

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG041916\
 Data File : BG021746.D
 Acq On : 18 Apr 2016 22:57
 Operator : UM/SJ
 Sample : H2537-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 POST-EX-24-20160412

Quant Time: Apr 19 03:39:11 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

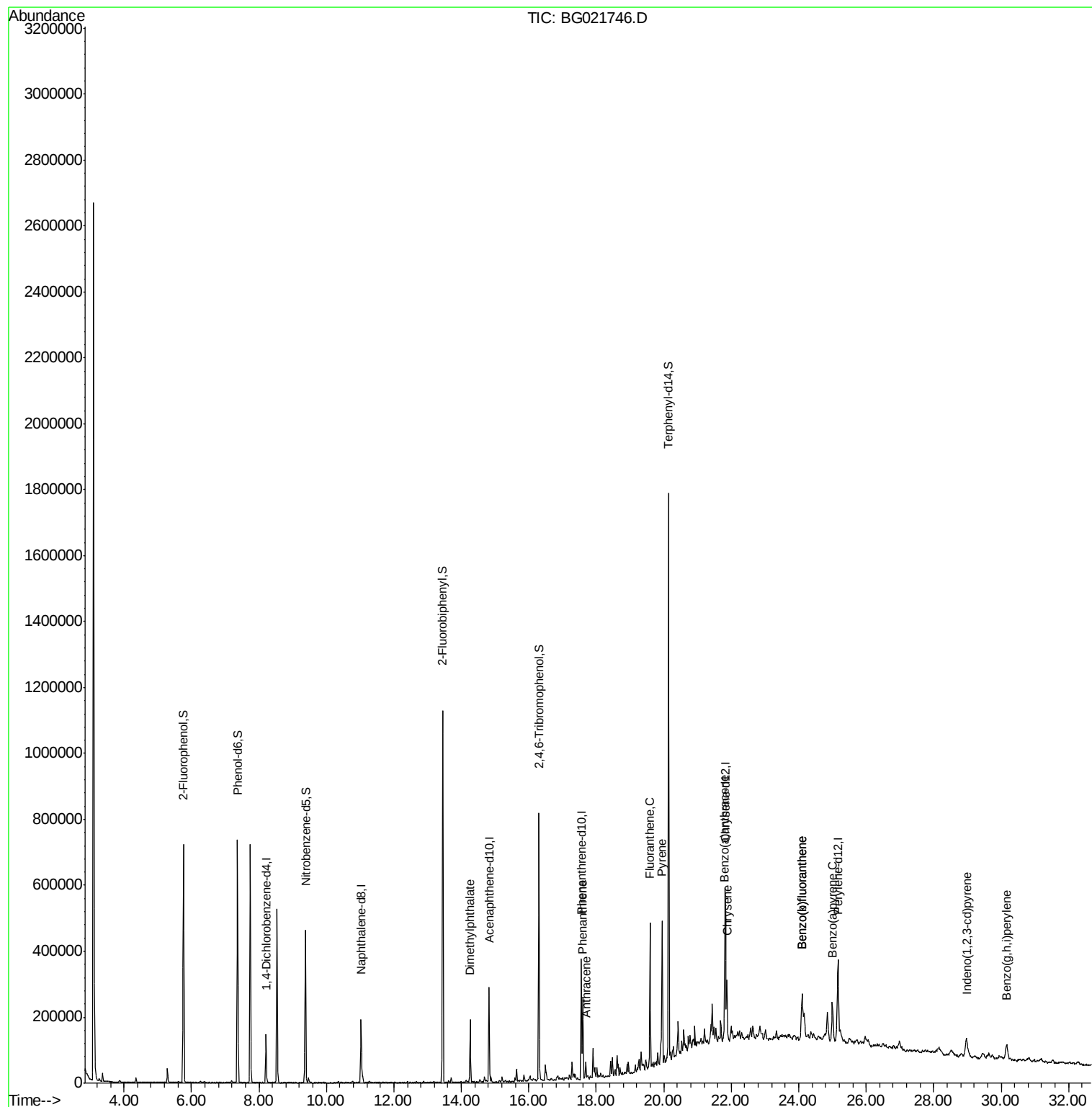
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.21	152	40295	20.00	ng	-0.01
21) Naphthalene-d8	11.03	136	175204	20.00	ng	-0.01
38) Acenaphthene-d10	14.82	164	98142	20.00	ng	0.00
63) Phenanthrene-d10	17.55	188	221487	20.00	ng	-0.01
75) Chrysene-d12	21.83	240	253010	20.00	ng	0.00
86) Perylene-d12	25.16	264	251323	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.76	112	319806	132.17	ng	0.00
7) Phenol-d6	7.36	99	458776	126.93	ng	0.00
23) Nitrobenzene-d5	9.38	82	285994	83.90	ng	0.00
41) 2,4,6-Tribromophenol	16.30	330	149357	141.21	ng	0.00
44) 2-Fluorobiphenyl	13.45	172	582965	87.03	ng	-0.01
78) Terphenyl-d14	20.14	244	764115	75.36	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	14.26	163	130299	15.36	ng	99
70) Phenanthrene	17.60	178	156151	12.79	ng	99
71) Anthracene	17.69	178	31686	2.56	ng	98
74) Fluoranthene	19.59	202	273504	18.76	ng	100
77) Pyrene	19.95	202	263190	18.04	ng	98
80) Benzo(a)anthracene	21.81	228	142253	9.77	ng	99
82) Chrysene	21.88	228	134739	9.63	ng	98
85) Indeno(1,2,3-cd)pyrene	28.98	276	87742	5.28	ng	95
87) Benzo(b)fluoranthene	24.10	252	159336	10.93	ng	# 95
88) Benzo(k)fluoranthene	24.10	252	159336	11.17	ng	# 96
89) Benzo(a)pyrene	25.00	252	127203	9.00	ng	96
91) Benzo(g,h,i)perylene	30.17	276	89645	6.45	ng	98

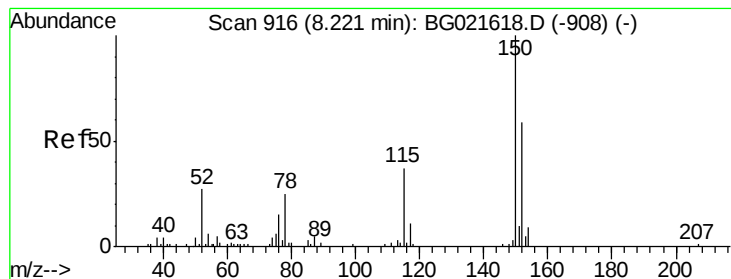
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

Lab File: BG021746.D

Acq: 18 Apr 2016 22:57

Instrument :

BNA_G

ClientSampleId :

POST-EX-24-20160412

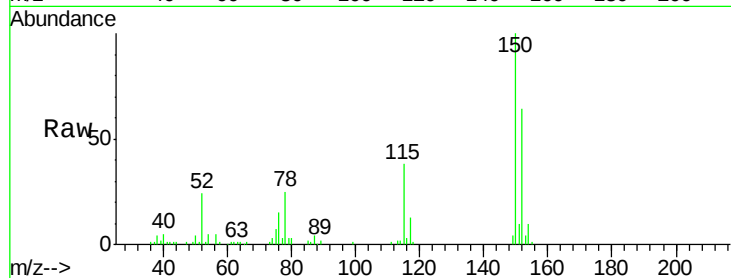
Tgt Ion:152 Resp: 40295

Ion Ratio Lower Upper

152 100

150 156.7 130.1 195.1

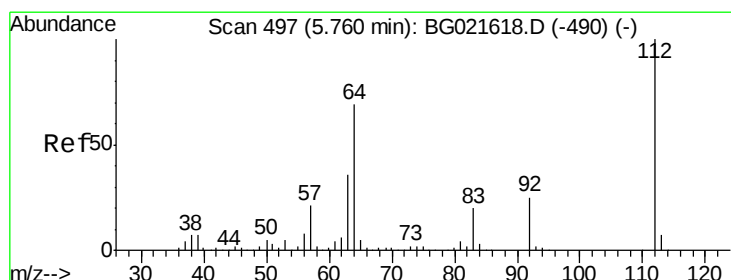
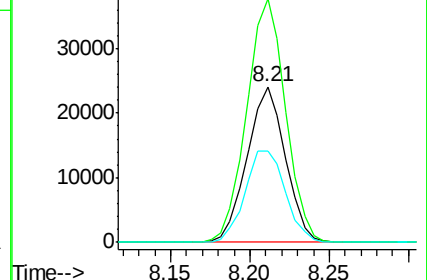
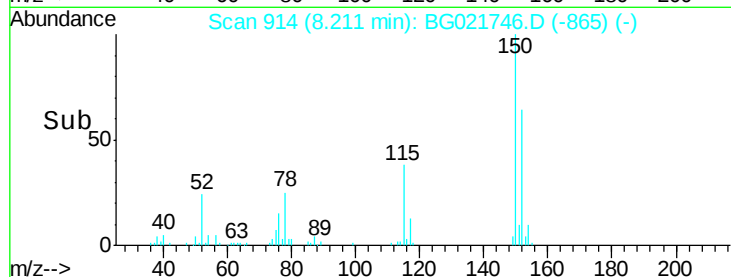
115 58.8 62.2 93.2#



