

Data Path : Z:\HPCHEM1\BNA_G\Data\BG052815\
 Data File : BG017350.D
 Acq On : 29 May 2015 8:12
 Operator : TP/IZ
 Sample : G2408-07
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-22D

Quant Time: May 29 16:52:24 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG051315.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 28 04:22:03 2015
 Response via : Initial Calibration

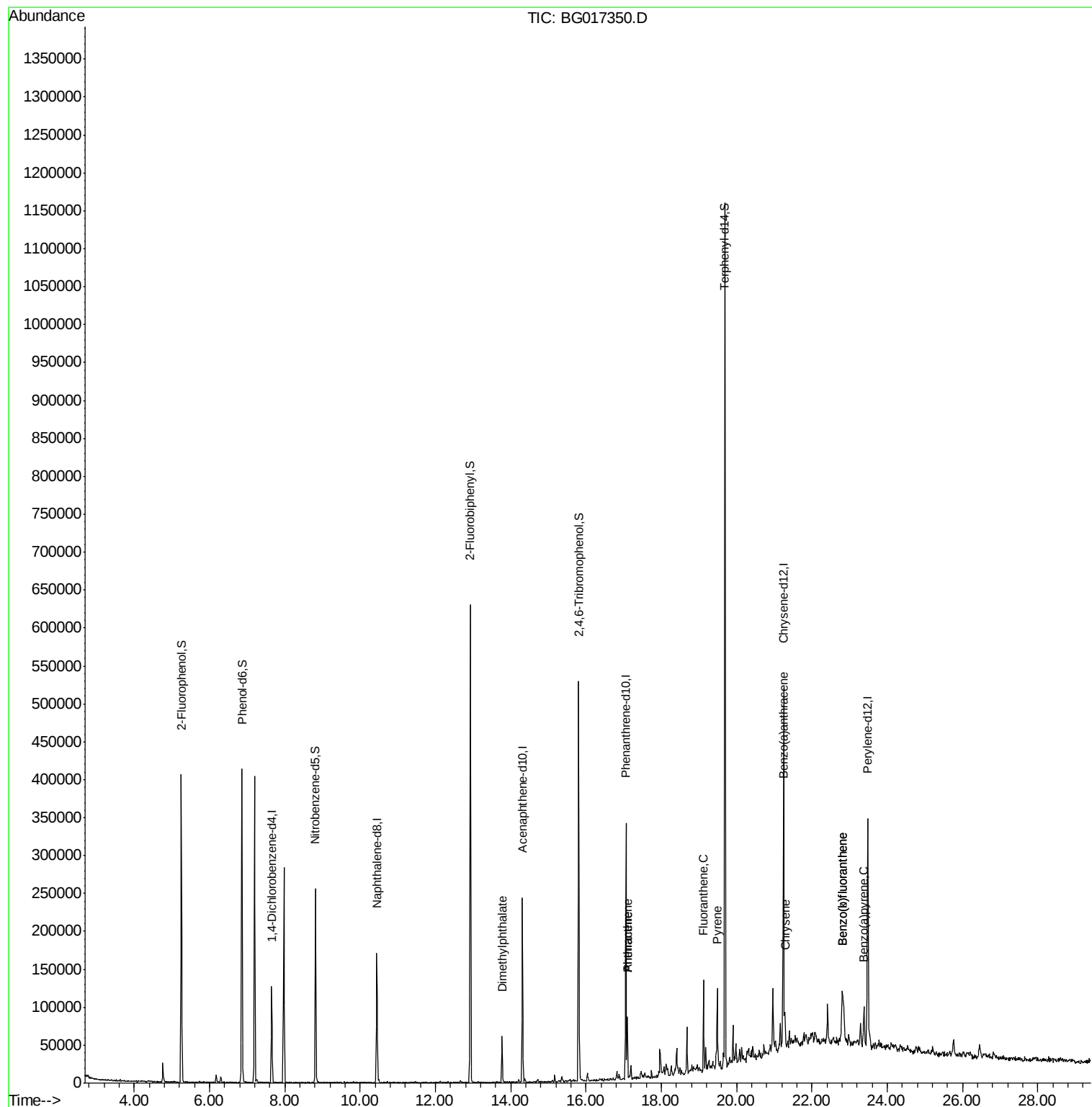
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	27954	20.00	ng	-0.06
21) Naphthalene-d8	10.45	136	119962	20.00	ng	-0.06
38) Acenaphthene-d10	14.31	164	77243	20.00	ng	-0.06
63) Phenanthrene-d10	17.06	188	169151	20.00	ng	-0.06
75) Chrysene-d12	21.25	240	198738	20.00	ng	-0.05
86) Perylene-d12	23.49	264	201479	20.00	ng	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.25	112	134430	85.32	ng	-0.06
7) Phenol-d6	6.86	99	186679	84.43	ng	-0.05
23) Nitrobenzene-d5	8.82	82	131720	51.26	ng	-0.06
41) 2,4,6-Tribromophenol	15.81	330	70792	75.82	ng	-0.05
44) 2-Fluorobiphenyl	12.93	172	269348	51.17	ng	-0.06
78) Terphenyl-d14	19.70	244	442893	46.44	ng	-0.05
Target Compounds						Qvalue
49) Dimethylphthalate	13.77	163	34740	5.75	ng	# 95
70) Phenanthrene	17.10	178	40796	4.68	ng	97
71) Anthracene	17.10	178	40796	4.61	ng	97
74) Fluoranthene	19.12	202	60707	5.80	ng	97
77) Pyrene	19.49	202	57944	4.75	ng	98
80) Benzo(a)anthracene	21.23	228	34229	3.01	ng	99
82) Chrysene	21.28	228	30425	2.87	ng	98
87) Benzo(b)fluoranthene	22.81	252	40525	3.45	ng	# 94
88) Benzo(k)fluoranthene	22.81	252	40525	3.63	ng	# 95
89) Benzo(a)pyrene	23.38	252	30765	2.85	ng	99

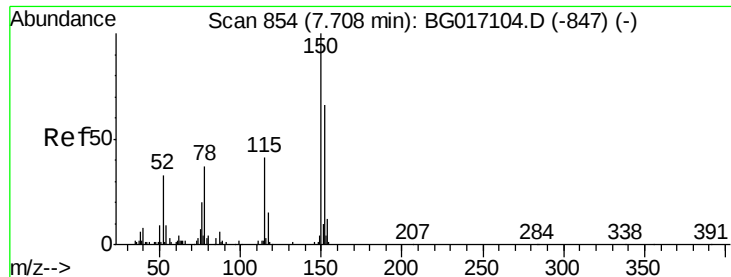
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu May 28 04:22:03 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.65 min Scan# 845

Delta R.T. -0.06 min

Lab File: BG017350.D

Acq: 29 May 2015 8:12

Instrument :

BNA_G

ClientSampleId :

SB-22D

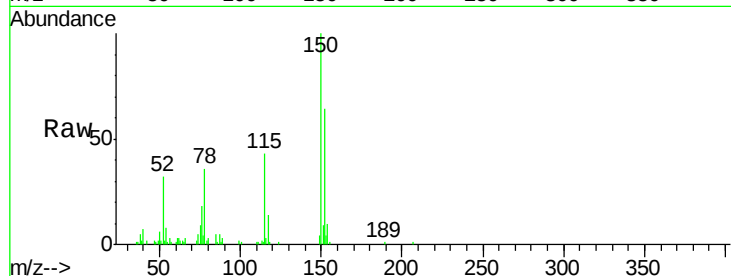
Tgt Ion:152 Resp: 27954

Ion Ratio Lower Upper

152 100

150 155.2 120.8 181.2

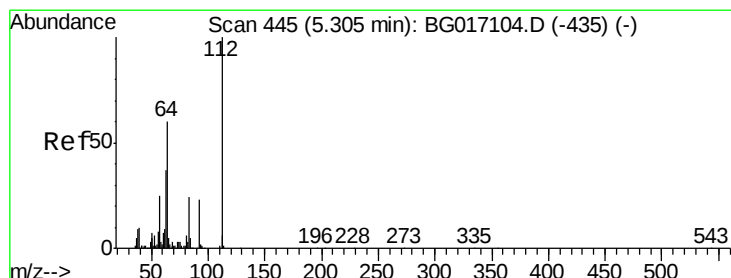
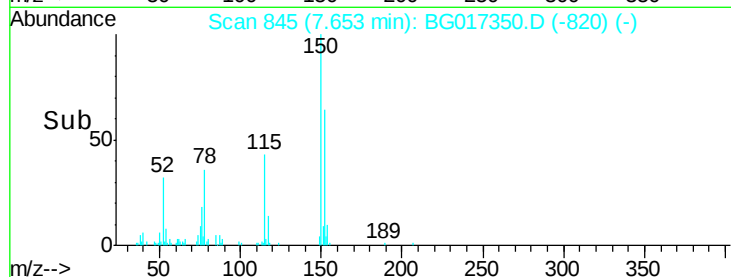
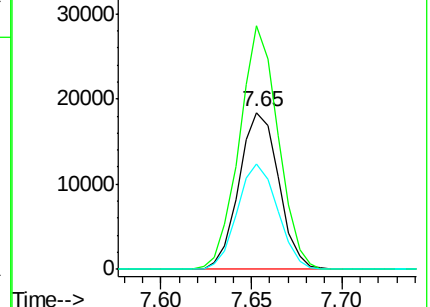
115 67.2 49.4 74.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 85.32 ng

