

Data Path : Z:\HPCHEM1\BNA G\DATA\BG030116\
 Data File : BG021203.D
 Acq On : 2 Mar 2016 3:41
 Operator : UM/SJ
 Sample : H1579-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 P-11

Quant Time: Mar 02 05:45:07 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 29 17:40:25 2016
 Response via : Initial Calibration

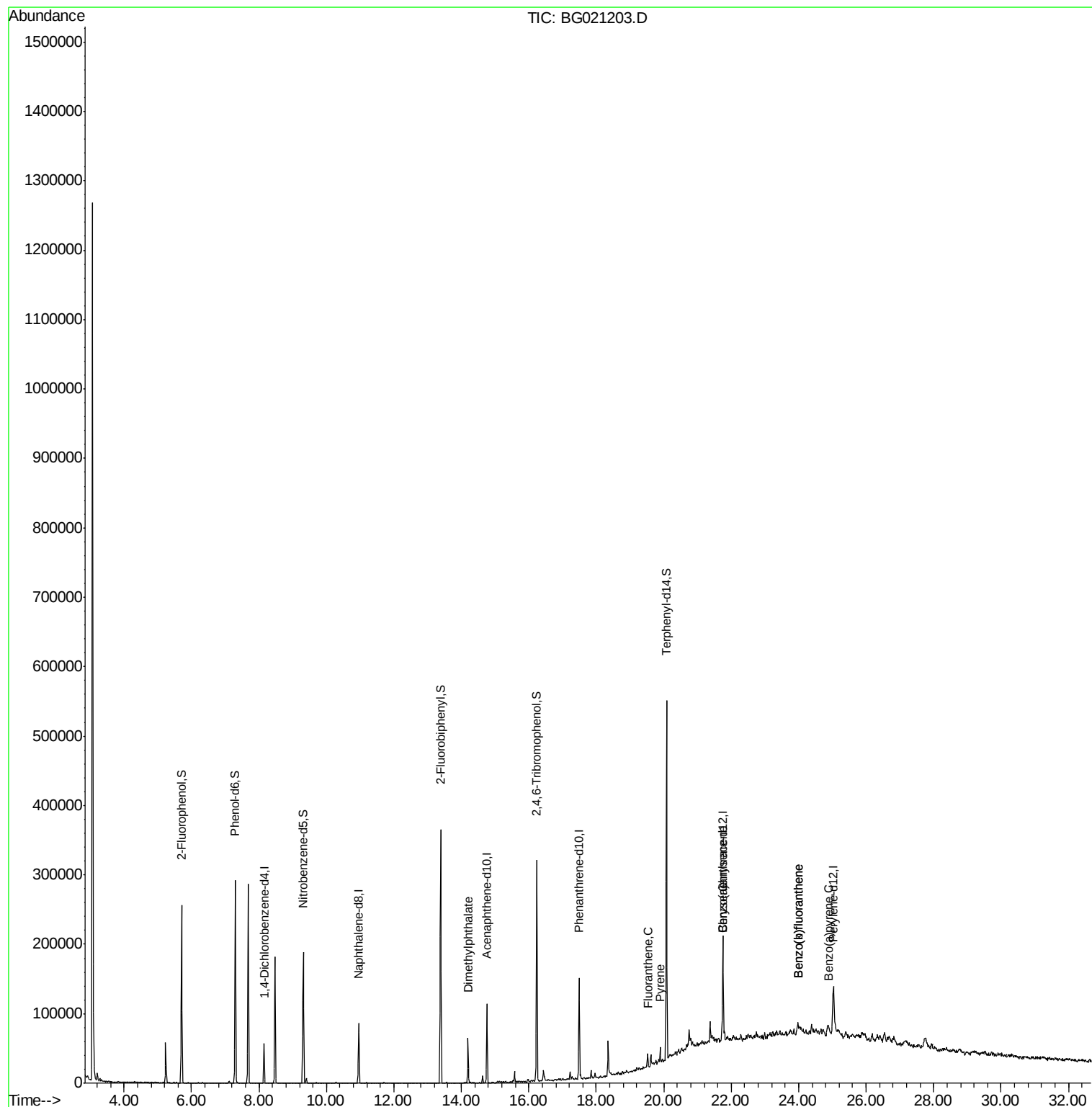
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	14313	20.00	ng	0.00
21) Naphthalene-d8	10.96	136	67257	20.00	ng	0.00
38) Acenaphthene-d10	14.75	164	37330	20.00	ng	0.00
63) Phenanthrene-d10	17.49	188	78557	20.00	ng	0.00
75) Chrysene-d12	21.75	240	80959	20.00	ng	-0.02
86) Perylene-d12	25.03	264	69953	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.71	112	101886	113.17	ng	0.00
7) Phenol-d6	7.30	99	161041	108.78	ng	0.00
23) Nitrobenzene-d5	9.31	82	118162	74.34	ng	0.00
41) 2,4,6-Tribromophenol	16.23	330	40566	104.45	ng	0.00
44) 2-Fluorobiphenyl	13.38	172	170322	64.79	ng	0.00
78) Terphenyl-d14	20.08	244	193407	57.88	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	14.20	163	38850	11.68	ng	97
74) Fluoranthene	19.53	202	11123	2.23	ng	99
77) Pyrene	19.89	202	12081	2.50	ng	98
80) Benzo(a)anthracene	21.73	228	9727	2.03	ng	96
82) Chrysene	21.73	228	9727	2.14	ng	98
87) Benzo(b)fluoranthene	23.98	252	22799	5.18	ng	# 89
88) Benzo(k)fluoranthene	23.98	252	22799	5.17	ng	# 88
89) Benzo(a)pyrene	24.88	252	8810	2.07	ng	# 84

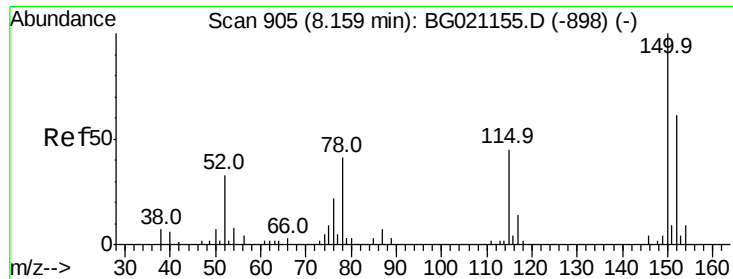
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 14 Sample Multiplier: 1

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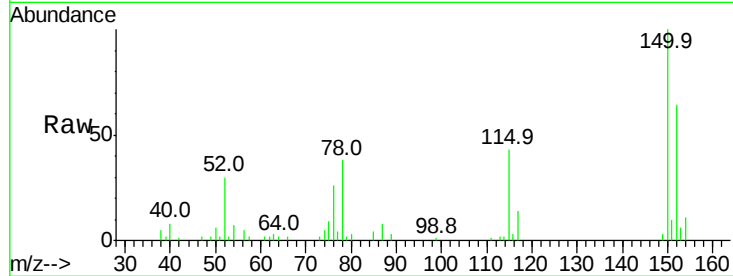


