

Data Path : S:\HPCHEM1\BNA_G\DATA\BG022916\
 Data File : BG021185.D
 Acq On : 1 Mar 2016 12:44
 Operator : UM/SJ
 Sample : H1521-05RE
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

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

Quant Time: Mar 01 13:47:45 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

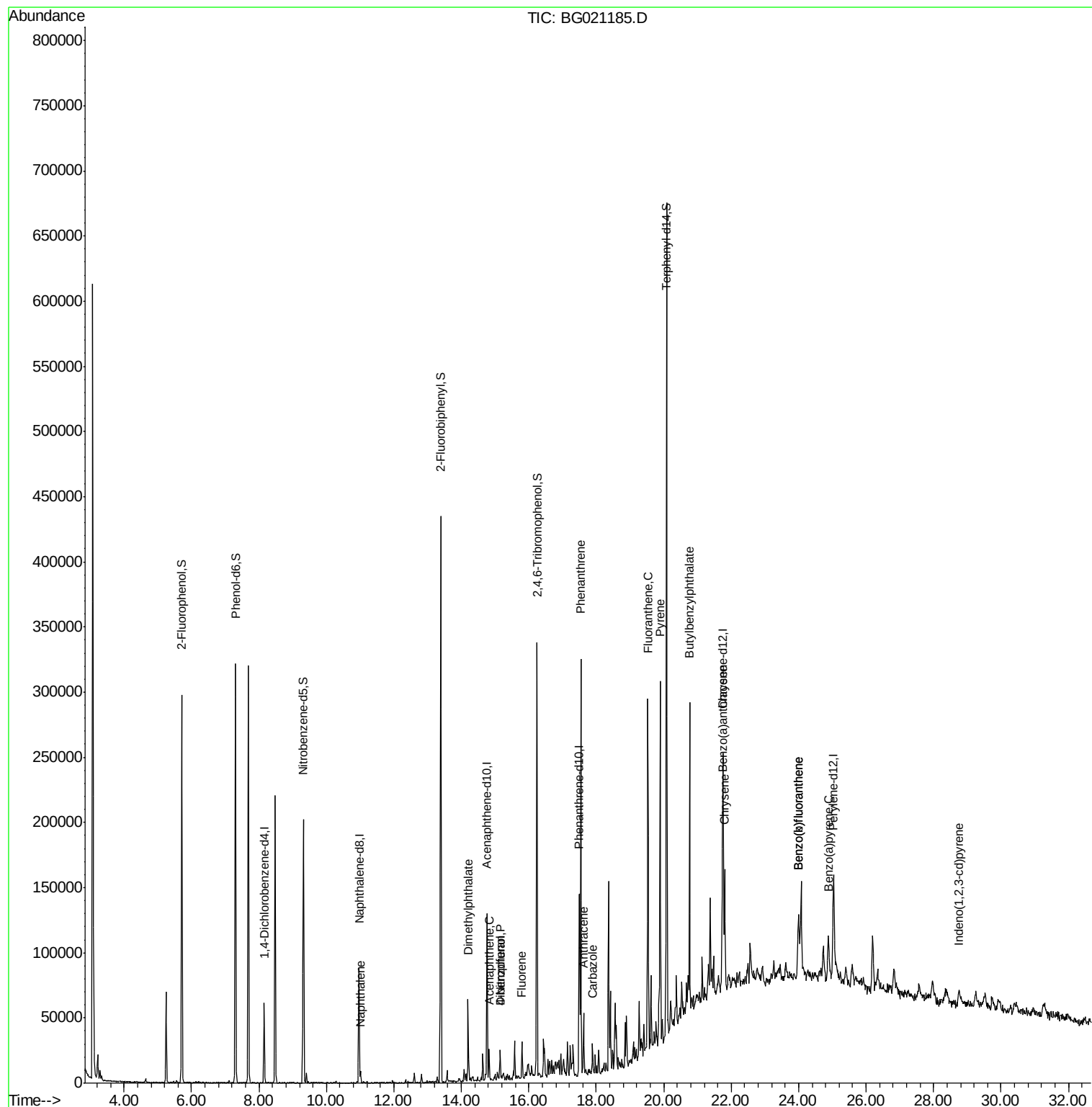
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	15758	20.00	ng	0.00
21) Naphthalene-d8	10.96	136	70561	20.00	ng	0.00
38) Acenaphthene-d10	14.76	164	38281	20.00	ng	0.00
63) Phenanthrene-d10	17.50	188	80791	20.00	ng	0.00
75) Chrysene-d12	21.76	240	84409	20.00	ng	0.00
86) Perylene-d12	25.04	264	76171	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.71	112	117073	118.11	ng	0.00
7) Phenol-d6	7.30	99	177881	109.14	ng	0.00
23) Nitrobenzene-d5	9.32	82	130904	78.50	ng	0.00
41) 2,4,6-Tribromophenol	16.24	330	41807	104.97	ng	0.00
44) 2-Fluorobiphenyl	13.38	172	201950	74.91	ng	0.00
78) Terphenyl-d14	20.08	244	228879	65.69	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	11.01	128	7555	2.05	ng	98
49) Dimethylphthalate	14.20	163	33593	9.85	ng	100
51) Acenaphthene	14.82	154	7599	2.99	ng	97
54) Dibenzofuran	15.15	168	10095	2.98	ng	# 88
55) 4-Nitrophenol	15.15	139	4528	6.89	ng	# 7
57) Fluorene	15.80	166	11094	3.43	ng	98
70) Phenanthrene	17.54	178	174136	39.94	ng	99
71) Anthracene	17.63	178	27247	6.11	ng	98
72) Carbazole	17.89	167	12972	3.28	ng	# 92
74) Fluoranthene	19.54	202	153565	29.98	ng	98
77) Pyrene	19.89	202	152489	30.28	ng	98
79) Butylbenzylphthalate	20.76	149	60021	23.36	ng	# 83
80) Benzo(a)anthracene	21.73	228	56249	11.26	ng	98
82) Chrysene	21.80	228	57451	12.13	ng	97
85) Indeno(1,2,3-cd)pyrene	28.76	276	18060	3.33	ng	# 100
87) Benzo(b)fluoranthene	24.00	252	51532	10.76	ng	# 94
88) Benzo(k)fluoranthene	24.00	252	51496	10.73	ng	# 93
89) Benzo(a)pyrene	24.88	252	37763	8.15	ng	# 91

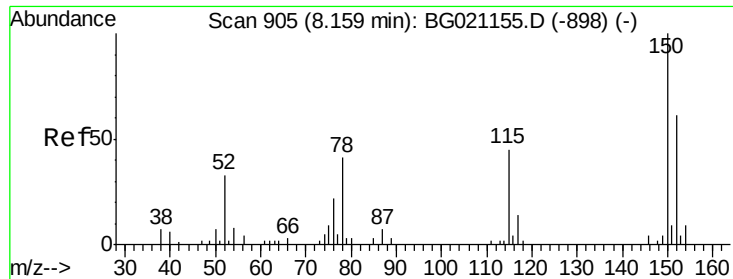
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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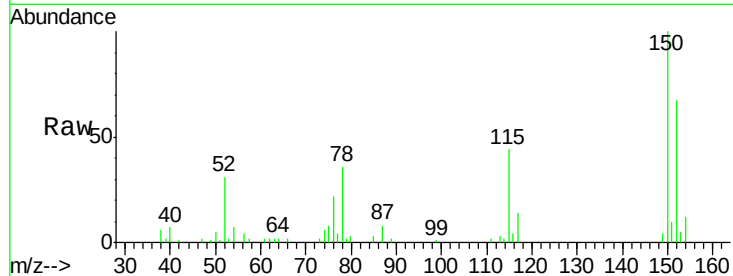


#1

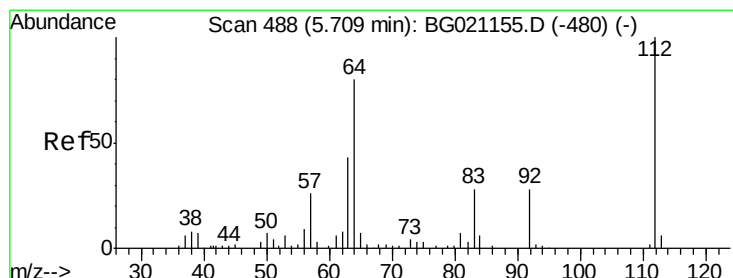
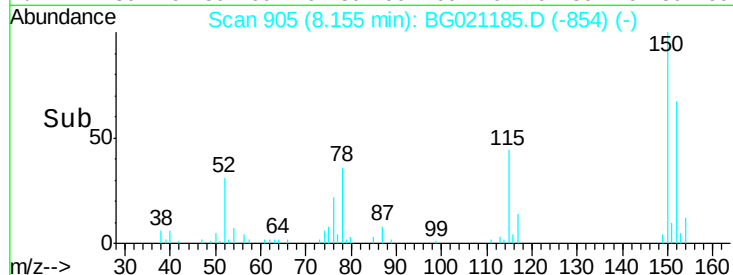
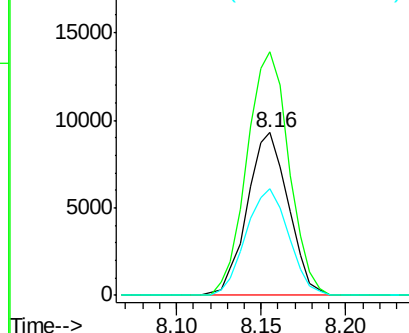
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.16 min Scan# 905
Delta R.T. -0.00 min
Lab File: BG021185.D
Acq: 1 Mar 2016 12:44

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

Tgt Ion:152 Resp: 15758
Ion Ratio Lower Upper
152 100
150 149.6 123.4 185.2
115 65.6 43.3 64.9#



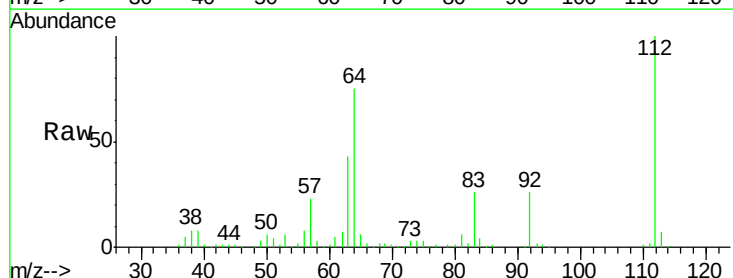
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



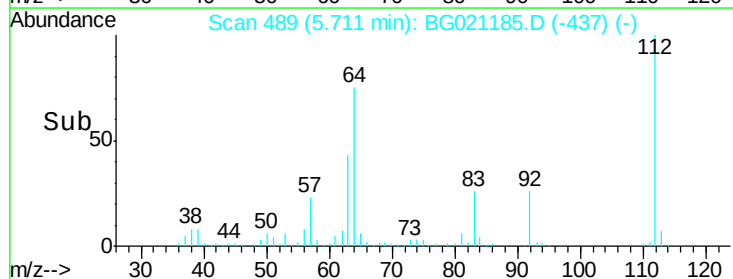
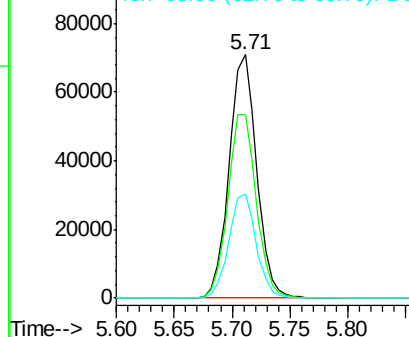
#5