RT: 5.25 min Scan# 436

Delta R.T. -0.06 min

Lab File: BG017350.D

Acq: 29 May 2015 8:12

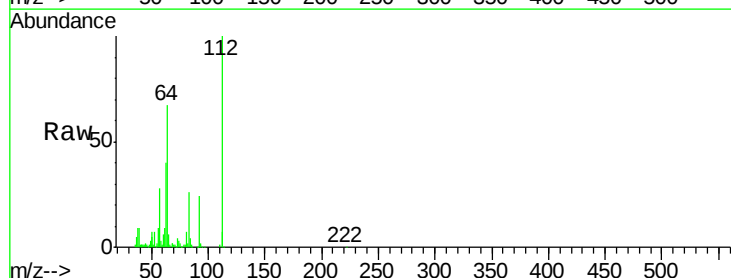
Tgt Ion:112 Resp: 134430

Ion Ratio Lower Upper

112 100

64 67.5 48.1 72.1

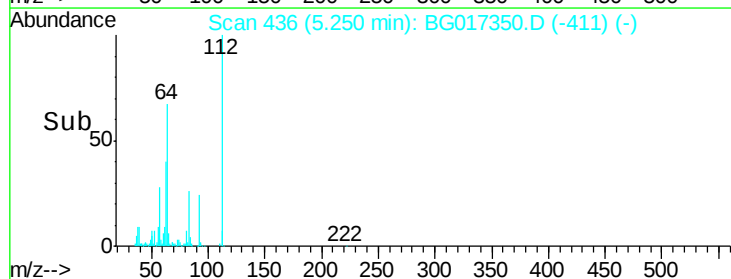
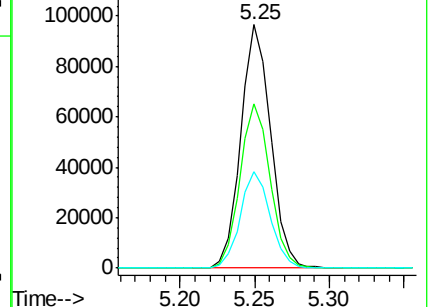
63 39.7 29.8 44.8

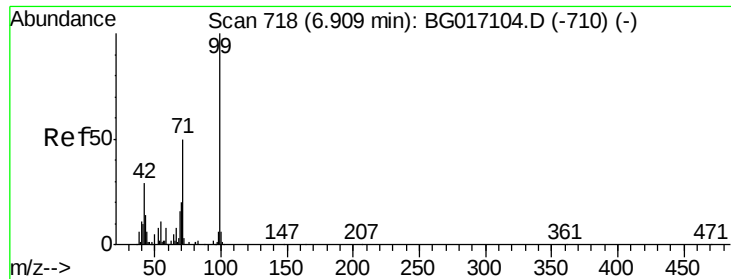


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 84.43 ng

RT: 6.86 min Scan# 710

Delta R.T. -0.05 min

Lab File: BG017350.D

Acq: 29 May 2015 8:12

Instrument :

BNA_G

ClientSampleId :

SB-22D

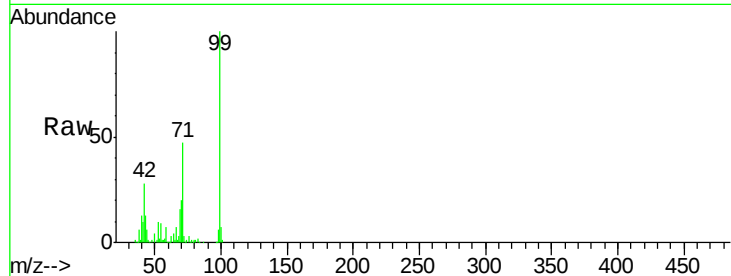
Tgt Ion: 99 Resp: 186679

Ion Ratio Lower Upper

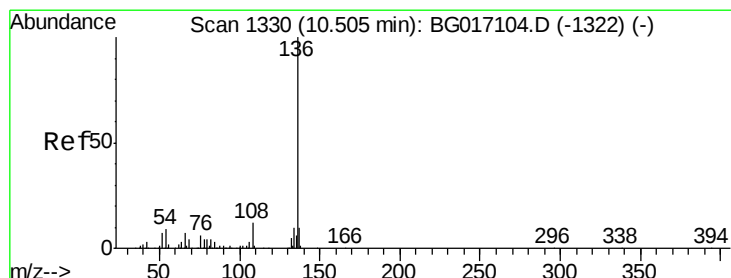
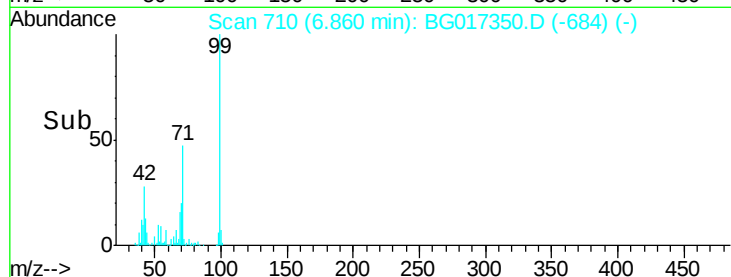
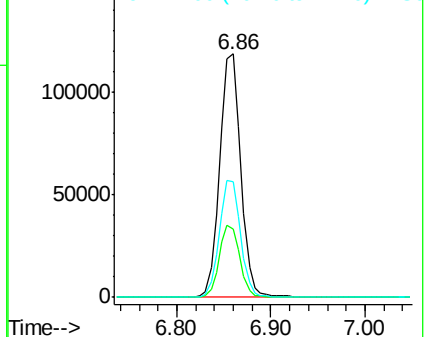
99 100

42 27.9 23.5 35.3

71 47.5 39.8 59.8



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: 10.45 min Scan# 1321

Delta R.T. -0.06 min

Lab File: BG017350.D

Acq: 29 May 2015 8:12

Tgt Ion: 136 Resp: 119962

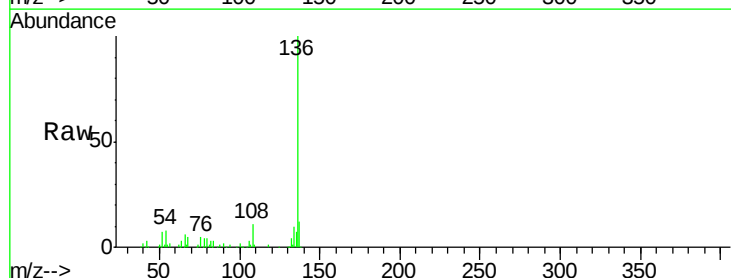
Ion Ratio Lower Upper

136 100

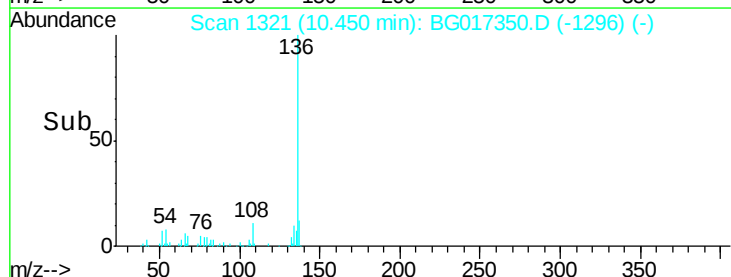
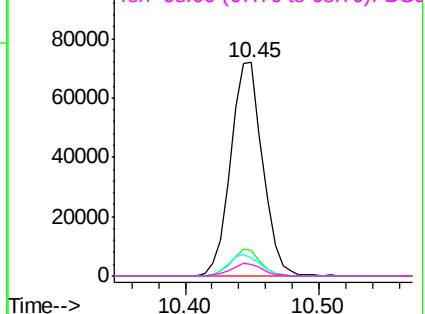
137 11.8 8.3 12.5

