

Data Path : Z:\HPCHEM1\BNA G\DATA\BG041916\
 Data File : BG021746.D
 Acq On : 18 Apr 2016 22:57
 Operator : UM/SJ
 Sample : H2544-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

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

Quant Time: Apr 19 04:21:08 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

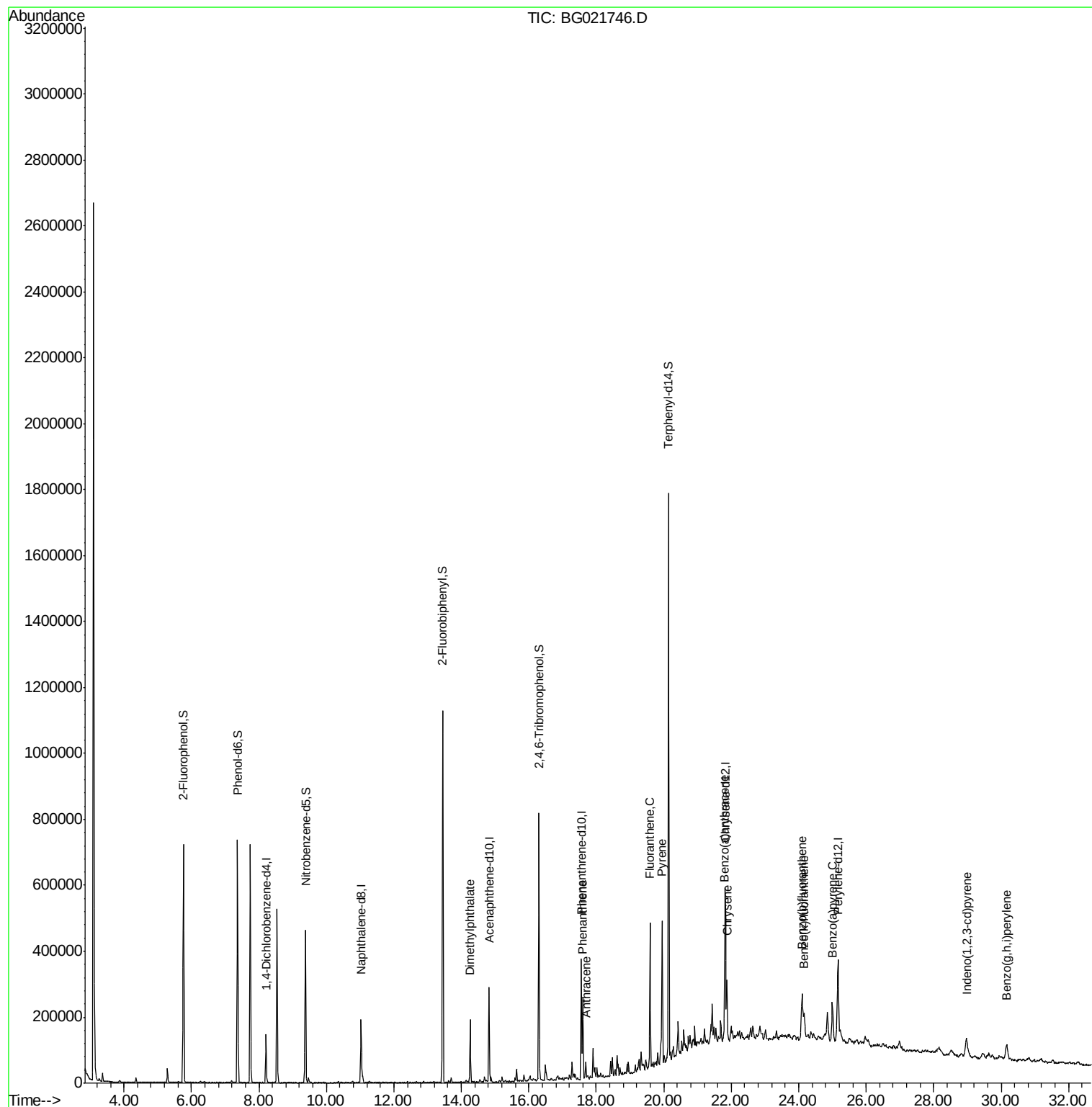
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.21	152	40295	20.00	ng	-0.01
21) Naphthalene-d8	11.03	136	175204	20.00	ng	-0.01
38) Acenaphthene-d10	14.82	164	98142	20.00	ng	0.00
63) Phenanthrene-d10	17.55	188	221487	20.00	ng	-0.01
75) Chrysene-d12	21.83	240	253010	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	24.16	252	69500m	4.87	ng	
89) Benzo(a)pyrene	25.00	252	127203	9.00	ng	96
91) Benzo(a,h,i)perylene	30.17	276	89645	6.45	ng	98

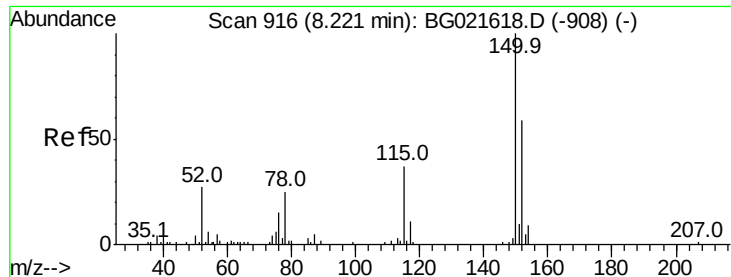
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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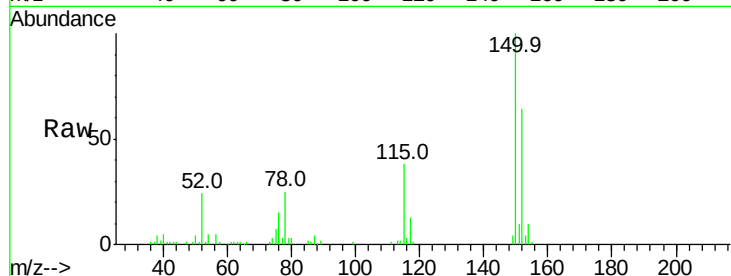


#1

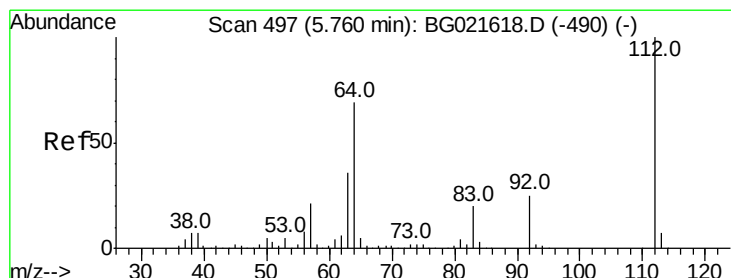
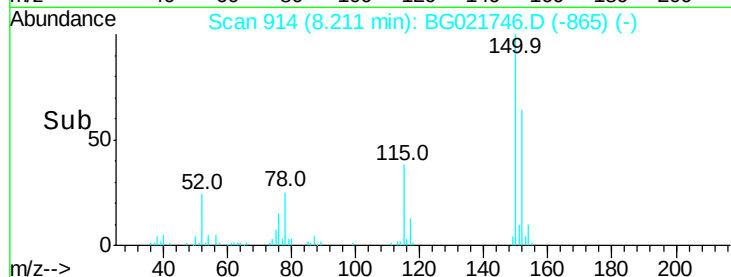
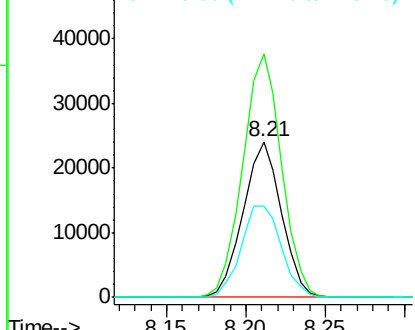
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.21 min Scan# 914
Delta R.T. -0.01 min
Lab File: BG021746.D
Acq: 18 Apr 2016 22:57

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

Tot Ion:152 Resp: 40295
Ion Ratio Lower Upper
152 100
150 156.7 130.1 195.1
115 58.8 62.2 93.2#



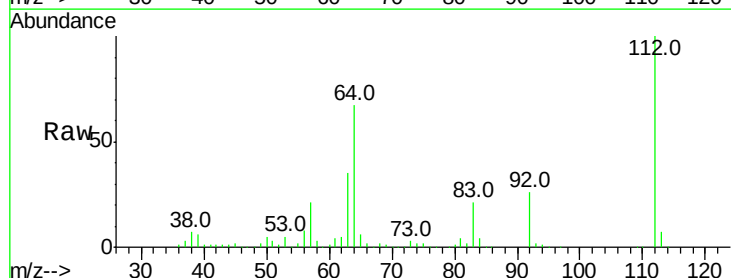
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



