

Data Path : Z:\HPCHEM1\BNA G\DATA\BG040518\
 Data File : BG033599.D
 Acq On : 5 Apr 2018 19:11
 Operator : SJ/JU
 Sample : J2216-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 06 03:20:14 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	41277	20.00	ng	0.00
21) Naphthalene-d8	11.74	136	199917	20.00	ng	0.00
38) Acenaphthene-d10	15.48	164	146044	20.00	ng	0.00
63) Phenanthrene-d10	18.21	188	331217	20.00	ng	0.00
75) Chrysene-d12	22.55	240	328328	20.00	ng	0.00
86) Perylene-d12	26.31	264	354122	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	6.29	112	118550	53.85	ng	0.00
7) Phenol-d6	7.97	99	124317	32.87	ng	0.00
23) Nitrobenzene-d5	10.06	82	333149	76.56	ng	0.00
41) 2,4,6-Tribromophenol	16.95	330	219071	100.30	ng	0.00
44) 2-Fluorobiphenyl	14.10	172	778791	76.98	ng	0.00
78) Terphenyl-d14	20.73	244	936165	60.98	ng	0.00

Target Compounds

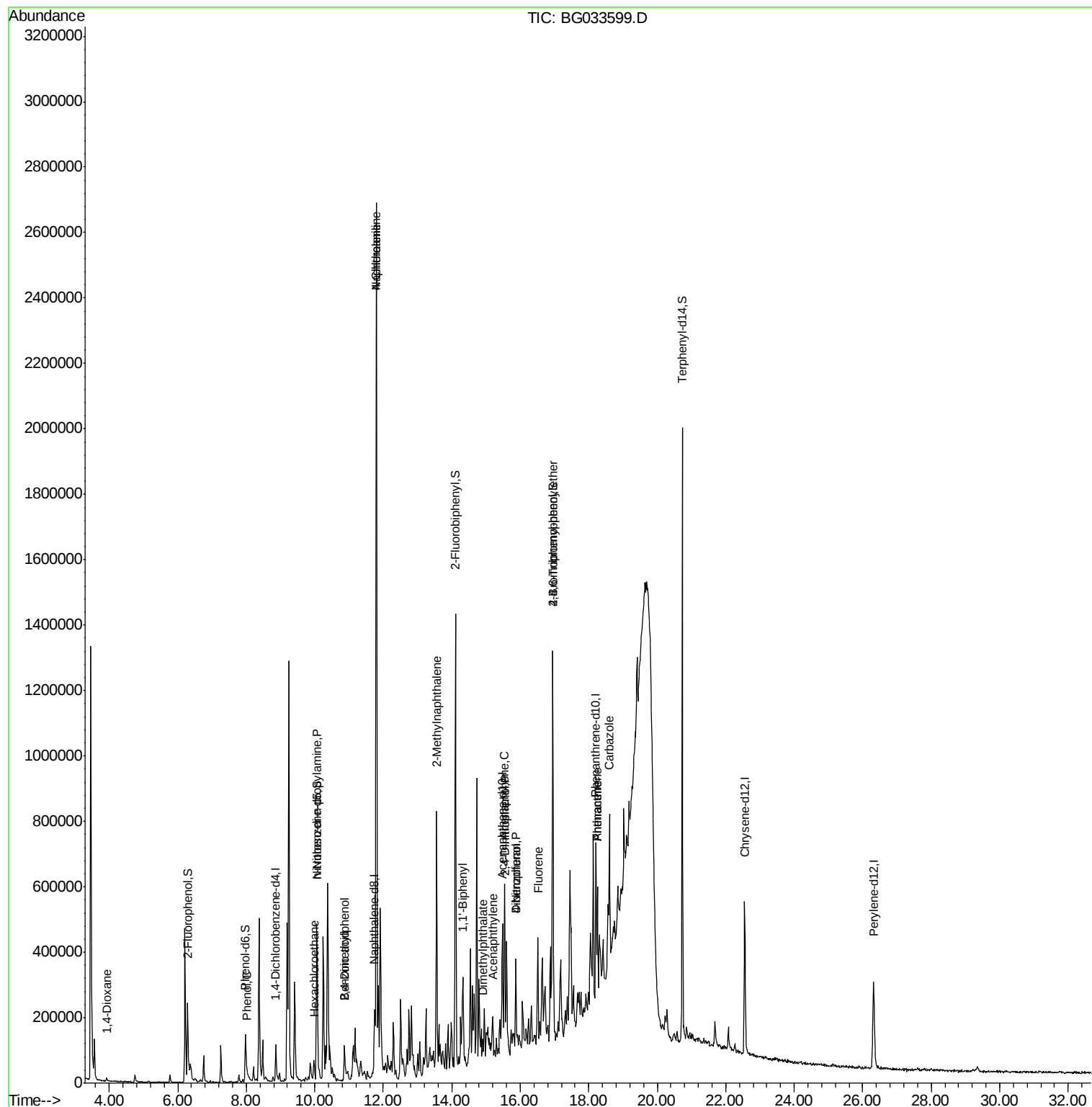
						Qvalue
2) 1,4-Dioxane	3.92	88	5932	5.306	ng	89
10) Phenol	8.01	94	12195	3.266	ng	89
18) Hexachloroethane	9.99	117	4452	3.501	ng	# 1
19) n-Nitroso-di-n-propylamine	10.06	70	46064	16.621	ng	# 83
27) 2,4-Dimethylphenol	10.87	122	44716	17.457	ng	87
31) Naphthalene	11.80	128	2221234	214.410	ng	97
32) Benzoic acid	10.87	122	44716	18.778	ng	# 15
33) 4-Chloroaniline	11.80	127	328503	70.777	ng	# 37
37) 2-Methylnaphthalene	13.56	142	374106	46.525	ng	# 88
45) 1,1'-Biphenyl	14.32	154	60939	5.431	ng	98
48) Acenaphthylene	15.21	152	38813	2.688	ng	# 95
49) Dimethylphthalate	14.90	163	29367	2.311	ng	# 95
51) Acenaphthene	15.54	154	200963	21.588	ng	98
53) 2,4-Dinitrophenol	15.56	184	215	7.787	ng	# 1
54) Dibenzofuran	15.87	168	198273	14.419	ng	96
55) 4-Nitrophenol	15.87	139	82347	42.982	ng	# 5
57) Fluorene	16.51	166	135199	11.541	ng	98
66) 4-Bromophenyl-phenylether	16.95	248	17084	4.392	ng	# 1
70) Phenanthrene	18.25	178	210186	12.185	ng	99
71) Anthracene	18.25	178	210186	12.034	ng	99
72) Carbazole	18.60	167	324804	20.986	ng	98

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

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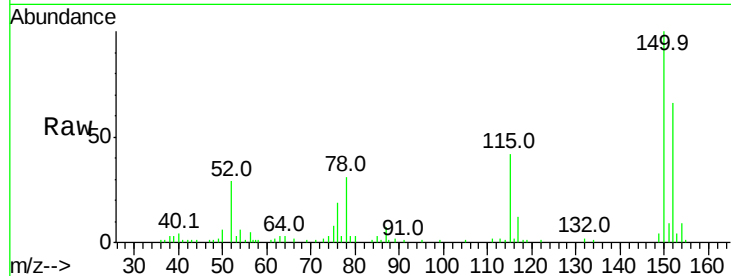


#1

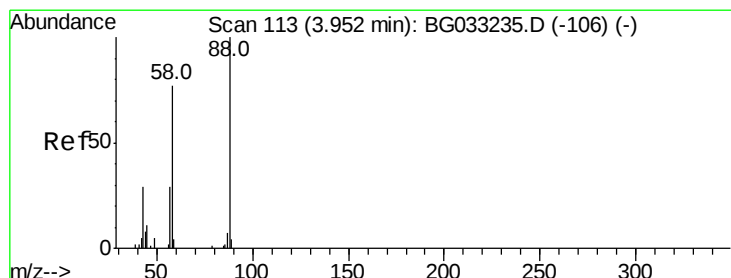
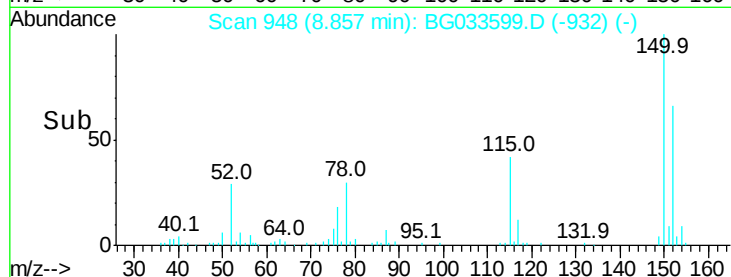
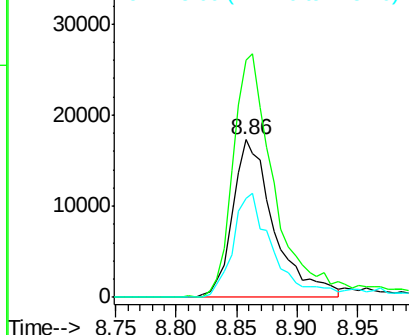
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.86 min Scan# 948
Delta R.T. -0.01 min
Lab File: BG033599.D
Acq: 5 Apr 2018 19:11

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 41277
Ion Ratio Lower Upper
152 100
150 150.6 126.6 189.8
115 62.9 53.0 79.4



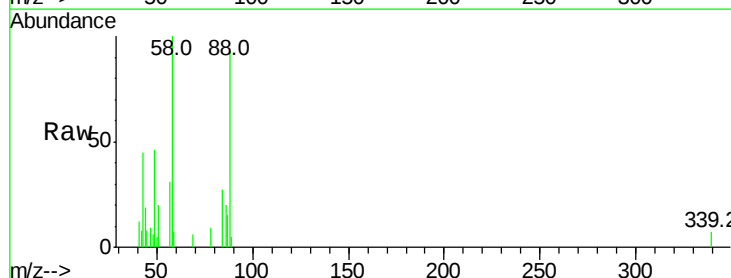
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



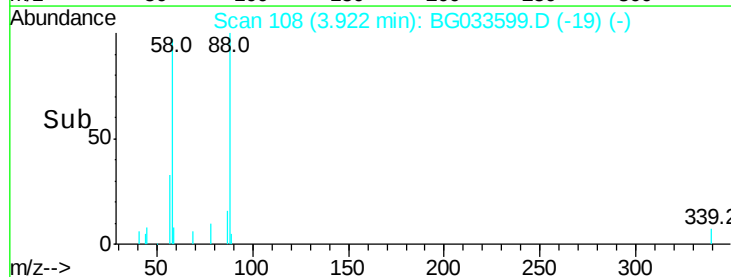
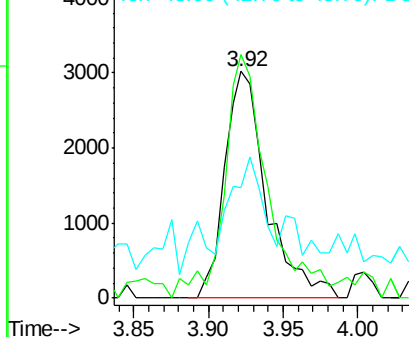
#2

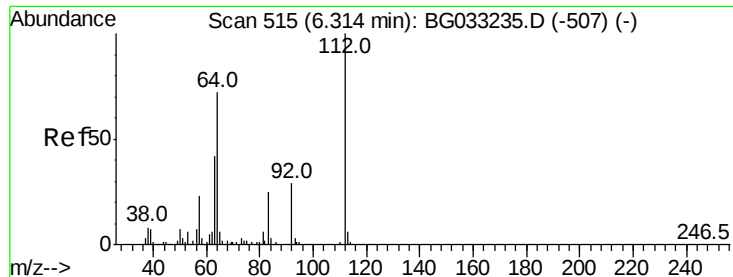
1,4-Dioxane
Concen: 5.306 ng
RT: 3.92 min Scan# 108
Delta R.T. -0.01 min
Lab File: BG033599.D
Acq: 5 Apr 2018 19:11

Tgt Ion: 88 Resp: 5932
Ion Ratio Lower Upper
88 100
58 111.4 79.6 119.4
43 30.2 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





#5

2-Fluorophenol

Concen: 53.855 ng

RT: 6.29 min Scan# 511

Delta R.T. -0.00 min

Lab File: BG033599.D

Acq: 5 Apr 2018 19:11

Instrument :

BNA_G

ClientSampleId :

