

Data Path : Z:\HPCHEM1\BNA G\Data\BG042116\RAW\
 Data File : BG021779.D
 Acq On : 20 Apr 2016 11:08
 Operator : UM/SJ
 Sample : H2589-03
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 20 16:03:30 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)

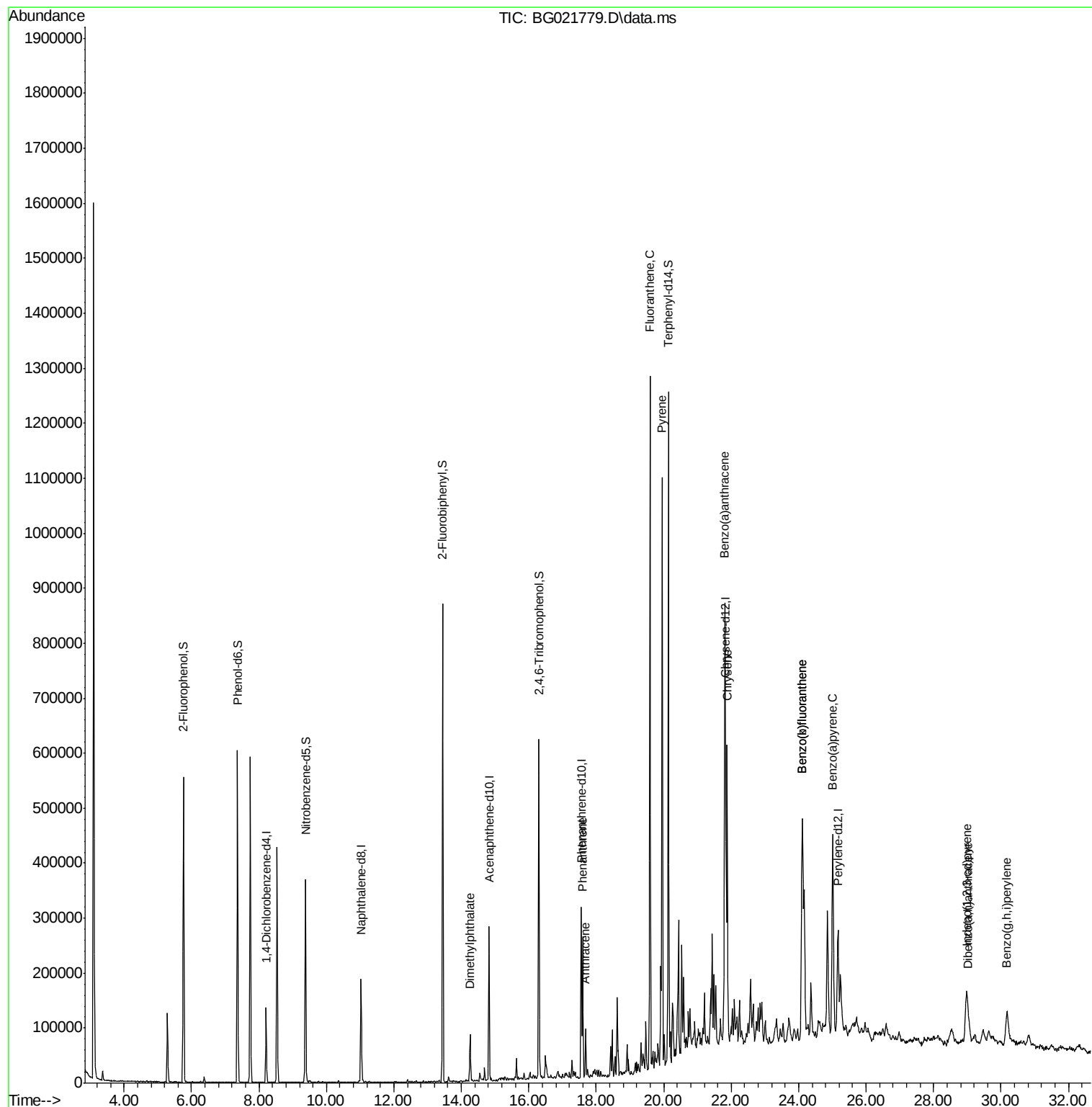
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.208	152	38357	20.00	ng	-0.01
21) Naphthalene-d8	11.029	136	164239	20.00	ng	0.00
38) Acenaphthene-d10	14.818	164	92545	20.00	ng	0.00
63) Phenanthrene-d10	17.556	188	192735	20.00	ng	0.00
75) Chrysene-d12	21.828	240	212698	20.00	ng	0.00
86) Perylene-d12	25.165	264	206617	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.758	112	253664	110.13	ng	0.00
7) Phenol-d6	7.362	99	366901	106.64	ng	0.00
23) Nitrobenzene-d5	9.378	82	231539	72.46	ng	0.00
41) 2,4,6-Tribromophenol	16.299	330	111989	112.28	ng	0.00
44) 2-Fluorobiphenyl	13.449	172	467580	74.03	ng	0.00
78) Terphenyl-d14	20.141	244	548322	64.32	ng	0.00
Target Compounds						
49) Dimethylphthalate	14.260	163	56541	7.07	ng	Qvalue # 98
70) Phenanthrene	17.597	178	159519	15.02	ng	99
71) Anthracene	17.686	178	54678	5.07	ng	98
74) Fluoranthene	19.595	202	791404	62.39	ng	98
77) Pyrene	19.953	202	692594	56.47	ng	99
80) Benzo(a)anthracene	21.810	228	486467	39.74	ng	97
82) Chrysene	21.881	228	390425	33.20	ng	97
85) Indeno(1,2,3-cd)pyrene	28.984	276	196852	14.08	ng	95
87) Benzo(b)fluoranthene	24.107	252	582890	48.62	ng	98
88) Benzo(k)fluoranthene	24.107	252	582890	49.72	ng	99
89) Benzo(a)pyrene	25.006	252	423493	36.46	ng	96
90) Dibenzo(a,h)anthracene	29.031	278	52311	4.49	ng	# 86
91) Benzo(g,h,i)perylene	30.177	276	163334	14.29	ng	97

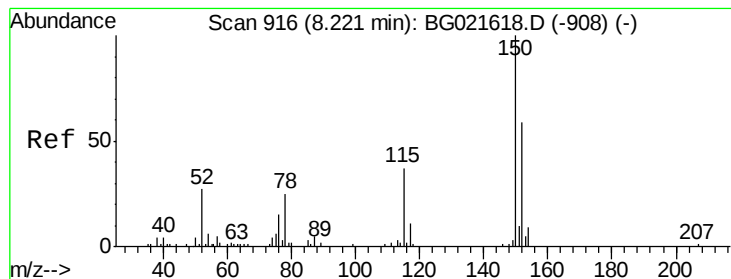
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.208 min Scan# 91

Delta R.T. -0.013 min

Lab File: BG021779.D

Acq: 20 Apr 2016 11:08

Instrument :

BNA_G

ClientSampleId :

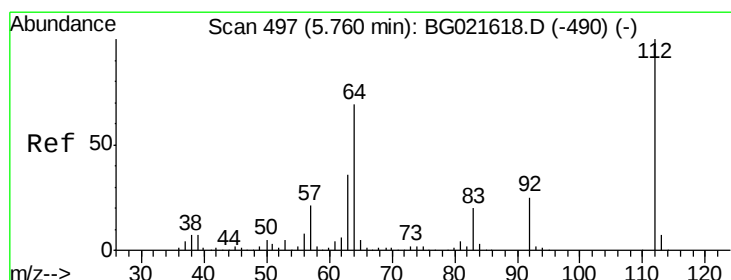
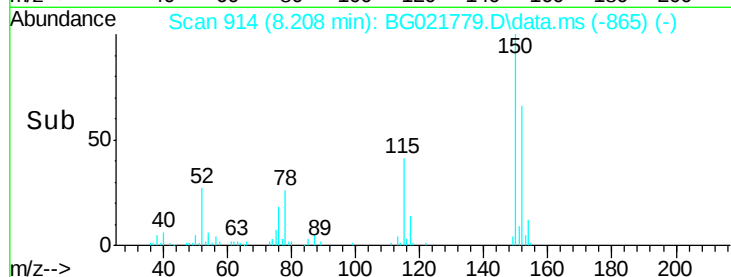
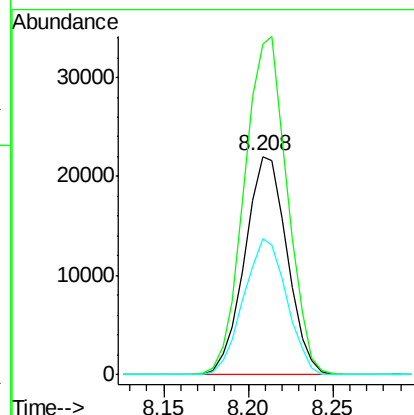
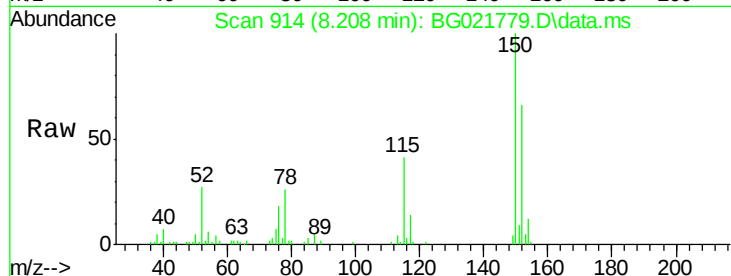
Tot Ion:152 Resp: 38357

