

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG041916\
 Data File : BG021756.D
 Acq On : 19 Apr 2016 5:36
 Operator : UM/SJ
 Sample : H2503-06
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 POST-EX-DUP1-20160412

Quant Time: Apr 19 07:04:07 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

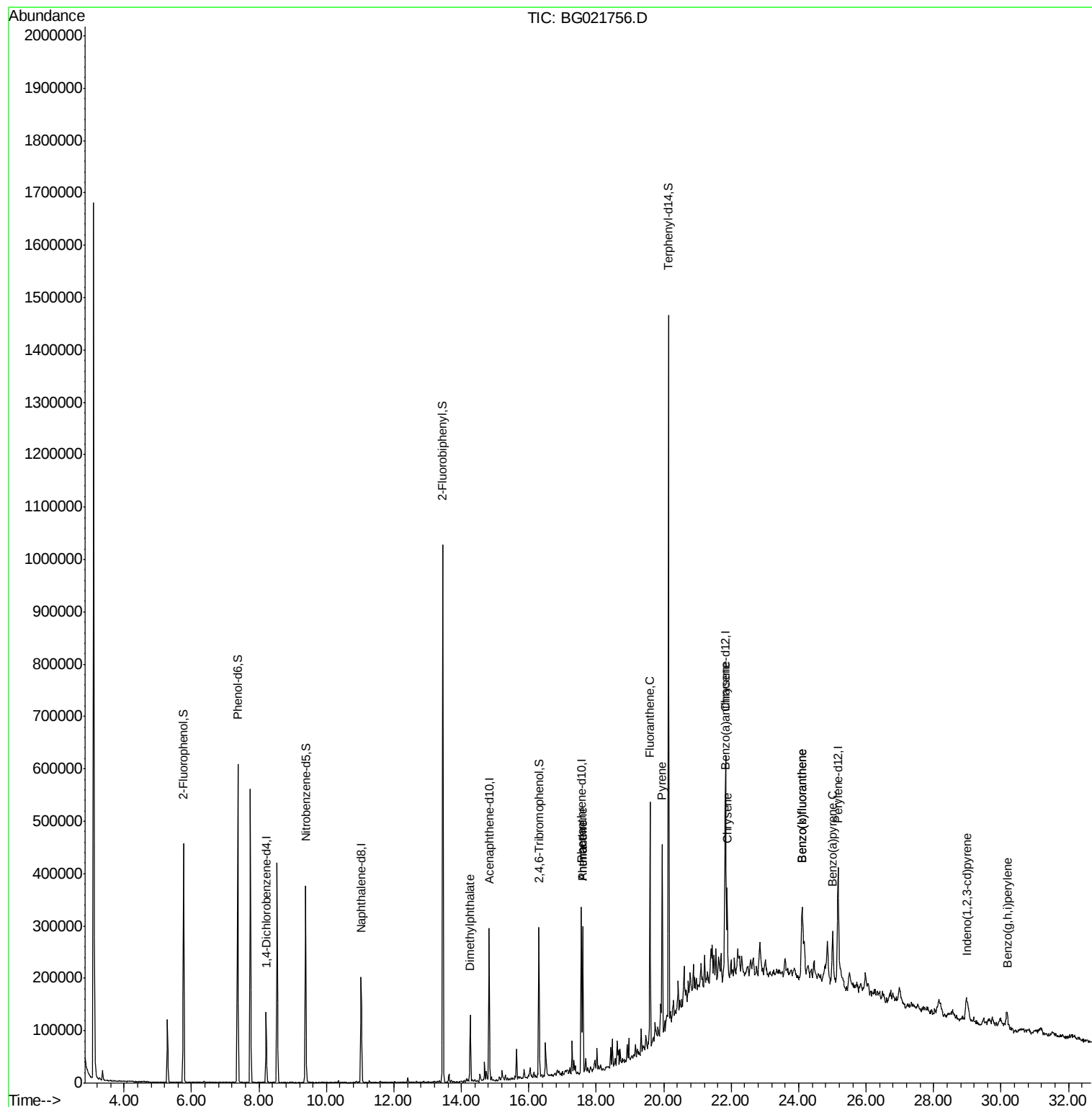
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.21	152	38217	20.00	ng	0.00
21) Naphthalene-d8	11.03	136	178955	20.00	ng	0.00
38) Acenaphthene-d10	14.82	164	104871	20.00	ng	0.00
63) Phenanthrene-d10	17.56	188	198700	20.00	ng	0.00
75) Chrysene-d12	21.83	240	220253	20.00	ng	0.00
86) Perylene-d12	25.17	264	220774	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.76	112	201796	87.93	ng	0.00
7) Phenol-d6	7.37	99	373016	108.81	ng	0.00
23) Nitrobenzene-d5	9.38	82	237044	68.08	ng	0.00
41) 2,4,6-Tribromophenol	16.30	330	51253	45.35	ng	0.00
44) 2-Fluorobiphenyl	13.45	172	537098	75.04	ng	0.00
78) Terphenyl-d14	20.14	244	594577	67.36	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	14.27	163	86592	9.55	ng	97
70) Phenanthrene	17.60	178	176901	16.15	ng	99
71) Anthracene	17.60	178	176901	15.91	ng	98
74) Fluoranthene	19.59	202	287094	21.95	ng	99
77) Pyrene	19.95	202	224899	17.71	ng	99
80) Benzo(a)anthracene	21.81	228	118541	9.35	ng	98
82) Chrysene	21.87	228	122011	10.02	ng	97
85) Indeno(1,2,3-cd)pyrene	28.98	276	70995	4.90	ng	95
87) Benzo(b)fluoranthene	24.11	252	153336	11.97	ng	# 95
88) Benzo(k)fluoranthene	24.11	252	153336	12.24	ng	# 95
89) Benzo(a)pyrene	25.01	252	101893	8.21	ng	# 94
91) Benzo(g,h,i)perylene	30.18	276	62357	5.11	ng	98

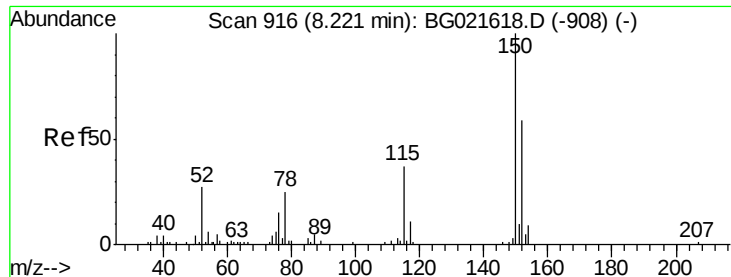
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.21 min Scan# 915

Delta R.T. -0.01 min

Lab File: BG021756.D

Acq: 19 Apr 2016 5:36

Instrument :

BNA_G

ClientSampleId :

POST-EX-DUP1-20160412

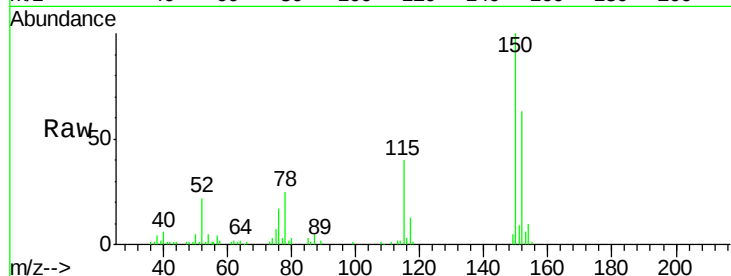
Tgt Ion:152 Resp: 38217

Ion Ratio Lower Upper

152 100

150 158.9 130.1 195.1

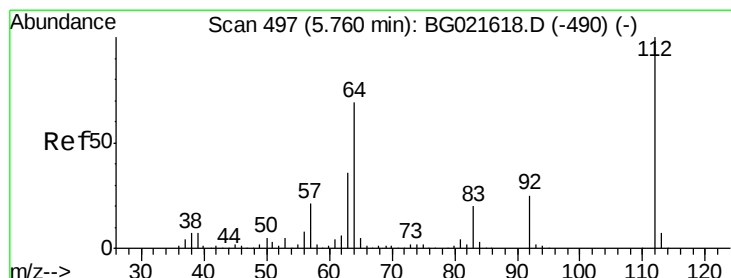
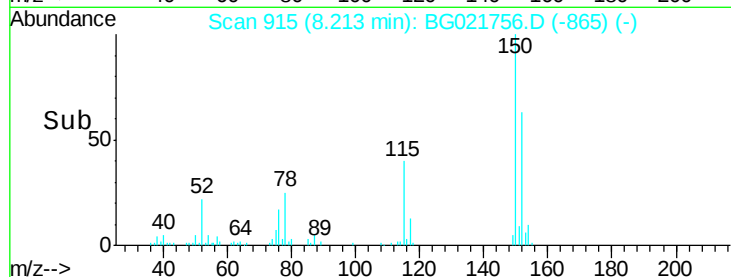
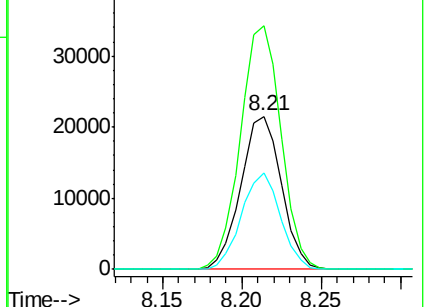
115 62.8 62.2 93.2



