

Data Path : Z:\HPCHEM1\BNA G\DATA\BG041916\
 Data File : BG021751.D
 Acq On : 19 Apr 2016 2:17
 Operator : UM/SJ
 Sample : H2503-02
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 POST-EX-20-20160412

Quant Time: Apr 19 03:40:27 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

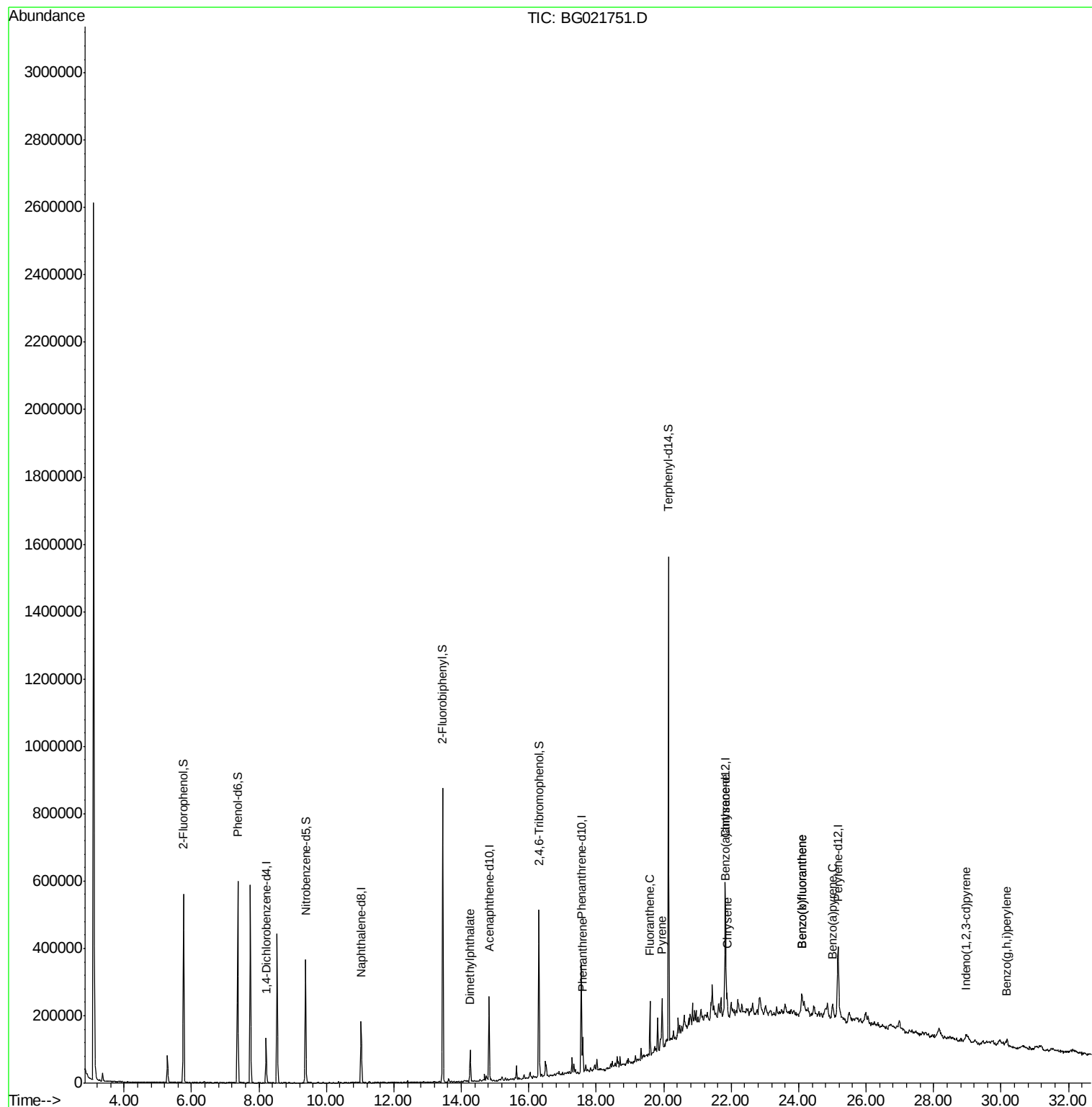
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.21	152	38072	20.00	ng	0.00
21) Naphthalene-d8	11.03	136	156292	20.00	ng	0.00
38) Acenaphthene-d10	14.82	164	87589	20.00	ng	0.00
63) Phenanthrene-d10	17.56	188	195107	20.00	ng	0.00
75) Chrysene-d12	21.83	240	220792	20.00	ng	0.00
86) Perylene-d12	25.17	264	221582	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.76	112	245888	107.55	ng	0.00
7) Phenol-d6	7.37	99	366581	107.34	ng	0.01
23) Nitrobenzene-d5	9.38	82	230082	75.67	ng	0.00
41) 2,4,6-Tribromophenol	16.30	330	91633	97.07	ng	0.00
44) 2-Fluorobiphenyl	13.45	172	454155	75.97	ng	0.00
78) Terphenyl-d14	20.14	244	605430	68.42	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	14.26	163	60488	7.99	ng	# 98
70) Phenanthrene	17.60	178	66695	6.20	ng	96
74) Fluoranthene	19.60	202	104058	8.10	ng	98
77) Pyrene	19.95	202	96003	7.54	ng	98
80) Benzo(a)anthracene	21.81	228	50713	3.99	ng	99
82) Chrysene	21.88	228	46323	3.79	ng	97
85) Indeno(1,2,3-cd)pyrene	28.96	276	30631	2.11	ng	# 71
87) Benzo(b)fluoranthene	24.10	252	60905	4.74	ng	# 88
88) Benzo(k)fluoranthene	24.10	252	60905	4.84	ng	# 88
89) Benzo(a)pyrene	25.01	252	45073	3.62	ng	# 80
91) Benzo(g,h,i)perylene	30.16	276	30483	2.49	ng	97

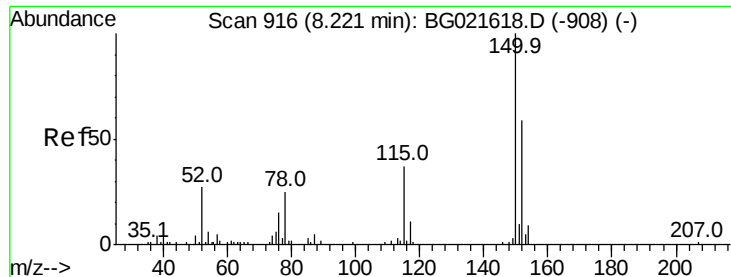
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.21 min Scan# 915

Delta R.T. -0.01 min

Lab File: BG021751.D

Acq: 19 Apr 2016 2:17

Instrument :

BNA_G

ClientSampleId :

POST-EX-20-20160412

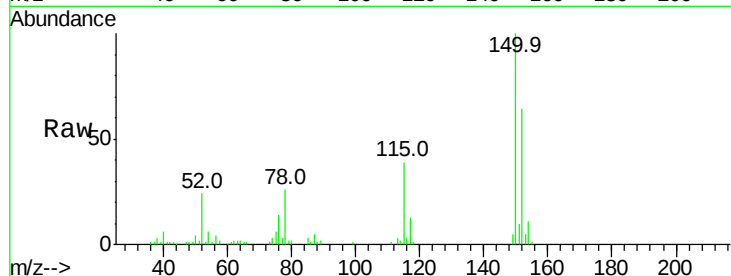
Tot Ion:152 Resp: 38072

Ion Ratio Lower Upper

152 100

150 155.8 130.1 195.1

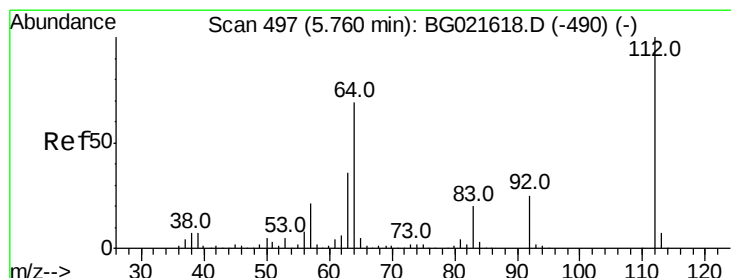
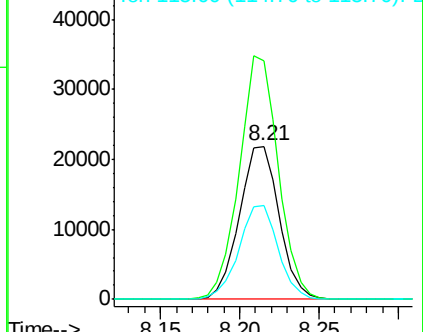
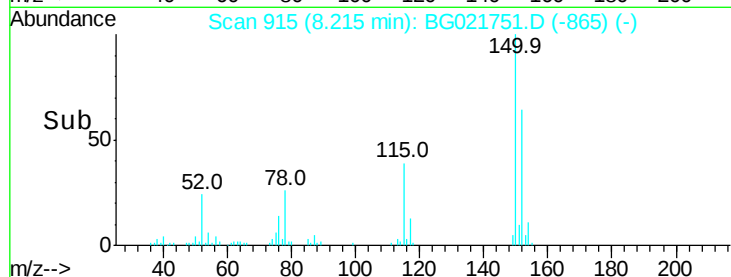
115 61.2 62.2 93.2#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 107.55 ng

