

Data Path : Z:\HPCHEM1\BNA G\DATA\BG041916\
 Data File : BG021757.D
 Acq On : 19 Apr 2016 6:16
 Operator : UM/SJ
 Sample : H2503-06
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

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

Quant Time: Apr 19 11:43:11 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

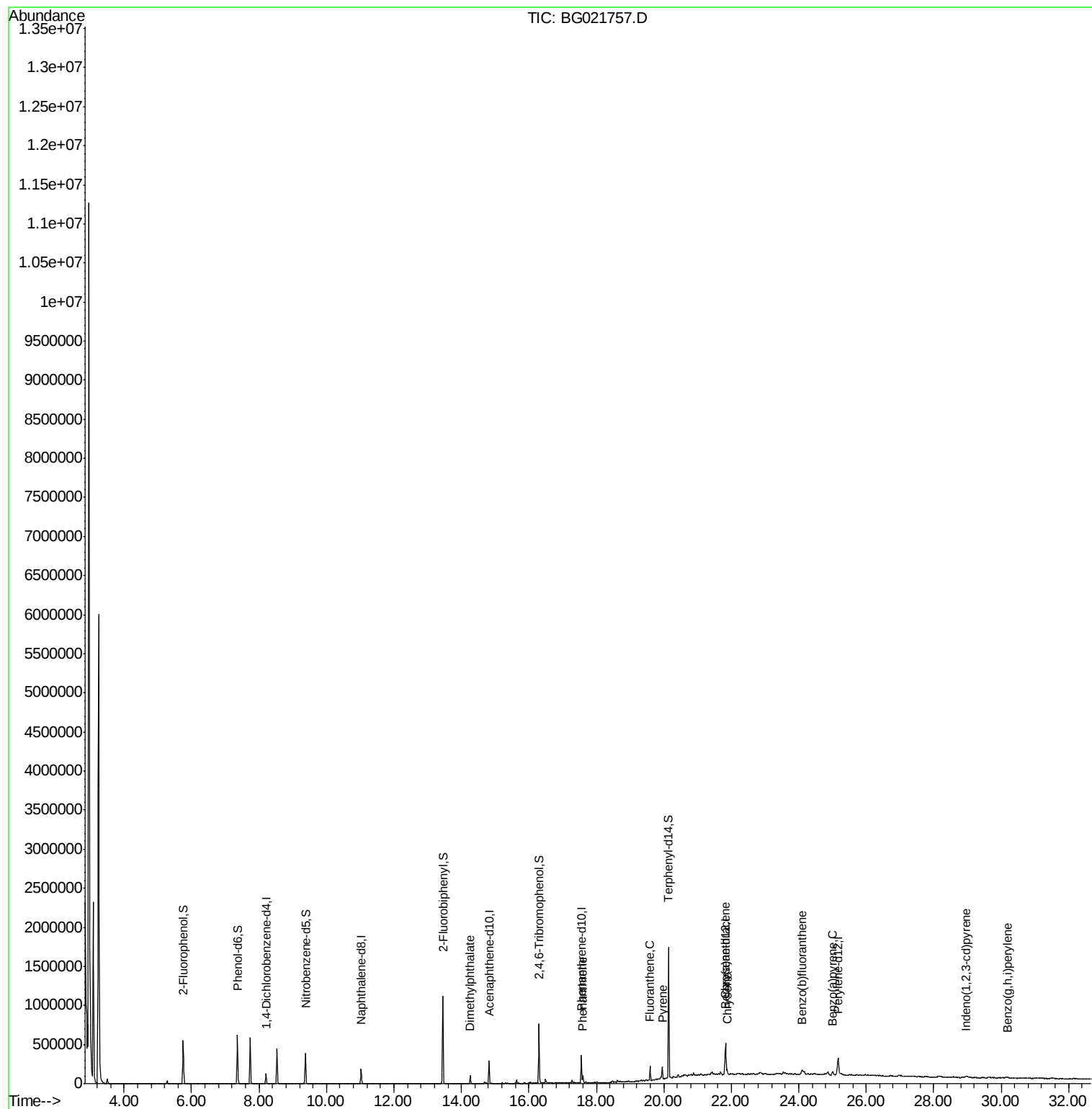
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.21	152	36439	20.00	ng	-0.01
21) Naphthalene-d8	11.03	136	164769	20.00	ng	0.00
38) Acenaphthene-d10	14.82	164	102703	20.00	ng	0.00
63) Phenanthrene-d10	17.56	188	215338	20.00	ng	0.00
75) Chrysene-d12	21.83	240	236096	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
85) Indeno(1,2,3-cd)pyrene	28.97	276	35193m	2.27	ng	
87) Benzo(b)fluoranthene	24.10	252	69973	5.05	ng	# 87
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

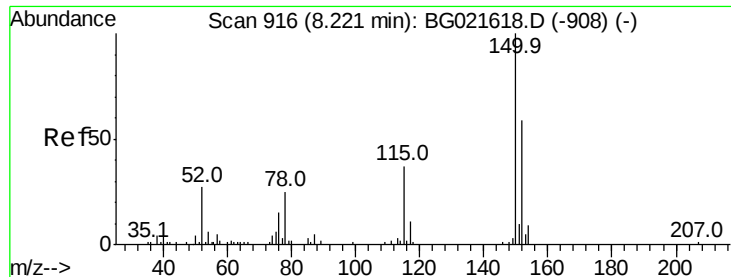
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 18 Sample Multiplier: 1

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.21 min Scan# 914

Delta R.T. -0.01 min

Lab File: BG021757.D

Acq: 19 Apr 2016 6:16

Instrument :

BNA_G

ClientSampleId :

POST-EX-21-20160412

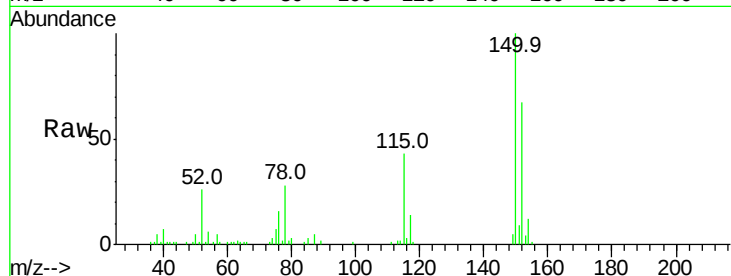
Tot Ion:152 Resp: 36439

Ion Ratio Lower Upper

152 100

150 149.7 130.1 195.1

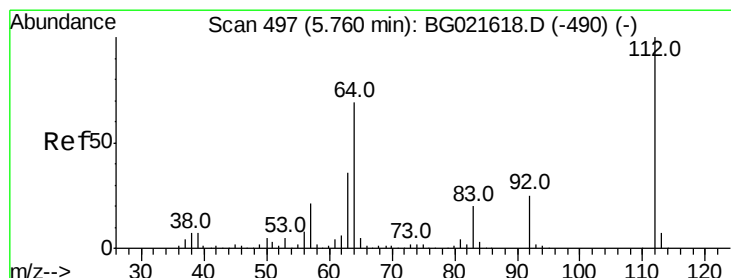
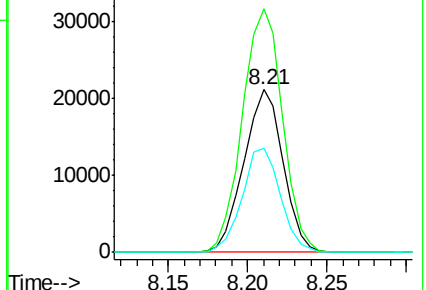
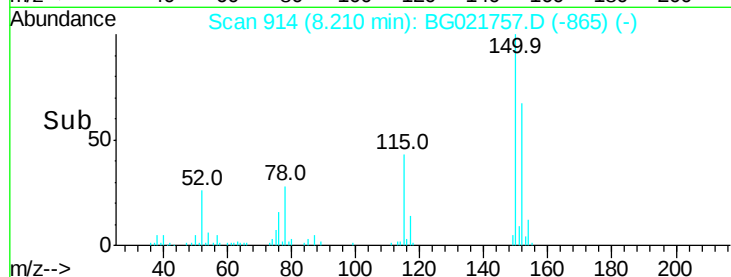
115 64.2 62.2 93.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#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

