

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG022316\
 Data File : BG021050.D
 Acq On : 24 Feb 2016 7:11
 Operator : UM/SJ
 Sample : H1442-05
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 POST-EX-14-20160211

Quant Time: Feb 24 09:55:53 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG022316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 24 00:35:06 2016
 Response via : Initial Calibration

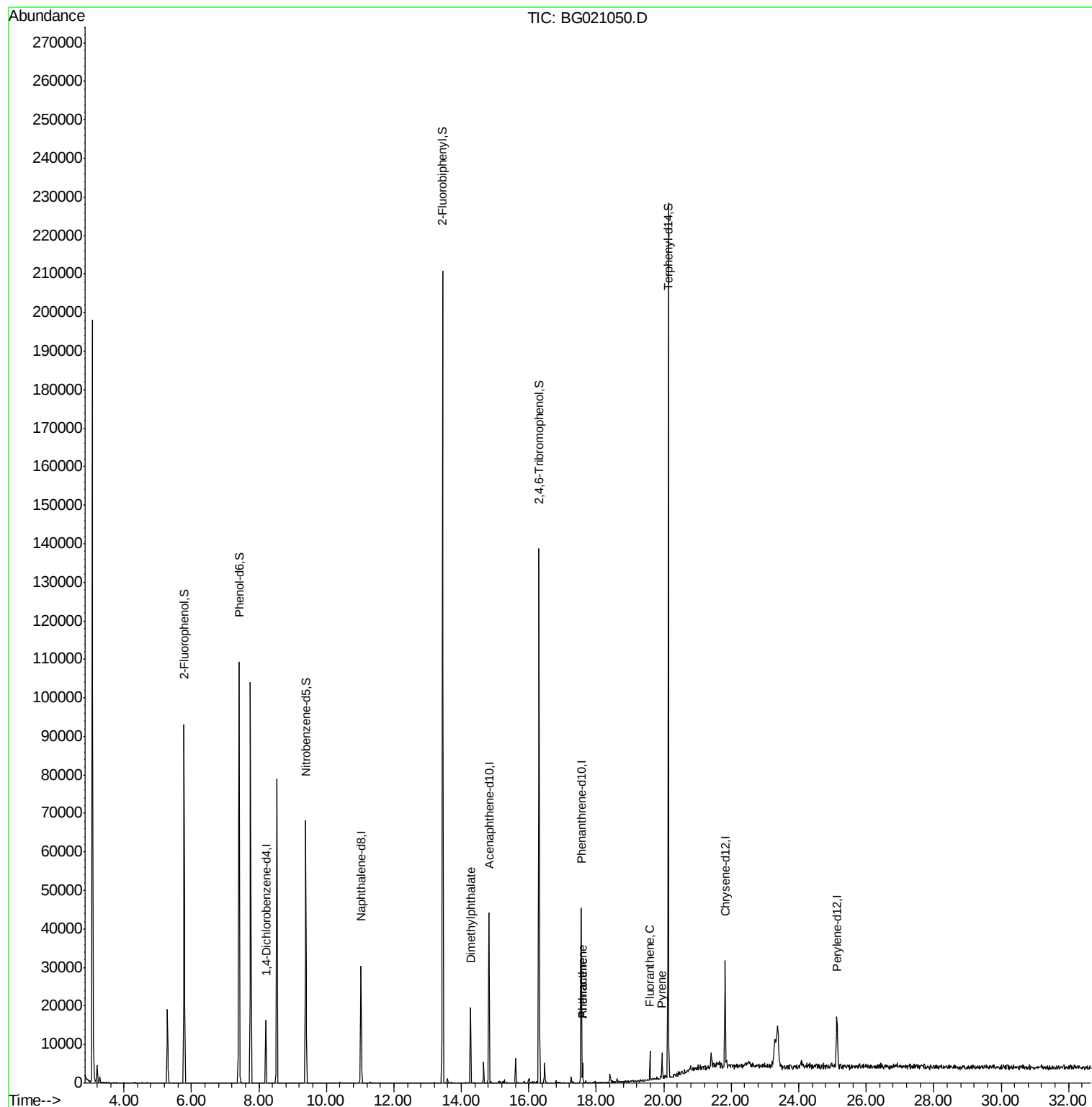
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.20	152	5321	20.00	ng	0.00
21) Naphthalene-d8	11.02	136	27572	20.00	ng	0.00
38) Acenaphthene-d10	14.82	164	15675	20.00	ng	0.00
63) Phenanthrene-d10	17.55	188	28673	20.00	ng	0.00
75) Chrysene-d12	21.82	240	17696	20.00	ng	0.00
86) Perylene-d12	25.13	264	16731	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.78	112	43126	142.09	ng	0.00
7) Phenol-d6	7.41	99	67400	144.20	ng	0.00
23) Nitrobenzene-d5	9.39	82	44271	94.27	ng	0.00
41) 2,4,6-Tribromophenol	16.31	330	23598	125.67	ng	0.00
44) 2-Fluorobiphenyl	13.44	172	103301	91.74	ng	0.00
78) Terphenyl-d14	20.14	244	85729	62.87	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	14.27	163	13929	10.90	ng	98
70) Phenanthrene	17.60	178	3886	2.40	ng	98
71) Anthracene	17.60	178	3886	2.40	ng	96
74) Fluoranthene	19.59	202	5416	3.32	ng	97
77) Pyrene	19.95	202	4569	2.26	ng	98

