

Data Path : Z:\HPCHEM1\BNA G\DATA\BG022716\
 Data File : BG021149.D
 Acq On : 28 Feb 2016 13:19
 Operator : UM/SJ
 Sample : H1442-04 40X
 Misc :
 ALS Vial : 66 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 POST-EX-13-20160211

Quant Time: Feb 29 01:43:00 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 26 16:39:44 2016
 Response via : Initial Calibration

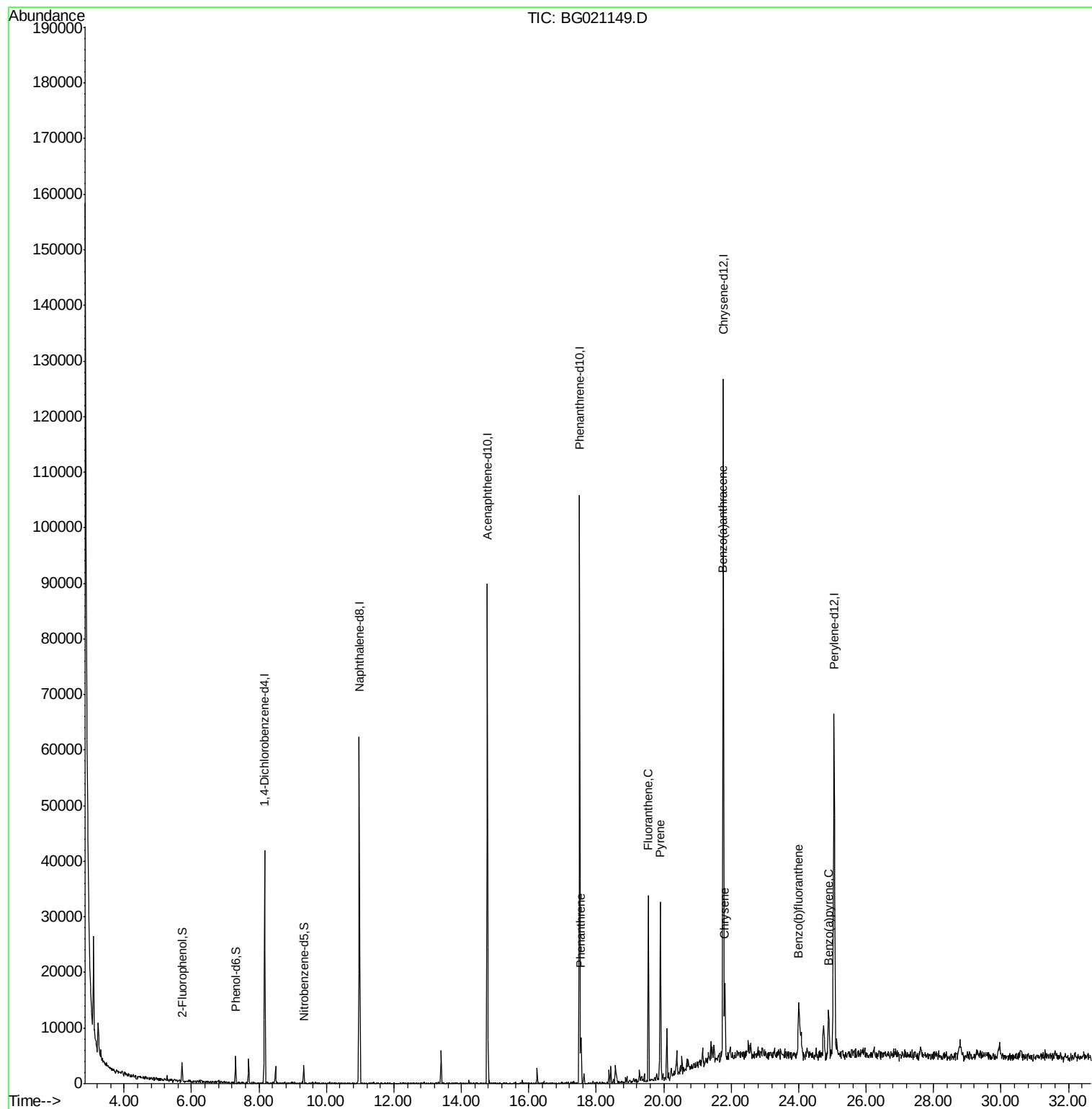
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	10511	20.00	ng	-0.01
21) Naphthalene-d8	10.97	136	50195	20.00	ng	-0.02
38) Acenaphthene-d10	14.77	164	28363	20.00	ng	-0.01
63) Phenanthrene-d10	17.51	188	60998	20.00	ng	-0.01
75) Chrysene-d12	21.77	240	63780	20.00	ng	-0.02
86) Perylene-d12	25.05	264	59079	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.72	112	1756	2.92	ng	0.00
7) Phenol-d6	7.30	99	2900	3.25	ng	-0.02
23) Nitrobenzene-d5	9.33	82	2237	2.12	ng	-0.02
41) 2,4,6-Tribromophenol	16.25	330	607	1.63	ng	-0.02
44) 2-Fluorobiphenyl	13.40	172	3959	1.79	ng	-0.02
78) Terphenyl-d14	20.09	244	4948	1.81	ng	-0.02
Target Compounds						Qvalue
70) Phenanthrene	17.55	178	8266	2.52	ng	96
74) Fluoranthene	19.54	202	19419	4.72	ng	99
77) Pyrene	19.90	202	19374	5.49	ng	99
80) Benzo(a)anthracene	21.75	228	11100	3.02	ng	98
82) Chrysene	21.82	228	9533	2.70	ng	99
87) Benzo(b)fluoranthene	24.00	252	12692	3.44	ng	# 97
89) Benzo(a)pyrene	24.89	252	9271	2.62	ng	95

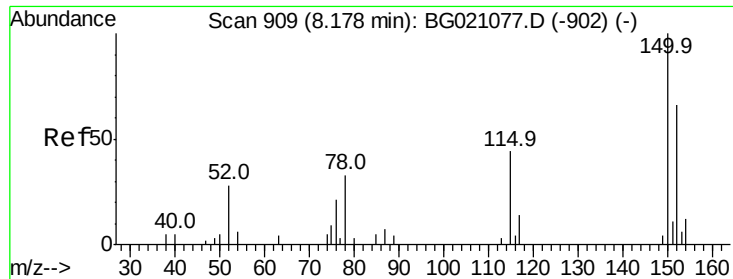
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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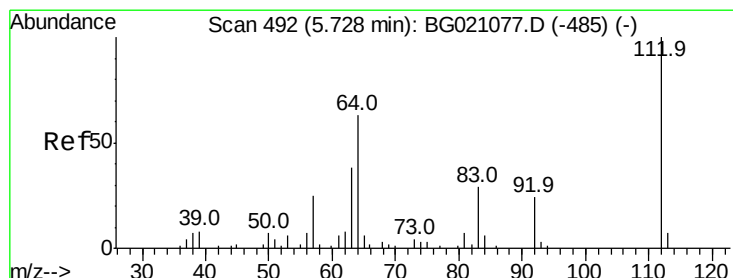
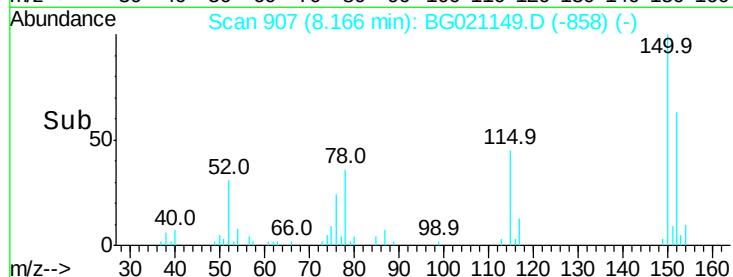
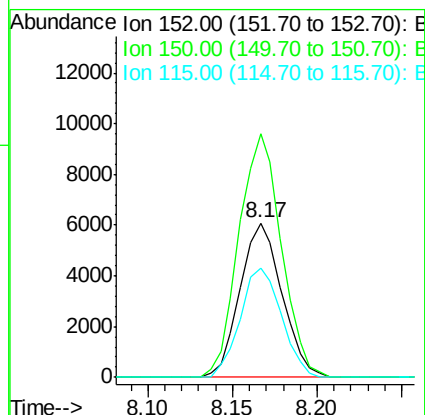
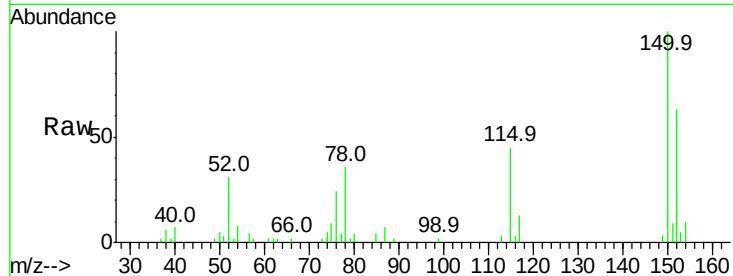


