

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG042016\
 Data File : BG021763.D
 Acq On : 19 Apr 2016 20:17
 Operator : UM/SJ
 Sample : H2503-08DL 2X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 POST-EX-23-20160412DL

Quant Time: Apr 20 03:25:37 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG041316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 13 15:48:13 2016
 Response via : Initial Calibration

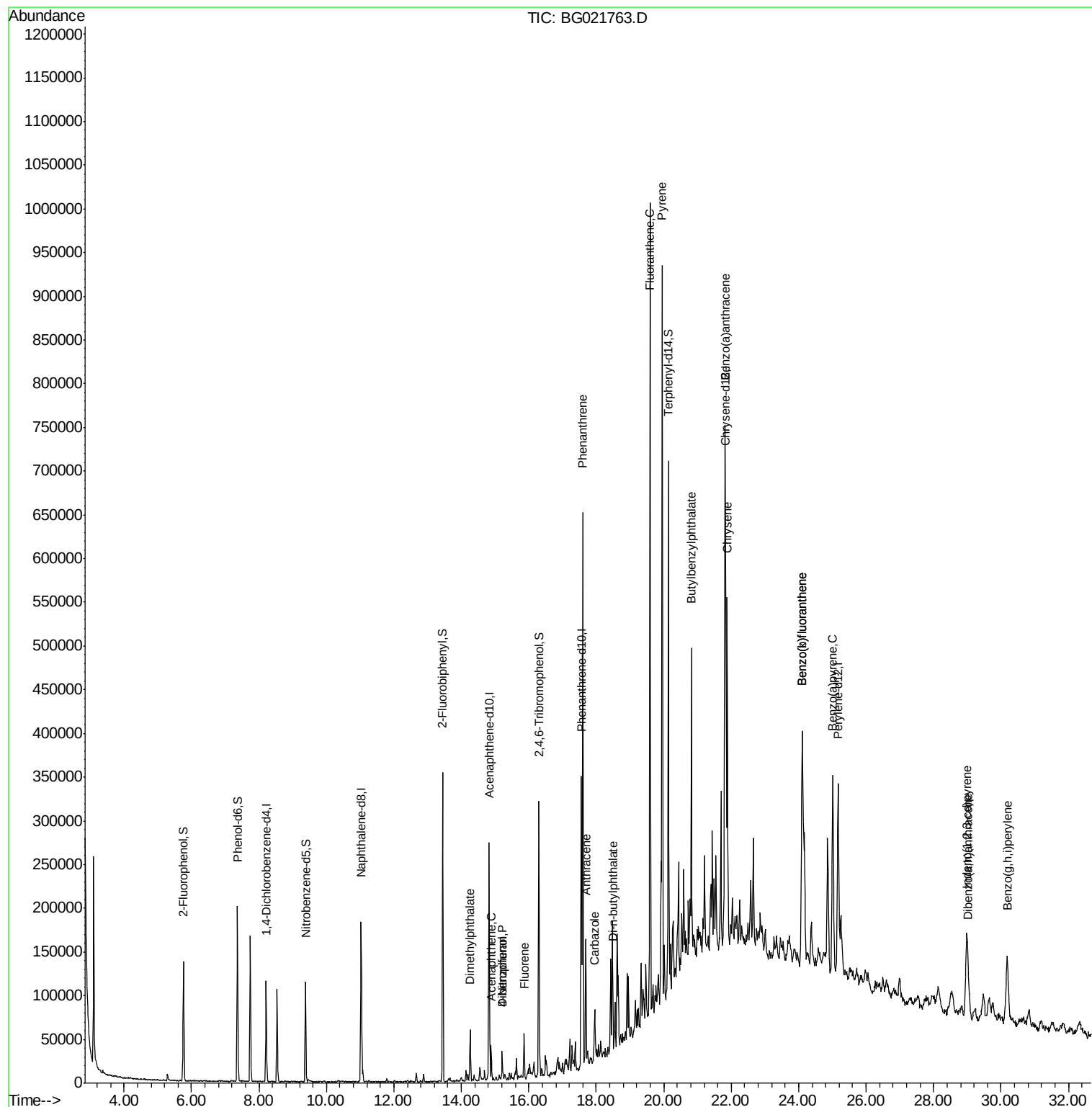
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.21	152	32812	20.00	ng	0.00
21) Naphthalene-d8	11.03	136	154753	20.00	ng	0.00
38) Acenaphthene-d10	14.82	164	95865	20.00	ng	0.00
63) Phenanthrene-d10	17.56	188	202928	20.00	ng	0.00
75) Chrysene-d12	21.83	240	224162	20.00	ng	0.00
86) Perylene-d12	25.17	264	220315	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.76	112	63047	32.00	ng	0.00
7) Phenol-d6	7.36	99	122161	41.51	ng	0.00
23) Nitrobenzene-d5	9.38	82	70435	23.39	ng	0.00
41) 2,4,6-Tribromophenol	16.30	330	53142	51.44	ng	0.00
44) 2-Fluorobiphenyl	13.45	172	189993	29.04	ng	0.00
78) Terphenyl-d14	20.14	244	258352	28.76	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	14.26	163	38740	4.67	ng	98
51) Acenaphthene	14.88	154	14555	2.31	ng	98
54) Dibenzofuran	15.21	168	17854	2.07	ng	94
55) 4-Nitrophenol	15.21	139	7259	4.84	ng	# 5
57) Fluorene	15.86	166	23332	3.03	ng	97
70) Phenanthrene	17.60	178	399341	35.71	ng	98
71) Anthracene	17.69	178	95195	8.38	ng	99
72) Carbazole	17.96	167	38294	3.61	ng	98
73) Di-n-butylphthalate	18.50	149	30657	2.27	ng	98
74) Fluoranthene	19.60	202	588900	44.10	ng	99
77) Pyrene	19.95	202	530794	41.07	ng	99
79) Butylbenzylphthalate	20.82	149	114330	19.06	ng	96
80) Benzo(a)anthracene	21.81	228	309774	24.01	ng	96
82) Chrysene	21.88	228	271870	21.94	ng	97
85) Indeno(1,2,3-cd)pyrene	28.99	276	167760	11.39	ng	95
87) Benzo(b)fluoranthene	24.11	252	336203	26.30	ng	97
88) Benzo(k)fluoranthene	24.11	252	336203	26.90	ng	98
89) Benzo(a)pyrene	25.01	252	252487	20.38	ng	96
90) Dibenzo(a,h)anthracene	29.03	278	42163	3.40	ng	# 90
91) Benzo(g,h,i)perylene	30.18	276	157206	12.90	ng	97

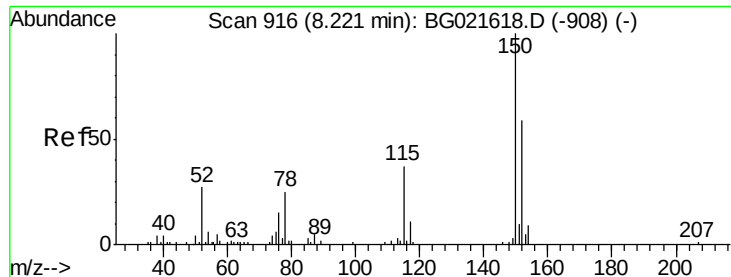
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.21 min Scan# 915

Delta R.T. -0.01 min

Lab File: BG021763.D

Acq: 19 Apr 2016 20:17

Instrument :

BNA_G

ClientSampleId :

POST-EX-23-20160412DL

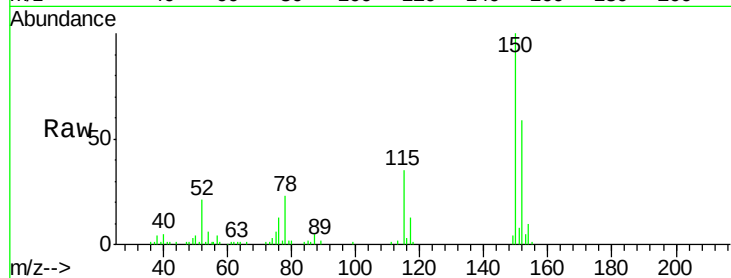
Tgt Ion:152 Resp: 32812

Ion Ratio Lower Upper

152 100

150 169.7 130.1 195.1

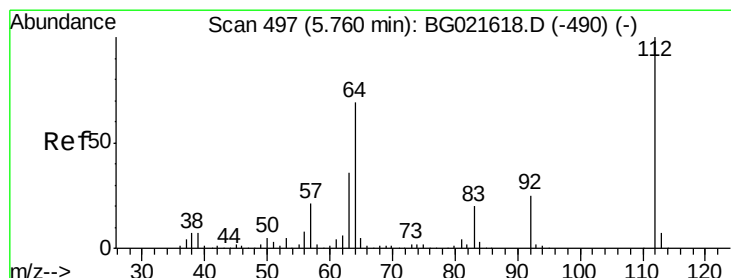
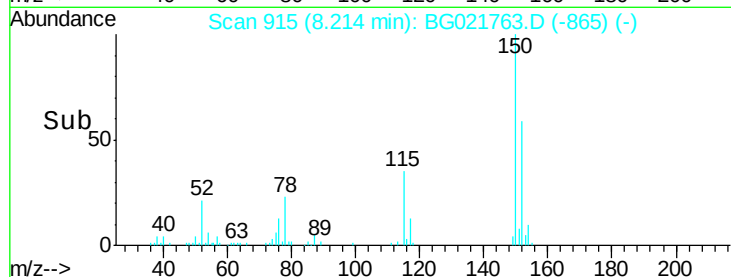
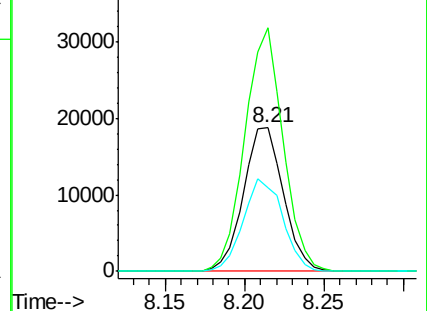
115 58.6 62.2 93.2#



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: 32.00 ng

RT: 5.76 min Scan# 497

Delta R.T. -0.00 min

Lab File: BG021763.D

Acq: 19 Apr 2016 20:17

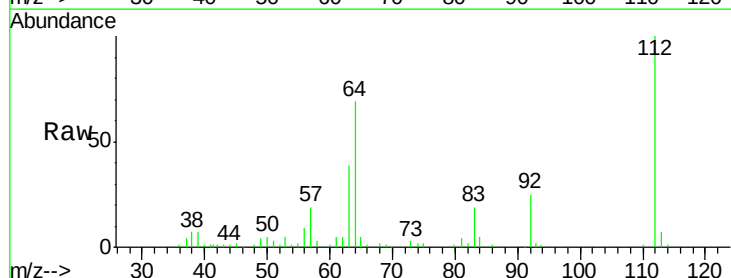
Tgt Ion:112 Resp: 63047

Ion Ratio Lower Upper

112 100

64 68.5 51.1 76.7

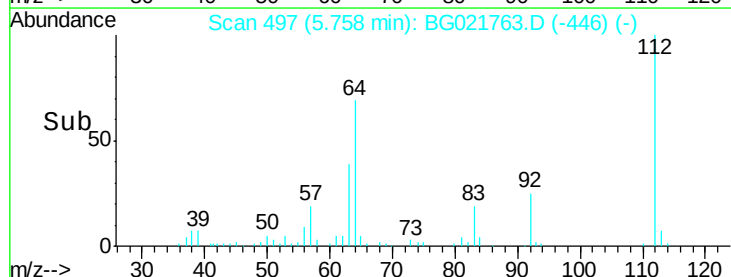
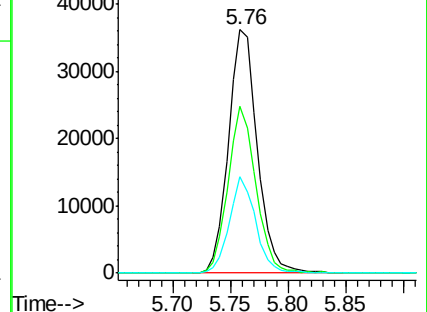
63 39.4 24.6 37.0#