Ion Ratio Lower Upper

152 100

150 151.6 130.1 195.1

115 62.3 62.2 93.2



#5

2-Fluorophenol

Concen: 110.13 ng

RT: 5.758 min Scan# 497

Delta R.T. -0.001 min

Lab File: BG021779.D

Acq: 20 Apr 2016 11:08

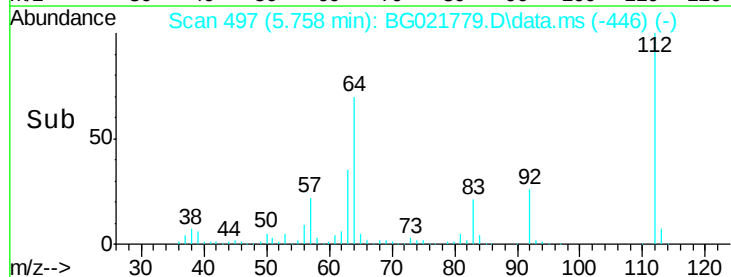
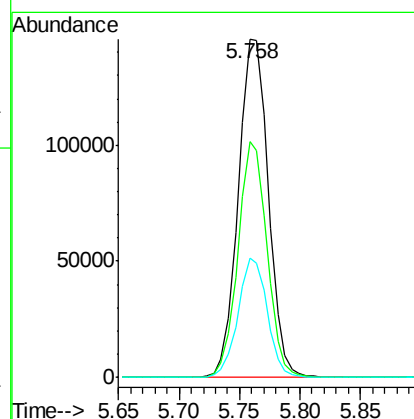
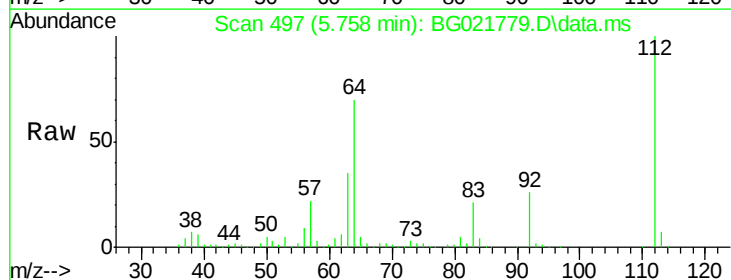
Tgt Ion:112 Resp: 253664

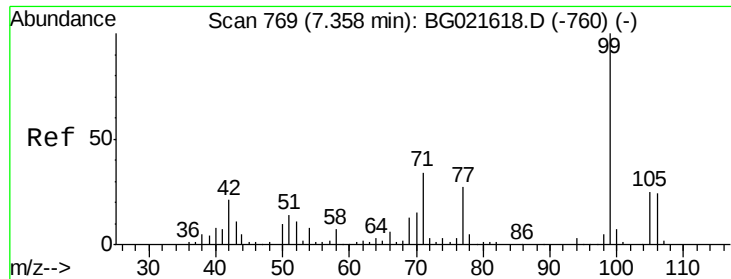
Ion Ratio Lower Upper

112 100

64 69.7 51.1 76.7

63 35.3 24.6 37.0





#7

Phenol-d6

Concen: 106.64 ng

RT: 7.362 min Scan# 77

Delta R.T. 0.005 min

Lab File: BG021779.D

Acq: 20 Apr 2016 11:08

Instrument :

BNA_G

ClientSampleId :

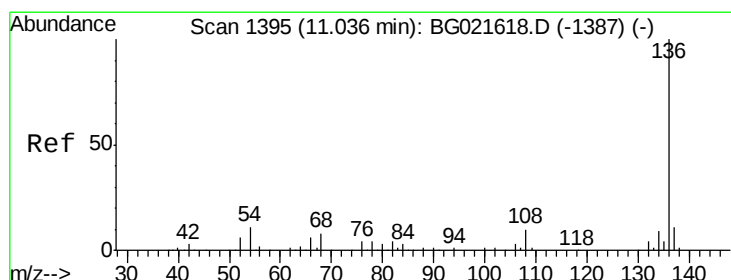
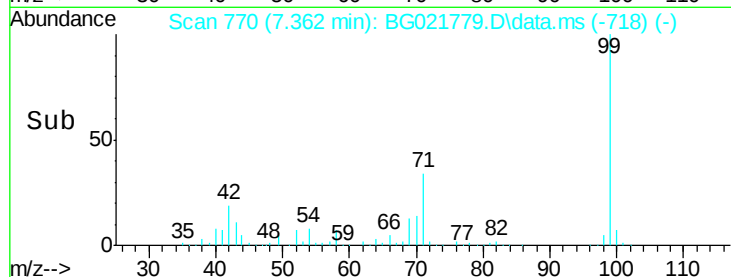
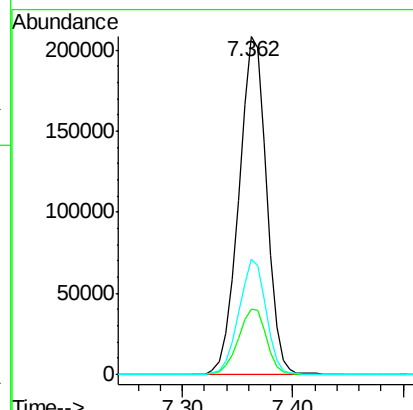
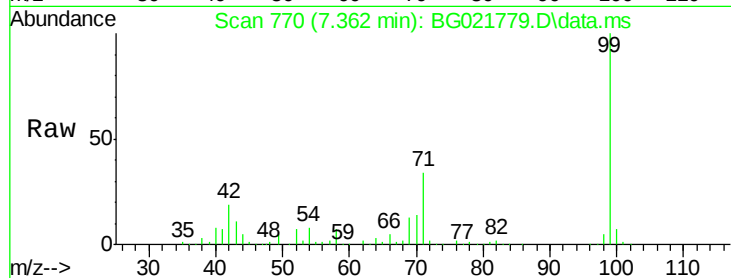
Tot Ion: 99 Resp: 366901

Ion Ratio Lower Upper

99 100

42 19.5 16.4 24.6

71 34.3 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: BG021779.D

Acq: 20 Apr 2016 11:08

Tgt Ion: 136 Resp: 164239

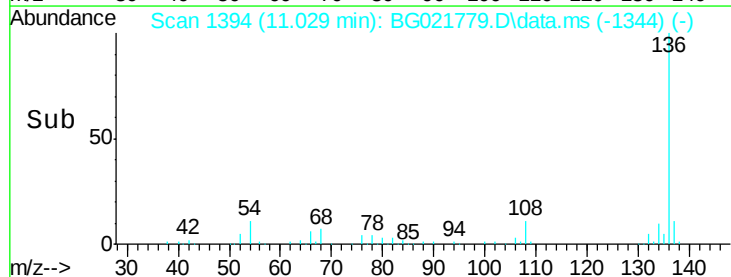
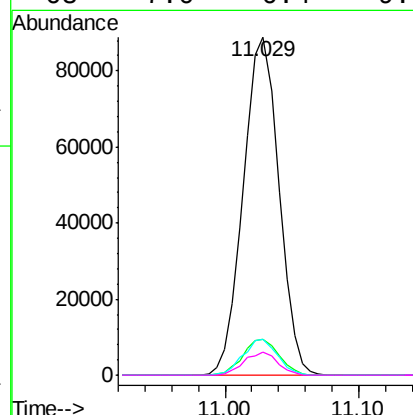
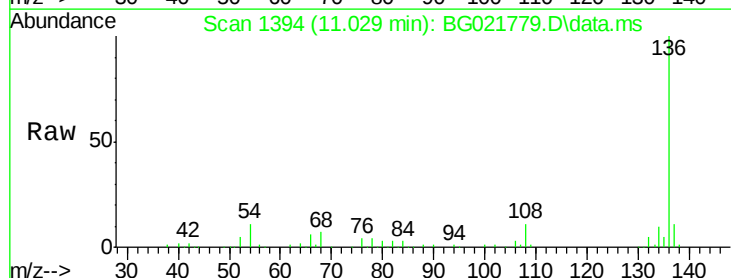
Ion Ratio Lower Upper

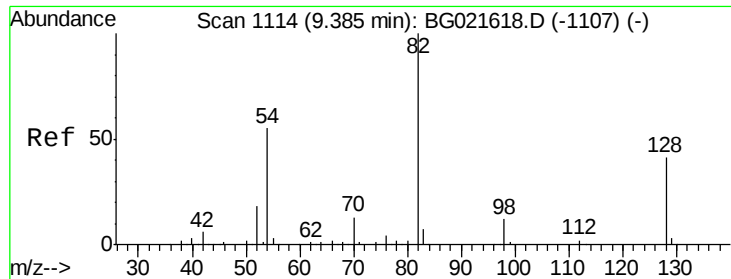
136 100

137 10.6 9.0 13.4

54 10.8 9.6 14.4

68 7.0 6.4 9.6

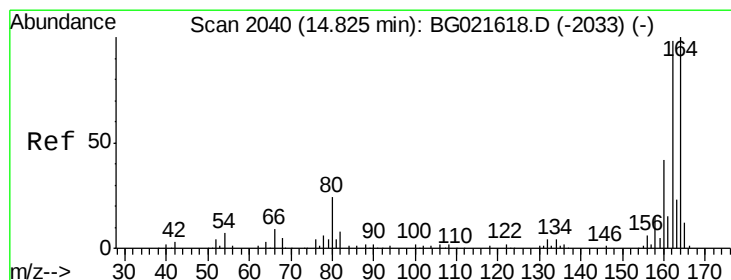
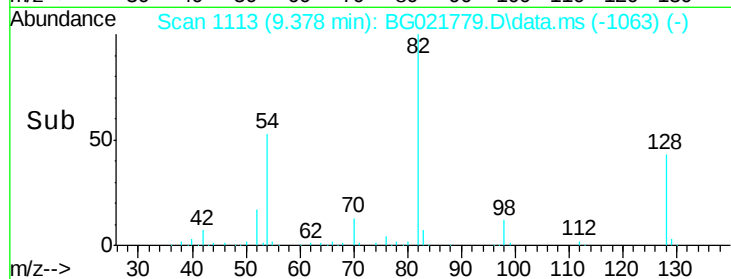
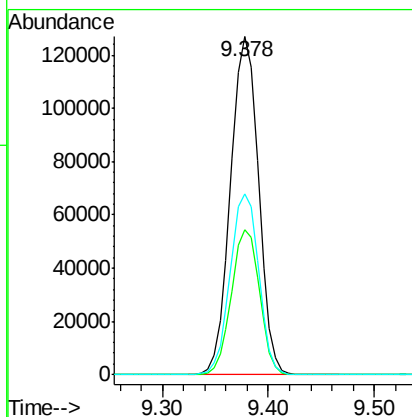
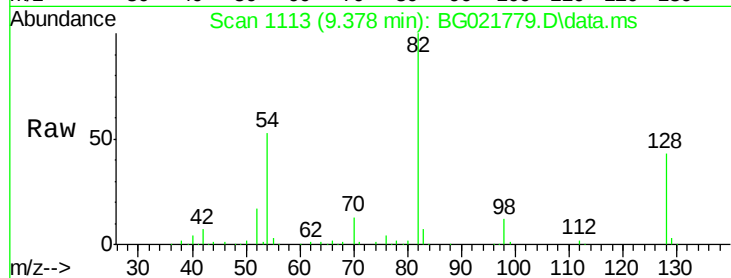