#1

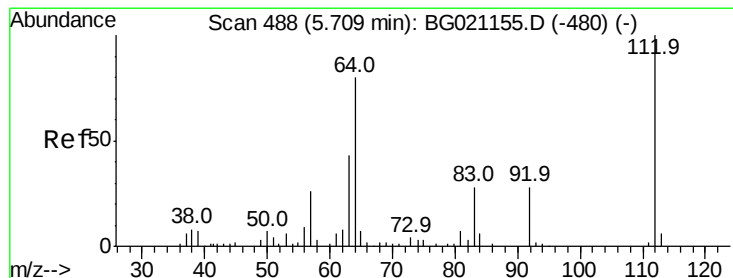
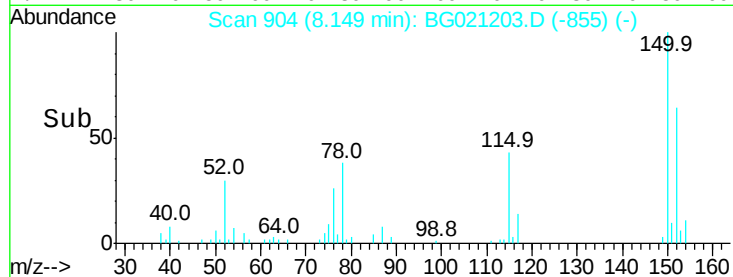
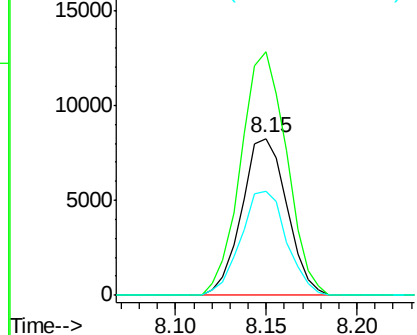
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.15 min Scan# 904
Delta R.T. -0.01 min
Lab File: BG021203.D
Acq: 2 Mar 2016 3:41

Instrument :
BNA_G
ClientSampleId :
P-11

Tot Ion:152 Resp: 14313
Ion Ratio Lower Upper
152 100
150 155.1 123.4 185.2
115 66.5 43.3 64.9#



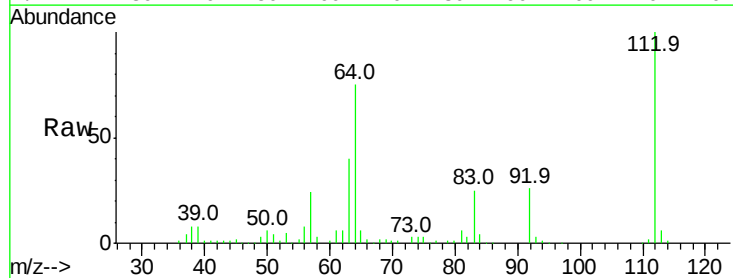
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



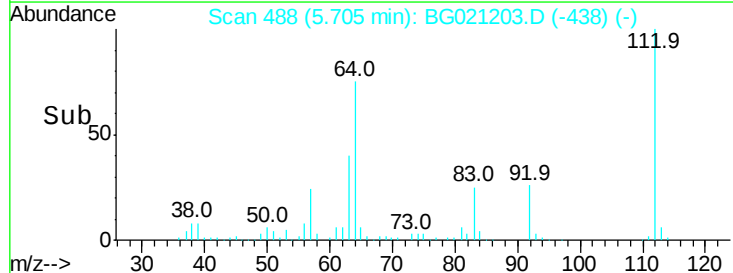
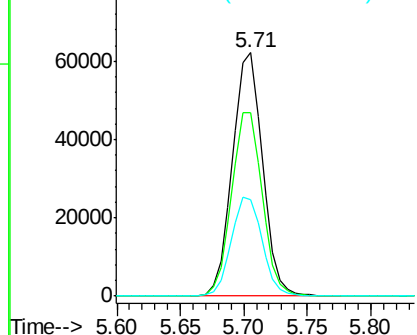
#5

2-Fluorophenol
Concen: 113.17 ng
RT: 5.71 min Scan# 488
Delta R.T. -0.00 min
Lab File: BG021203.D
Acq: 2 Mar 2016 3:41

Tgt Ion:112 Resp: 101886
Ion Ratio Lower Upper
112 100
64 75.4 42.6 63.8#
63 39.5 21.7 32.5#



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 108.78 ng

RT: 7.30 min Scan# 759

Delta R.T. -0.00 min

Lab File: BG021203.D

Acq: 2 Mar 2016 3:41

Instrument :

BNA_G

ClientSampleId :

P-11

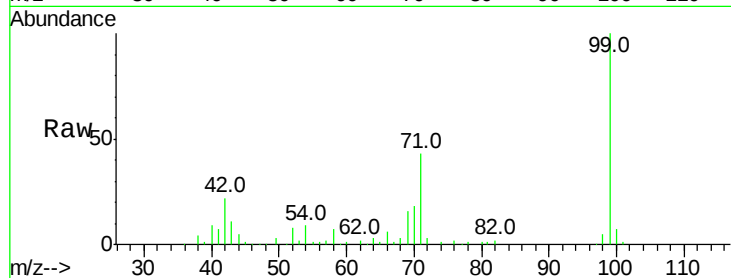
Tot Ion: 99 Resp: 161041

Ion Ratio Lower Upper

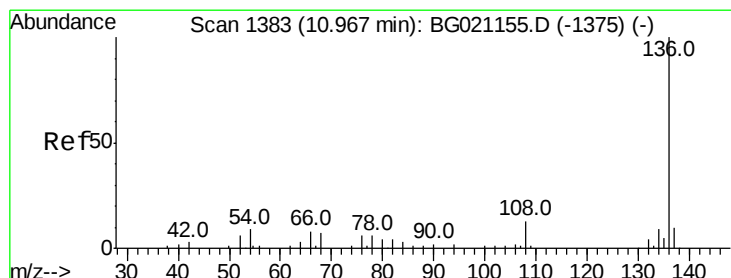
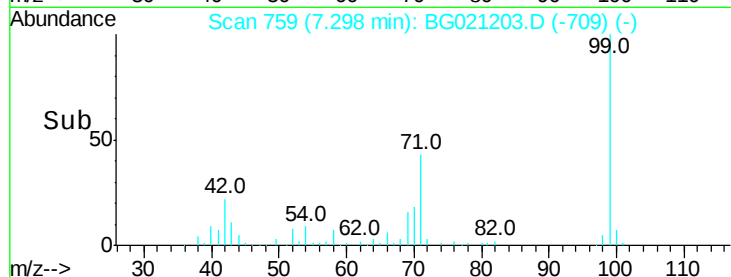
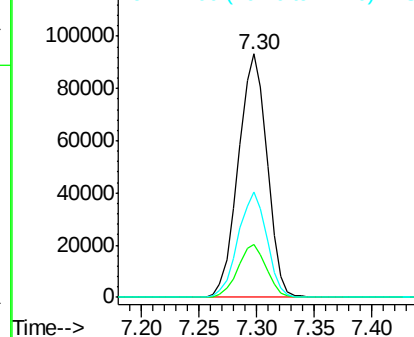
99 100

42 21.7 13.2 19.8#

71 43.1 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: 10.96 min Scan# 1382

