

Data Path : S:\HPCHEM1\BNA_G\DATA\BG022916\
 Data File : BG021179.D
 Acq On : 1 Mar 2016 8:48
 Operator : UM/SJ
 Sample : H1520-09RE
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SP-3(0-2)RE

Quant Time: Mar 01 09:58:48 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

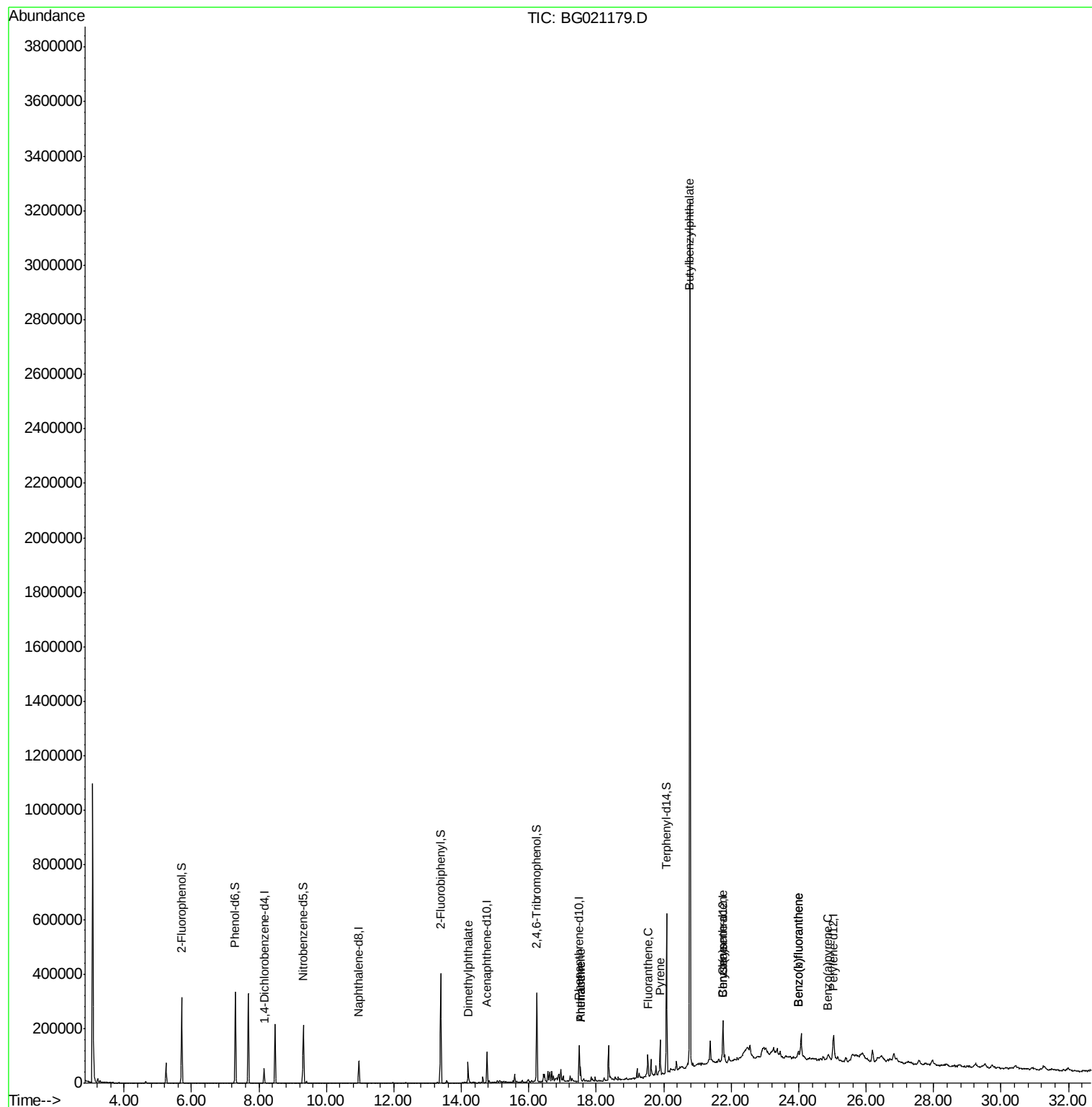
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	13738	20.00	ng	0.00
21) Naphthalene-d8	10.96	136	65725	20.00	ng	0.00
38) Acenaphthene-d10	14.76	164	35289	20.00	ng	0.00
63) Phenanthrene-d10	17.49	188	74312	20.00	ng	0.00
75) Chrysene-d12	21.76	240	77217	20.00	ng	0.00
86) Perylene-d12	25.03	264	71738	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.70	112	123703	143.15	ng	0.00
7) Phenol-d6	7.30	99	190642	134.16	ng	0.00
23) Nitrobenzene-d5	9.32	82	137278	88.38	ng	0.00
41) 2,4,6-Tribromophenol	16.24	330	42473	115.68	ng	0.00
44) 2-Fluorobiphenyl	13.38	172	189763	76.36	ng	0.00
78) Terphenyl-d14	20.08	244	222777	69.89	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	14.20	163	41696	13.26	ng	100
70) Phenanthrene	17.53	178	28562	7.12	ng	95
71) Anthracene	17.53	178	28562	6.96	ng	97
74) Fluoranthene	19.53	202	44373	9.42	ng	100
77) Pyrene	19.89	202	37044	8.04	ng	97
79) Butylbenzylphthalate	20.78	149	964095	410.10	ng	# 89
80) Benzo(a)anthracene	21.73	228	17820	3.90	ng	95
82) Chrysene	21.73	228	17820	4.11	ng	98
87) Benzo(b)fluoranthene	23.99	252	21856	4.84	ng	# 83
88) Benzo(k)fluoranthene	23.99	252	21856	4.84	ng	# 82
89) Benzo(a)pyrene	24.87	252	15080	3.46	ng	# 78

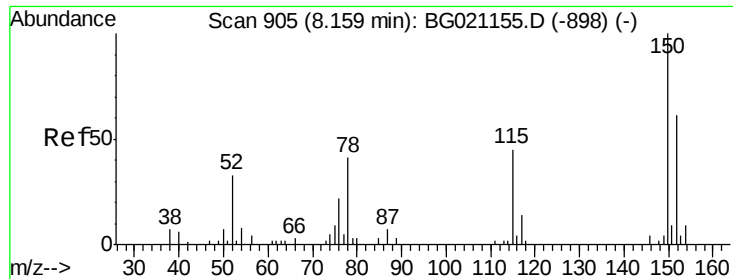
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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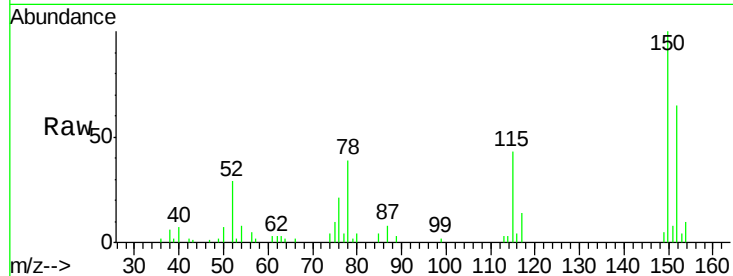




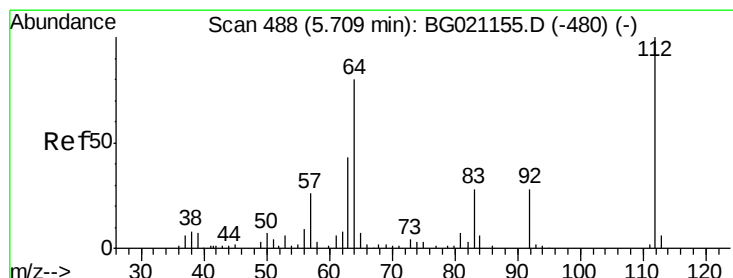
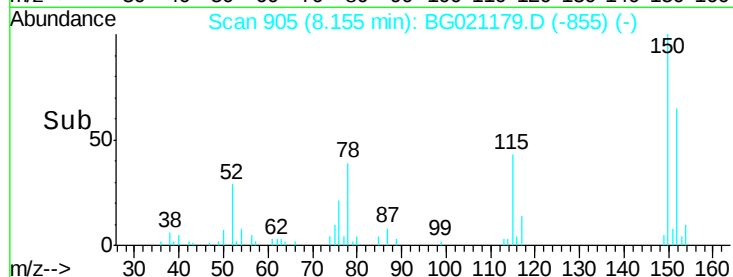
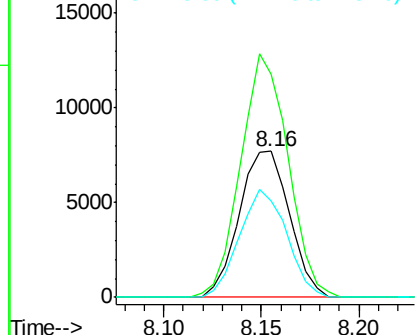
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 8.16 min Scan# 905
 Delta R.T. -0.00 min
 Lab File: BG021179.D
 Acq: 1 Mar 2016 8:48

