

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG041416\
 Data File : BG021685.D
 Acq On : 15 Apr 2016 13:20
 Operator : UM/SJ
 Sample : H2412-07 2X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SP-7W(0-2)B

Quant Time: Apr 15 14:42:14 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

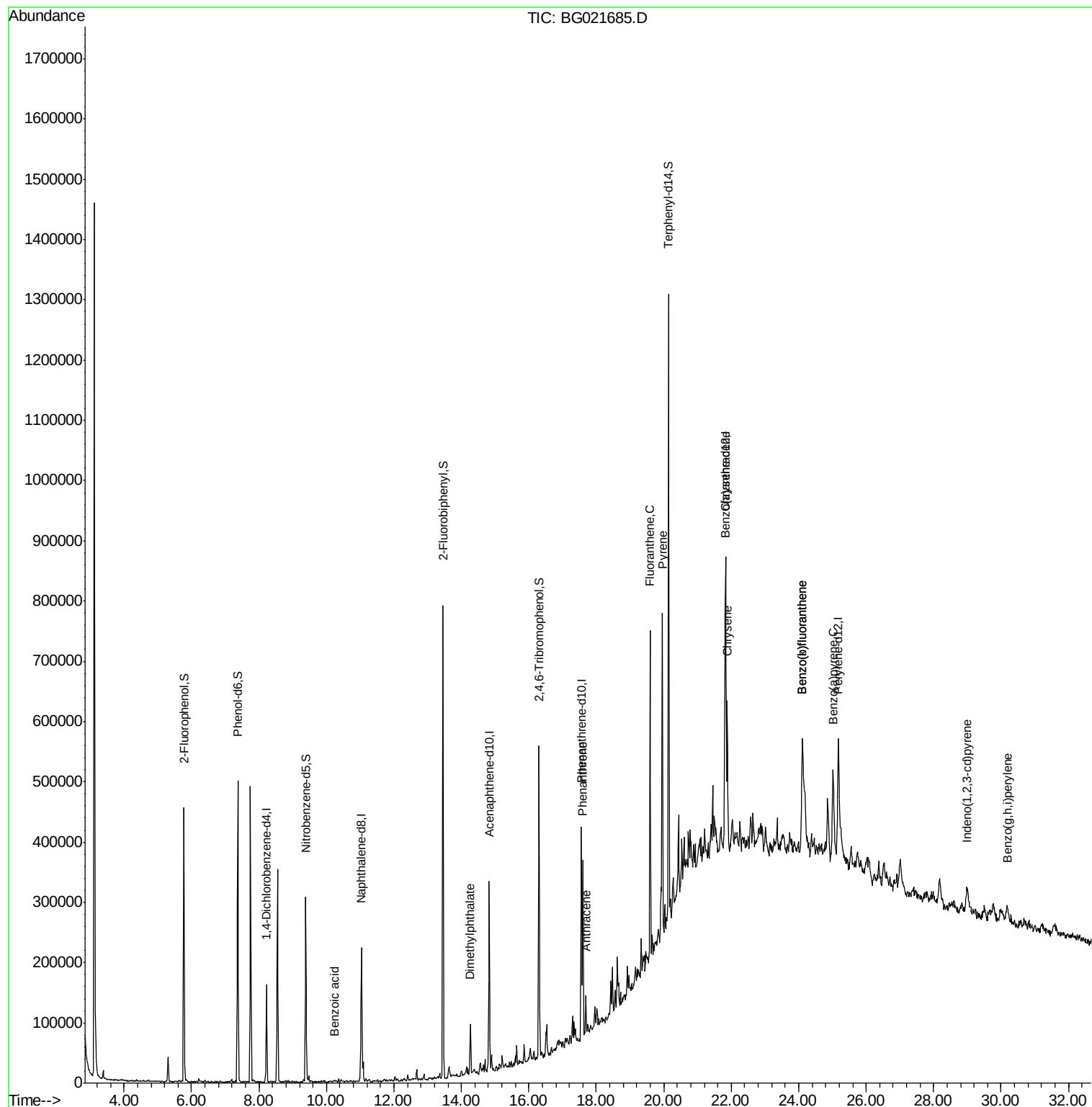
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.22	152	43637	20.00	ng	0.00
21) Naphthalene-d8	11.03	136	194461	20.00	ng	0.00
38) Acenaphthene-d10	14.82	164	108412	20.00	ng	0.00
63) Phenanthrene-d10	17.56	188	218162	20.00	ng	0.00
75) Chrysene-d12	21.83	240	246746	20.00	ng	0.00
86) Perylene-d12	25.18	264	223527	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.77	112	208027	79.39	ng	0.01
7) Phenol-d6	7.37	99	304688	77.84	ng	0.00
23) Nitrobenzene-d5	9.39	82	193625	51.18	ng	0.00
41) 2,4,6-Tribromophenol	16.30	330	91189	78.05	ng	0.00
44) 2-Fluorobiphenyl	13.45	172	396917	53.64	ng	0.00
78) Terphenyl-d14	20.15	244	473186	47.85	ng	0.00
Target Compounds						Qvalue
32) Benzoic acid	10.24	122	663	4.65	ng	# 65
49) Dimethylphthalate	14.27	163	51111	5.45	ng	99
70) Phenanthrene	17.60	178	178419	14.84	ng	98
71) Anthracene	17.69	178	41306	3.38	ng	98
74) Fluoranthene	19.59	202	341752	23.80	ng	98
77) Pyrene	19.96	202	349138	24.54	ng	99
80) Benzo(a)anthracene	21.82	228	190266	13.40	ng	95
82) Chrysene	21.88	228	183363	13.44	ng	96
85) Indeno(1,2,3-cd)pyrene	28.98	276	79452	4.90	ng	96
87) Benzo(b)fluoranthene	24.11	252	246578	19.01	ng	# 92
88) Benzo(k)fluoranthene	24.11	252	246578	19.44	ng	# 93
89) Benzo(a)pyrene	25.02	252	188212	14.98	ng	95
91) Benzo(g,h,i)perylene	30.19	276	60822	4.92	ng	# 91

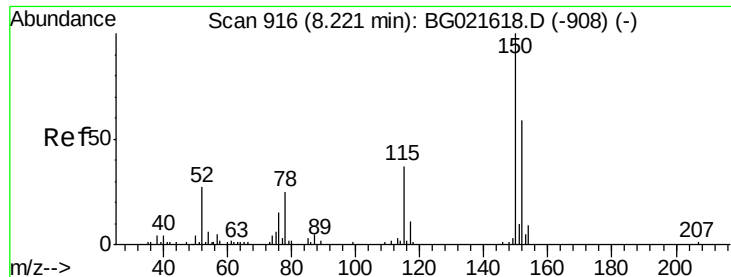
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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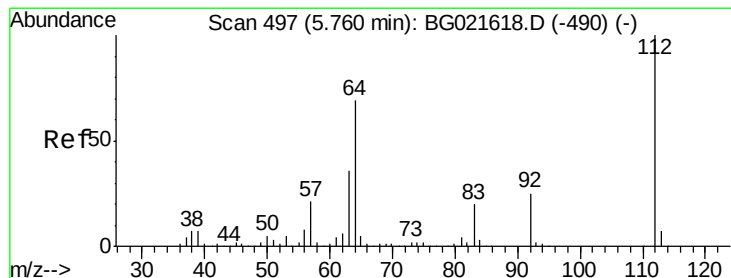
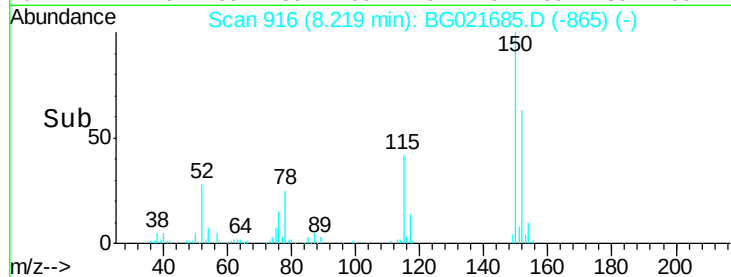
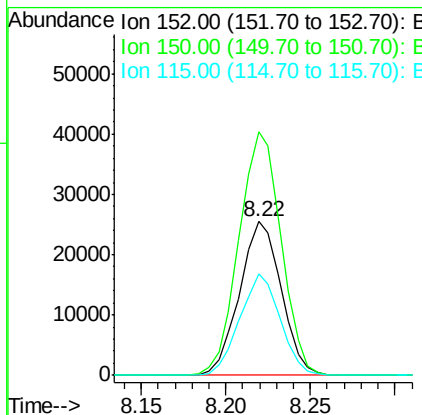
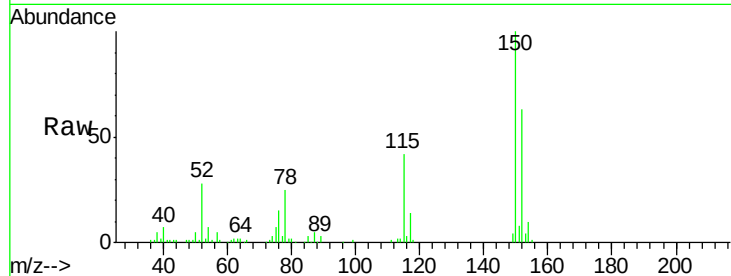


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.22 min Scan# 916
Delta R.T. -0.00 min
Lab File: BG021685.D
Acq: 15 Apr 2016 13:20