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: 132.17 ng

RT: 5.76 min Scan# 497

Delta R.T. 0.00 min

Lab File: BG021746.D

Acq: 18 Apr 2016 22:57

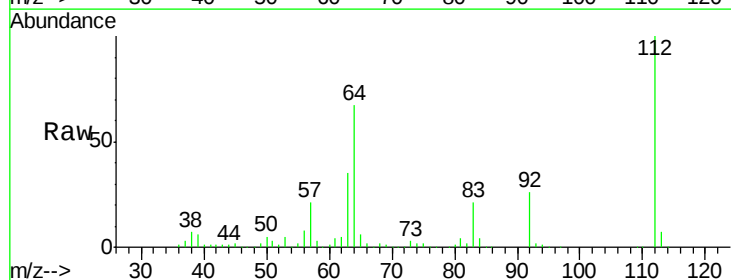
Tgt Ion:112 Resp: 319806

Ion Ratio Lower Upper

112 100

64 66.8 51.1 76.7

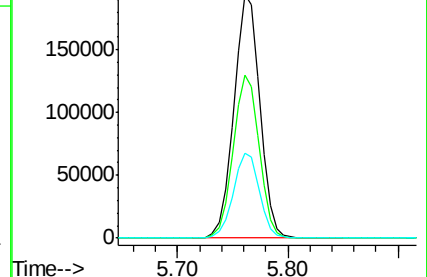
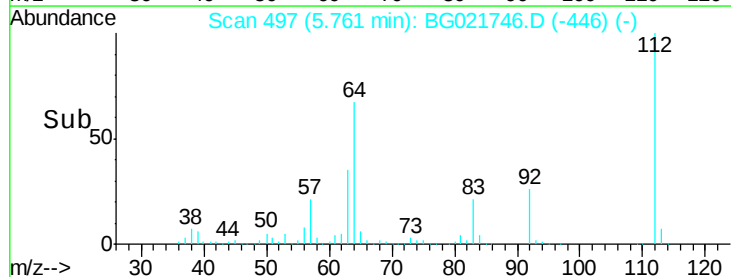
63 35.0 24.6 37.0

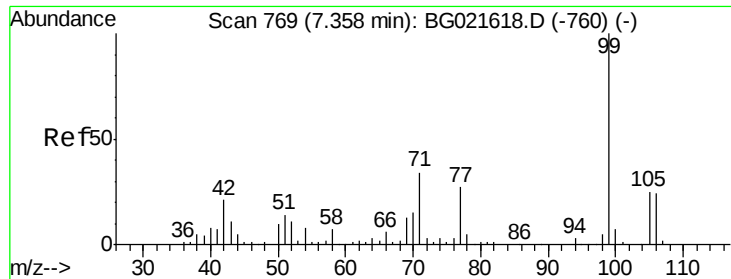


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 126.93 ng

RT: 7.36 min Scan# 770

Delta R.T. 0.01 min

Lab File: BG021746.D

Acq: 18 Apr 2016 22:57

Instrument :

BNA_G

ClientSampleId :

POST-EX-24-20160412

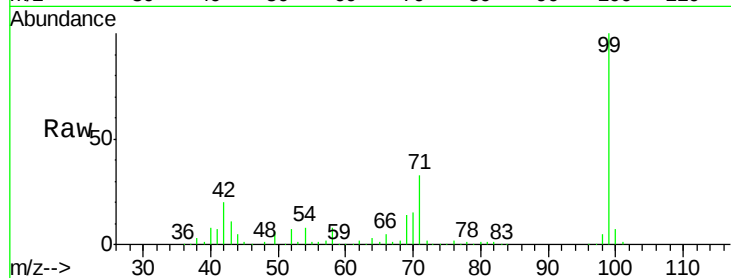
Tgt Ion: 99 Resp: 458776

Ion Ratio Lower Upper

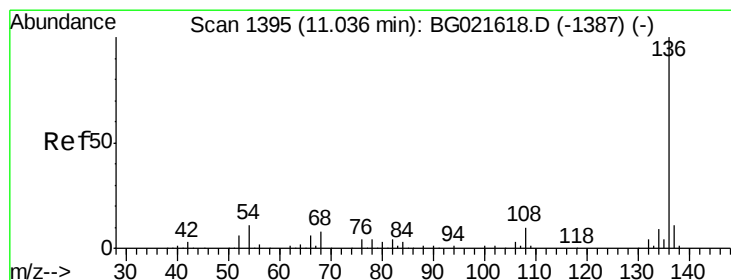
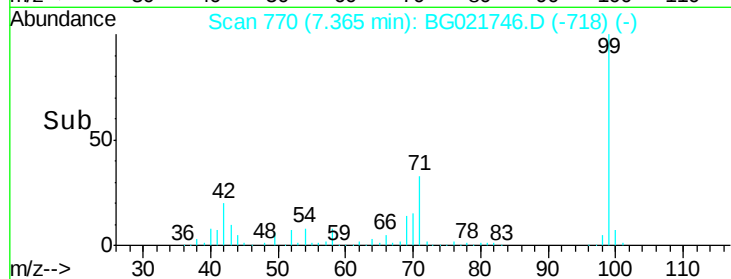
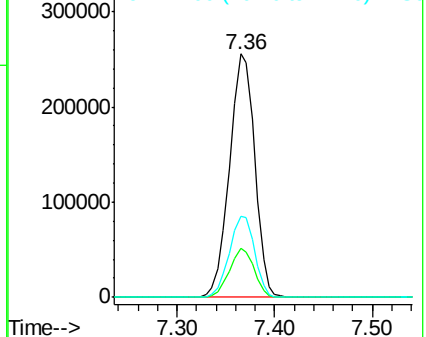
99 100

42 19.9 16.4 24.6

71 33.4 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# 1393

Delta R.T. -0.01 min

Lab File: BG021746.D

Acq: 18 Apr 2016 22:57

Tgt Ion: 136 Resp: 175204

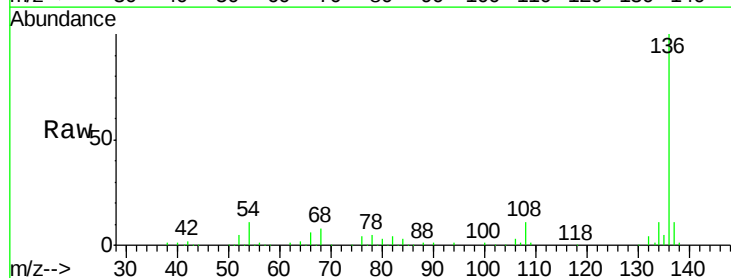
Ion Ratio Lower Upper

136 100

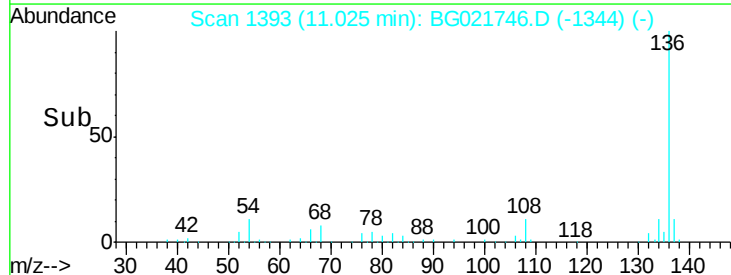
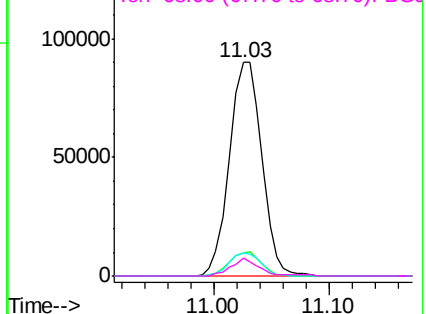
137 10.8 9.0 13.4