Instrument :
 BNA_G
 ClientSampleId :
 SP-3(0-2)RE

Tgt Ion:152 Resp: 13738
 Ion Ratio Lower Upper
 152 100
 150 152.9 123.4 185.2
 115 65.8 43.3 64.9#

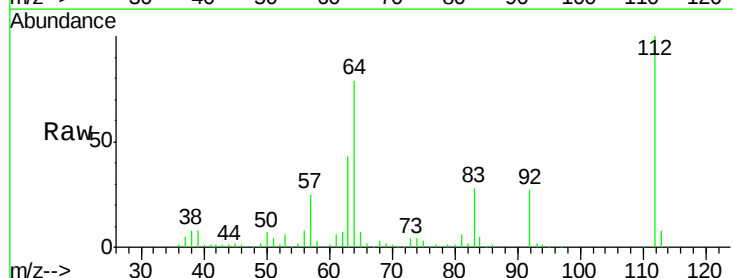


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

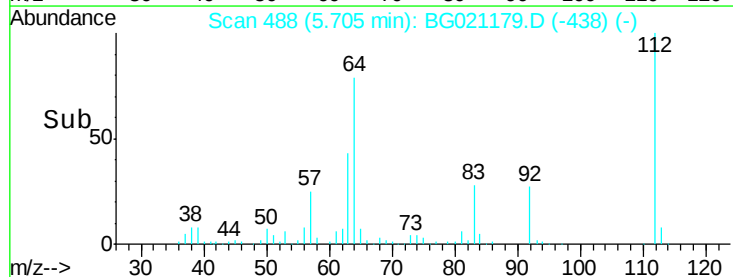
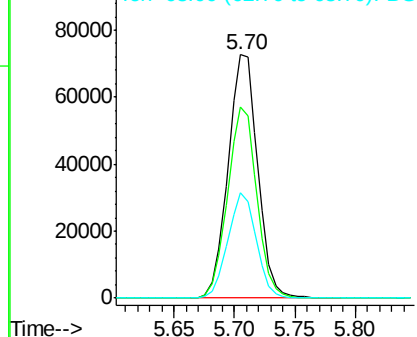


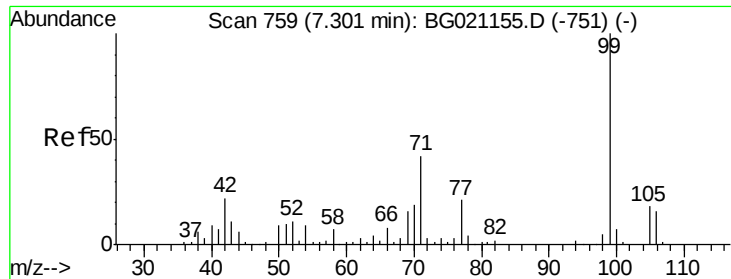
#5
 2-Fluorophenol
 Concen: 143.15 ng
 RT: 5.70 min Scan# 488
 Delta R.T. -0.00 min
 Lab File: BG021179.D
 Acq: 1 Mar 2016 8:48

Tgt Ion:112 Resp: 123703
 Ion Ratio Lower Upper
 112 100
 64 78.7 42.6 63.8#
 63 43.1 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: 134.16 ng

RT: 7.30 min Scan# 759

Delta R.T. -0.00 min

Lab File: BG021179.D

Acq: 1 Mar 2016 8:48

Instrument :

BNA_G

ClientSampled :

SP-3(0-2)RE

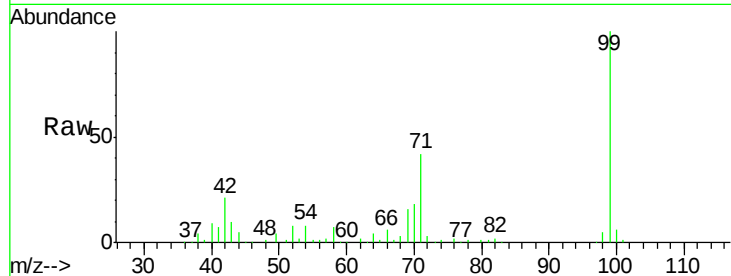
Tgt Ion: 99 Resp: 190642

Ion Ratio Lower Upper

99 100

42 20.8 13.2 19.8#

71 42.0 25.2 37.8#

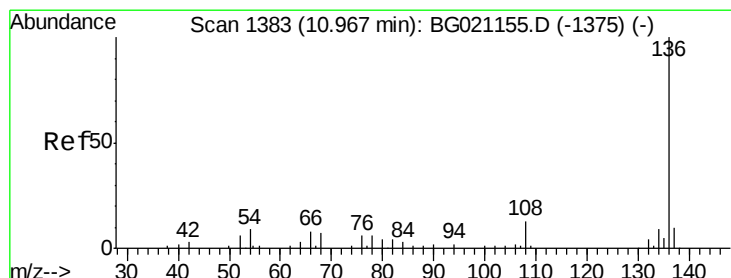
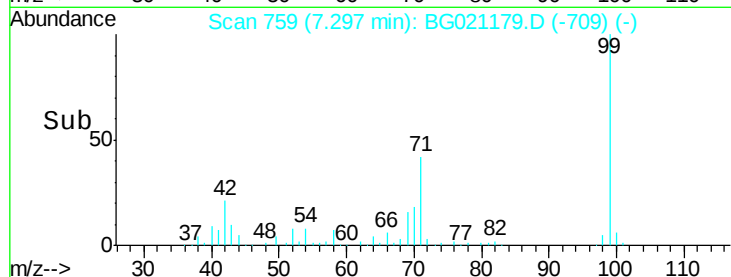
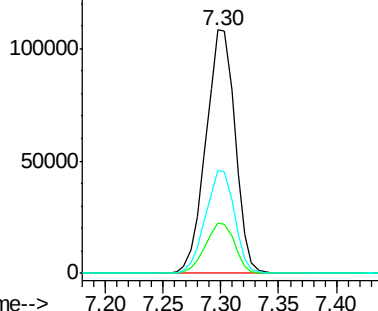


Abundance

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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.96 min Scan# 1382

Delta R.T. -0.01 min

Lab File: BG021179.D

Acq: 1 Mar 2016 8:48

Tgt Ion: 136 Resp: 65725

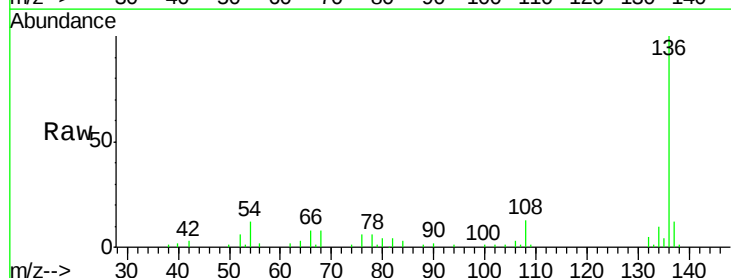
Ion Ratio Lower Upper

136 100

137 11.7 8.8 13.2

54 11.7 6.9 10.3#

68 7.8 5.8 8.6



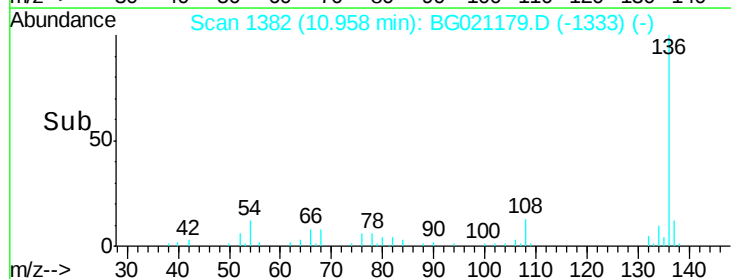
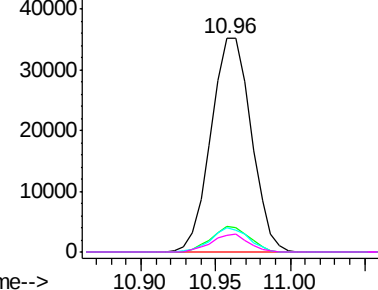
Abundance

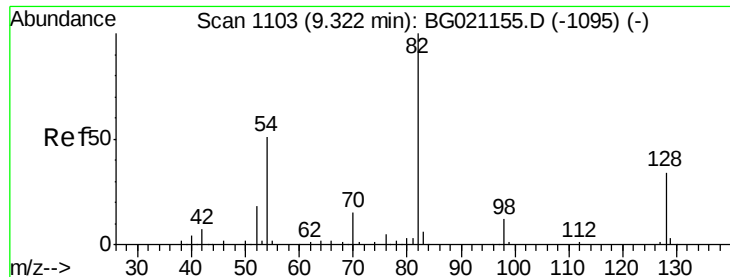
Ion 136.00 (135.70 to 136.70): BGC

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: 88.38 ng

RT: 9.32 min Scan# 1103

Delta R.T. -0.00 min

Lab File: BG021179.D

Acq: 1 Mar 2016 8:48

Instrument :