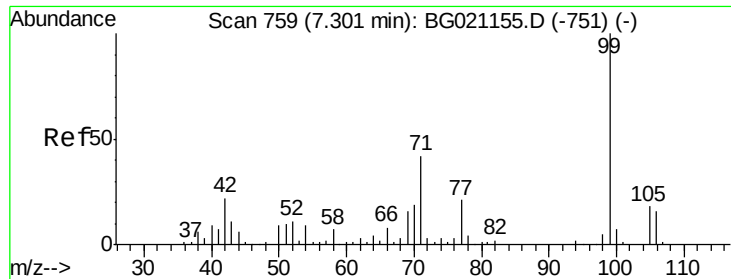
2-Fluorophenol
Concen: 118.11 ng
RT: 5.71 min Scan# 489
Delta R.T. 0.00 min
Lab File: BG021185.D
Acq: 1 Mar 2016 12:44

Tgt Ion:112 Resp: 117073
Ion Ratio Lower Upper
112 100
64 75.2 42.6 63.8#
63 42.9 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: 109.14 ng

RT: 7.30 min Scan# 760

Delta R.T. 0.00 min

Lab File: BG021185.D

Acq: 1 Mar 2016 12:44

Instrument :

BNA_G

ClientSampled :

SP-2(0-2)RE

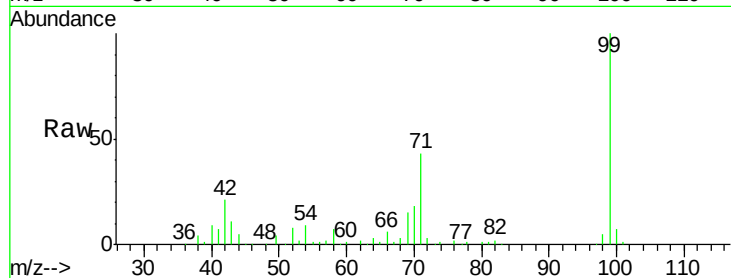
Tgt Ion: 99 Resp: 177881

Ion Ratio Lower Upper

99 100

42 21.1 13.2 19.8#

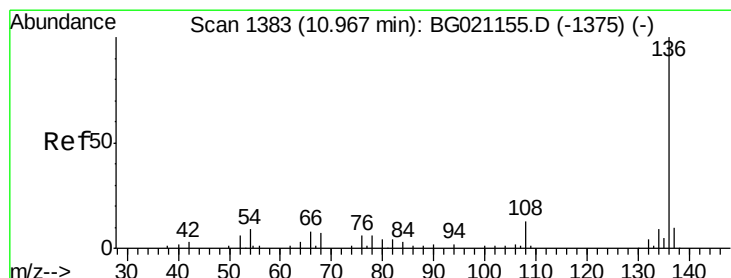
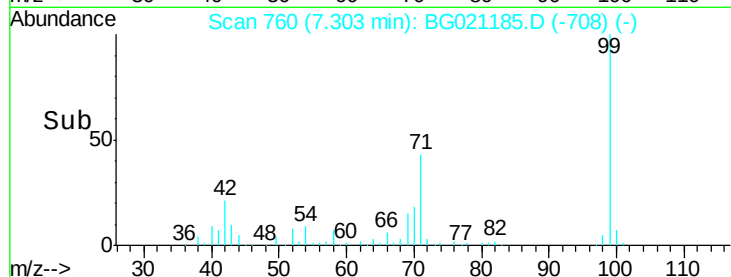
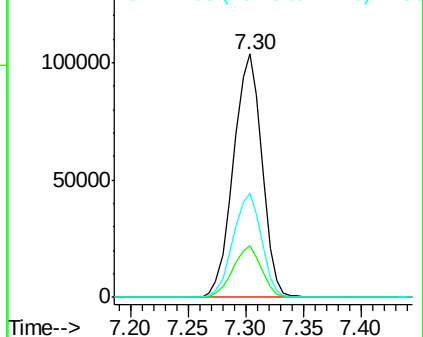
71 43.0 25.2 37.8#



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# 1383

Delta R.T. -0.00 min

Lab File: BG021185.D

Acq: 1 Mar 2016 12:44

Tgt Ion:136 Resp: 70561

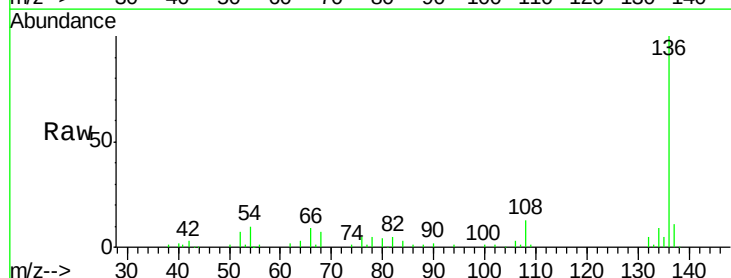
Ion Ratio Lower Upper

136 100

137 10.7 8.8 13.2

54 10.1 6.9 10.3

68 7.2 5.8 8.6

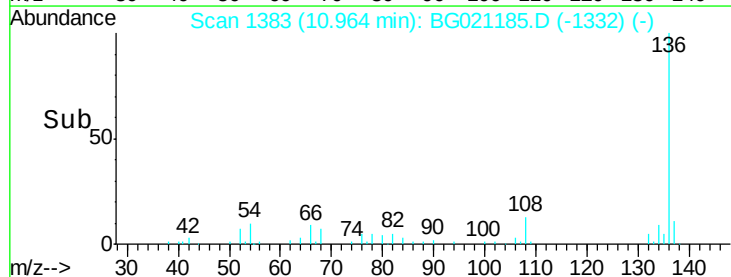
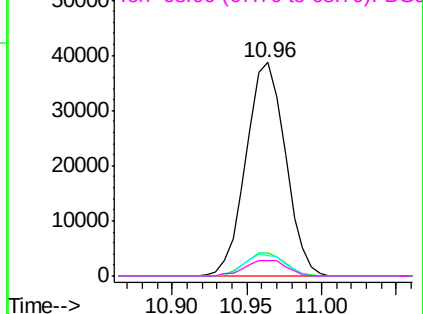


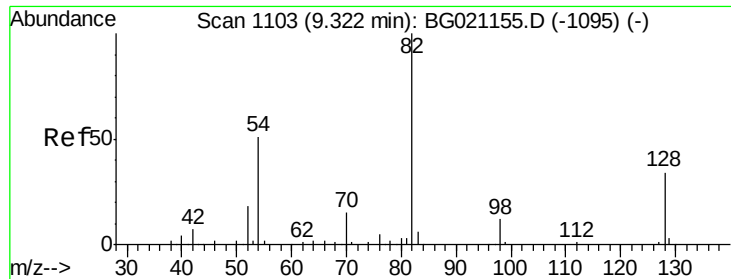
Abundance Ion 136.00 (135.70 to 136.70): BGC

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

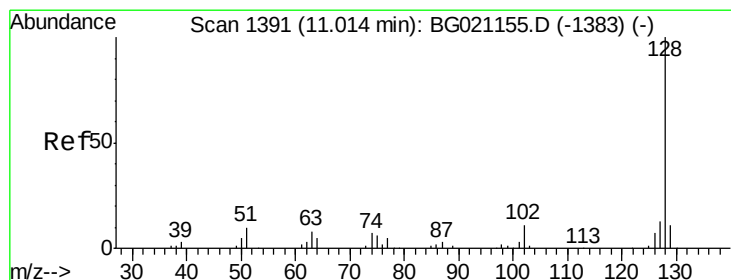
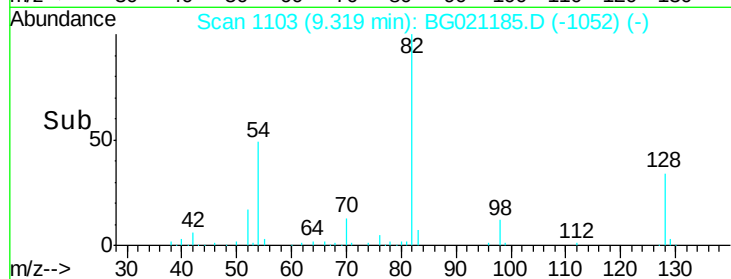
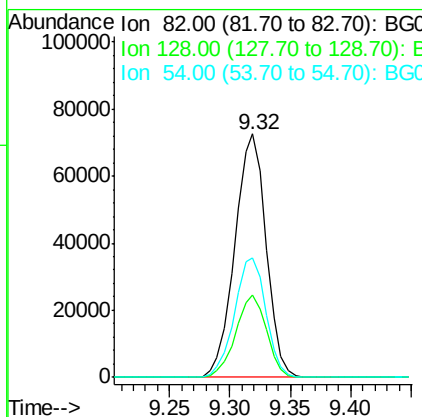
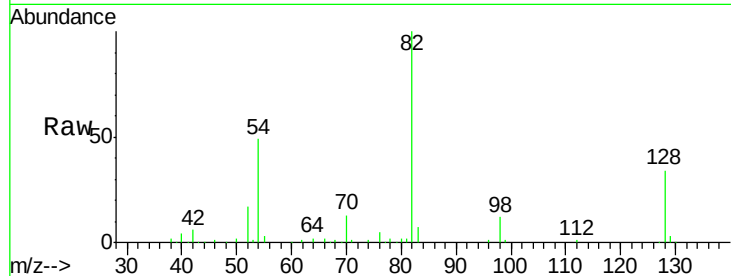




#23
 Nitrobenzene-d5
 Concen: 78.50 ng
 RT: 9.32 min Scan# 1103
 Delta R.T. -0.00 min
 Lab File: BG021185.D
 Acq: 1 Mar 2016 12:44

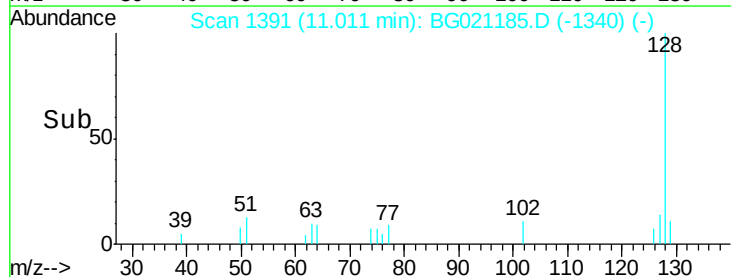
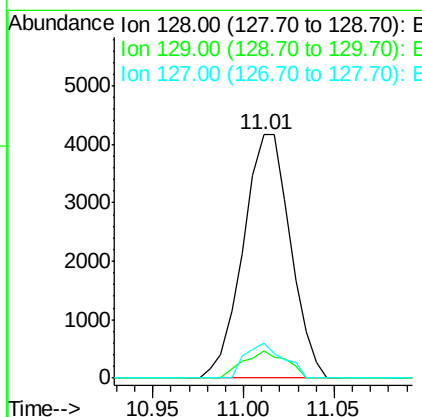
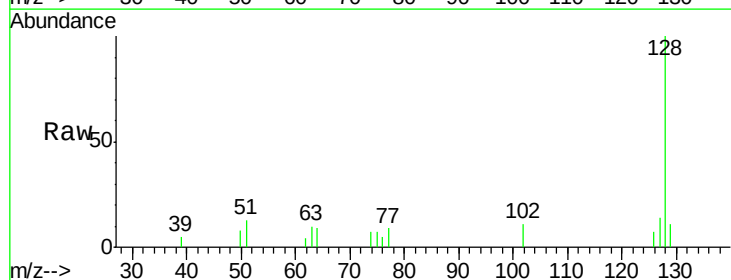
Instrument :
 BNA_G
 ClientSampleId :
 SP-2(0-2)RE