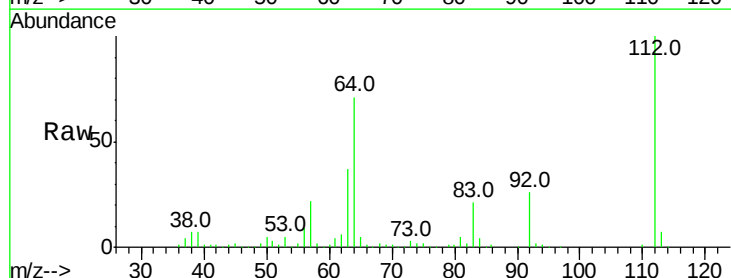
Tgt Ion:112 Resp: 240804

Ion Ratio Lower Upper

112 100

64 71.1 51.1 76.7

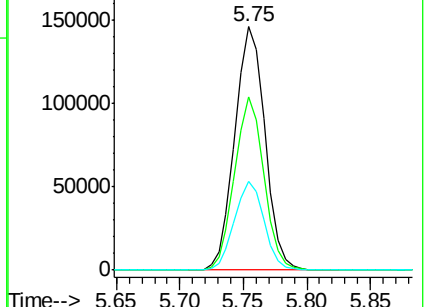
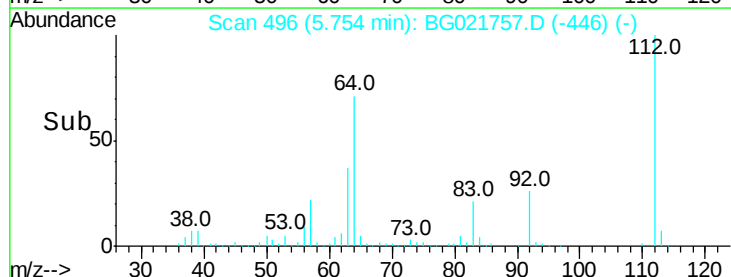
63 36.5 24.6 37.0

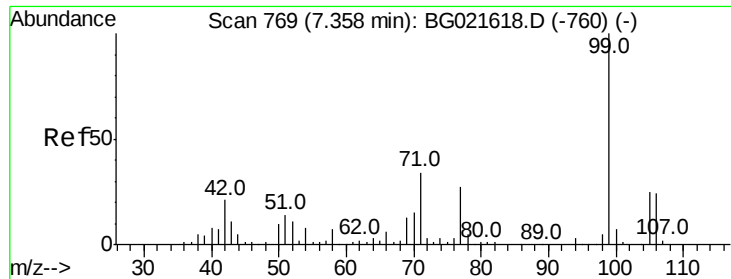


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 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

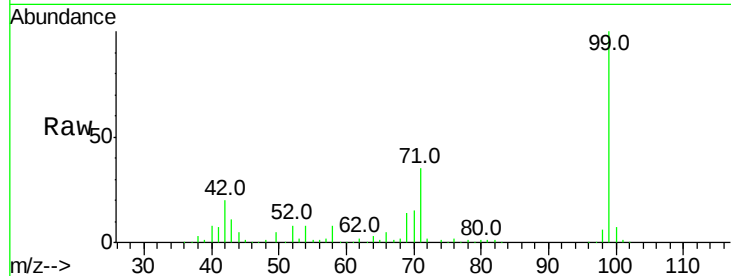
Tot Ion: 99 Resp: 372676

Ion Ratio Lower Upper

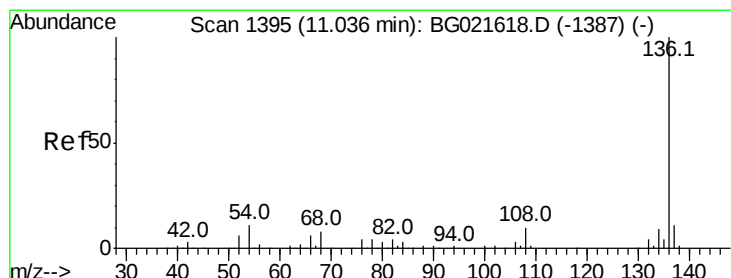
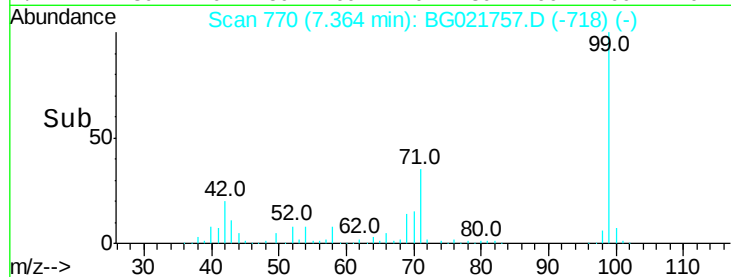
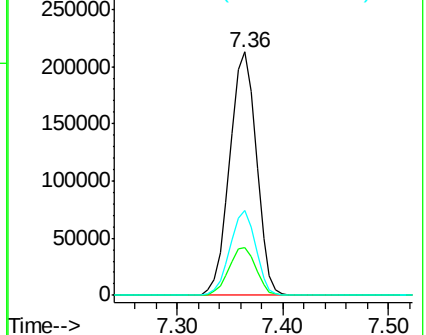
99 100

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

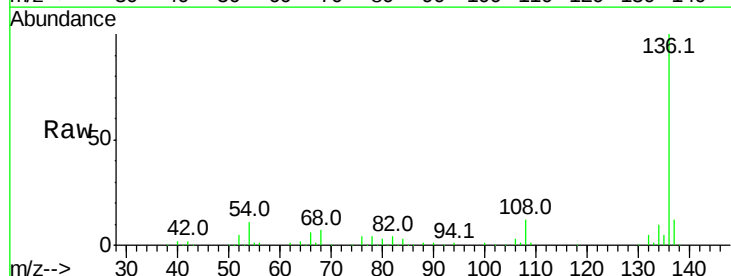
Ion Ratio Lower Upper

136 100

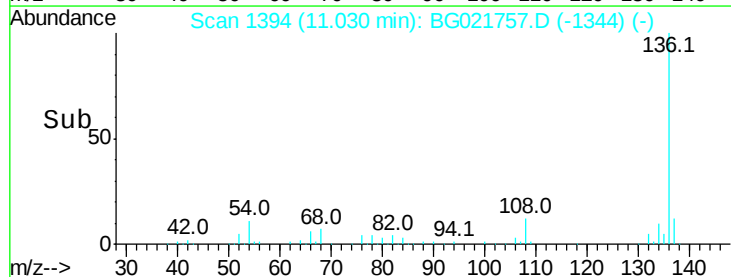
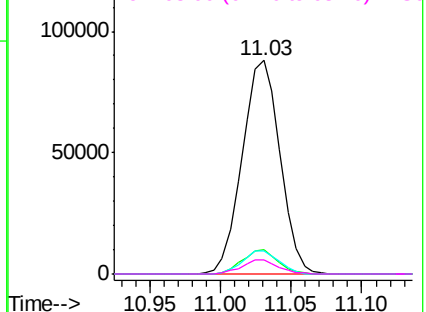
137 11.7 9.0 13.4