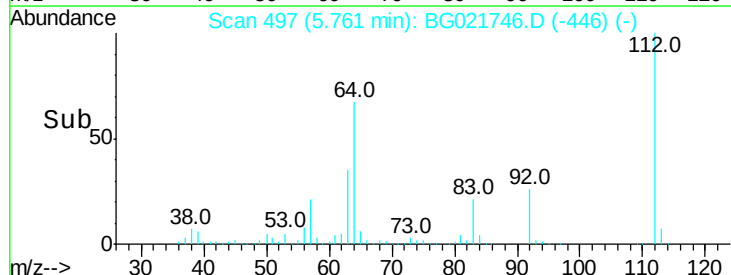
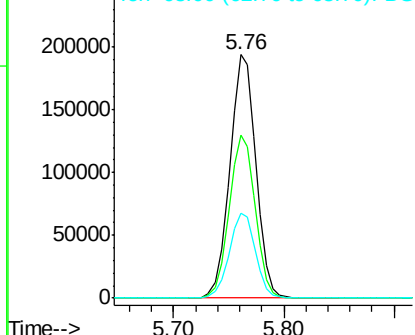
#5

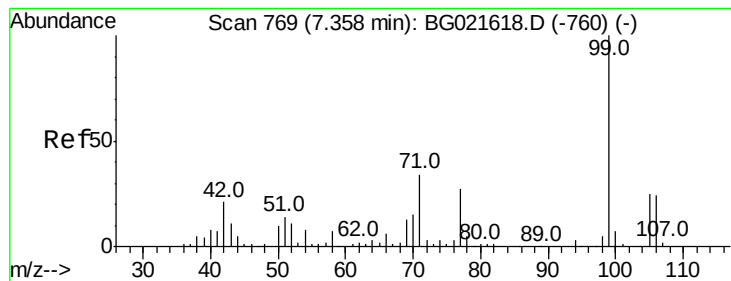
2-Fluorophenol
Concen: 132.17 ng
RT: 5.76 min Scan# 497
Delta R.T. 0.00 min
Lab File: BG021746.D
Acq: 18 Apr 2016 22:57

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

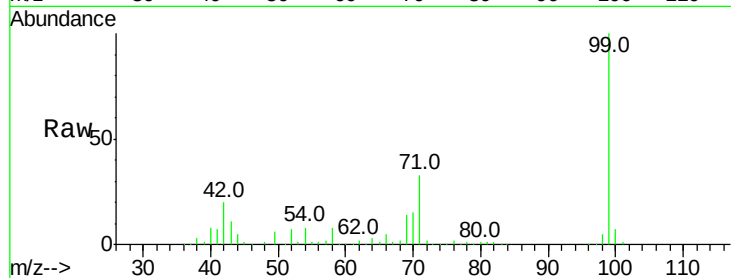
Tot Ion: 99 Resp: 458776

Ion Ratio Lower Upper

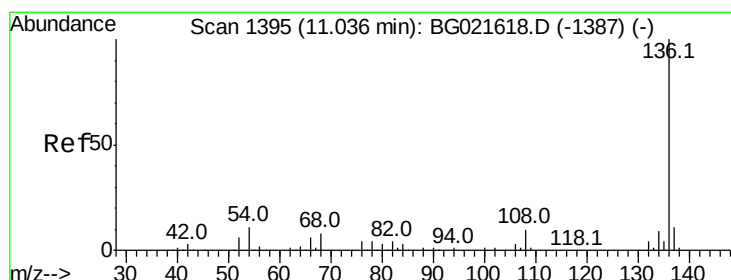
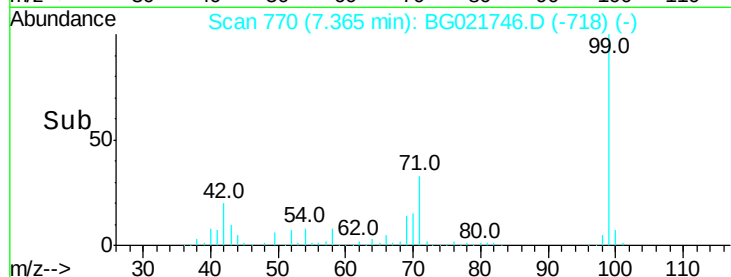
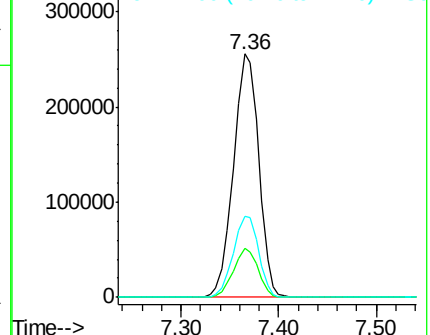
99 100

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

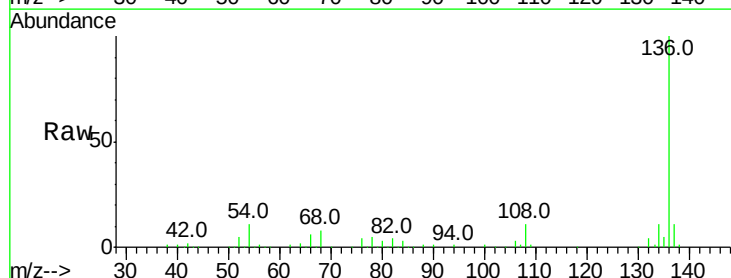
Ion Ratio Lower Upper

136 100

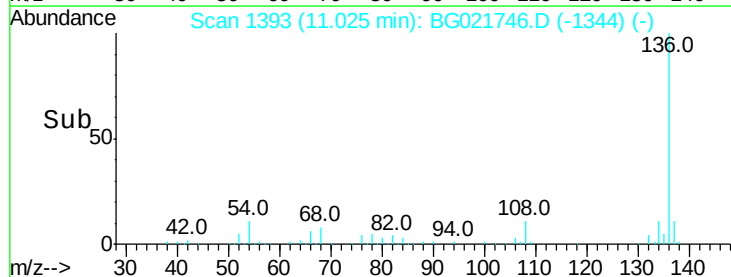
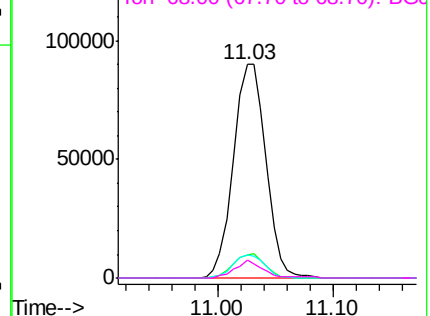
137 10.8 9.0 13.4