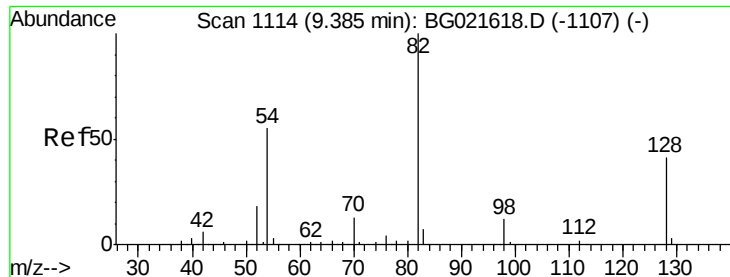
54 10.9 9.6 14.4

68 8.1 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

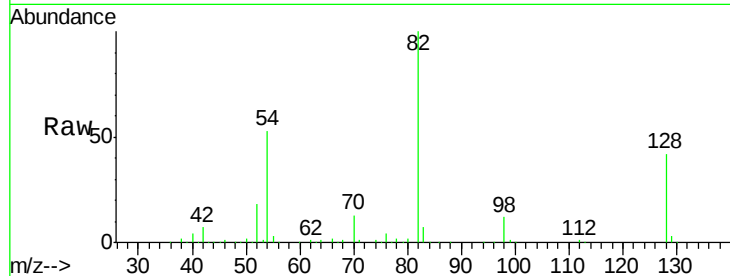




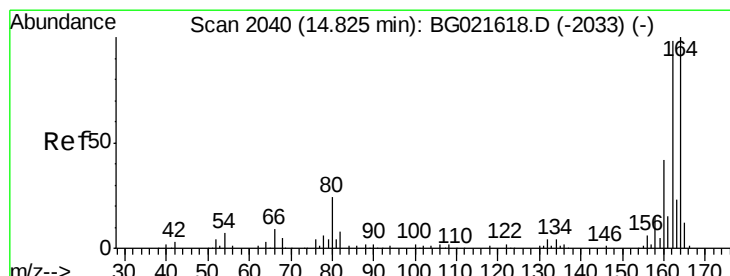
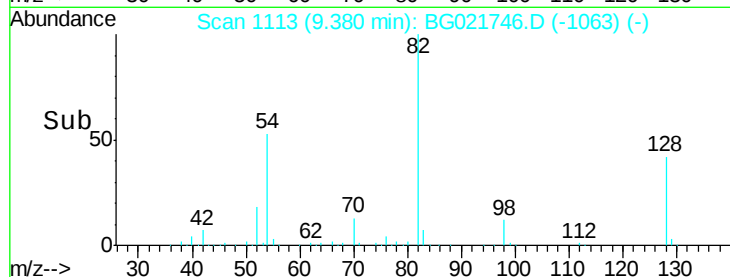
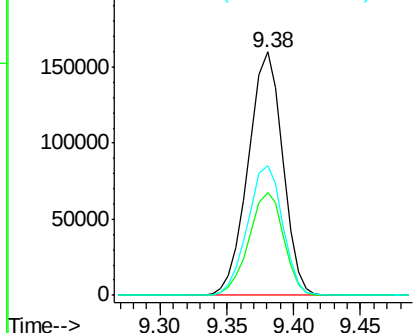
#23
 Nitrobenzene-d5
 Concen: 83.90 ng
 RT: 9.38 min Scan# 1113
 Delta R.T. -0.00 min
 Lab File: BG021746.D
 Acq: 18 Apr 2016 22:57

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 BNA_G
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Tgt Ion: 82 Resp: 285994
 Ion Ratio Lower Upper
 82 100
 128 42.2 33.4 50.0
 54 53.3 46.1 69.1

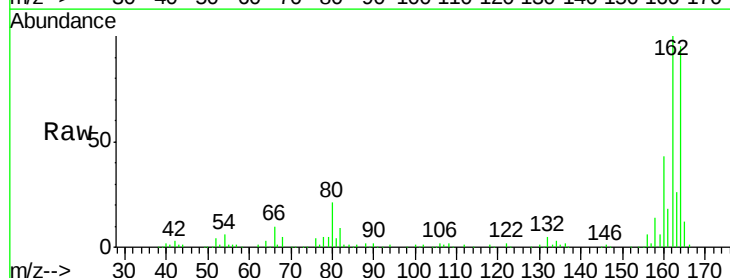


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

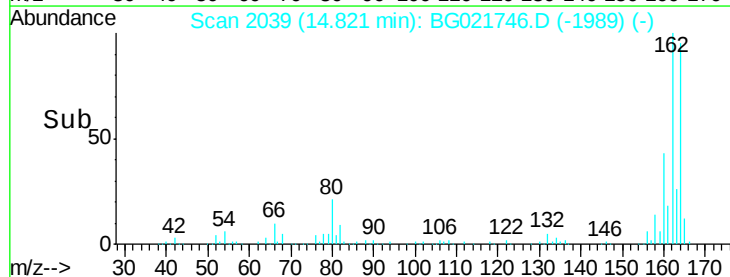
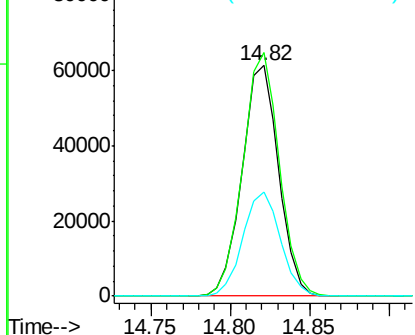


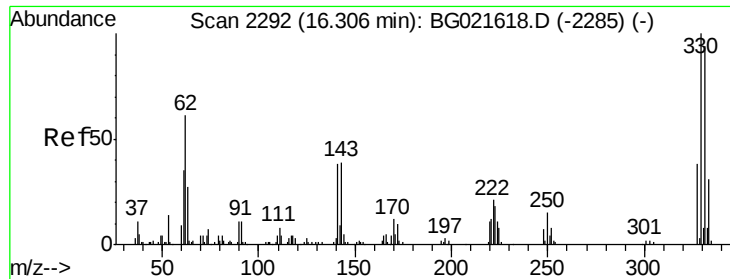
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.82 min Scan# 2039
 Delta R.T. -0.00 min
 Lab File: BG021746.D
 Acq: 18 Apr 2016 22:57

Tgt Ion: 164 Resp: 98142
 Ion Ratio Lower Upper
 164 100
 162 105.5 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

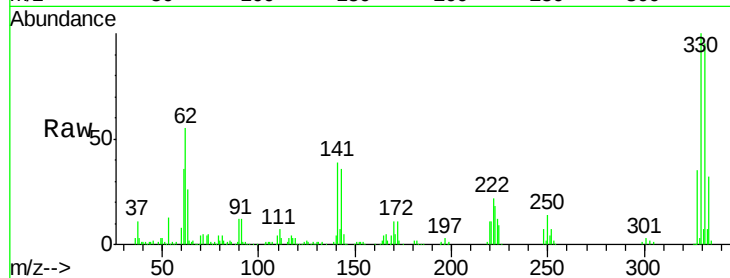




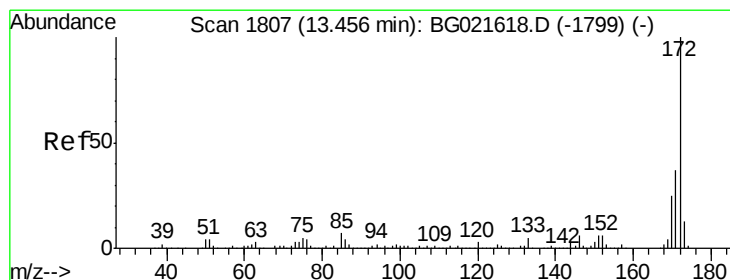
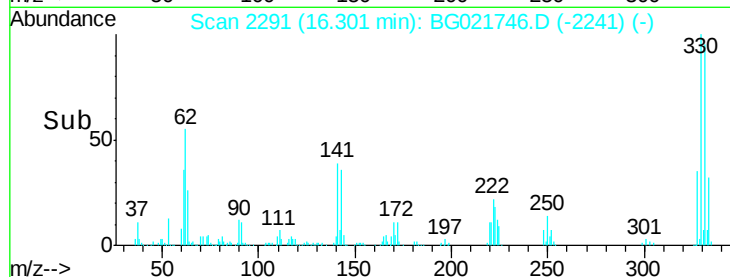
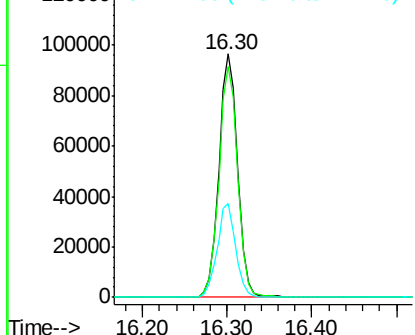
#41
 2,4,6-Tribromophenol
 Concen: 141.21 ng
 RT: 16.30 min Scan# 2291
 Delta R.T. -0.00 min
 Lab File: BG021746.D
 Acq: 18 Apr 2016 22:57

Instrument :
 BNA_G
 ClientSampleId :
 POST-EX-24-20160412

Tgt Ion:330 Resp: 149357
 Ion Ratio Lower Upper
 330 100
 332 95.1 78.0 117.0
 141 38.4 33.8 50.8

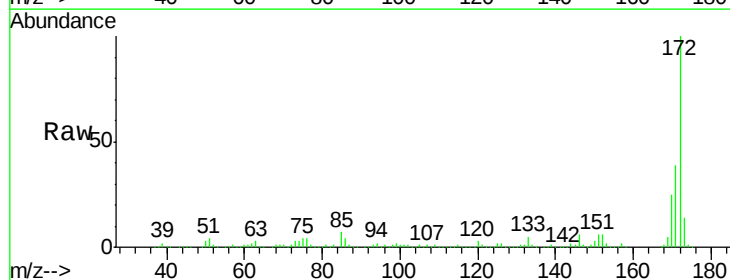


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

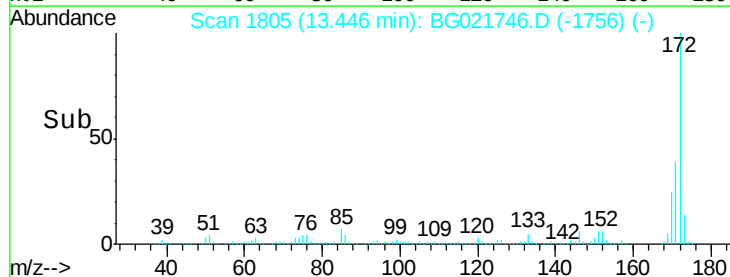
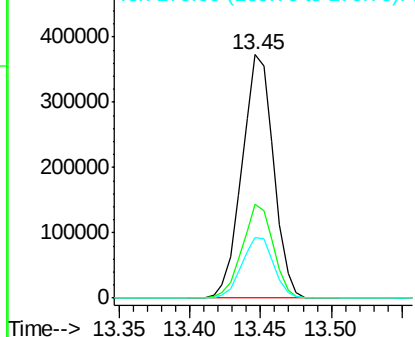