RT: 5.76 min Scan# 498

Delta R.T. 0.01 min

Lab File: BG021751.D

Acq: 19 Apr 2016 2:17

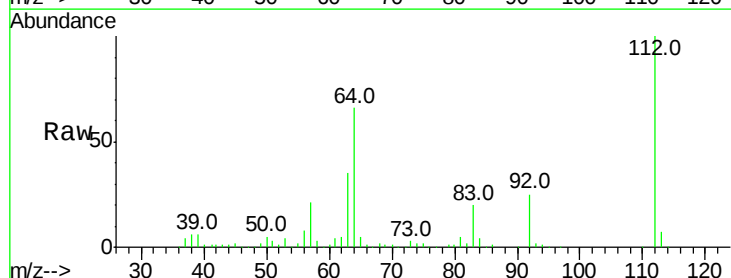
Tgt Ion:112 Resp: 245888

Ion Ratio Lower Upper

112 100

64 65.6 51.1 76.7

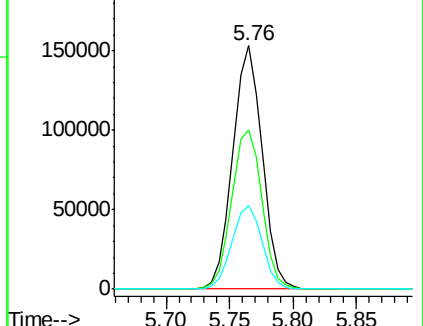
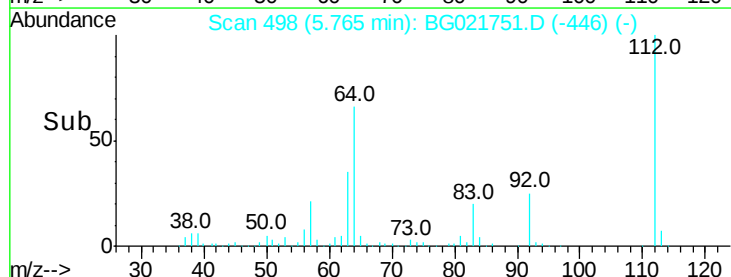
63 34.5 24.6 37.0

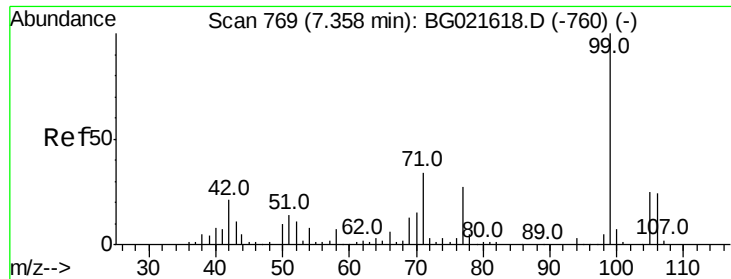


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 107.34 ng

RT: 7.37 min Scan# 771

Delta R.T. 0.01 min

Lab File: BG021751.D

Acq: 19 Apr 2016 2:17

Instrument :

BNA_G

ClientSampleId :

POST-EX-20-20160412

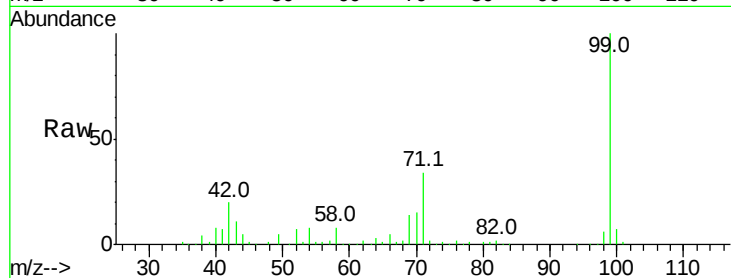
Tot Ion: 99 Resp: 366581

Ion Ratio Lower Upper

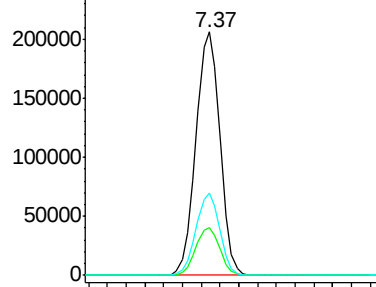
99 100

42 19.9 16.4 24.6

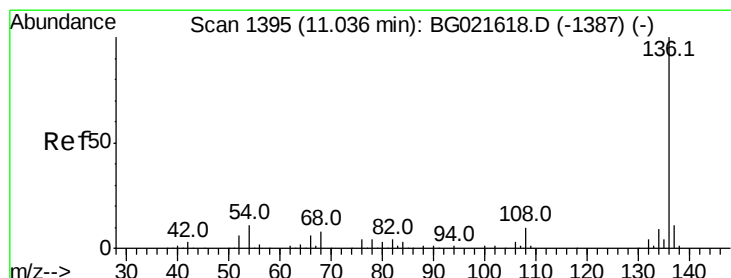
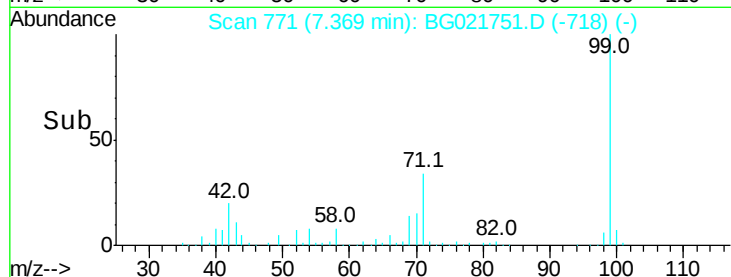
71 33.9 25.0 37.4