Instrument :
BNA_G
ClientSampleId :
SP-7W(0-2)B

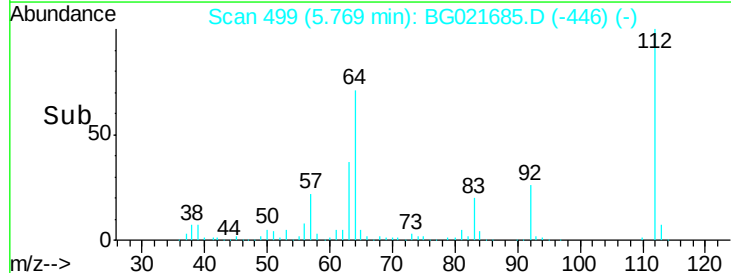
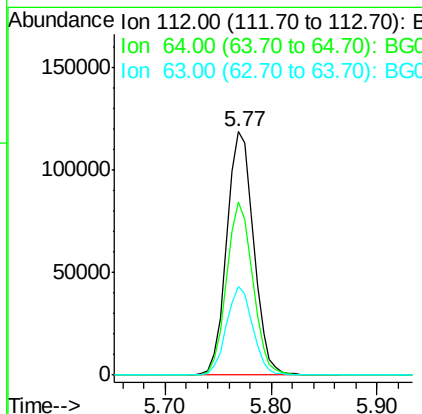
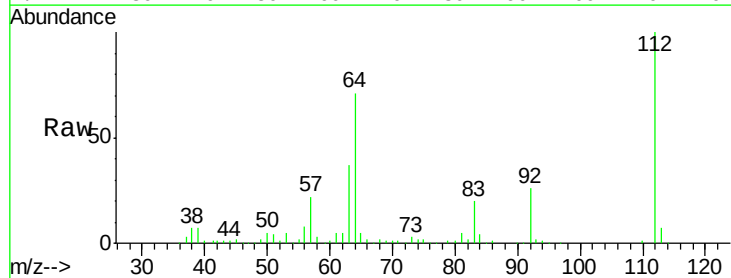
Tgt Ion:152 Resp: 43637
Ion Ratio Lower Upper
152 100
150 158.2 130.1 195.1
115 66.4 62.2 93.2

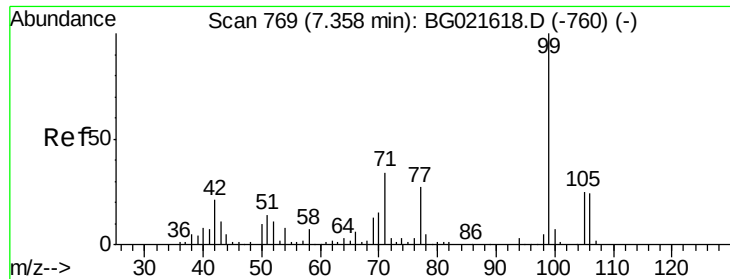


#5

2-Fluorophenol
Concen: 79.39 ng
RT: 5.77 min Scan# 499
Delta R.T. 0.01 min
Lab File: BG021685.D
Acq: 15 Apr 2016 13:20

Tgt Ion:112 Resp: 208027
Ion Ratio Lower Upper
112 100
64 71.1 51.1 76.7
63 36.5 24.6 37.0





#7

Phenol-d6

Concen: 77.84 ng

RT: 7.37 min Scan# 771

Delta R.T. 0.01 min

Lab File: BG021685.D

Acq: 15 Apr 2016 13:20

Instrument :

BNA_G

ClientSampleId :

SP-7W(0-2)B

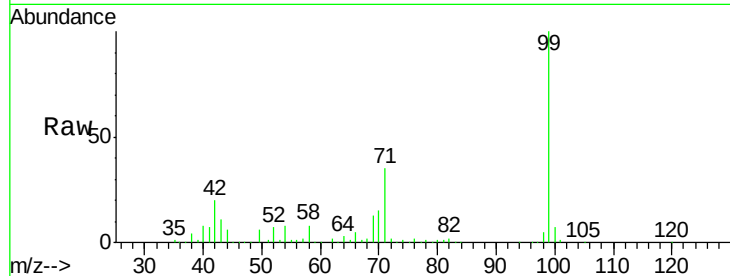
Tgt Ion: 99 Resp: 304688

Ion Ratio Lower Upper

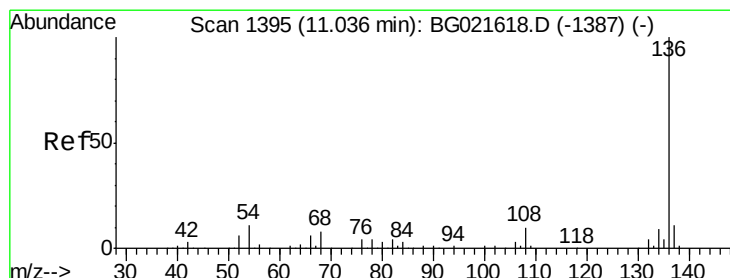
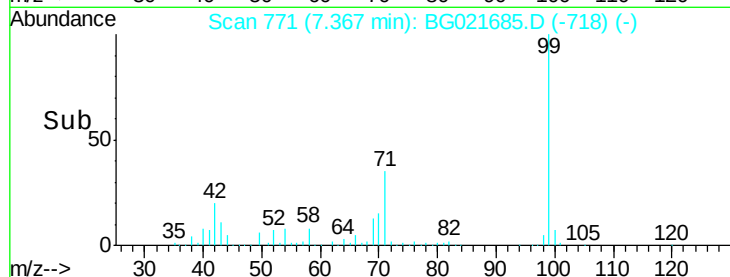
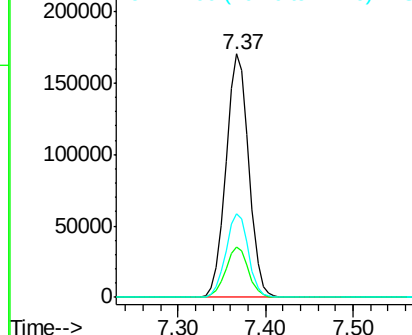
99 100

42 20.4 16.4 24.6

71 34.5 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# 1395

Delta R.T. -0.00 min

Lab File: BG021685.D

Acq: 15 Apr 2016 13:20

Tgt Ion: 136 Resp: 194461

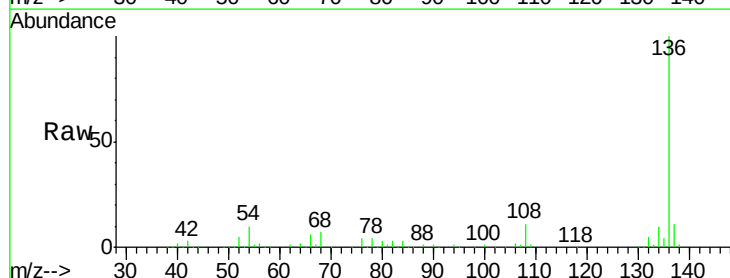
Ion Ratio Lower Upper

136 100

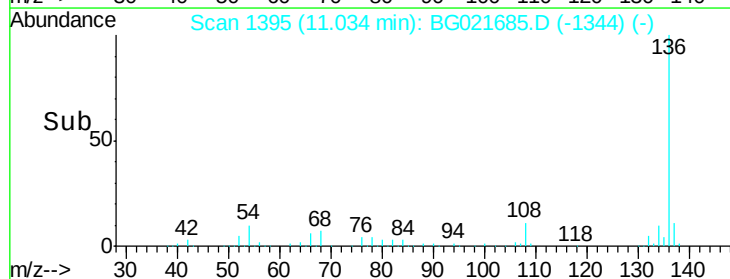
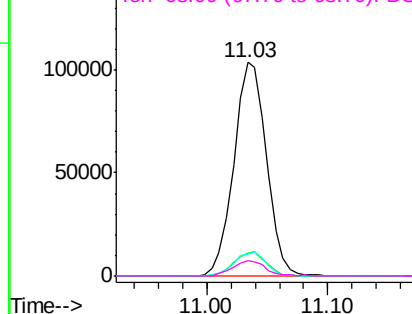
137 11.0 9.0 13.4

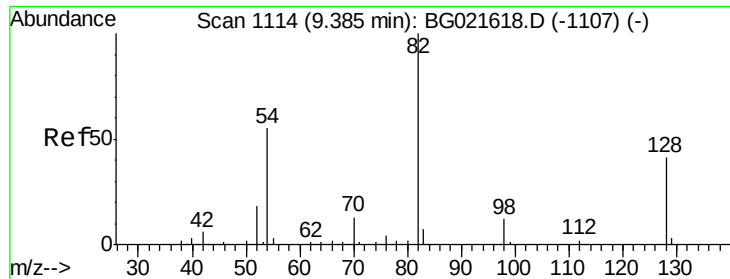
54 10.5 9.6 14.4

68 7.4 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

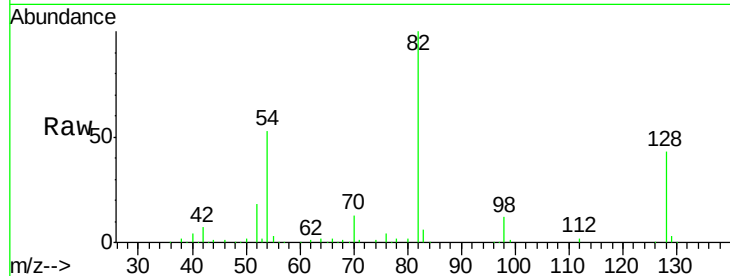




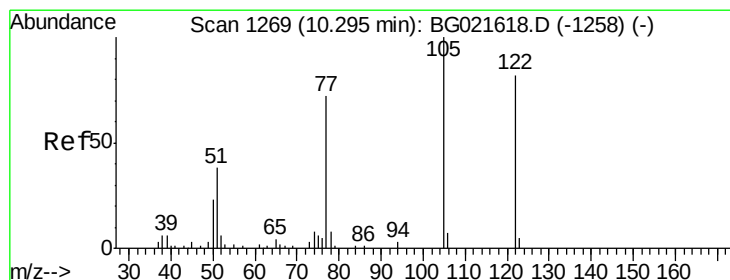
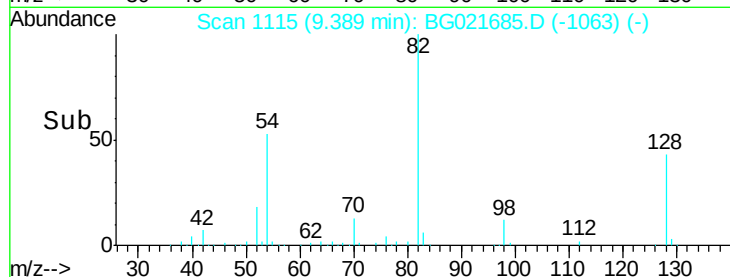
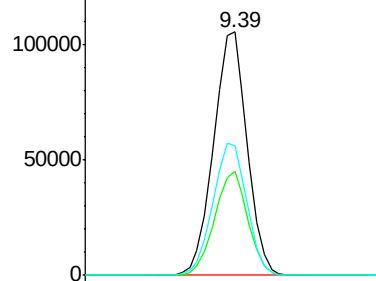
#23
 Nitrobenzene-d5
 Concen: 51.18 ng
 RT: 9.39 min Scan# 1115
 Delta R.T. 0.00 min
 Lab File: BG021685.D
 Acq: 15 Apr 2016 13:20

