

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042016\
 Data File : BG021776.D
 Acq On : 20 Apr 2016 4:54
 Operator : UM/SJ
 Sample : H2617-03
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 B-931EB(N)(8)

Quant Time: Apr 20 05:42:47 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

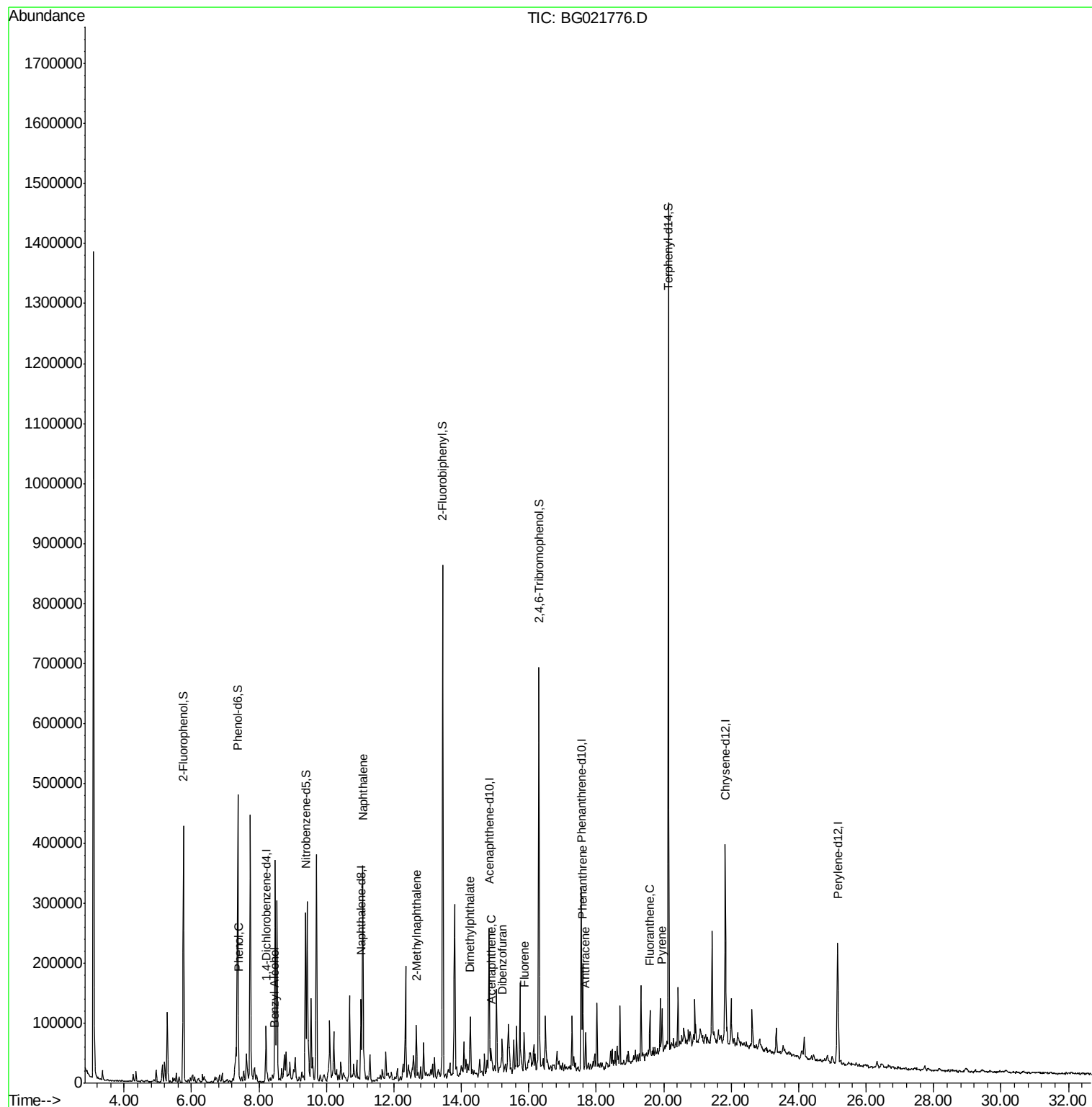
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.21	152	24379	20.00	ng	-0.01
21) Naphthalene-d8	11.03	136	118757	20.00	ng	0.00
38) Acenaphthene-d10	14.82	164	83821	20.00	ng	0.00
63) Phenanthrene-d10	17.56	188	183050	20.00	ng	0.00
75) Chrysene-d12	21.83	240	202297	20.00	ng	0.00
86) Perylene-d12	25.15	264	200354	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.76	112	185368	126.62	ng	0.00
7) Phenol-d6	7.37	99	288563	131.96	ng	0.01
23) Nitrobenzene-d5	9.38	82	176930	76.58	ng	0.00
41) 2,4,6-Tribromophenol	16.30	330	119888	132.71	ng	0.00
44) 2-Fluorobiphenyl	13.45	172	441186	77.12	ng	0.00
78) Terphenyl-d14	20.14	244	622421	76.77	ng	0.00
Target Compounds						
10) Phenol	7.39	94	12505	5.32	ng	Qvalue 92
15) Benzyl Alcohol	8.44	79	5024	3.01	ng	98
31) Naphthalene	11.08	128	310513	48.86	ng	# 95
37) 2-Methylnaphthalene	12.66	142	44450	10.19	ng	99
49) Dimethylphthalate	14.26	163	53692	7.41	ng	99
51) Acenaphthene	14.88	154	11880	2.15	ng	90
54) Dibenzofuran	15.21	168	24278	3.22	ng	96
57) Fluorene	15.86	166	26458	3.93	ng	# 87
70) Phenanthrene	17.60	178	108170	10.72	ng	98
71) Anthracene	17.69	178	39171	3.82	ng	98
74) Fluoranthene	19.59	202	44908	3.73	ng	99
77) Pyrene	19.95	202	46944	4.02	ng	98

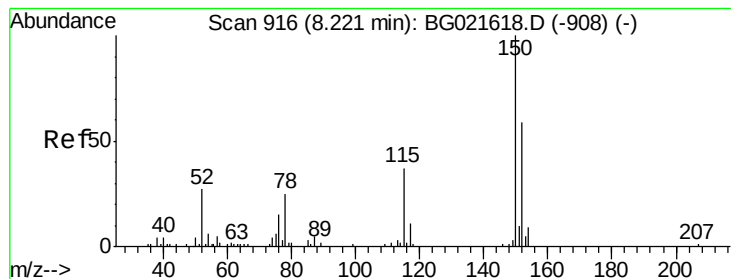
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.21 min Scan# 914

Delta R.T. -0.01 min

Lab File: BG021776.D

Acq: 20 Apr 2016 4:54

Instrument :

BNA_G

ClientSampleId :

B-931EB(N)(8)

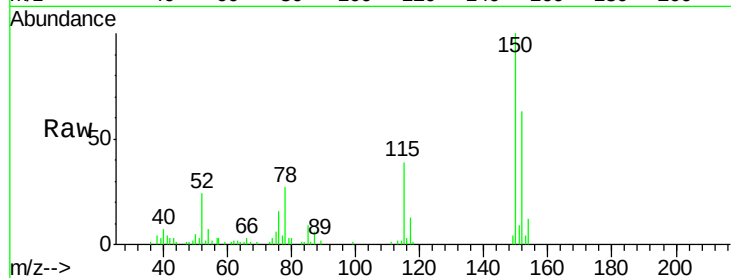
Tot Ion:152 Resp: 24379

Ion Ratio Lower Upper

152 100

150 157.9 130.1 195.1

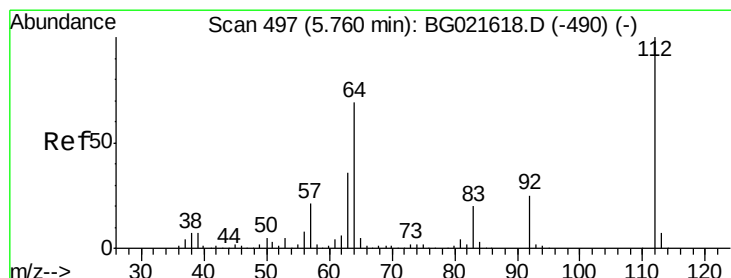
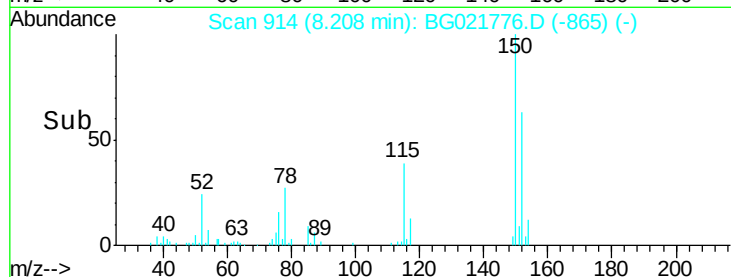
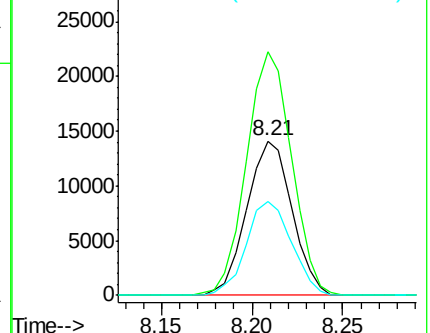
115 61.0 62.2 93.2#