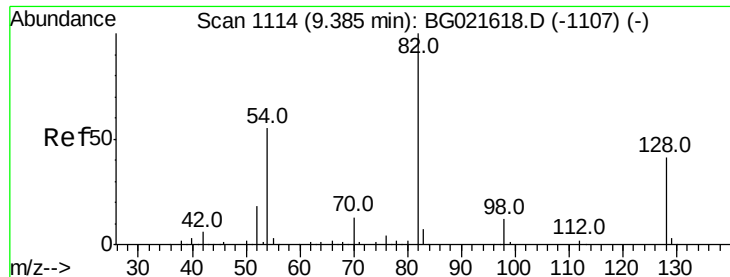
54 10.9 9.6 14.4

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

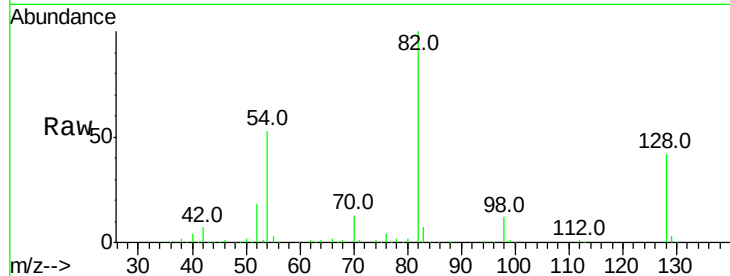




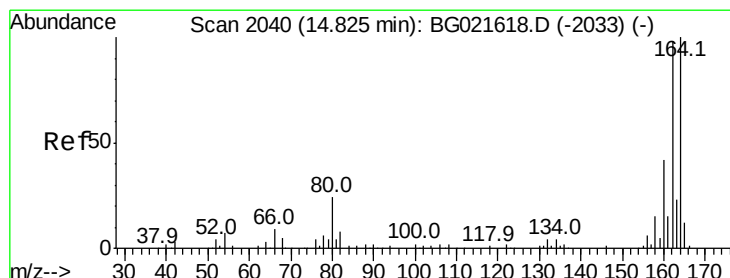
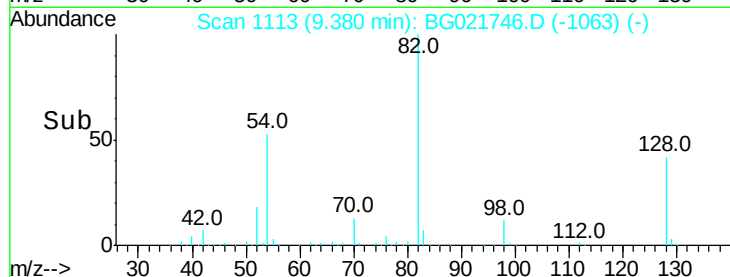
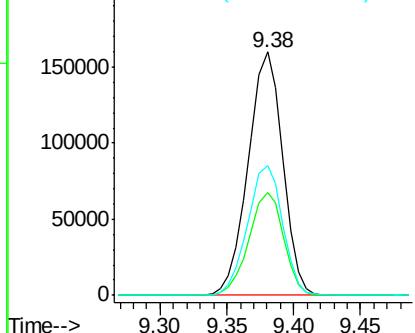
#23
 Nitrobenzene-d5
 Concen: 83.90 ng
 RT: 9.38 min Scan# 1113
 Delta R.T. -0.00 min
 Lab File: BG021746.D
 Acq: 18 Apr 2016 22:57

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

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

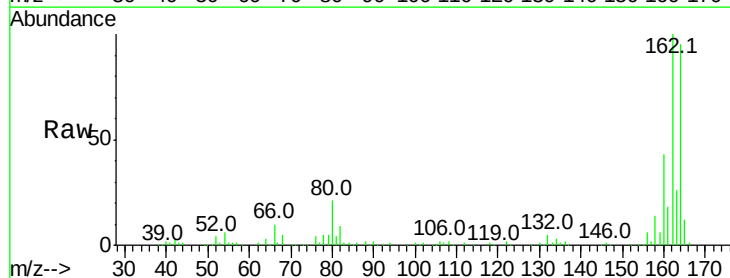


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

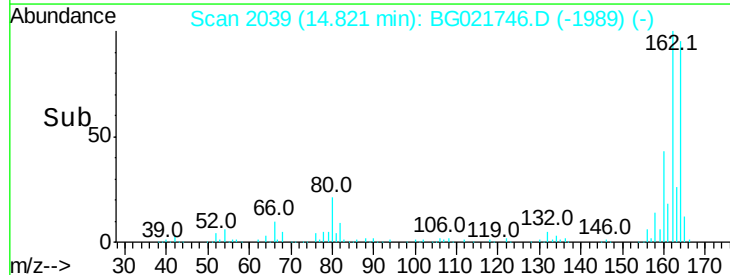
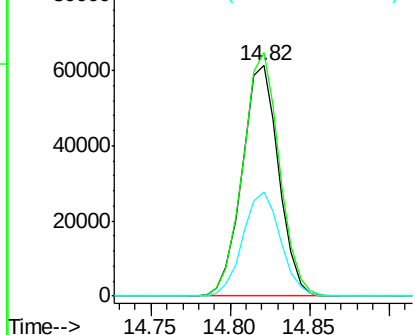


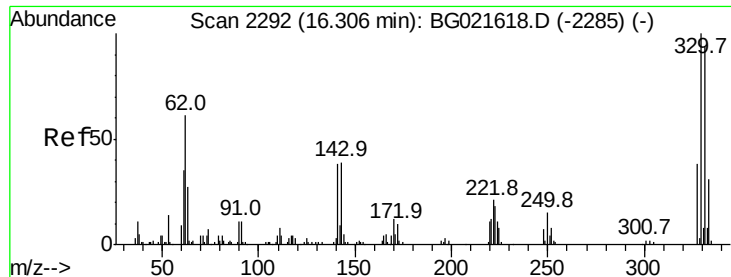
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.82 min Scan# 2039
 Delta R.T. -0.00 min
 Lab File: BG021746.D
 Acq: 18 Apr 2016 22:57

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

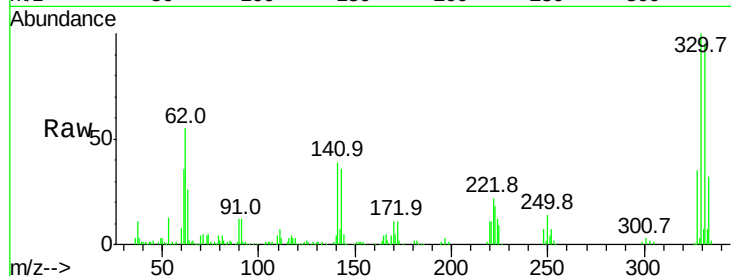
Tot Ion:330 Resp: 149357

Ion Ratio Lower Upper

330 100

332 95.1 78.0 117.0

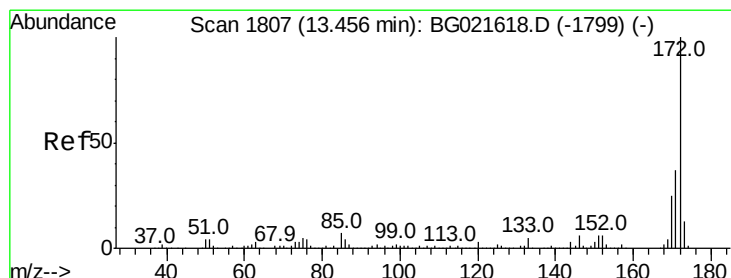
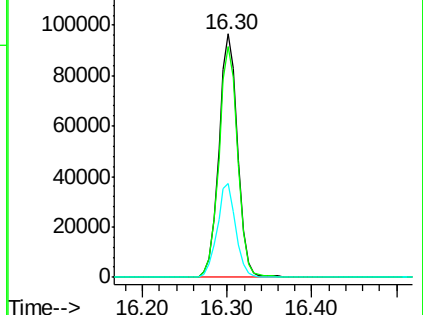
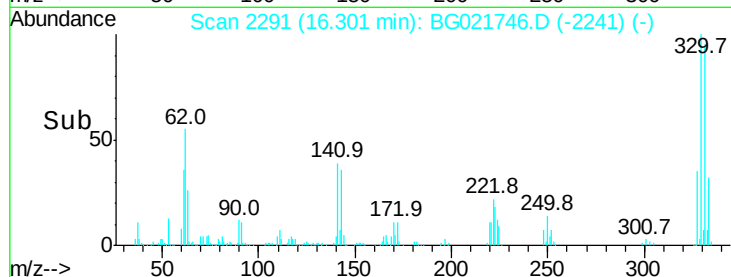
141 38.4 33.8 50.8



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

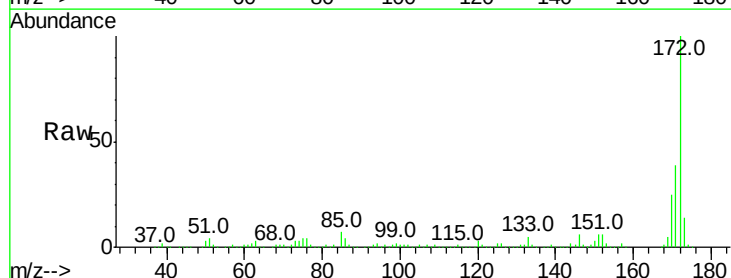
Tgt Ion:172 Resp: 582965

Ion Ratio Lower Upper

172 100

171 38.5 27.8 41.6

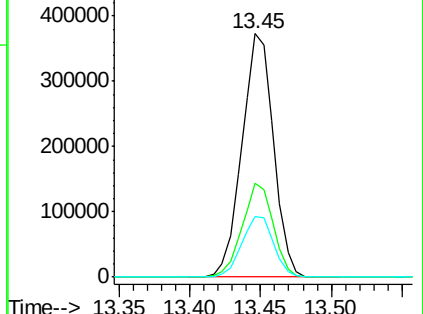
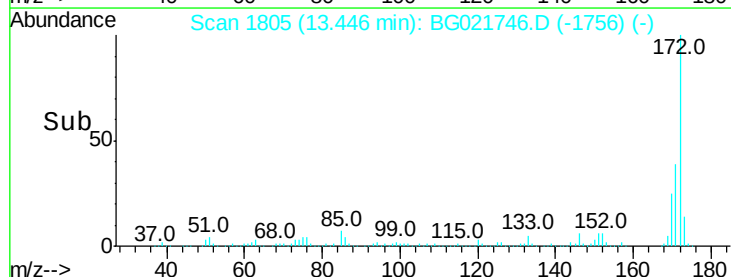
170 25.1 19.6 29.4

