

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060616\
 Data File : BG022181.D
 Acq On : 6 Jun 2016 23:07
 Operator : UM/SJ
 Sample : PB91112BL
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB91112BL

Quant Time: Jun 07 03:22:44 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 06 16:12:45 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.12	152	25346	20.00	ng	0.00
21) Naphthalene-d8	10.94	136	115482	20.00	ng	0.00
38) Acenaphthene-d10	14.75	164	72267	20.00	ng	0.00
63) Phenanthrene-d10	17.49	188	174235	20.00	ng	0.00
75) Chrysene-d12	21.77	240	182490	20.00	ng	0.00
86) Perylene-d12	25.06	264	176433	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.67	112	206072	157.20	ng	0.00
7) Phenol-d6	7.28	99	276443	134.12	ng	0.00
23) Nitrobenzene-d5	9.29	82	137095	82.77	ng	0.00
41) 2,4,6-Tribromophenol	16.24	330	108763	133.19	ng	0.00
44) 2-Fluorobiphenyl	13.37	172	405636	85.54	ng	0.00
78) Terphenyl-d14	20.08	244	711939	92.62	ng	0.00

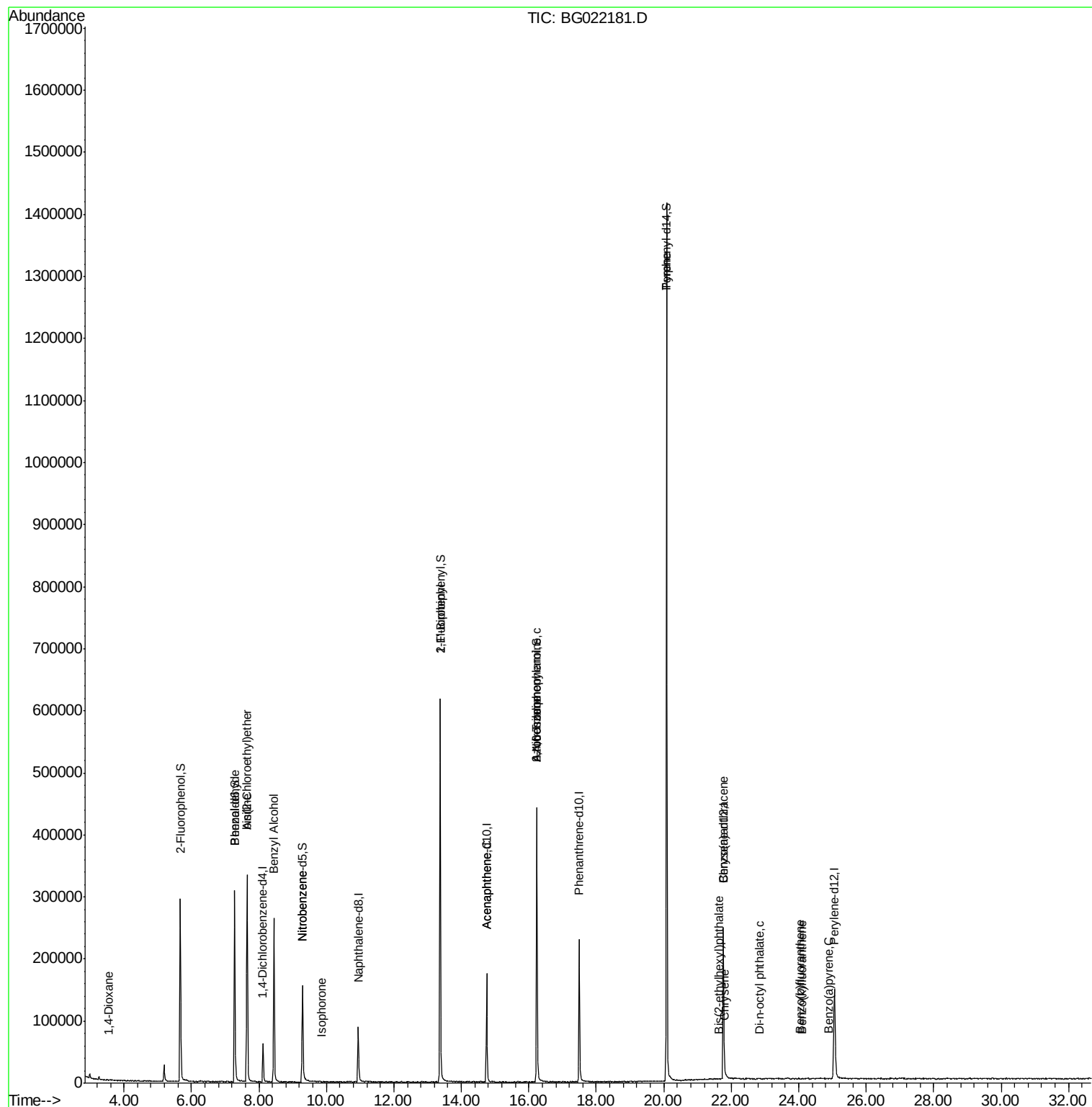
Target Compounds						Qvalue
2) 1,4-Dioxane	3.53	88	55	0.09	ng	# 1
6) Aniline	7.64	93	137	0.05	ng	# 1
9) Benzaldehyde	7.28	77	68	0.06	ng	# 7
11) bis(2-Chloroethyl)ether	7.64	93	137	0.08	ng	# 1
15) Benzyl Alcohol	8.45	79	2155	1.62	ng	# 47
24) Nitrobenzene	9.30	77	113	0.07	ng	# 43
25) Isophorone	9.86	82	330	0.09	ng	# 67
45) 1,1'-Biphenyl	13.37	154	573	0.11	ng	# 1
51) Acenaphthene	14.75	154	273	0.06	ng	# 4
62) Azobenzene	16.23	77	404	0.08	ng	# 41
65) n-Nitrosodiphenylamine	16.23	169	3740	0.75	ng	# 45
77) Pyrene	20.08	202	2383	0.21	ng	# 72
80) Benzo(a)anthracene	21.76	228	470	0.05	ng	# 51
82) Chrysene	21.81	228	440	0.04	ng	# 48
83) Bis(2-ethylhexyl)phthalate	21.62	149	126	0.02	ng	# 52
84) Di-n-octyl phthalate	22.85	149	59	0.00	ng	# 72
87) Benzo(b)fluoranthene	24.04	252	54	0.01	ng	# 60
88) Benzo(k)fluoranthene	24.09	252	54	0.01	ng	# 59
89) Benzo(a)pyrene	24.90	252	69	0.01	ng	# 60

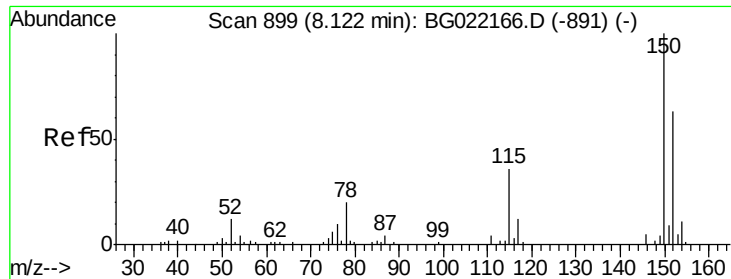
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.12 min Scan# 899

Delta R.T. -0.00 min

Lab File: BG022181.D

Acq: 6 Jun 2016 23:07

Instrument :

BNA_G

ClientSampleId :

PB91112BL

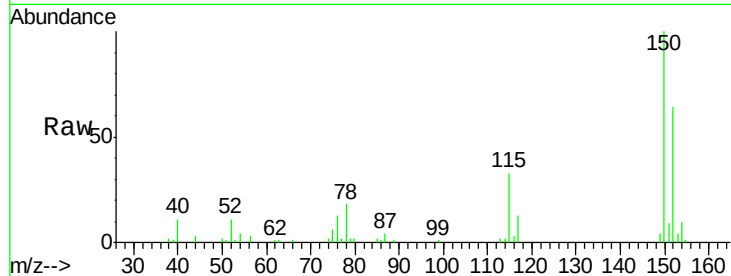
Tgt Ion:152 Resp: 25346

Ion Ratio Lower Upper

152 100

150 155.7 130.1 195.1

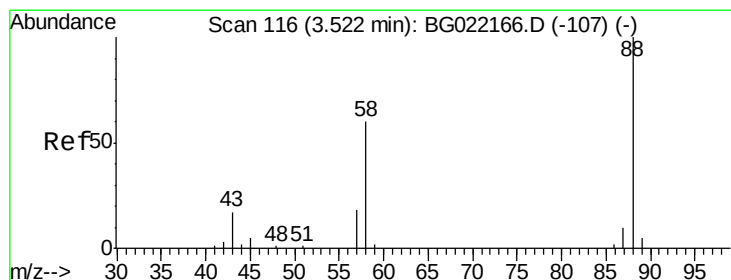
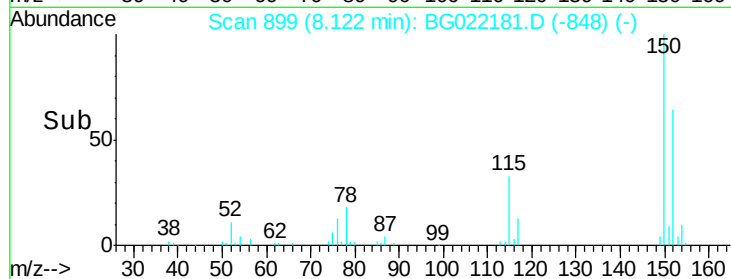
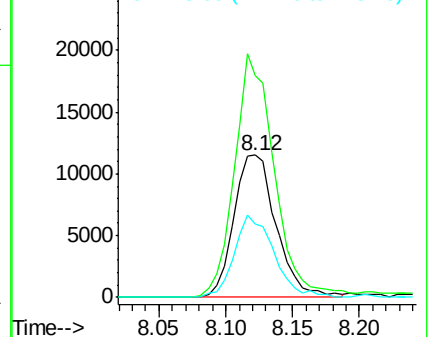
115 51.7 62.2 93.2#



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



#2

1,4-Dioxane

Concen: 0.09 ng

RT: 3.53 min Scan# 118

Delta R.T. 0.01 min

Lab File: BG022181.D

Acq: 6 Jun 2016 23:07

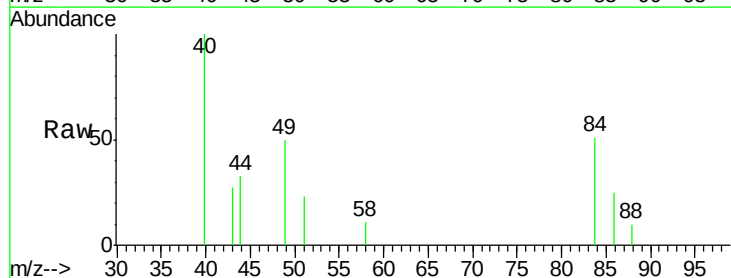
Tgt Ion: 88 Resp: 55

Ion Ratio Lower Upper

88 100

58 754.5 36.8 55.2#

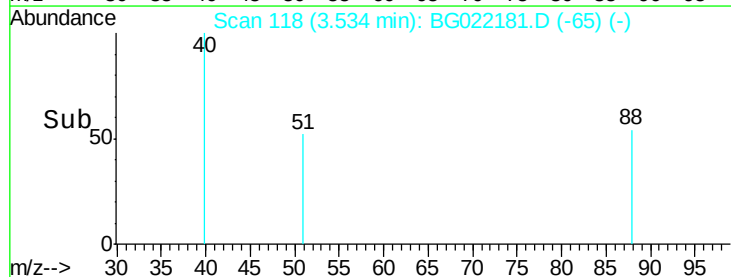
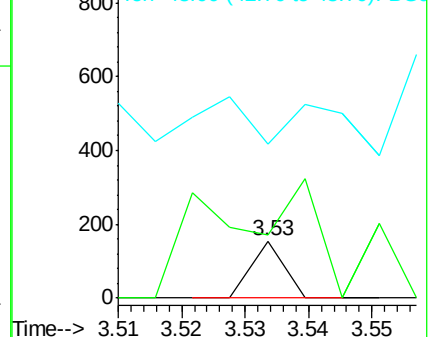
43 0.0 10.4 15.6#