Instrument :
 BNA_G
 ClientSampleId :
 SP-7W(0-2)B

Tgt Ion	Ratio	Lower	Upper
82	100		
128	42.5	33.4	50.0
54	53.5	46.1	69.1

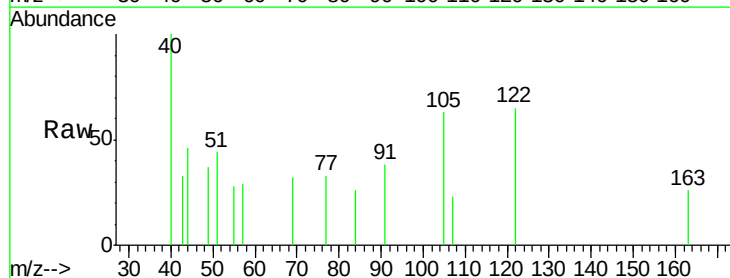


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

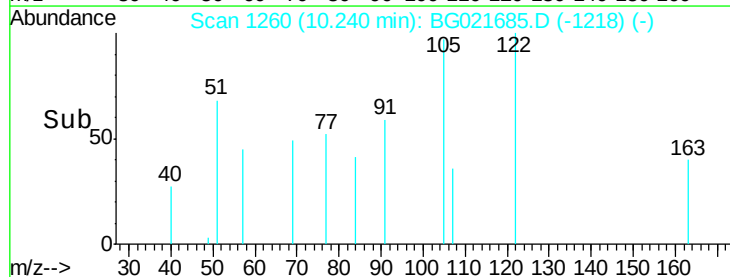
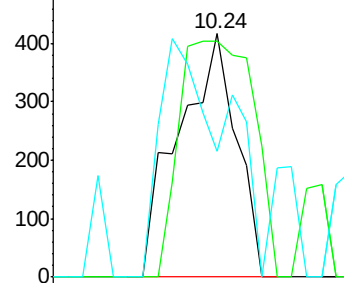


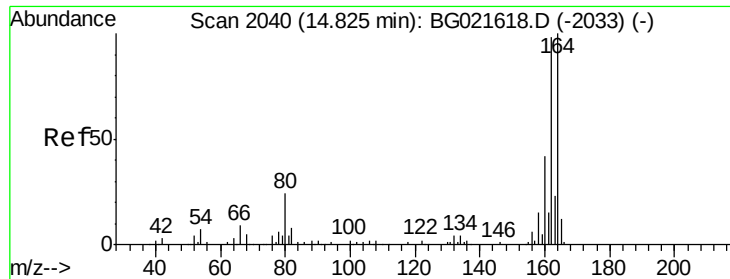
#32
 Benzoic acid
 Concen: 4.65 ng
 RT: 10.24 min Scan# 1260
 Delta R.T. -0.05 min
 Lab File: BG021685.D
 Acq: 15 Apr 2016 13:20

Tgt Ion	Ratio	Lower	Upper
122	100		
105	97.1	104.5	144.5#
77	51.8	79.9	119.9#



Abundance Ion 122.00 (121.70 to 122.70): BGC
 Ion 105.00 (104.70 to 105.70): BGC
 Ion 77.00 (76.70 to 77.70): BGC

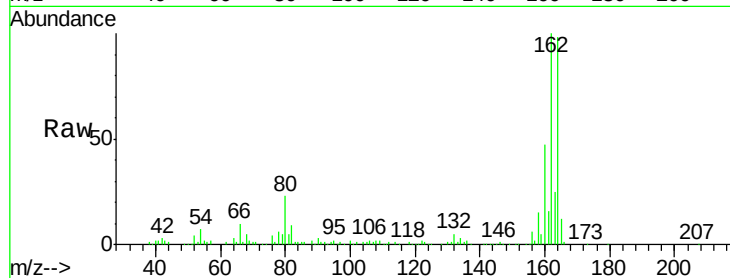




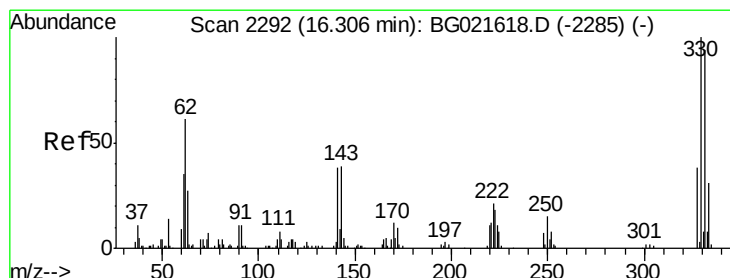
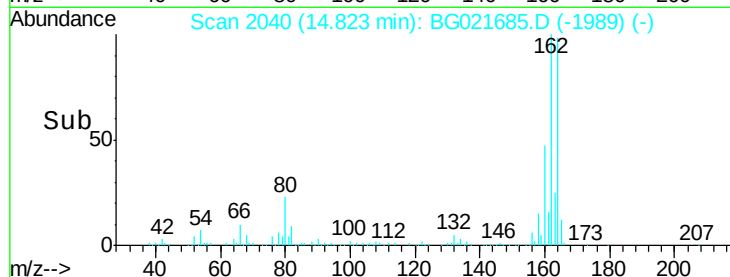
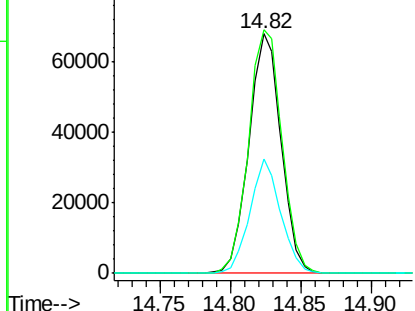
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.82 min Scan# 2040
Delta R.T. -0.00 min
Lab File: BG021685.D
Acq: 15 Apr 2016 13:20

Instrument :
BNA_G
ClientSampleId :
SP-7W(0-2)B

Tgt Ion:164 Resp: 108412
Ion Ratio Lower Upper
164 100
162 101.6 78.0 117.0
160 47.9 32.9 49.3

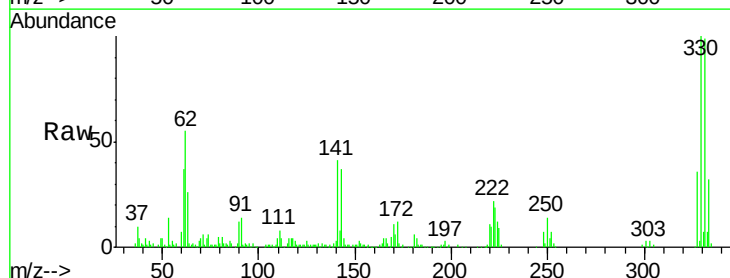


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

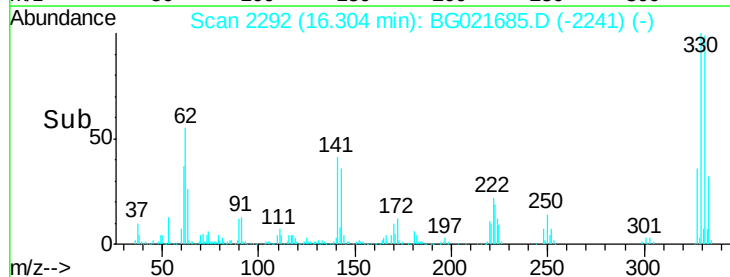
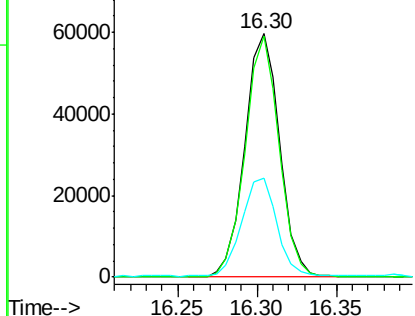


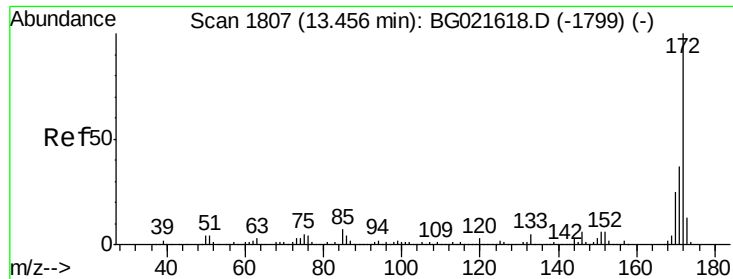
#41
2,4,6-Tribromophenol
Concen: 78.05 ng
RT: 16.30 min Scan# 2292
Delta R.T. -0.00 min
Lab File: BG021685.D
Acq: 15 Apr 2016 13:20

