

Data Path : Z:\HPCHEM1\BNA G\Data\BG042116\RAW\
 Data File : BG021783.D
 Acq On : 20 Apr 2016 13:45
 Operator : UM/SJ
 Sample : H2589-11
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 20 16:06:58 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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

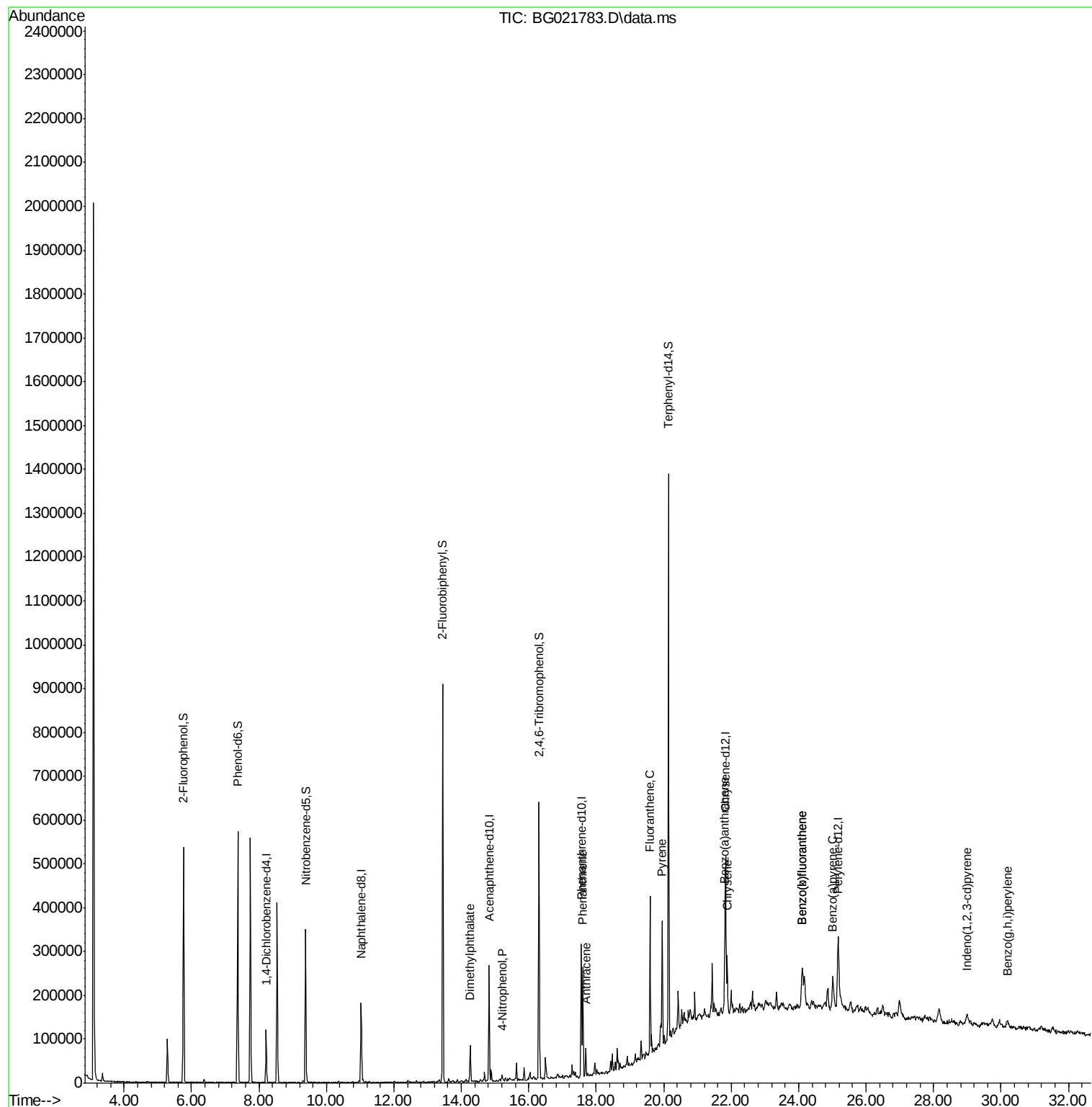
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.214	152	34179	20.00	ng	0.00
21) Naphthalene-d8	11.029	136	154072	20.00	ng	0.00
38) Acenaphthene-d10	14.824	164	91305	20.00	ng	0.00
63) Phenanthrene-d10	17.556	188	185791	20.00	ng	0.00
75) Chrysene-d12	21.834	240	204265	20.00	ng	0.00
86) Perylene-d12	25.177	264	190690	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.764	112	236927	115.43	ng	0.00
7) Phenol-d6	7.368	99	348931	113.81	ng	0.01
23) Nitrobenzene-d5	9.378	82	218717	72.97	ng	0.00
41) 2,4,6-Tribromophenol	16.305	330	116675	118.57	ng	0.00
44) 2-Fluorobiphenyl	13.449	172	479367	76.92	ng	0.00
78) Terphenyl-d14	20.141	244	569120	69.52	ng	0.00
Target Compounds						
						Qvalue
49) Dimethylphthalate	14.260	163	54370	6.89	ng	98
55) 4-Nitrophenol	15.212	139	3385	2.37	ng	# 14
70) Phenanthrene	17.603	178	161812	15.80	ng	100
71) Anthracene	17.691	178	40539	3.90	ng	98
74) Fluoranthene	19.595	202	219624	17.96	ng	99
77) Pyrene	19.953	202	177734	15.09	ng	97
80) Benzo(a)anthracene	21.810	228	97547	8.30	ng	98
82) Chrysene	21.881	228	97679	8.65	ng	95
85) Indeno(1,2,3-cd)pyrene	28.996	276	41968	3.13	ng	# 81
87) Benzo(b)fluoranthene	24.107	252	120592	10.90	ng	# 92
88) Benzo(k)fluoranthene	24.107	252	120592	11.15	ng	92
89) Benzo(a)pyrene	25.012	252	84624	7.89	ng	95
91) Benzo(a,h,i)perylene	30.194	276	36086	3.42	ng	94

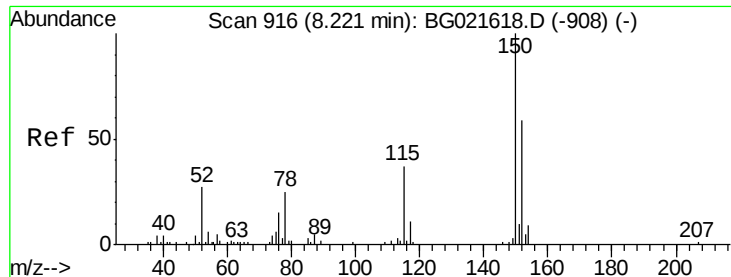
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.214 min Scan# 91

Delta R.T. -0.007 min

Lab File: BG021783.D

Acq: 20 Apr 2016 13:45

Instrument :

BNA_G

ClientSampleId :

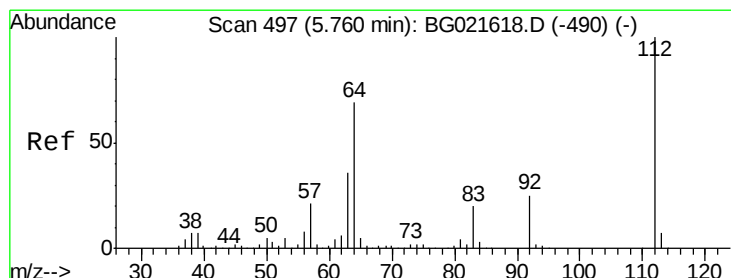
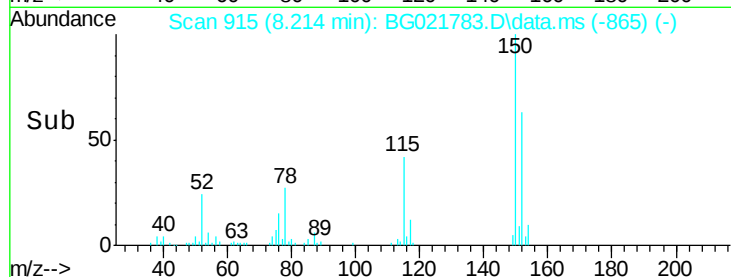
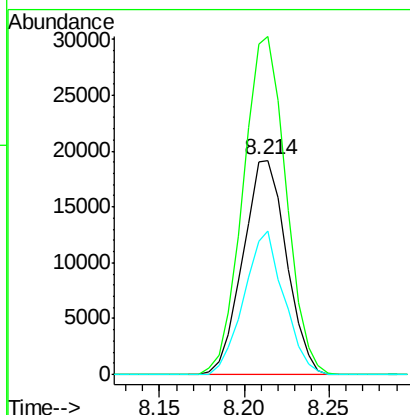
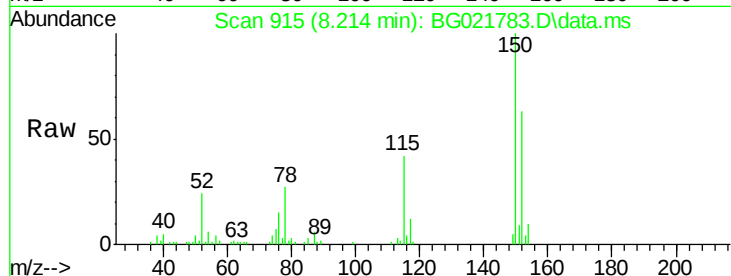
Tot Ion:152 Resp: 34179