BNA_G

ClientSampleId :

SP-3(0-2)RE

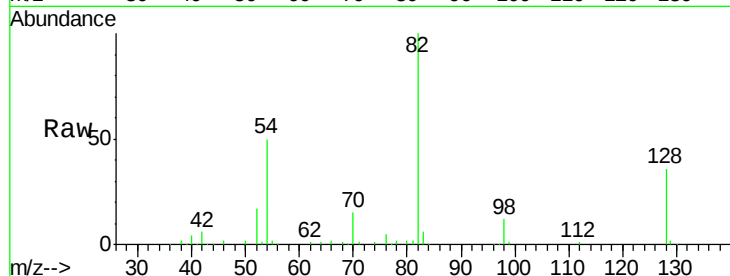
Tgt Ion: 82 Resp: 137278

Ion Ratio Lower Upper

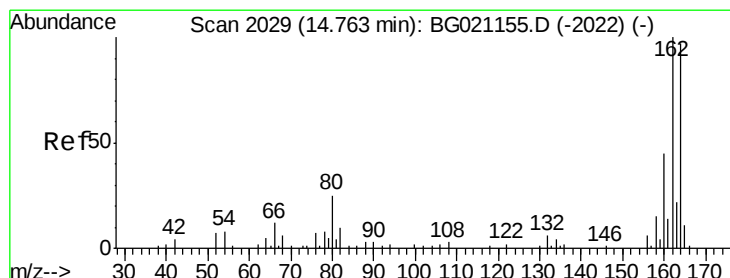
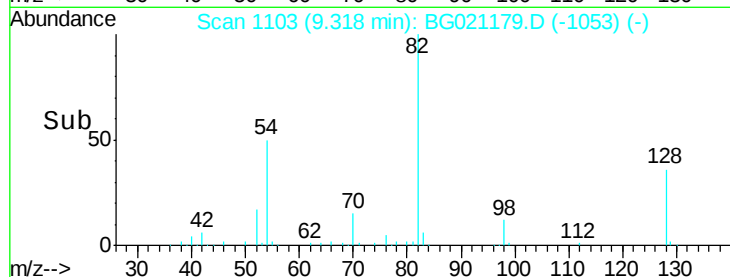
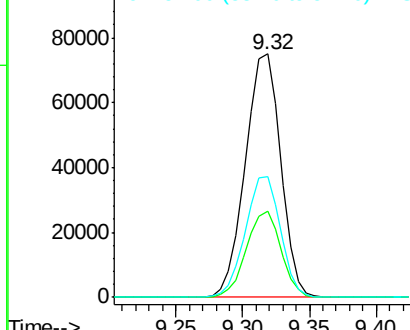
82 100

128 35.6 36.3 54.5#

54 49.8 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



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.76 min Scan# 2029

Delta R.T. -0.00 min

Lab File: BG021179.D

Acq: 1 Mar 2016 8:48

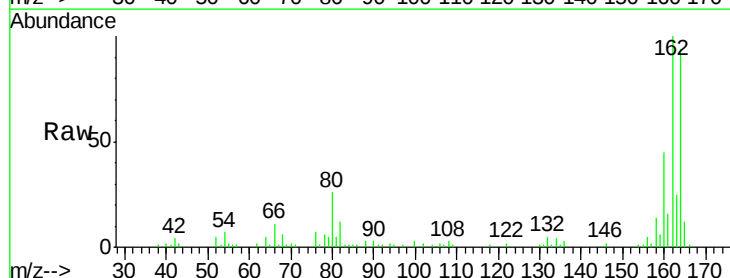
Tgt Ion: 164 Resp: 35289

Ion Ratio Lower Upper

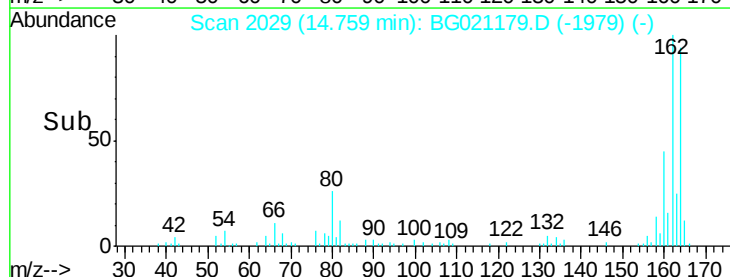
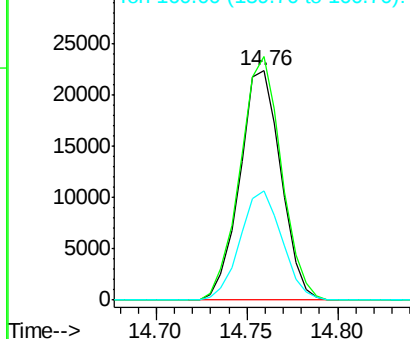
164 100

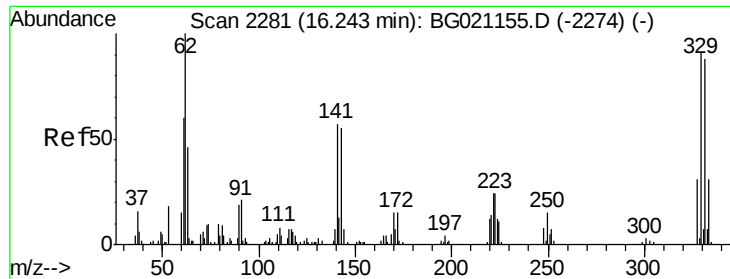
162 106.1 80.6 120.8

160 47.3 36.5 54.7



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

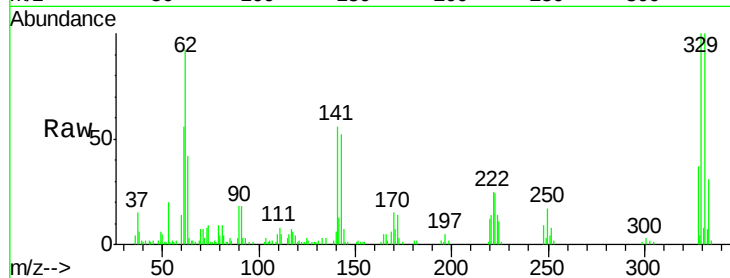




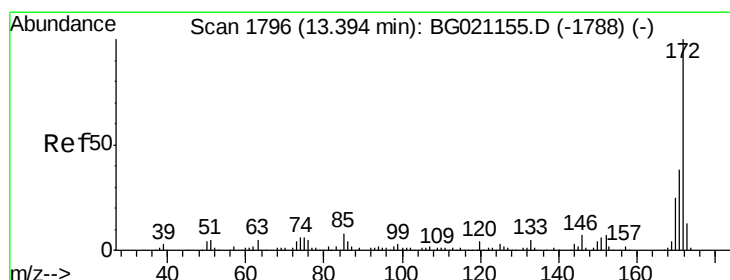
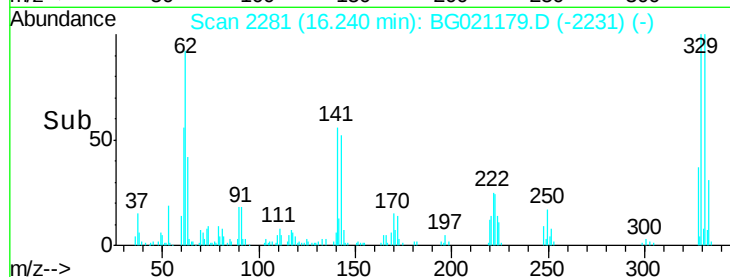
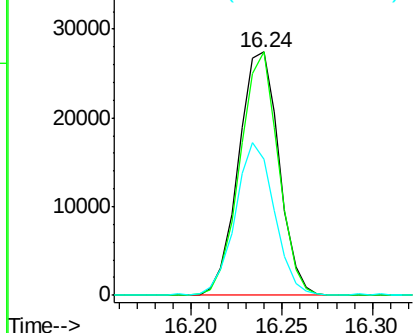
#41
 2,4,6-Tribromophenol
 Concen: 115.68 ng
 RT: 16.24 min Scan# 2281
 Delta R.T. -0.00 min
 Lab File: BG021179.D
 Acq: 1 Mar 2016 8:48

Instrument :
 BNA_G
 ClientSampleId :
 SP-3(0-2)RE

Tgt Ion:330 Resp: 42473
 Ion Ratio Lower Upper
 330 100
 332 94.6 77.4 116.0
 141 61.0 35.3 52.9#