Tgt Ion:330 Resp: 91189
Ion Ratio Lower Upper
330 100
332 95.8 78.0 117.0
141 40.7 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

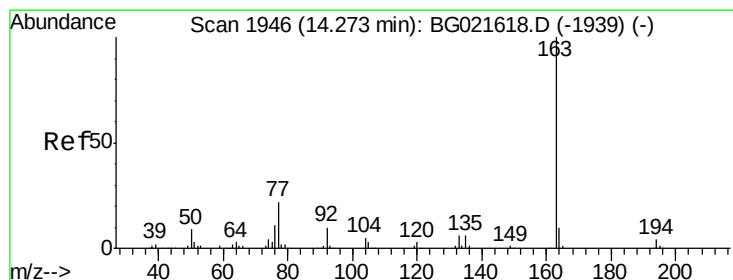
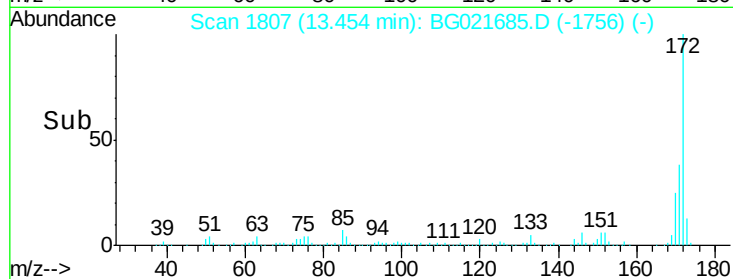
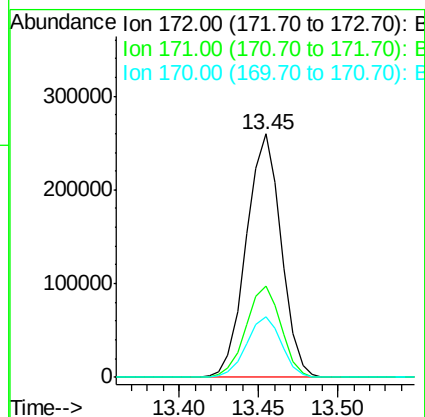
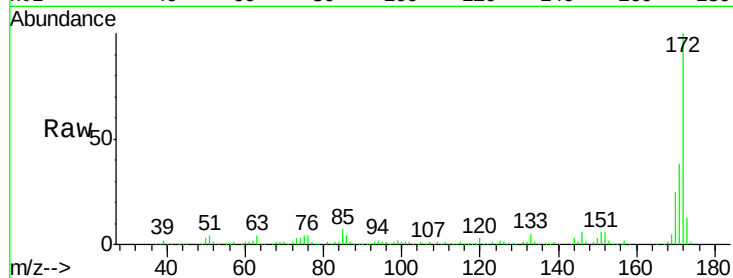




#44
2-Fluorobiphenyl
Concen: 53.64 ng
RT: 13.45 min Scan# 1807
Delta R.T. -0.00 min
Lab File: BG021685.D
Acq: 15 Apr 2016 13:20

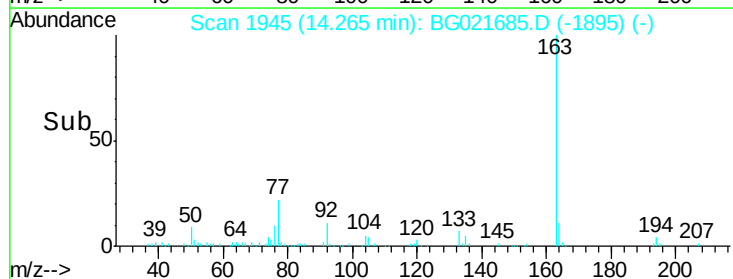
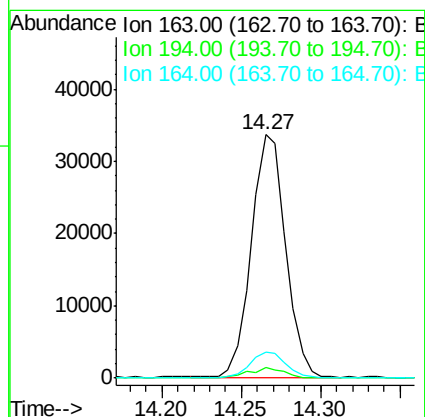
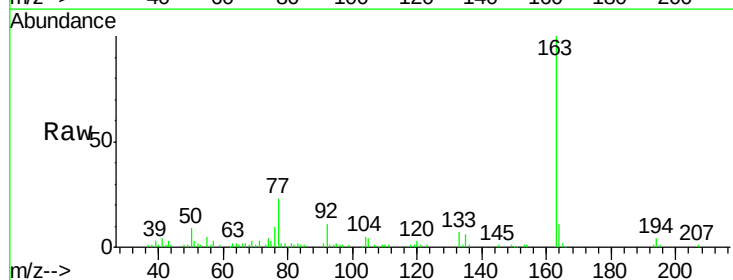
Instrument :
BNA_G
ClientSampleId :
SP-7W(0-2)B

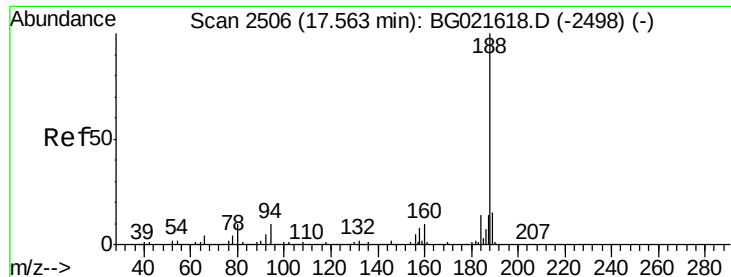
Tgt Ion:172 Resp: 396917
Ion Ratio Lower Upper
172 100
171 37.6 27.8 41.6
170 24.9 19.6 29.4



#49
Dimethylphthalate
Concen: 5.45 ng
RT: 14.27 min Scan# 1945
Delta R.T. -0.01 min
Lab File: BG021685.D
Acq: 15 Apr 2016 13:20

Tgt Ion:163 Resp: 51111
Ion Ratio Lower Upper
163 100
194 4.4 3.0 4.6
164 10.5 8.1 12.1

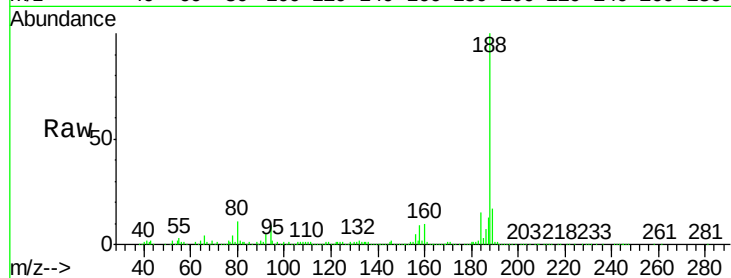




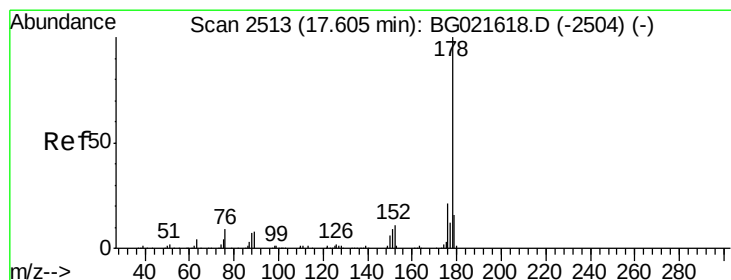
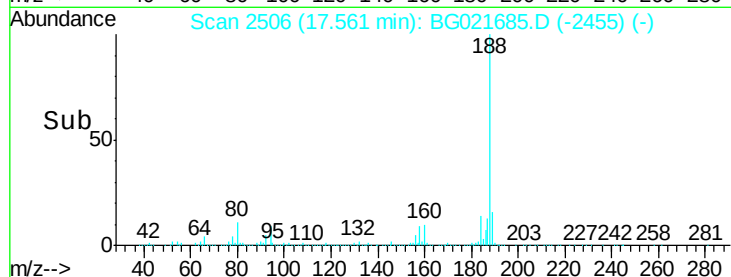
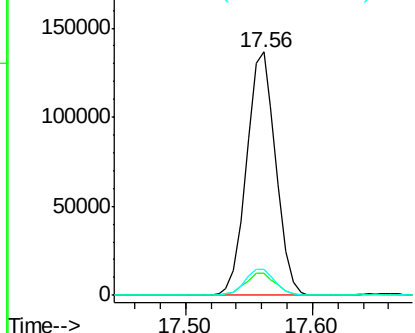
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.56 min Scan# 2506
Delta R.T. -0.00 min
Lab File: BG021685.D
Acq: 15 Apr 2016 13:20

Instrument :
BNA_G
ClientSampleId :
SP-7W(0-2)B

Tgt Ion:188 Resp: 218162
Ion Ratio Lower Upper
188 100
94 8.9 7.5 11.3
80 10.8 8.6 13.0