Ion Ratio Lower Upper

152 100

150 157.9 130.1 195.1

115 67.0 62.2 93.2



#5

2-Fluorophenol

Concen: 115.43 ng

RT: 5.764 min Scan# 498

Delta R.T. 0.005 min

Lab File: BG021783.D

Acq: 20 Apr 2016 13:45

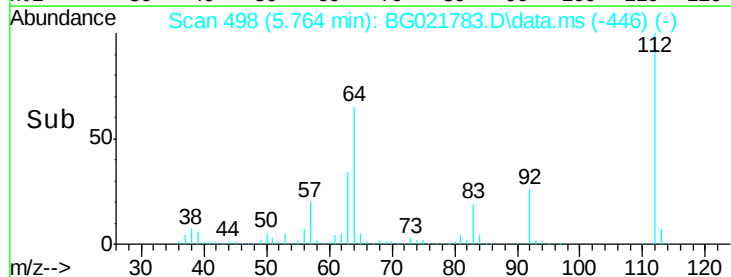
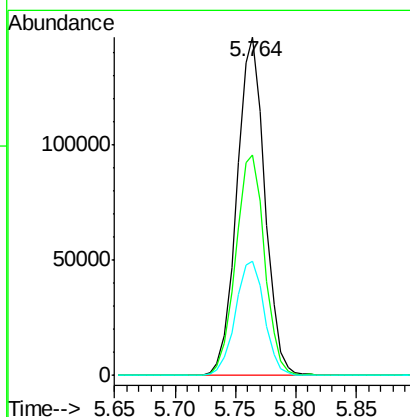
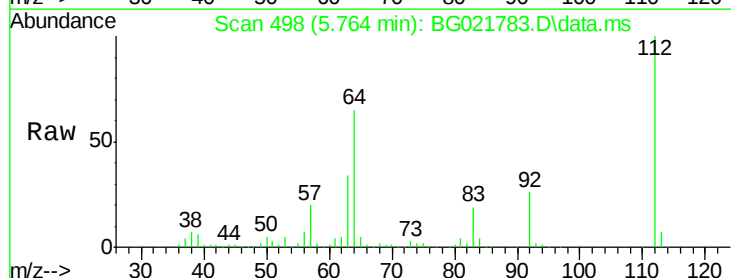
Tgt Ion:112 Resp: 236927

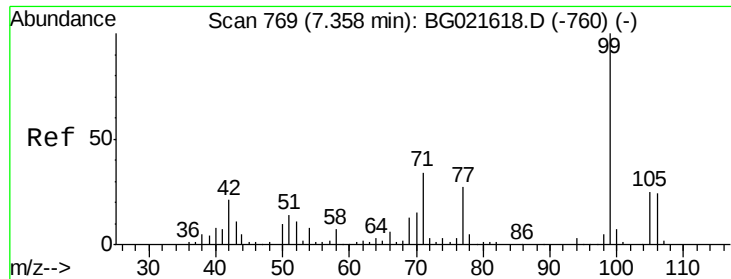
Ion Ratio Lower Upper

112 100

64 65.0 51.1 76.7

63 33.6 24.6 37.0





#7

Phenol-d6

Concen: 113.81 ng

RT: 7.368 min Scan# 77

Delta R.T. 0.010 min

Lab File: BG021783.D

Acq: 20 Apr 2016 13:45

Instrument :

BNA_G

ClientSampled :

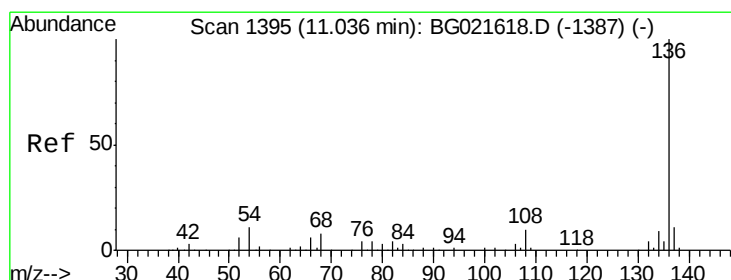
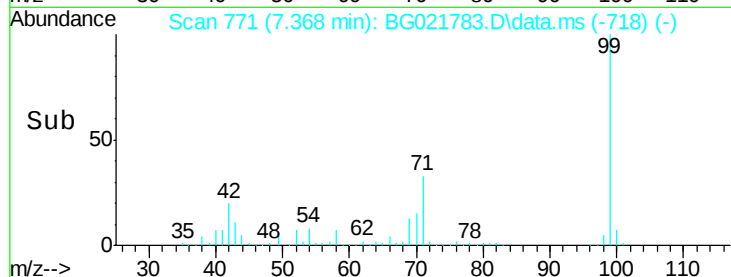
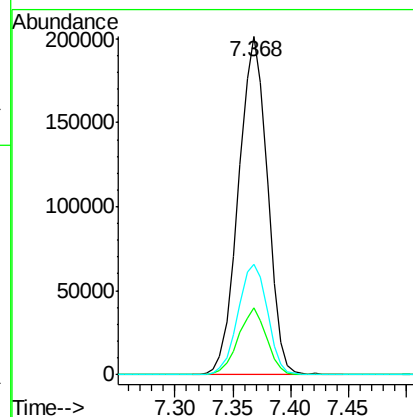
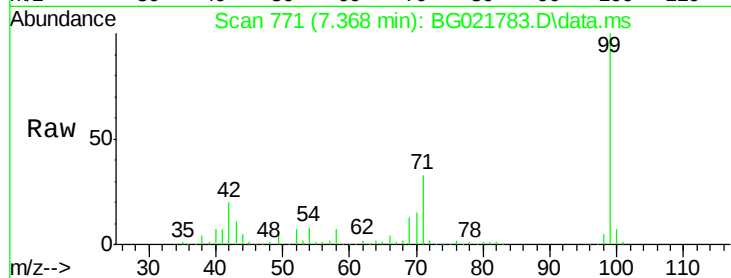
Tot Ion: 99 Resp: 348931

Ion Ratio Lower Upper

99 100

42 19.7 16.4 24.6

71 32.6 25.0 37.4



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 11.029 min Scan# 1394

Delta R.T. -0.007 min

Lab File: BG021783.D

Acq: 20 Apr 2016 13:45

Tgt Ion: 136 Resp: 154072

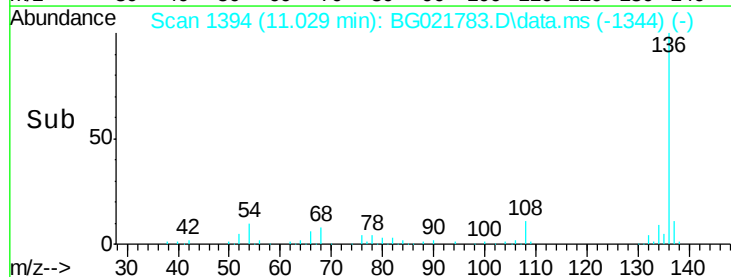
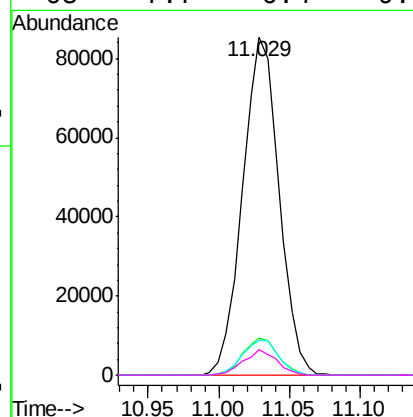
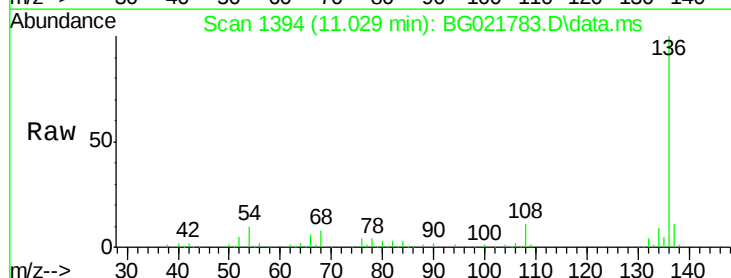
Ion Ratio Lower Upper

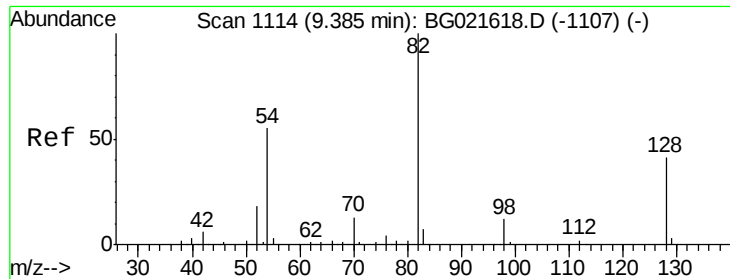
136 100

137 11.0 9.0 13.4

54 10.3 9.6 14.4

68 7.7 6.4 9.6





#23

Nitrobenzene-d5

Concen: 72.97 ng

RT: 9.378 min Scan# 1114

Delta R.T. -0.007 min

Lab File: BG021783.D

Acq: 20 Apr 2016 13:45

Instrument :

BNA_G

ClientSampleId :