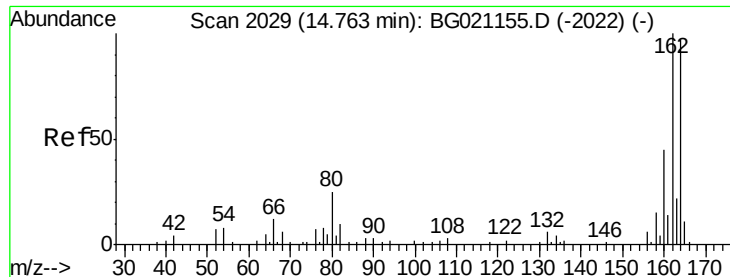
Tgt Ion: 82 Resp: 130904
 Ion Ratio Lower Upper
 82 100
 128 34.0 36.3 54.5#
 54 49.0 37.6 56.4



#31
 Naphthalene
 Concen: 2.05 ng
 RT: 11.01 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: BG021185.D
 Acq: 1 Mar 2016 12:44

Tgt Ion: 128 Resp: 7555
 Ion Ratio Lower Upper
 128 100
 129 11.1 9.4 14.2
 127 14.2 10.8 16.2





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.76 min Scan# 2029

Delta R.T. -0.00 min

Lab File: BG021185.D

Acq: 1 Mar 2016 12:44

Instrument :

BNA_G

ClientSampleId :

SP-2(0-2)RE

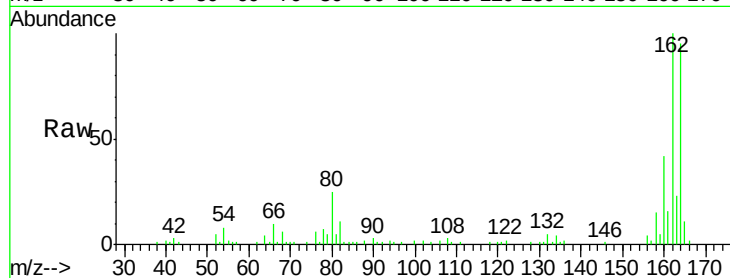
Tgt Ion:164 Resp: 38281

Ion Ratio Lower Upper

164 100

162 105.8 80.6 120.8

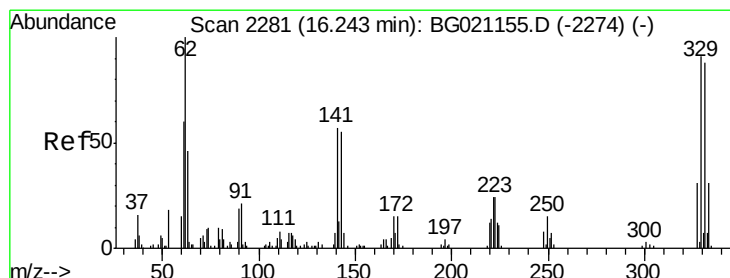
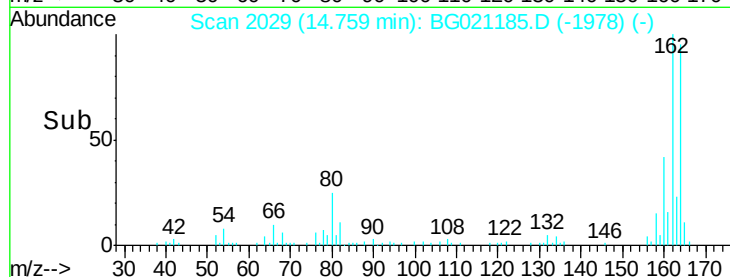
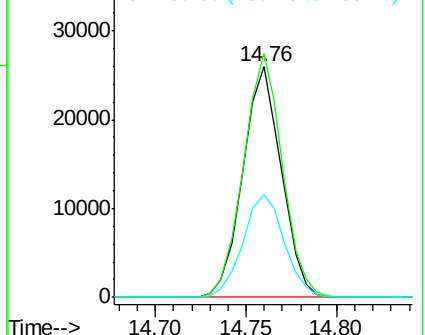
160 44.9 36.5 54.7



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: 104.97 ng

RT: 16.24 min Scan# 2281

Delta R.T. -0.00 min

Lab File: BG021185.D

Acq: 1 Mar 2016 12:44

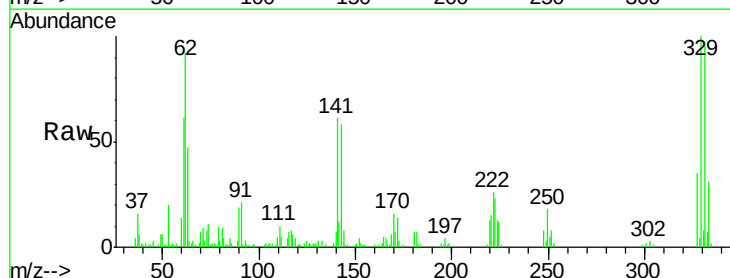
Tgt Ion:330 Resp: 41807

Ion Ratio Lower Upper

330 100

332 95.3 77.4 116.0

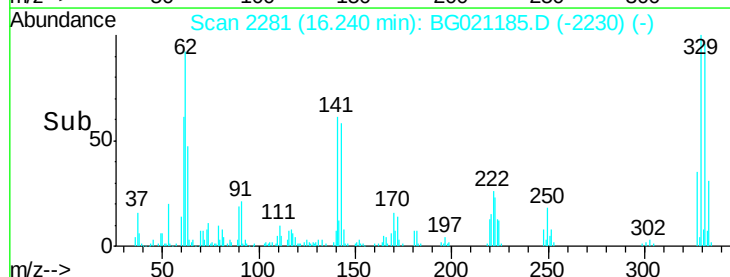
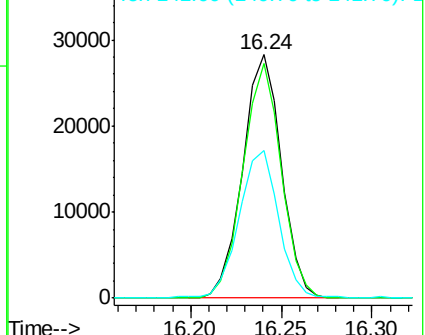
141 62.5 35.3 52.9#

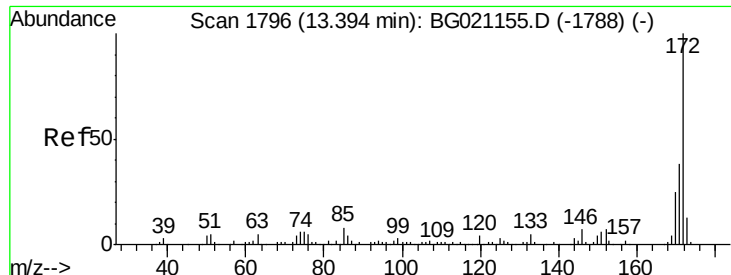


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

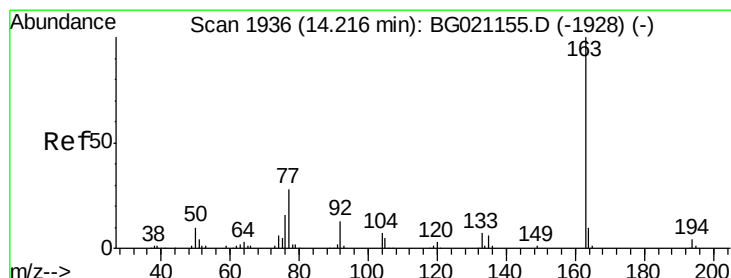
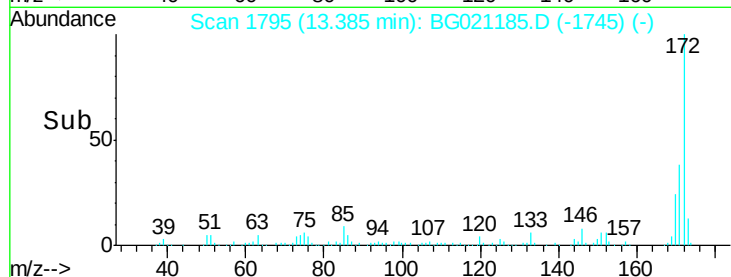
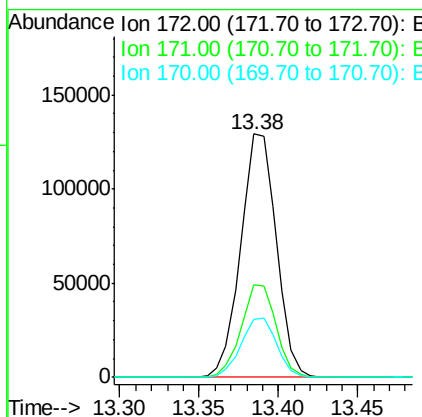
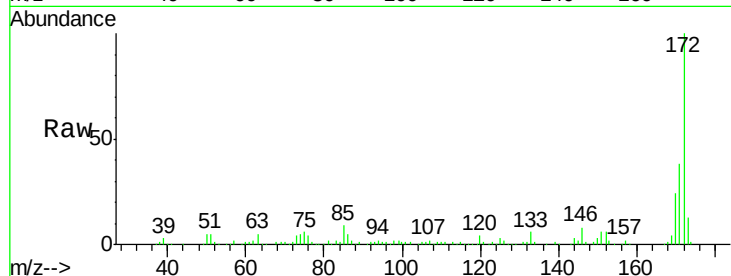




#44
 2-Fluorobiphenyl
 Concen: 74.91 ng
 RT: 13.38 min Scan# 1795
 Delta R.T. -0.01 min
 Lab File: BG021185.D
 Acq: 1 Mar 2016 12:44

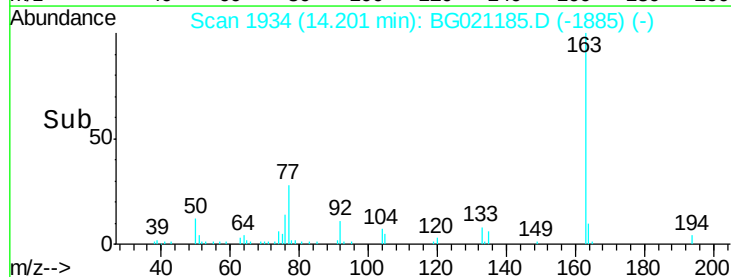
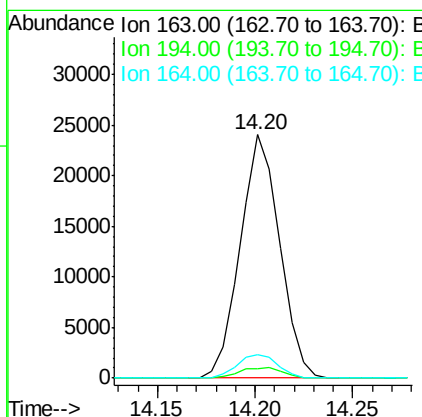
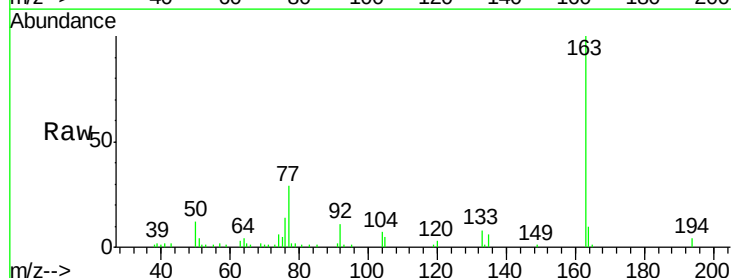
Instrument :
 BNA_G
 ClientSampleId :
 SP-2(0-2)RE