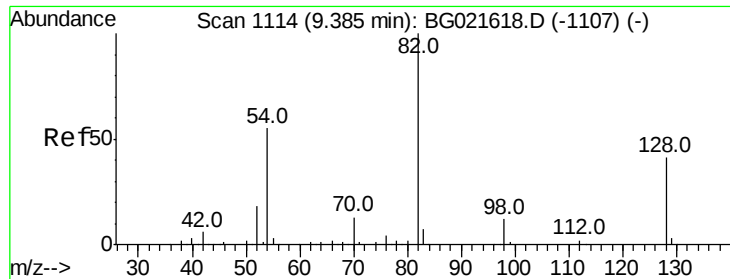
54 10.9 9.6 14.4

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

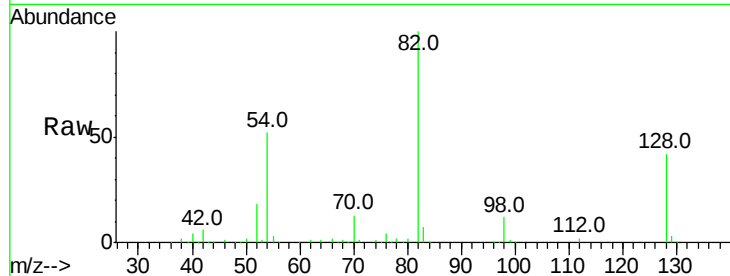




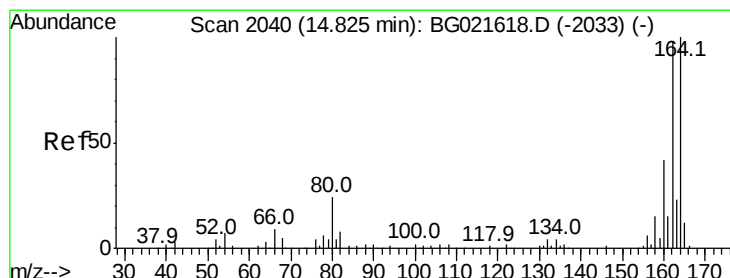
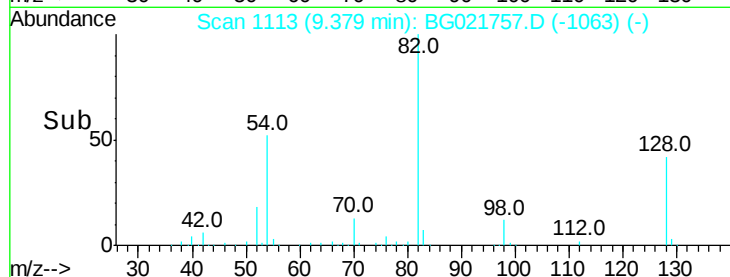
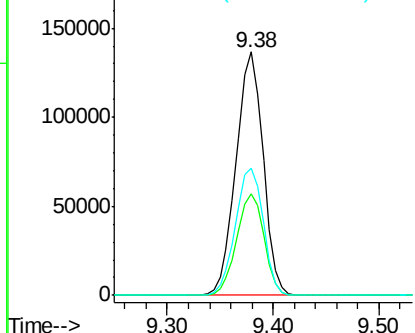
#23
 Nitrobenzene-d5
 Concen: 75.68 ng
 RT: 9.38 min Scan# 1113
 Delta R.T. -0.01 min
 Lab File: BG021757.D
 Acq: 19 Apr 2016 6:16

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

Tot Ion	82	Resp	242598
Ion Ratio	100	Lower	Upper
128	41.7	33.4	50.0
54	52.2	46.1	69.1

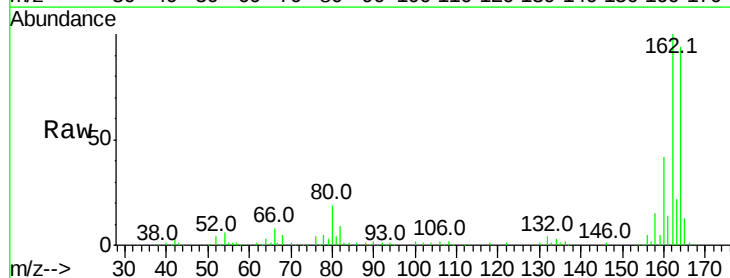


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

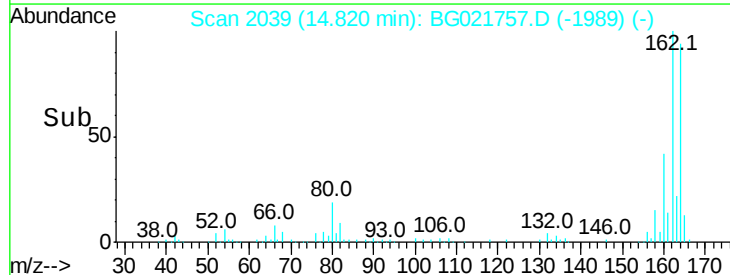
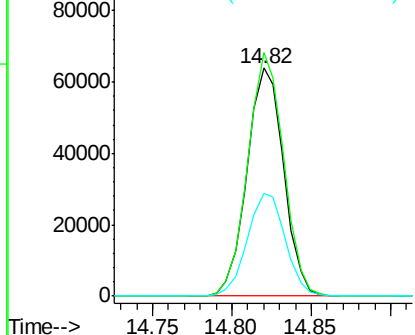


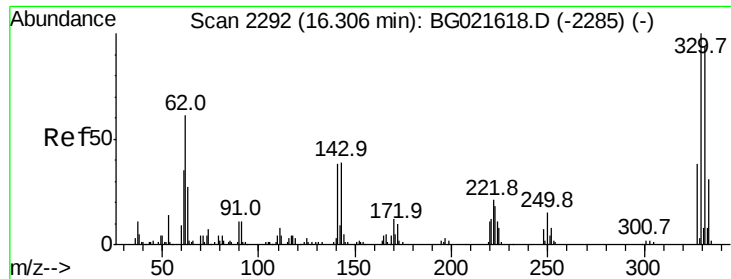
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.82 min Scan# 2039
 Delta R.T. -0.01 min
 Lab File: BG021757.D
 Acq: 19 Apr 2016 6:16

Tgt Ion	164	Resp	102703
Ion Ratio	100	Lower	Upper
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

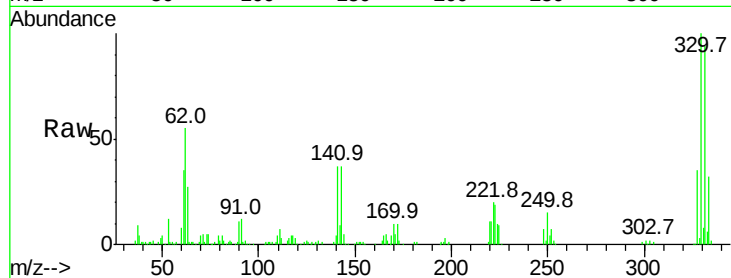




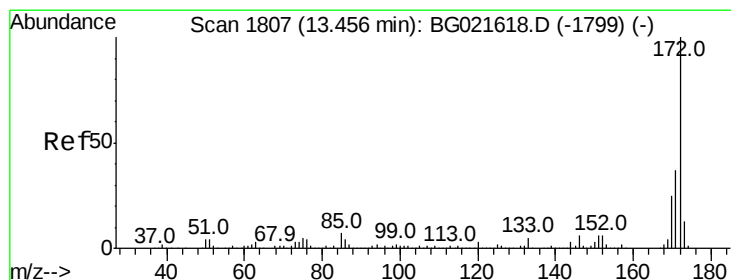
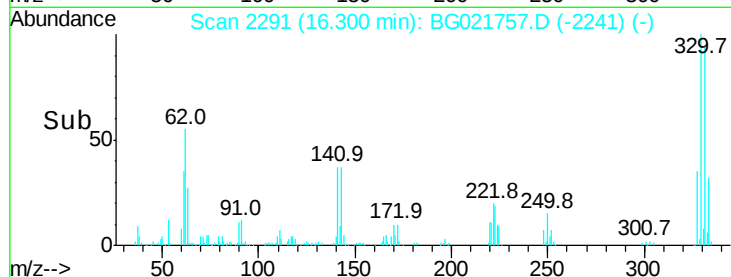
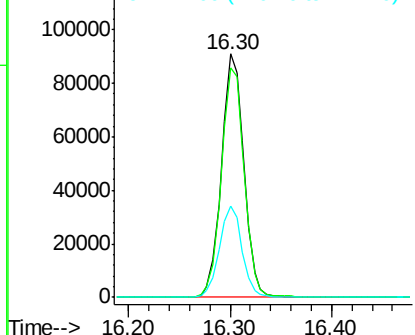
#41
 2,4,6-Tribromophenol
 Concen: 125.68 ng
 RT: 16.30 min Scan# 2291
 Delta R.T. -0.01 min
 Lab File: BG021757.D
 Acq: 19 Apr 2016 6:16