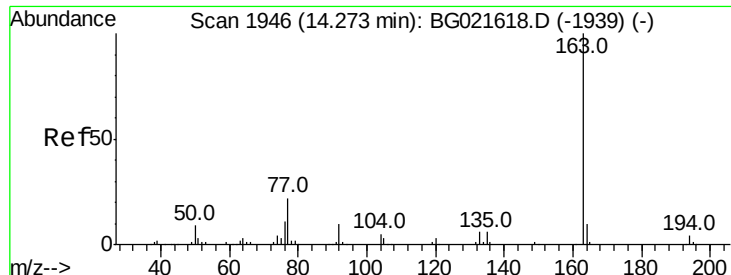


Abundance Ion 172.00 (171.70 to 172.70): E

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 :

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ClientSampleId :

POST-EX-24-20160412

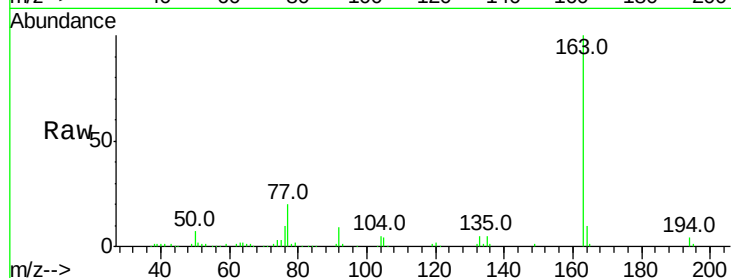
Tot Ion:163 Resp: 130299

Ion Ratio Lower Upper

163 100

194 4.2 3.0 4.6

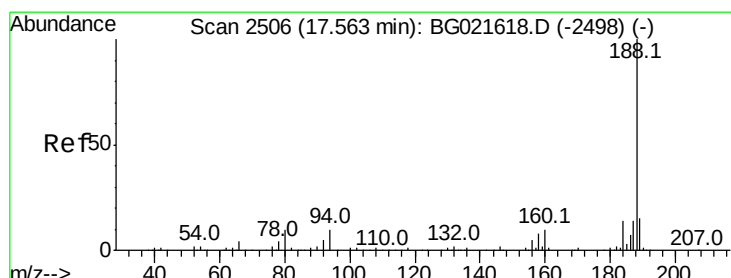
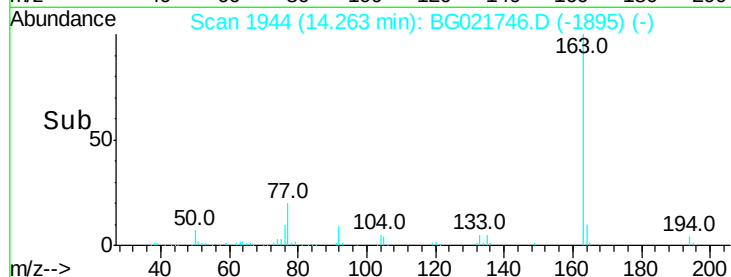
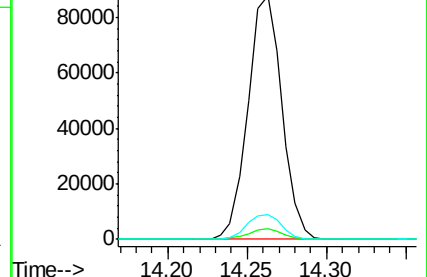
164 10.0 8.1 12.1



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: 17.55 min Scan# 2504

Delta R.T. -0.01 min

Lab File: BG021746.D

Acq: 18 Apr 2016 22:57

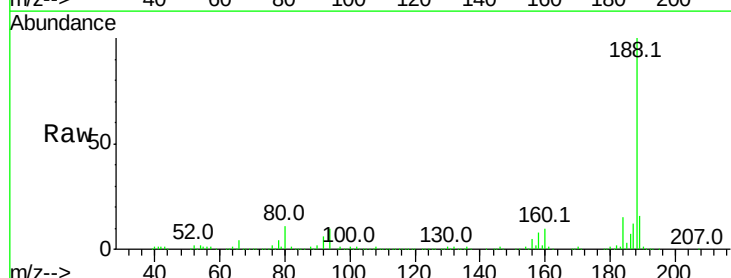
Tgt Ion:188 Resp: 221487

Ion Ratio Lower Upper

188 100

94 9.7 7.5 11.3

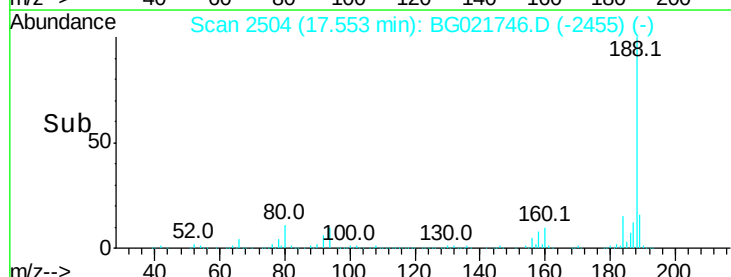
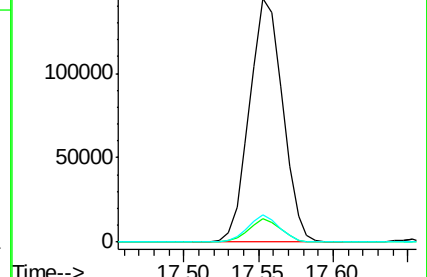
80 11.1 8.6 13.0

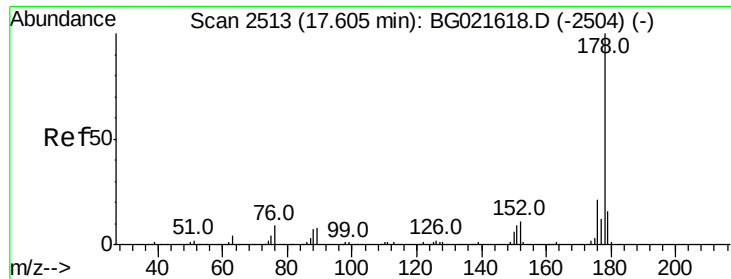


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG0

Ion 80.00 (79.70 to 80.70): BG0





#70

Phenanthrene

Concen: 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

Instrument :

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ClientSampleId :

POST-EX-24-20160412

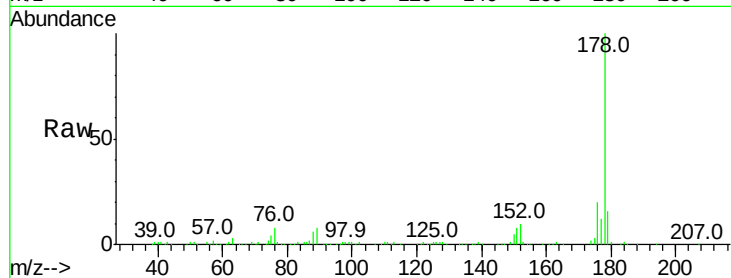
Tot Ion:178 Resp: 156151

Ion Ratio Lower Upper

178 100

176 19.9 16.2 24.4

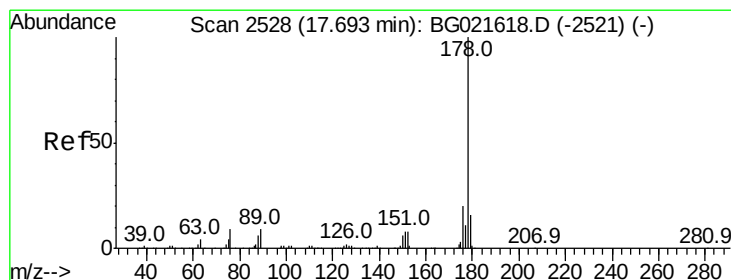
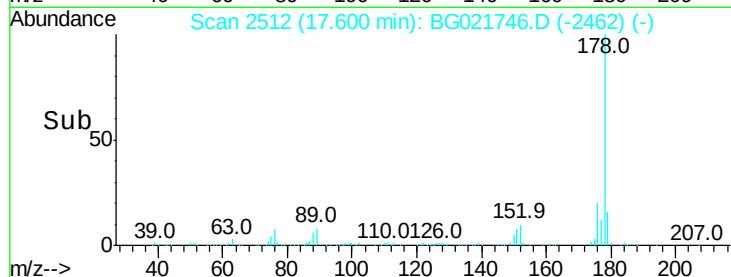
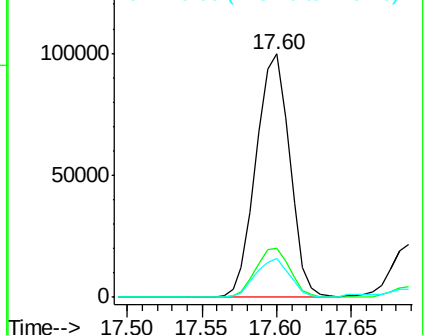
179 15.7 12.0 18.0