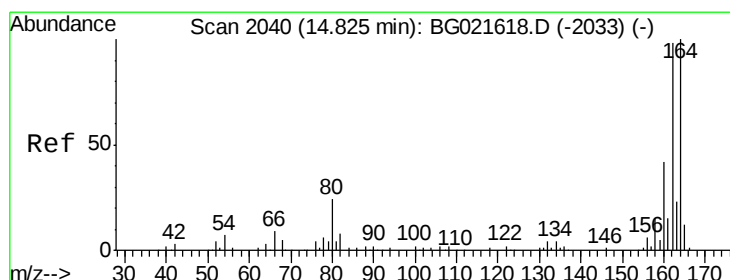
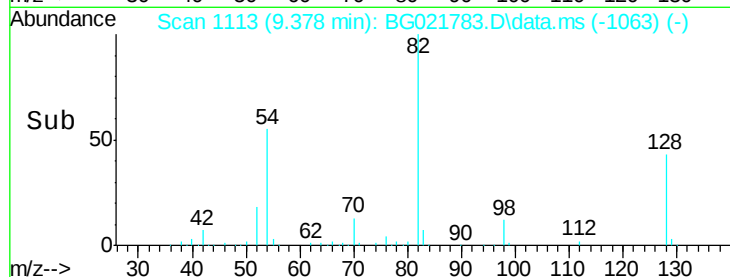
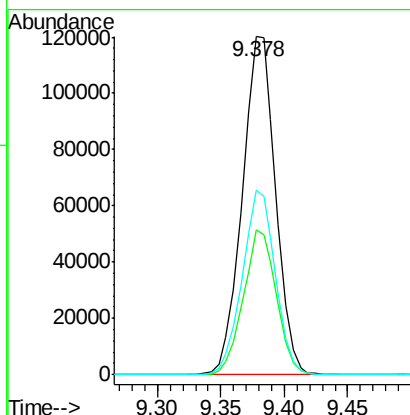
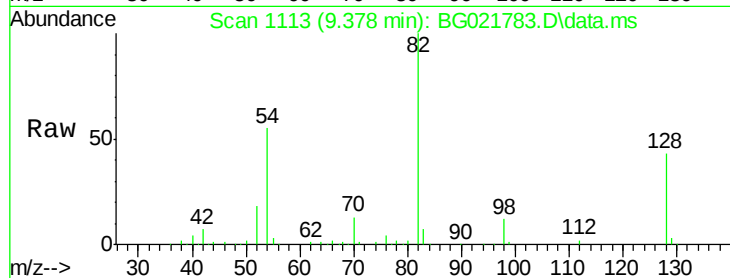
Tot Ion: 82 Resp: 218717

Ion Ratio Lower Upper

82 100

128 43.0 33.4 50.0

54 54.7 46.1 69.1



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.824 min Scan# 2040

Delta R.T. -0.001 min

Lab File: BG021783.D

Acq: 20 Apr 2016 13:45

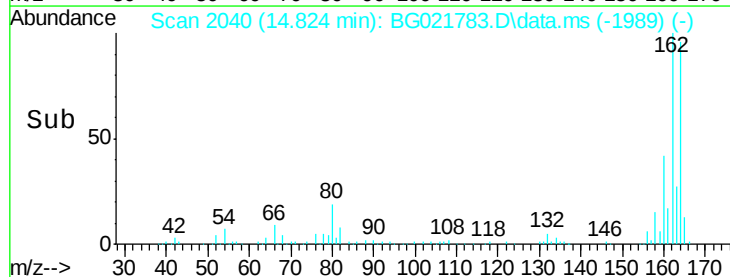
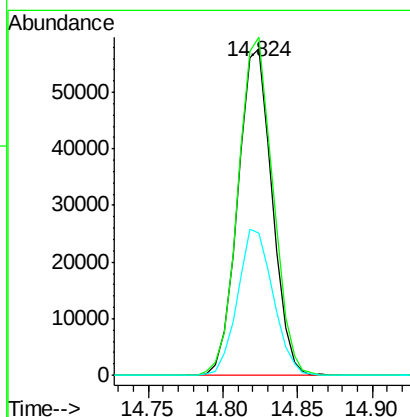
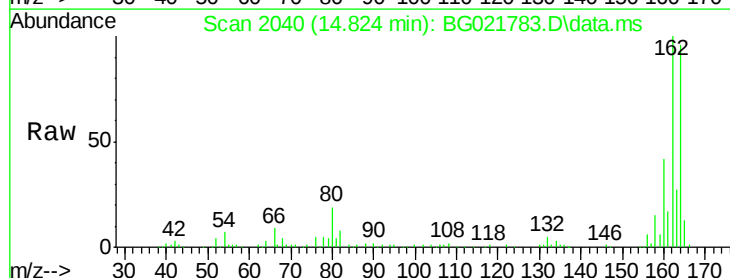
Tgt Ion: 164 Resp: 91305

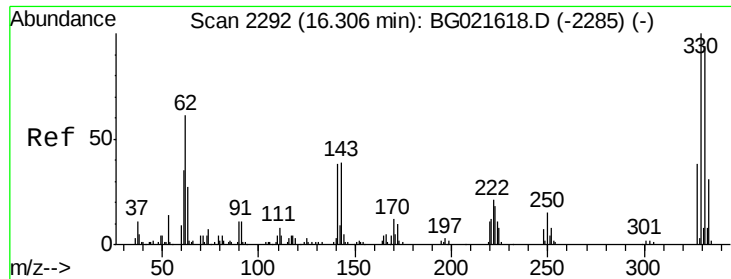
Ion Ratio Lower Upper

164 100

162 103.7 78.0 117.0

160 43.5 32.9 49.3

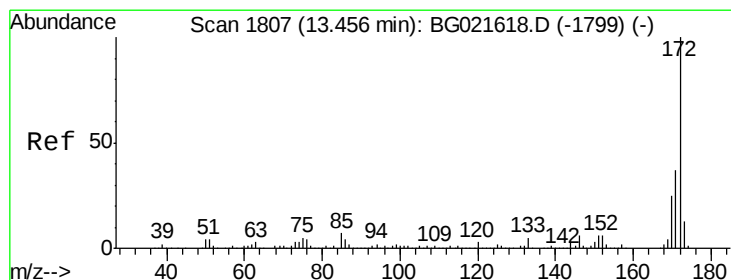
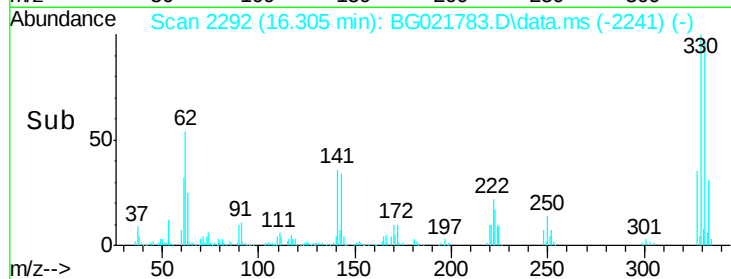
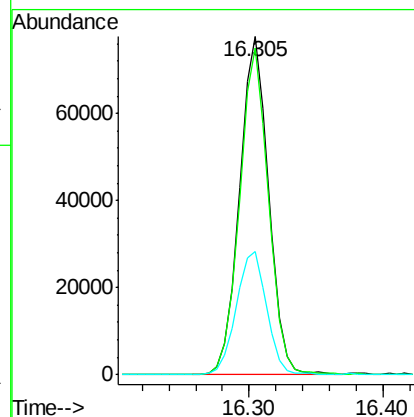
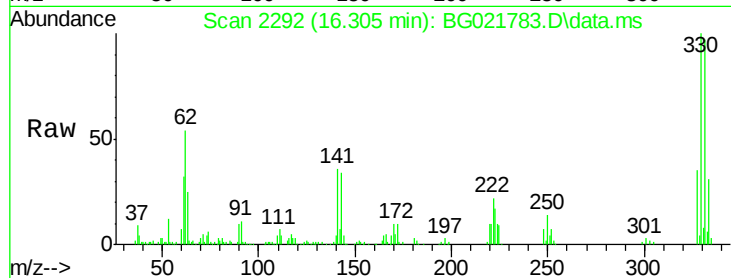




#41
 2,4,6-Tribromophenol
 Concen: 118.57 ng
 RT: 16.305 min Scan# 2292
 Delta R.T. -0.001 min
 Lab File: BG021783.D
 Acq: 20 Apr 2016 13:45

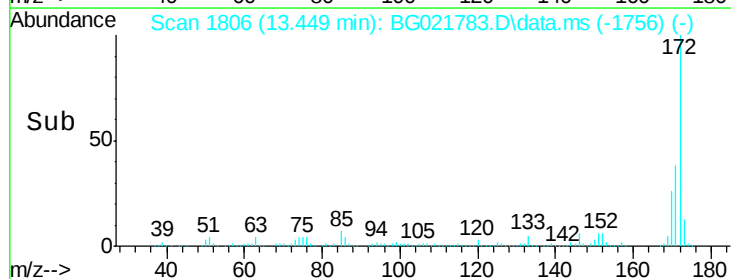
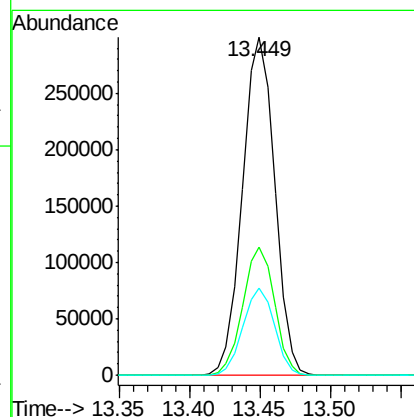
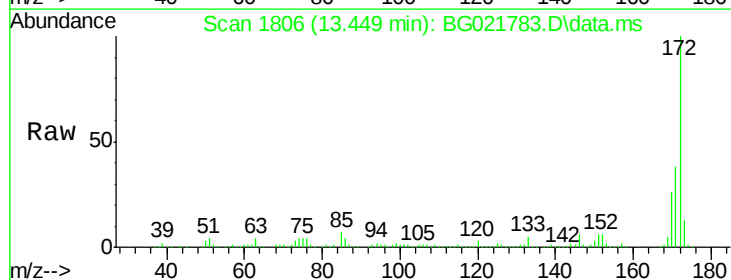
Instrument :
 BNA_G
 ClientSampleId :