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: 87.93 ng

RT: 5.76 min Scan# 498

Delta R.T. 0.00 min

Lab File: BG021756.D

Acq: 19 Apr 2016 5:36

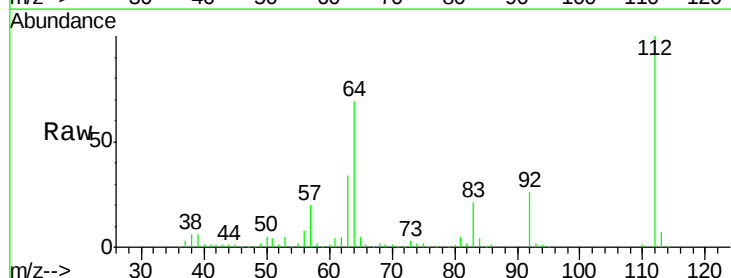
Tgt Ion:112 Resp: 201796

Ion Ratio Lower Upper

112 100

64 69.0 51.1 76.7

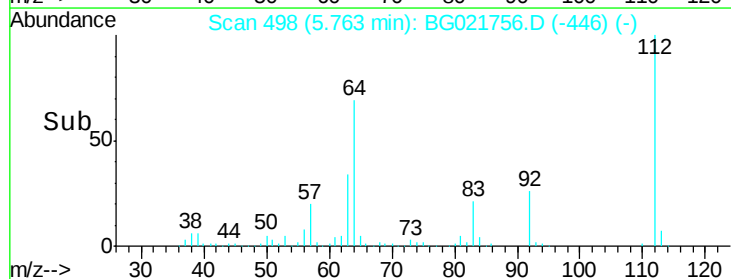
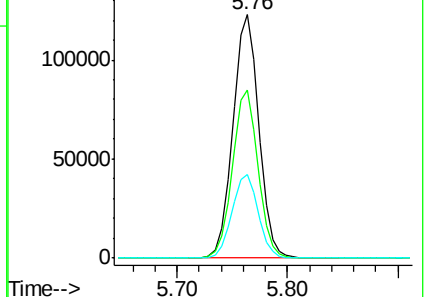
63 34.3 24.6 37.0

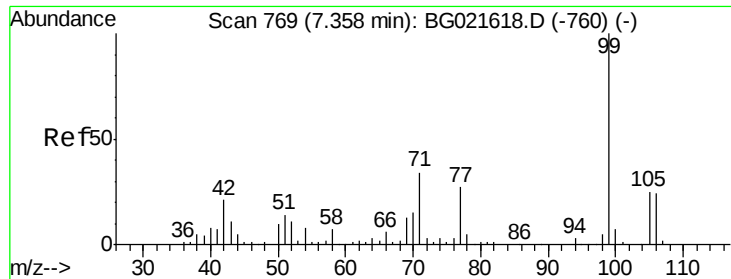


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 108.81 ng

RT: 7.37 min Scan# 771

Delta R.T. 0.01 min

Lab File: BG021756.D

Acq: 19 Apr 2016 5:36

Instrument :

BNA_G

ClientSampleId :

POST-EX-DUP1-20160412

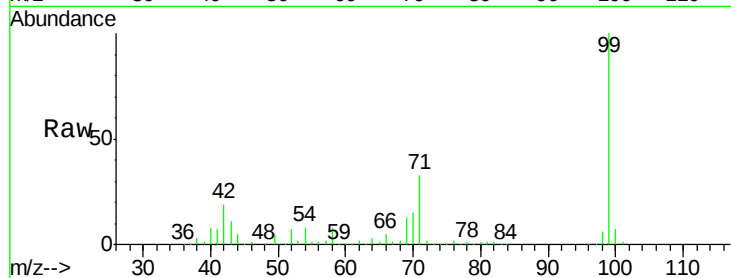
Tgt Ion: 99 Resp: 373016

Ion Ratio Lower Upper

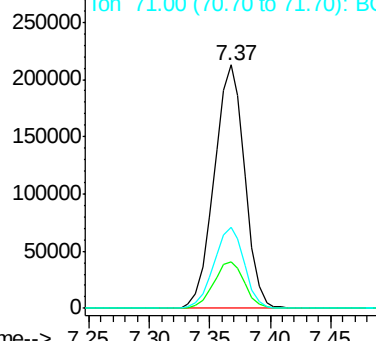
99 100

42 18.9 16.4 24.6

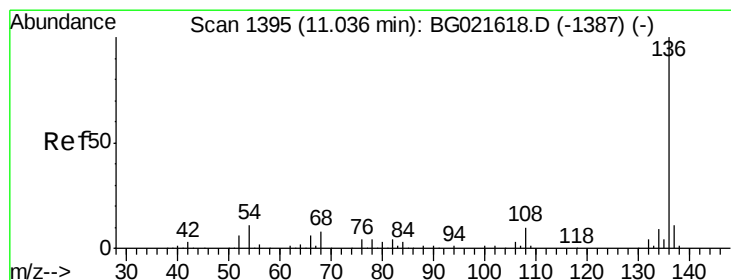
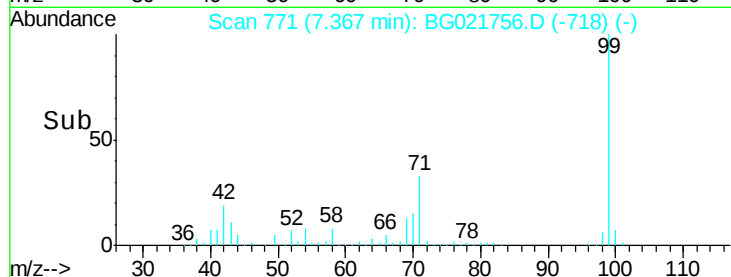
71 33.4 25.0 37.4