#23
 Nitrobenzene-d5
 Concen: 72.46 ng
 RT: 9.378 min Scan# 1114
 Delta R.T. -0.007 min
 Lab File: BG021779.D
 Acq: 20 Apr 2016 11:08

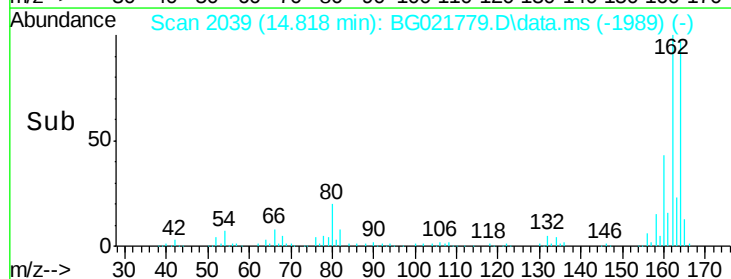
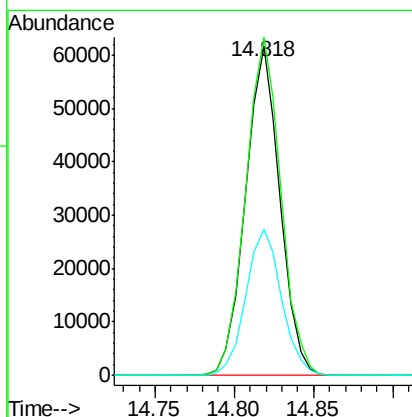
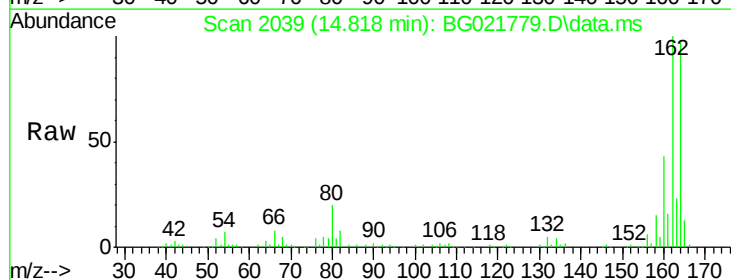
Instrument :
 BNA_G
 ClientSampleId :

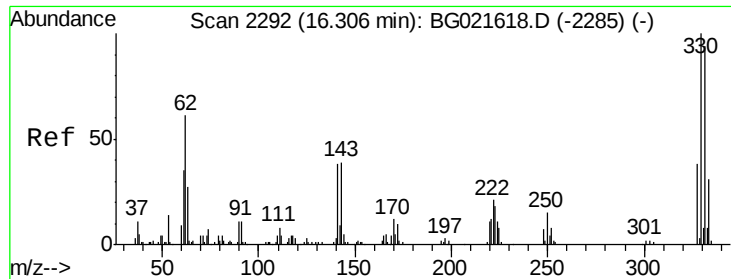
Tot Ion	82	Resp	231539
Ion Ratio	100	Lower	Upper
128	42.8	33.4	50.0
54	53.3	46.1	69.1



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.818 min Scan# 2039
 Delta R.T. -0.007 min
 Lab File: BG021779.D
 Acq: 20 Apr 2016 11:08

Tgt Ion	164	Resp	92545
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
162	102.6	78.0	117.0
160	44.2	32.9	49.3

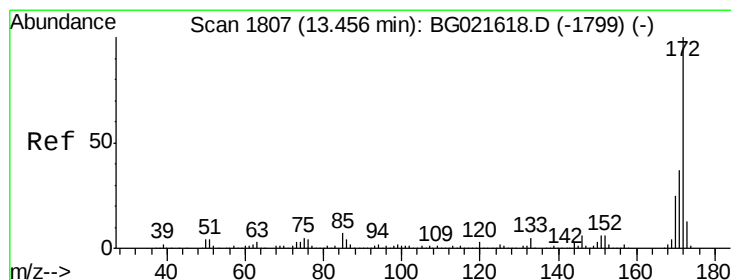
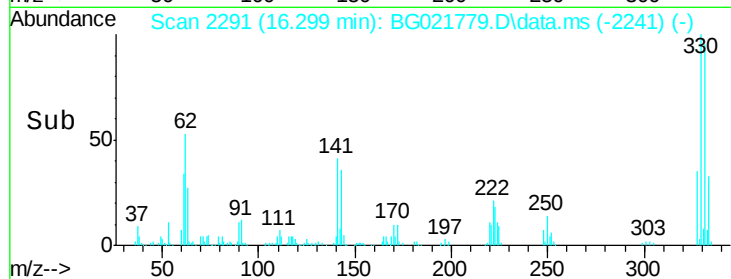
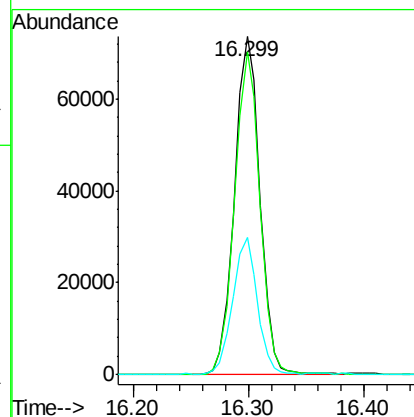
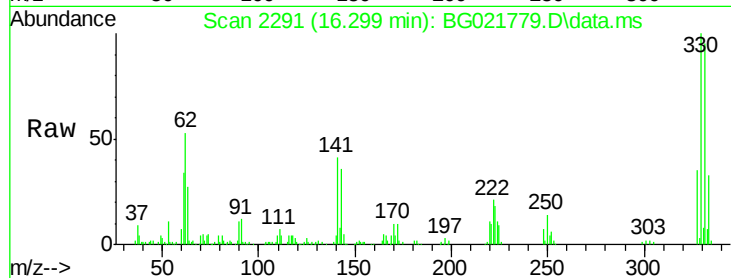




#41
 2,4,6-Tribromophenol
 Concen: 112.28 ng
 RT: 16.299 min Scan# 22
 Delta R.T. -0.007 min
 Lab File: BG021779.D
 Acq: 20 Apr 2016 11:08

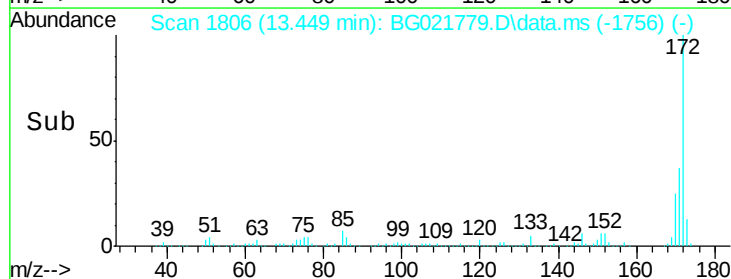
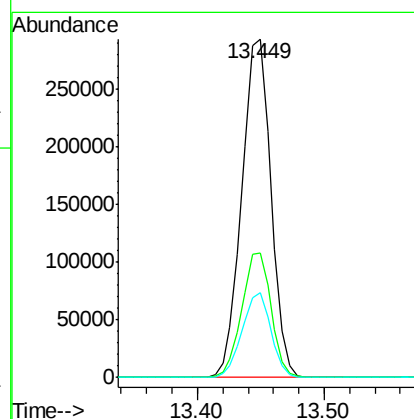
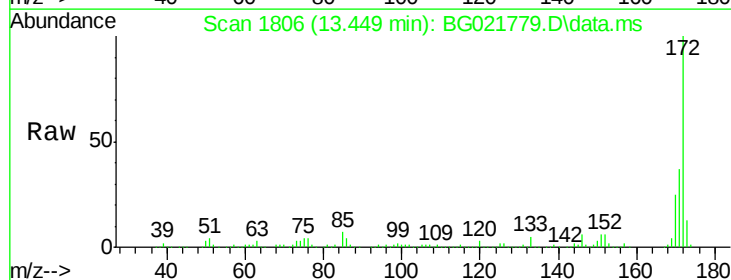
Instrument :
 BNA_G
 ClientSampleId :

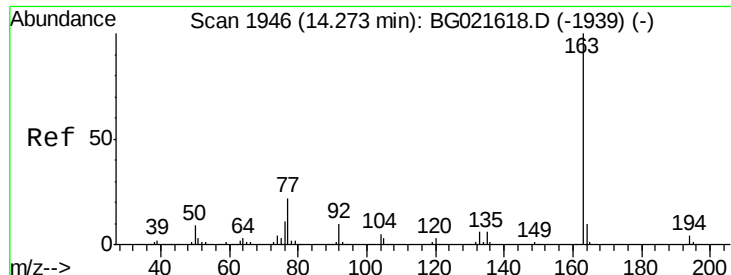
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.1	78.0	117.0
141	39.4	33.8	50.8