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-->



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 11.03 min Scan# 1394

Delta R.T. -0.01 min

Lab File: BG021751.D

Acq: 19 Apr 2016 2:17

Tgt Ion: 136 Resp: 156292

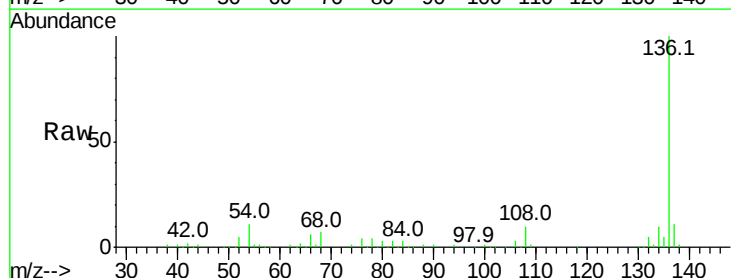
Ion Ratio Lower Upper

136 100

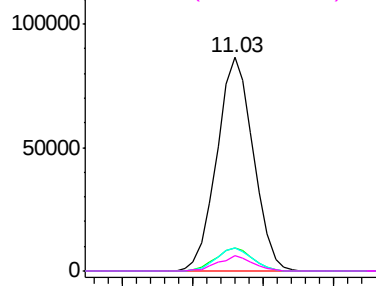
137 10.8 9.0 13.4

54 10.5 9.6 14.4

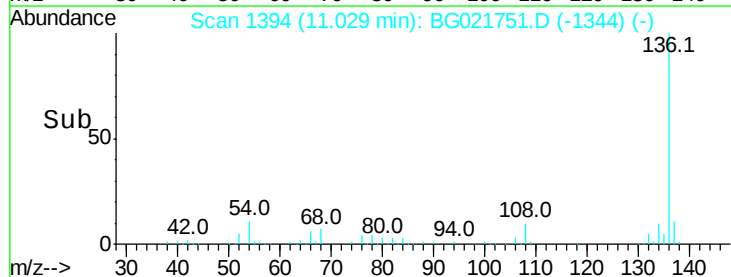
68 7.0 6.4 9.6

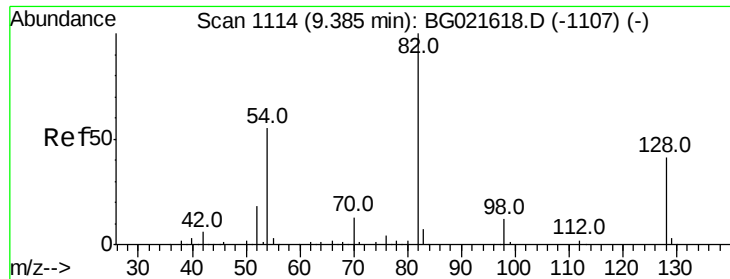


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC



Time-->

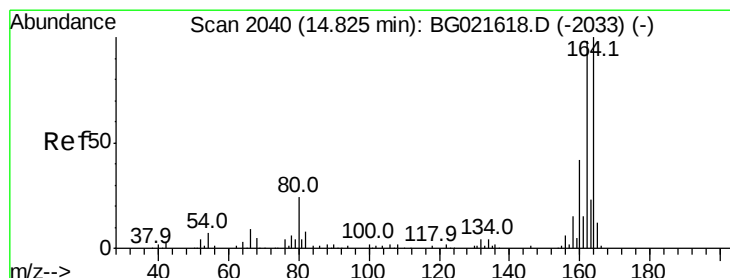
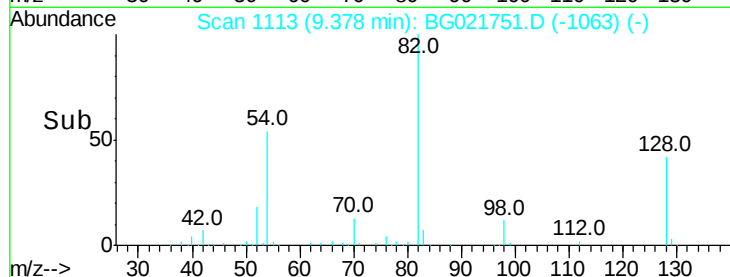
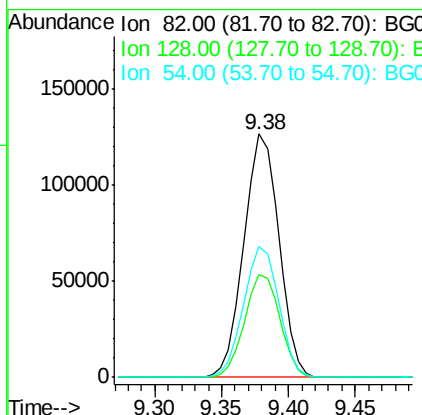
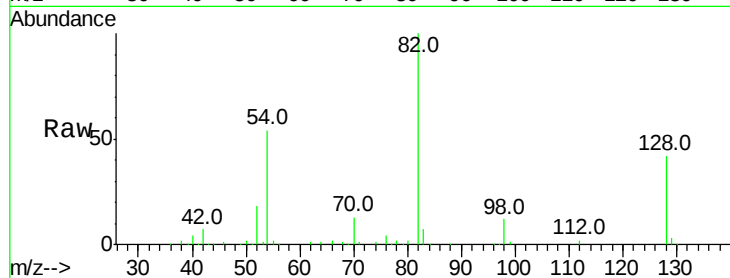




#23
Nitrobenzene-d5
Concen: 75.67 ng
RT: 9.38 min Scan# 1113
Delta R.T. -0.01 min
Lab File: BG021751.D
Acq: 19 Apr 2016 2:17

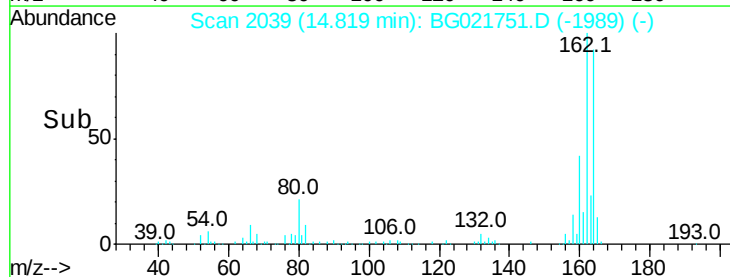
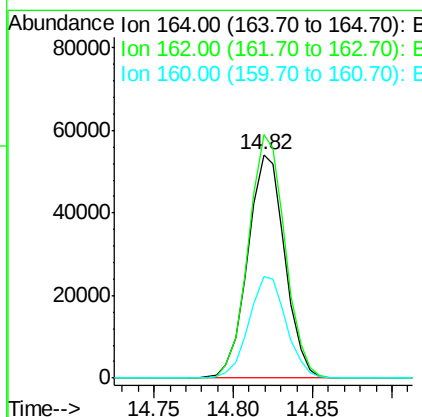
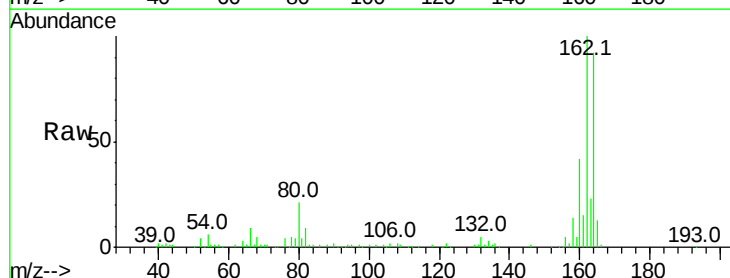
Instrument :
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POST-EX-20-20160412

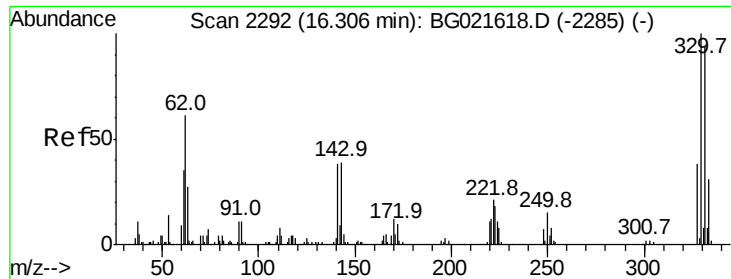
Tot Ion: 82 Resp: 230082
Ion Ratio Lower Upper
82 100
128 42.2 33.4 50.0
54 53.8 46.1 69.1



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.82 min Scan# 2039
Delta R.T. -0.01 min
Lab File: BG021751.D
Acq: 19 Apr 2016 2:17

Tgt Ion:164 Resp: 87589
Ion Ratio Lower Upper
164 100
162 109.0 78.0 117.0
160 45.4 32.9 49.3

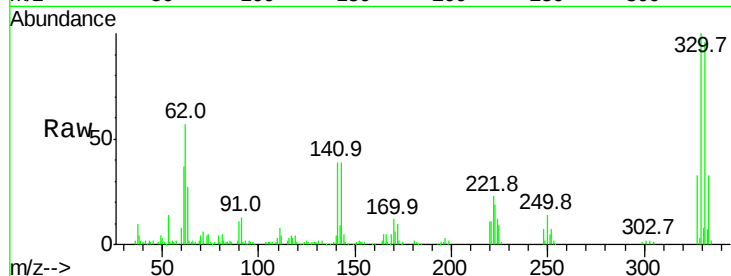




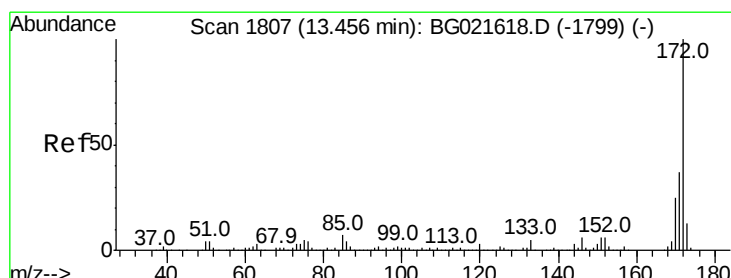
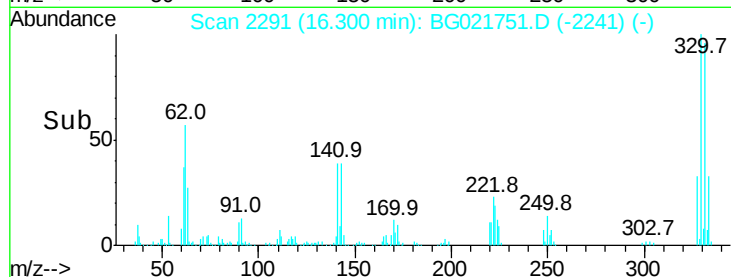
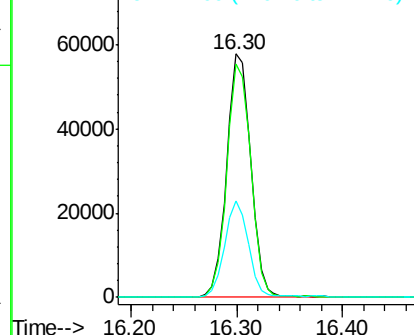
#41
 2,4,6-Tribromophenol
 Concen: 97.07 ng
 RT: 16.30 min Scan# 2291
 Delta R.T. -0.01 min
 Lab File: BG021751.D
 Acq: 19 Apr 2016 2:17