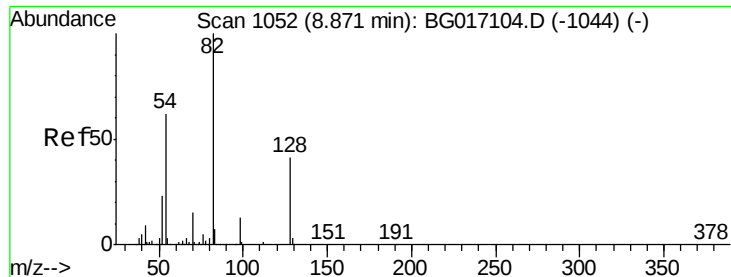
54 8.3 7.4 11.2

68 5.3 3.6 5.4



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: 51.26 ng

RT: 8.82 min Scan# 1043

Delta R.T. -0.06 min

Lab File: BG017350.D

Acq: 29 May 2015 8:12

Instrument :

BNA_G

ClientSampleId :

SB-22D

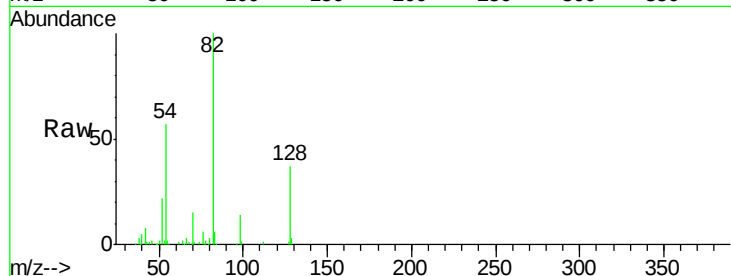
Tgt Ion: 82 Resp: 131720

Ion Ratio Lower Upper

82 100

128 36.6 32.6 49.0

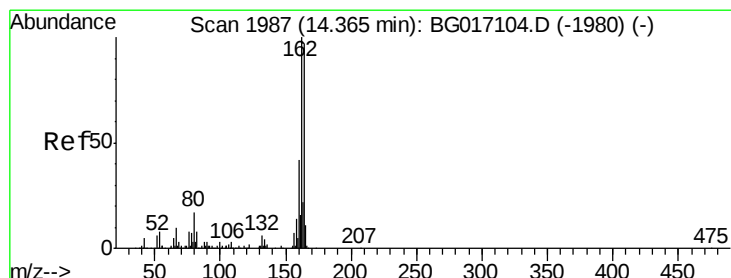
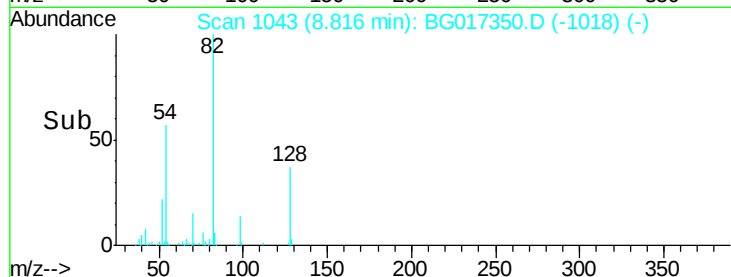
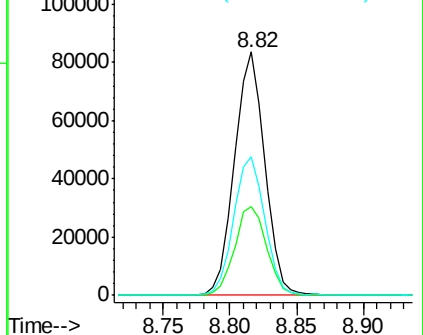
54 57.2 49.6 74.4



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: 14.31 min Scan# 1978

Delta R.T. -0.06 min

Lab File: BG017350.D

Acq: 29 May 2015 8:12

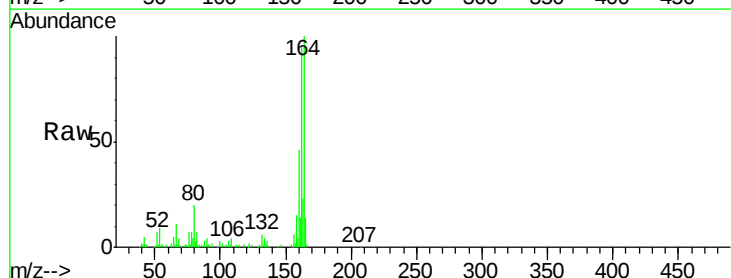
Tgt Ion: 164 Resp: 77243

Ion Ratio Lower Upper

164 100

162 95.5 82.1 123.1

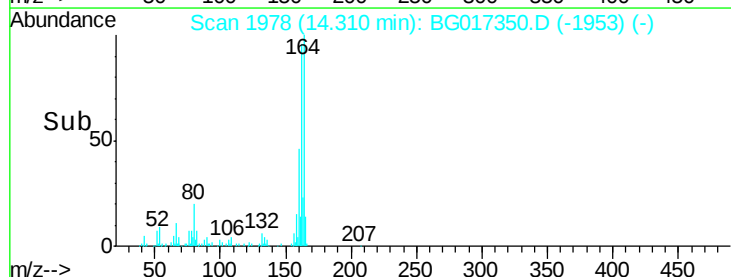
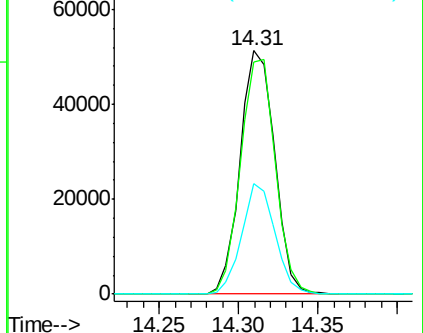
160 45.5 34.8 52.2

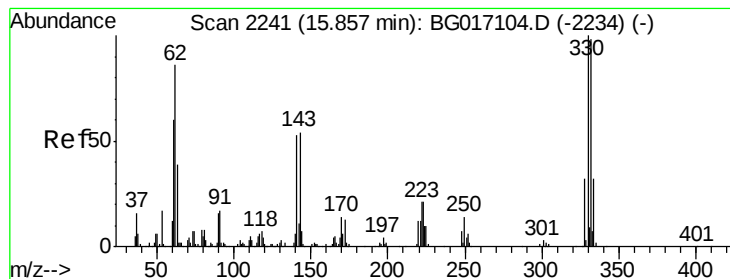


Abundance Ion 164.00 (163.70 to 164.70): BGC

Ion 162.00 (161.70 to 162.70): BGC

Ion 160.00 (159.70 to 160.70): BGC





#41

2,4,6-Tribromophenol

Concen: 75.82 ng

RT: 15.81 min Scan# 2233

Delta R.T. -0.05 min

Lab File: BG017350.D

Acq: 29 May 2015 8:12

Instrument :

BNA_G

ClientSampleId :