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



Time--> 7.25 7.30 7.35 7.40 7.45



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 11.03 min Scan# 1394

Delta R.T. -0.01 min

Lab File: BG021756.D

Acq: 19 Apr 2016 5:36

Tgt Ion: 136 Resp: 178955

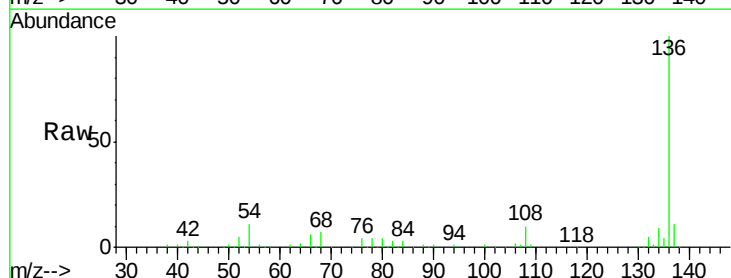
Ion Ratio Lower Upper

136 100

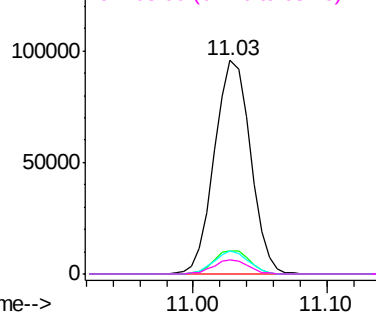
137 11.0 9.0 13.4

54 10.6 9.6 14.4

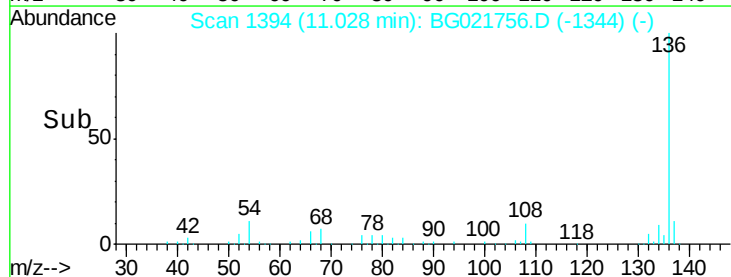
68 6.7 6.4 9.6

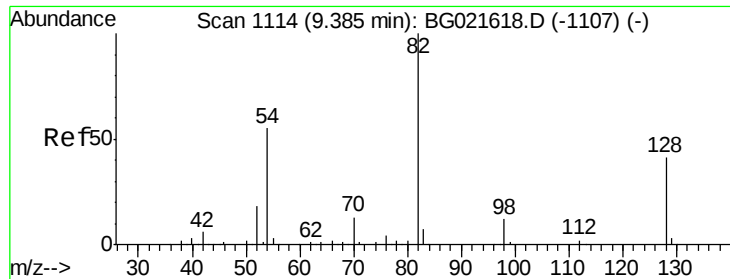


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC



Time--> 11.00 11.10

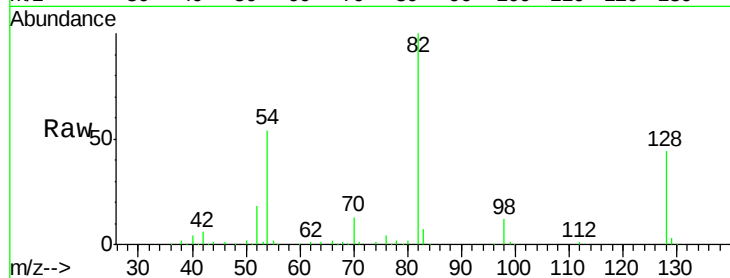




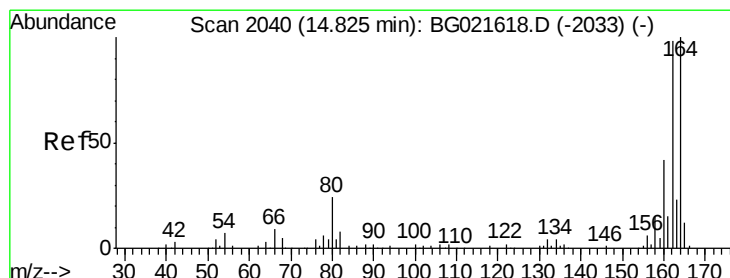
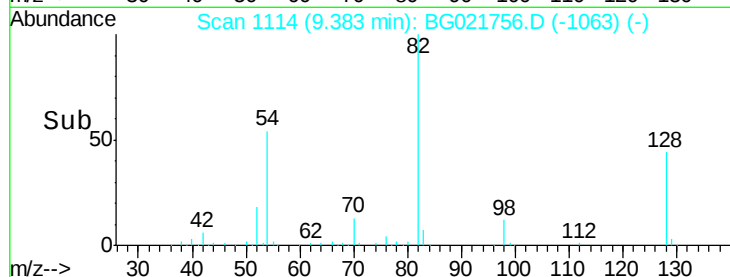
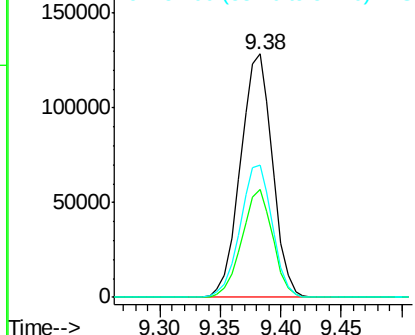
#23
 Nitrobenzene-d5
 Concen: 68.08 ng
 RT: 9.38 min Scan# 1114
 Delta R.T. -0.00 min
 Lab File: BG021756.D
 Acq: 19 Apr 2016 5:36

Instrument :
 BNA_G
 ClientSampleId :
 POST-EX-DUP1-20160412

Tgt Ion: 82 Resp: 237044
 Ion Ratio Lower Upper
 82 100
 128 44.2 33.4 50.0
 54 54.5 46.1 69.1

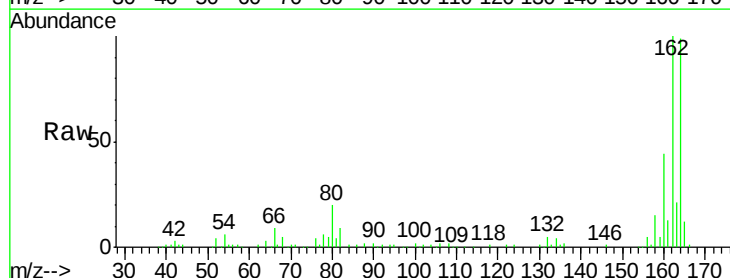


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

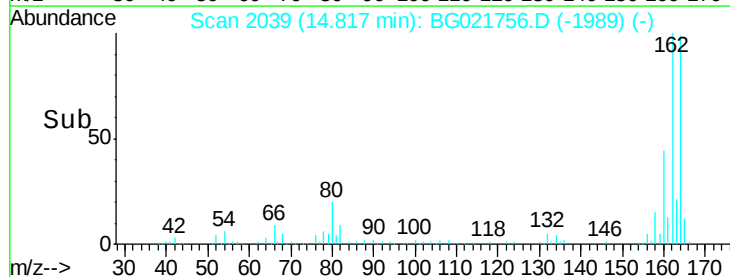
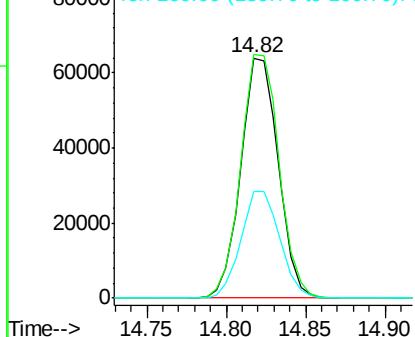


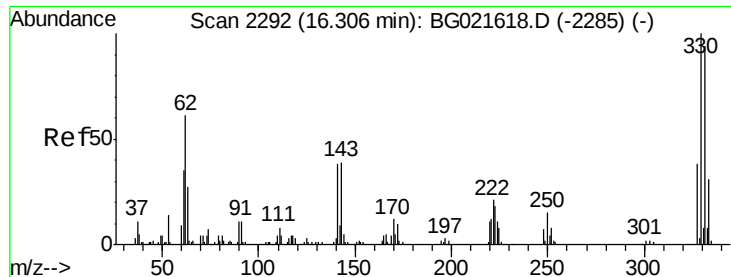
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.82 min Scan# 2039
 Delta R.T. -0.01 min
 Lab File: BG021756.D
 Acq: 19 Apr 2016 5:36

Tgt Ion: 164 Resp: 104871
 Ion Ratio Lower Upper
 164 100
 162 101.5 78.0 117.0
 160 44.5 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

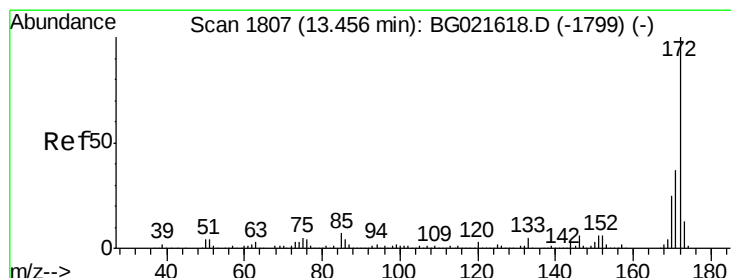
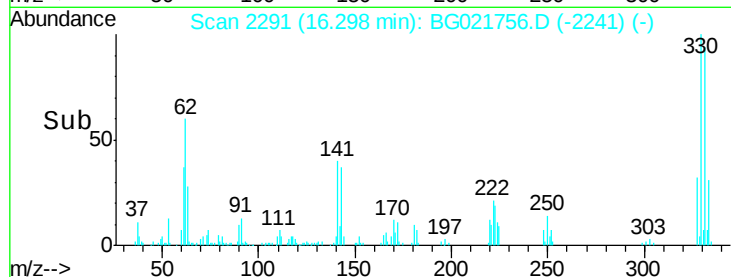
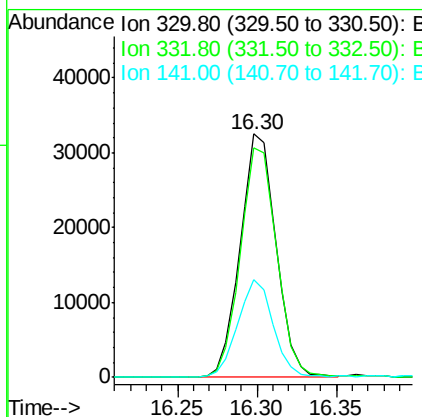
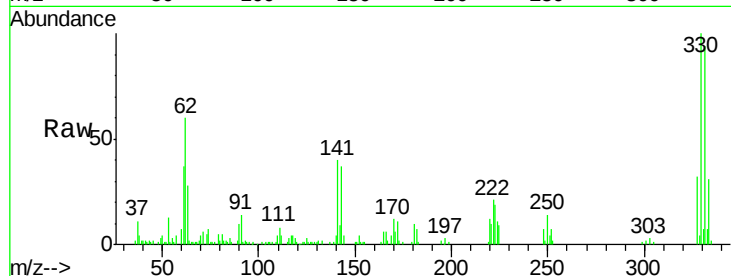




#41
 2,4,6-Tribromophenol
 Concen: 45.35 ng
 RT: 16.30 min Scan# 2291
 Delta R.T. -0.01 min
 Lab File: BG021756.D
 Acq: 19 Apr 2016 5:36