Delta R.T. -0.01 min

Lab File: BG021203.D

Acq: 2 Mar 2016 3:41

Tgt Ion: 136 Resp: 67257

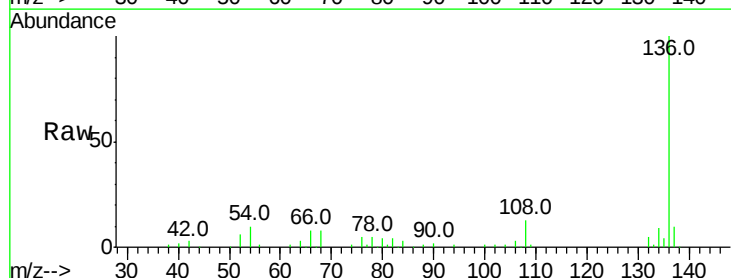
Ion Ratio Lower Upper

136 100

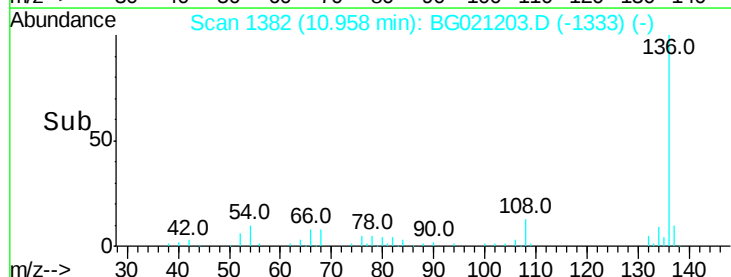
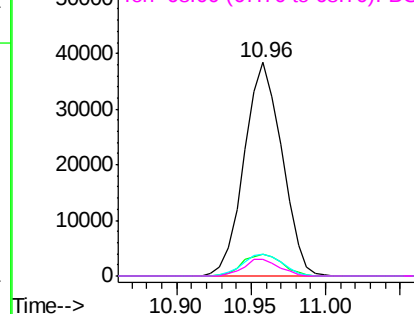
137 10.4 8.8 13.2

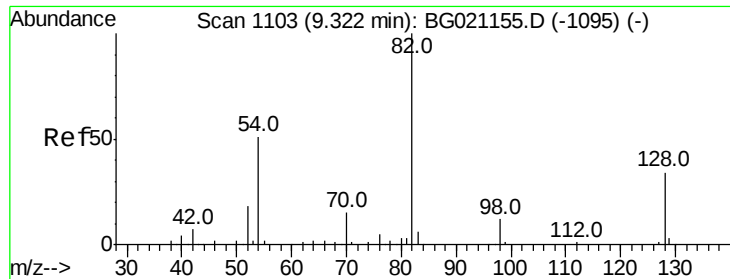
54 10.5 6.9 10.3#

68 7.7 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

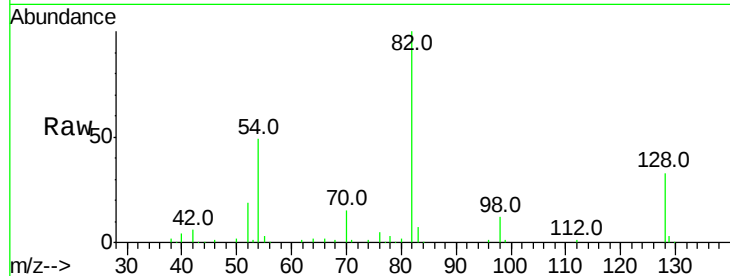




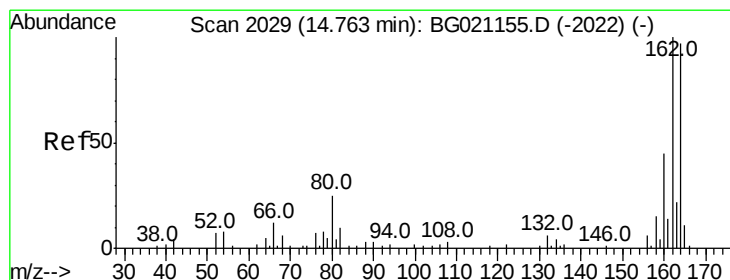
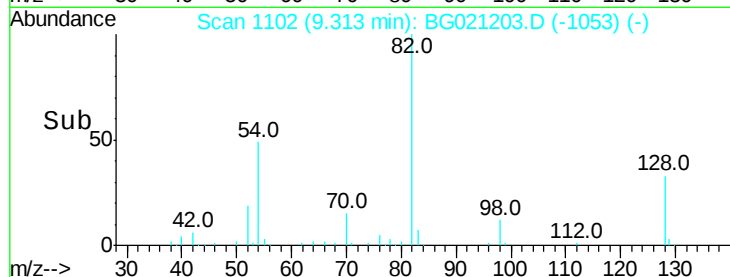
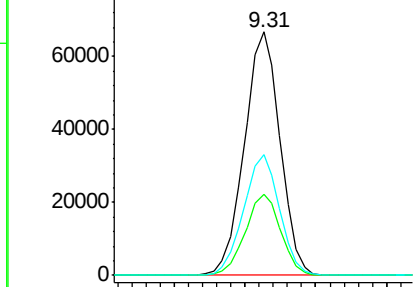
#23
 Nitrobenzene-d5
 Concen: 74.34 ng
 RT: 9.31 min Scan# 1102
 Delta R.T. -0.01 min
 Lab File: BG021203.D
 Acq: 2 Mar 2016 3:41

Instrument :
 BNA_G
 ClientSampled :
 P-11

Tot Ion: 82 Resp: 118162
 Ion Ratio Lower Upper
 82 100
 128 33.5 36.3 54.5#
 54 49.5 37.6 56.4

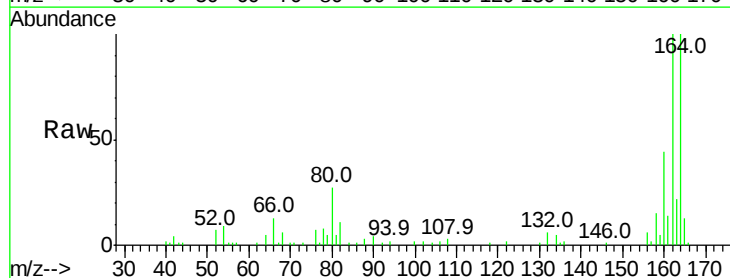


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

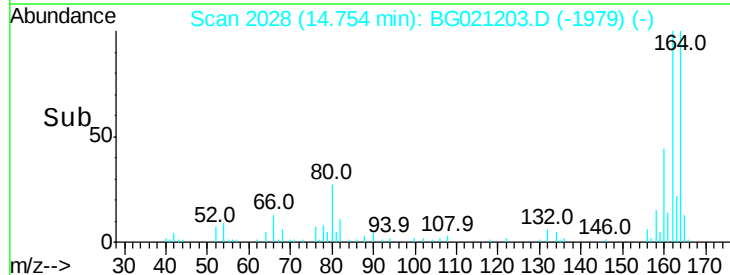
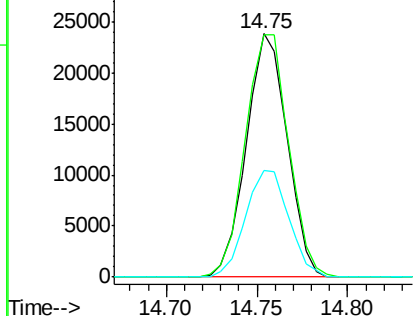


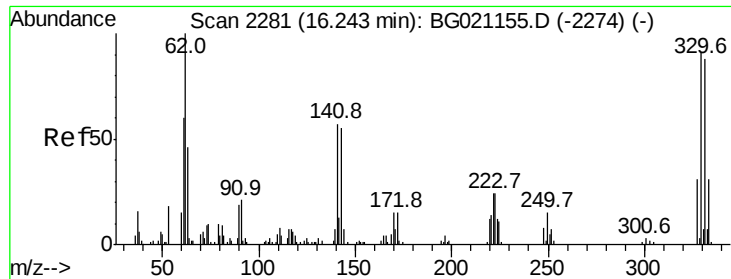
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.75 min Scan# 2028
 Delta R.T. -0.01 min
 Lab File: BG021203.D
 Acq: 2 Mar 2016 3:41

Tgt Ion: 164 Resp: 37330
 Ion Ratio Lower Upper
 164 100
 162 99.8 80.6 120.8
 160 44.0 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