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

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.9	78.0	117.0
141	38.0	33.8	50.8

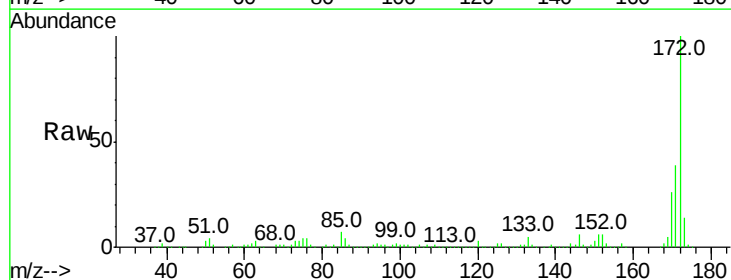


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

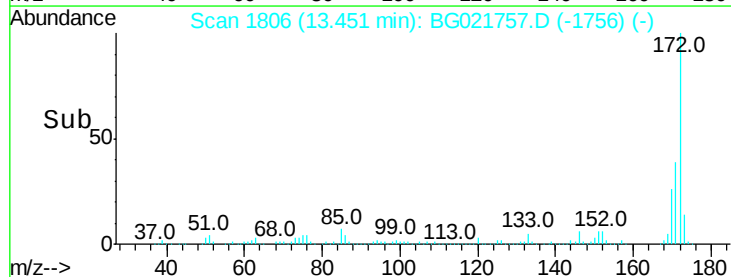
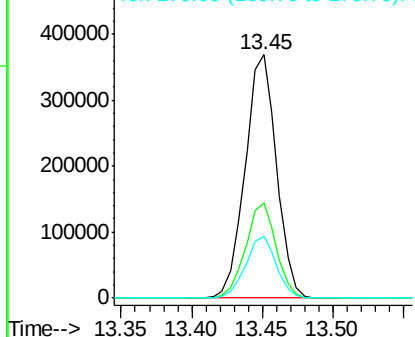


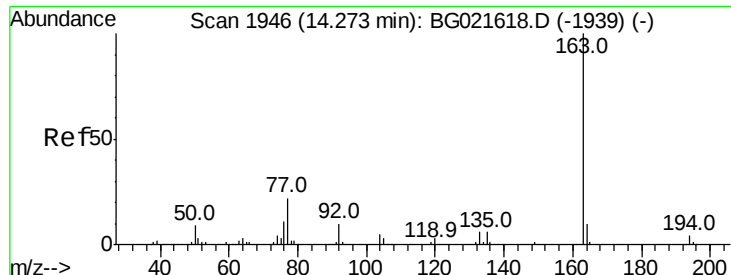
#44
 2-Fluorobiphenyl
 Concen: 81.86 ng
 RT: 13.45 min Scan# 1806
 Delta R.T. -0.01 min
 Lab File: BG021757.D
 Acq: 19 Apr 2016 6:16

Tgt Ion	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 :

POST-EX-21-20160412

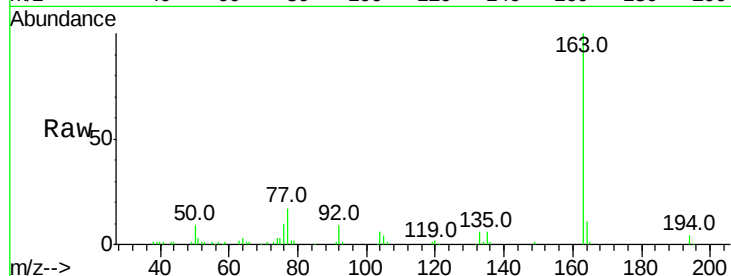
Tot Ion:163 Resp: 67835

Ion Ratio Lower Upper

163 100

194 4.4 3.0 4.6

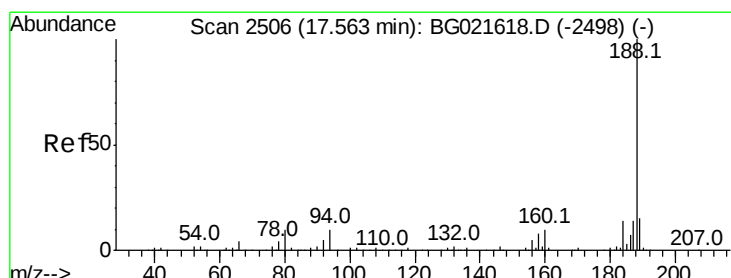
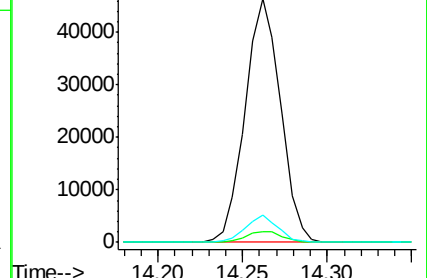
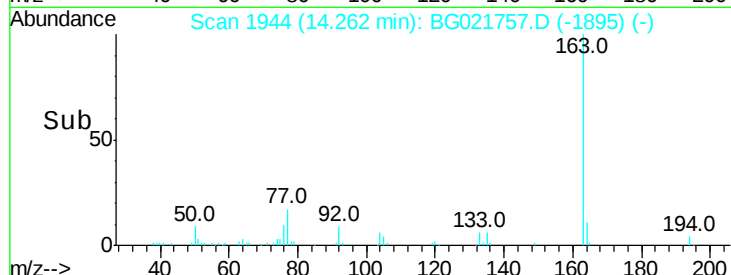
164 11.3 8.1 12.1



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: 17.56 min Scan# 2505

Delta R.T. -0.01 min

Lab File: BG021757.D

Acq: 19 Apr 2016 6:16

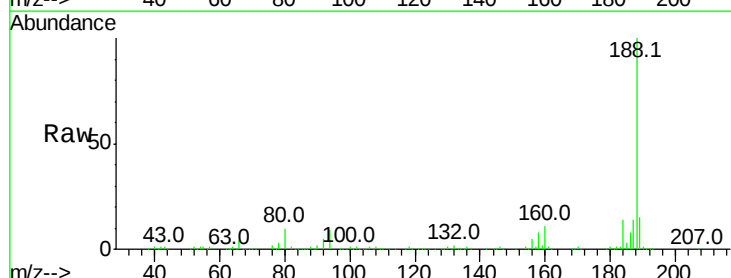
Tgt Ion:188 Resp: 215338

Ion Ratio Lower Upper

188 100

94 8.7 7.5 11.3

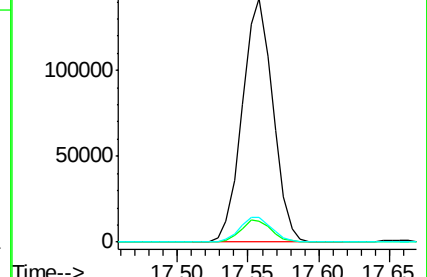
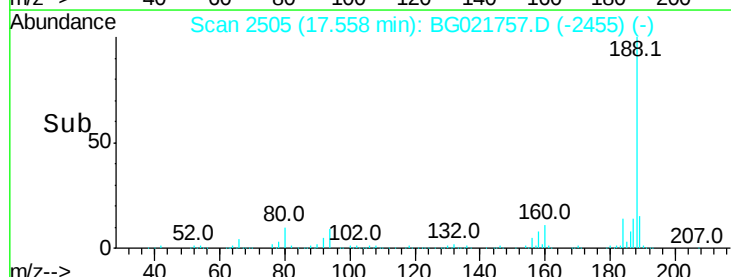
80 10.3 8.6 13.0