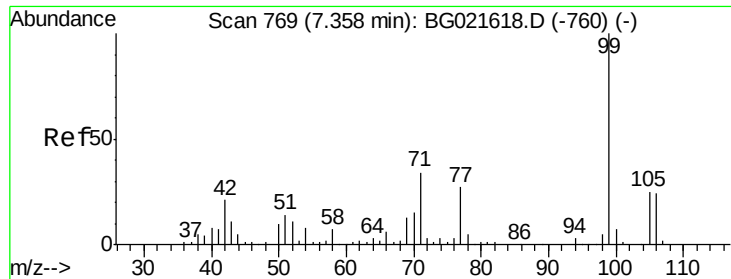


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 41.51 ng

RT: 7.36 min Scan# 770

Delta R.T. 0.00 min

Lab File: BG021763.D

Acq: 19 Apr 2016 20:17

Instrument :

BNA_G

ClientSampleId :

POST-EX-23-20160412DL

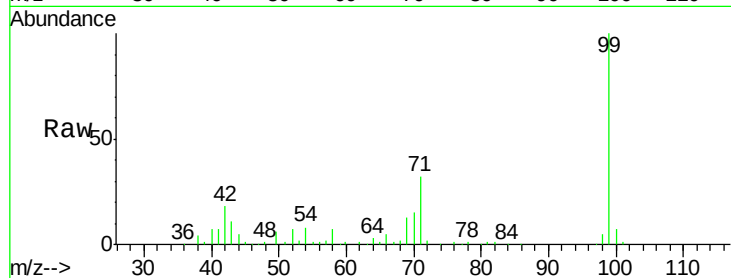
Tgt Ion: 99 Resp: 122161

Ion Ratio Lower Upper

99 100

42 17.6 16.4 24.6

71 32.4 25.0 37.4

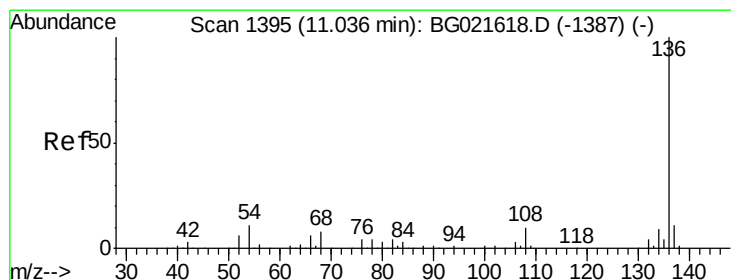
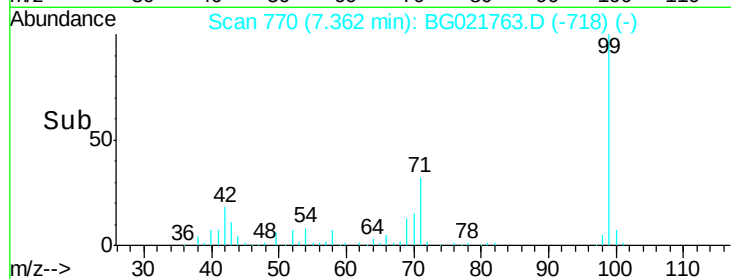
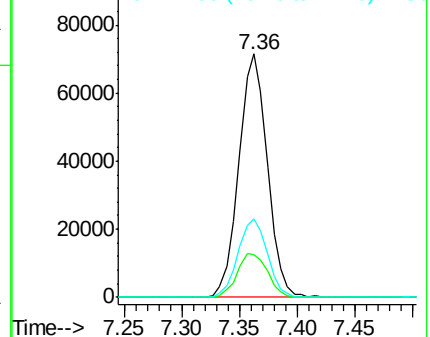


Abundance

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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 11.03 min Scan# 1394

Delta R.T. -0.01 min

Lab File: BG021763.D

Acq: 19 Apr 2016 20:17

Tgt Ion: 136 Resp: 154753

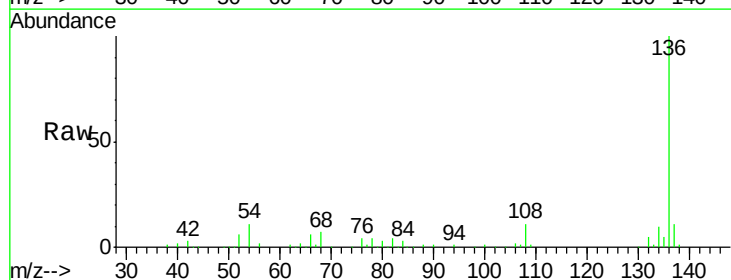
Ion Ratio Lower Upper

136 100

137 10.9 9.0 13.4

54 11.3 9.6 14.4

68 6.9 6.4 9.6



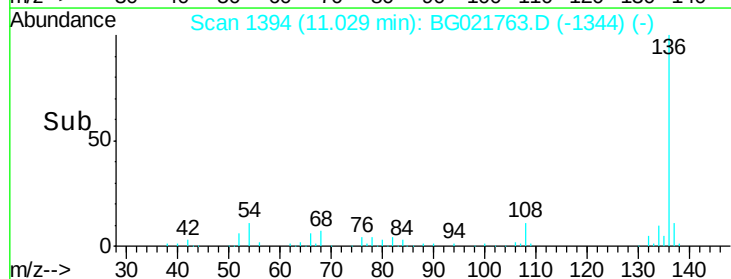
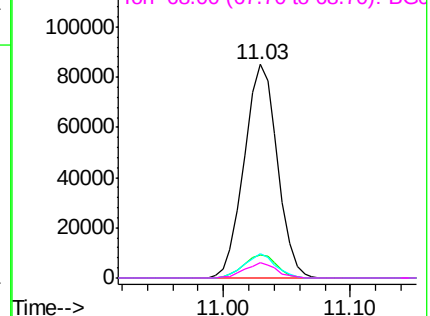
Abundance

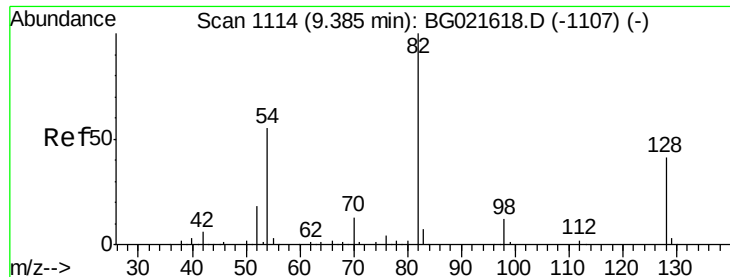
Ion 136.00 (135.70 to 136.70): BGC

Ion 137.00 (136.70 to 137.70): BGC

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC

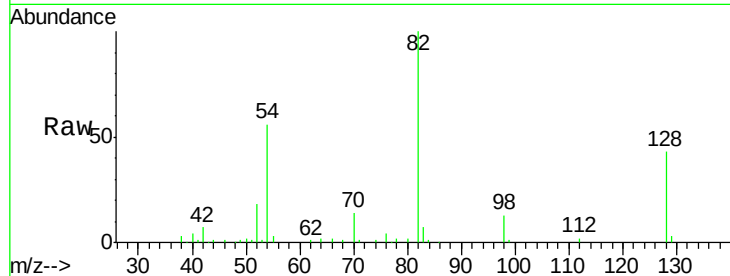




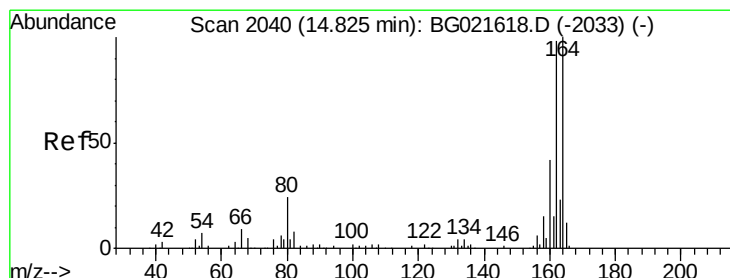
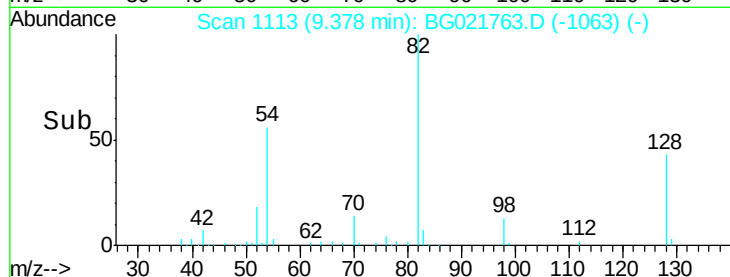
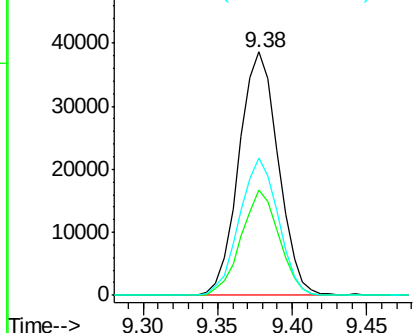
#23
 Nitrobenzene-d5
 Concen: 23.39 ng
 RT: 9.38 min Scan# 1113
 Delta R.T. -0.01 min
 Lab File: BG021763.D
 Acq: 19 Apr 2016 20:17

Instrument :
 BNA_G
 ClientSampleId :
 POST-EX-23-20160412DL

Tgt Ion	Ratio	Lower	Upper
82	100		
128	43.5	33.4	50.0
54	56.3	46.1	69.1

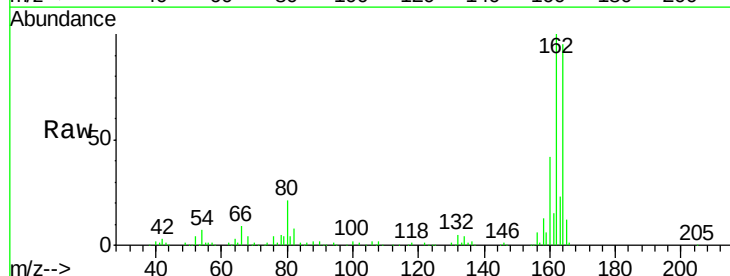


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

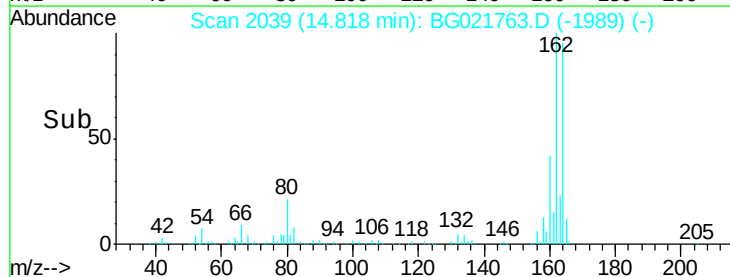
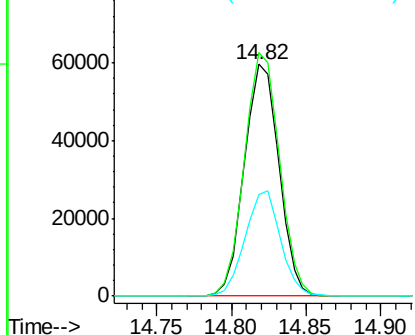


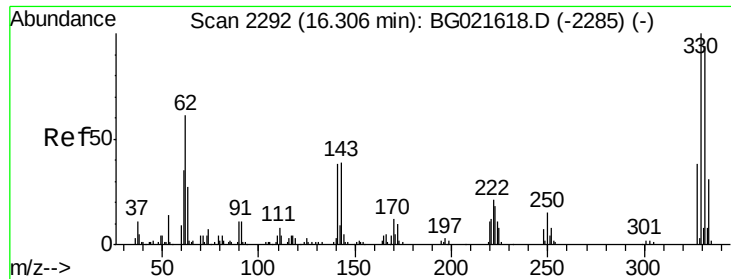
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.82 min Scan# 2039
 Delta R.T. -0.01 min
 Lab File: BG021763.D
 Acq: 19 Apr 2016 20:17

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.0	78.0	117.0
160	43.6	32.9	49.3



Abundance Ion 164.00 (163.70 to 164.70): BGC
 Ion 162.00 (161.70 to 162.70): BGC
 Ion 160.00 (159.70 to 160.70): BGC