SB-22D

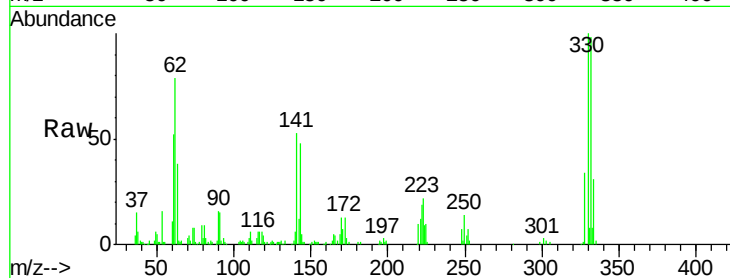
Tgt Ion:330 Resp: 70792

Ion Ratio Lower Upper

330 100

332 95.0 76.9 115.3

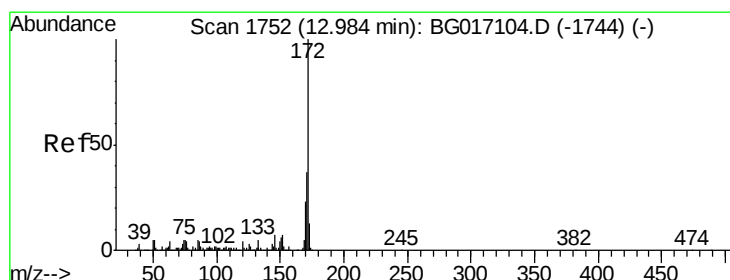
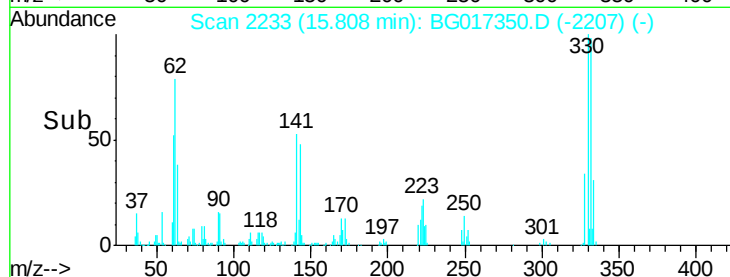
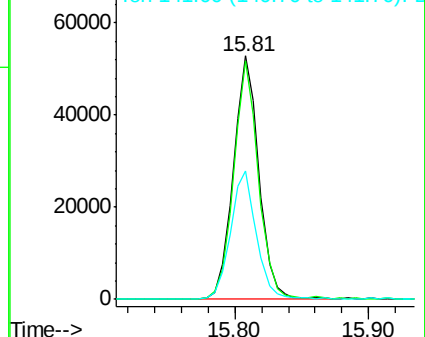
141 53.6 42.2 63.2



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: 51.17 ng

RT: 12.93 min Scan# 1743

Delta R.T. -0.06 min

Lab File: BG017350.D

Acq: 29 May 2015 8:12

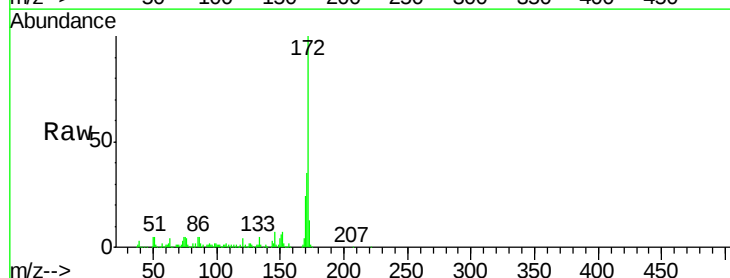
Tgt Ion:172 Resp: 269348

Ion Ratio Lower Upper

172 100

171 35.2 29.7 44.5

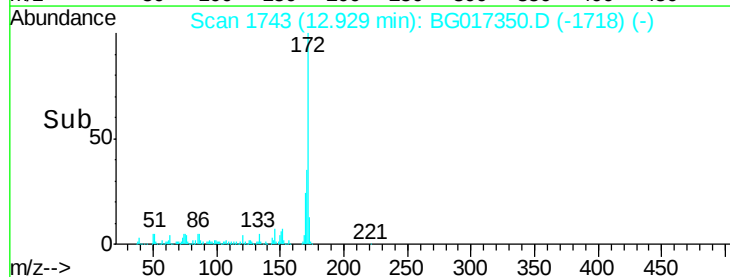
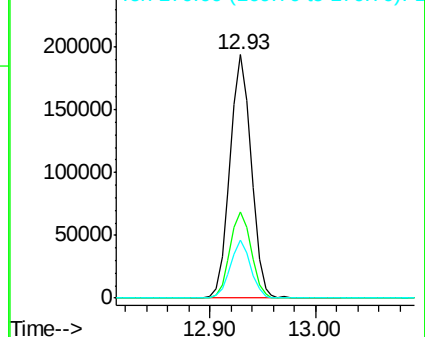
170 23.6 18.4 27.6

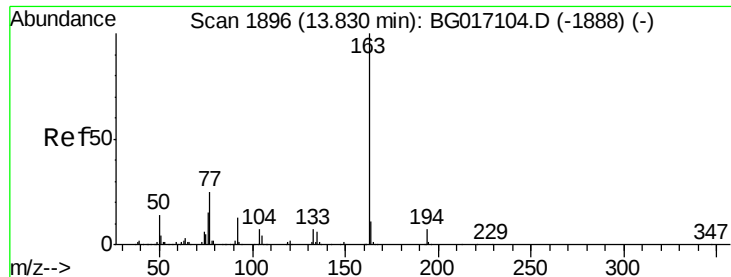


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 5.75 ng

RT: 13.77 min Scan# 1886

Delta R.T. -0.06 min

Lab File: BG017350.D

Acq: 29 May 2015 8:12

Instrument :

BNA_G

ClientSampleId :

SB-22D

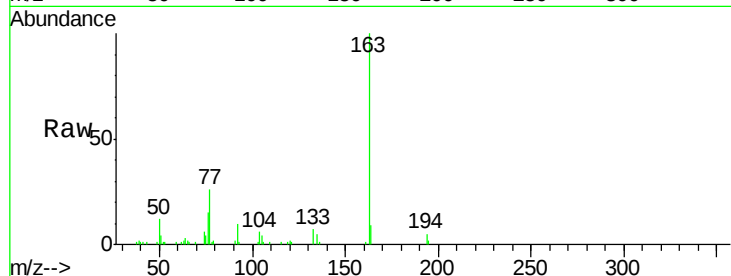
Tgt Ion:163 Resp: 34740

Ion Ratio Lower Upper

163 100

194 5.0 5.6 8.4#

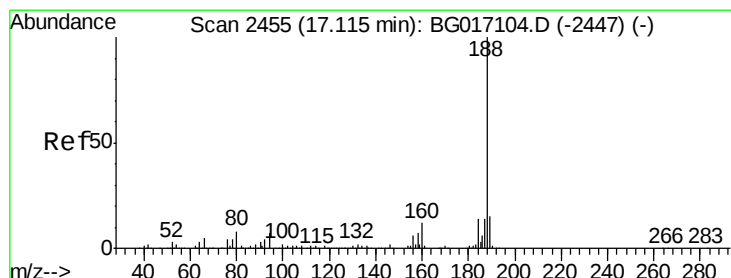
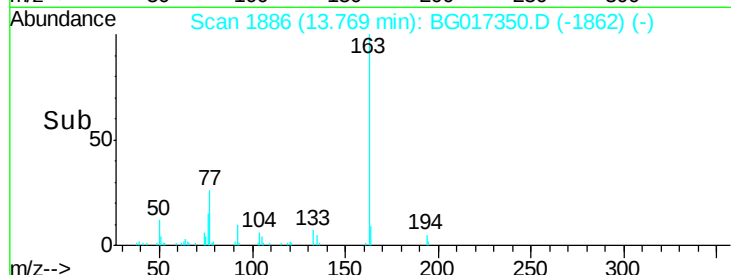
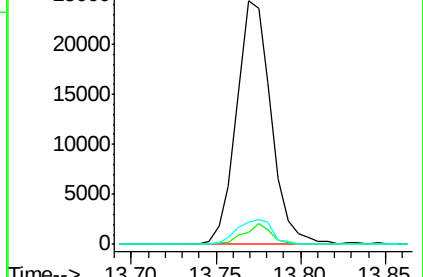
164 9.0 8.6 13.0



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.06 min Scan# 2446

Delta R.T. -0.06 min

Lab File: BG017350.D

Acq: 29 May 2015 8:12

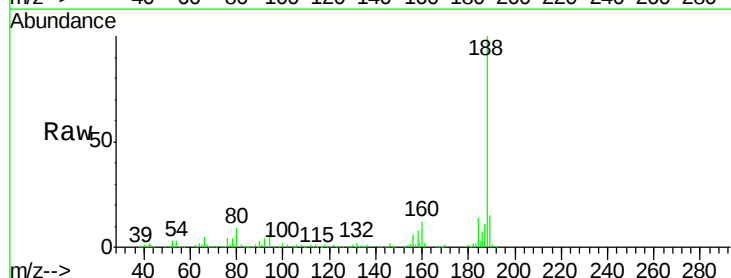
Tgt Ion:188 Resp: 169151

Ion Ratio Lower Upper

188 100

94 8.4 5.8 8.6

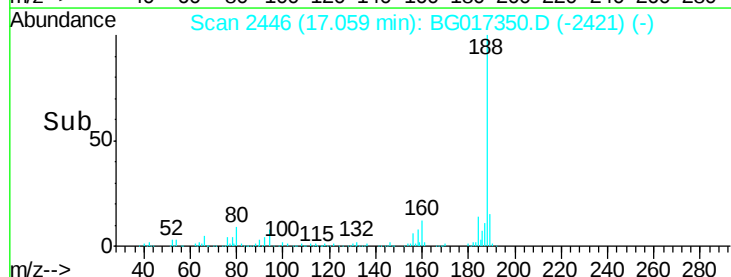
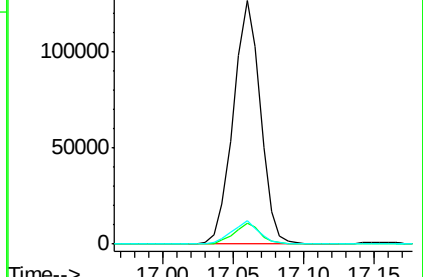
80 9.5 6.5 9.7