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

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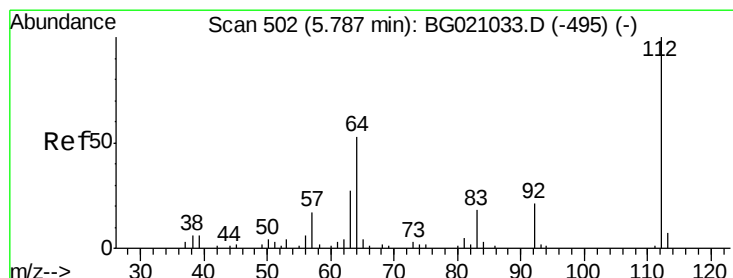
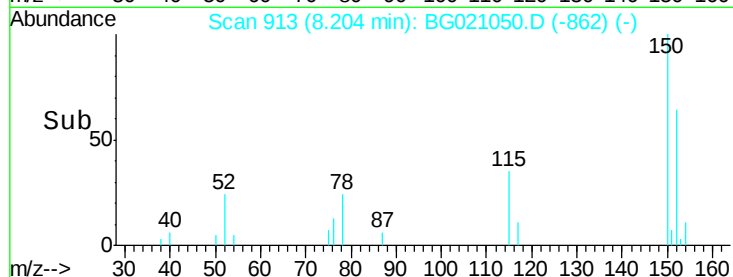
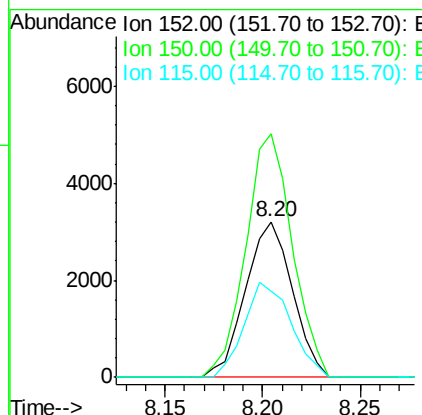
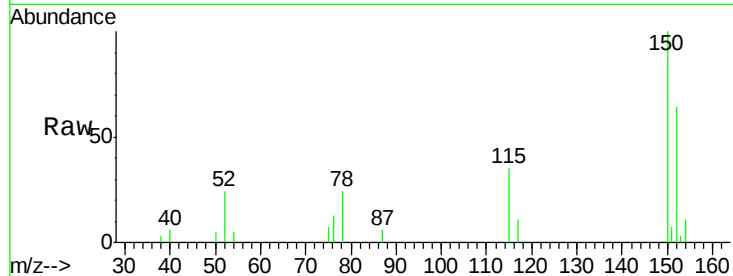




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 8.20 min Scan# 913
 Delta R.T. -0.00 min
 Lab File: BG021050.D
 Acq: 24 Feb 2016 7:11

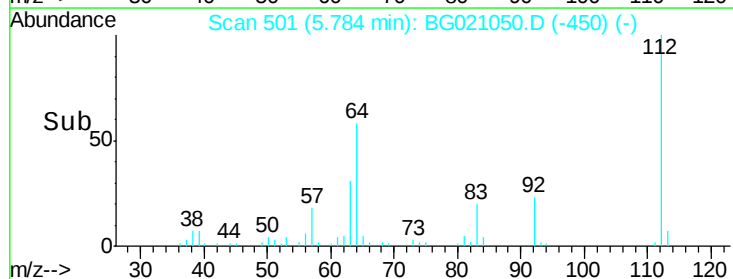
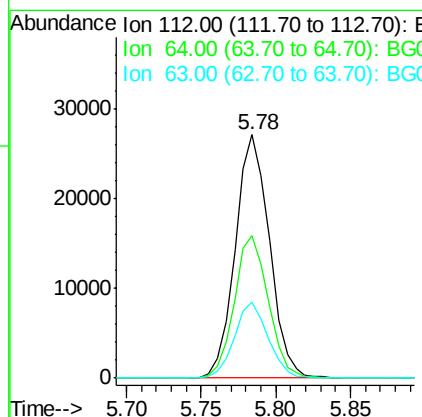
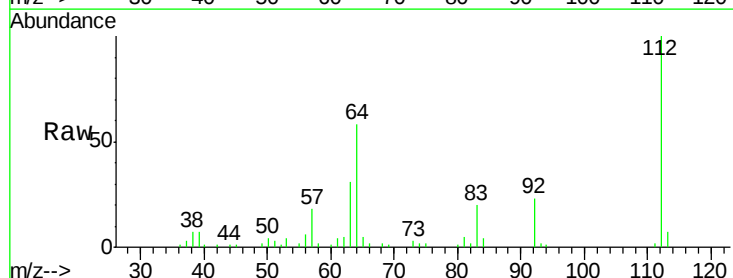
Instrument :
 BNA_G
 ClientSampleId :
 POST-EX-14-20160211

Tgt Ion:152 Resp: 5321
 Ion Ratio Lower Upper
 152 100
 150 156.2 123.4 185.2
 115 55.2 43.3 64.9



#5
 2-Fluorophenol
 Concen: 142.09 ng
 RT: 5.78 min Scan# 501
 Delta R.T. -0.00 min
 Lab File: BG021050.D
 Acq: 24 Feb 2016 7:11

Tgt Ion:112 Resp: 43126
 Ion Ratio Lower Upper
 112 100
 64 58.4 42.6 63.8
 63 31.2 21.7 32.5





#7

Phenol-d6

Concen: 144.20 ng

RT: 7.41 min Scan# 778

Delta R.T. -0.00 min

Lab File: BG021050.D

Acq: 24 Feb 2016 7:11

Instrument :

BNA_G

ClientSampleId :

POST-EX-14-20160211

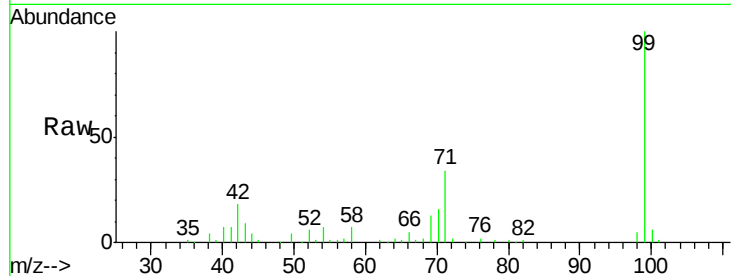
Tgt Ion: 99 Resp: 67400

Ion Ratio Lower Upper

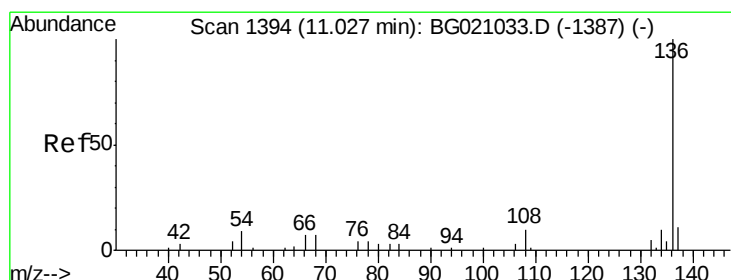
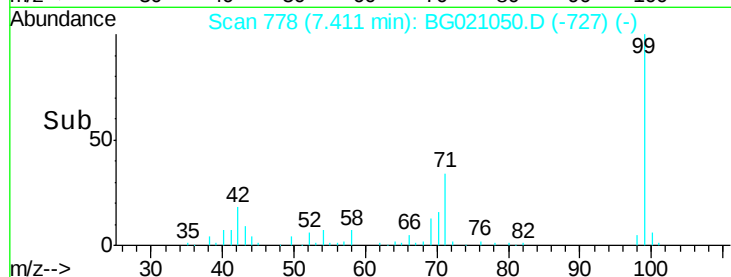
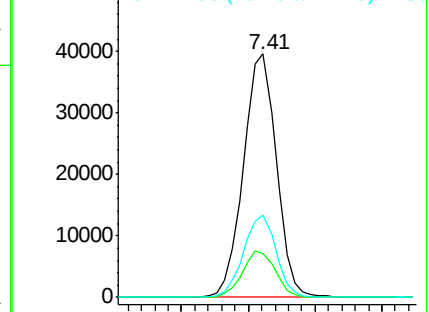
99 100

