

Data Path : Z:\HPCHEM1\BNA G\DATA\BG030116\
 Data File : BG021198.D
 Acq On : 2 Mar 2016 00:22
 Operator : UM/SJ
 Sample : H1565-10
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DUP-1-20160223

Quant Time: Mar 02 02:14:51 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 29 17:40:25 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	12498	20.00	ng	-0.01
21) Naphthalene-d8	10.96	136	62532	20.00	ng	0.00
38) Acenaphthene-d10	14.76	164	35223	20.00	ng	0.00
63) Phenanthrene-d10	17.49	188	74743	20.00	ng	0.00
75) Chrysene-d12	21.76	240	78779	20.00	ng	0.00
86) Perylene-d12	25.03	264	74776	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.70	112	22020	28.01	ng	0.00
7) Phenol-d6	7.29	99	149758	115.85	ng	0.00
23) Nitrobenzene-d5	9.31	82	150195	101.64	ng	0.00
41) 2,4,6-Tribromophenol	16.24	330	4466	12.19	ng	0.00
44) 2-Fluorobiphenyl	13.39	172	231906	93.49	ng	0.00
78) Terphenyl-d14	20.08	244	280890	86.38	ng	0.00

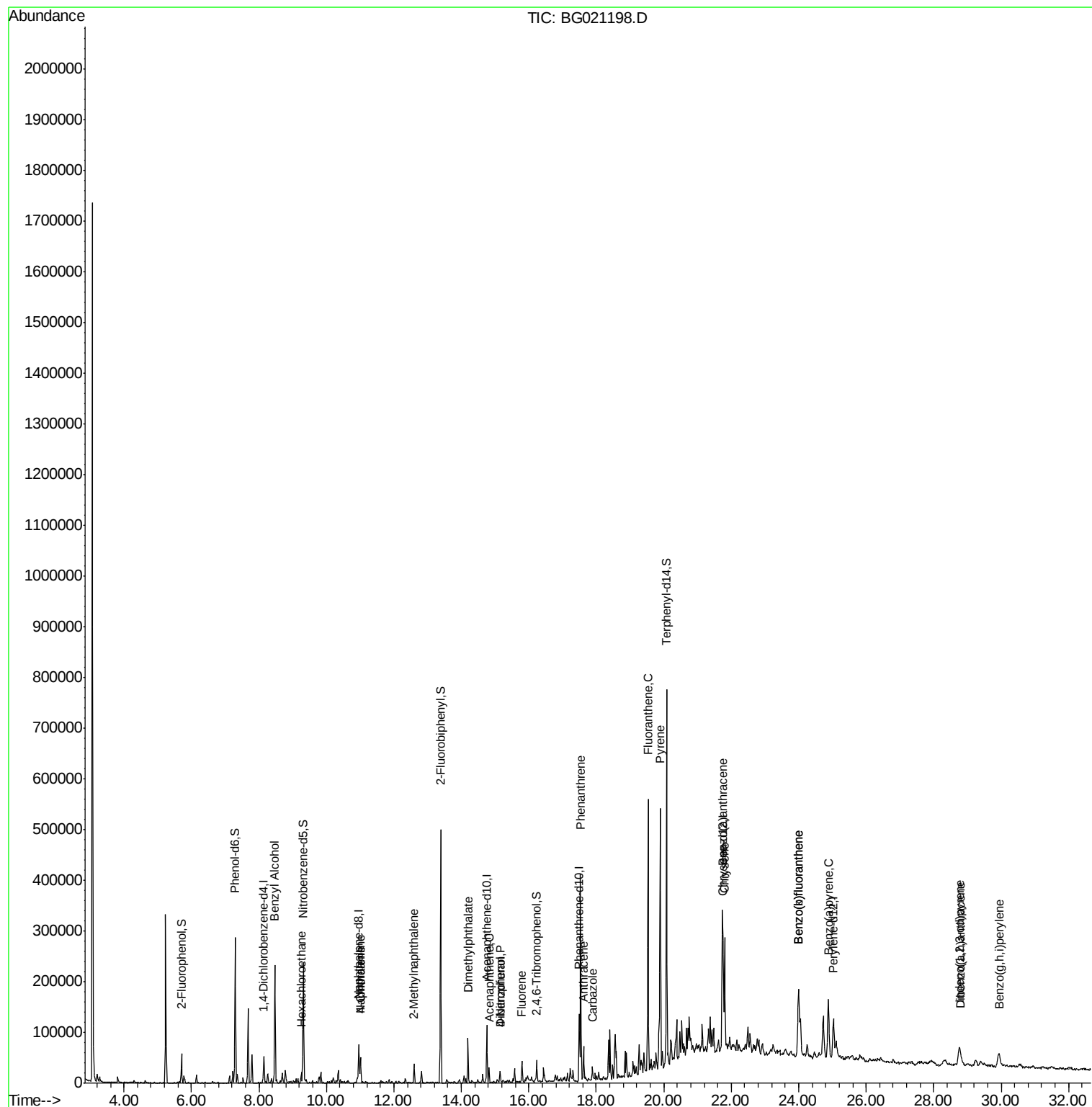
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	8.47	79	2416	2.05	ng	# 54
18) Hexachloroethane	9.26	117	1923	4.51	ng	# 1
31) Naphthalene	11.01	128	33882	10.39	ng	99
33) 4-Chloroaniline	11.01	127	4553	3.03	ng	# 30
37) 2-Methylnaphthalene	12.60	142	16187	6.97	ng	# 93
49) Dimethylphthalate	14.20	163	48839	15.56	ng	97
51) Acenaphthene	14.82	154	10595	4.53	ng	96
54) Dibenzofuran	15.15	168	10263	3.29	ng	# 81
55) 4-Nitrophenol	15.15	139	4847	8.02	ng	# 7
57) Fluorene	15.80	166	16262	5.47	ng	94
70) Phenanthrene	17.53	178	231525	57.40	ng	99
71) Anthracene	17.62	178	37379	9.06	ng	98
72) Carbazole	17.89	167	13982	3.82	ng	95
74) Fluoranthene	19.53	202	304395	64.23	ng	99
77) Pyrene	19.90	202	312575	66.51	ng	98
80) Benzo(a)anthracene	21.74	228	149341	32.02	ng	97
82) Chrysene	21.81	228	144493	32.69	ng	97
85) Indeno(1,2,3-cd)pyrene	28.76	276	59540	11.75	ng	# 100
87) Benzo(b)fluoranthene	23.99	252	154743	32.90	ng	94
88) Benzo(k)fluoranthene	23.99	252	154743	32.85	ng	94
89) Benzo(a)pyrene	24.88	252	123958	27.26	ng	95
90) Dibenz(a,h)anthracene	28.80	278	16400	3.65	ng	# 82
91) Benzo(g,h,i)perylene	29.93	276	55926	12.87	ng	# 91

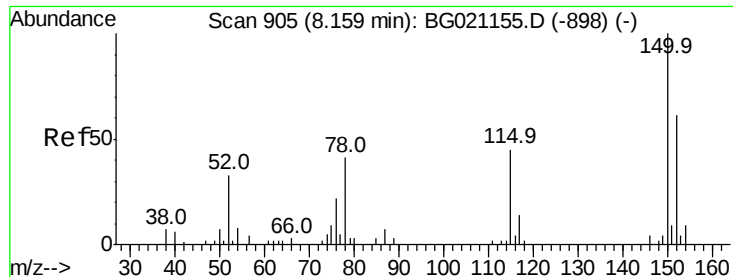
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.15 min Scan# 903

Delta R.T. -0.01 min

Lab File: BG021198.D

Acq: 2 Mar 2016 00:22

Instrument :

BNA_G

ClientSampleId :

DUP-1-20160223

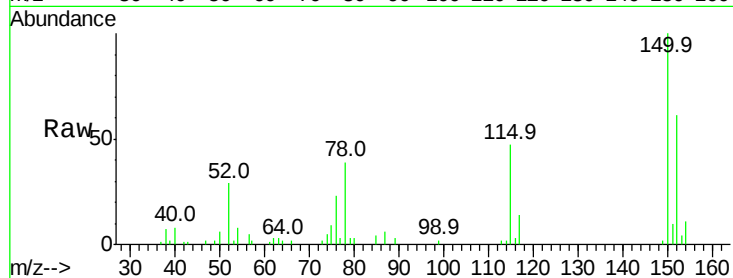
Tot Ion:152 Resp: 12498

Ion Ratio Lower Upper

152 100

150 163.4 123.4 185.2

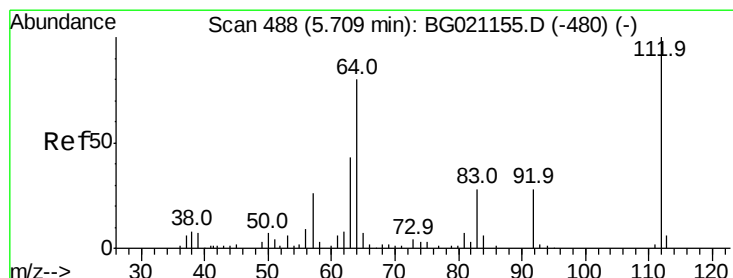
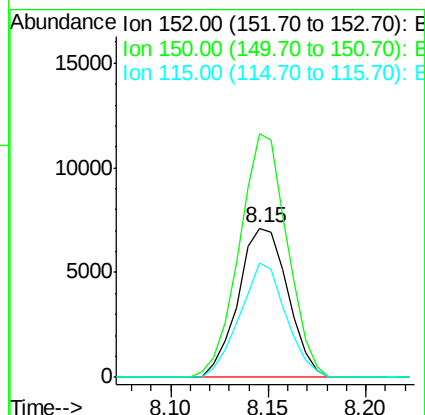
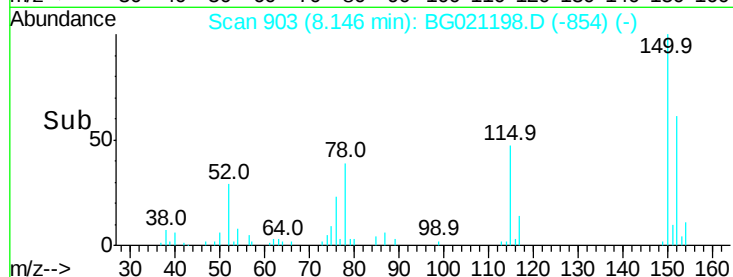
115 76.5 43.3 64.9#



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: 28.01 ng

RT: 5.70 min Scan# 487

Delta R.T. -0.01 min

Lab File: BG021198.D

Acq: 2 Mar 2016 00:22

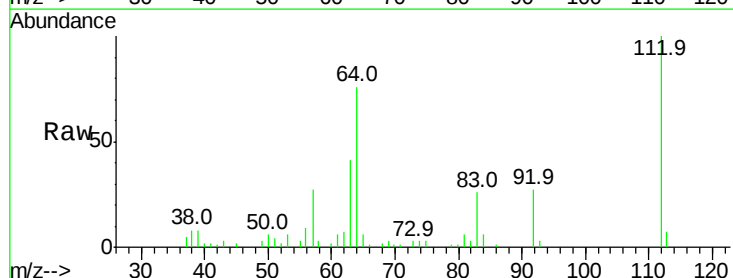
Tgt Ion:112 Resp: 22020

Ion Ratio Lower Upper

112 100

64 75.9 42.6 63.8#

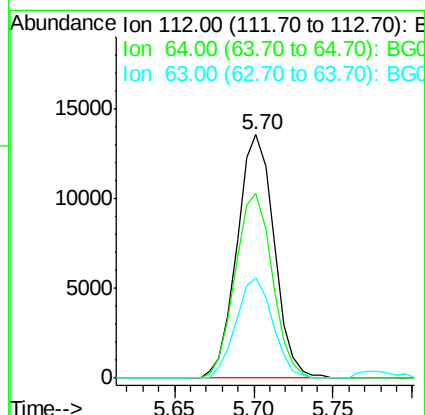
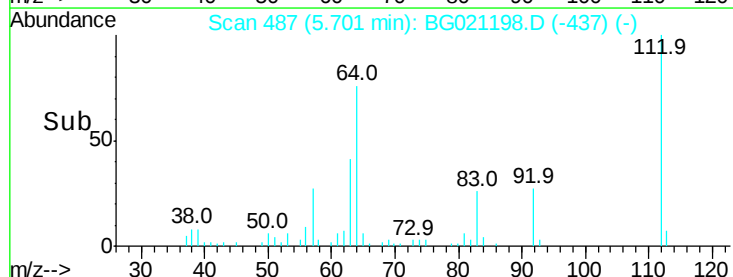
63 41.4 21.7 32.5#

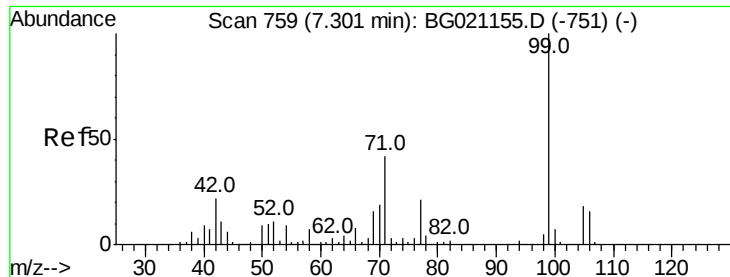


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 115.85 ng

RT: 7.29 min Scan# 758

Delta R.T. -0.01 min

Lab File: BG021198.D

Acq: 2 Mar 2016 00:22

Instrument :

