

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 05:37:14 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	8.21	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

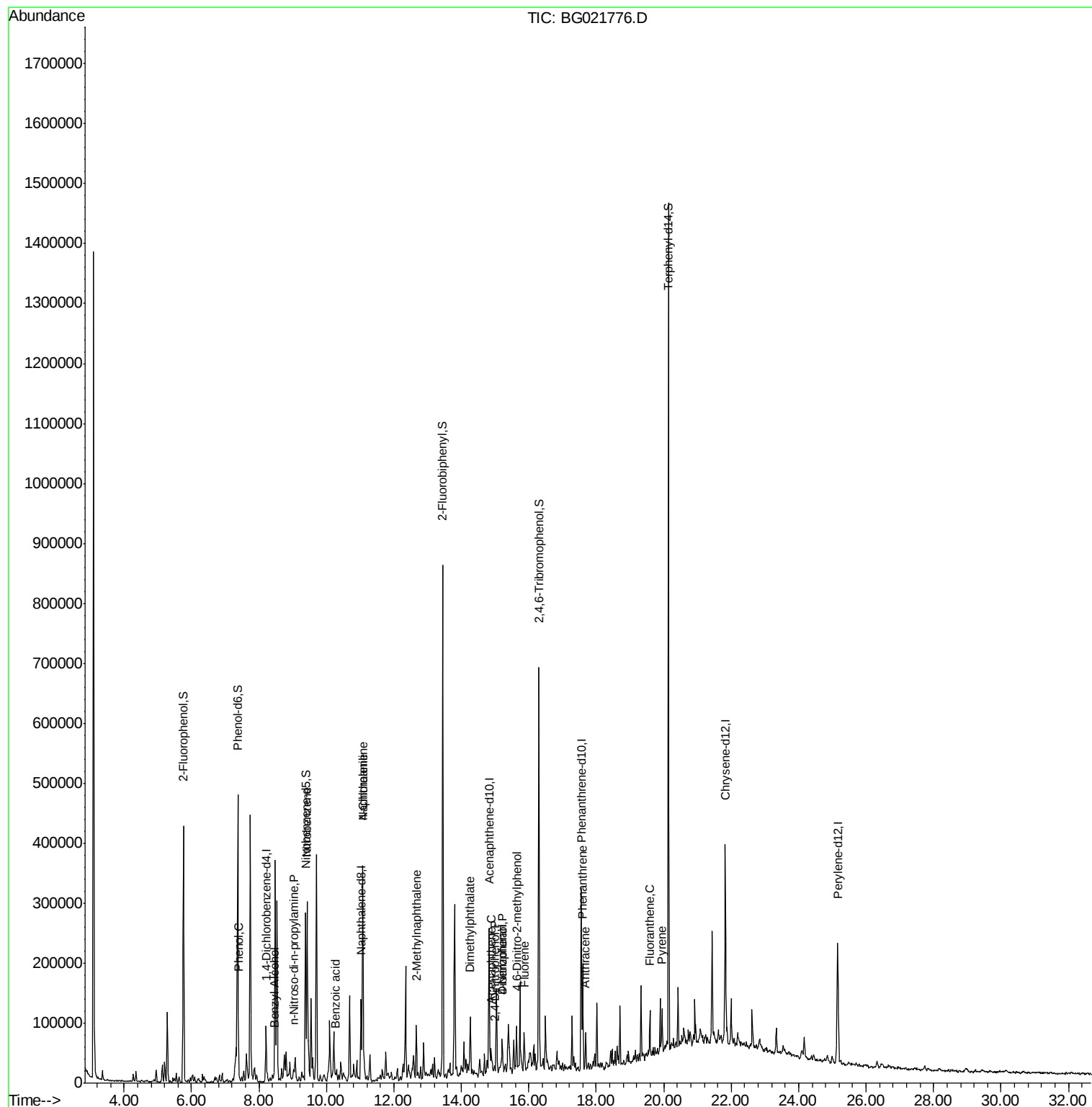
Target Compounds						Qvalue
10) Phenol	7.39	94	12505	5.32	ng	92
15) Benzyl Alcohol	8.44	79	5024	3.01	ng	98
19) n-Nitroso-di-n-propylamine	9.02	70	5434	3.20	ng	# 49
24) Nitrobenzene	9.42	77	22244	8.99	ng	# 20
31) Naphthalene	11.08	128	310513	48.86	ng	# 95
32) Benzoic acid	10.26	122	183	4.44	ng	# 1
33) 4-Chloroaniline	11.08	127	43324	15.75	ng	# 35
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
53) 2,4-Dinitrophenol	14.99	184	431	8.19	ng	# 58
54) Dibenzofuran	15.21	168	24278	3.22	ng	96
55) 4-Nitrophenol	15.21	139	9528	7.26	ng	# 15
57) Fluorene	15.86	166	26458	3.93	ng	# 87
64) 4,6-Dinitro-2-methylphenol	15.65	198	672	6.18	ng	# 1
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

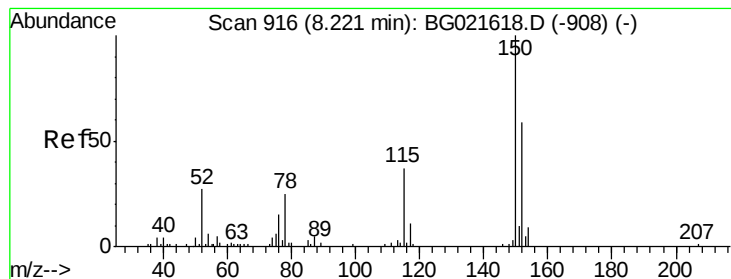
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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)

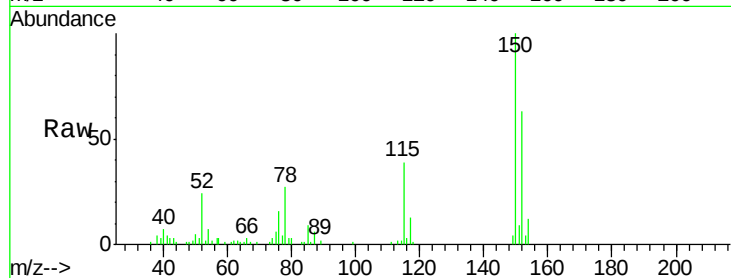
Tgt Ion:152 Resp: 24379

Ion Ratio Lower Upper

152 100

150 157.9 130.1 195.1

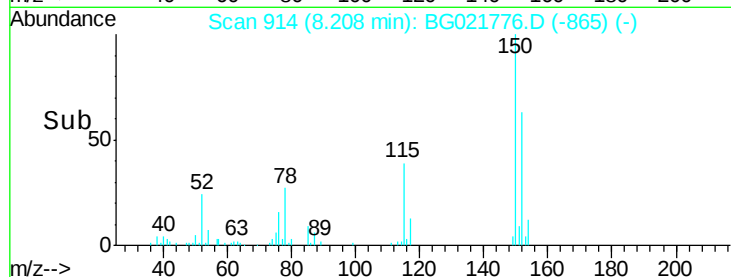
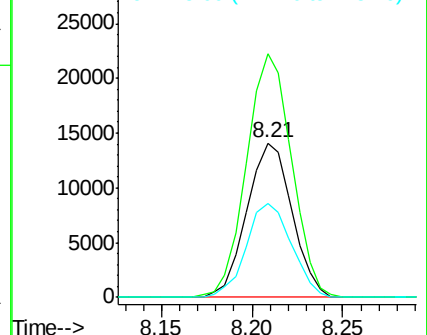
115 61.0 62.2 93.2#



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

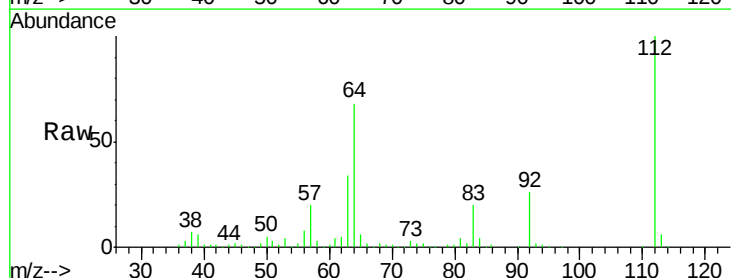
Tgt Ion:112 Resp: 185368

Ion Ratio Lower Upper

112 100

64 68.4 51.1 76.7

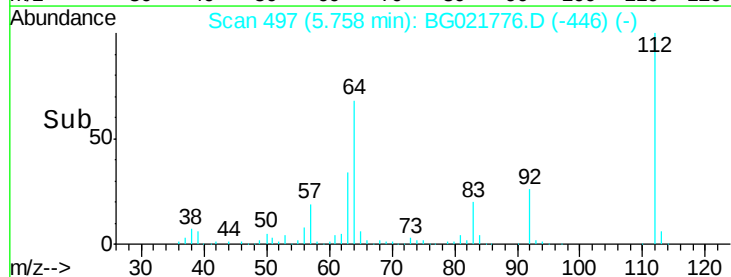
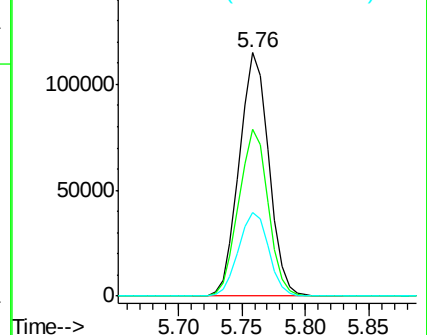
63 34.3 24.6 37.0

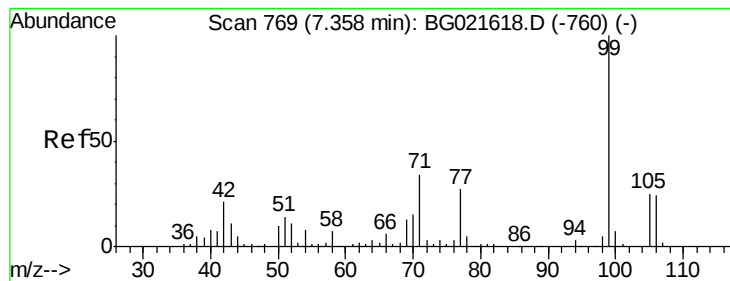


Abundance Ion 112.00 (111.70 to 112.70): E

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)