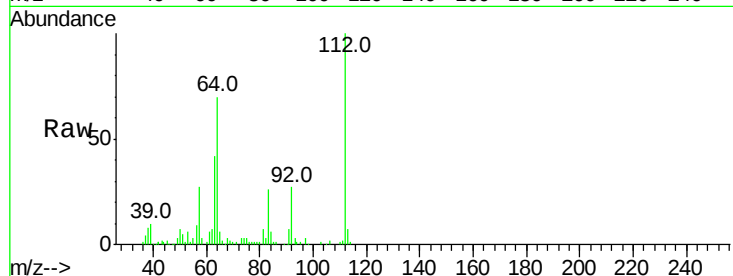
Tot Ion:112 Resp: 118550

Ion Ratio Lower Upper

112 100

64 69.7 56.3 84.5

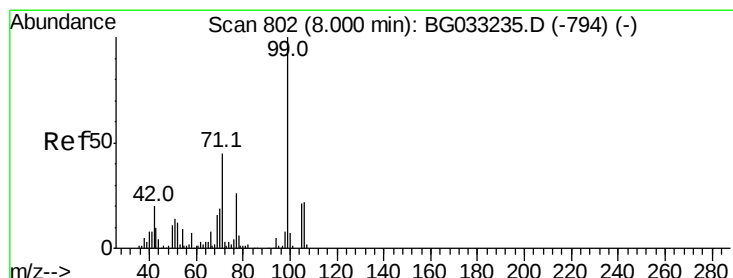
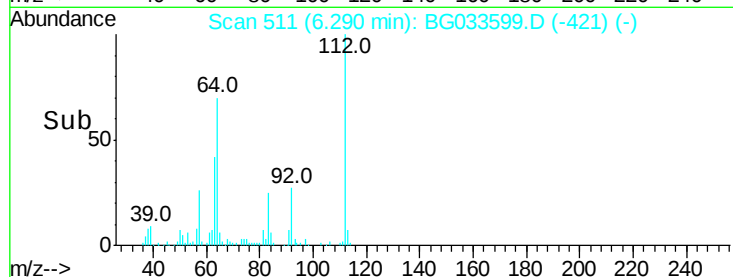
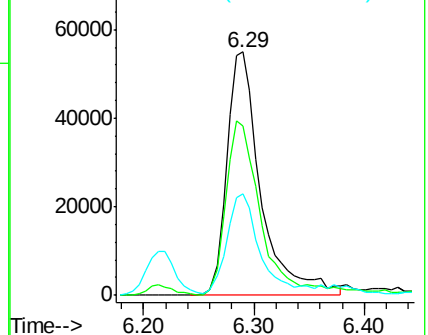
63 41.7 30.1 45.1



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: 32.868 ng

RT: 7.97 min Scan# 797

Delta R.T. -0.00 min

Lab File: BG033599.D

Acq: 5 Apr 2018 19:11

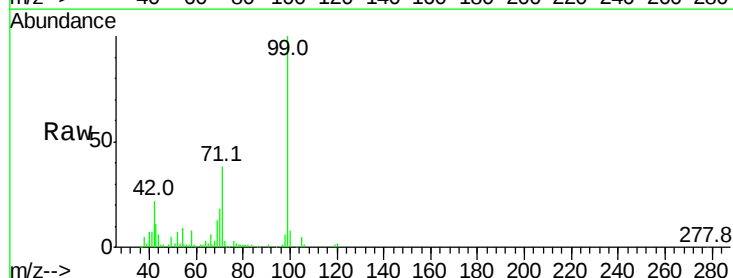
Tgt Ion: 99 Resp: 124317

Ion Ratio Lower Upper

99 100

42 22.4 14.1 21.1#

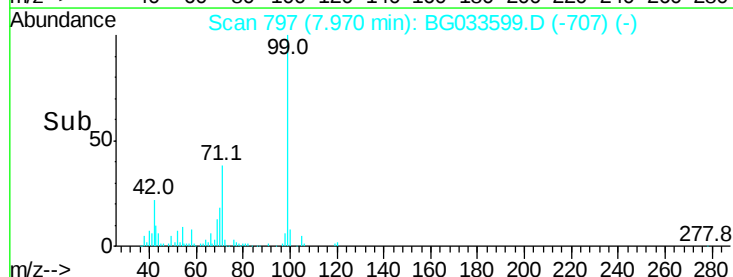
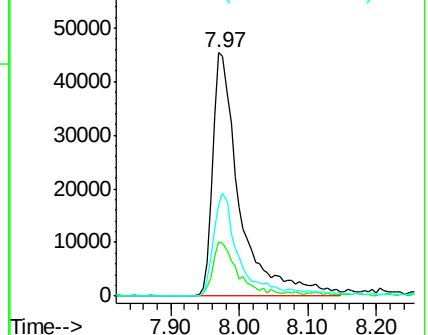
71 37.6 26.1 39.1

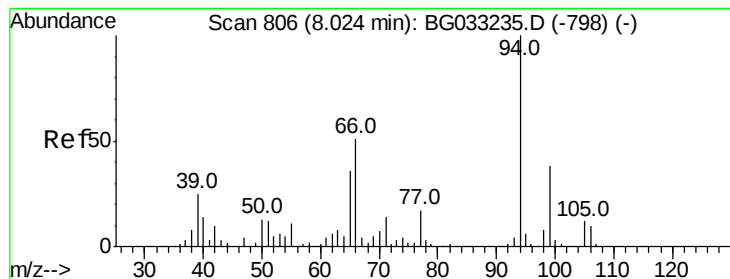


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#10

Phenol

Concen: 3.266 ng

RT: 8.01 min Scan# 804

Delta R.T. 0.01 min

Lab File: BG033599.D

Acq: 5 Apr 2018 19:11

Instrument :

BNA_G

ClientSampled :

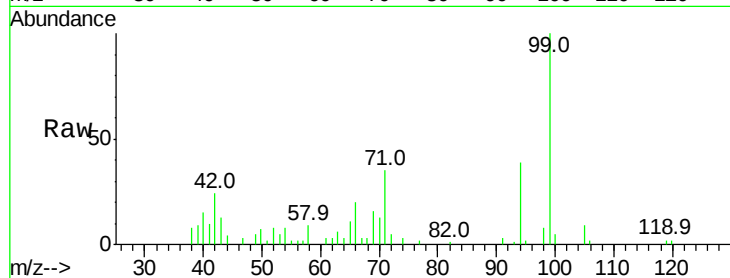
Tot Ion: 94 Resp: 12195

Ion Ratio Lower Upper

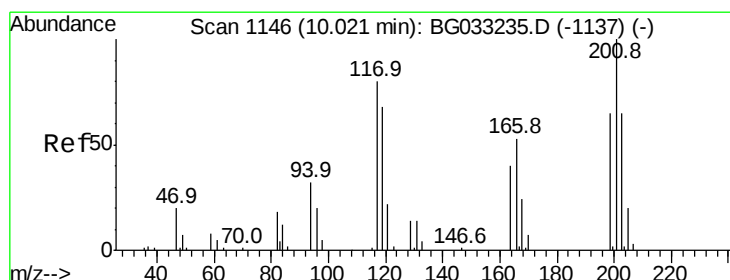
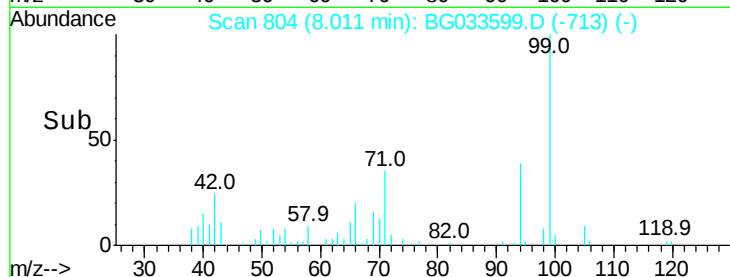
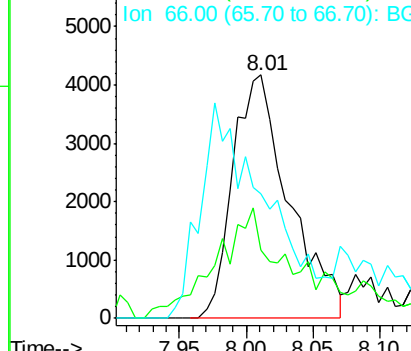
94 100

65 28.0 11.9 51.9

66 51.3 22.2 62.2



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC



#18

Hexachloroethane

Concen: 3.501 ng

RT: 9.99 min Scan# 1140

Delta R.T. 0.01 min

Lab File: BG033599.D

Acq: 5 Apr 2018 19:11

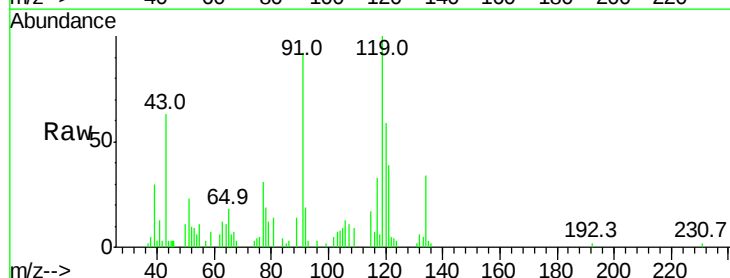
Tgt Ion: 117 Resp: 4452

Ion Ratio Lower Upper

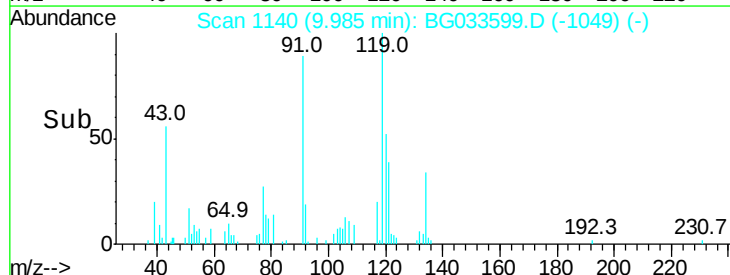
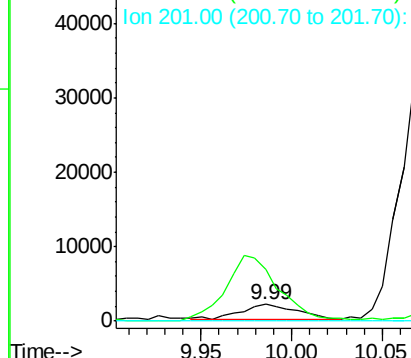
117 100

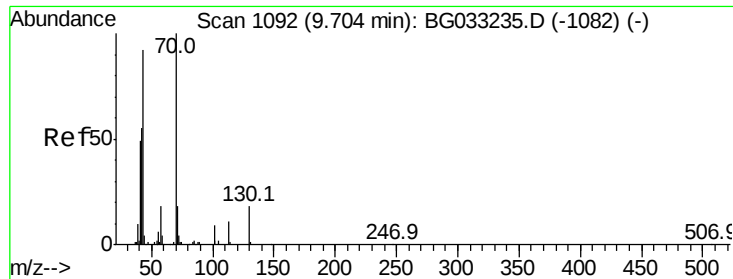
119 305.5 76.7 115.1#

201 0.0 95.7 143.5#



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

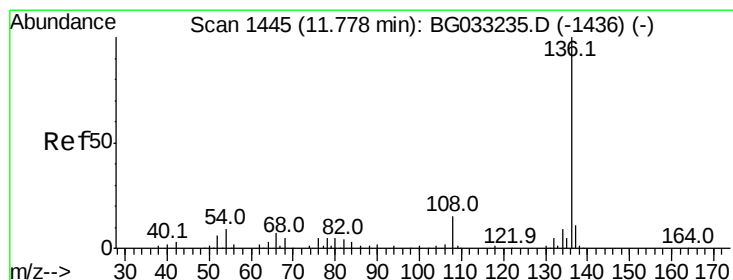
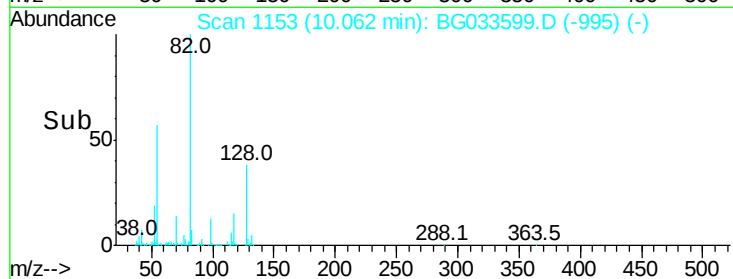
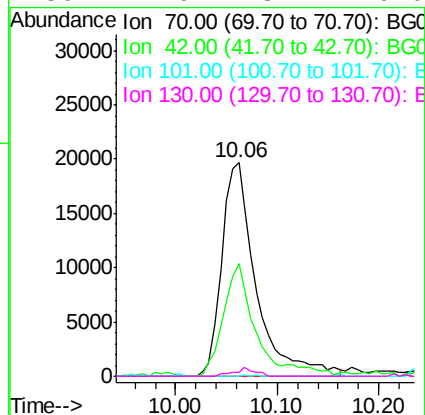
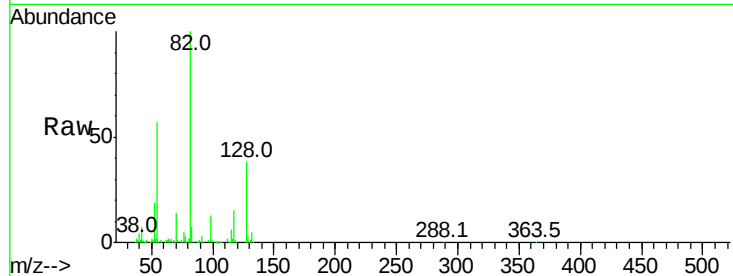