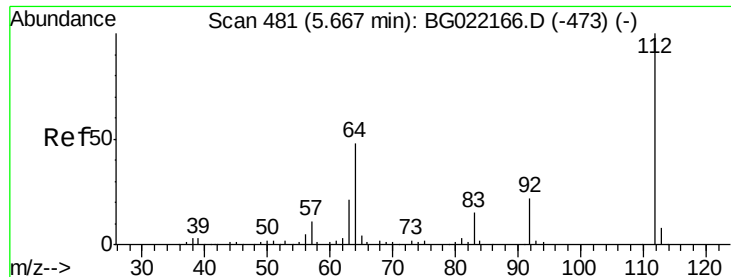


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 157.20 ng

RT: 5.67 min Scan# 481

Delta R.T. 0.00 min

Lab File: BG022181.D

Acq: 6 Jun 2016 23:07

Instrument :

BNA_G

ClientSampled :

PB91112BL

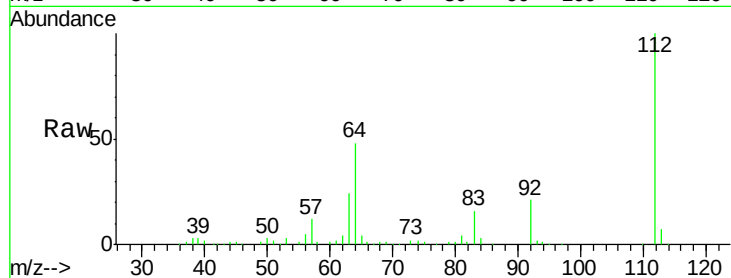
Tgt Ion: 112 Resp: 206072

Ion Ratio Lower Upper

112 100

64 48.4 51.1 76.7#

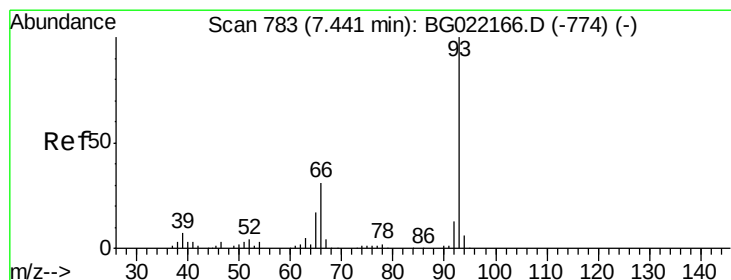
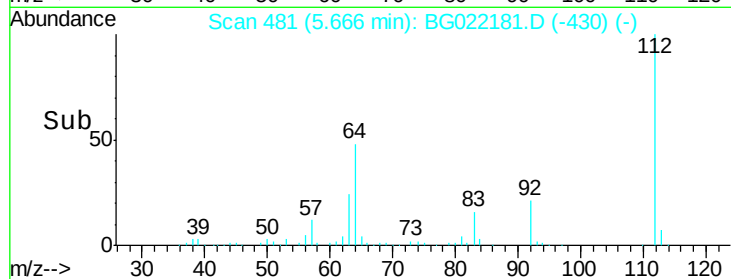
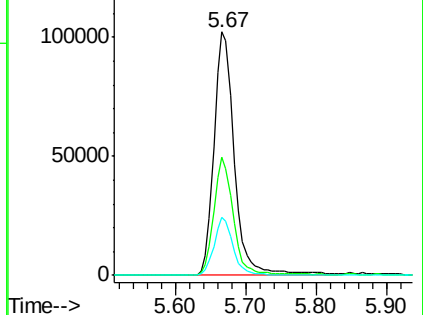
63 23.7 24.6 37.0#



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#6

Aniline

Concen: 0.05 ng

RT: 7.64 min Scan# 817

Delta R.T. 0.20 min

Lab File: BG022181.D

Acq: 6 Jun 2016 23:07

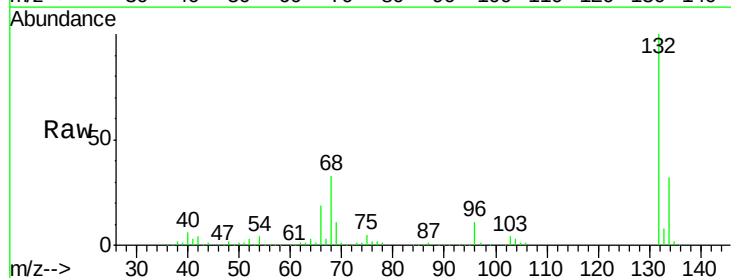
Tgt Ion: 93 Resp: 137

Ion Ratio Lower Upper

93 100

66 9164.7 36.3 54.5#

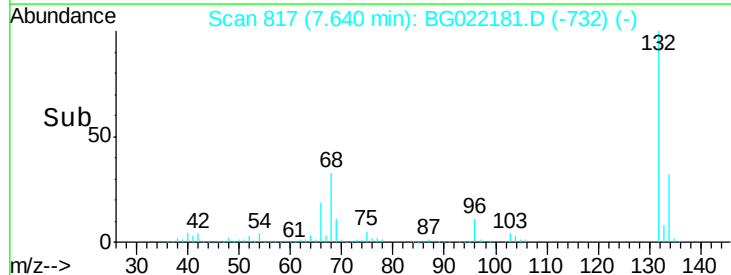
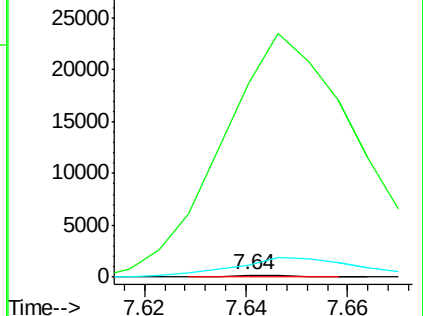
65 585.8 18.4 27.6#

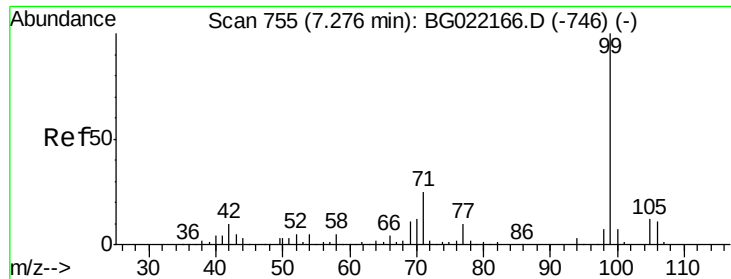


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 134.12 ng

RT: 7.28 min Scan# 755

Delta R.T. -0.00 min

Lab File: BG022181.D

Acq: 6 Jun 2016 23:07

Instrument :

BNA_G

ClientSampleId :

PB91112BL

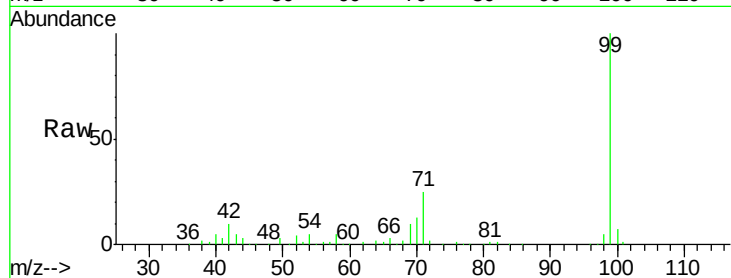
Tgt Ion: 99 Resp: 276443

Ion Ratio Lower Upper

99 100

42 10.2 16.4 24.6#

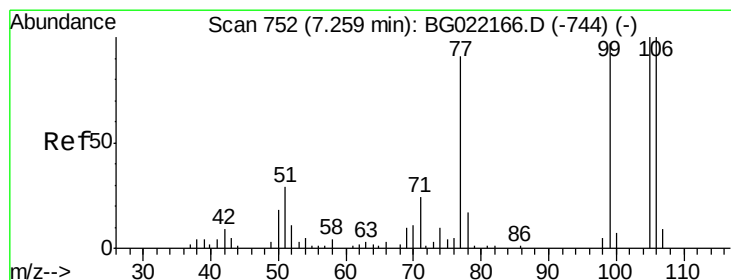
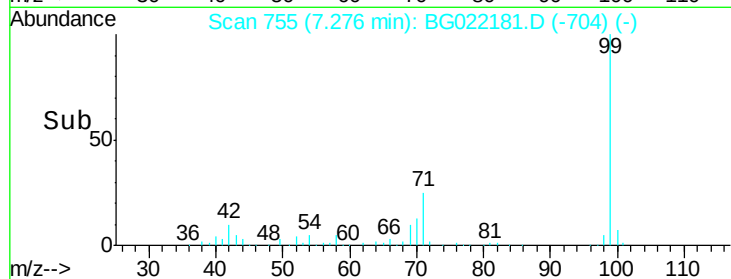
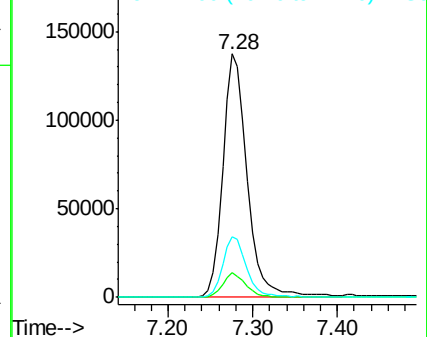
71 24.9 25.0 37.4#



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



#9

Benzaldehyde

Concen: 0.06 ng

RT: 7.28 min Scan# 755

Delta R.T. 0.02 min

Lab File: BG022181.D

Acq: 6 Jun 2016 23:07

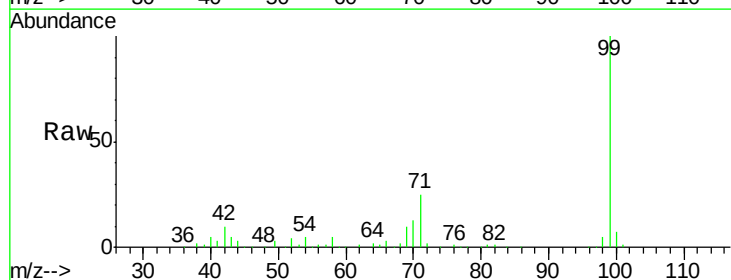
Tgt Ion: 77 Resp: 68

Ion Ratio Lower Upper

77 100

105 0.0 62.1 102.1#

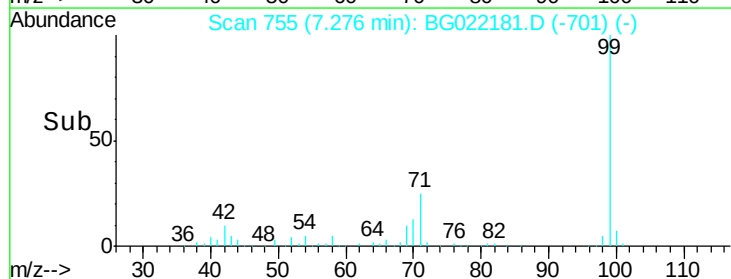
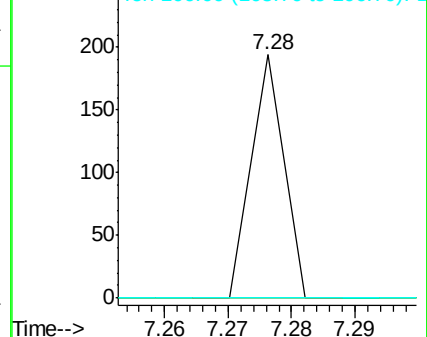
106 0.0 65.6 105.6#