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.17 min Scan# 907
Delta R.T. -0.01 min
Lab File: BG021149.D
Acq: 28 Feb 2016 13:19

Instrument :
BNA_G
ClientSampleId :
POST-EX-13-20160211

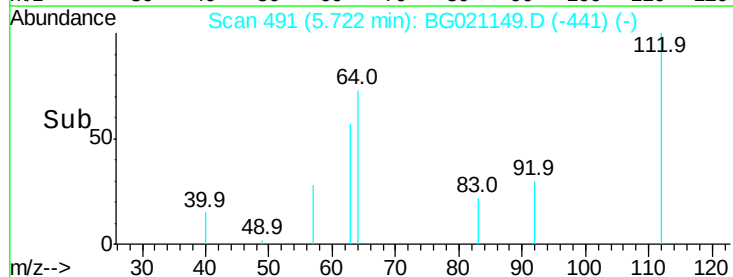
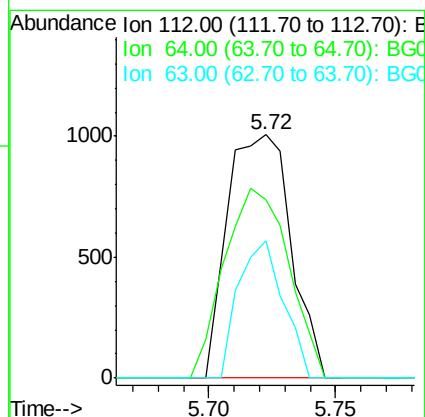
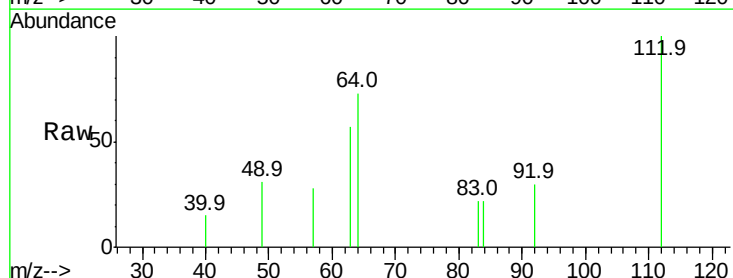
Tot Ion:152 Resp: 10511
Ion Ratio Lower Upper
152 100
150 158.0 123.4 185.2
115 70.7 43.3 64.9#

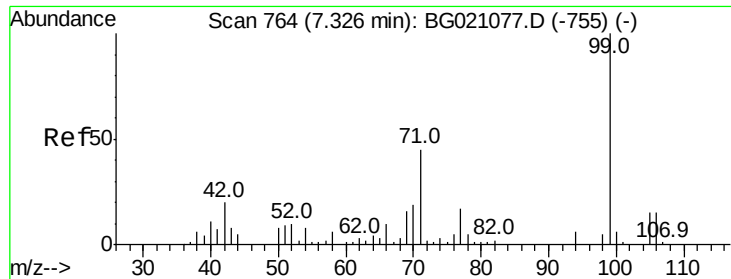


#5

2-Fluorophenol
Concen: 2.92 ng
RT: 5.72 min Scan# 491
Delta R.T. -0.00 min
Lab File: BG021149.D
Acq: 28 Feb 2016 13:19

Tgt Ion:112 Resp: 1756
Ion Ratio Lower Upper
112 100
64 73.4 42.6 63.8#
63 56.5 21.7 32.5#





#7

Phenol-d6

Concen: 3.25 ng

RT: 7.30 min Scan# 760

Delta R.T. -0.02 min

Lab File: BG021149.D

Acq: 28 Feb 2016 13:19

Instrument :

BNA_G

ClientSampleId :

POST-EX-13-20160211

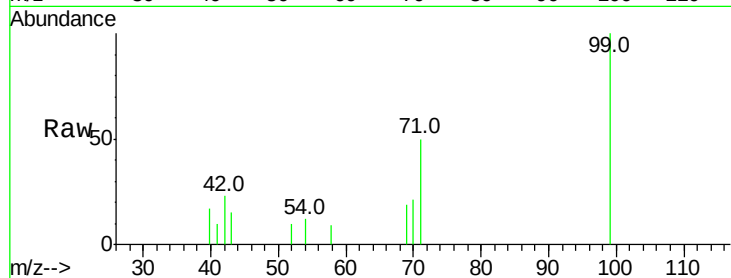
Tot Ion: 99 Resp: 2900

Ion Ratio Lower Upper

99 100

42 22.9 13.2 19.8#

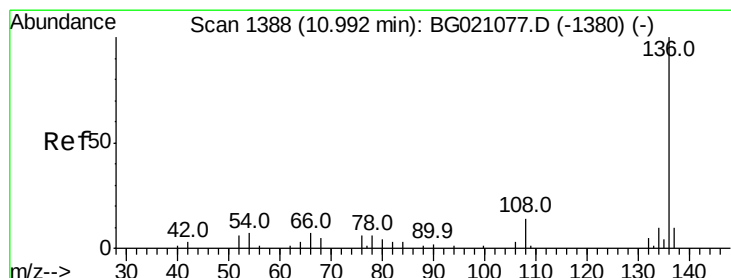
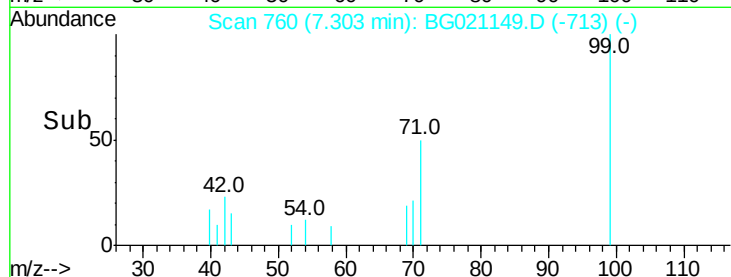
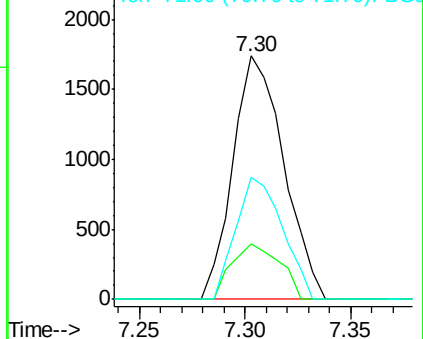
71 50.4 25.2 37.8#



