

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG041916\
 Data File : BG021757.D
 Acq On : 19 Apr 2016 6:16
 Operator : UM/SJ
 Sample : H2503-07
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 POST-EX-21-20160412

Quant Time: Apr 19 07:04:30 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG041316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 13 15:48:13 2016
 Response via : Initial Calibration

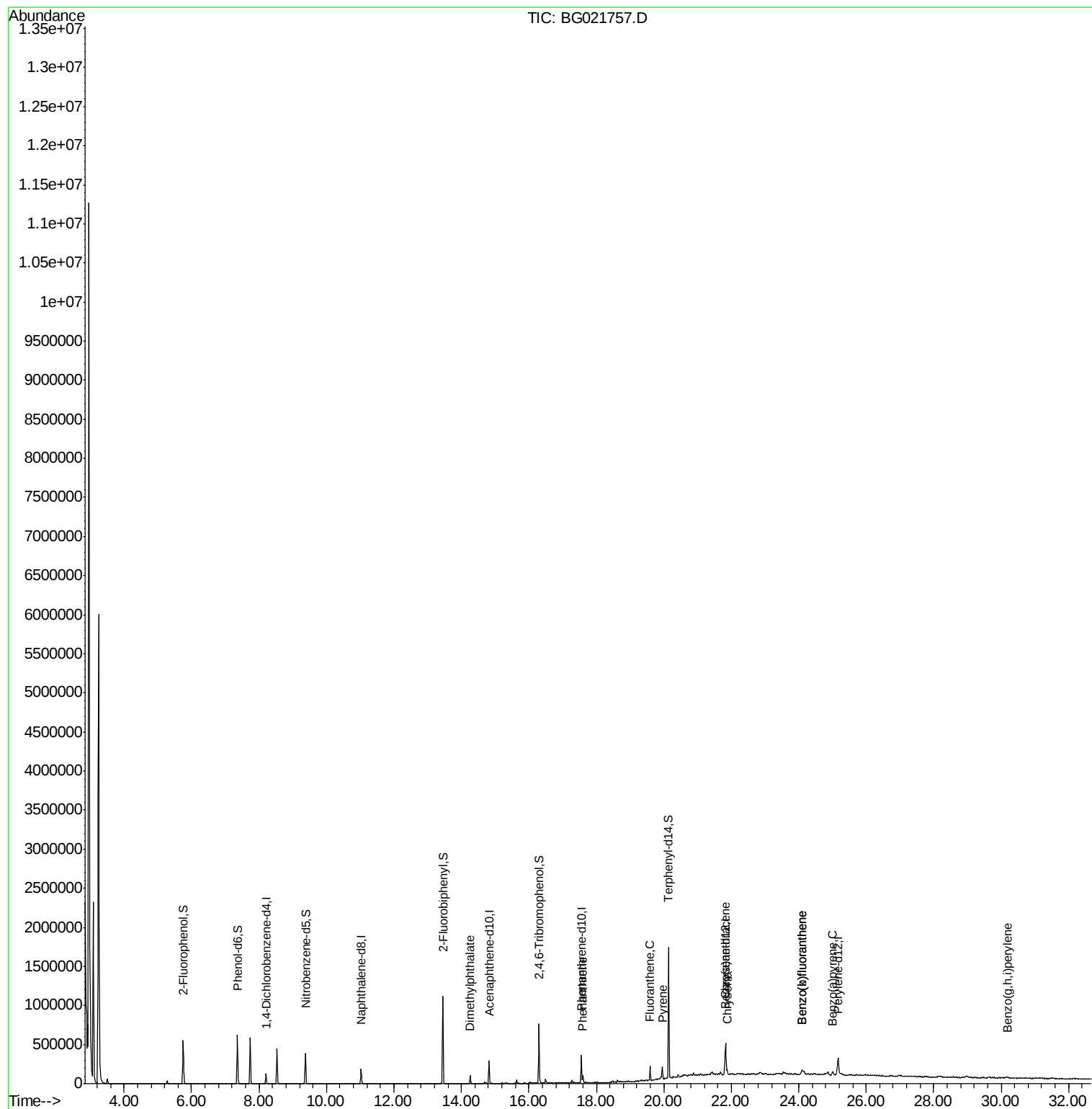
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.21	152	36439	20.00	ng	-0.01
21) Naphthalene-d8	11.03	136	164769	20.00	ng	0.00
38) Acenaphthene-d10	14.82	164	102703	20.00	ng	0.00
63) Phenanthrene-d10	17.56	188	215338	20.00	ng	0.00
75) Chrysene-d12	21.83	240	236096	20.00	ng	0.00
86) Perylene-d12	25.17	264	238667	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.75	112	240804	110.05	ng	0.00
7) Phenol-d6	7.36	99	372676	114.02	ng	0.00
23) Nitrobenzene-d5	9.38	82	242598	75.68	ng	0.00
41) 2,4,6-Tribromophenol	16.30	330	139107	125.68	ng	0.00
44) 2-Fluorobiphenyl	13.45	172	573835	81.86	ng	0.00
78) Terphenyl-d14	20.14	244	714363	75.50	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	14.26	163	67835	7.64	ng	97
70) Phenanthrene	17.60	178	60909	5.13	ng	98
74) Fluoranthene	19.59	202	112364	7.93	ng	98
77) Pyrene	19.95	202	98604	7.24	ng	99
80) Benzo(a)anthracene	21.81	228	53100	3.91	ng	98
82) Chrysene	21.88	228	50272	3.85	ng	98
87) Benzo(b)fluoranthene	24.10	252	69973	5.05	ng	# 87
88) Benzo(k)fluoranthene	24.10	252	69973	5.17	ng	# 88
89) Benzo(a)pyrene	25.00	252	51076	3.81	ng	# 92
91) Benzo(g,h,i)perylene	30.17	276	31937	2.42	ng	99

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.21 min Scan# 914

Delta R.T. -0.01 min

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Acq: 19 Apr 2016 6:16

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POST-EX-21-20160412

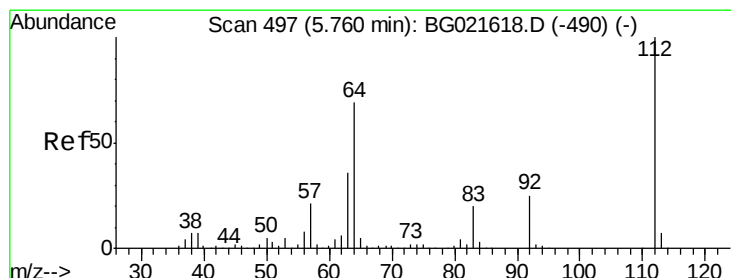
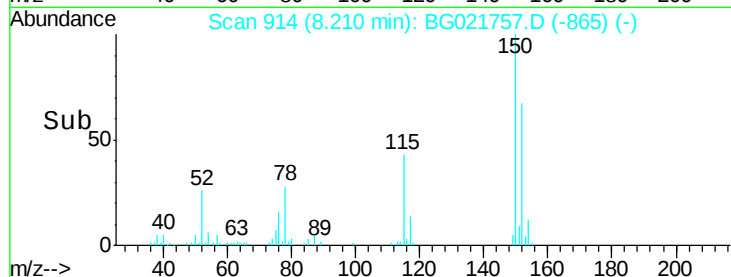
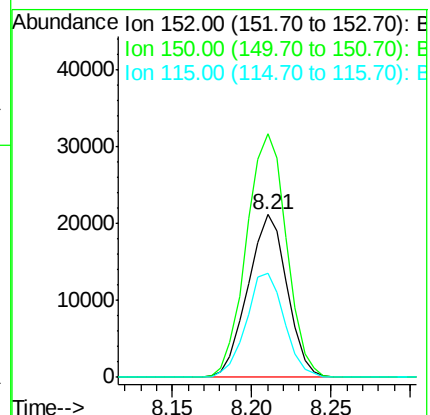
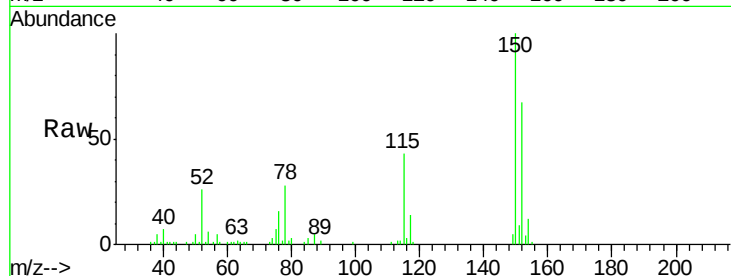
Tgt Ion:152 Resp: 36439