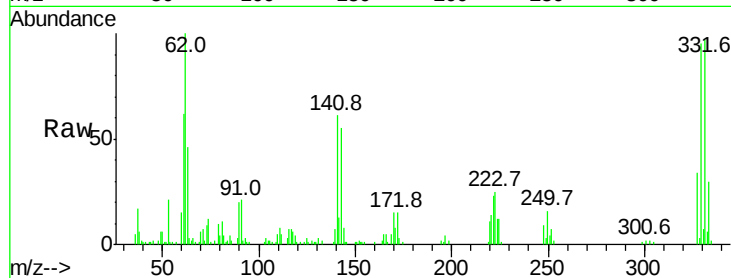




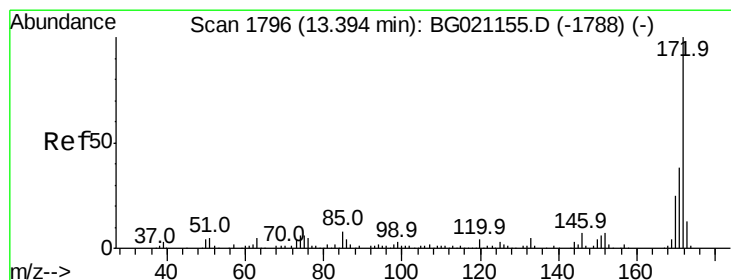
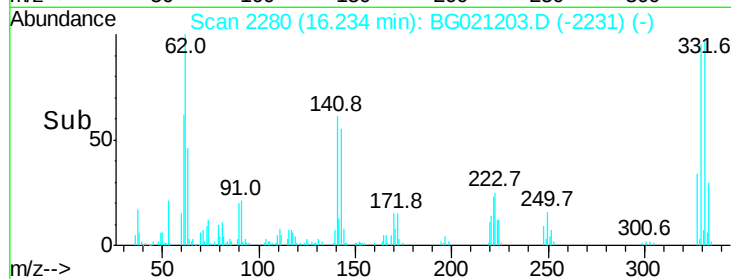
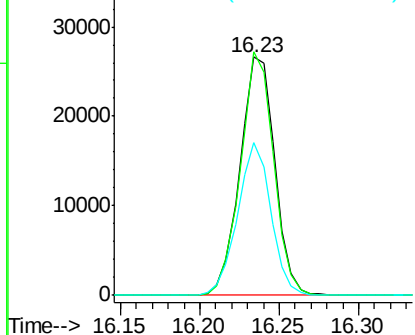
#41
 2,4,6-Tribromophenol
 Concen: 104.45 ng
 RT: 16.23 min Scan# 2280
 Delta R.T. -0.01 min
 Lab File: BG021203.D
 Acq: 2 Mar 2016 3:41

Instrument :
 BNA_G
 ClientSampleId :
 P-11

Tot Ion:330 Resp: 40566
 Ion Ratio Lower Upper
 330 100
 332 97.1 77.4 116.0
 141 61.1 35.3 52.9#

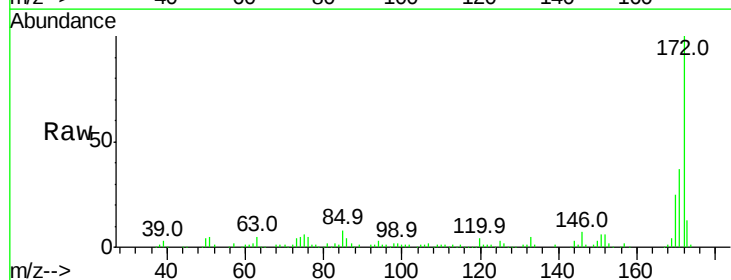


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

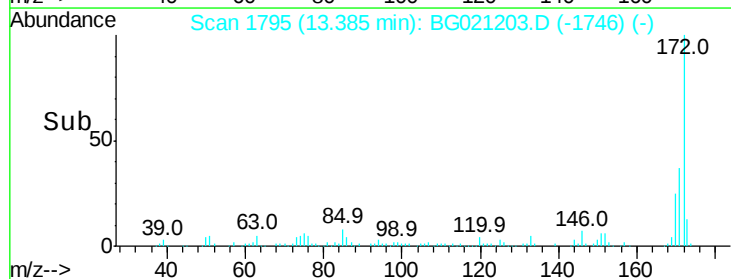
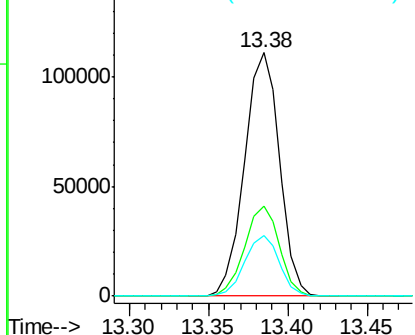


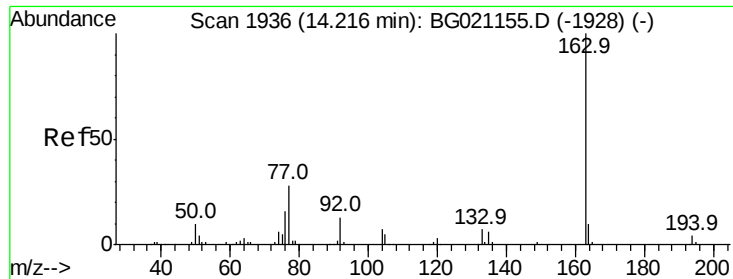
#44
 2-Fluorobiphenyl
 Concen: 64.79 ng
 RT: 13.38 min Scan# 1795
 Delta R.T. -0.01 min
 Lab File: BG021203.D
 Acq: 2 Mar 2016 3:41

Tgt Ion:172 Resp: 170322
 Ion Ratio Lower Upper
 172 100
 171 36.9 29.4 44.0
 170 25.0 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: 11.68 ng

RT: 14.20 min Scan# 1933

Delta R.T. -0.02 min

Lab File: BG021203.D

Acq: 2 Mar 2016 3:41

Instrument :

BNA_G

ClientSampleId :

P-11

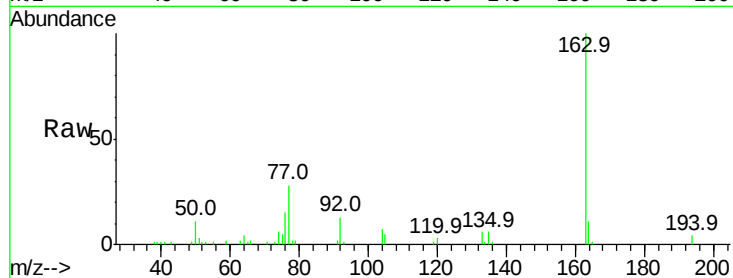
Tot Ion:163 Resp: 38850

Ion Ratio Lower Upper

163 100

194 4.2 2.8 4.2

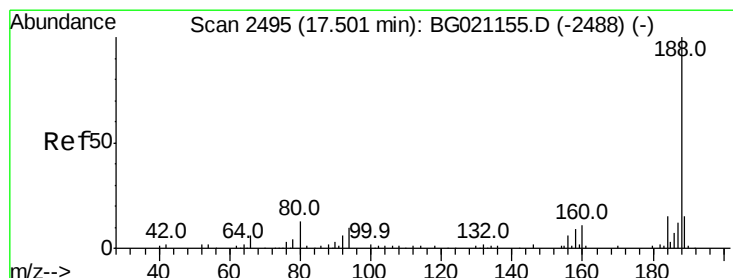
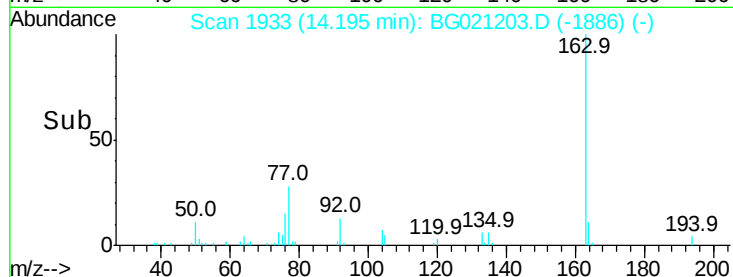
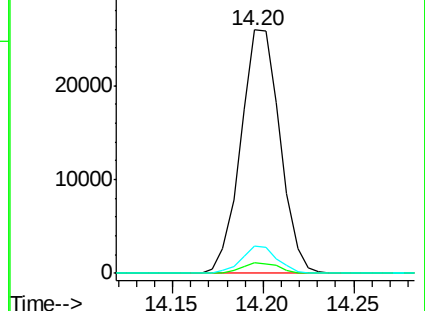
164 11.0 7.9 11.9