BNA_G

ClientSampleId :

DUP-1-20160223

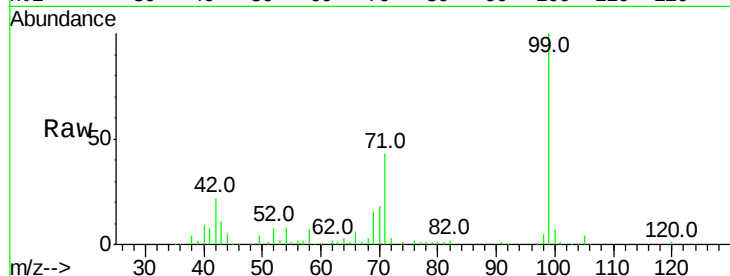
Tot Ion: 99 Resp: 149758

Ion Ratio Lower Upper

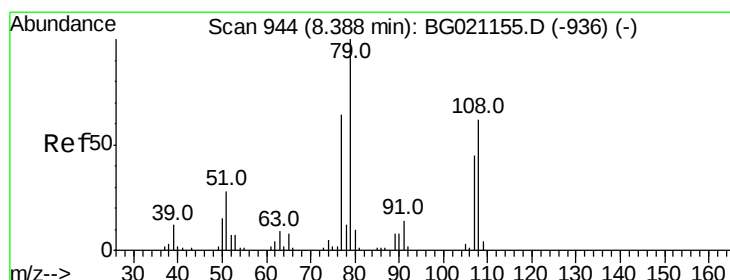
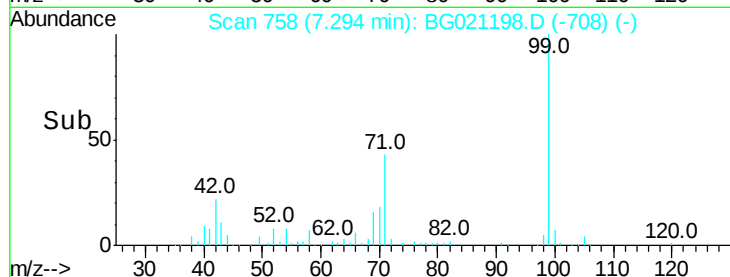
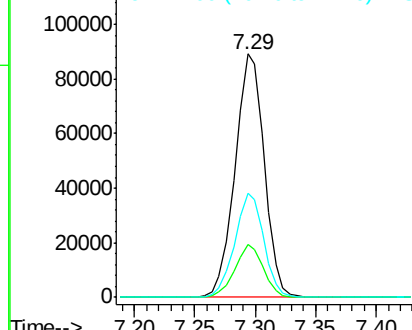
99 100

42 21.6 13.2 19.8#

71 42.6 25.2 37.8#



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



#15

Benzyl Alcohol

Concen: 2.05 ng

RT: 8.47 min Scan# 958

Delta R.T. 0.08 min

Lab File: BG021198.D

Acq: 2 Mar 2016 00:22

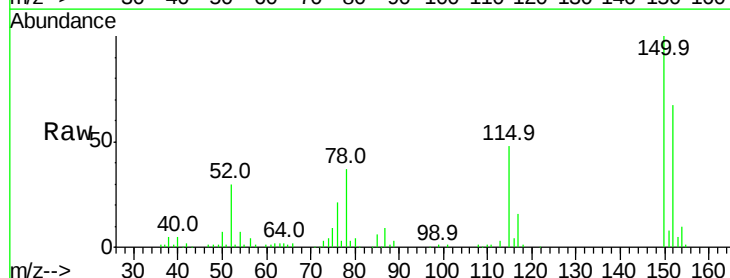
Tgt Ion: 79 Resp: 2416

Ion Ratio Lower Upper

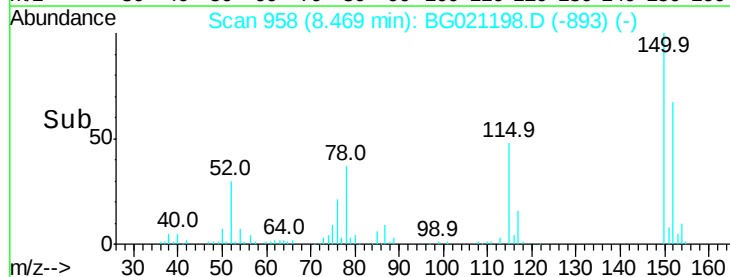
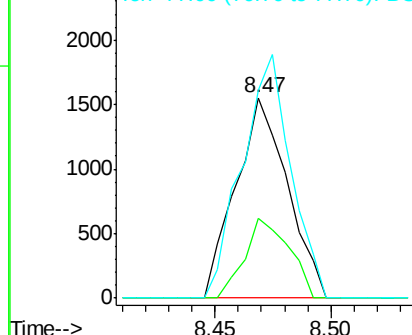
79 100

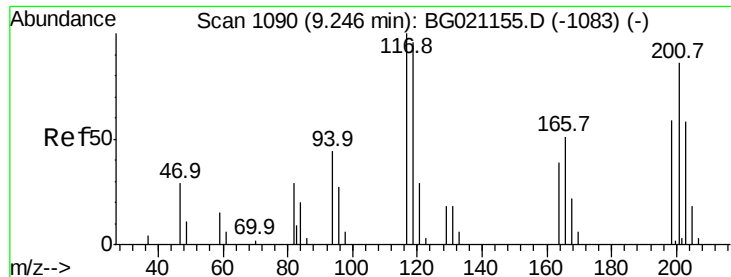
108 39.8 65.1 97.7#

77 103.9 53.8 80.8#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC





#18

Hexachloroethane

Concen: 4.51 ng

RT: 9.26 min Scan# 1092

Delta R.T. 0.01 min

Lab File: BG021198.D

Acq: 2 Mar 2016 00:22

Instrument :

BNA_G

ClientSampleId :

DUP-1-20160223

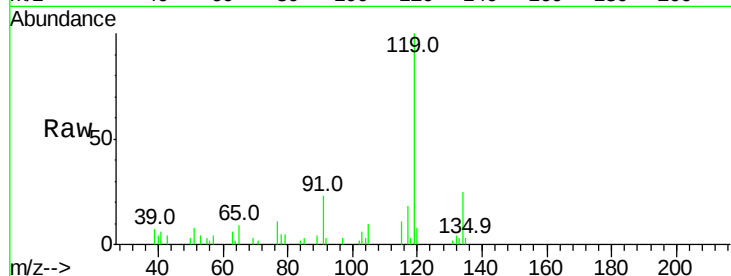
Tot Ion:117 Resp: 1923

Ion Ratio Lower Upper

117 100

119 565.1 74.5 111.7#

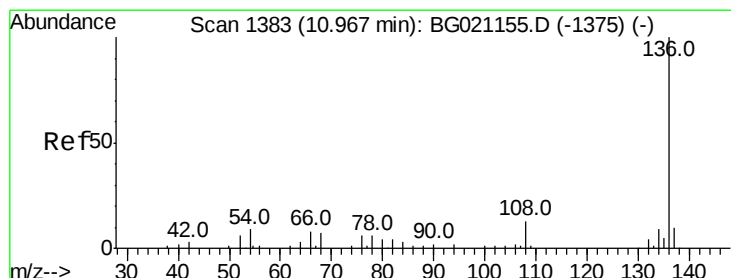
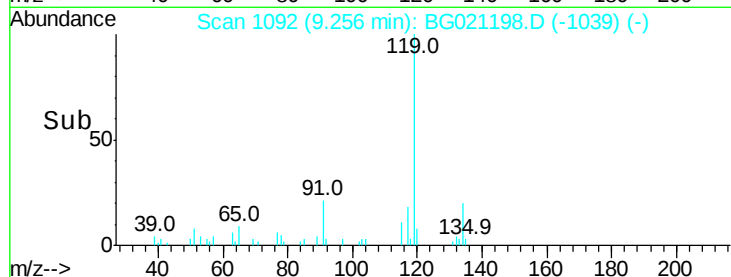
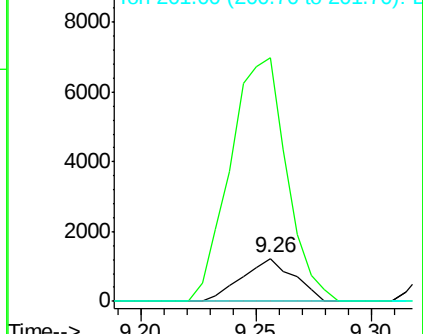
201 0.0 68.2 102.4#



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.96 min Scan# 1382

Delta R.T. -0.01 min

Lab File: BG021198.D

Acq: 2 Mar 2016 00:22

Tgt Ion:136 Resp: 62532

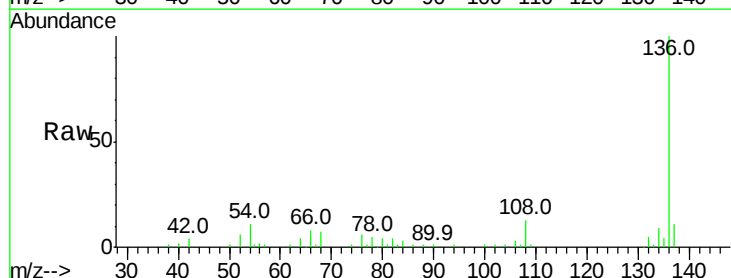
Ion Ratio Lower Upper

136 100

137 10.7 8.8 13.2

54 10.9 6.9 10.3#

68 7.4 5.8 8.6

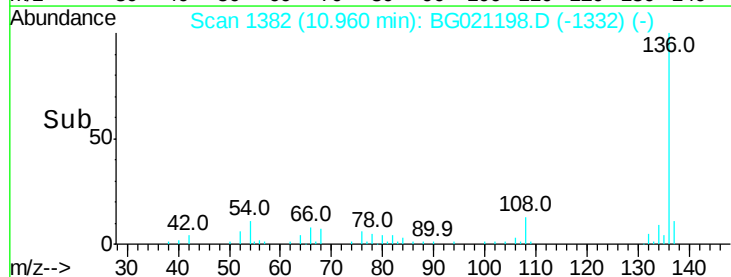
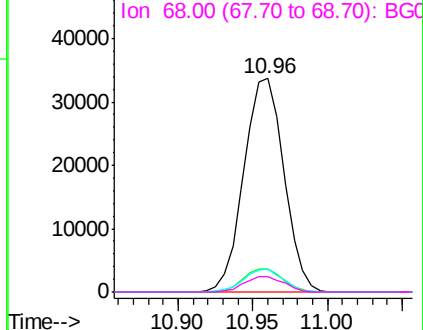


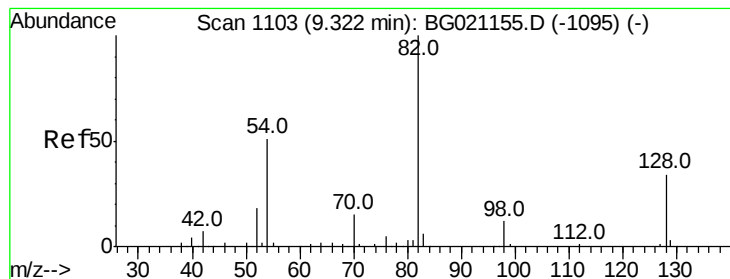
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC





#23

Nitrobenzene-d5

Concen: 101.64 ng

RT: 9.31 min Scan# 1102

Delta R.T. -0.01 min

Lab File: BG021198.D

Acq: 2 Mar 2016 00:22

Instrument :

BNA_G

ClientSampleId :

DUP-1-20160223

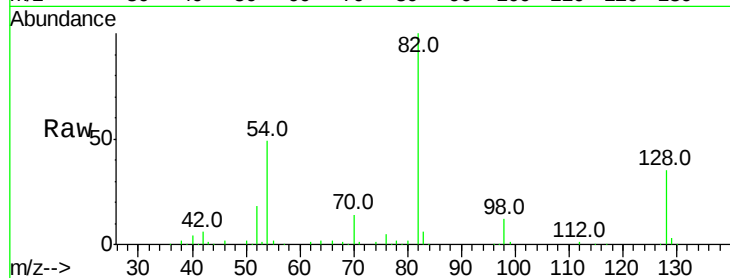
Tot Ion: 82 Resp: 150195

Ion Ratio Lower Upper

82 100

128 35.1 36.3 54.5#

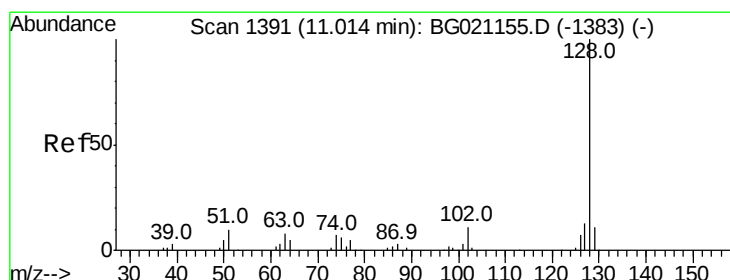
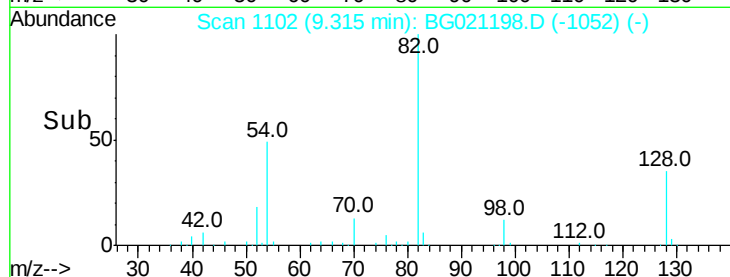
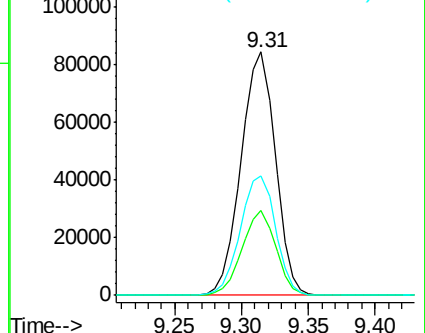
54 48.8 37.6 56.4