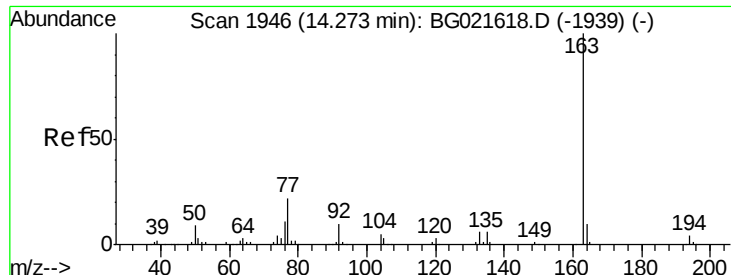
#44
 2-Fluorobiphenyl
 Concen: 87.03 ng
 RT: 13.45 min Scan# 1805
 Delta R.T. -0.01 min
 Lab File: BG021746.D
 Acq: 18 Apr 2016 22:57

Tgt Ion:172 Resp: 582965
 Ion Ratio Lower Upper
 172 100
 171 38.5 27.8 41.6
 170 25.1 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: 15.36 ng

RT: 14.26 min Scan# 1944

Delta R.T. -0.01 min

Lab File: BG021746.D

Acq: 18 Apr 2016 22:57

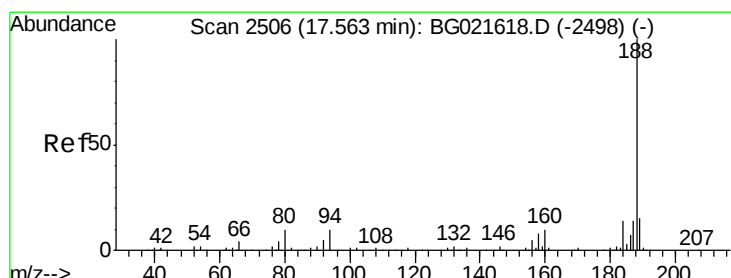
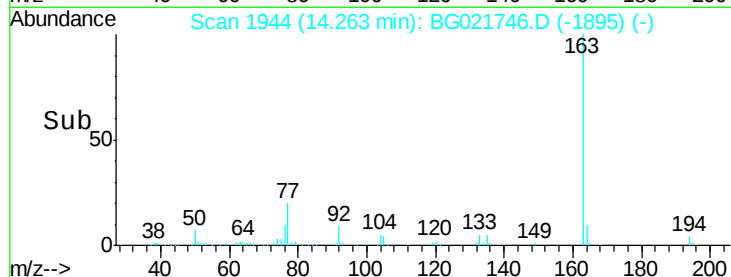
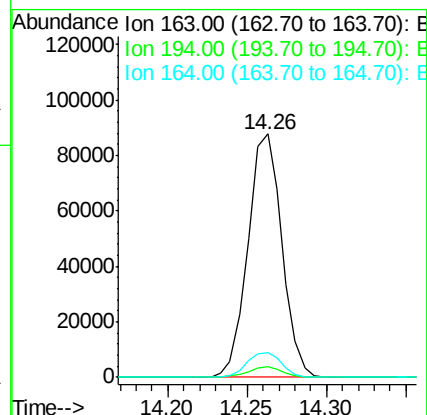
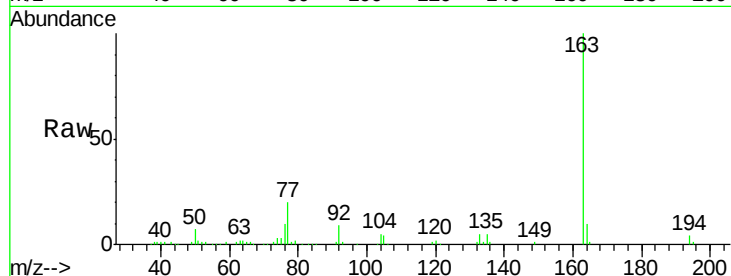
Instrument :

BNA_G

ClientSampleId :

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Tgt Ion:	163	Resp:	130299
Ion Ratio	Lower	Upper	
163	100		
194	4.2	3.0	4.6
164	10.0	8.1	12.1



#63

Phenanthrene-d10

Concen: 20.00 ng

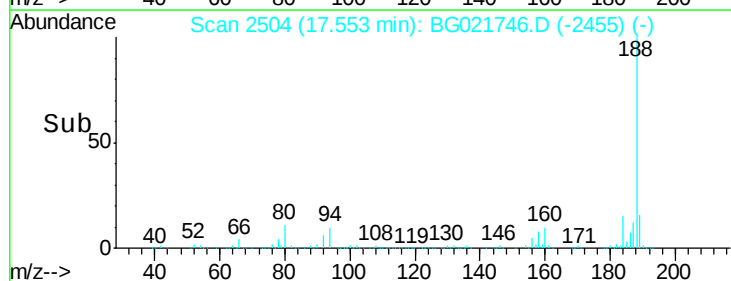
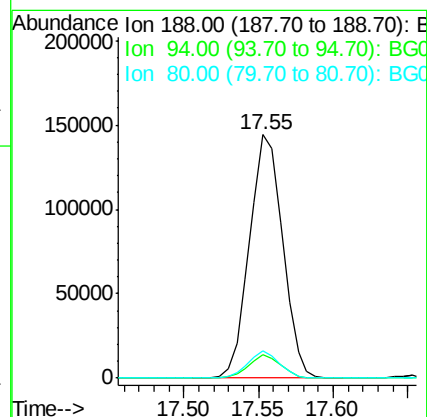
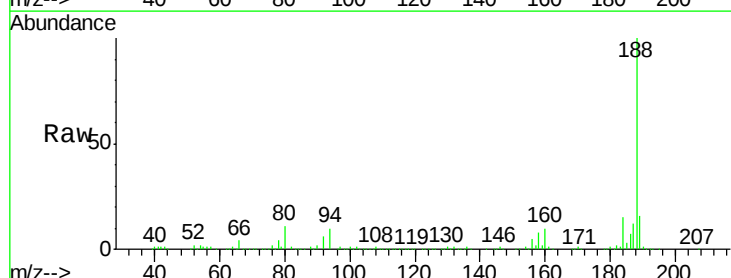
RT: 17.55 min Scan# 2504

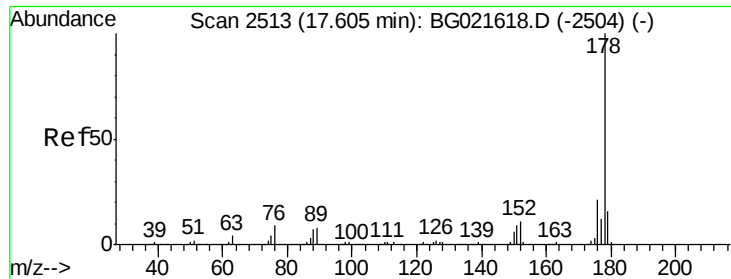
Delta R.T. -0.01 min

Lab File: BG021746.D

Acq: 18 Apr 2016 22:57

Tgt Ion:	188	Resp:	221487
Ion Ratio	Lower	Upper	
188	100		
94	9.7	7.5	11.3
80	11.1	8.6	13.0

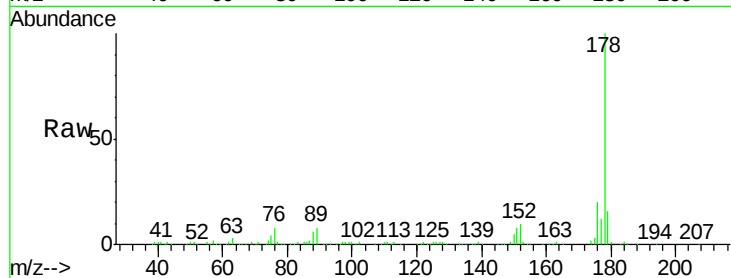




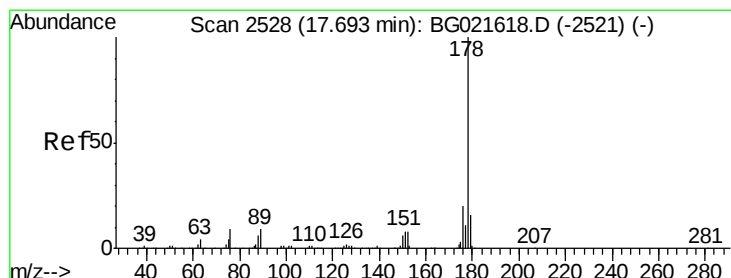
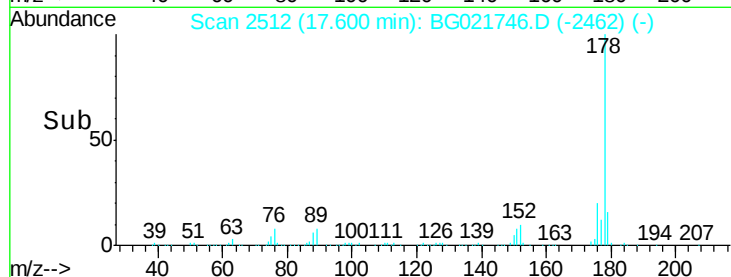
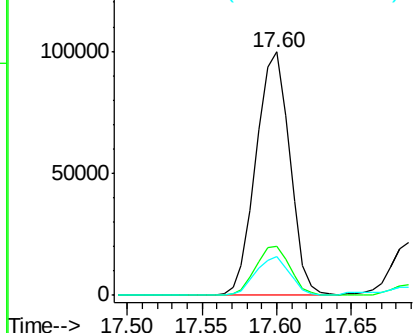
#70
Phenanthrene
Concen: 12.79 ng
RT: 17.60 min Scan# 2512
Delta R.T. -0.00 min
Lab File: BG021746.D
Acq: 18 Apr 2016 22:57

