

Data Path : Z:\HPCHEM1\BNA G\DATA\BG041916\
 Data File : BG021758.D
 Acq On : 19 Apr 2016 6:55
 Operator : UM/SJ
 Sample : H2503-07
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 POST-EX-22-20160412

Quant Time: Apr 19 11:45:38 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

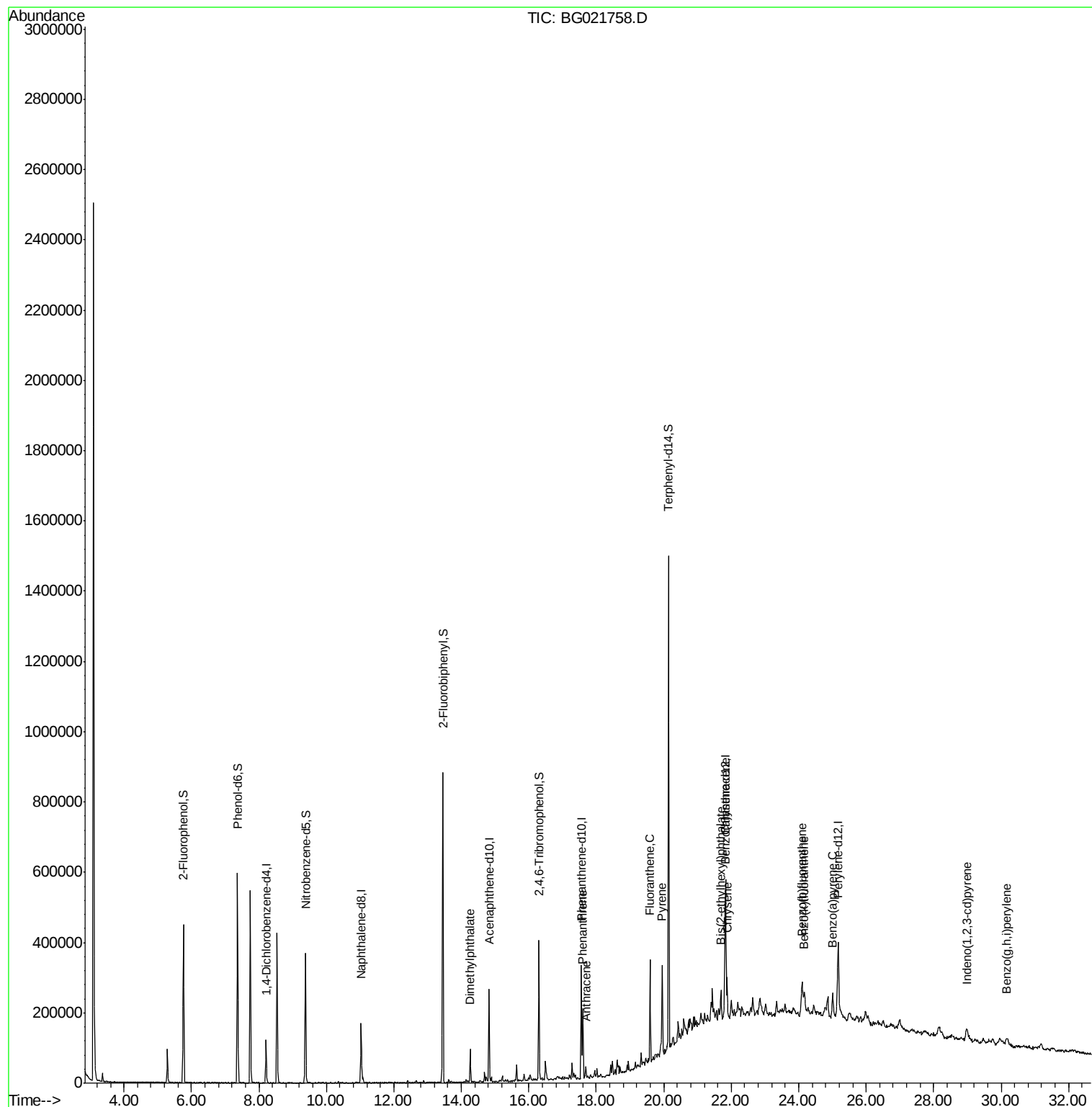
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.21	152	33579	20.00	ng	-0.01
21) Naphthalene-d8	11.03	136	152343	20.00	ng	0.00
38) Acenaphthene-d10	14.82	164	91822	20.00	ng	0.00
63) Phenanthrene-d10	17.56	188	198658	20.00	ng	0.00
75) Chrysene-d12	21.83	240	220215	20.00	ng	0.00
86) Perylene-d12	25.17	264	221076	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.76	112	195674	97.04	ng	0.00
7) Phenol-d6	7.36	99	366000	121.51	ng	0.00
23) Nitrobenzene-d5	9.38	82	233468	78.77	ng	0.00
41) 2,4,6-Tribromophenol	16.30	330	72691	73.45	ng	0.00
44) 2-Fluorobiphenyl	13.45	172	471300	75.20	ng	0.00
78) Terphenyl-d14	20.14	244	596215	67.56	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	14.26	163	63306	7.97	ng	99
70) Phenanthrene	17.60	178	120641	11.02	ng	98
71) Anthracene	17.69	178	22892	2.06	ng	99
74) Fluoranthene	19.59	202	172163	13.17	ng	100
77) Pyrene	19.95	202	164852	12.98	ng	98
80) Benzo(a)anthracene	21.81	228	85603	6.75	ng	98
82) Chrysene	21.88	228	81849	6.72	ng	98
83) Bis(2-ethylhexyl)phthalate	21.69	149	21970	2.55	ng	# 96
85) Indeno(1,2,3-cd)pyrene	28.99	276	47590	3.29	ng	# 89
87) Benzo(b)fluoranthene	24.10	252	98441	7.67	ng	# 94
88) Benzo(k)fluoranthene	24.16	252	38727m	3.09	ng	
89) Benzo(a)pyrene	25.00	252	75406	6.07	ng	# 93
91) Benzo(a,h,i)perylene	30.17	276	46534	3.81	ng	97

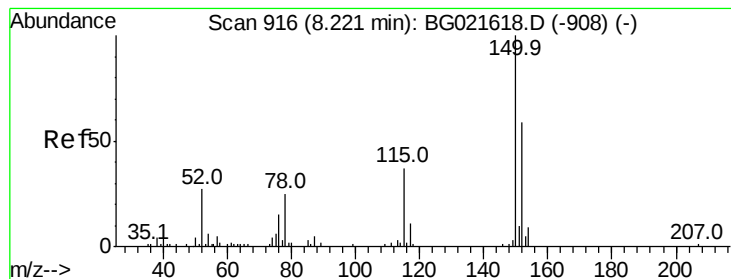
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BG021758.D

Acq: 19 Apr 2016 6:55

Instrument :

BNA_G

ClientSampleId :

POST-EX-22-20160412

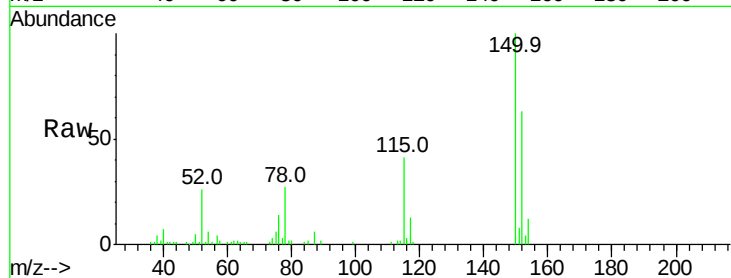
Tot Ion:152 Resp: 33579

Ion Ratio Lower Upper

152 100

150 158.8 130.1 195.1

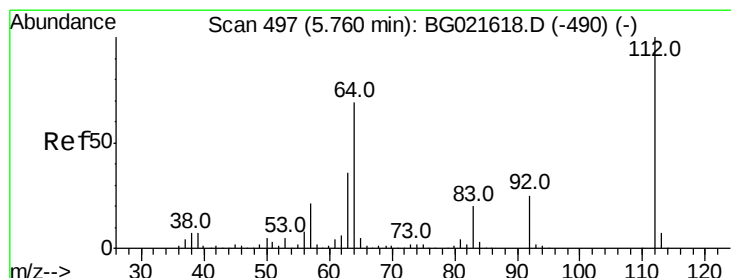
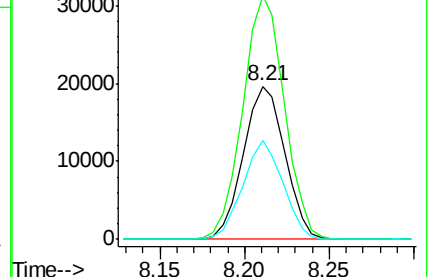
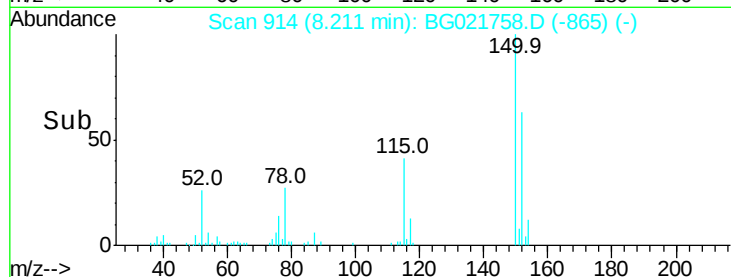
115 64.7 62.2 93.2