#44
 2-Fluorobiphenyl
 Concen: 74.03 ng
 RT: 13.449 min Scan# 1806
 Delta R.T. -0.007 min
 Lab File: BG021779.D
 Acq: 20 Apr 2016 11:08

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.8	27.8	41.6
170	24.9	19.6	29.4





#49

Dimethylphthalate

Concen: 7.07 ng

RT: 14.260 min Scan# 19

Delta R.T. -0.013 min

Lab File: BG021779.D

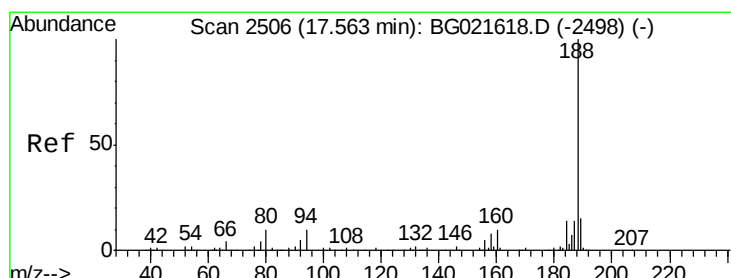
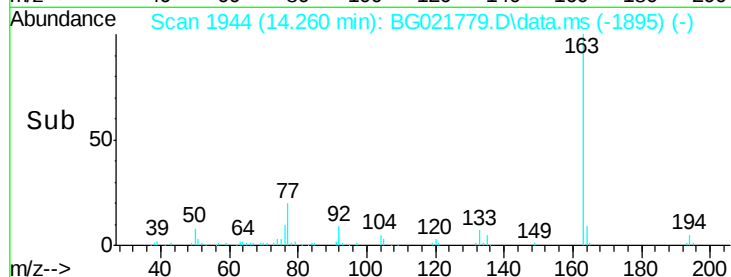
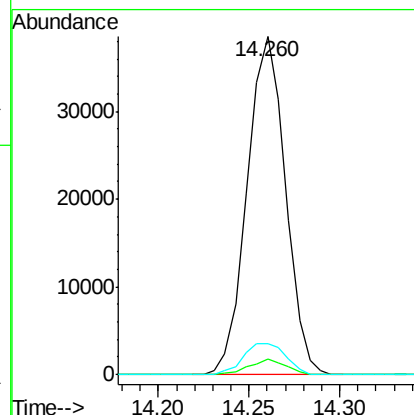
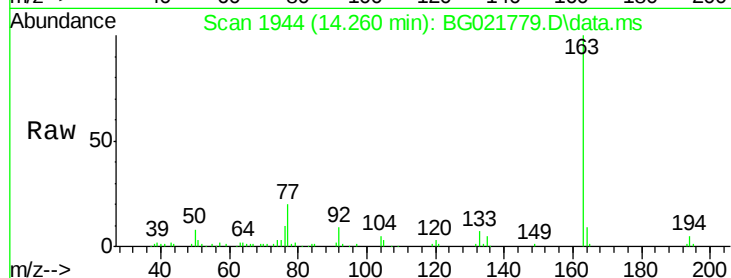
Acq: 20 Apr 2016 11:08

Instrument :

BNA_G

ClientSampleId :

Tot Ion:163	Resp:	56541
Ion Ratio	Lower	Upper
163	100	
194	4.6	3.0 4.6#
164	9.3	8.1 12.1



#63

Phenanthrene-d10

Concen: 20.00 ng

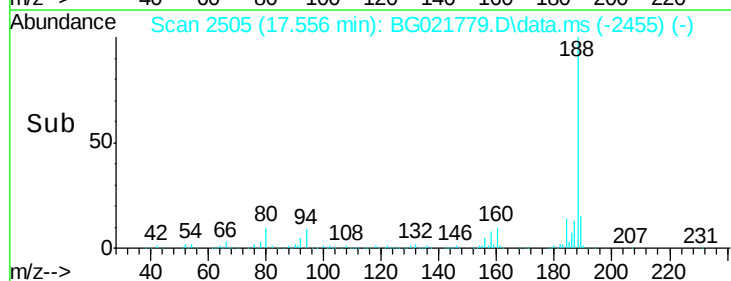
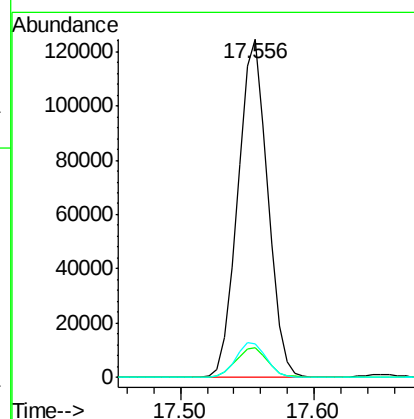
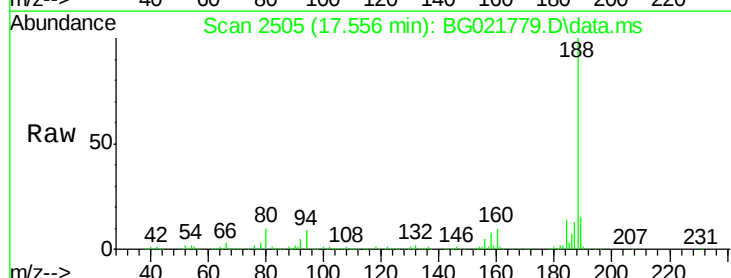
RT: 17.556 min Scan# 2505

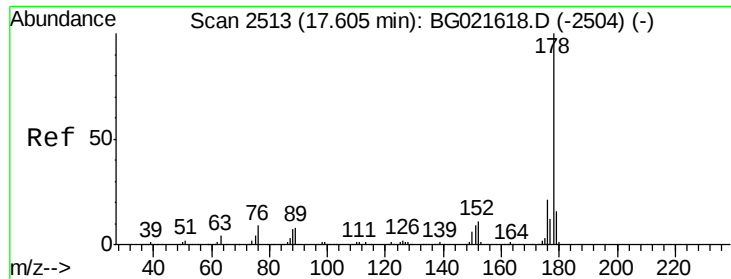
Delta R.T. -0.007 min

Lab File: BG021779.D

Acq: 20 Apr 2016 11:08

Tgt Ion:188	Resp:	192735
Ion Ratio	Lower	Upper
188	100	
94	8.7	7.5 11.3
80	9.9	8.6 13.0





#70

Phenanthrene

Concen: 15.02 ng

RT: 17.597 min Scan# 2513

Delta R.T. -0.007 min

Lab File: BG021779.D

Acq: 20 Apr 2016 11:08

Instrument :

BNA_G

ClientSampleId :

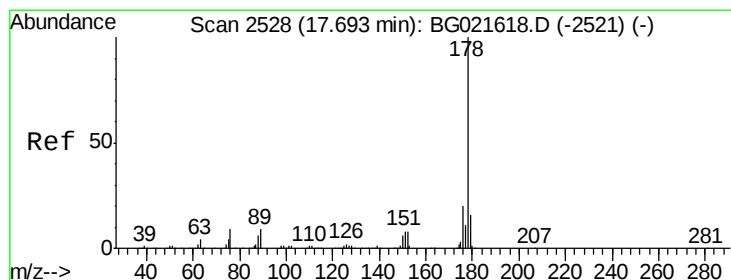
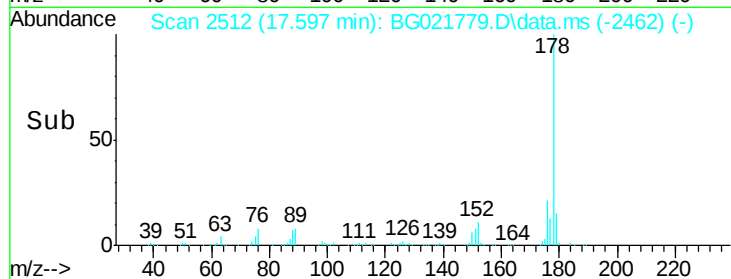
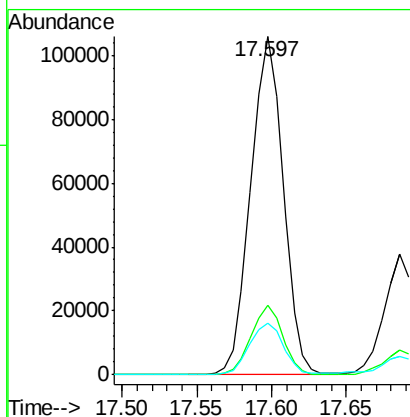
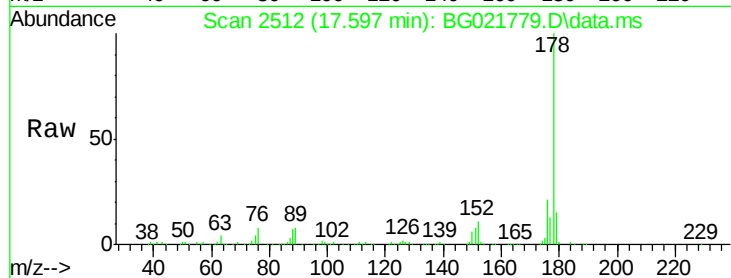
Tot Ion:178 Resp: 159519