Ion Ratio Lower Upper

152 100

150 149.7 130.1 195.1

115 64.2 62.2 93.2



#5

2-Fluorophenol

Concen: 110.05 ng

RT: 5.75 min Scan# 496

Delta R.T. -0.01 min

Lab File: BG021757.D

Acq: 19 Apr 2016 6:16

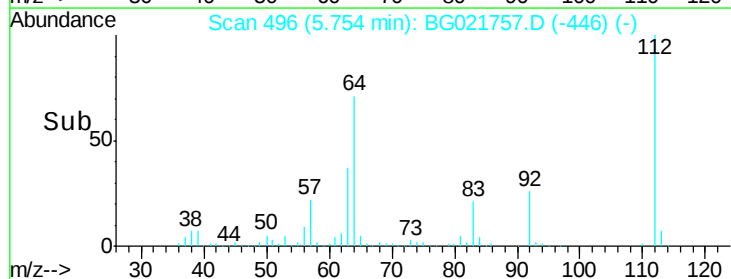
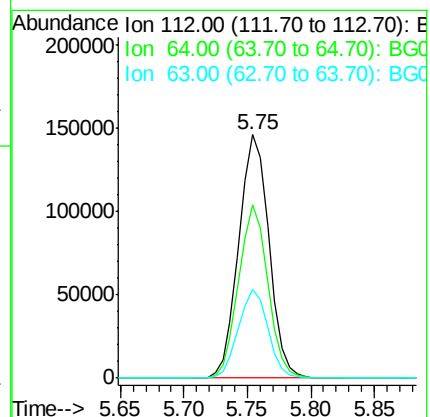
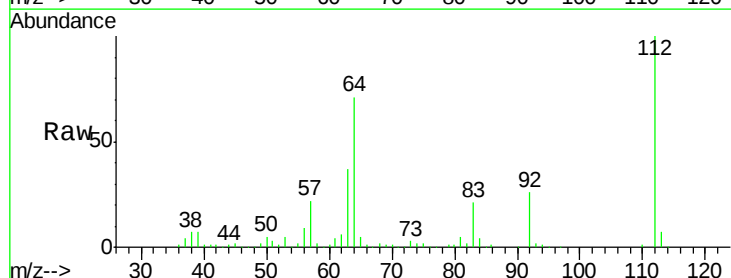
Tgt Ion:112 Resp: 240804

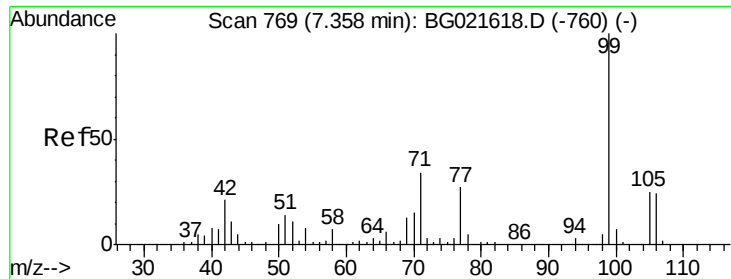
Ion Ratio Lower Upper

112 100

64 71.1 51.1 76.7

63 36.5 24.6 37.0





#7

Phenol-d6

Concen: 114.02 ng

RT: 7.36 min Scan# 770

Delta R.T. 0.01 min

Lab File: BG021757.D

Acq: 19 Apr 2016 6:16

Instrument :

BNA_G

ClientSampleId :

POST-EX-21-20160412

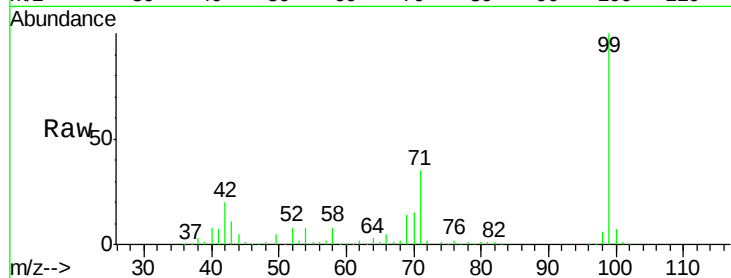
Tgt Ion: 99 Resp: 372676

Ion Ratio Lower Upper

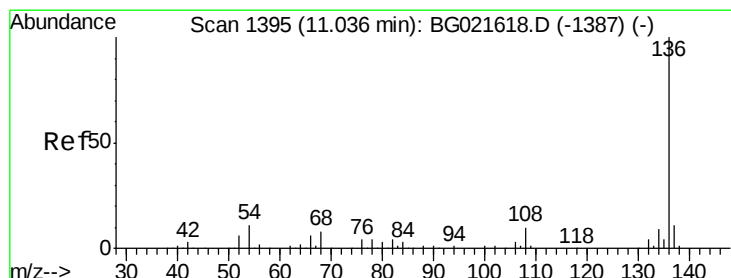
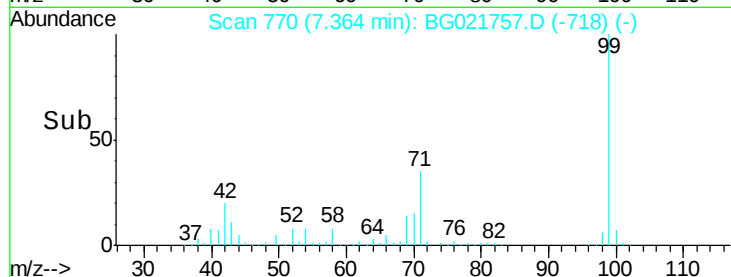
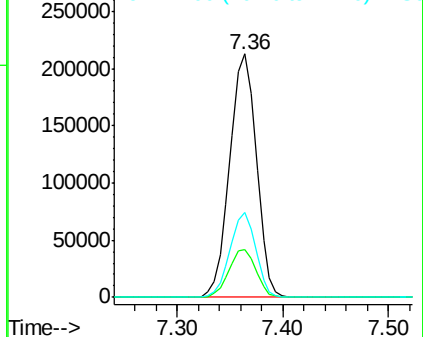
99 100

42 19.9 16.4 24.6

71 34.8 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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 11.03 min Scan# 1394

Delta R.T. -0.01 min

Lab File: BG021757.D

Acq: 19 Apr 2016 6:16

Tgt Ion: 136 Resp: 164769

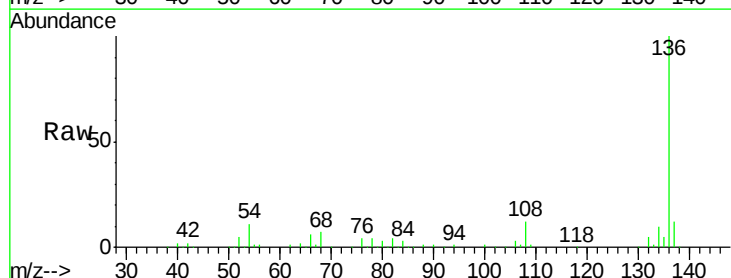
Ion Ratio Lower Upper

136 100

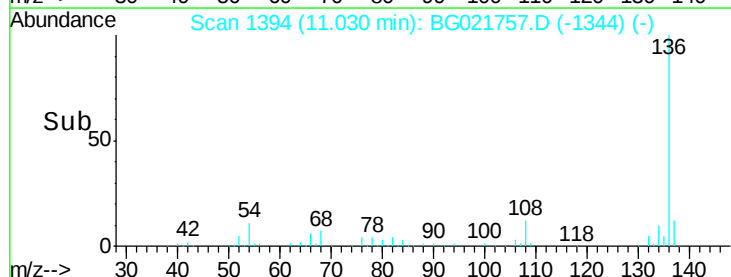
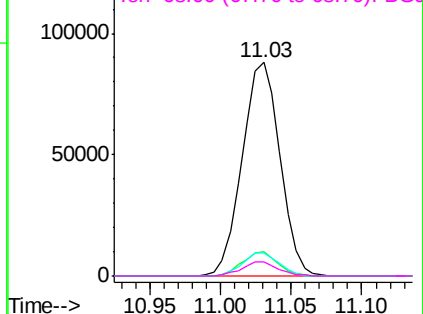
137 11.7 9.0 13.4