42 18.1 13.2 19.8

71 33.8 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: 11.02 min Scan# 1393

Delta R.T. -0.00 min

Lab File: BG021050.D

Acq: 24 Feb 2016 7:11

Tgt Ion: 136 Resp: 27572

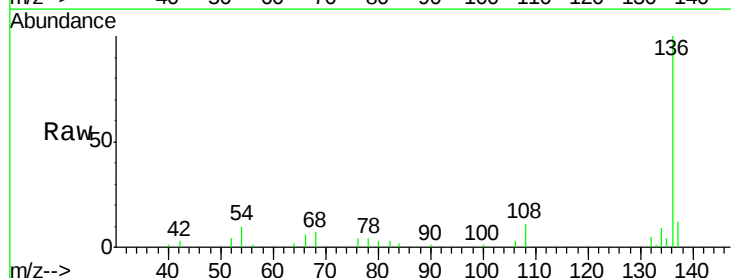
Ion Ratio Lower Upper

136 100

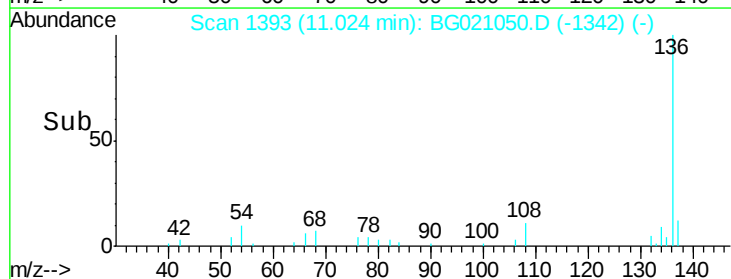
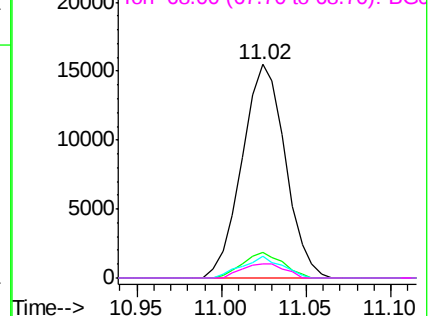
137 12.2 8.8 13.2

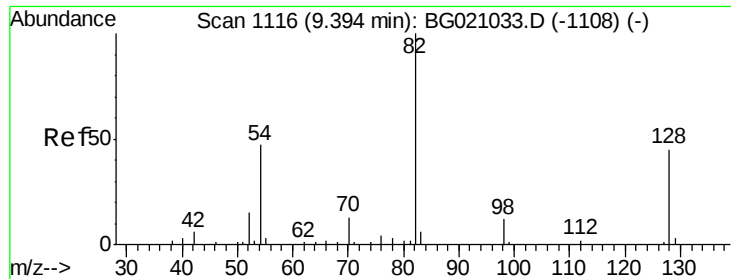
54 10.0 6.9 10.3

68 6.5 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

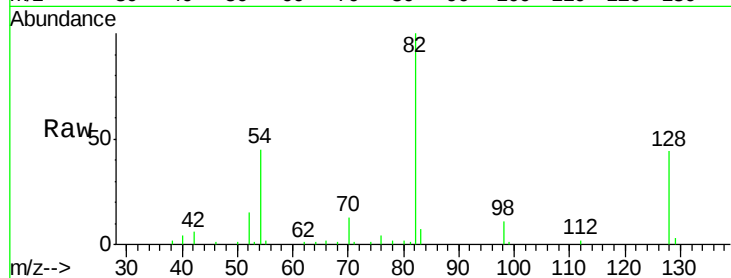




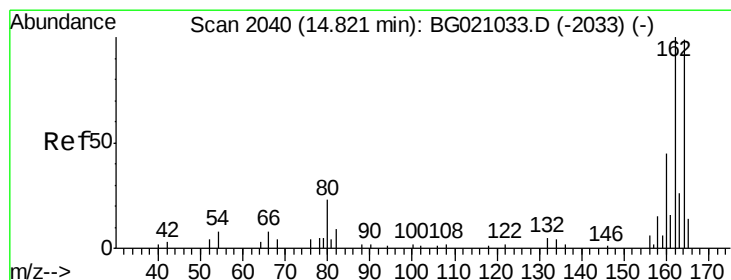
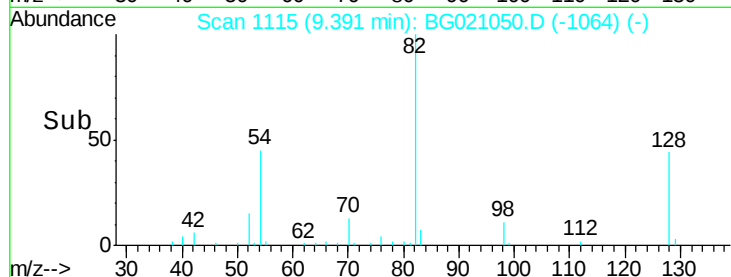
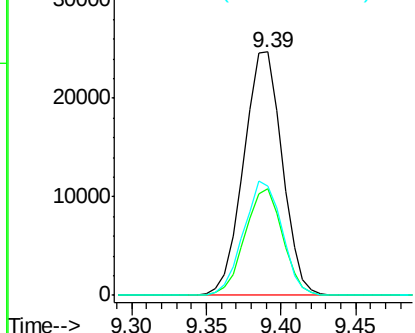
#23
 Nitrobenzene-d5
 Concen: 94.27 ng
 RT: 9.39 min Scan# 1115
 Delta R.T. -0.00 min
 Lab File: BG021050.D
 Acq: 24 Feb 2016 7:11