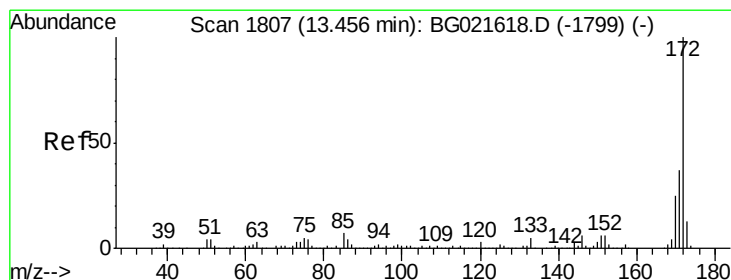
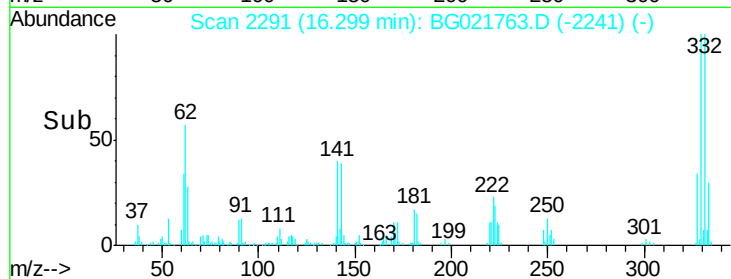
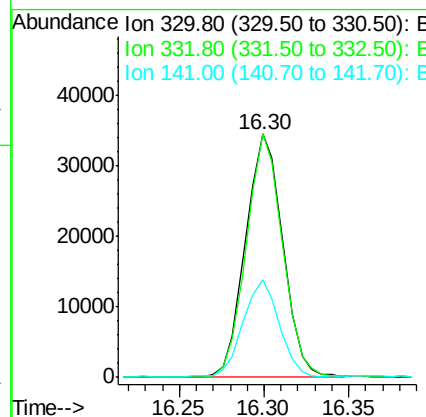
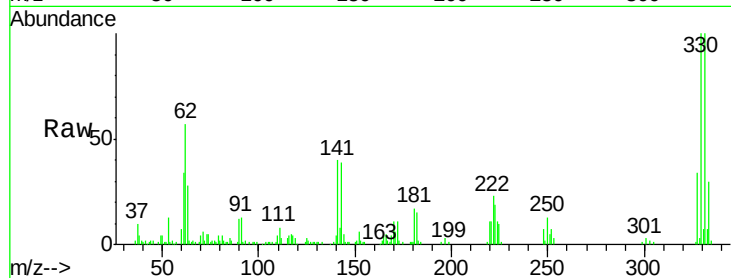




#41
 2,4,6-Tribromophenol
 Concen: 51.44 ng
 RT: 16.30 min Scan# 2291
 Delta R.T. -0.01 min
 Lab File: BG021763.D
 Acq: 19 Apr 2016 20:17

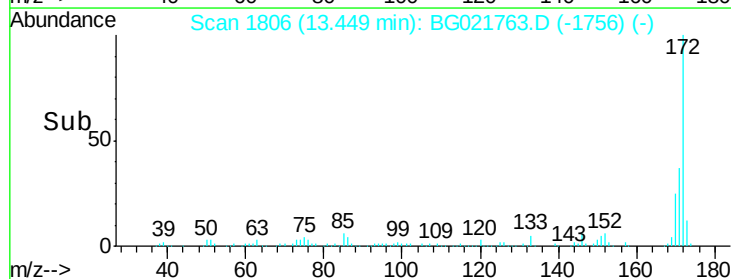
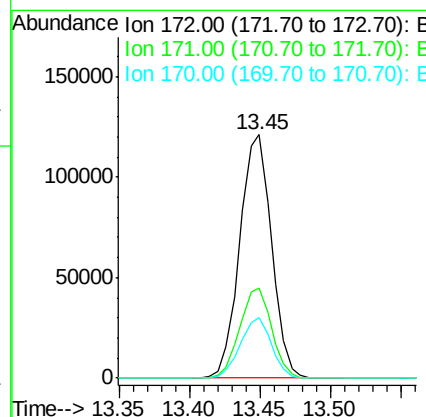
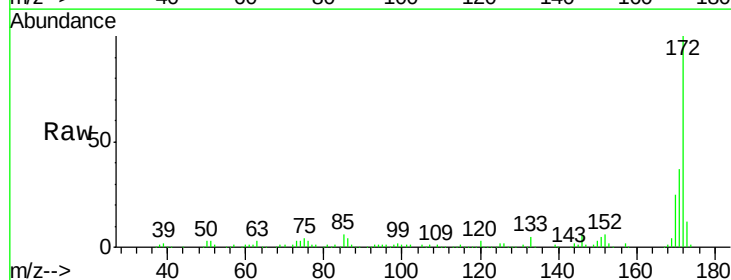
Instrument :
 BNA_G
 ClientSampleId :
 POST-EX-23-20160412DL

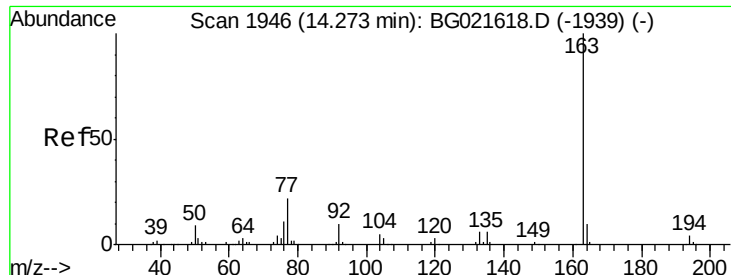
Tgt Ion:330 Resp: 53142
 Ion Ratio Lower Upper
 330 100
 332 97.4 78.0 117.0
 141 39.3 33.8 50.8



#44
 2-Fluorobiphenyl
 Concen: 29.04 ng
 RT: 13.45 min Scan# 1806
 Delta R.T. -0.01 min
 Lab File: BG021763.D
 Acq: 19 Apr 2016 20:17

Tgt Ion:172 Resp: 189993
 Ion Ratio Lower Upper
 172 100
 171 37.2 27.8 41.6
 170 25.0 19.6 29.4

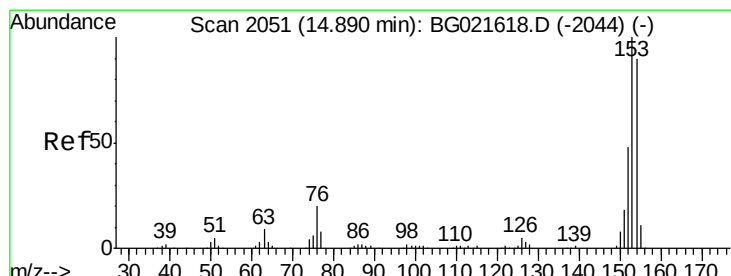
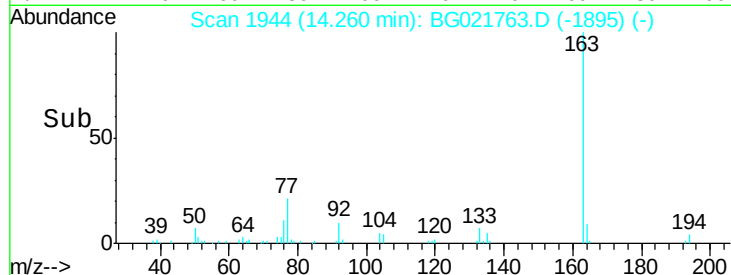
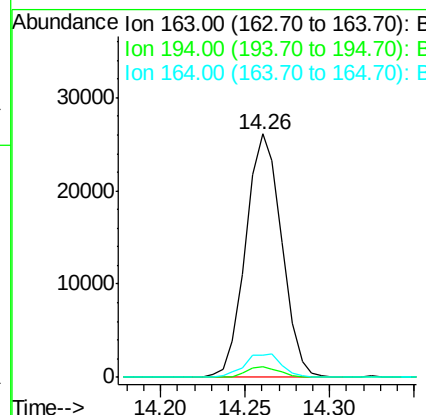
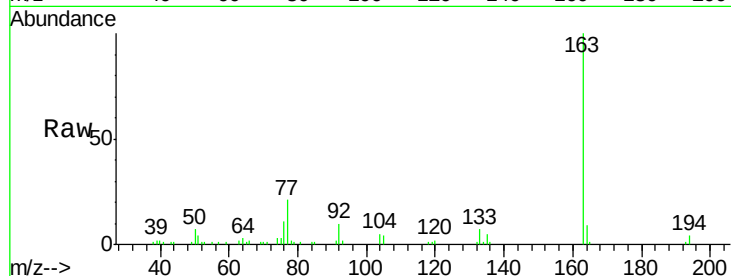




#49
Dimethylphthalate
Concen: 4.67 ng
RT: 14.26 min Scan# 1944
Delta R.T. -0.01 min
Lab File: BG021763.D
Acq: 19 Apr 2016 20:17

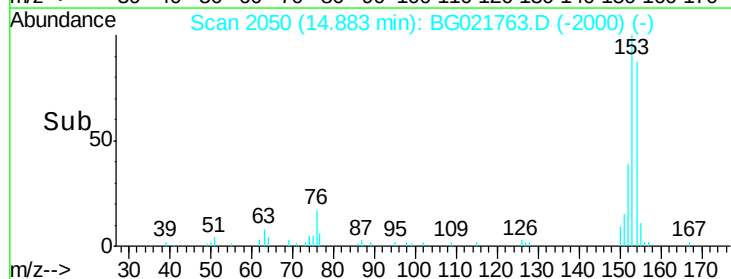
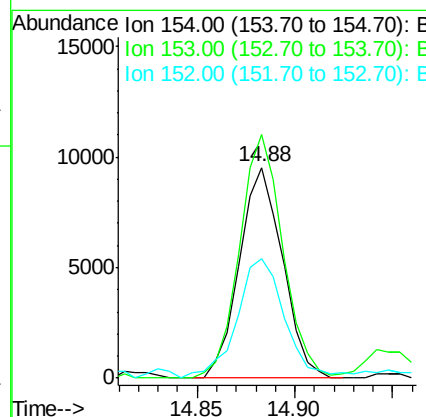
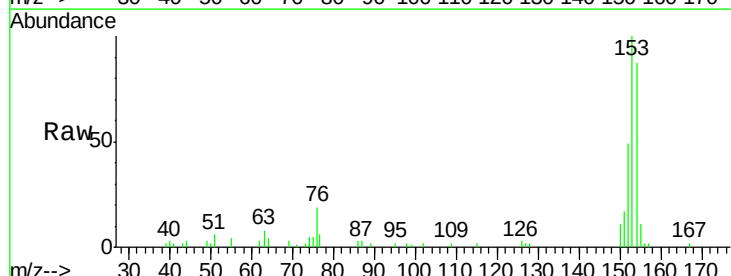
Instrument :
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ClientSampleId :
POST-EX-23-20160412DL

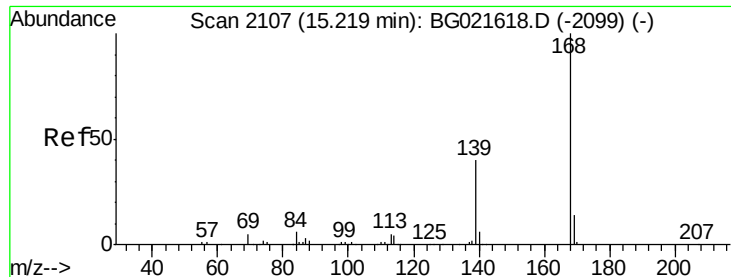
Tgt Ion:163 Resp: 38740
Ion Ratio Lower Upper
163 100
194 4.5 3.0 4.6
164 9.2 8.1 12.1



#51
Acenaphthene
Concen: 2.31 ng
RT: 14.88 min Scan# 2050
Delta R.T. -0.01 min
Lab File: BG021763.D
Acq: 19 Apr 2016 20:17

Tgt Ion:154 Resp: 14555
Ion Ratio Lower Upper
154 100
153 115.4 91.9 137.9
152 56.8 42.0 63.0