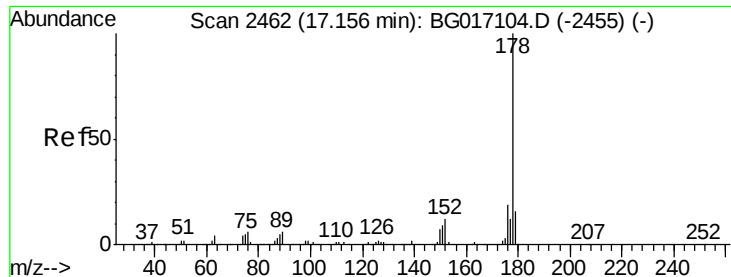


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#70

Phenanthrene

Concen: 4.68 ng

RT: 17.10 min Scan# 2453

Delta R.T. -0.06 min

Lab File: BG017350.D

Acq: 29 May 2015 8:12

Instrument :

BNA_G

ClientSampleId :

SB-22D

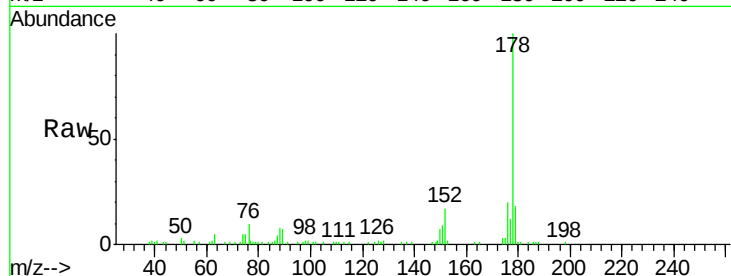
Tgt Ion:178 Resp: 40796

Ion Ratio Lower Upper

178 100

176 19.9 15.4 23.2

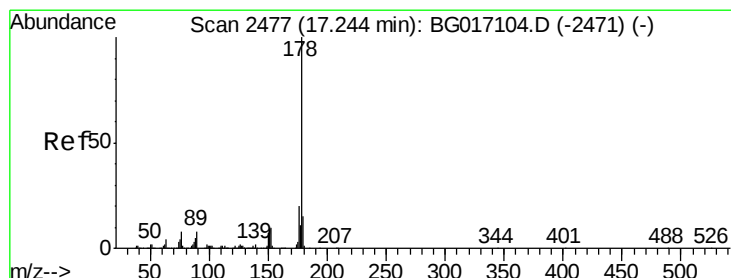
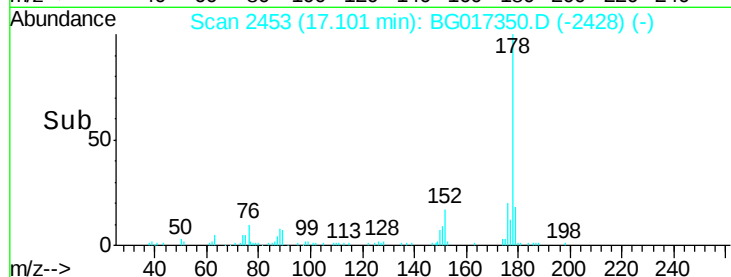
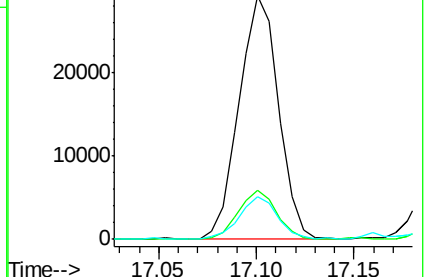
179 17.6 12.5 18.7



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: 4.61 ng

RT: 17.10 min Scan# 2453

Delta R.T. -0.14 min

Lab File: BG017350.D

Acq: 29 May 2015 8:12

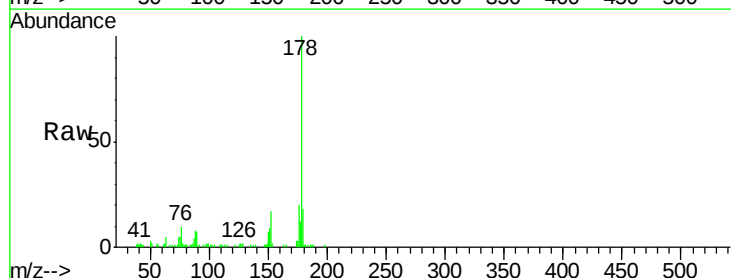
Tgt Ion:178 Resp: 40796

Ion Ratio Lower Upper

178 100

176 19.9 16.3 24.5

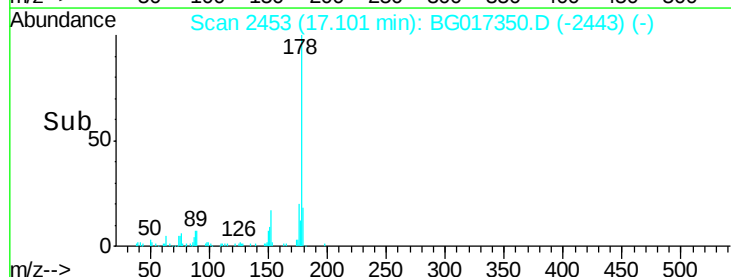
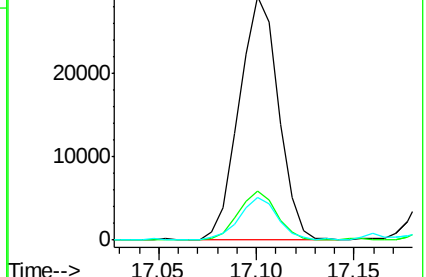
179 17.6 12.1 18.1

