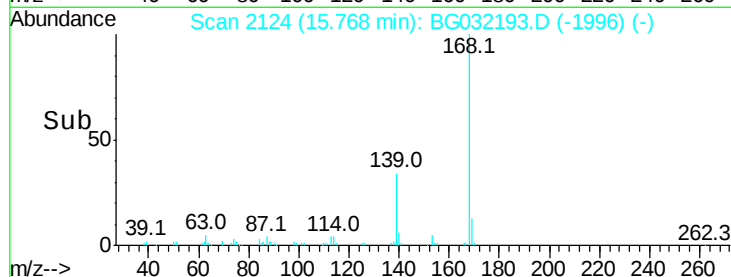
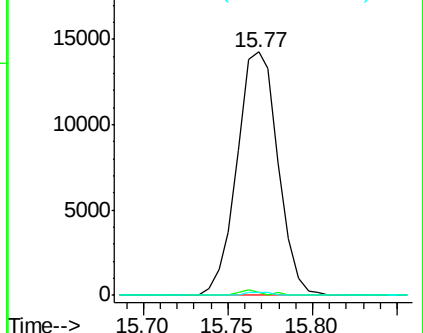
65 1.1 97.2 137.2#



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: 5.408 ng

RT: 15.37 min Scan# 2057

Delta R.T. -0.34 min

Lab File: BG032193.D

Acq: 20 Jan 2018 23:42

Tgt Ion:165 Resp: 16908

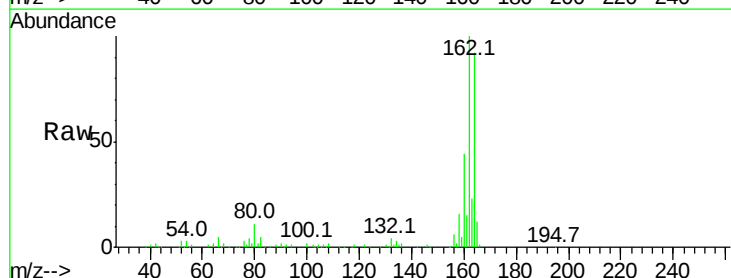
Ion Ratio Lower Upper

165 100

63 0.0 42.0 63.0#

89 0.0 66.9 100.3#

182 0.0 2.6 3.8#

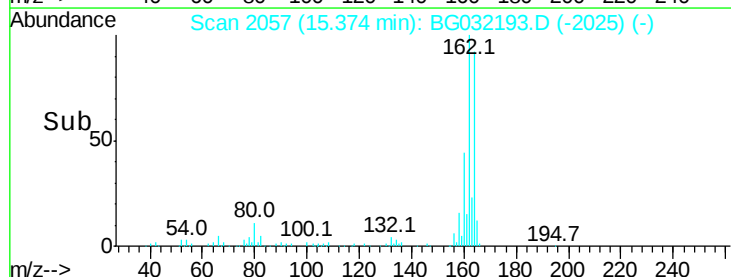
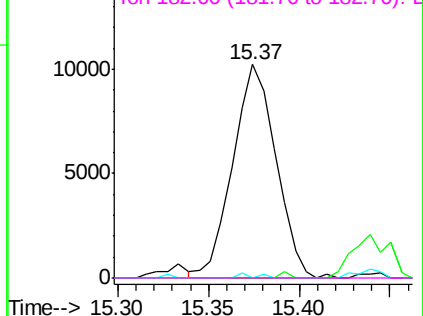


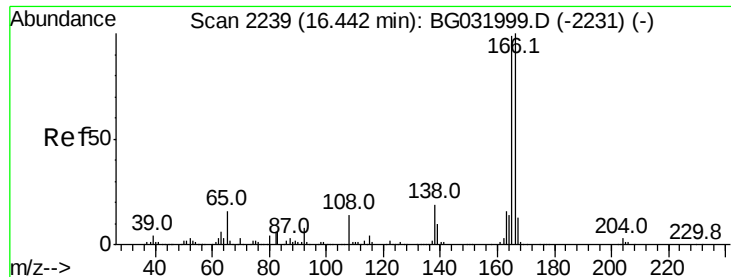
Abundance Ion 165.00 (164.70 to 165.70): E