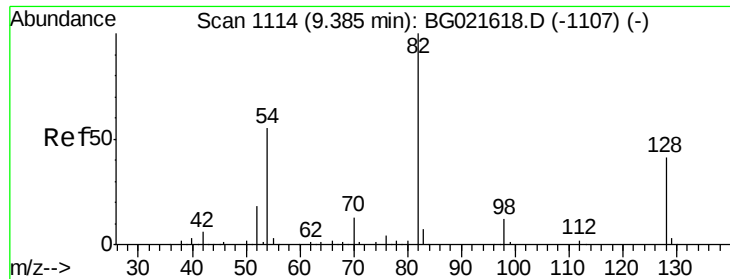
54 10.9 9.6 14.4

68 6.6 6.4 9.6



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

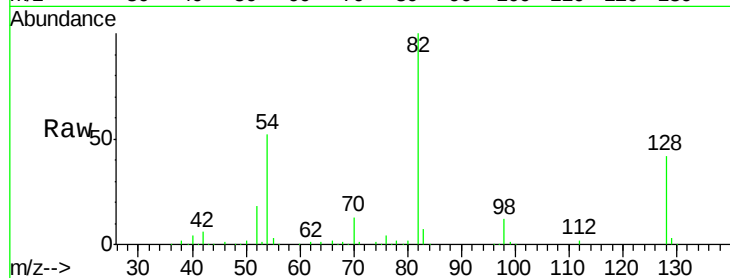




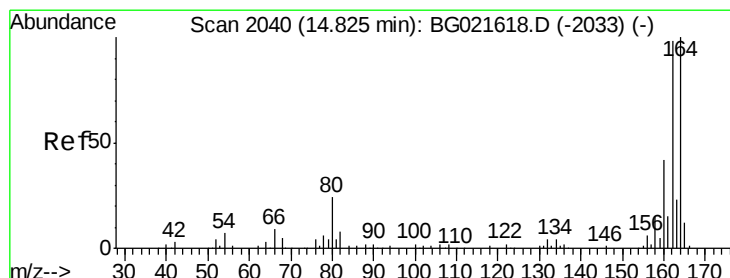
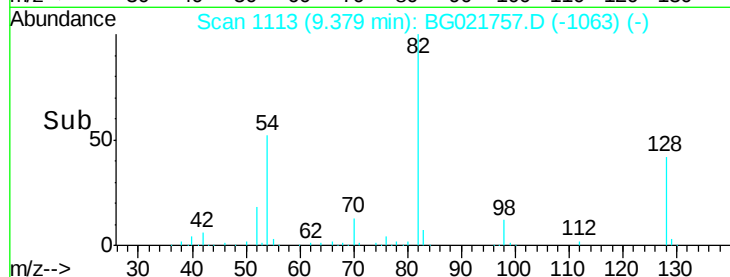
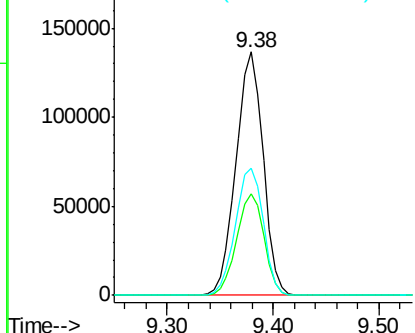
#23
 Nitrobenzene-d5
 Concen: 75.68 ng
 RT: 9.38 min Scan# 1113
 Delta R.T. -0.01 min
 Lab File: BG021757.D
 Acq: 19 Apr 2016 6:16

Instrument :
 BNA_G
 ClientSampleId :
 POST-EX-21-20160412

Tgt Ion	Ratio	Lower	Upper
82	100		
128	41.7	33.4	50.0
54	52.2	46.1	69.1

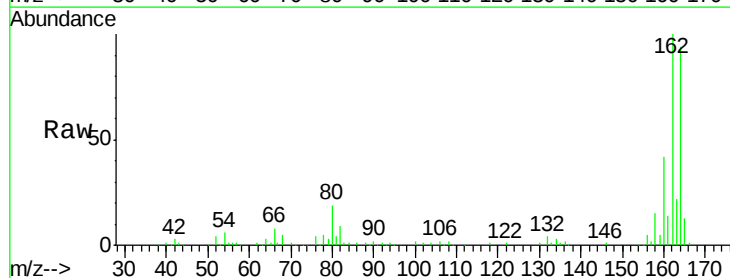


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

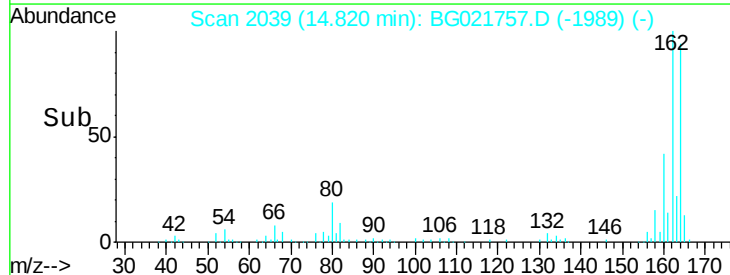
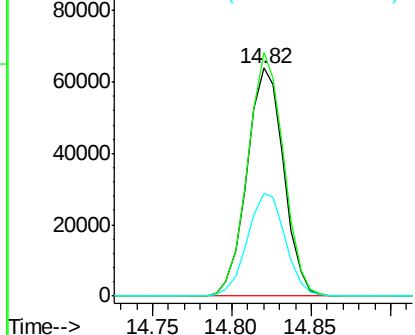


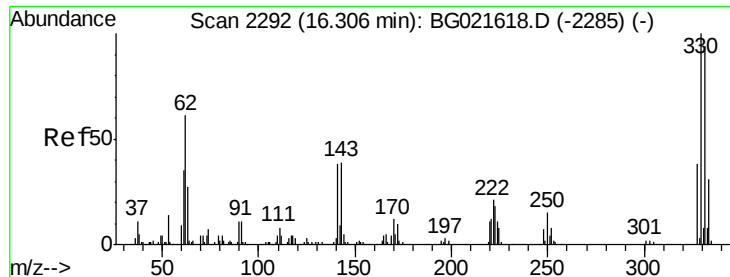
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.82 min Scan# 2039
 Delta R.T. -0.01 min
 Lab File: BG021757.D
 Acq: 19 Apr 2016 6:16

Tgt Ion	Ratio	Lower	Upper
164	100		
162	106.8	78.0	117.0
160	45.2	32.9	49.3



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

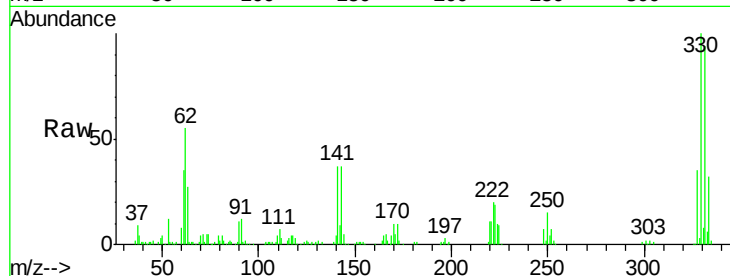




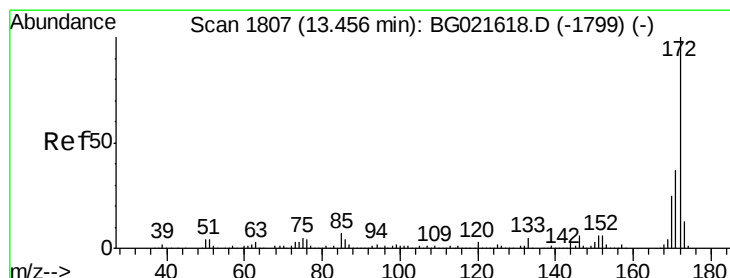
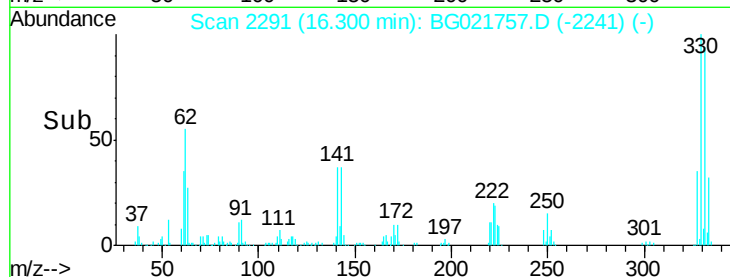
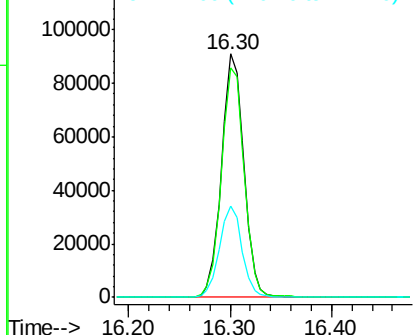
#41
 2,4,6-Tribromophenol
 Concen: 125.68 ng
 RT: 16.30 min Scan# 2291
 Delta R.T. -0.01 min
 Lab File: BG021757.D
 Acq: 19 Apr 2016 6:16