Instrument :
 BNA_G
 ClientSampleId :
 POST-EX-20-20160412

Tot Ion:330 Resp: 91633
 Ion Ratio Lower Upper
 330 100
 332 95.7 78.0 117.0
 141 39.4 33.8 50.8

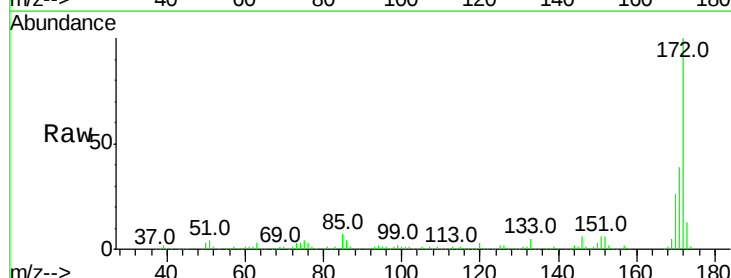


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

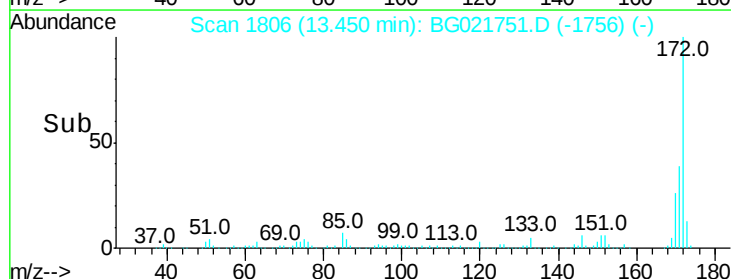
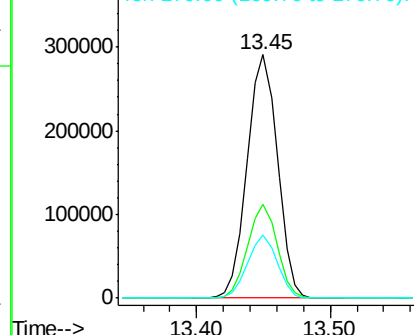


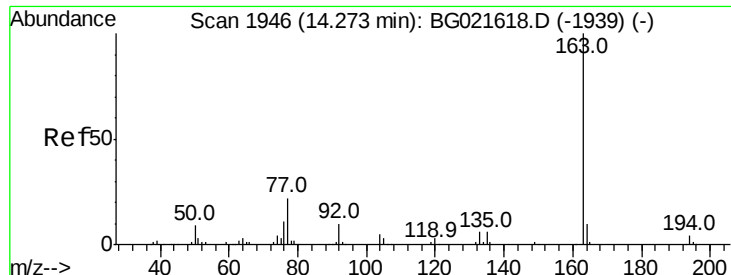
#44
 2-Fluorobiphenyl
 Concen: 75.97 ng
 RT: 13.45 min Scan# 1806
 Delta R.T. -0.01 min
 Lab File: BG021751.D
 Acq: 19 Apr 2016 2:17

Tgt Ion:172 Resp: 454155
 Ion Ratio Lower Upper
 172 100
 171 38.7 27.8 41.6
 170 25.7 19.6 29.4



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 7.99 ng

RT: 14.26 min Scan# 1944

Delta R.T. -0.01 min

Lab File: BG021751.D

Acq: 19 Apr 2016 2:17

Instrument :

BNA_G

ClientSampleId :

POST-EX-20-20160412

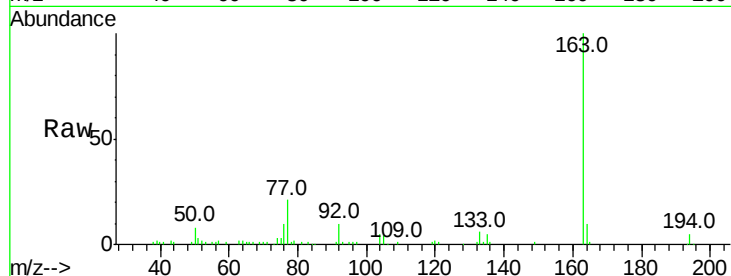
Tot Ion:163 Resp: 60488

Ion Ratio Lower Upper

163 100

194 4.8 3.0 4.6#

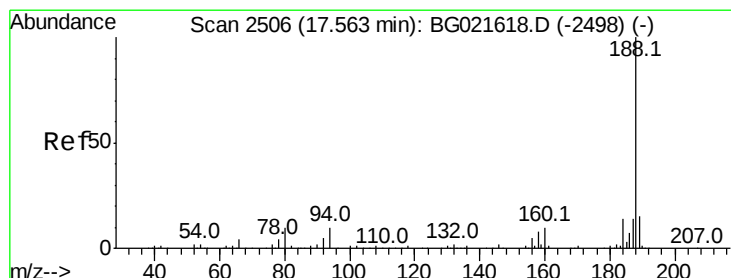
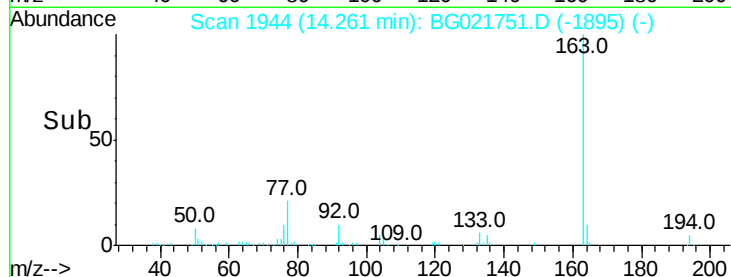
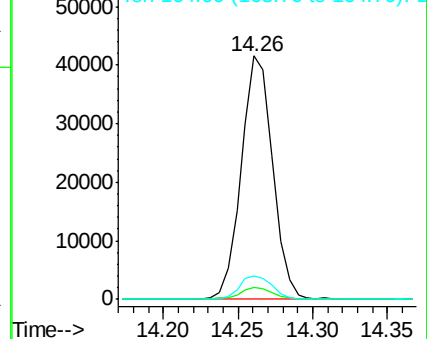
164 9.5 8.1 12.1



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.56 min Scan# 2505

Delta R.T. -0.01 min

Lab File: BG021751.D

Acq: 19 Apr 2016 2:17

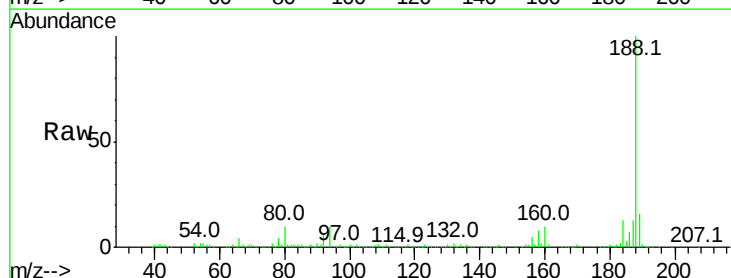
Tgt Ion:188 Resp: 195107

Ion Ratio Lower Upper

188 100

94 9.9 7.5 11.3

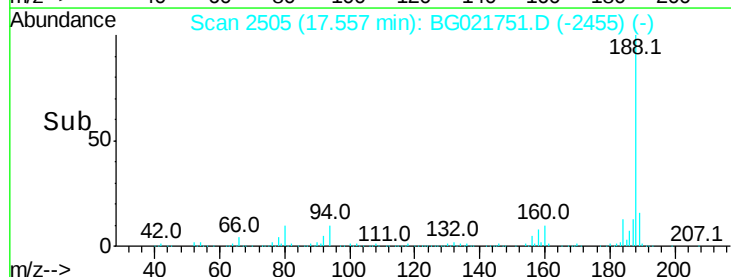
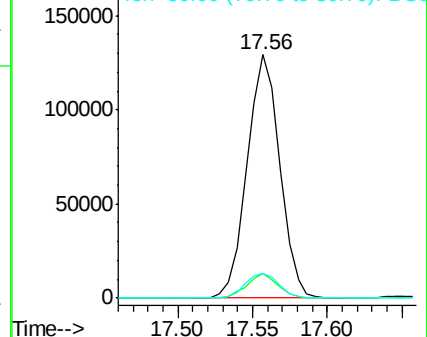
80 10.2 8.6 13.0

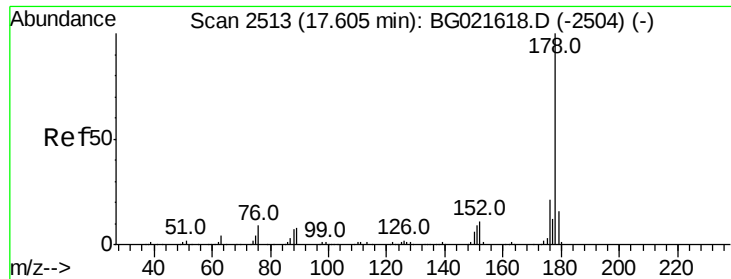


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#70

Phenanthrene

Concen: 6.20 ng

RT: 17.60 min Scan# 2512

Delta R.T. -0.01 min

Lab File: BG021751.D

Acq: 19 Apr 2016 2:17

Instrument :