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



#31

Naphthalene

Concen: 10.39 ng

RT: 11.01 min Scan# 1390

Delta R.T. -0.01 min

Lab File: BG021198.D

Acq: 2 Mar 2016 00:22

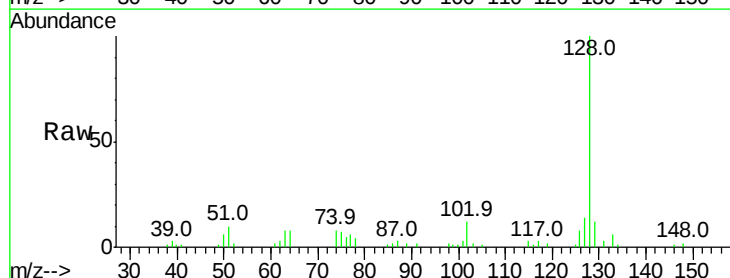
Tgt Ion:128 Resp: 33882

Ion Ratio Lower Upper

128 100

129 12.2 9.4 14.2

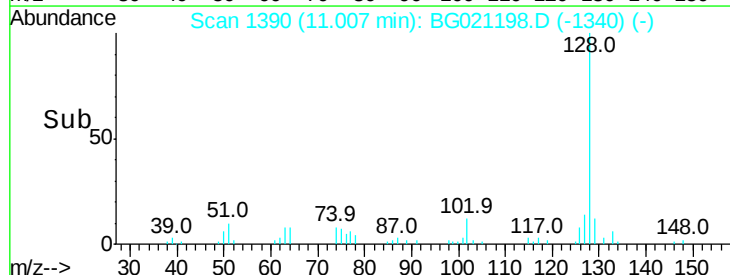
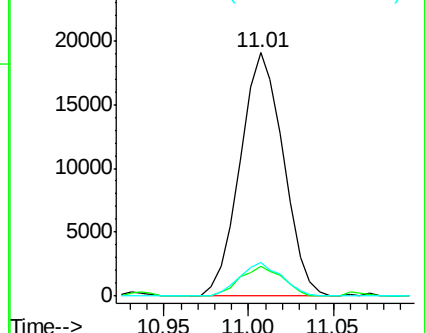
127 13.8 10.8 16.2

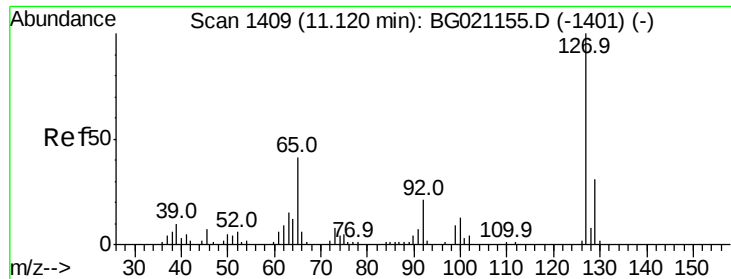


Abundance Ion 128.00 (127.70 to 128.70): BGC

Ion 129.00 (128.70 to 129.70): BGC

Ion 127.00 (126.70 to 127.70): BGC





#33

4-Chloroaniline

Concen: 3.03 ng

RT: 11.01 min Scan# 1390

Delta R.T. -0.11 min

Lab File: BG021198.D

Acq: 2 Mar 2016 00:22

Instrument :

BNA_G

ClientSampleId :

DUP-1-20160223

Tot Ion:127 Resp: 4553

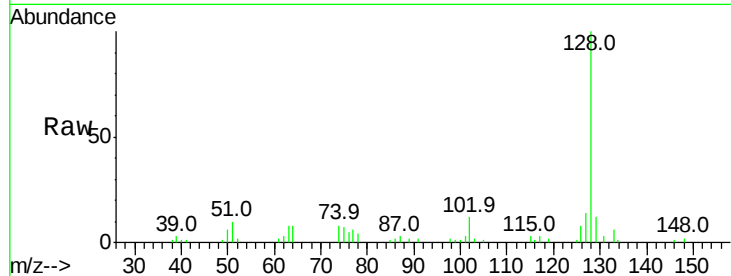
Ion Ratio Lower Upper

127 100

129 88.8 26.2 39.2#

65 0.0 22.9 34.3#

92 0.0 15.0 22.6#

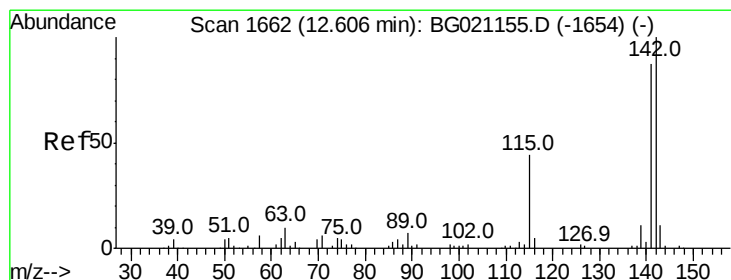
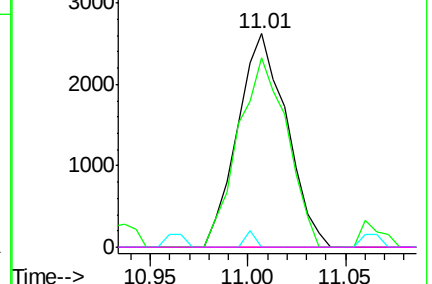
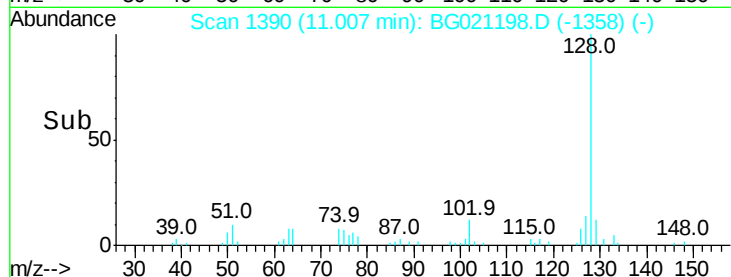


Abundance Ion 127.00 (126.70 to 127.70): E

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: 6.97 ng

RT: 12.60 min Scan# 1661

Delta R.T. -0.01 min

Lab File: BG021198.D

Acq: 2 Mar 2016 00:22

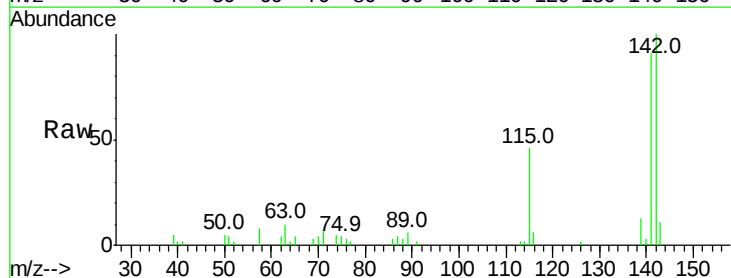
Tgt Ion:142 Resp: 16187

Ion Ratio Lower Upper

142 100

141 91.3 71.7 107.5

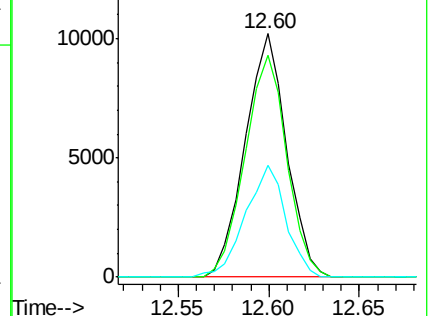
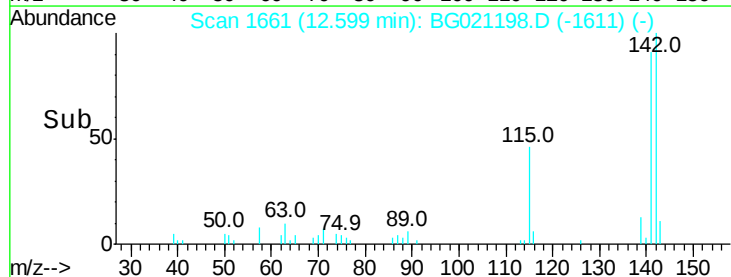
115 45.7 26.2 39.4#

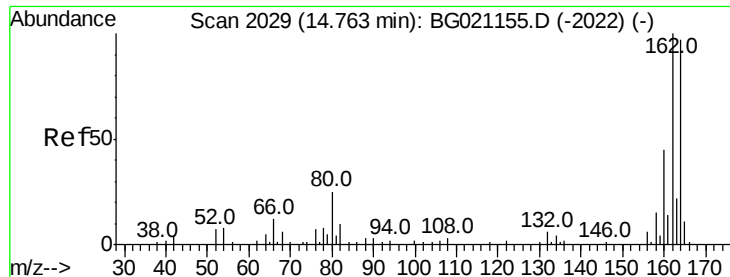


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.76 min Scan# 2028

Delta R.T. -0.01 min

Lab File: BG021198.D

Acq: 2 Mar 2016 00:22

Instrument :

BNA_G

ClientSampleId :

DUP-1-20160223

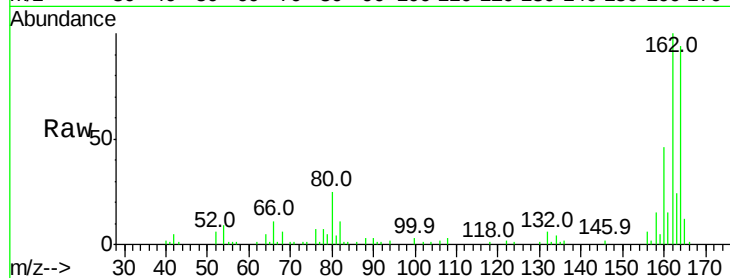
Tot Ion:164 Resp: 35223

Ion Ratio Lower Upper

164 100

162 106.2 80.6 120.8

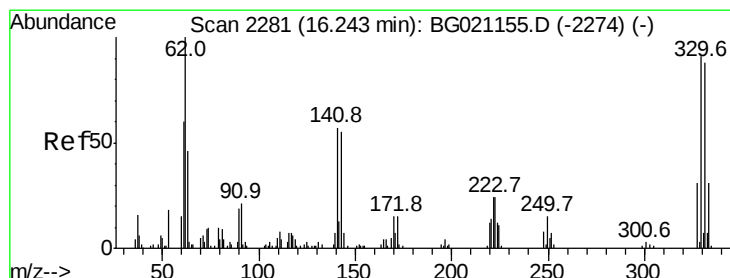
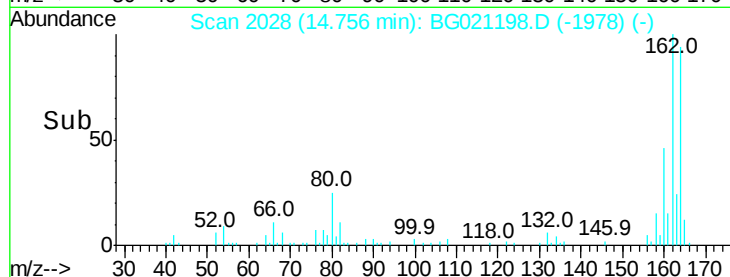
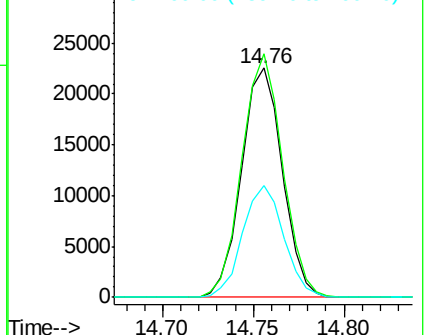
160 48.8 36.5 54.7