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: 17.49 min Scan# 2494

Delta R.T. -0.01 min

Lab File: BG021203.D

Acq: 2 Mar 2016 3:41

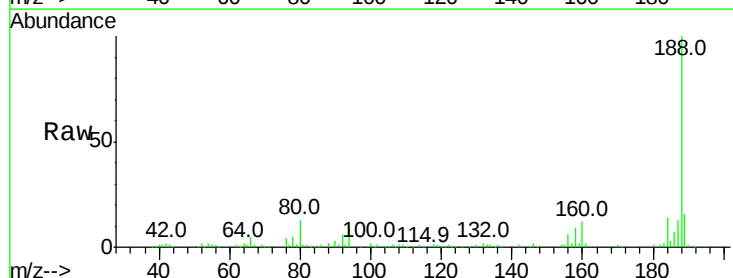
Tgt Ion:188 Resp: 78557

Ion Ratio Lower Upper

188 100

94 10.0 8.2 12.4

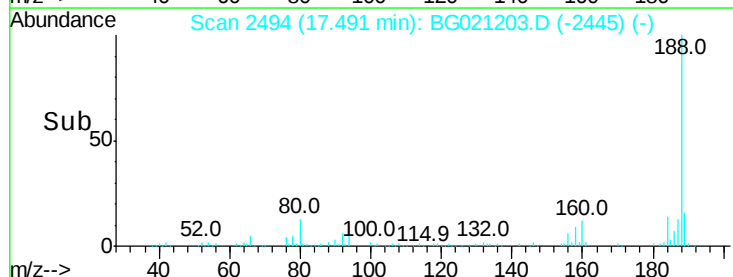
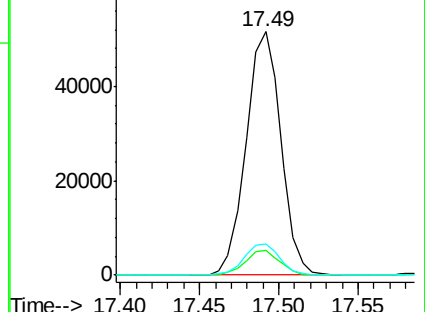
80 12.7 9.2 13.8

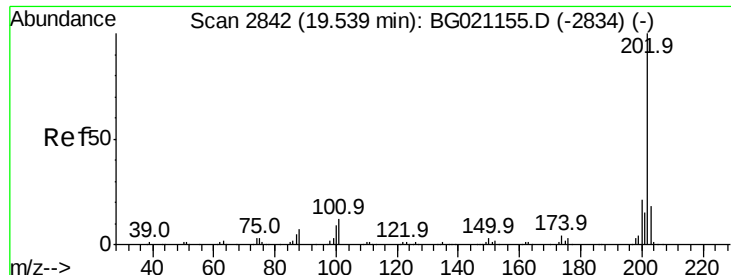


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#74

Fluoranthene

Concen: 2.23 ng

RT: 19.53 min Scan# 2841

Delta R.T. -0.01 min

Lab File: BG021203.D

Acq: 2 Mar 2016 3:41

Instrument :

BNA_G

ClientSampleId :

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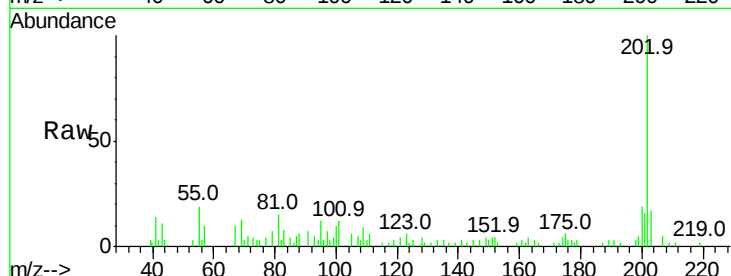
Tot Ion:202 Resp: 11123

Ion Ratio Lower Upper

202 100

101 11.9 0.0 32.5

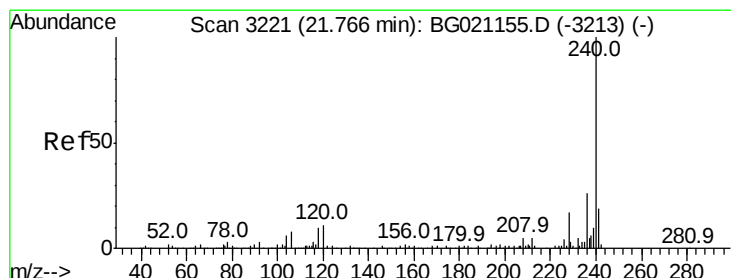
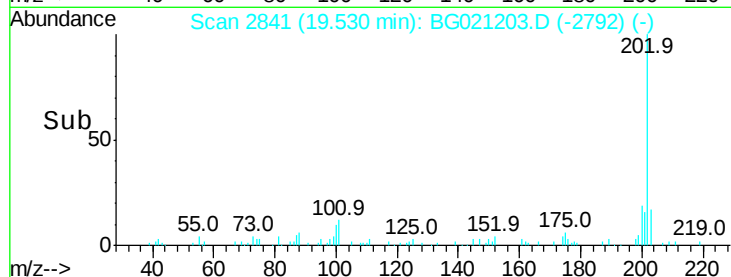
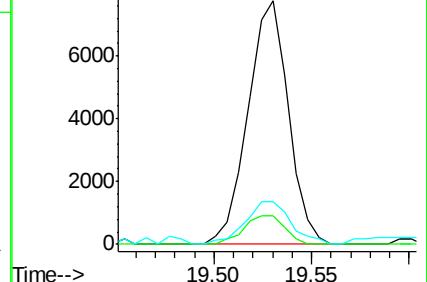
203 17.5 0.0 37.6