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ClientSampleId :

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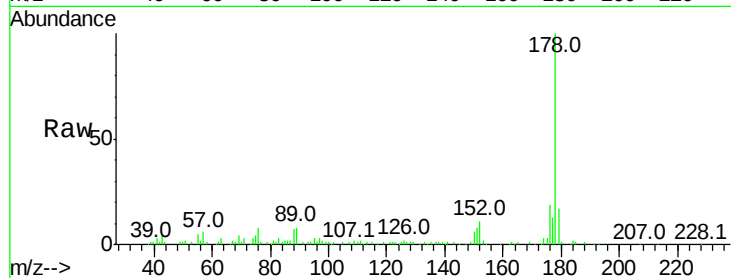
Tot Ion:178 Resp: 66695

Ion Ratio Lower Upper

178 100

176 19.0 16.2 24.4

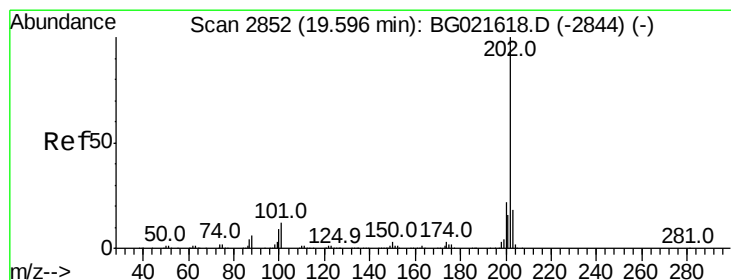
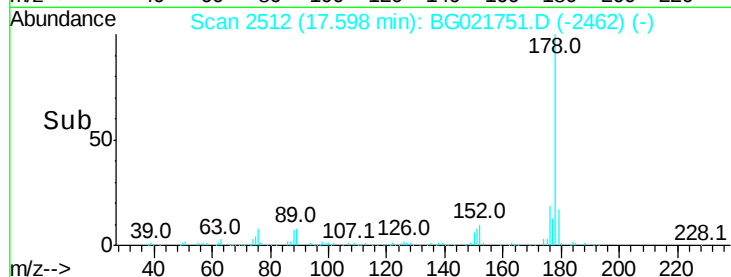
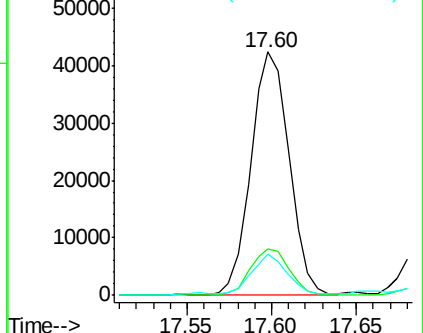
179 17.2 12.0 18.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 8.10 ng

RT: 19.60 min Scan# 2852

Delta R.T. -0.00 min

Lab File: BG021751.D

Acq: 19 Apr 2016 2:17

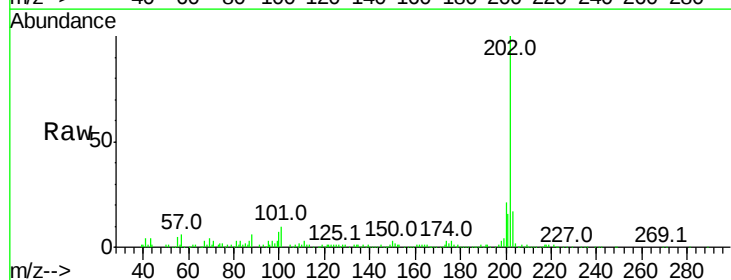
Tgt Ion:202 Resp: 104058

Ion Ratio Lower Upper

202 100

101 9.6 0.0 31.0

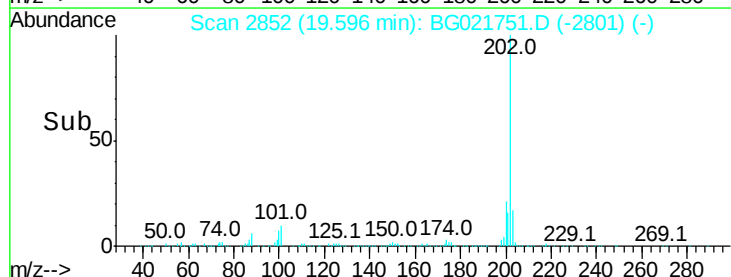
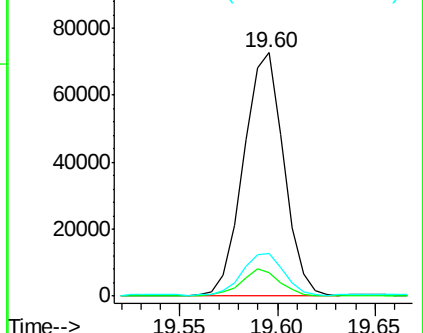
203 17.5 0.0 37.9

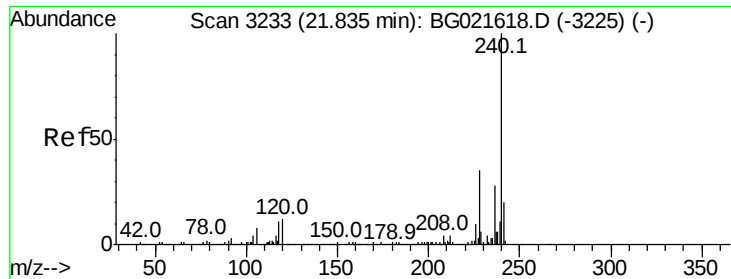


Abundance Ion 202.00 (201.70 to 202.70): E

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: BG021751.D

Acq: 19 Apr 2016 2:17

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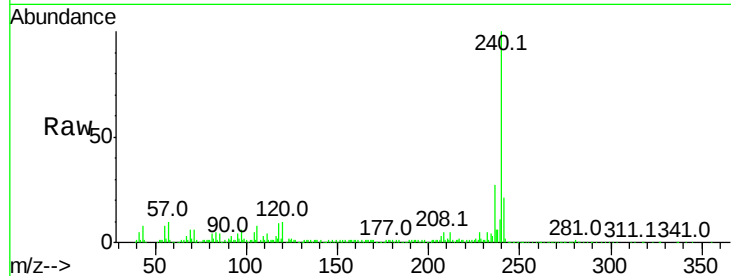
Tot Ion:240 Resp: 220792

Ion Ratio Lower Upper

240 100

120 10.4 8.4 12.6

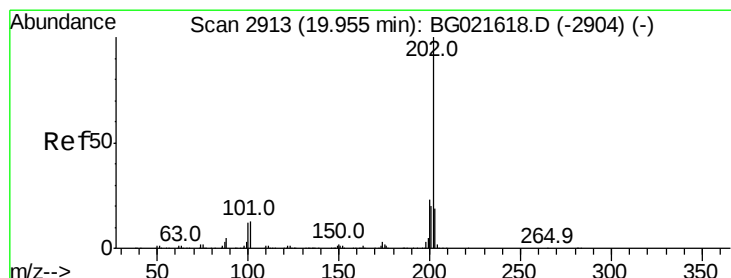
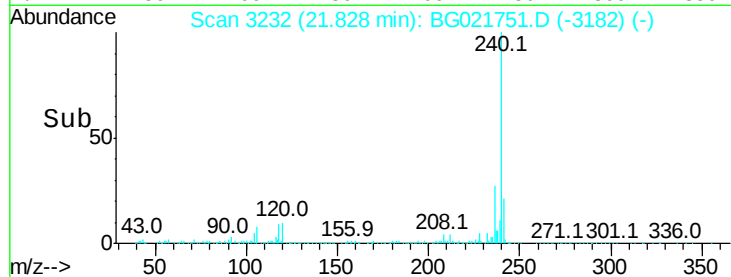
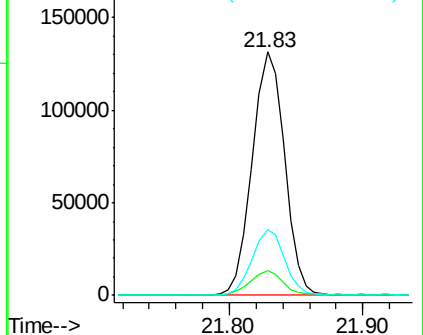
236 27.0 19.6 29.4