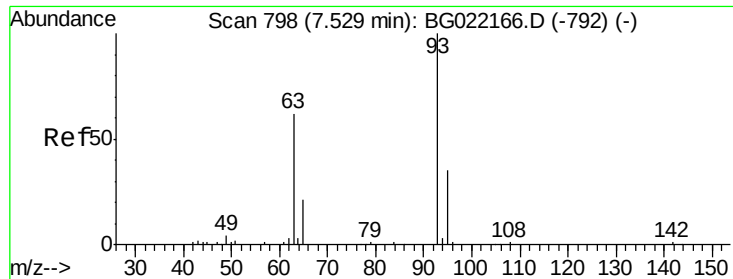


Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 106.00 (105.70 to 106.70): BGC

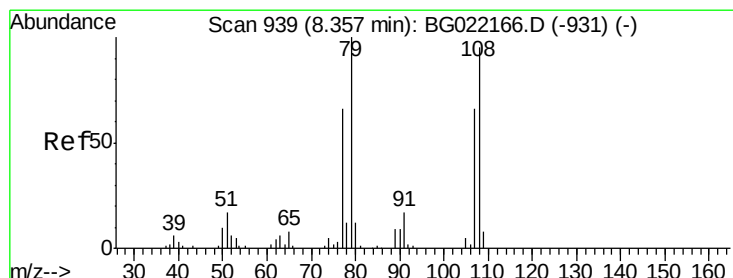
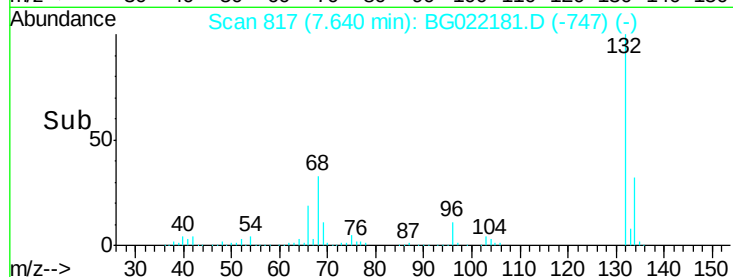
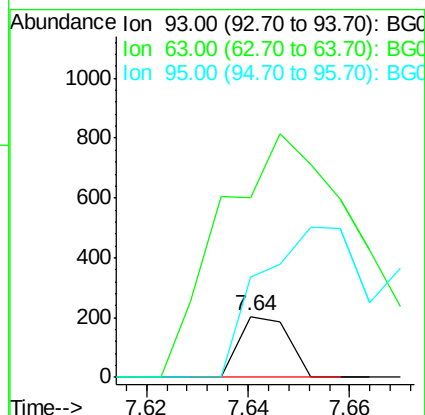
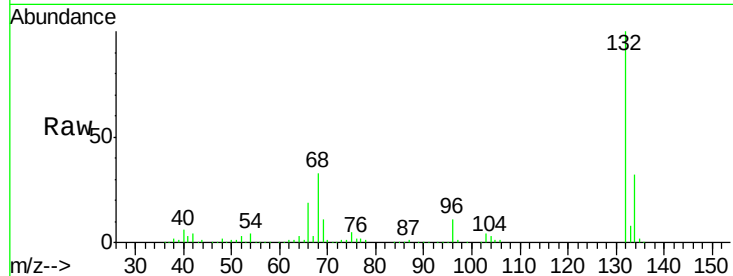




#11
bis(2-Chloroethyl)ether
Concen: 0.08 ng
RT: 7.64 min Scan# 817
Delta R.T. 0.11 min
Lab File: BG022181.D
Acq: 6 Jun 2016 23:07

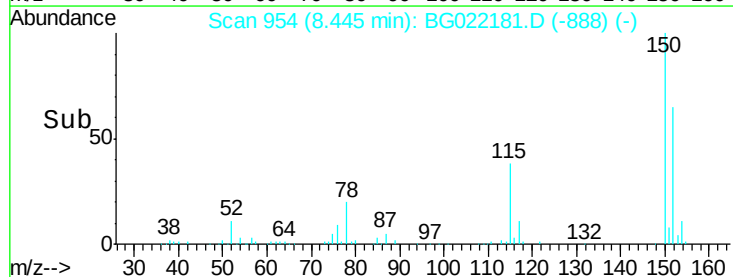
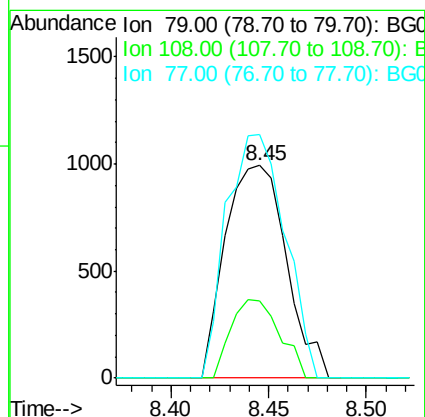
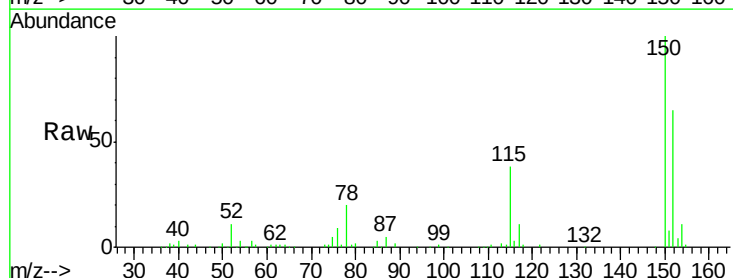
Instrument :
BNA_G
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PB91112BL

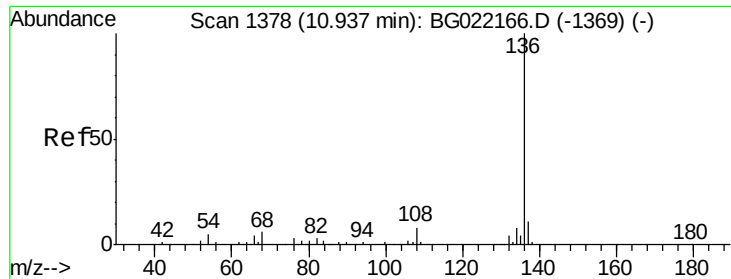
Tgt Ion: 93 Resp: 137
Ion Ratio Lower Upper
93 100
63 294.6 74.9 114.9#
95 164.2 8.3 48.3#



#15
Benzyl Alcohol
Concen: 1.62 ng
RT: 8.45 min Scan# 954
Delta R.T. 0.09 min
Lab File: BG022181.D
Acq: 6 Jun 2016 23:07

Tgt Ion: 79 Resp: 2155
Ion Ratio Lower Upper
79 100
108 36.4 59.4 89.0#
77 114.6 52.2 78.2#

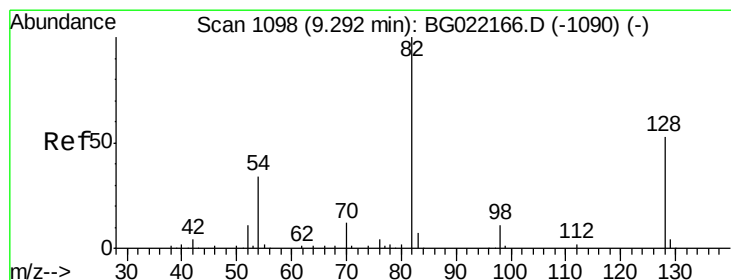
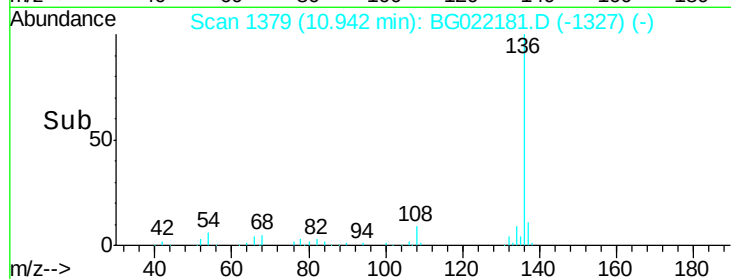
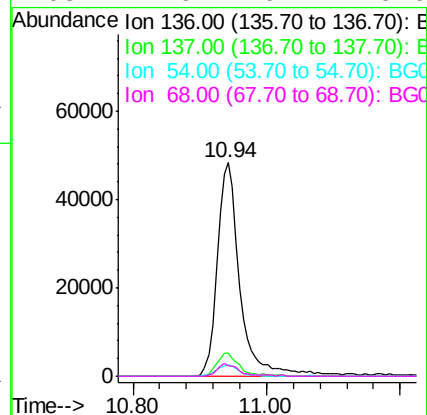
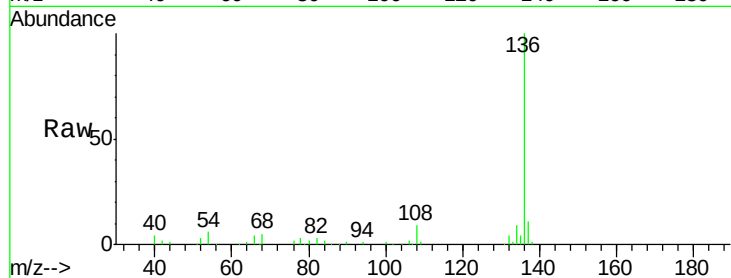




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.94 min Scan# 1379
Delta R.T. 0.01 min
Lab File: BG022181.D
Acq: 6 Jun 2016 23:07

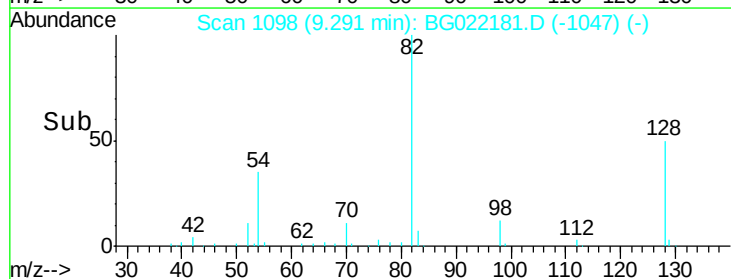
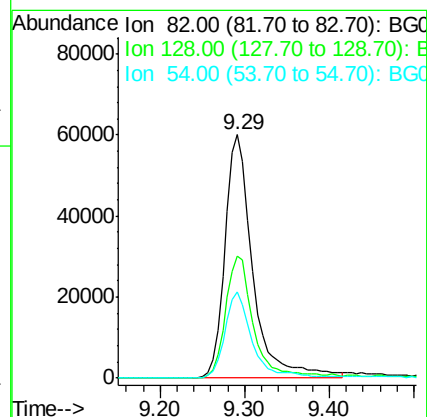
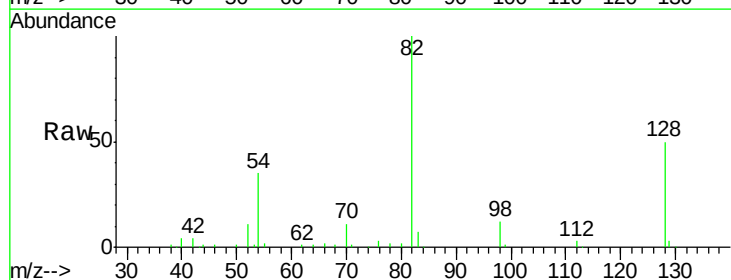
Instrument :
BNA_G
ClientSampleId :
PB91112BL