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: 97.04 ng

RT: 5.76 min Scan# 497

Delta R.T. 0.00 min

Lab File: BG021758.D

Acq: 19 Apr 2016 6:55

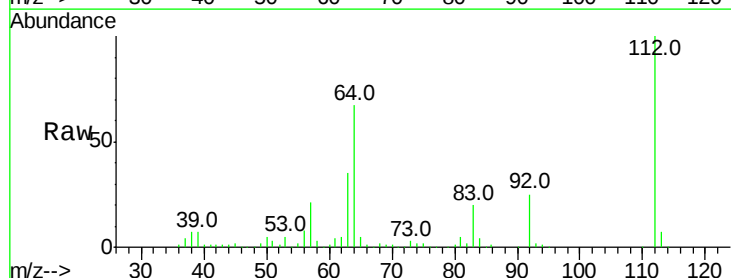
Tgt Ion:112 Resp: 195674

Ion Ratio Lower Upper

112 100

64 66.9 51.1 76.7

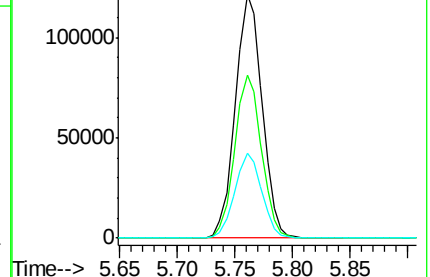
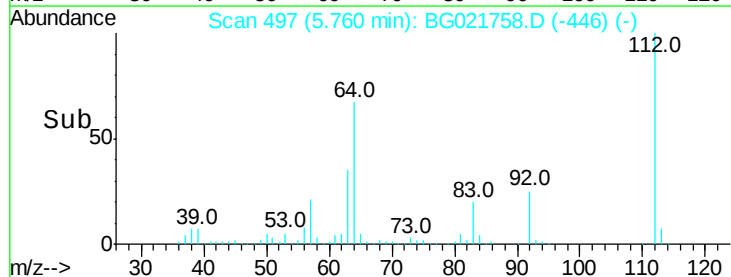
63 34.9 24.6 37.0

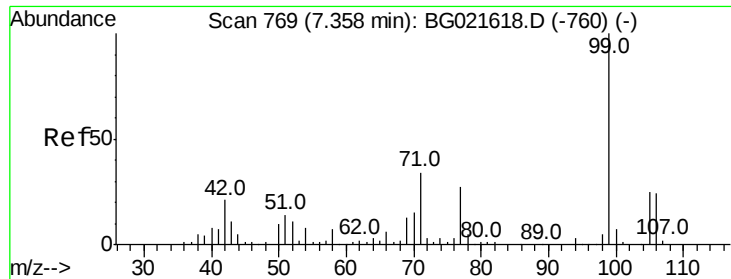


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 121.51 ng

RT: 7.36 min Scan# 770

Delta R.T. 0.01 min

Lab File: BG021758.D

Acq: 19 Apr 2016 6:55

Instrument :

BNA_G

ClientSampleId :

POST-EX-22-20160412

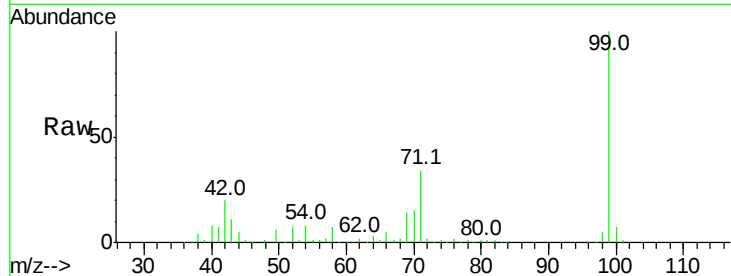
Tot Ion: 99 Resp: 366000

Ion Ratio Lower Upper

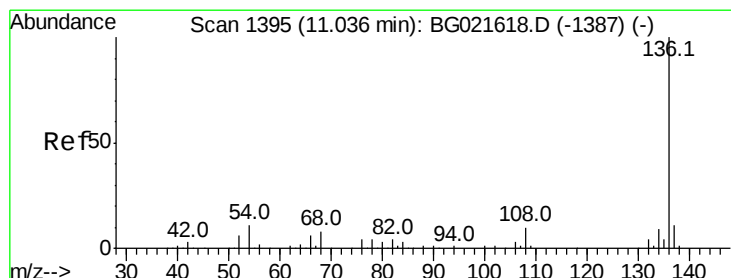
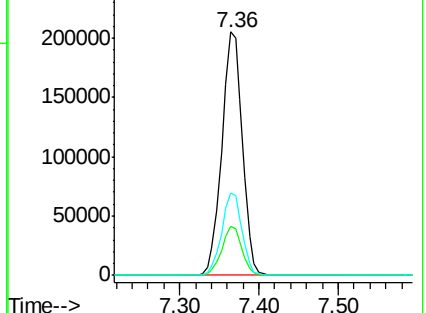
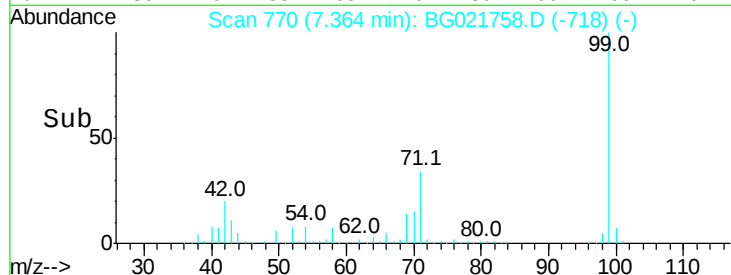
99 100

42 19.9 16.4 24.6

71 33.8 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: BG021758.D

Acq: 19 Apr 2016 6:55

Tgt Ion: 136 Resp: 152343

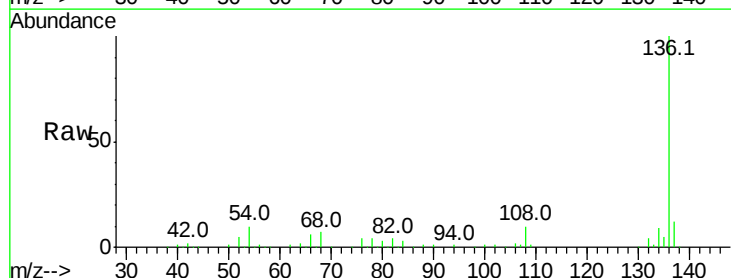
Ion Ratio Lower Upper

136 100

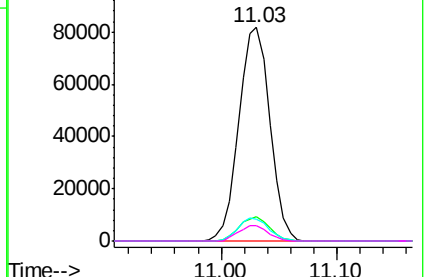
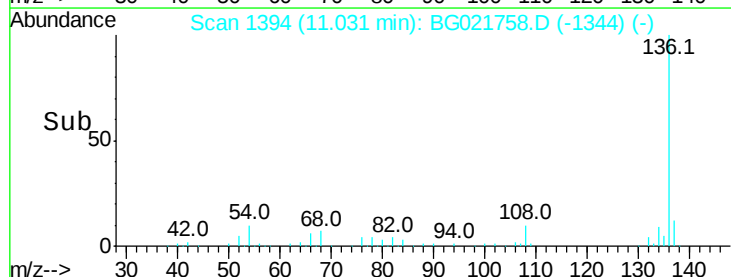
137 11.7 9.0 13.4

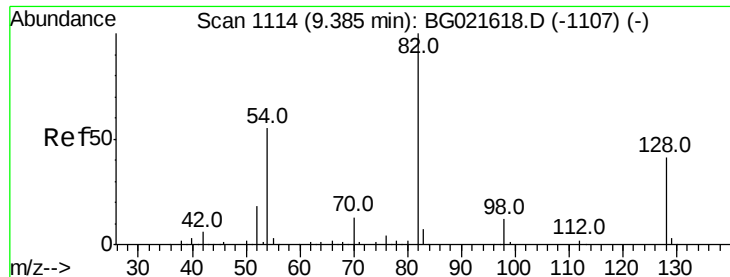
54 10.0 9.6 14.4

68 6.9 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

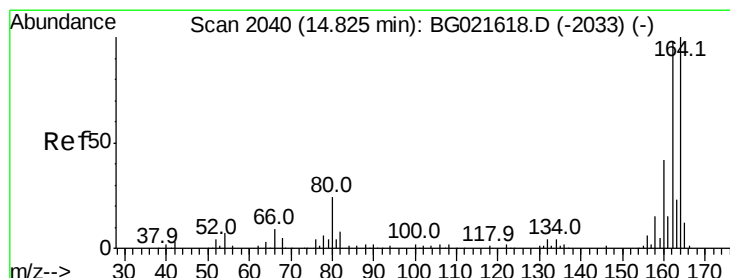
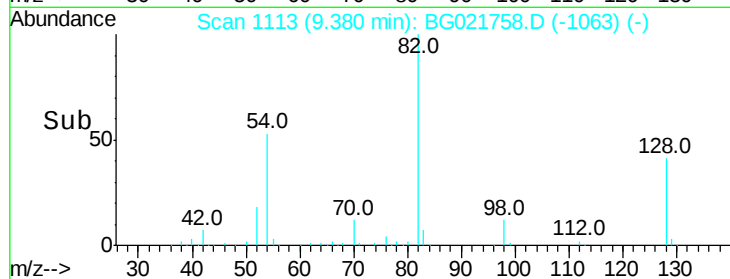
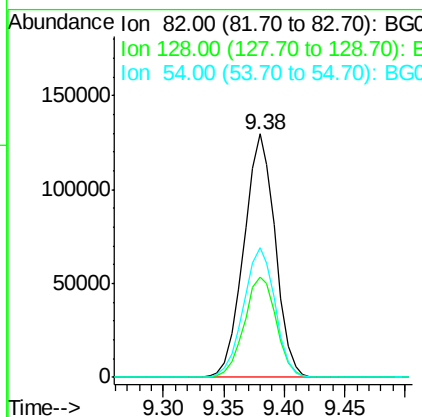
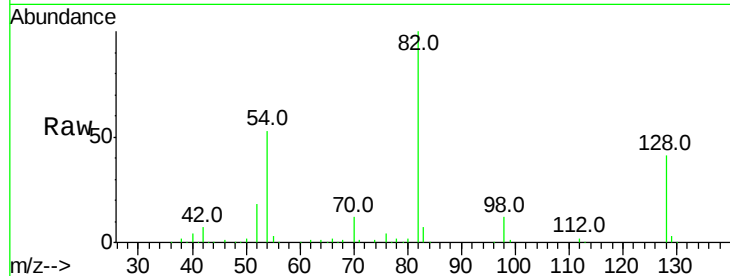