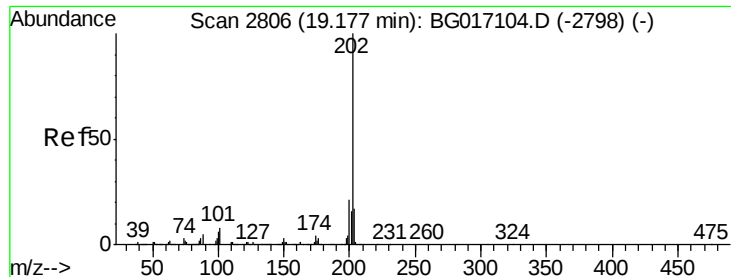


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 5.80 ng

RT: 19.12 min Scan# 2797

Delta R.T. -0.06 min

Lab File: BG017350.D

Acq: 29 May 2015 8:12

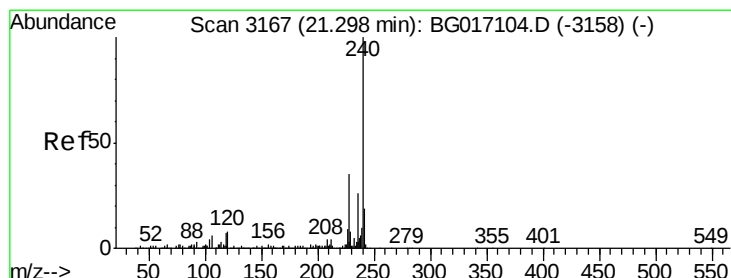
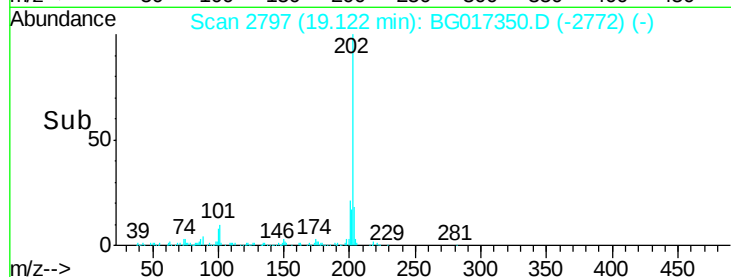
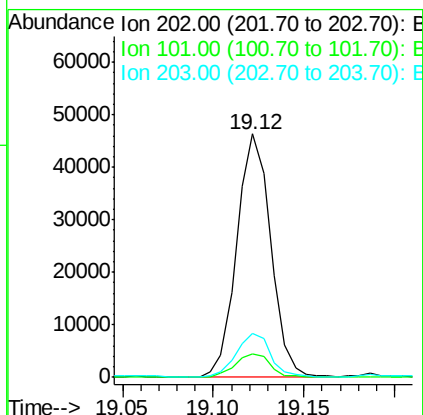
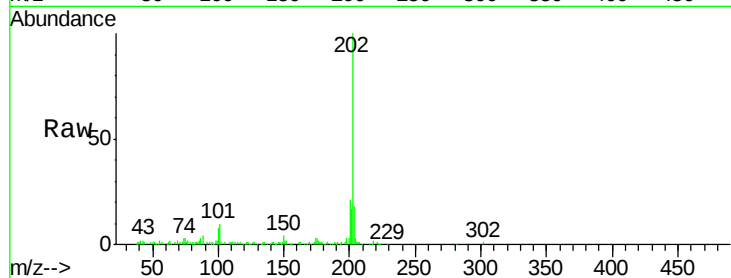
Instrument :

BNA_G

ClientSampleId :

SB-22D

Tgt Ion:	202	Resp:	60707
Ion Ratio	Lower	Upper	
202	100		
101	9.7	0.0	28.3
203	18.3	0.0	37.4



#75

Chrysene-d12

Concen: 20.00 ng

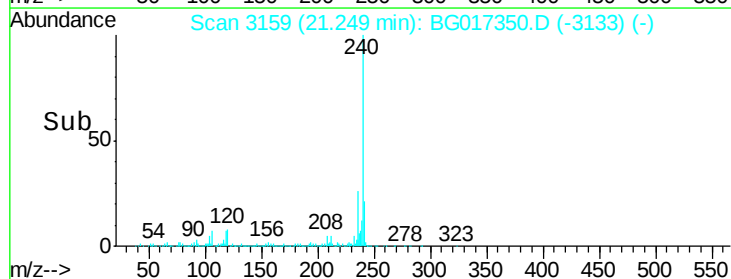
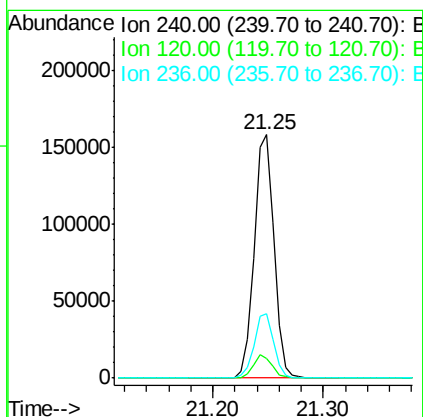
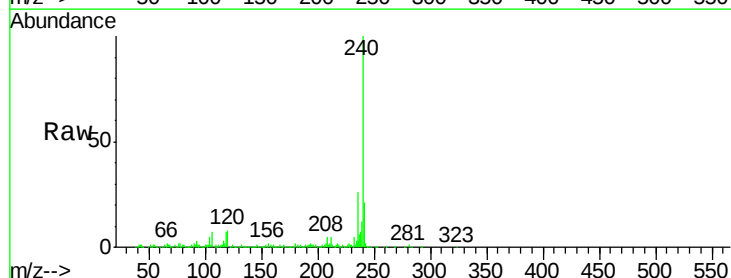
RT: 21.25 min Scan# 3159

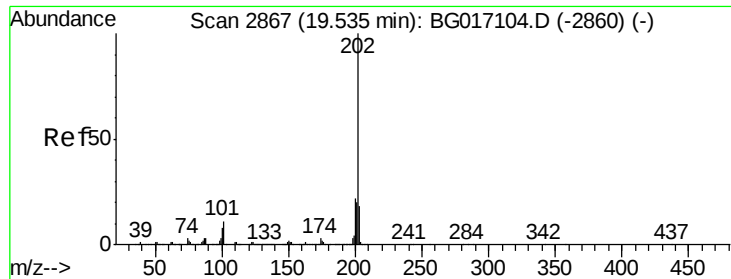
Delta R.T. -0.05 min

Lab File: BG017350.D

Acq: 29 May 2015 8:12

Tgt Ion:	240	Resp:	198738
Ion Ratio	Lower	Upper	
240	100		
120	8.3	6.0	9.0
236	26.4	20.5	30.7





#77

Pyrene

Concen: 4.75 ng

RT: 19.49 min Scan# 2859

Delta R.T. -0.05 min

Lab File: BG017350.D

Acq: 29 May 2015 8:12

Instrument :

BNA_G

ClientSampleId :

SB-22D

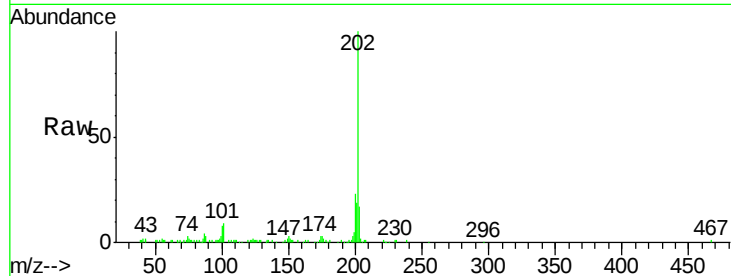
Tgt Ion:202 Resp: 57944

Ion Ratio Lower Upper

202 100

200 22.6 17.8 26.8

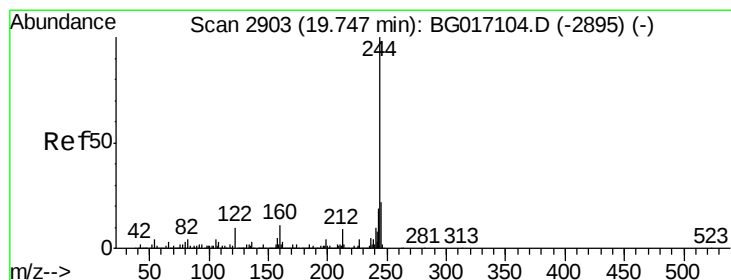
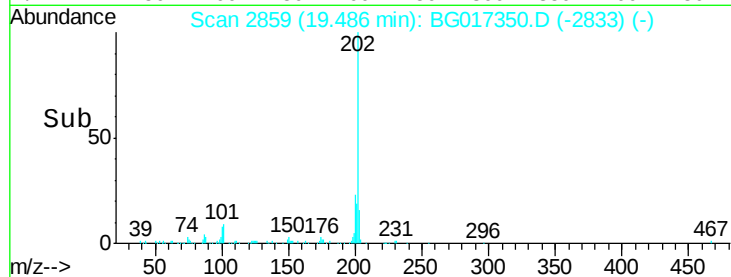
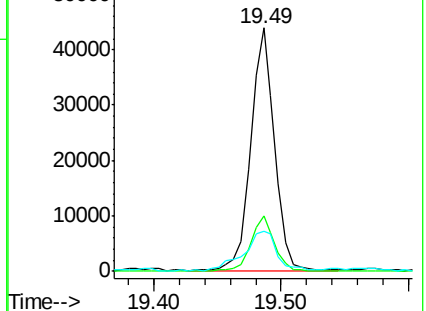
203 16.7 14.4 21.6