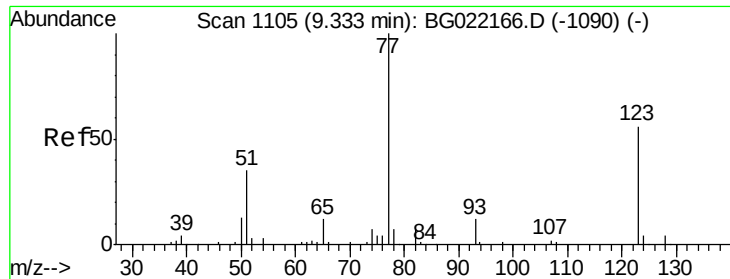
Tgt Ion:	136	Resp:	115482
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.0	13.4
54	5.7	9.6	14.4#
68	4.9	6.4	9.6#



#23
Nitrobenzene-d5
Concen: 82.77 ng
RT: 9.29 min Scan# 1098
Delta R.T. -0.00 min
Lab File: BG022181.D
Acq: 6 Jun 2016 23:07

Tgt Ion:	82	Resp:	137095
Ion	Ratio	Lower	Upper
82	100		
128	50.3	33.4	50.0#
54	35.2	46.1	69.1#





#24

Nitrobenzene

Concen: 0.07 ng

RT: 9.30 min Scan# 1099

Delta R.T. -0.04 min

Lab File: BG022181.D

Acq: 6 Jun 2016 23:07

Instrument :

BNA_G

ClientSampleId :

PB91112BL

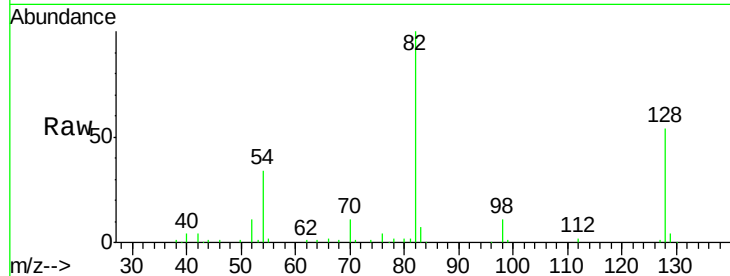
Tgt Ion: 77 Resp: 113

Ion Ratio Lower Upper

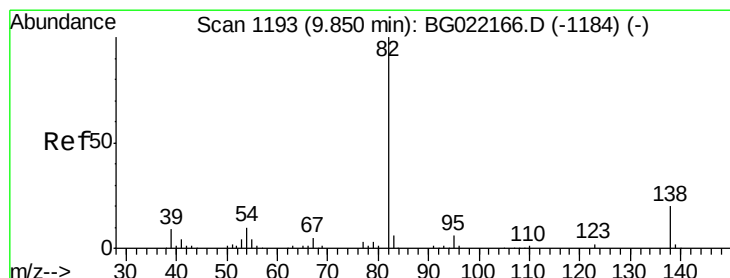
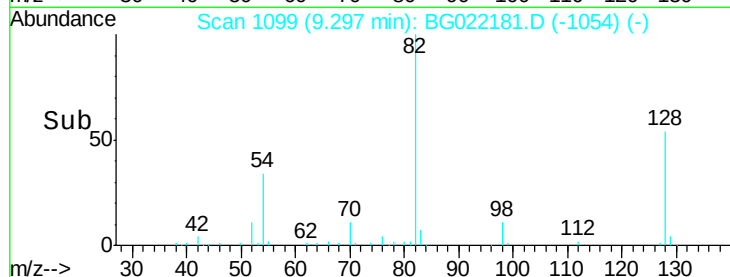
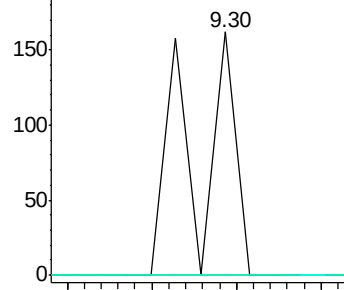
77 100

123 0.0 32.2 48.4#

65 0.0 10.3 15.5#



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



#25

Isophorone

Concen: 0.09 ng

RT: 9.86 min Scan# 1195

Delta R.T. 0.01 min

Lab File: BG022181.D

Acq: 6 Jun 2016 23:07

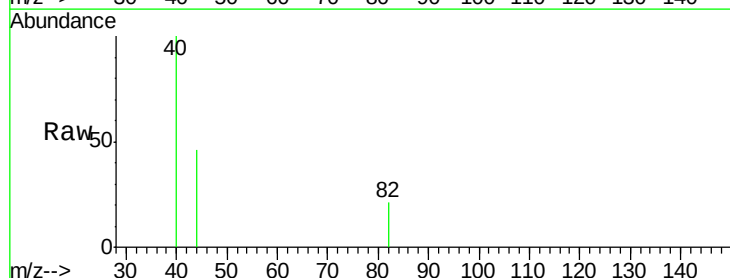
Tgt Ion: 82 Resp: 330

Ion Ratio Lower Upper

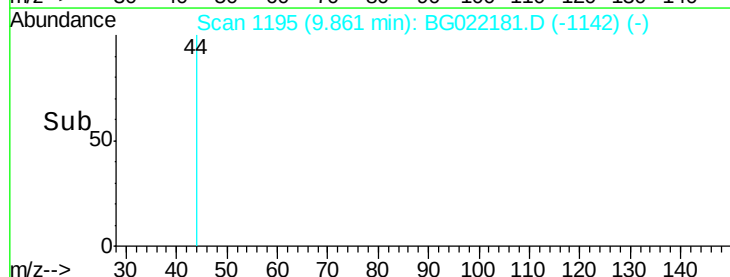
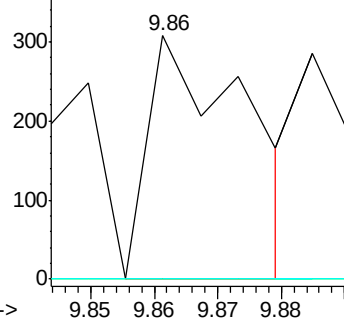
82 100

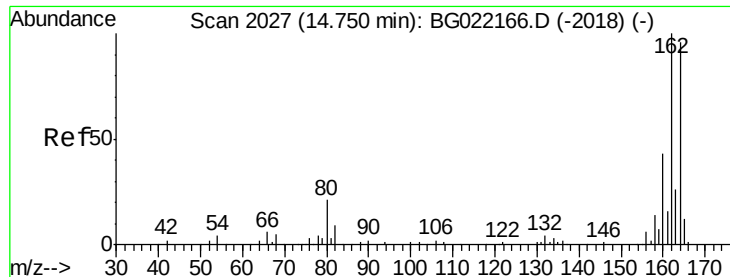
95 0.0 6.0 9.0#

138 0.0 13.4 20.0#



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 95.00 (94.70 to 95.70): BGC
Ion 138.00 (137.70 to 138.70): BGC





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.75 min Scan# 2027

Delta R.T. -0.00 min

Lab File: BG022181.D

Acq: 6 Jun 2016 23:07

Instrument :

BNA_G

ClientSampleId :

PB91112BL

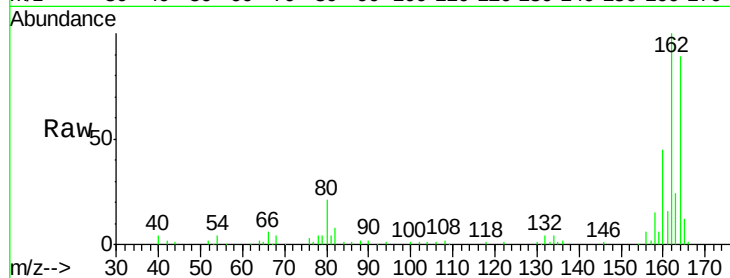
Tgt Ion:164 Resp: 72267

Ion Ratio Lower Upper

164 100

162 112.5 78.0 117.0

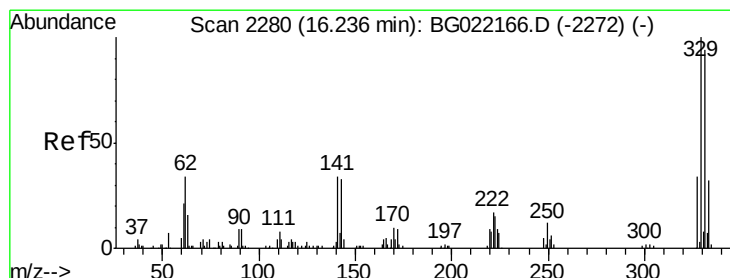
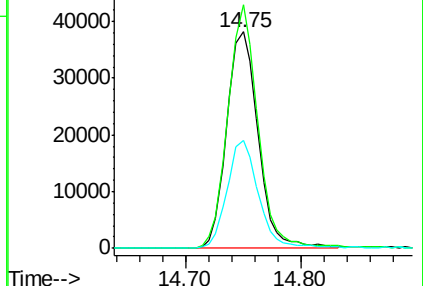
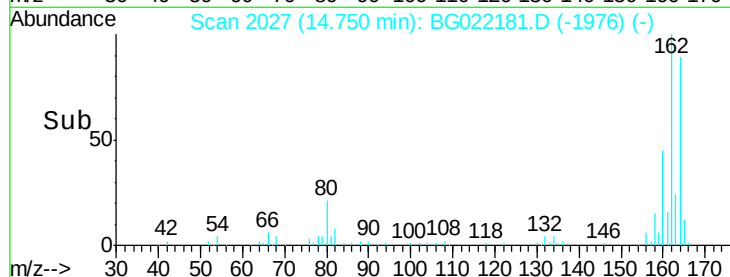
160 50.1 32.9 49.3#



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: 133.19 ng

RT: 16.24 min Scan# 2280

Delta R.T. -0.00 min

Lab File: BG022181.D

Acq: 6 Jun 2016 23:07

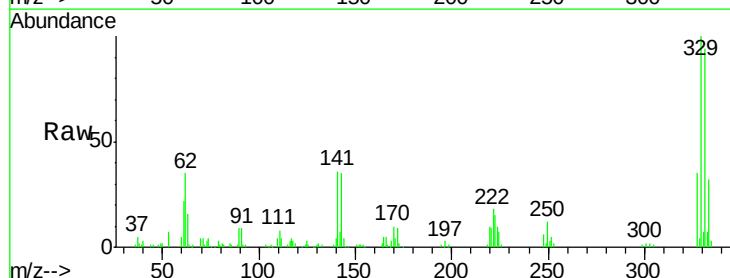
Tgt Ion:330 Resp: 108763

Ion Ratio Lower Upper

330 100

332 96.4 78.0 117.0

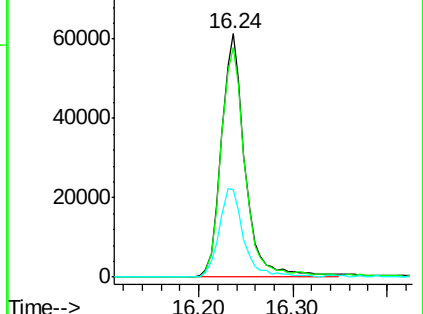
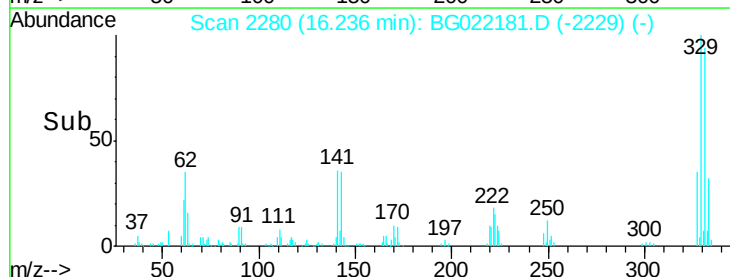
141 37.6 33.8 50.8