Instrument :
 BNA_G
 ClientSampleId :
 POST-EX-21-20160412

Tgt Ion: 330 Resp: 139107
 Ion Ratio Lower Upper
 330 100
 332 96.9 78.0 117.0
 141 38.0 33.8 50.8

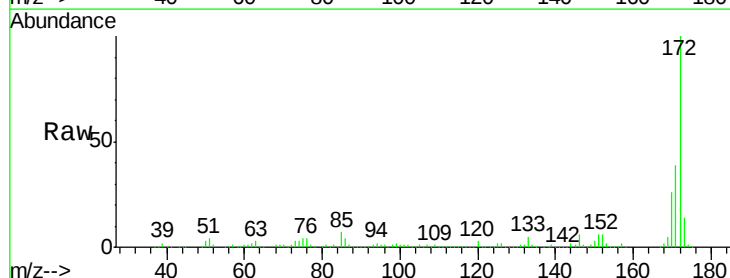


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

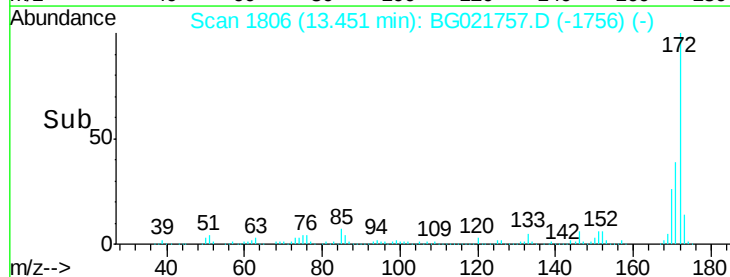
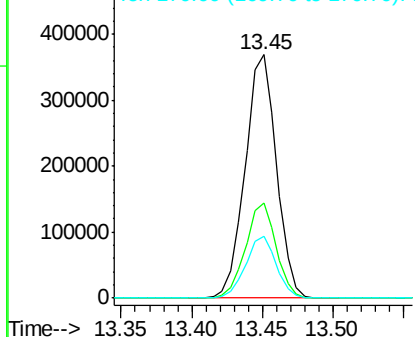


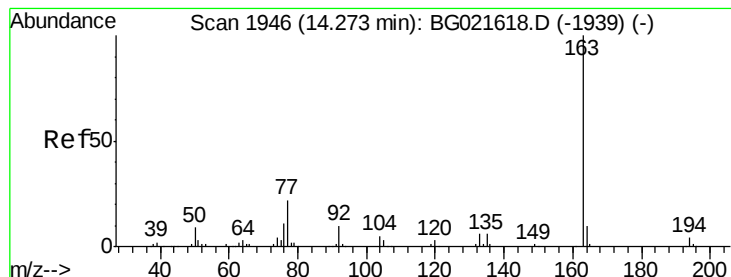
#44
 2-Fluorobiphenyl
 Concen: 81.86 ng
 RT: 13.45 min Scan# 1806
 Delta R.T. -0.01 min
 Lab File: BG021757.D
 Acq: 19 Apr 2016 6:16

Tgt Ion: 172 Resp: 573835
 Ion Ratio Lower Upper
 172 100
 171 38.9 27.8 41.6
 170 25.7 19.6 29.4



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: 7.64 ng

RT: 14.26 min Scan# 1944

Delta R.T. -0.01 min

Lab File: BG021757.D

Acq: 19 Apr 2016 6:16

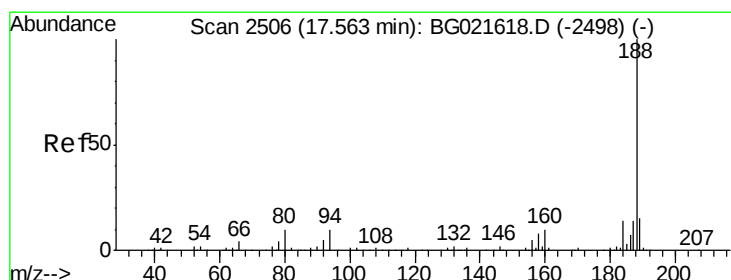
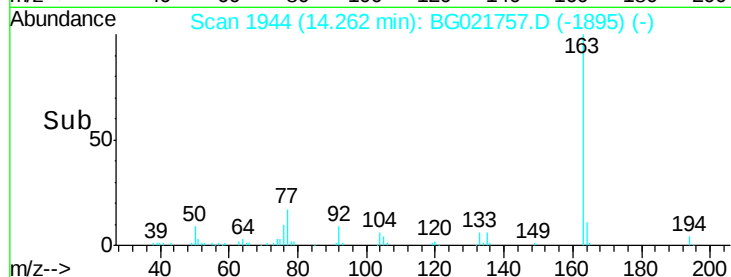
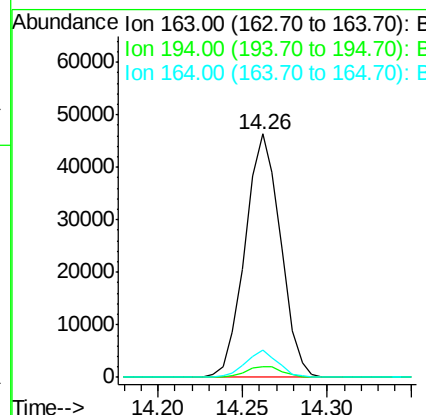
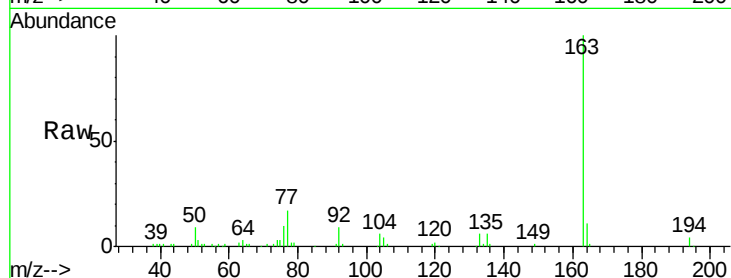
Instrument :

BNA_G

ClientSampleId :

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Tgt Ion:	163	Resp:	67835
Ion Ratio	Lower	Upper	
163	100		
194	4.4	3.0	4.6
164	11.3	8.1	12.1



#63

Phenanthrene-d10

Concen: 20.00 ng

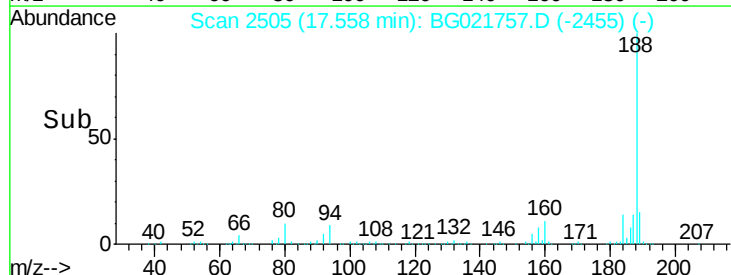
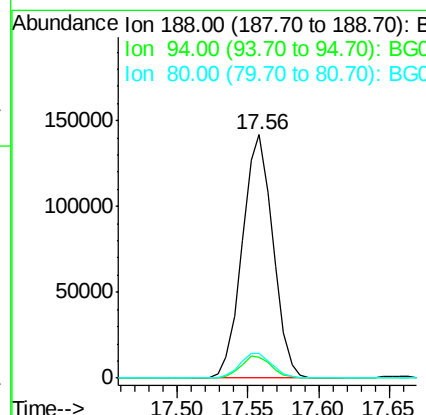
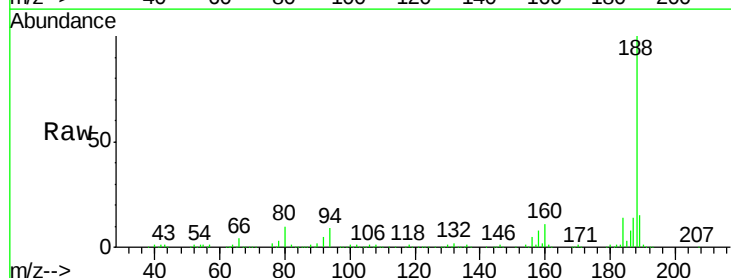
RT: 17.56 min Scan# 2505