Instrument :
 BNA_G
 ClientSampleId :
 POST-EX-14-20160211

Tgt Ion	Ratio	Lower	Upper
82	100		
128	44.0	36.3	54.5
54	45.1	37.6	56.4

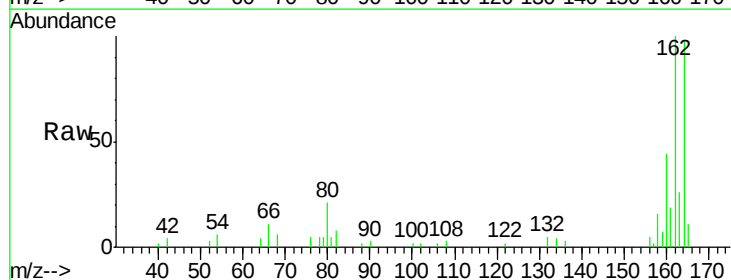


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

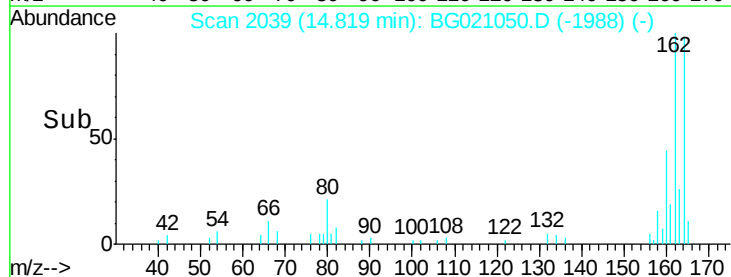
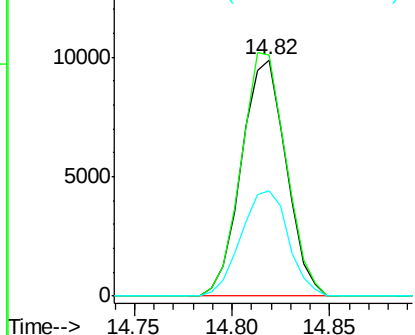


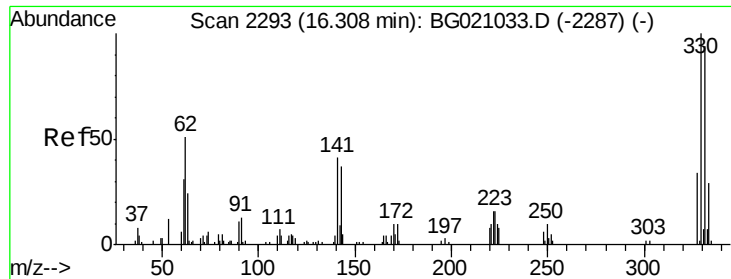
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.82 min Scan# 2039
 Delta R.T. -0.00 min
 Lab File: BG021050.D
 Acq: 24 Feb 2016 7:11

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.8	80.6	120.8
160	44.7	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: 125.67 ng

RT: 16.31 min Scan# 2292

Delta R.T. -0.00 min

Lab File: BG021050.D

Acq: 24 Feb 2016 7:11

Instrument :

BNA_G

ClientSampleId :

POST-EX-14-20160211

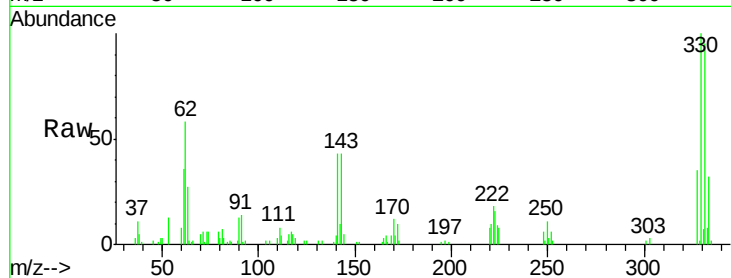
Tgt Ion:330 Resp: 23598

Ion Ratio Lower Upper

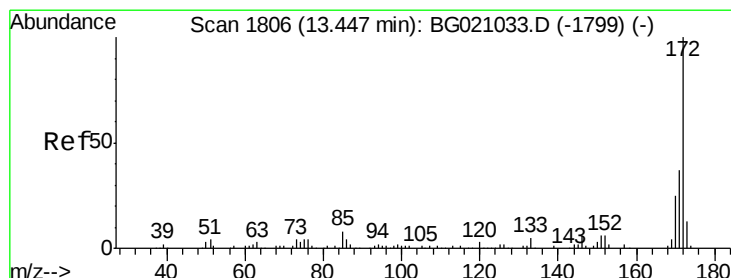
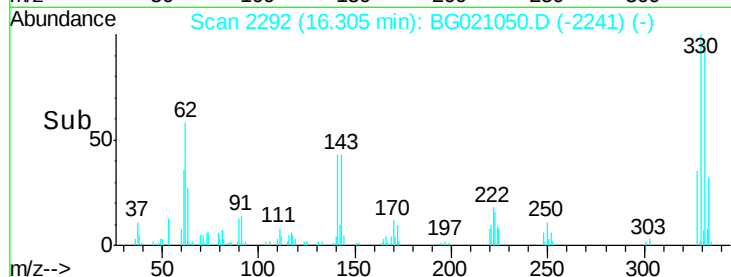
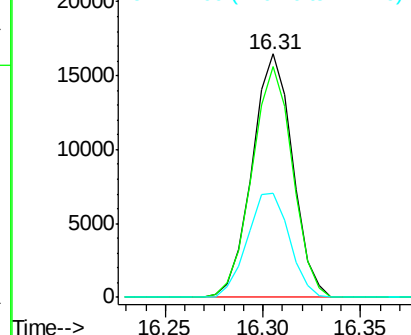
330 100