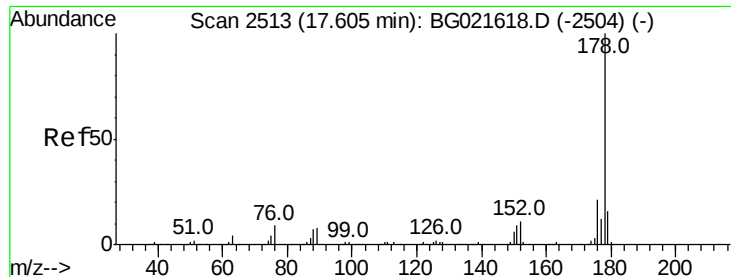


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG0

Ion 80.00 (79.70 to 80.70): BG0





#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

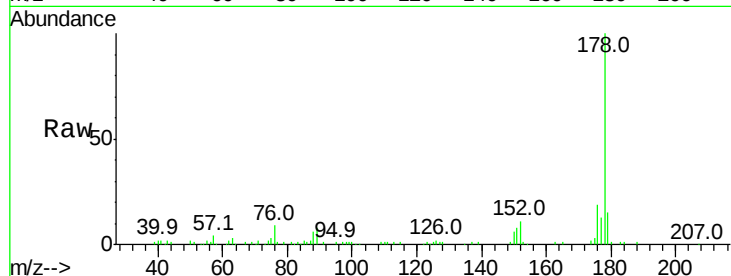
Tot Ion:178 Resp: 60909

Ion Ratio Lower Upper

178 100

176 19.1 16.2 24.4

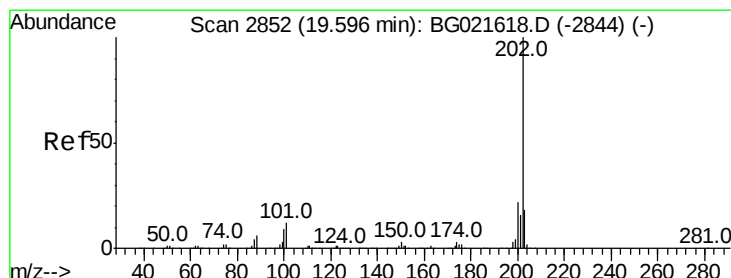
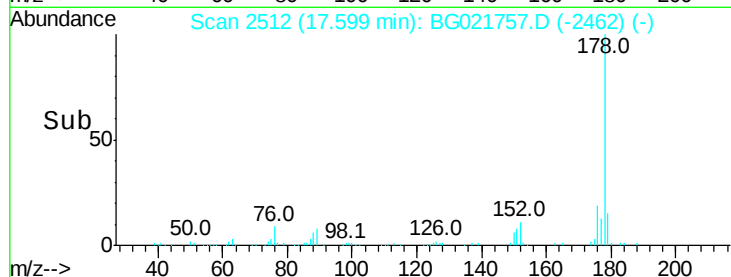
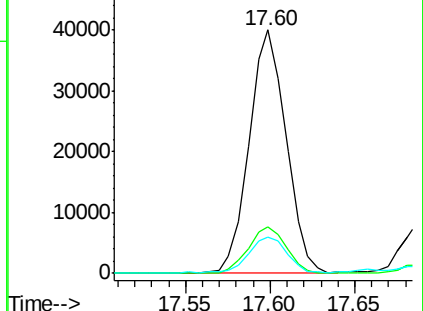
179 15.0 12.0 18.0



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

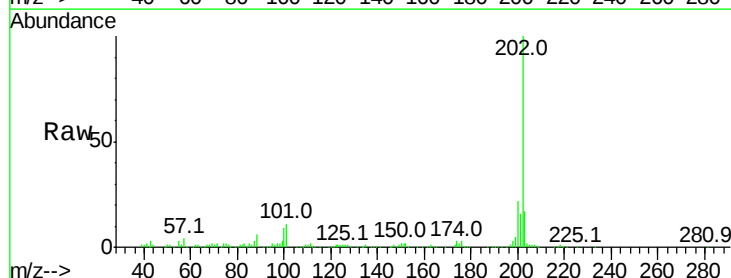
Tgt Ion:202 Resp: 112364

Ion Ratio Lower Upper

202 100

101 11.3 0.0 31.0

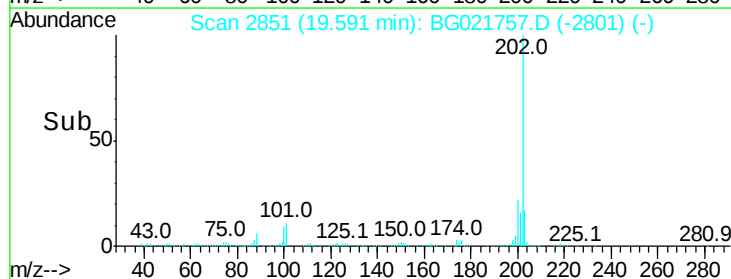
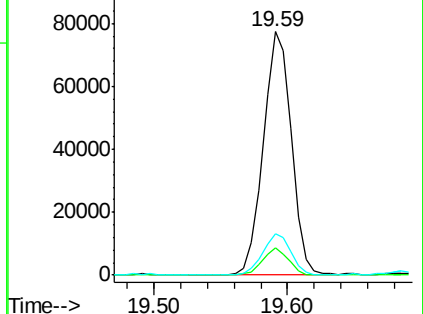
203 17.1 0.0 37.9

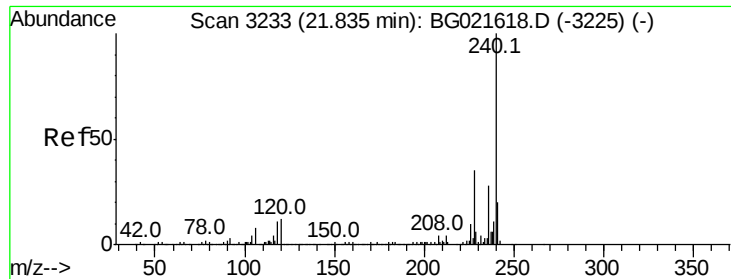


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

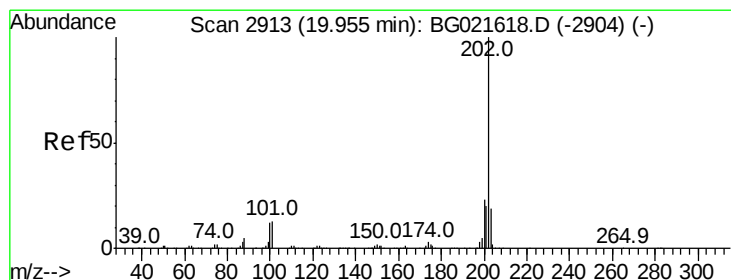
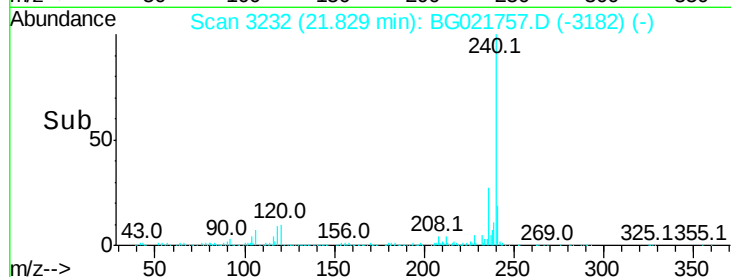
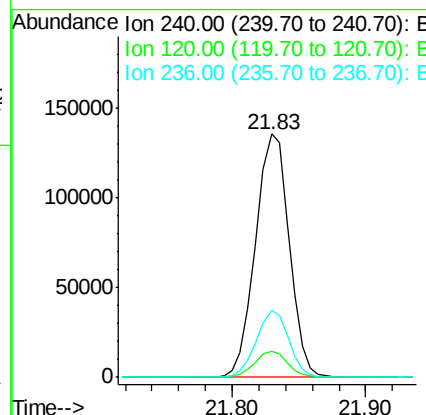
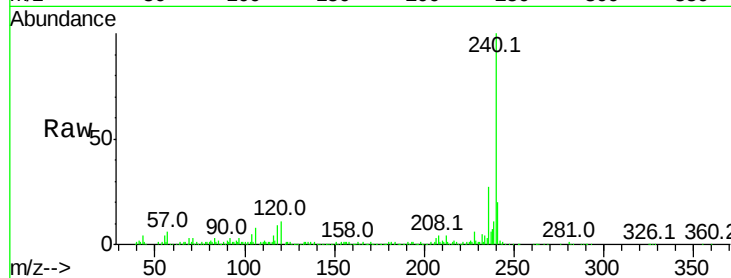