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: 10.97 min Scan# 1385

Delta R.T. -0.02 min

Lab File: BG021149.D

Acq: 28 Feb 2016 13:19

Tgt Ion: 136 Resp: 50195

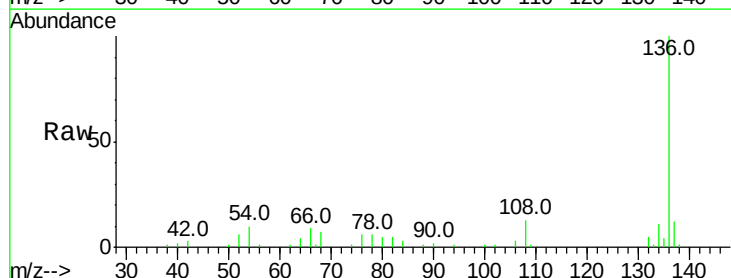
Ion Ratio Lower Upper

136 100

137 12.2 8.8 13.2

54 10.3 6.9 10.3

68 7.5 5.8 8.6

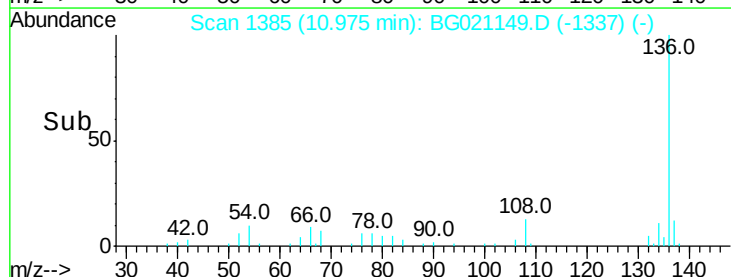
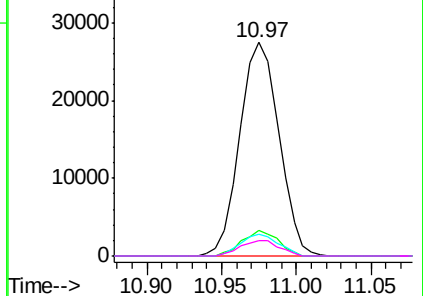


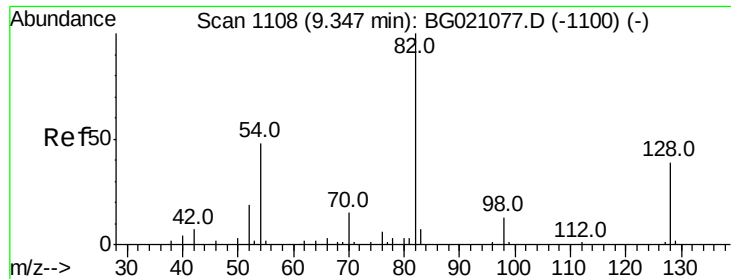
Abundance Ion 136.00 (135.70 to 136.70): BGC

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

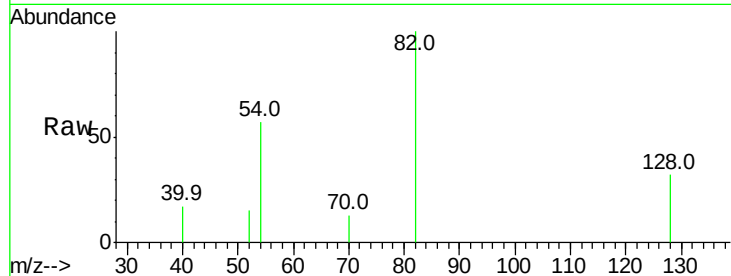




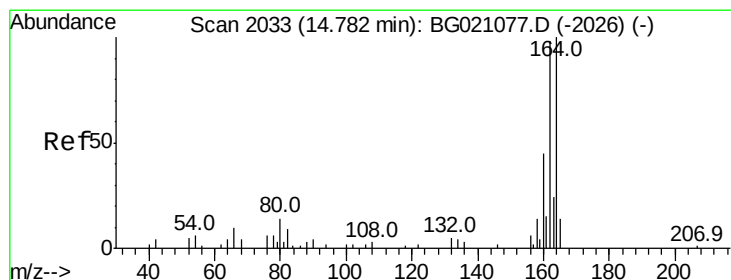
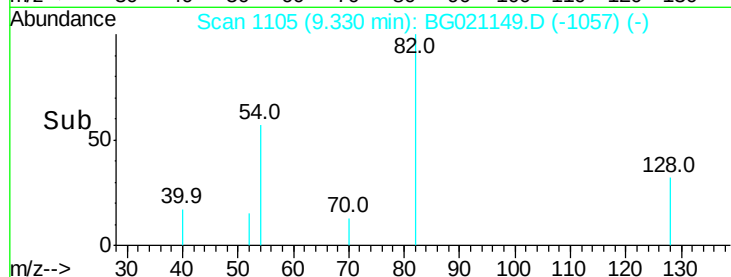
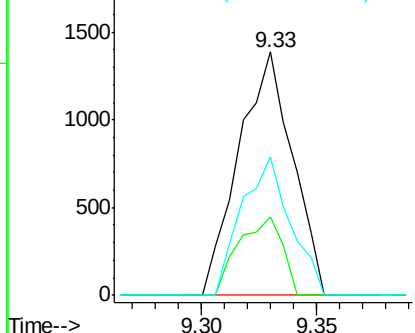
#23
Nitrobenzene-d5
Concen: 2.12 ng
RT: 9.33 min Scan# 1105
Delta R.T. -0.02 min
Lab File: BG021149.D
Acq: 28 Feb 2016 13:19

Instrument :
BNA_G
ClientSampleId :
POST-EX-13-20160211

Tot Ion: 82 Resp: 2237
Ion Ratio Lower Upper
82 100
128 32.1 36.3 54.5#
54 57.1 37.6 56.4#

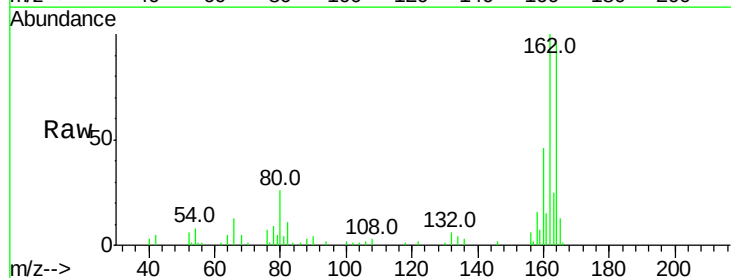


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

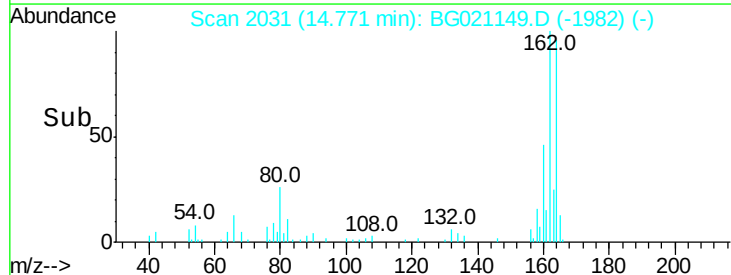
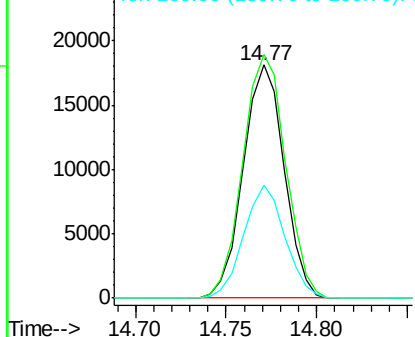