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BNA_G
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Tgt Ion:178 Resp: 156151
Ion Ratio Lower Upper
178 100
176 19.9 16.2 24.4
179 15.7 12.0 18.0

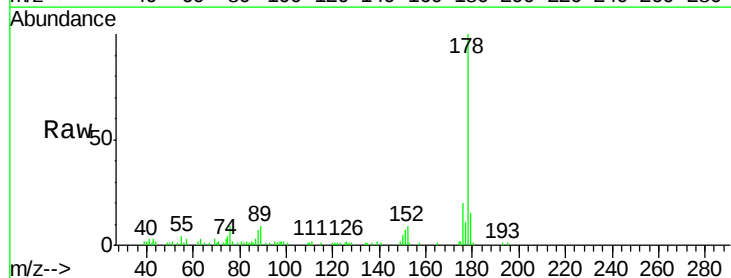


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

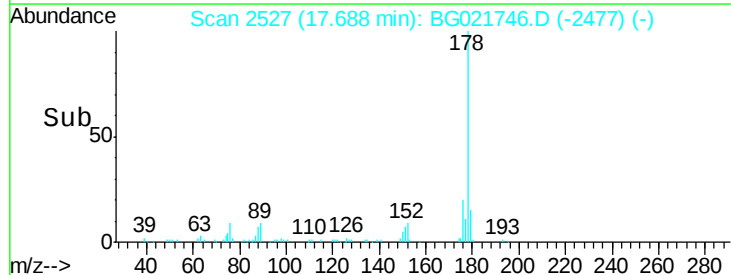
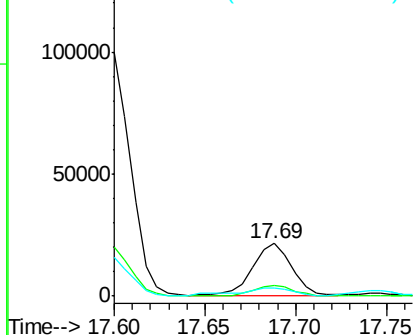


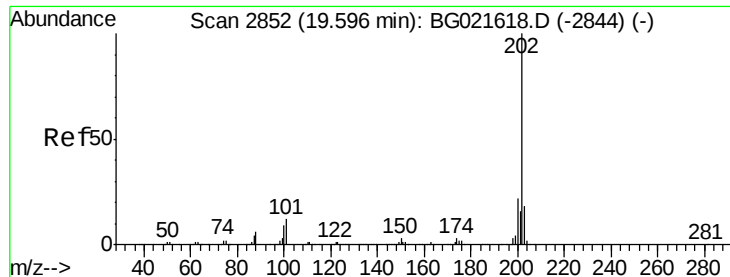
#71
Anthracene
Concen: 2.56 ng
RT: 17.69 min Scan# 2527
Delta R.T. -0.00 min
Lab File: BG021746.D
Acq: 18 Apr 2016 22:57

Tgt Ion:178 Resp: 31686
Ion Ratio Lower Upper
178 100
176 20.1 15.0 22.4
179 15.2 12.2 18.4



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: 18.76 ng

RT: 19.59 min Scan# 2851

Delta R.T. -0.00 min

Lab File: BG021746.D

Acq: 18 Apr 2016 22:57

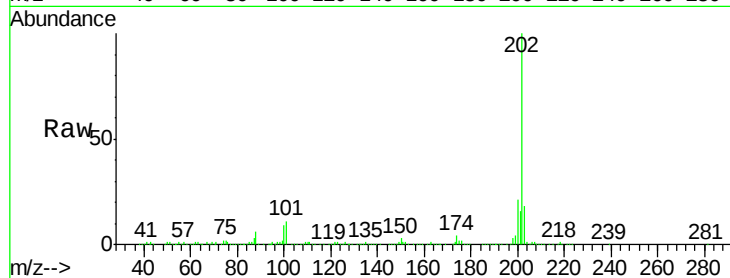
Instrument :

BNA_G

ClientSampleId :

POST-EX-24-20160412

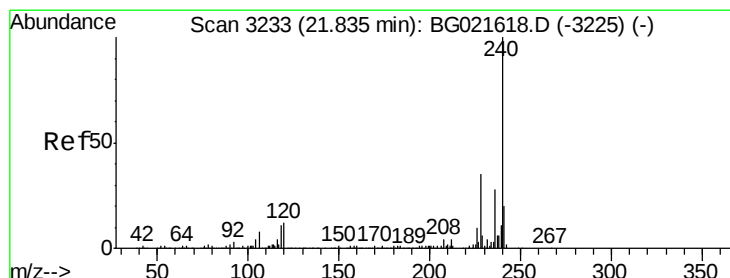
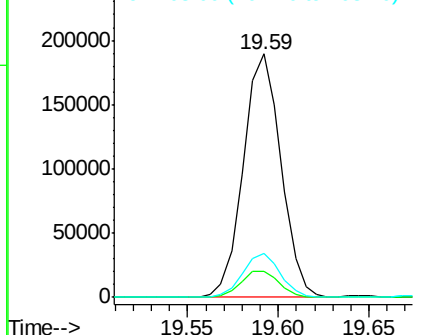
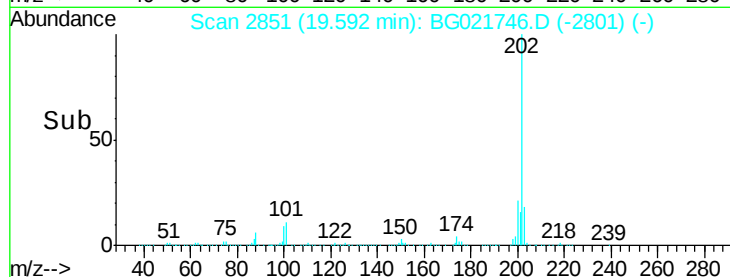
Tgt Ion:	202	Resp:	273504
Ion	Ratio	Lower	Upper
202	100		
101	10.8	0.0	31.0
203	17.9	0.0	37.9



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

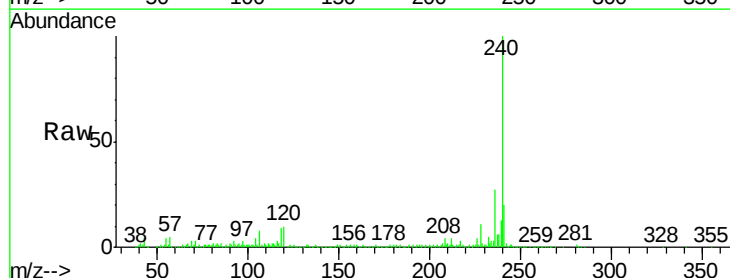
RT: 21.83 min Scan# 3232

Delta R.T. -0.00 min

Lab File: BG021746.D

Acq: 18 Apr 2016 22:57

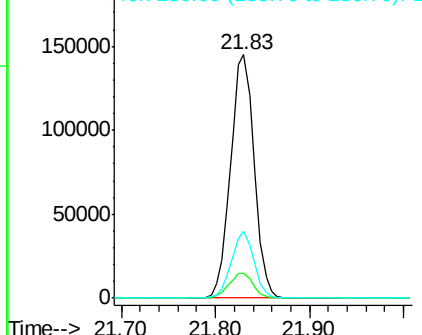
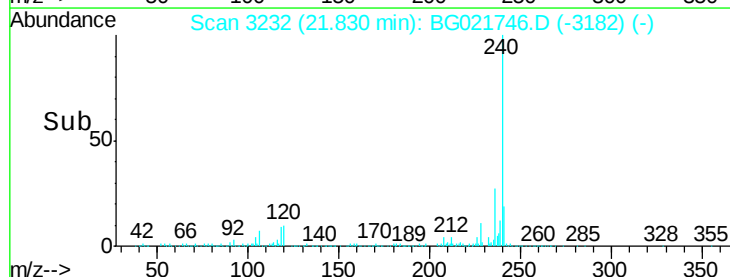
Tgt Ion:	240	Resp:	253010
Ion	Ratio	Lower	Upper
240	100		
120	10.1	8.4	12.6
236	27.5	19.6	29.4