#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.83 min Scan# 3232
Delta R.T. -0.01 min
Lab File: BG021757.D
Acq: 19 Apr 2016 6:16

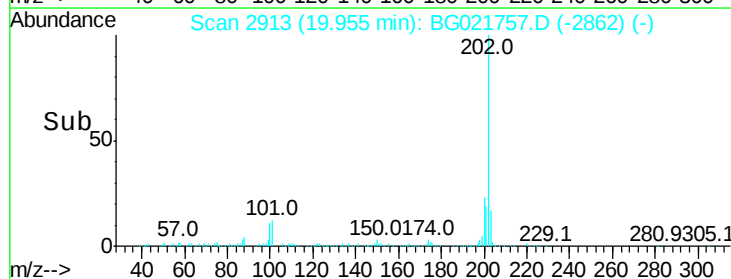
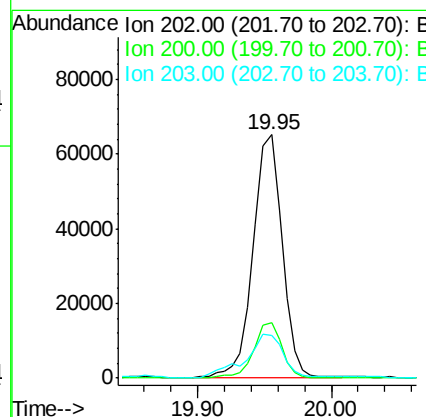
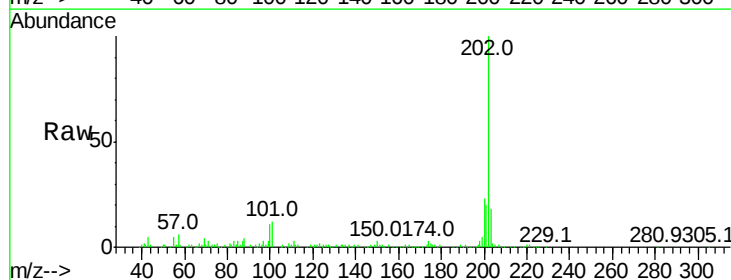
Instrument :
BNA_G
ClientSampleId :
POST-EX-21-20160412

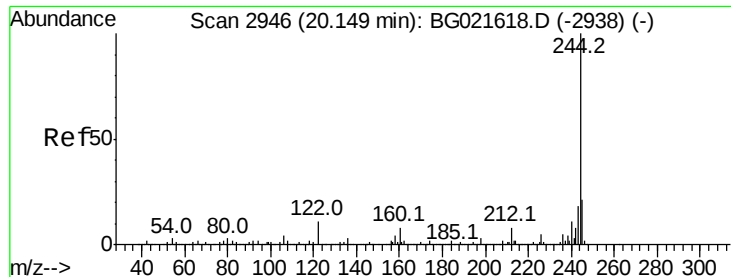
Tot Ion:240 Resp: 236096
Ion Ratio Lower Upper
240 100
120 10.7 8.4 12.6
236 27.3 19.6 29.4



#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





#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

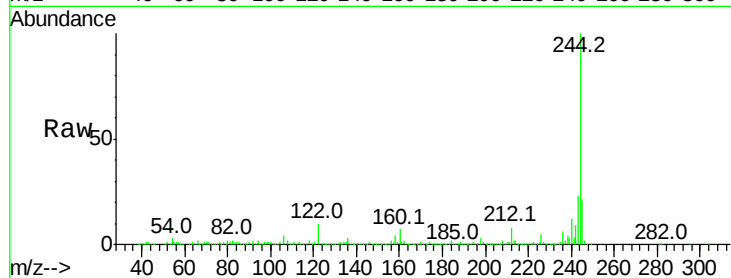
Tot Ion:244 Resp: 714363

Ion Ratio Lower Upper

244 100

212 7.8 6.5 9.7

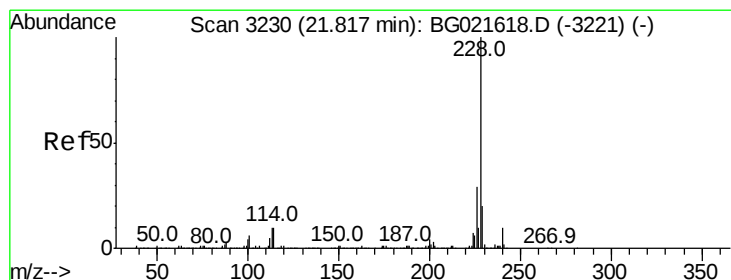
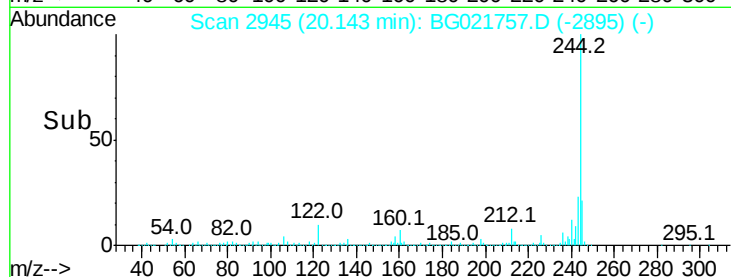
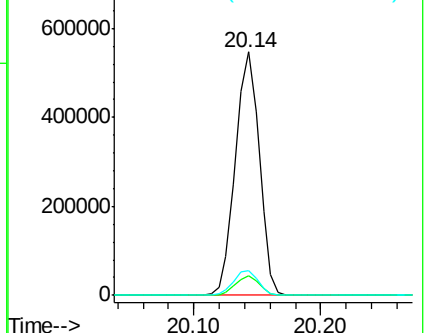
122 10.2 8.6 12.8



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

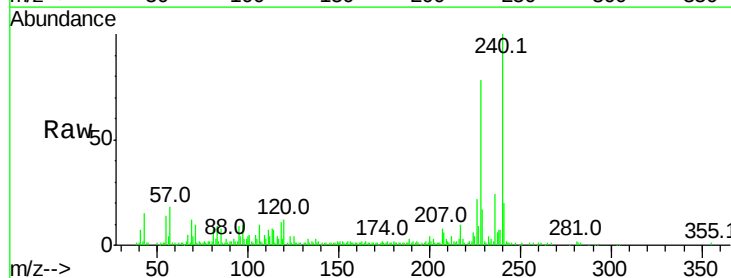
Tgt Ion:228 Resp: 53100

Ion Ratio Lower Upper

228 100

226 27.9 22.6 34.0

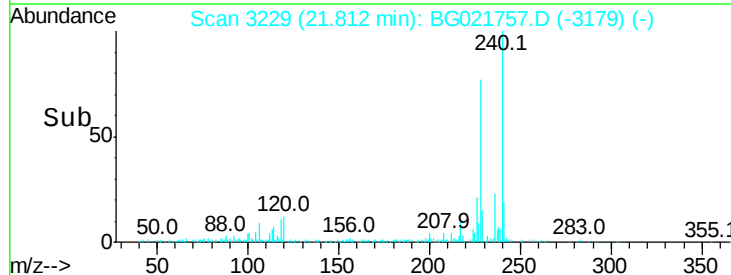
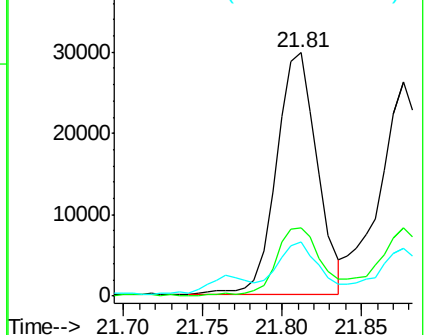
229 22.1 16.1 24.1