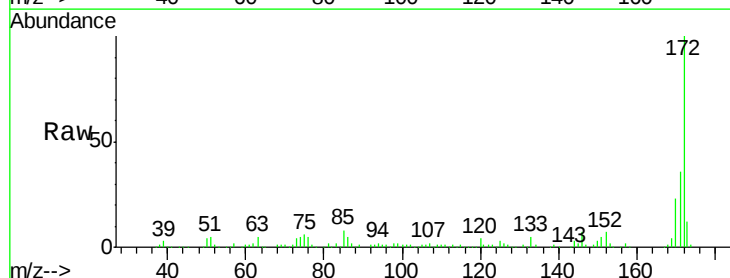


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

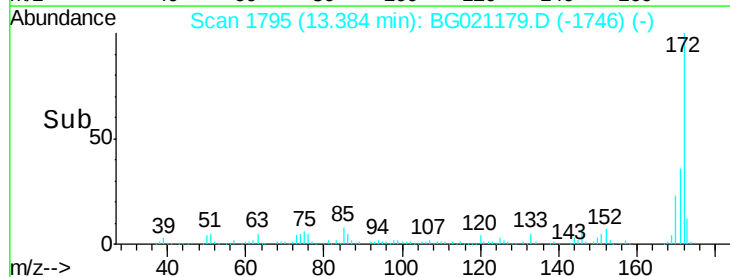
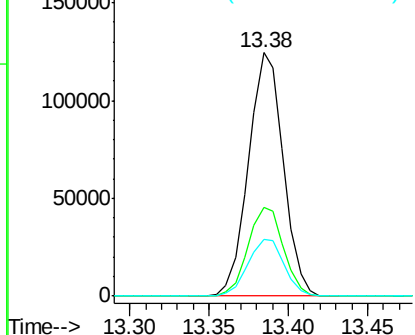


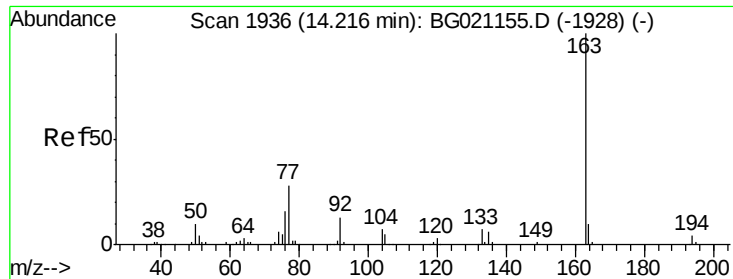
#44
 2-Fluorobiphenyl
 Concen: 76.36 ng
 RT: 13.38 min Scan# 1795
 Delta R.T. -0.01 min
 Lab File: BG021179.D
 Acq: 1 Mar 2016 8:48

Tgt Ion:172 Resp: 189763
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.4 44.0
 170 23.1 19.8 29.8



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 13.26 ng

RT: 14.20 min Scan# 1934

Delta R.T. -0.02 min

Lab File: BG021179.D

Acq: 1 Mar 2016 8:48

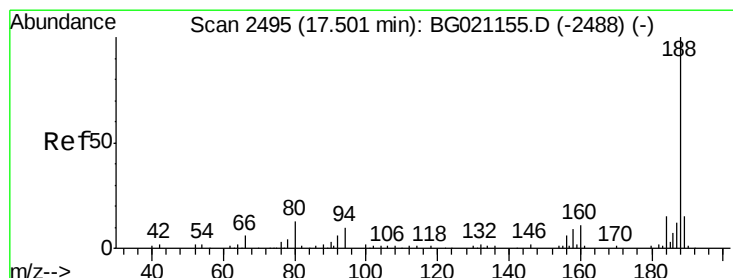
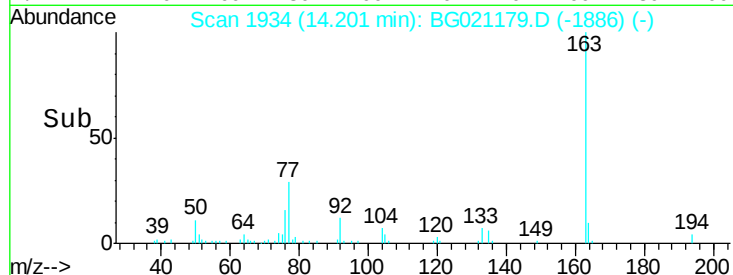
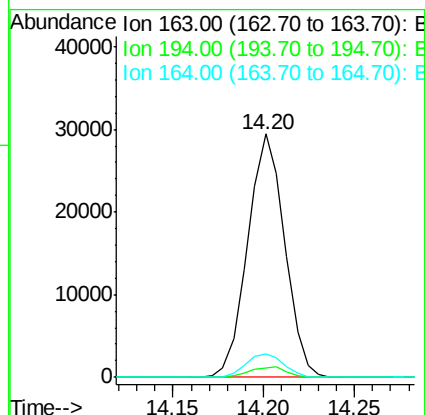
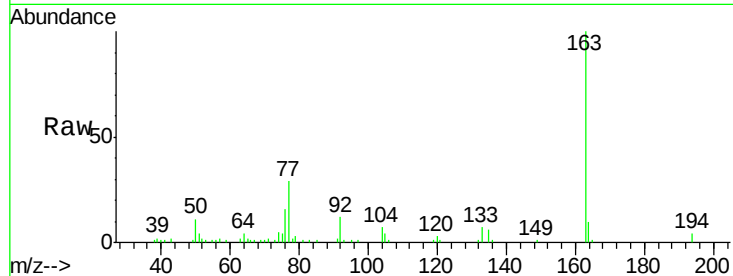
Instrument :

BNA_G

ClientSampleId :

SP-3(0-2)RE

Tgt Ion:	163	Resp:	41696
Ion Ratio	Lower	Upper	
163	100		
194	3.7	2.8	4.2
164	9.9	7.9	11.9



#63

Phenanthrene-d10

Concen: 20.00 ng

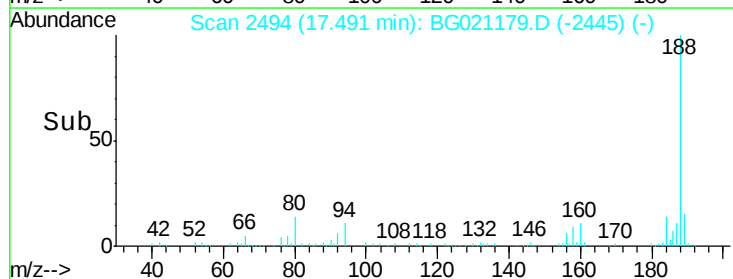
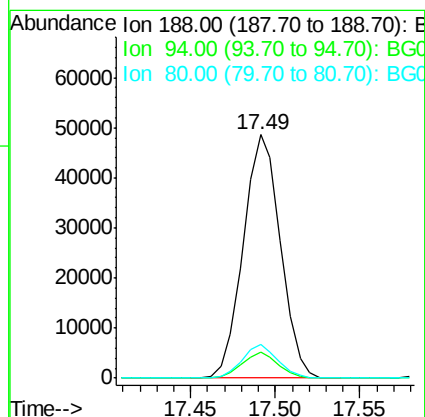
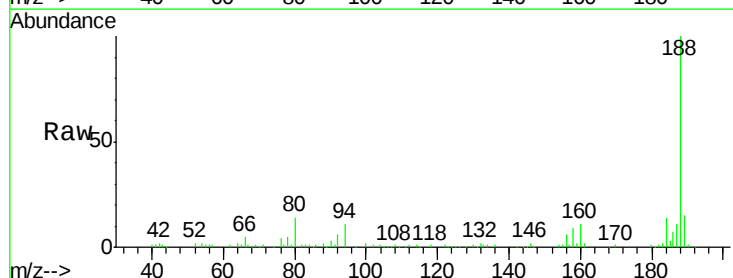
RT: 17.49 min Scan# 2494

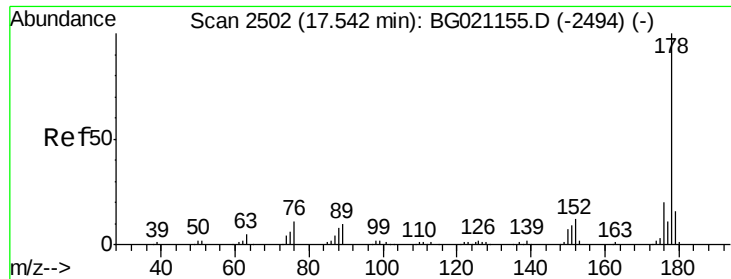
Delta R.T. -0.01 min

Lab File: BG021179.D

Acq: 1 Mar 2016 8:48

Tgt Ion:	188	Resp:	74312
Ion Ratio	Lower	Upper	
188	100		
94	10.8	8.2	12.4
80	14.0	9.2	13.8#