#23
 Nitrobenzene-d5
 Concen: 78.77 ng
 RT: 9.38 min Scan# 1113
 Delta R.T. -0.01 min
 Lab File: BG021758.D
 Acq: 19 Apr 2016 6:55

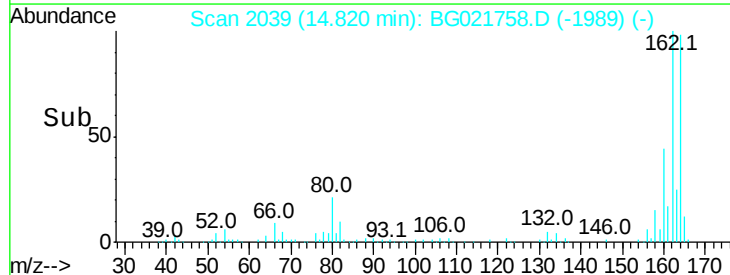
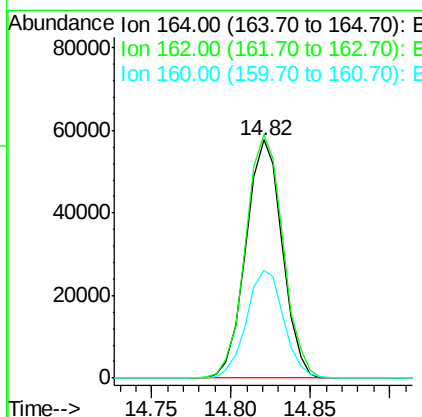
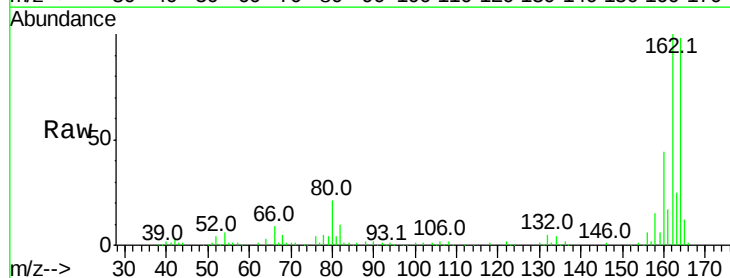
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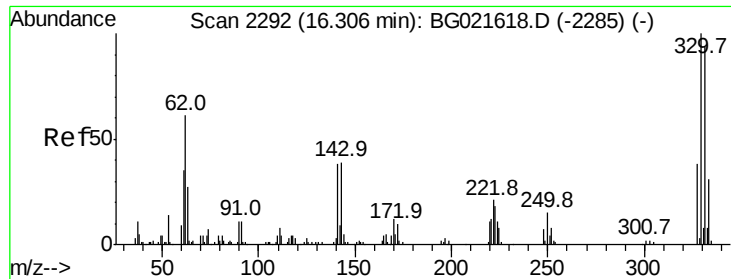
Tot Ion	82	Resp	233468
Ion Ratio	100	Lower	Upper
128	41.1	33.4	50.0
54	53.3	46.1	69.1



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.82 min Scan# 2039
 Delta R.T. -0.01 min
 Lab File: BG021758.D
 Acq: 19 Apr 2016 6:55

Tgt Ion	164	Resp	91822
Ion Ratio	100	Lower	Upper
162	102.2	78.0	117.0
160	45.3	32.9	49.3

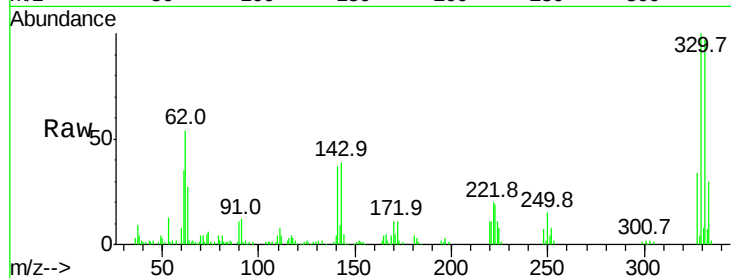




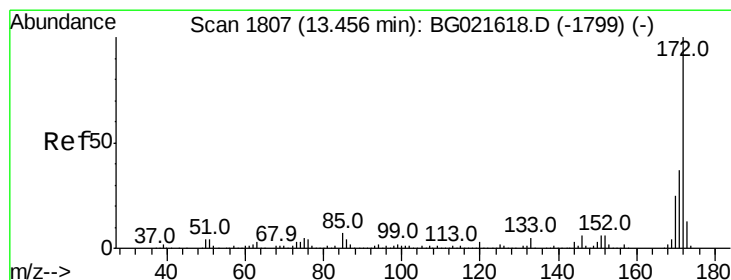
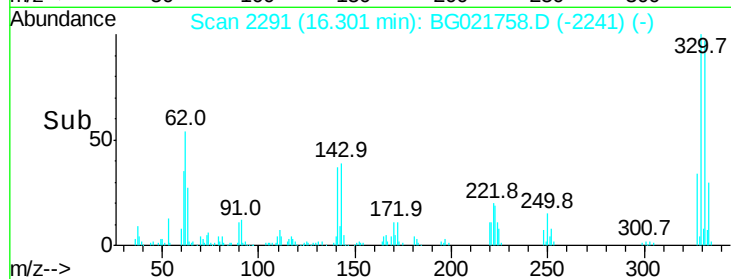
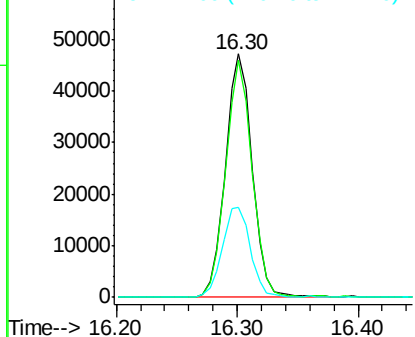
#41
 2,4,6-Tribromophenol
 Concen: 73.45 ng
 RT: 16.30 min Scan# 2291
 Delta R.T. -0.01 min
 Lab File: BG021758.D
 Acq: 19 Apr 2016 6:55

Instrument :
 BNA_G
 ClientSampleId :
 POST-EX-22-20160412

Tot Ion:330 Resp: 72691
 Ion Ratio Lower Upper
 330 100
 332 95.9 78.0 117.0
 141 39.2 33.8 50.8

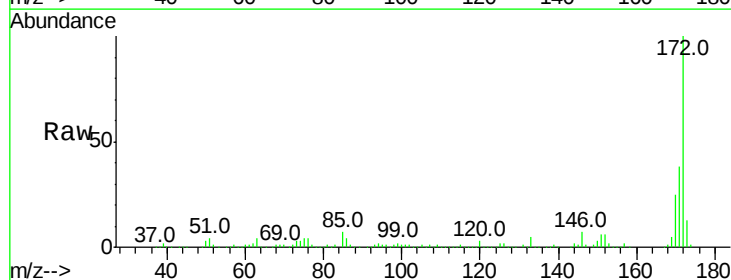


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

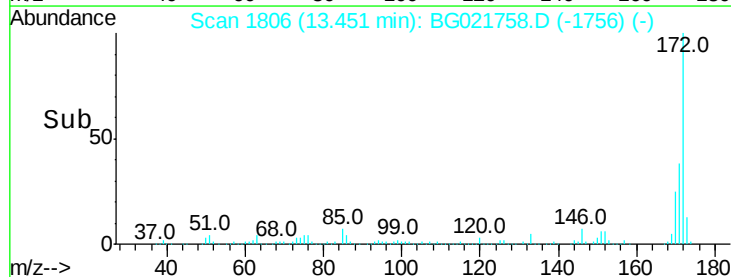
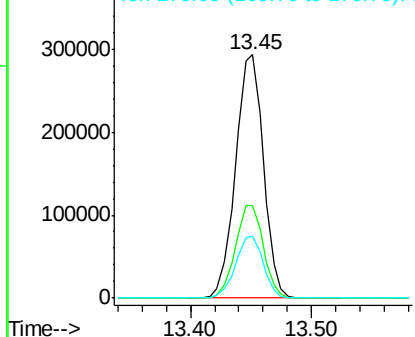