Ion Ratio Lower Upper

178 100

176 20.6 16.2 24.4

179 15.3 12.0 18.0



#71

Anthracene

Concen: 5.07 ng

RT: 17.686 min Scan# 2527

Delta R.T. -0.007 min

Lab File: BG021779.D

Acq: 20 Apr 2016 11:08

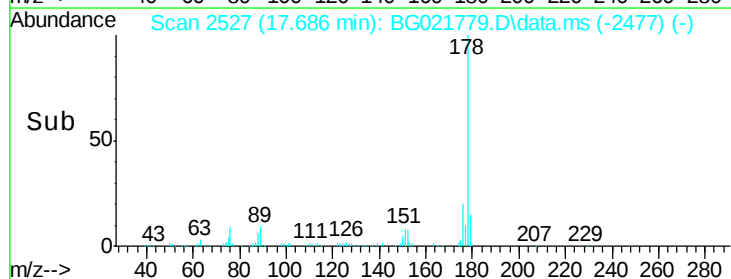
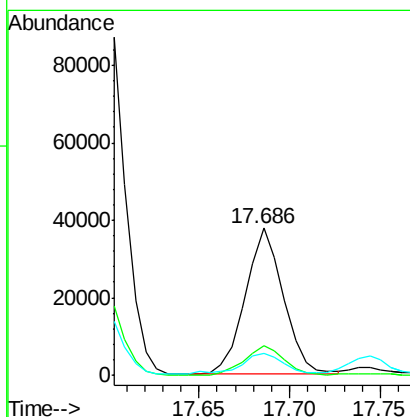
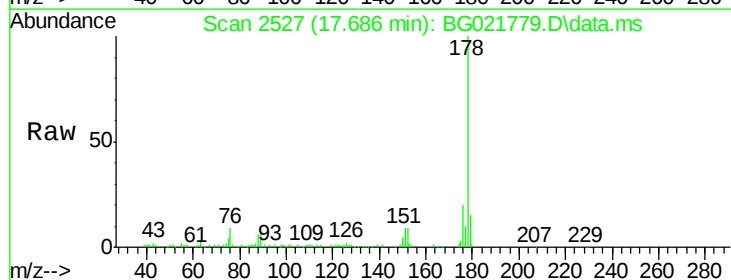
Tgt Ion:178 Resp: 54678

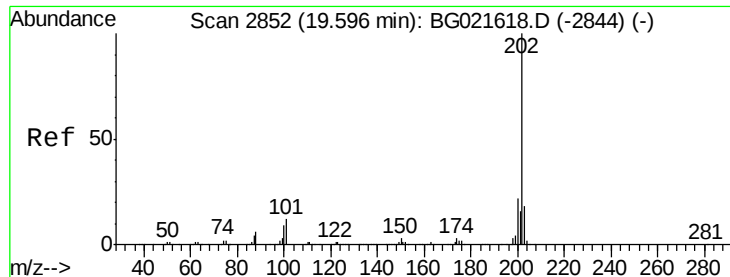
Ion Ratio Lower Upper

178 100

176 20.5 15.0 22.4

179 15.3 12.2 18.4





#74

Fluoranthene

Concen: 62.39 ng

RT: 19.595 min Scan# 28

Delta R.T. -0.001 min

Lab File: BG021779.D

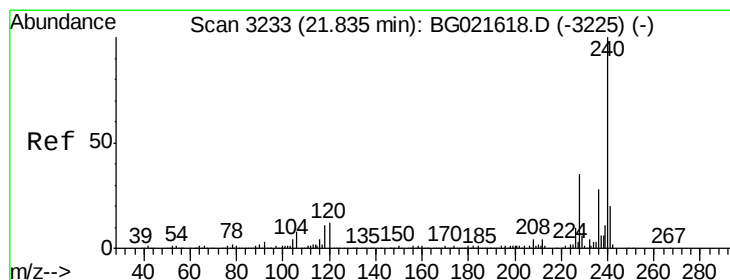
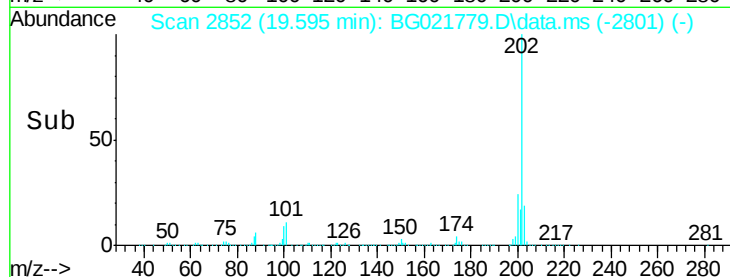
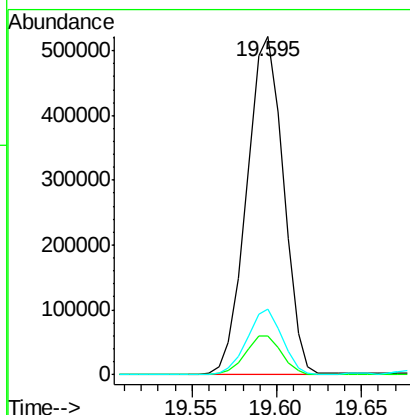
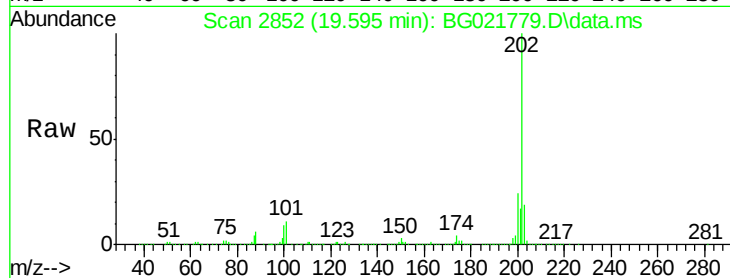
Acq: 20 Apr 2016 11:08

Instrument :

BNA_G

ClientSampleId :

Tot Ion:	202	Resp:	791404
Ion Ratio	Lower	Upper	
202	100		
101	11.5	0.0	31.0
203	19.3	0.0	37.9



#75

Chrysene-d12

Concen: 20.00 ng

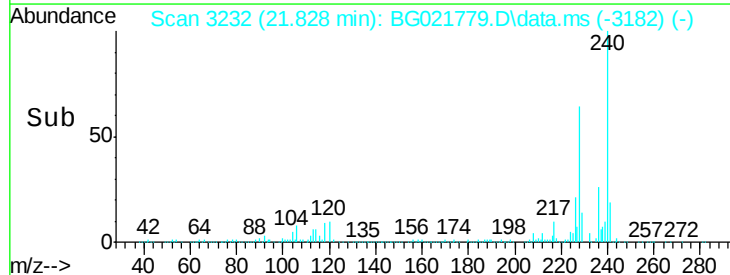
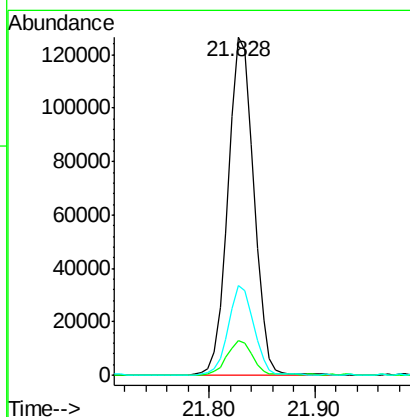
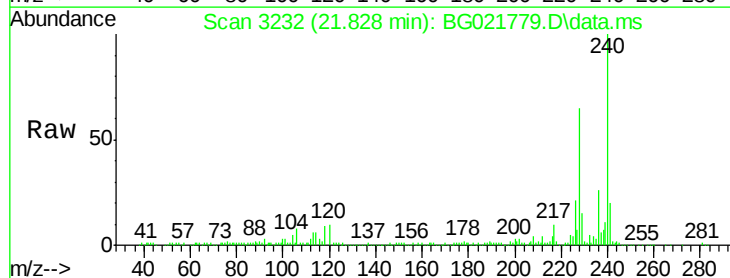
RT: 21.828 min Scan# 3232

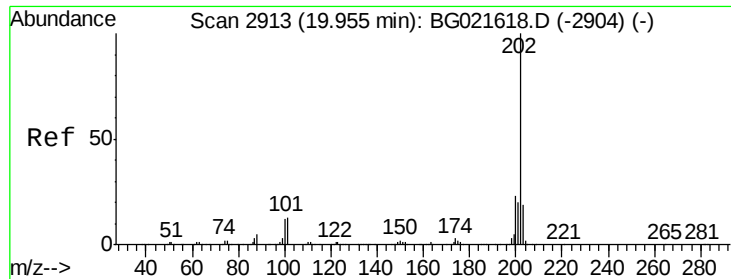
Delta R.T. -0.007 min

Lab File: BG021779.D

Acq: 20 Apr 2016 11:08

Tgt Ion:	240	Resp:	212698
Ion Ratio	Lower	Upper	
240	100		
120	10.4	8.4	12.6
236	26.4	19.6	29.4