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: 126.62 ng

RT: 5.76 min Scan# 497

Delta R.T. -0.00 min

Lab File: BG021776.D

Acq: 20 Apr 2016 4:54

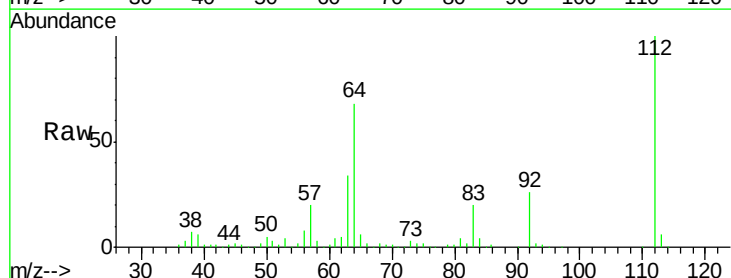
Tgt Ion:112 Resp: 185368

Ion Ratio Lower Upper

112 100

64 68.4 51.1 76.7

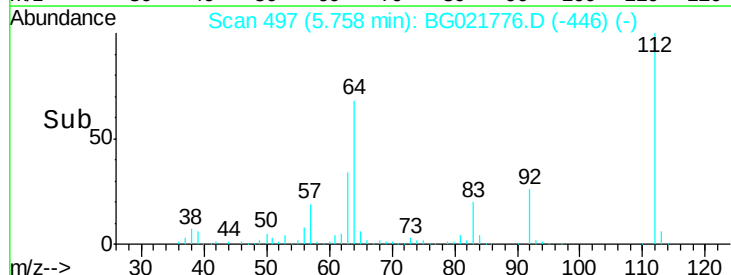
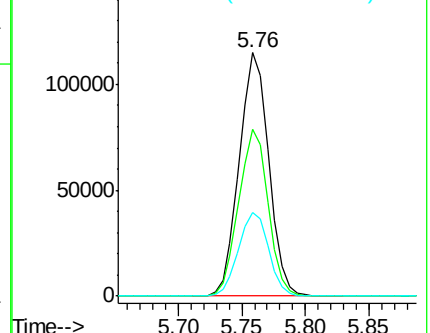
63 34.3 24.6 37.0

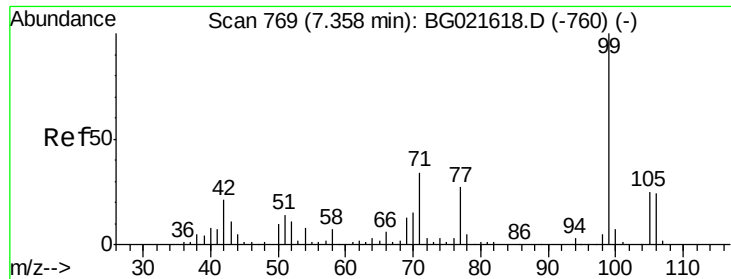


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 131.96 ng

RT: 7.37 min Scan# 771

Delta R.T. 0.01 min

Lab File: BG021776.D

Acq: 20 Apr 2016 4:54

Instrument :

BNA_G

ClientSampleId :

B-931EB(N)(8)

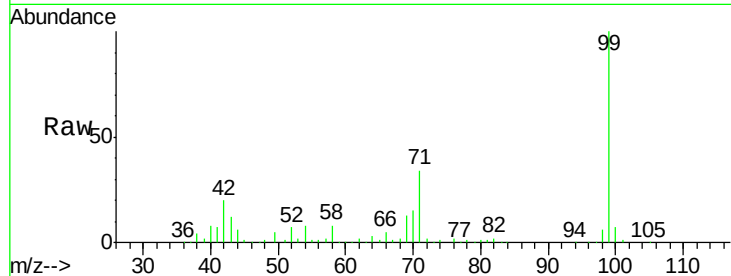
Tot Ion: 99 Resp: 288563

Ion Ratio Lower Upper

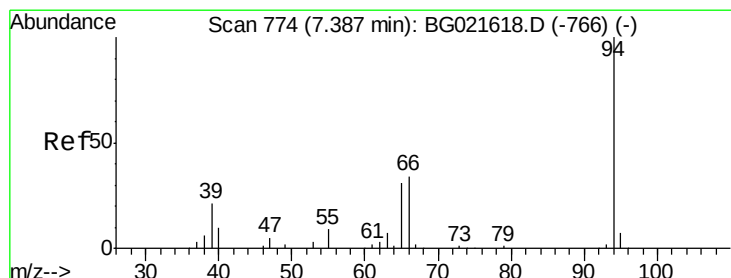
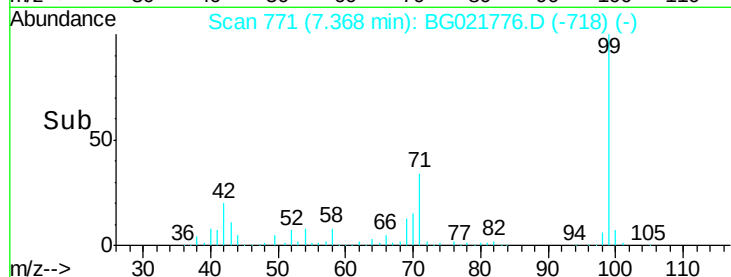
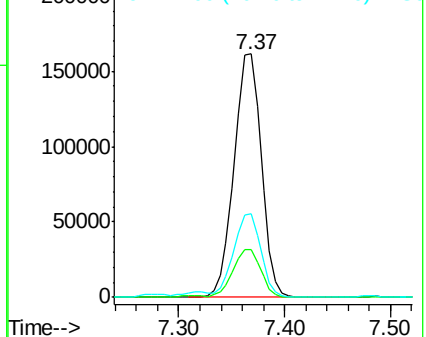
99 100

42 19.7 16.4 24.6

71 34.2 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



#10

Phenol

Concen: 5.32 ng

RT: 7.39 min Scan# 775

Delta R.T. 0.00 min

Lab File: BG021776.D

Acq: 20 Apr 2016 4:54

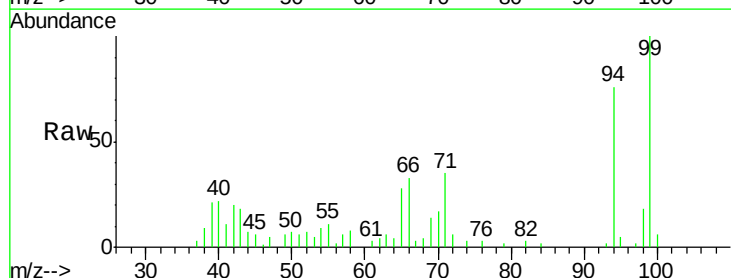
Tgt Ion: 94 Resp: 12505

Ion Ratio Lower Upper

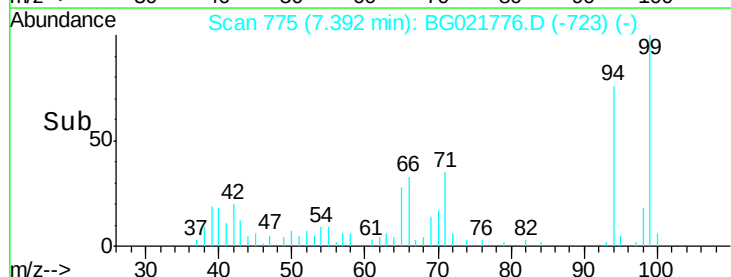
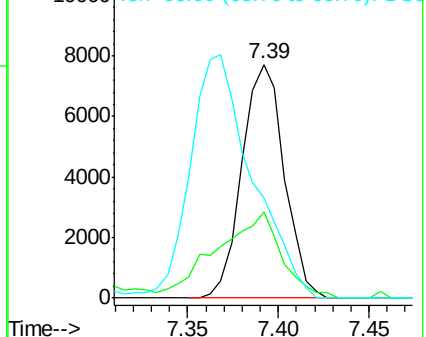
94 100

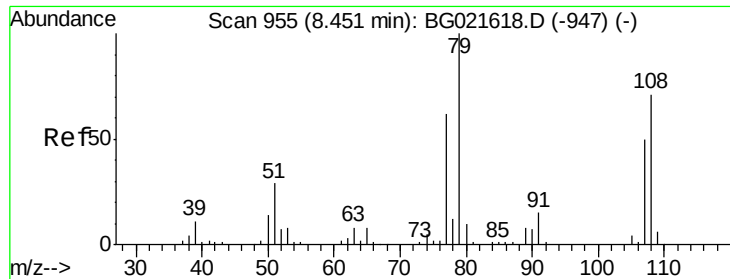
65 37.1 9.8 49.8

66 43.0 20.8 60.8



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC





#15

Benzyl Alcohol

Concen: 3.01 ng

RT: 8.44 min Scan# 954

Delta R.T. -0.01 min

Lab File: BG021776.D

Acq: 20 Apr 2016 4:54

Instrument :

BNA_G

ClientSampleId :

B-931EB(N)(8)