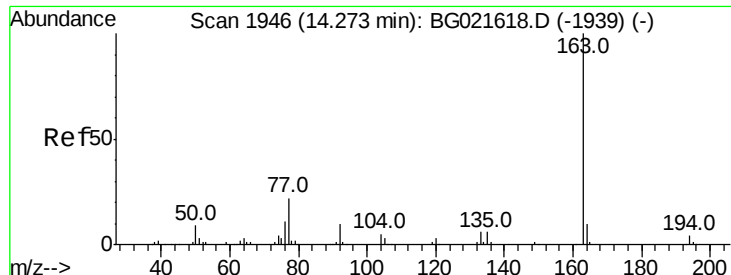
#44
 2-Fluorobiphenyl
 Concen: 75.20 ng
 RT: 13.45 min Scan# 1806
 Delta R.T. -0.01 min
 Lab File: BG021758.D
 Acq: 19 Apr 2016 6:55

Tgt Ion:172 Resp: 471300
 Ion Ratio Lower Upper
 172 100
 171 38.1 27.8 41.6
 170 25.2 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

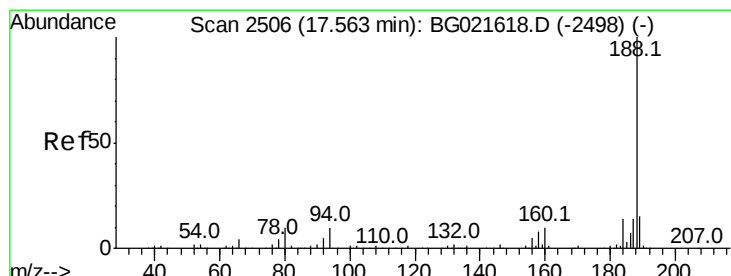
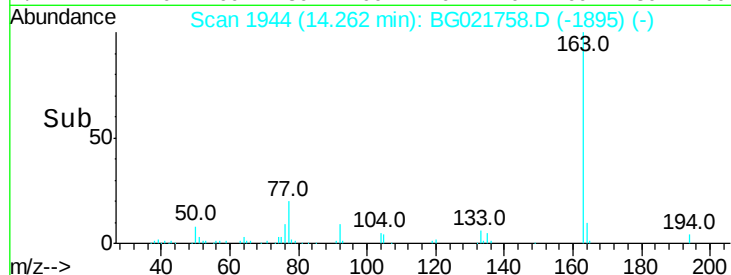
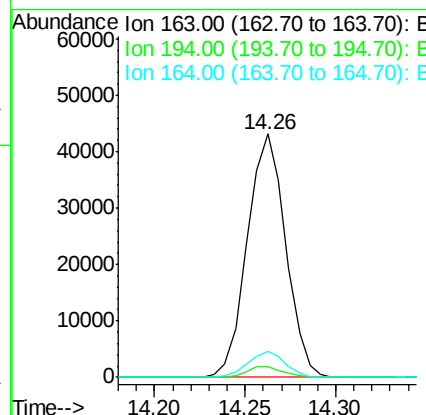
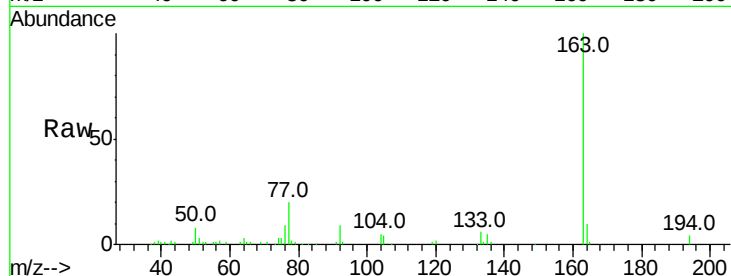




#49
Dimethylphthalate
Concen: 7.97 ng
RT: 14.26 min Scan# 1944
Delta R.T. -0.01 min
Lab File: BG021758.D
Acq: 19 Apr 2016 6:55

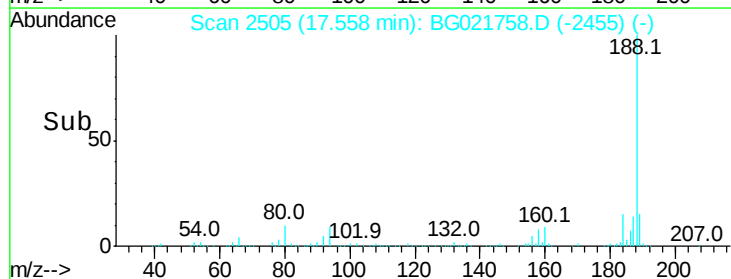
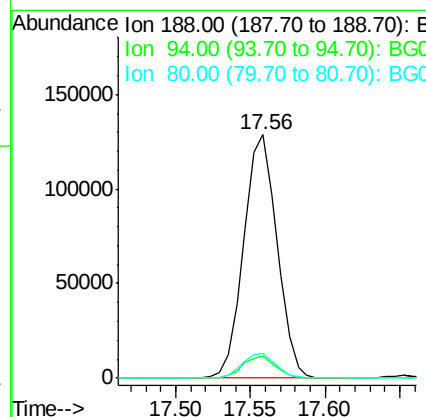
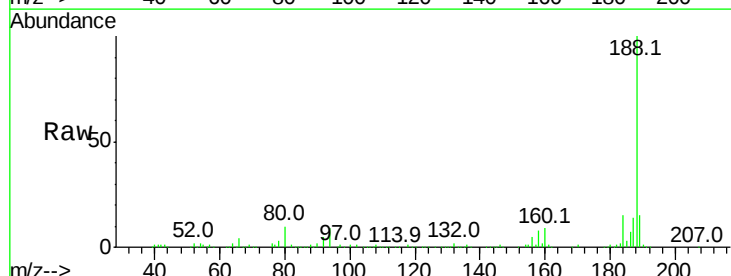
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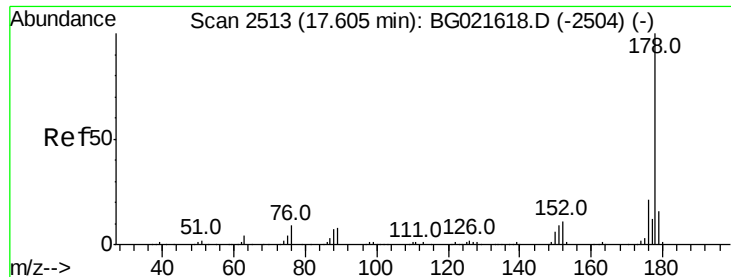
Tot Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.0	4.6
164	10.5	8.1	12.1



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.56 min Scan# 2505
Delta R.T. -0.01 min
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Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.9	7.5	11.3
80	10.1	8.6	13.0

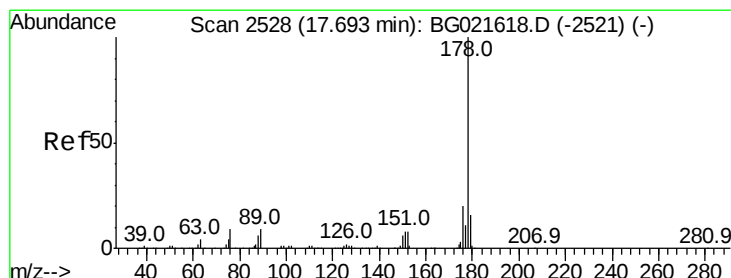
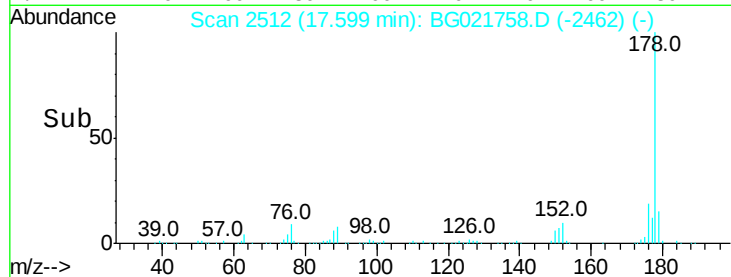
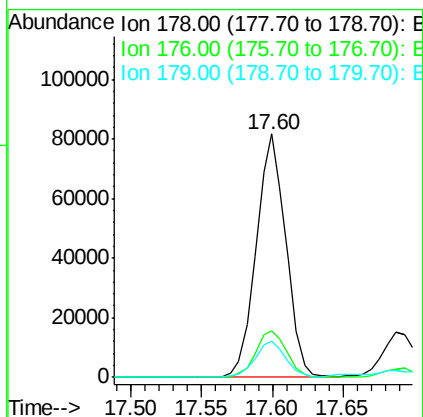
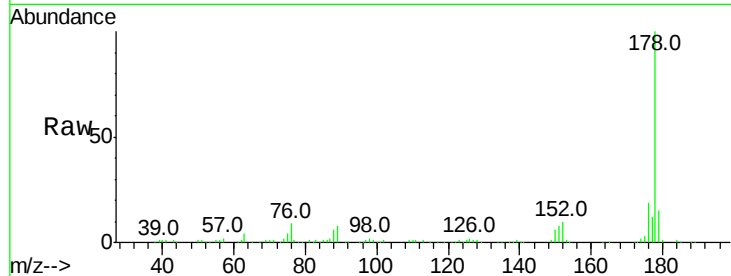




#70
 Phenanthrene
 Concen: 11.02 ng
 RT: 17.60 min Scan# 2512
 Delta R.T. -0.01 min
 Lab File: BG021758.D
 Acq: 19 Apr 2016 6:55