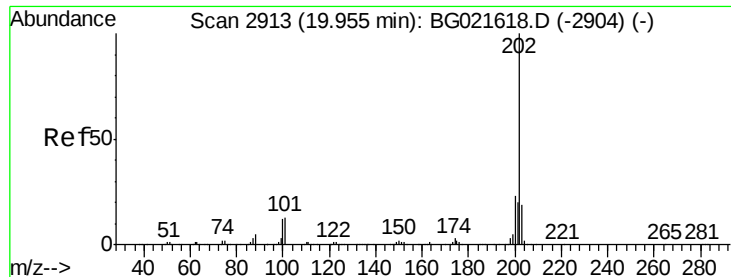


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

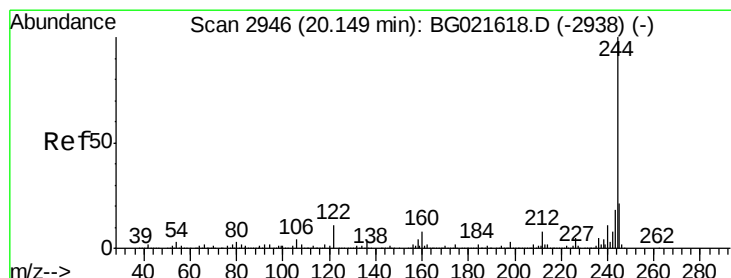
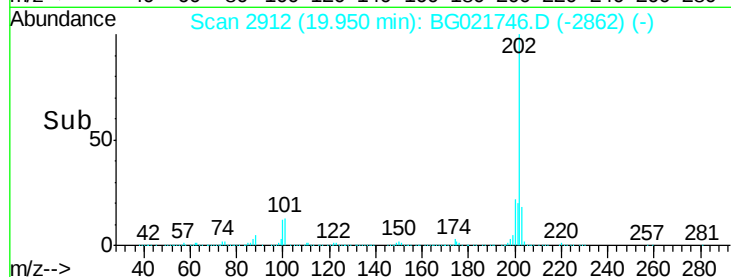
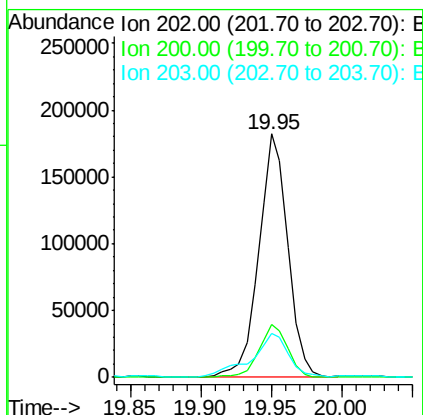
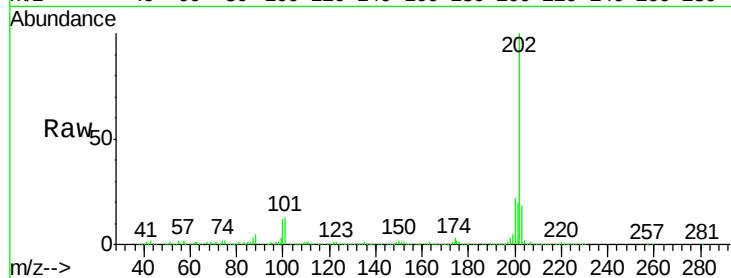




#77
 Pyrene
 Concen: 18.04 ng
 RT: 19.95 min Scan# 2912
 Delta R.T. -0.00 min
 Lab File: BG021746.D
 Acq: 18 Apr 2016 22:57

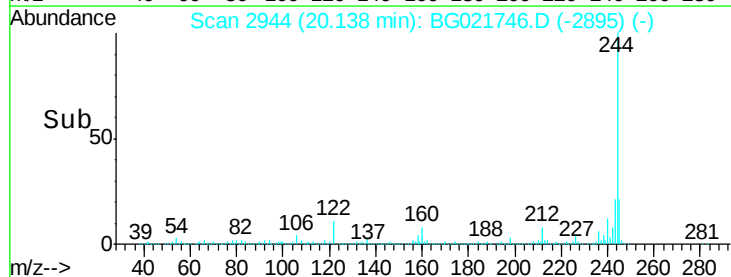
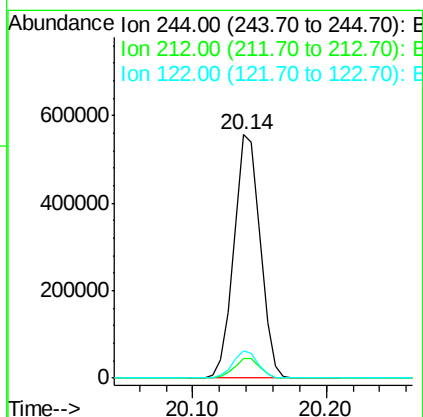
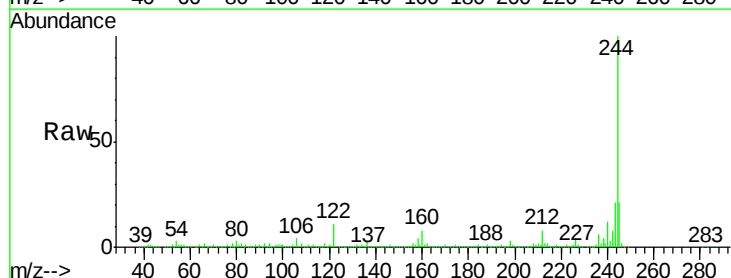
Instrument :
 BNA_G
 ClientSampleId :
 POST-EX-24-20160412

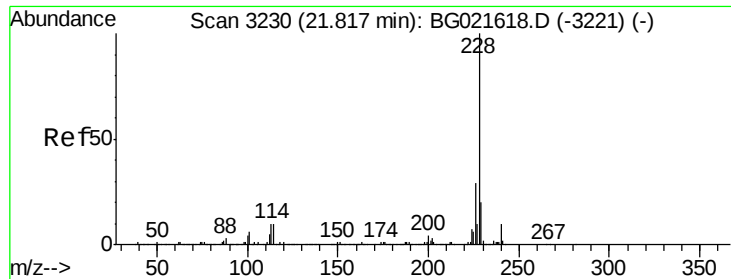
Tgt Ion:	202	Resp:	263190
Ion	Ratio	Lower	Upper
202	100		
200	21.9	18.2	27.2
203	18.0	15.0	22.4



#78
 Terphenyl-d14
 Concen: 75.36 ng
 RT: 20.14 min Scan# 2944
 Delta R.T. -0.01 min
 Lab File: BG021746.D
 Acq: 18 Apr 2016 22:57

Tgt Ion:	244	Resp:	764115
Ion	Ratio	Lower	Upper
244	100		
212	8.0	6.5	9.7
122	11.0	8.6	12.8





#80

Benzo(a)anthracene

Concen: 9.77 ng

RT: 21.81 min Scan# 3228

Delta R.T. -0.01 min

Lab File: BG021746.D

Acq: 18 Apr 2016 22:57

Instrument :

BNA_G

ClientSampleId :

POST-EX-24-20160412

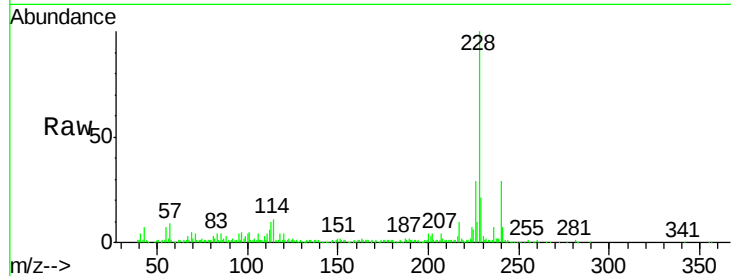
Tgt Ion:228 Resp: 142253

Ion Ratio Lower Upper

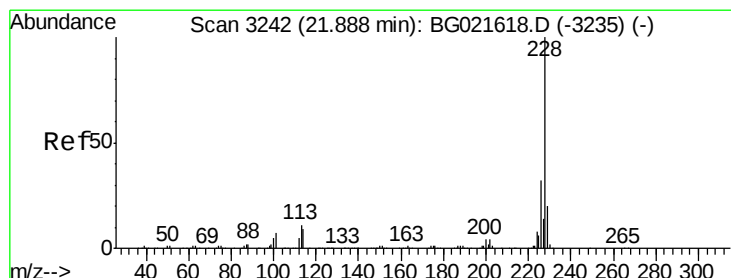
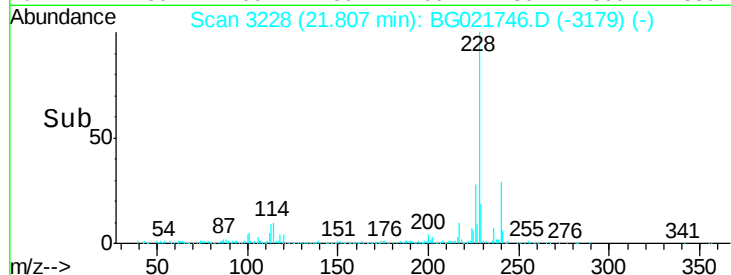
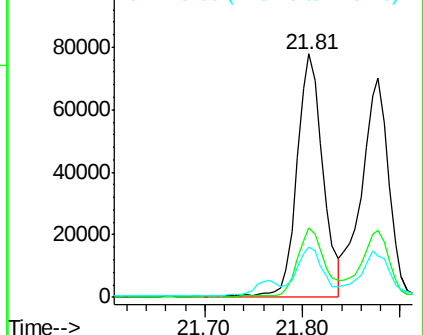
228 100