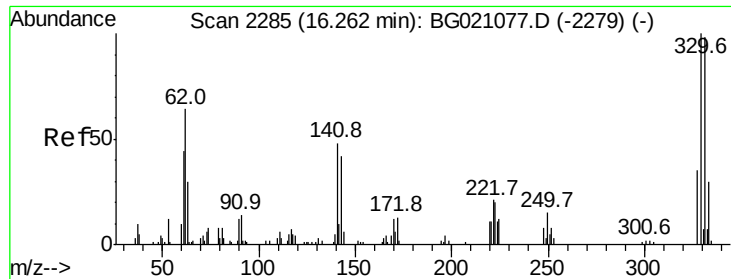
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.77 min Scan# 2031
Delta R.T. -0.01 min
Lab File: BG021149.D
Acq: 28 Feb 2016 13:19

Tgt Ion:164 Resp: 28363
Ion Ratio Lower Upper
164 100
162 104.4 80.6 120.8
160 48.5 36.5 54.7



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

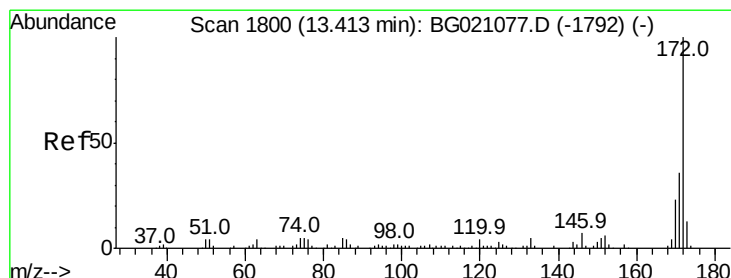
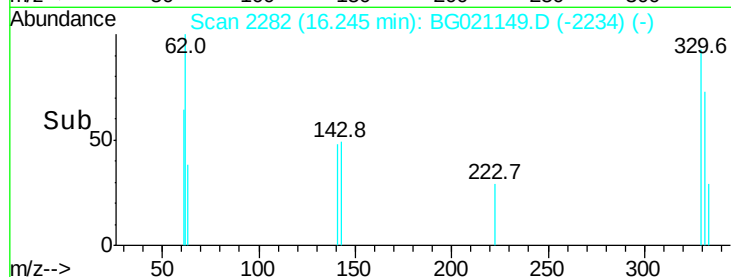
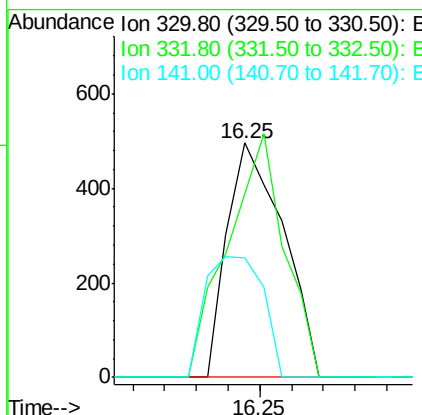
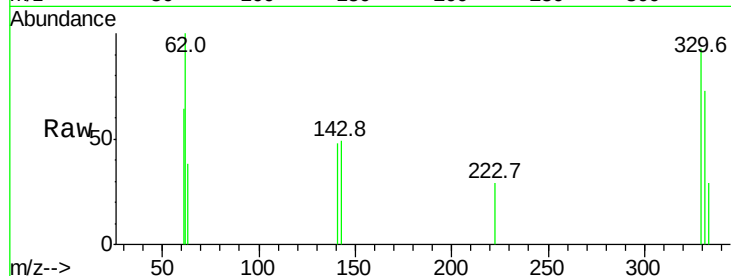




#41
 2,4,6-Tribromophenol
 Concen: 1.63 ng
 RT: 16.25 min Scan# 2282
 Delta R.T. -0.02 min
 Lab File: BG021149.D
 Acq: 28 Feb 2016 13:19

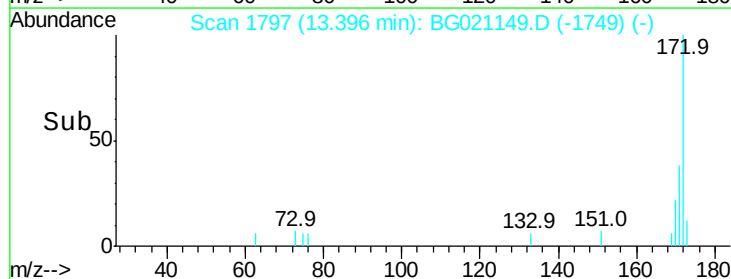
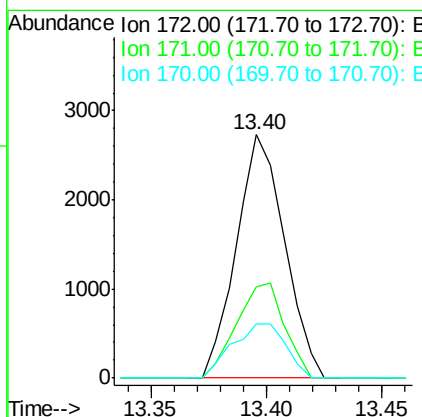
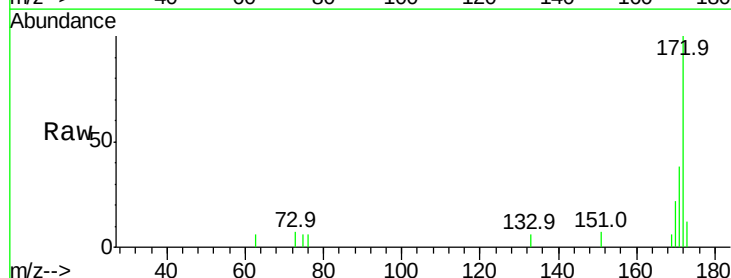
Instrument :
 BNA_G
 ClientSampleId :
 POST-EX-13-20160211

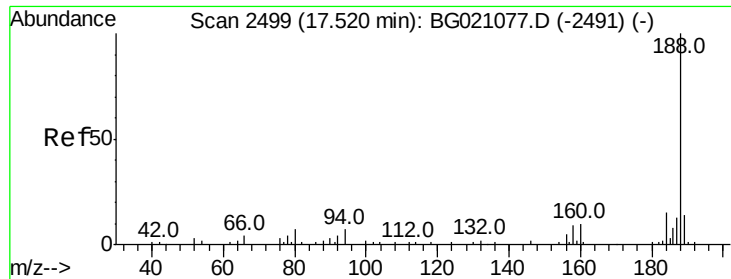
Tot Ion:330 Resp: 607
 Ion Ratio Lower Upper
 330 100
 332 105.1 77.4 116.0
 141 53.2 35.3 52.9#



#44
 2-Fluorobiphenyl
 Concen: 1.79 ng
 RT: 13.40 min Scan# 1797
 Delta R.T. -0.02 min
 Lab File: BG021149.D
 Acq: 28 Feb 2016 13:19

Tgt Ion:172 Resp: 3959
 Ion Ratio Lower Upper
 172 100
 171 37.7 29.4 44.0
 170 22.4 19.8 29.8