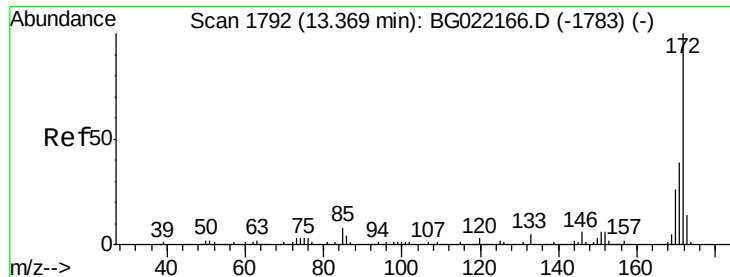


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

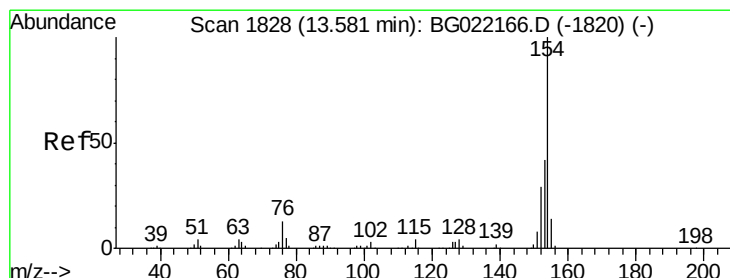
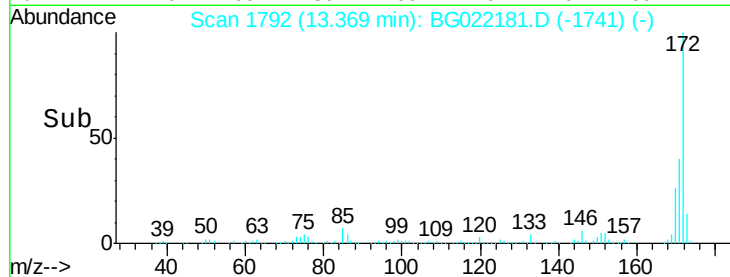
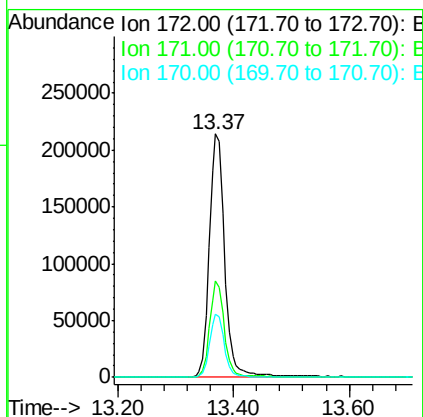
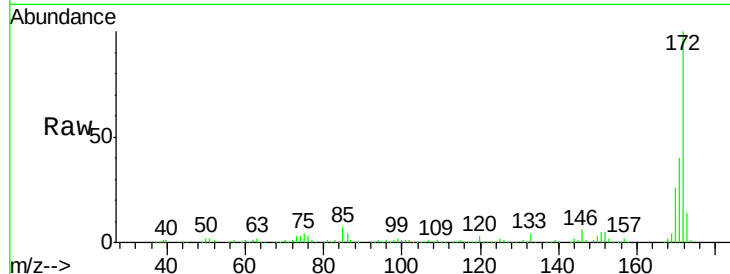




#44
 2-Fluorobiphenyl
 Concen: 85.54 ng
 RT: 13.37 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: BG022181.D
 Acq: 6 Jun 2016 23:07

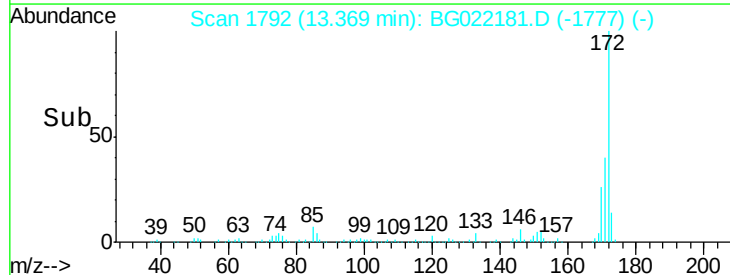
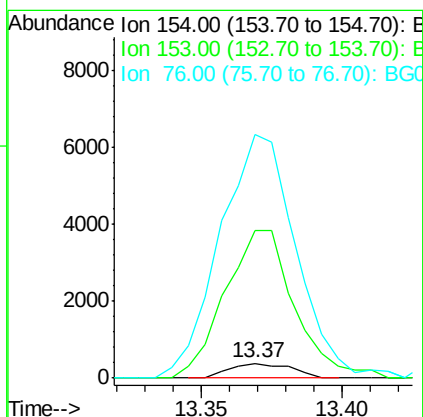
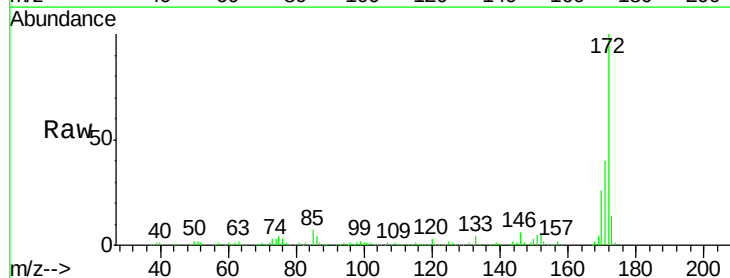
Instrument :
 BNA_G
 ClientSampled :
 PB91112BL

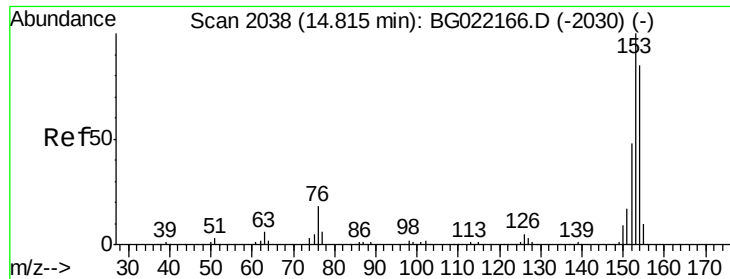
Tgt Ion:172 Resp: 405636
 Ion Ratio Lower Upper
 172 100
 171 39.7 27.8 41.6
 170 25.7 19.6 29.4



#45
 1,1'-Biphenyl
 Concen: 0.11 ng
 RT: 13.37 min Scan# 1792
 Delta R.T. -0.21 min
 Lab File: BG022181.D
 Acq: 6 Jun 2016 23:07

Tgt Ion:154 Resp: 573
 Ion Ratio Lower Upper
 154 100
 153 1014.9 19.7 59.7#
 76 1676.7 0.0 33.0#





#51

Acenaphthene

Concen: 0.06 ng

RT: 14.75 min Scan# 2027

Delta R.T. -0.06 min

Lab File: BG022181.D

Acq: 6 Jun 2016 23:07

Instrument :

BNA_G

ClientSampled :

PB91112BL

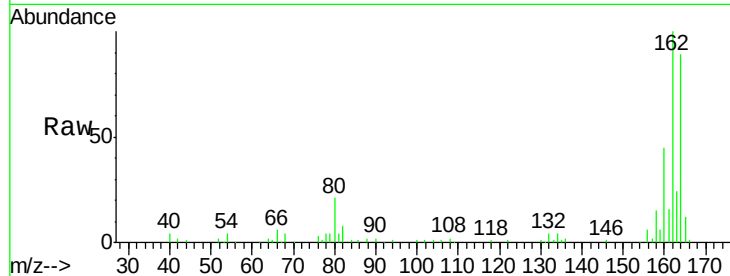
Tgt Ion:154 Resp: 273

Ion Ratio Lower Upper

154 100

153 0.0 91.9 137.9#

152 0.0 42.0 63.0#

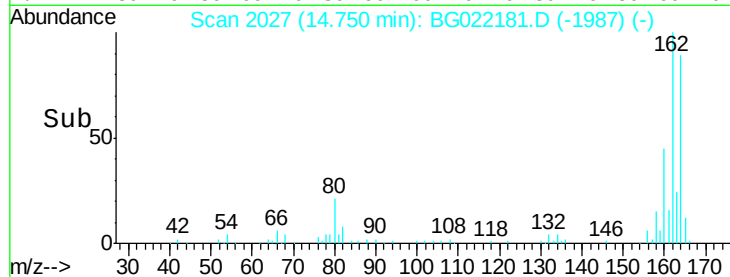


Abundance Ion 154.00 (153.70 to 154.70): E

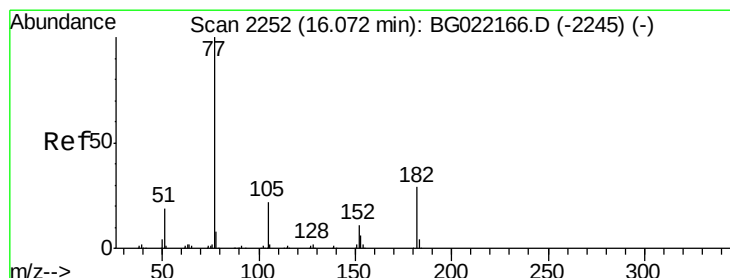
Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Time-->



Time-->



#62

Azobenzene

Concen: 0.08 ng

RT: 16.23 min Scan# 2279

Delta R.T. 0.16 min

Lab File: BG022181.D

Acq: 6 Jun 2016 23:07

Tgt Ion: 77 Resp: 404

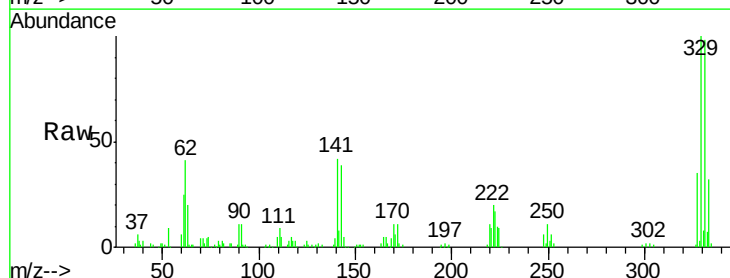
Ion Ratio Lower Upper

77 100

182 0.0 4.1 44.1#

105 55.9 0.0 39.8#

51 60.6 11.1 51.1#



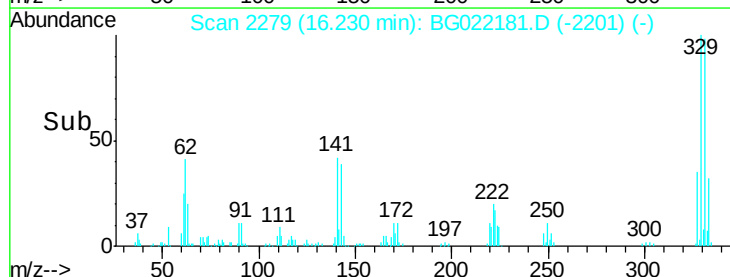
Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