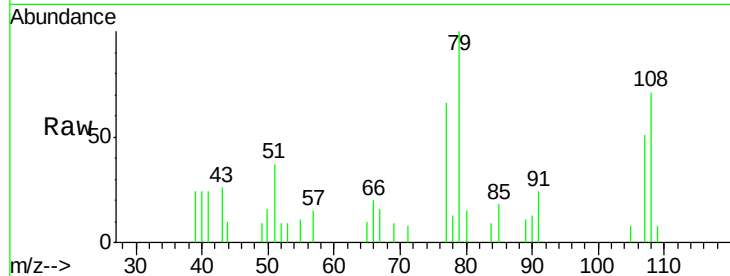
Tot Ion: 79 Resp: 5024

Ion Ratio Lower Upper

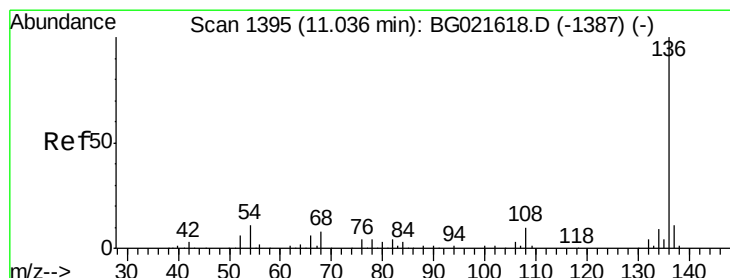
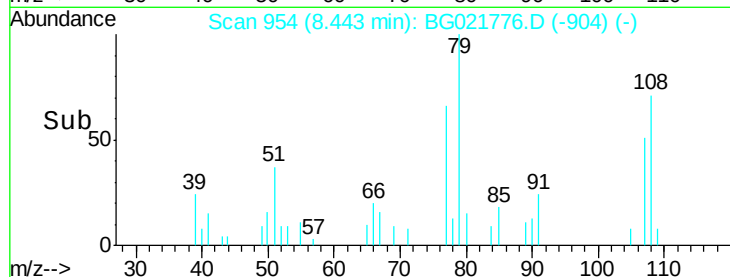
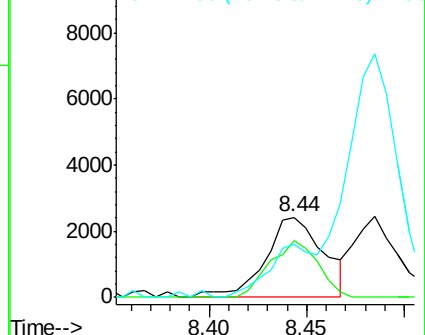
79 100

108 70.9 59.4 89.0

77 65.7 52.2 78.2



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 11.03 min Scan# 1394

Delta R.T. -0.01 min

Lab File: BG021776.D

Acq: 20 Apr 2016 4:54

Tgt Ion: 136 Resp: 118757

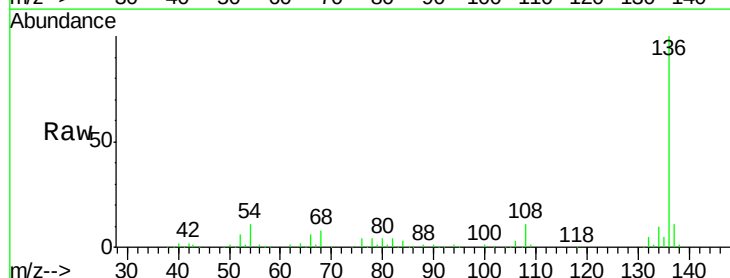
Ion Ratio Lower Upper

136 100

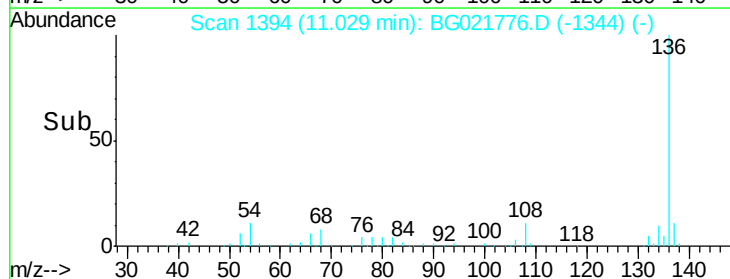
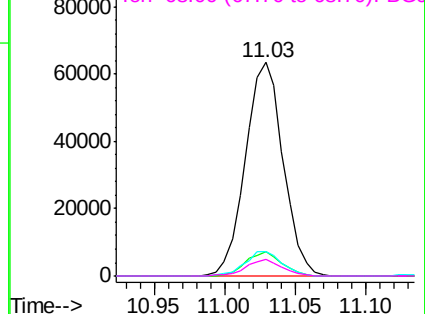
137 11.3 9.0 13.4

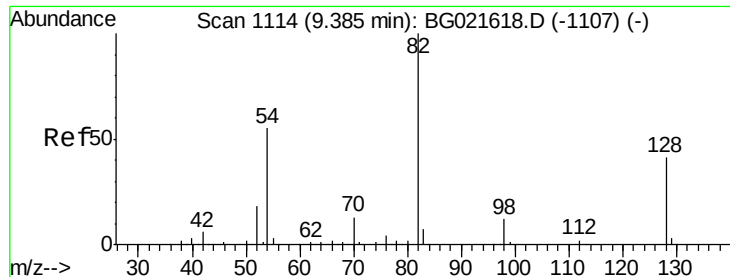
54 11.2 9.6 14.4

68 7.6 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

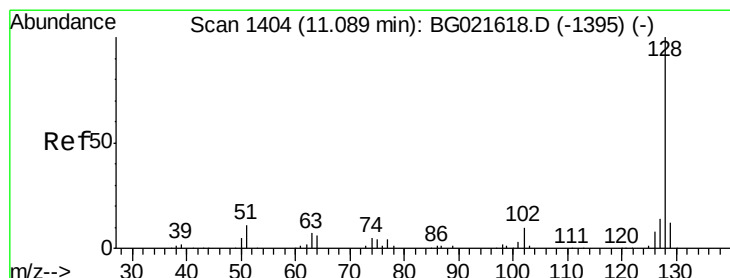
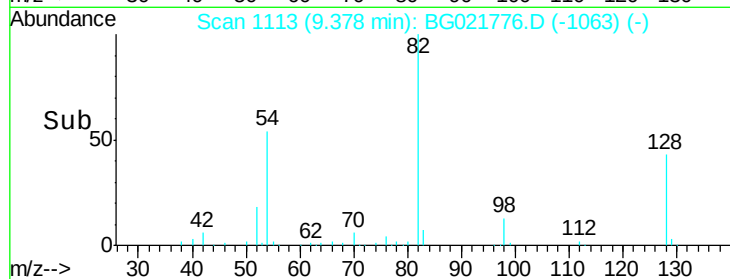
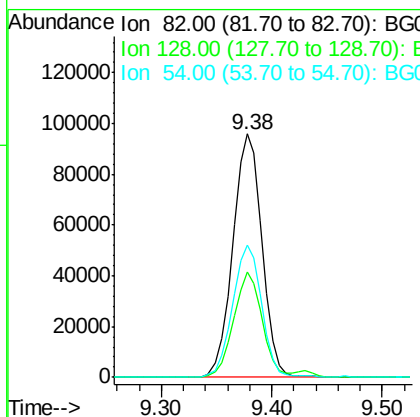
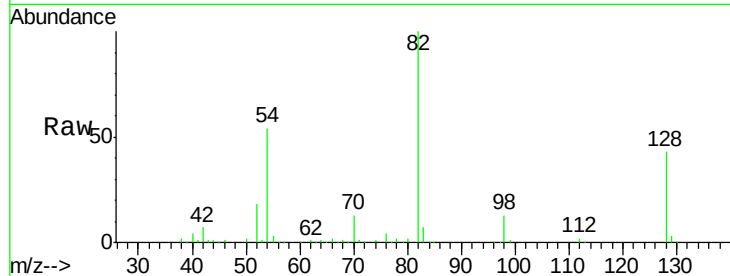




#23
 Nitrobenzene-d5
 Concen: 76.58 ng
 RT: 9.38 min Scan# 1113
 Delta R.T. -0.01 min
 Lab File: BG021776.D
 Acq: 20 Apr 2016 4:54