#54

Dibenzenofuran

Concen: 2.07 ng

RT: 15.21 min Scan# 2106

Delta R.T. -0.01 min

Lab File: BG021763.D

Acq: 19 Apr 2016 20:17

Instrument :

BNA_G

ClientSampleId :

POST-EX-23-20160412DL

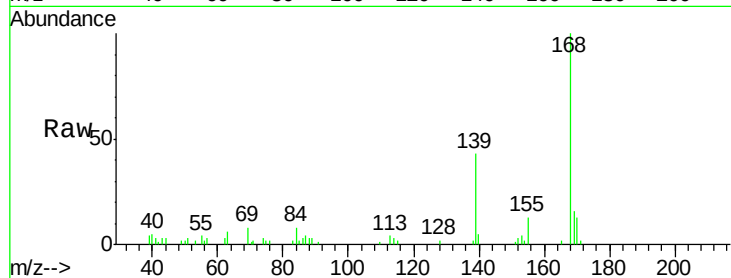
Tgt Ion:168 Resp: 17854

Ion Ratio Lower Upper

168 100

139 42.5 31.1 46.7

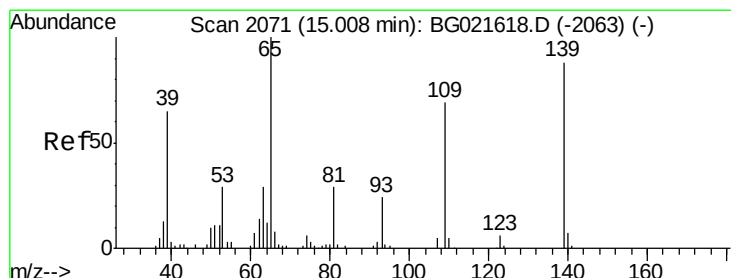
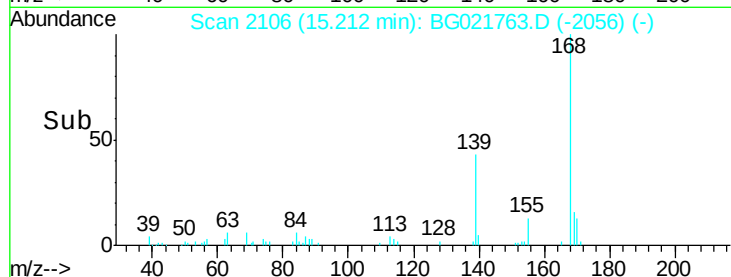
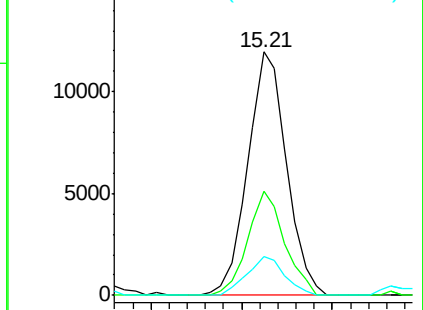
169 16.0 11.0 16.6



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: 4.84 ng

RT: 15.21 min Scan# 2106

Delta R.T. 0.20 min

Lab File: BG021763.D

Acq: 19 Apr 2016 20:17

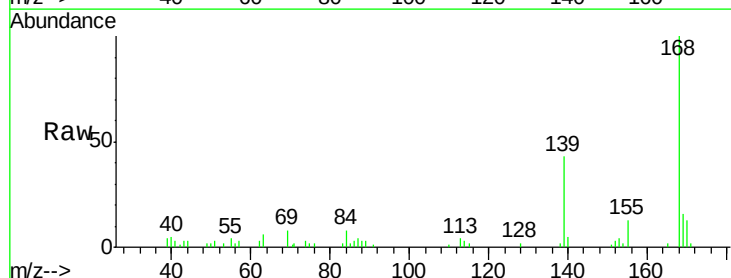
Tgt Ion:139 Resp: 7259

Ion Ratio Lower Upper

139 100

109 0.0 49.2 89.2#

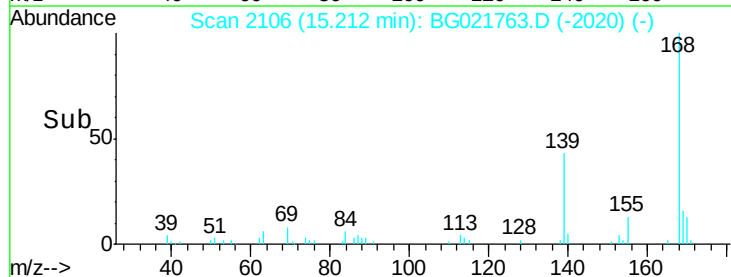
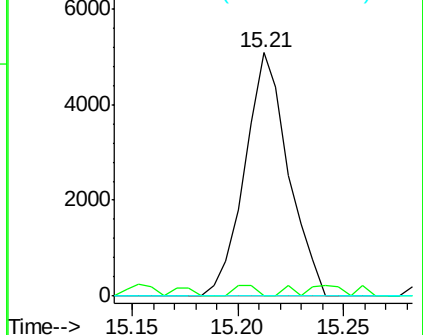
65 0.0 83.2 123.2#

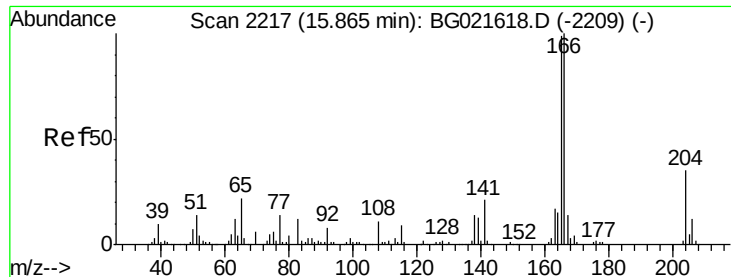


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BG

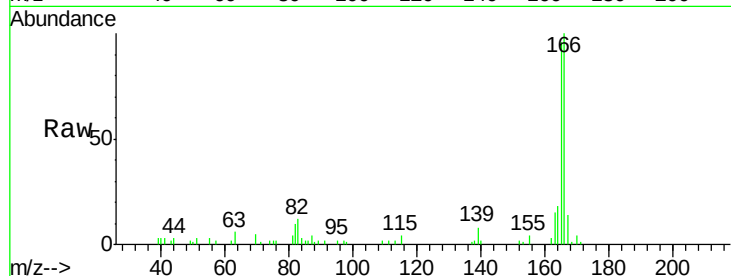




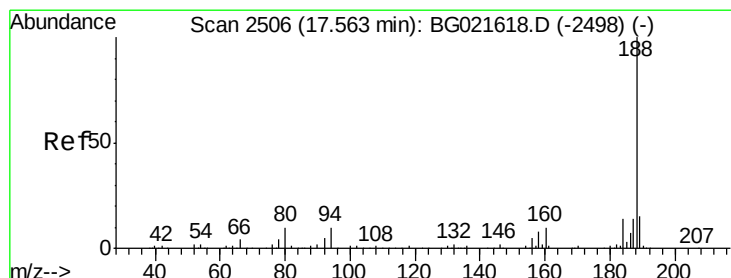
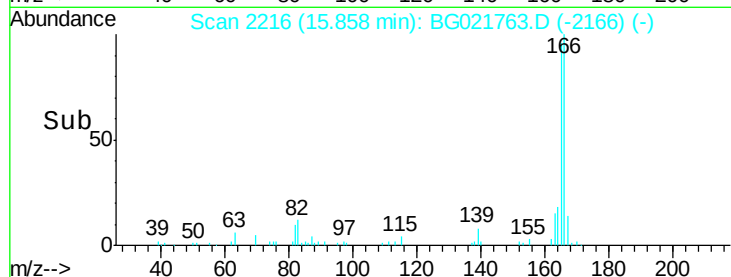
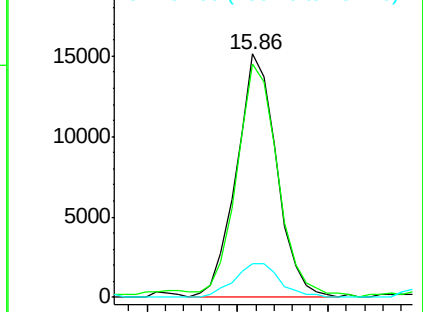
#57
Fluorene
 Concen: 3.03 ng
 RT: 15.86 min Scan# 2216
 Delta R.T. -0.01 min
 Lab File: BG021763.D
 Acq: 19 Apr 2016 20:17

Instrument :
 BNA_G
 ClientSampleId :
 POST-EX-23-20160412DL

Tgt Ion:166 Resp: 23332
 Ion Ratio Lower Upper
 166 100
 165 96.1 79.0 118.4
 167 14.1 10.7 16.1

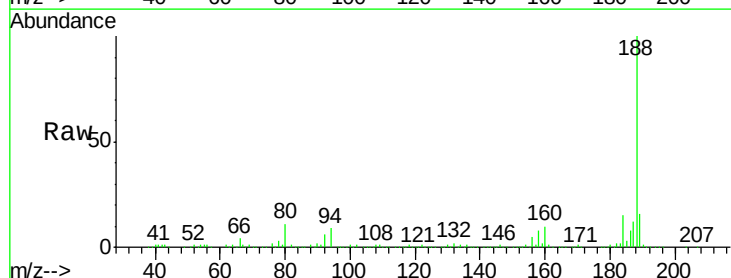


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

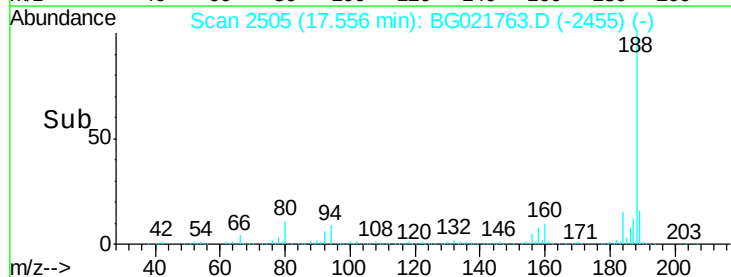
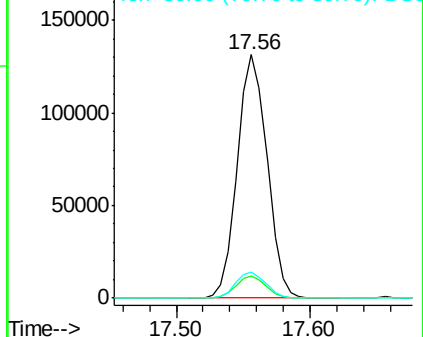


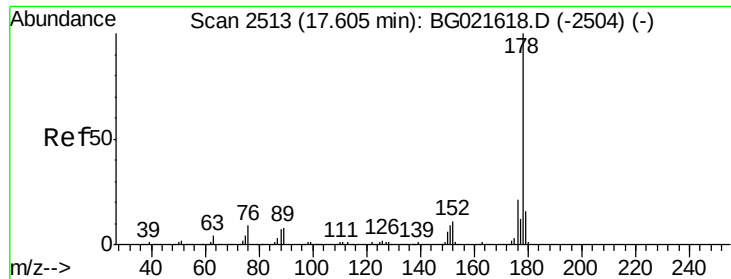
#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 17.56 min Scan# 2505
 Delta R.T. -0.01 min
 Lab File: BG021763.D
 Acq: 19 Apr 2016 20:17

Tgt Ion:188 Resp: 202928
 Ion Ratio Lower Upper
 188 100
 94 9.0 7.5 11.3
 80 10.9 8.6 13.0



Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BGC
 Ion 80.00 (79.70 to 80.70): BGC