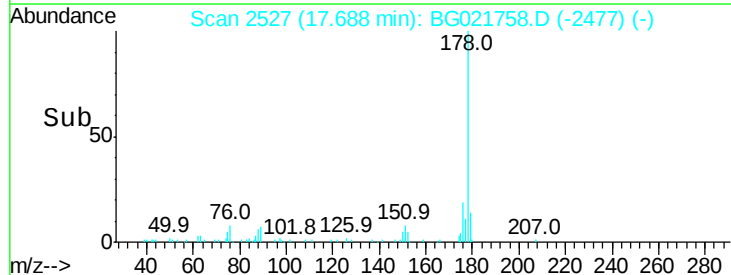
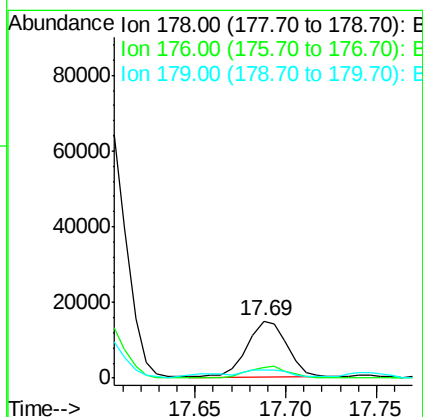
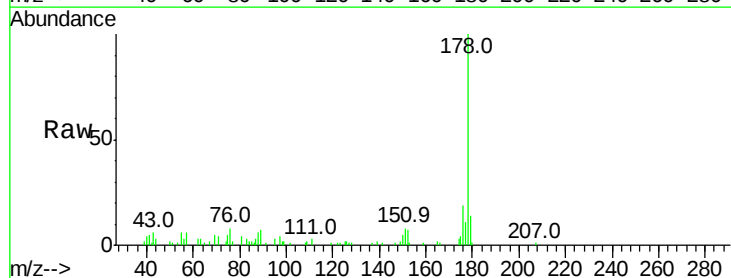
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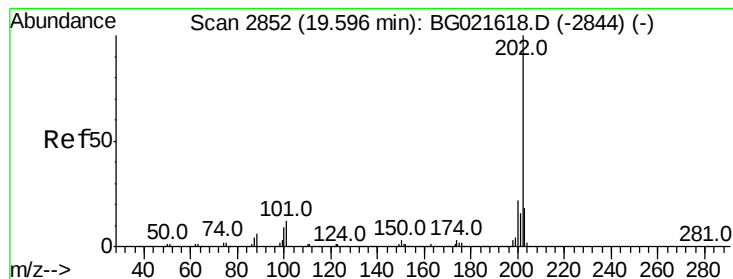
Tot Ion:178 Resp: 120641
 Ion Ratio Lower Upper
 178 100
 176 18.9 16.2 24.4
 179 15.0 12.0 18.0



#71
 Anthracene
 Concen: 2.06 ng
 RT: 17.69 min Scan# 2527
 Delta R.T. -0.01 min
 Lab File: BG021758.D
 Acq: 19 Apr 2016 6:55

Tgt Ion:178 Resp: 22892
 Ion Ratio Lower Upper
 178 100
 176 18.8 15.0 22.4
 179 14.4 12.2 18.4





#74

Fluoranthene

Concen: 13.17 ng

RT: 19.59 min Scan# 2851

Delta R.T. -0.01 min

Lab File: BG021758.D

Acq: 19 Apr 2016 6:55

Instrument :

BNA_G

ClientSampleId :

POST-EX-22-20160412

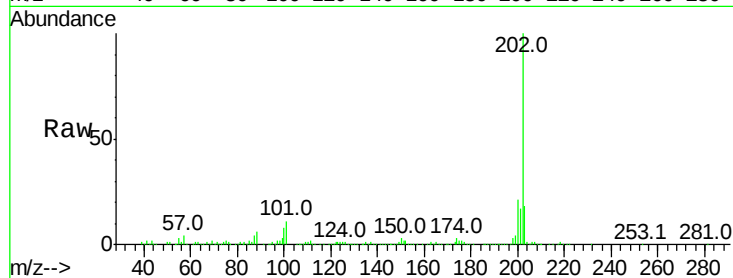
Tot Ion:202 Resp: 172163

Ion Ratio Lower Upper

202 100

101 11.0 0.0 31.0

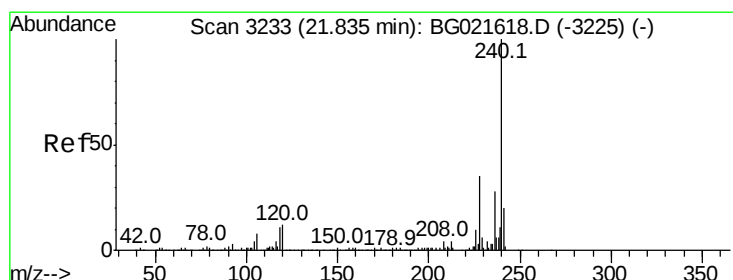
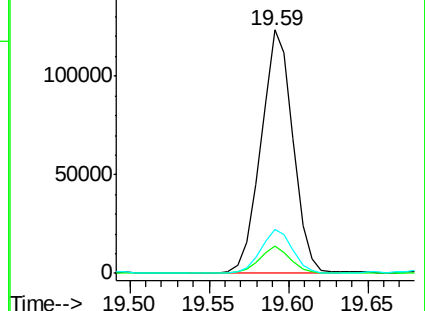
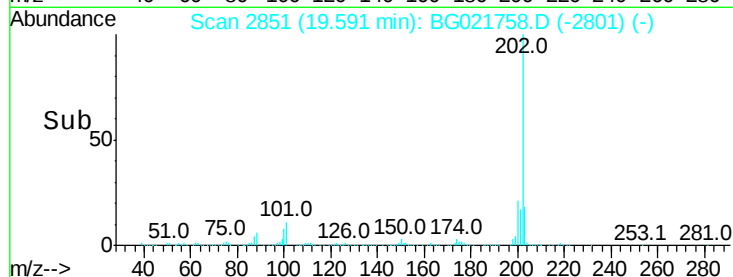
203 17.9 0.0 37.9



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. -0.01 min

Lab File: BG021758.D

Acq: 19 Apr 2016 6:55

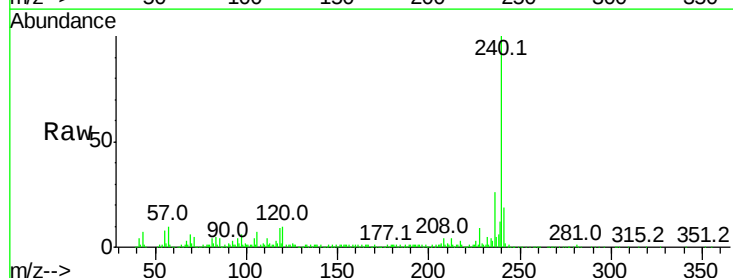
Tgt Ion:240 Resp: 220215

Ion Ratio Lower Upper

240 100

120 9.7 8.4 12.6

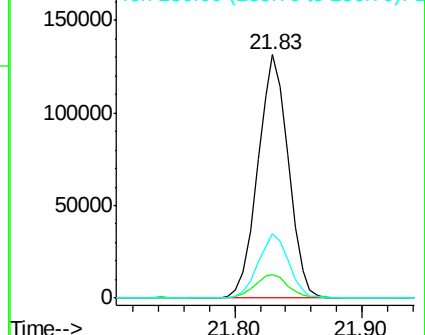
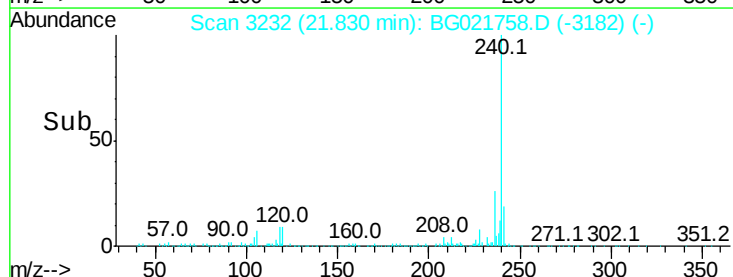
236 26.4 19.6 29.4

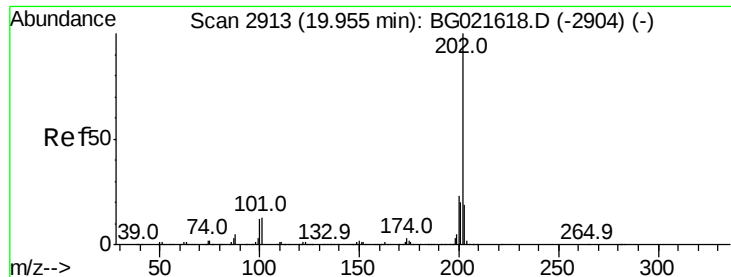


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 12.98 ng

RT: 19.95 min Scan# 2912

Delta R.T. -0.01 min

Lab File: BG021758.D

Acq: 19 Apr 2016 6:55

Instrument :

BNA_G

ClientSampleId :