226 28.6 22.6 34.0

229 20.7 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: 9.63 ng

RT: 21.88 min Scan# 3240

Delta R.T. -0.01 min

Lab File: BG021746.D

Acq: 18 Apr 2016 22:57

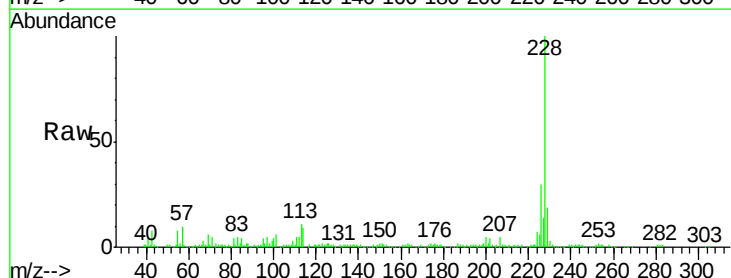
Tgt Ion:228 Resp: 134739

Ion Ratio Lower Upper

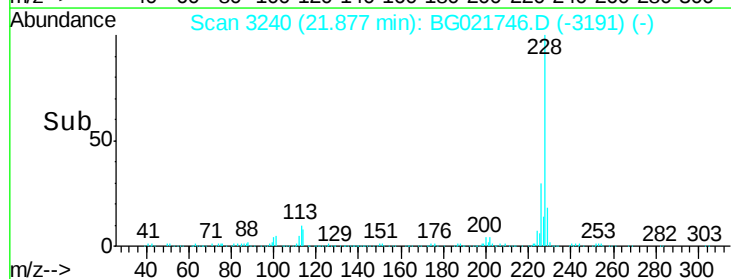
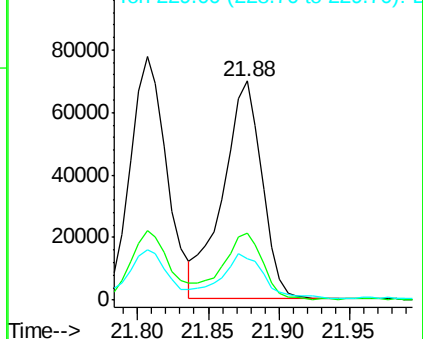
228 100

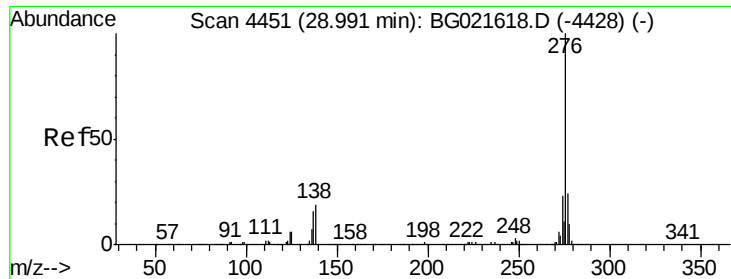
226 30.3 25.4 38.0

229 19.1 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: 5.28 ng

RT: 28.98 min Scan# 4449

Delta R.T. -0.01 min

Lab File: BG021746.D

Acq: 18 Apr 2016 22:57

Instrument :

BNA_G

ClientSampleId :

POST-EX-24-20160412

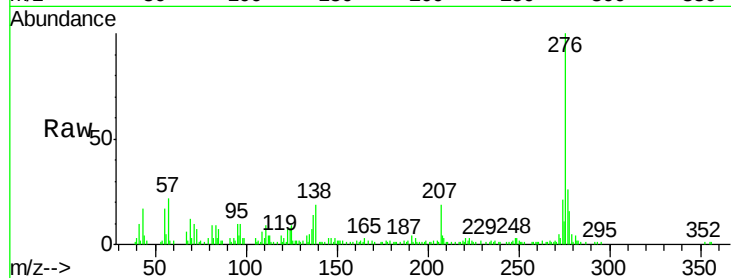
Tgt Ion: 276 Resp: 87742

Ion Ratio Lower Upper

276 100

138 20.1 14.0 21.0

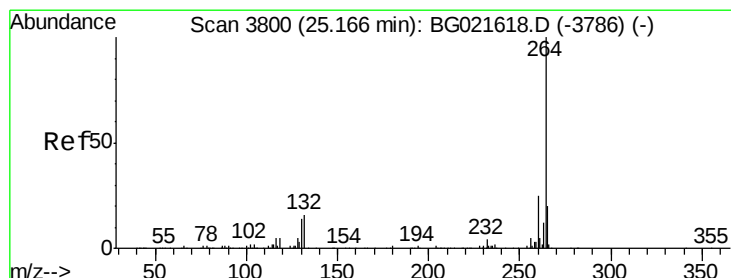
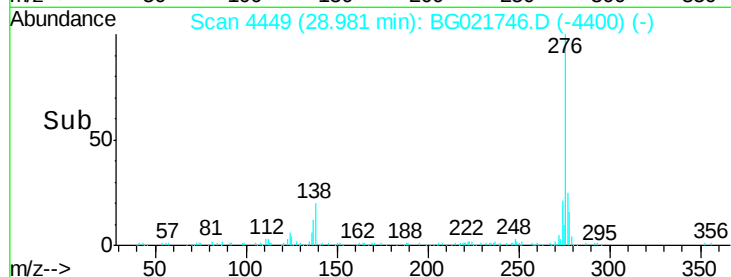
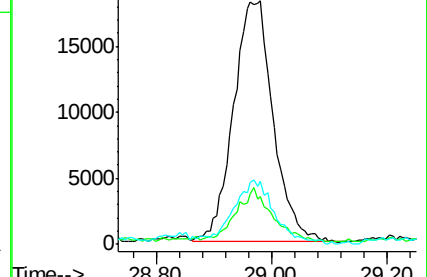
277 23.3 20.6 30.8



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

Perylene-d12

Concen: 20.00 ng

RT: 25.16 min Scan# 3799

Delta R.T. -0.00 min

Lab File: BG021746.D

Acq: 18 Apr 2016 22:57

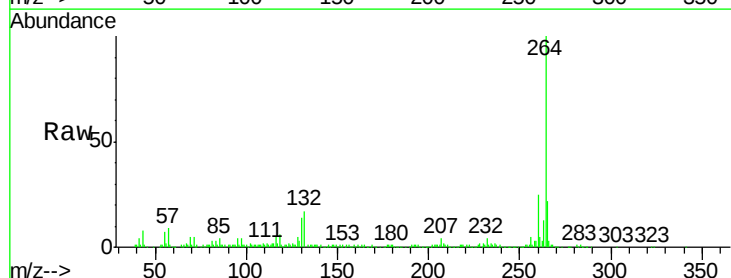
Tgt Ion: 264 Resp: 251323

Ion Ratio Lower Upper

264 100

260 24.8 20.2 30.4

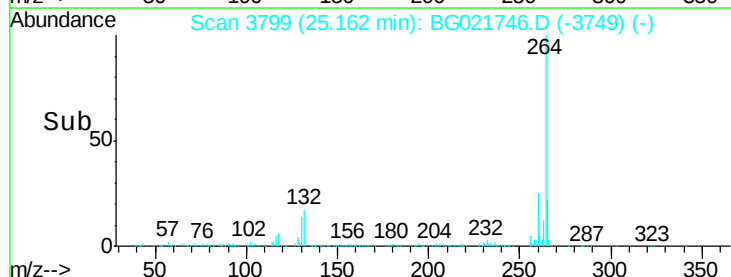
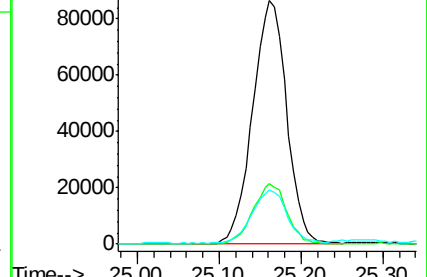
265 22.2 17.8 26.8