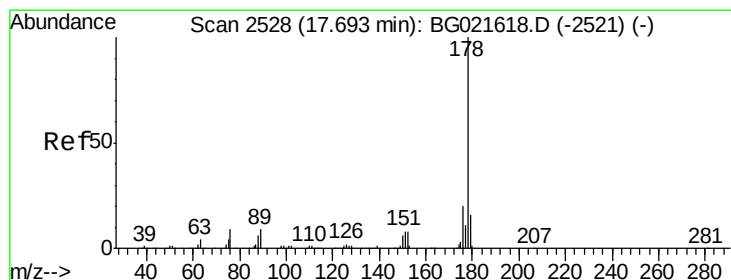
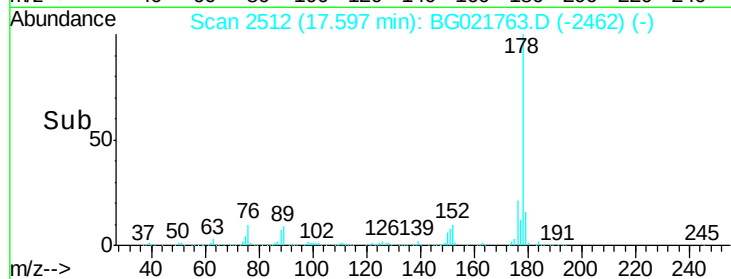
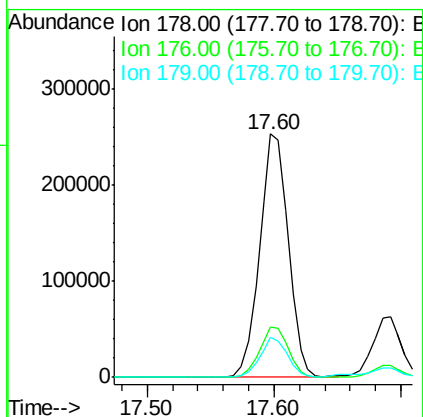
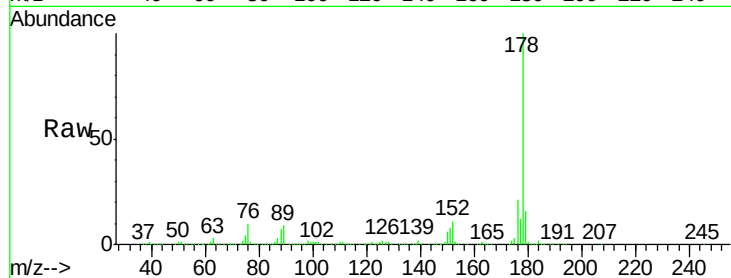




#70
Phenanthrene
Concen: 35.71 ng
RT: 17.60 min Scan# 2512
Delta R.T. -0.01 min
Lab File: BG021763.D
Acq: 19 Apr 2016 20:17

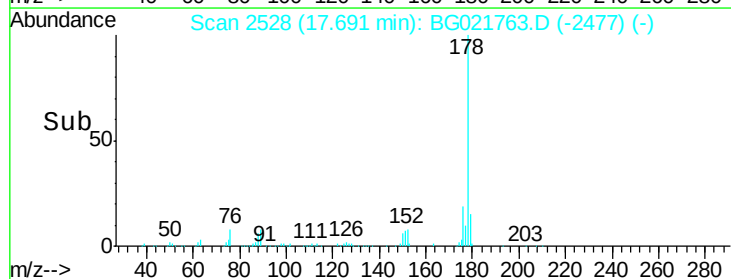
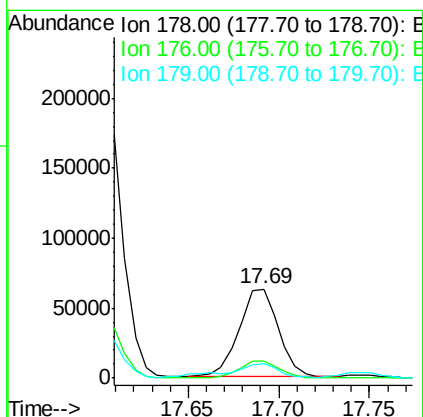
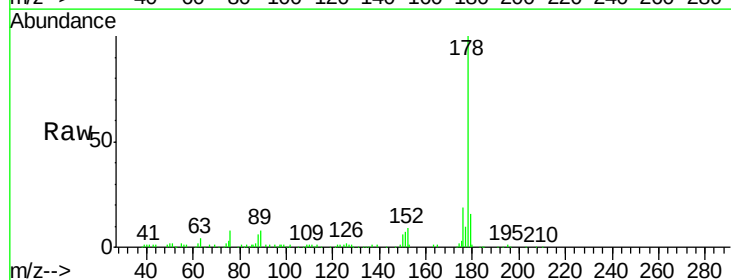
Instrument :
BNA_G
ClientSampleId :
POST-EX-23-20160412DL

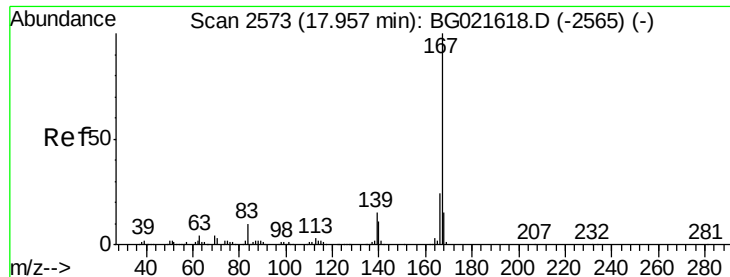
Tgt Ion:178 Resp: 399341
Ion Ratio Lower Upper
178 100
176 20.8 16.2 24.4
179 16.3 12.0 18.0



#71
Anthracene
Concen: 8.38 ng
RT: 17.69 min Scan# 2528
Delta R.T. -0.00 min
Lab File: BG021763.D
Acq: 19 Apr 2016 20:17

Tgt Ion:178 Resp: 95195
Ion Ratio Lower Upper
178 100
176 19.5 15.0 22.4
179 15.7 12.2 18.4





#72

Carbazole

Concen: 3.61 ng

RT: 17.96 min Scan# 2573

Delta R.T. -0.00 min

Lab File: BG021763.D

Acq: 19 Apr 2016 20:17

Instrument :

BNA_G

ClientSampleId :

POST-EX-23-20160412DL

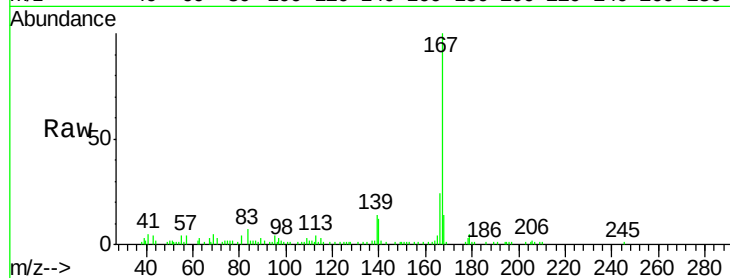
Tgt Ion:167 Resp: 38294

Ion Ratio Lower Upper

167 100

166 24.0 18.6 27.8

139 14.2 10.6 15.8

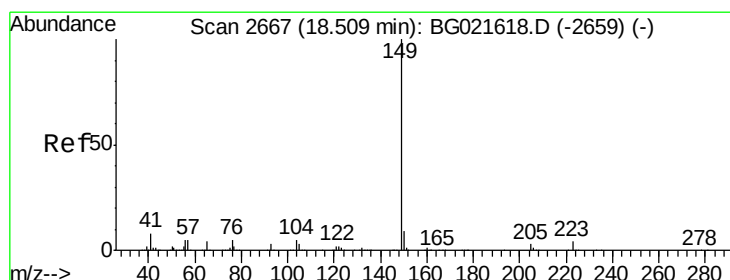
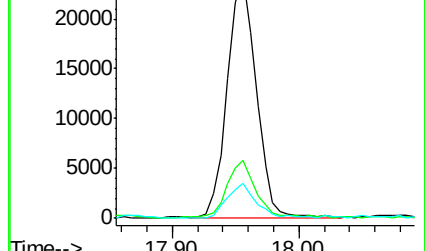
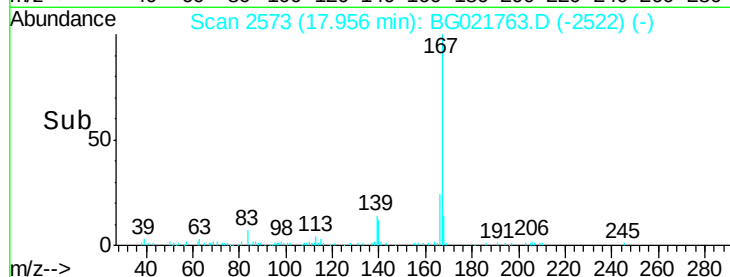


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

Time-->



#73

Di-n-butylphthalate

Concen: 2.27 ng

RT: 18.50 min Scan# 2665

Delta R.T. -0.01 min

Lab File: BG021763.D

Acq: 19 Apr 2016 20:17

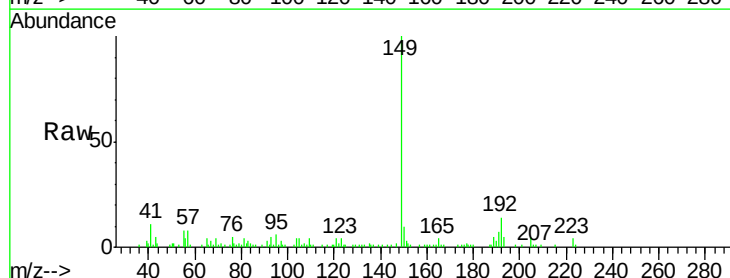
Tgt Ion:149 Resp: 30657

Ion Ratio Lower Upper

149 100

150 10.1 7.4 11.0

104 4.1 4.0 6.0

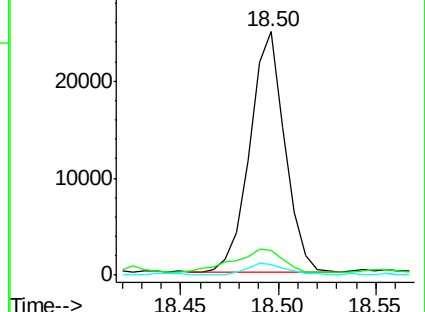
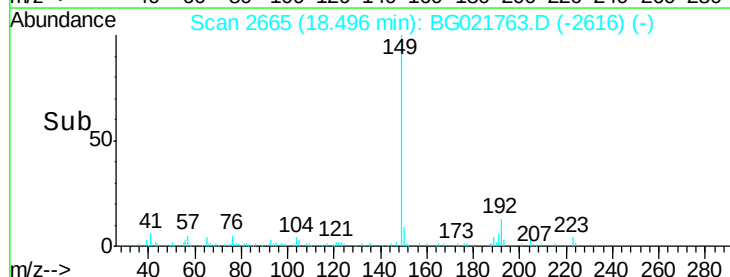


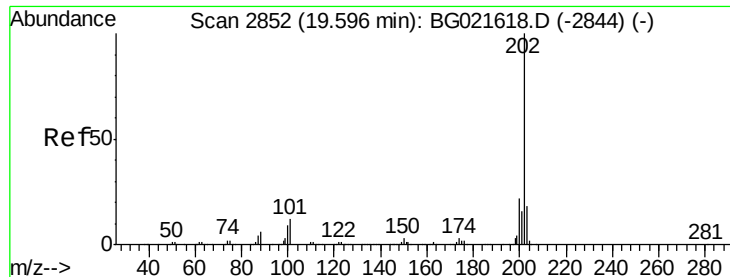
Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

Time-->





#74

Fluoranthene

Concen: 44.10 ng

RT: 19.60 min Scan# 2852

Delta R.T. -0.00 min

Lab File: BG021763.D

Acq: 19 Apr 2016 20:17

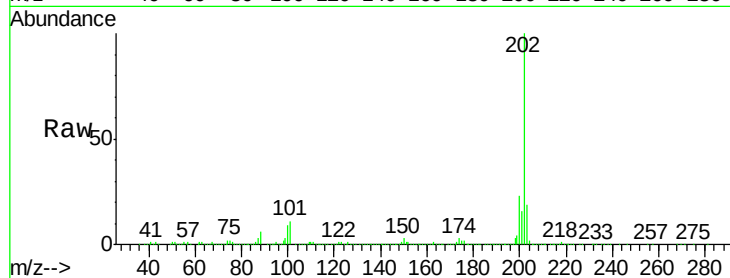
Instrument :

BNA_G

ClientSampleId :