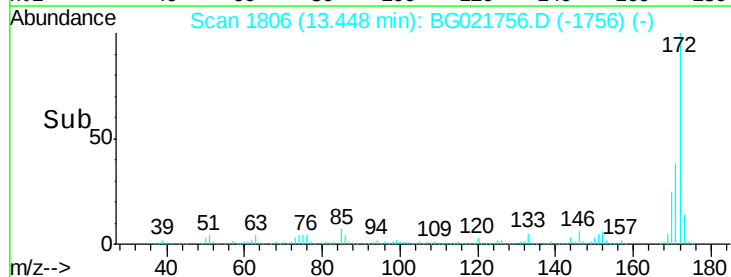
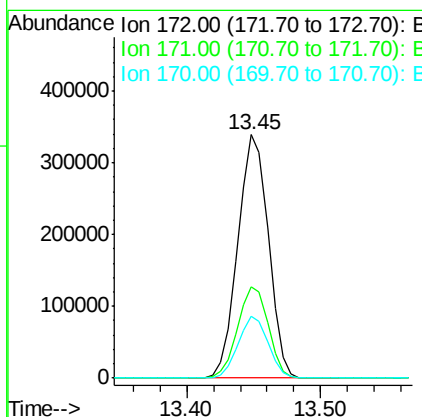
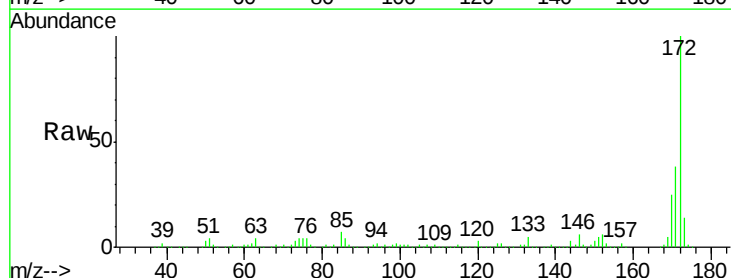
Instrument :
 BNA_G
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 POST-EX-DUP1-20160412

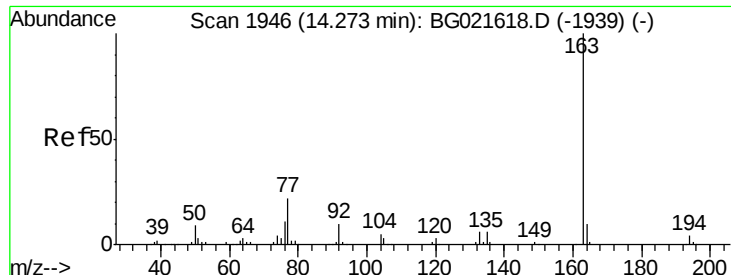
Tgt Ion:330 Resp: 51253
 Ion Ratio Lower Upper
 330 100
 332 96.0 78.0 117.0
 141 39.6 33.8 50.8



#44
 2-Fluorobiphenyl
 Concen: 75.04 ng
 RT: 13.45 min Scan# 1806
 Delta R.T. -0.01 min
 Lab File: BG021756.D
 Acq: 19 Apr 2016 5:36

Tgt Ion:172 Resp: 537098
 Ion Ratio Lower Upper
 172 100
 171 37.7 27.8 41.6
 170 25.2 19.6 29.4





#49

Dimethylphthalate

Concen: 9.55 ng

RT: 14.27 min Scan# 1945

Delta R.T. -0.01 min

Lab File: BG021756.D

Acq: 19 Apr 2016 5:36

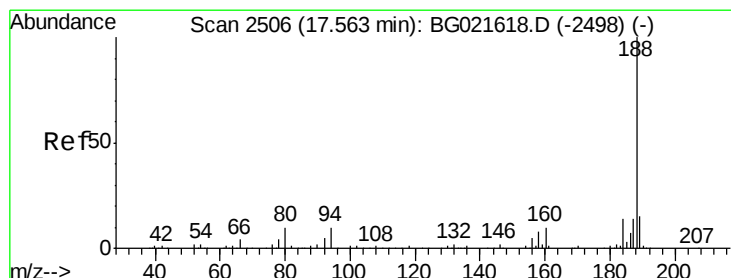
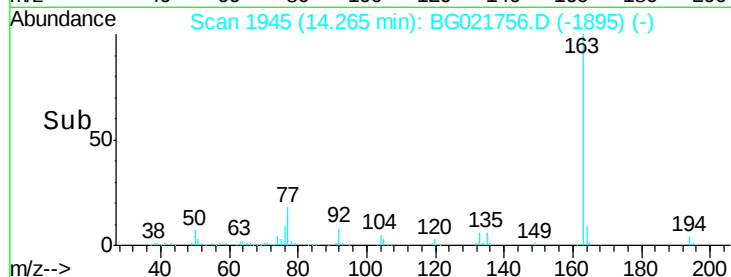
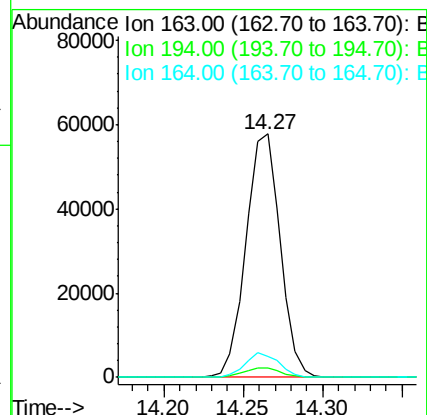
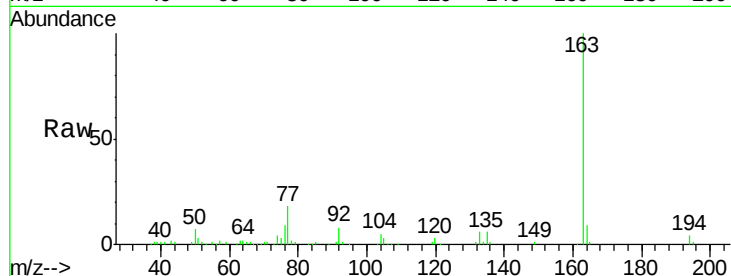
Instrument :

BNA_G

ClientSampleId :

POST-EX-DUP1-20160412

Tgt Ion:	163	Resp:	86592
Ion Ratio	Lower	Upper	
163	100		
194	4.0	3.0	4.6
164	8.6	8.1	12.1



#63

Phenanthrene-d10

Concen: 20.00 ng

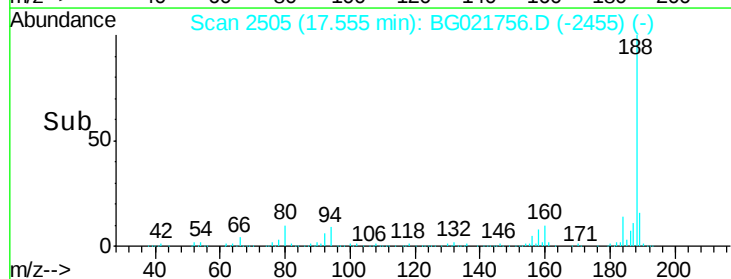
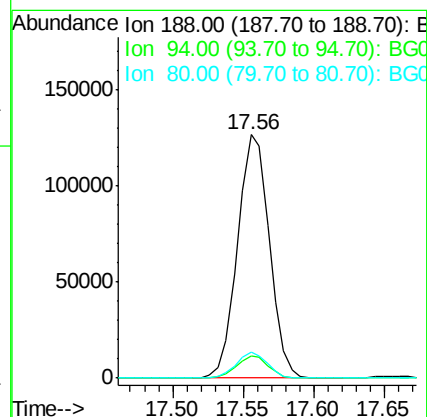
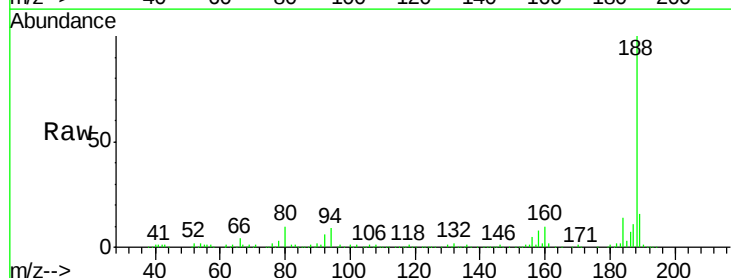
RT: 17.56 min Scan# 2505

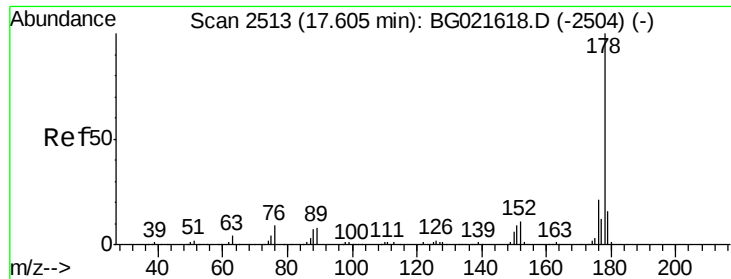
Delta R.T. -0.01 min

Lab File: BG021756.D

Acq: 19 Apr 2016 5:36

Tgt Ion:	188	Resp:	198700
Ion Ratio	Lower	Upper	
188	100		
94	9.0	7.5	11.3
80	10.4	8.6	13.0





#70

Phenanthrene

Concen: 16.15 ng

RT: 17.60 min Scan# 2513

Delta R.T. -0.00 min

Lab File: BG021756.D

Acq: 19 Apr 2016 5:36

Instrument :

BNA_G

ClientSampleId :