332 95.3 77.4 116.0

141 44.6 35.3 52.9



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: 91.74 ng

RT: 13.44 min Scan# 1805

Delta R.T. -0.00 min

Lab File: BG021050.D

Acq: 24 Feb 2016 7:11

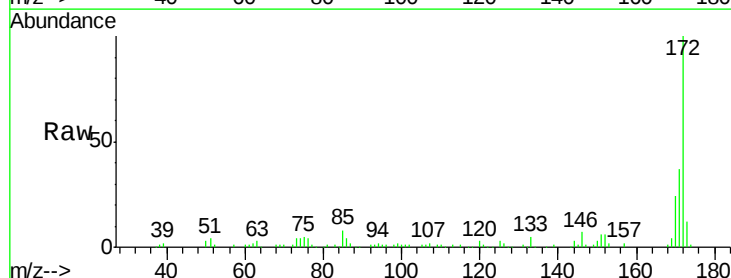
Tgt Ion:172 Resp: 103301

Ion Ratio Lower Upper

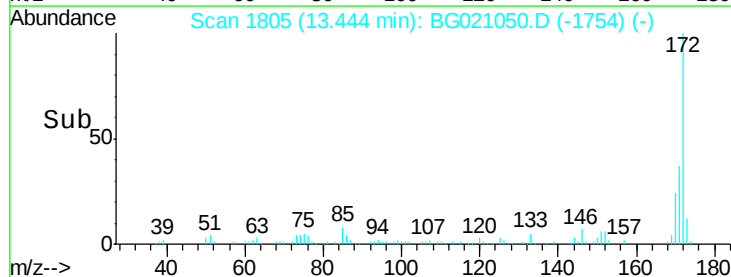
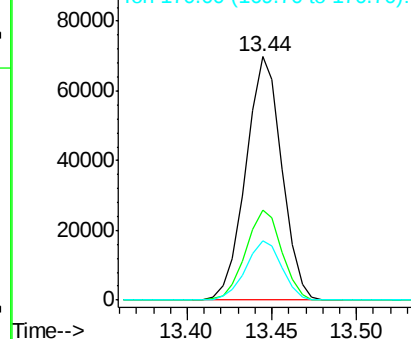
172 100

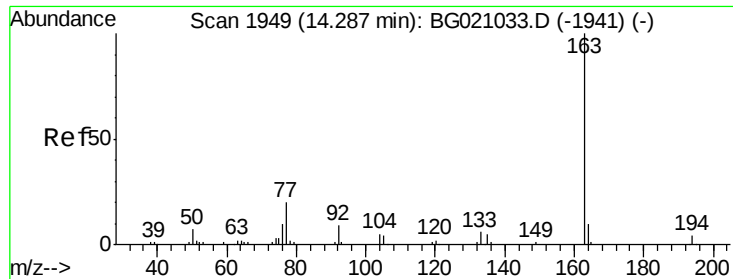
171 36.9 29.4 44.0

170 24.5 19.8 29.8



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: 10.90 ng

RT: 14.27 min Scan# 1946

Delta R.T. -0.01 min

Lab File: BG021050.D

Acq: 24 Feb 2016 7:11

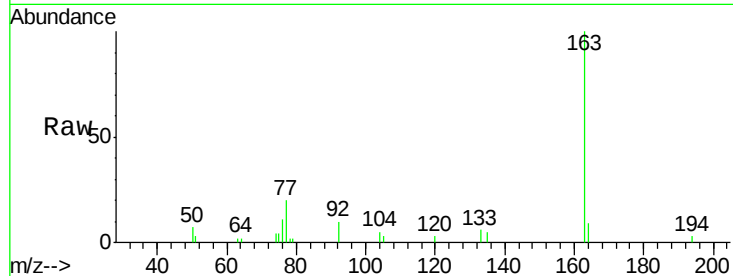
Instrument :

BNA_G

ClientSampleId :

POST-EX-14-20160211

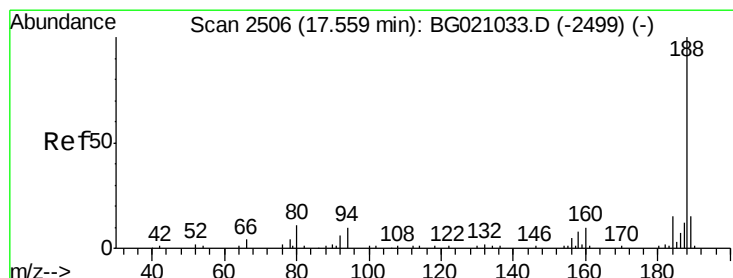
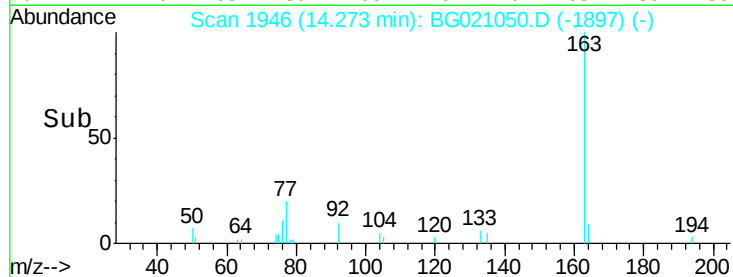
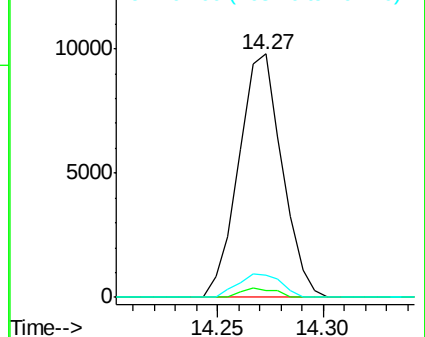
Tgt Ion:	163	Resp:	13929
Ion	Ratio	Lower	Upper
163	100		
194	3.0	2.8	4.2
164	8.9	7.9	11.9



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

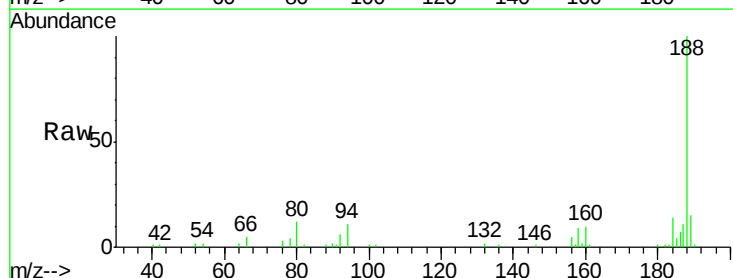
RT: 17.55 min Scan# 2504

Delta R.T. -0.01 min

Lab File: BG021050.D

Acq: 24 Feb 2016 7:11

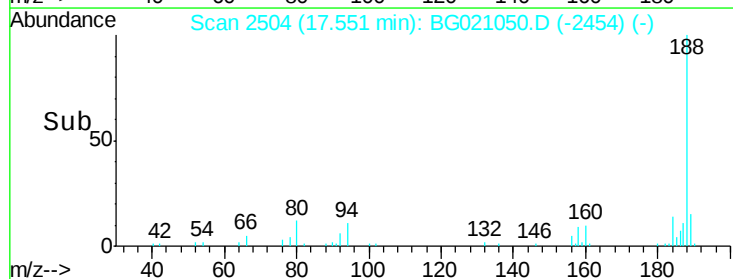
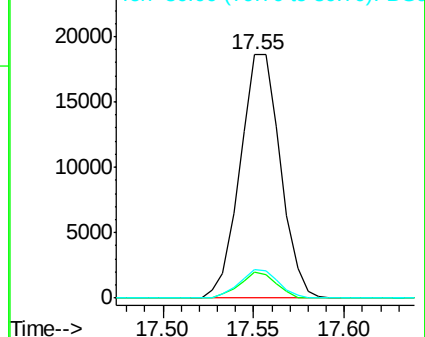
Tgt Ion:	188	Resp:	28673
Ion	Ratio	Lower	Upper
188	100		
94	10.5	8.2	12.4
80	11.6	9.2	13.8