POST-EX-22-20160412

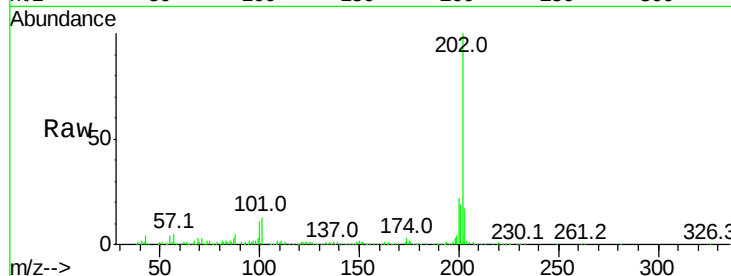
Tot Ion:202 Resp: 164852

Ion Ratio Lower Upper

202 100

200 22.0 18.2 27.2

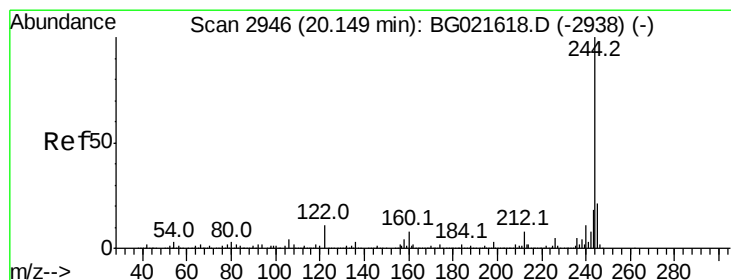
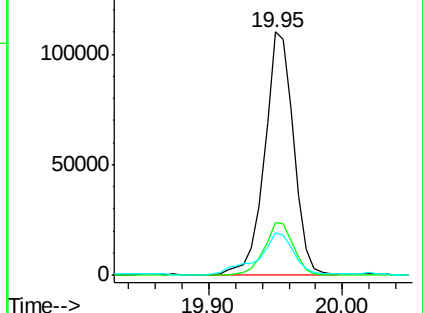
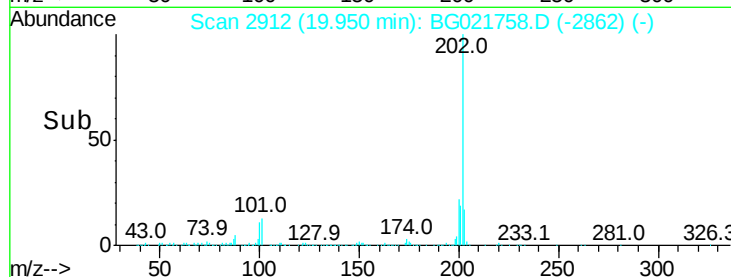
203 17.3 15.0 22.4



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: 67.56 ng

RT: 20.14 min Scan# 2945

Delta R.T. -0.01 min

Lab File: BG021758.D

Acq: 19 Apr 2016 6:55

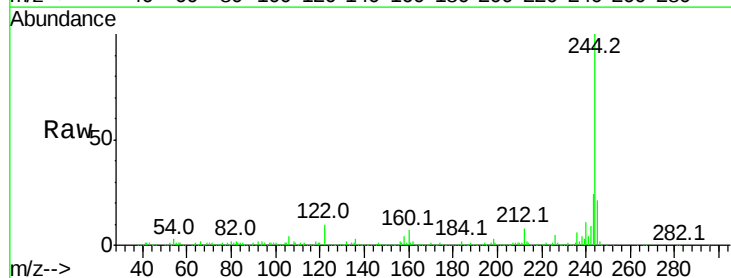
Tgt Ion:244 Resp: 596215

Ion Ratio Lower Upper

244 100

212 8.0 6.5 9.7

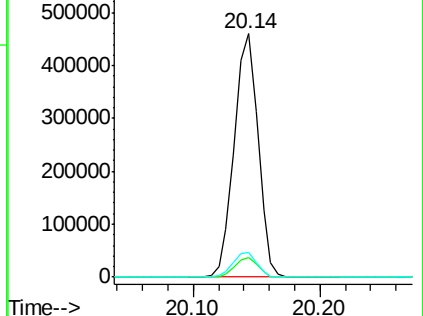
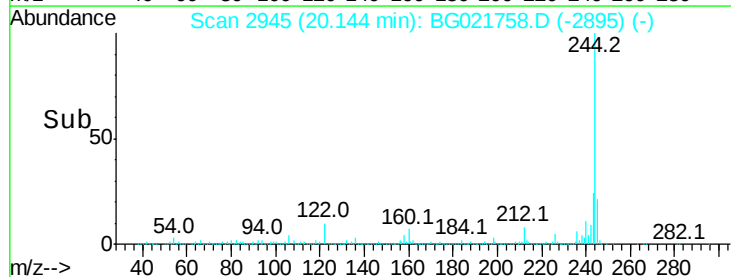
122 10.0 8.6 12.8

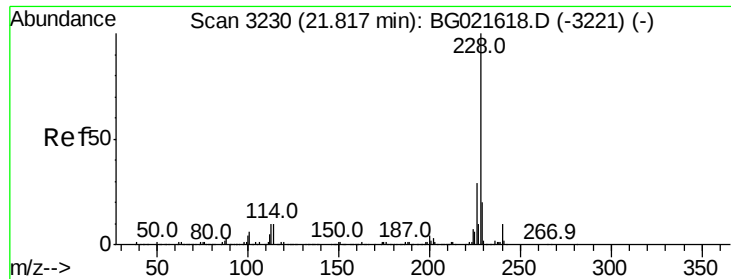


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

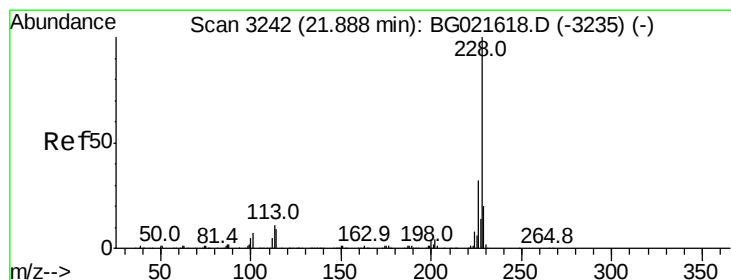
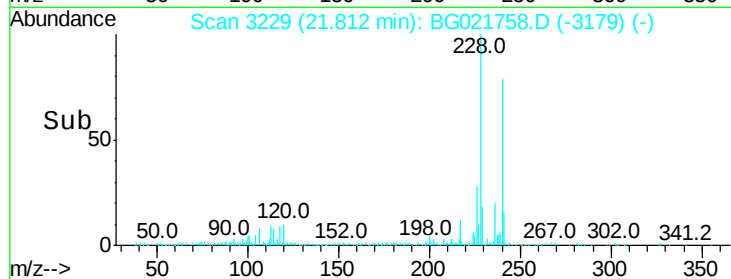
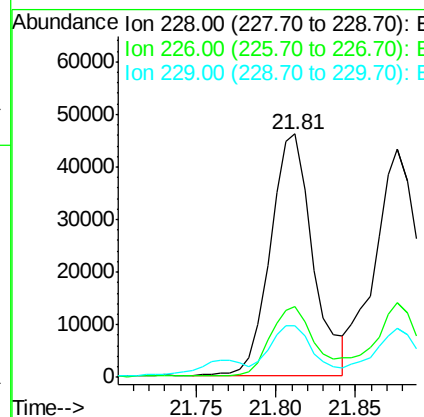
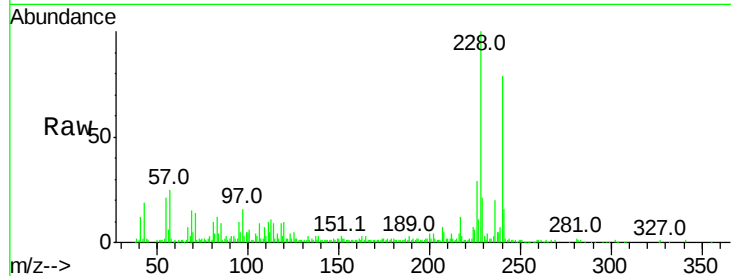




#80
Benzo(a)anthracene
Concen: 6.75 ng
RT: 21.81 min Scan# 3229
Delta R.T. -0.01 min
Lab File: BG021758.D
Acq: 19 Apr 2016 6:55

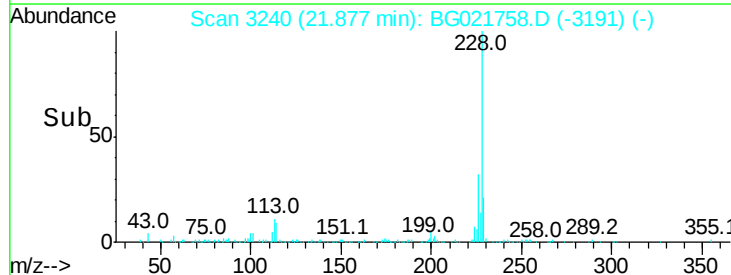
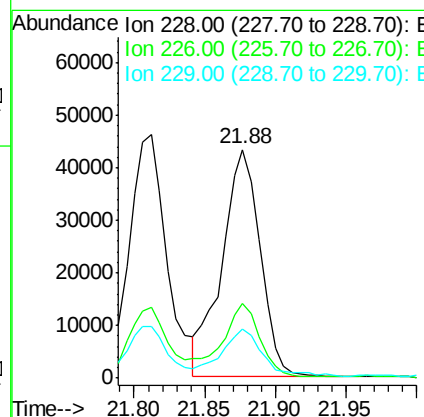
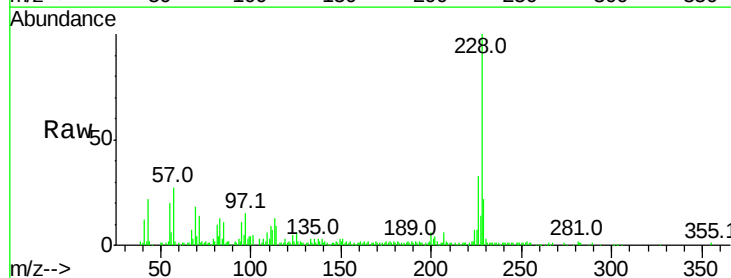
Instrument :
BNA_G
ClientSampleId :
POST-EX-22-20160412