POST-EX-23-20160412DL

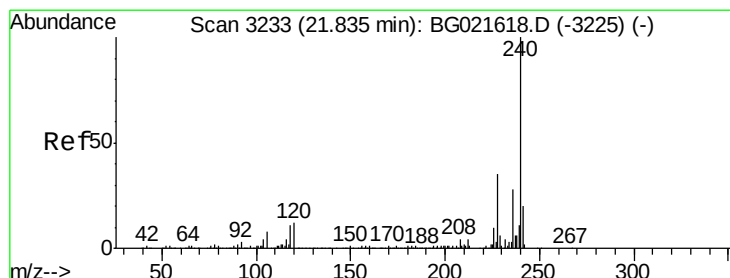
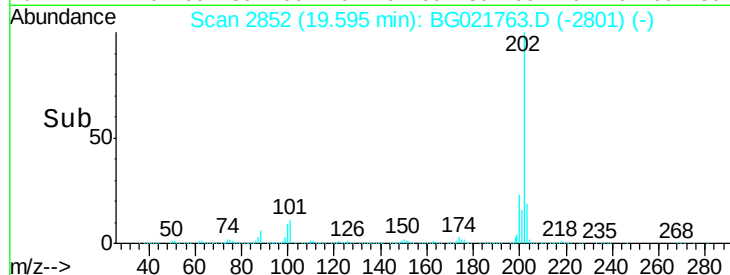
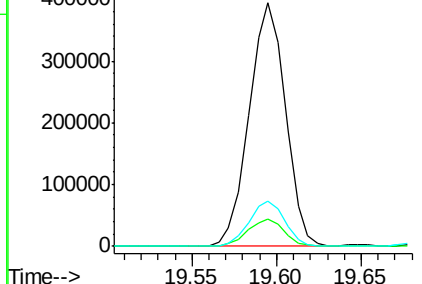
Tgt Ion:	202	Resp:	588900
Ion	Ratio	Lower	Upper
202	100		
101	11.2	0.0	31.0
203	18.8	0.0	37.9



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

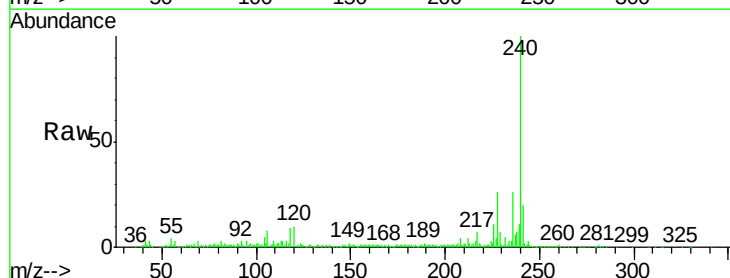
RT: 21.83 min Scan# 3233

Delta R.T. -0.00 min

Lab File: BG021763.D

Acq: 19 Apr 2016 20:17

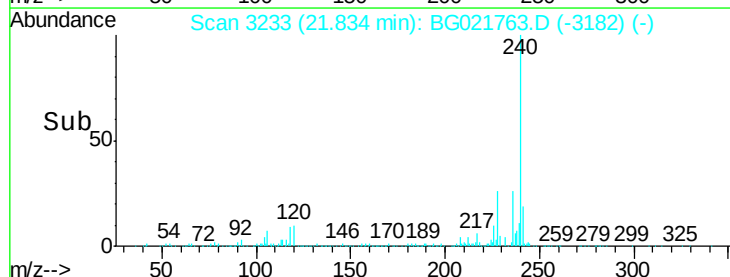
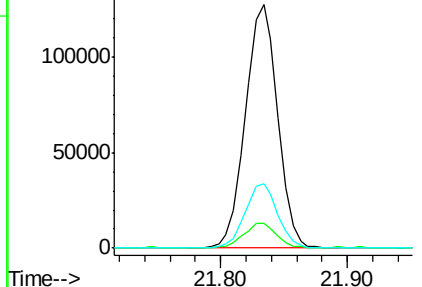
Tgt Ion:	240	Resp:	224162
Ion	Ratio	Lower	Upper
240	100		
120	10.0	8.4	12.6
236	26.4	19.6	29.4

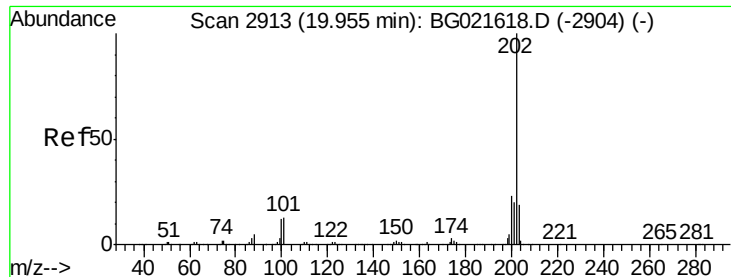


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 41.07 ng

RT: 19.95 min Scan# 2913

Delta R.T. -0.00 min

Lab File: BG021763.D

Acq: 19 Apr 2016 20:17

Instrument :

BNA_G

ClientSampleId :

POST-EX-23-20160412DL

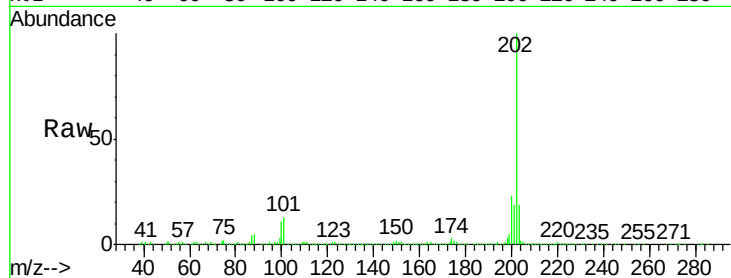
Tgt Ion:202 Resp: 530794

Ion Ratio Lower Upper

202 100

200 22.9 18.2 27.2

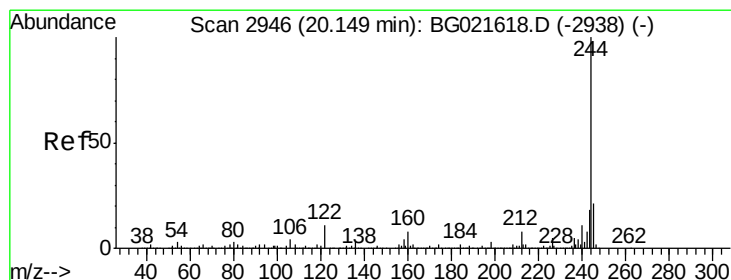
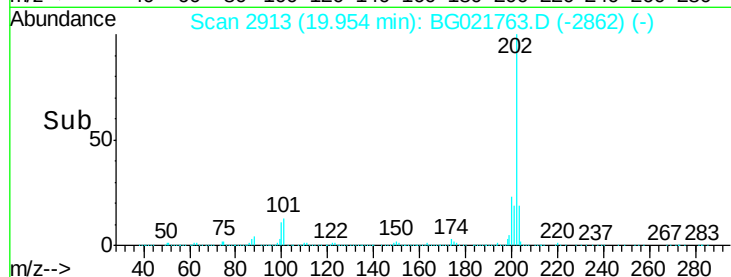
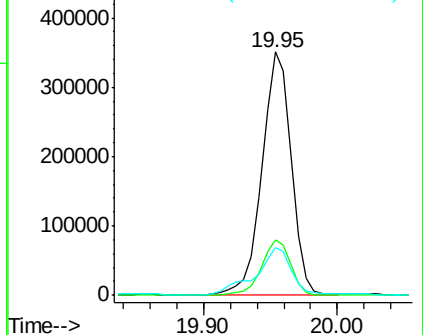
203 19.4 15.0 22.4



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 28.76 ng

RT: 20.14 min Scan# 2945

Delta R.T. -0.01 min

Lab File: BG021763.D

Acq: 19 Apr 2016 20:17

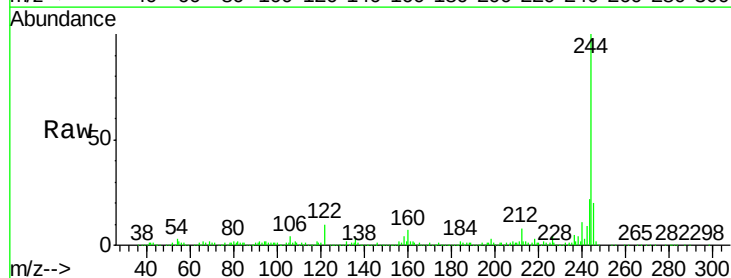
Tgt Ion:244 Resp: 258352

Ion Ratio Lower Upper

244 100

212 7.7 6.5 9.7

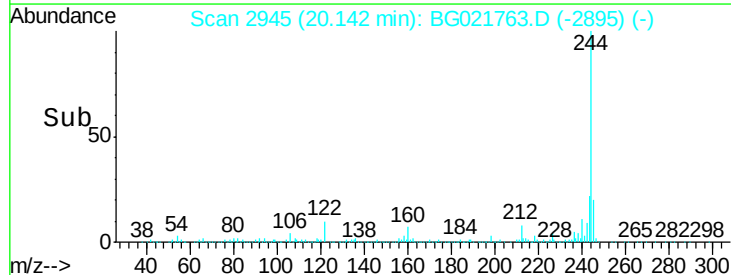
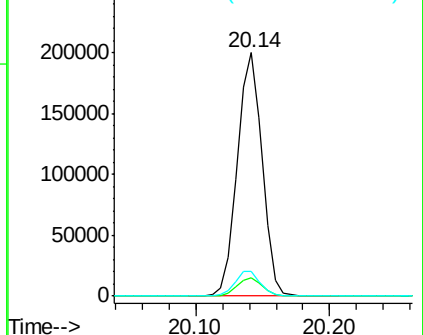
122 9.9 8.6 12.8

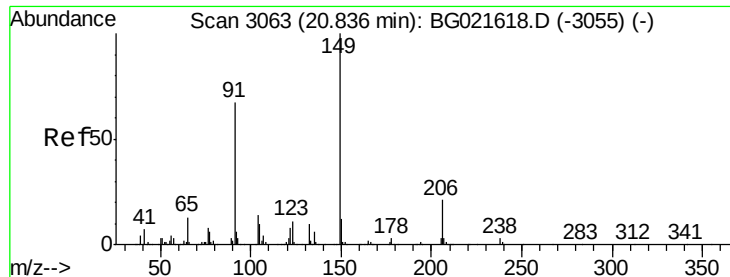


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

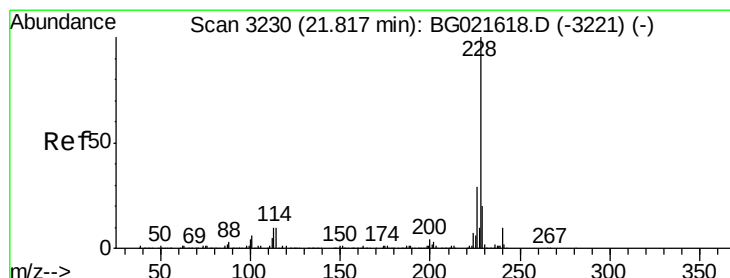
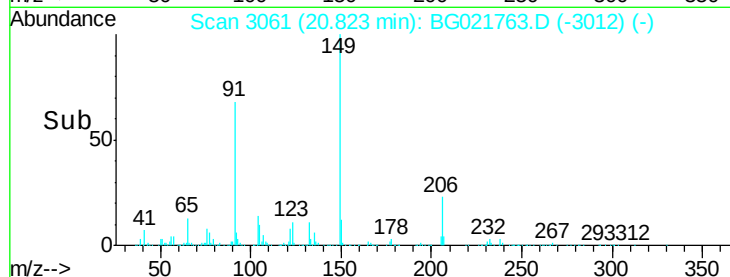
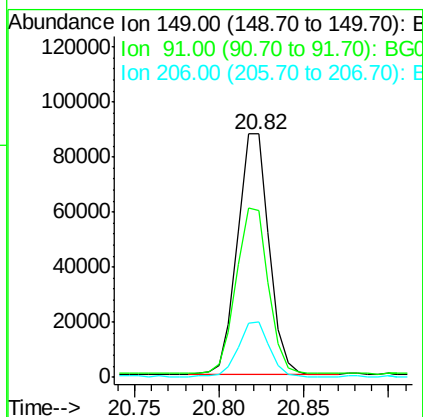
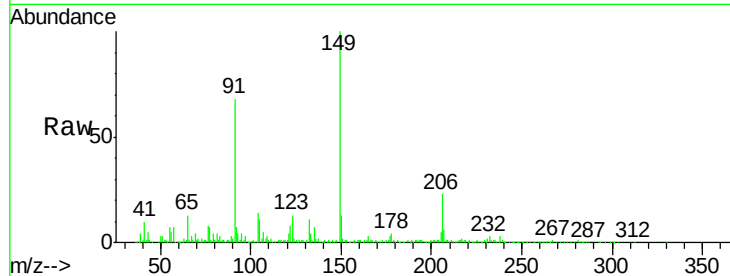