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: 12.19 ng

RT: 16.24 min Scan# 2280

Delta R.T. -0.01 min

Lab File: BG021198.D

Acq: 2 Mar 2016 00:22

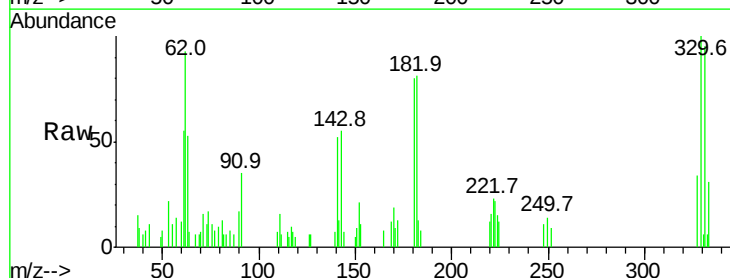
Tgt Ion:330 Resp: 4466

Ion Ratio Lower Upper

330 100

332 94.2 77.4 116.0

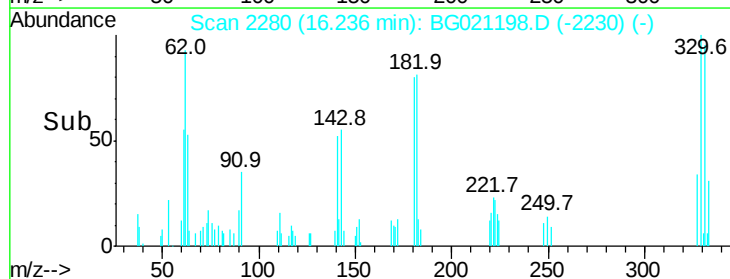
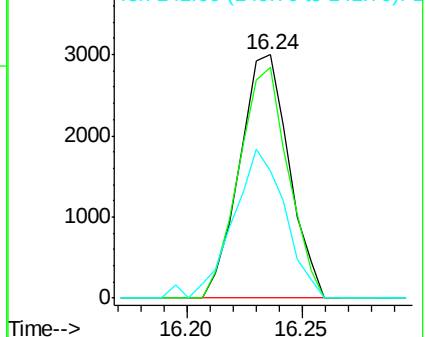
141 64.8 35.3 52.9#

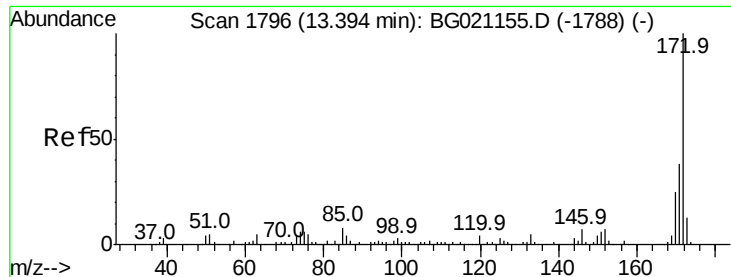


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

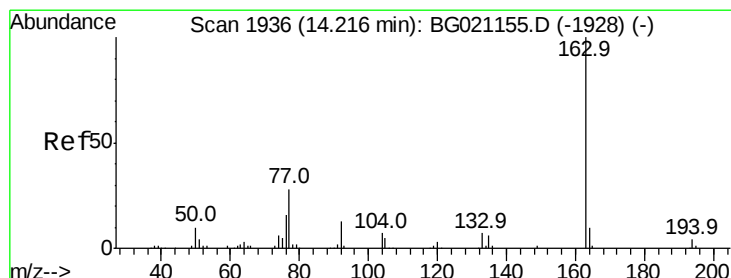
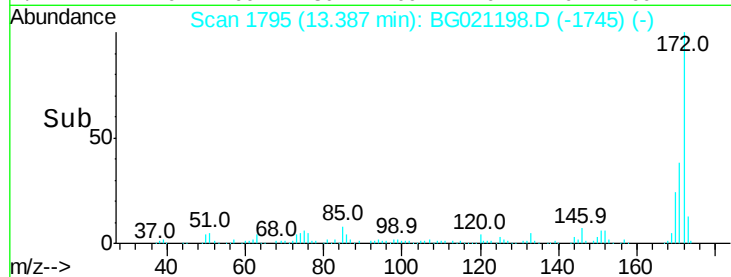
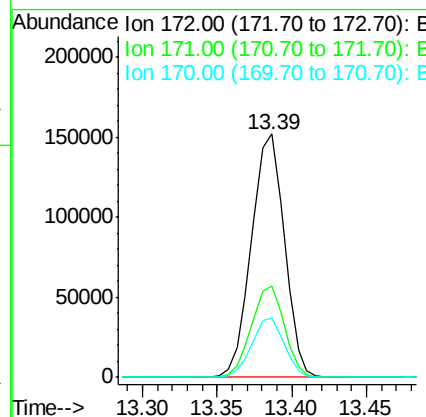
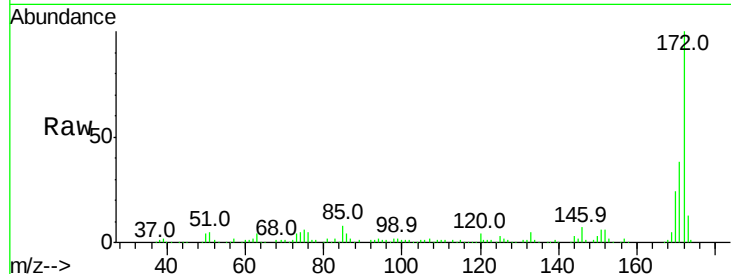




#44
 2-Fluorobiphenyl
 Concen: 93.49 ng
 RT: 13.39 min Scan# 1795
 Delta R.T. -0.01 min
 Lab File: BG021198.D
 Acq: 2 Mar 2016 00:22

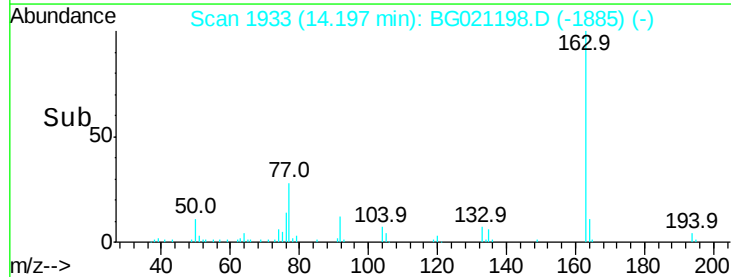
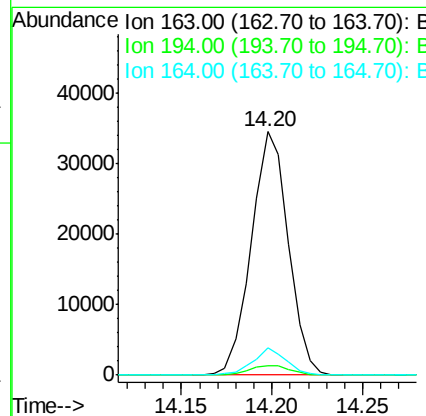
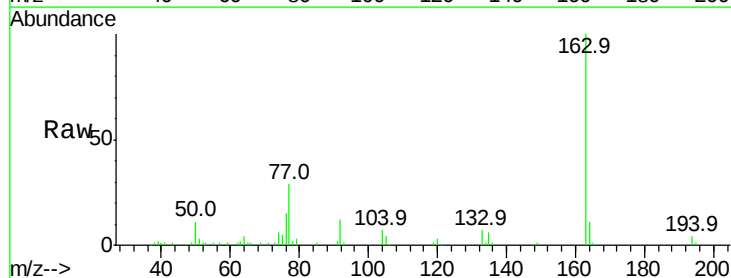
Instrument :
 BNA_G
 ClientSampleId :
 DUP-1-20160223

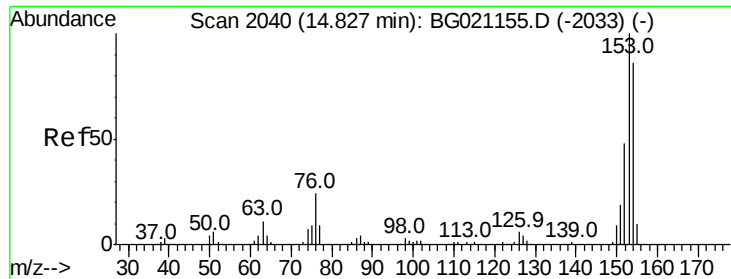
Tot Ion	Ratio	Lower	Upper
172	100		
171	37.5	29.4	44.0
170	24.3	19.8	29.8



#49
 Dimethylphthalate
 Concen: 15.56 ng
 RT: 14.20 min Scan# 1933
 Delta R.T. -0.02 min
 Lab File: BG021198.D
 Acq: 2 Mar 2016 00:22

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.1	2.8	4.2
164	11.4	7.9	11.9





#51

Acenaphthene

Concen: 4.53 ng

RT: 14.82 min Scan# 2039

Delta R.T. -0.01 min

Lab File: BG021198.D

Acq: 2 Mar 2016 00:22

Instrument :

BNA_G

ClientSampleId :

DUP-1-20160223

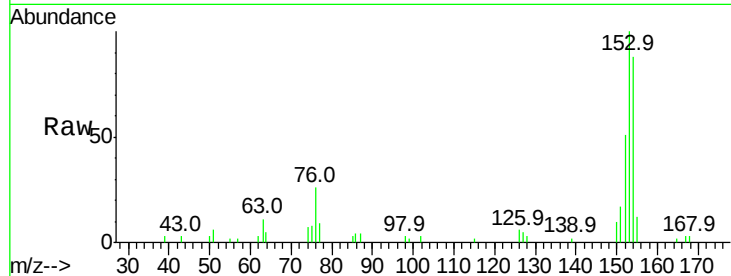
Tot Ion:154 Resp: 10595

Ion Ratio Lower Upper

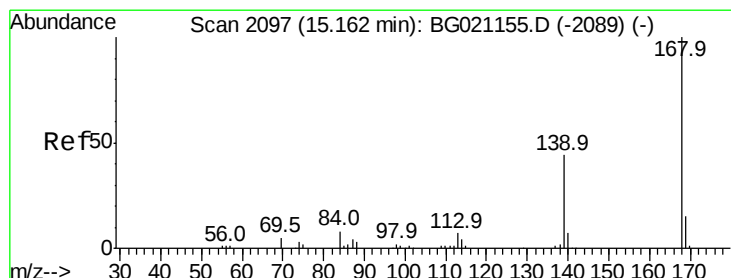
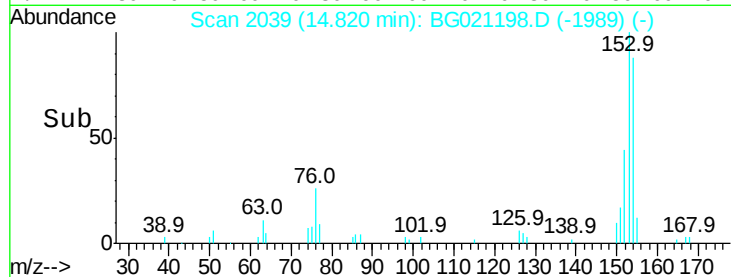
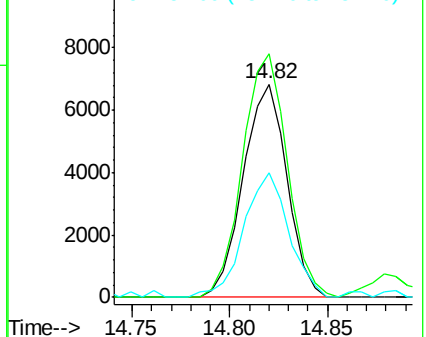
154 100

153 114.2 94.2 141.2

152 58.5 42.9 64.3



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: 3.29 ng

RT: 15.15 min Scan# 2095

Delta R.T. -0.01 min

Lab File: BG021198.D

Acq: 2 Mar 2016 00:22

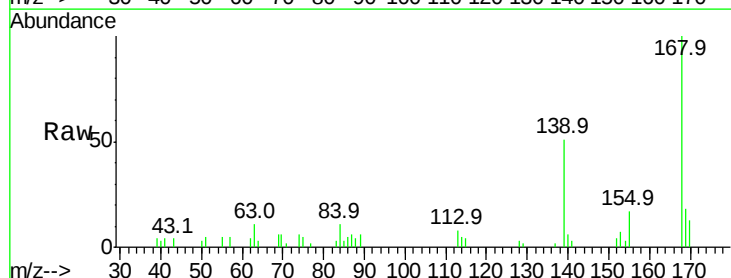
Tgt Ion:168 Resp: 10263

Ion Ratio Lower Upper

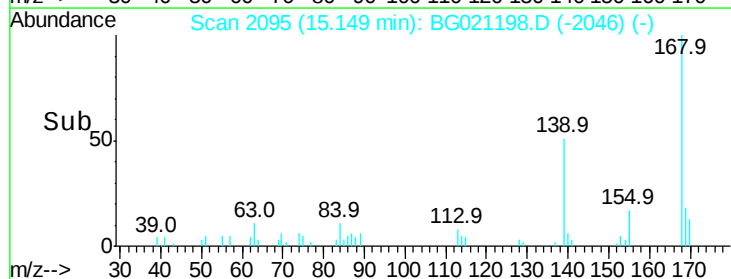
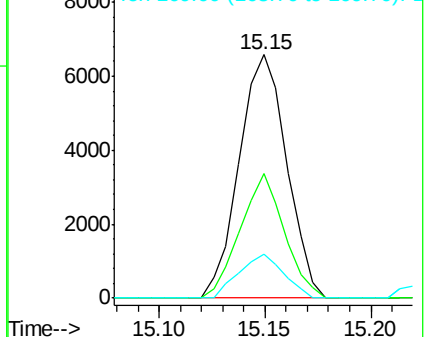
168 100