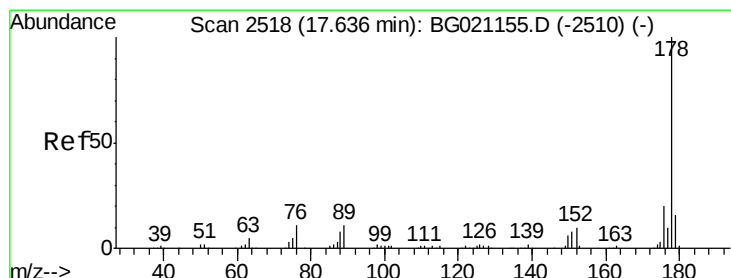
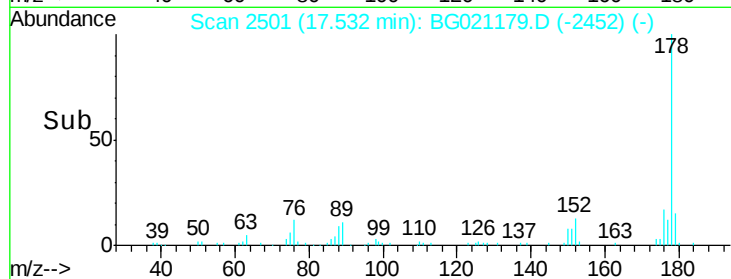
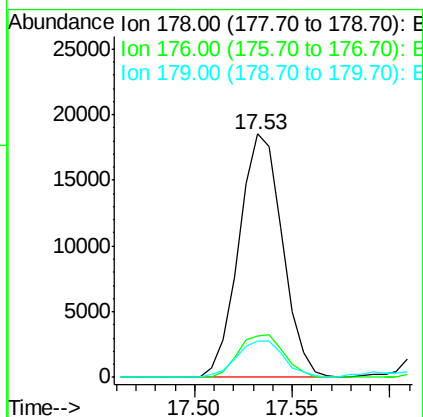
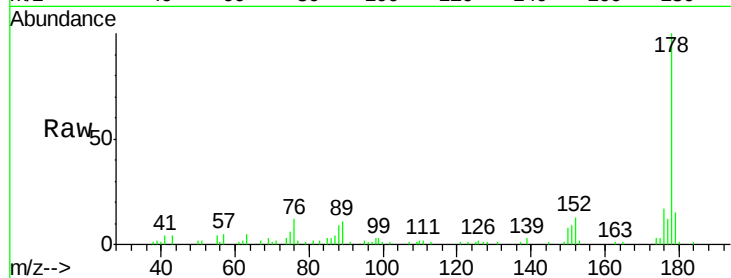




#70
Phenanthrene
Concen: 7.12 ng
RT: 17.53 min Scan# 2501
Delta R.T. -0.01 min
Lab File: BG021179.D
Acq: 1 Mar 2016 8:48

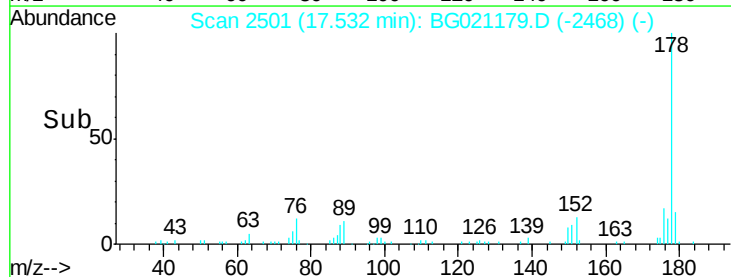
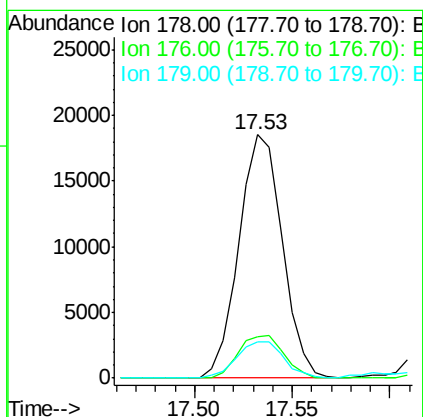
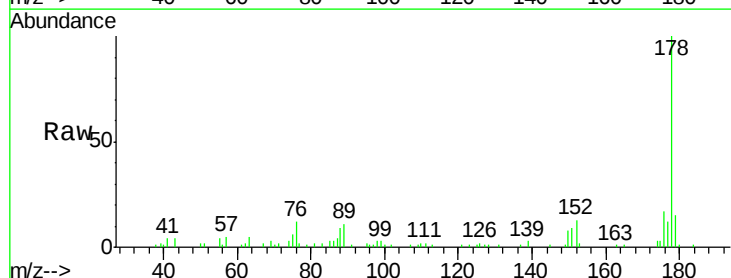
Instrument :
BNA_G
ClientSampleId :
SP-3(0-2)RE

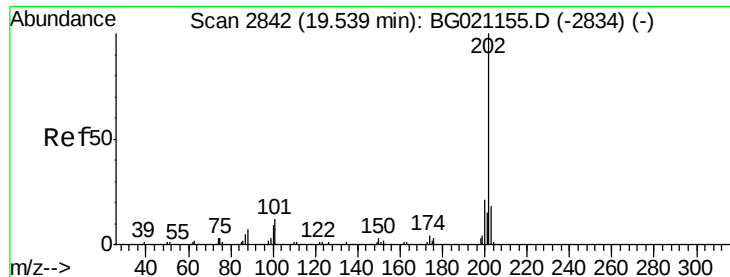
Tgt Ion:178 Resp: 28562
Ion Ratio Lower Upper
178 100
176 17.1 16.2 24.4
179 14.9 12.9 19.3



#71
Anthracene
Concen: 6.96 ng
RT: 17.53 min Scan# 2501
Delta R.T. -0.10 min
Lab File: BG021179.D
Acq: 1 Mar 2016 8:48

Tgt Ion:178 Resp: 28562
Ion Ratio Lower Upper
178 100
176 17.1 14.8 22.2
179 14.9 12.6 19.0





#74

Fluoranthene

Concen: 9.42 ng

RT: 19.53 min Scan# 2841

Delta R.T. -0.01 min

Lab File: BG021179.D

Acq: 1 Mar 2016 8:48

Instrument :

BNA_G

ClientSampleId :

SP-3(0-2)RE

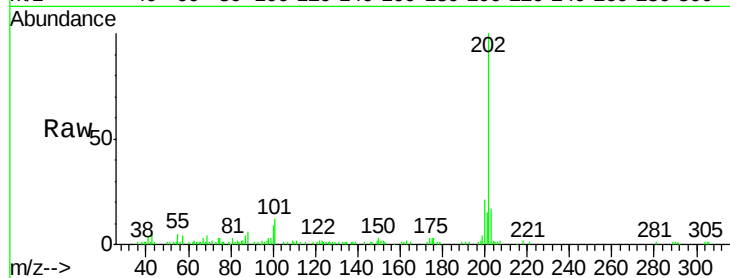
Tgt Ion:202 Resp: 44373

Ion Ratio Lower Upper

202 100

101 12.4 0.0 32.5

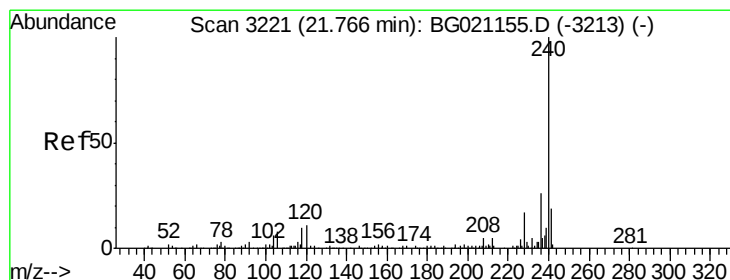
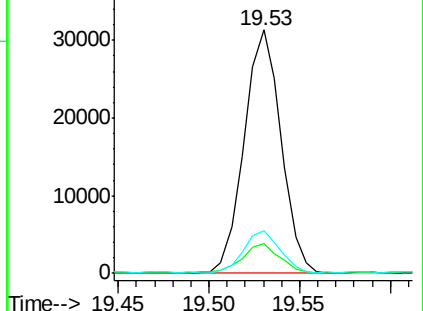
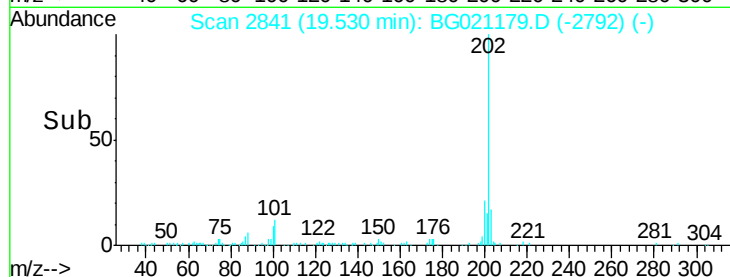
203 17.4 0.0 37.6