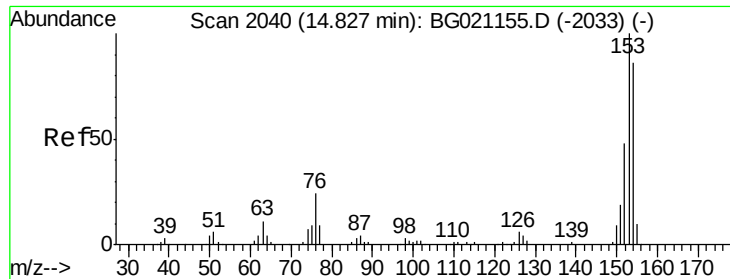
Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.0	29.4	44.0
170	23.6	19.8	29.8



#49
 Dimethylphthalate
 Concen: 9.85 ng
 RT: 14.20 min Scan# 1934
 Delta R.T. -0.02 min
 Lab File: BG021185.D
 Acq: 1 Mar 2016 12:44

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.8	2.8	4.2
164	9.9	7.9	11.9





#51

Acenaphthene

Concen: 2.99 ng

RT: 14.82 min Scan# 2040

Delta R.T. -0.00 min

Lab File: BG021185.D

Acq: 1 Mar 2016 12:44

Instrument :

BNA_G

ClientSampleId :

SP-2(0-2)RE

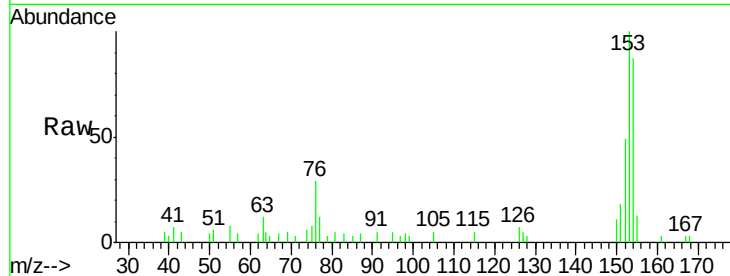
Tgt Ion:154 Resp: 7599

Ion Ratio Lower Upper

154 100

153 114.3 94.2 141.2

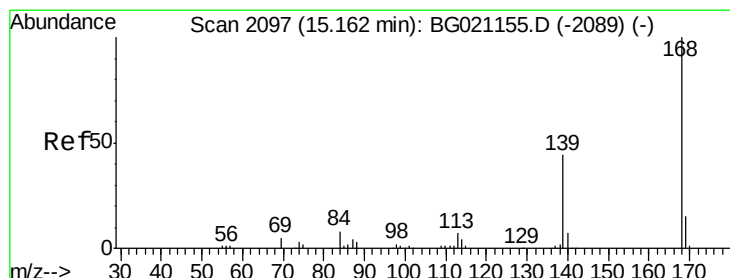
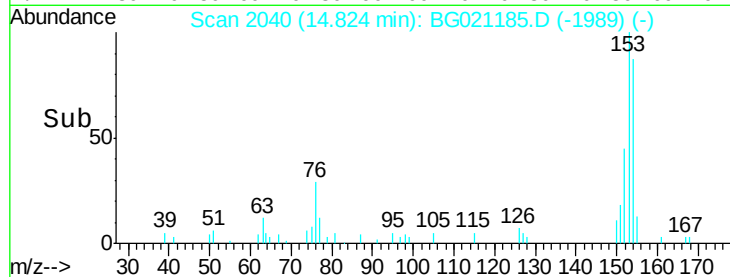
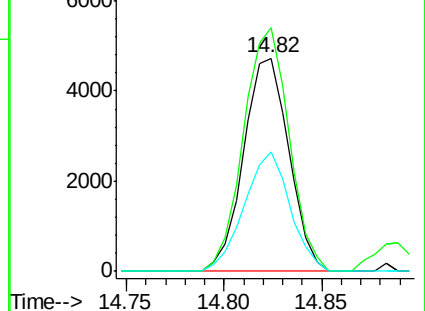
152 55.9 42.9 64.3



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: 2.98 ng

RT: 15.15 min Scan# 2096

Delta R.T. -0.01 min

Lab File: BG021185.D

Acq: 1 Mar 2016 12:44

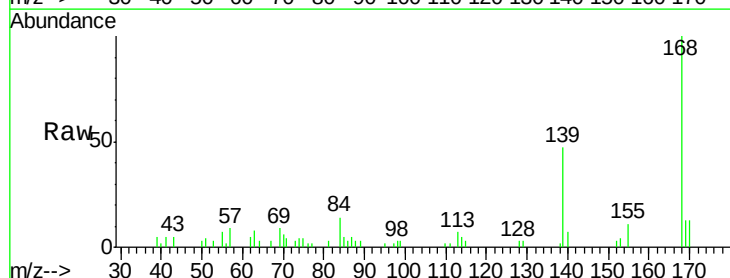
Tgt Ion:168 Resp: 10095

Ion Ratio Lower Upper

168 100

139 46.8 29.8 44.8#

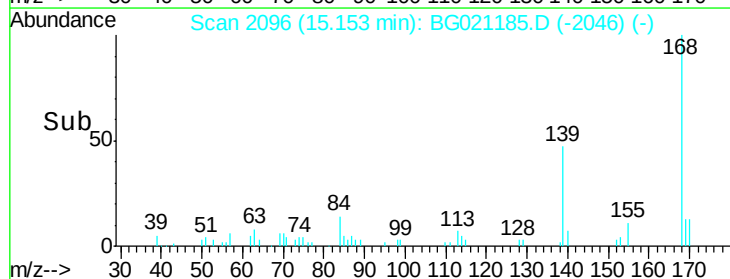
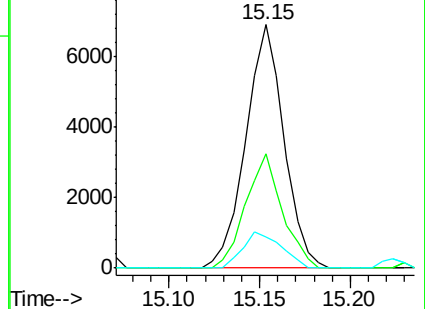
169 13.0 11.4 17.2

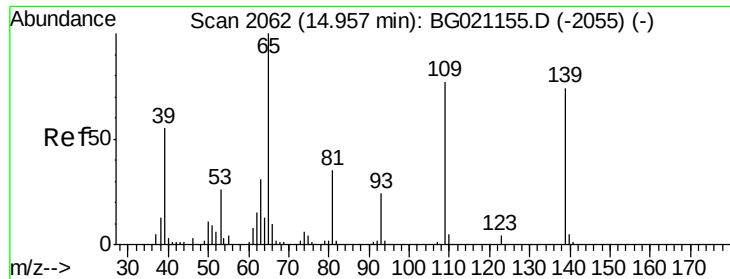


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

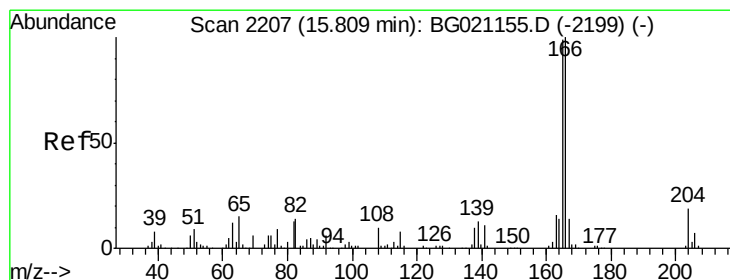
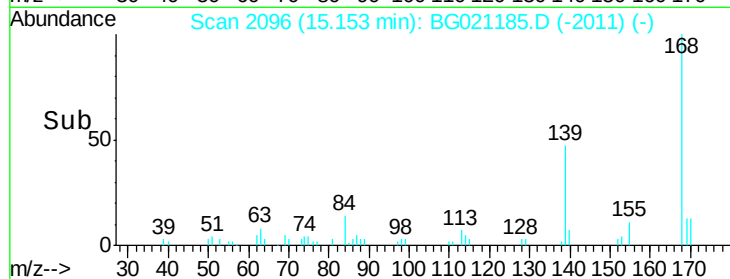
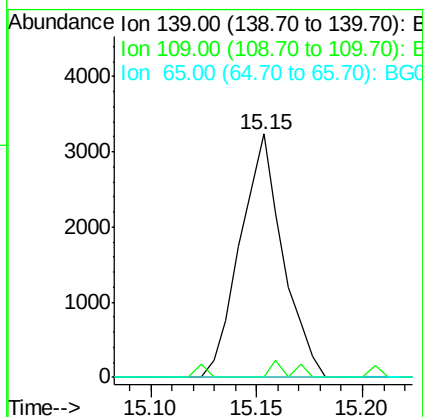
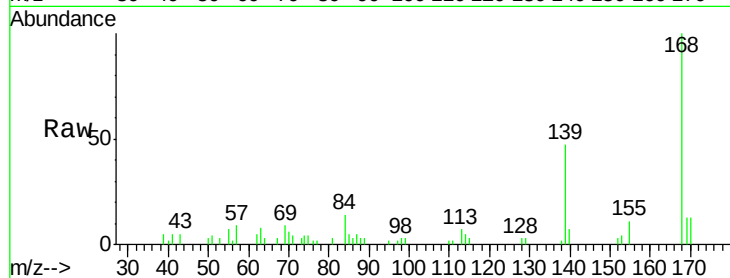




#55
4-Nitrophenol
Concen: 6.89 ng
RT: 15.15 min Scan# 2096
Delta R.T. 0.20 min
Lab File: BG021185.D
Acq: 1 Mar 2016 12:44

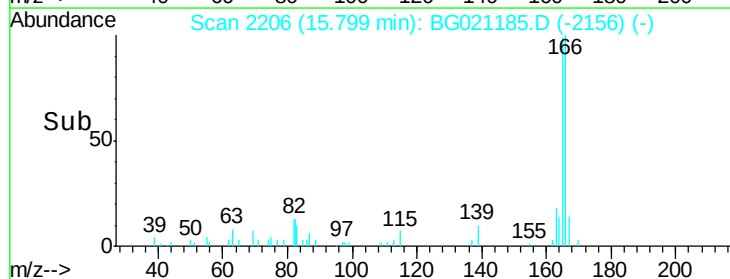
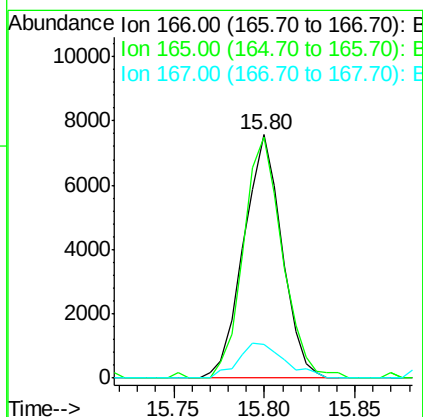
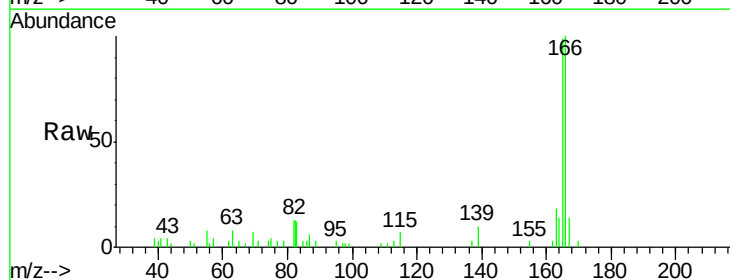
Instrument :
BNA_G
ClientSampleId :
SP-2(0-2)RE