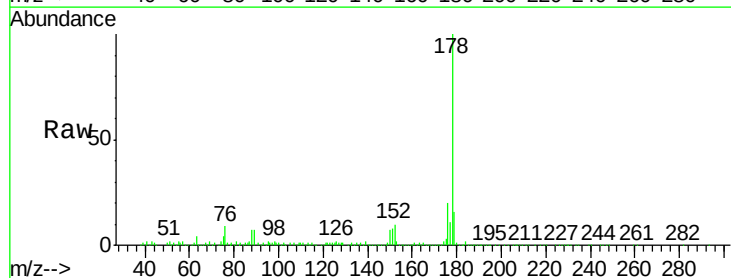


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC

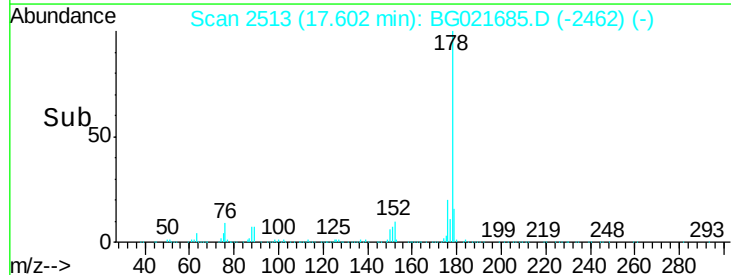
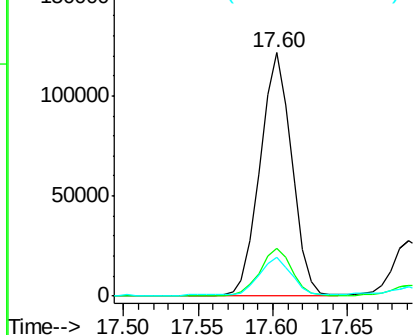


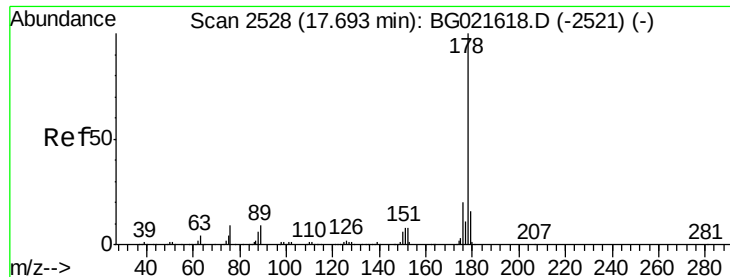
#70
Phenanthrene
Concen: 14.84 ng
RT: 17.60 min Scan# 2513
Delta R.T. -0.00 min
Lab File: BG021685.D
Acq: 15 Apr 2016 13:20

Tgt Ion:178 Resp: 178419
Ion Ratio Lower Upper
178 100
176 19.6 16.2 24.4
179 15.9 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

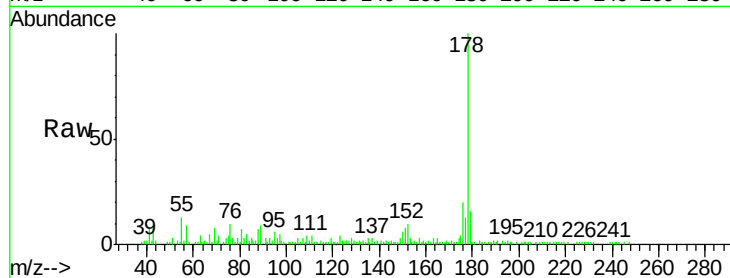




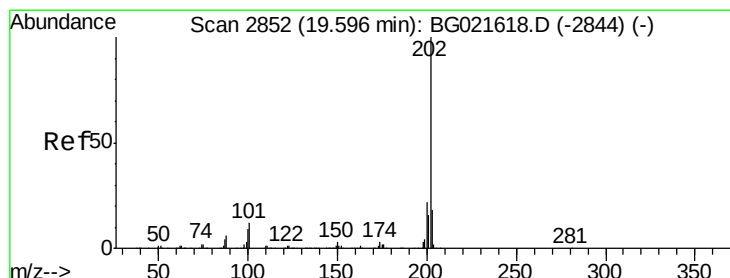
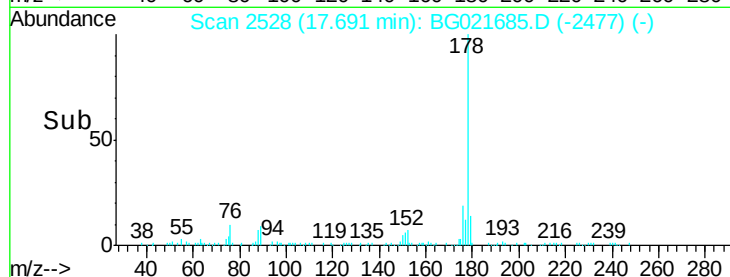
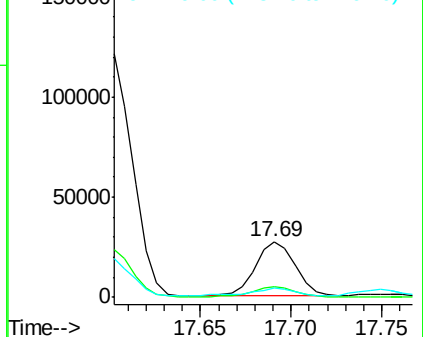
#71
 Anthracene
 Concen: 3.38 ng
 RT: 17.69 min Scan# 2528
 Delta R.T. -0.00 min
 Lab File: BG021685.D
 Acq: 15 Apr 2016 13:20

Instrument :
 BNA_G
 ClientSampleId :
 SP-7W(0-2)B

Tgt Ion:178 Resp: 41306
 Ion Ratio Lower Upper
 178 100
 176 19.7 15.0 22.4
 179 15.8 12.2 18.4

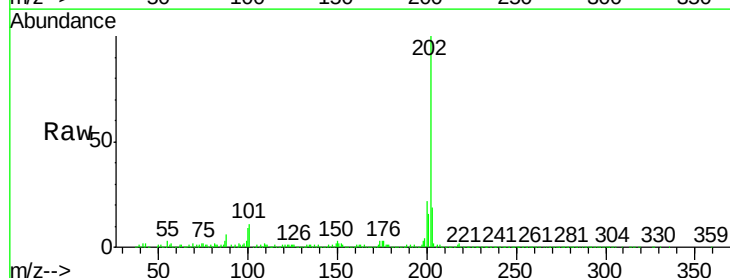


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

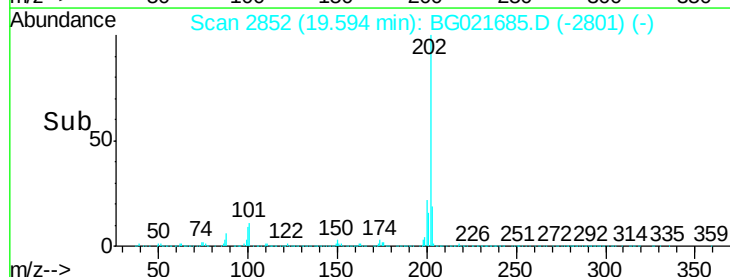
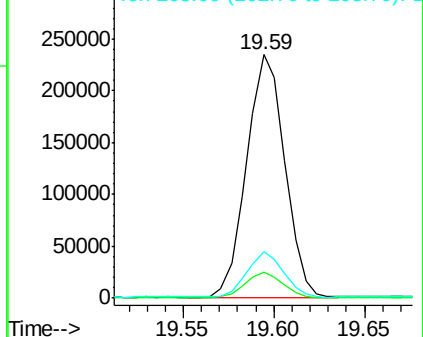


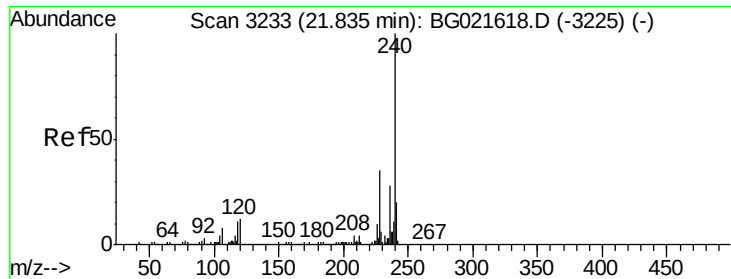
#74
 Fluoranthene
 Concen: 23.80 ng
 RT: 19.59 min Scan# 2852
 Delta R.T. -0.00 min
 Lab File: BG021685.D
 Acq: 15 Apr 2016 13:20

Tgt Ion:202 Resp: 341752
 Ion Ratio Lower Upper
 202 100
 101 10.7 0.0 31.0
 203 18.9 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# 3233

Delta R.T. -0.00 min

Lab File: BG021685.D

Acq: 15 Apr 2016 13:20

Instrument :

BNA_G

ClientSampleId :