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

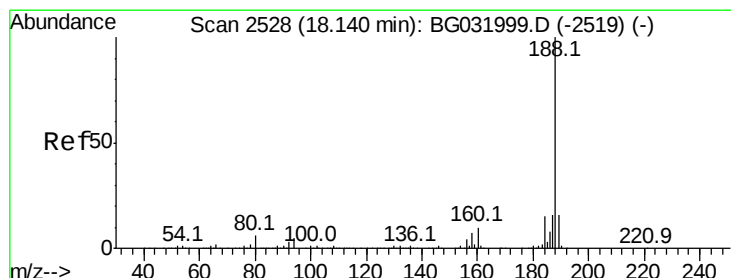
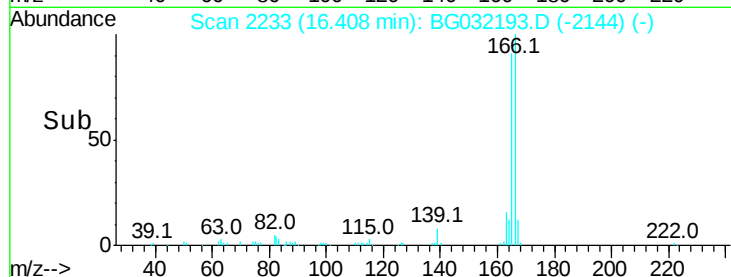
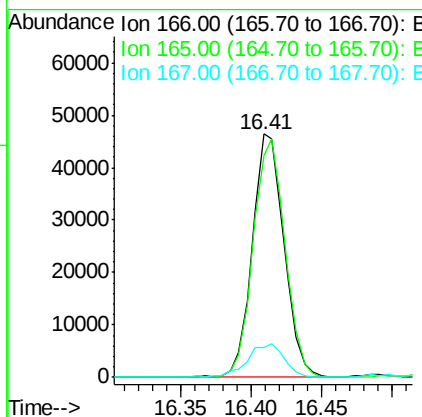
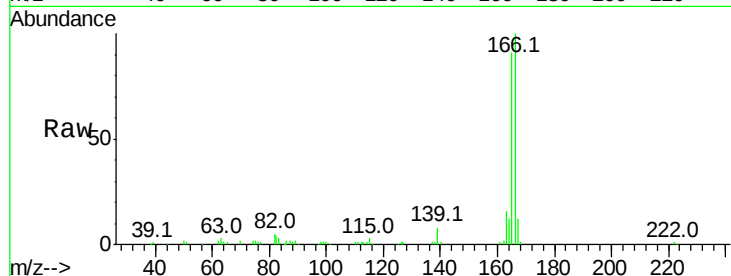




#57
Fluorene
 Concen: 6.976 ng
 RT: 16.41 min Scan# 2233
 Delta R.T. -0.01 min
 Lab File: BG032193.D
 Acq: 20 Jan 2018 23:42

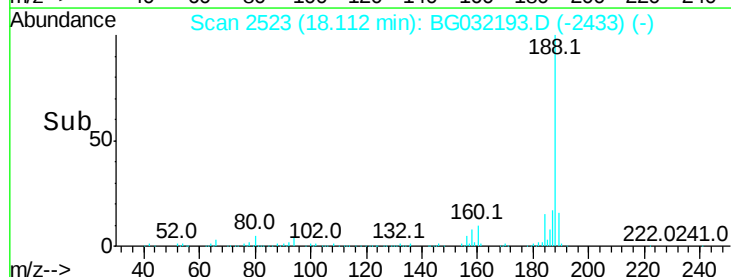
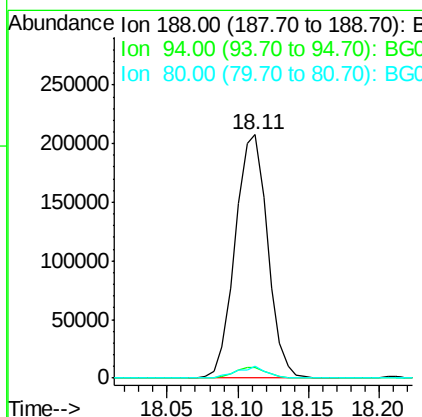
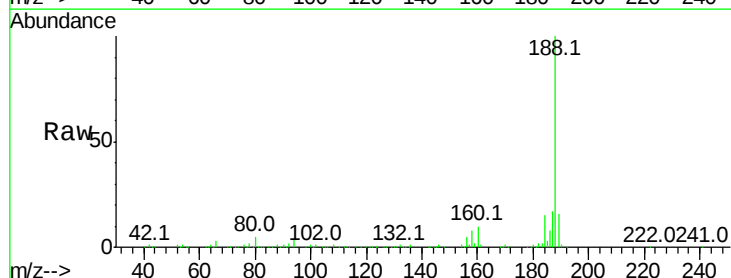
Instrument :
 BNA_G
 ClientSampleId :

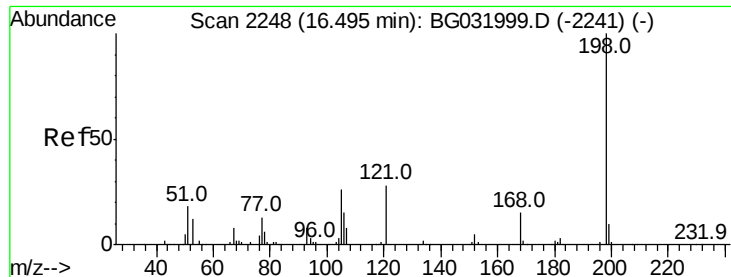
Tot Ion:166 Resp: 73268
 Ion Ratio Lower Upper
 166 100
 165 91.1 80.6 121.0
 167 12.2 10.4 15.6