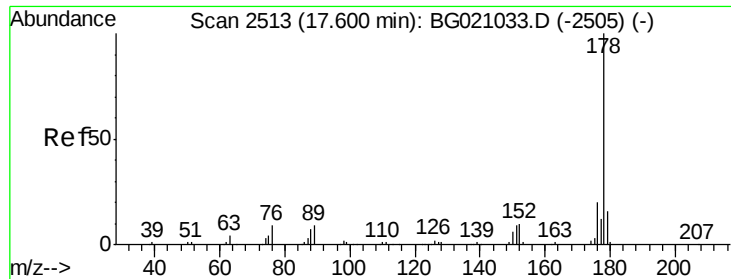


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#70

Phenanthrene

Concen: 2.40 ng

RT: 17.60 min Scan# 2512

Delta R.T. -0.00 min

Lab File: BG021050.D

Acq: 24 Feb 2016 7:11

Instrument :

BNA_G

ClientSampleId :

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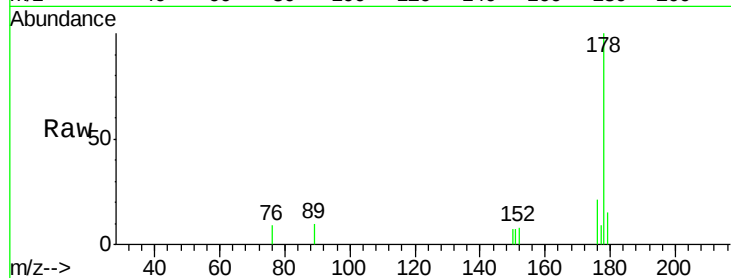
Tgt Ion:178 Resp: 3886

Ion Ratio Lower Upper

178 100

176 21.2 16.2 24.4

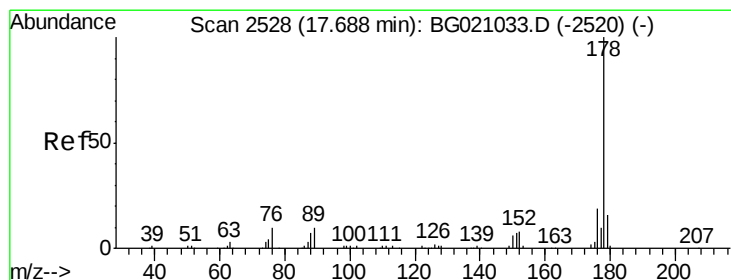
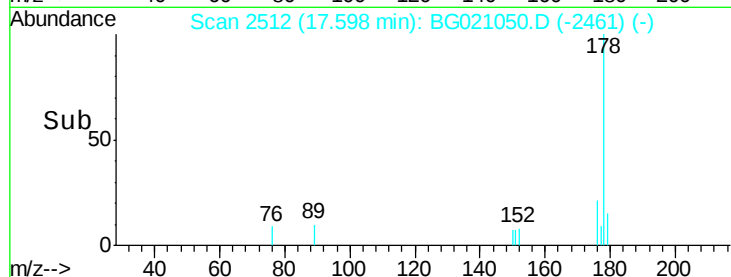
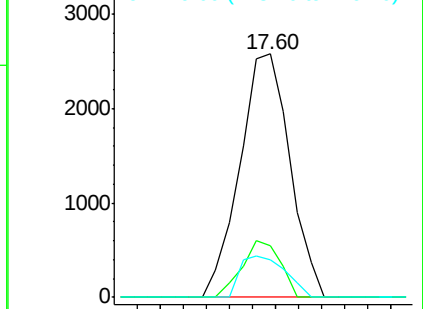
179 15.2 12.9 19.3



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



#71

Anthracene

Concen: 2.40 ng

RT: 17.60 min Scan# 2512

Delta R.T. -0.09 min

Lab File: BG021050.D

Acq: 24 Feb 2016 7:11

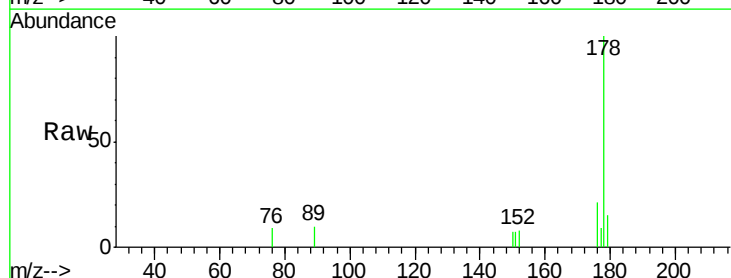
Tgt Ion:178 Resp: 3886

Ion Ratio Lower Upper

178 100

176 21.2 14.8 22.2

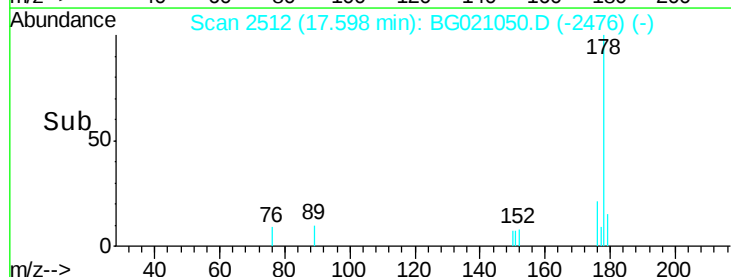
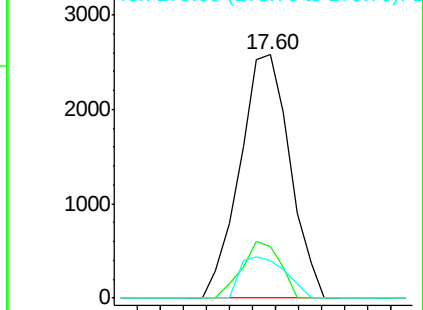
179 15.2 12.6 19.0