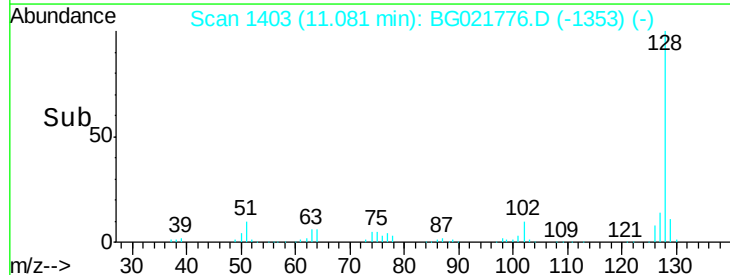
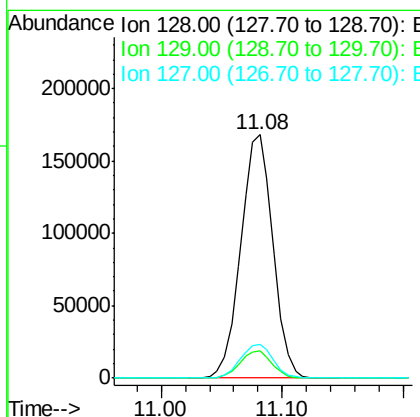
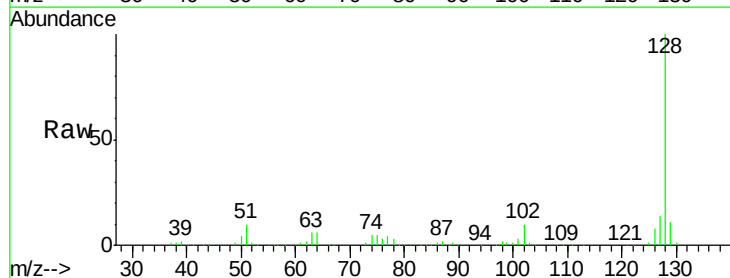
Instrument :
 BNA_G
 ClientSampleId :
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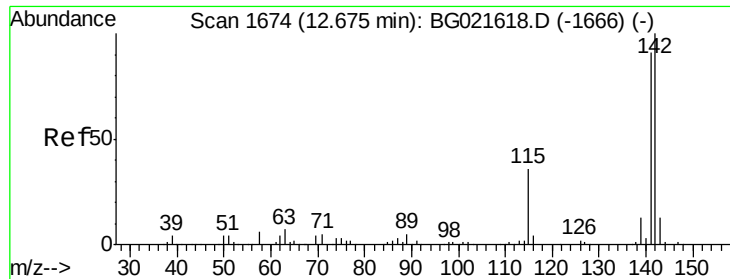
Tot Ion: 82 Resp: 176930
 Ion Ratio Lower Upper
 82 100
 128 43.3 33.4 50.0
 54 54.4 46.1 69.1



#31
 Naphthalene
 Concen: 48.86 ng
 RT: 11.08 min Scan# 1403
 Delta R.T. -0.01 min
 Lab File: BG021776.D
 Acq: 20 Apr 2016 4:54

Tgt Ion: 128 Resp: 310513
 Ion Ratio Lower Upper
 128 100
 129 11.1 7.0 10.6#
 127 13.9 10.1 15.1

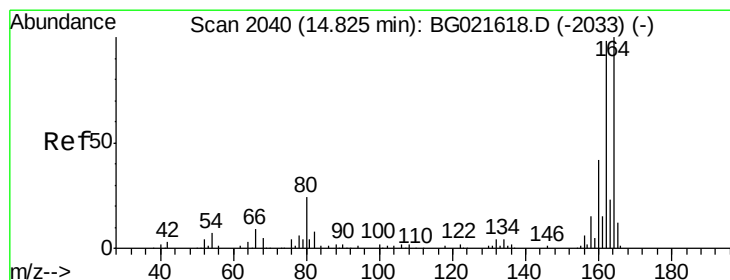
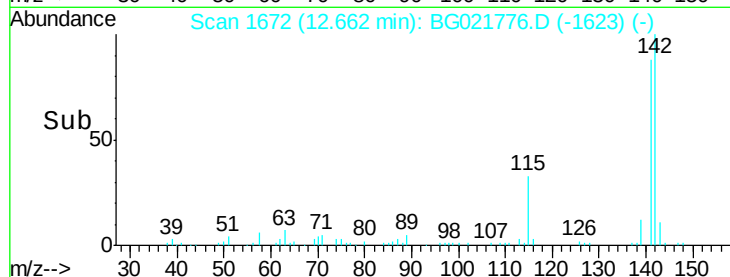
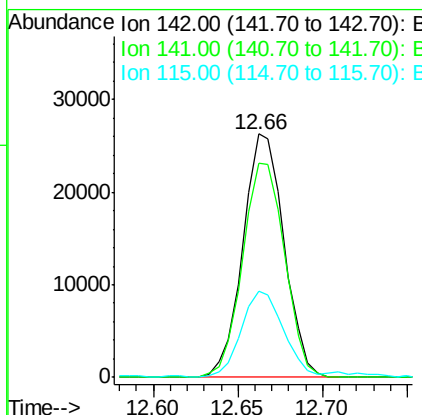
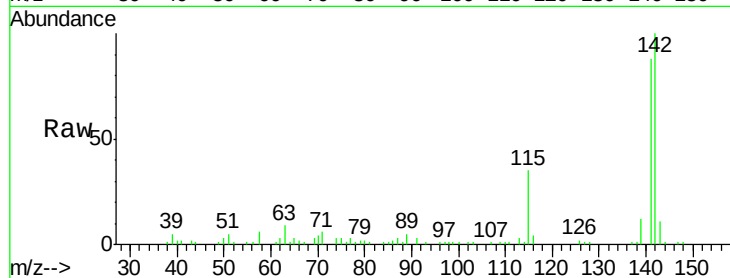




#37
2-Methylnaphthalene
Concen: 10.19 ng
RT: 12.66 min Scan# 1672
Delta R.T. -0.01 min
Lab File: BG021776.D
Acq: 20 Apr 2016 4:54

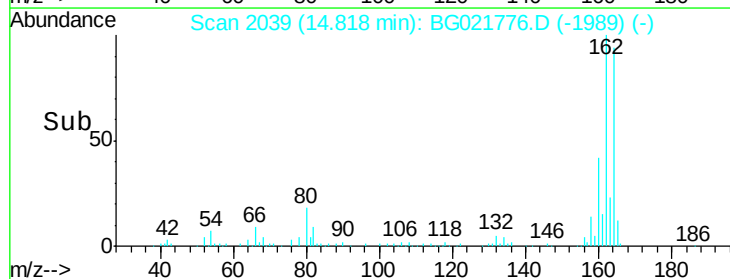
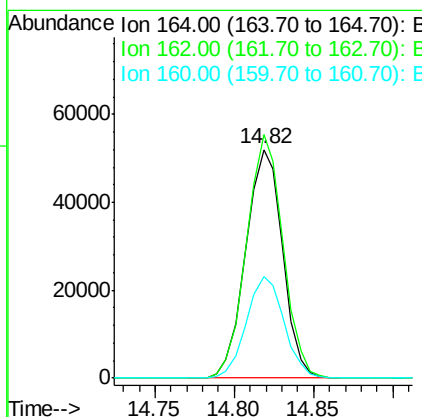
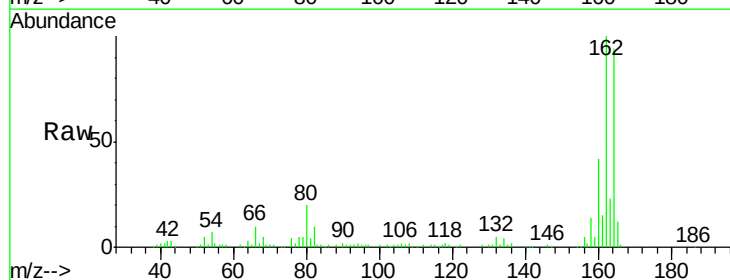
Instrument :
BNA_G
ClientSampleId :
B-931EB(N)(8)

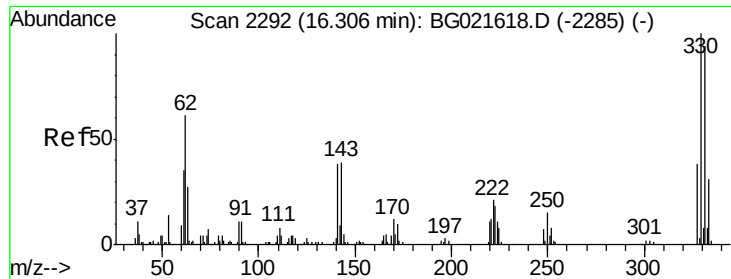
Tot Ion:142 Resp: 44450
Ion Ratio Lower Upper
142 100
141 88.1 71.4 107.0
115 35.2 27.4 41.2



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.82 min Scan# 2039
Delta R.T. -0.01 min
Lab File: BG021776.D
Acq: 20 Apr 2016 4:54

Tgt Ion:164 Resp: 83821
Ion Ratio Lower Upper
164 100
162 106.6 78.0 117.0
160 44.7 32.9 49.3