#79
Butylbenzylphthalate
Concen: 19.06 ng
RT: 20.82 min Scan# 3061
Delta R.T. -0.01 min
Lab File: BG021763.D
Acq: 19 Apr 2016 20:17

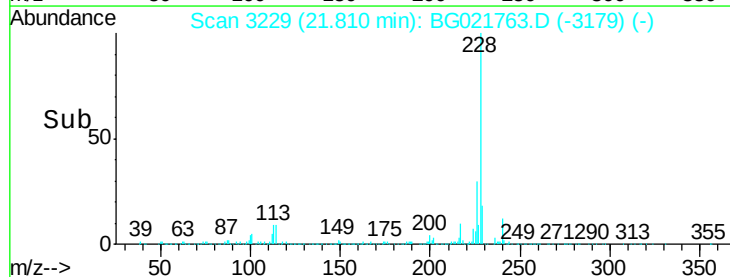
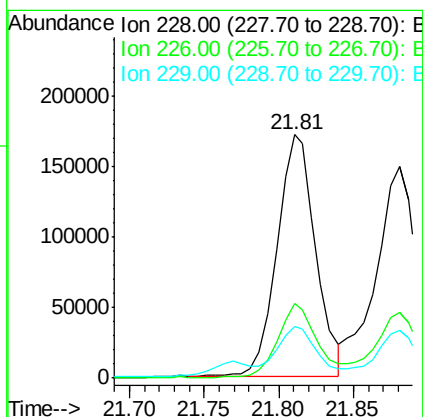
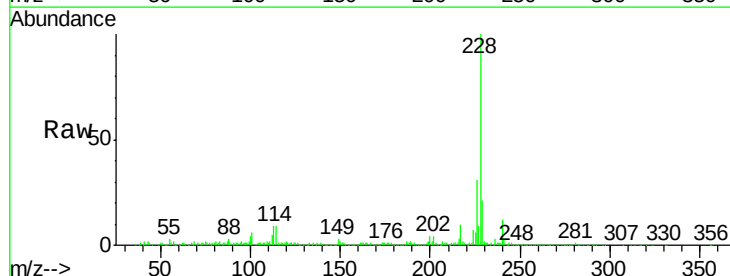
Instrument :
BNA_G
ClientSampleId :
POST-EX-23-20160412DL

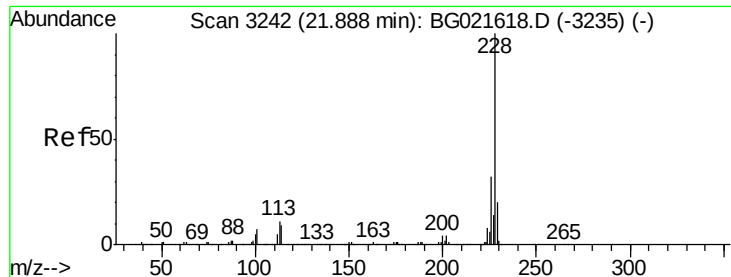
Tgt Ion	Ratio	Lower	Upper
149	100		
91	68.4	57.8	86.8
206	22.7	17.0	25.4



#80
Benzo(a)anthracene
Concen: 24.01 ng
RT: 21.81 min Scan# 3229
Delta R.T. -0.01 min
Lab File: BG021763.D
Acq: 19 Apr 2016 20:17

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.5	22.6	34.0
229	21.5	16.1	24.1





#82

Chrysene

Concen: 21.94 ng

RT: 21.88 min Scan# 3241

Delta R.T. -0.01 min

Lab File: BG021763.D

Acq: 19 Apr 2016 20:17

Instrument :

BNA_G

ClientSampleId :

POST-EX-23-20160412DL

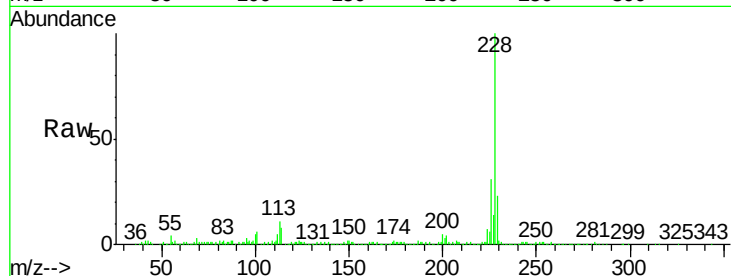
Tgt Ion:228 Resp: 271870

Ion Ratio Lower Upper

228 100

226 31.2 25.4 38.0

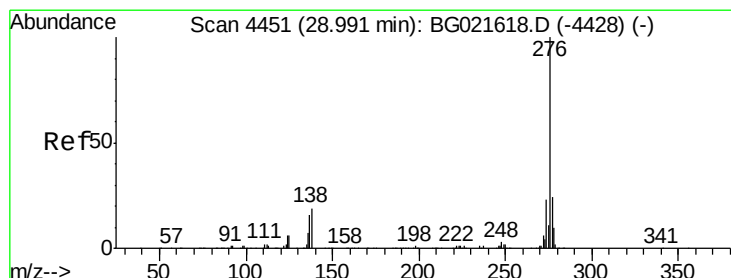
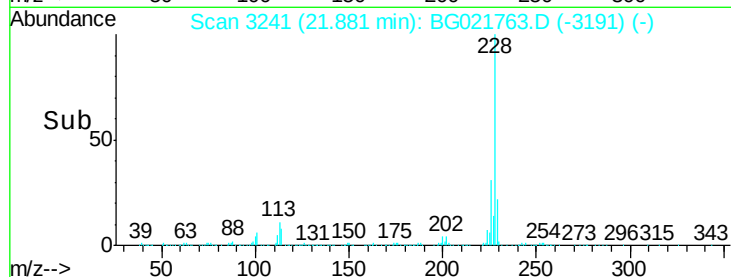
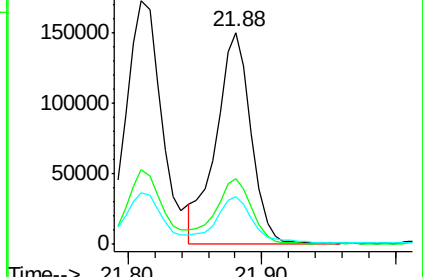
229 22.7 15.9 23.9



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 11.39 ng

RT: 28.99 min Scan# 4451

Delta R.T. -0.00 min

Lab File: BG021763.D

Acq: 19 Apr 2016 20:17

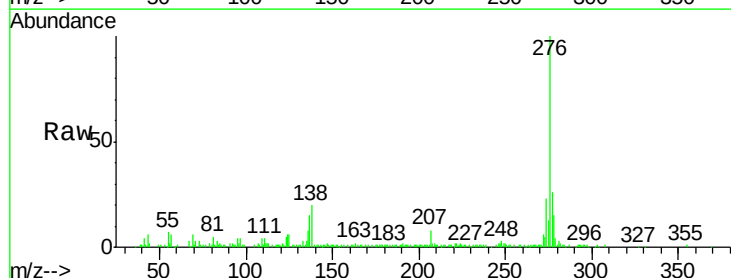
Tgt Ion:276 Resp: 167760

Ion Ratio Lower Upper

276 100

138 20.4 14.0 21.0

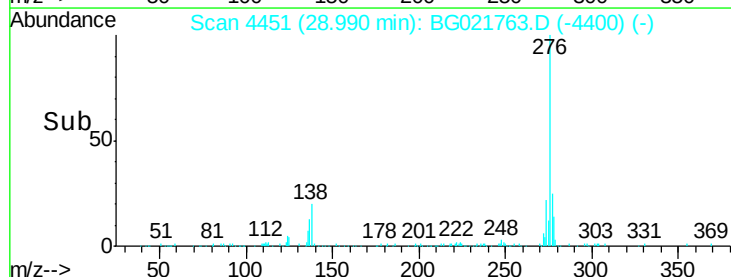
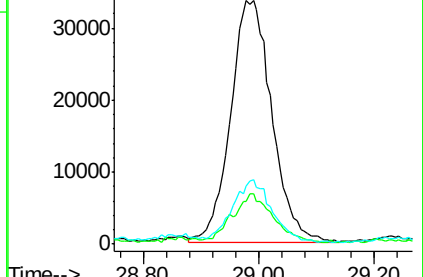
277 24.0 20.6 30.8

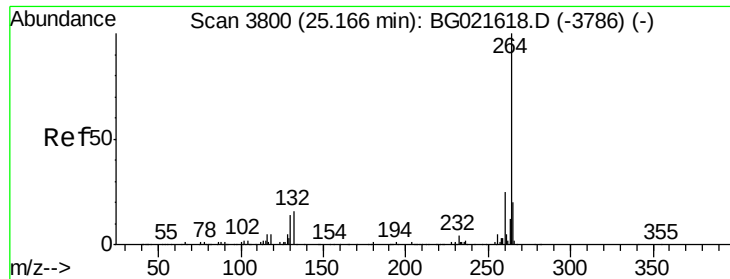


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

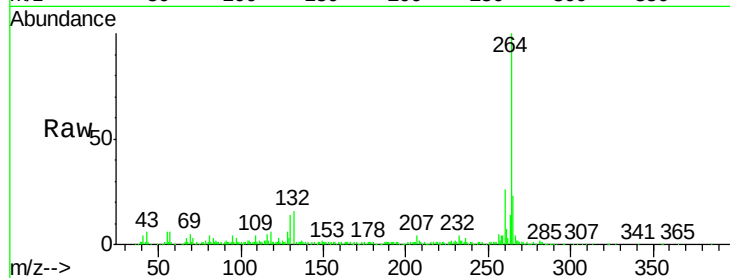




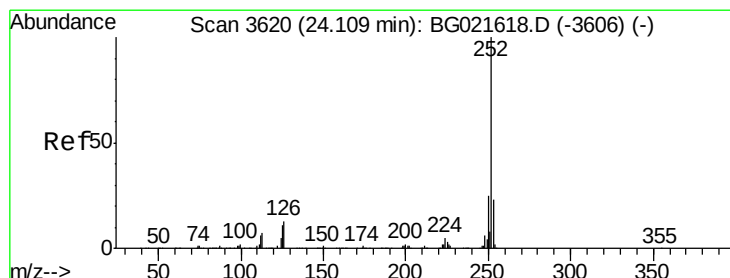
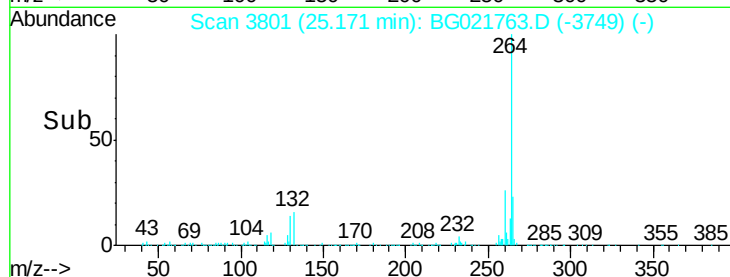
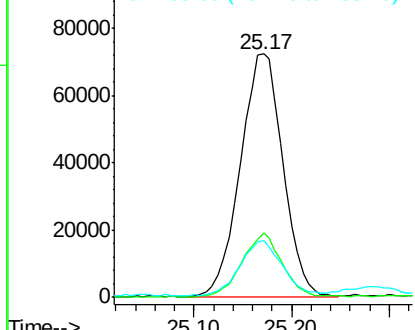
#86
Perylene-d12
Concen: 20.00 ng
RT: 25.17 min Scan# 3801
Delta R.T. 0.00 min
Lab File: BG021763.D
Acq: 19 Apr 2016 20:17