#19
n-Nitroso-di-n-propylamine
Concen: 16.621 ng
RT: 10.06 min Scan# 1153
Delta R.T. 0.40 min
Lab File: BG033599.D
Acq: 5 Apr 2018 19:11

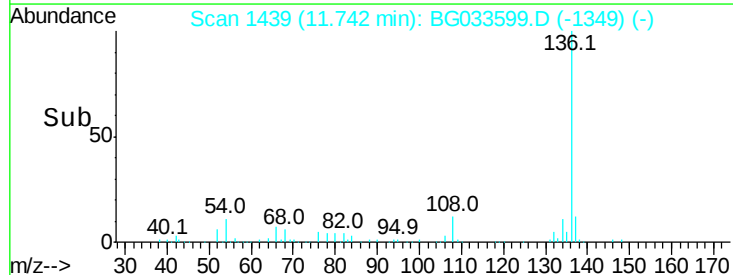
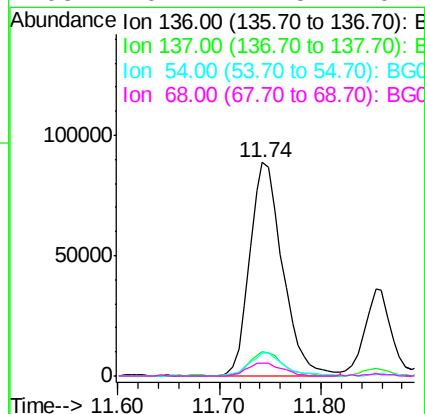
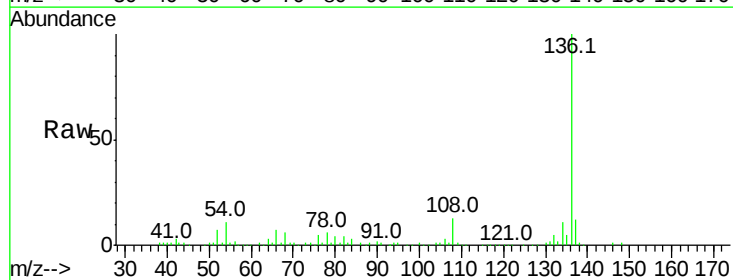
Instrument :
BNA_G
ClientSampleId :

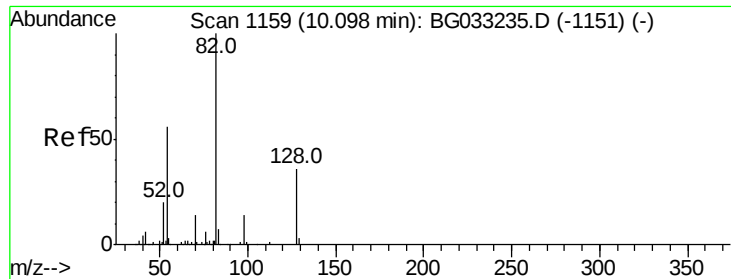
Tot Ion: 70 Resp: 46064
Ion Ratio Lower Upper
70 100
42 53.0 49.1 73.7
101 0.0 8.5 12.7#
130 1.9 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.74 min Scan# 1439
Delta R.T. -0.00 min
Lab File: BG033599.D
Acq: 5 Apr 2018 19:11

Tgt Ion: 136 Resp: 199917
Ion Ratio Lower Upper
136 100
137 11.6 9.2 13.8
54 10.8 10.3 15.5
68 6.2 4.5 6.7

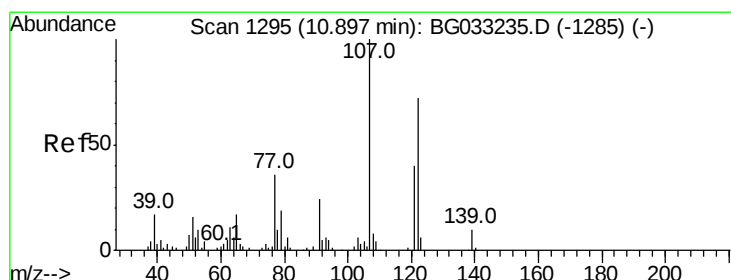
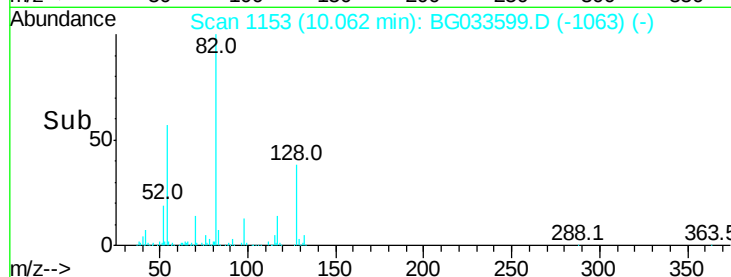
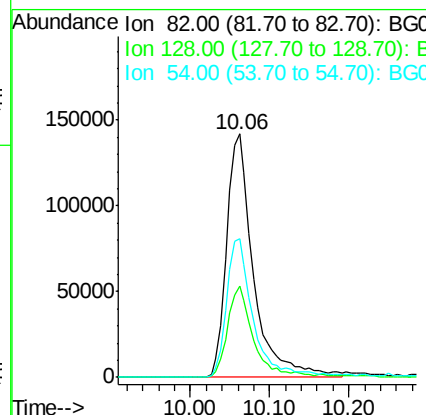
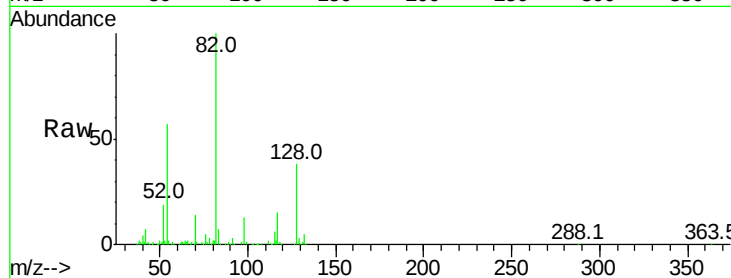




#23
Nitrobenzene-d5
Concen: 76.563 ng
RT: 10.06 min Scan# 1153
Delta R.T. -0.00 min
Lab File: BG033599.D
Acq: 5 Apr 2018 19:11

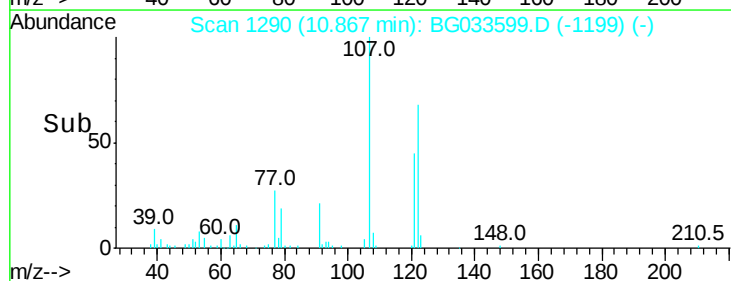
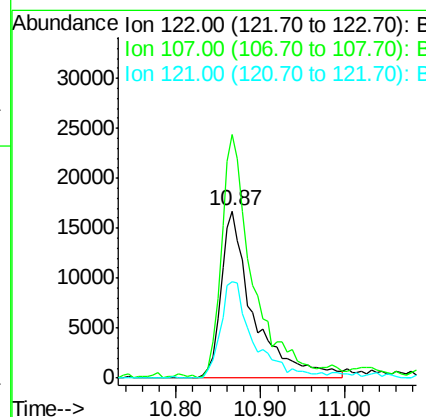
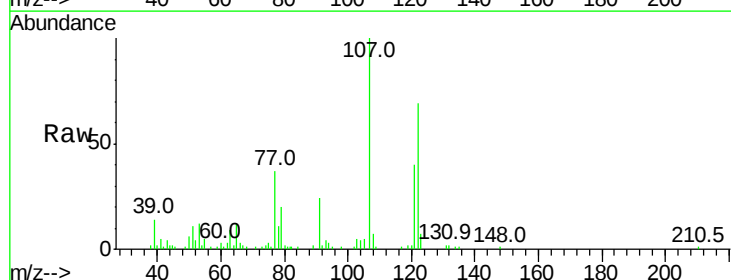
Instrument :
BNA_G
ClientSampleId :

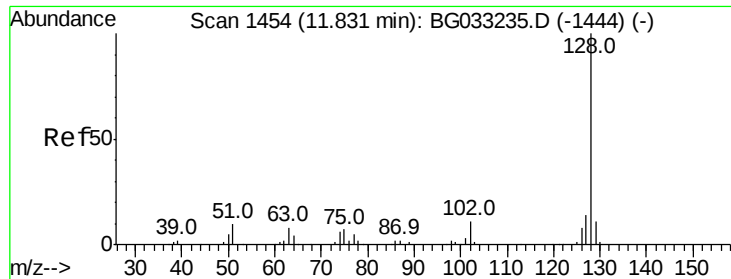
Tot Ion: 82 Resp: 333149
Ion Ratio Lower Upper
82 100
128 37.6 29.7 44.5
54 57.0 43.1 64.7



#27
2,4-Dimethylphenol
Concen: 17.457 ng
RT: 10.87 min Scan# 1290
Delta R.T. 0.01 min
Lab File: BG033599.D
Acq: 5 Apr 2018 19:11

Tgt Ion:122 Resp: 44716
Ion Ratio Lower Upper
122 100
107 145.4 100.2 150.2
121 57.7 44.4 66.6

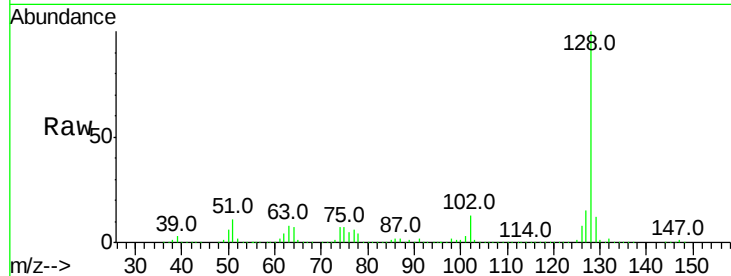




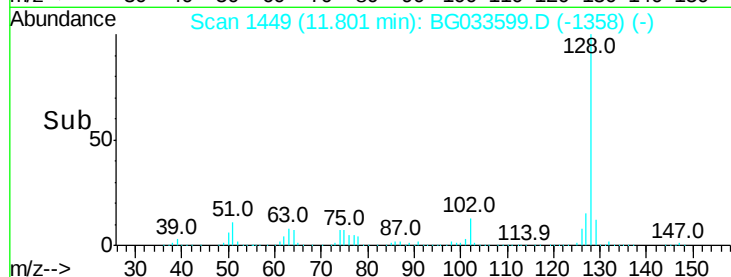
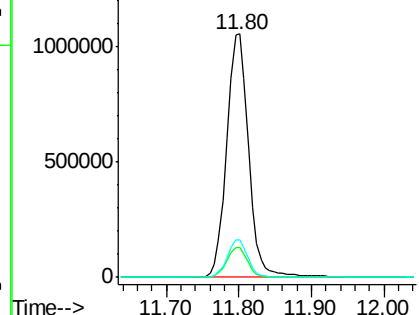
#31
Naphthalene
Concen: 214.410 ng
RT: 11.80 min Scan# 1449
Delta R.T. 0.01 min
Lab File: BG033599.D
Acq: 5 Apr 2018 19:11