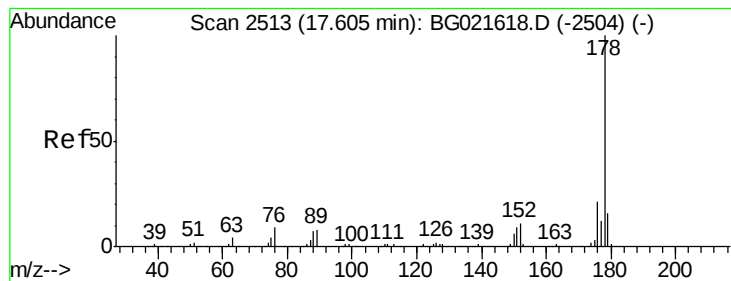
Delta R.T. -0.01 min

Lab File: BG021757.D

Acq: 19 Apr 2016 6:16

Tgt Ion:	188	Resp:	215338
Ion Ratio	Lower	Upper	
188	100		
94	8.7	7.5	11.3
80	10.3	8.6	13.0





#70

Phenanthrene

Concen: 5.13 ng

RT: 17.60 min Scan# 2512

Delta R.T. -0.01 min

Lab File: BG021757.D

Acq: 19 Apr 2016 6:16

Instrument :

BNA_G

ClientSampleId :

POST-EX-21-20160412

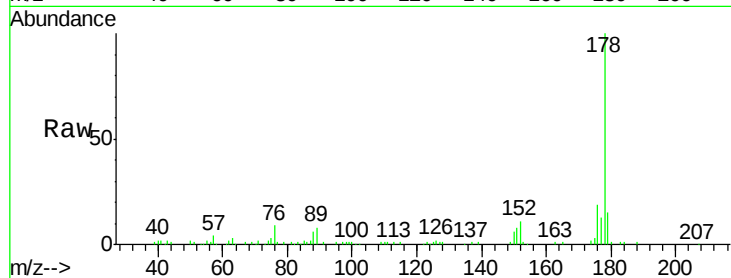
Tgt Ion:178 Resp: 60909

Ion Ratio Lower Upper

178 100

176 19.1 16.2 24.4

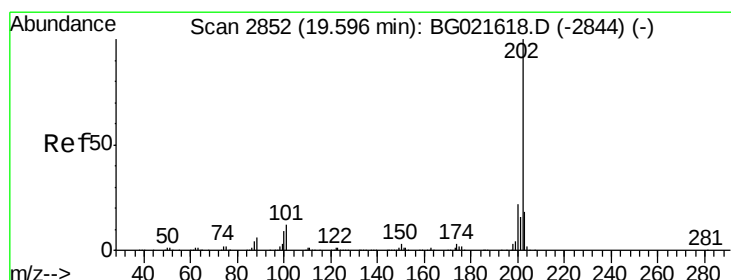
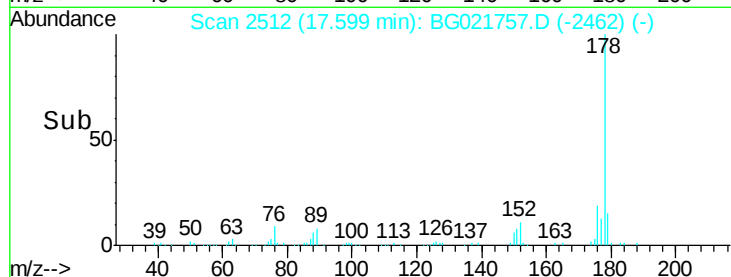
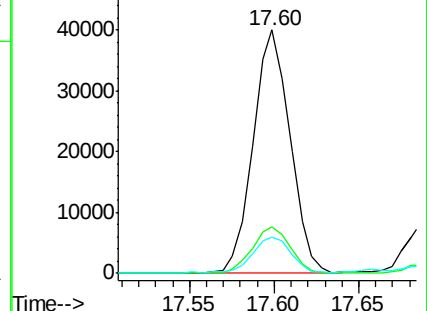
179 15.0 12.0 18.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 7.93 ng

RT: 19.59 min Scan# 2851

Delta R.T. -0.01 min

Lab File: BG021757.D

Acq: 19 Apr 2016 6:16

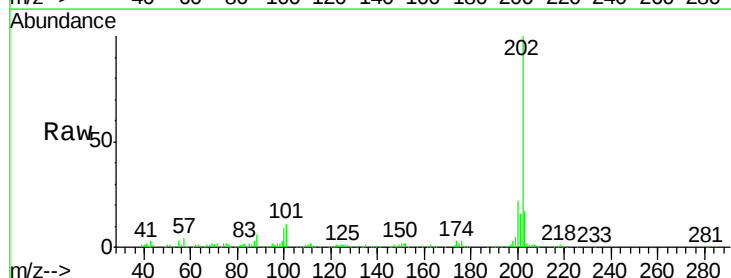
Tgt Ion:202 Resp: 112364

Ion Ratio Lower Upper

202 100

101 11.3 0.0 31.0

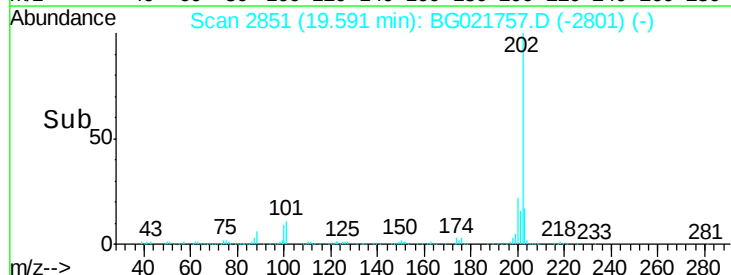
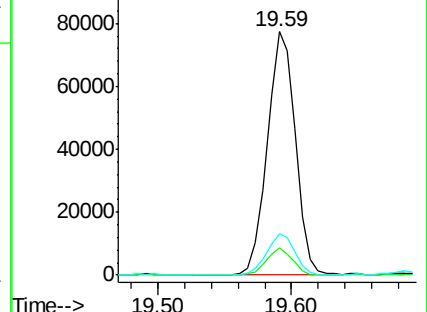
203 17.1 0.0 37.9

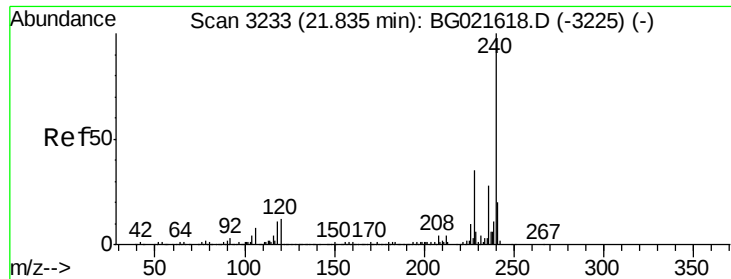


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.83 min Scan# 3232

Delta R.T. -0.01 min

Lab File: BG021757.D

Acq: 19 Apr 2016 6:16

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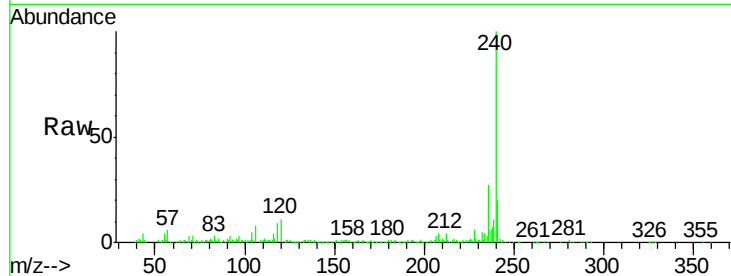
Tgt Ion:240 Resp: 236096