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: 21.75 min Scan# 3219

Delta R.T. -0.02 min

Lab File: BG021203.D

Acq: 2 Mar 2016 3:41

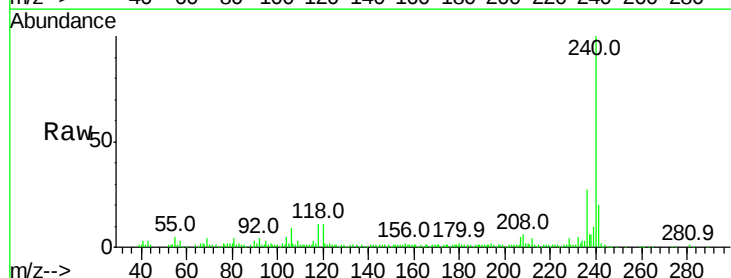
Tgt Ion:240 Resp: 80959

Ion Ratio Lower Upper

240 100

120 10.8 7.5 11.3

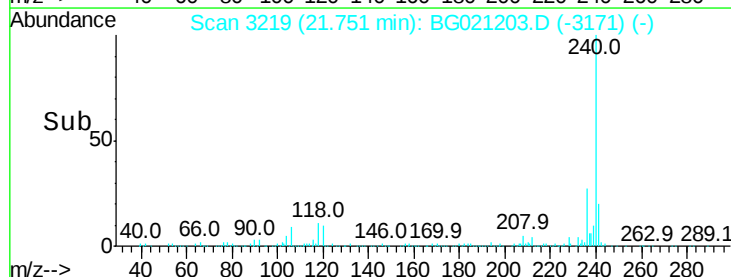
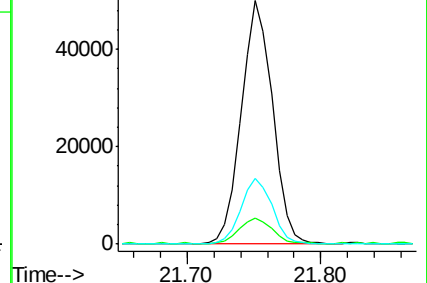
236 26.8 20.5 30.7

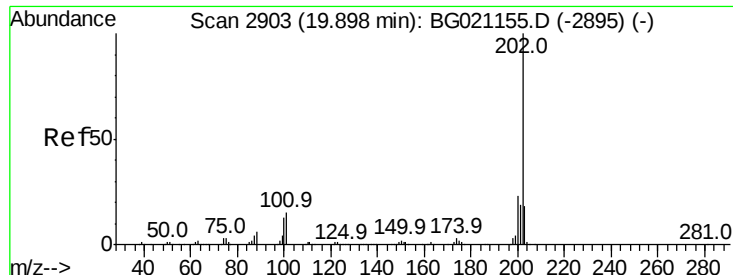


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 2.50 ng

RT: 19.89 min Scan# 2902

Delta R.T. -0.01 min

Lab File: BG021203.D

Acq: 2 Mar 2016 3:41

Instrument :

BNA_G

ClientSampleId :

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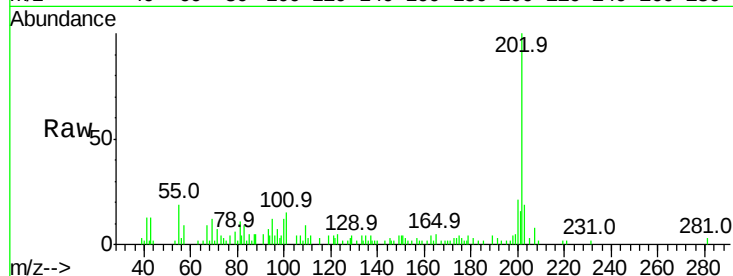
Tot Ion:202 Resp: 12081

Ion Ratio Lower Upper

202 100

200 21.2 16.6 25.0

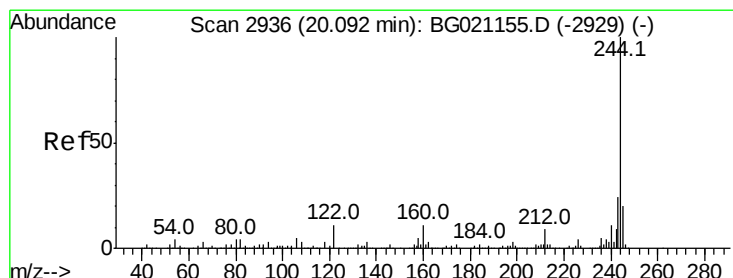
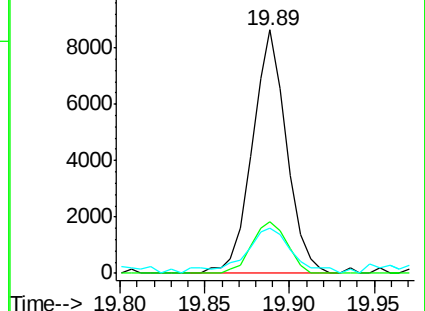
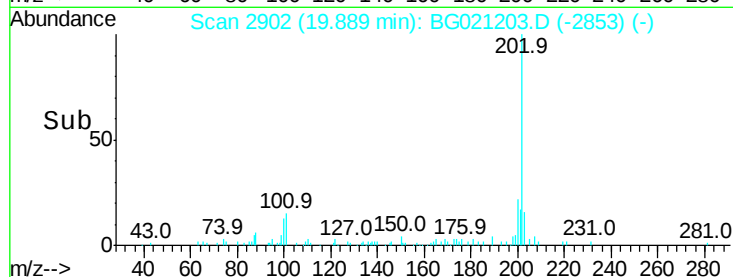
203 18.6 13.8 20.8



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: 57.88 ng

RT: 20.08 min Scan# 2935

Delta R.T. -0.01 min

Lab File: BG021203.D

Acq: 2 Mar 2016 3:41

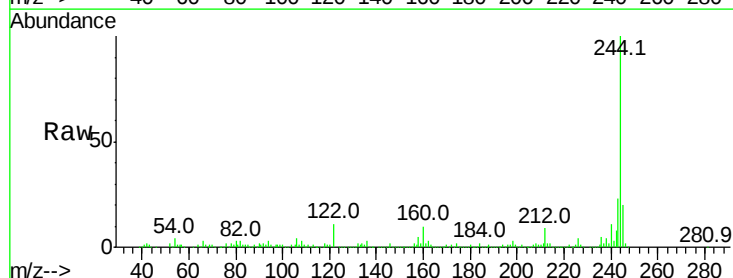
Tgt Ion:244 Resp: 193407

Ion Ratio Lower Upper

244 100

212 9.0 5.8 8.6#

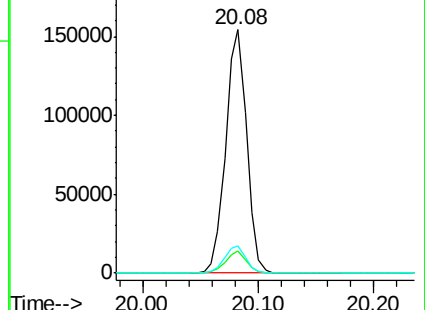
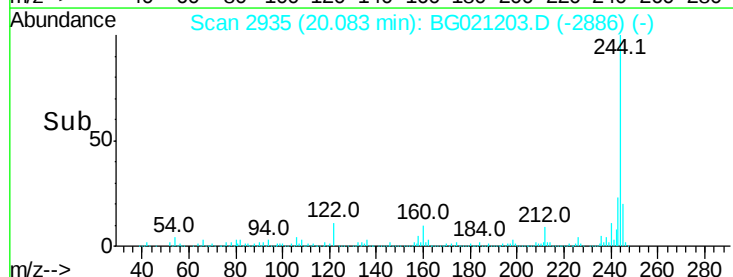
122 11.0 8.3 12.5

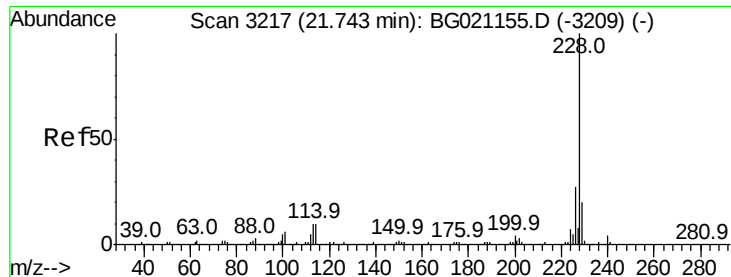


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 2.03 ng

RT: 21.73 min Scan# 3216

Delta R.T. -0.01 min

Lab File: BG021203.D

Acq: 2 Mar 2016 3:41

Instrument :