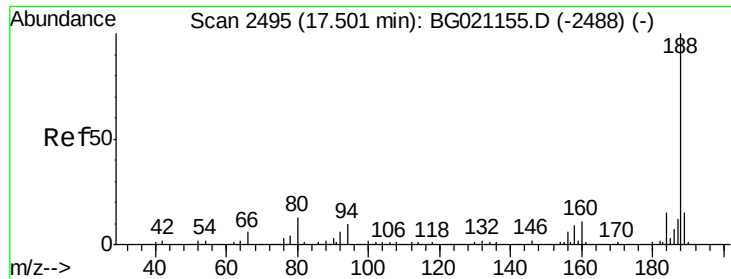
Tgt Ion:139 Resp: 4528
Ion Ratio Lower Upper
139 100
109 0.0 54.1 94.1#
65 0.0 73.4 113.4#



#57
Fluorene
Concen: 3.43 ng
RT: 15.80 min Scan# 2206
Delta R.T. -0.01 min
Lab File: BG021185.D
Acq: 1 Mar 2016 12:44

Tgt Ion:166 Resp: 11094
Ion Ratio Lower Upper
166 100
165 99.0 81.3 121.9
167 14.1 10.6 16.0

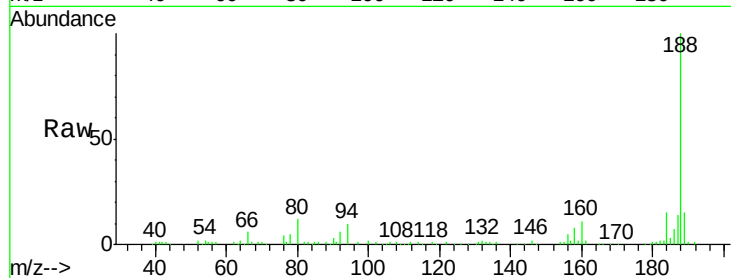




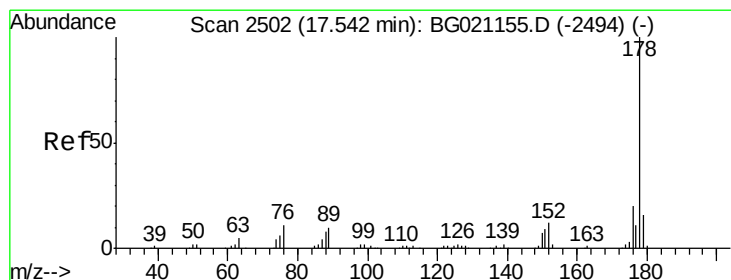
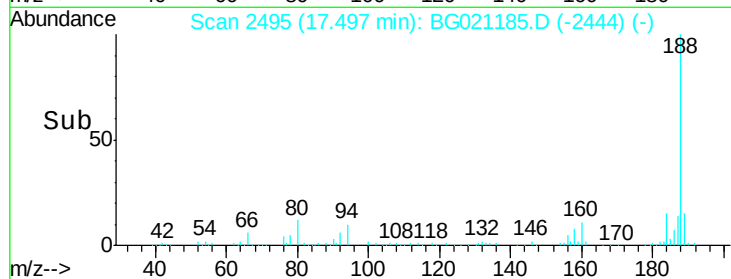
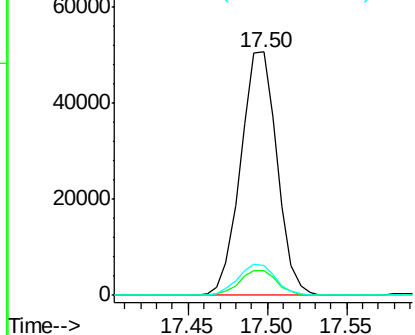
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 17.50 min Scan# 2495
 Delta R.T. -0.00 min
 Lab File: BG021185.D
 Acq: 1 Mar 2016 12:44

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

Tgt Ion:188 Resp: 80791
 Ion Ratio Lower Upper
 188 100
 94 10.4 8.2 12.4
 80 12.4 9.2 13.8

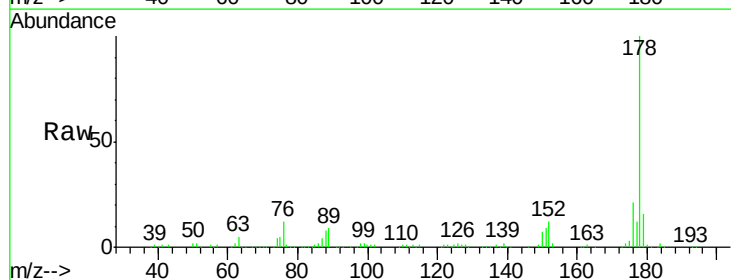


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BGC
 Ion 80.00 (79.70 to 80.70): BGC

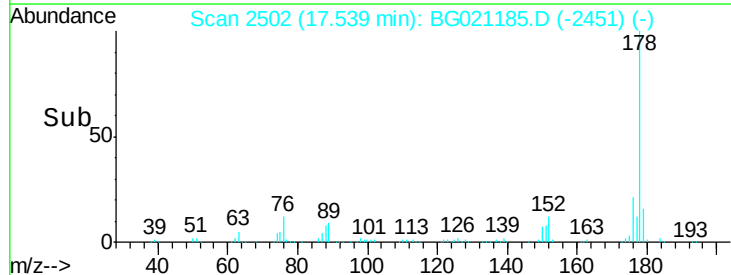
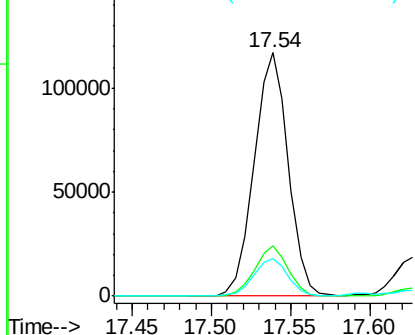


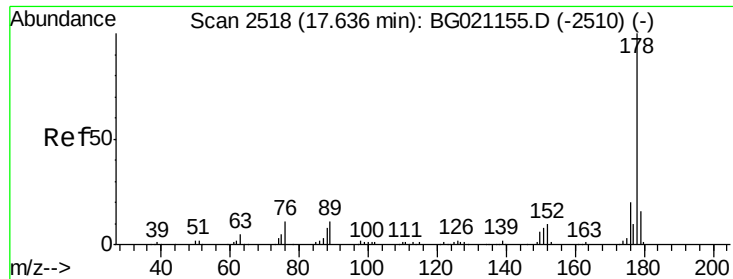
#70
 Phenanthrene
 Concen: 39.94 ng
 RT: 17.54 min Scan# 2502
 Delta R.T. -0.00 min
 Lab File: BG021185.D
 Acq: 1 Mar 2016 12:44

Tgt Ion:178 Resp: 174136
 Ion Ratio Lower Upper
 178 100
 176 20.7 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

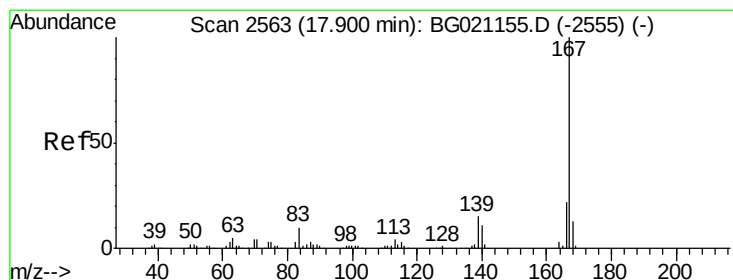
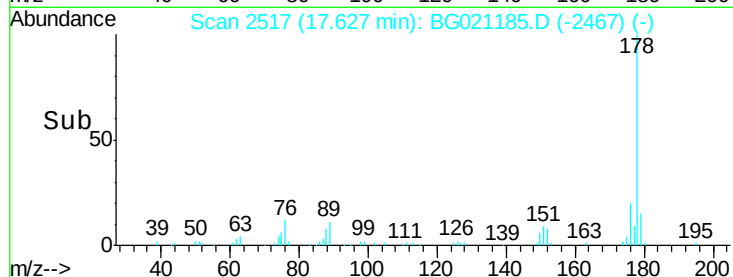
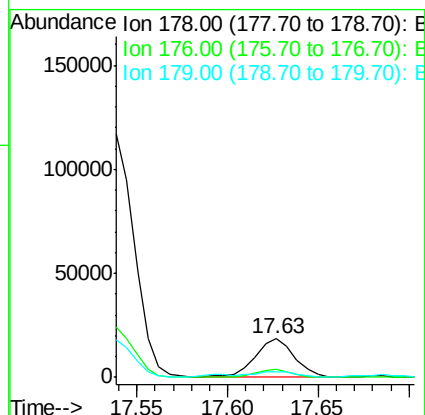
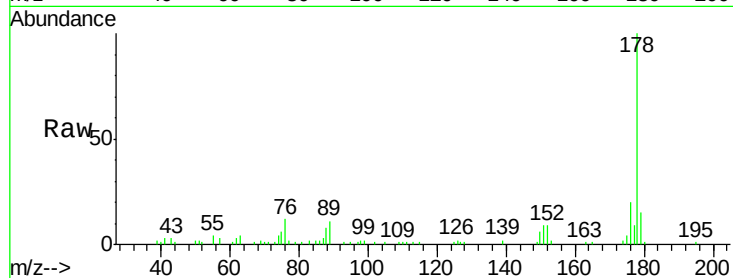




#71
 Anthracene
 Concen: 6.11 ng
 RT: 17.63 min Scan# 2517
 Delta R.T. -0.01 min
 Lab File: BG021185.D
 Acq: 1 Mar 2016 12:44

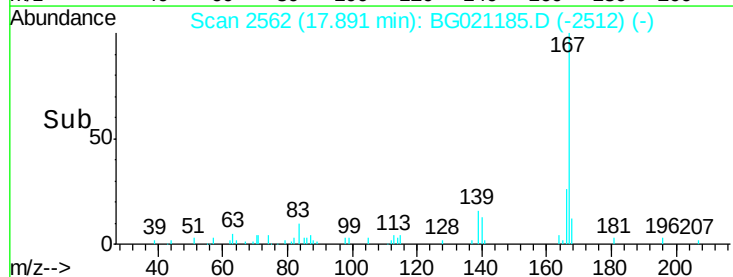
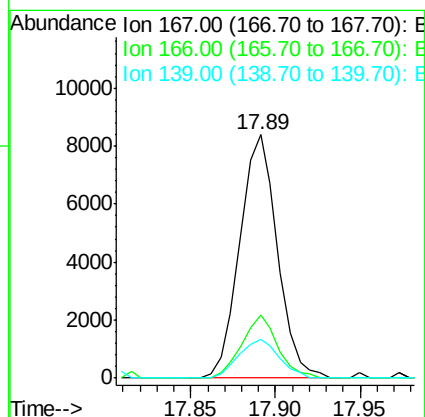
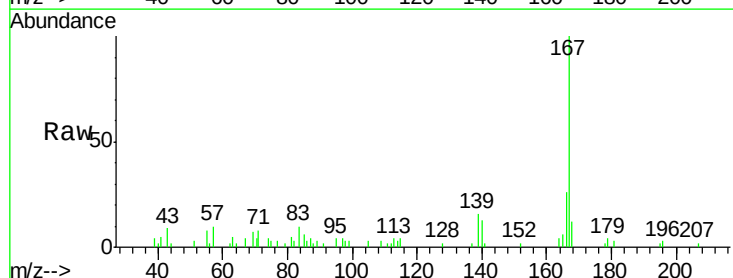
Instrument :
 BNA_G
 ClientSampleId :
 SP-2(0-2)RE