SP-7W(0-2)B

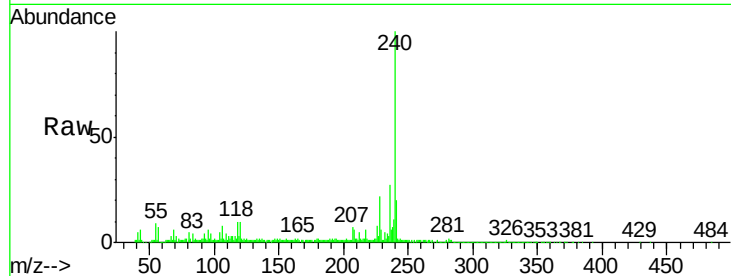
Tgt Ion:240 Resp: 246746

Ion Ratio Lower Upper

240 100

120 10.5 8.4 12.6

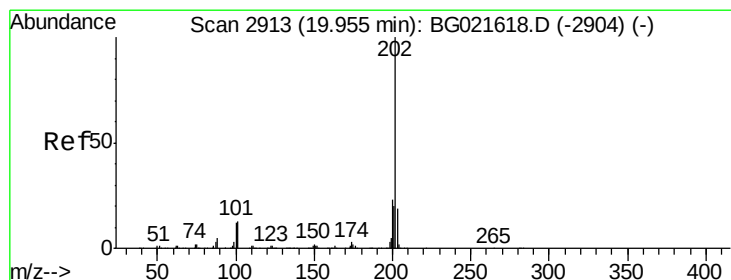
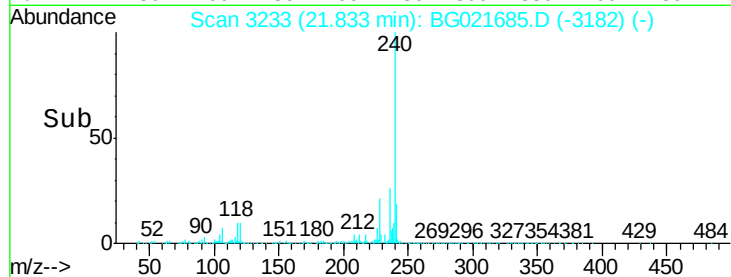
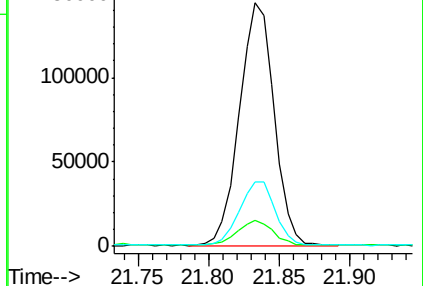
236 26.6 19.6 29.4



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: 24.54 ng

RT: 19.96 min Scan# 2914

Delta R.T. 0.00 min

Lab File: BG021685.D

Acq: 15 Apr 2016 13:20

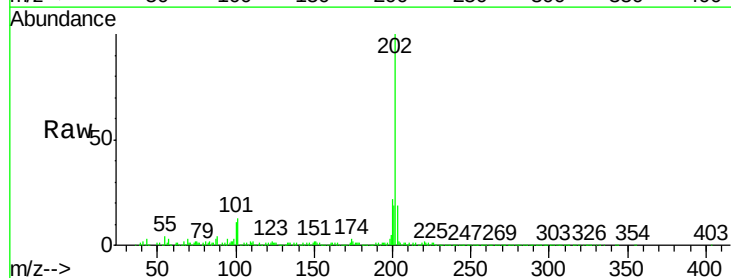
Tgt Ion:202 Resp: 349138

Ion Ratio Lower Upper

202 100

200 22.0 18.2 27.2

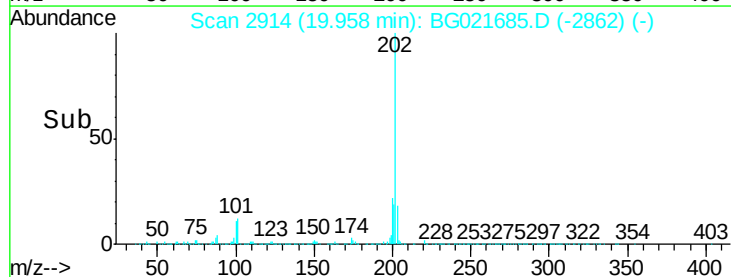
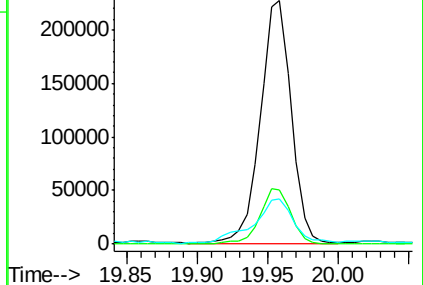
203 18.6 15.0 22.4

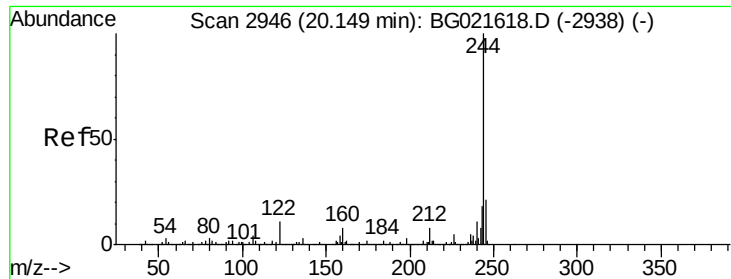


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

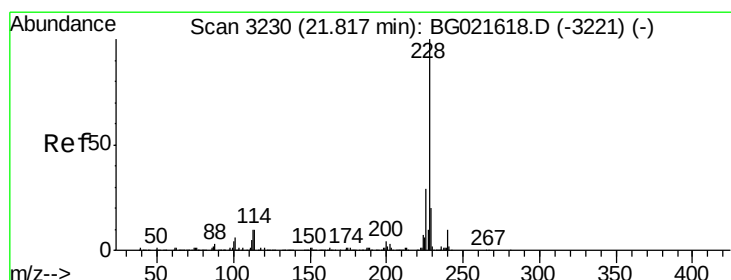
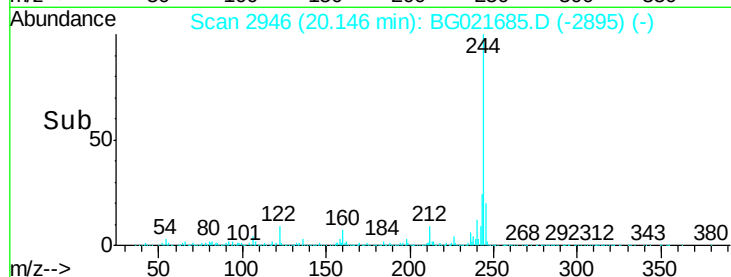
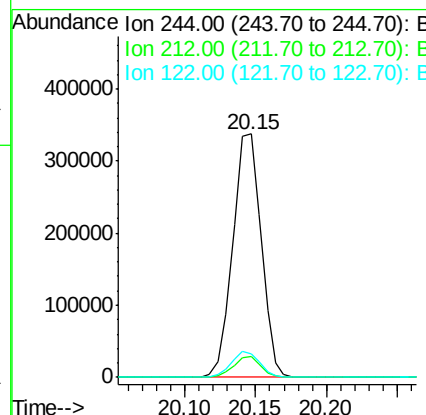
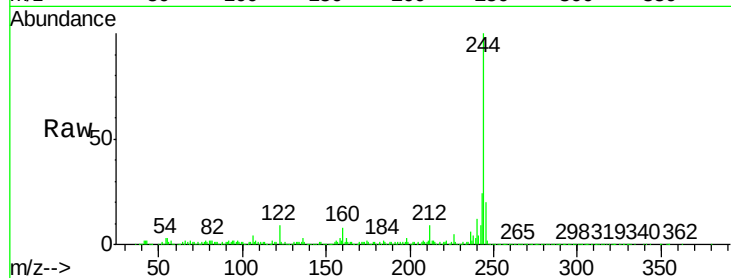




#78
 Terphenyl-d14
 Concen: 47.85 ng
 RT: 20.15 min Scan# 2946
 Delta R.T. -0.00 min
 Lab File: BG021685.D
 Acq: 15 Apr 2016 13:20

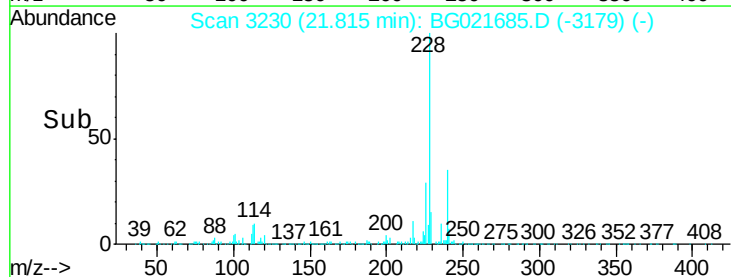
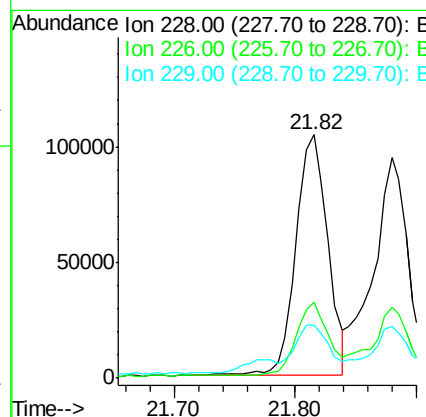
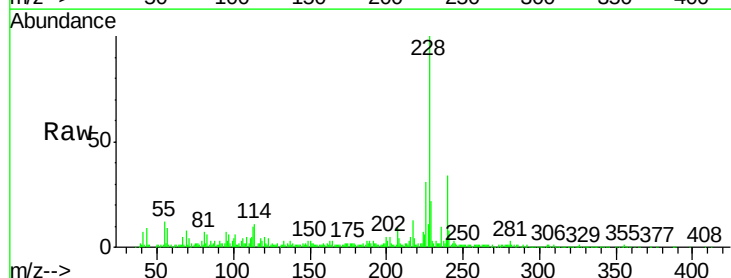
Instrument :
 BNA_G
 ClientSampleId :
 SP-7W(0-2)B

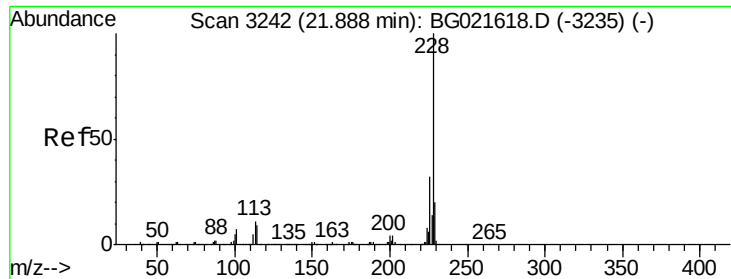
Tgt Ion:244 Resp: 473186
 Ion Ratio Lower Upper
 244 100
 212 8.7 6.5 9.7
 122 9.5 8.6 12.8