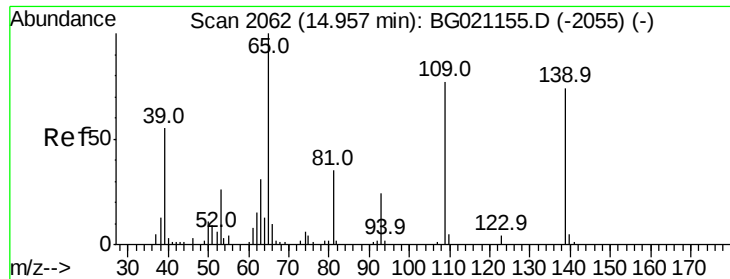
139 51.0 29.8 44.8#

169 18.1 11.4 17.2#



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: 8.02 ng

RT: 15.15 min Scan# 2095

Delta R.T. 0.19 min

Lab File: BG021198.D

Acq: 2 Mar 2016 00:22

Instrument :

BNA_G

ClientSampleId :

DUP-1-20160223

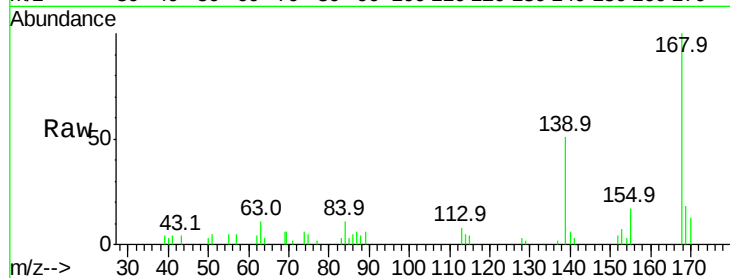
Tot Ion:139 Resp: 4847

Ion Ratio Lower Upper

139 100

109 0.0 54.1 94.1#

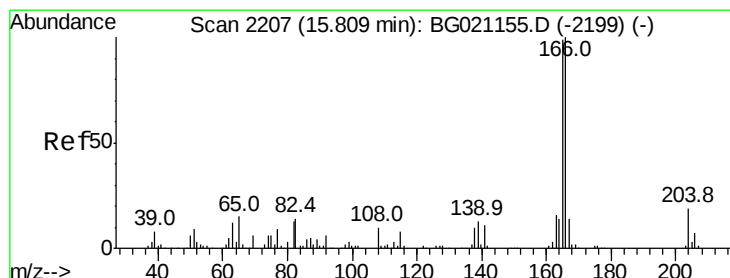
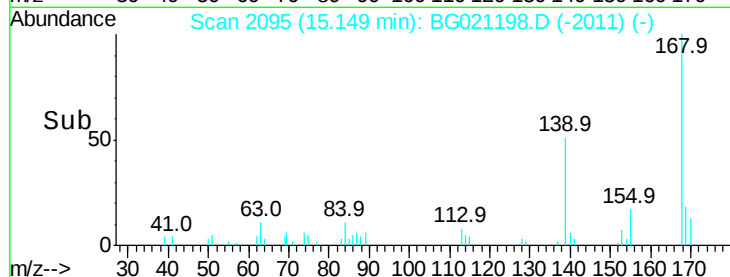
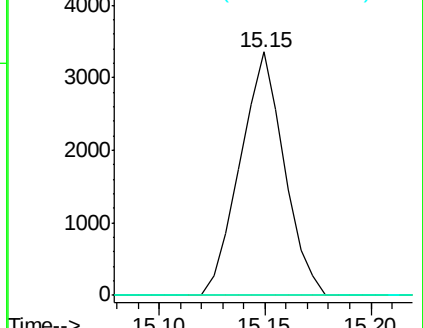
65 0.0 73.4 113.4#



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



#57

Fluorene

Concen: 5.47 ng

RT: 15.80 min Scan# 2205

Delta R.T. -0.01 min

Lab File: BG021198.D

Acq: 2 Mar 2016 00:22

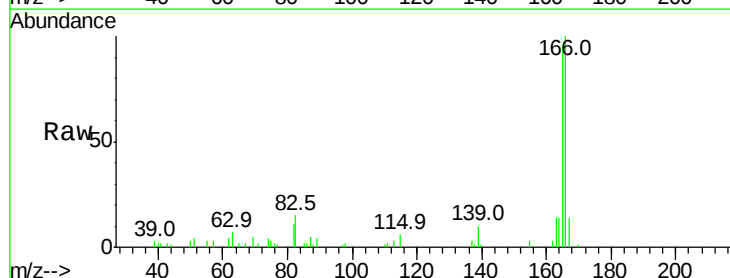
Tgt Ion:166 Resp: 16262

Ion Ratio Lower Upper

166 100

165 95.1 81.3 121.9

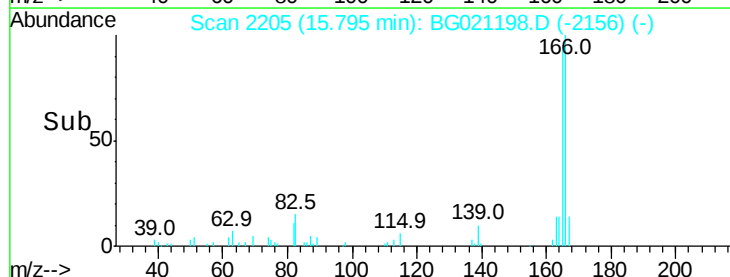
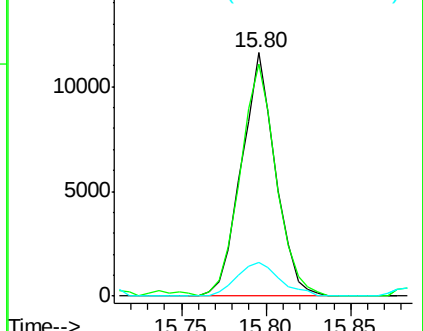
167 13.8 10.6 16.0

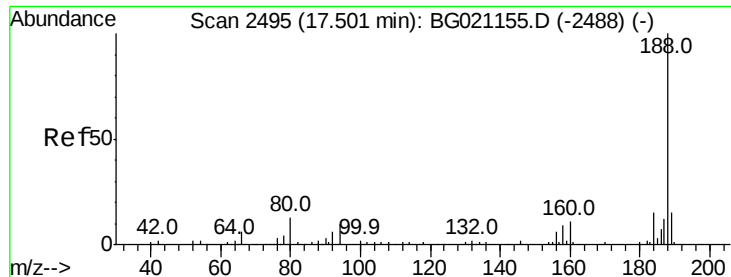


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.49 min Scan# 2494

Delta R.T. -0.01 min

Lab File: BG021198.D

Acq: 2 Mar 2016 00:22

Instrument :

BNA_G

ClientSampleId :

DUP-1-20160223

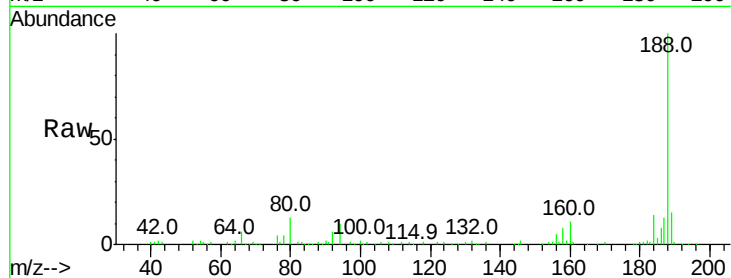
Tot Ion:188 Resp: 74743

Ion Ratio Lower Upper

188 100

94 9.7 8.2 12.4

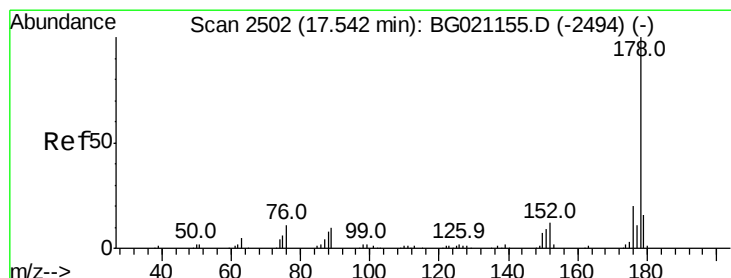
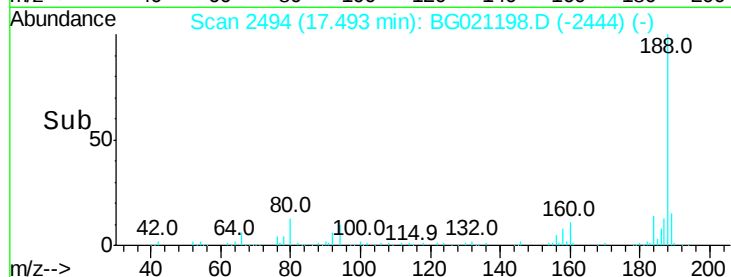
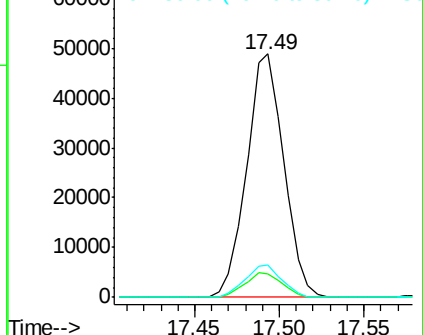
80 13.3 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): B

Ion 80.00 (79.70 to 80.70): B



#70

Phenanthrene

Concen: 57.40 ng

RT: 17.53 min Scan# 2501

Delta R.T. -0.01 min

Lab File: BG021198.D

Acq: 2 Mar 2016 00:22

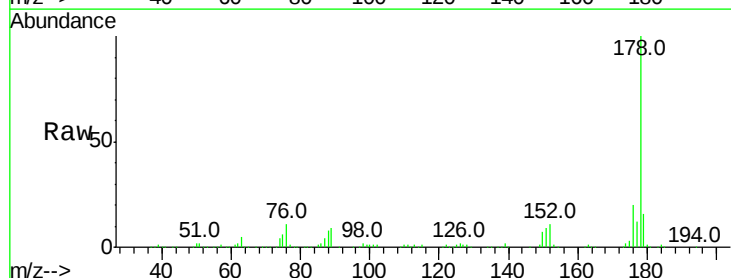
Tgt Ion:178 Resp: 231525

Ion Ratio Lower Upper

178 100

176 19.9 16.2 24.4

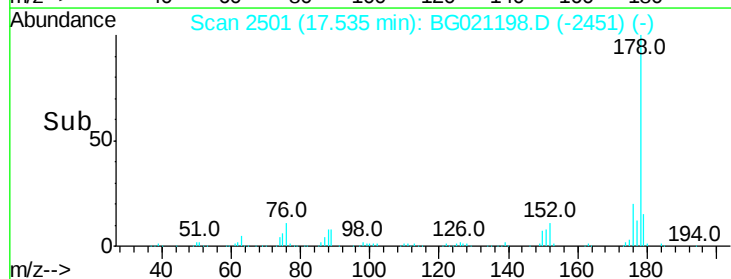
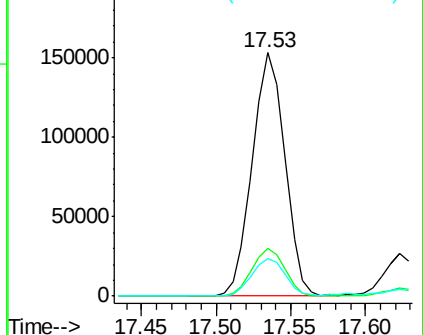
179 15.6 12.9 19.3

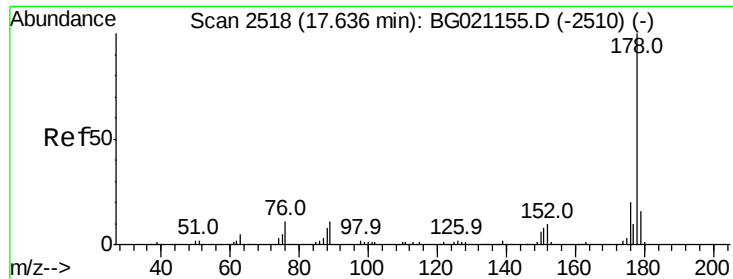


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 9.06 ng

RT: 17.62 min Scan# 2516

Delta R.T. -0.01 min

Lab File: BG021198.D

Acq: 2 Mar 2016 00:22

Instrument :

BNA_G

ClientSampleId :