Instrument :
BNA_G
ClientSampleId :

Tot Ion:128 Resp: 2221234
Ion Ratio Lower Upper
128 100
129 12.4 8.6 12.8
127 15.2 11.6 17.4

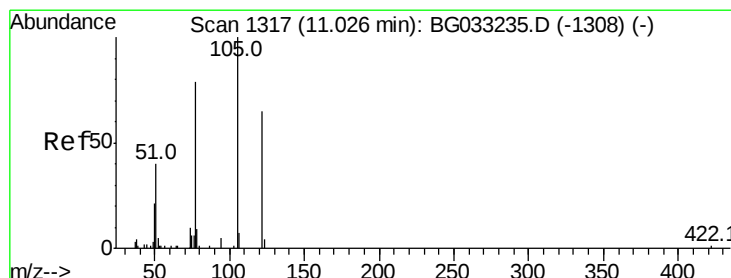


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

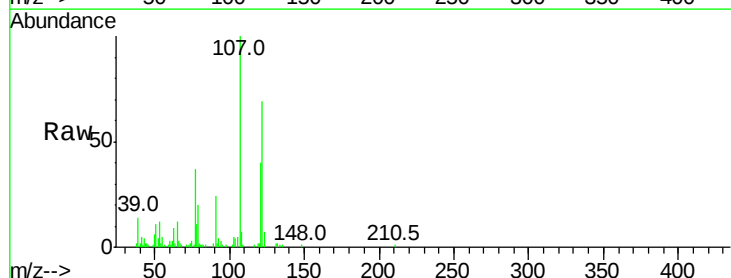
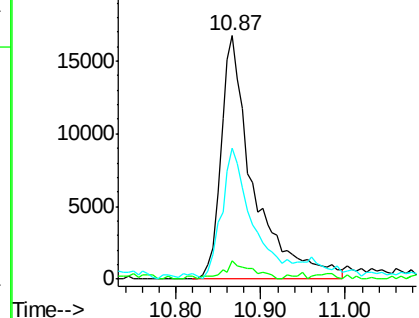


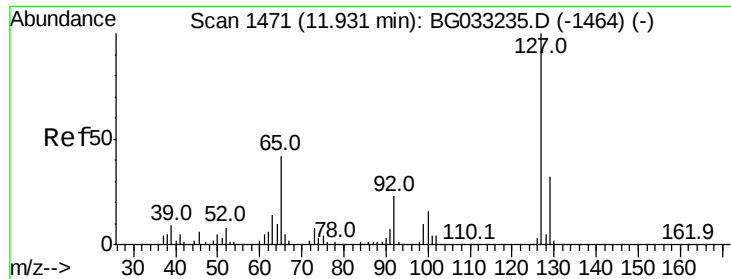
#32
Benzoic acid
Concen: 18.778 ng
RT: 10.87 min Scan# 1290
Delta R.T. -0.13 min
Lab File: BG033599.D
Acq: 5 Apr 2018 19:11

Tgt Ion:122 Resp: 44716
Ion Ratio Lower Upper
122 100
105 7.4 123.5 163.5#
77 53.8 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

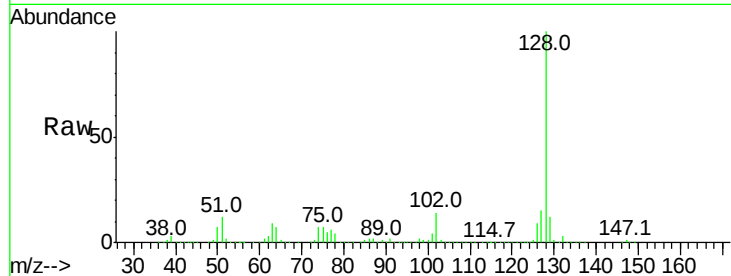




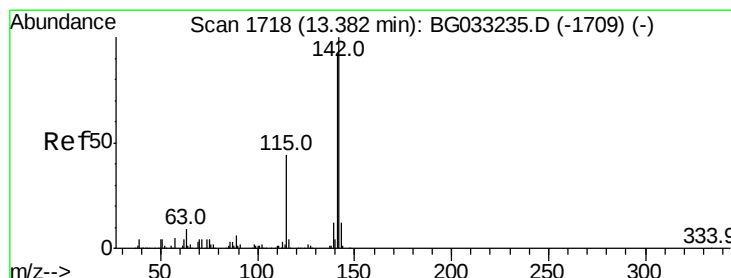
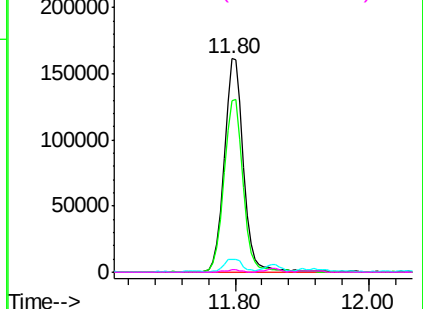
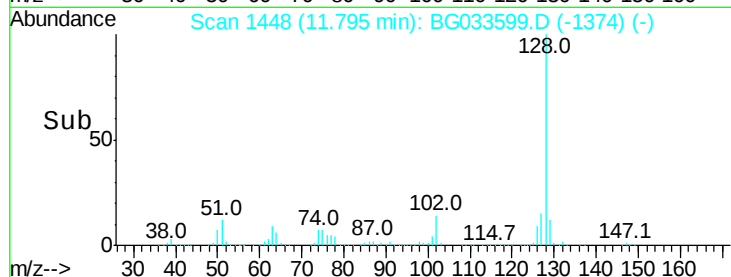
#33
4-Chloroaniline
Concen: 70.777 ng
RT: 11.80 min Scan# 1448
Delta R.T. -0.09 min
Lab File: BG033599.D
Acq: 5 Apr 2018 19:11

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	127	Resp:	328503
Ion	Ratio	Lower	Upper
127	100		
129	80.3	24.0	36.0#
65	6.2	27.0	40.4#
92	1.0	16.6	25.0#

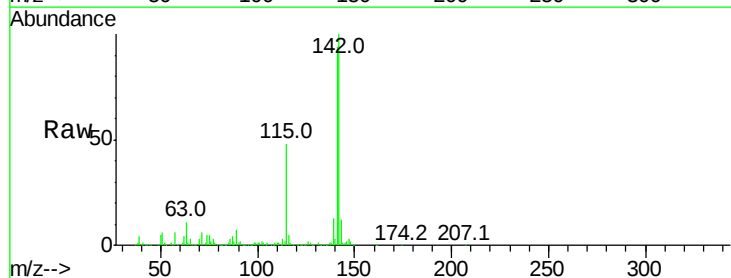


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC

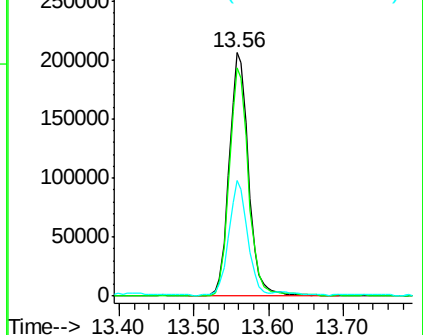
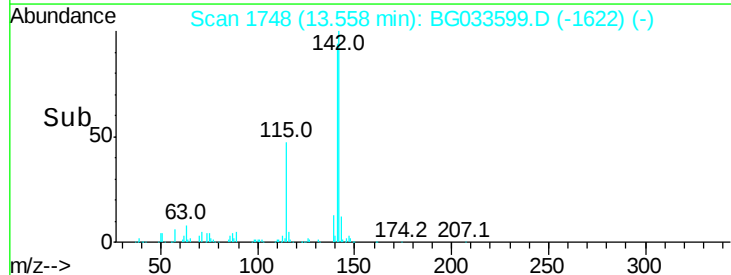


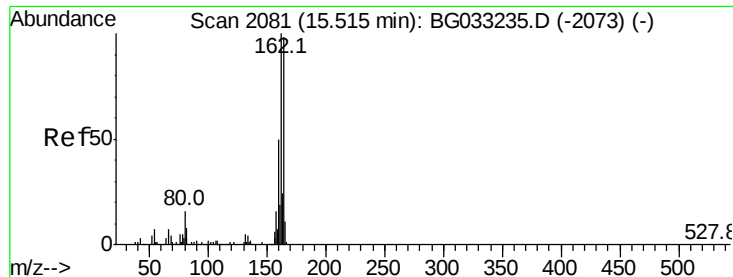
#37
2-Methylnaphthalene
Concen: 46.525 ng
RT: 13.56 min Scan# 1748
Delta R.T. 0.21 min
Lab File: BG033599.D
Acq: 5 Apr 2018 19:11

Tgt Ion:	142	Resp:	374106
Ion	Ratio	Lower	Upper
142	100		
141	93.9	67.1	100.7
115	47.7	30.7	46.1#



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.48 min Scan# 2075

Delta R.T. -0.00 min

Lab File: BG033599.D

Acq: 5 Apr 2018 19:11

Instrument :

BNA_G

ClientSampleId :

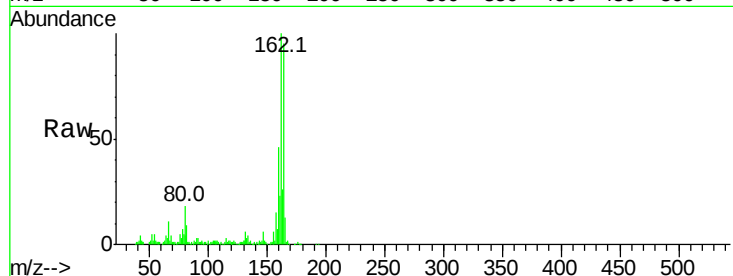
Tot Ion:164 Resp: 146044

Ion Ratio Lower Upper

164 100

162 104.7 78.8 118.2

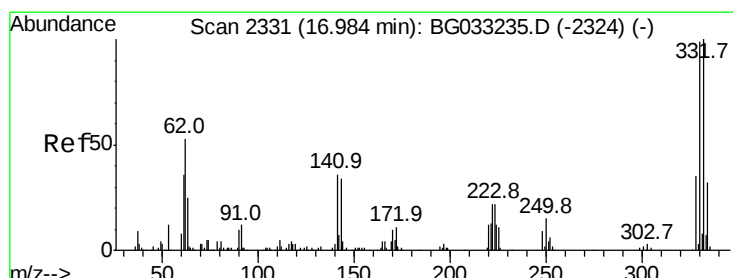
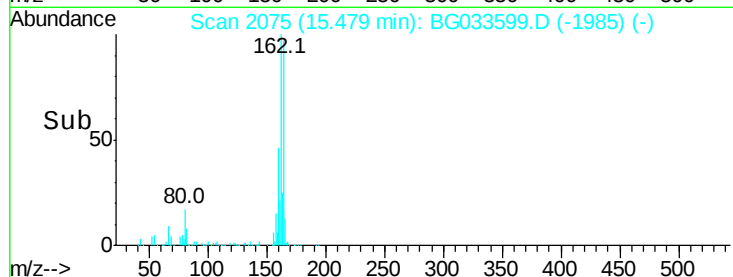
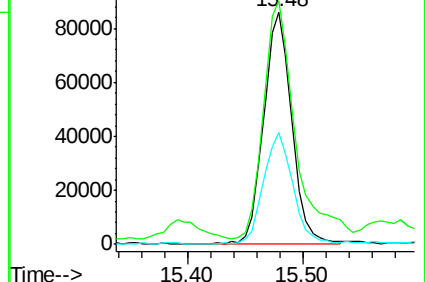
160 48.1 35.4 53.0