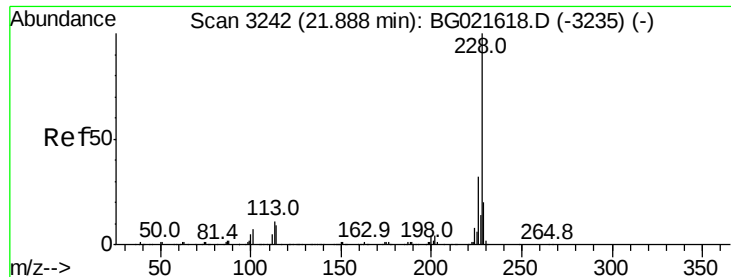


Abundance Ion 228.00 (227.70 to 228.70): E

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

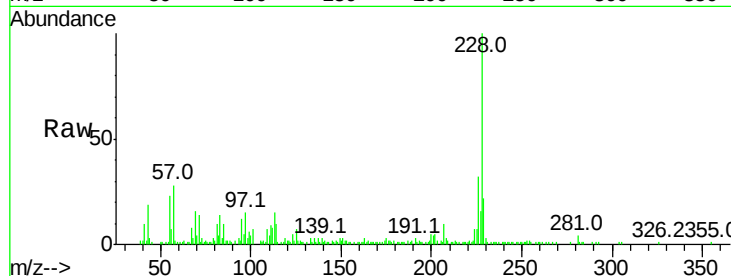
Tot Ion:228 Resp: 50272

Ion Ratio Lower Upper

228 100

226 32.0 25.4 38.0

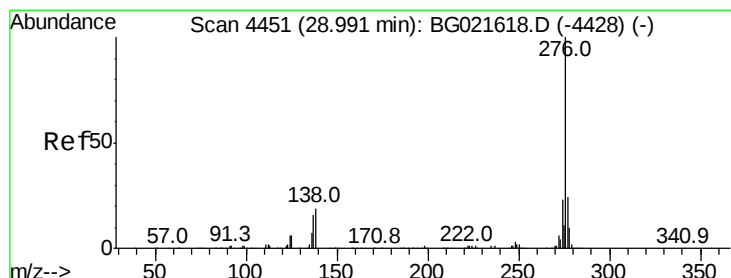
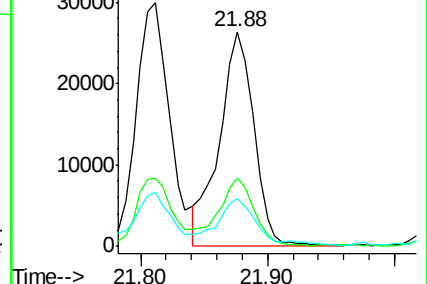
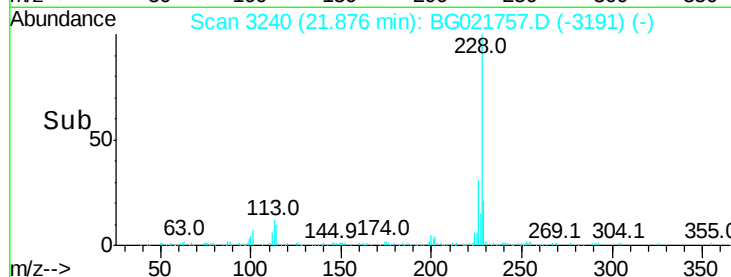
229 22.0 15.9 23.9



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.27 ng m

RT: 28.97 min Scan# 4447

Delta R.T. -0.02 min

Lab File: BG021757.D

Acq: 19 Apr 2016 6:16

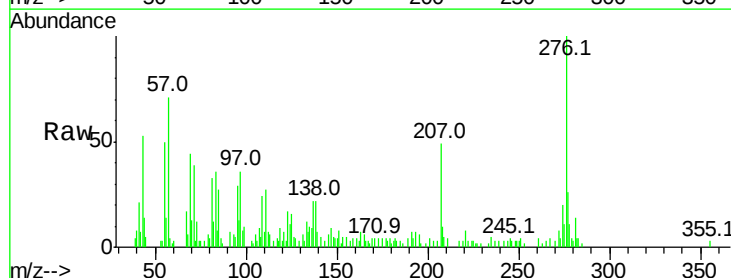
Tgt Ion:276 Resp: 35193

Ion Ratio Lower Upper

276 100

138 12.2 14.0 21.0#

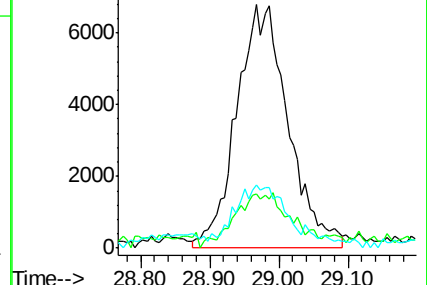
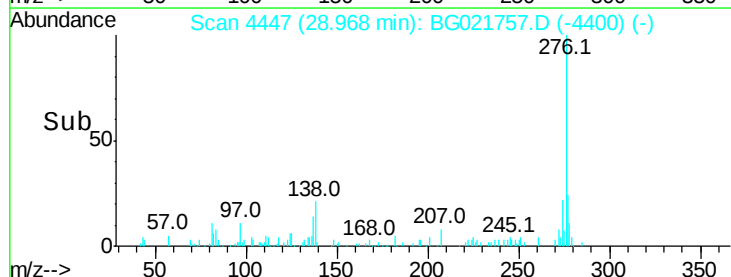
277 20.1 20.6 30.8#