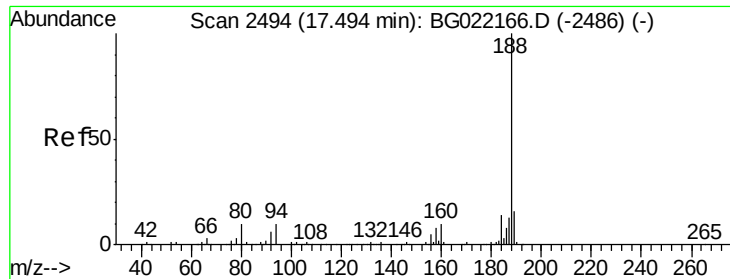
Ion 51.00 (50.70 to 51.70): BGC

Time-->



Time-->

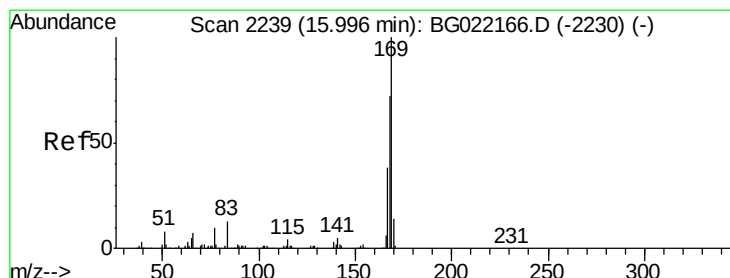
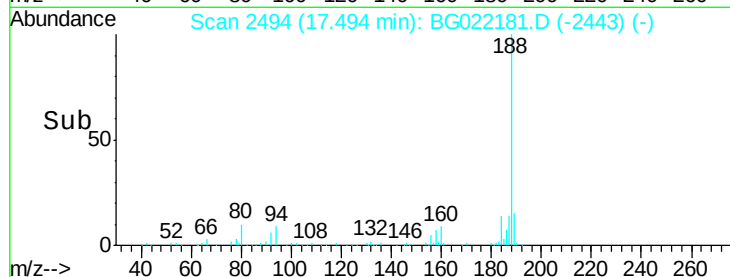
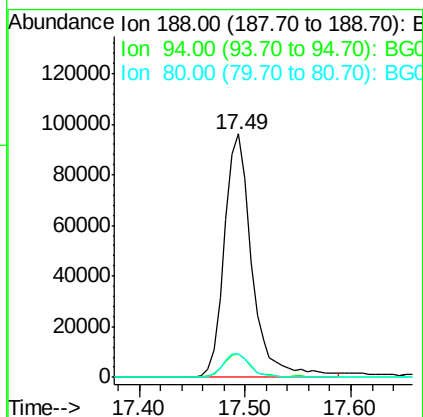
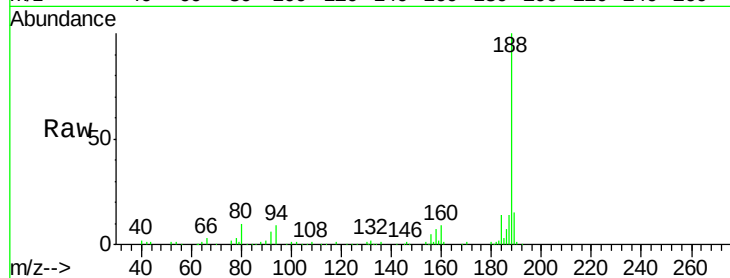
Time-->



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.49 min Scan# 2494
Delta R.T. -0.00 min
Lab File: BG022181.D
Acq: 6 Jun 2016 23:07

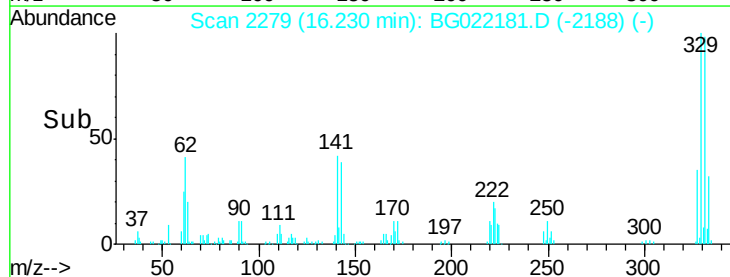
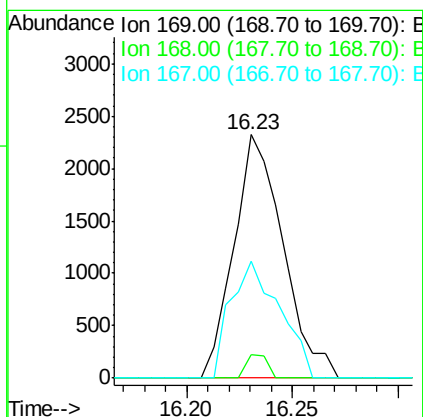
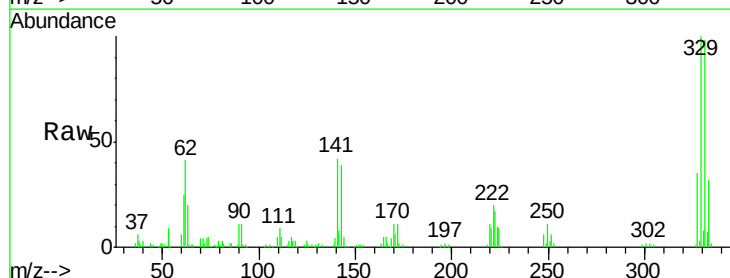
Instrument :
BNA_G
ClientSampleId :
PB91112BL

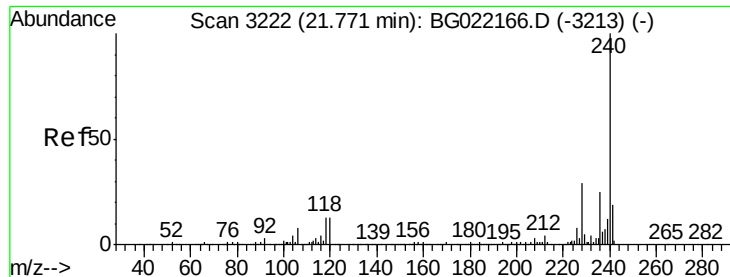
Tgt Ion:188 Resp: 174235
Ion Ratio Lower Upper
188 100
94 9.4 7.5 11.3
80 9.8 8.6 13.0



#65
n-Nitrosodiphenylamine
Concen: 0.75 ng
RT: 16.23 min Scan# 2279
Delta R.T. 0.23 min
Lab File: BG022181.D
Acq: 6 Jun 2016 23:07

Tgt Ion:169 Resp: 3740
Ion Ratio Lower Upper
169 100
168 9.5 59.6 89.4#
167 47.8 31.2 46.8#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.77 min Scan# 3221

Delta R.T. -0.01 min

Lab File: BG022181.D

Acq: 6 Jun 2016 23:07

Instrument :

BNA_G

ClientSampleId :

PB91112BL

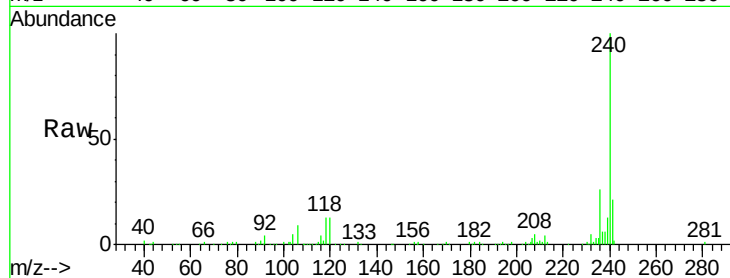
Tgt Ion:240 Resp: 182490

Ion Ratio Lower Upper

240 100

120 13.2 8.4 12.6#

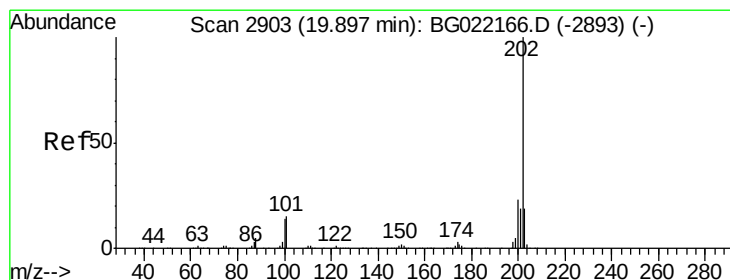
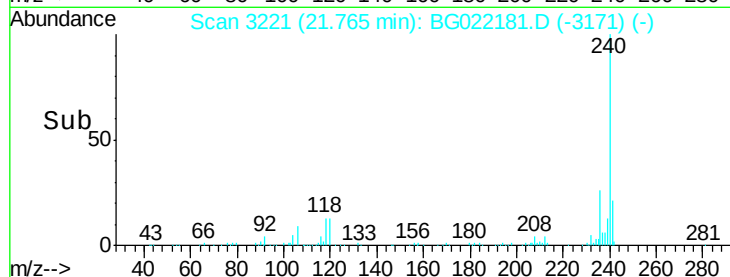
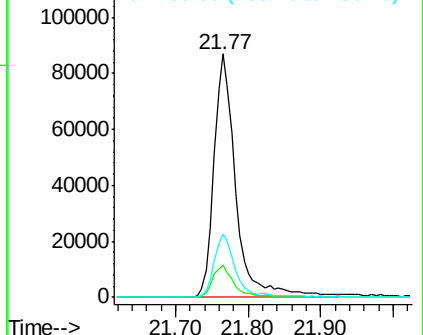
236 25.9 19.6 29.4



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: 0.21 ng

RT: 20.08 min Scan# 2935

Delta R.T. 0.19 min

Lab File: BG022181.D

Acq: 6 Jun 2016 23:07

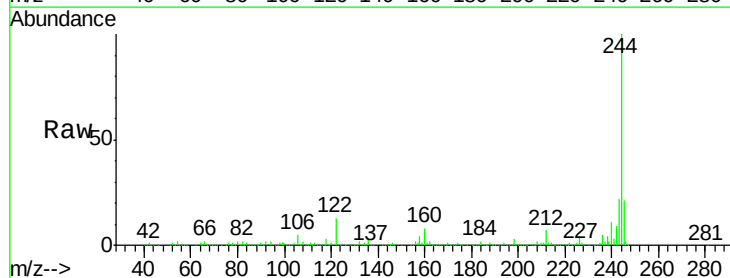
Tgt Ion:202 Resp: 2383

Ion Ratio Lower Upper

202 100

200 44.5 18.2 27.2#

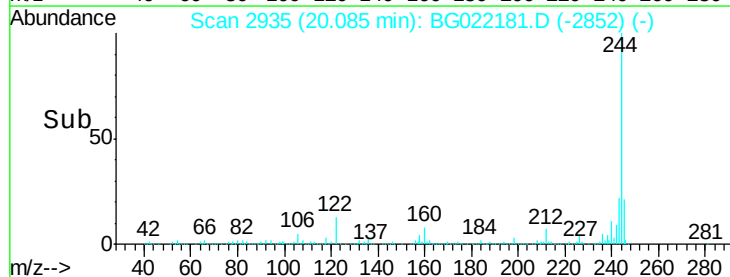
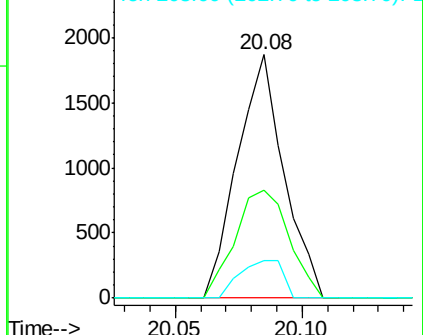
203 15.3 15.0 22.4