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

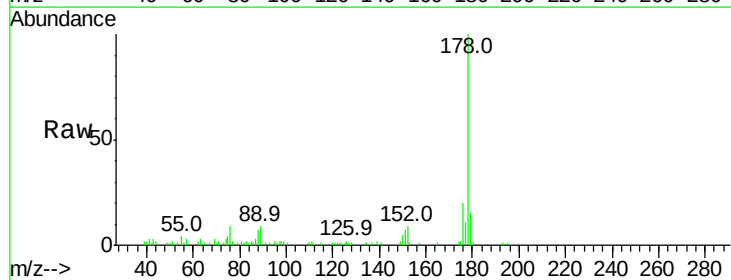
Tgt Ion:178 Resp: 31686

Ion Ratio Lower Upper

178 100

176 20.1 15.0 22.4

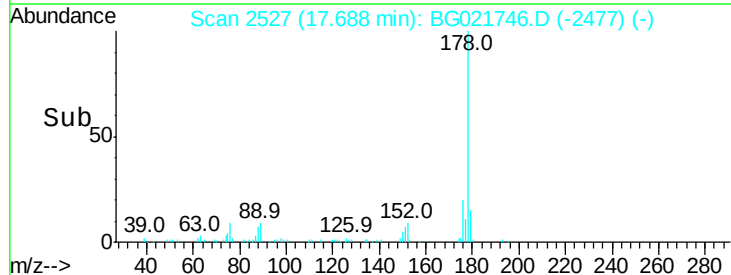
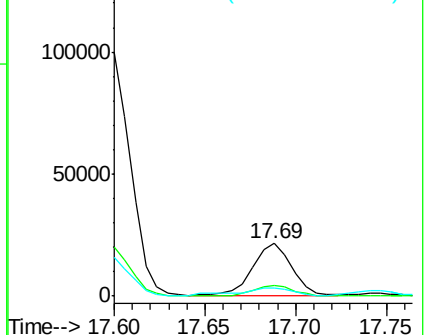
179 15.2 12.2 18.4

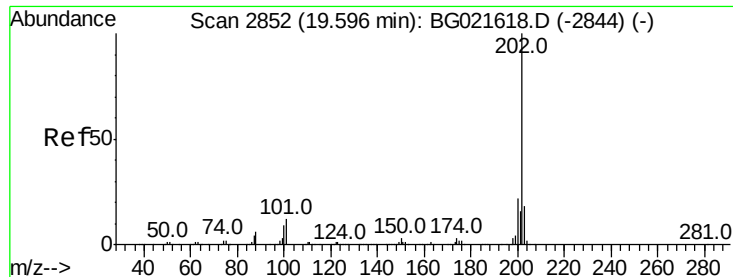


Abundance Ion 178.00 (177.70 to 178.70): E

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

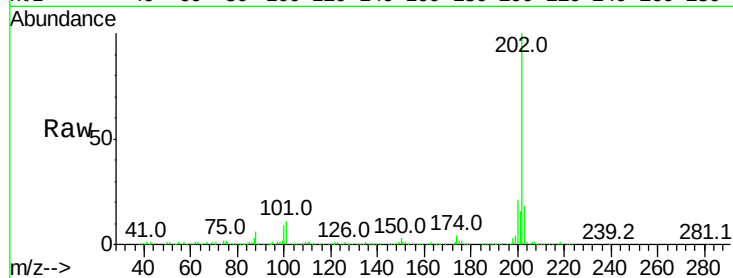
Tot Ion:202 Resp: 273504

Ion Ratio Lower Upper

202 100

101 10.8 0.0 31.0

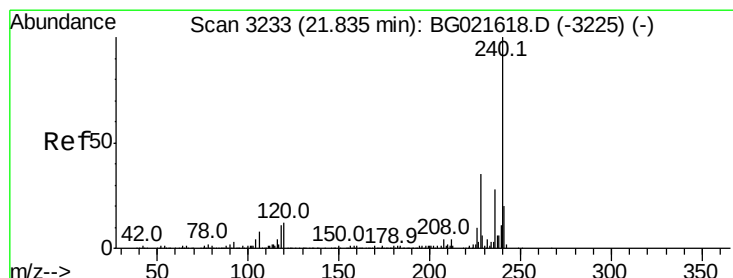
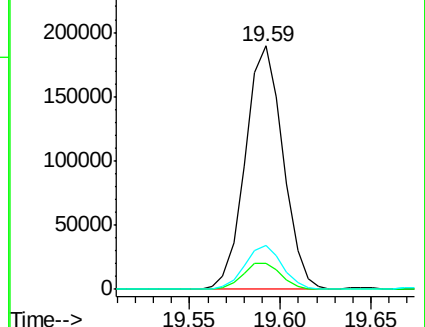
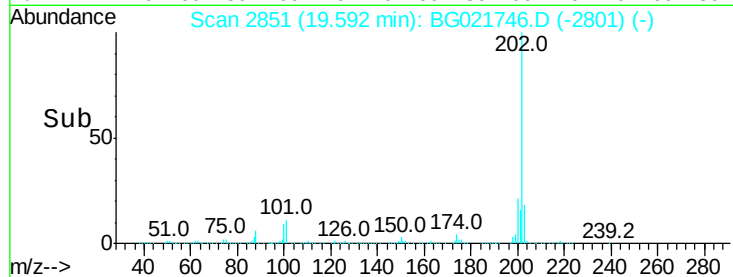
203 17.9 0.0 37.9



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

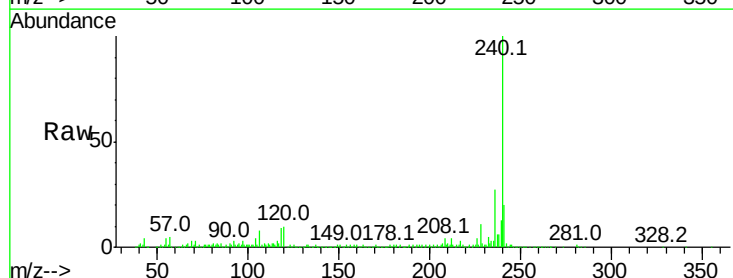
Tgt Ion:240 Resp: 253010

Ion Ratio Lower Upper

240 100

120 10.1 8.4 12.6

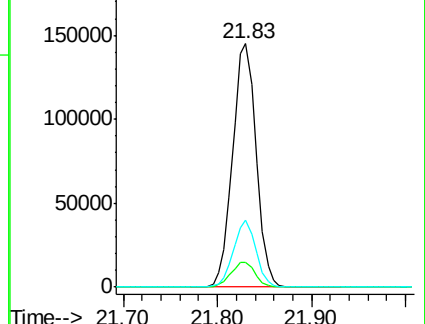
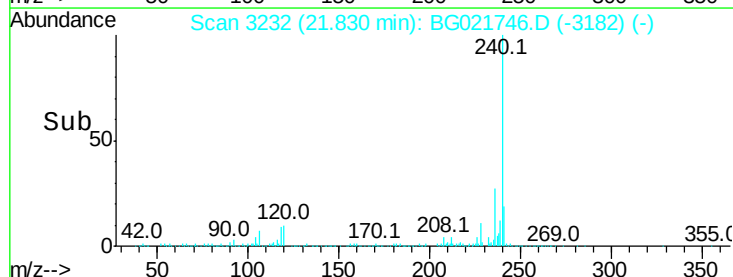
236 27.5 19.6 29.4