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: 7.54 ng

RT: 19.95 min Scan# 2913

Delta R.T. -0.00 min

Lab File: BG021751.D

Acq: 19 Apr 2016 2:17

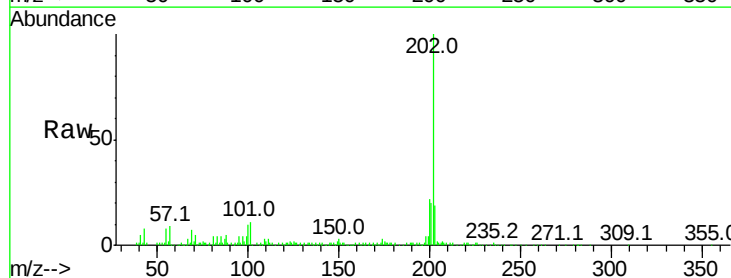
Tgt Ion:202 Resp: 96003

Ion Ratio Lower Upper

202 100

200 21.7 18.2 27.2

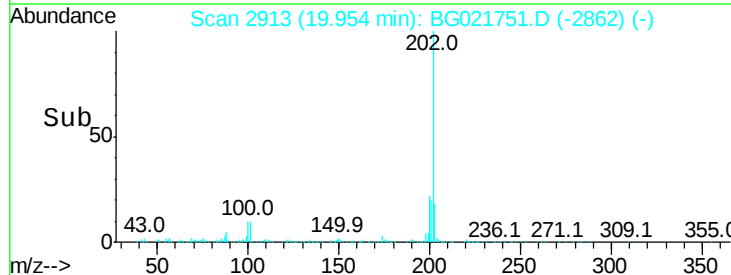
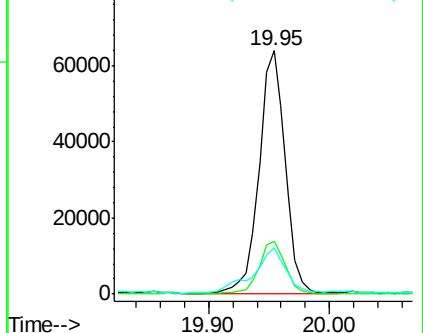
203 19.0 15.0 22.4

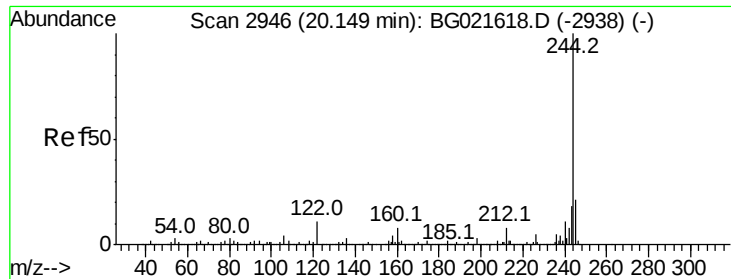


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 68.42 ng

RT: 20.14 min Scan# 2945

Delta R.T. -0.01 min

Lab File: BG021751.D

Acq: 19 Apr 2016 2:17

Instrument :

BNA_G

ClientSampleId :

POST-EX-20-20160412

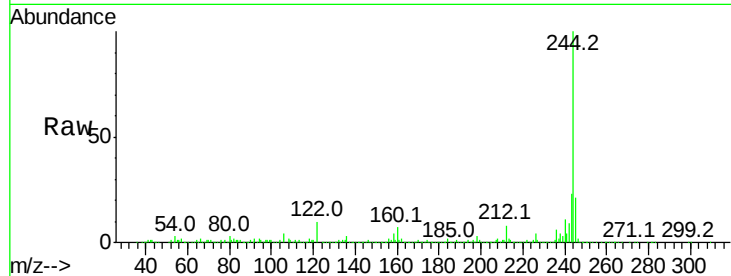
Tot Ion:244 Resp: 605430

Ion Ratio Lower Upper

244 100

212 8.2 6.5 9.7

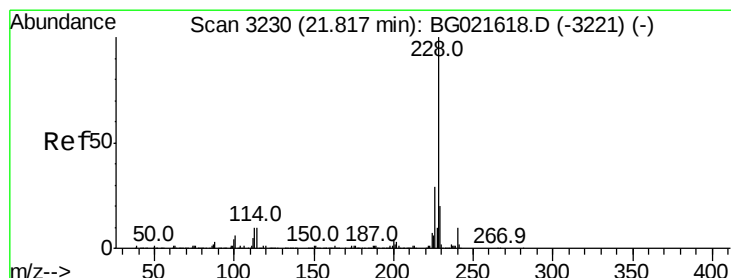
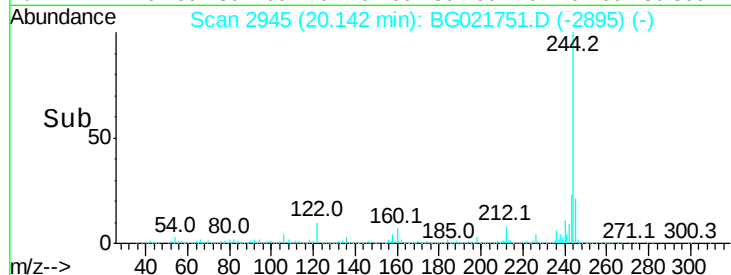
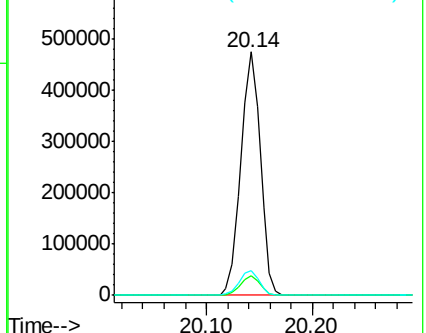
122 10.1 8.6 12.8



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 3.99 ng

RT: 21.81 min Scan# 3229

Delta R.T. -0.01 min

Lab File: BG021751.D

Acq: 19 Apr 2016 2:17

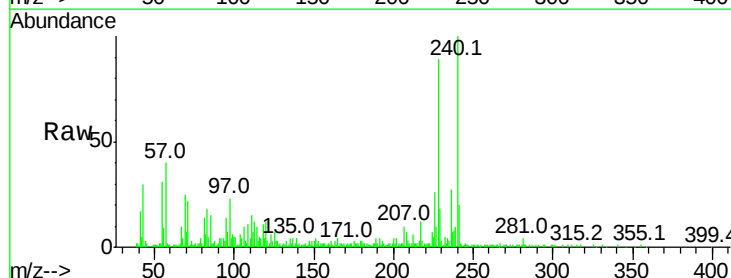
Tgt Ion:228 Resp: 50713

Ion Ratio Lower Upper

228 100

226 29.5 22.6 34.0

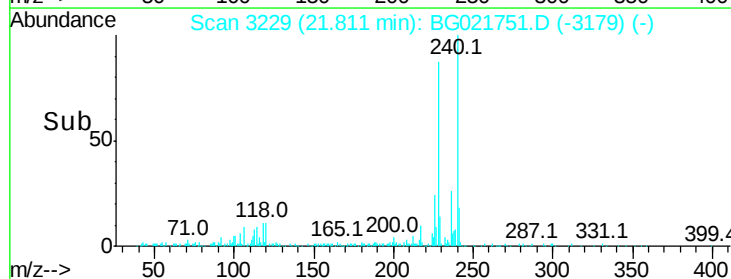
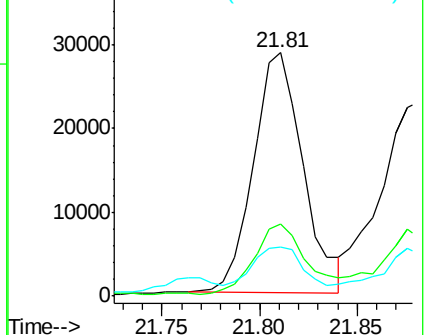
229 20.2 16.1 24.1

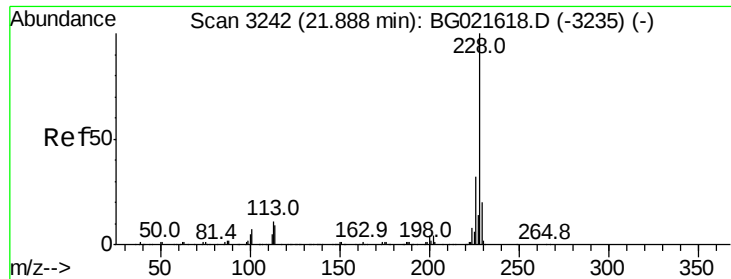


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 3.79 ng

RT: 21.88 min Scan# 3241

Delta R.T. -0.01 min

Lab File: BG021751.D

Acq: 19 Apr 2016 2:17

Instrument :

BNA_G

ClientSampleId :