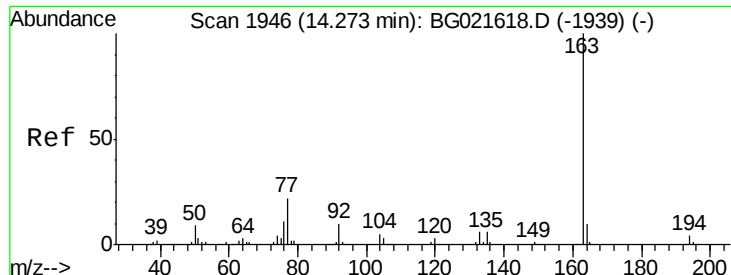
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.1	78.0	117.0
141	38.2	33.8	50.8



#44
 2-Fluorobiphenyl
 Concen: 76.92 ng
 RT: 13.449 min Scan# 1806
 Delta R.T. -0.007 min
 Lab File: BG021783.D
 Acq: 20 Apr 2016 13:45

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.0	27.8	41.6
170	25.8	19.6	29.4





#49

Dimethylphthalate

Concen: 6.89 ng

RT: 14.260 min Scan# 19

Delta R.T. -0.013 min

Lab File: BG021783.D

Acq: 20 Apr 2016 13:45

Instrument :

BNA_G

ClientSampleId :

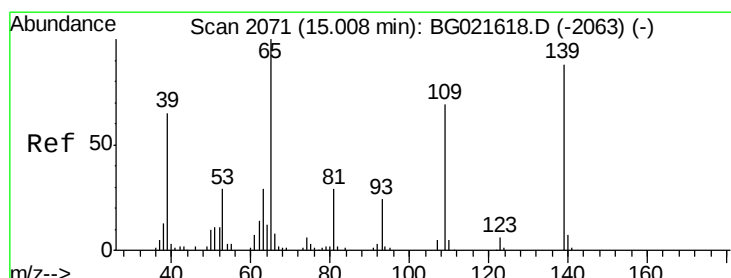
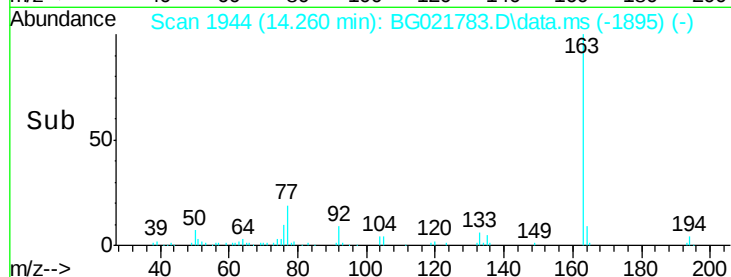
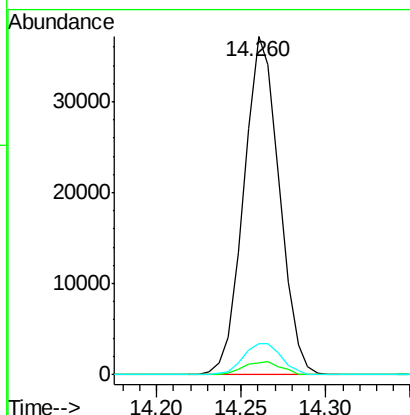
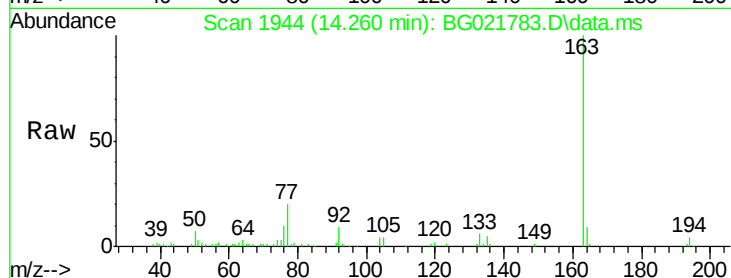
Tot Ion:163 Resp: 54370

Ion Ratio Lower Upper

163 100

194 3.6 3.0 4.6

164 9.2 8.1 12.1



#55

4-Nitrophenol

Concen: 2.37 ng

RT: 15.212 min Scan# 2106

Delta R.T. 0.204 min

Lab File: BG021783.D

Acq: 20 Apr 2016 13:45

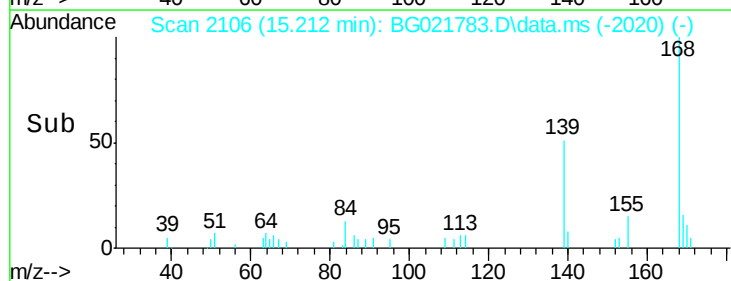
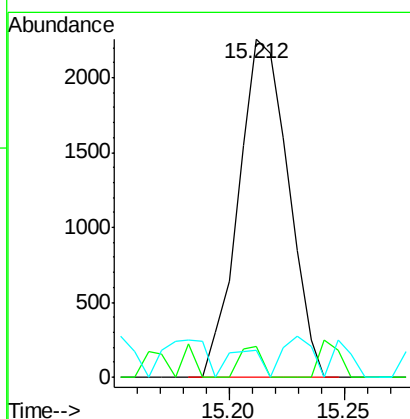
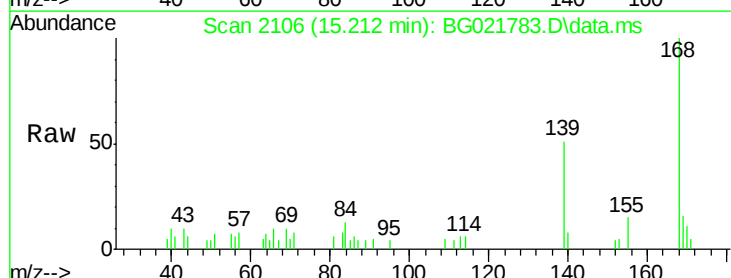
Tgt Ion:139 Resp: 3385

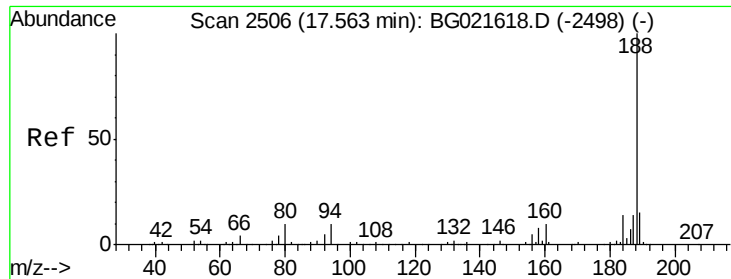
Ion Ratio Lower Upper

139 100

109 9.0 49.2 89.2#

65 8.0 83.2 123.2#

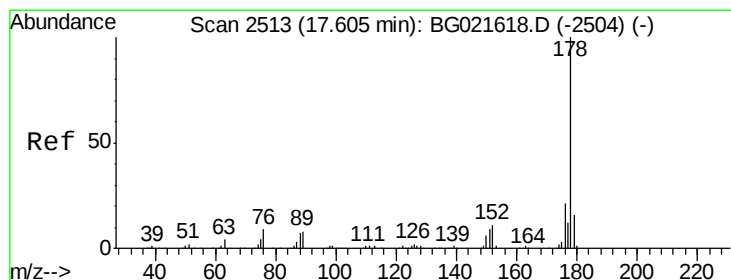
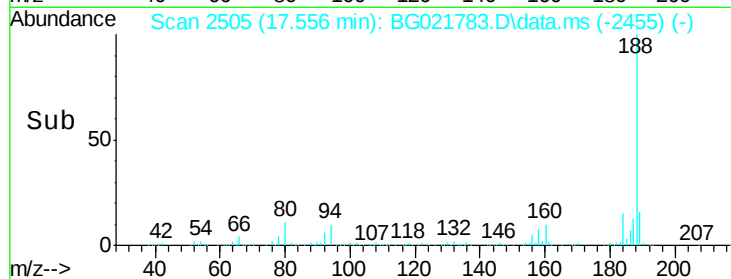
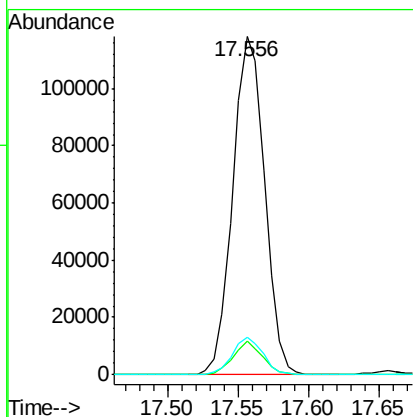
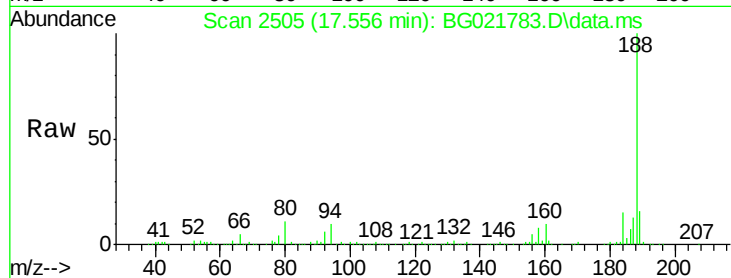




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 17.556 min Scan# 25
 Delta R.T. -0.007 min
 Lab File: BG021783.D
 Acq: 20 Apr 2016 13:45