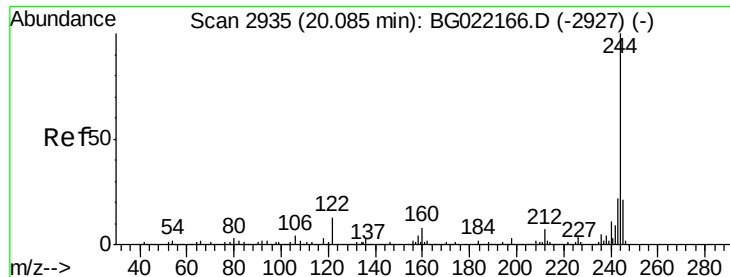


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 92.62 ng

RT: 20.08 min Scan# 2935

Delta R.T. -0.00 min

Lab File: BG022181.D

Acq: 6 Jun 2016 23:07

Instrument :

BNA_G

ClientSampleId :

PB91112BL

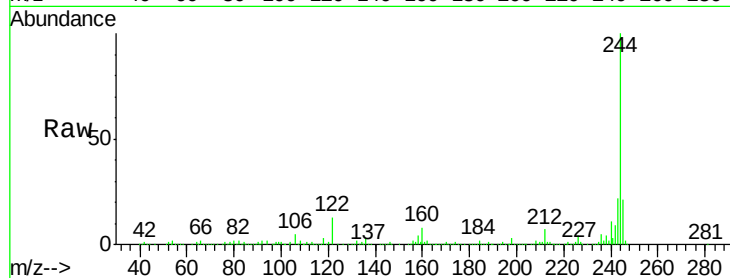
Tgt Ion:244 Resp: 711939

Ion Ratio Lower Upper

244 100

212 7.3 6.5 9.7

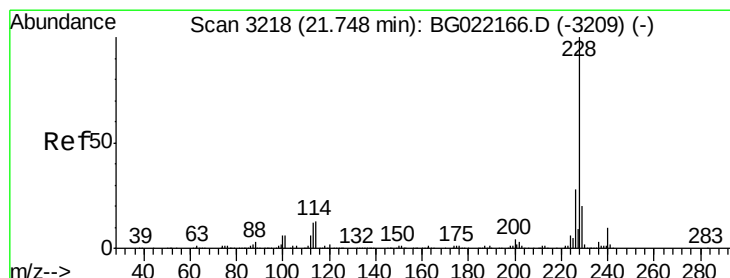
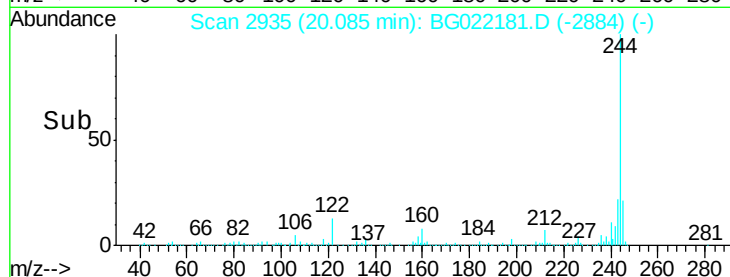
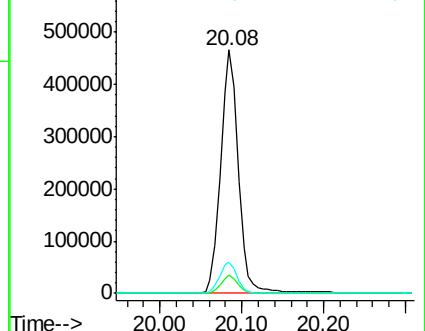
122 13.0 8.6 12.8#



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



#80

Benzo(a)anthracene

Concen: 0.05 ng

RT: 21.76 min Scan# 3220

Delta R.T. 0.01 min

Lab File: BG022181.D

Acq: 6 Jun 2016 23:07

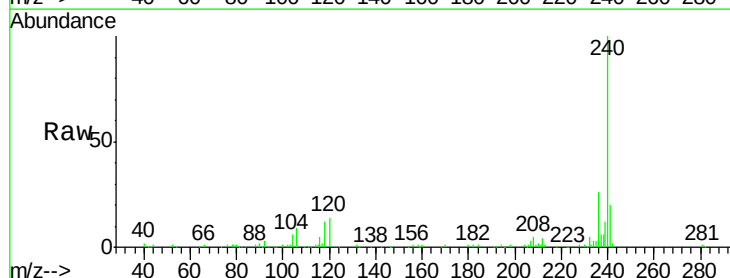
Tgt Ion:228 Resp: 470

Ion Ratio Lower Upper

228 100

226 0.0 22.6 34.0#

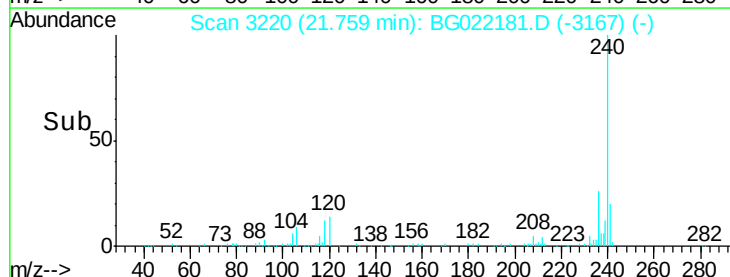
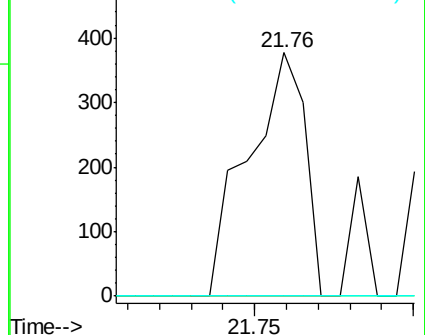
229 0.0 16.1 24.1#

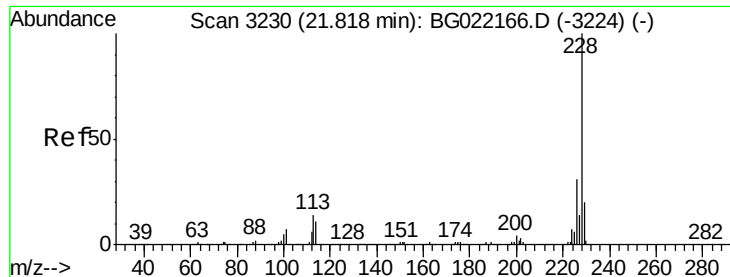


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 0.04 ng

RT: 21.81 min Scan# 3228

Delta R.T. -0.01 min

Lab File: BG022181.D

Acq: 6 Jun 2016 23:07

Instrument :

BNA_G

ClientSampleId :

PB91112BL

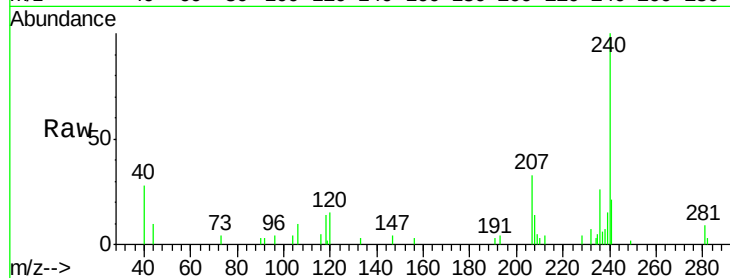
Tgt Ion: 228 Resp: 440

Ion Ratio Lower Upper

228 100

226 0.0 25.4 38.0#

229 0.0 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

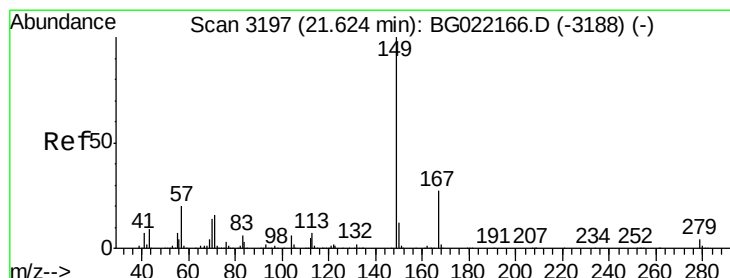
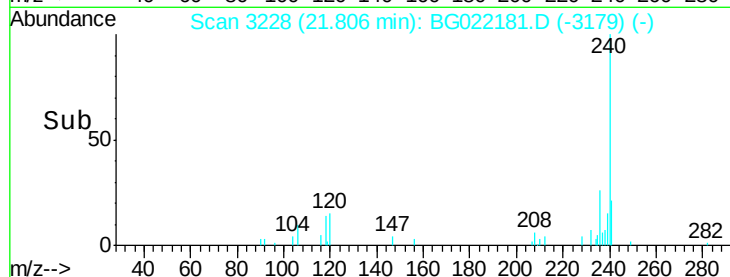
21.81