POST-EX-20-20160412

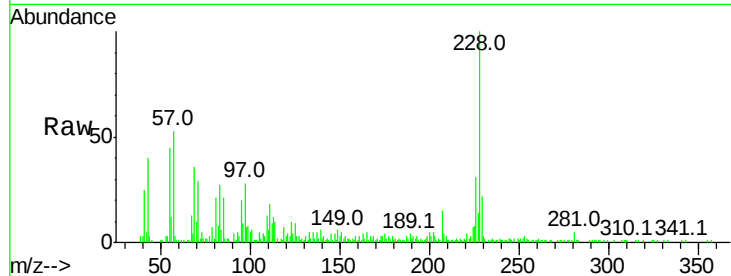
Tot Ion:228 Resp: 46323

Ion Ratio Lower Upper

228 100

226 31.1 25.4 38.0

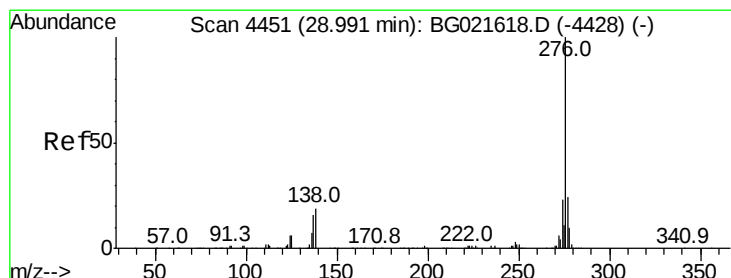
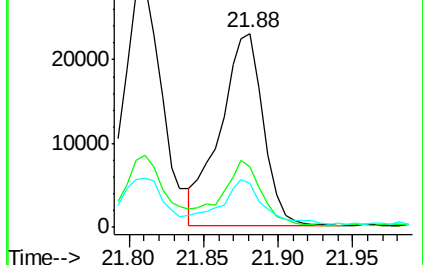
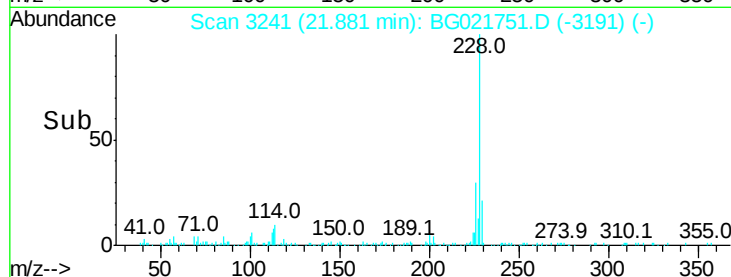
229 22.4 15.9 23.9



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.11 ng

RT: 28.96 min Scan# 4446

Delta R.T. -0.03 min

Lab File: BG021751.D

Acq: 19 Apr 2016 2:17

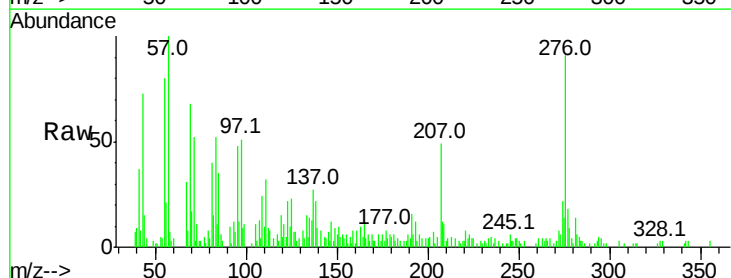
Tgt Ion:276 Resp: 30631

Ion Ratio Lower Upper

276 100

138 7.3 14.0 21.0#

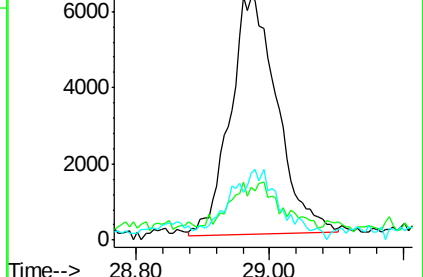
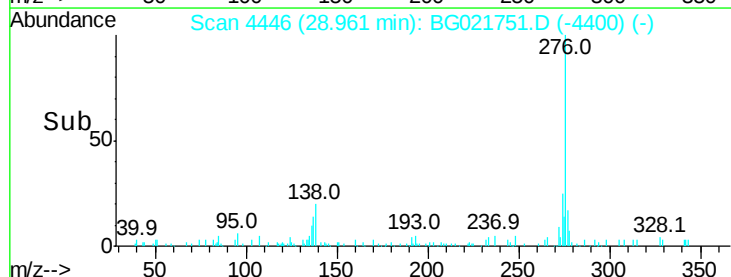
277 8.9 20.6 30.8#

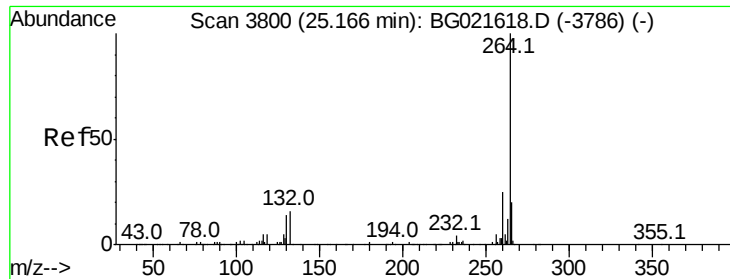


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

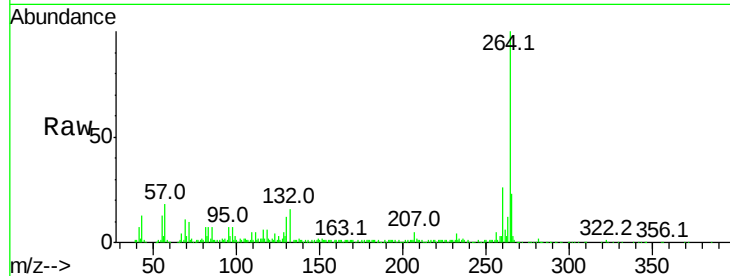




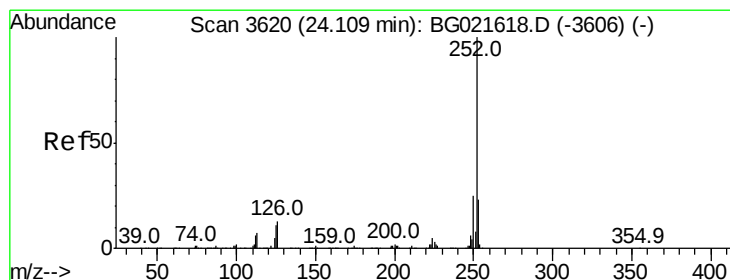
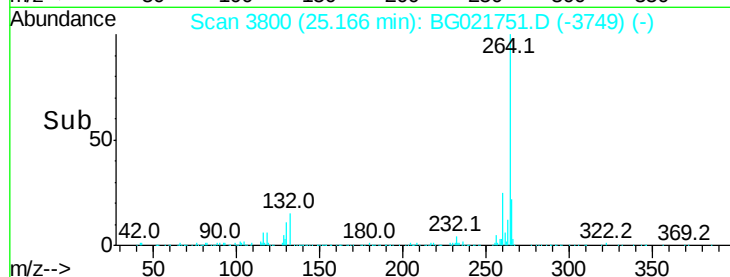
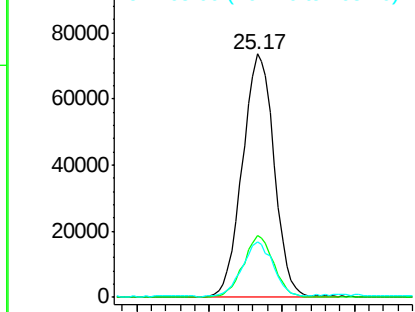
#86
Pervlene-d12
Concen: 20.00 ng
RT: 25.17 min Scan# 3800
Delta R.T. -0.00 min
Lab File: BG021751.D
Acq: 19 Apr 2016 2:17

Instrument :
BNA_G
ClientSampleId :
POST-EX-20-20160412

Tot Ion:	264	Resp:	221582
Ion	Ratio	Lower	Upper
264	100		
260	25.5	20.2	30.4
265	22.7	17.8	26.8

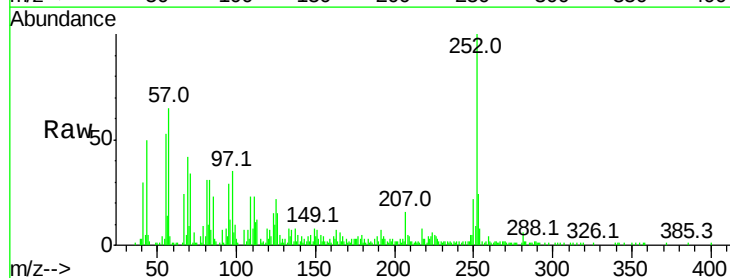


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

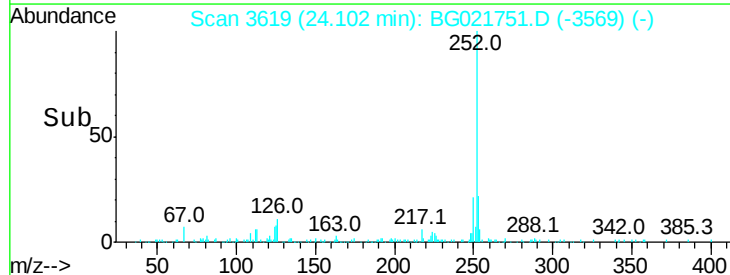
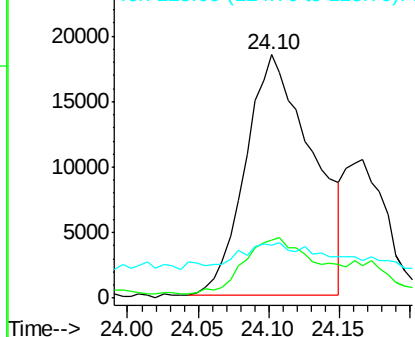