Instrument :
BNA_G
ClientSampleId :
POST-EX-23-20160412DL

Tgt Ion:	264	Resp:	220315
Ion	Ratio	Lower	Upper
264	100		
260	26.3	20.2	30.4
265	23.1	17.8	26.8

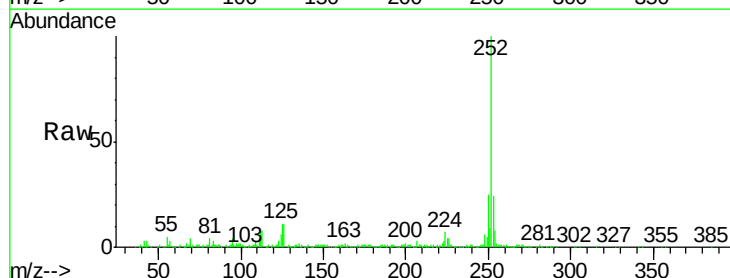


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

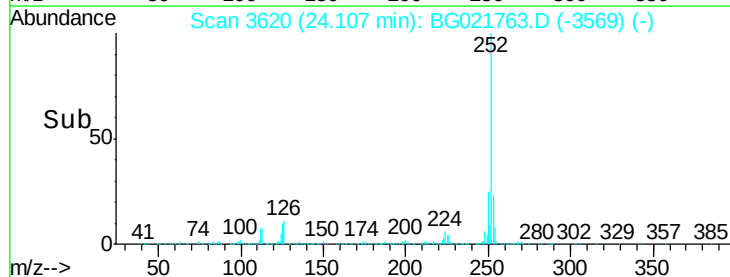
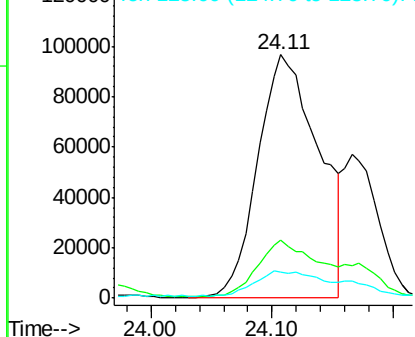


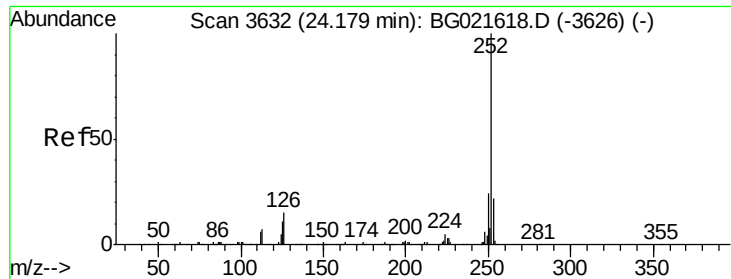
#87
Benzo(b)fluoranthene
Concen: 26.30 ng
RT: 24.11 min Scan# 3620
Delta R.T. -0.00 min
Lab File: BG021763.D
Acq: 19 Apr 2016 20:17

Tgt Ion:	252	Resp:	336203
Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.5	26.3
125	10.7	8.6	13.0



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 26.90 ng

RT: 24.11 min Scan# 3620

Delta R.T. -0.07 min

Lab File: BG021763.D

Acq: 19 Apr 2016 20:17

Instrument :

BNA_G

ClientSampleId :

POST-EX-23-20160412DL

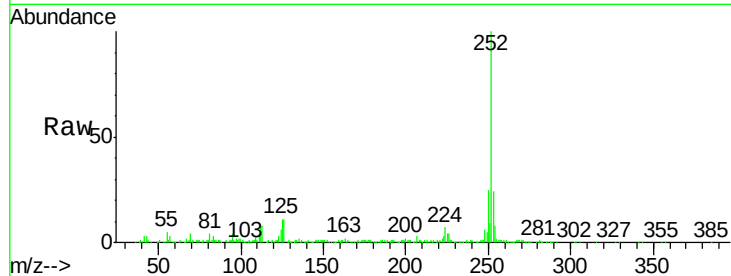
Tgt Ion:252 Resp: 336203

Ion Ratio Lower Upper

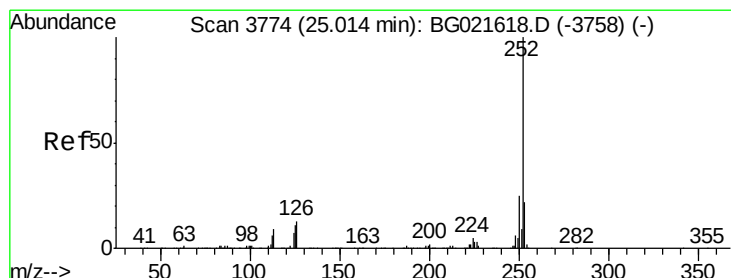
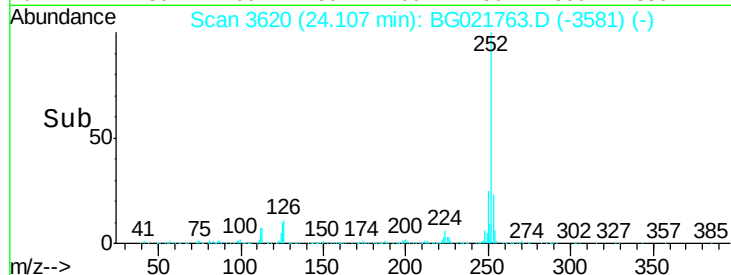
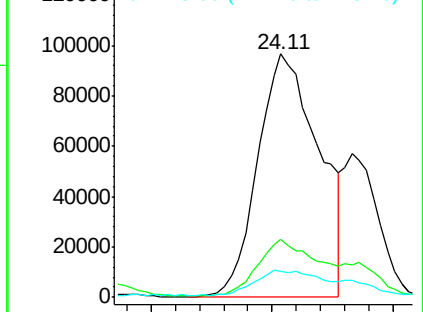
252 100

253 23.6 17.8 26.8

125 10.7 8.3 12.5



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#89

Benzo(a)pyrene

Concen: 20.38 ng

RT: 25.01 min Scan# 3774

Delta R.T. -0.00 min

Lab File: BG021763.D

Acq: 19 Apr 2016 20:17

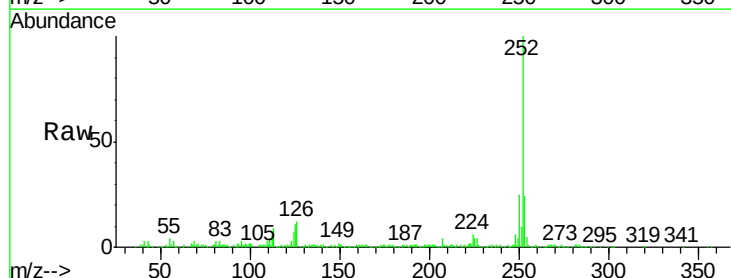
Tgt Ion:252 Resp: 252487

Ion Ratio Lower Upper

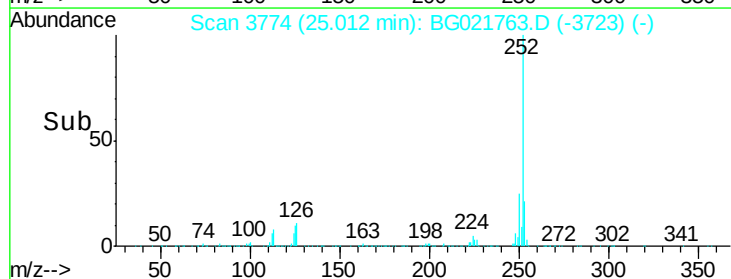
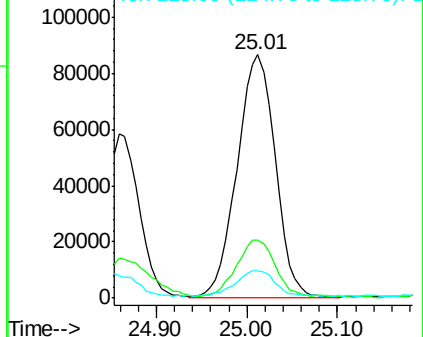
252 100

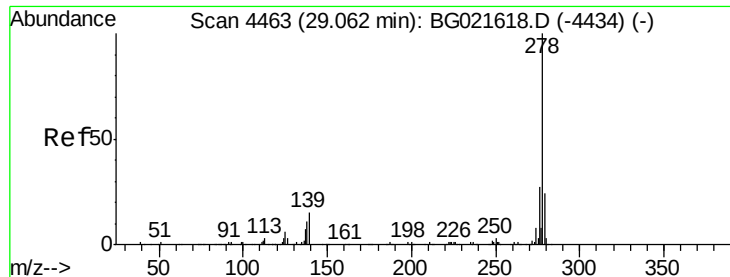
253 23.6 17.1 25.7

125 11.2 9.6 14.4



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#90

Dibenzo(a,h)anthracene

Concen: 3.40 ng

RT: 29.03 min Scan# 4458

Delta R.T. -0.03 min

Lab File: BG021763.D

Acq: 19 Apr 2016 20:17

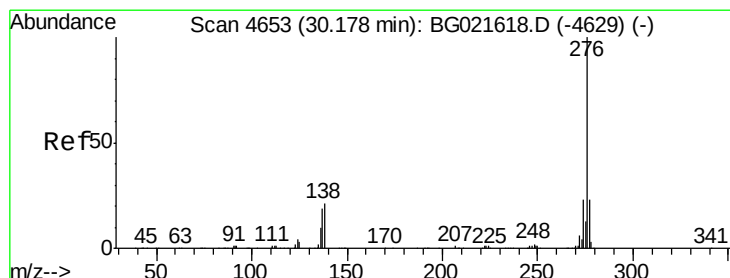
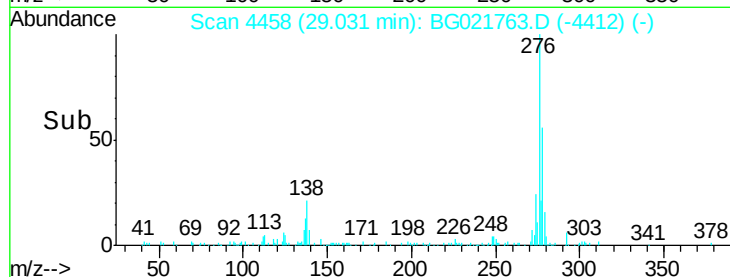
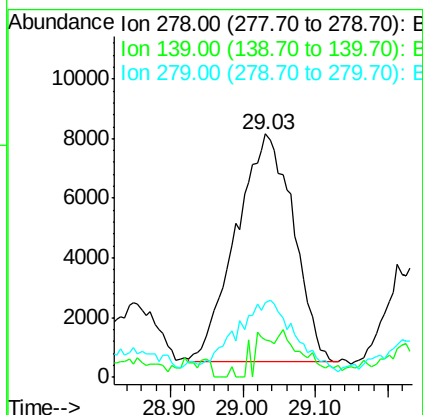
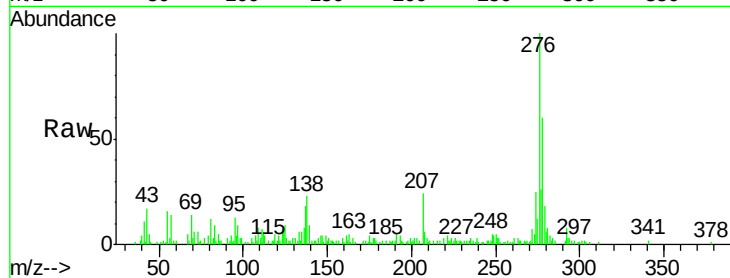
Instrument :

BNA_G

ClientSampleId :

POST-EX-23-20160412DL

Tgt Ion:	278	Resp:	42163
Ion	Ratio	Lower	Upper
278	100		
139	15.2	11.9	17.9
279	30.8	18.2	27.2#



#91

Benzo(g,h,i)perylene

Concen: 12.90 ng

RT: 30.18 min Scan# 4654

Delta R.T. 0.00 min

Lab File: BG021763.D

Acq: 19 Apr 2016 20:17

Tgt Ion:	276	Resp:	157206
Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.4	29.2
138	19.0	17.4	26.0