DUP-1-20160223

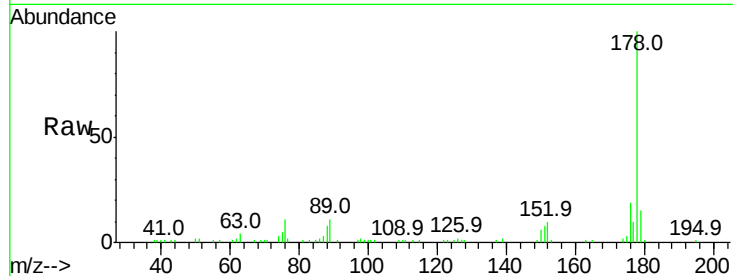
Tot Ion:178 Resp: 37379

Ion Ratio Lower Upper

178 100

176 19.5 14.8 22.2

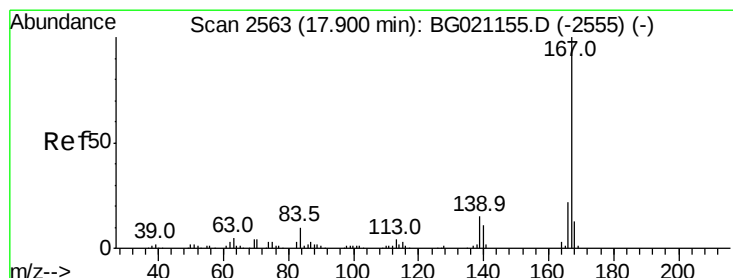
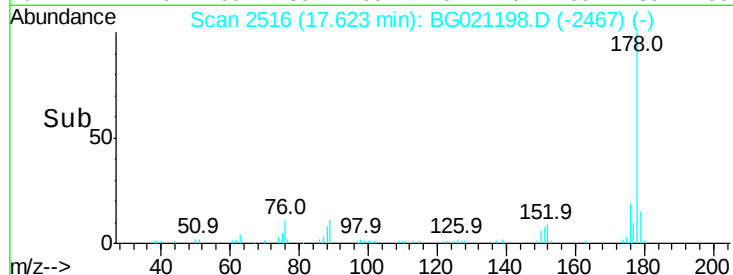
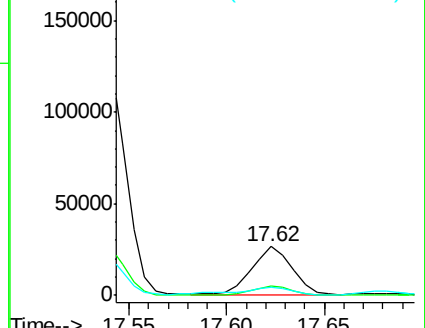
179 15.4 12.6 19.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 3.82 ng

RT: 17.89 min Scan# 2561

Delta R.T. -0.01 min

Lab File: BG021198.D

Acq: 2 Mar 2016 00:22

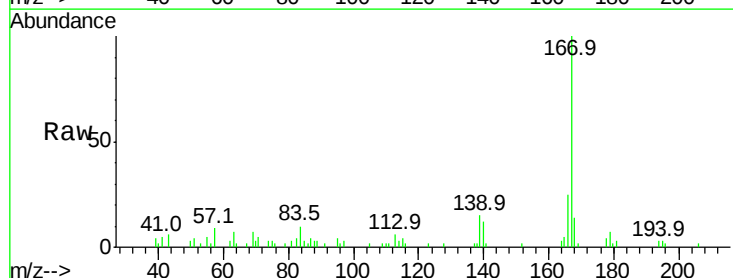
Tgt Ion:167 Resp: 13982

Ion Ratio Lower Upper

167 100

166 24.5 17.5 26.3

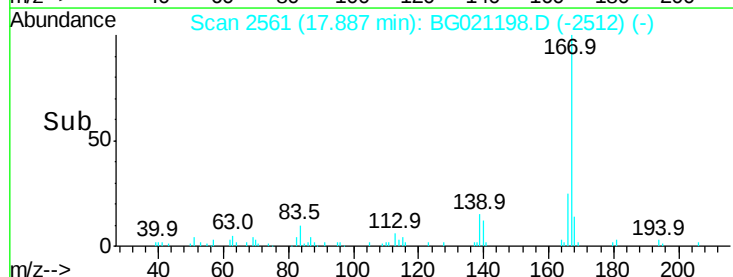
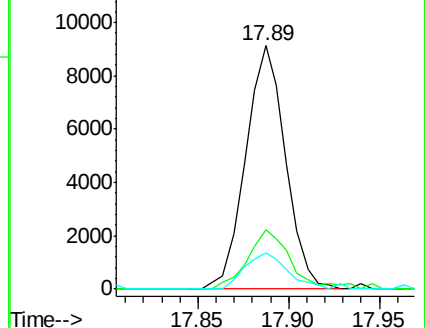
139 14.7 10.3 15.5

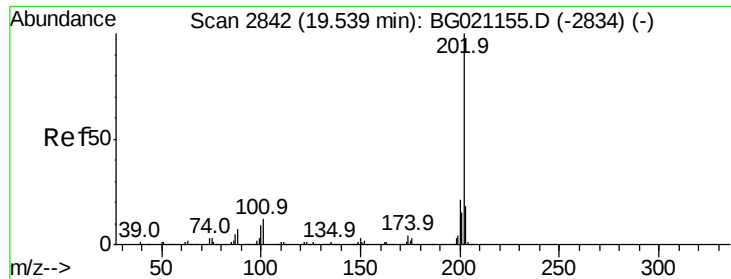


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 64.23 ng

RT: 19.53 min Scan# 2841

Delta R.T. -0.01 min

Lab File: BG021198.D

Acq: 2 Mar 2016 00:22

Instrument :

BNA_G

ClientSampleId :

DUP-1-20160223

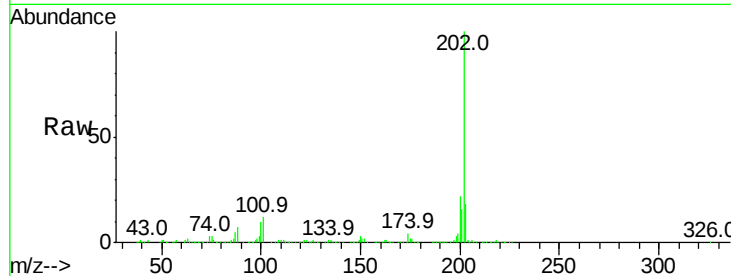
Tot Ion:202 Resp: 304395

Ion Ratio Lower Upper

202 100

101 11.9 0.0 32.5

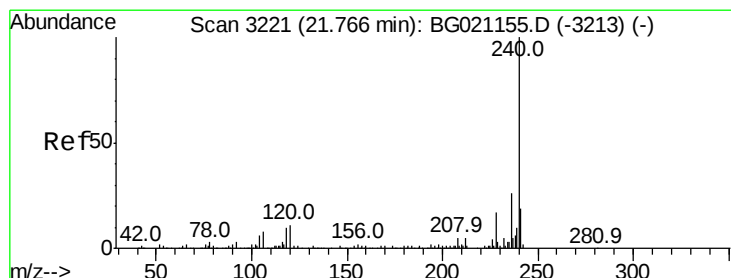
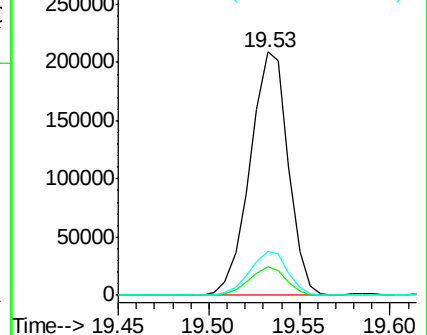
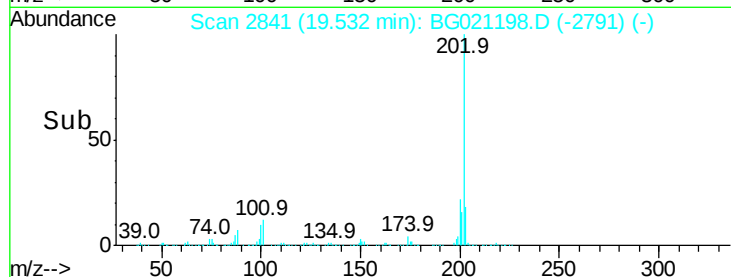
203 17.9 0.0 37.6



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: 21.76 min Scan# 3220

Delta R.T. -0.01 min

Lab File: BG021198.D

Acq: 2 Mar 2016 00:22

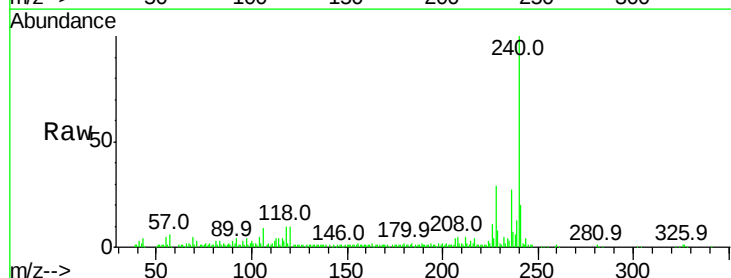
Tgt Ion:240 Resp: 78779

Ion Ratio Lower Upper

240 100

120 9.8 7.5 11.3

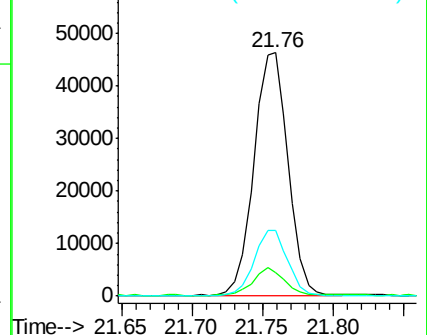
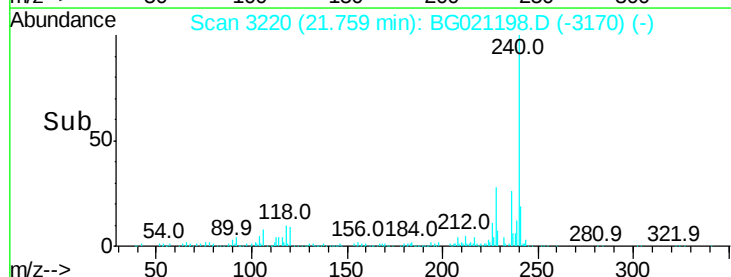
236 27.1 20.5 30.7

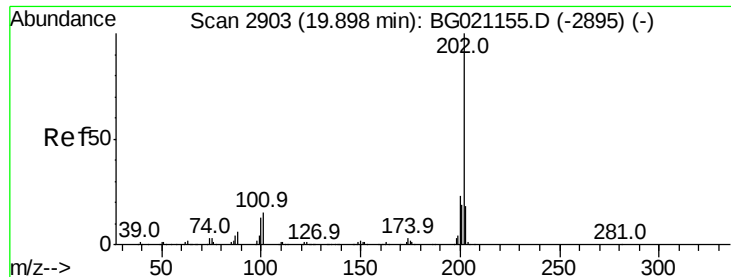


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 66.51 ng

RT: 19.90 min Scan# 2903

Delta R.T. -0.00 min

Lab File: BG021198.D

Acq: 2 Mar 2016 00:22

Instrument :

BNA_G

ClientSampleId :

DUP-1-20160223

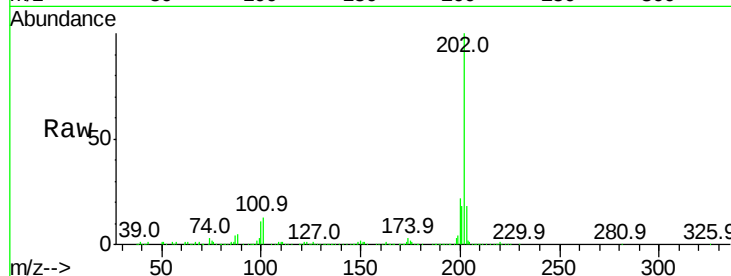
Tot Ion:202 Resp: 312575

Ion Ratio Lower Upper

202 100

200 21.8 16.6 25.0

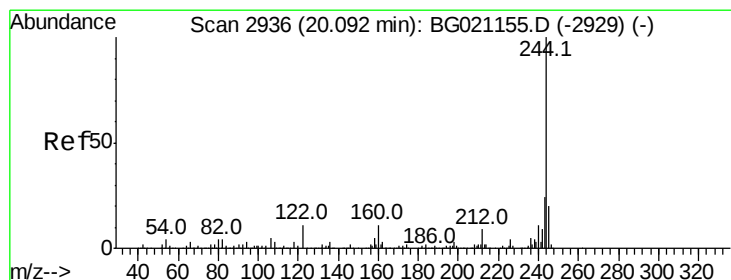
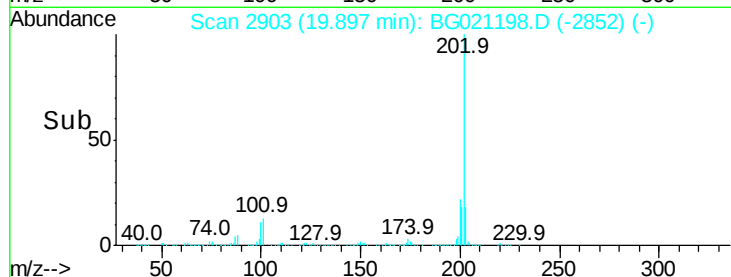
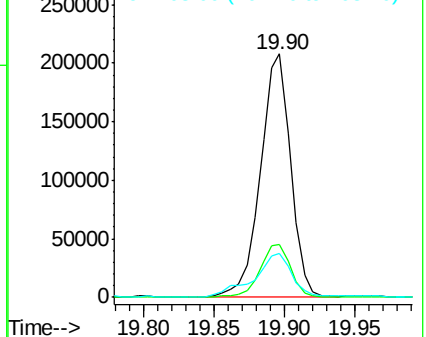
203 17.8 13.8 20.8