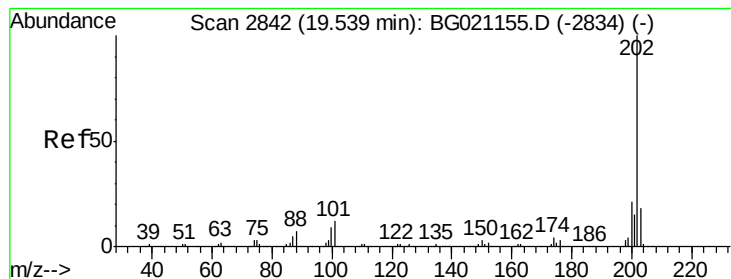
Tgt Ion:178 Resp: 27247
 Ion Ratio Lower Upper
 178 100
 176 19.5 14.8 22.2
 179 15.4 12.6 19.0



#72
 Carbazole
 Concen: 3.28 ng
 RT: 17.89 min Scan# 2562
 Delta R.T. -0.01 min
 Lab File: BG021185.D
 Acq: 1 Mar 2016 12:44

Tgt Ion:167 Resp: 12972
 Ion Ratio Lower Upper
 167 100
 166 25.9 17.5 26.3
 139 16.0 10.3 15.5#





#74

Fluoranthene

Concen: 29.98 ng

RT: 19.54 min Scan# 2842

Delta R.T. -0.00 min

Lab File: BG021185.D

Acq: 1 Mar 2016 12:44

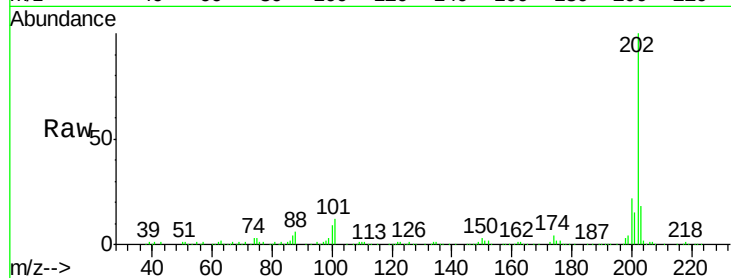
Instrument :

BNA_G

ClientSampleId :

SP-2(0-2)RE

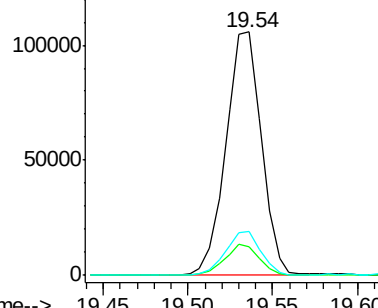
Tgt Ion:	202	Resp:	153565
Ion	Ratio	Lower	Upper
202	100		
101	11.7	0.0	32.5
203	18.1	0.0	37.6



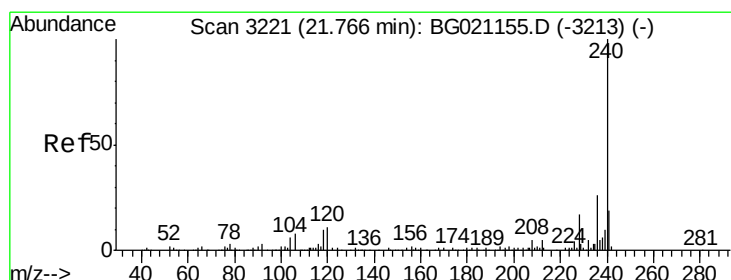
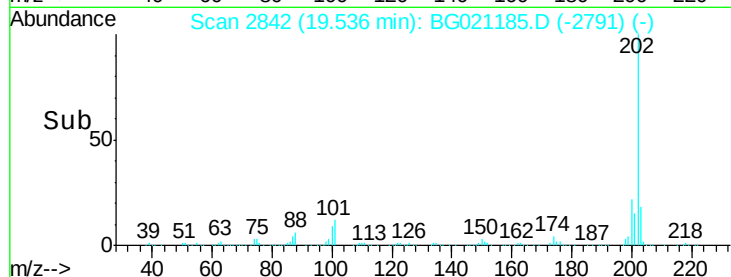
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



Time--> 19.45 19.50 19.55 19.60



#75

Chrysene-d12

Concen: 20.00 ng

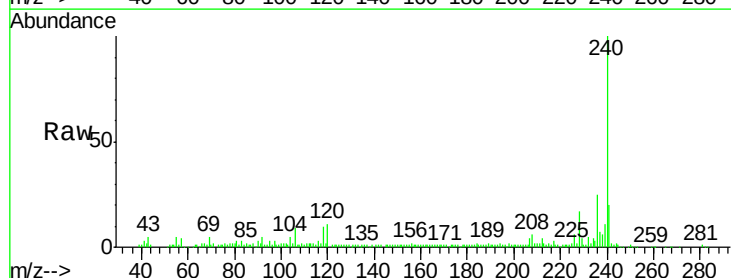
RT: 21.76 min Scan# 3220

Delta R.T. -0.01 min

Lab File: BG021185.D

Acq: 1 Mar 2016 12:44

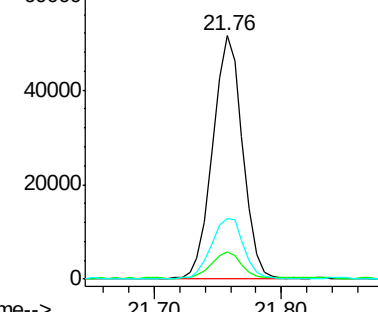
Tgt Ion:	240	Resp:	84409
Ion	Ratio	Lower	Upper
240	100		
120	11.5	7.5	11.3#
236	24.8	20.5	30.7



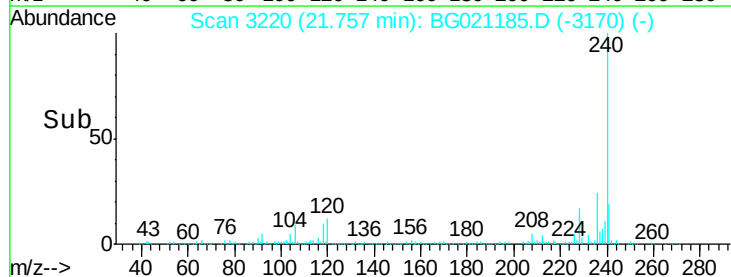
Abundance Ion 240.00 (239.70 to 240.70): E

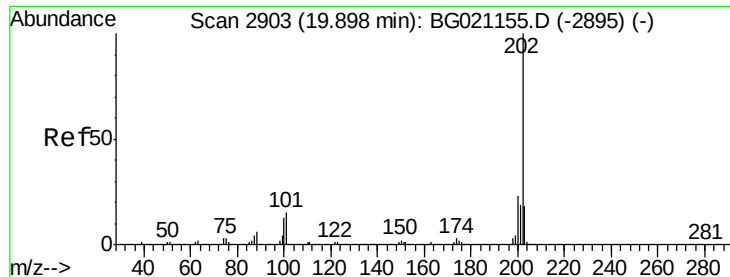
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time--> 21.70 21.80

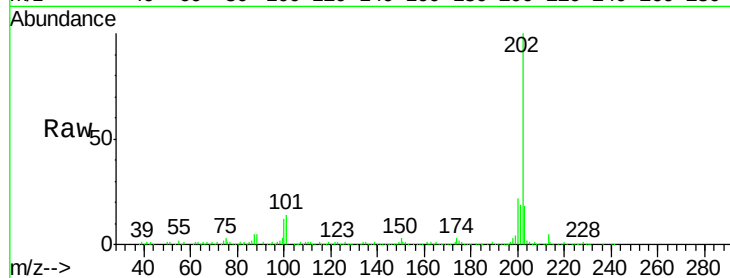




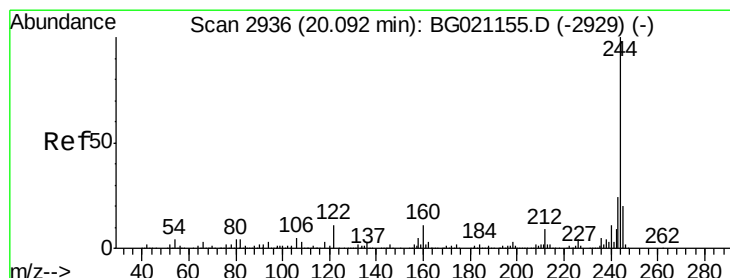
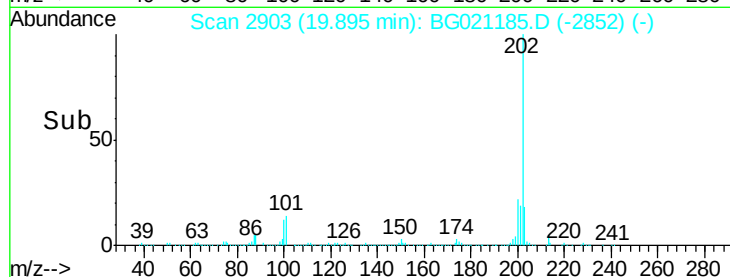
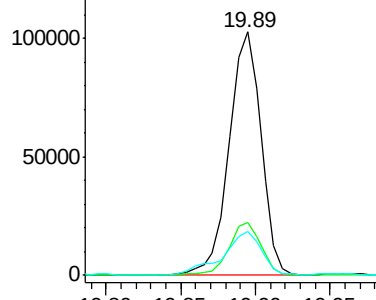
#77
 Pyrene
 Concen: 30.28 ng
 RT: 19.89 min Scan# 2903
 Delta R.T. -0.00 min
 Lab File: BG021185.D
 Acq: 1 Mar 2016 12:44

Instrument :
 BNA_G
 ClientSampled :
 SP-2(0-2)RE

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.7	16.6	25.0
203	18.2	13.8	20.8

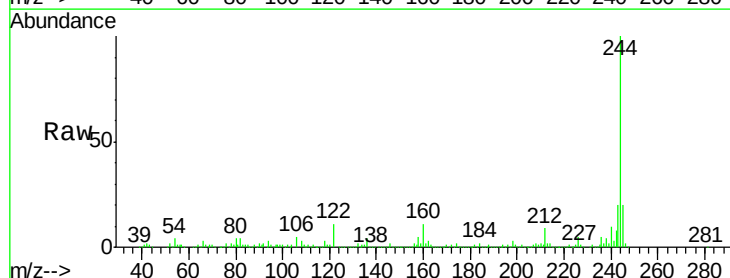


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E

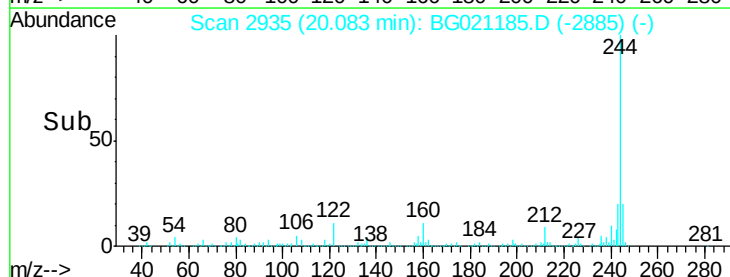
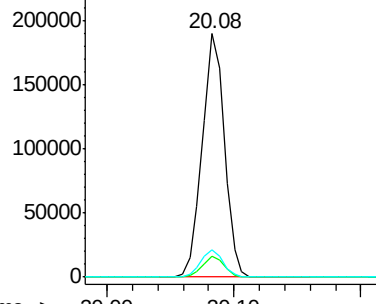