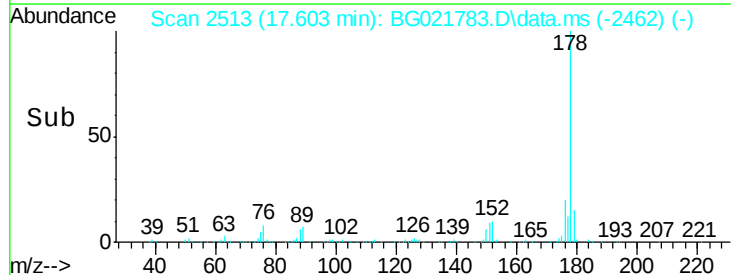
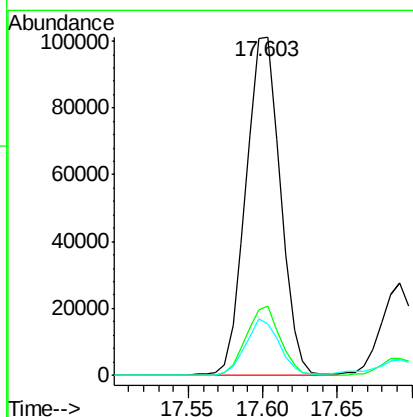
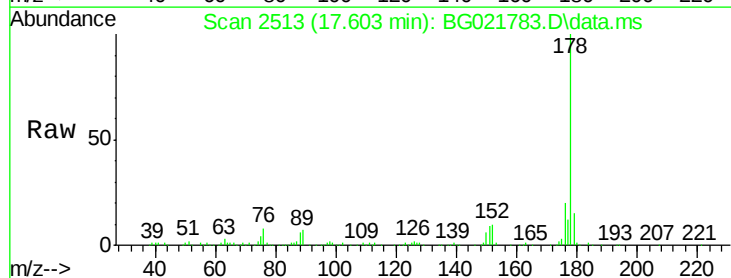
Instrument :
 BNA_G
 ClientSampleId :

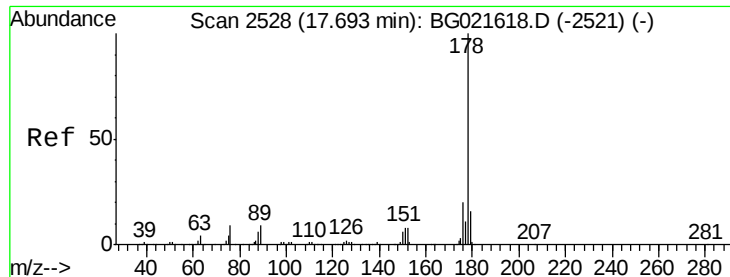
Tot Ion	Ratio	Lower	Upper
188	100		
94	9.8	7.5	11.3
80	11.0	8.6	13.0



#70
 Phenanthrene
 Concen: 15.80 ng
 RT: 17.603 min Scan# 2513
 Delta R.T. -0.001 min
 Lab File: BG021783.D
 Acq: 20 Apr 2016 13:45

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.4	16.2	24.4
179	15.3	12.0	18.0

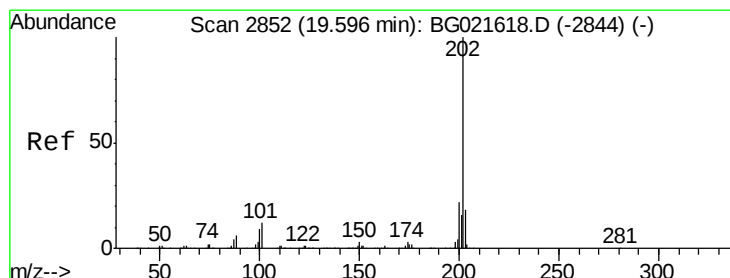
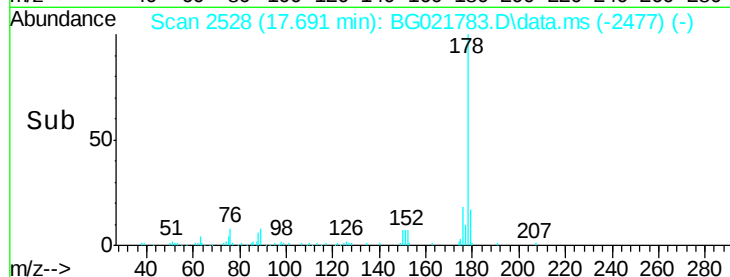
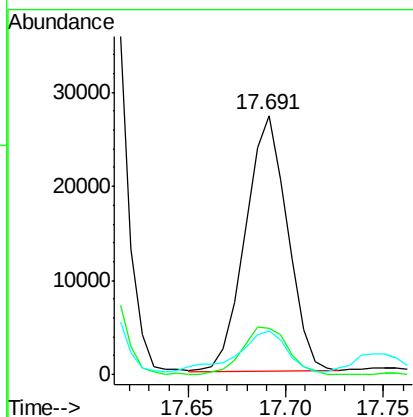
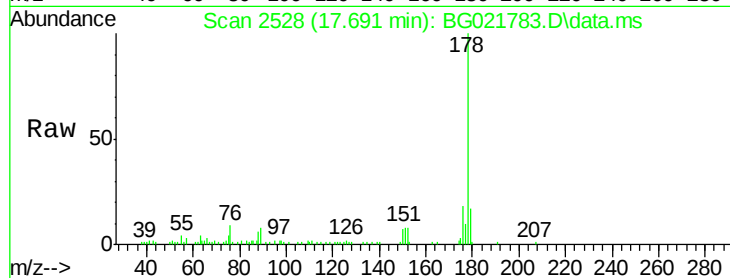




#71
 Anthracene
 Concen: 3.90 ng
 RT: 17.691 min Scan# 2528
 Delta R.T. -0.001 min
 Lab File: BG021783.D
 Acq: 20 Apr 2016 13:45

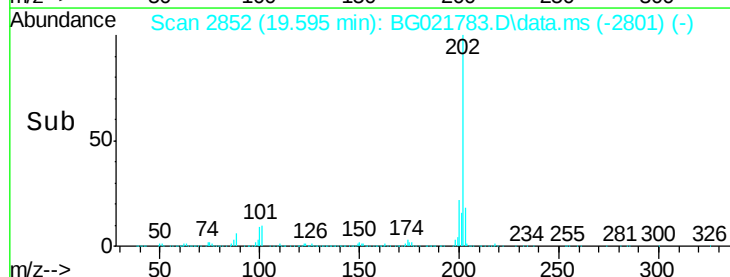
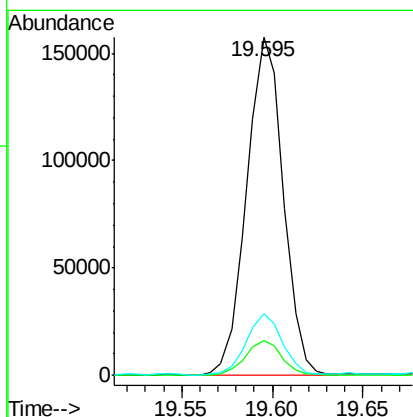
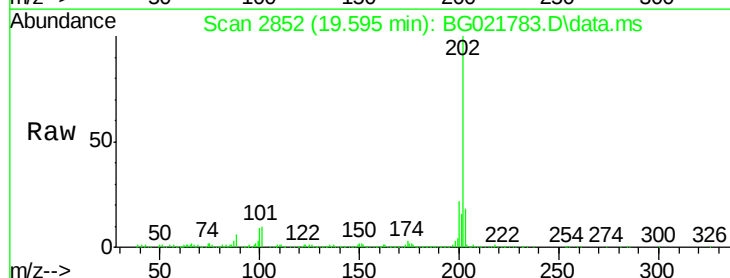
Instrument :
 BNA_G
 ClientSampleId :

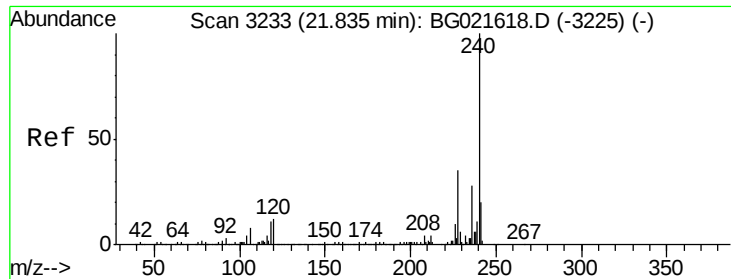
Tot Ion:178 Resp: 40539
 Ion Ratio Lower Upper
 178 100
 176 18.0 15.0 22.4
 179 16.7 12.2 18.4



#74
 Fluoranthene
 Concen: 17.96 ng
 RT: 19.595 min Scan# 2852
 Delta R.T. -0.001 min
 Lab File: BG021783.D
 Acq: 20 Apr 2016 13:45

Tgt Ion:202 Resp: 219624
 Ion Ratio Lower Upper
 202 100
 101 10.4 0.0 31.0
 203 18.2 0.0 37.9