POST-EX-DUP1-20160412

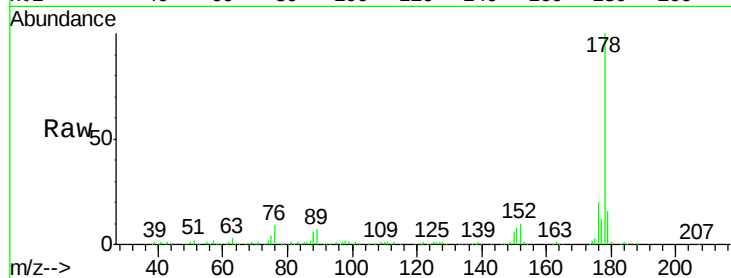
Tgt Ion:178 Resp: 176901

Ion Ratio Lower Upper

178 100

176 19.9 16.2 24.4

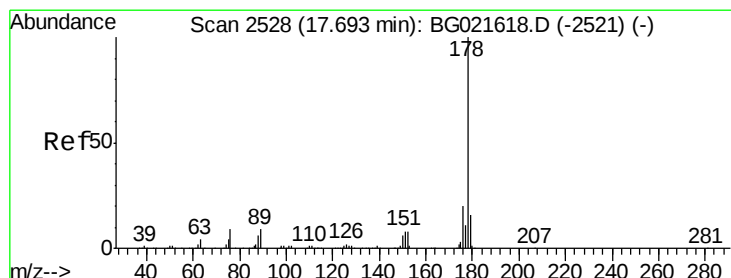
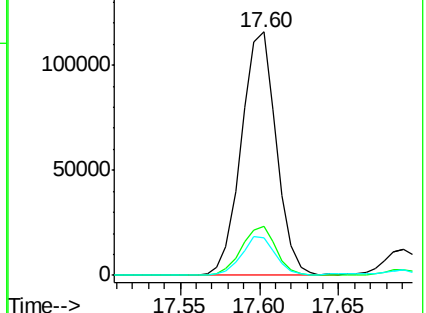
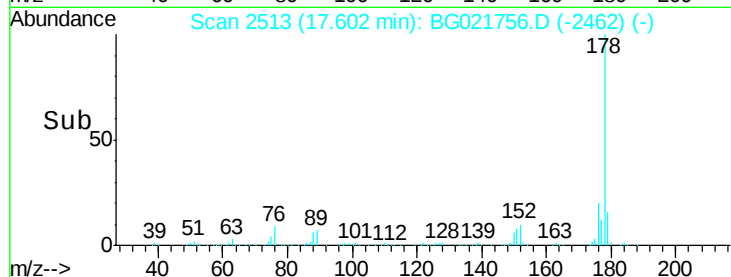
179 15.6 12.0 18.0



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: 15.91 ng

RT: 17.60 min Scan# 2513

Delta R.T. -0.09 min

Lab File: BG021756.D

Acq: 19 Apr 2016 5:36

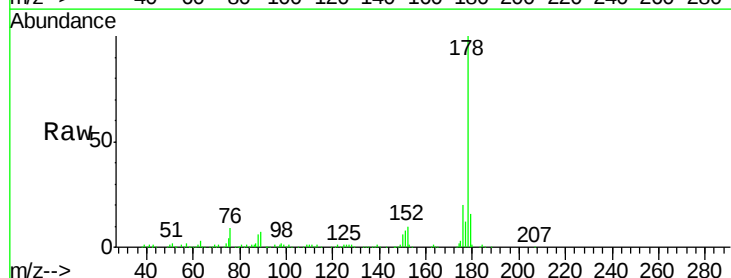
Tgt Ion:178 Resp: 176901

Ion Ratio Lower Upper

178 100

176 19.9 15.0 22.4

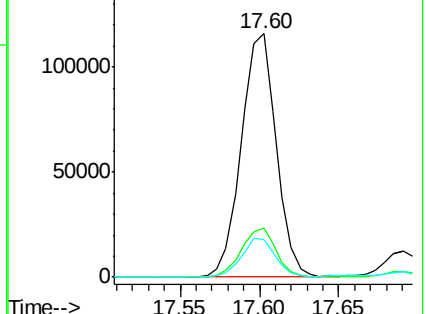
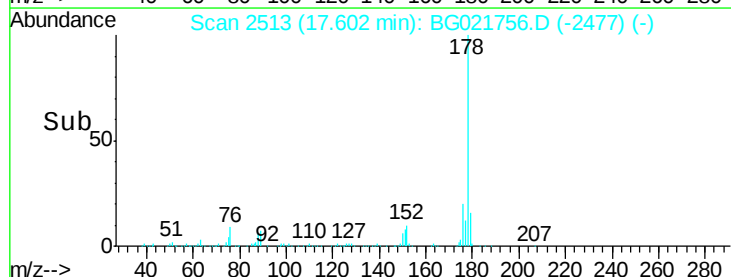
179 15.6 12.2 18.4

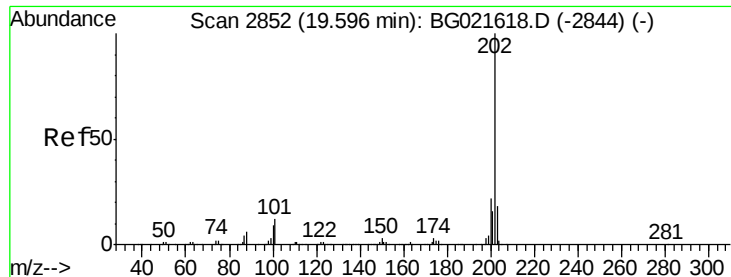


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 21.95 ng

RT: 19.59 min Scan# 2852

Delta R.T. -0.00 min

Lab File: BG021756.D

Acq: 19 Apr 2016 5:36

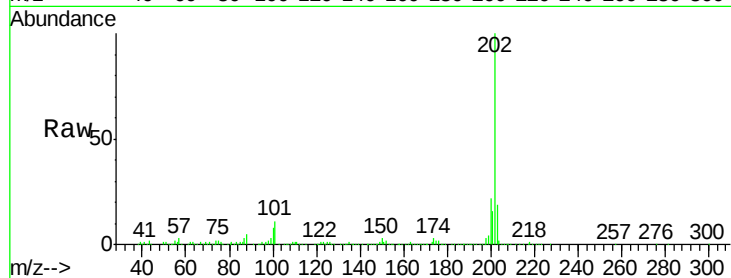
Instrument :

BNA_G

ClientSampleId :

POST-EX-DUP1-20160412

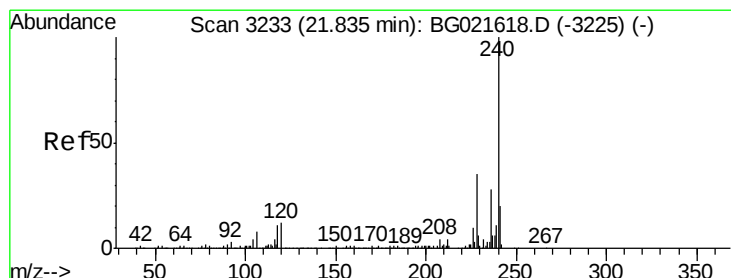
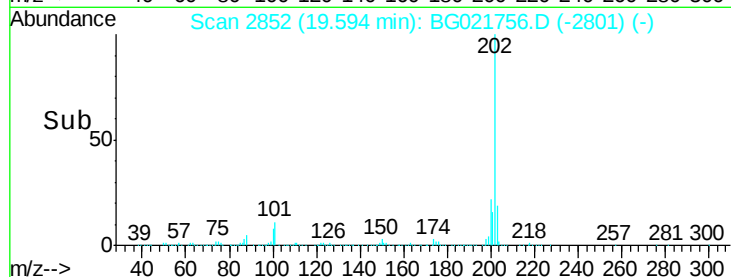
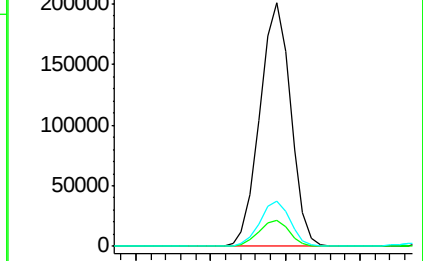
Tgt Ion:	202	Resp:	287094
Ion Ratio	Lower	Upper	
202	100		
101	10.9	0.0	31.0
203	18.7	0.0	37.9