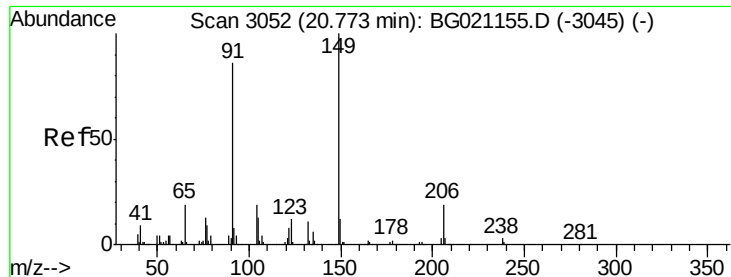
#78
 Terphenyl-d14
 Concen: 65.69 ng
 RT: 20.08 min Scan# 2935
 Delta R.T. -0.01 min
 Lab File: BG021185.D
 Acq: 1 Mar 2016 12:44

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.8	5.8	8.6#
122	11.1	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

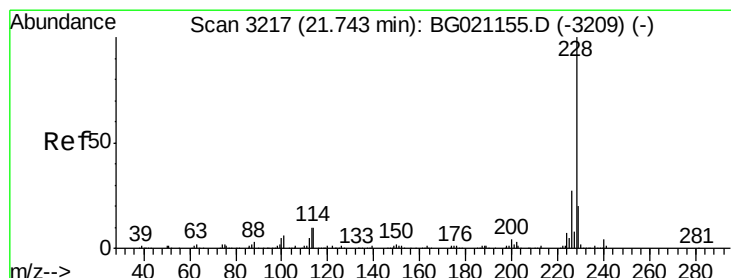
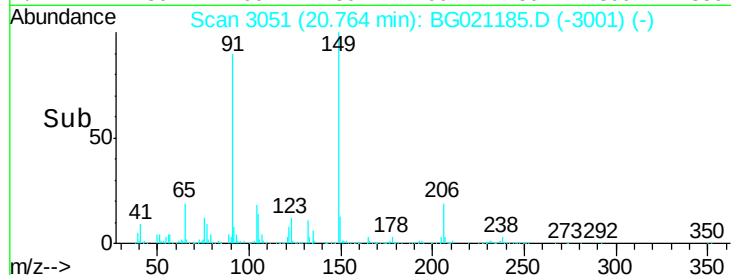
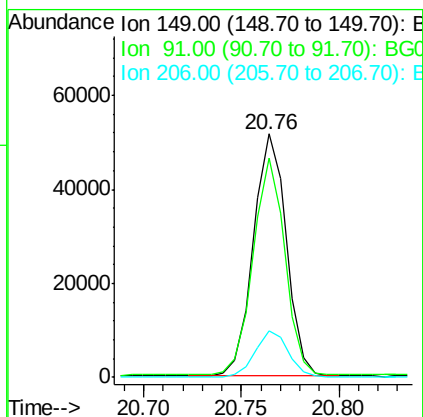
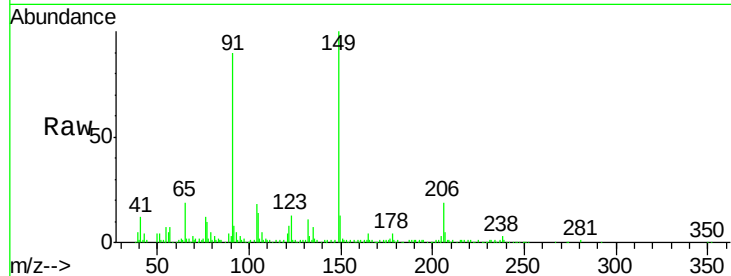




#79
Butylbenzylphthalate
Concen: 23.36 ng
RT: 20.76 min Scan# 3051
Delta R.T. -0.01 min
Lab File: BG021185.D
Acq: 1 Mar 2016 12:44

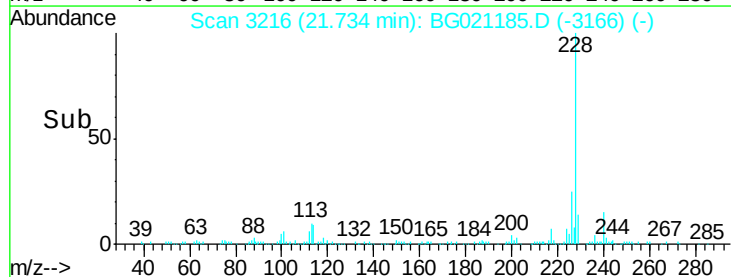
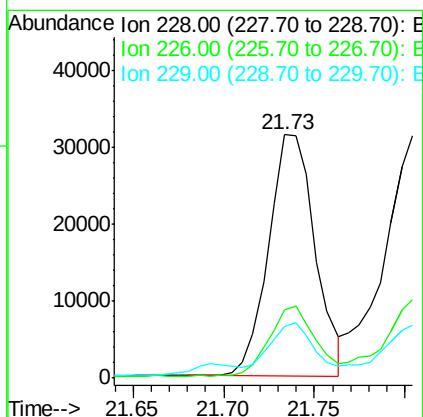
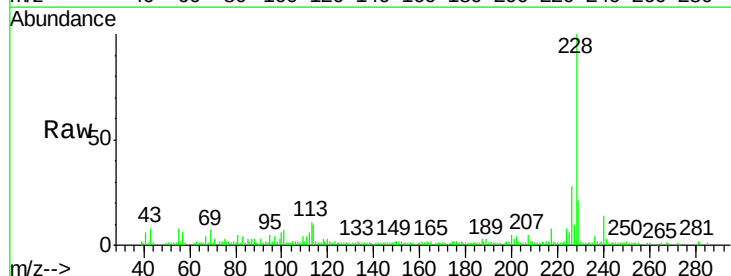
Instrument :
BNA_G
ClientSampleId :
SP-2(0-2)RE

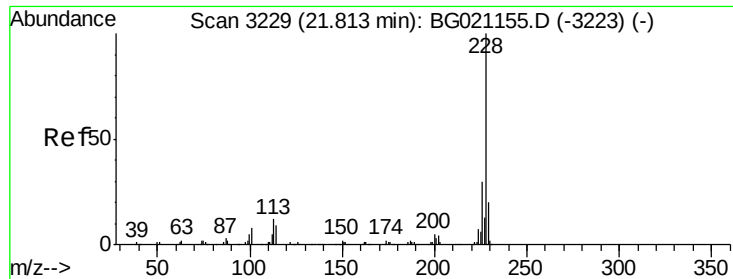
Tgt Ion:149 Resp: 60021
Ion Ratio Lower Upper
149 100
91 90.3 58.6 87.8#
206 19.3 14.2 21.4



#80
Benzo(a)anthracene
Concen: 11.26 ng
RT: 21.73 min Scan# 3216
Delta R.T. -0.01 min
Lab File: BG021185.D
Acq: 1 Mar 2016 12:44

Tgt Ion:228 Resp: 56249
Ion Ratio Lower Upper
228 100
226 28.1 22.7 34.1
229 21.0 15.5 23.3





#82

Chrysene

Concen: 12.13 ng

RT: 21.80 min Scan# 3228

Delta R.T. -0.01 min

Lab File: BG021185.D

Acq: 1 Mar 2016 12:44

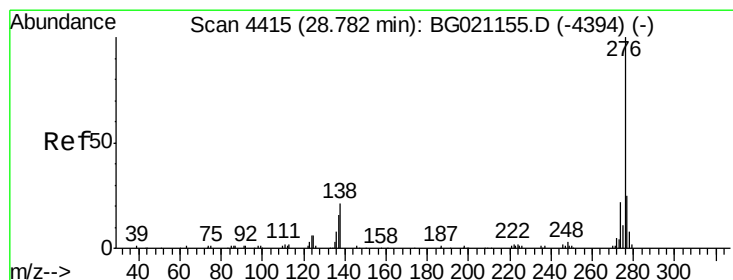
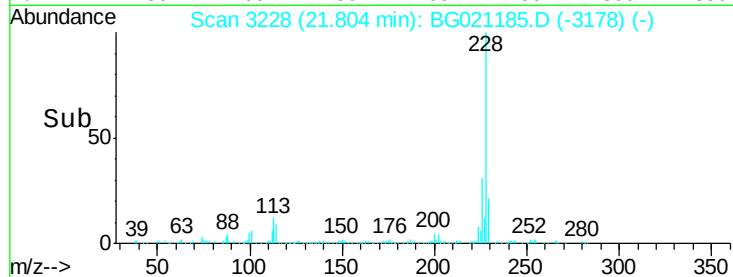
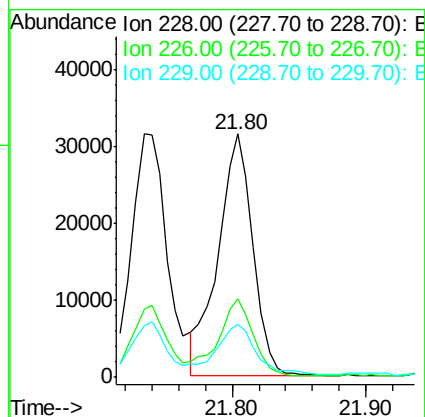
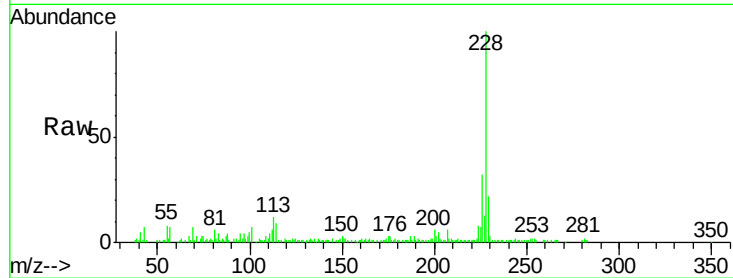
Instrument :

BNA_G

ClientSampleId :

SP-2(0-2)RE

Tgt Ion:	228	Resp:	57451
Ion	Ratio	Lower	Upper
228	100		
226	32.1	23.7	35.5
229	21.8	16.7	25.1