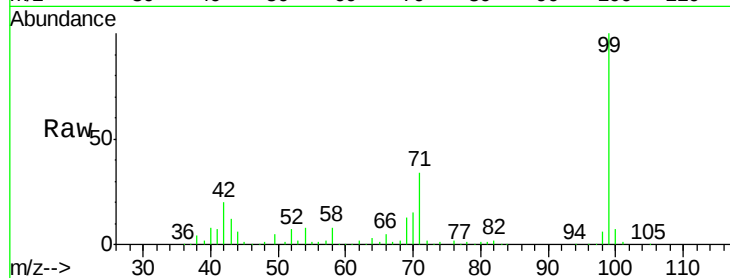
Tgt Ion: 99 Resp: 288563

Ion Ratio Lower Upper

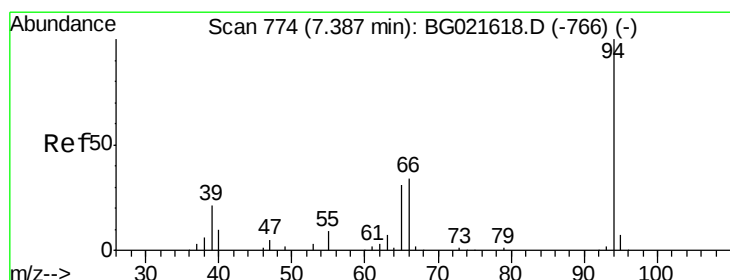
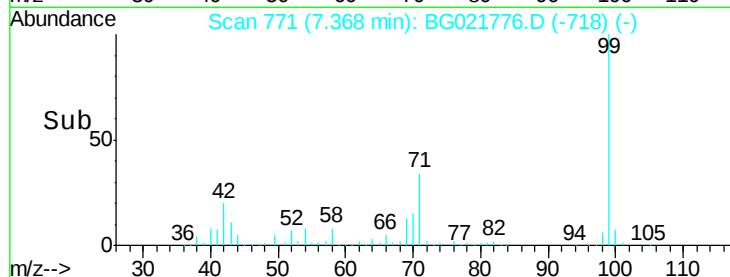
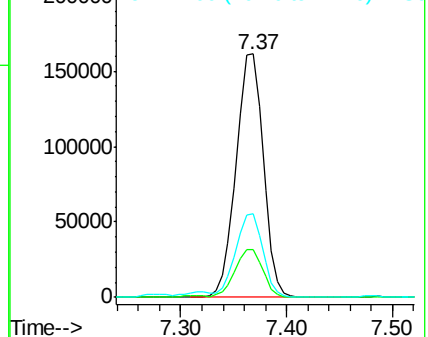
99 100

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

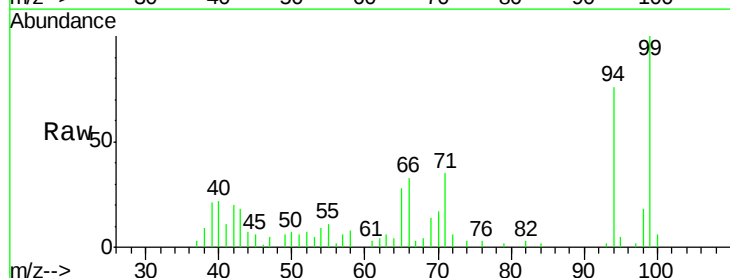
Tgt Ion: 94 Resp: 12505

Ion Ratio Lower Upper

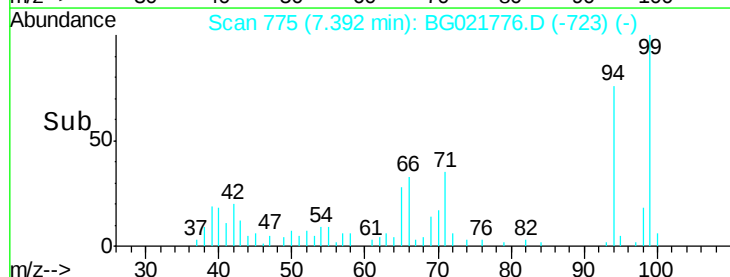
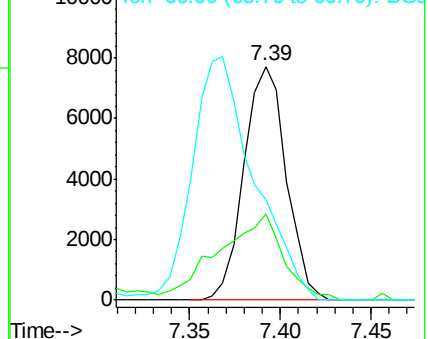
94 100

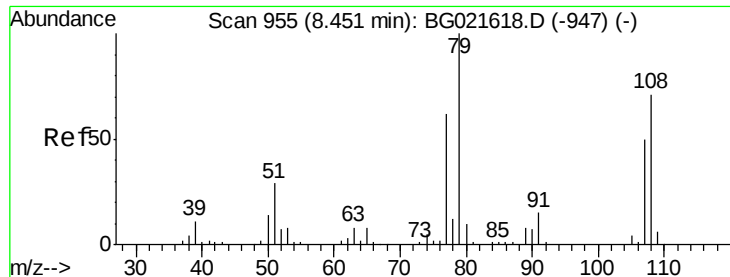
65 37.1 9.8 49.8

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 :

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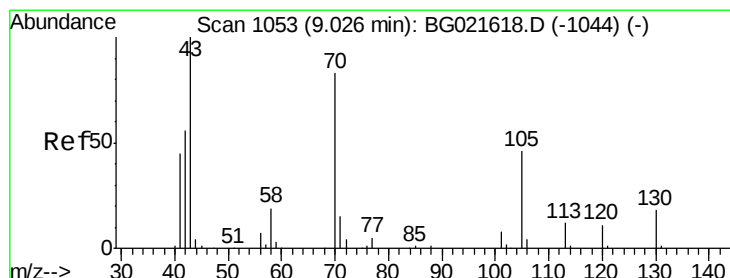
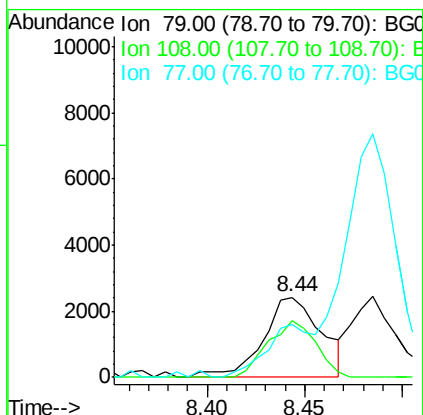
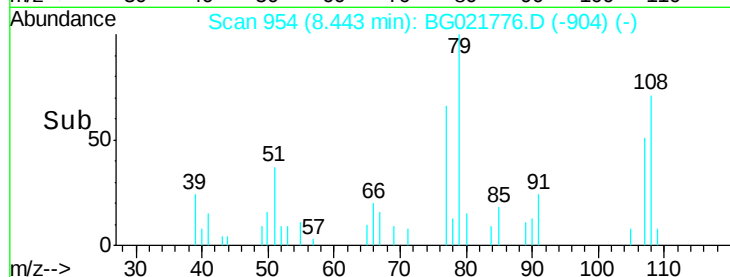
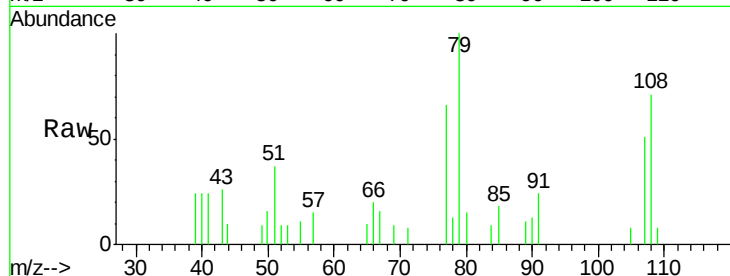
Tgt Ion: 79 Resp: 5024

Ion Ratio Lower Upper

79 100

108 70.9 59.4 89.0

77 65.7 52.2 78.2



#19

n-Nitroso-di-n-propylamine

Concen: 3.20 ng

RT: 9.02 min Scan# 1052

Delta R.T. -0.01 min

Lab File: BG021776.D

Acq: 20 Apr 2016 4:54

Tgt Ion: 70 Resp: 5434

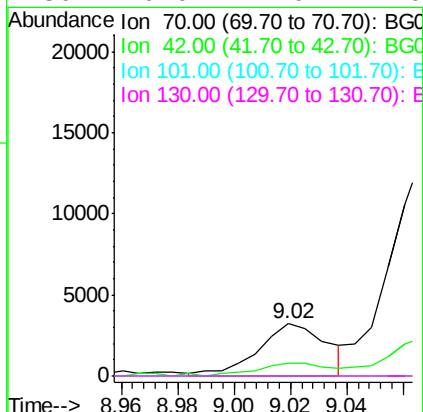
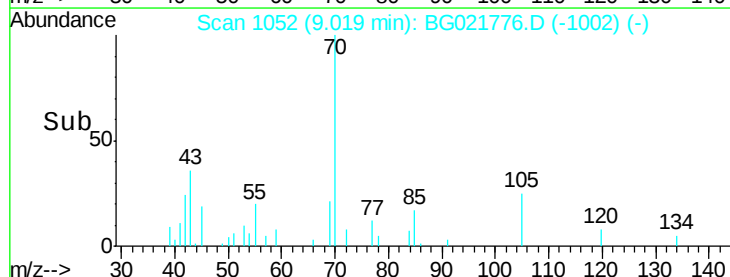
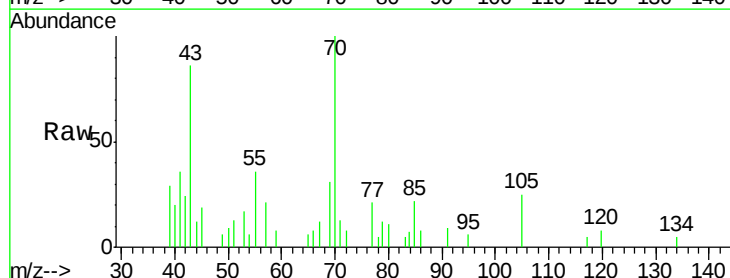
Ion Ratio Lower Upper