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

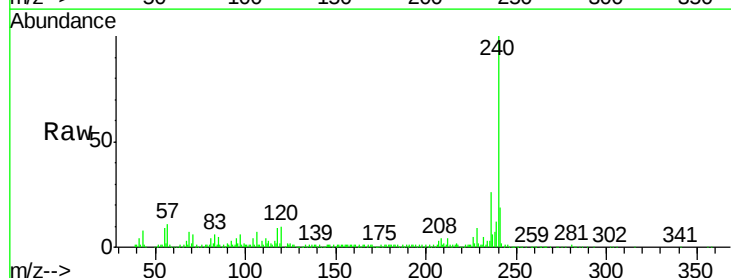
RT: 21.83 min Scan# 3233

Delta R.T. -0.00 min

Lab File: BG021756.D

Acq: 19 Apr 2016 5:36

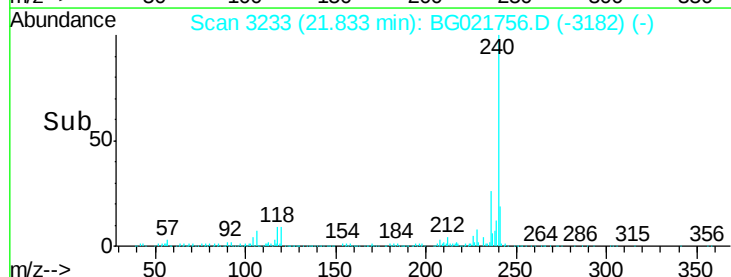
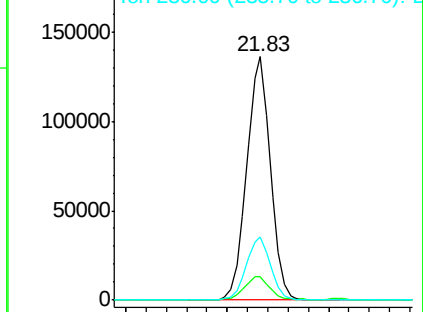
Tgt Ion:	240	Resp:	220253
Ion Ratio	Lower	Upper	
240	100		
120	9.8	8.4	12.6
236	26.0	19.6	29.4

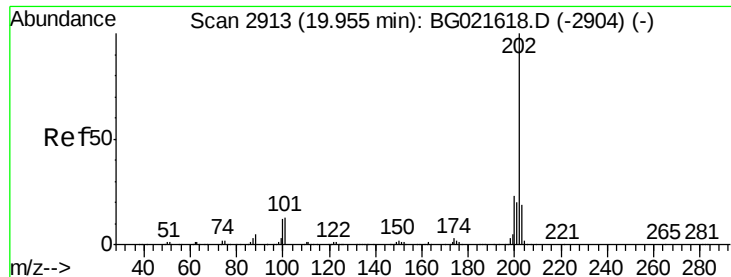


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 17.71 ng

RT: 19.95 min Scan# 2913

Delta R.T. -0.00 min

Lab File: BG021756.D

Acq: 19 Apr 2016 5:36

Instrument :

BNA_G

ClientSampleId :

POST-EX-DUP1-20160412

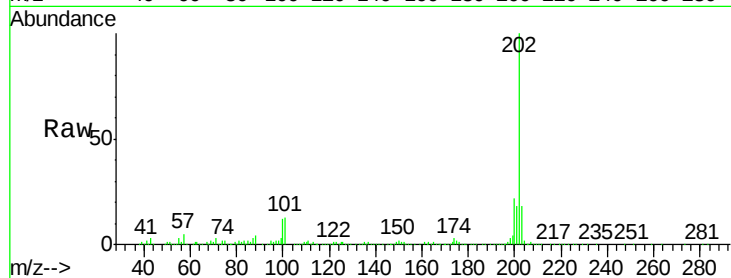
Tgt Ion:202 Resp: 224899

Ion Ratio Lower Upper

202 100

200 22.3 18.2 27.2

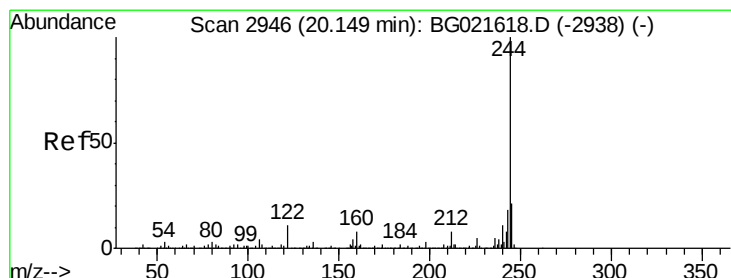
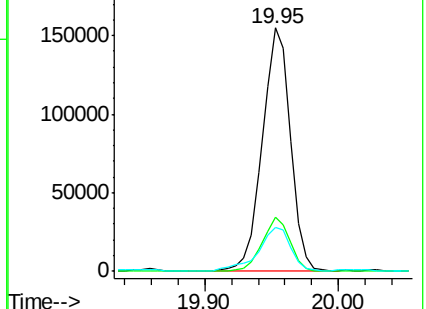
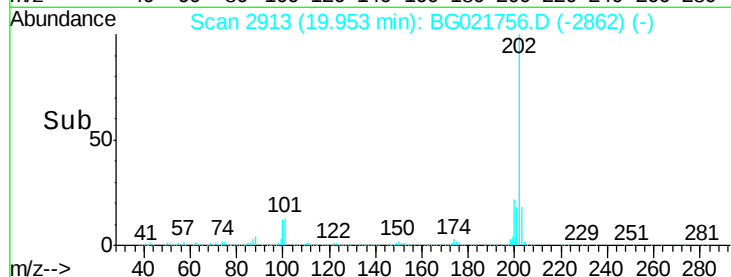
203 17.9 15.0 22.4



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: 67.36 ng

RT: 20.14 min Scan# 2945

Delta R.T. -0.01 min

Lab File: BG021756.D

Acq: 19 Apr 2016 5:36

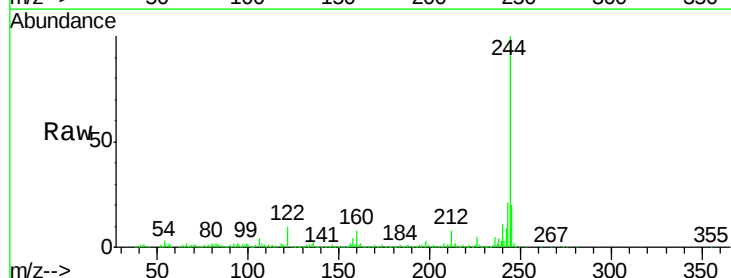
Tgt Ion:244 Resp: 594577

Ion Ratio Lower Upper

244 100

212 8.1 6.5 9.7

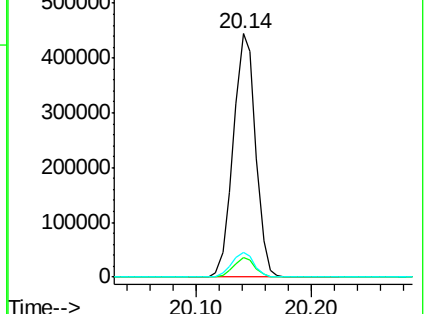
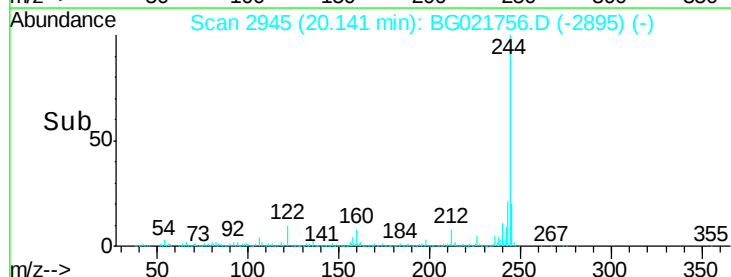
122 10.3 8.6 12.8

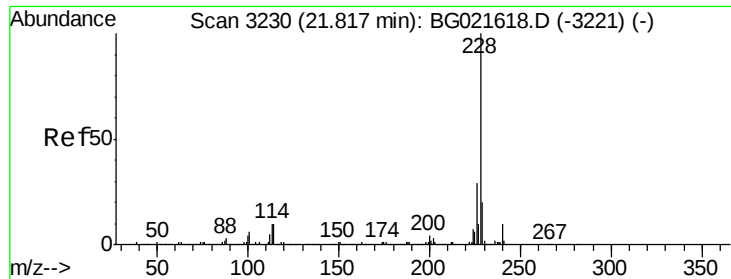


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 9.35 ng

RT: 21.81 min Scan# 3229

Delta R.T. -0.01 min

Lab File: BG021756.D

Acq: 19 Apr 2016 5:36

Instrument :

BNA_G

ClientSampleId :