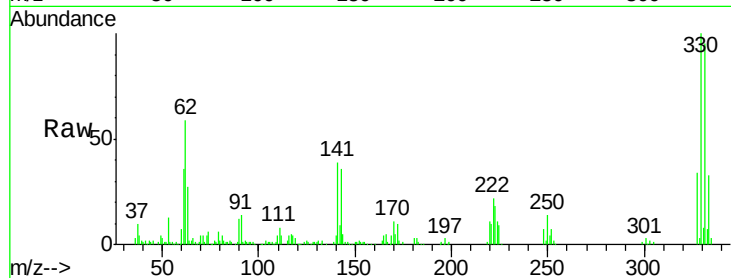




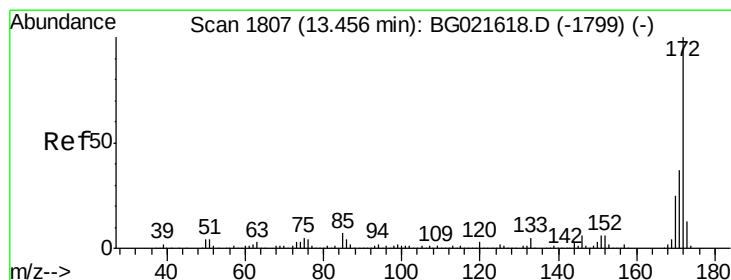
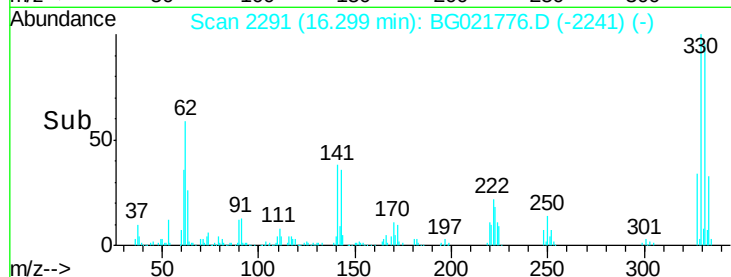
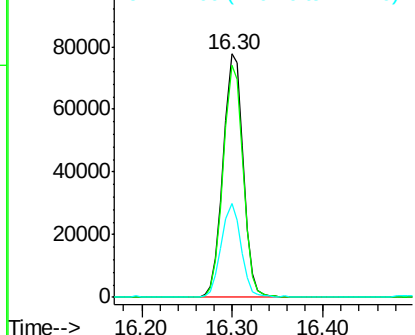
#41
 2,4,6-Tribromophenol
 Concen: 132.71 ng
 RT: 16.30 min Scan# 2291
 Delta R.T. -0.01 min
 Lab File: BG021776.D
 Acq: 20 Apr 2016 4:54

Instrument :
 BNA_G
 ClientSampleId :
 B-931EB(N)(8)

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.4	78.0	117.0
141	38.3	33.8	50.8

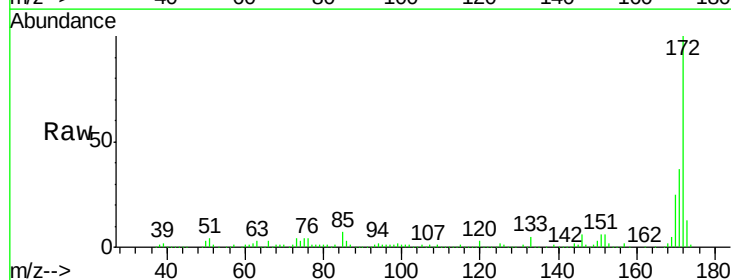


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

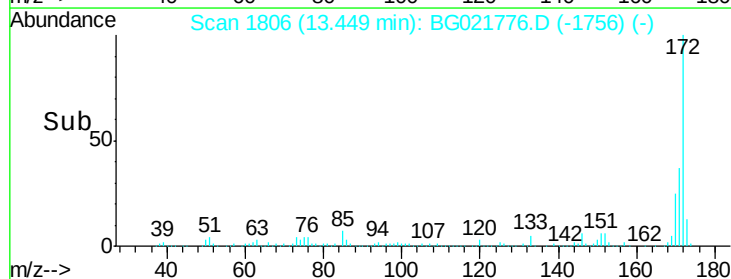
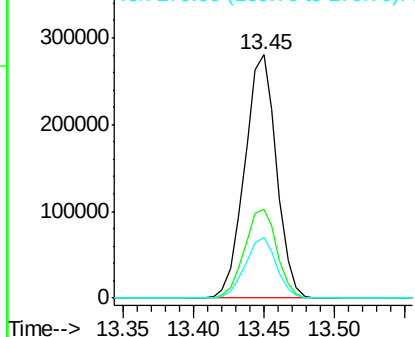


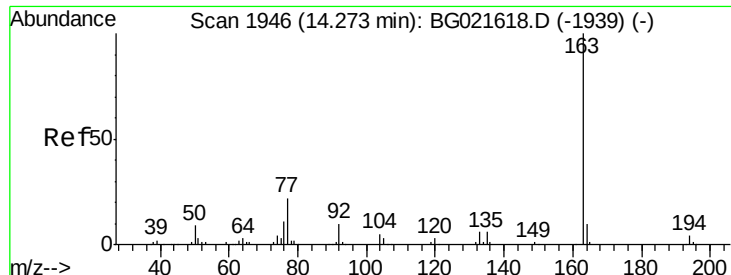
#44
 2-Fluorobiphenyl
 Concen: 77.12 ng
 RT: 13.45 min Scan# 1806
 Delta R.T. -0.01 min
 Lab File: BG021776.D
 Acq: 20 Apr 2016 4:54

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.6	27.8	41.6
170	24.8	19.6	29.4



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: 7.41 ng

RT: 14.26 min Scan# 1944

Delta R.T. -0.01 min

Lab File: BG021776.D

Acq: 20 Apr 2016 4:54

Instrument :

BNA_G

ClientSampleId :

B-931EB(N)(8)

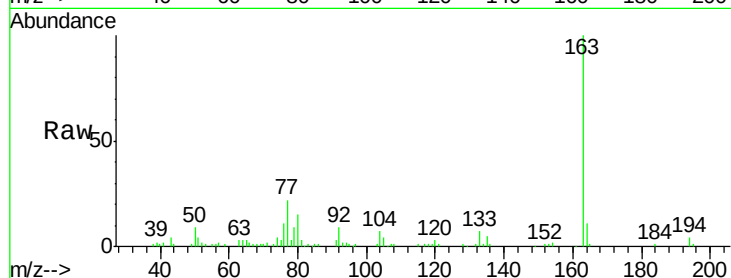
Tot Ion:163 Resp: 53692

Ion Ratio Lower Upper

163 100

194 3.9 3.0 4.6

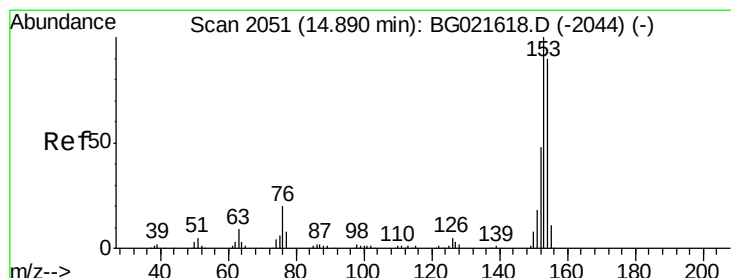
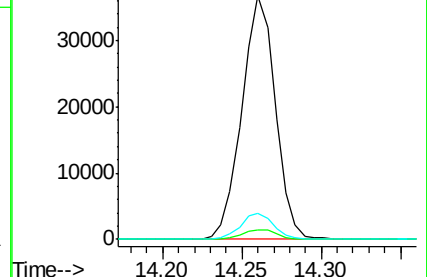
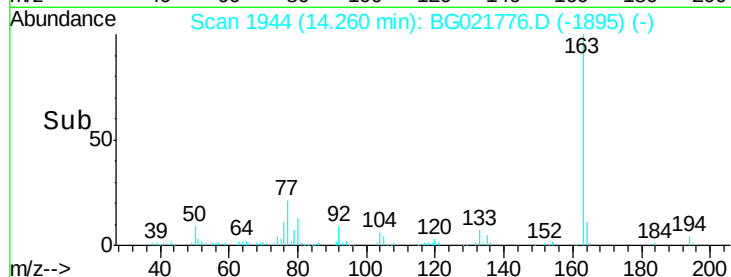
164 10.7 8.1 12.1



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



#51

Acenaphthene

Concen: 2.15 ng

RT: 14.88 min Scan# 2050

Delta R.T. -0.01 min

Lab File: BG021776.D

Acq: 20 Apr 2016 4:54

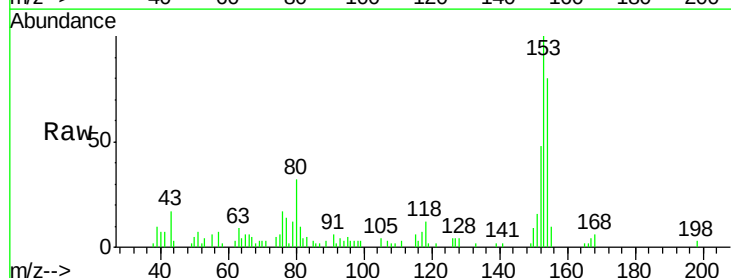
Tgt Ion:154 Resp: 11880

Ion Ratio Lower Upper

154 100

153 124.8 91.9 137.9

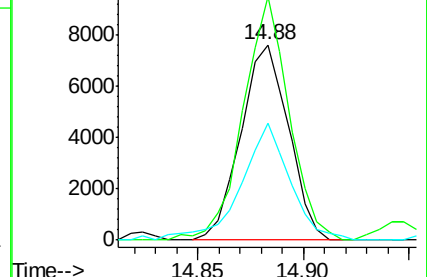
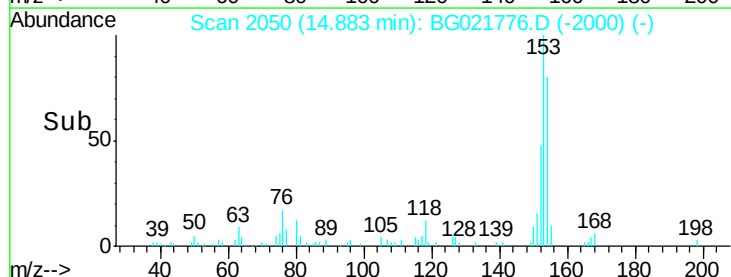
152 60.1 42.0 63.0