Ion Ratio Lower Upper

240 100

120 10.7 8.4 12.6

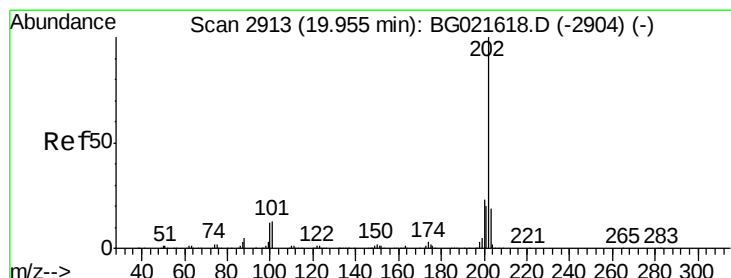
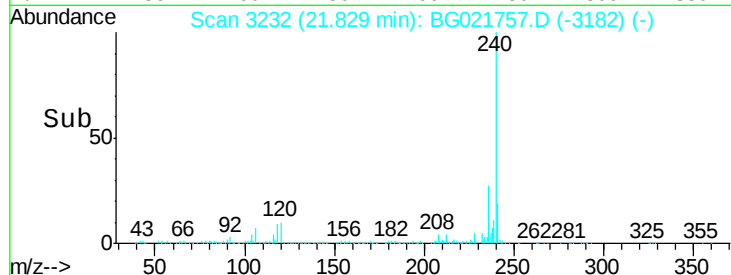
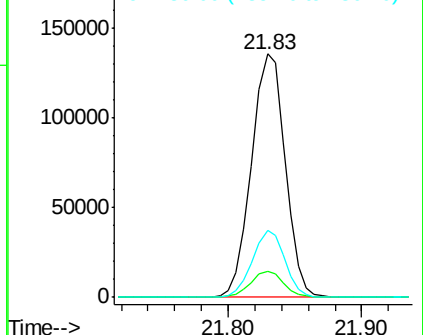
236 27.3 19.6 29.4



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: 7.24 ng

RT: 19.95 min Scan# 2913

Delta R.T. 0.00 min

Lab File: BG021757.D

Acq: 19 Apr 2016 6:16

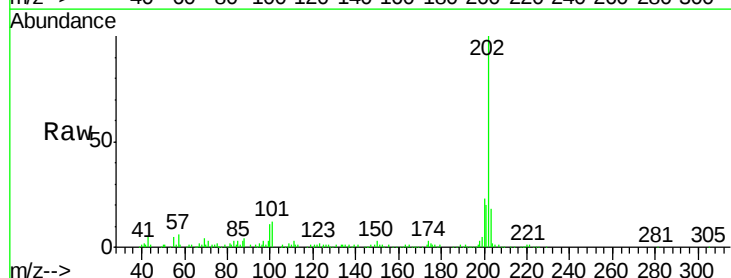
Tgt Ion:202 Resp: 98604

Ion Ratio Lower Upper

202 100

200 22.9 18.2 27.2

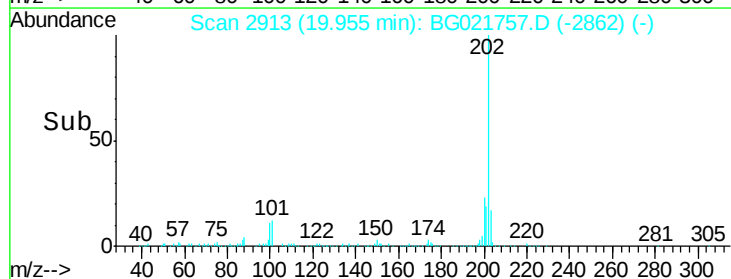
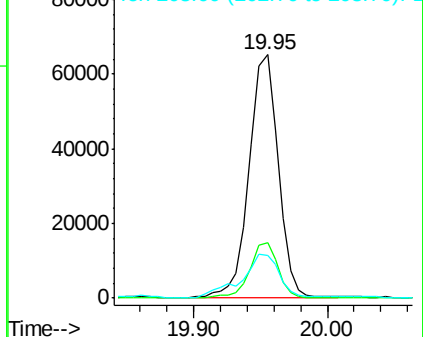
203 17.7 15.0 22.4

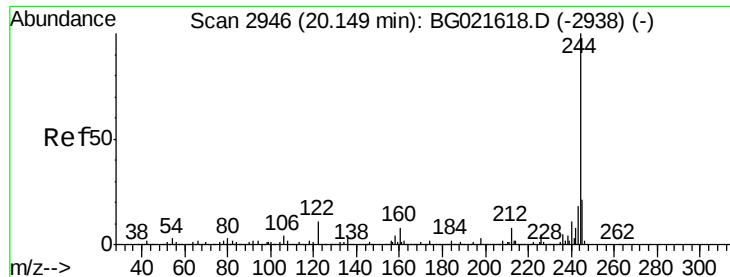


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 75.50 ng

RT: 20.14 min Scan# 2945

Delta R.T. -0.01 min

Lab File: BG021757.D

Acq: 19 Apr 2016 6:16

Instrument :

BNA_G

ClientSampleId :

POST-EX-21-20160412

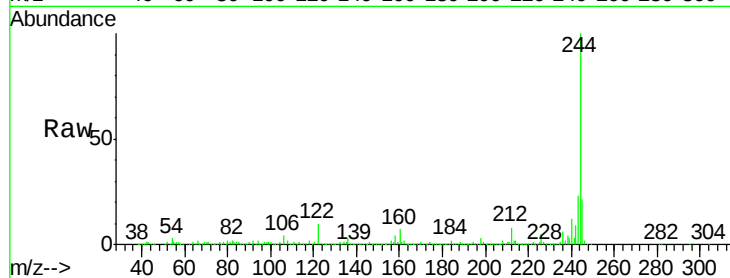
Tgt Ion:244 Resp: 714363

Ion Ratio Lower Upper

244 100

212 7.8 6.5 9.7

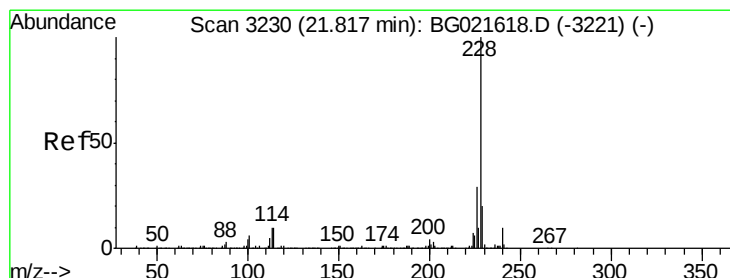
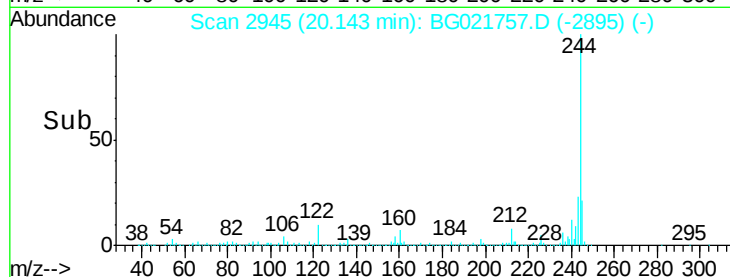
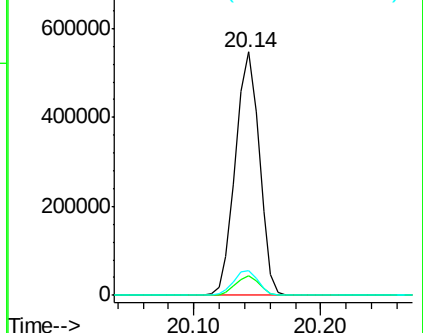
122 10.2 8.6 12.8



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: 3.91 ng

RT: 21.81 min Scan# 3229

Delta R.T. -0.01 min

Lab File: BG021757.D

Acq: 19 Apr 2016 6:16

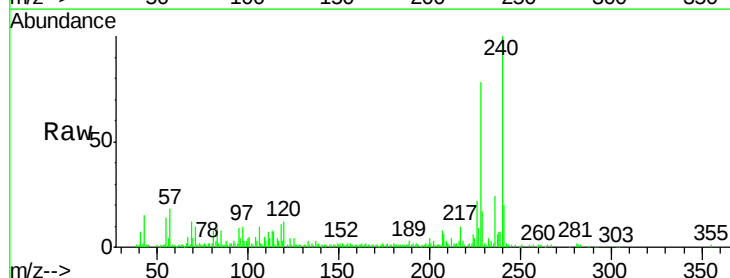
Tgt Ion:228 Resp: 53100

Ion Ratio Lower Upper

228 100

226 27.9 22.6 34.0

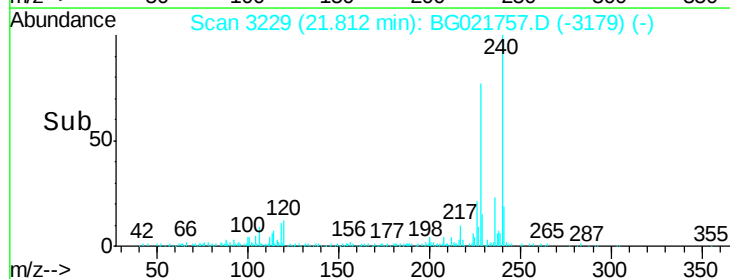
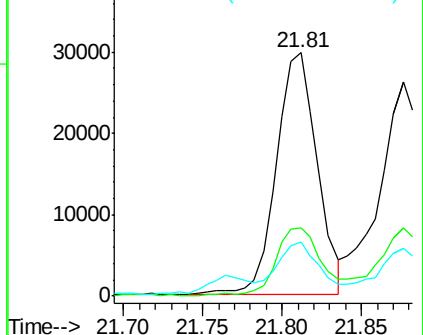
229 22.1 16.1 24.1