POST-EX-DUP1-20160412

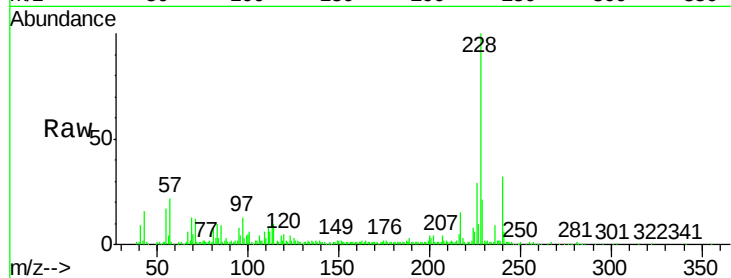
Tgt Ion:228 Resp: 118541

Ion Ratio Lower Upper

228 100

226 28.7 22.6 34.0

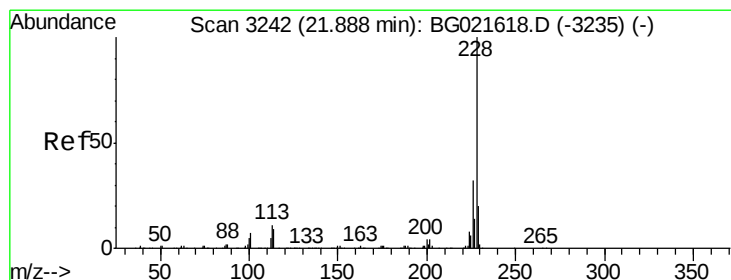
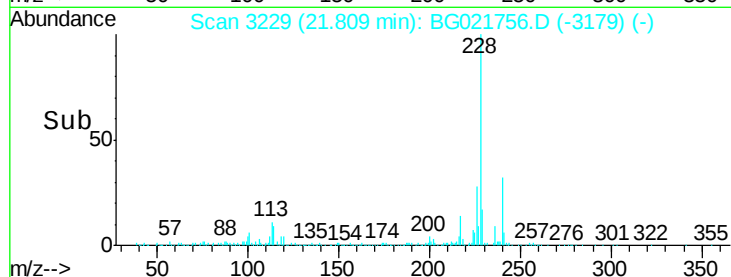
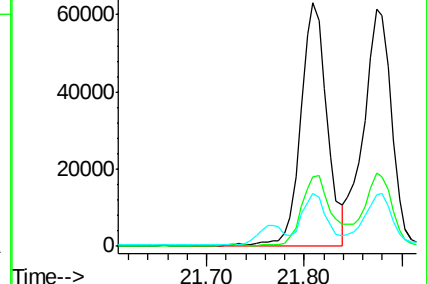
229 21.5 16.1 24.1



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: 10.02 ng

RT: 21.87 min Scan# 3240

Delta R.T. -0.01 min

Lab File: BG021756.D

Acq: 19 Apr 2016 5:36

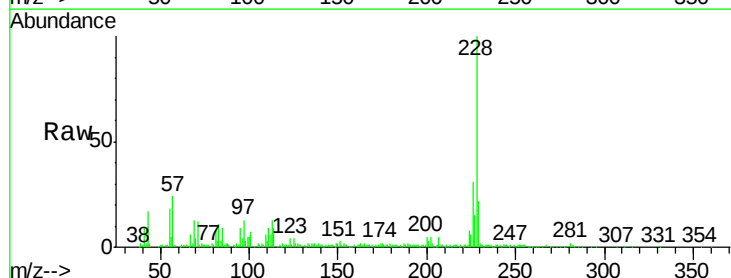
Tgt Ion:228 Resp: 122011

Ion Ratio Lower Upper

228 100

226 31.0 25.4 38.0

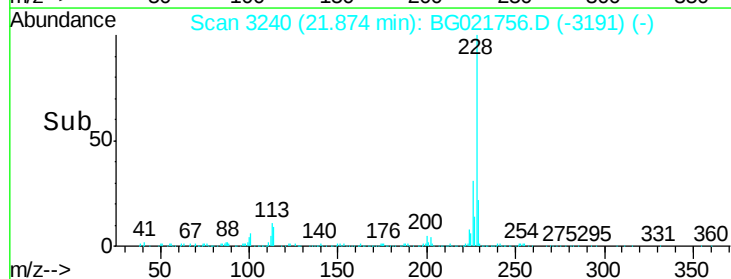
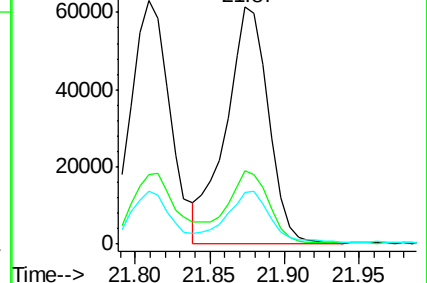
229 22.1 15.9 23.9

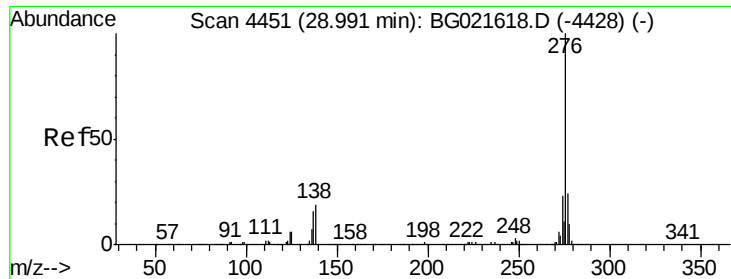


Abundance Ion 228.00 (227.70 to 228.70): E

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: 4.90 ng

RT: 28.98 min Scan# 4450

Delta R.T. -0.01 min

Lab File: BG021756.D

Acq: 19 Apr 2016 5:36

Instrument :

BNA_G

ClientSampleId :

POST-EX-DUP1-20160412

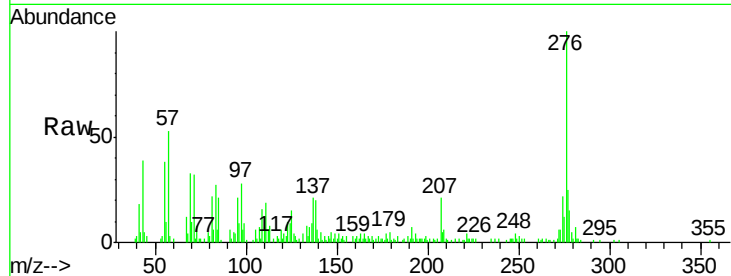
Tgt Ion:276 Resp: 70995

Ion Ratio Lower Upper

276 100

138 19.1 14.0 21.0

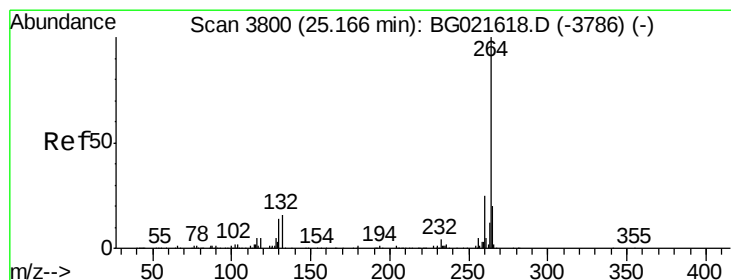
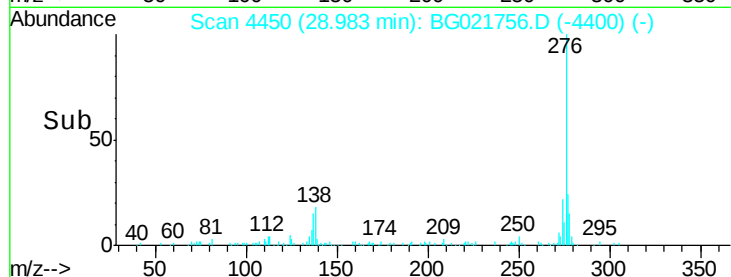
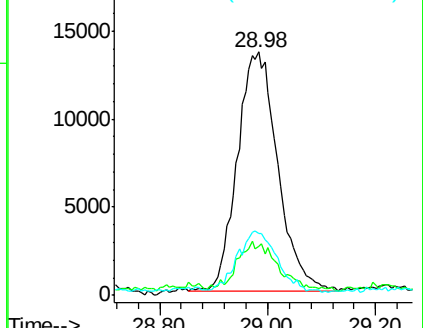
277 22.7 20.6 30.8



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: 25.17 min Scan# 3801

Delta R.T. 0.00 min

Lab File: BG021756.D

Acq: 19 Apr 2016 5:36

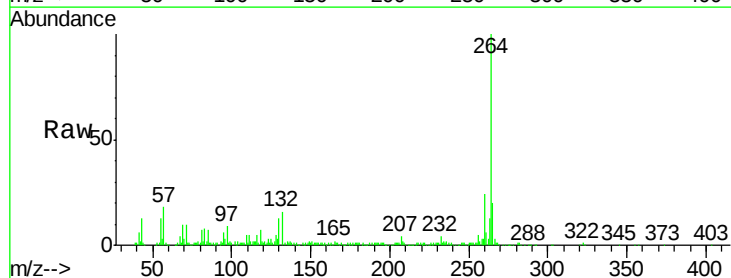
Tgt Ion:264 Resp: 220774

Ion Ratio Lower Upper

264 100

260 24.4 20.2 30.4

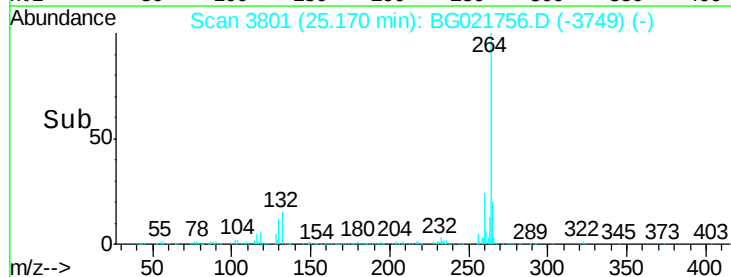
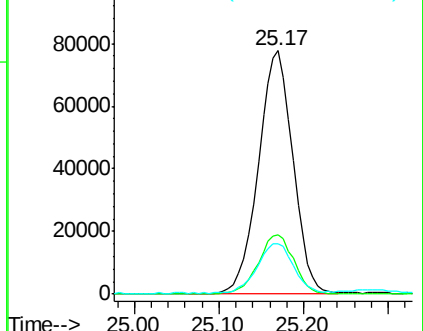
265 20.5 17.8 26.8