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 100.295 ng

RT: 16.95 min Scan# 2326

Delta R.T. -0.00 min

Lab File: BG033599.D

Acq: 5 Apr 2018 19:11

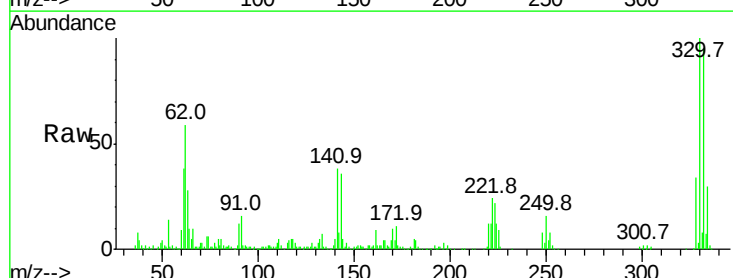
Tgt Ion:330 Resp: 219071

Ion Ratio Lower Upper

330 100

332 96.2 77.0 115.6

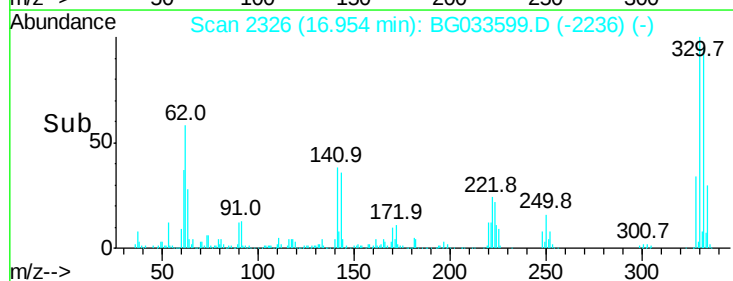
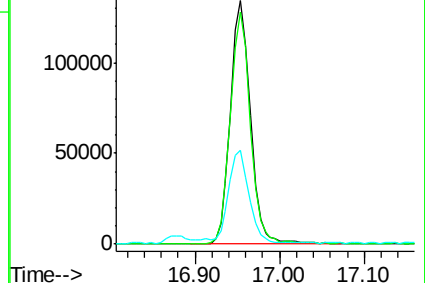
141 38.4 25.2 37.8#

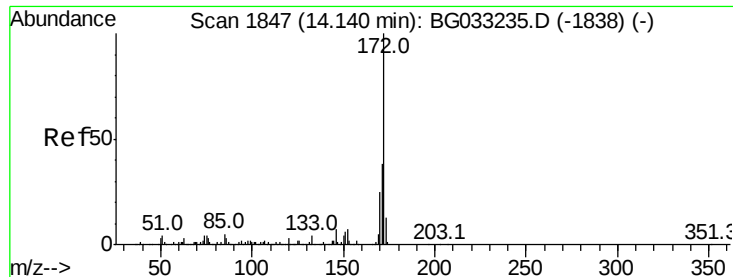


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

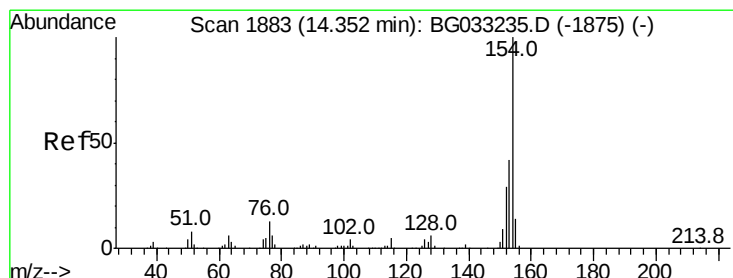
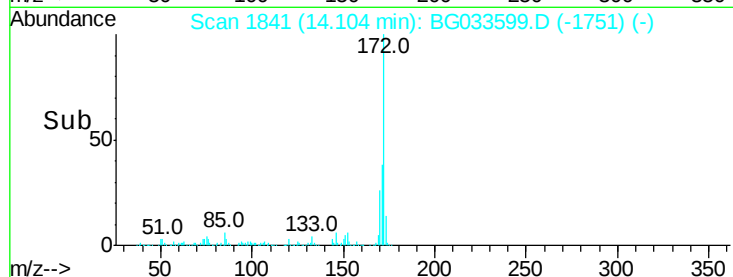
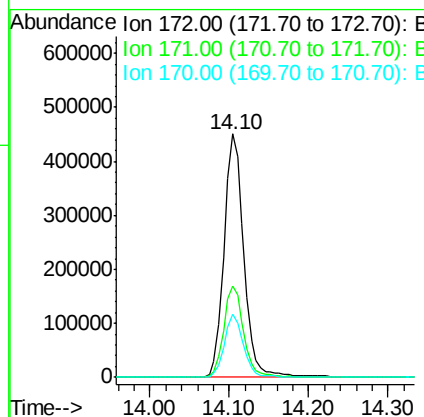
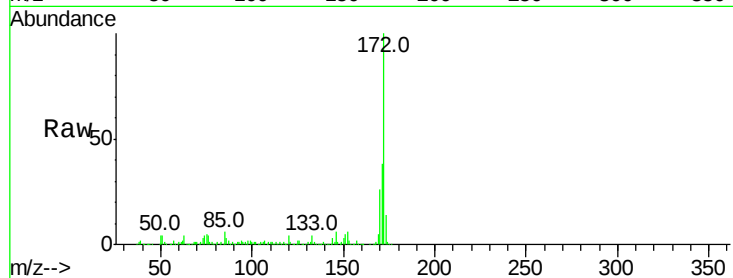




#44
 2-Fluorobiphenyl
 Concen: 76.983 ng
 RT: 14.10 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: BG033599.D
 Acq: 5 Apr 2018 19:11

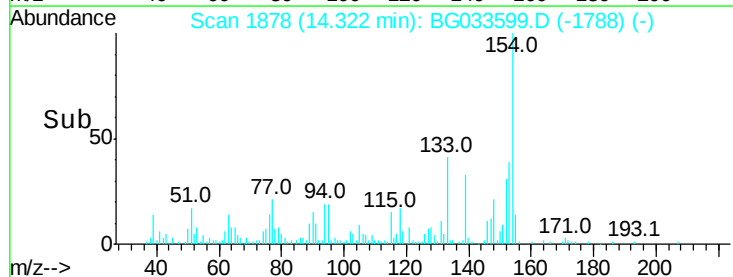
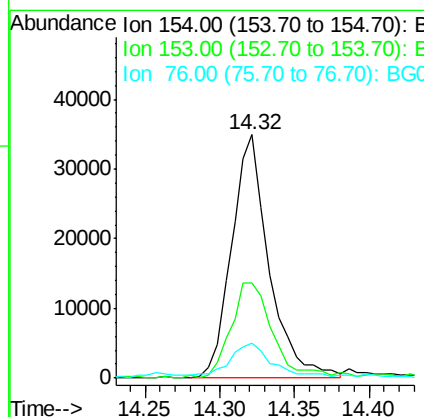
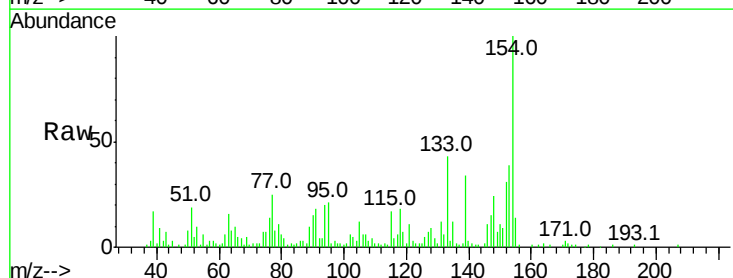
Instrument :
 BNA_G
 ClientSampleId :

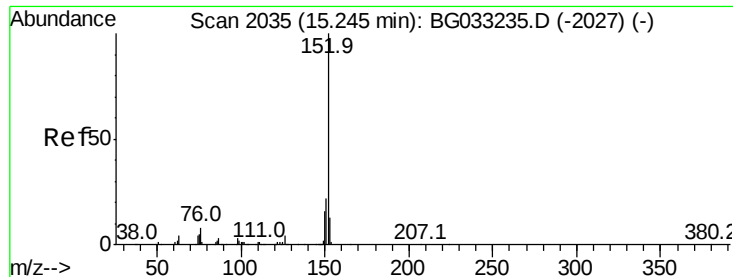
Tot Ion	Ratio	Lower	Upper
172	100		
171	37.6	30.0	45.0
170	25.7	19.5	29.3



#45
 1,1'-Biphenyl
 Concen: 5.431 ng
 RT: 14.32 min Scan# 1878
 Delta R.T. -0.00 min
 Lab File: BG033599.D
 Acq: 5 Apr 2018 19:11

Tgt Ion	Ratio	Lower	Upper
154	100		
153	39.0	19.8	59.8
76	14.4	0.0	31.9





#48

Acenaphthylene

Concen: 2.688 ng

RT: 15.21 min Scan# 2029

Delta R.T. -0.00 min

Lab File: BG033599.D

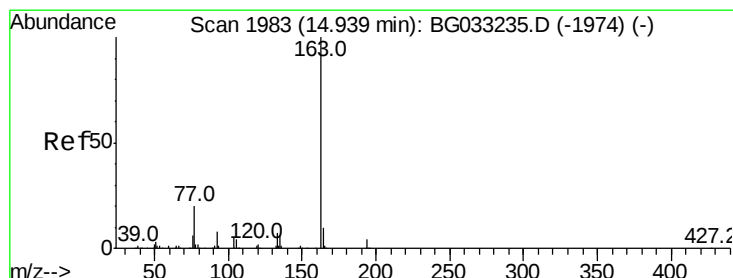
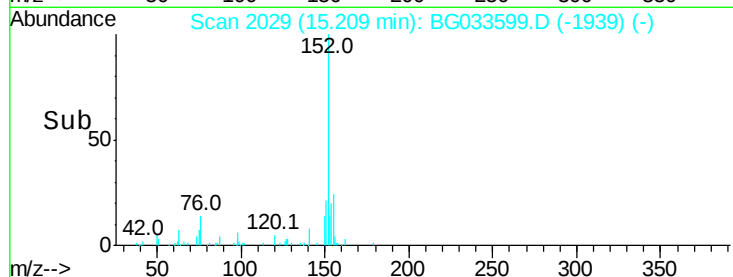
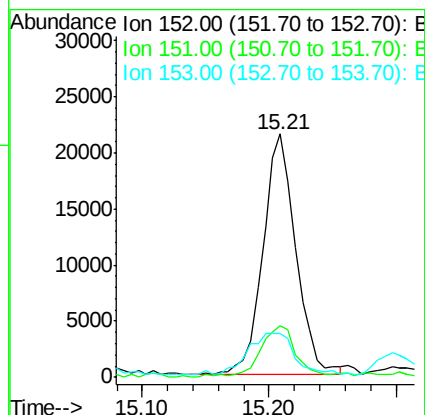
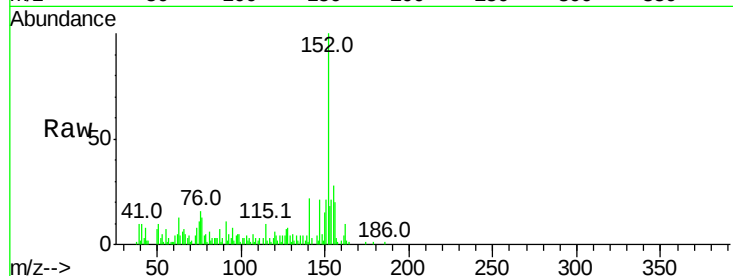
Acq: 5 Apr 2018 19:11

Instrument :

BNA_G

ClientSampled :

Tot Ion:	152	Resp:	38813
Ion	Ratio	Lower	Upper
152	100		
151	21.2	17.2	25.8
153	17.9	10.2	15.4#



#49

Dimethylphthalate

Concen: 2.311 ng

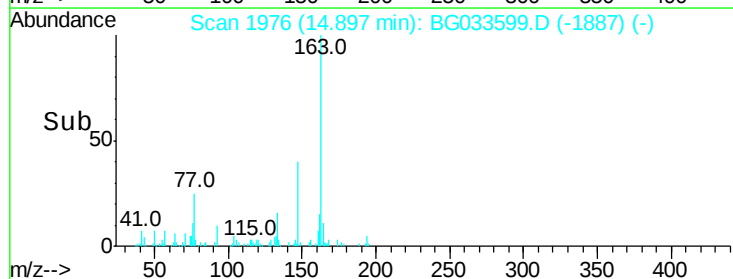
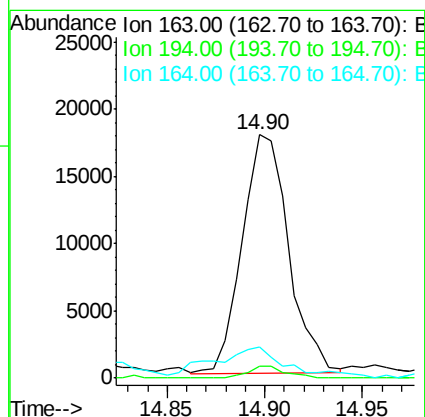
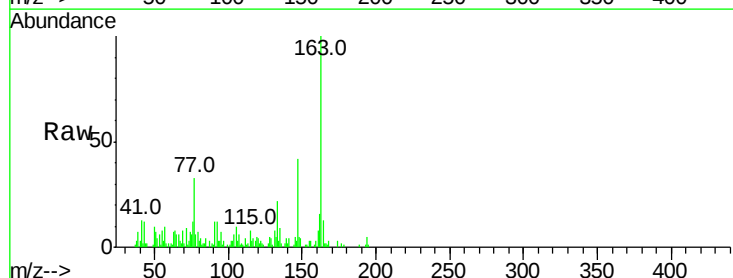
RT: 14.90 min Scan# 1976