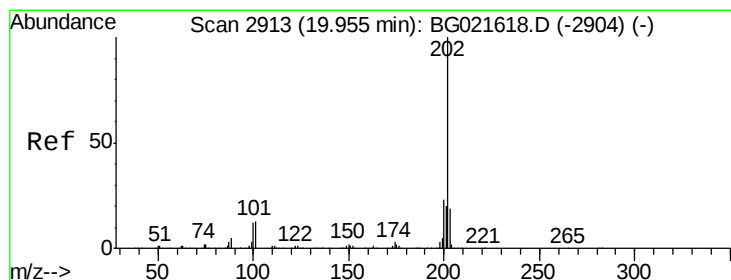
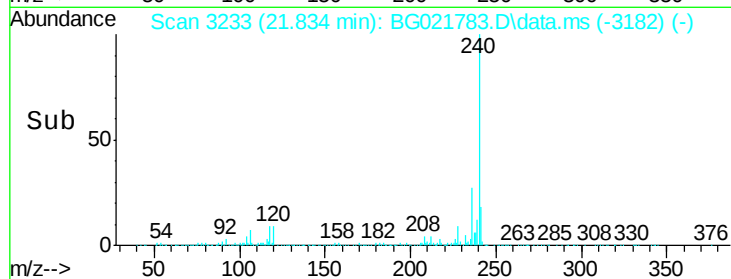
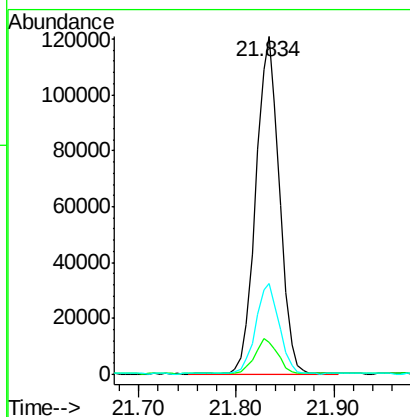
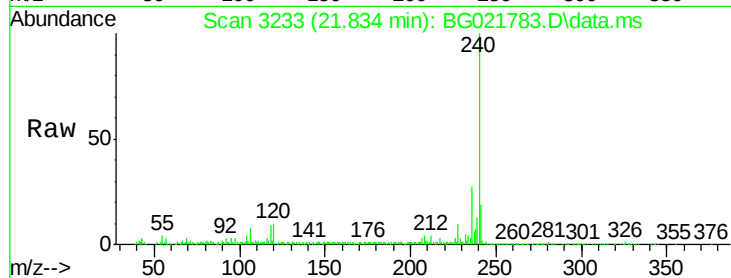




#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.834 min Scan# 32
Delta R.T. -0.001 min
Lab File: BG021783.D
Acq: 20 Apr 2016 13:45

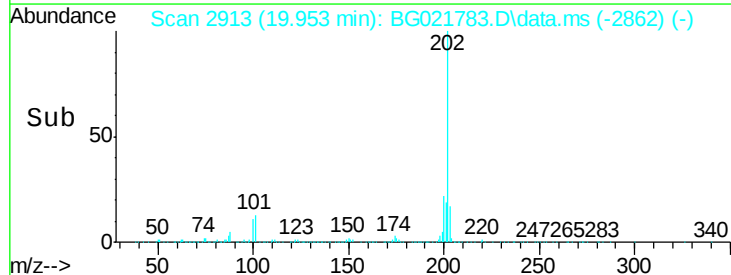
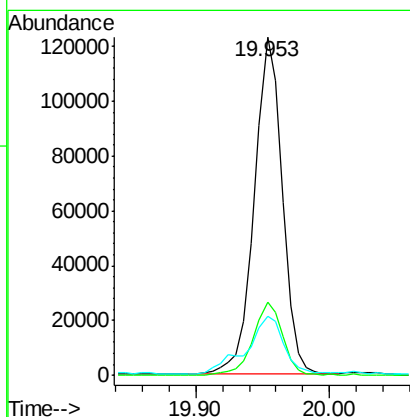
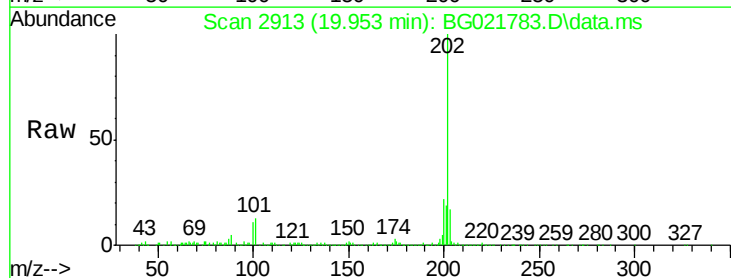
Instrument :
BNA_G
ClientSampleId :

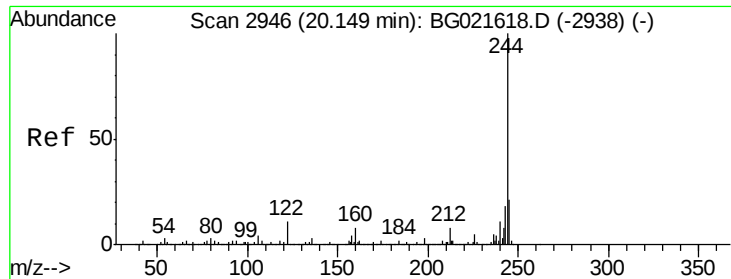
Tot Ion	Ratio	Lower	Upper
240	100		
120	9.5	8.4	12.6
236	26.9	19.6	29.4



#77
Pyrene
Concen: 15.09 ng
RT: 19.953 min Scan# 2913
Delta R.T. -0.001 min
Lab File: BG021783.D
Acq: 20 Apr 2016 13:45

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.7	18.2	27.2
203	17.3	15.0	22.4

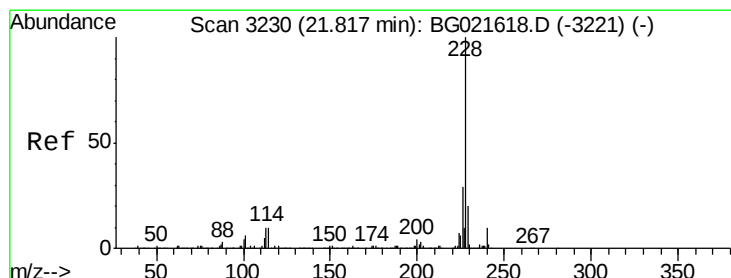
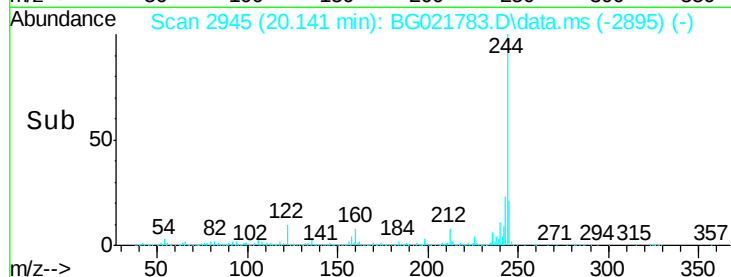
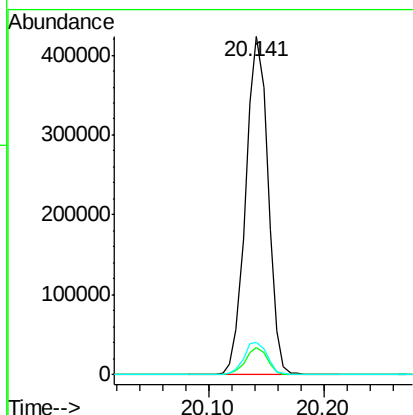
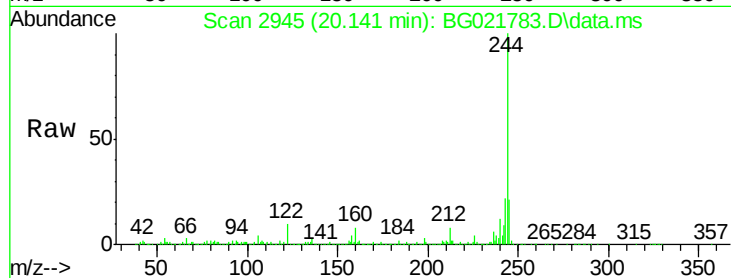




#78
 Terphenyl-d14
 Concen: 69.52 ng
 RT: 20.141 min Scan# 29
 Delta R.T. -0.007 min
 Lab File: BG021783.D
 Acq: 20 Apr 2016 13:45

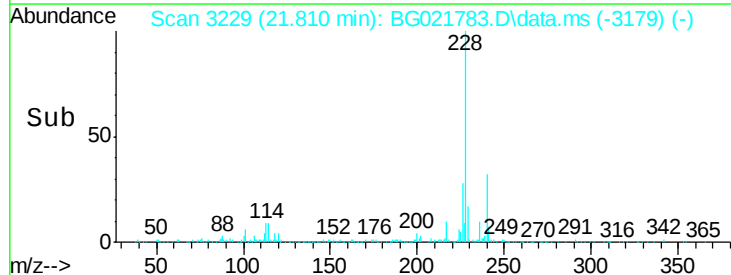
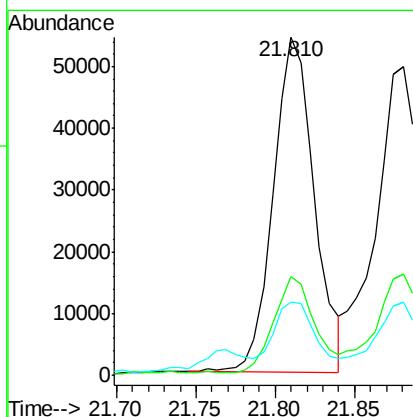
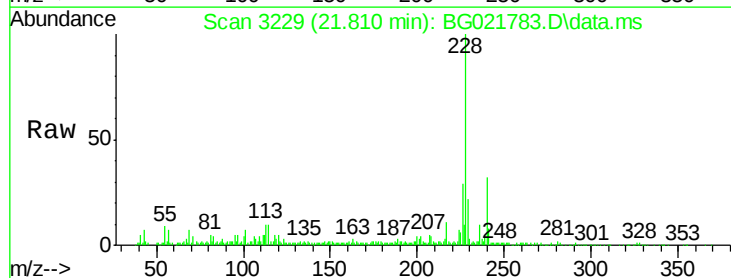
Instrument :
 BNA_G
 ClientSampleId :