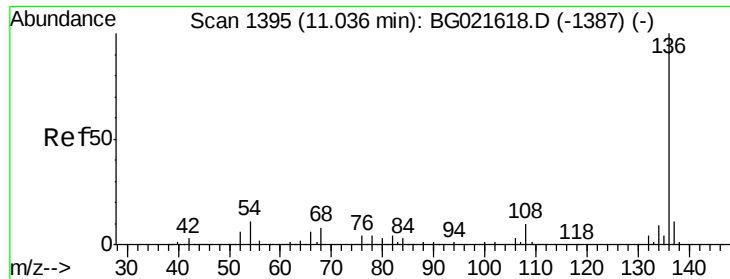
70 100

42 24.1 56.7 85.1#

101 0.0 8.2 12.4#

130 0.0 14.0 21.0#

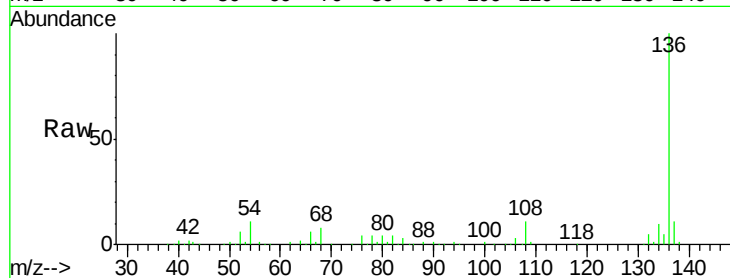




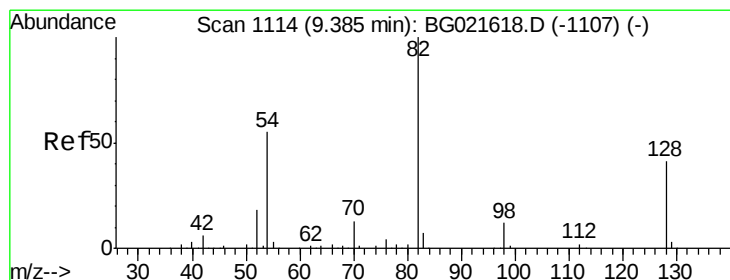
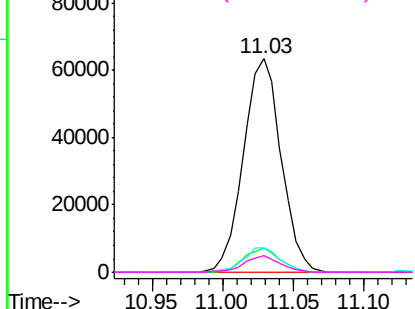
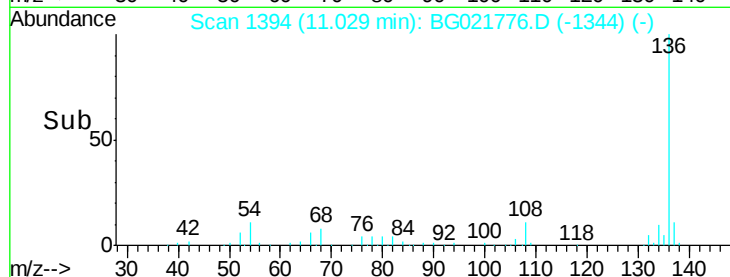
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.03 min Scan# 1394
Delta R.T. -0.01 min
Lab File: BG021776.D
Acq: 20 Apr 2016 4:54

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

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

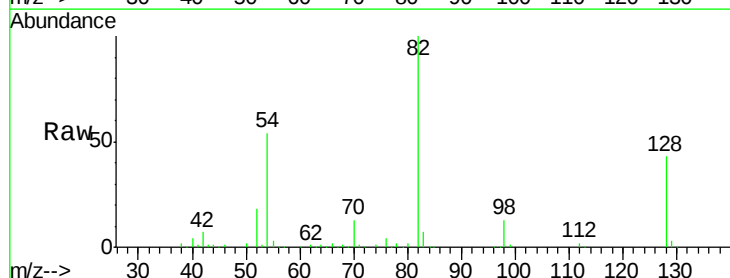


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

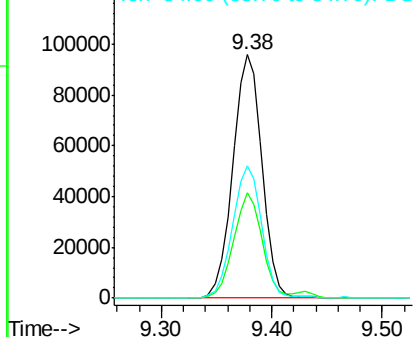
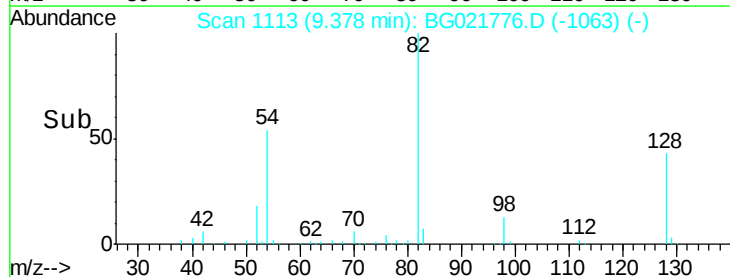


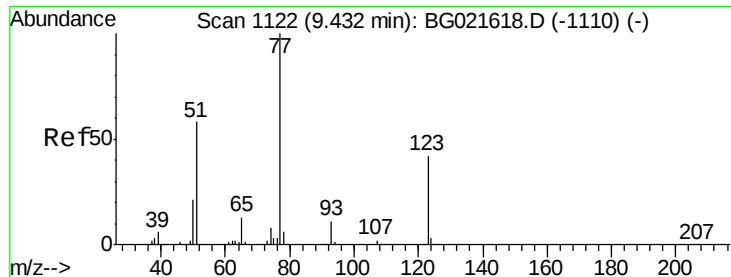
#23
Nitrobenzene-d5
Concen: 76.58 ng
RT: 9.38 min Scan# 1113
Delta R.T. -0.01 min
Lab File: BG021776.D
Acq: 20 Apr 2016 4:54

Tgt Ion:	82	Resp:	176930
Ion	Ratio	Lower	Upper
82	100		
128	43.3	33.4	50.0
54	54.4	46.1	69.1



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





#24

Nitrobenzene

Concen: 8.99 ng

RT: 9.42 min Scan# 1121

Delta R.T. -0.01 min

Lab File: BG021776.D

Acq: 20 Apr 2016 4:54

Instrument :

BNA_G

ClientSampleId :

B-931EB(N)(8)

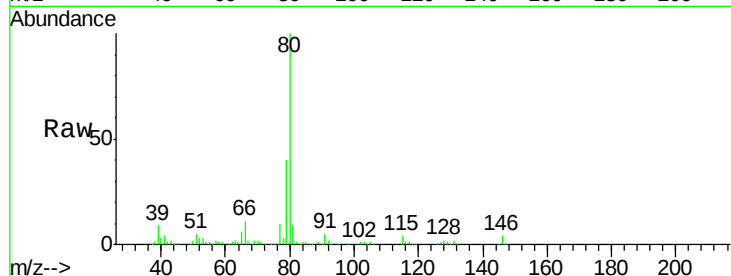
Tgt Ion: 77 Resp: 22244

Ion Ratio Lower Upper

77 100

123 0.0 32.2 48.4#

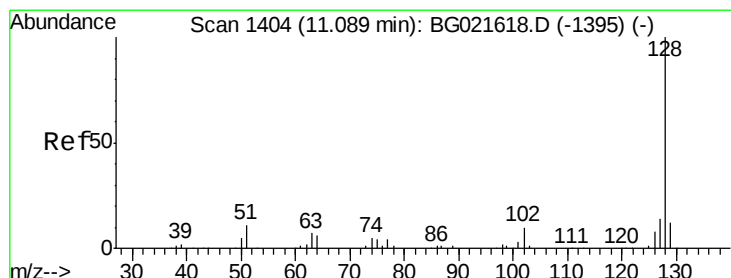
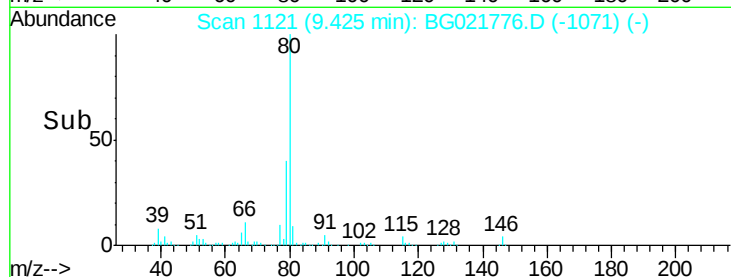
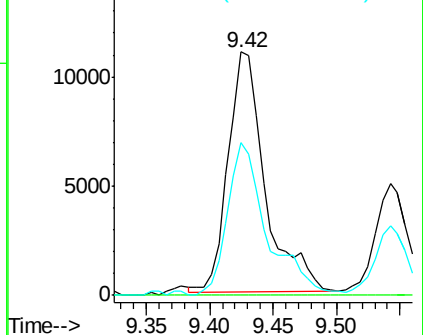
65 62.7 10.3 15.5#



Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 123.00 (122.70 to 123.70): BGC