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: BG021179.D

Acq: 1 Mar 2016 8:48

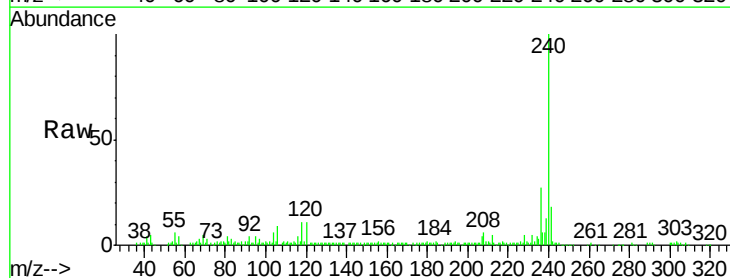
Tgt Ion:240 Resp: 77217

Ion Ratio Lower Upper

240 100

120 10.9 7.5 11.3

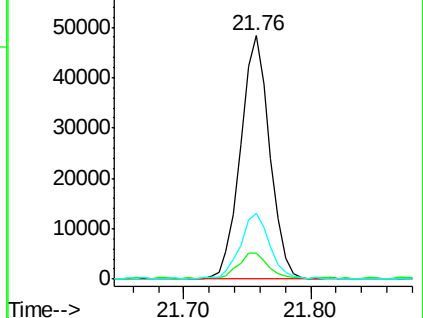
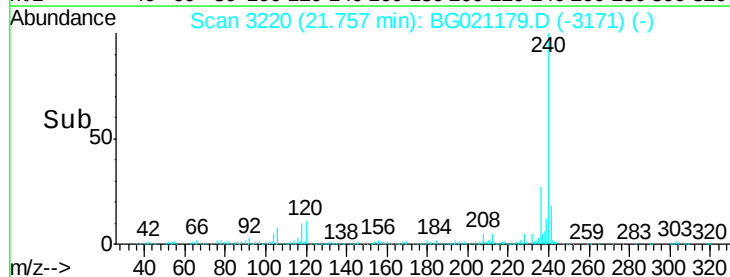
236 27.0 20.5 30.7

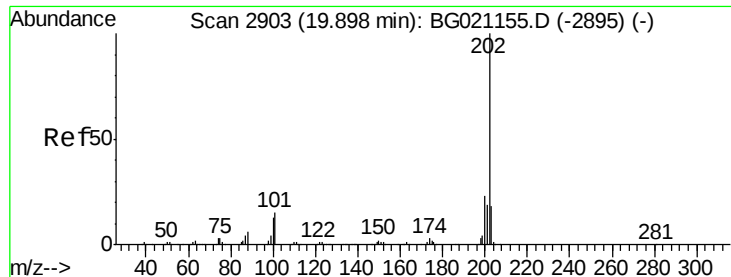


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

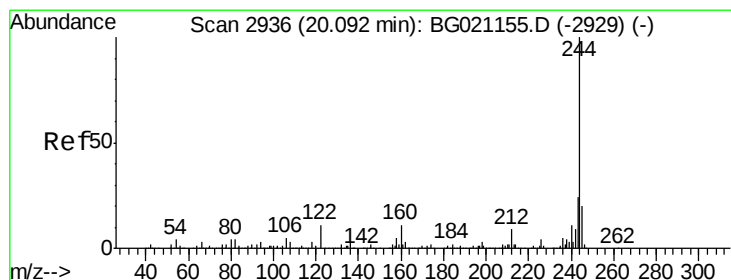
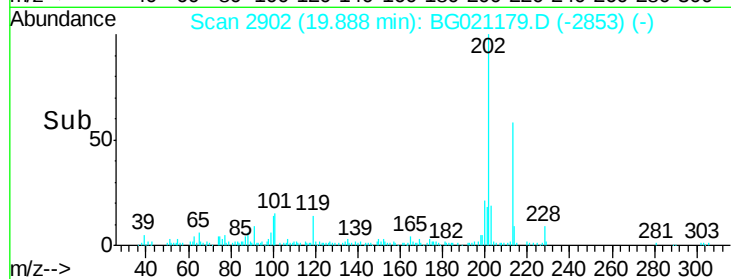
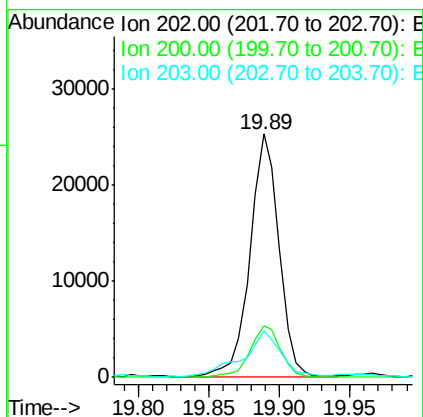
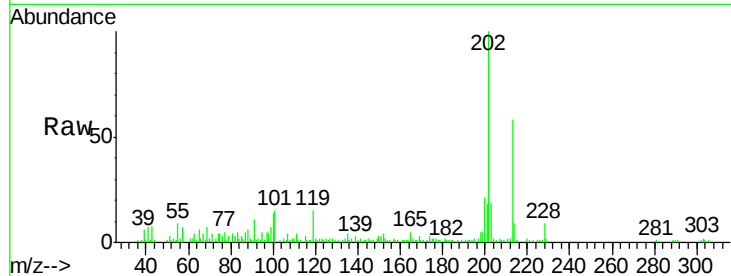




#77
Pyrene
Concen: 8.04 ng
RT: 19.89 min Scan# 2902
Delta R.T. -0.01 min
Lab File: BG021179.D
Acq: 1 Mar 2016 8:48

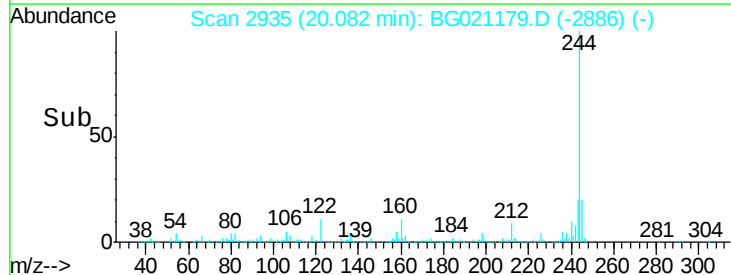
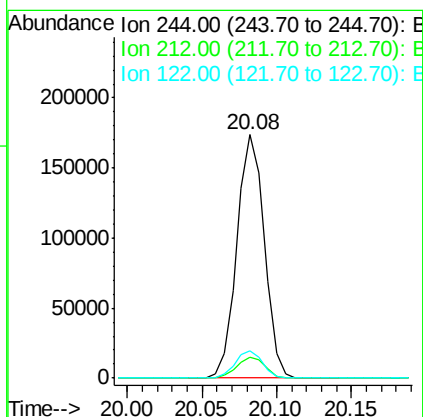
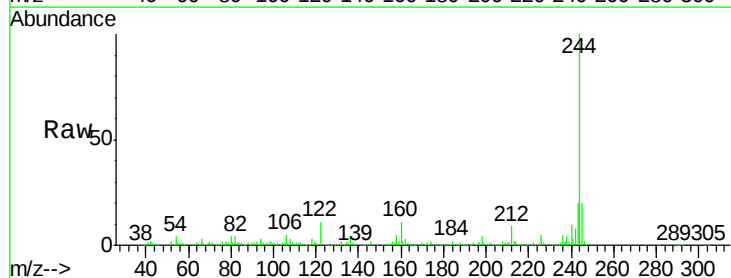
Instrument :
BNA_G
ClientSampleId :
SP-3(0-2)RE

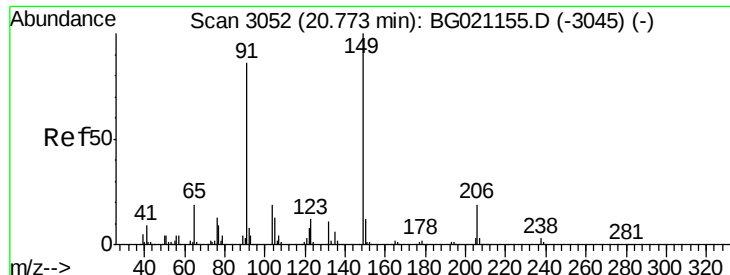
Tgt Ion:202 Resp: 37044
Ion Ratio Lower Upper
202 100
200 21.1 16.6 25.0
203 19.4 13.8 20.8



#78
Terphenyl-d14
Concen: 69.89 ng
RT: 20.08 min Scan# 2935
Delta R.T. -0.01 min
Lab File: BG021179.D
Acq: 1 Mar 2016 8:48

Tgt Ion:244 Resp: 222777
Ion Ratio Lower Upper
244 100
212 8.6 5.8 8.6
122 11.0 8.3 12.5





#79

Butylbenzylphthalate

Concen: 410.10 ng

RT: 20.78 min Scan# 3054

Delta R.T. 0.01 min

Lab File: BG021179.D

Acq: 1 Mar 2016 8:48

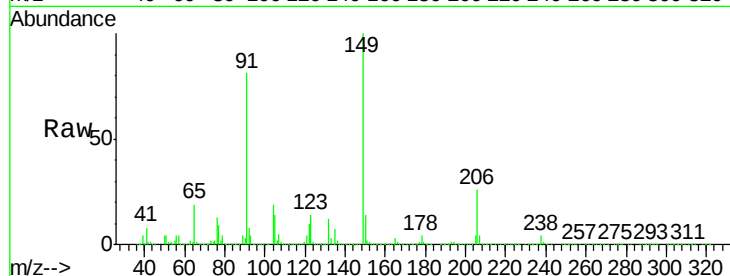
Instrument :