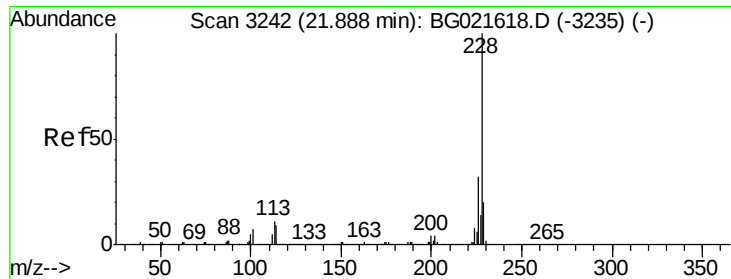


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 3.85 ng

RT: 21.88 min Scan# 3240

Delta R.T. -0.01 min

Lab File: BG021757.D

Acq: 19 Apr 2016 6:16

Instrument :

BNA_G

ClientSampleId :

POST-EX-21-20160412

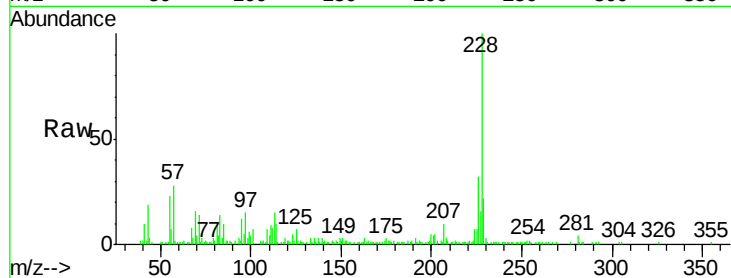
Tgt Ion:228 Resp: 50272

Ion Ratio Lower Upper

228 100

226 32.0 25.4 38.0

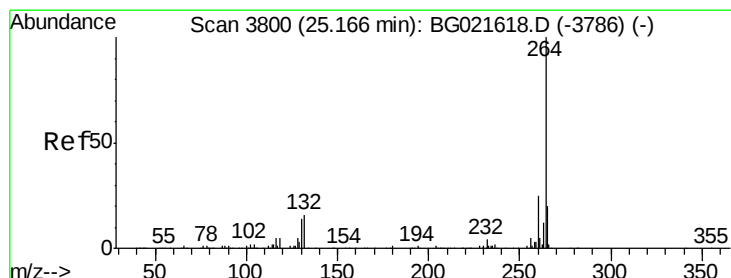
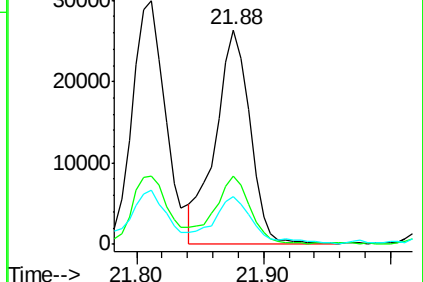
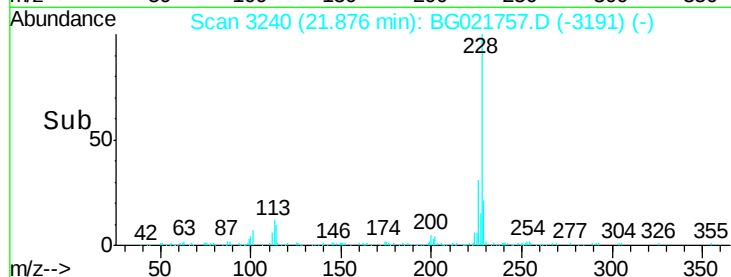
229 22.0 15.9 23.9



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 25.17 min Scan# 3800

Delta R.T. 0.00 min

Lab File: BG021757.D

Acq: 19 Apr 2016 6:16

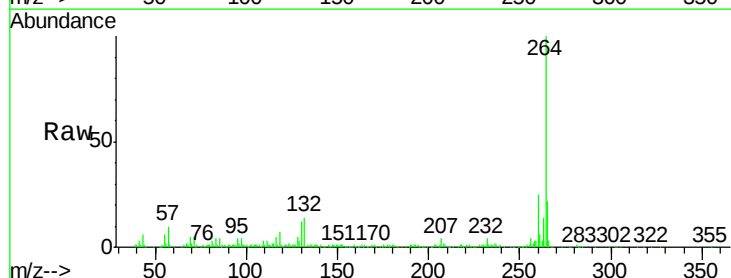
Tgt Ion:264 Resp: 238667

Ion Ratio Lower Upper

264 100

260 24.6 20.2 30.4

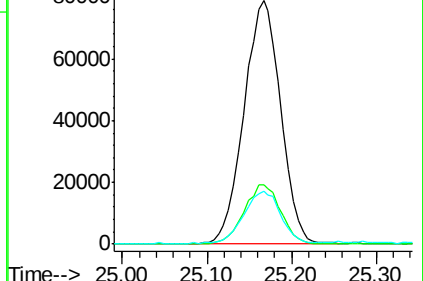
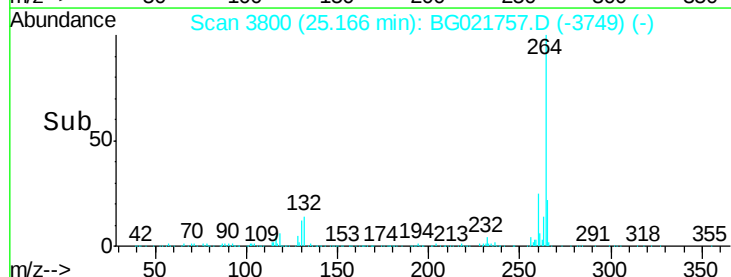
265 21.9 17.8 26.8

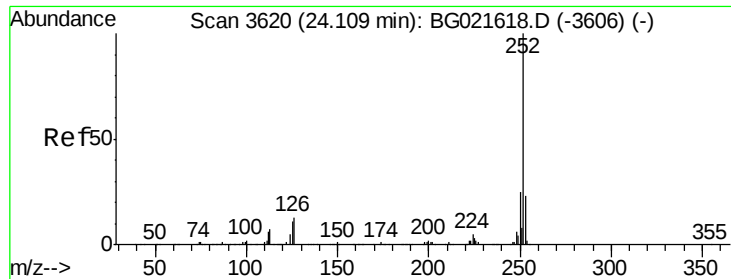


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 5.05 ng

RT: 24.10 min Scan# 3619

Delta R.T. -0.01 min

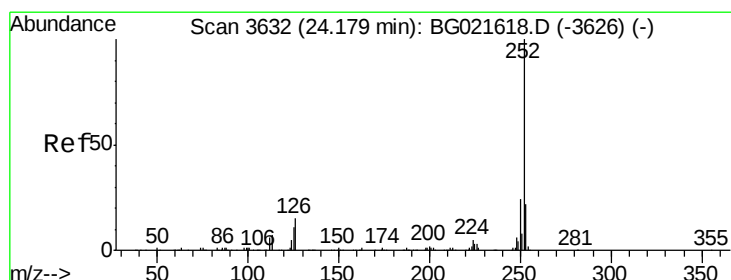
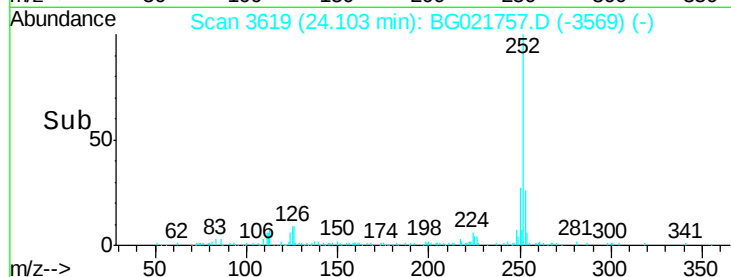
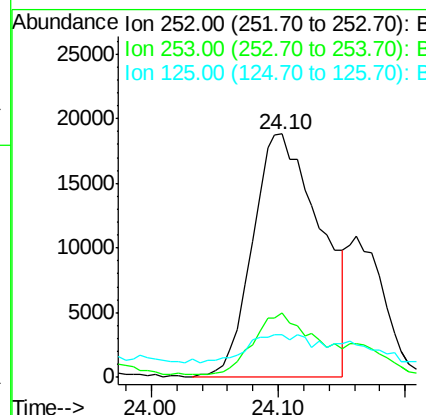
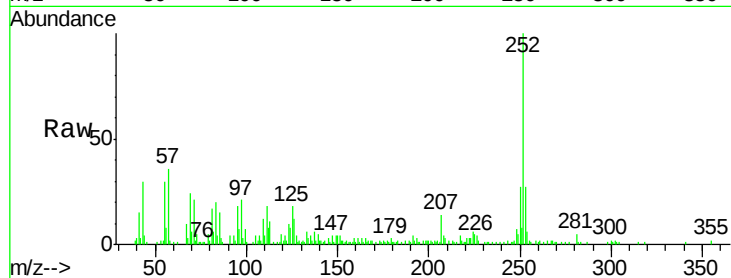
Lab File: BG021757.D