Ion 65.00 (64.70 to 65.70): BGC



#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

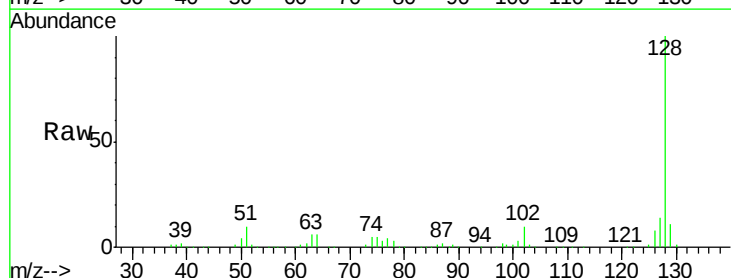
Tgt Ion: 128 Resp: 310513

Ion Ratio Lower Upper

128 100

129 11.1 7.0 10.6#

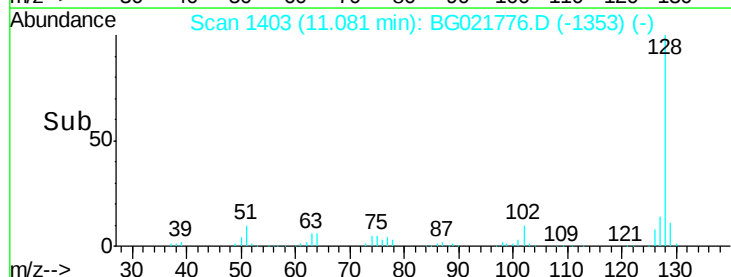
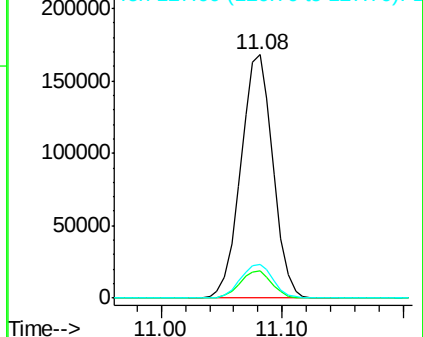
127 13.9 10.1 15.1

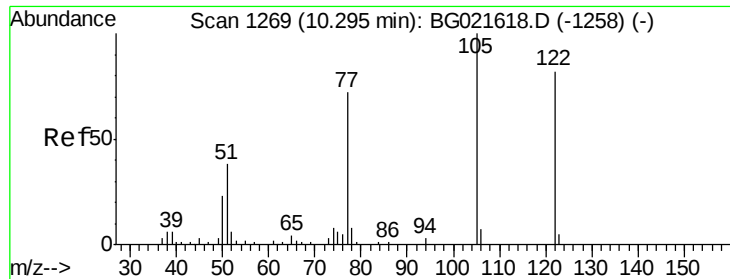


Abundance Ion 128.00 (127.70 to 128.70): BGC

Ion 129.00 (128.70 to 129.70): BGC

Ion 127.00 (126.70 to 127.70): BGC

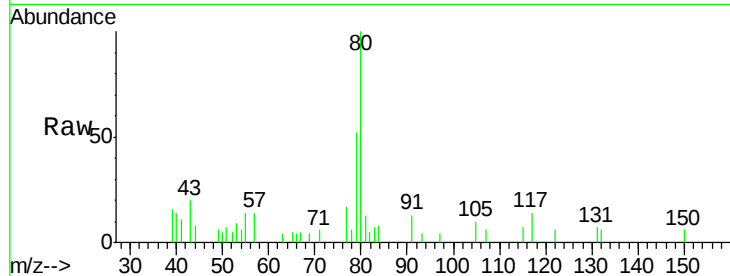




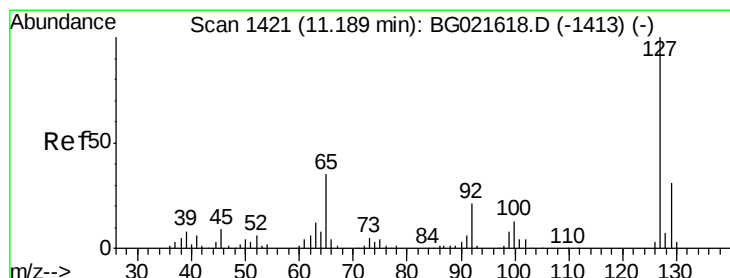
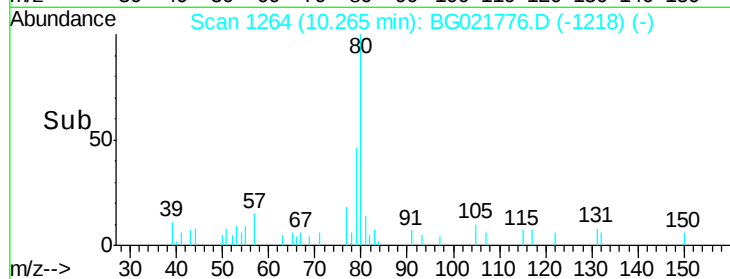
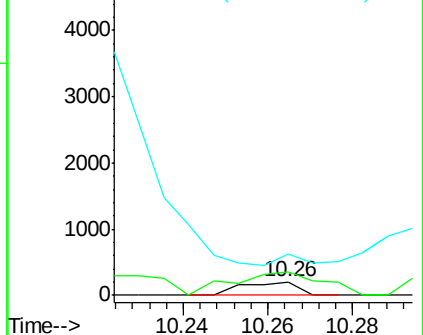
#32
Benzoic acid
Concen: 4.44 ng
RT: 10.26 min Scan# 1264
Delta R.T. -0.03 min
Lab File: BG021776.D
Acq: 20 Apr 2016 4:54

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

Tgt Ion:122 Resp: 183
Ion Ratio Lower Upper
122 100
105 174.0 104.5 144.5#
77 311.0 79.9 119.9#



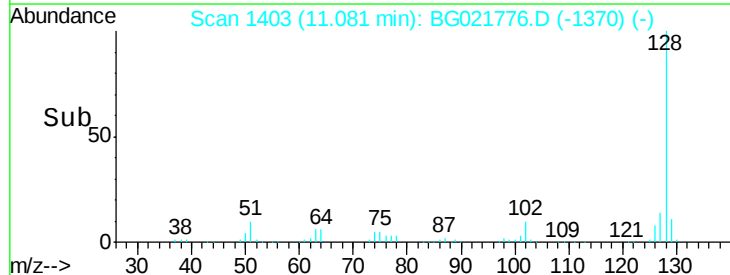
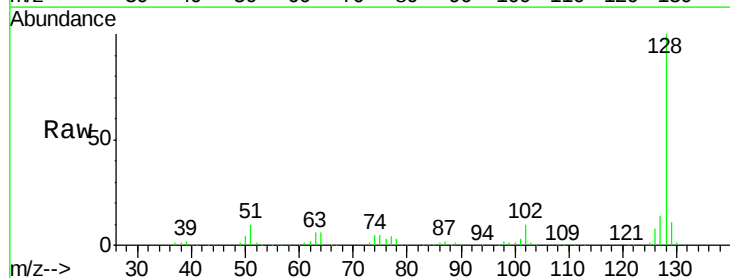
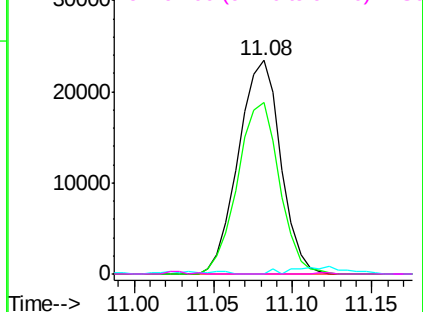
Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BGC

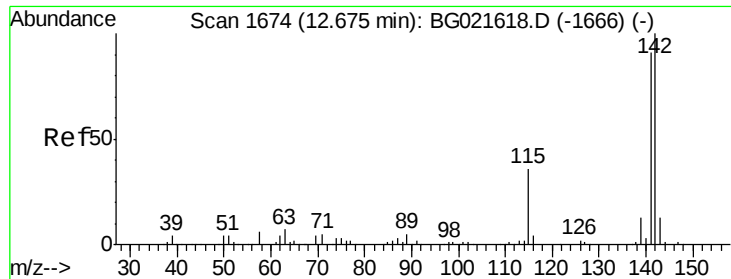


#33
4-Chloroaniline
Concen: 15.75 ng
RT: 11.08 min Scan# 1403
Delta R.T. -0.11 min
Lab File: BG021776.D
Acq: 20 Apr 2016 4:54

Tgt Ion:127 Resp: 43324
Ion Ratio Lower Upper
127 100
129 80.1 26.6 39.8#
65 0.0 27.5 41.3#
92 0.0 14.7 22.1#

Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC

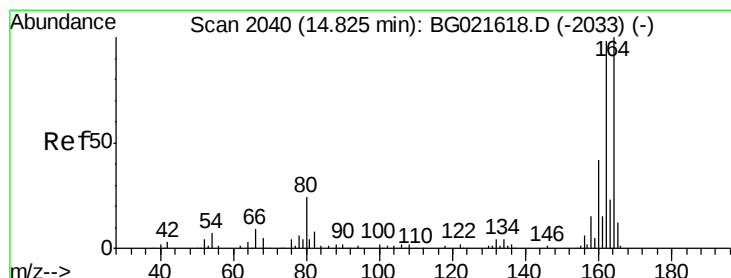
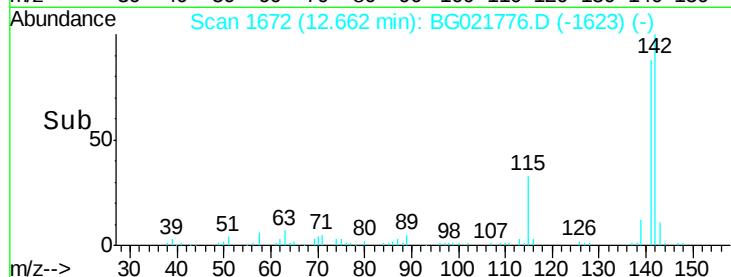
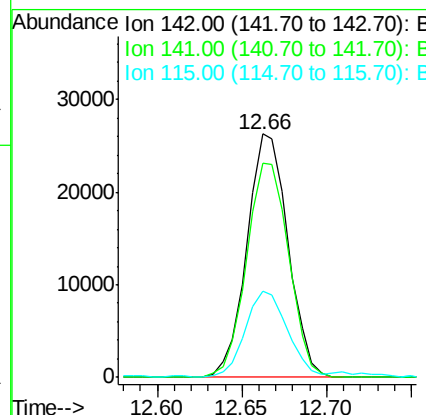
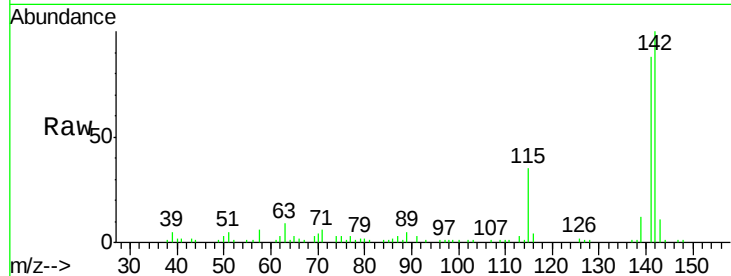




#37
2-Methylnaphthalene
Concen: 10.19 ng
RT: 12.66 min Scan# 1672
Delta R.T. -0.01 min
Lab File: BG021776.D
Acq: 20 Apr 2016 4:54

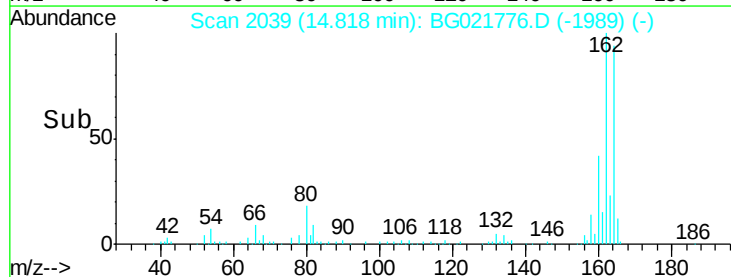
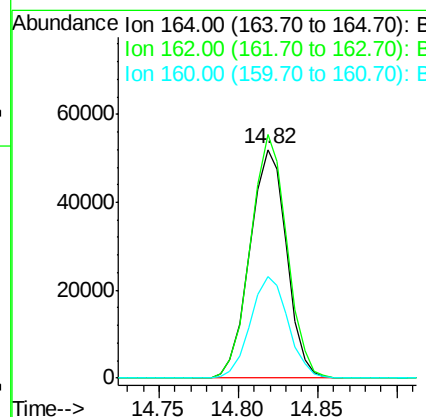
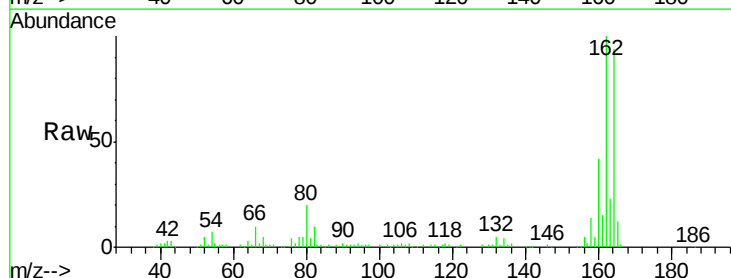
Instrument :
BNA_G
ClientSampleId :
B-931EB(N)(8)

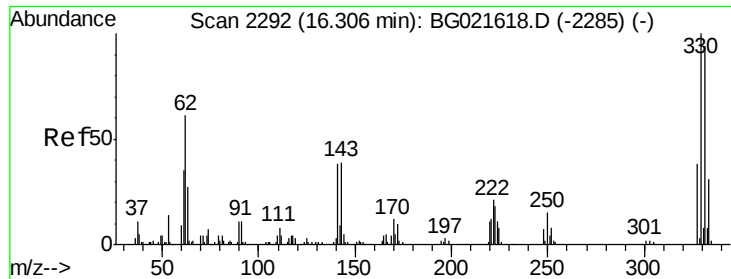
Tgt Ion:142 Resp: 44450
Ion Ratio Lower Upper
142 100
141 88.1 71.4 107.0
115 35.2 27.4 41.2



#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

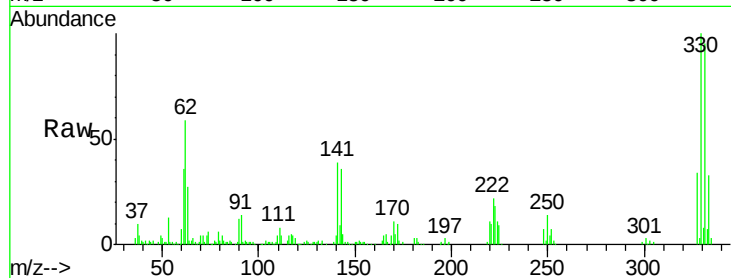




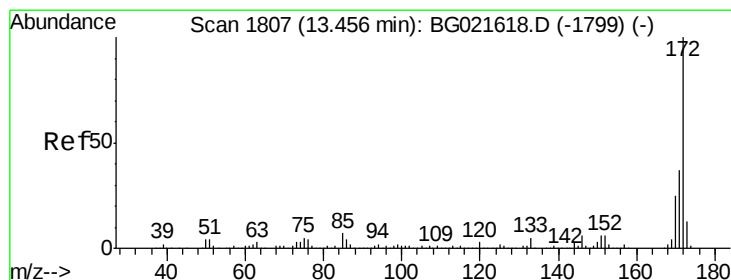
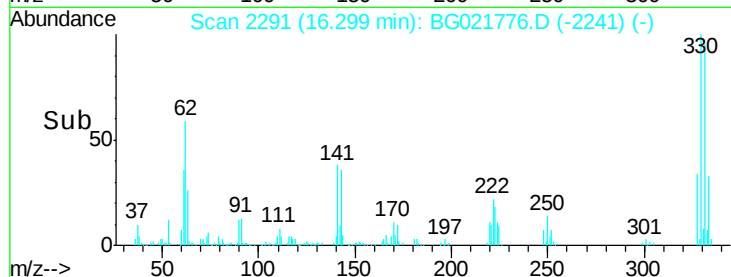
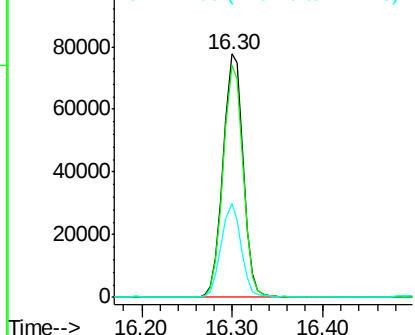
#41
 2,4,6-Tribromophenol
 Concen: 132.71 ng
 RT: 16.30 min Scan# 2291
 Delta R.T. -0.01 min
 Lab File: BG021776.D
 Acq: 20 Apr 2016 4:54

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

Tgt Ion: 330 Resp: 119888
 Ion Ratio Lower Upper
 330 100
 332 94.4 78.0 117.0
 141 38.3 33.8 50.8

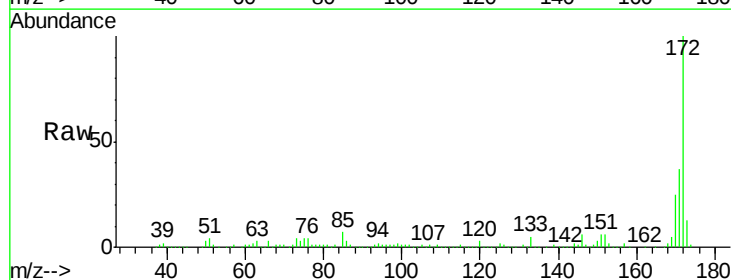


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

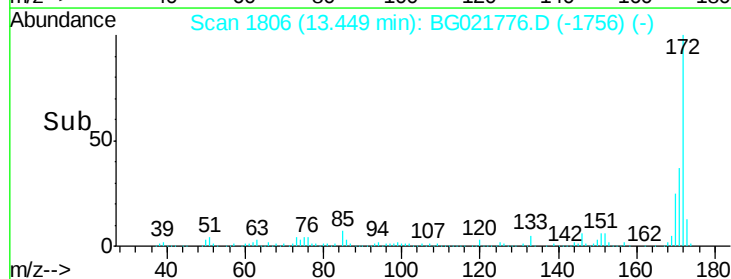
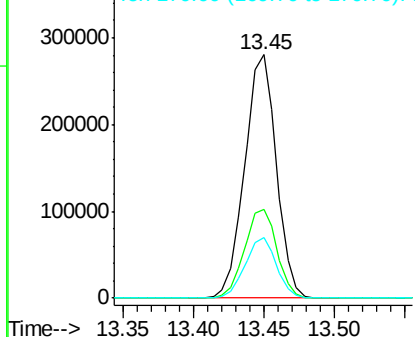


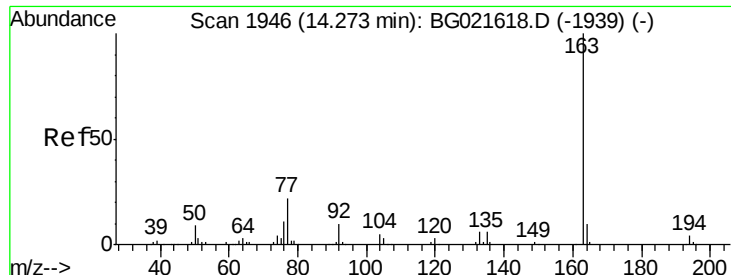
#44
 2-Fluorobiphenyl
 Concen: 77.12 ng
 RT: 13.45 min Scan# 1806
 Delta R.T. -0.01 min
 Lab File: BG021776.D
 Acq: 20 Apr 2016 4:54