BNA_G

ClientSampleId :

P-11

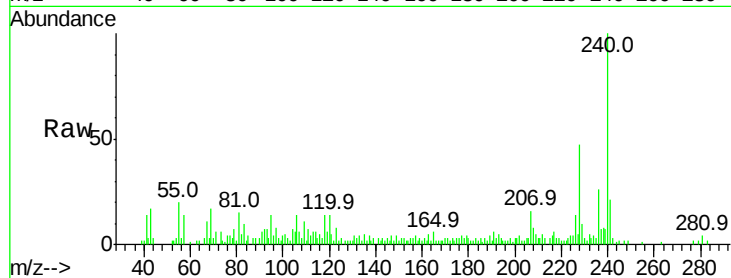
Tot Ion:228 Resp: 9727

Ion	Ratio	Lower	Upper
228	100		
226	30.5	22.7	34.1
229	21.6	15.5	23.3

228 100

226 30.5 22.7 34.1

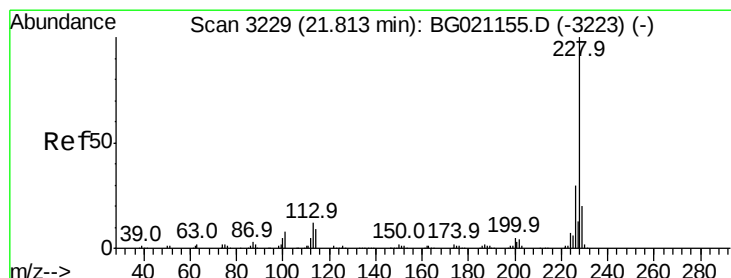
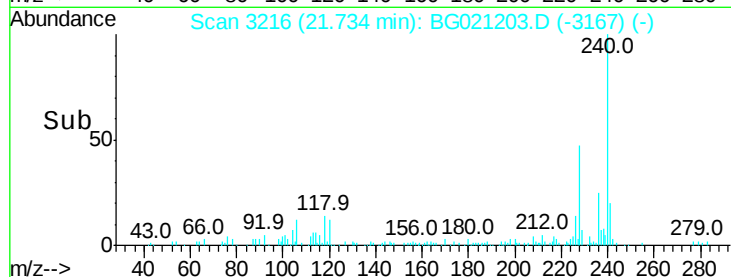
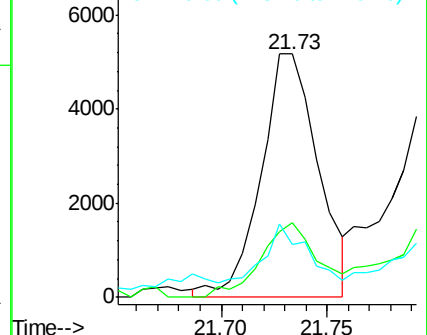
229 21.6 15.5 23.3



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: 2.14 ng

RT: 21.73 min Scan# 3216

Delta R.T. -0.08 min

Lab File: BG021203.D

Acq: 2 Mar 2016 3:41

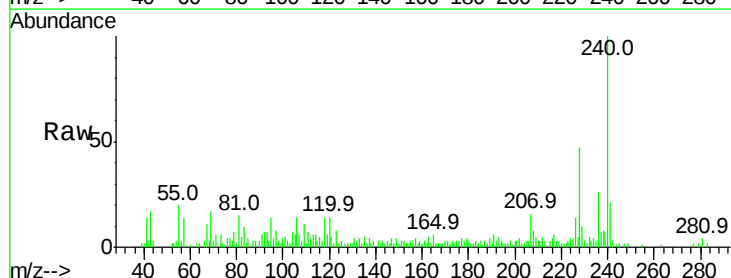
Tgt Ion:228 Resp: 9727

Ion	Ratio	Lower	Upper
228	100		
226	30.5	23.7	35.5
229	21.6	16.7	25.1

228 100

226 30.5 23.7 35.5

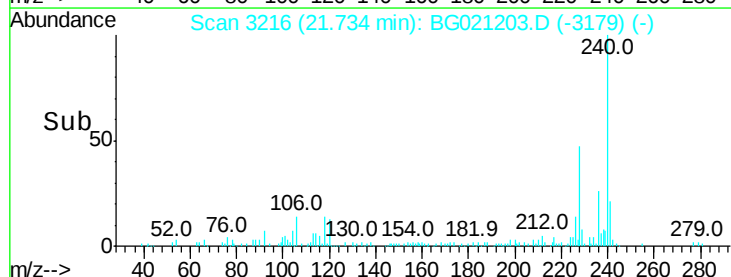
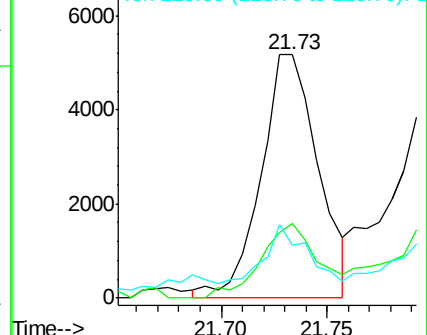
229 21.6 16.7 25.1

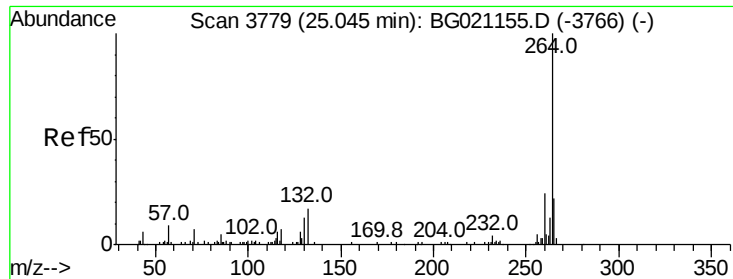


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

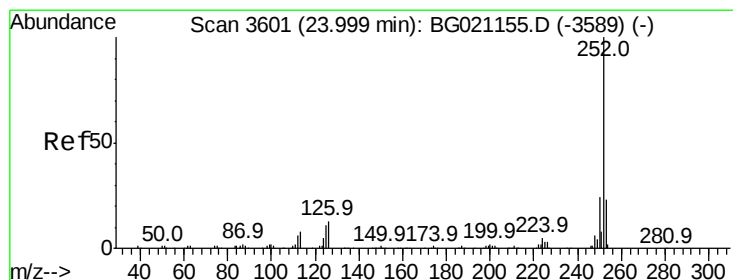
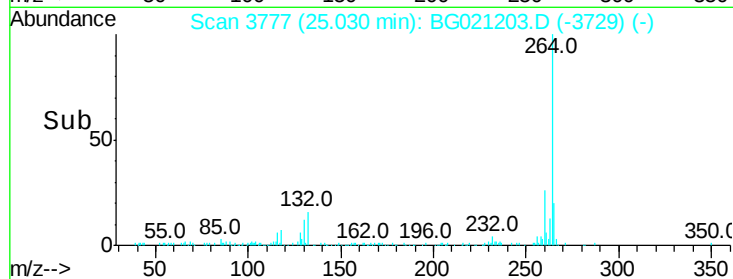
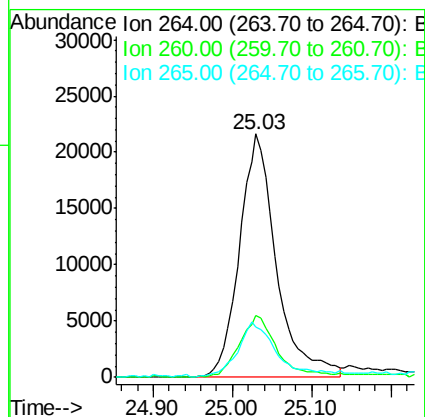
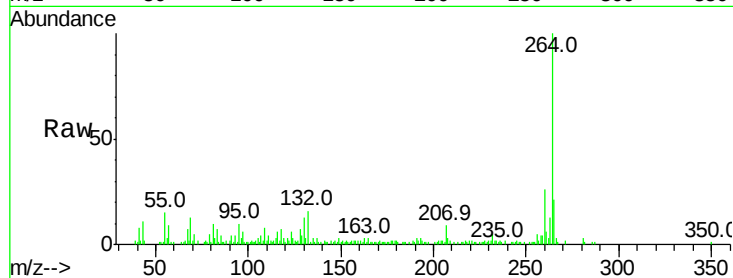