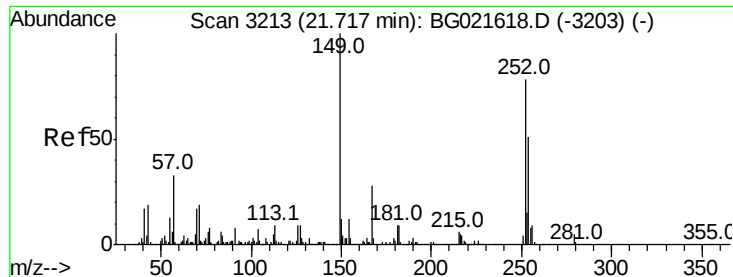
Tot Ion:228 Resp: 85603
Ion Ratio Lower Upper
228 100
226 29.1 22.6 34.0
229 21.4 16.1 24.1



#82
Chrysene
Concen: 6.72 ng
RT: 21.88 min Scan# 3240
Delta R.T. -0.01 min
Lab File: BG021758.D
Acq: 19 Apr 2016 6:55

Tgt Ion:228 Resp: 81849
Ion Ratio Lower Upper
228 100
226 32.6 25.4 38.0
229 21.6 15.9 23.9

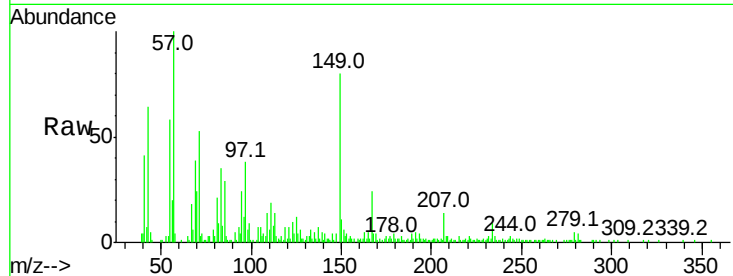




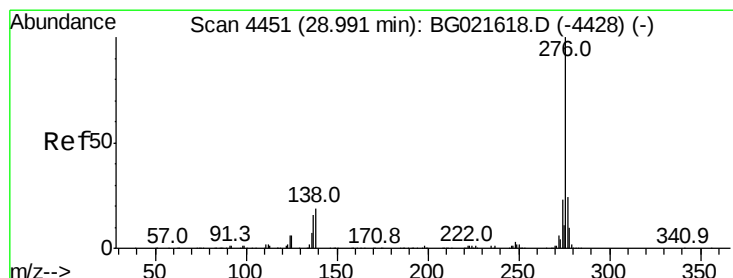
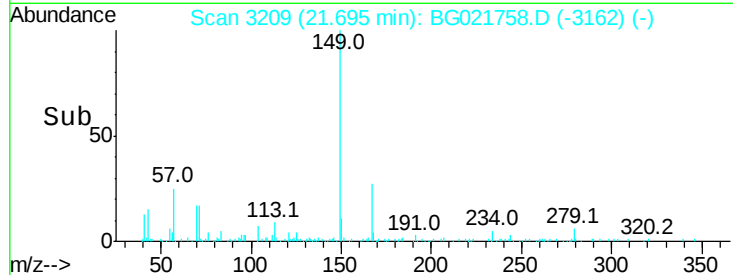
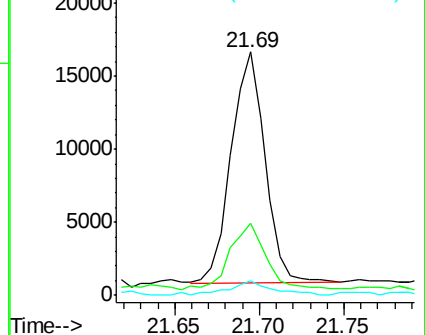
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 2.55 ng
 RT: 21.69 min Scan# 3209
 Delta R.T. -0.02 min
 Lab File: BG021758.D
 Acq: 19 Apr 2016 6:55

Instrument :
 BNA_G
 ClientSampleId :
 POST-EX-22-20160412

Tot Ion:149 Resp: 21970
 Ion Ratio Lower Upper
 149 100
 167 29.8 22.4 33.6
 279 6.1 3.2 4.8#

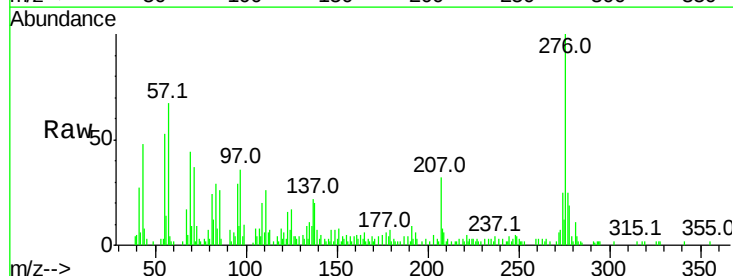


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

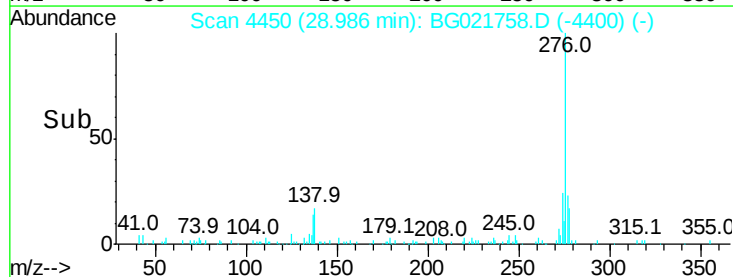
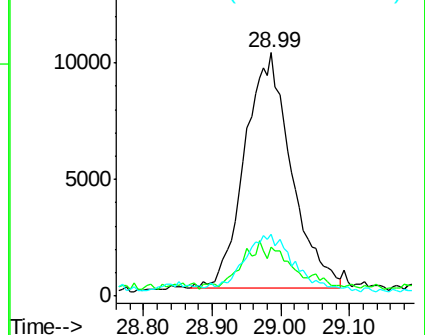


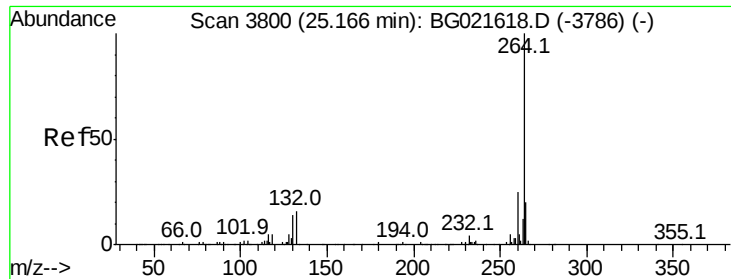
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.29 ng
 RT: 28.99 min Scan# 4450
 Delta R.T. -0.01 min
 Lab File: BG021758.D
 Acq: 19 Apr 2016 6:55

Tgt Ion:276 Resp: 47590
 Ion Ratio Lower Upper
 276 100
 138 9.4 14.0 21.0#
 277 22.5 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: BG021758.D

Acq: 19 Apr 2016 6:55

Instrument :

BNA_G

ClientSampleId :

POST-EX-22-20160412

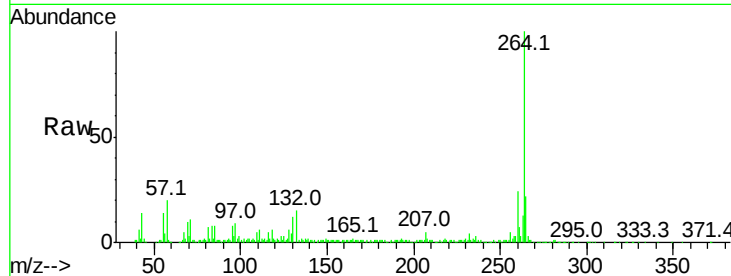
Tot Ion:264 Resp: 221076

Ion Ratio Lower Upper

264 100

260 23.9 20.2 30.4

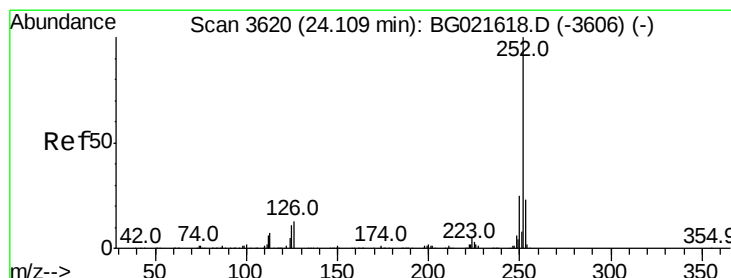
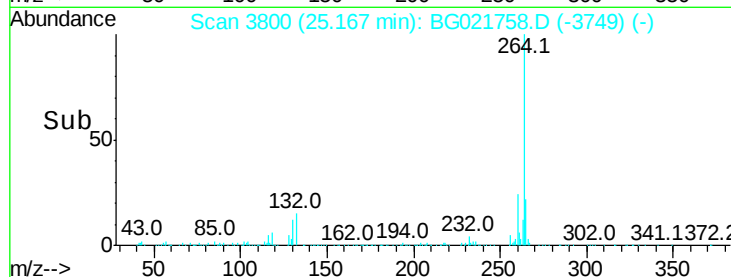
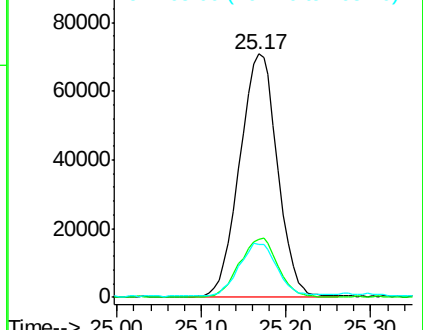
265 21.9 17.8 26.8