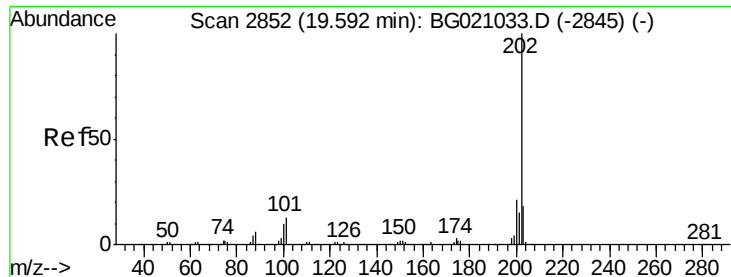


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 3.32 ng

RT: 19.59 min Scan# 2851

Delta R.T. -0.00 min

Lab File: BG021050.D

Acq: 24 Feb 2016 7:11

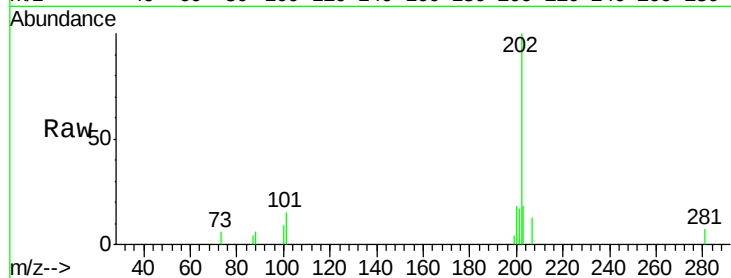
Instrument :

BNA_G

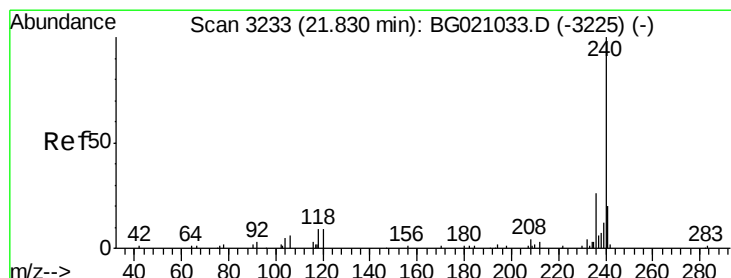
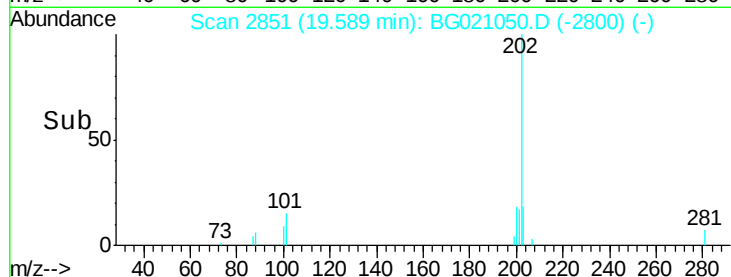
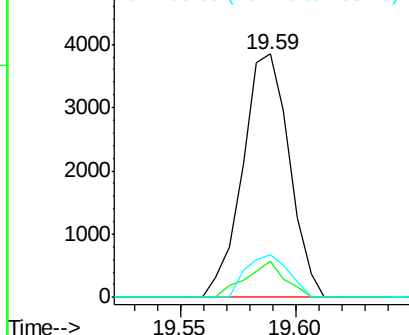
ClientSampleId :

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Tgt Ion:	202	Resp:	5416
Ion	Ratio	Lower	Upper
202	100		
101	14.8	0.0	32.5
203	17.8	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

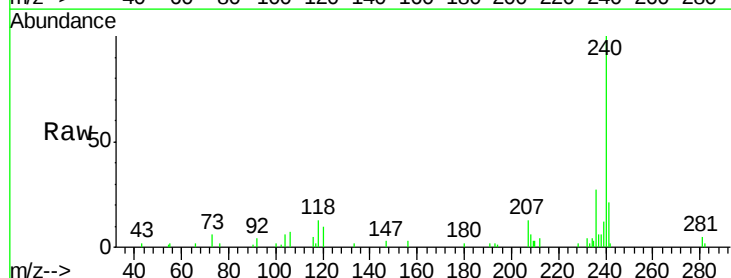
RT: 21.82 min Scan# 3231

Delta R.T. -0.01 min

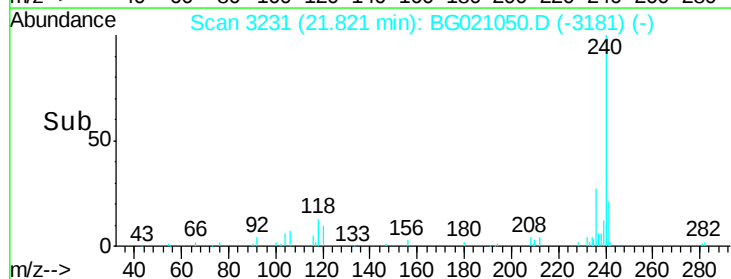
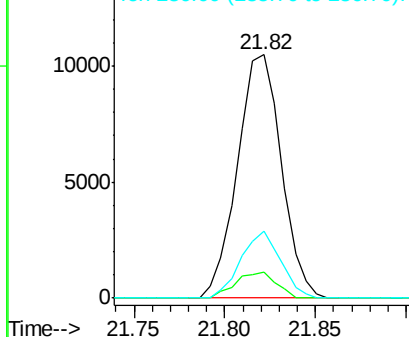
Lab File: BG021050.D

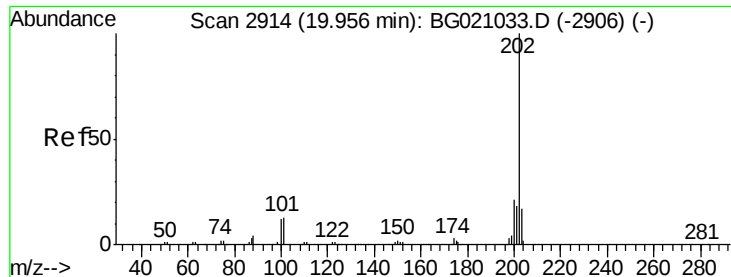
Acq: 24 Feb 2016 7:11

Tgt Ion:	240	Resp:	17696
Ion	Ratio	Lower	Upper
240	100		
120	10.5	7.5	11.3
236	27.3	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

Pyrene

Concen: 2.26 ng

RT: 19.95 min Scan# 2912

Delta R.T. -0.01 min

Lab File: BG021050.D

Acq: 24 Feb 2016 7:11

Instrument :