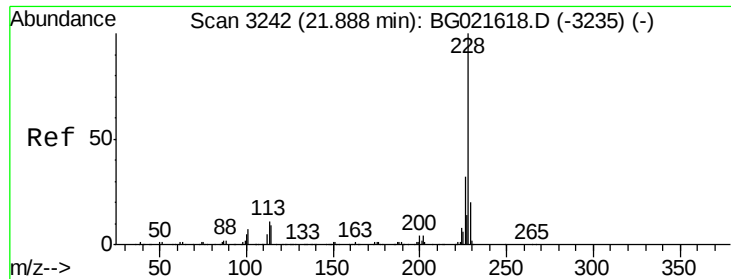
Tot Ion:244 Resp: 569120
 Ion Ratio Lower Upper
 244 100
 212 8.2 6.5 9.7
 122 9.7 8.6 12.8



#80
 Benzo(a)anthracene
 Concen: 8.30 ng
 RT: 21.810 min Scan# 3229
 Delta R.T. -0.007 min
 Lab File: BG021783.D
 Acq: 20 Apr 2016 13:45

Tgt Ion:228 Resp: 97547
 Ion Ratio Lower Upper
 228 100
 226 29.0 22.6 34.0
 229 21.8 16.1 24.1





#82

Chrysene

Concen: 8.65 ng

RT: 21.881 min Scan# 32

Delta R.T. -0.007 min

Lab File: BG021783.D

Acq: 20 Apr 2016 13:45

Instrument :

BNA_G

ClientSampleId :

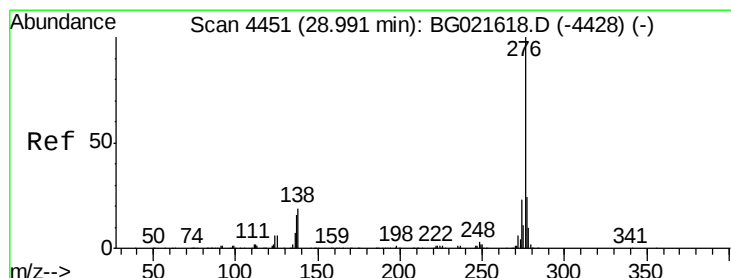
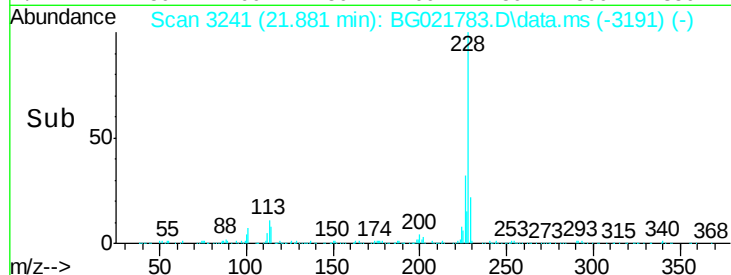
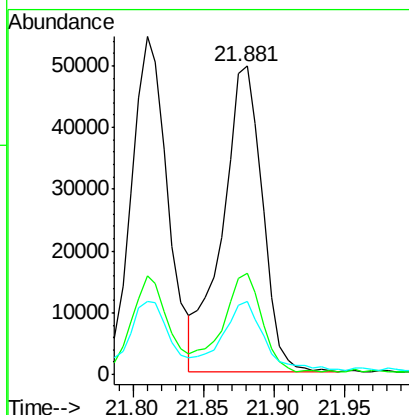
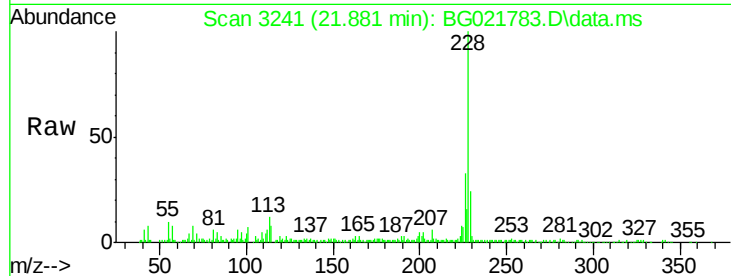
Tot Ion:228 Resp: 97679

Ion Ratio Lower Upper

228 100

226 32.8 25.4 38.0

229 23.8 15.9 23.9



#85

Indeno(1,2,3-cd)pyrene

Concen: 3.13 ng

RT: 28.996 min Scan# 4452

Delta R.T. 0.005 min

Lab File: BG021783.D

Acq: 20 Apr 2016 13:45

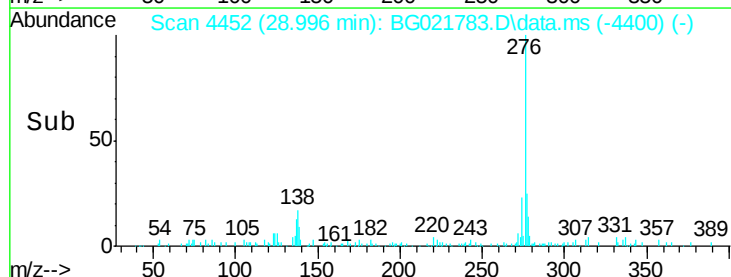
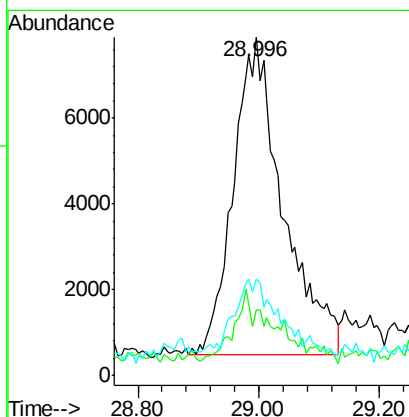
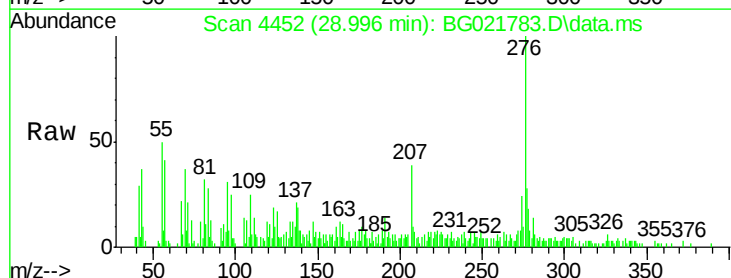
Tgt Ion:276 Resp: 41968

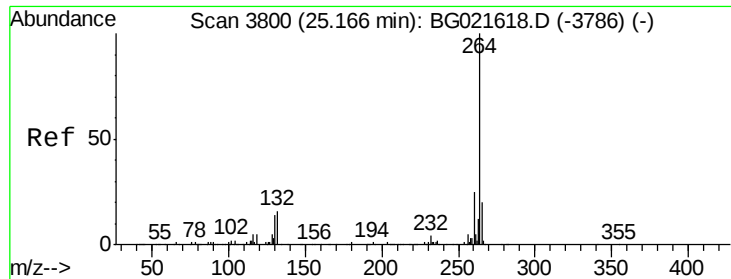
Ion Ratio Lower Upper

276 100

138 7.8 14.0 21.0#

277 17.1 20.6 30.8#

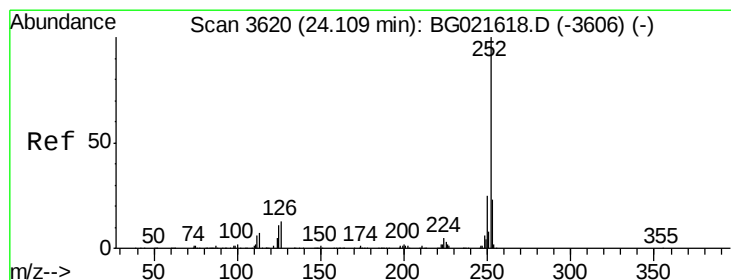
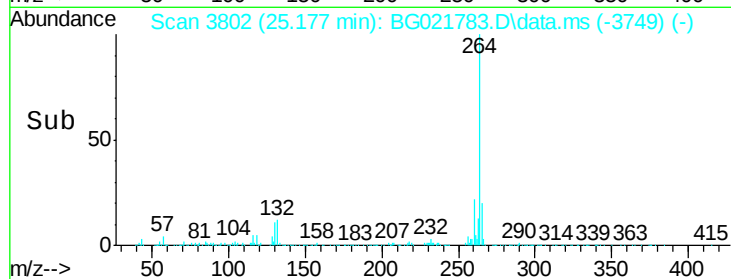
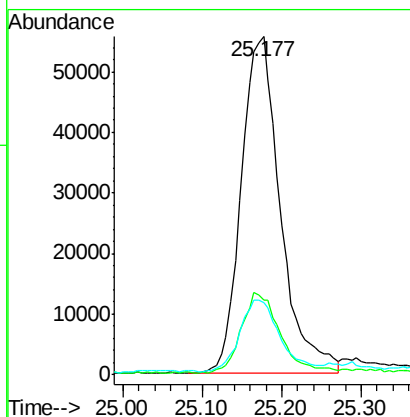
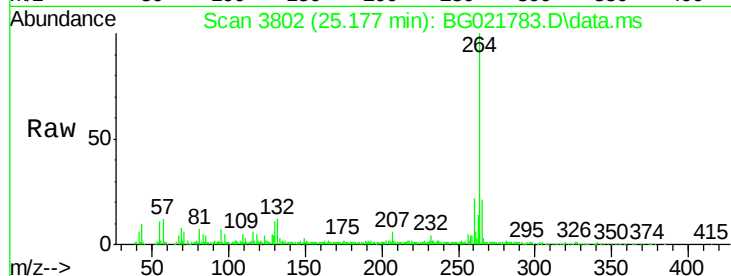