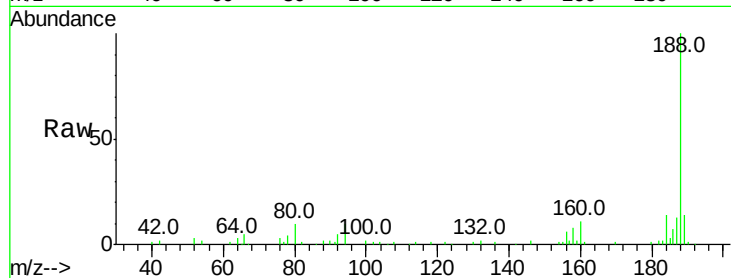




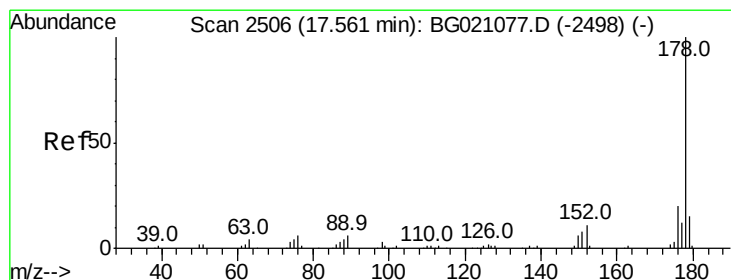
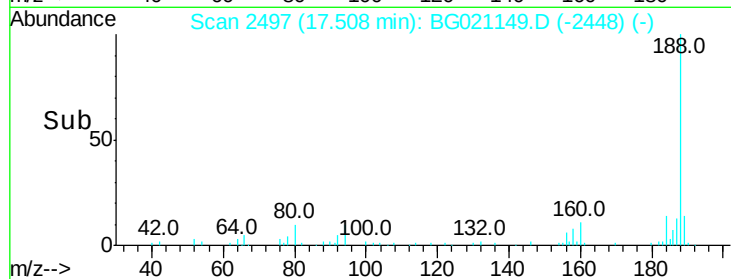
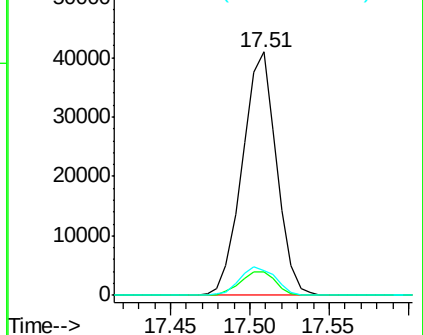
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 17.51 min Scan# 2497
 Delta R.T. -0.01 min
 Lab File: BG021149.D
 Acq: 28 Feb 2016 13:19

Instrument :
 BNA_G
 ClientSampleId :
 POST-EX-13-20160211

Tot Ion:188 Resp: 60998
 Ion Ratio Lower Upper
 188 100
 94 9.6 8.2 12.4
 80 10.4 9.2 13.8

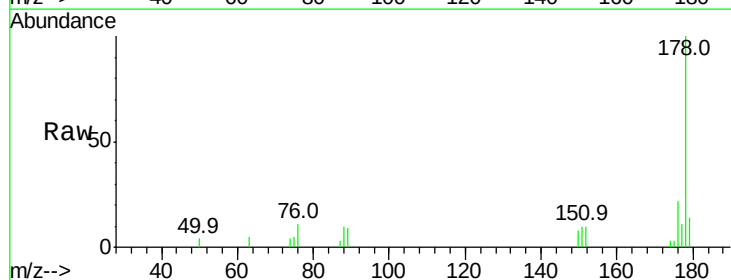


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BGC
 Ion 80.00 (79.70 to 80.70): BGC

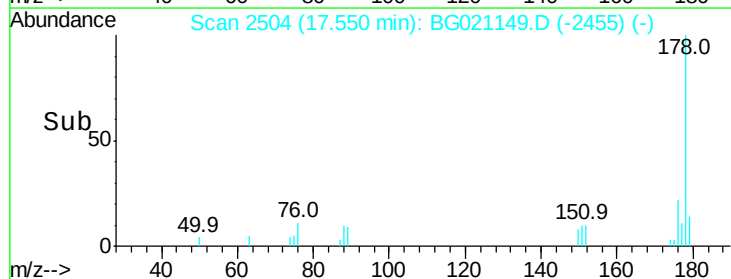
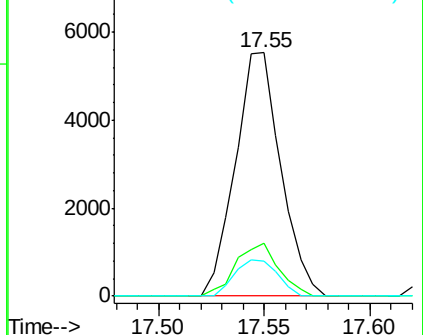


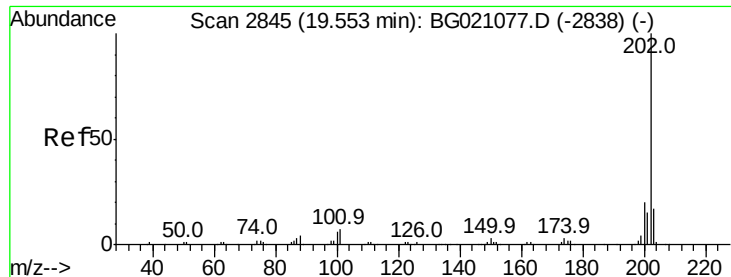
#70
 Phenanthrene
 Concen: 2.52 ng
 RT: 17.55 min Scan# 2504
 Delta R.T. -0.01 min
 Lab File: BG021149.D
 Acq: 28 Feb 2016 13:19

Tgt Ion:178 Resp: 8266
 Ion Ratio Lower Upper
 178 100
 176 21.9 16.2 24.4
 179 14.4 12.9 19.3



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: 4.72 ng

RT: 19.54 min Scan# 2843

Delta R.T. -0.01 min

Lab File: BG021149.D

Acq: 28 Feb 2016 13:19

Instrument :

BNA_G

ClientSampleId :

POST-EX-13-20160211

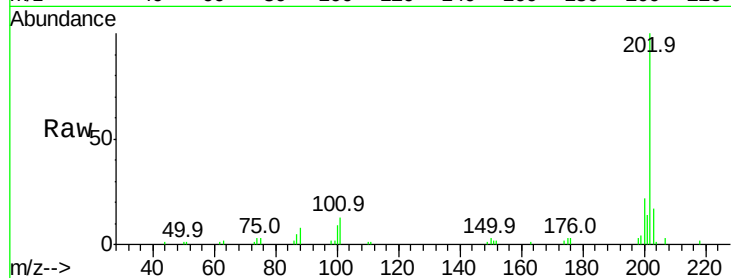
Tot Ion:202 Resp: 19419

Ion Ratio Lower Upper

202 100

101 12.5 0.0 32.5

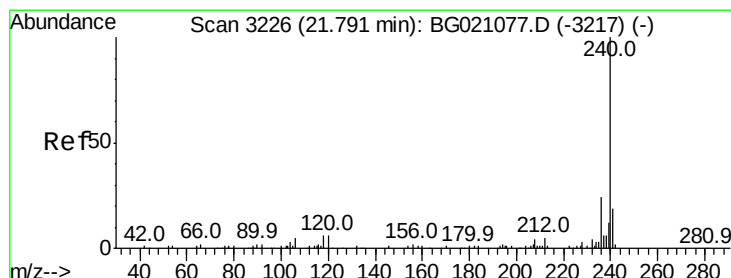
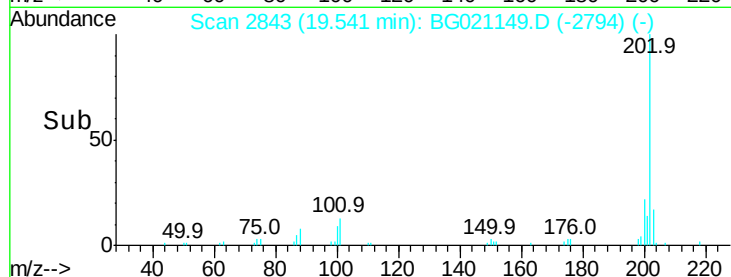
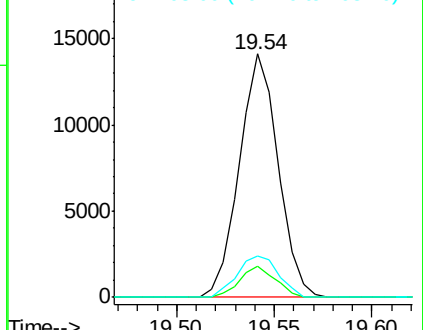
203 16.9 0.0 37.6