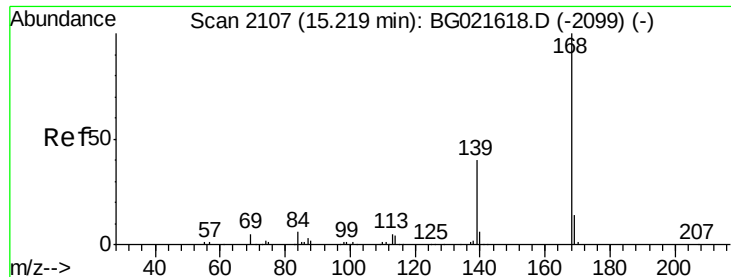


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#54

Dibenzenofuran

Concen: 3.22 ng

RT: 15.21 min Scan# 2106

Delta R.T. -0.01 min

Lab File: BG021776.D

Acq: 20 Apr 2016 4:54

Instrument :

BNA_G

ClientSampleId :

B-931EB(N)(8)

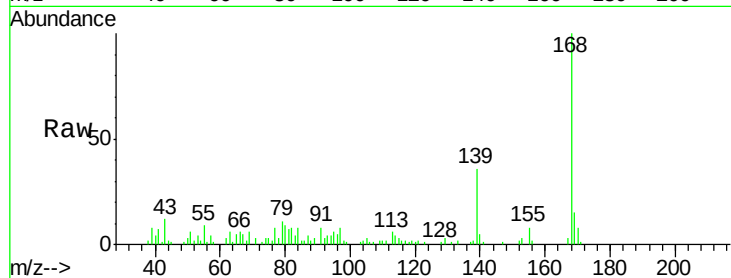
Tot Ion:168 Resp: 24278

Ion Ratio Lower Upper

168 100

139 36.1 31.1 46.7

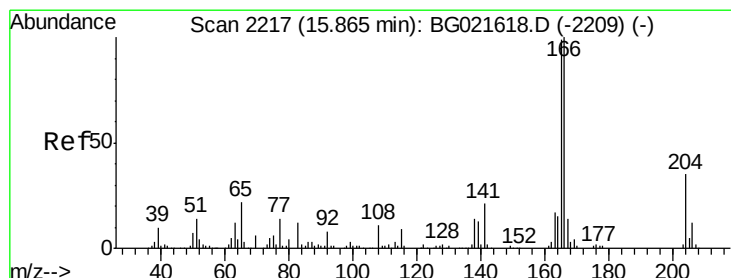
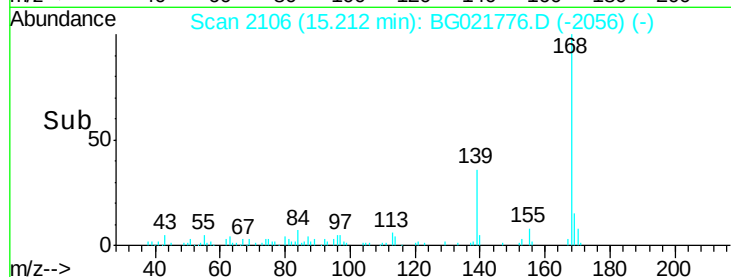
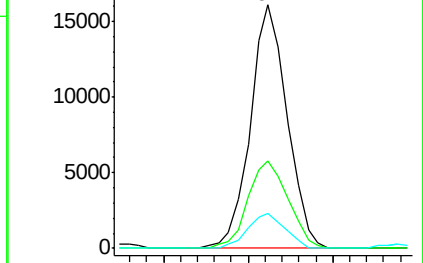
169 14.5 11.0 16.6



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#57

Fluorene

Concen: 3.93 ng

RT: 15.86 min Scan# 2216

Delta R.T. -0.01 min

Lab File: BG021776.D

Acq: 20 Apr 2016 4:54

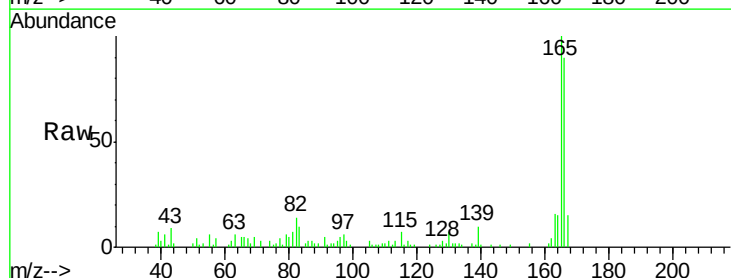
Tgt Ion:166 Resp: 26458

Ion Ratio Lower Upper

166 100

165 111.7 79.0 118.4

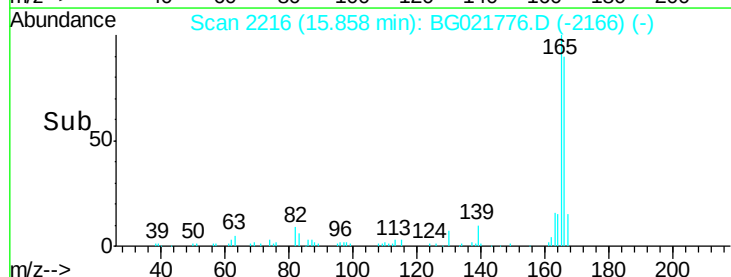
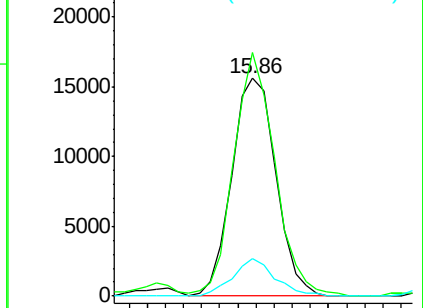
167 17.1 10.7 16.1#

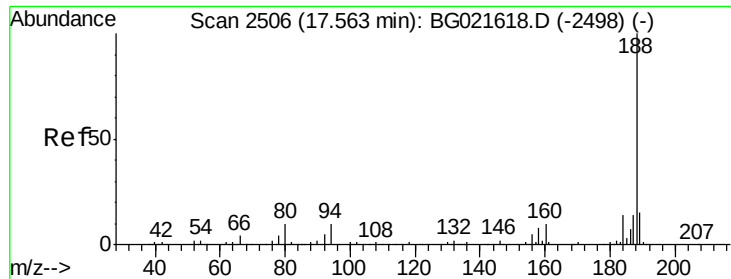


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

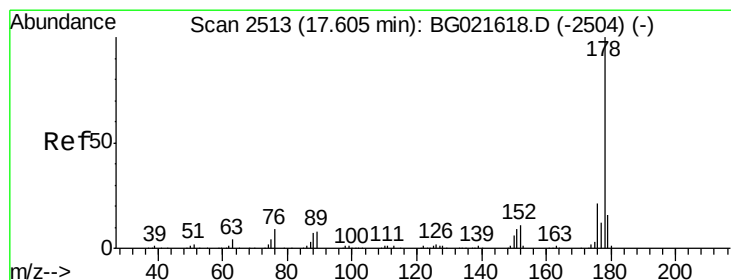
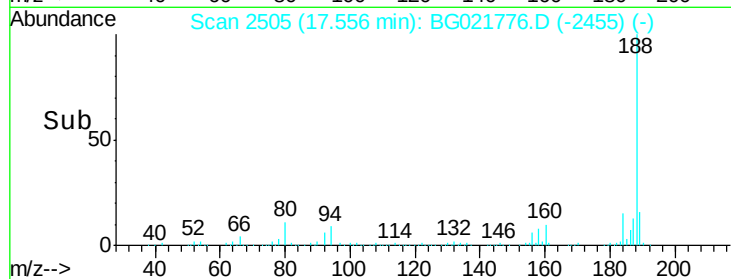
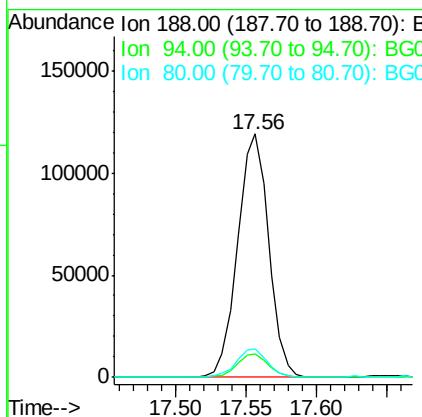
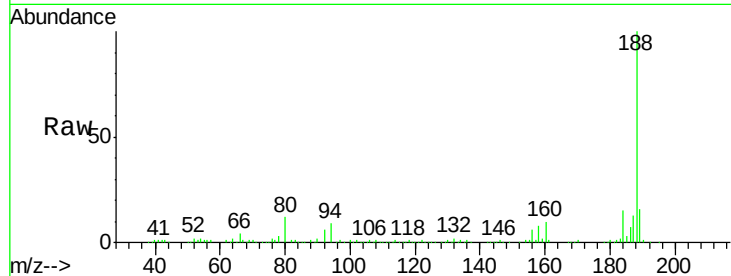