#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.11 min Scan# 2523
 Delta R.T. -0.00 min
 Lab File: BG032193.D
 Acq: 20 Jan 2018 23:42

Tgt Ion:188 Resp: 333342
 Ion Ratio Lower Upper
 188 100
 94 4.4 6.9 10.3#
 80 4.7 7.7 11.5#

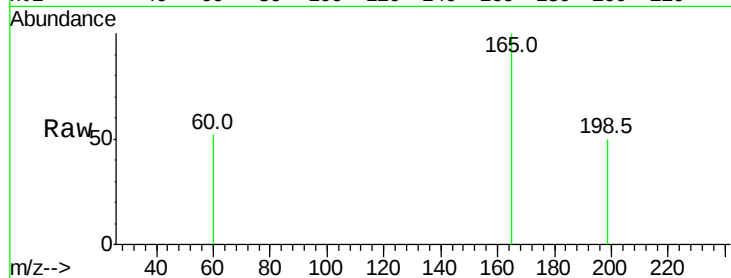




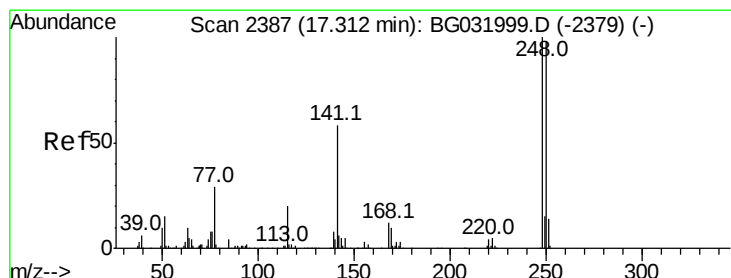
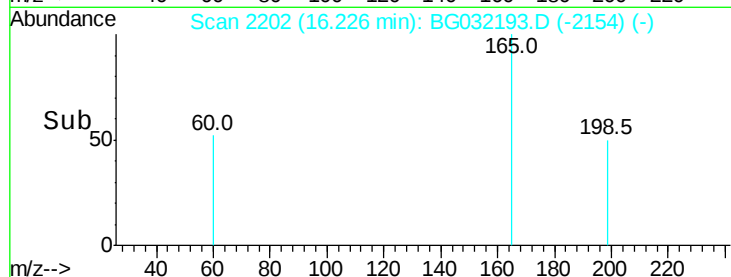
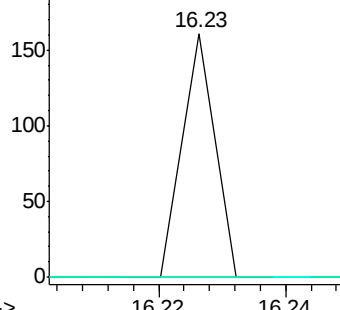
#64
 4,6-Dinitro-2-methylphenol
 Concen: 4.908 ng
 RT: 16.23 min Scan# 2202
 Delta R.T. -0.25 min
 Lab File: BG032193.D
 Acq: 20 Jan 2018 23:42

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:198 Resp: 57
 Ion Ratio Lower Upper
 198 100
 51 0.0 30.6 70.6#
 105 0.0 23.8 63.8#

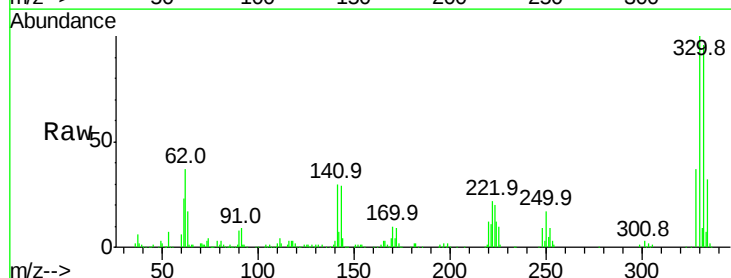


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BGC
 Ion 105.00 (104.70 to 105.70): E