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: 21.77 min Scan# 3222

Delta R.T. -0.02 min

Lab File: BG021149.D

Acq: 28 Feb 2016 13:19

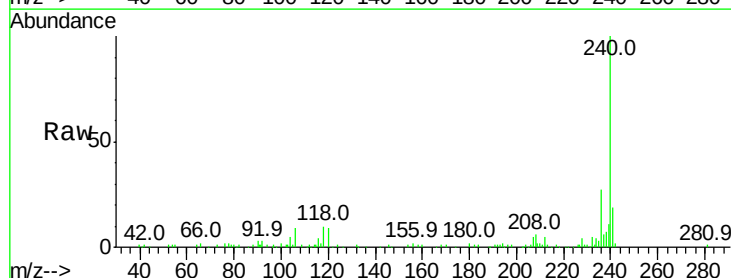
Tgt Ion:240 Resp: 63780

Ion Ratio Lower Upper

240 100

120 9.0 7.5 11.3

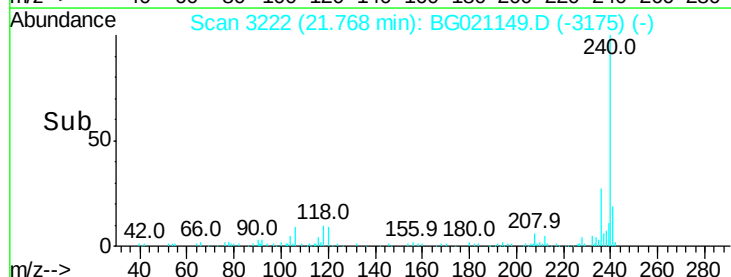
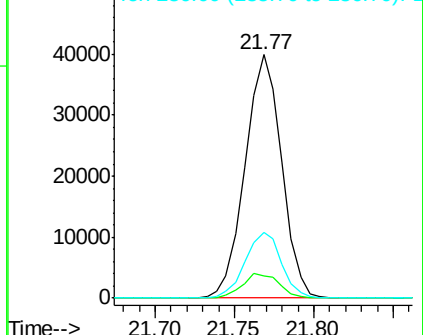
236 26.9 20.5 30.7

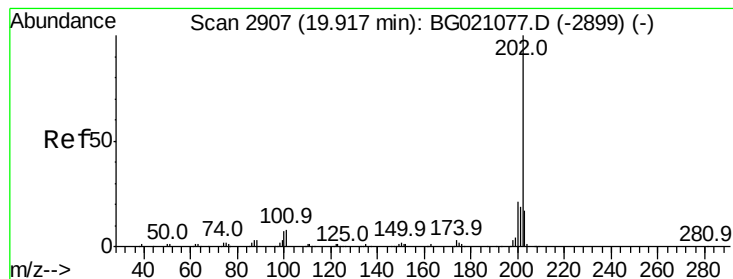


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 5.49 ng

RT: 19.90 min Scan# 2904

Delta R.T. -0.02 min

Lab File: BG021149.D

Acq: 28 Feb 2016 13:19

Instrument :

BNA_G

ClientSampleId :

POST-EX-13-20160211

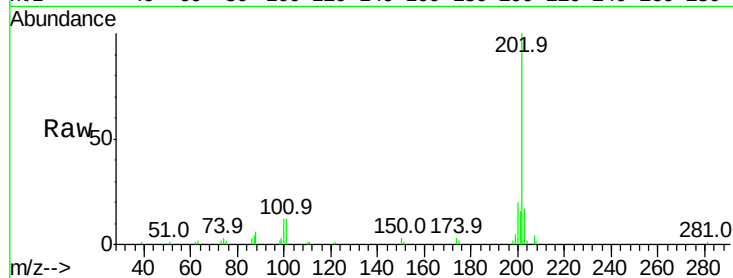
Tot Ion:202 Resp: 19374

Ion Ratio Lower Upper

202 100

200 20.4 16.6 25.0

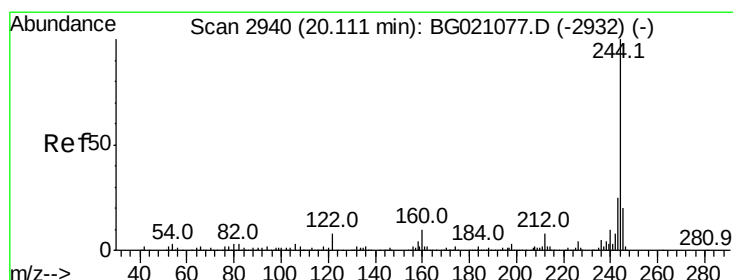
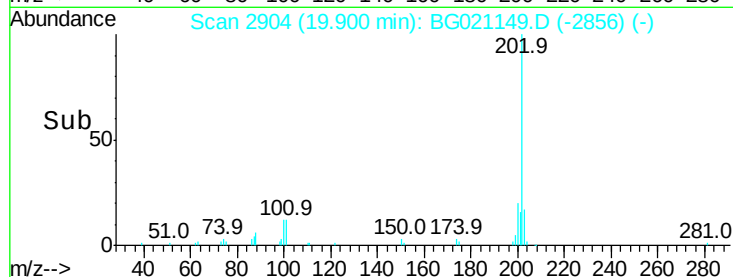
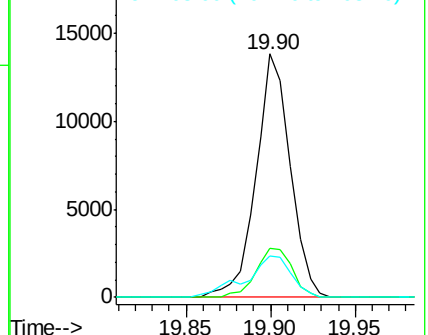
203 16.9 13.8 20.8