#86
Pervlene-d12
Concen: 20.00 ng
RT: 25.03 min Scan# 3777
Delta R.T. -0.02 min
Lab File: BG021203.D
Acq: 2 Mar 2016 3:41

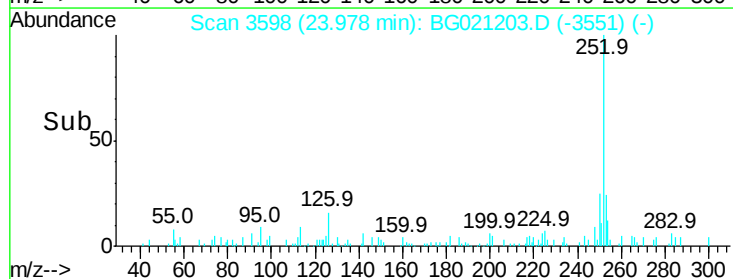
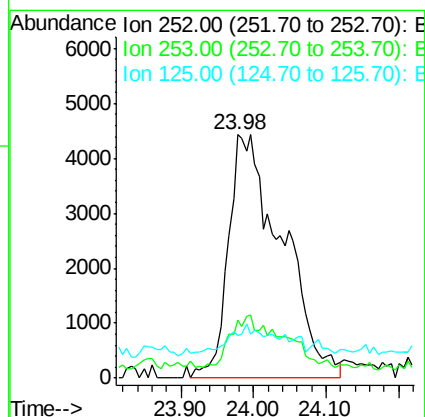
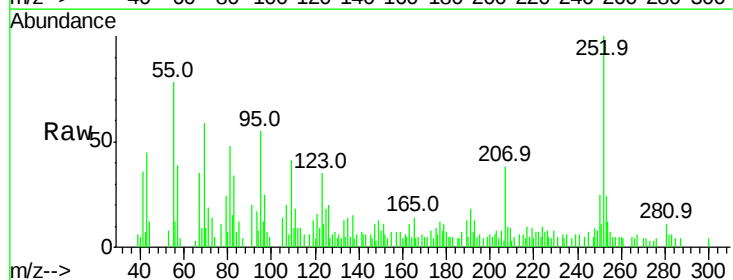
Instrument :
BNA_G
ClientSampleId :
P-11

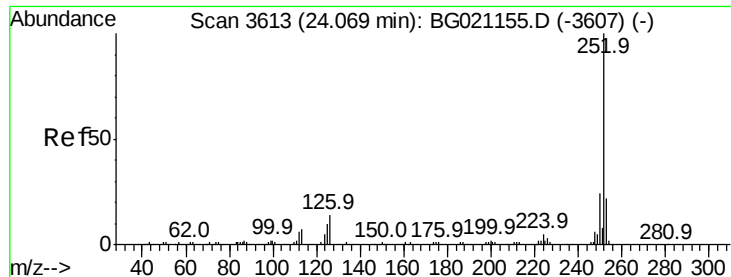
Tot Ion:264 Resp: 69953
Ion Ratio Lower Upper
264 100
260 25.6 18.5 27.7
265 20.6 18.6 28.0



#87
Benzo(b)fluoranthene
Concen: 5.18 ng
RT: 23.98 min Scan# 3598
Delta R.T. -0.02 min
Lab File: BG021203.D
Acq: 2 Mar 2016 3:41

Tgt Ion:252 Resp: 22799
Ion Ratio Lower Upper
252 100
253 24.0 16.8 25.2
125 17.6 8.2 12.2#

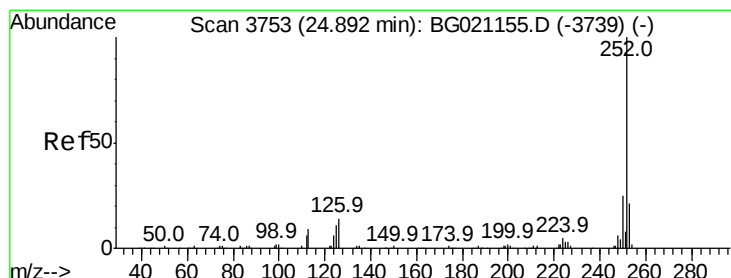
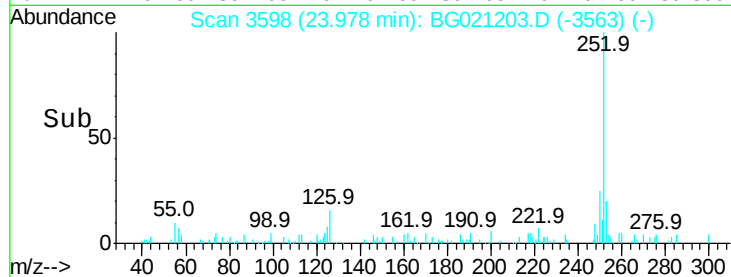
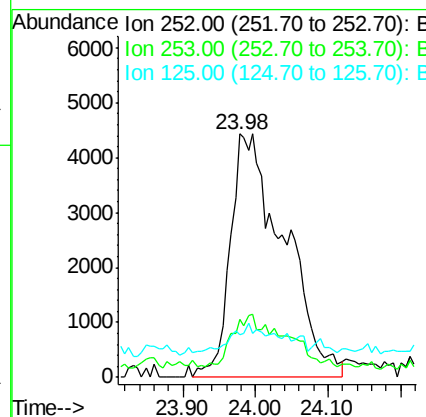
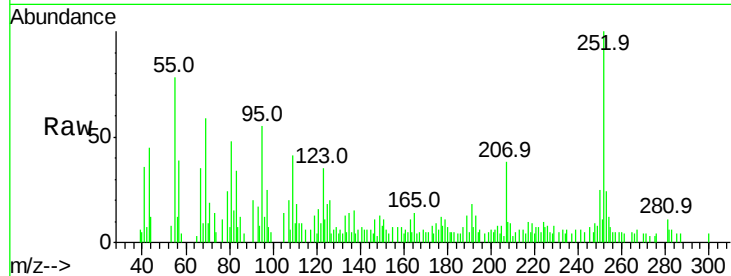




#88
Benzo(k)fluoranthene
Concen: 5.17 ng
RT: 23.98 min Scan# 3598
Delta R.T. -0.09 min
Lab File: BG021203.D
Acq: 2 Mar 2016 3:41

Instrument :
BNA_G
ClientSampleId :
P-11

Tot Ion:252 Resp: 22799
Ion Ratio Lower Upper
252 100
253 24.0 16.4 24.6
125 17.6 8.2 12.2#



#89
Benzo(a)pyrene
Concen: 2.07 ng
RT: 24.88 min Scan# 3751
Delta R.T. -0.02 min
Lab File: BG021203.D
Acq: 2 Mar 2016 3:41

Tgt Ion:252 Resp: 8810
Ion Ratio Lower Upper
252 100
253 26.1 15.8 23.8#
125 18.3 8.4 12.6#