Tgt Ion: 172 Resp: 441186
 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)

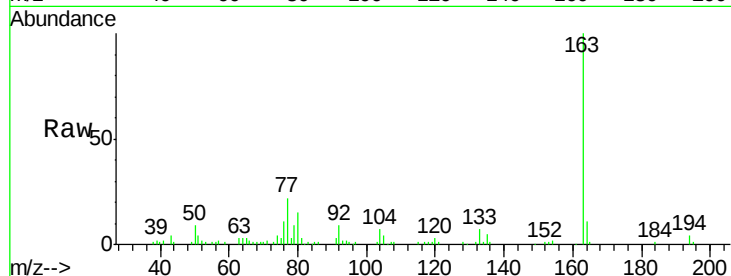
Tgt Ion:163 Resp: 53692

Ion Ratio Lower Upper

163 100

194 3.9 3.0 4.6

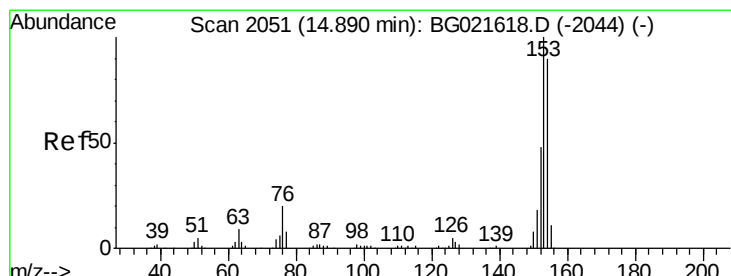
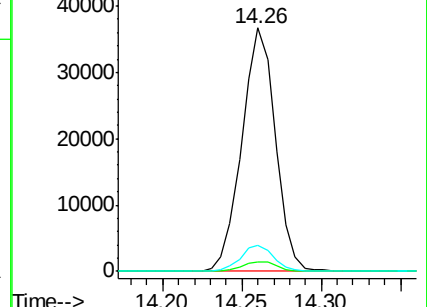
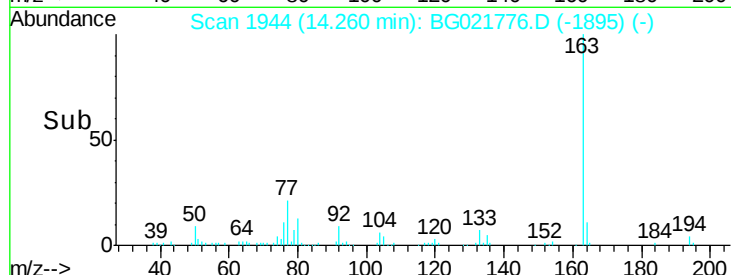
164 10.7 8.1 12.1



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

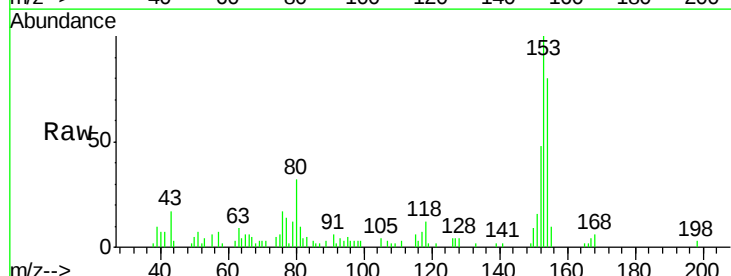
Tgt Ion:154 Resp: 11880

Ion Ratio Lower Upper

154 100

153 124.8 91.9 137.9

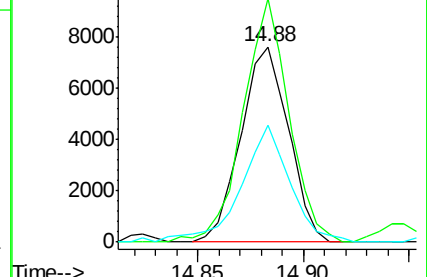
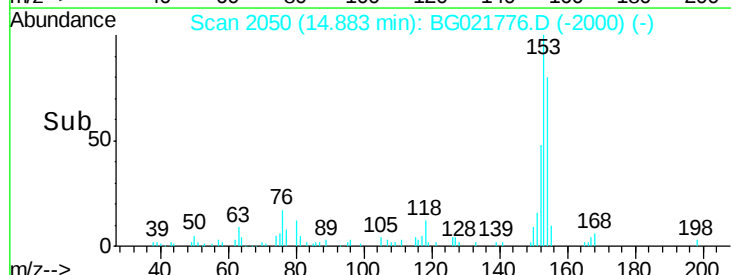
152 60.1 42.0 63.0

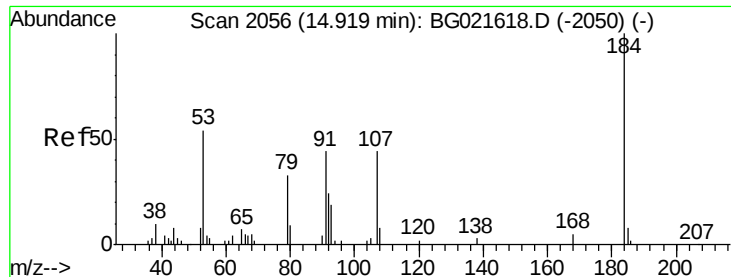


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

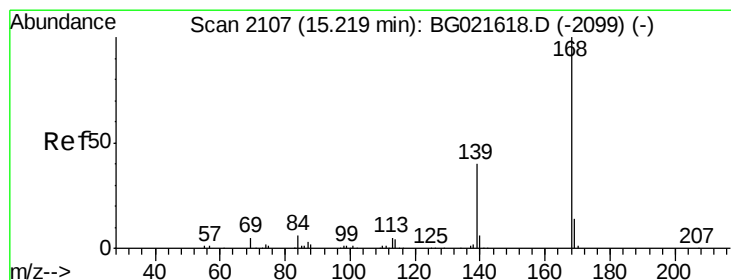
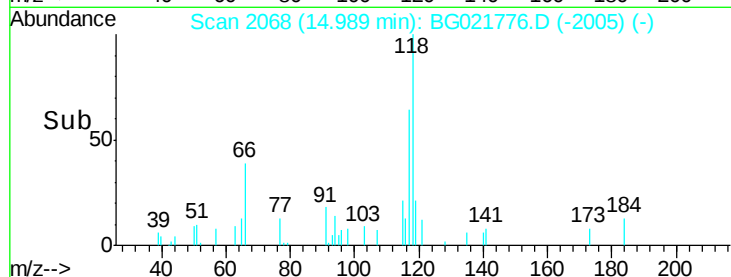
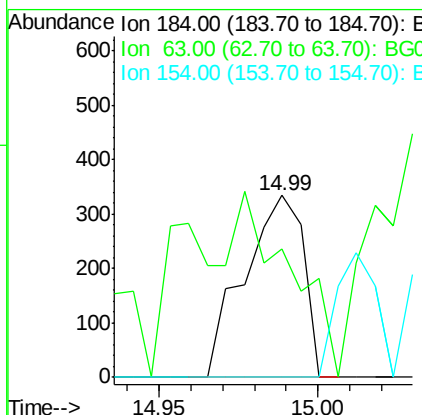
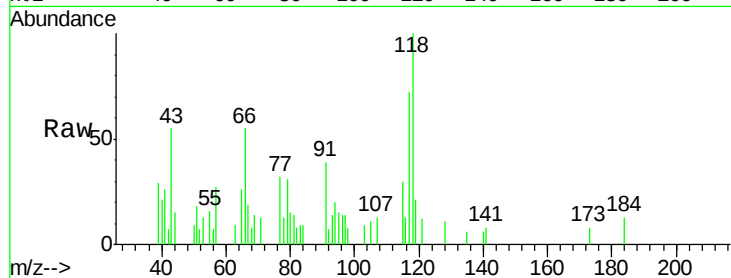




#53
2,4-Dinitrophenol
Concen: 8.19 ng
RT: 14.99 min Scan# 2068
Delta R.T. 0.07 min
Lab File: BG021776.D
Acq: 20 Apr 2016 4:54

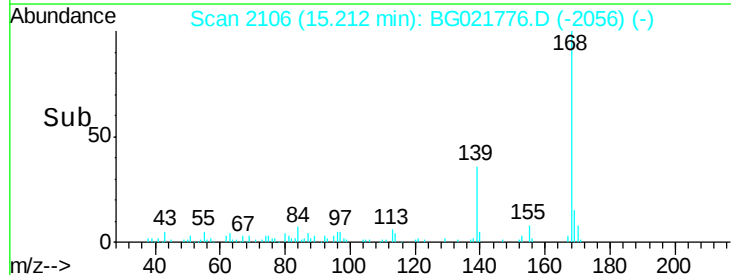
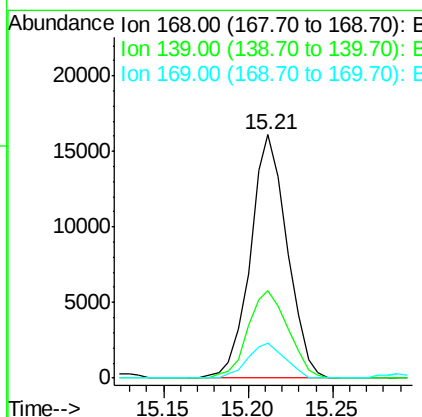
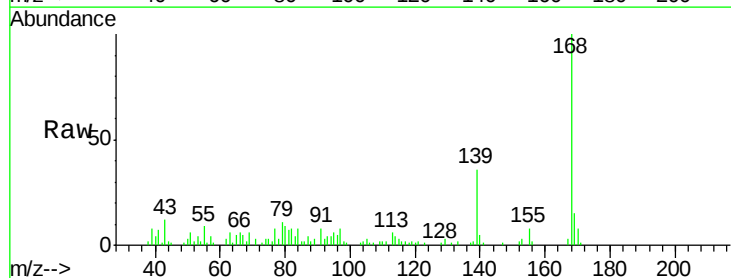
Instrument :
BNA_G
ClientSampleId :
B-931EB(N)(8)