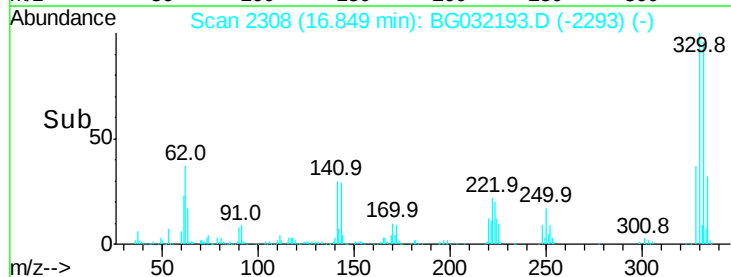
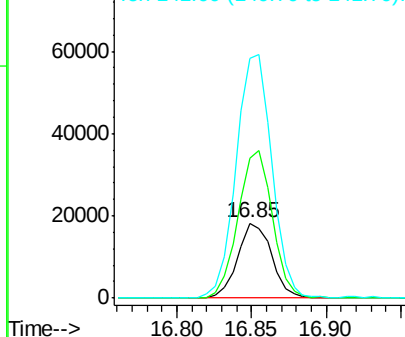


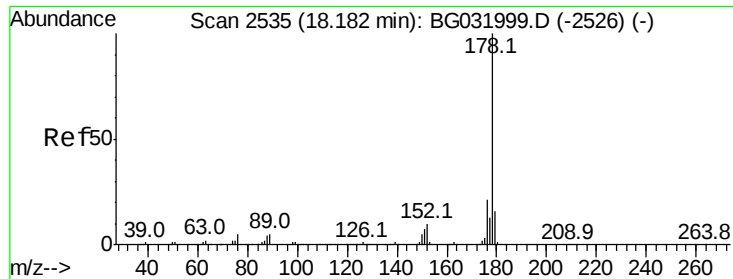
#66
 4-Bromophenyl-phenylether
 Concen: 6.045 ng
 RT: 16.85 min Scan# 2308
 Delta R.T. -0.44 min
 Lab File: BG032193.D
 Acq: 20 Jan 2018 23:42

Tgt Ion:248 Resp: 28669
 Ion Ratio Lower Upper
 248 100
 250 186.8 77.1 115.7#
 141 321.6 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

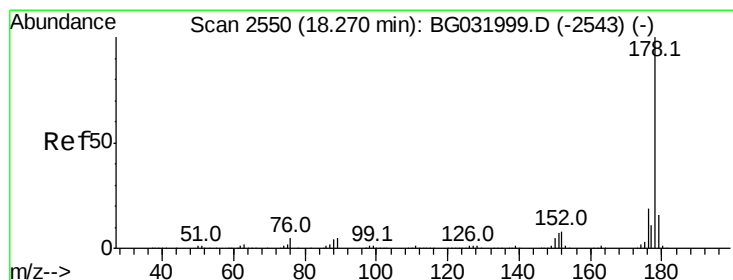
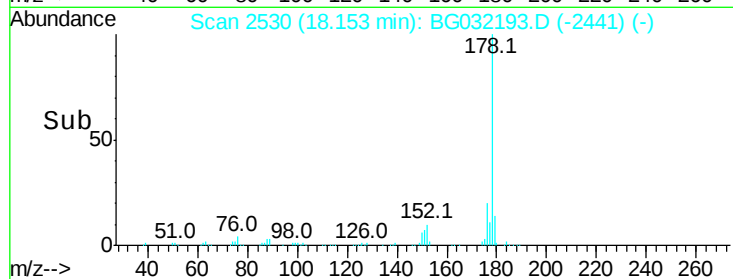
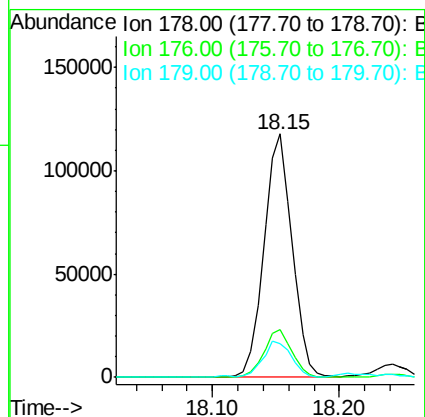
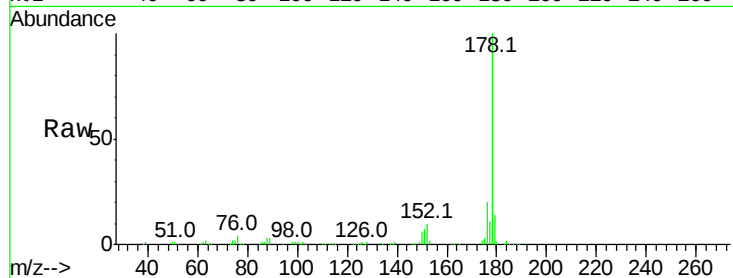




#70
Phenanthrene
Concen: 9.812 ng
RT: 18.15 min Scan# 2530
Delta R.T. -0.01 min
Lab File: BG032193.D
Acq: 20 Jan 2018 23:42