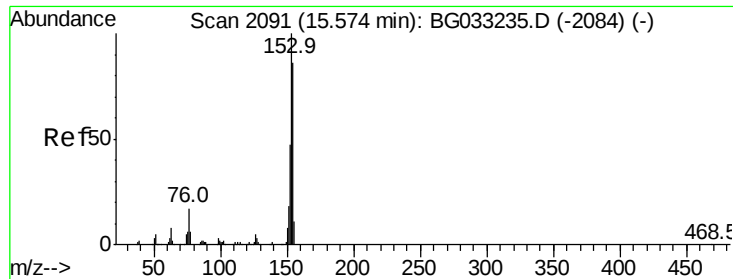
Delta R.T. -0.01 min

Lab File: BG033599.D

Acq: 5 Apr 2018 19:11

Tgt Ion:	163	Resp:	29367
Ion	Ratio	Lower	Upper
163	100		
194	4.8	3.4	5.2
164	12.9	8.2	12.4#





#51

Acenaphthene

Concen: 21.588 ng

RT: 15.54 min Scan# 2086

Delta R.T. -0.00 min

Lab File: BG033599.D

Acq: 5 Apr 2018 19:11

Instrument :

BNA_G

ClientSampleId :

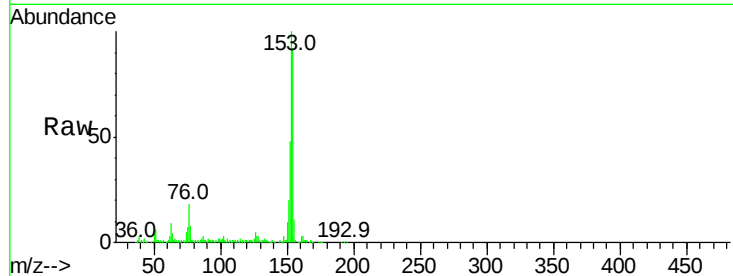
Tot Ion:154 Resp: 200963

Ion Ratio Lower Upper

154 100

153 109.3 90.4 135.6

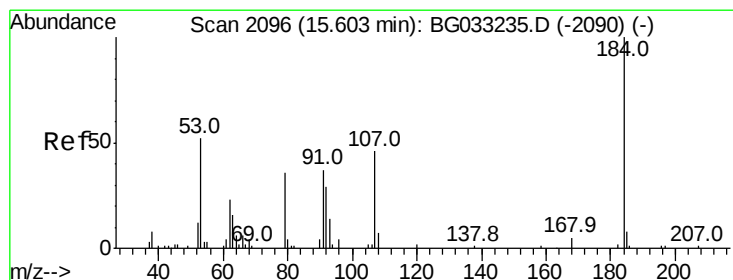
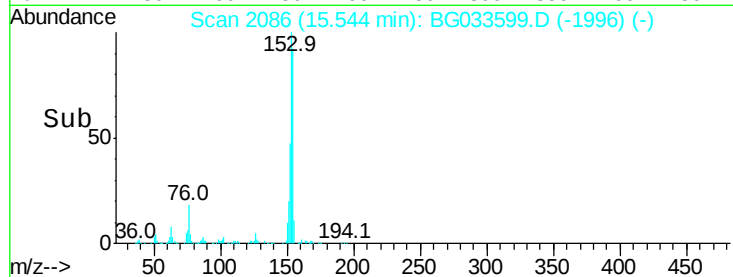
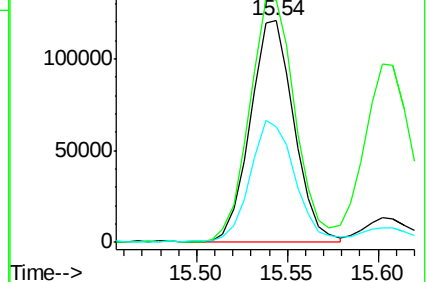
152 52.2 41.6 62.4



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



#53

2,4-Dinitrophenol

Concen: 7.787 ng

RT: 15.56 min Scan# 2088

Delta R.T. -0.02 min

Lab File: BG033599.D

Acq: 5 Apr 2018 19:11

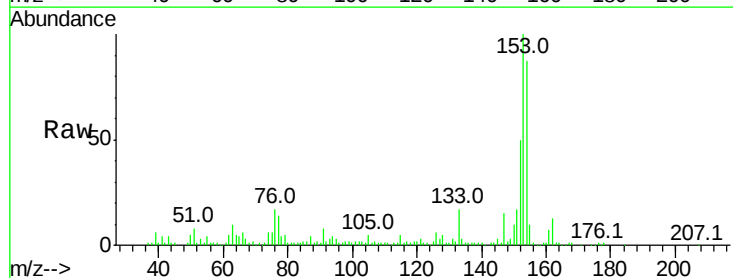
Tgt Ion:184 Resp: 215

Ion Ratio Lower Upper

184 100

63 2497.8 59.8 89.8#

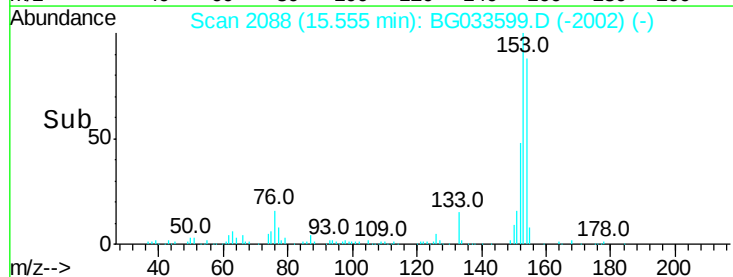
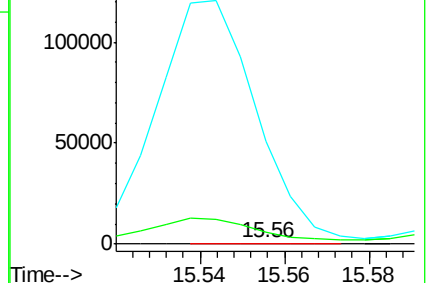
154 22129.9 101.8 152.8#

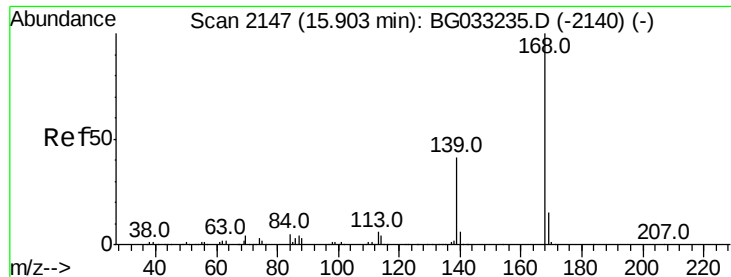


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BG0

Ion 154.00 (153.70 to 154.70): E

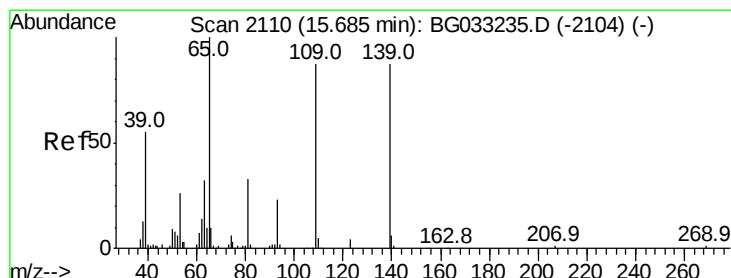
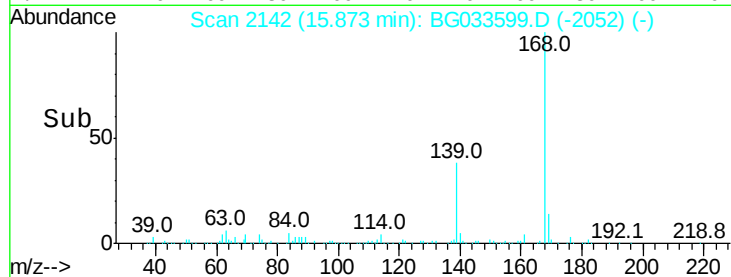
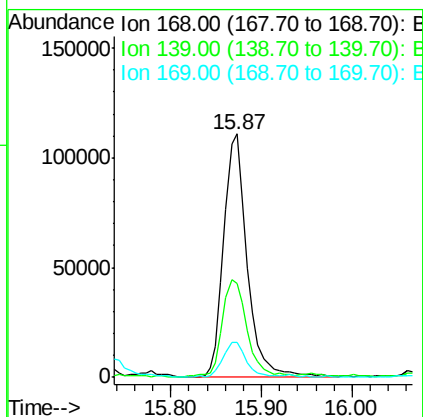
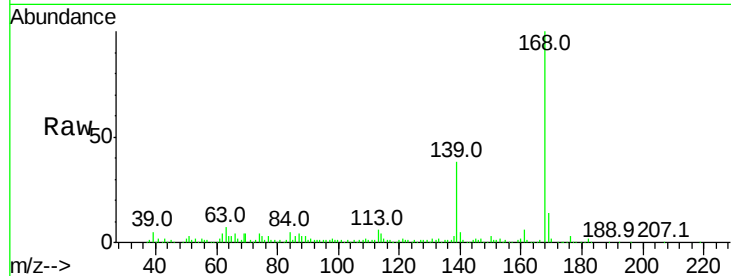




#54
Dibenzofuran
Concen: 14.419 ng
RT: 15.87 min Scan# 2142
Delta R.T. -0.00 min
Lab File: BG033599.D
Acq: 5 Apr 2018 19:11

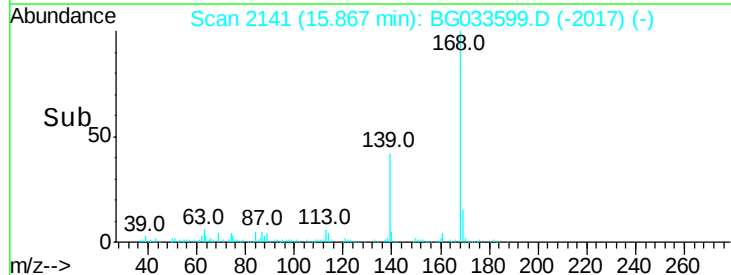
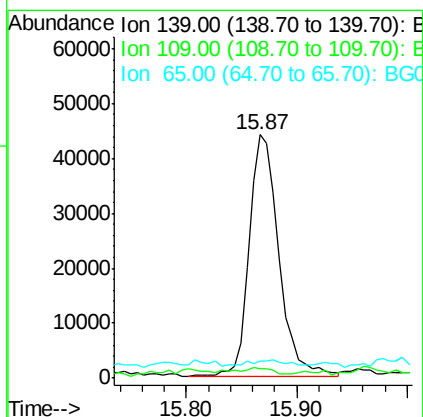
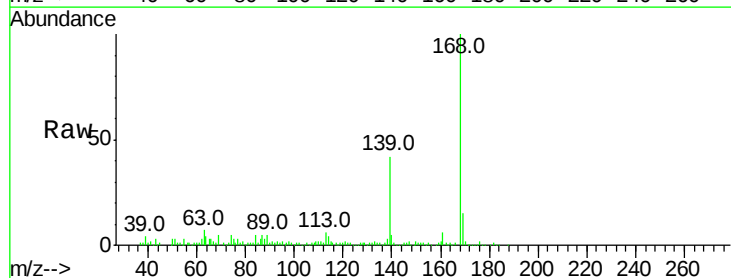
Instrument :
BNA_G
ClientSampled :