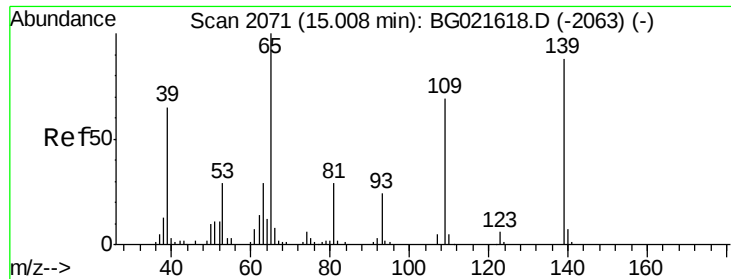
Tgt Ion:184 Resp: 431
Ion Ratio Lower Upper
184 100
63 70.7 57.3 85.9
154 0.0 55.2 82.8#



#54
Dibenzofuran
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

Tgt Ion:168 Resp: 24278
Ion Ratio Lower Upper
168 100
139 36.1 31.1 46.7
169 14.5 11.0 16.6

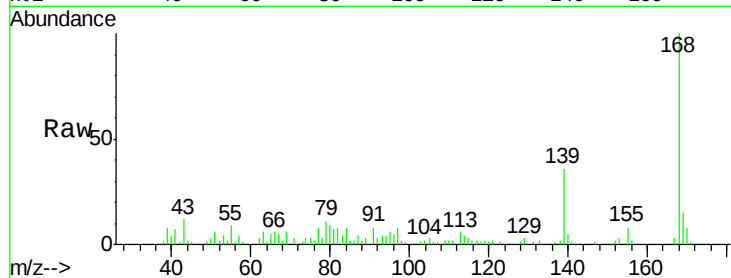




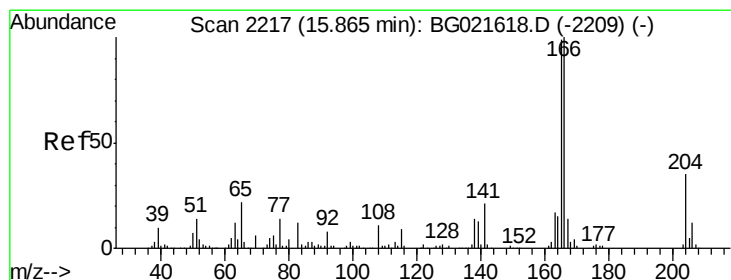
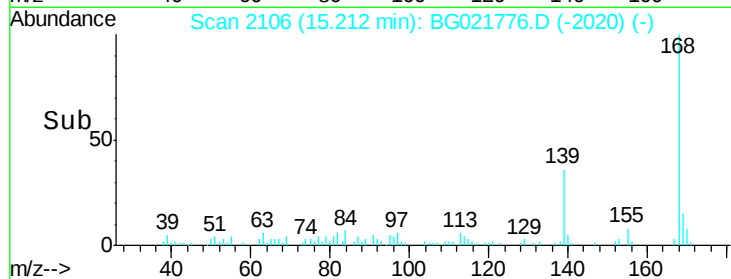
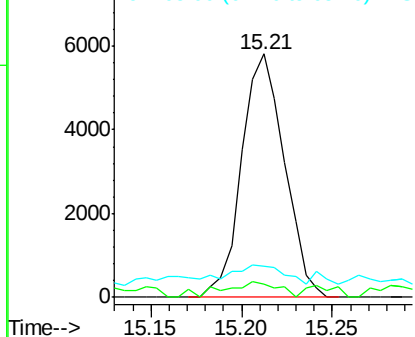
#55
4-Nitrophenol
Concen: 7.26 ng
RT: 15.21 min Scan# 2106
Delta R.T. 0.20 min
Lab File: BG021776.D
Acq: 20 Apr 2016 4:54

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

Tgt Ion:139 Resp: 9528
Ion Ratio Lower Upper
139 100
109 5.6 49.2 89.2#
65 12.7 83.2 123.2#

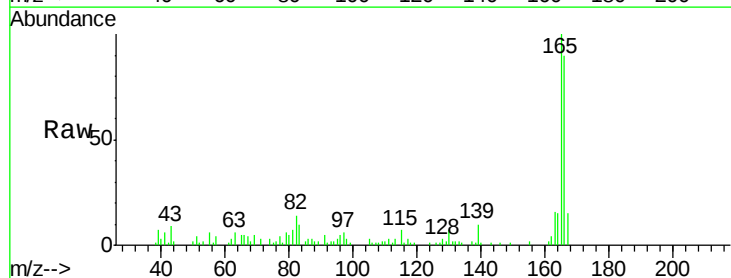


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): B

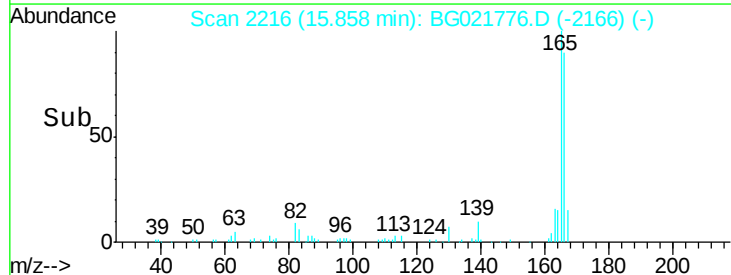
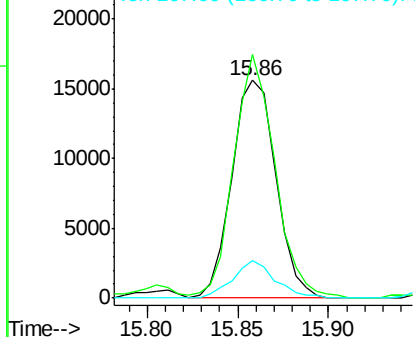


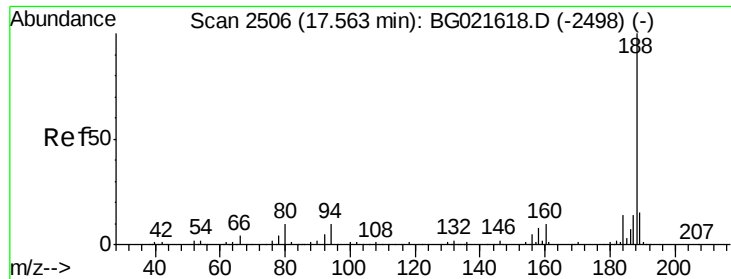
#57
Fluorene
Concen: 3.93 ng
RT: 15.86 min Scan# 2216
Delta R.T. -0.01 min
Lab File: BG021776.D
Acq: 20 Apr 2016 4:54

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

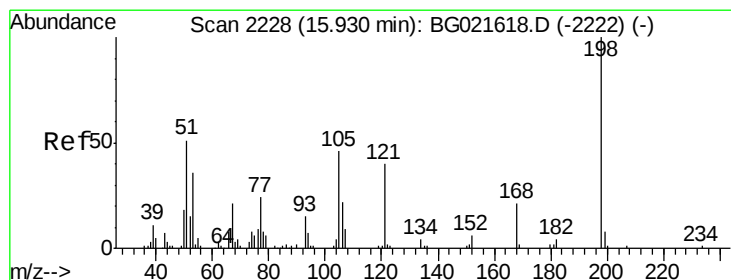
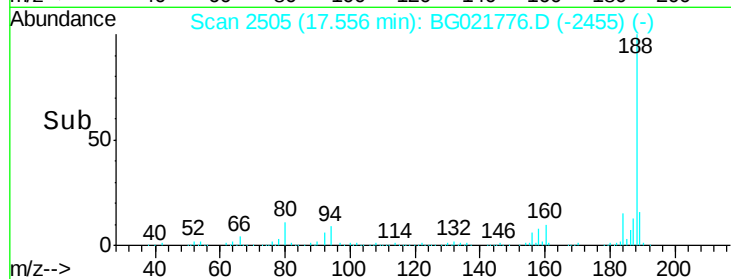
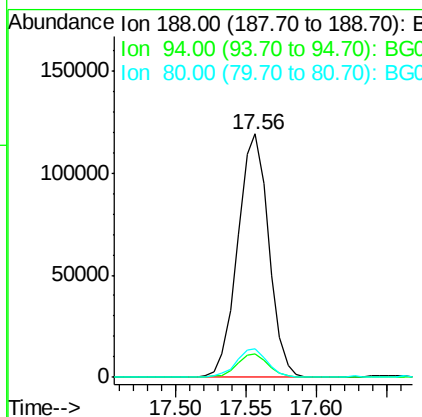
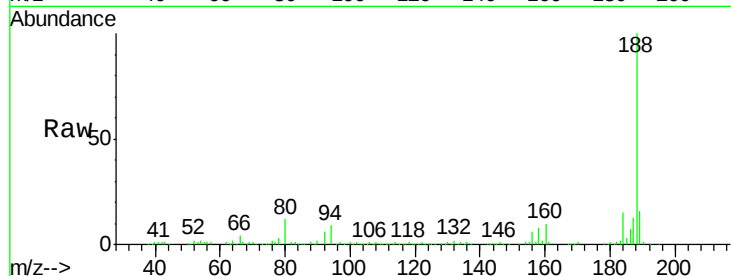




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.56 min Scan# 2505
Delta R.T. -0.01 min
Lab File: BG021776.D
Acq: 20 Apr 2016 4:54