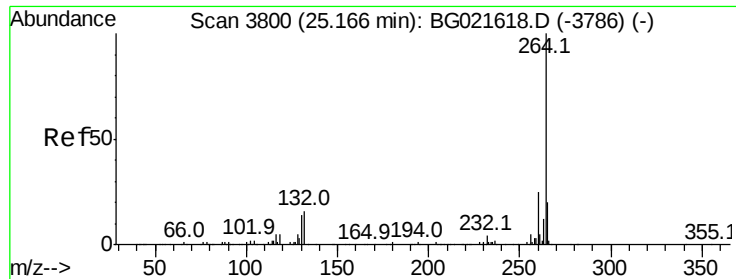


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

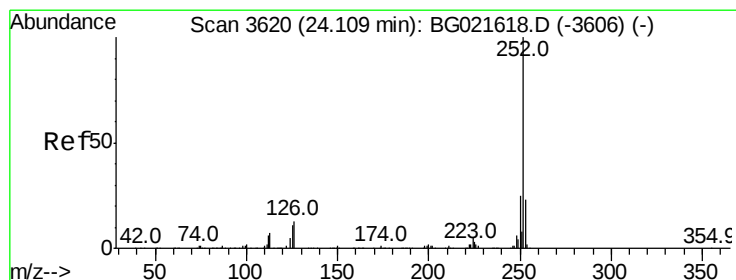
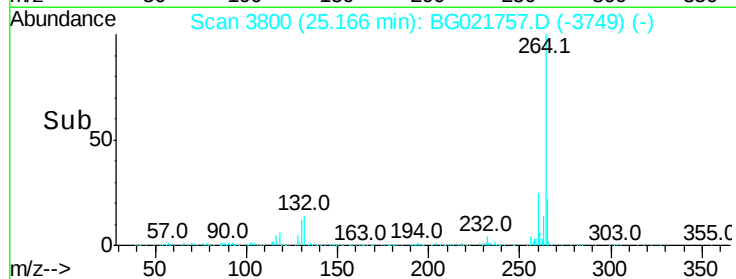
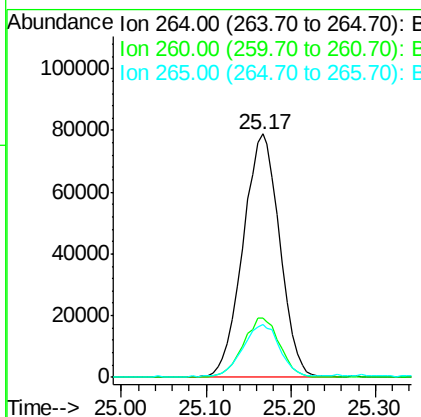
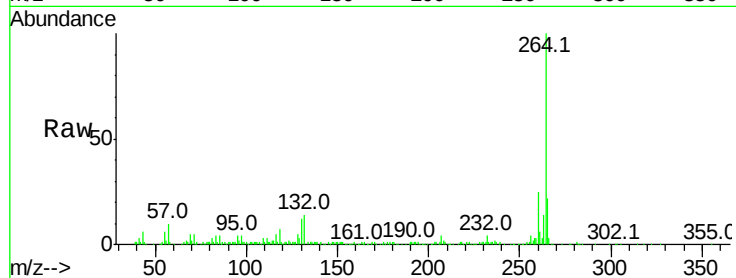




#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 25.17 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: BG021757.D
 Acq: 19 Apr 2016 6:16

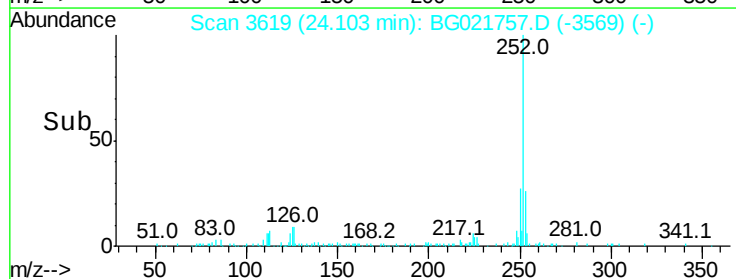
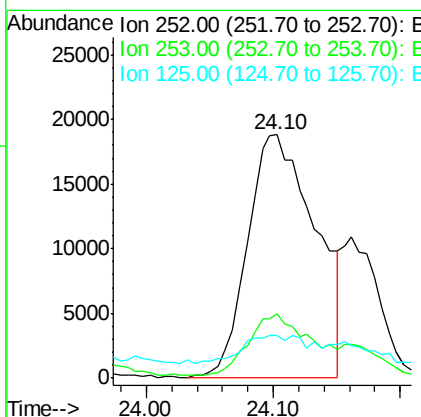
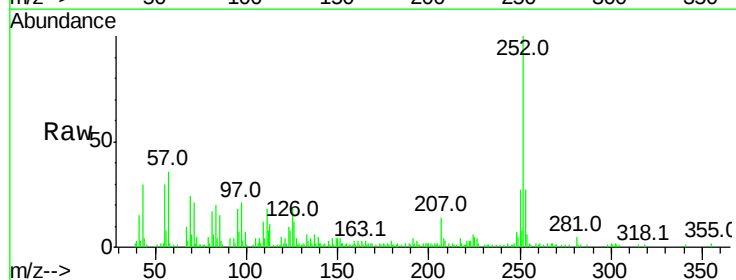
Instrument :
 BNA_G
 ClientSampleId :
 POST-EX-21-20160412

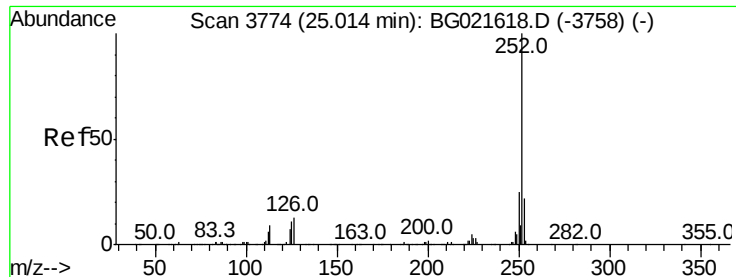
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.6	20.2	30.4
265	21.9	17.8	26.8



#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

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





#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

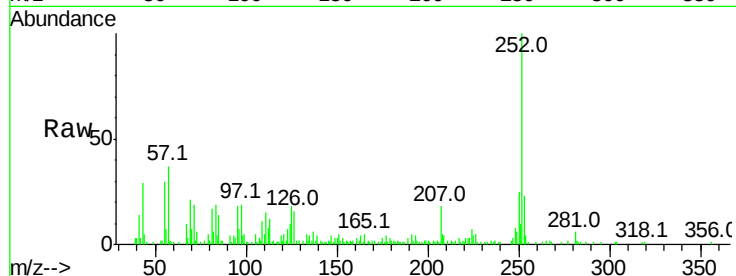
Tot Ion:252 Resp: 51076

Ion Ratio Lower Upper

252 100

253 22.5 17.1 25.7

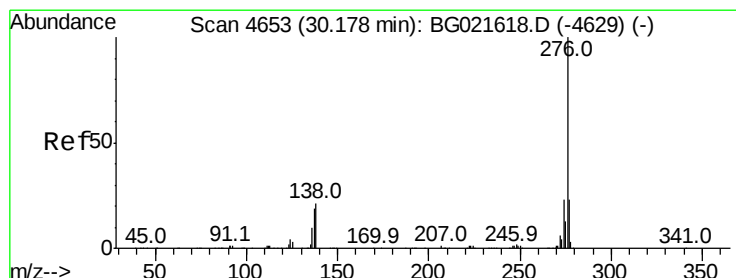
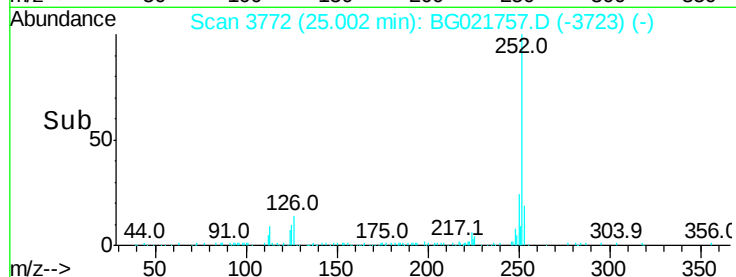
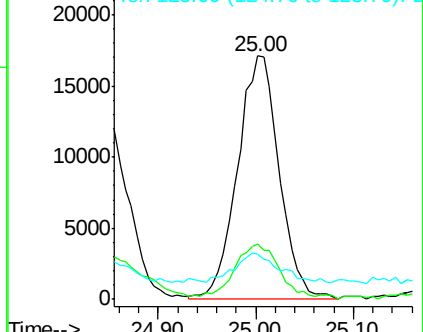
125 18.4 9.6 14.4#



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



#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

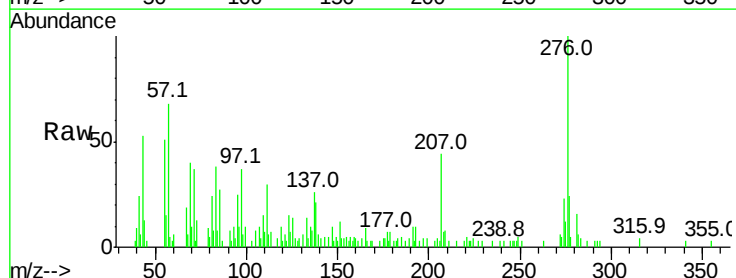
Tgt Ion:276 Resp: 31937

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