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: 1.81 ng

RT: 20.09 min Scan# 2937

Delta R.T. -0.02 min

Lab File: BG021149.D

Acq: 28 Feb 2016 13:19

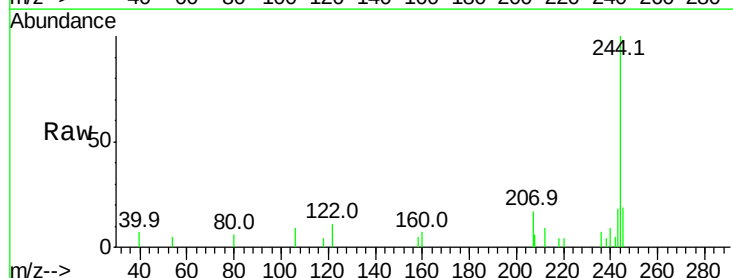
Tgt Ion:244 Resp: 4948

Ion Ratio Lower Upper

244 100

212 8.9 5.8 8.6#

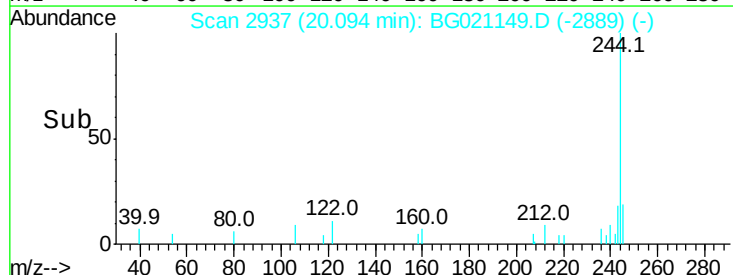
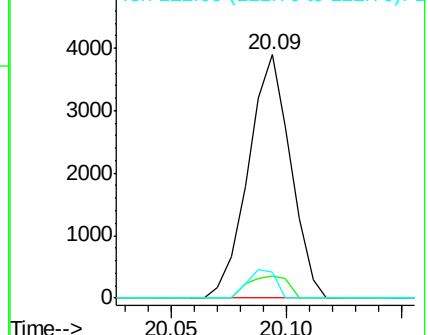
122 10.9 8.3 12.5

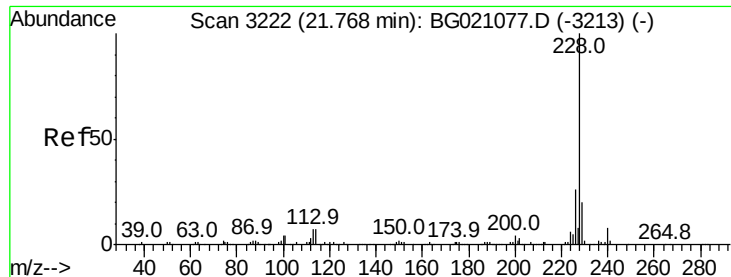


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 3.02 ng

RT: 21.75 min Scan# 3219

Delta R.T. -0.02 min

Lab File: BG021149.D

Acq: 28 Feb 2016 13:19

Instrument :

BNA_G

ClientSampleId :

POST-EX-13-20160211

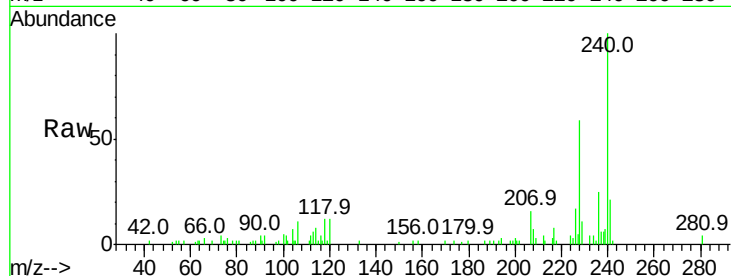
Tot Ion:228 Resp: 11100

Ion Ratio Lower Upper

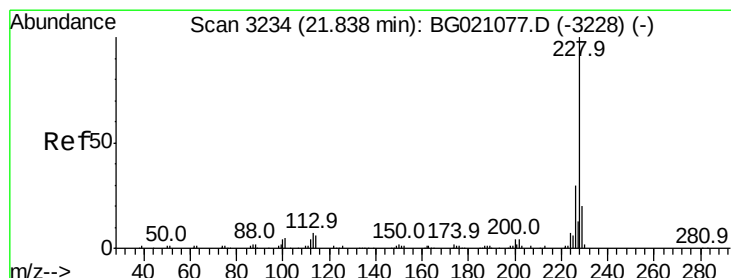
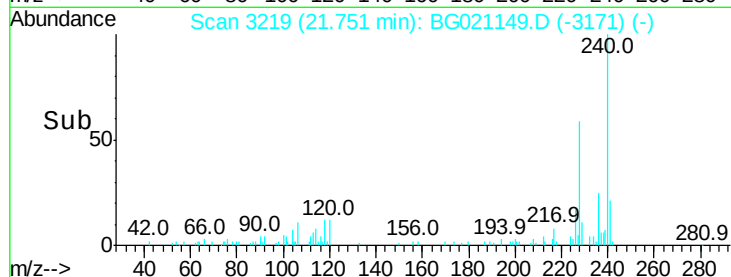
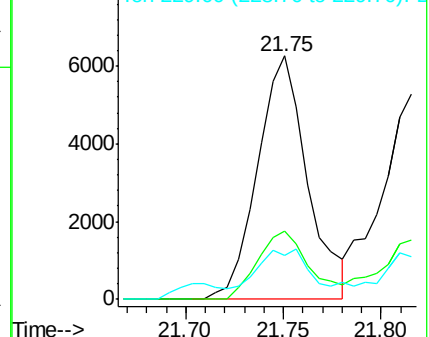
228 100

226 28.3 22.7 34.1

229 17.8 15.5 23.3



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: 2.70 ng

RT: 21.82 min Scan# 3230

Delta R.T. -0.02 min

Lab File: BG021149.D

Acq: 28 Feb 2016 13:19

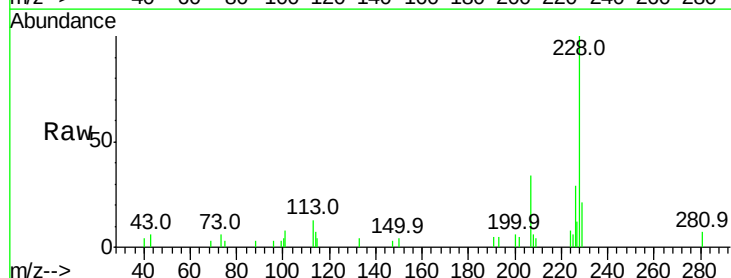
Tgt Ion:228 Resp: 9533

Ion Ratio Lower Upper

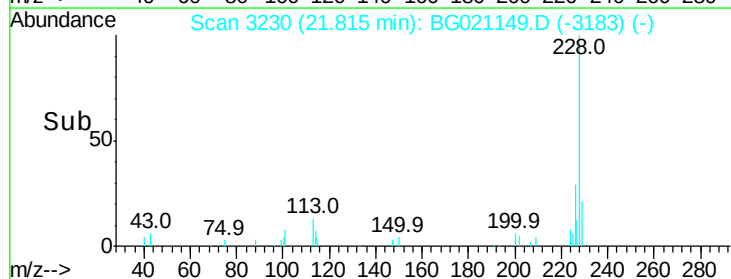
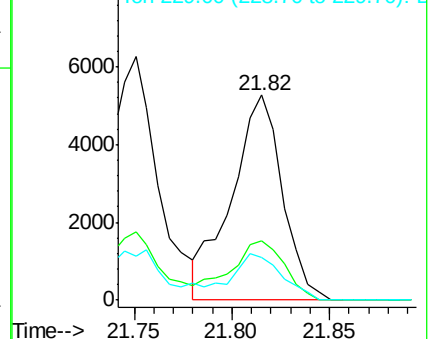
228 100