#86
Pervlene-d12
Concen: 20.00 ng
RT: 25.177 min Scan# 3800
Delta R.T. 0.010 min
Lab File: BG021783.D
Acq: 20 Apr 2016 13:45

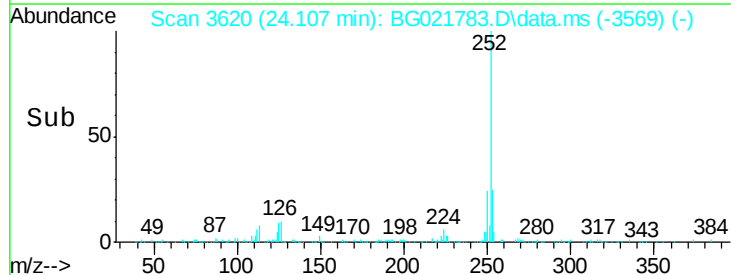
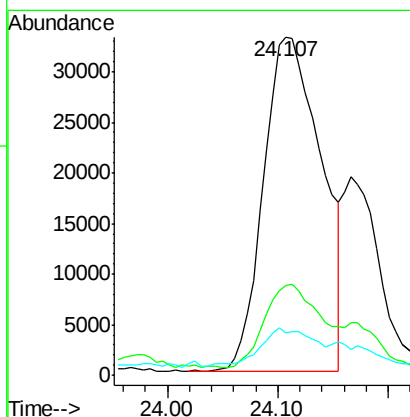
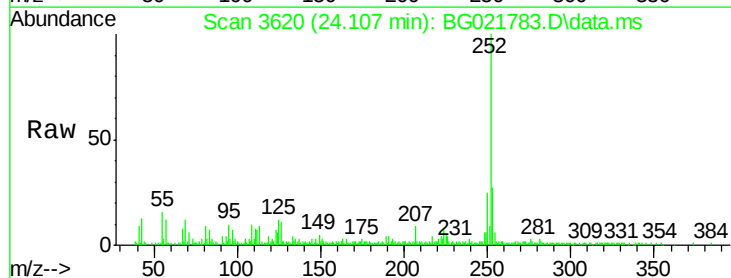
Instrument :
BNA_G
ClientSampleId :

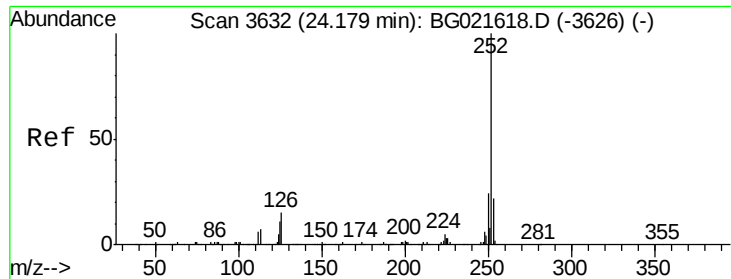
Tot Ion	Ratio	Lower	Upper
264	100		
260	22.0	20.2	30.4
265	21.4	17.8	26.8



#87
Benzo(b)fluoranthene
Concen: 10.90 ng
RT: 24.107 min Scan# 3620
Delta R.T. -0.001 min
Lab File: BG021783.D
Acq: 20 Apr 2016 13:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.7	17.5	26.3#
125	12.4	8.6	13.0





#88

Benzo(k)fluoranthene

Concen: 11.15 ng

RT: 24.107 min Scan# 3632

Delta R.T. -0.072 min

Lab File: BG021783.D

Acq: 20 Apr 2016 13:45

Instrument :

BNA_G

ClientSampleId :

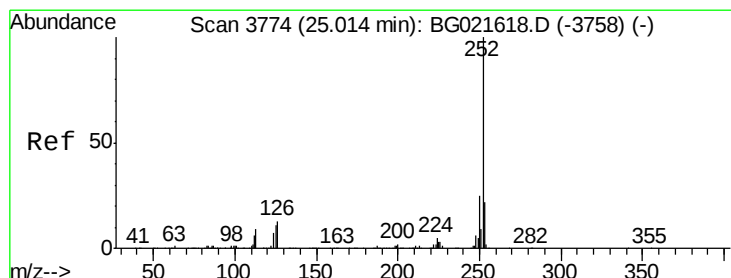
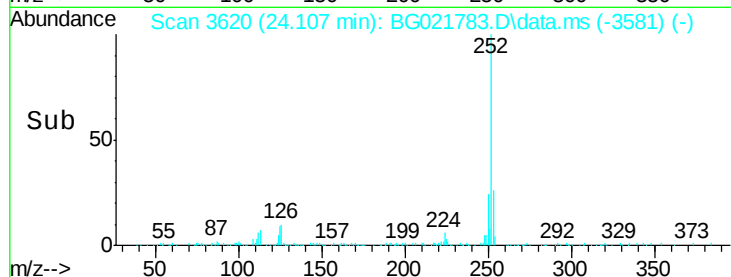
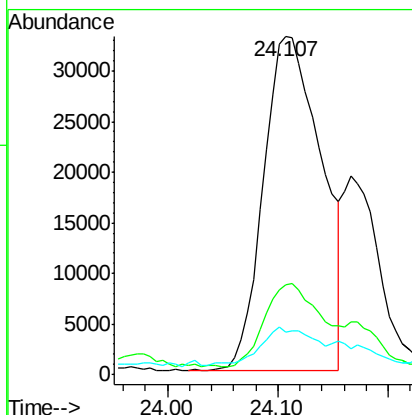
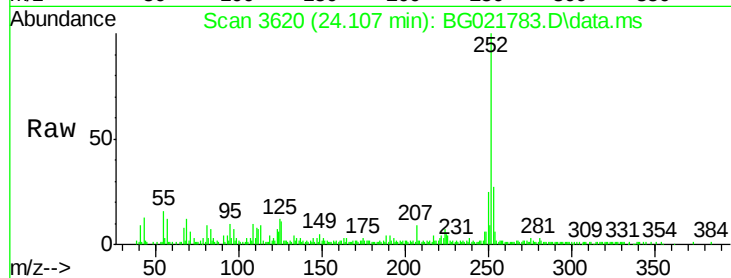
Tot Ion:252 Resp: 120592

Ion Ratio Lower Upper

252 100

253 26.7 17.8 26.8

125 12.4 8.3 12.5



#89

Benzo(a)pyrene

Concen: 7.89 ng

RT: 25.012 min Scan# 3774

Delta R.T. -0.001 min

Lab File: BG021783.D

Acq: 20 Apr 2016 13:45

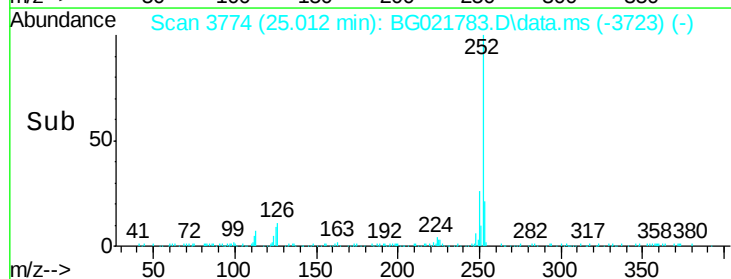
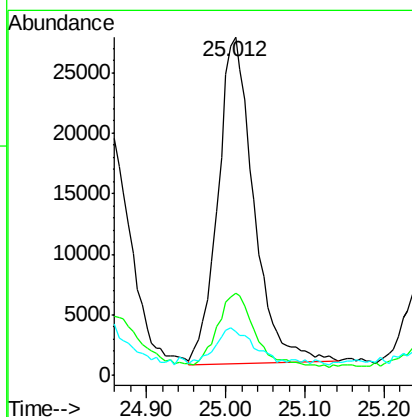
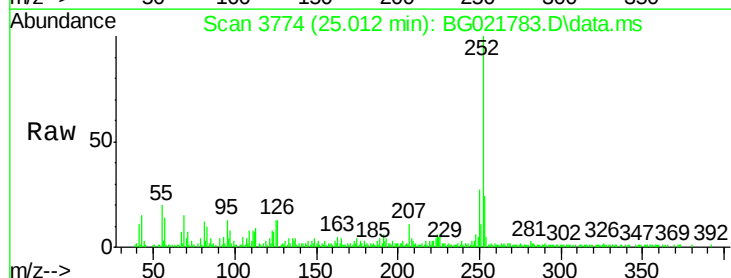
Tgt Ion:252 Resp: 84624

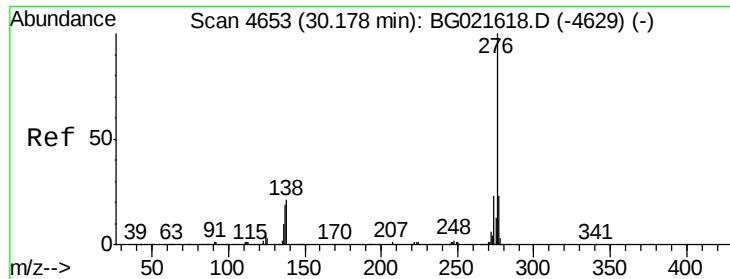
Ion Ratio Lower Upper

252 100

253 24.1 17.1 25.7

125 13.1 9.6 14.4





#91

Benzo(a,h,i)perylene

Concen: 3.42 ng

RT: 30.194 min Scan# 46

Delta R.T. 0.016 min

Lab File: BG021783.D

Acq: 20 Apr 2016 13:45

Instrument :

BNA_G

ClientSampleId :

Tot Ion:276 Resp: 36086

Ion Ratio Lower Upper

276 100

277 20.8 19.4 29.2

138 19.1 17.4 26.0