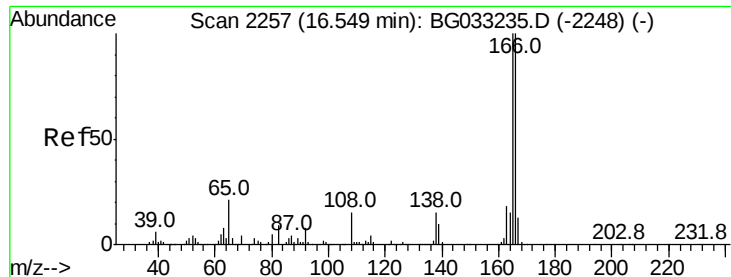
Tot Ion:168 Resp: 198273
Ion Ratio Lower Upper
168 100
139 38.5 28.6 43.0
169 14.5 11.2 16.8



#55
4-Nitrophenol
Concen: 42.982 ng
RT: 15.87 min Scan# 2141
Delta R.T. 0.20 min
Lab File: BG033599.D
Acq: 5 Apr 2018 19:11

Tgt Ion:139 Resp: 82347
Ion Ratio Lower Upper
139 100
109 4.0 62.2 102.2#
65 6.9 97.2 137.2#

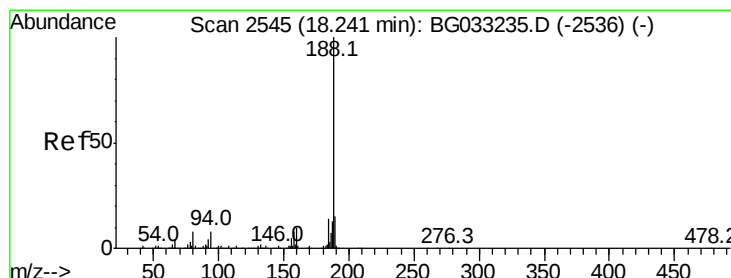
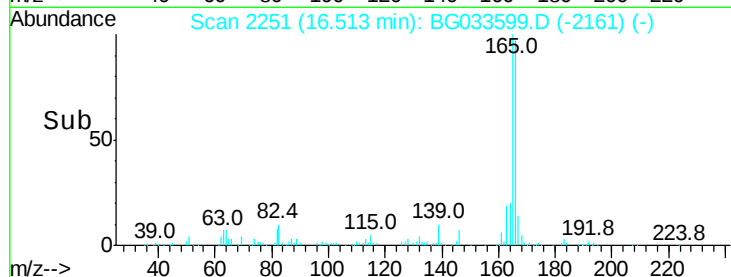
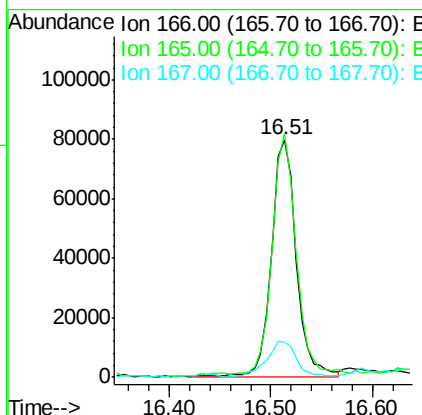
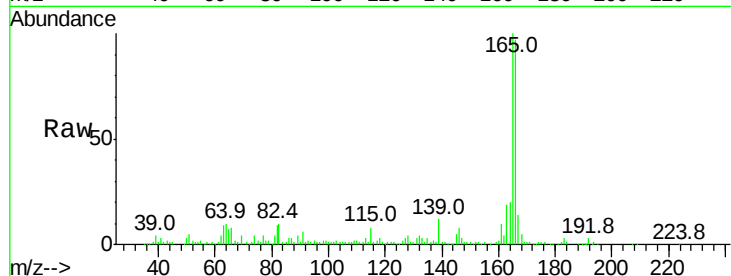




#57
 Fluorene
 Concen: 11.541 ng
 RT: 16.51 min Scan# 2251
 Delta R.T. -0.00 min
 Lab File: BG033599.D
 Acq: 5 Apr 2018 19:11

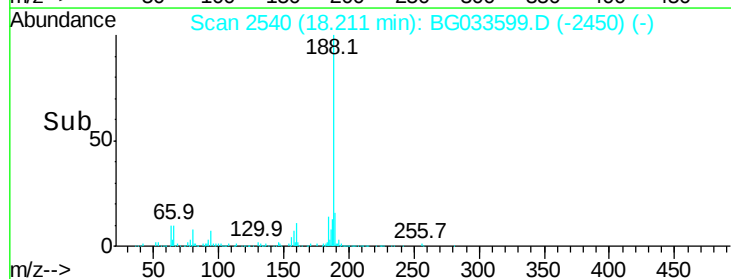
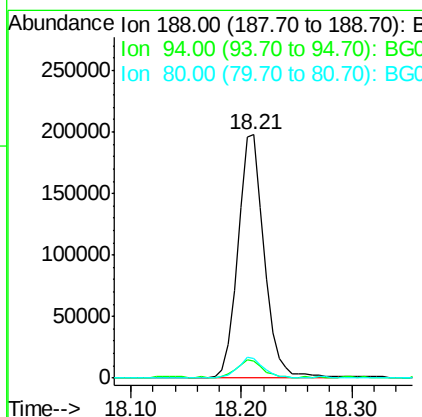
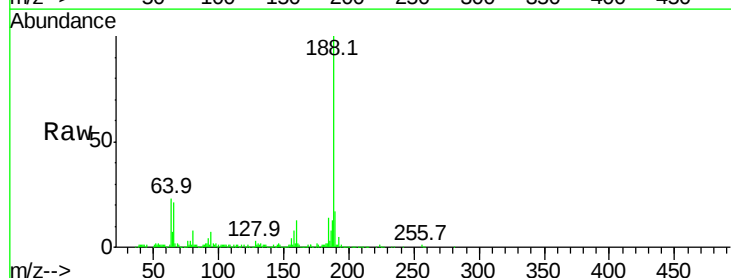
Instrument :
 BNA_G
 ClientSampleId :

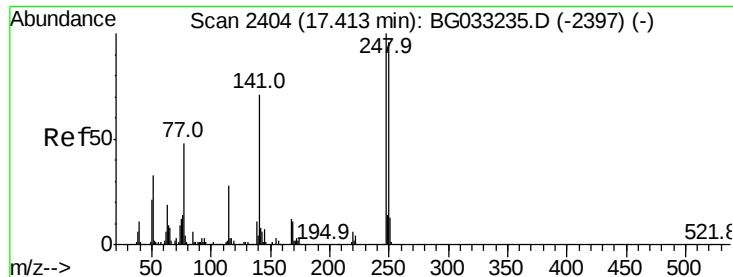
Tot Ion:166 Resp: 135199
 Ion Ratio Lower Upper
 166 100
 165 102.6 80.6 121.0
 167 14.5 10.4 15.6



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.21 min Scan# 2540
 Delta R.T. -0.00 min
 Lab File: BG033599.D
 Acq: 5 Apr 2018 19:11

Tgt Ion:188 Resp: 331217
 Ion Ratio Lower Upper
 188 100
 94 7.0 6.9 10.3
 80 8.2 7.7 11.5

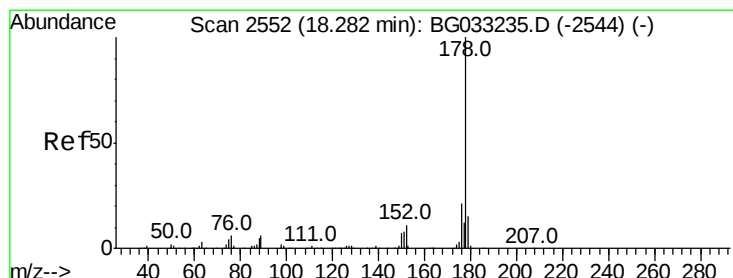
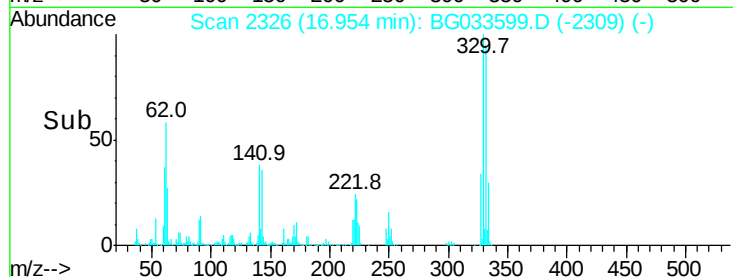
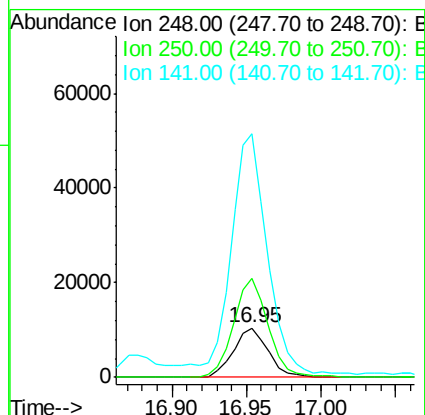
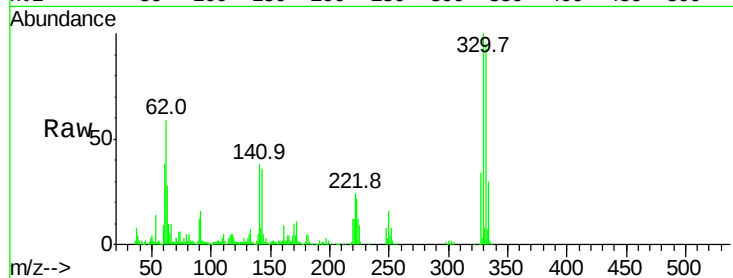




#66
4-Bromophenyl-phenylether
Concen: 4.392 ng
RT: 16.95 min Scan# 2326
Delta R.T. -0.43 min
Lab File: BG033599.D
Acq: 5 Apr 2018 19:11

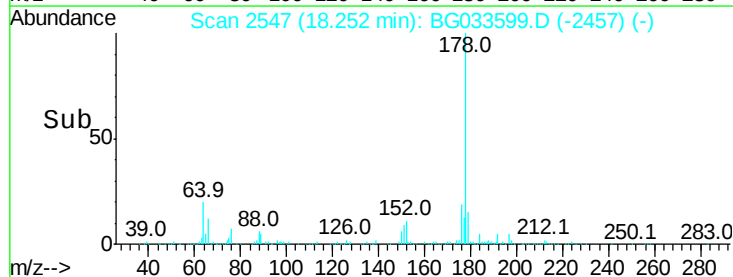
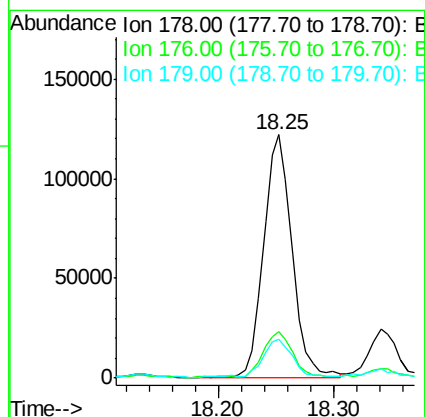
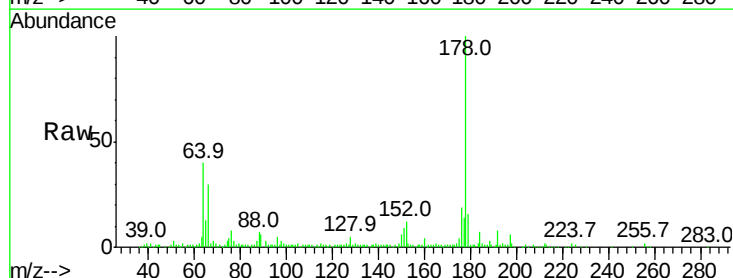
Instrument :
BNA_G
ClientSampleId :

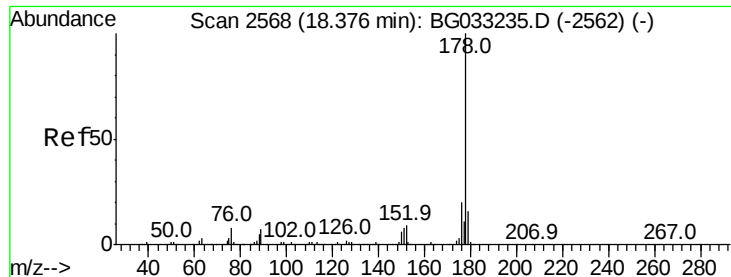
Tot Ion:248 Resp: 17084
Ion Ratio Lower Upper
248 100
250 199.7 77.1 115.7#
141 490.7 50.8 76.2#