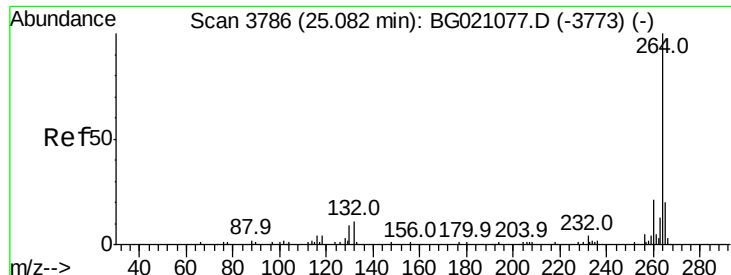
226 29.0 23.7 35.5

229 20.6 16.7 25.1



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

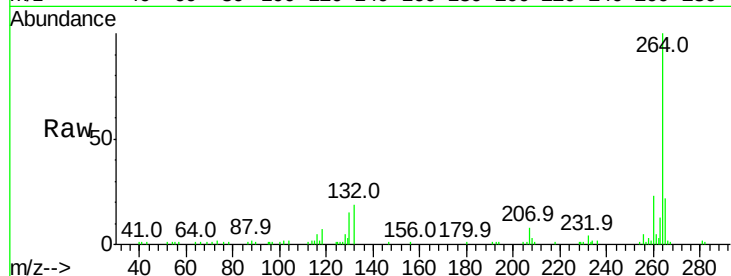




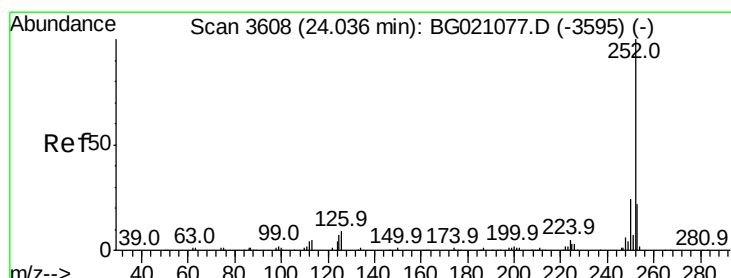
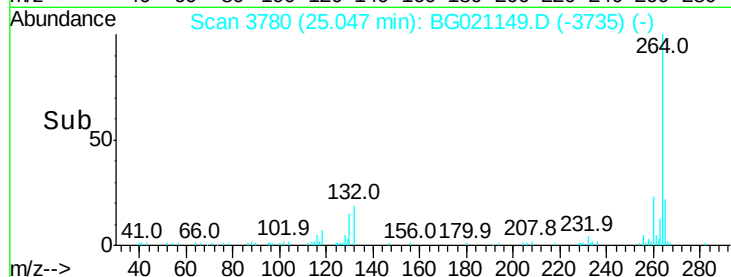
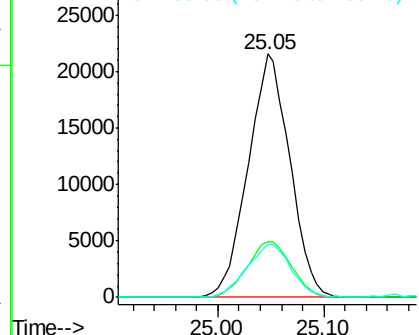
#86
Pervlene-d12
Concen: 20.00 ng
RT: 25.05 min Scan# 3780
Delta R.T. -0.03 min
Lab File: BG021149.D
Acq: 28 Feb 2016 13:19

Instrument :
BNA_G
ClientSampleId :
POST-EX-13-20160211

Tot Ion:264 Resp: 59079
Ion Ratio Lower Upper
264 100
260 22.7 18.5 27.7
265 21.9 18.6 28.0

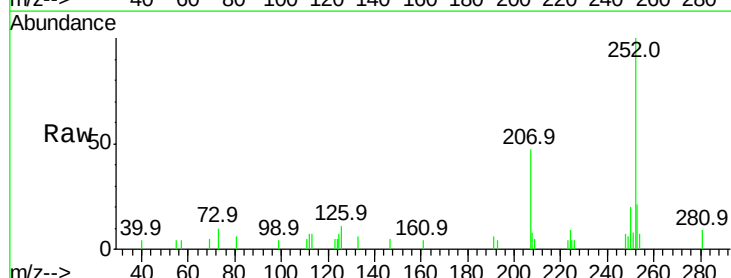


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

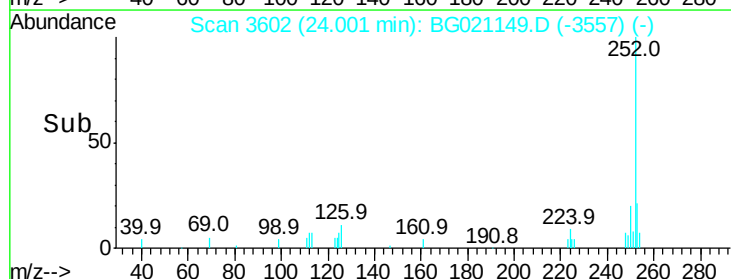
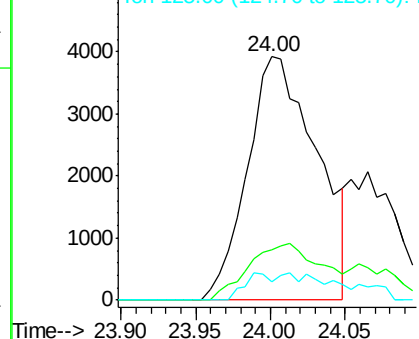


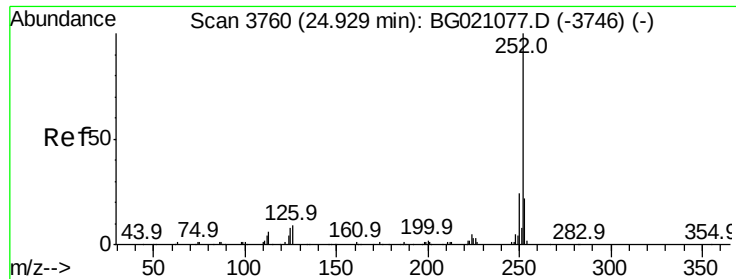
#87
Benzo(b)fluoranthene
Concen: 3.44 ng
RT: 24.00 min Scan# 3602
Delta R.T. -0.03 min
Lab File: BG021149.D
Acq: 28 Feb 2016 13:19

Tgt Ion:252 Resp: 12692
Ion Ratio Lower Upper
252 100
253 20.7 16.8 25.2
125 7.4 8.2 12.2#



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: 2.62 ng

RT: 24.89 min Scan# 3753

Delta R.T. -0.04 min

Lab File: BG021149.D

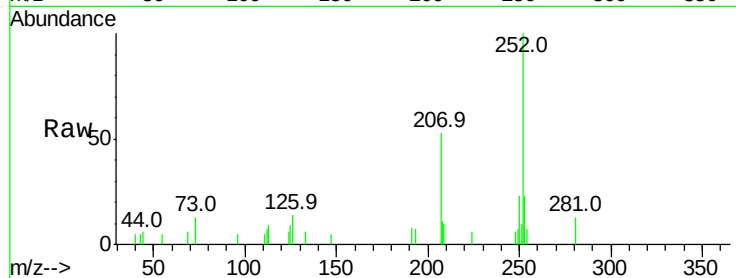
Acq: 28 Feb 2016 13:19

Instrument :

BNA_G

ClientSampleId :

POST-EX-13-20160211



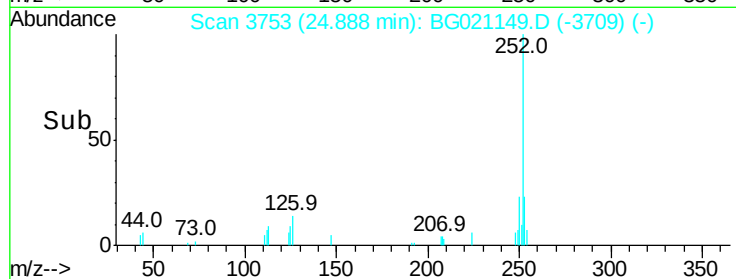
Tot Ion: 252 Resp: 9271

Ion Ratio Lower Upper

252 100

253 22.6 15.8 23.8

125 9.3 8.4 12.6



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