#85

Indeno(1,2,3-cd)pyrene

Concen: 3.33 ng

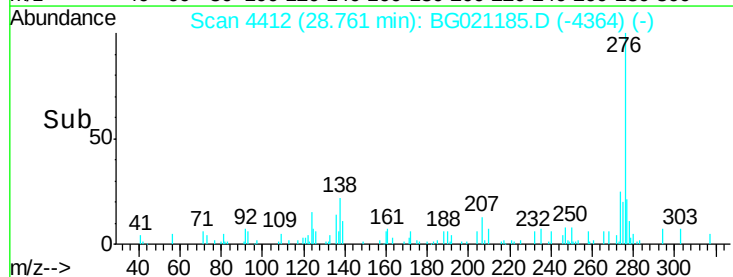
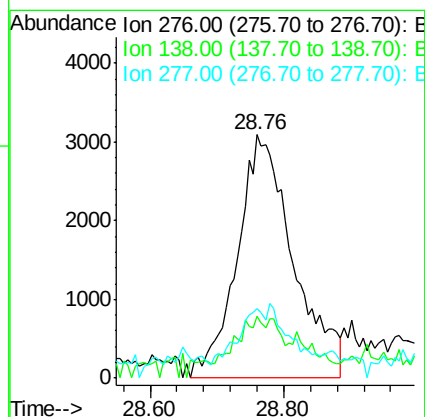
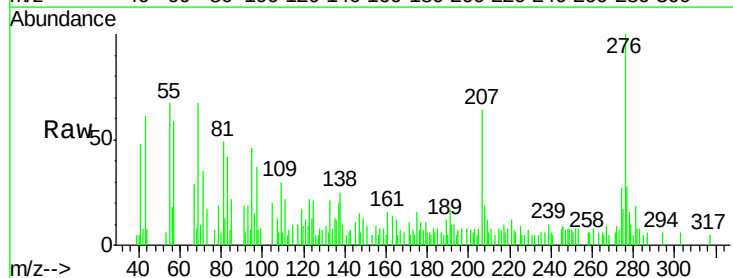
RT: 28.76 min Scan# 4412

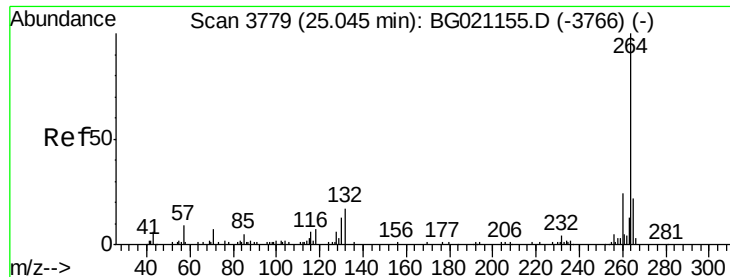
Delta R.T. -0.02 min

Lab File: BG021185.D

Acq: 1 Mar 2016 12:44

Tgt Ion:	276	Resp:	18060
Ion	Ratio	Lower	Upper
276	100		
138	8.7	0.0	0.0#
277	10.9	0.0	0.0#

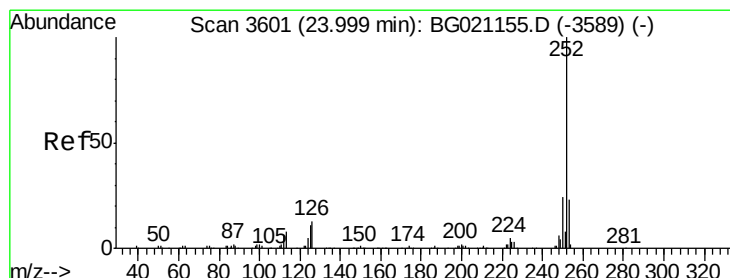
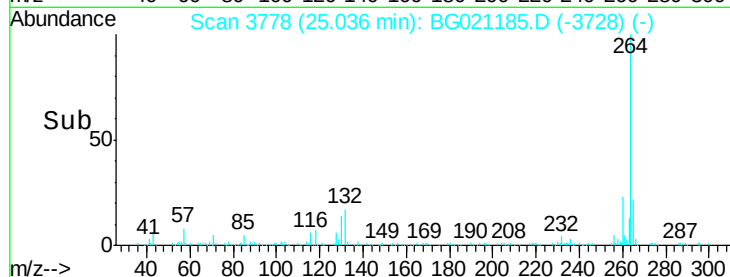
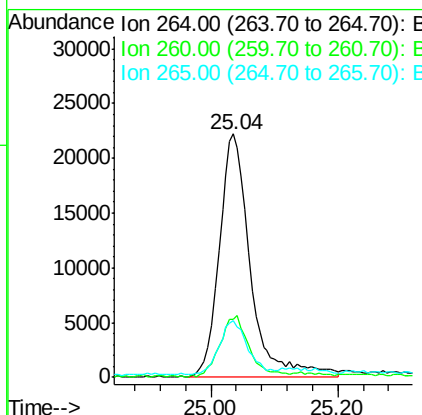
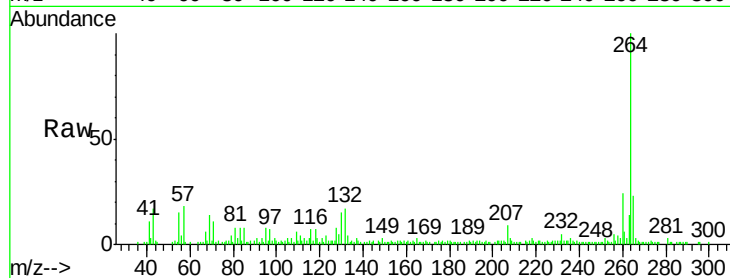




#86
Perylene-d12
Concen: 20.00 ng
RT: 25.04 min Scan# 3778
Delta R.T. -0.01 min
Lab File: BG021185.D
Acq: 1 Mar 2016 12:44

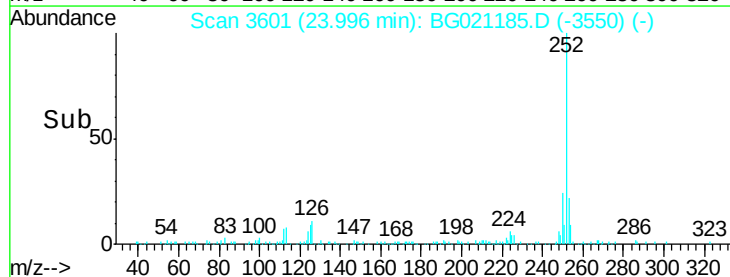
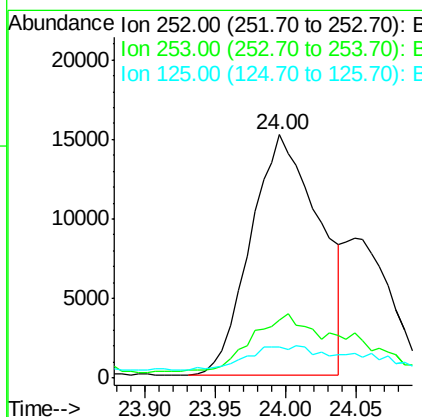
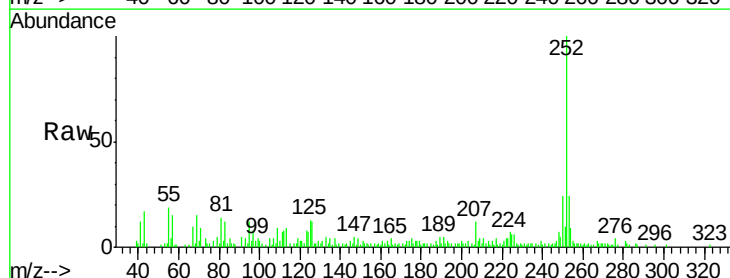
Instrument :
BNA_G
ClientSampleId :
SP-2(0-2)RE

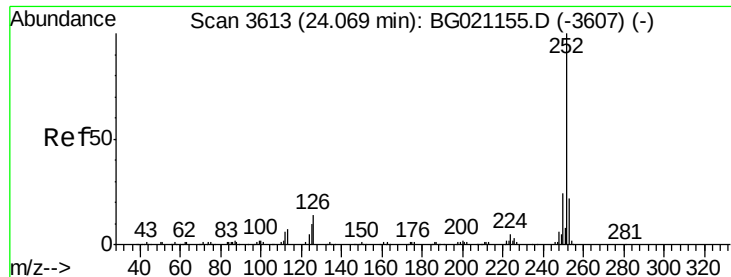
Tgt Ion:264 Resp: 76171
Ion Ratio Lower Upper
264 100
260 24.1 18.5 27.7
265 23.2 18.6 28.0



#87
Benzo(b)fluoranthene
Concen: 10.76 ng
RT: 24.00 min Scan# 3601
Delta R.T. -0.00 min
Lab File: BG021185.D
Acq: 1 Mar 2016 12:44

Tgt Ion:252 Resp: 51532
Ion Ratio Lower Upper
252 100
253 23.7 16.8 25.2
125 12.9 8.2 12.2#

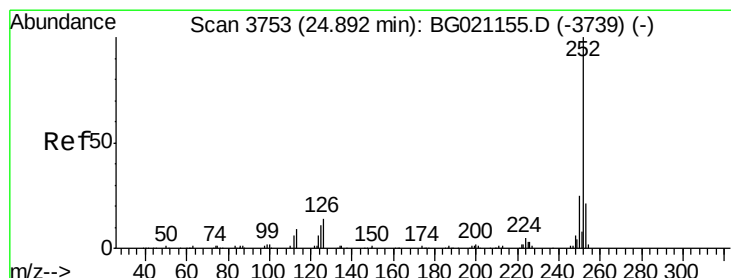
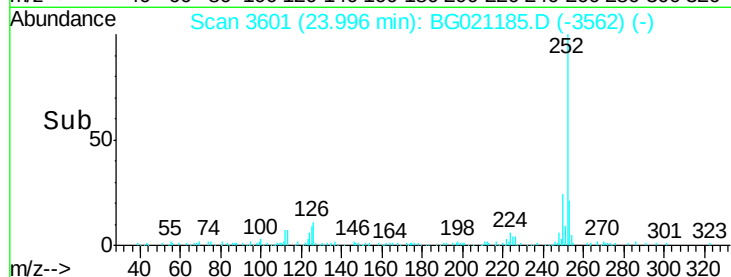
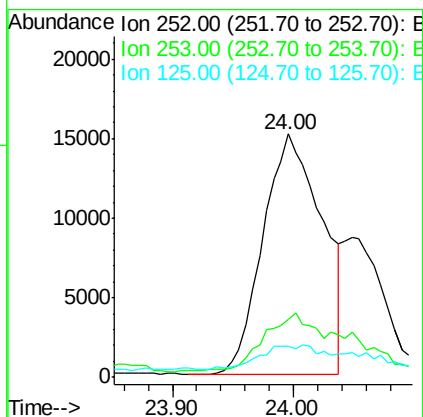
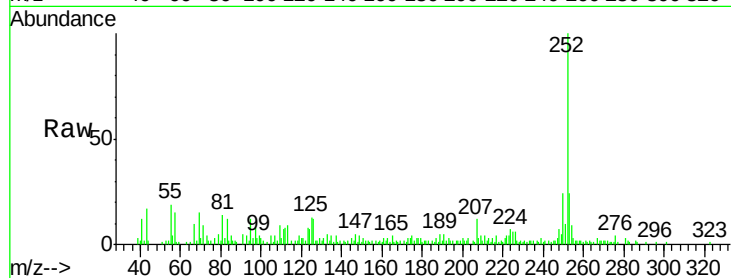




#88
Benzo(k)fluoranthene
Concen: 10.73 ng
RT: 24.00 min Scan# 3601
Delta R.T. -0.07 min
Lab File: BG021185.D
Acq: 1 Mar 2016 12:44

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

Tgt Ion:252 Resp: 51496
Ion Ratio Lower Upper
252 100
253 23.7 16.4 24.6
125 12.9 8.2 12.2#



#89
Benzo(a)pyrene
Concen: 8.15 ng
RT: 24.88 min Scan# 3751
Delta R.T. -0.02 min
Lab File: BG021185.D
Acq: 1 Mar 2016 12:44

Tgt Ion:252 Resp: 37763
Ion Ratio Lower Upper
252 100
253 23.7 15.8 23.8
125 13.7 8.4 12.6#