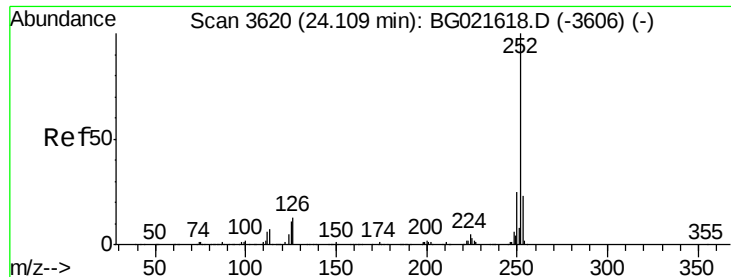


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 10.93 ng

RT: 24.10 min Scan# 3618

Delta R.T. -0.01 min

Lab File: BG021746.D

Acq: 18 Apr 2016 22:57

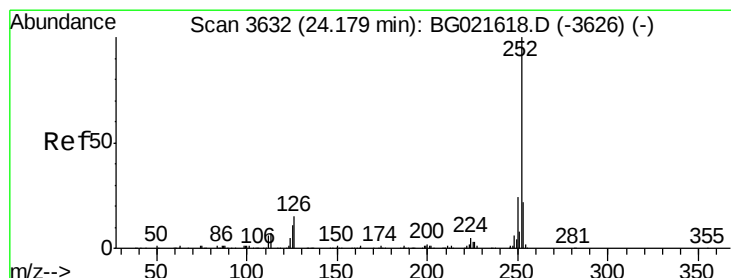
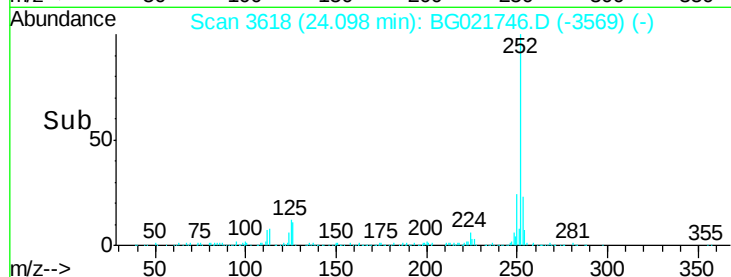
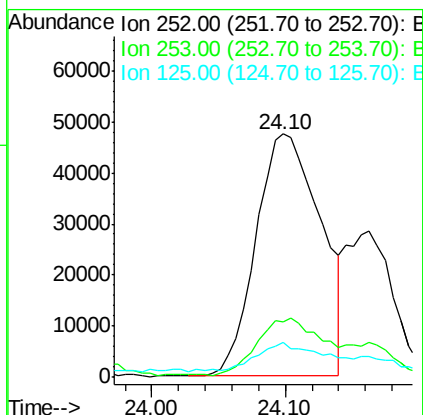
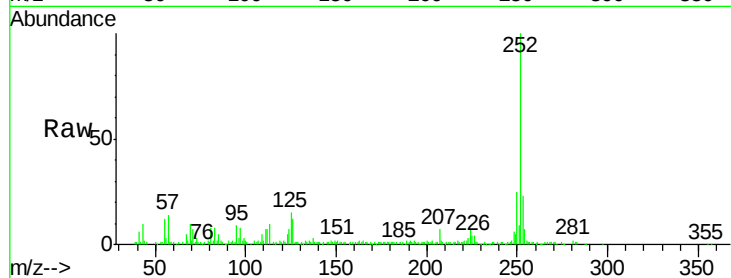
Instrument :

BNA_G

ClientSampleId :

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Tgt Ion:	252	Resp:	159336
Ion Ratio	Lower	Upper	
252	100		
253	22.8	17.5	26.3
125	14.6	8.6	13.0#



#88

Benzo(k)fluoranthene

Concen: 11.17 ng

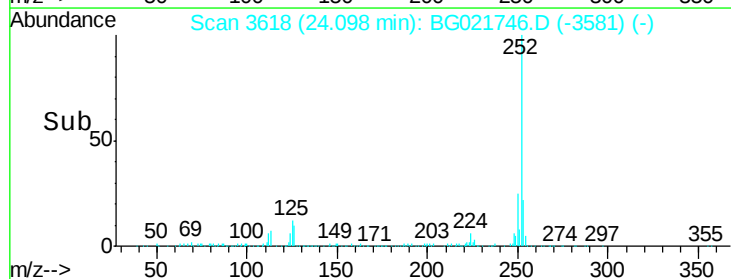
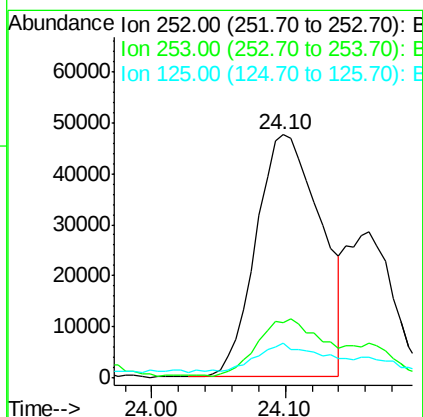
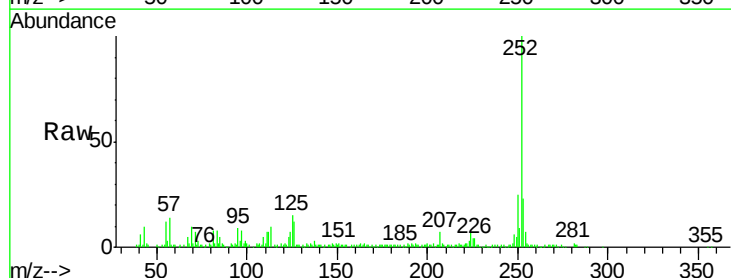
RT: 24.10 min Scan# 3618

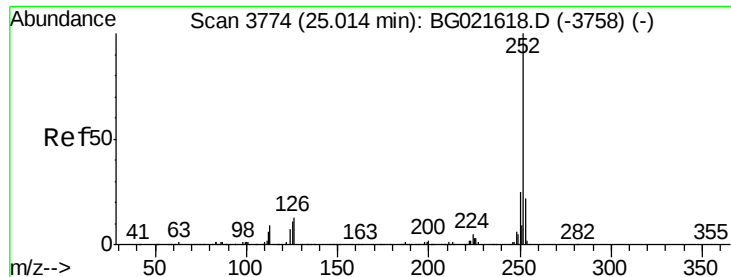
Delta R.T. -0.08 min

Lab File: BG021746.D

Acq: 18 Apr 2016 22:57

Tgt Ion:	252	Resp:	159336
Ion Ratio	Lower	Upper	
252	100		
253	22.8	17.8	26.8
125	14.6	8.3	12.5#

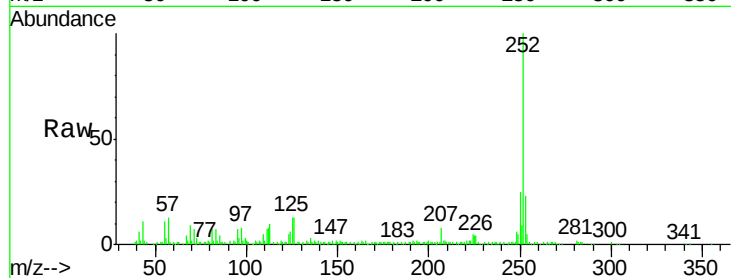




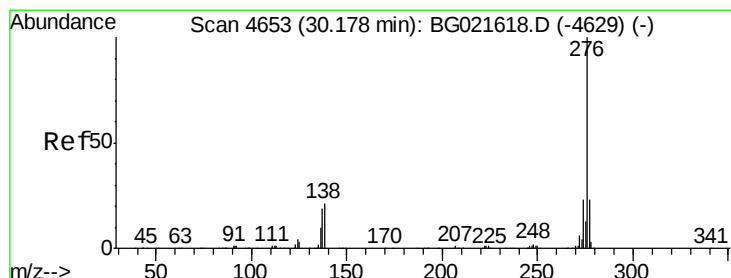
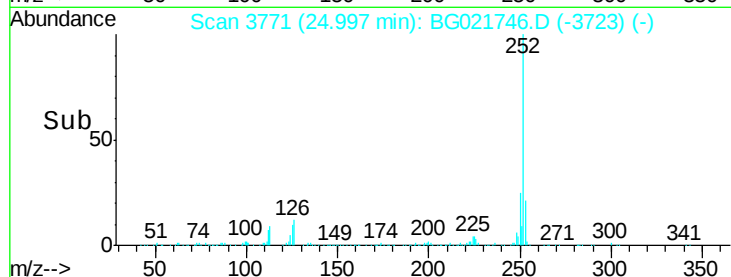
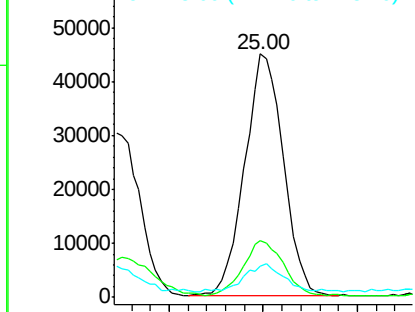
#89
Benzo(a)pyrene
Concen: 9.00 ng
RT: 25.00 min Scan# 3771
Delta R.T. -0.02 min
Lab File: BG021746.D
Acq: 18 Apr 2016 22:57

Instrument :
BNA_G
ClientSampleId :
POST-EX-24-20160412

Tgt Ion: 252 Resp: 127203
Ion Ratio Lower Upper
252 100
253 23.4 17.1 25.7
125 13.0 9.6 14.4

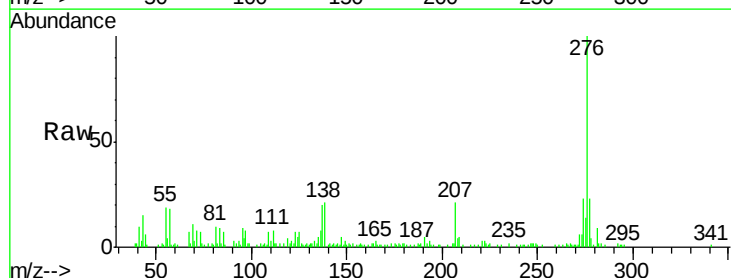


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 6.45 ng
RT: 30.17 min Scan# 4651
Delta R.T. -0.01 min
Lab File: BG021746.D
Acq: 18 Apr 2016 22:57

Tgt Ion: 276 Resp: 89645
Ion Ratio Lower Upper
276 100
277 23.1 19.4 29.2
138 20.6 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