200

100

0

Time-->



#83

Bis(2-ethylhexyl)phthalate

Concen: 0.02 ng

RT: 21.62 min Scan# 3197

Delta R.T. -0.00 min

Lab File: BG022181.D

Acq: 6 Jun 2016 23:07

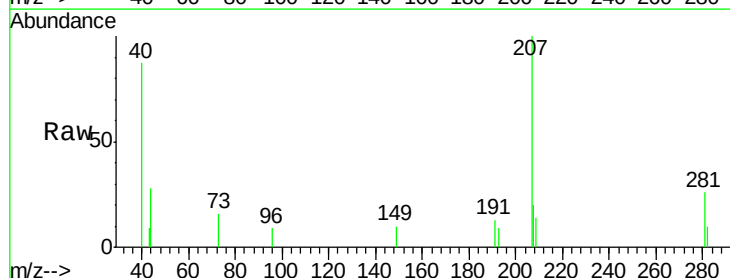
Tgt Ion: 149 Resp: 126

Ion Ratio Lower Upper

149 100

167 0.0 22.4 33.6#

279 0.0 3.2 4.8#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

21.62

200

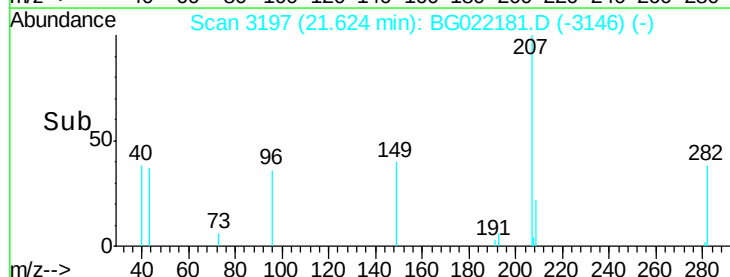
150

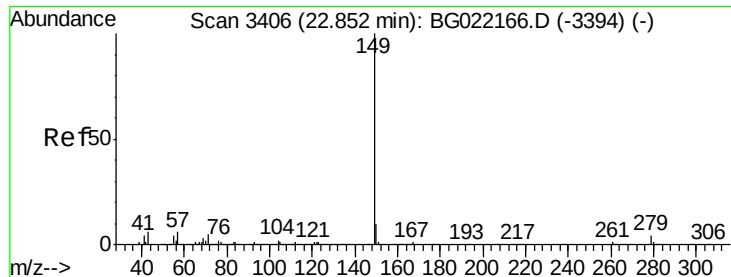
100

50

0

Time-->

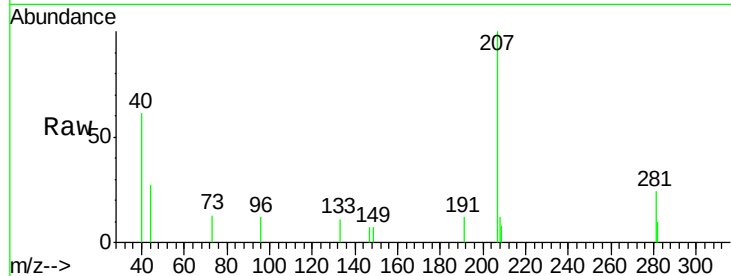




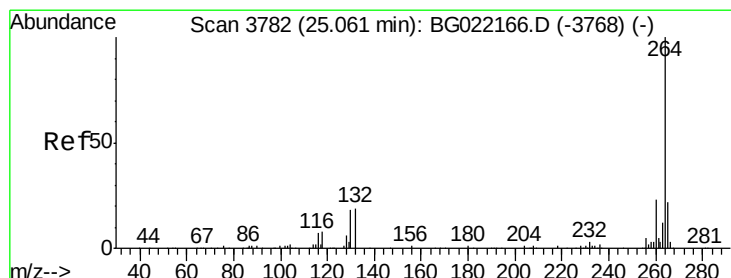
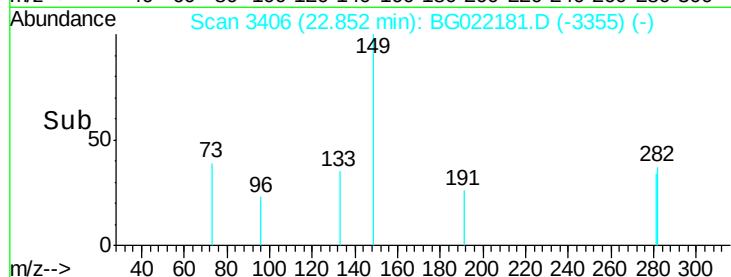
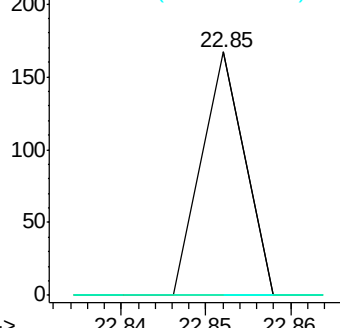
#84
Di-n-octyl phthalate
Concen: 0.00 ng
RT: 22.85 min Scan# 3406
Delta R.T. -0.00 min
Lab File: BG022181.D
Acq: 6 Jun 2016 23:07

Instrument :
BNA_G
ClientSampleId :
PB91112BL

Tgt Ion:149 Resp: 59
Ion Ratio Lower Upper
149 100
167 0.0 1.3 1.9#
43 0.0 9.8 14.6#

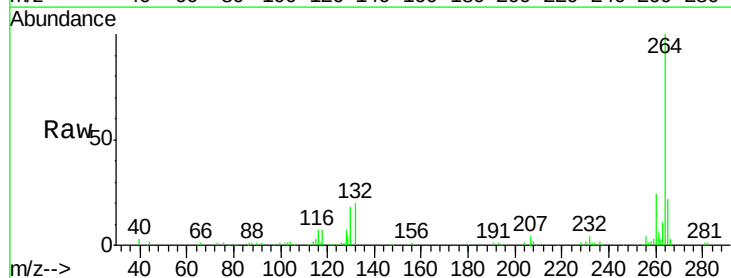


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BGC

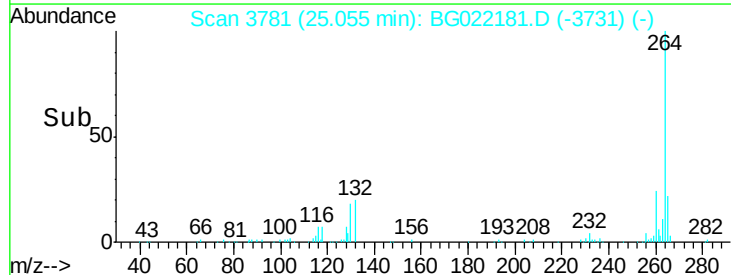
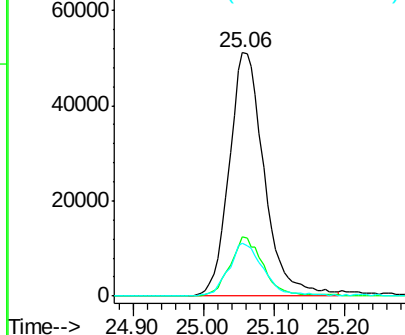


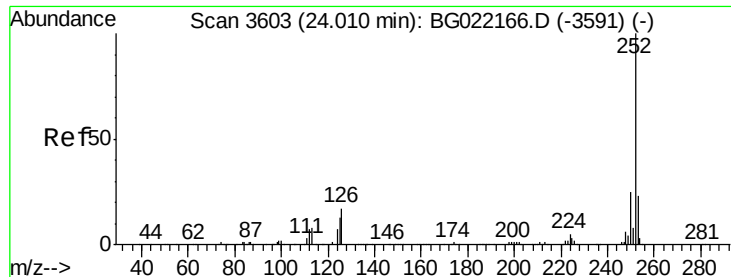
#86
Perylene-d12
Concen: 20.00 ng
RT: 25.06 min Scan# 3781
Delta R.T. -0.01 min
Lab File: BG022181.D
Acq: 6 Jun 2016 23:07

Tgt Ion:264 Resp: 176433
Ion Ratio Lower Upper
264 100
260 24.4 20.2 30.4
265 22.0 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

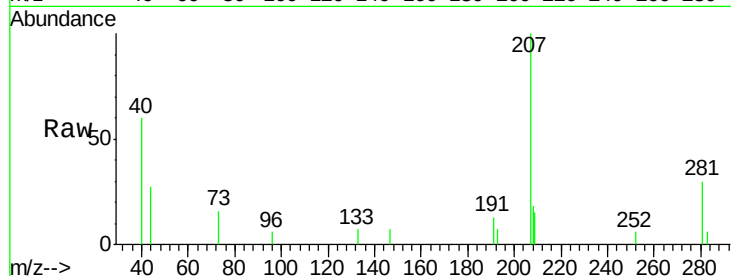




#87
Benzo(b)fluoranthene
Concen: 0.01 ng
RT: 24.04 min Scan# 3608
Delta R.T. 0.03 min
Lab File: BG022181.D
Acq: 6 Jun 2016 23:07

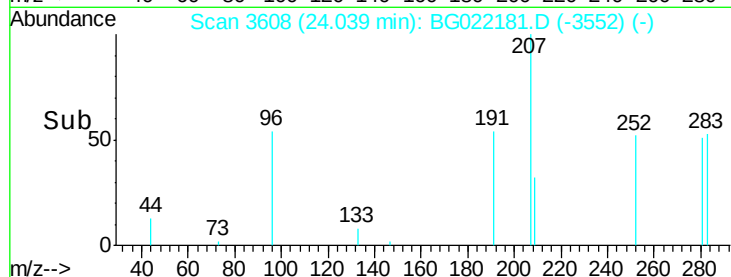
Instrument :
BNA_G
ClientSampleId :
PB91112BL

Tgt Ion:252 Resp: 54
Ion Ratio Lower Upper
252 100
253 0.0 17.5 26.3#
125 0.0 8.6 13.0#

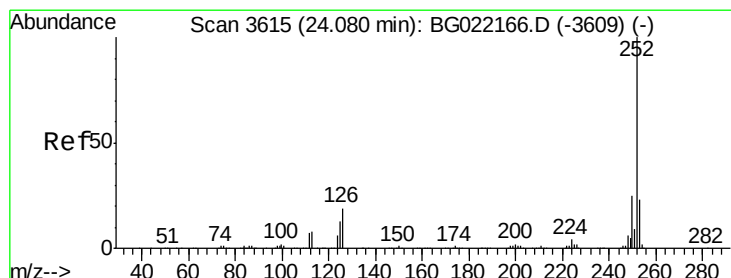


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

24.04

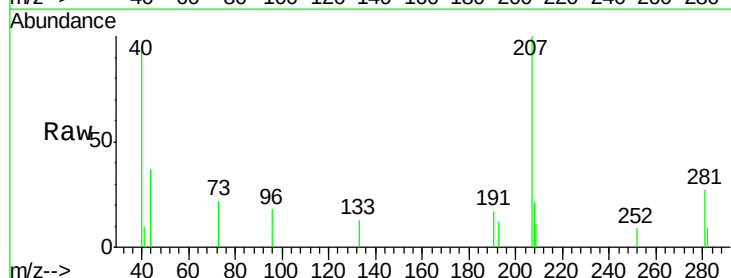


Time-->



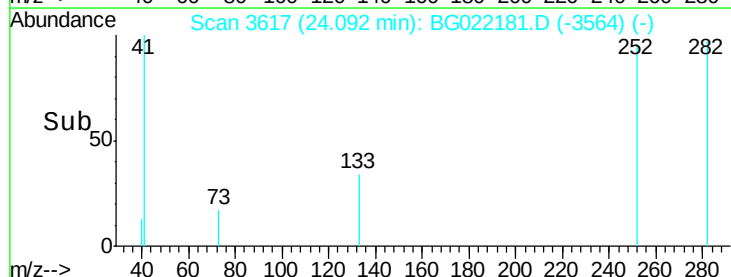
#88
Benzo(k)fluoranthene
Concen: 0.01 ng
RT: 24.09 min Scan# 3617
Delta R.T. 0.01 min
Lab File: BG022181.D
Acq: 6 Jun 2016 23:07

Tgt Ion:252 Resp: 54
Ion Ratio Lower Upper
252 100
253 0.0 17.8 26.8#
125 0.0 8.3 12.5#

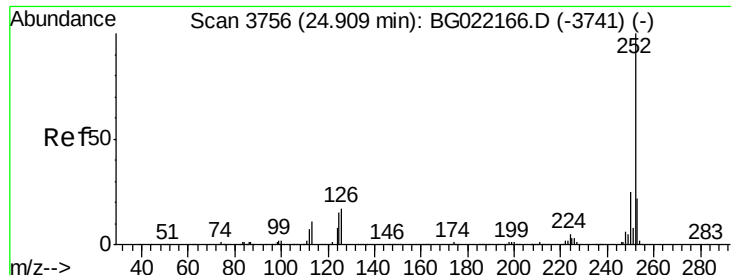


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

24.09



Time-->



#89

Benzo(a)pyrene

Concen: 0.01 ng

RT: 24.90 min Scan# 3754

Delta R.T. -0.01 min

Lab File: BG022181.D

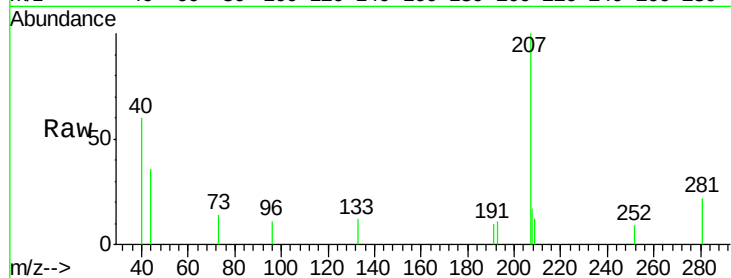
Acq: 6 Jun 2016 23:07

Instrument :

BNA_G

ClientSampleId :

PB91112BL



Tgt Ion:	252	Resp:	69
Ion	Ratio	Lower	Upper
252	100		
253	0.0	17.1	25.7#
125	0.0	9.6	14.4#