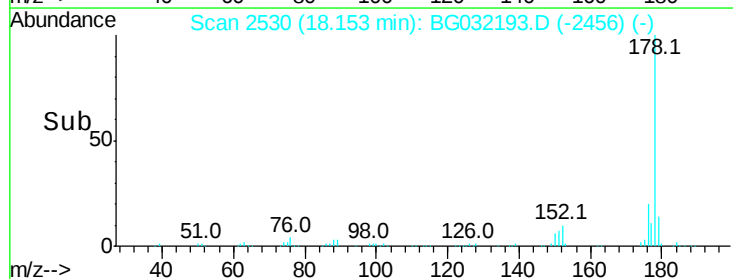
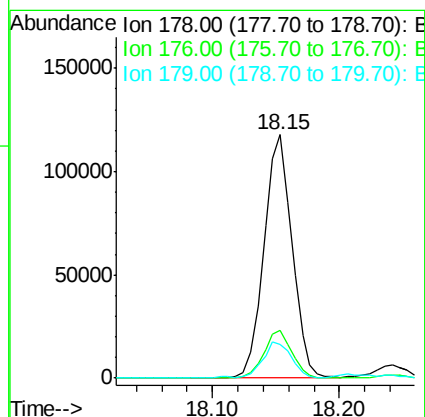
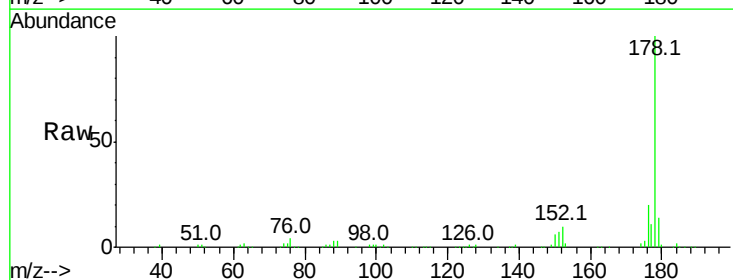
Instrument :
BNA_G
ClientSampleId :

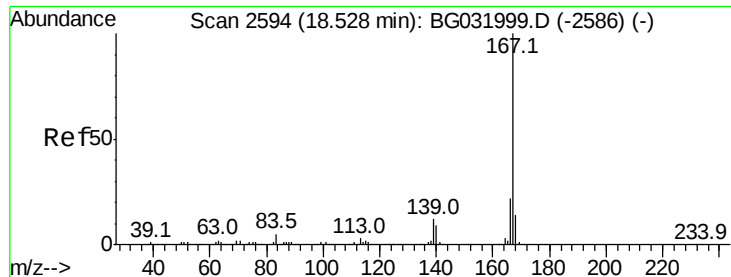
Tot Ion:178 Resp: 182110
Ion Ratio Lower Upper
178 100
176 19.5 15.7 23.5
179 14.1 12.5 18.7



#71
Anthracene
Concen: 9.838 ng
RT: 18.15 min Scan# 2530
Delta R.T. -0.10 min
Lab File: BG032193.D
Acq: 20 Jan 2018 23:42

Tgt Ion:178 Resp: 182110
Ion Ratio Lower Upper
178 100
176 19.5 16.0 24.0
179 14.1 12.5 18.7

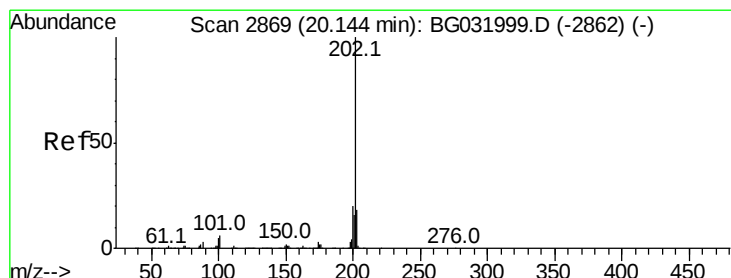
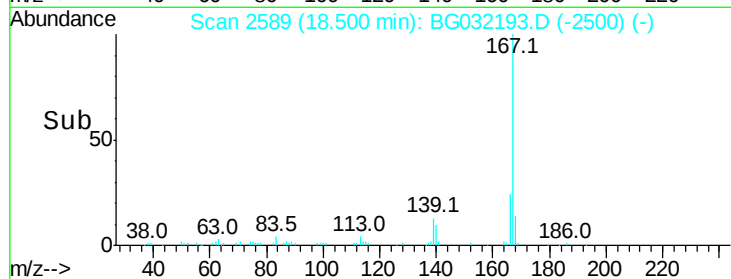
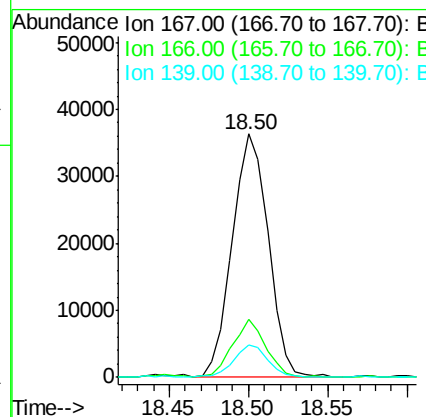
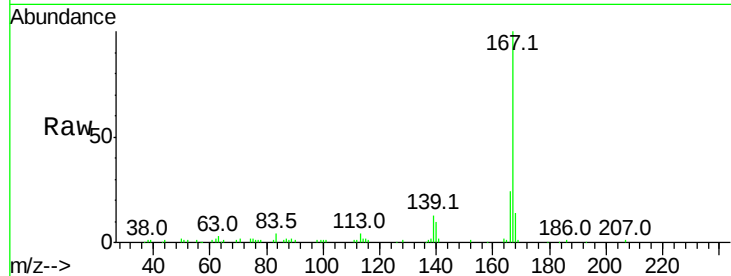