#80
 Benzo(a)anthracene
 Concen: 13.40 ng
 RT: 21.82 min Scan# 3230
 Delta R.T. -0.00 min
 Lab File: BG021685.D
 Acq: 15 Apr 2016 13:20

Tgt Ion:228 Resp: 190266
 Ion Ratio Lower Upper
 228 100
 226 31.3 22.6 34.0
 229 21.7 16.1 24.1





#82

Chrysene

Concen: 13.44 ng

RT: 21.88 min Scan# 3241

Delta R.T. -0.01 min

Lab File: BG021685.D

Acq: 15 Apr 2016 13:20

Instrument :

BNA_G

ClientSampleId :

SP-7W(0-2)B

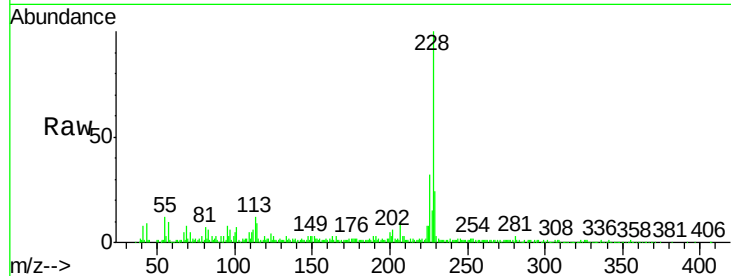
Tgt Ion:228 Resp: 183363

Ion Ratio Lower Upper

228 100

226 32.3 25.4 38.0

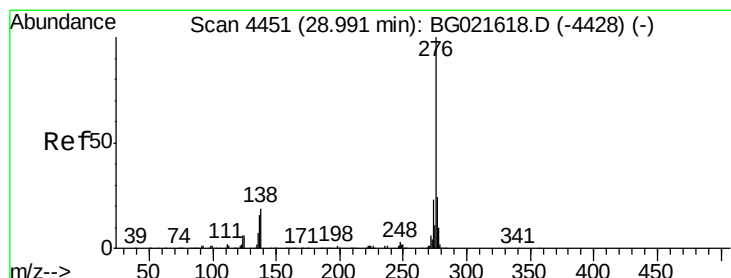
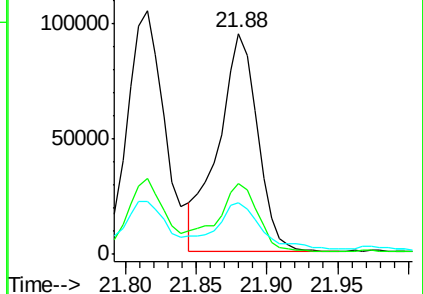
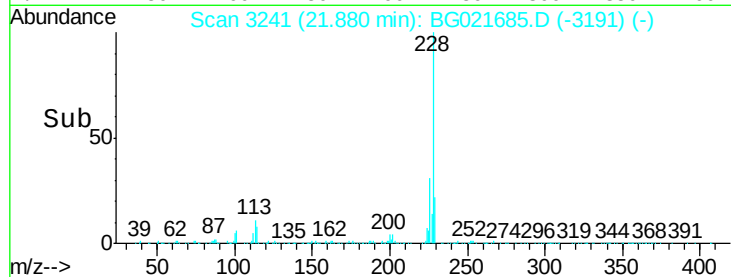
229 23.5 15.9 23.9



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: 4.90 ng

RT: 28.98 min Scan# 4450

Delta R.T. -0.01 min

Lab File: BG021685.D

Acq: 15 Apr 2016 13:20

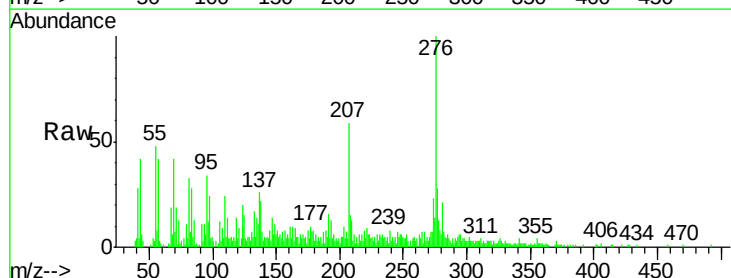
Tgt Ion:276 Resp: 79452

Ion Ratio Lower Upper

276 100

138 15.9 14.0 21.0

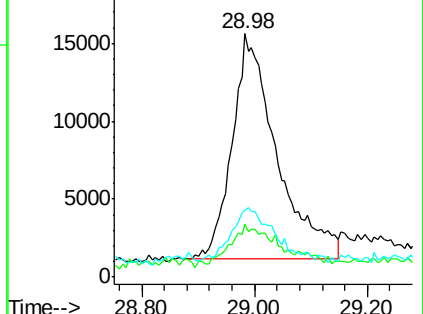
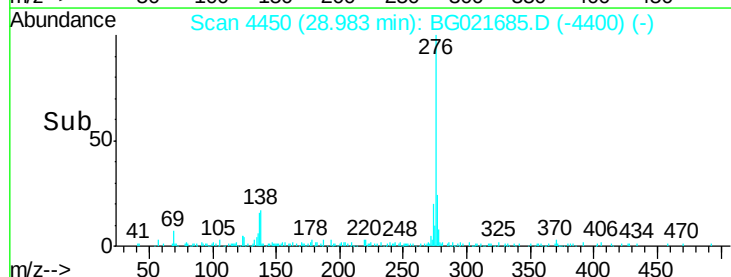
277 23.8 20.6 30.8

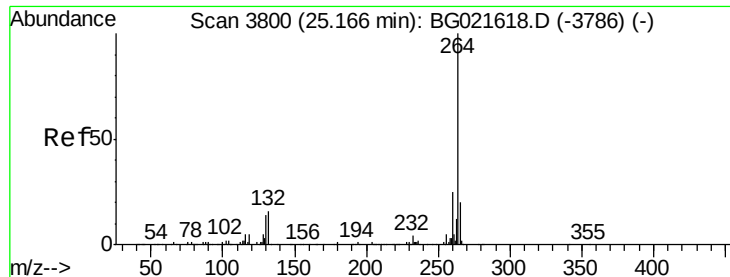


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

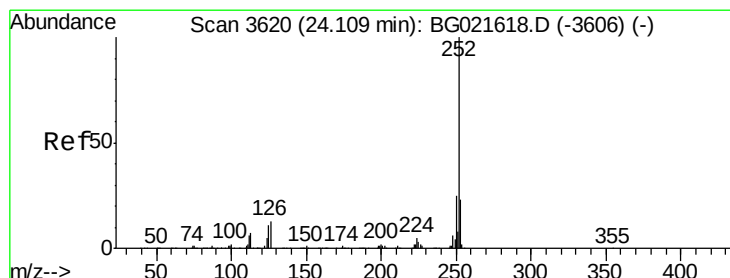
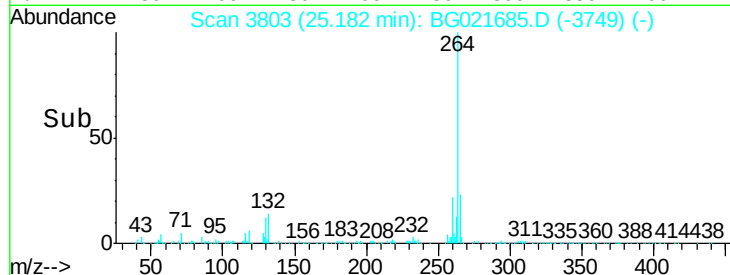
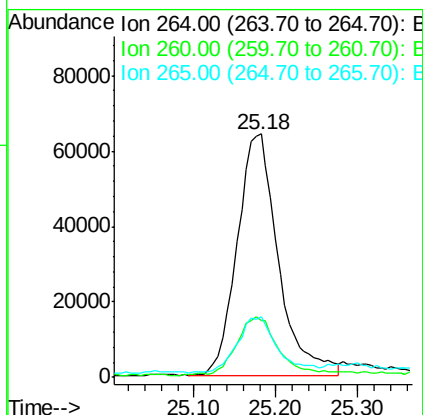
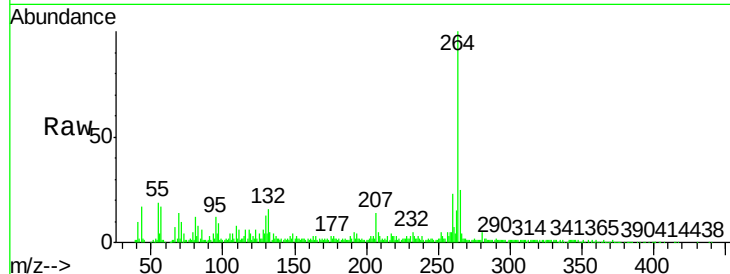




#86
Perylene-d12
Concen: 20.00 ng
RT: 25.18 min Scan# 3803
Delta R.T. 0.02 min
Lab File: BG021685.D
Acq: 15 Apr 2016 13:20