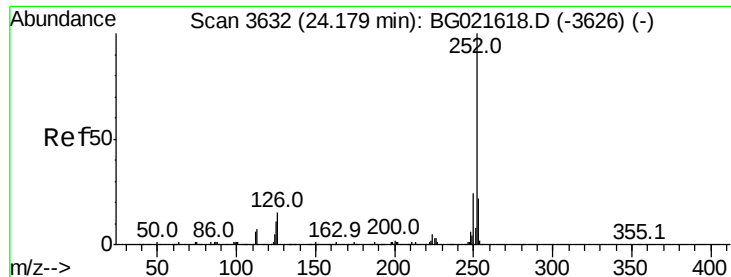
#87
Benzo(b)fluoranthene
Concen: 4.74 ng
RT: 24.10 min Scan# 3619
Delta R.T. -0.01 min
Lab File: BG021751.D
Acq: 19 Apr 2016 2:17

Tgt Ion:	252	Resp:	60905
Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.5	26.3
125	21.7	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

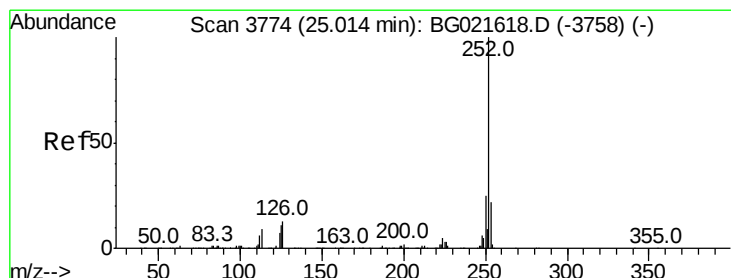
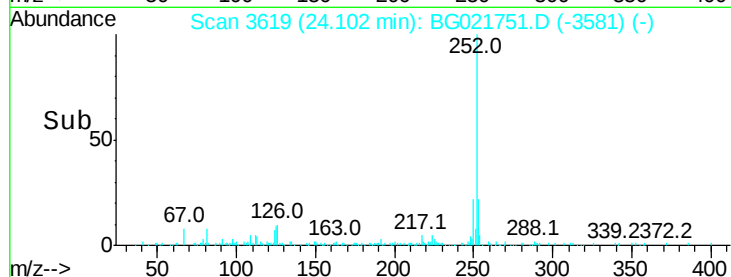
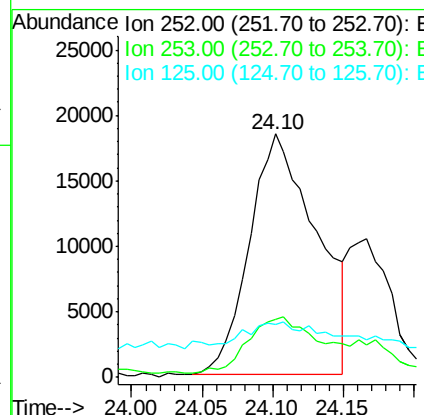
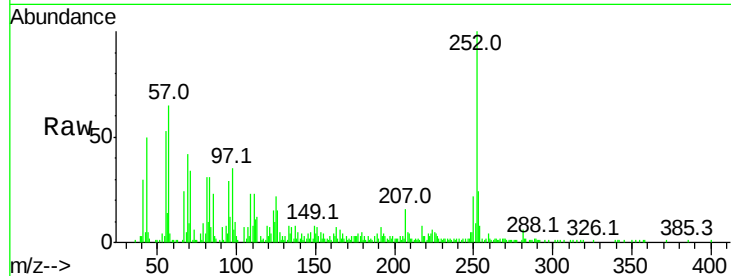




#88
Benzo(k)fluoranthene
Concen: 4.84 ng
RT: 24.10 min Scan# 3619
Delta R.T. -0.08 min
Lab File: BG021751.D
Acq: 19 Apr 2016 2:17

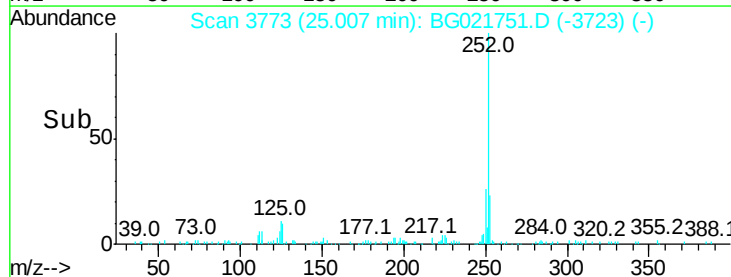
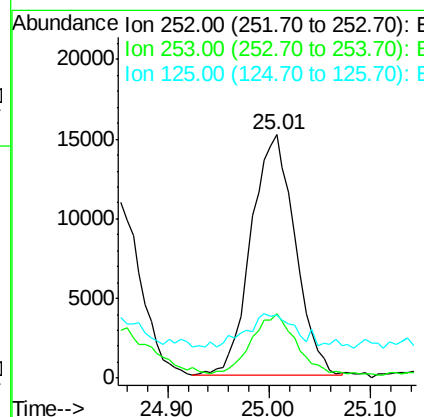
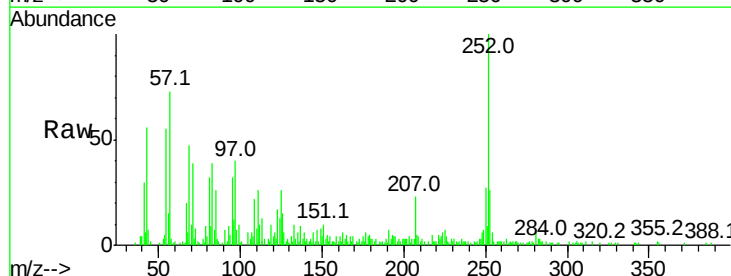
Instrument :
BNA_G
ClientSampleId :
POST-EX-20-20160412

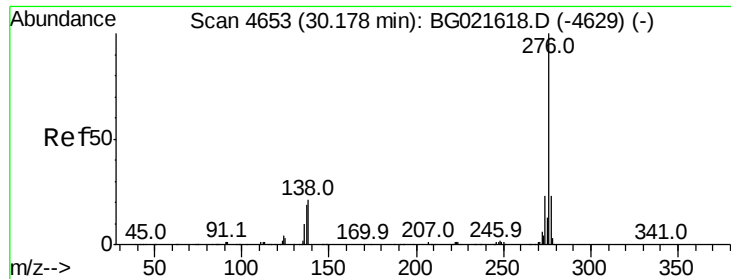
Tot Ion:252 Resp: 60905
Ion Ratio Lower Upper
252 100
253 23.8 17.8 26.8
125 21.7 8.3 12.5#



#89
Benzo(a)pyrene
Concen: 3.62 ng
RT: 25.01 min Scan# 3773
Delta R.T. -0.01 min
Lab File: BG021751.D
Acq: 19 Apr 2016 2:17

Tgt Ion:252 Resp: 45073
Ion Ratio Lower Upper
252 100
253 26.3 17.1 25.7#
125 26.1 9.6 14.4#

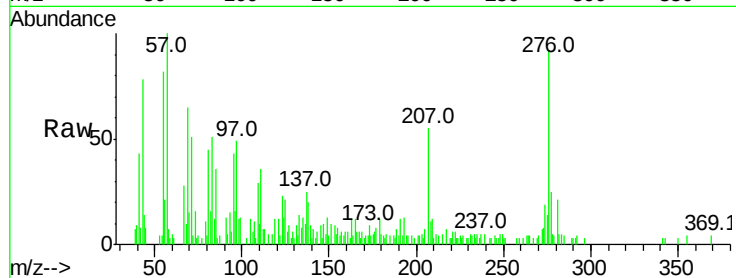




#91
 Benzo(a,h,i)perylene
 Concen: 2.49 ng
 RT: 30.16 min Scan# 4650
 Delta R.T. -0.02 min
 Lab File: BG021751.D
 Acq: 19 Apr 2016 2:17

Instrument :
 BNA_G
 ClientSampleId :
 POST-EX-20-20160412

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.8	19.4	29.2
138	21.6	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