#72
 Carbazole
 Concen: 3.569 ng
 RT: 18.50 min Scan# 2589
 Delta R.T. -0.01 min
 Lab File: BG032193.D
 Acq: 20 Jan 2018 23:42

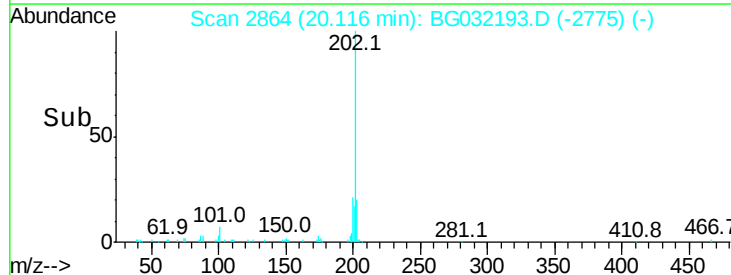
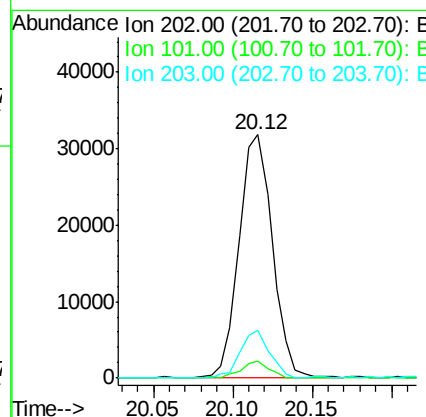
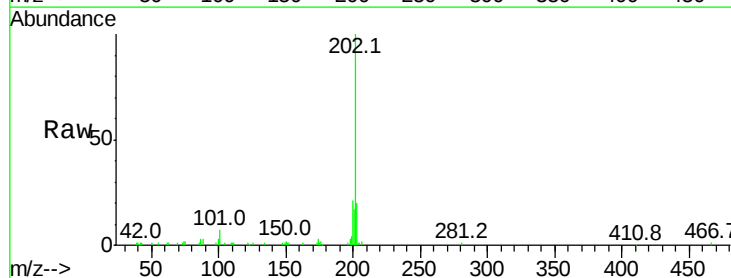
Instrument :
 BNA_G
 ClientSampleId :

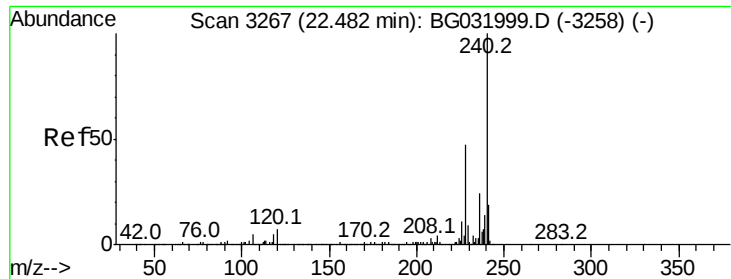
Tot Ion	Ratio	Lower	Upper
167	100		
166	23.7	18.2	27.4
139	13.1	9.4	14.2



#74
 Fluoranthene
 Concen: 2.008 ng
 RT: 20.12 min Scan# 2864
 Delta R.T. -0.01 min
 Lab File: BG032193.D
 Acq: 20 Jan 2018 23:42

Tgt Ion	Ratio	Lower	Upper
202	100		
101	6.8	0.0	28.9
203	19.8	0.0	37.5





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.44 min Scan# 3260

Delta R.T. -0.01 min

Lab File: BG032193.D

Acq: 20 Jan 2018 23:42

Instrument :

BNA_G

ClientSampleId :