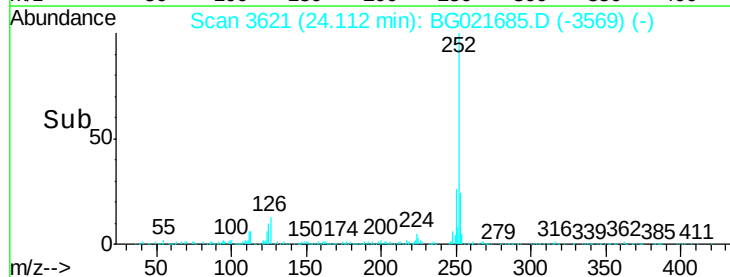
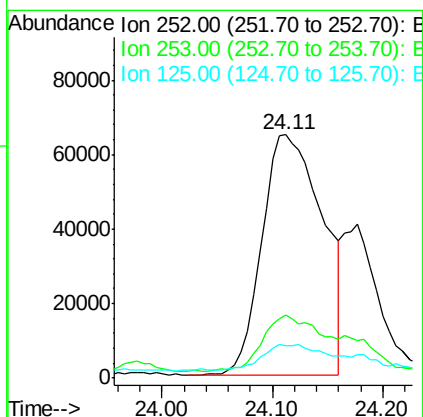
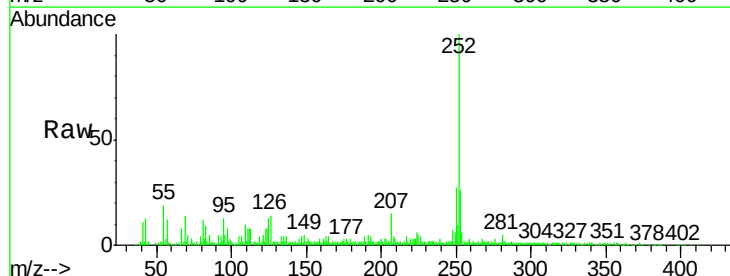
Instrument :
BNA_G
ClientSampleId :
SP-7W(0-2)B

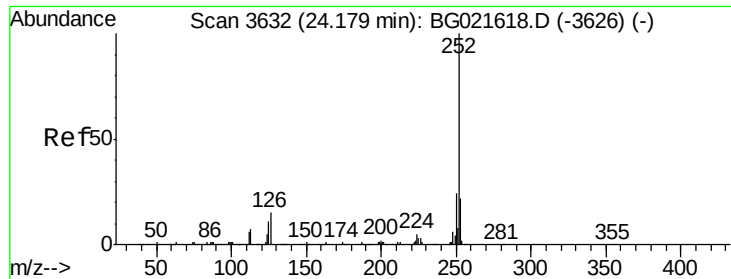
Tgt Ion:	264	Resp:	223527
Ion	Ratio	Lower	Upper
264	100		
260	23.3	20.2	30.4
265	24.8	17.8	26.8



#87
Benzo(b)fluoranthene
Concen: 19.01 ng
RT: 24.11 min Scan# 3621
Delta R.T. 0.00 min
Lab File: BG021685.D
Acq: 15 Apr 2016 13:20

Tgt Ion:	252	Resp:	246578
Ion	Ratio	Lower	Upper
252	100		
253	25.8	17.5	26.3
125	13.2	8.6	13.0#

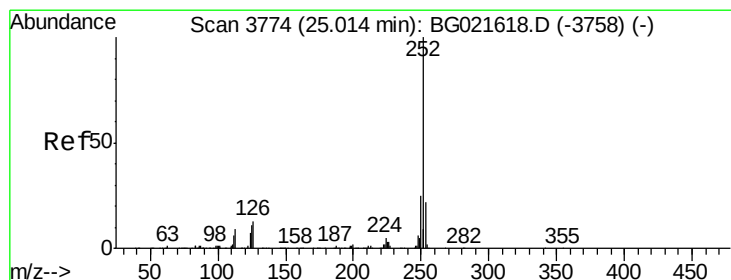
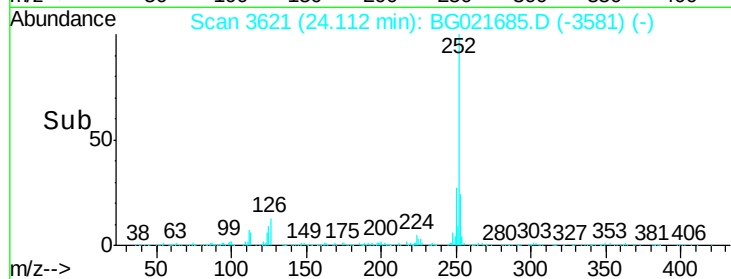
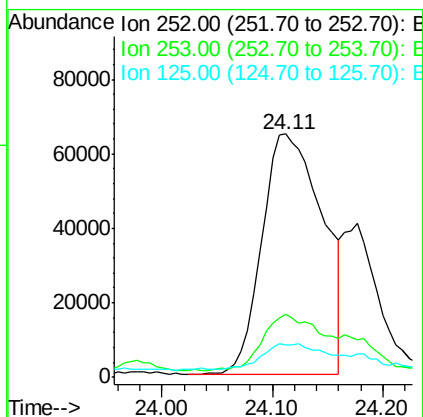
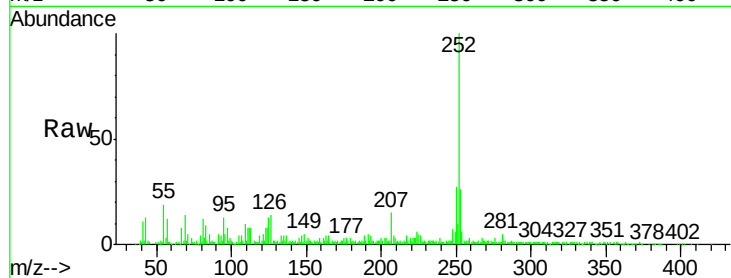




#88
Benzo(k)fluoranthene
Concen: 19.44 ng
RT: 24.11 min Scan# 3621
Delta R.T. -0.07 min
Lab File: BG021685.D
Acq: 15 Apr 2016 13:20

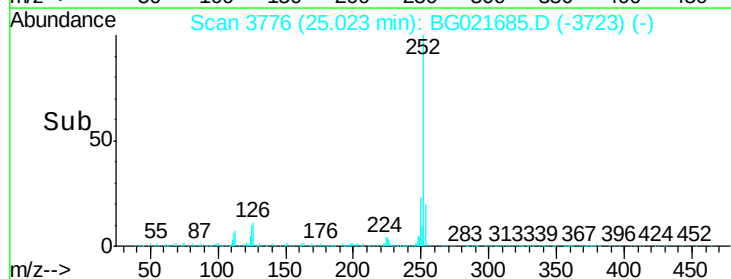
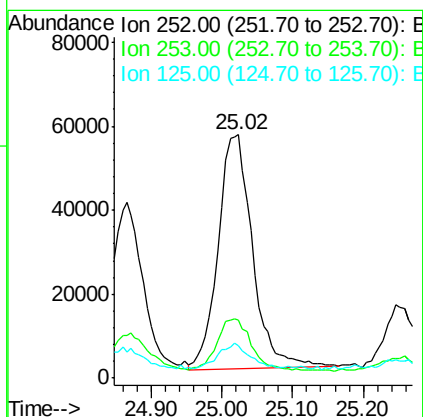
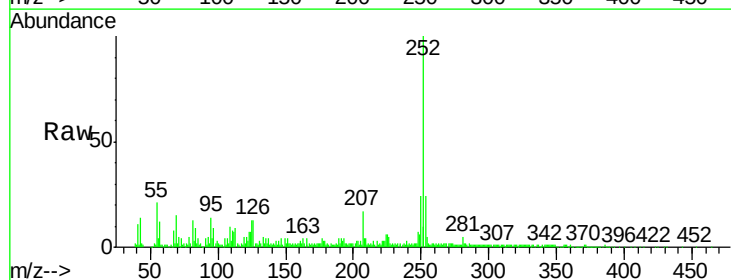
Instrument :
BNA_G
ClientSampleId :
SP-7W(0-2)B

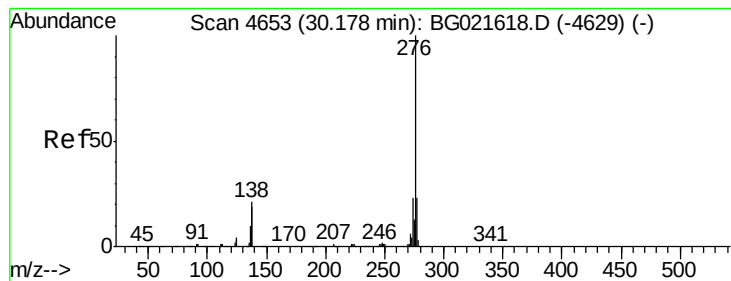
Tgt Ion:252 Resp: 246578
Ion Ratio Lower Upper
252 100
253 25.8 17.8 26.8
125 13.2 8.3 12.5#



#89
Benzo(a)pyrene
Concen: 14.98 ng
RT: 25.02 min Scan# 3776
Delta R.T. 0.01 min
Lab File: BG021685.D
Acq: 15 Apr 2016 13:20

Tgt Ion:252 Resp: 188212
Ion Ratio Lower Upper
252 100
253 23.9 17.1 25.7
125 13.3 9.6 14.4





#91

Benzo(g,h,i)perylene

Concen: 4.92 ng

RT: 30.19 min Scan# 4655

Delta R.T. 0.01 min

Lab File: BG021685.D

Acq: 15 Apr 2016 13:20

Instrument :

BNA_G

ClientSampleId :

SP-7W(0-2)B

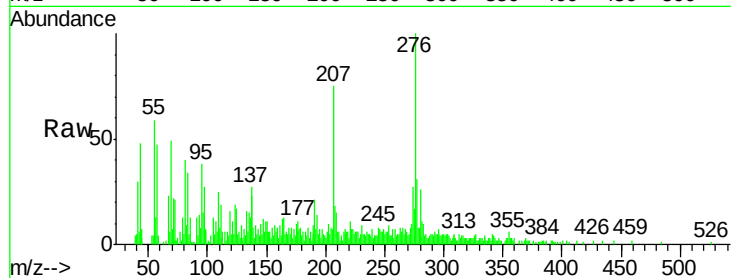
Tgt Ion: 276 Resp: 60822

Ion Ratio Lower Upper

276 100

277 31.3 19.4 29.2#

138 23.4 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