BNA_G

ClientSampleId :

SP-3(0-2)RE

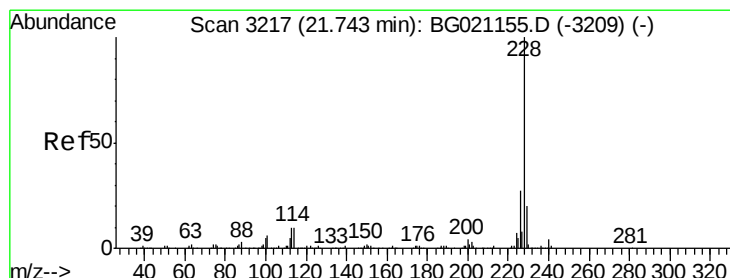
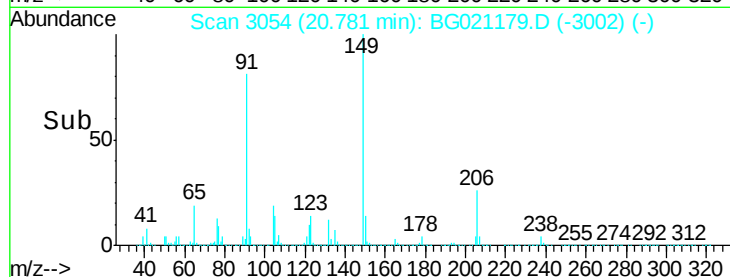
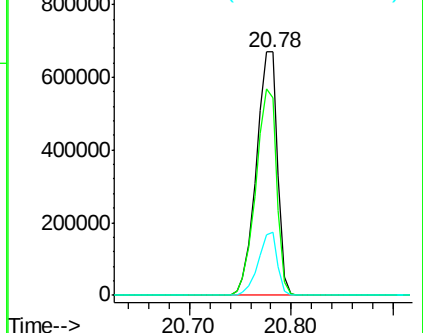
Tgt Ion:	149	Resp:	964095
Ion Ratio	Lower	Upper	
149	100		
91	81.1	58.6	87.8
206	25.8	14.2	21.4#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E



#80

Benzo(a)anthracene

Concen: 3.90 ng

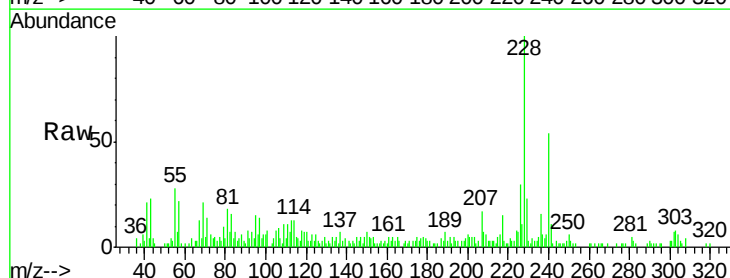
RT: 21.73 min Scan# 3216

Delta R.T. -0.01 min

Lab File: BG021179.D

Acq: 1 Mar 2016 8:48

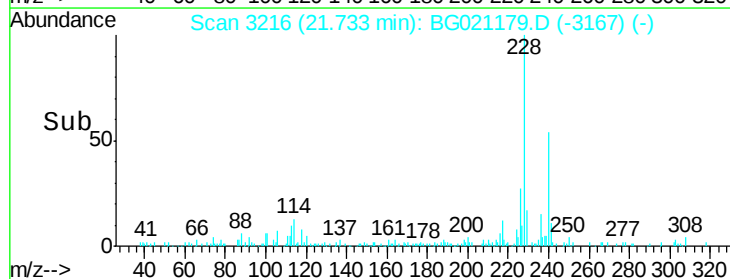
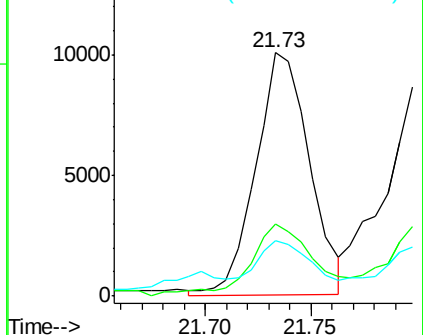
Tgt Ion:	228	Resp:	17820
Ion Ratio	Lower	Upper	
228	100		
226	29.5	22.7	34.1
229	23.0	15.5	23.3

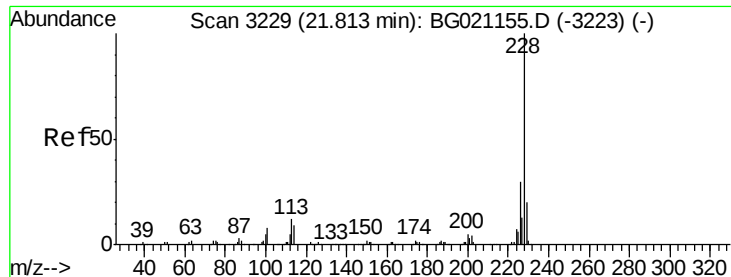


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 4.11 ng

RT: 21.73 min Scan# 3216

Delta R.T. -0.08 min

Lab File: BG021179.D

Acq: 1 Mar 2016 8:48

Instrument :

BNA_G

ClientSampleId :

SP-3(0-2)RE

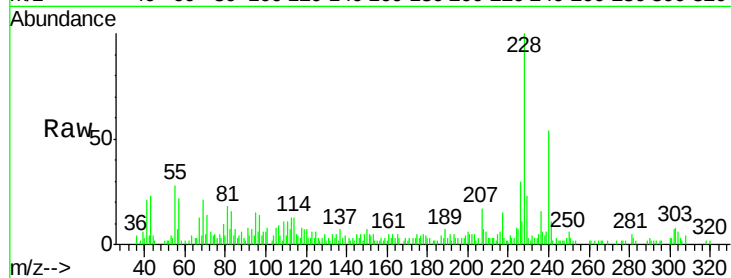
Tgt Ion:228 Resp: 17820

Ion Ratio Lower Upper

228 100

226 29.5 23.7 35.5

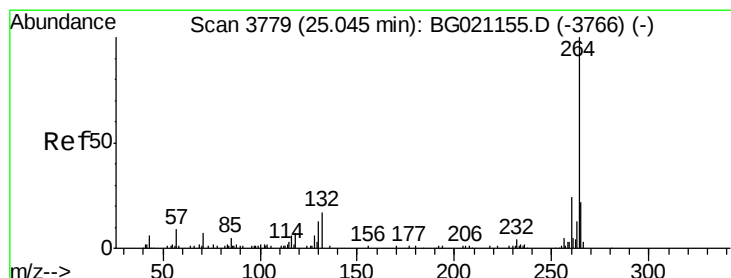
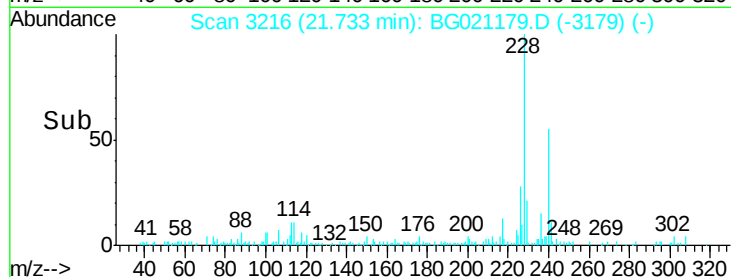
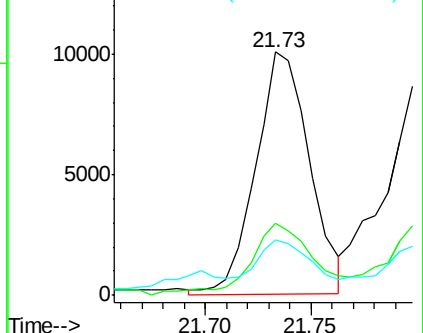
229 23.0 16.7 25.1