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: 46.44 ng

RT: 19.70 min Scan# 2895

Delta R.T. -0.05 min

Lab File: BG017350.D

Acq: 29 May 2015 8:12

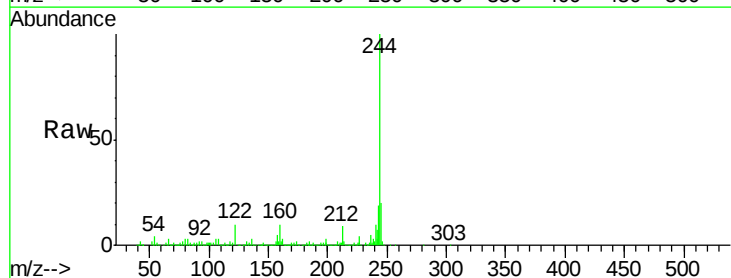
Tgt Ion:244 Resp: 442893

Ion Ratio Lower Upper

244 100

212 8.5 7.0 10.4

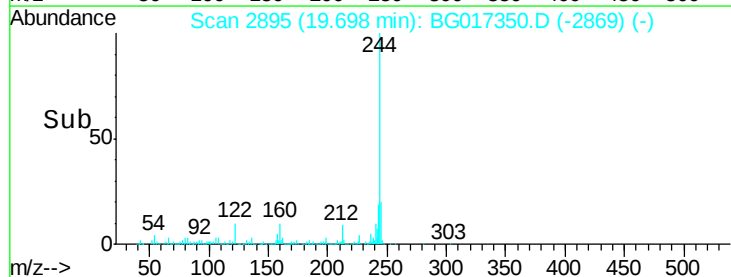
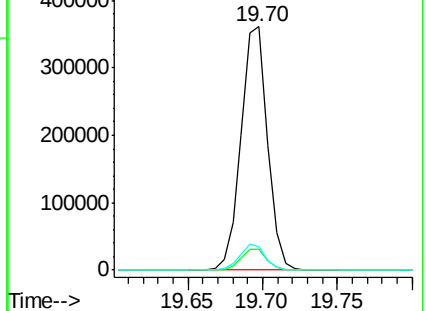
122 9.8 8.4 12.6

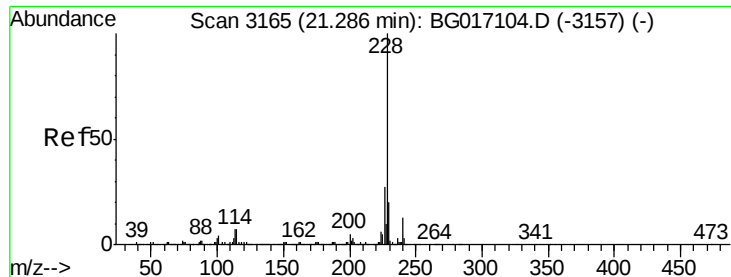


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 3.01 ng

RT: 21.23 min Scan# 3156

Delta R.T. -0.06 min

Lab File: BG017350.D

Acq: 29 May 2015 8:12

Instrument :

BNA_G

ClientSampleId :

SB-22D

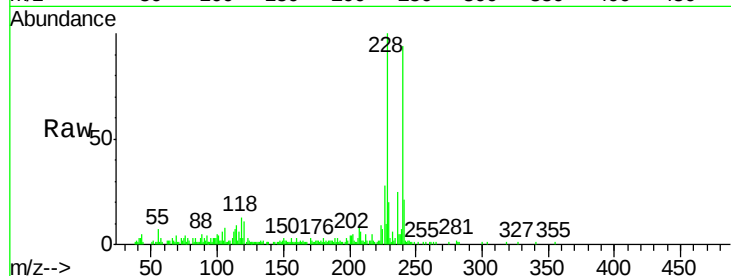
Tgt Ion:228 Resp: 34229

Ion Ratio Lower Upper

228 100

226 28.0 21.7 32.5

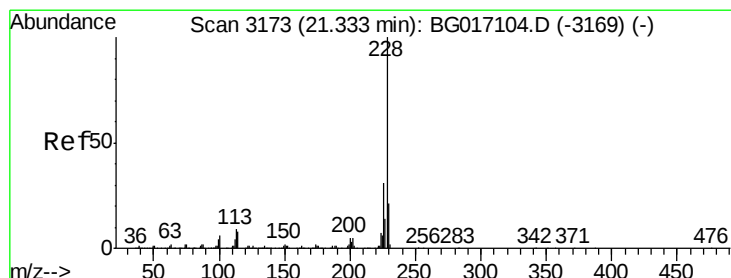
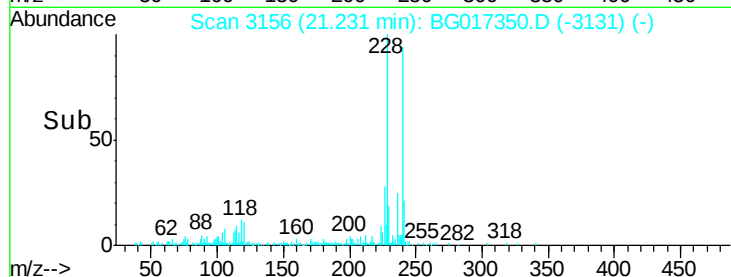
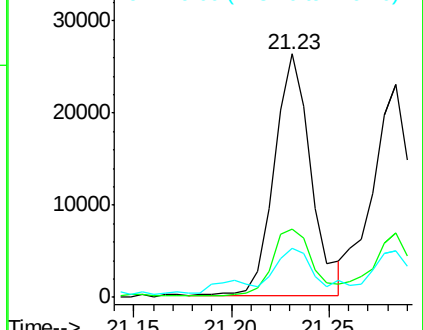
229 20.4 16.1 24.1



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: 2.87 ng

RT: 21.28 min Scan# 3165

Delta R.T. -0.05 min

Lab File: BG017350.D

Acq: 29 May 2015 8:12

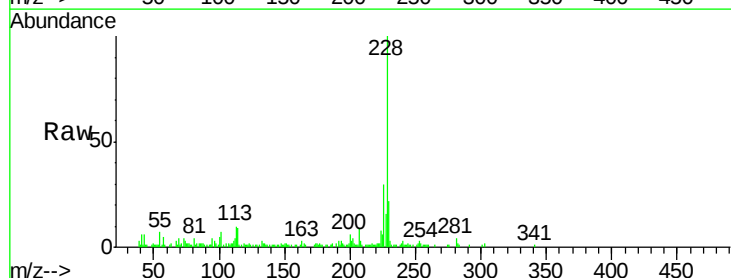
Tgt Ion:228 Resp: 30425

Ion Ratio Lower Upper

228 100

226 30.1 24.8 37.2

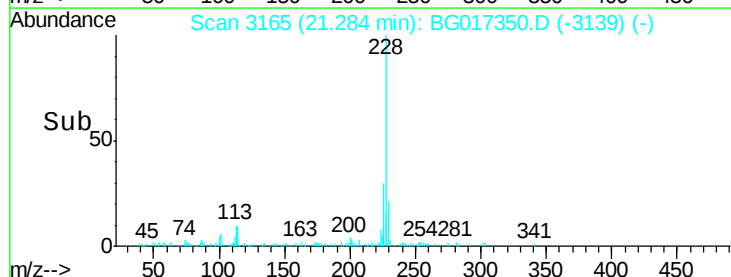
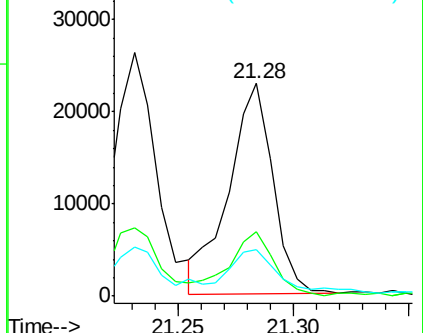
229 22.0 17.0 25.6