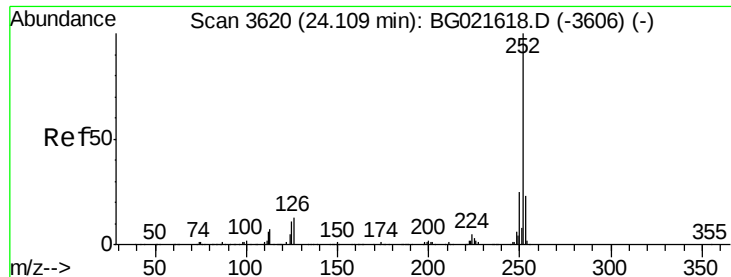


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 11.97 ng

RT: 24.11 min Scan# 3620

Delta R.T. -0.00 min

Lab File: BG021756.D

Acq: 19 Apr 2016 5:36

Instrument :

BNA_G

ClientSampleId :

POST-EX-DUP1-20160412

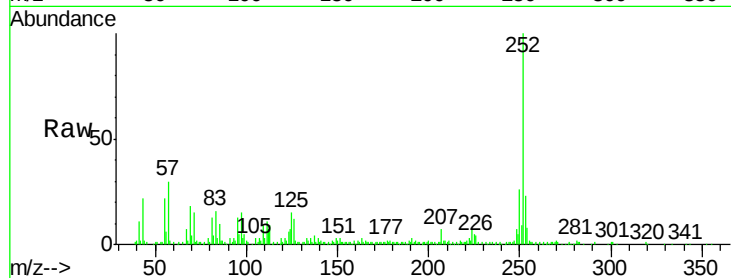
Tgt Ion:252 Resp: 153336

Ion Ratio Lower Upper

252 100

253 23.2 17.5 26.3

125 14.7 8.6 13.0#

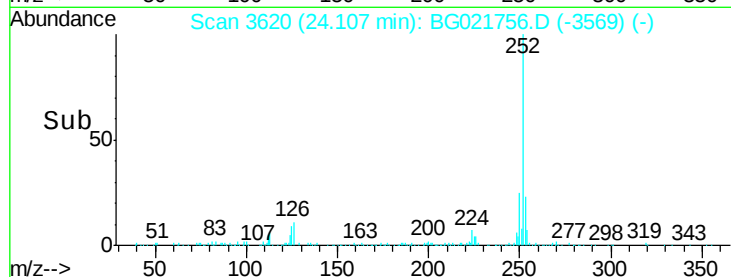


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

Time-->



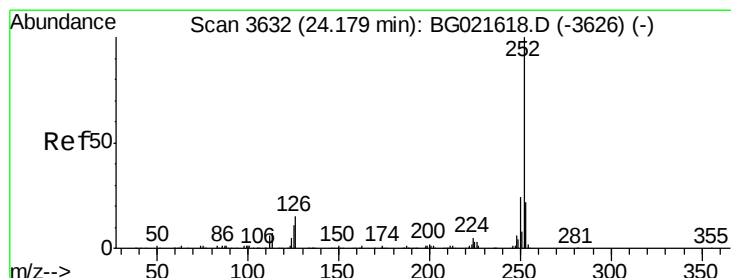
Abundance

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-->



#88

Benzo(k)fluoranthene

Concen: 12.24 ng

RT: 24.11 min Scan# 3620

Delta R.T. -0.07 min

Lab File: BG021756.D

Acq: 19 Apr 2016 5:36

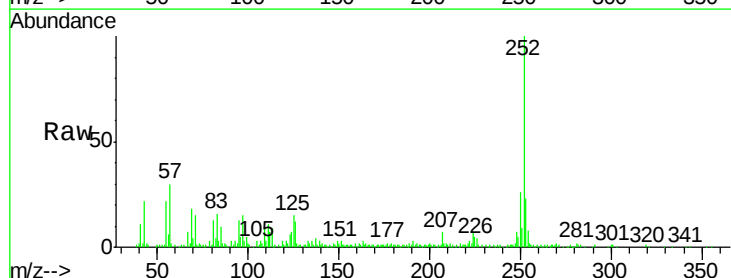
Tgt Ion:252 Resp: 153336

Ion Ratio Lower Upper

252 100

253 23.2 17.8 26.8

125 14.7 8.3 12.5#

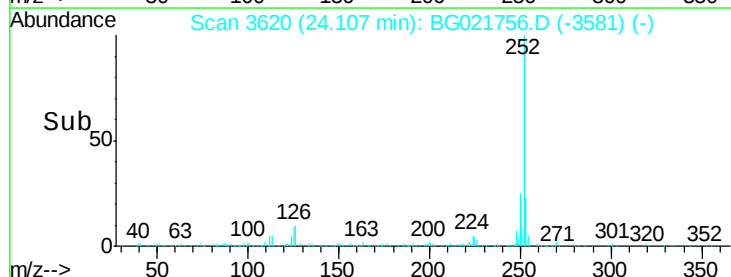


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

Time-->



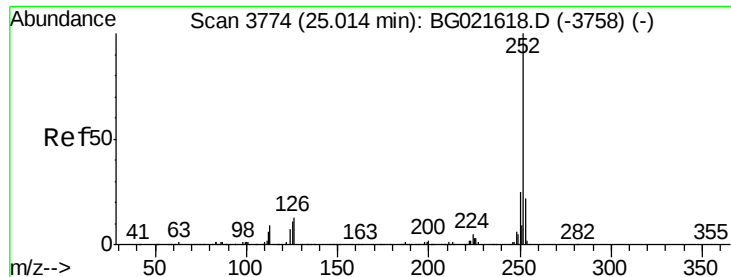
Abundance

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

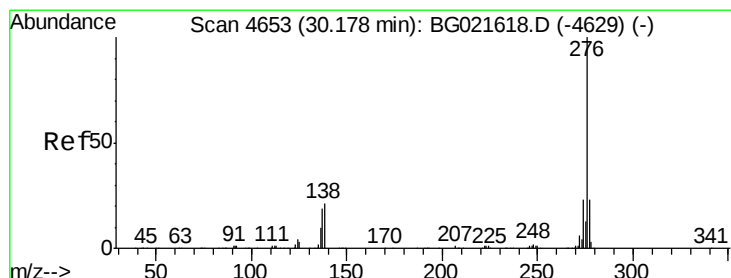
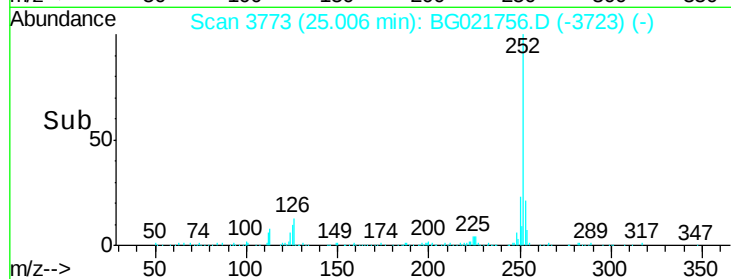
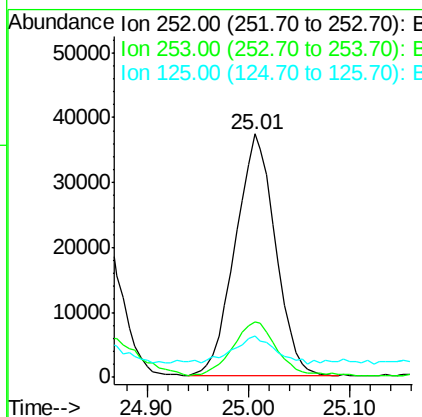
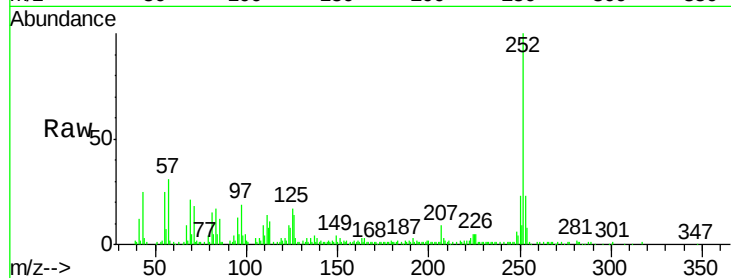
Time-->



#89
Benzo(a)pyrene
Concen: 8.21 ng
RT: 25.01 min Scan# 3773
Delta R.T. -0.01 min
Lab File: BG021756.D
Acq: 19 Apr 2016 5:36

Instrument :
BNA_G
ClientSampleId :
POST-EX-DUP1-20160412

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.1	25.7
125	16.8	9.6	14.4



#91
Benzo(g,h,i)perylene
Concen: 5.11 ng
RT: 30.18 min Scan# 4653
Delta R.T. -0.00 min
Lab File: BG021756.D
Acq: 19 Apr 2016 5:36

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.4	19.4	29.2
138	23.1	17.4	26.0