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#87

Benzo(b)fluoranthene

Concen: 7.67 ng

RT: 24.10 min Scan# 3618

Delta R.T. -0.01 min

Lab File: BG021758.D

Acq: 19 Apr 2016 6:55

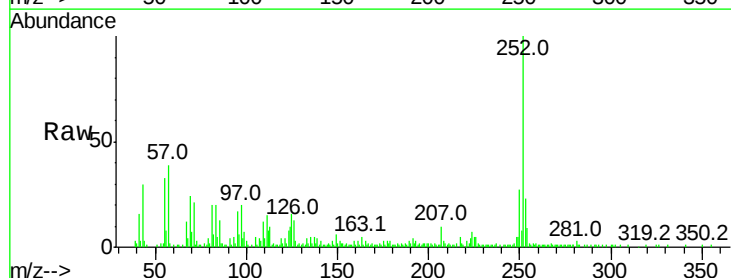
Tgt Ion:252 Resp: 98441

Ion Ratio Lower Upper

252 100

253 22.9 17.5 26.3

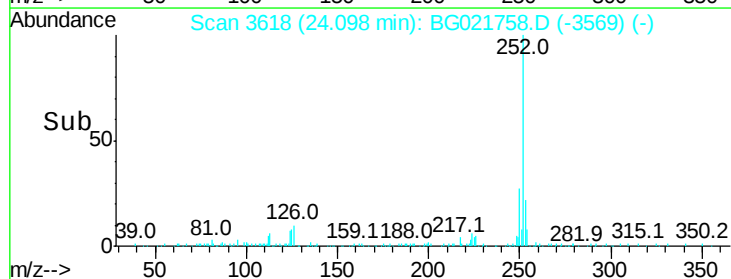
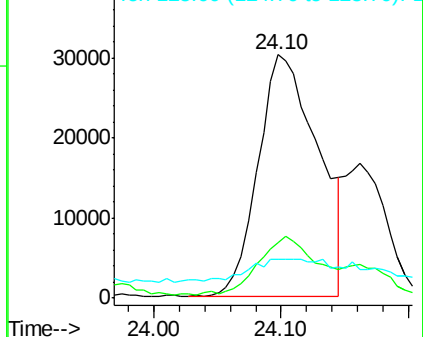
125 15.8 8.6 13.0#

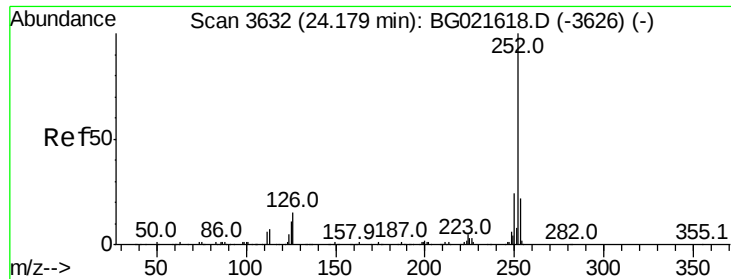


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 3.09 ng/mL

RT: 24.16 min Scan# 3629

Delta R.T. -0.02 min

Lab File: BG021758.D

Acq: 19 Apr 2016 6:55

Instrument :

BNA_G

ClientSampleId :

POST-EX-22-20160412

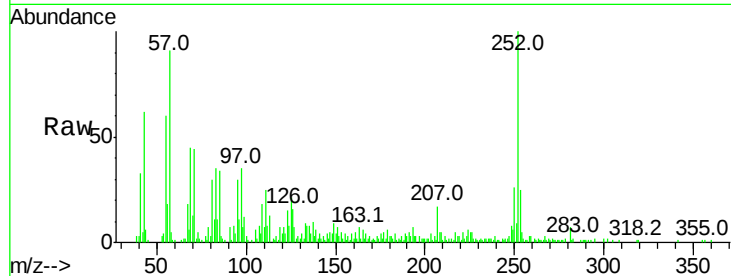
Tot Ion:252 Resp: 38727

Ion Ratio Lower Upper

252 100

253 24.8 17.8 26.8

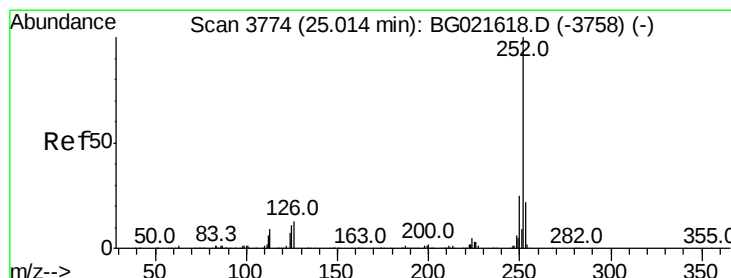
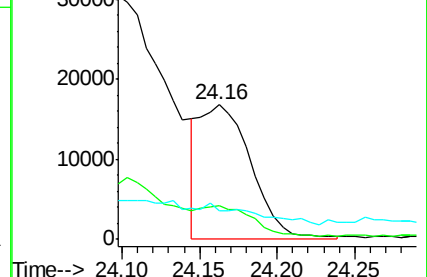
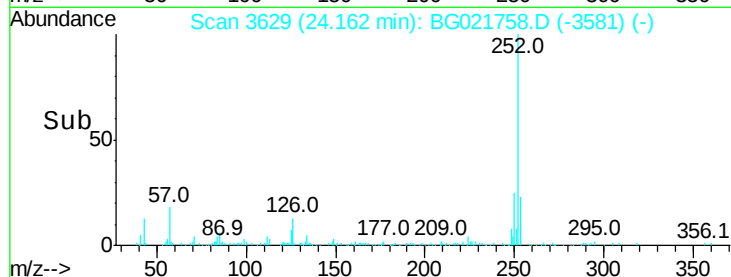
125 20.9 8.3 12.5#



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



#89

Benzo(a)pyrene

Concen: 6.07 ng/mL

RT: 25.00 min Scan# 3772

Delta R.T. -0.01 min

Lab File: BG021758.D

Acq: 19 Apr 2016 6:55

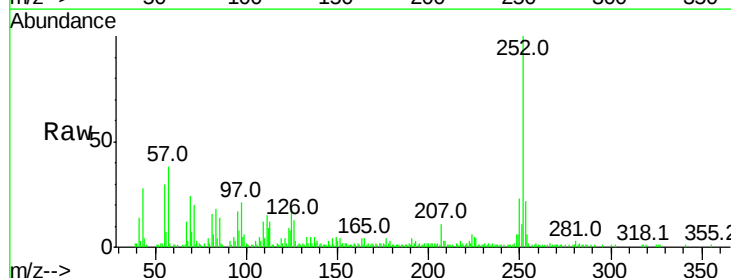
Tgt Ion:252 Resp: 75406

Ion Ratio Lower Upper

252 100

253 22.0 17.1 25.7

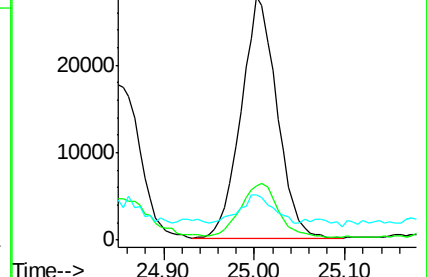
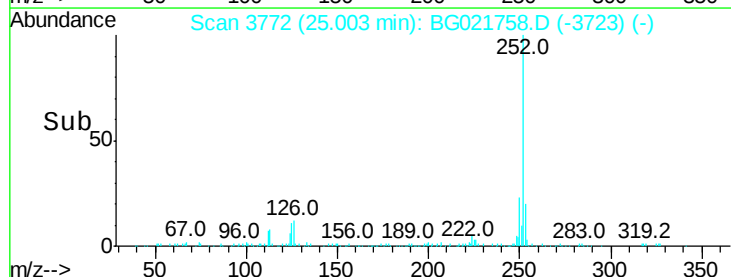
125 18.7 9.6 14.4#

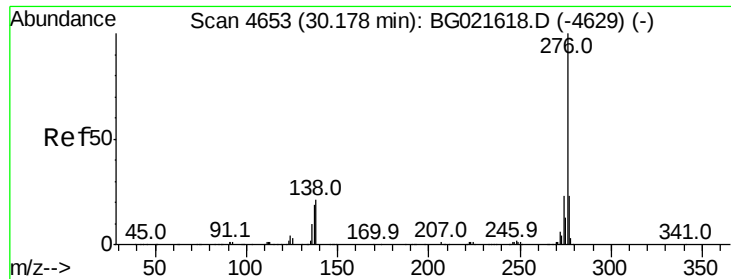


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a,h,i)perylene

Concen: 3.81 ng

RT: 30.17 min Scan# 4651

Delta R.T. -0.01 min

Lab File: BG021758.D

Acq: 19 Apr 2016 6:55

Instrument :

BNA_G

ClientSampleId :

POST-EX-22-20160412

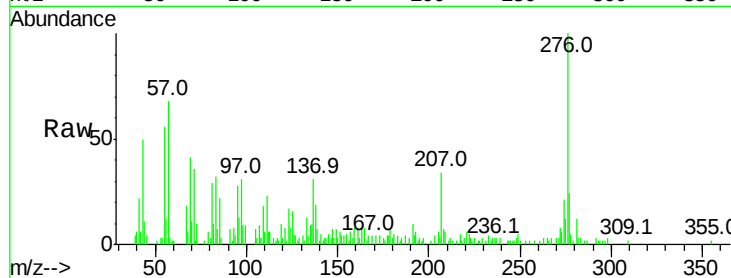
Tot Ion: 276 Resp: 46534

Ion Ratio Lower Upper

276 100

277 24.2 19.4 29.2

138 18.6 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