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: 86.38 ng

RT: 20.08 min Scan# 2935

Delta R.T. -0.01 min

Lab File: BG021198.D

Acq: 2 Mar 2016 00:22

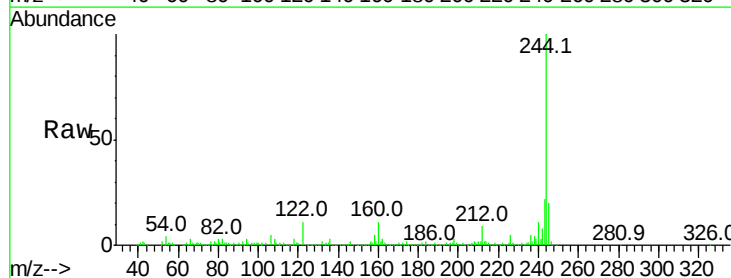
Tgt Ion:244 Resp: 280890

Ion Ratio Lower Upper

244 100

212 8.8 5.8 8.6#

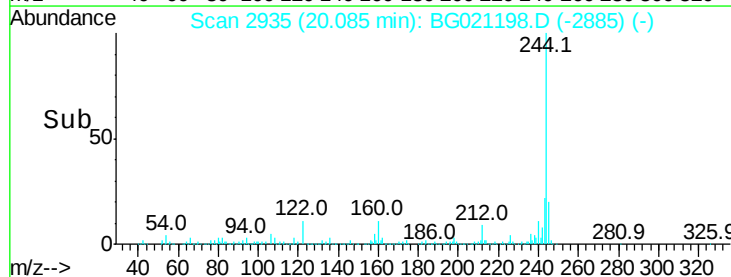
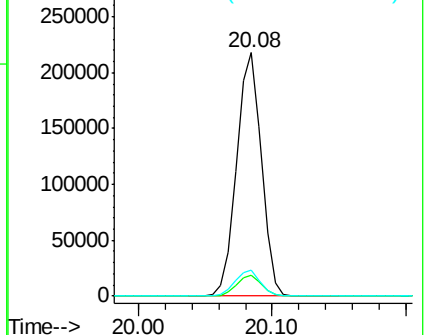
122 10.9 8.3 12.5

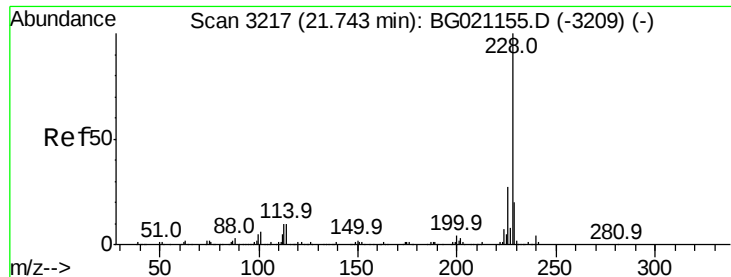


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 32.02 ng

RT: 21.74 min Scan# 3216

Delta R.T. -0.01 min

Lab File: BG021198.D

Acq: 2 Mar 2016 00:22

Instrument :

BNA_G

ClientSampleId :

DUP-1-20160223

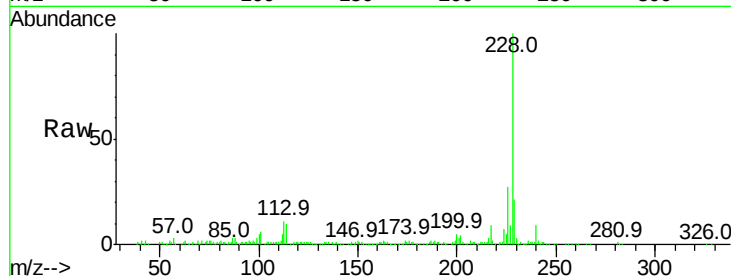
Tot Ion:228 Resp: 149341

Ion	Ratio	Lower	Upper
228	100		
226	27.4	22.7	34.1
229	21.4	15.5	23.3

228 100

226 27.4 22.7 34.1

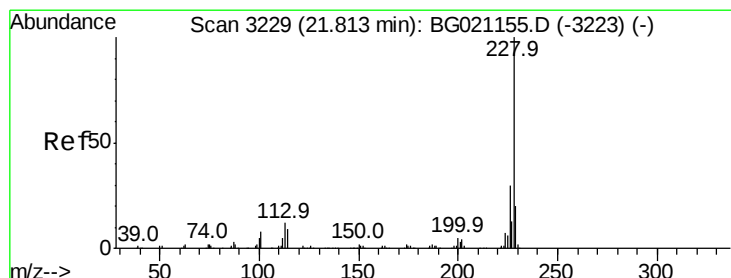
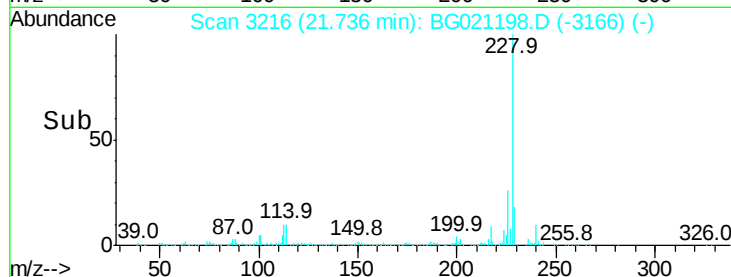
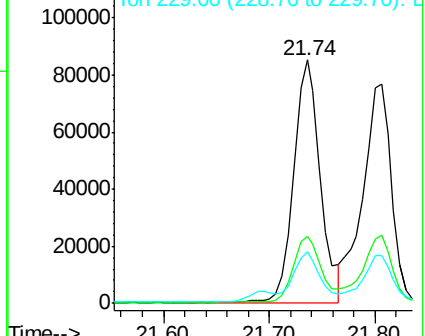
229 21.4 15.5 23.3



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



#82

Chrysene

Concen: 32.69 ng

RT: 21.81 min Scan# 3228

Delta R.T. -0.01 min

Lab File: BG021198.D

Acq: 2 Mar 2016 00:22

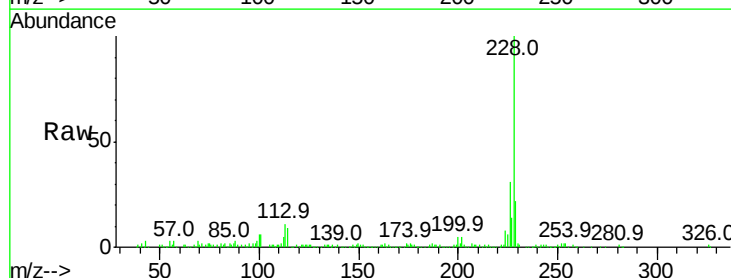
Tgt Ion:228 Resp: 144493

Ion	Ratio	Lower	Upper
228	100		
226	31.3	23.7	35.5
229	22.0	16.7	25.1

228 100

226 31.3 23.7 35.5

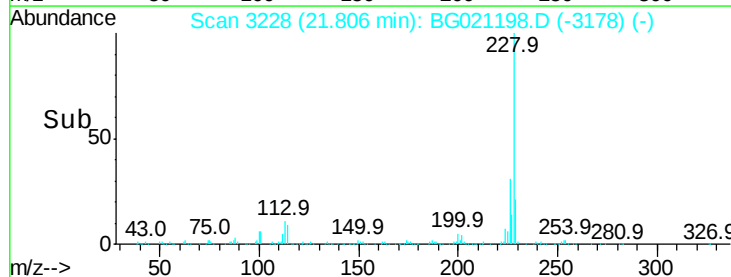
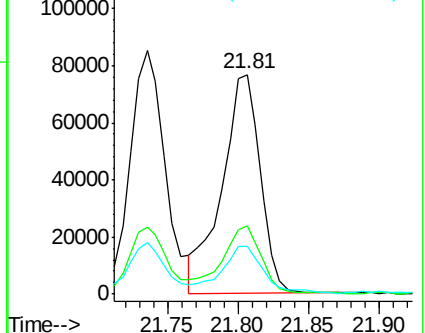
229 22.0 16.7 25.1

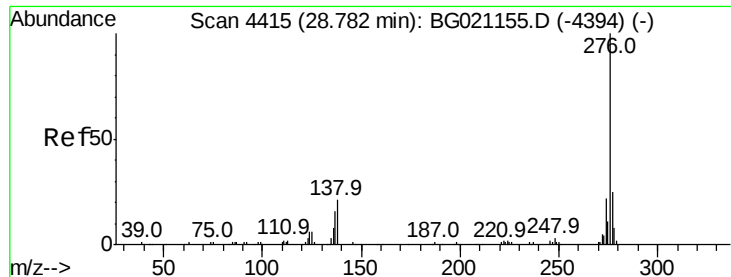


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

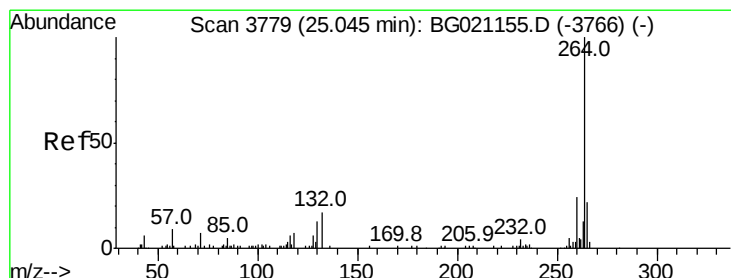
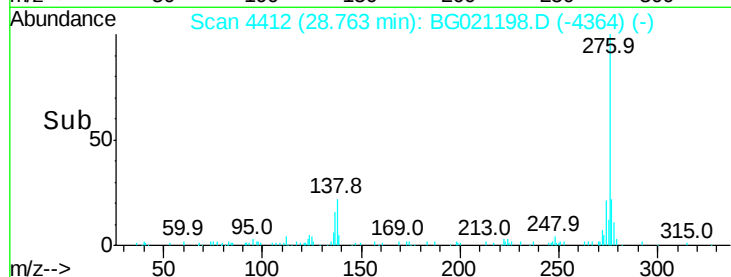
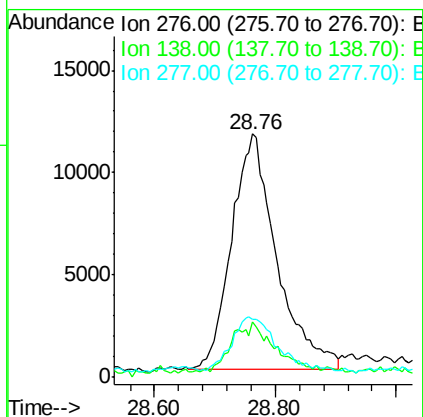
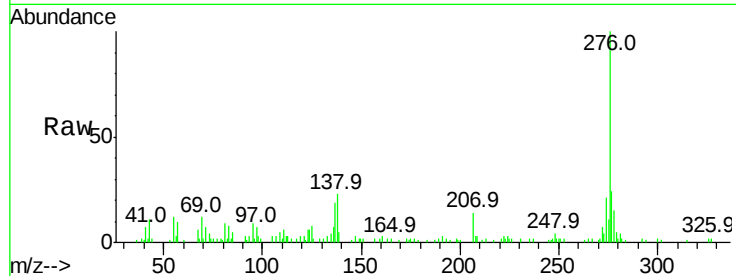




#85
Indeno(1,2,3-cd)pyrene
Concen: 11.75 ng
RT: 28.76 min Scan# 4412
Delta R.T. -0.02 min
Lab File: BG021198.D
Acq: 2 Mar 2016 00:22

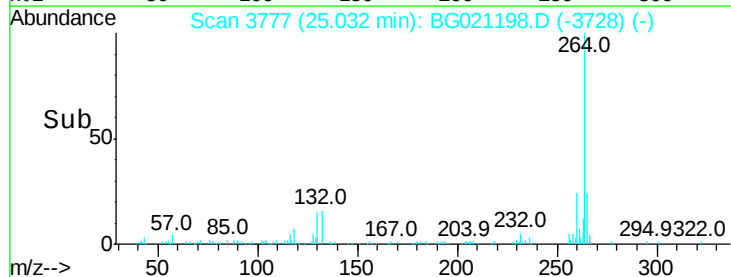
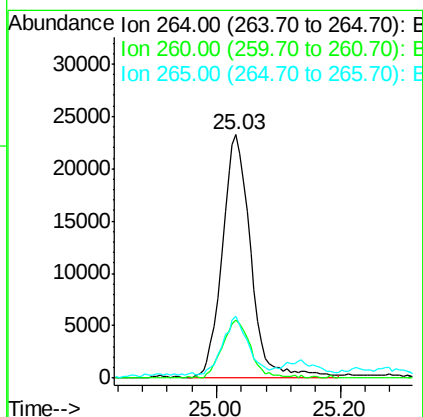
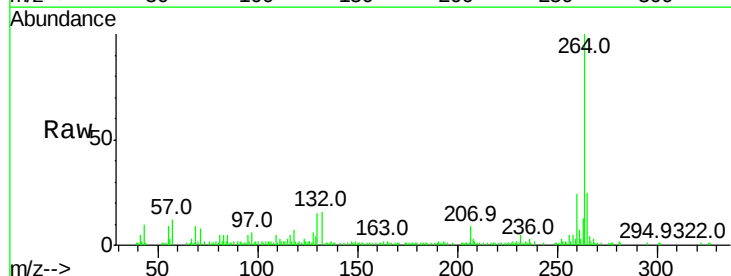
Instrument :
BNA_G
ClientSampleId :
DUP-1-20160223