BNA_G

ClientSampleId :

POST-EX-14-20160211

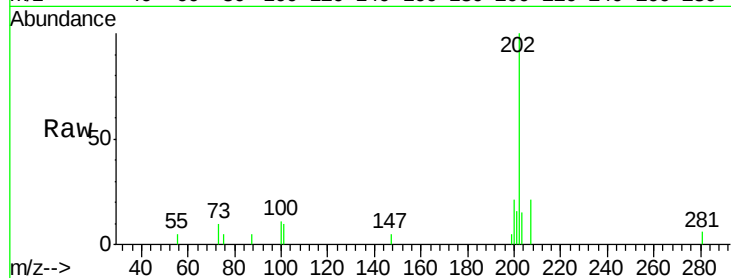
Tgt Ion: 202 Resp: 4569

Ion Ratio Lower Upper

202 100

200 21.2 16.6 25.0

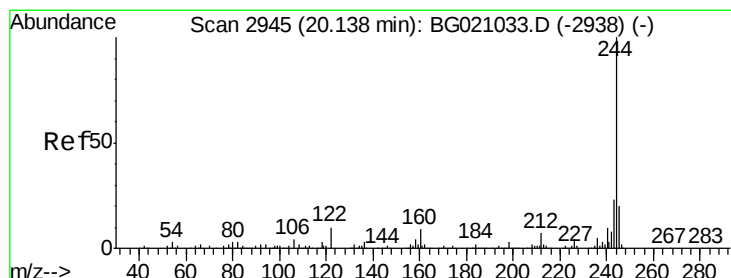
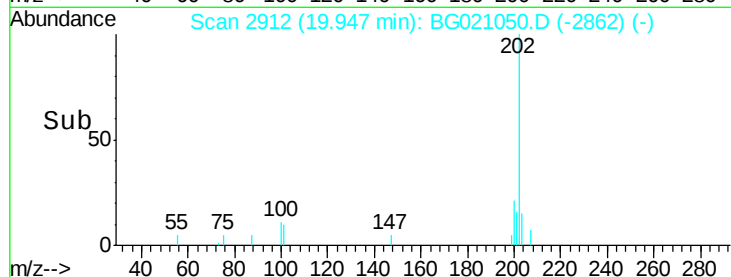
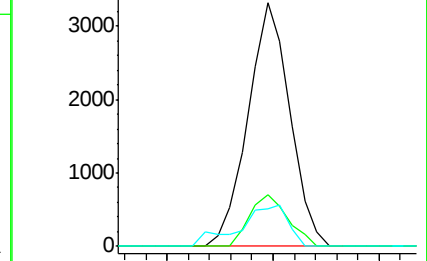
203 15.5 13.8 20.8



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: 62.87 ng

RT: 20.14 min Scan# 2944

Delta R.T. -0.00 min

Lab File: BG021050.D

Acq: 24 Feb 2016 7:11

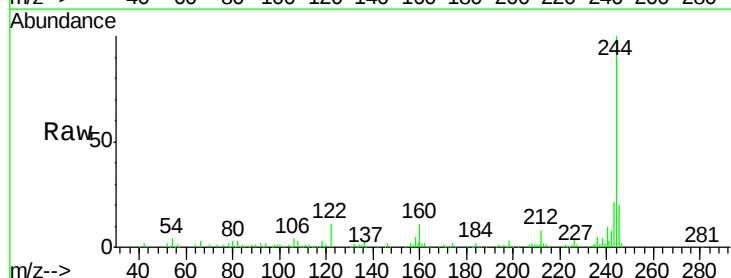
Tgt Ion: 244 Resp: 85729

Ion Ratio Lower Upper

244 100

212 7.9 5.8 8.6

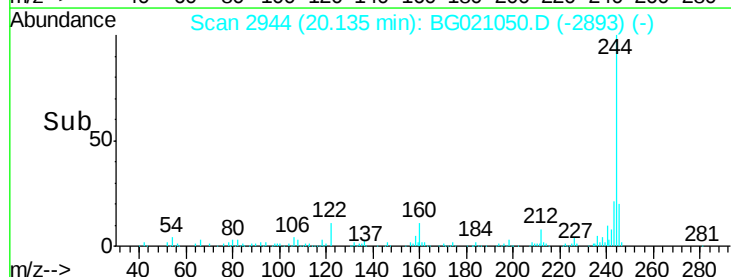
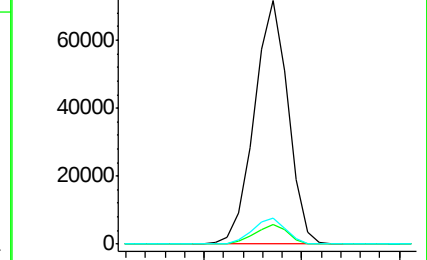
122 10.5 8.3 12.5

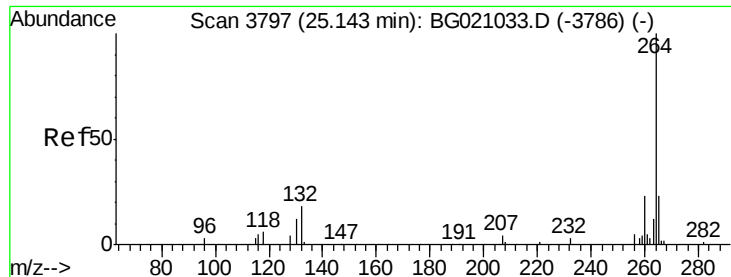


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

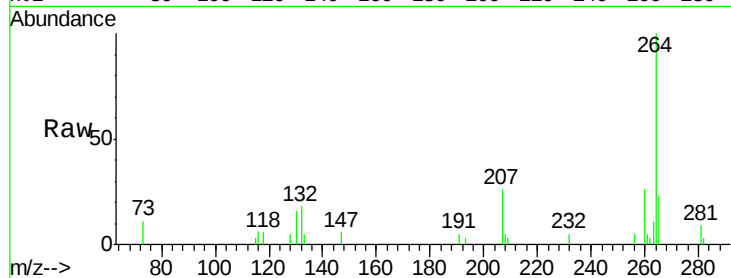




#86
Perylene-d12
Concen: 20.00 ng
RT: 25.13 min Scan# 3795
Delta R.T. -0.01 min
Lab File: BG021050.D
Acq: 24 Feb 2016 7:11

Instrument :
BNA_G
ClientSampleId :
POST-EX-14-20160211

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.6	18.5	27.7
265	22.6	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