Acq: 19 Apr 2016 6:16

Instrument :
BNA_G
ClientSampleId :
POST-EX-21-20160412

Tgt Ion: 252 Resp: 69973

Ion	Ratio	Lower	Upper
252	100		
253	26.6	17.5	26.3#
125	17.7	8.6	13.0#



#88

Benzo(k)fluoranthene

Concen: 5.17 ng

RT: 24.10 min Scan# 3619

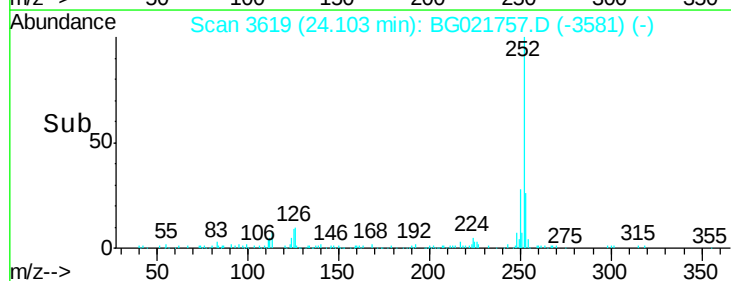
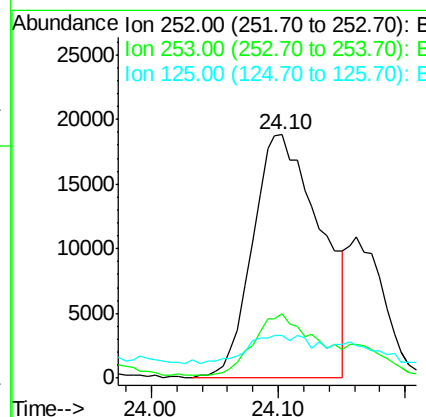
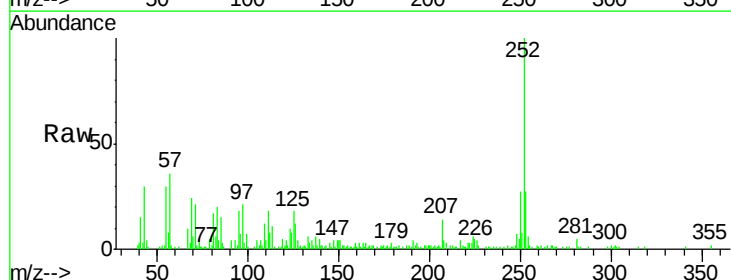
Delta R.T. -0.08 min

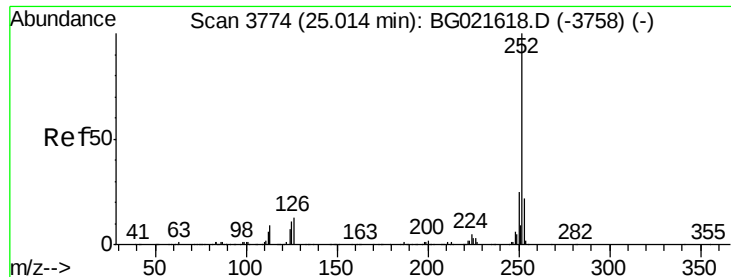
Lab File: BG021757.D

Acq: 19 Apr 2016 6:16

Tgt Ion: 252 Resp: 69973

Ion	Ratio	Lower	Upper
252	100		
253	26.6	17.8	26.8
125	17.7	8.3	12.5#





#89

Benzo(a)pyrene

Concen: 3.81 ng

RT: 25.00 min Scan# 3772

Delta R.T. -0.01 min

Lab File: BG021757.D

Acq: 19 Apr 2016 6:16

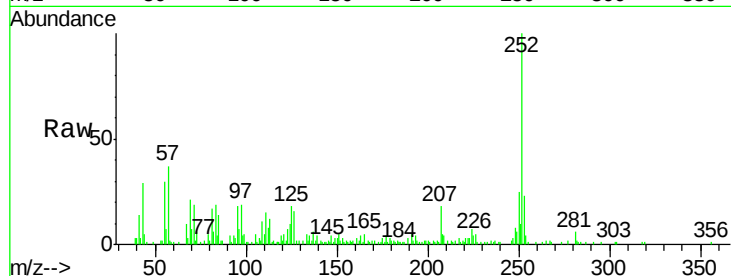
Instrument :

BNA_G

ClientSampleId :

POST-EX-21-20160412

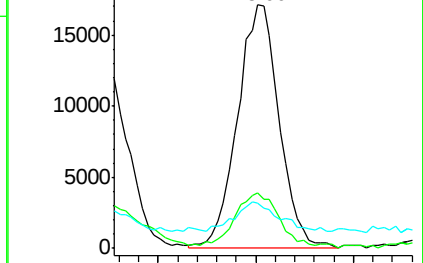
Tgt Ion:	252	Resp:	51076
Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.1	25.7
125	18.4	9.6	14.4#



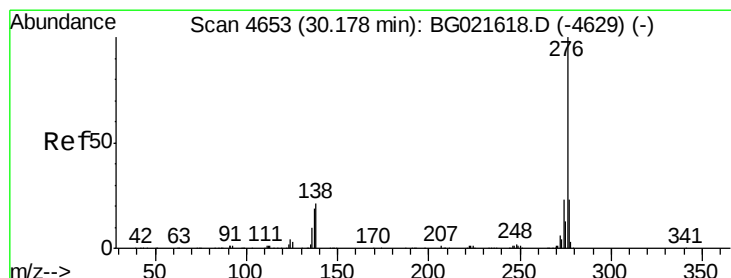
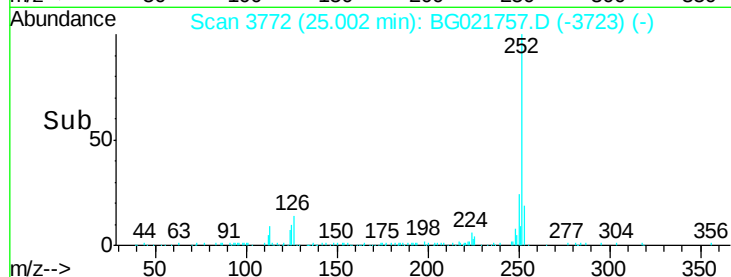
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->



#91

Benzo(g,h,i)perylene

Concen: 2.42 ng

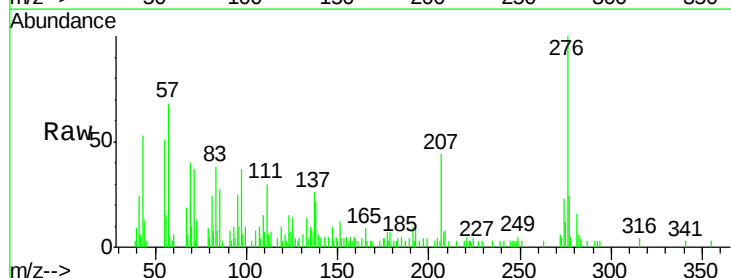
RT: 30.17 min Scan# 4652

Delta R.T. -0.01 min

Lab File: BG021757.D

Acq: 19 Apr 2016 6:16

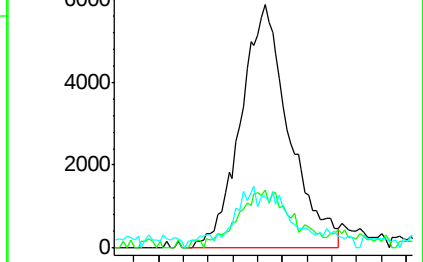
Tgt Ion:	276	Resp:	31937
Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.4	29.2
138	21.4	17.4	26.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E



Time-->