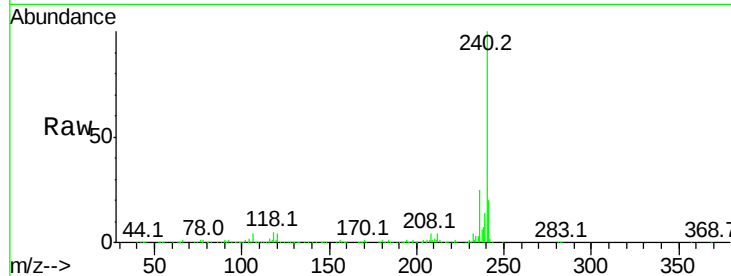
Tot Ion:240 Resp: 431383

Ion Ratio Lower Upper

240 100

120 4.3 6.8 10.2#

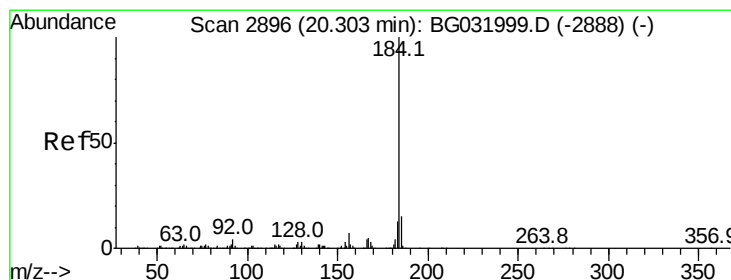
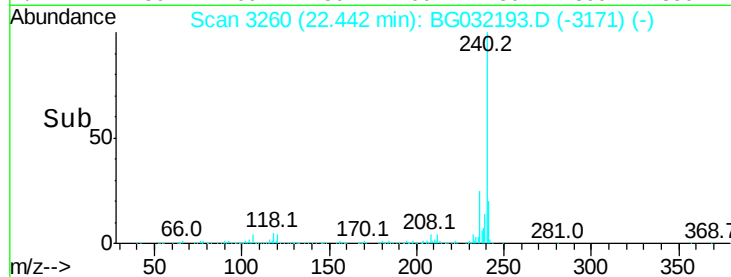
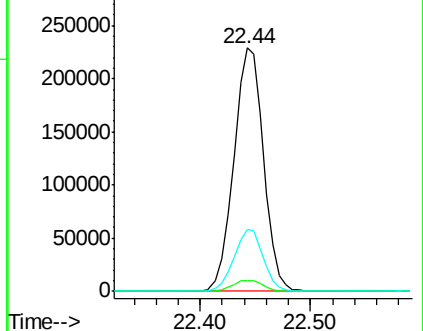
236 25.3 20.9 31.3



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: 2.769 ng

RT: 20.64 min Scan# 2954

Delta R.T. 0.37 min

Lab File: BG032193.D

Acq: 20 Jan 2018 23:42

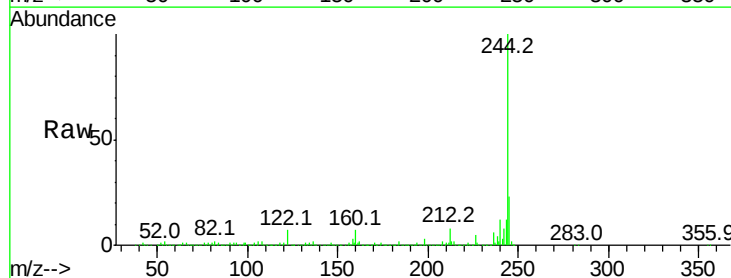
Tgt Ion:184 Resp: 29867

Ion Ratio Lower Upper

184 100

185 14.4 11.1 16.7

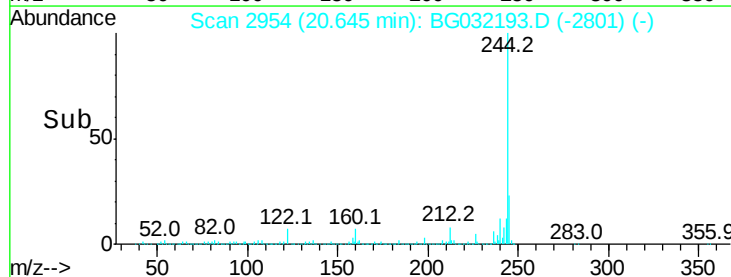
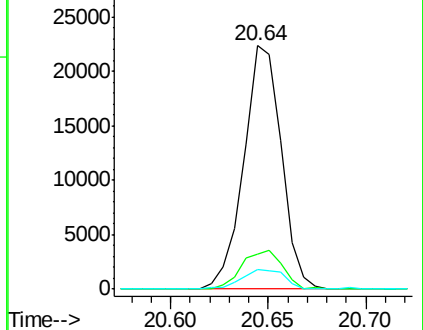
183 8.2 10.6 16.0#