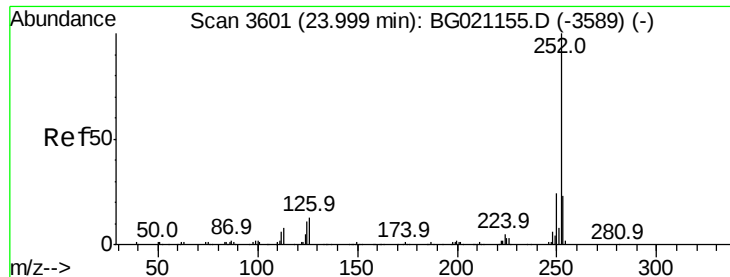
Tot Ion:276 Resp: 59540
Ion Ratio Lower Upper
276 100
138 0.0 0.0 0.0
277 22.1 0.0 0.0#



#86
Perylene-d12
Concen: 20.00 ng
RT: 25.03 min Scan# 3777
Delta R.T. -0.01 min
Lab File: BG021198.D
Acq: 2 Mar 2016 00:22

Tgt Ion:264 Resp: 74776
Ion Ratio Lower Upper
264 100
260 23.6 18.5 27.7
265 25.4 18.6 28.0





#87

Benzo(b)fluoranthene

Concen: 32.90 ng

RT: 23.99 min Scan# 3600

Delta R.T. -0.01 min

Lab File: BG021198.D

Acq: 2 Mar 2016 00:22

Instrument :

BNA_G

ClientSampleId :

DUP-1-20160223

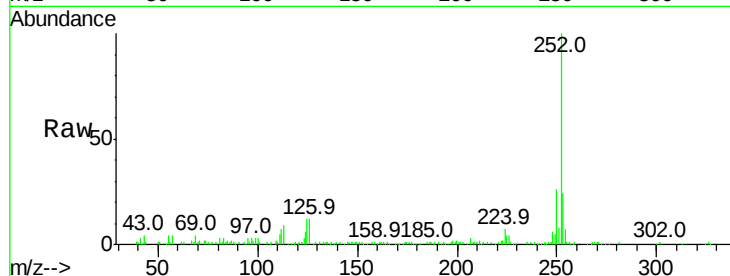
Tot Ion:252 Resp: 154743

Ion Ratio Lower Upper

252 100

253 24.0 16.8 25.2

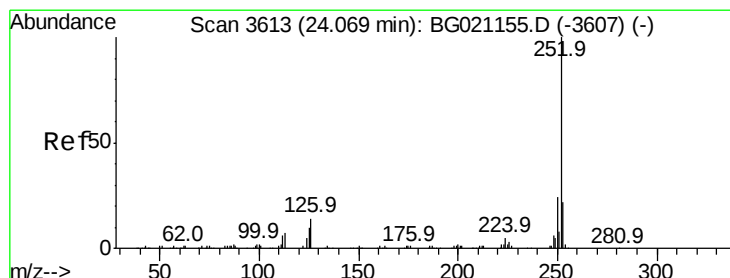
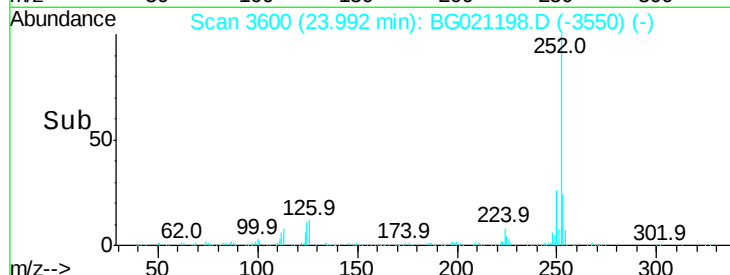
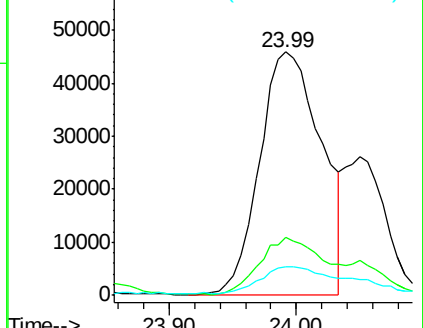
125 11.8 8.2 12.2



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: 32.85 ng

RT: 23.99 min Scan# 3600

Delta R.T. -0.08 min

Lab File: BG021198.D

Acq: 2 Mar 2016 00:22

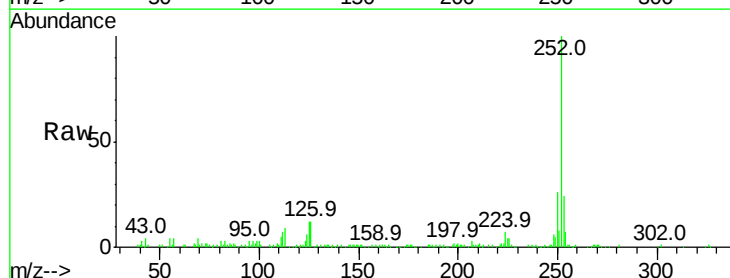
Tgt Ion:252 Resp: 154743

Ion Ratio Lower Upper

252 100

253 24.0 16.4 24.6

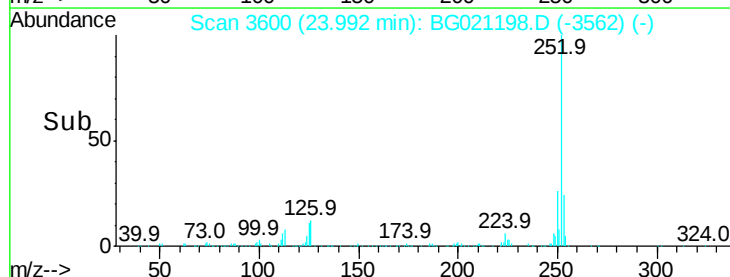
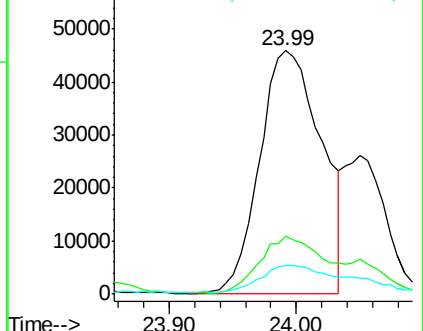
125 11.8 8.2 12.2

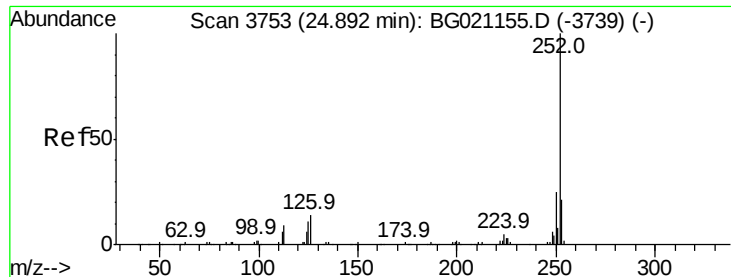


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 27.26 ng

RT: 24.88 min Scan# 3751

Delta R.T. -0.01 min

Lab File: BG021198.D

Acq: 2 Mar 2016 00:22

Instrument :

BNA_G

ClientSampleId :

DUP-1-20160223

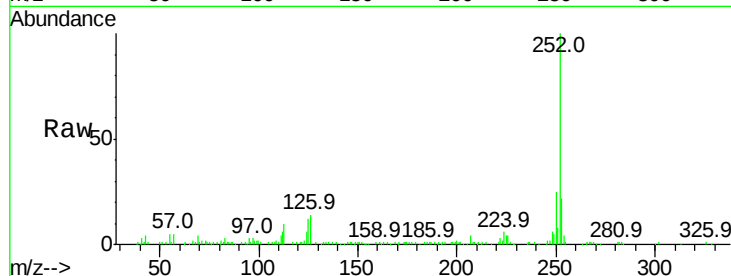
Tot Ion:252 Resp: 123958

Ion Ratio Lower Upper

252 100

253 22.4 15.8 23.8

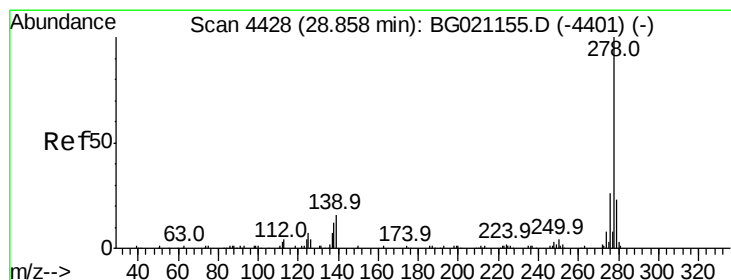
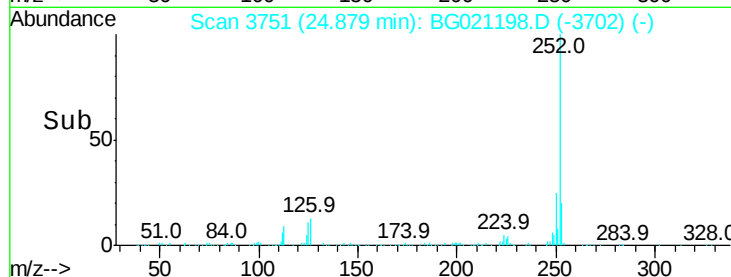
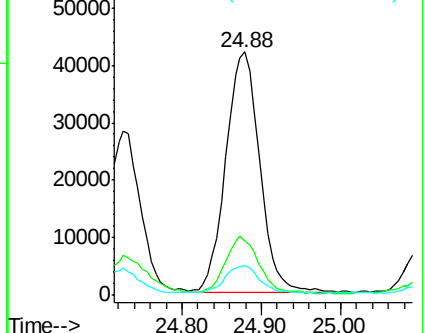
125 12.0 8.4 12.6



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: 3.65 ng

RT: 28.80 min Scan# 4419

Delta R.T. -0.05 min

Lab File: BG021198.D

Acq: 2 Mar 2016 00:22

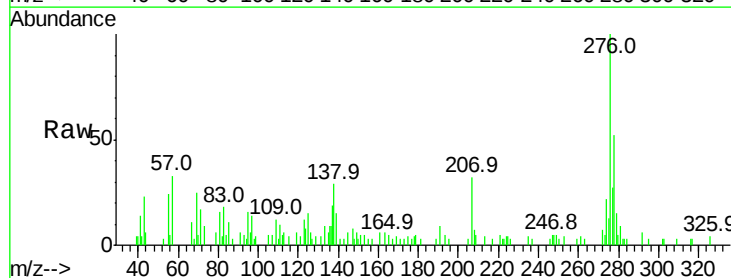
Tgt Ion:278 Resp: 16400

Ion Ratio Lower Upper

278 100

139 28.8 10.6 15.8#

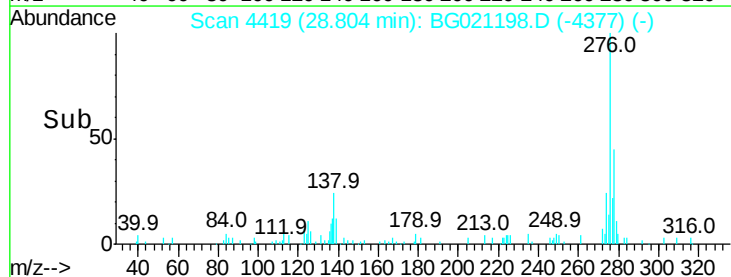
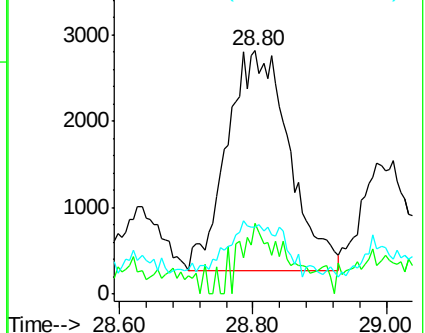
279 27.7 19.7 29.5

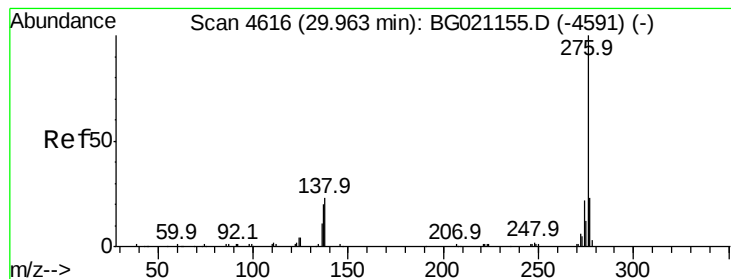


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(a,h,i)perylene

Concen: 12.87 ng

RT: 29.93 min Scan# 4611

Delta R.T. -0.03 min

Lab File: BG021198.D

Acq: 2 Mar 2016 00:22

Instrument :

BNA_G

ClientSampleId :

DUP-1-20160223

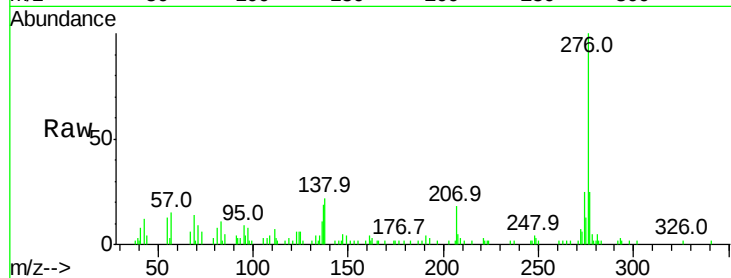
Tot Ion:276 Resp: 55926

Ion Ratio Lower Upper

276 100

277 25.5 16.6 25.0#

138 22.0 14.6 21.8#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