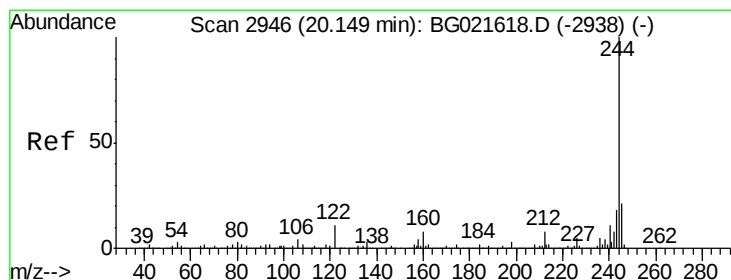
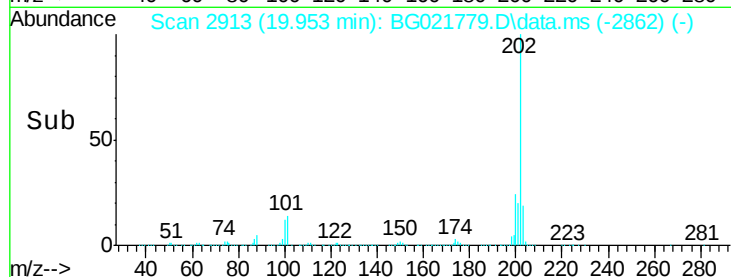
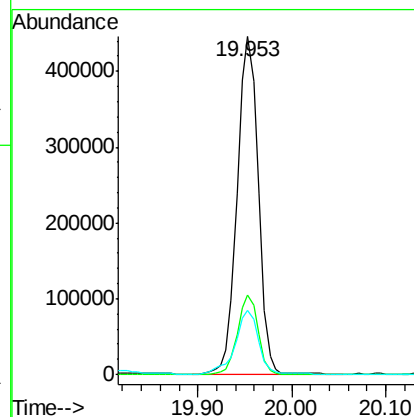
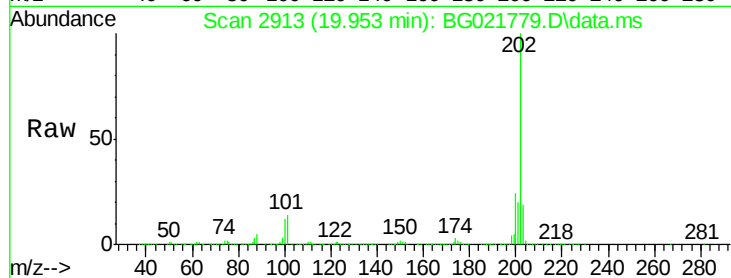




#77
Pvrene
Concen: 56.47 ng
RT: 19.953 min Scan# 2913
Delta R.T. -0.001 min
Lab File: BG021779.D
Acq: 20 Apr 2016 11:08

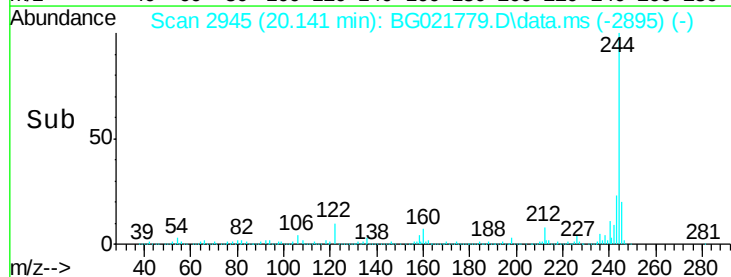
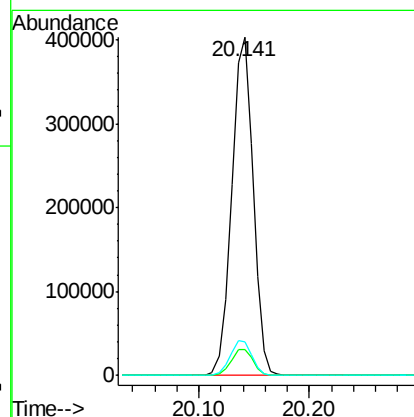
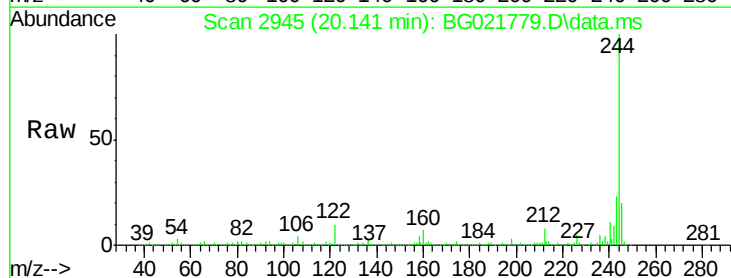
Instrument :
BNA_G
ClientSampleId :

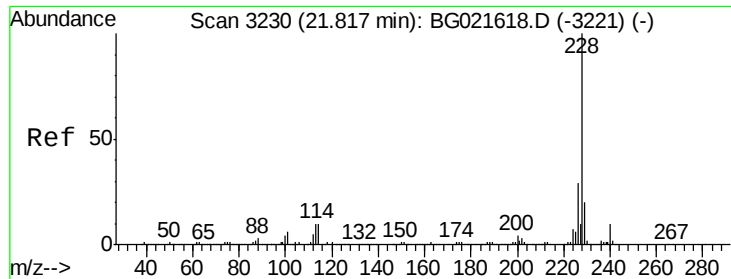
Tot Ion:	202	Resp:	692594
Ion Ratio	Lower	Upper	
202	100		
200	23.6	18.2	27.2
203	19.0	15.0	22.4



#78
Terphenyl-d14
Concen: 64.32 ng
RT: 20.141 min Scan# 2945
Delta R.T. -0.007 min
Lab File: BG021779.D
Acq: 20 Apr 2016 11:08

Tgt Ion:	244	Resp:	548322
Ion Ratio	Lower	Upper	
244	100		
212	7.7	6.5	9.7
122	9.8	8.6	12.8





#80

Benzo(a)anthracene

Concen: 39.74 ng

RT: 21.810 min Scan# 32

Delta R.T. -0.007 min

Lab File: BG021779.D

Acq: 20 Apr 2016 11:08

Instrument :

BNA_G

ClientSampleId :

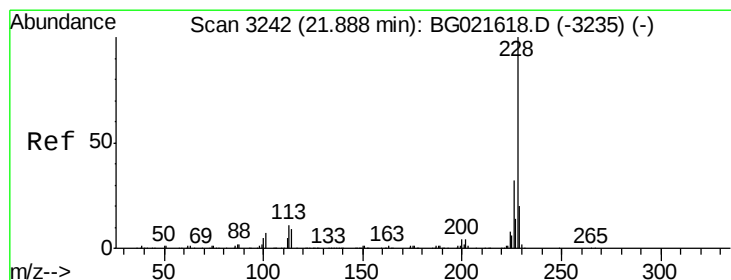
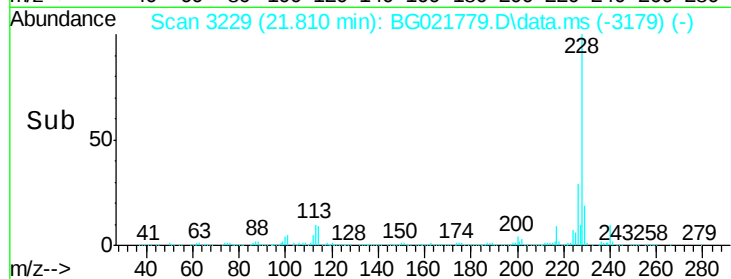
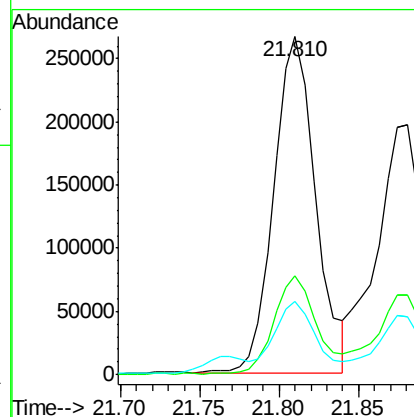
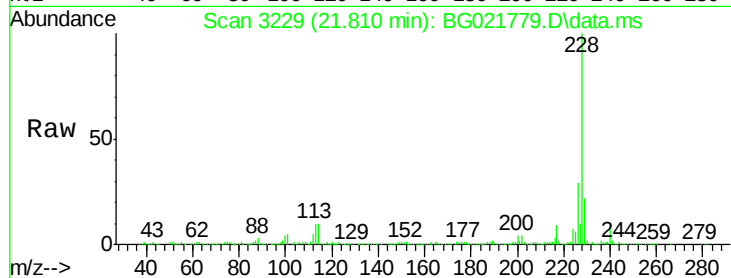
Tot Ion:228 Resp: 486467

Ion Ratio Lower Upper

228 100

226 29.3 22.6 34.0

229 21.7 16.1 24.1



#82

Chrysene

Concen: 33.20 ng

RT: 21.881 min Scan# 3241

Delta R.T. -0.007 min

Lab File: BG021779.D

Acq: 20 Apr 2016 11:08

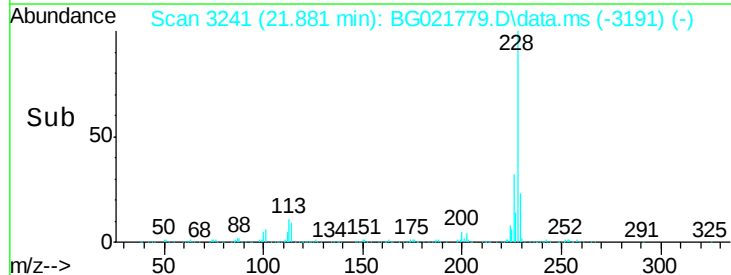
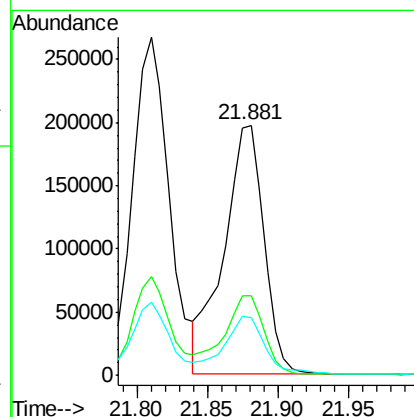
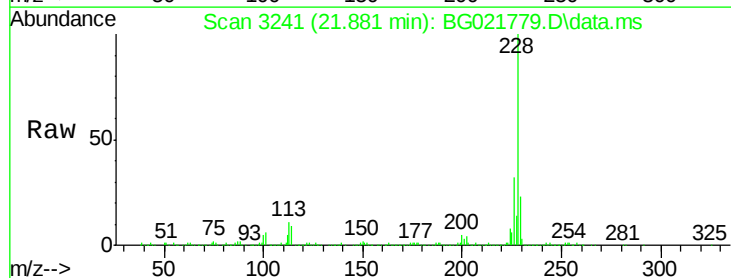
Tgt Ion:228 Resp: 390425