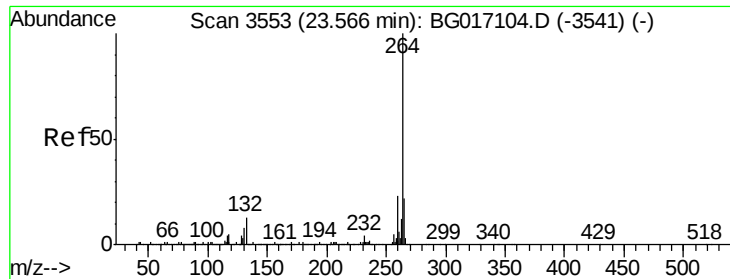


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

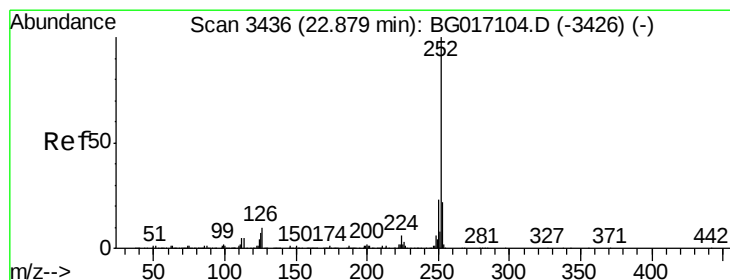
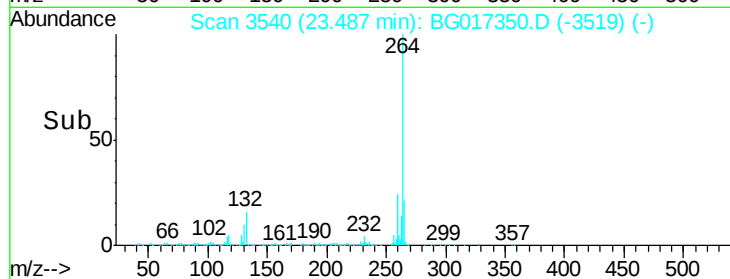
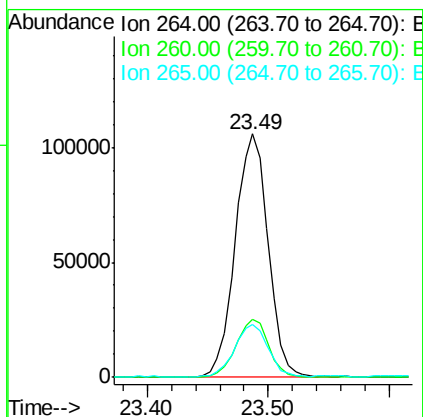
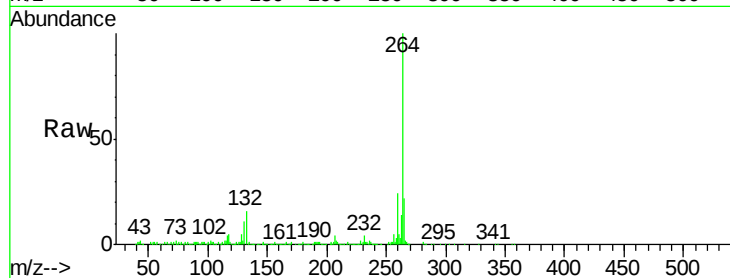




#86
Perylene-d12
Concen: 20.00 ng
RT: 23.49 min Scan# 3540
Delta R.T. -0.08 min
Lab File: BG017350.D
Acq: 29 May 2015 8:12

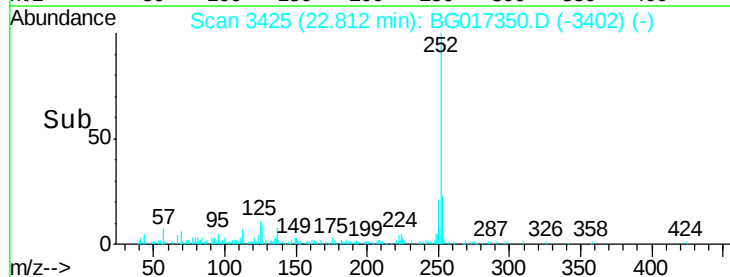
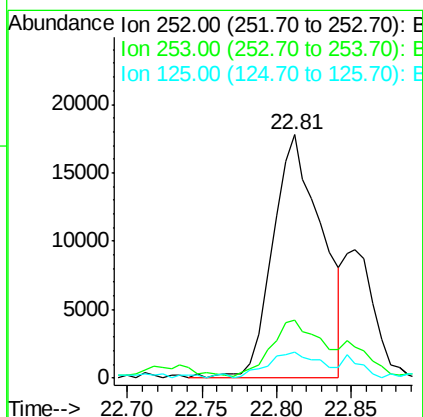
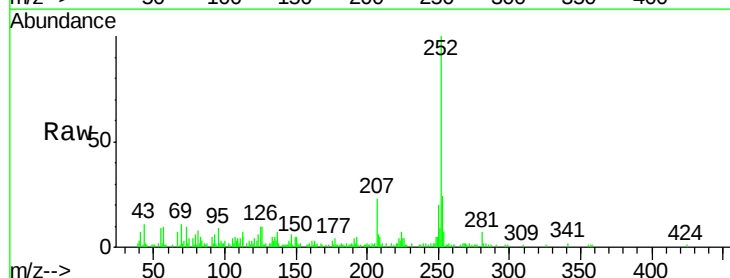
Instrument :
BNA_G
ClientSampled :
SB-22D

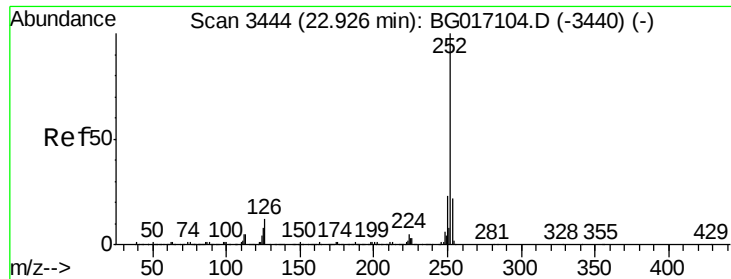
Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.0	27.0
265	21.5	17.4	26.0



#87
Benzo(b)fluoranthene
Concen: 3.45 ng
RT: 22.81 min Scan# 3425
Delta R.T. -0.07 min
Lab File: BG017350.D
Acq: 29 May 2015 8:12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.4	26.2
125	10.5	5.9	8.9#





#88

Benzo(k)fluoranthene

Concen: 3.63 ng

RT: 22.81 min Scan# 3425

Delta R.T. -0.11 min

Lab File: BG017350.D

Acq: 29 May 2015 8:12

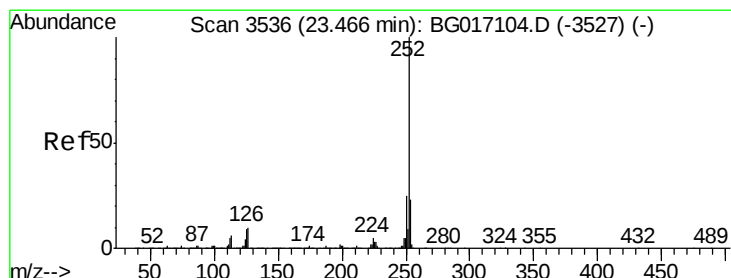
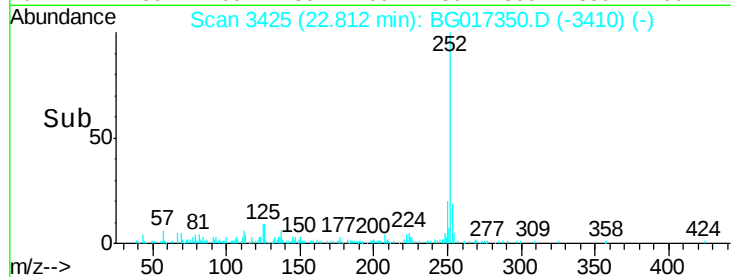
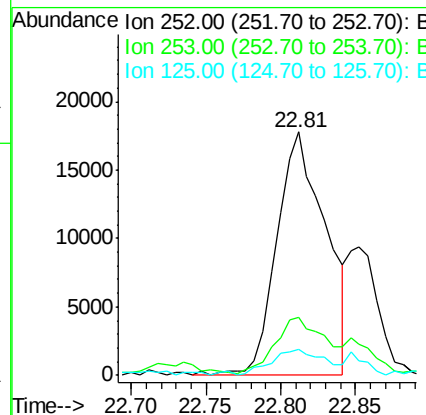
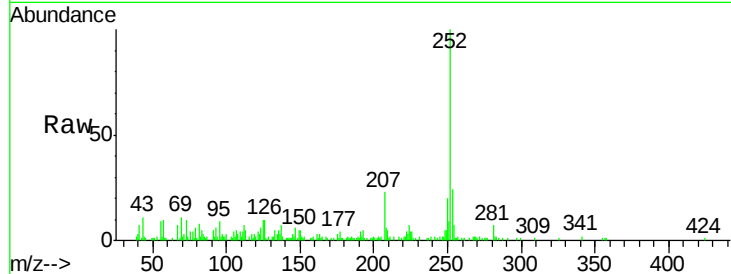
Instrument :

BNA_G

ClientSampled :

SB-22D

Tgt Ion:	252	Resp:	40525
Ion Ratio	Lower	Upper	
252	100		
253	23.9	17.8	26.6
125	10.5	6.4	9.6#



#89

Benzo(a)pyrene

Concen: 2.85 ng

RT: 23.38 min Scan# 3522

Delta R.T. -0.08 min

Lab File: BG017350.D

Acq: 29 May 2015 8:12

Tgt Ion:	252	Resp:	30765
Ion Ratio	Lower	Upper	
252	100		
253	23.7	18.4	27.6
125	8.9	7.2	10.8