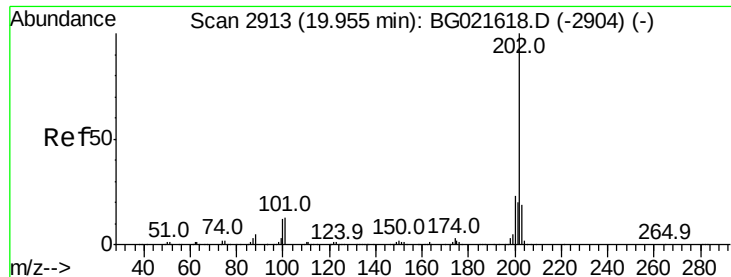


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

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

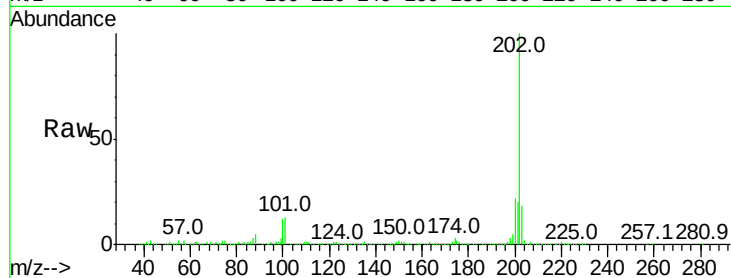
Tot Ion:202 Resp: 263190

Ion Ratio Lower Upper

202 100

200 21.9 18.2 27.2

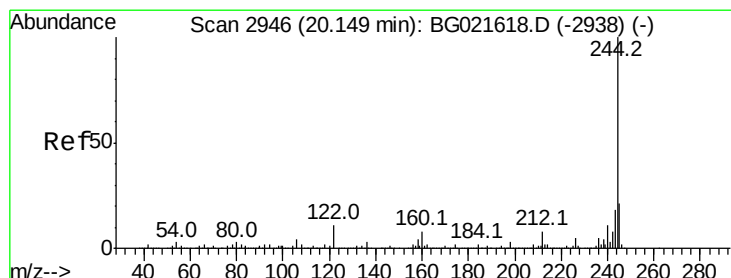
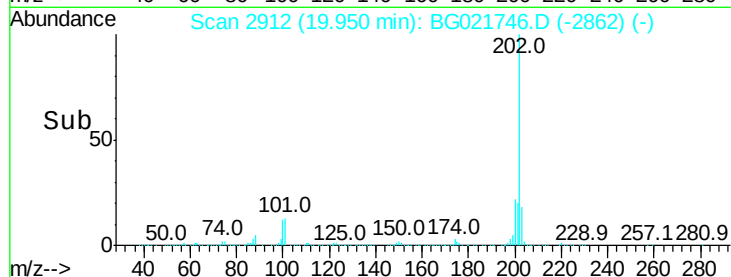
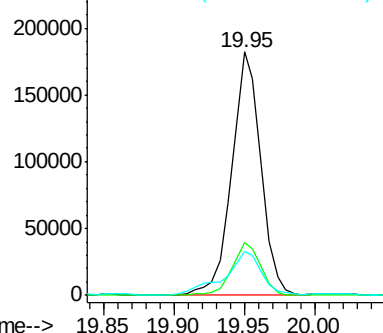
203 18.0 15.0 22.4



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: 75.36 ng

RT: 20.14 min Scan# 2944

Delta R.T. -0.01 min

Lab File: BG021746.D

Acq: 18 Apr 2016 22:57

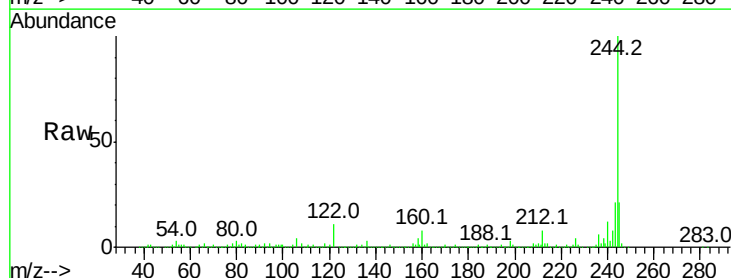
Tgt Ion:244 Resp: 764115

Ion Ratio Lower Upper

244 100

212 8.0 6.5 9.7

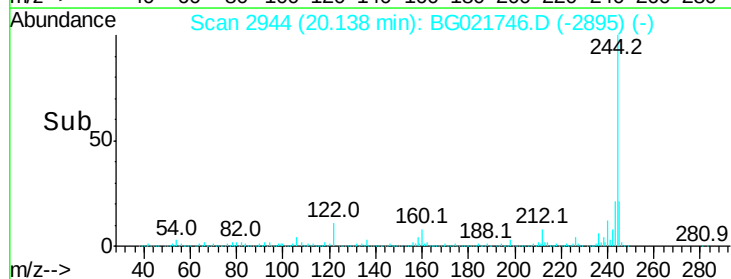
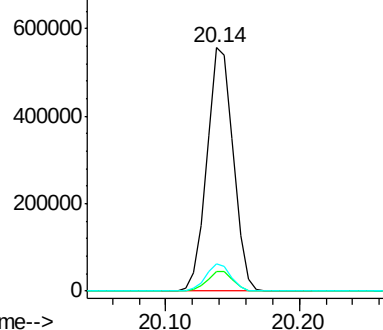
122 11.0 8.6 12.8

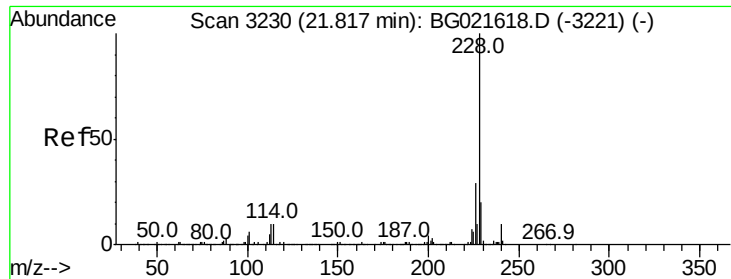


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

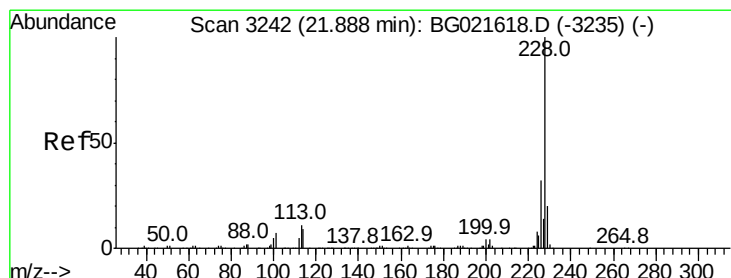
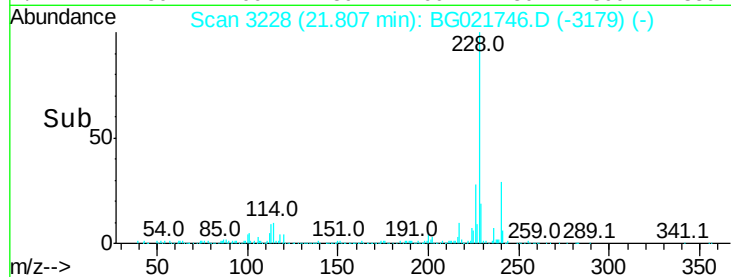
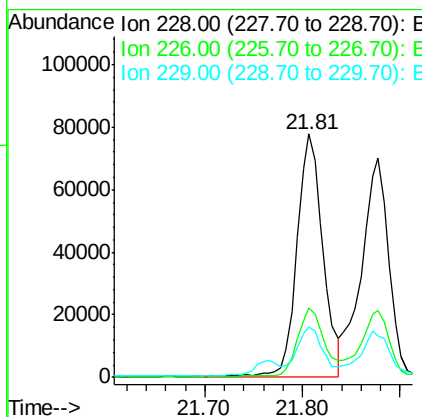
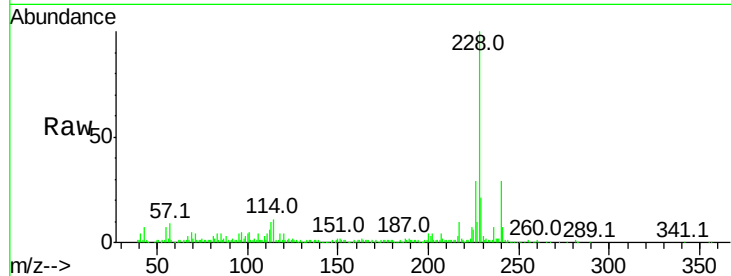




#80
Benzo(a)anthracene
Concen: 9.77 ng
RT: 21.81 min Scan# 3228
Delta R.T. -0.01 min
Lab File: BG021746.D
Acq: 18 Apr 2016 22:57