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.56 min Scan# 2505
Delta R.T. -0.01 min
Lab File: BG021776.D
Acq: 20 Apr 2016 4:54

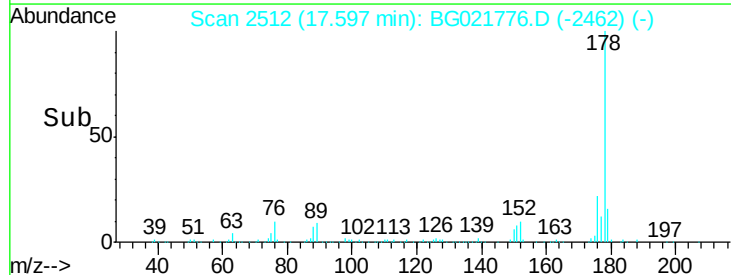
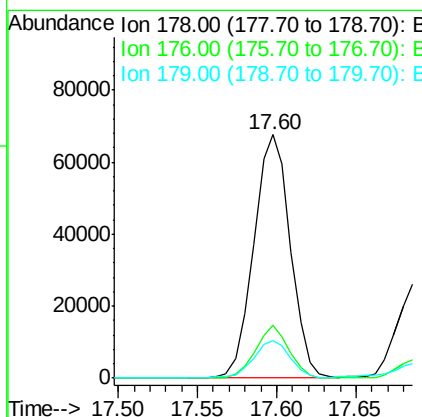
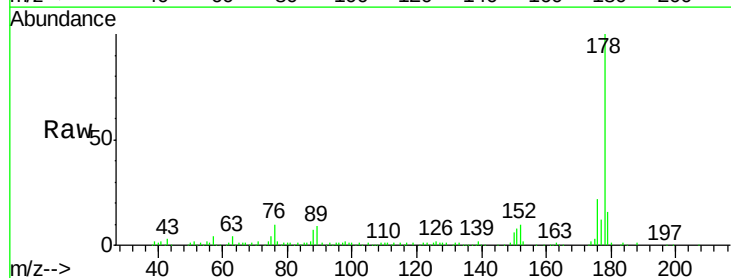
Instrument :
BNA_G
ClientSampleId :
B-931EB(N)(8)

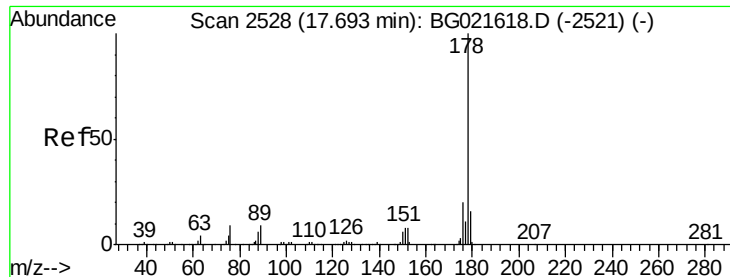
Tot Ion	Ratio	Lower	Upper
188	100		
94	9.4	7.5	11.3
80	11.6	8.6	13.0



#70
Phenanthrene
Concen: 10.72 ng
RT: 17.60 min Scan# 2512
Delta R.T. -0.01 min
Lab File: BG021776.D
Acq: 20 Apr 2016 4:54

Tgt Ion	Ratio	Lower	Upper
178	100		
176	21.5	16.2	24.4
179	15.6	12.0	18.0





#71

Anthracene

Concen: 3.82 ng

RT: 17.69 min Scan# 2527

Delta R.T. -0.01 min

Lab File: BG021776.D

Acq: 20 Apr 2016 4:54

Instrument :

BNA_G

ClientSampleId :

B-931EB(N)(8)

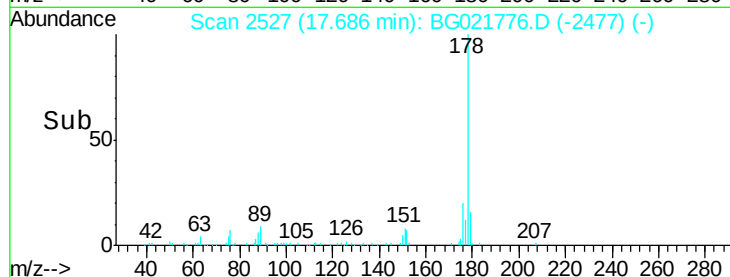
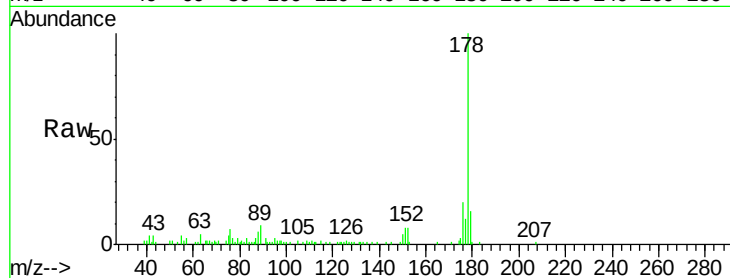
Tot Ion:178 Resp: 39171

Ion Ratio Lower Upper

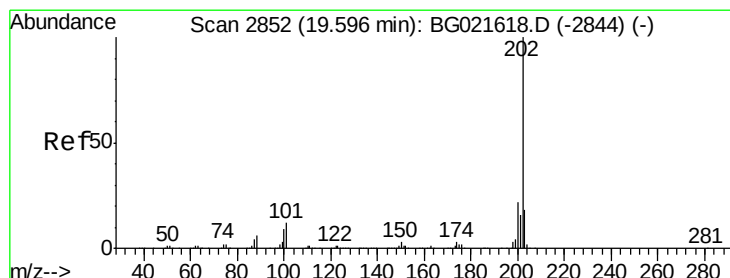
178 100

176 19.8 15.0 22.4

179 15.9 12.2 18.4



Time-->



#74

Fluoranthene

Concen: 3.73 ng

RT: 19.59 min Scan# 2851

Delta R.T. -0.01 min

Lab File: BG021776.D

Acq: 20 Apr 2016 4:54

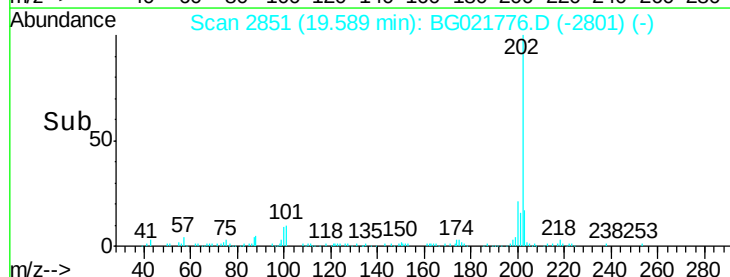
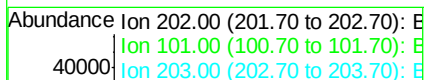
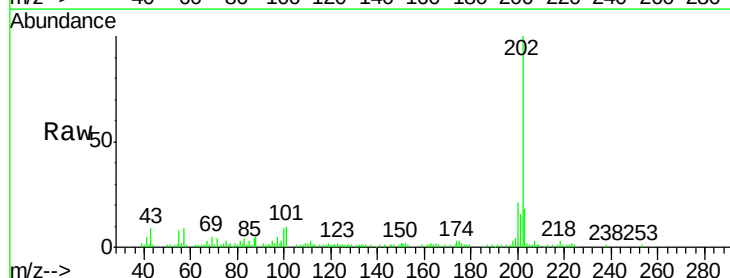
Tgt Ion:202 Resp: 44908