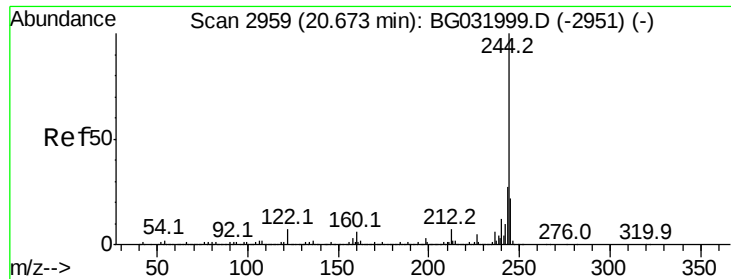


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 101.170 ng

RT: 20.64 min Scan# 2954

Delta R.T. -0.01 min

Lab File: BG032193.D

Acq: 20 Jan 2018 23:42

Instrument :

BNA_G

ClientSampleId :

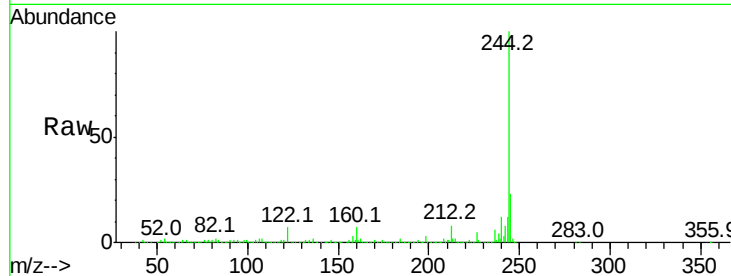
Tot Ion:244 Resp: 1976539

Ion	Ratio	Lower	Upper
244	100		
212	8.4	5.8	8.8
122	6.6	7.0	10.4

244 100

212 8.4 5.8 8.8

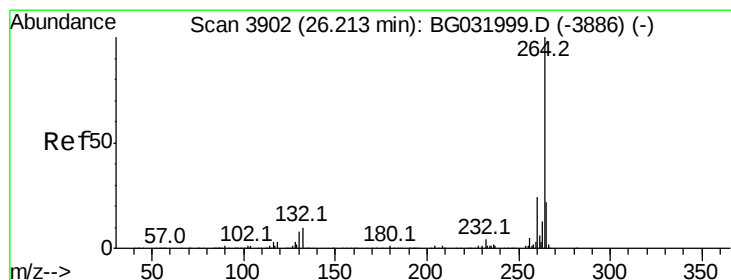
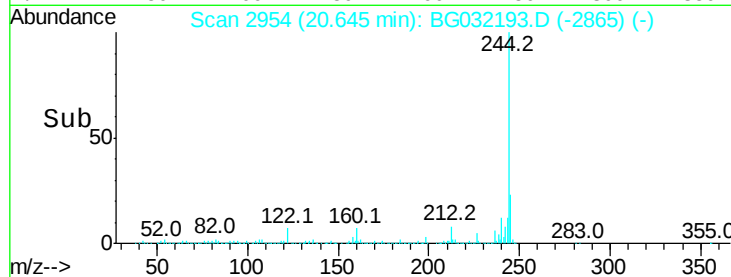
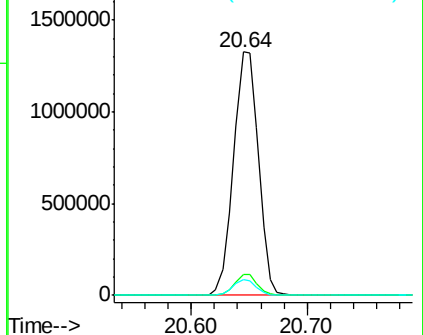
122 6.6 7.0 10.4



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

Perylene-d12

Concen: 20.000 ng

RT: 26.14 min Scan# 3890

Delta R.T. -0.01 min

Lab File: BG032193.D

Acq: 20 Jan 2018 23:42

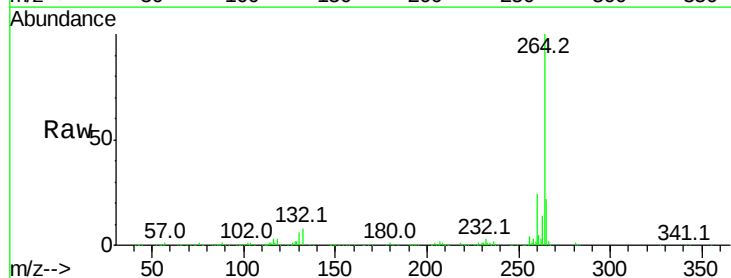
Tgt Ion:264 Resp: 453155

Ion	Ratio	Lower	Upper
264	100		
260	23.8	17.4	26.0
265	22.1	17.7	26.5

264 100

260 23.8 17.4 26.0

265 22.1 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