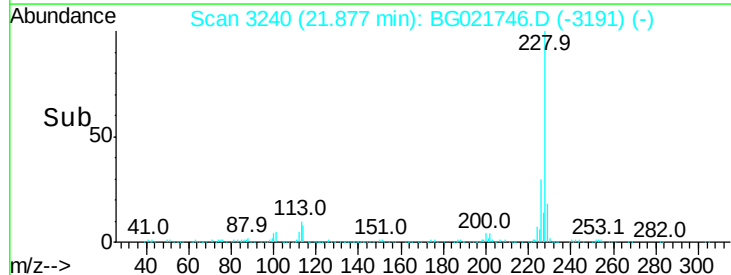
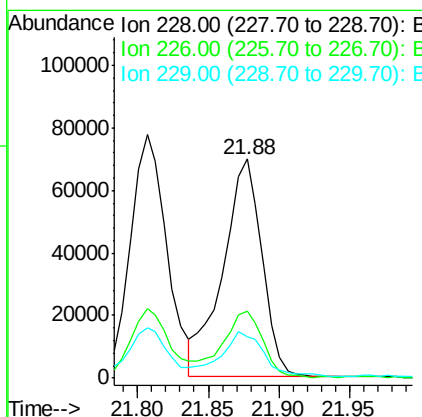
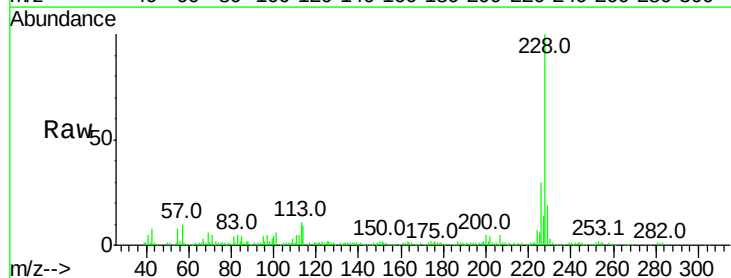
Instrument :
BNA_G
ClientSampleId :
POST-EX-24-20160412

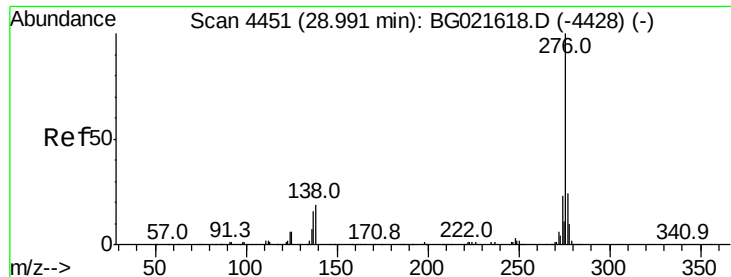
Tot Ion:228 Resp: 142253
Ion Ratio Lower Upper
228 100
226 28.6 22.6 34.0
229 20.7 16.1 24.1



#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

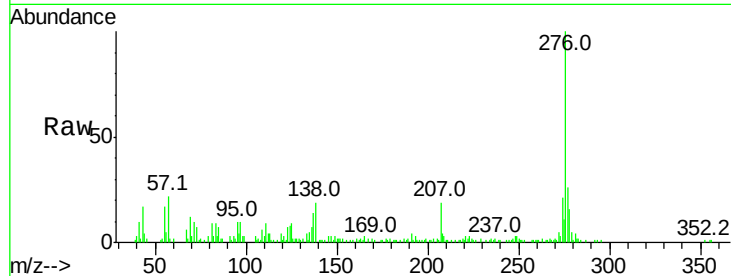




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 5.28 ng
 RT: 28.98 min Scan# 4449
 Delta R.T. -0.01 min
 Lab File: BG021746.D
 Acq: 18 Apr 2016 22:57

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

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.1	14.0	21.0
277	23.3	20.6	30.8

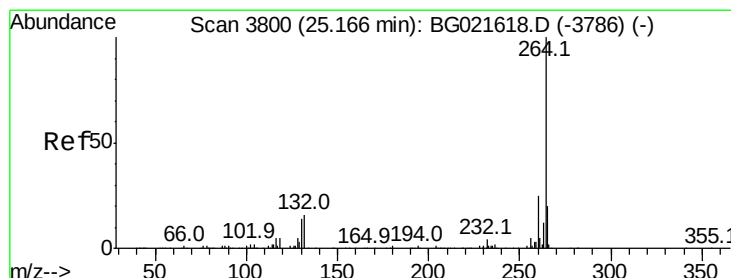
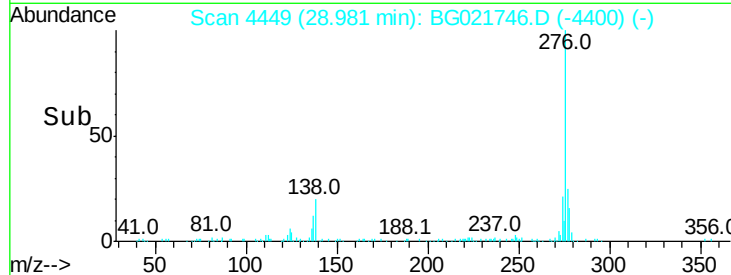
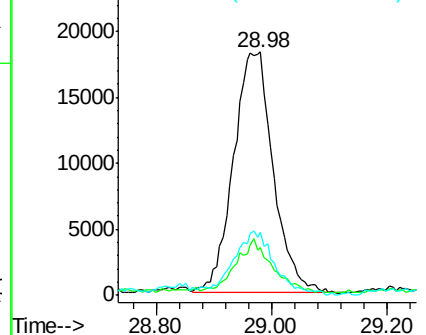


Abundance

Ion 276.00 (275.70 to 276.70): E

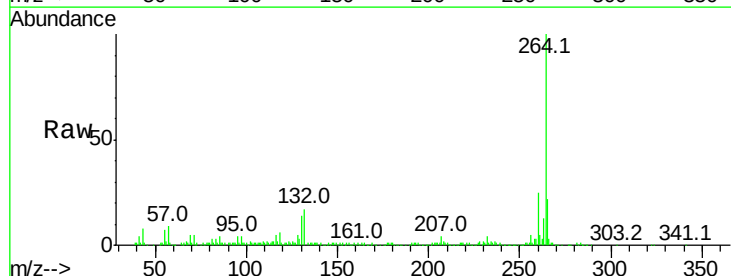
Ion 138.00 (137.70 to 138.70): E

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	Ratio	Lower	Upper
264	100		
260	24.8	20.2	30.4
265	22.2	17.8	26.8

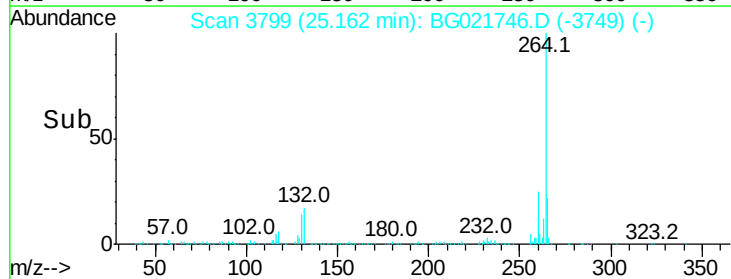
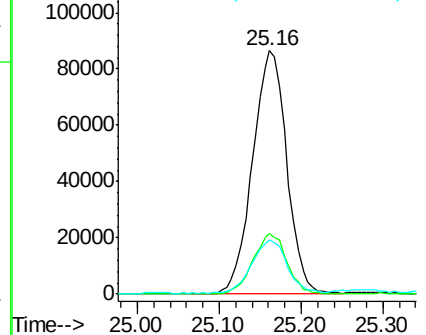