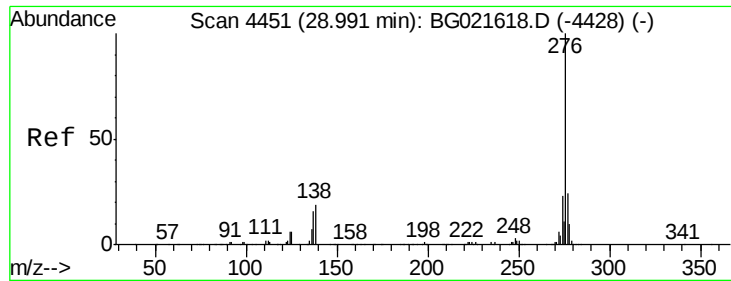
Ion Ratio Lower Upper

228 100

226 31.7 25.4 38.0

229 23.0 15.9 23.9

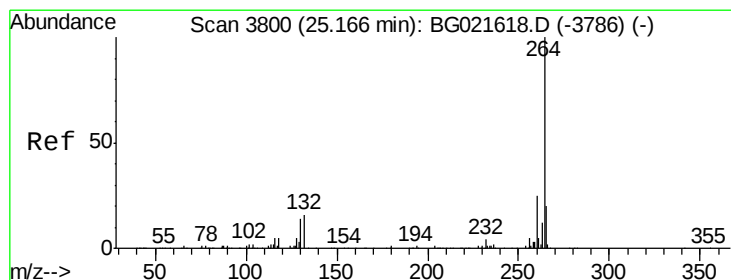
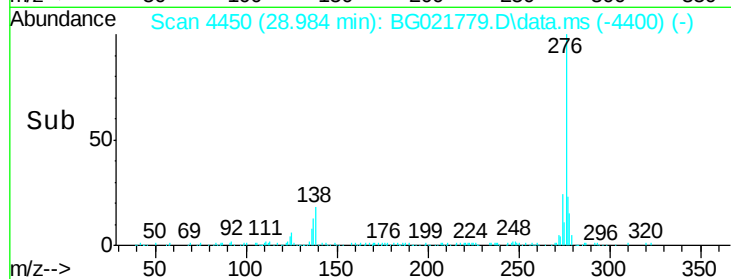
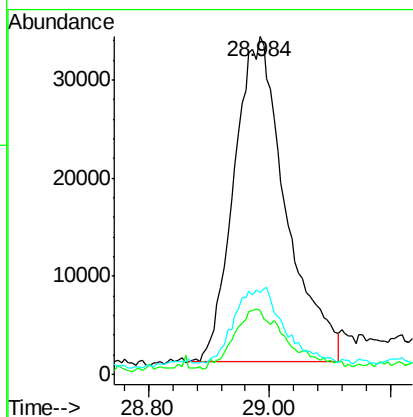
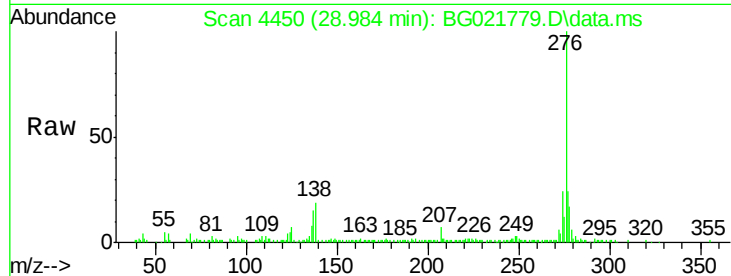




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 14.08 ng
 RT: 28.984 min Scan# 4451
 Delta R.T. -0.007 min
 Lab File: BG021779.D
 Acq: 20 Apr 2016 11:08

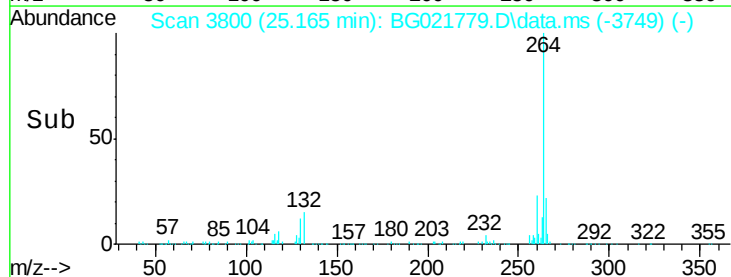
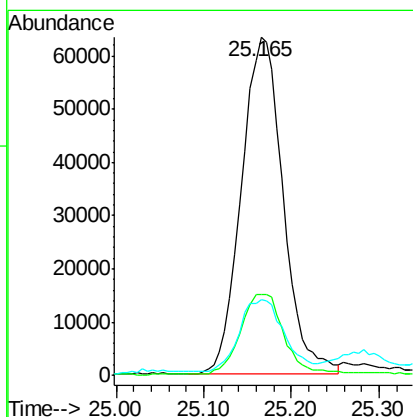
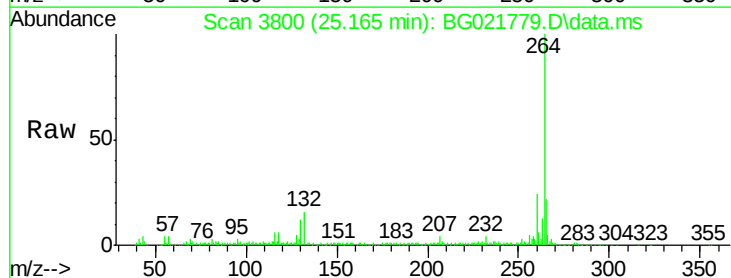
Instrument :
 BNA_G
 ClientSampleId :

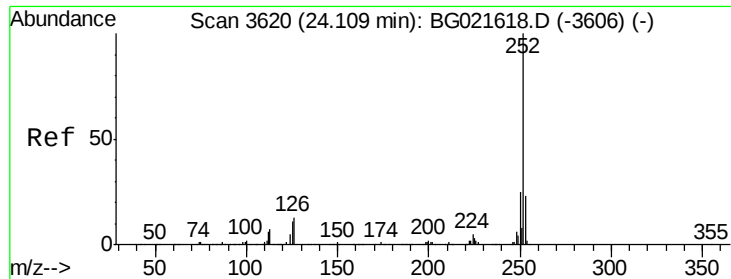
Tot Ion	Ratio	Lower	Upper
276	100		
138	19.1	14.0	21.0
277	22.7	20.6	30.8



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 25.165 min Scan# 3800
 Delta R.T. -0.001 min
 Lab File: BG021779.D
 Acq: 20 Apr 2016 11:08

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	20.2	30.4
265	22.4	17.8	26.8

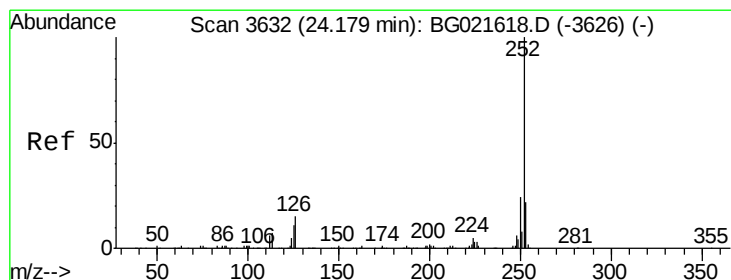
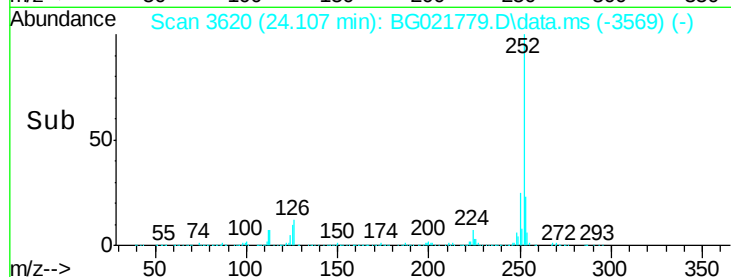
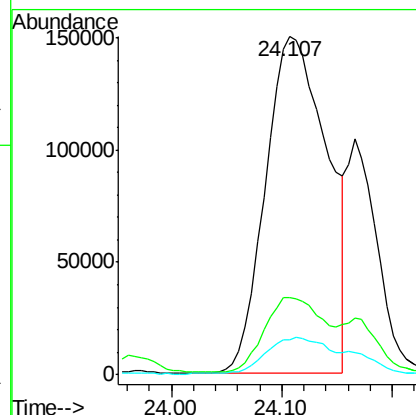
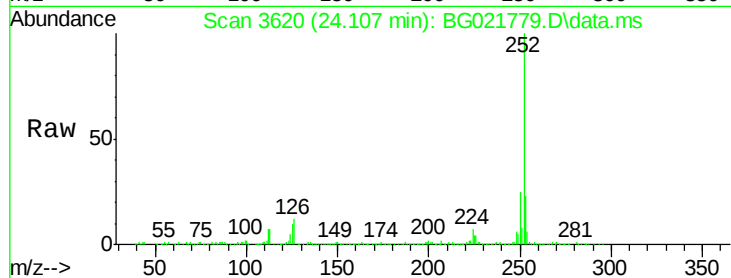




#87
Benzo(b)fluoranthene
Concen: 48.62 ng
RT: 24.107 min Scan# 3620
Delta R.T. -0.001 min
Lab File: BG021779.D
Acq: 20 Apr 2016 11:08