Ion Ratio Lower Upper

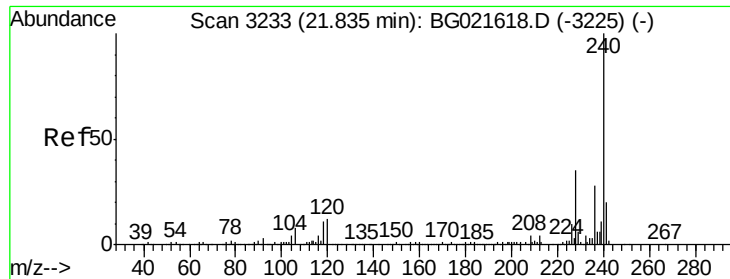
202 100

101 10.3 0.0 31.0

203 17.6 0.0 37.9



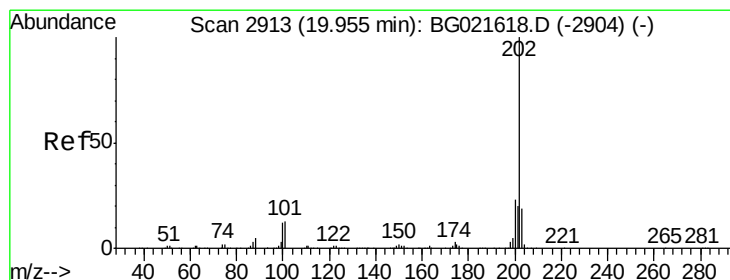
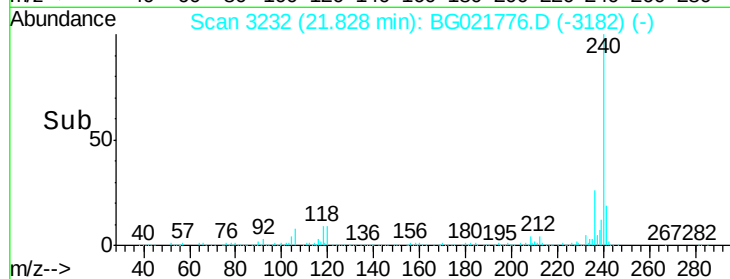
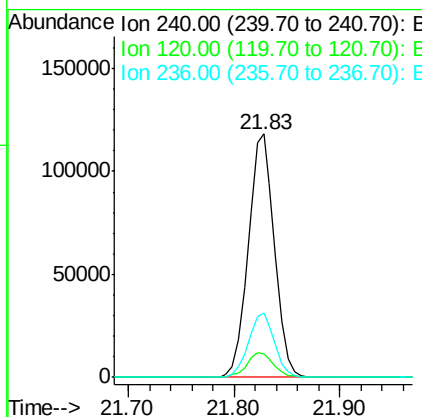
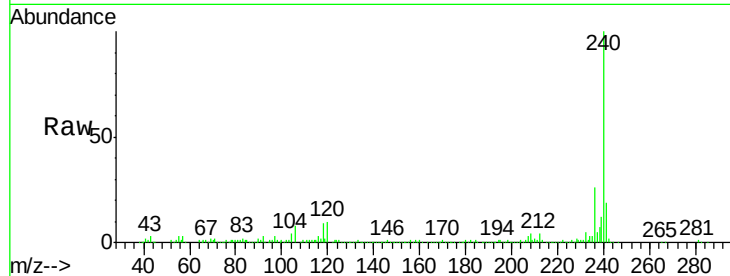
Time-->



#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.83 min Scan# 3232
Delta R.T. -0.01 min
Lab File: BG021776.D
Acq: 20 Apr 2016 4:54

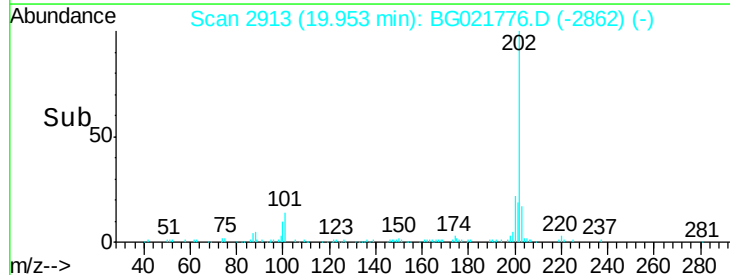
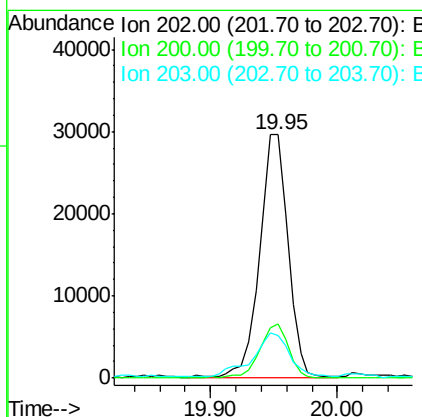
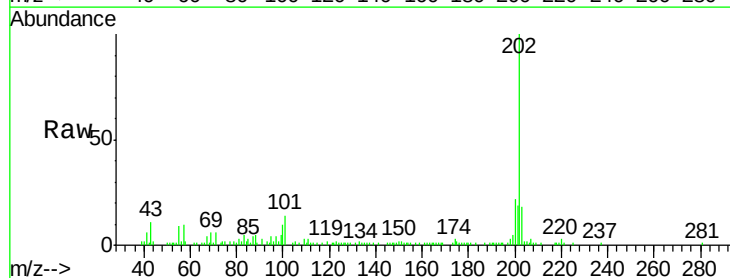
Instrument :
BNA_G
ClientSampleId :
B-931EB(N)(8)

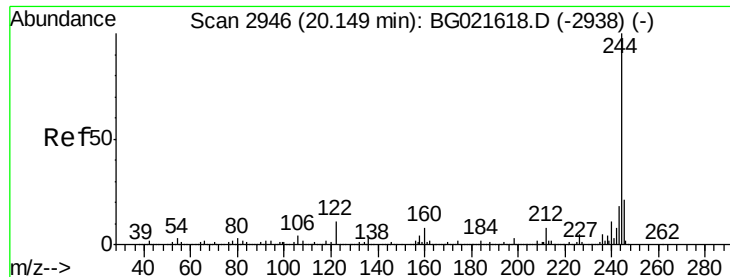
Tot Ion	Ratio	Lower	Upper
240	100		
120	9.7	8.4	12.6
236	26.2	19.6	29.4



#77
Pyrene
Concen: 4.02 ng
RT: 19.95 min Scan# 2913
Delta R.T. -0.00 min
Lab File: BG021776.D
Acq: 20 Apr 2016 4:54

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.2	18.2	27.2
203	17.6	15.0	22.4





#78

Terphenyl-d14

Concen: 76.77 ng

RT: 20.14 min Scan# 2945

Delta R.T. -0.01 min

Lab File: BG021776.D

Acq: 20 Apr 2016 4:54

Instrument :

BNA_G

ClientSampleId :

B-931EB(N)(8)

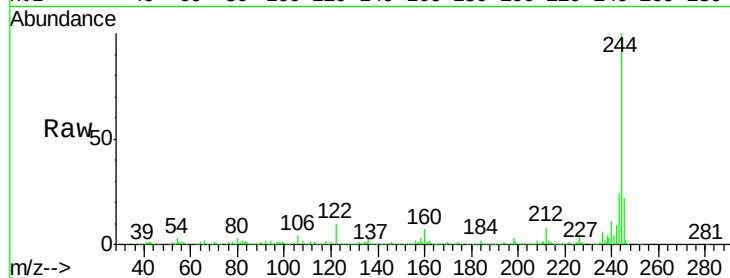
Tot Ion:244 Resp: 622421

Ion Ratio Lower Upper

244 100

212 8.1 6.5 9.7

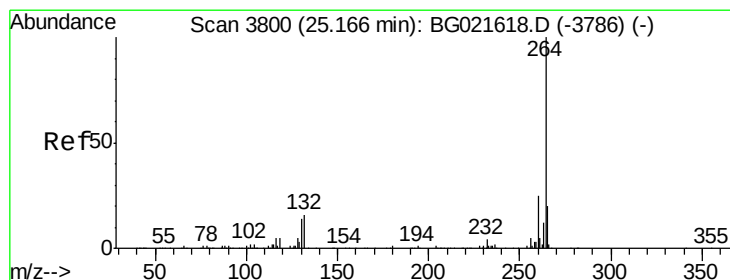
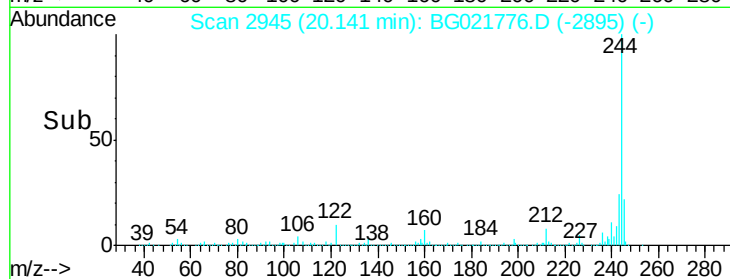
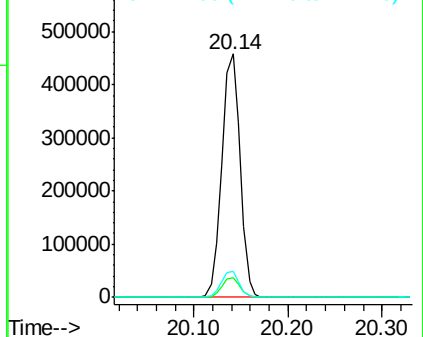
122 10.4 8.6 12.8



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 25.15 min Scan# 3798

Delta R.T. -0.01 min

Lab File: BG021776.D

Acq: 20 Apr 2016 4:54

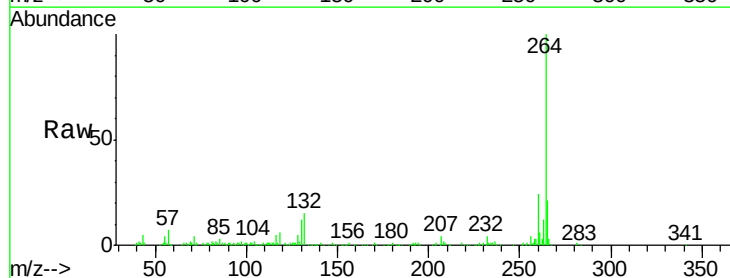
Tgt Ion:264 Resp: 200354

Ion Ratio Lower Upper

264 100

260 23.7 20.2 30.4

265 21.4 17.8 26.8



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