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 25.03 min Scan# 3777

Delta R.T. -0.02 min

Lab File: BG021179.D

Acq: 1 Mar 2016 8:48

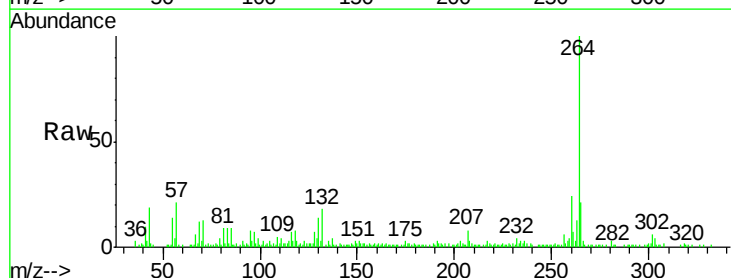
Tgt Ion:264 Resp: 71738

Ion Ratio Lower Upper

264 100

260 24.4 18.5 27.7

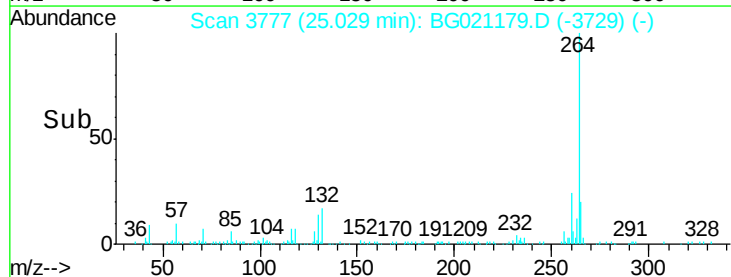
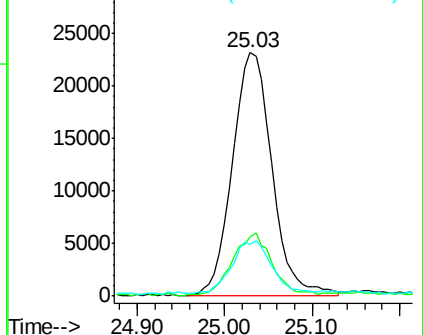
265 21.0 18.6 28.0

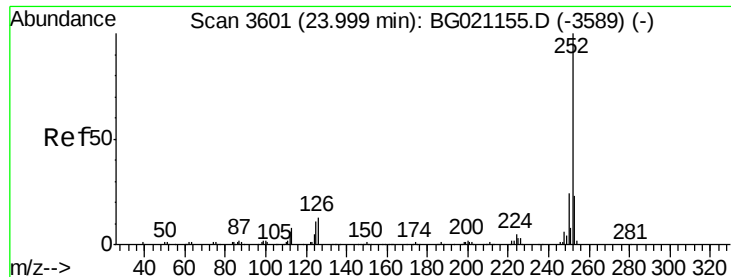


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 4.84 ng

RT: 23.99 min Scan# 3600

Delta R.T. -0.01 min

Lab File: BG021179.D

Acq: 1 Mar 2016 8:48

Instrument :

BNA_G

ClientSampleId :

SP-3(0-2)RE

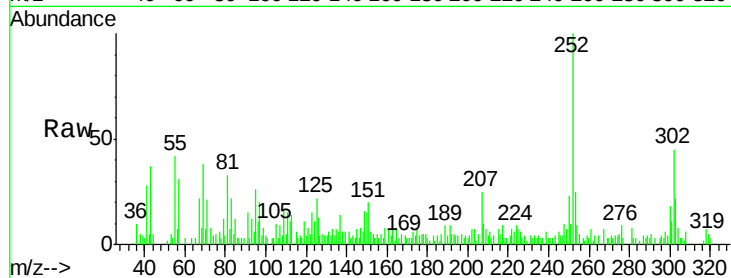
Tgt Ion:252 Resp: 21856

Ion Ratio Lower Upper

252 100

253 25.3 16.8 25.2#

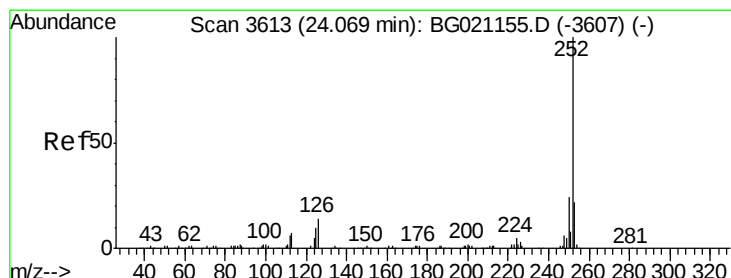
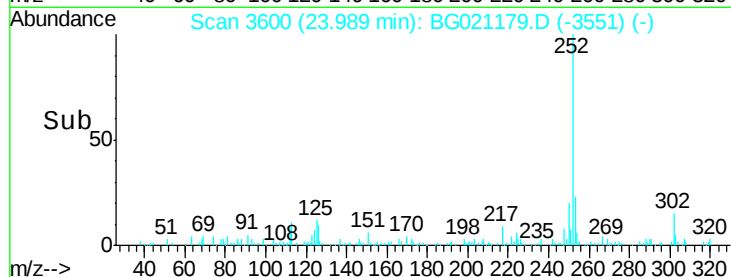
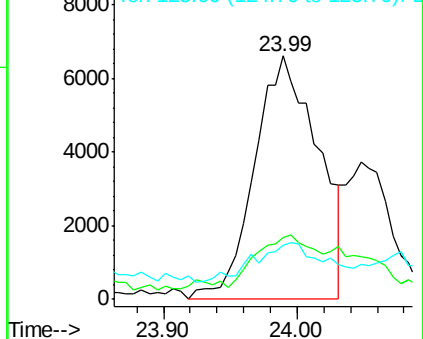
125 22.3 8.2 12.2#



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: 4.84 ng

RT: 23.99 min Scan# 3600

Delta R.T. -0.08 min

Lab File: BG021179.D

Acq: 1 Mar 2016 8:48

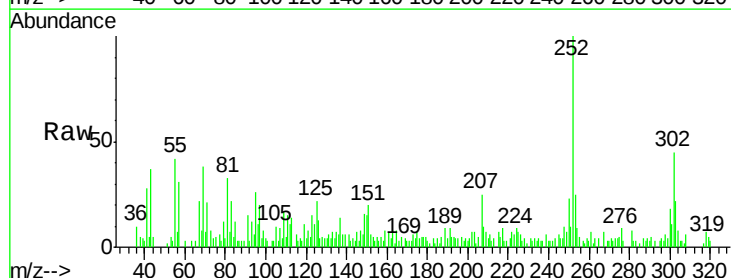
Tgt Ion:252 Resp: 21856

Ion Ratio Lower Upper

252 100

253 25.3 16.4 24.6#

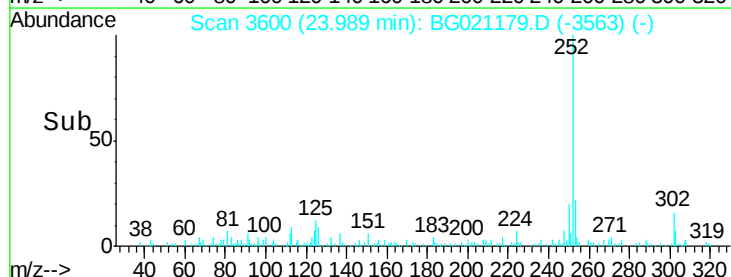
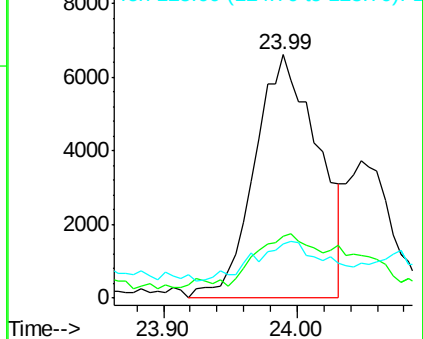
125 22.3 8.2 12.2#

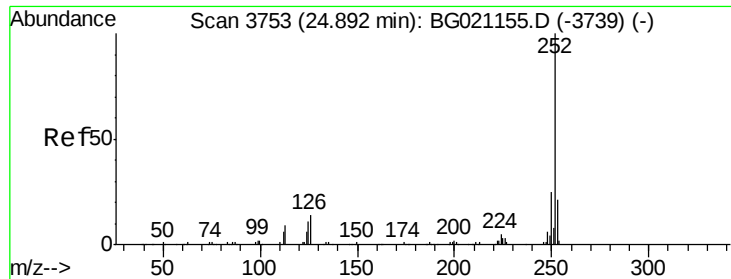


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 3.46 ng

RT: 24.87 min Scan# 3750

Delta R.T. -0.02 min

Lab File: BG021179.D

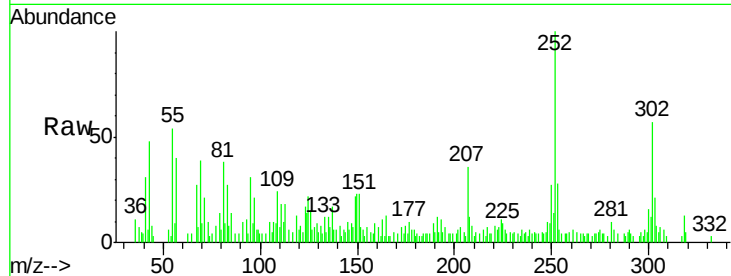
Acq: 1 Mar 2016 8:48

Instrument :

BNA_G

ClientSampleId :

SP-3(0-2)RE



Tgt Ion:	252	Resp:	15080
Ion Ratio	Lower	Upper	
252	100		
253	27.8	15.8	23.8#
125	22.0	8.4	12.6#