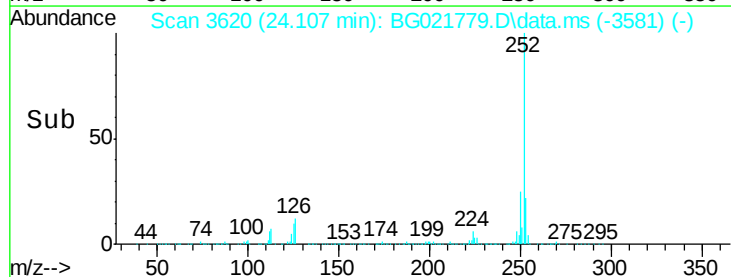
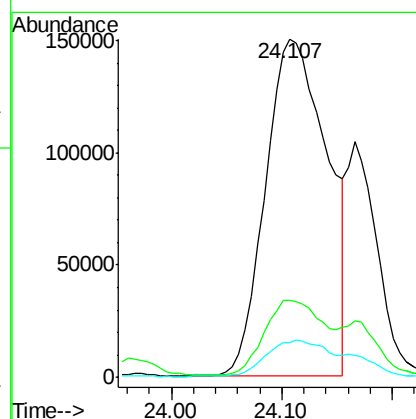
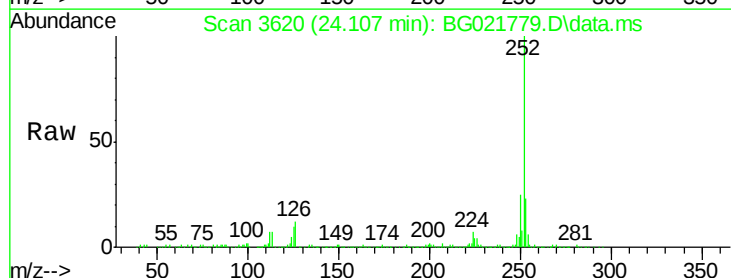
Instrument :
BNA_G
ClientSampleId :

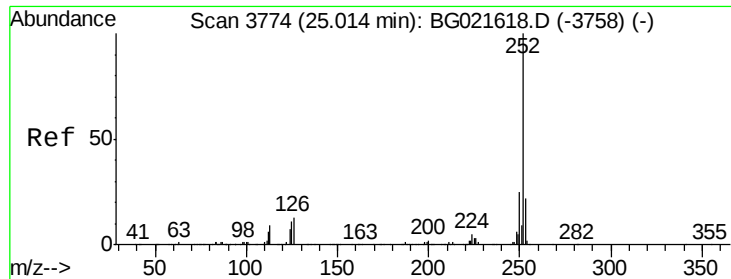
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.5	26.3
125	10.5	8.6	13.0



#88
Benzo(k)fluoranthene
Concen: 49.72 ng
RT: 24.107 min Scan# 3620
Delta R.T. -0.072 min
Lab File: BG021779.D
Acq: 20 Apr 2016 11:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.8	26.8
125	10.5	8.3	12.5





#89

Benzo(a)pyrene

Concen: 36.46 ng

RT: 25.006 min Scan# 37

Delta R.T. -0.007 min

Lab File: BG021779.D

Acq: 20 Apr 2016 11:08

Instrument :

BNA_G

ClientSampleId :

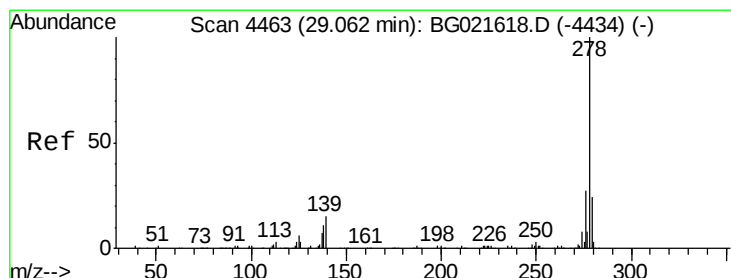
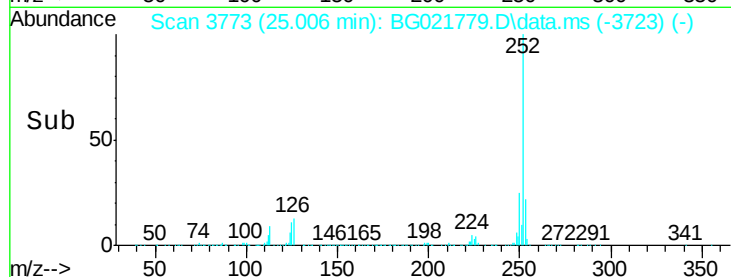
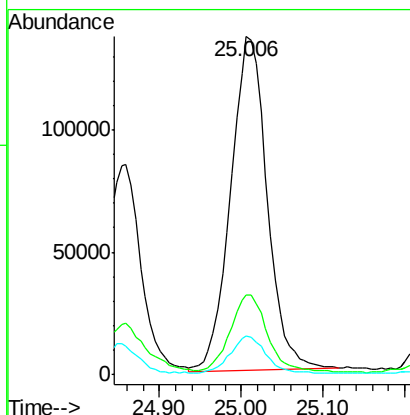
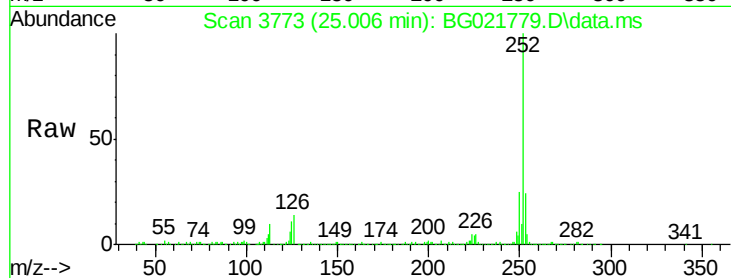
Tot Ion:252 Resp: 423493

Ion Ratio Lower Upper

252 100

253 23.5 17.1 25.7

125 11.3 9.6 14.4



#90

Dibenzo(a,h)anthracene

Concen: 4.49 ng

RT: 29.031 min Scan# 4458

Delta R.T. -0.031 min

Lab File: BG021779.D

Acq: 20 Apr 2016 11:08

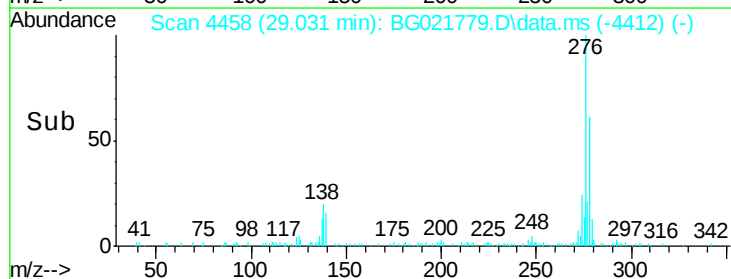
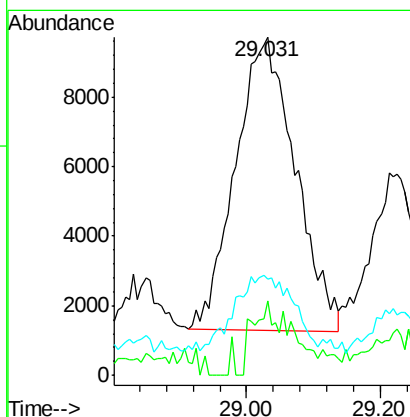
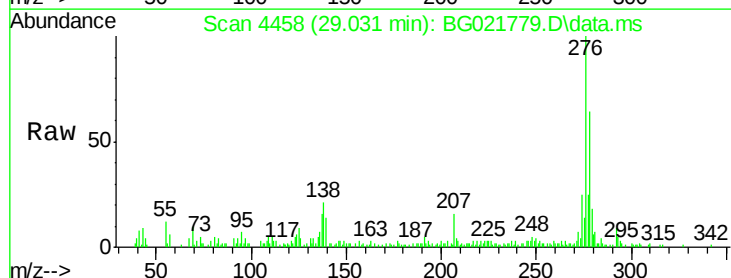
Tgt Ion:278 Resp: 52311

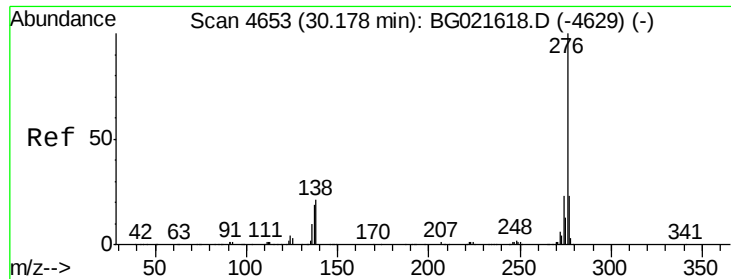
Ion Ratio Lower Upper

278 100

139 21.8 11.9 17.9#

279 28.4 18.2 27.2#





#91

Benzo(a,h,i)perylene

Concen: 14.29 ng

RT: 30.177 min Scan# 46

Delta R.T. -0.001 min

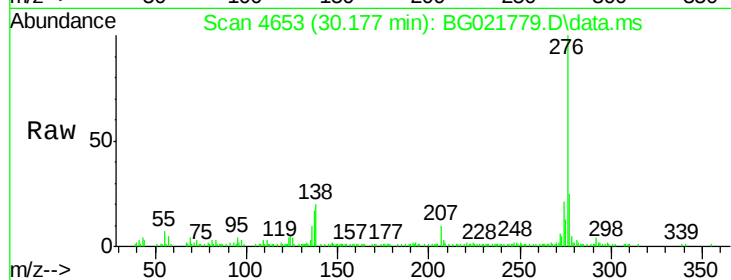
Lab File: BG021779.D

Acq: 20 Apr 2016 11:08

Instrument :

BNA_G

ClientSampleId :



Tot Ion:276 Resp: 163334

Ion Ratio Lower Upper

276 100

277 25.4 19.4 29.2

138 19.6 17.4 26.0