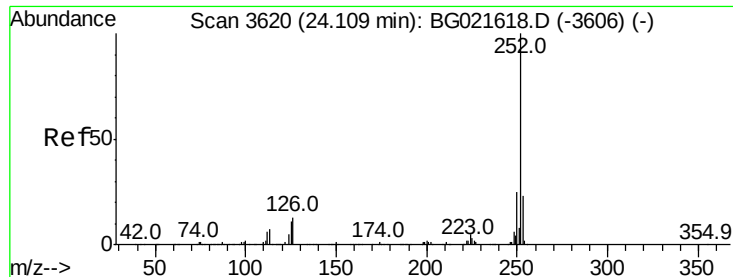
Abundance

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

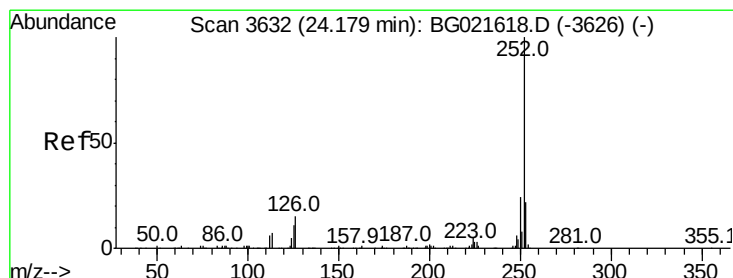
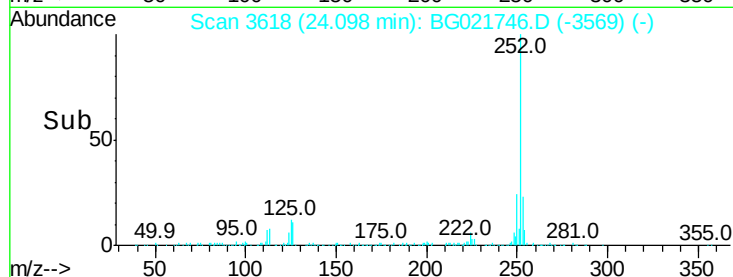
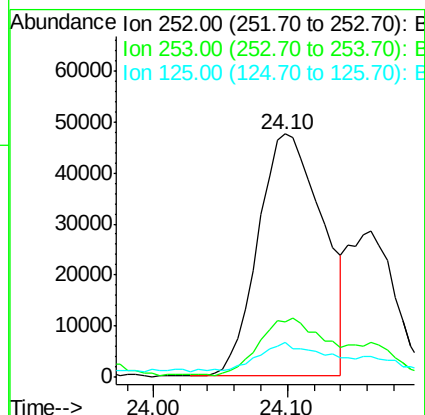
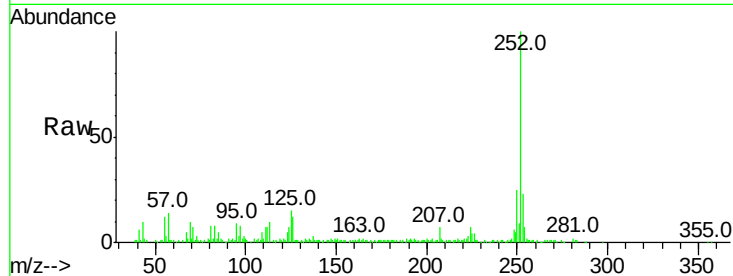




#87
Benzo(b)fluoranthene
Concen: 10.93 ng
RT: 24.10 min Scan# 3618
Delta R.T. -0.01 min
Lab File: BG021746.D
Acq: 18 Apr 2016 22:57

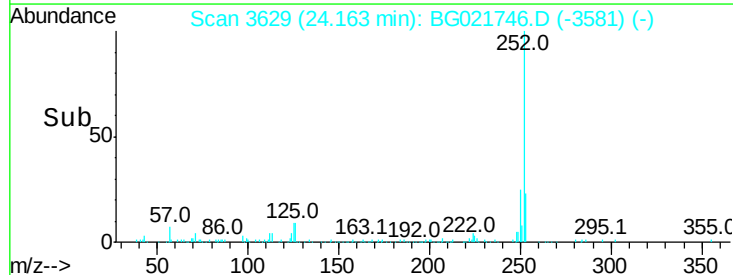
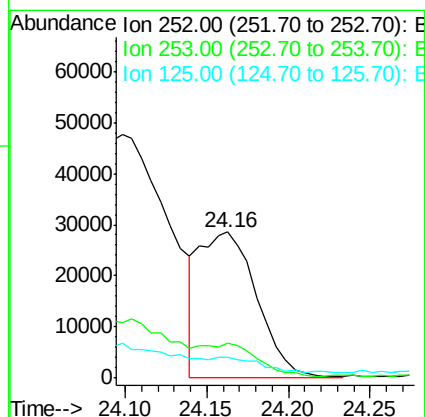
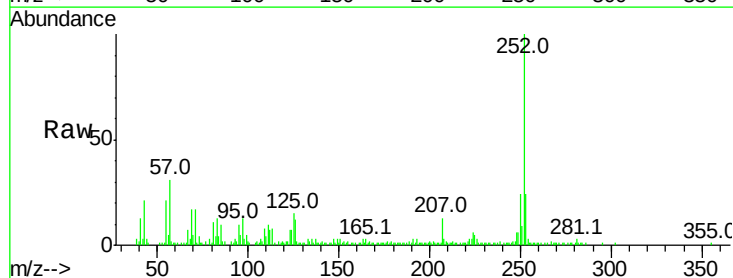
Instrument :
BNA_G
ClientSampleId :
POST-EX-24-20160412

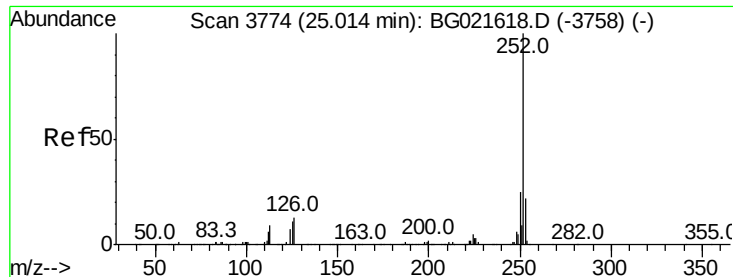
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.5	26.3
125	14.6	8.6	13.0



#88
Benzo(k)fluoranthene
Concen: 4.87 ng m
RT: 24.16 min Scan# 3629
Delta R.T. -0.02 min
Lab File: BG021746.D
Acq: 18 Apr 2016 22:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.8	26.8
125	14.6	8.3	12.5

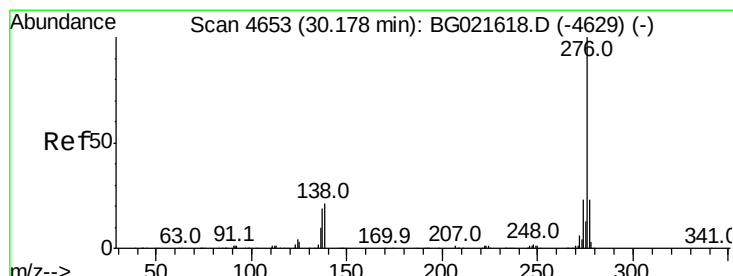
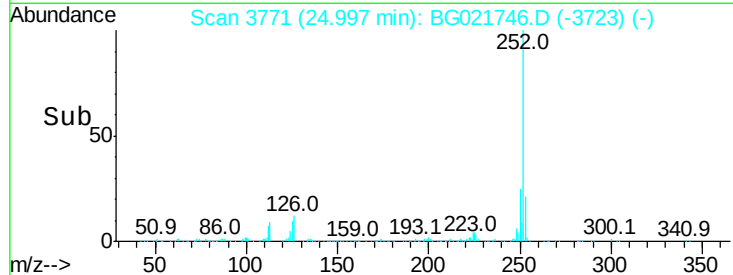
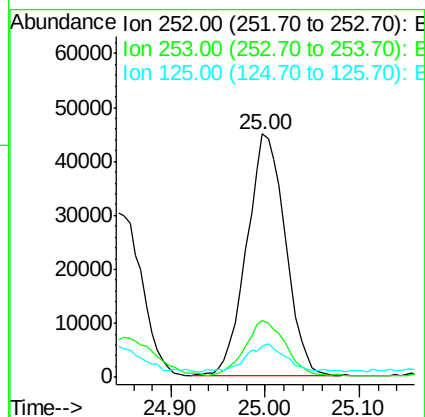
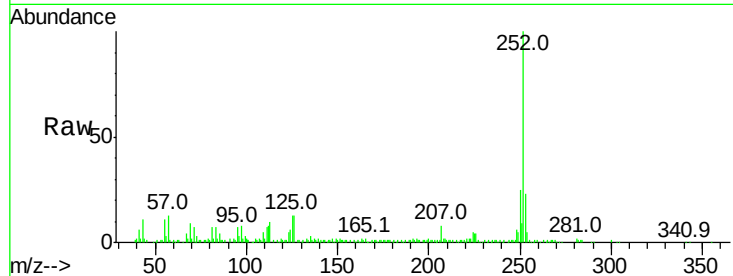




#89
Benzo(a)pyrene
Concen: 9.00 ng
RT: 25.00 min Scan# 3771
Delta R.T. -0.02 min
Lab File: BG021746.D
Acq: 18 Apr 2016 22:57

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.1	25.7
125	13.0	9.6	14.4



#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	Ratio	Lower	Upper
276	100		
277	23.1	19.4	29.2
138	20.6	17.4	26.0