#70
Phenanthrene
Concen: 12.185 ng
RT: 18.25 min Scan# 2547
Delta R.T. -0.00 min
Lab File: BG033599.D
Acq: 5 Apr 2018 19:11

Tgt Ion:178 Resp: 210186
Ion Ratio Lower Upper
178 100
176 19.2 15.7 23.5
179 15.7 12.5 18.7





#71

Anthracene

Concen: 12.034 ng

RT: 18.25 min Scan# 2547

Delta R.T. -0.09 min

Lab File: BG033599.D

Acq: 5 Apr 2018 19:11

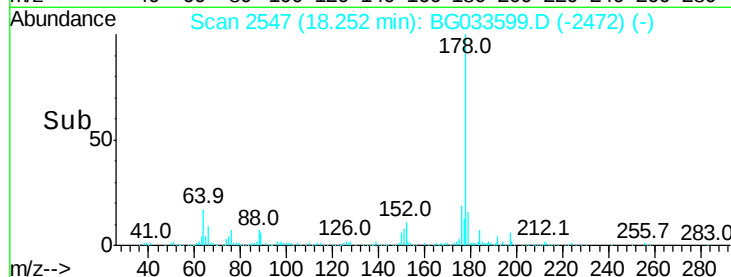
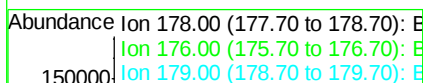
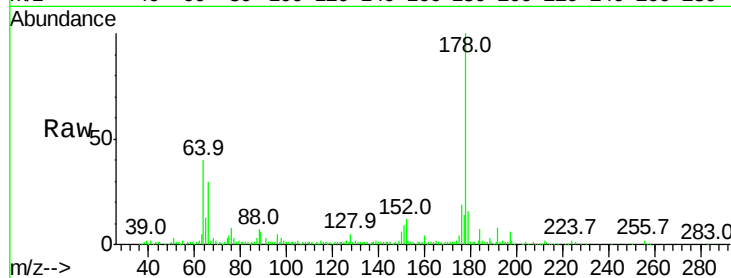
Instrument :

BNA_G

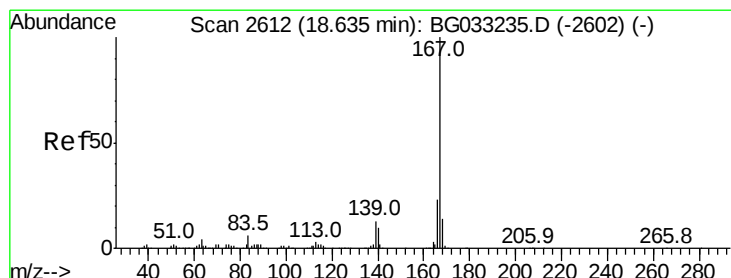
ClientSampleId :

Tot Ion:178 Resp: 210186

Ion	Ratio	Lower	Upper
178	100		
176	19.2	16.0	24.0
179	15.7	12.5	18.7



Time-->



#72

Carbazole

Concen: 20.986 ng

RT: 18.60 min Scan# 2607

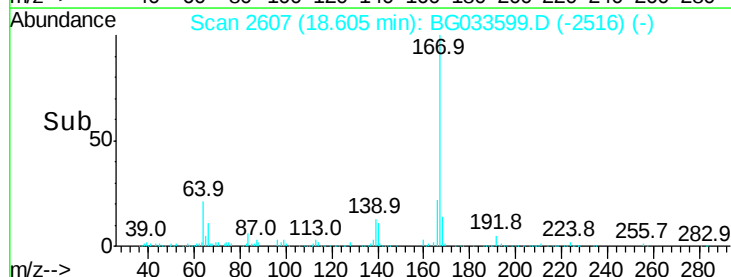
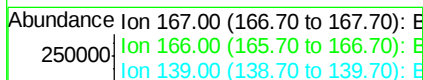
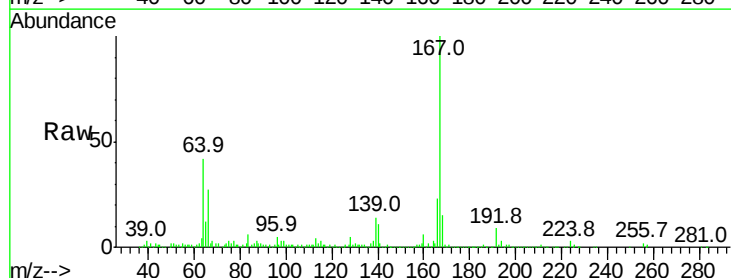
Delta R.T. 0.01 min

Lab File: BG033599.D

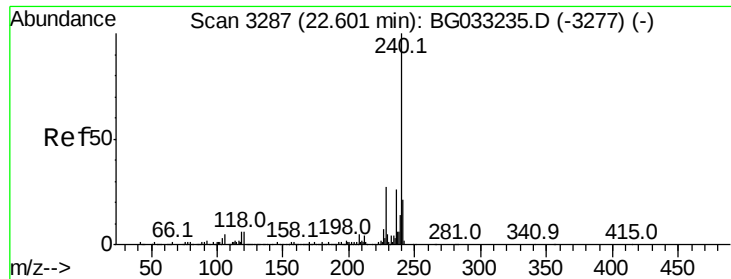
Acq: 5 Apr 2018 19:11

Tgt Ion:167 Resp: 324804

Ion	Ratio	Lower	Upper
167	100		
166	22.8	18.2	27.4
139	14.1	9.4	14.2



Time-->



#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.55 min Scan# 3279

Delta R.T. -0.01 min

Lab File: BG033599.D

Acq: 5 Apr 2018 19:11

Instrument :

BNA_G

ClientSampleId :

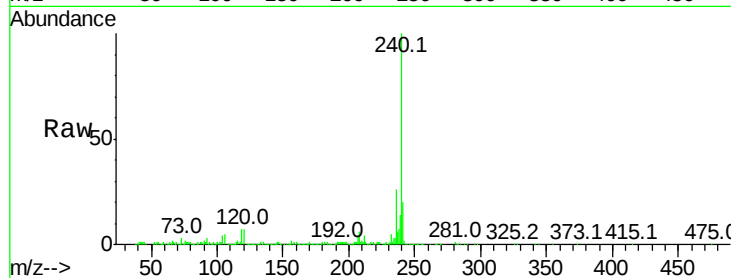
Tot Ion:240 Resp: 328328

Ion Ratio Lower Upper

240 100

120 7.1 6.8 10.2

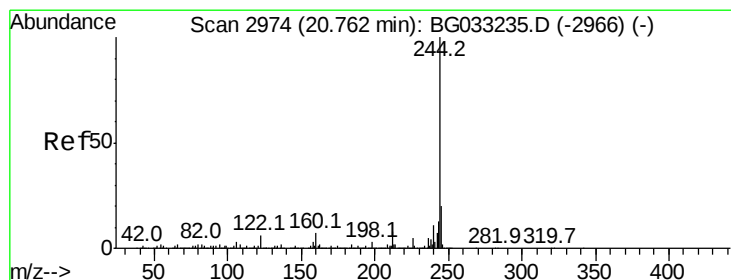
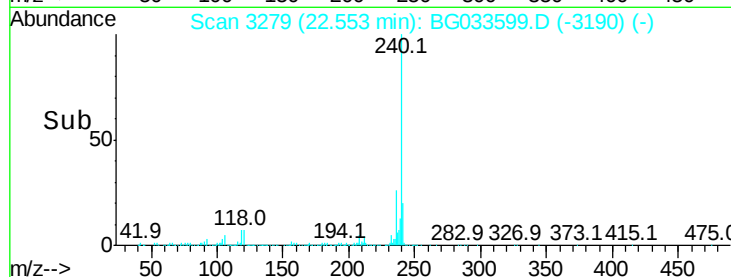
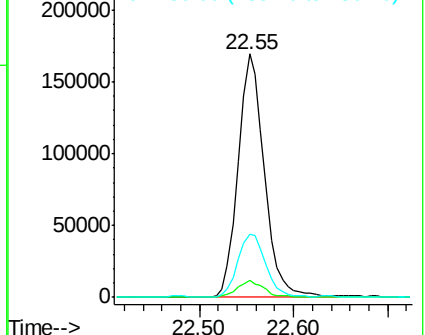
236 26.1 20.9 31.3



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



#78

Terphenyl-d14

Concen: 60.978 ng

RT: 20.73 min Scan# 2969

Delta R.T. 0.01 min

Lab File: BG033599.D

Acq: 5 Apr 2018 19:11

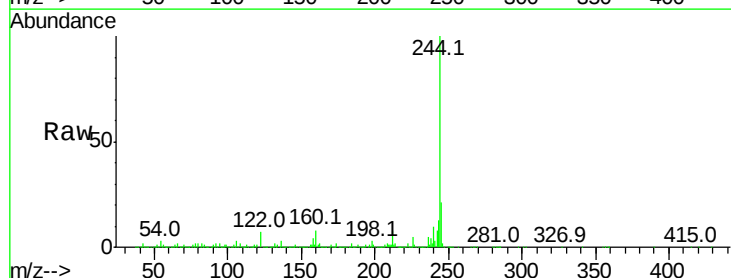
Tgt Ion:244 Resp: 936165

Ion Ratio Lower Upper

244 100

212 8.1 5.8 8.8

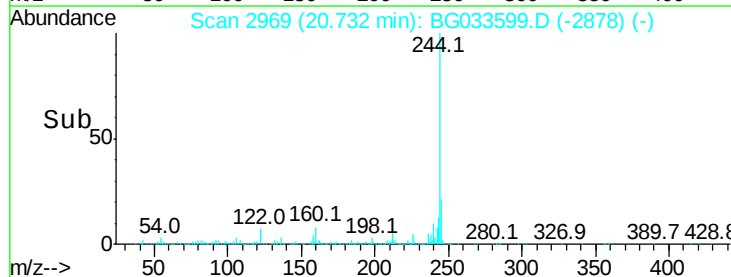
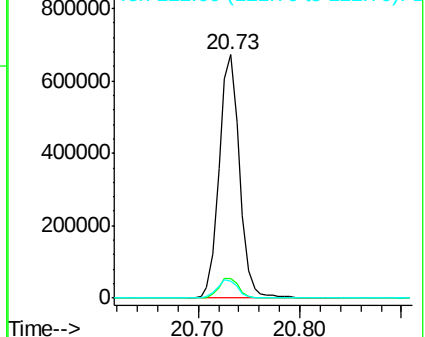
122 7.0 7.0 10.4

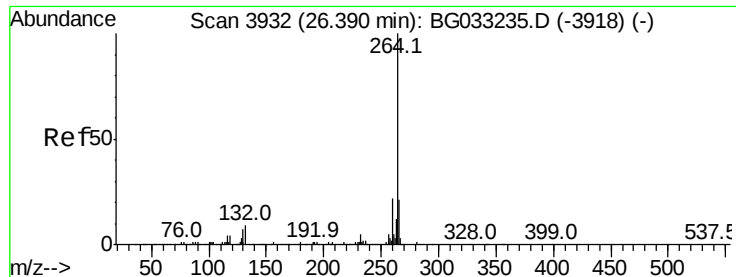


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

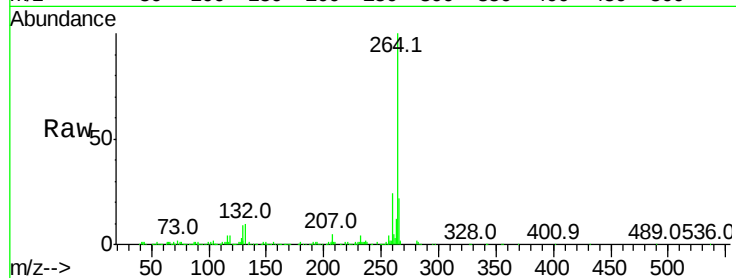




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 26.31 min Scan# 3919
 Delta R.T. -0.01 min
 Lab File: BG033599.D
 Acq: 5 Apr 2018 19:11

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	17.4	26.0
265	21.5	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