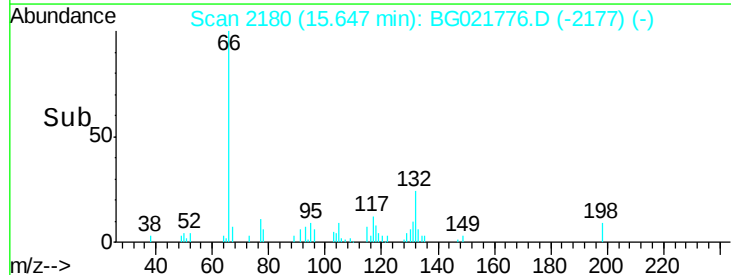
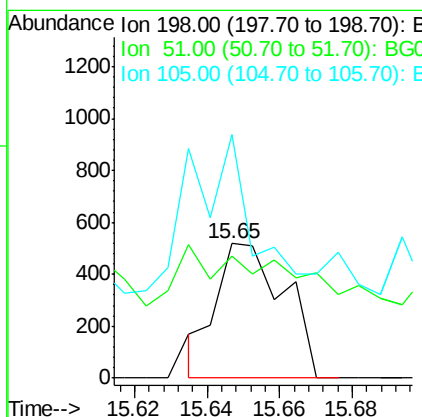
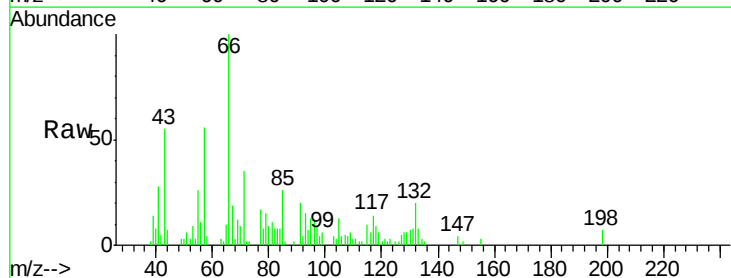
Instrument :
BNA_G
ClientSampleId :
B-931EB(N)(8)

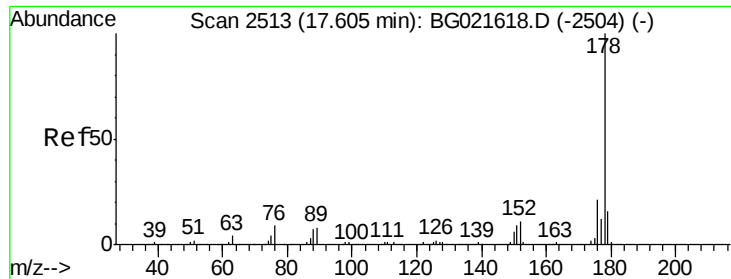
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.4	7.5	11.3
80	11.6	8.6	13.0



#64
4,6-Dinitro-2-methylphenol
Concen: 6.18 ng
RT: 15.65 min Scan# 2180
Delta R.T. -0.28 min
Lab File: BG021776.D
Acq: 20 Apr 2016 4:54

Tgt Ion	Ratio	Lower	Upper
198	100		
51	90.7	29.2	69.2#
105	181.1	24.0	64.0#

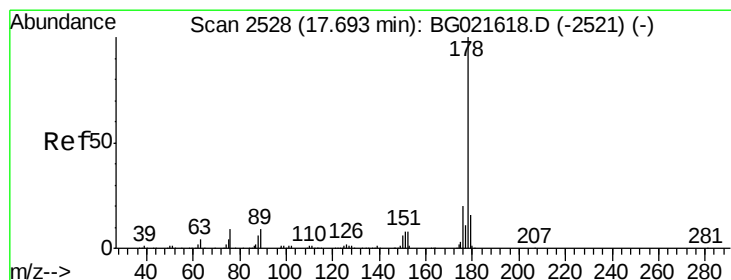
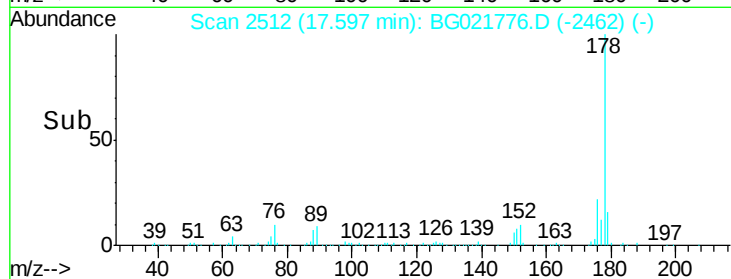
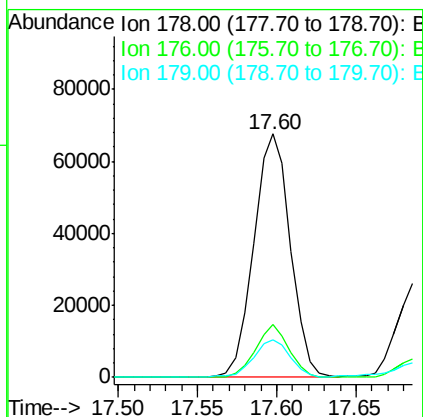
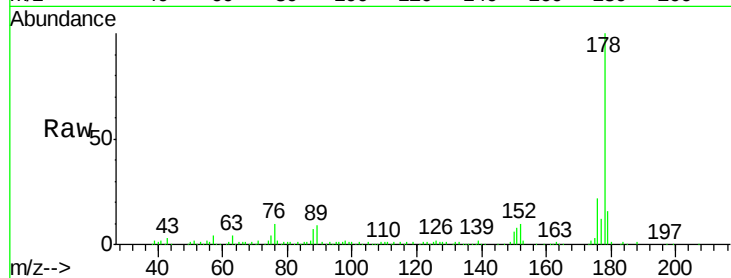




#70
Phenanthrene
Concen: 10.72 ng
RT: 17.60 min Scan# 2512
Delta R.T. -0.01 min
Lab File: BG021776.D
Acq: 20 Apr 2016 4:54

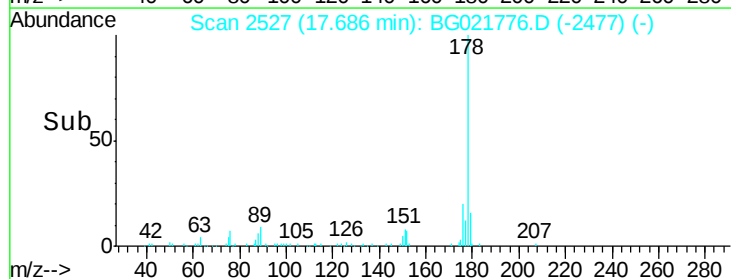
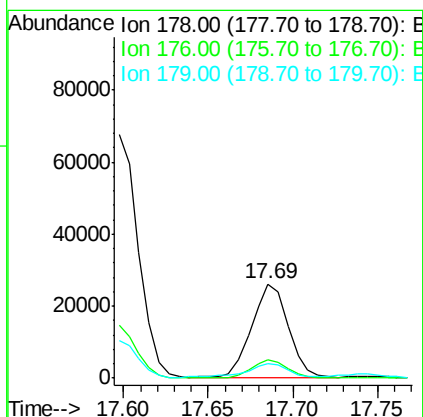
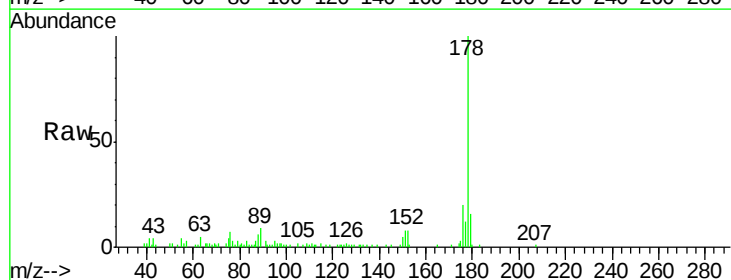
Instrument :
BNA_G
ClientSampleId :
B-931EB(N)(8)

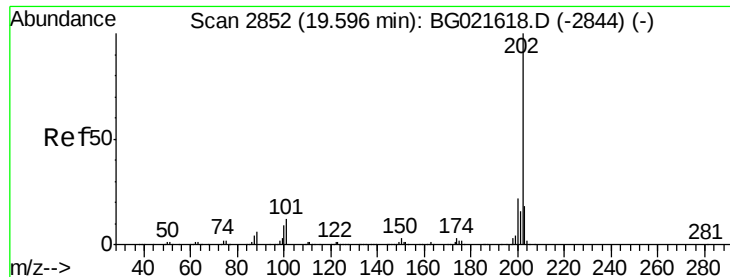
Tgt Ion:178 Resp: 108170
Ion Ratio Lower Upper
178 100
176 21.5 16.2 24.4
179 15.6 12.0 18.0



#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

Tgt Ion:178 Resp: 39171
Ion Ratio Lower Upper
178 100
176 19.8 15.0 22.4
179 15.9 12.2 18.4





#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

Instrument :

BNA_G

ClientSampleId :

B-931EB(N)(8)

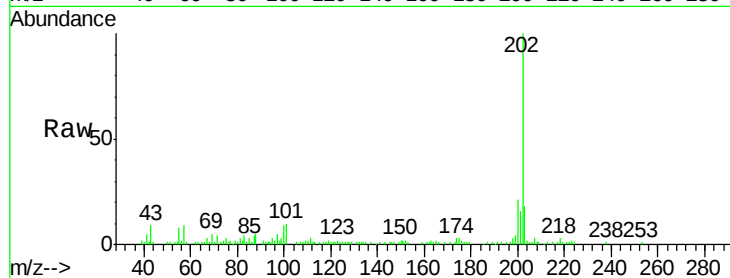
Tgt Ion:202 Resp: 44908

Ion Ratio Lower Upper

202 100

101 10.3 0.0 31.0

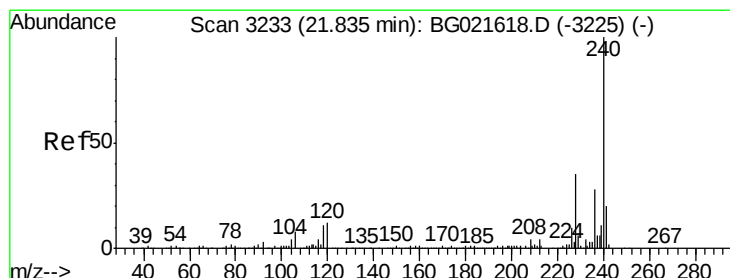
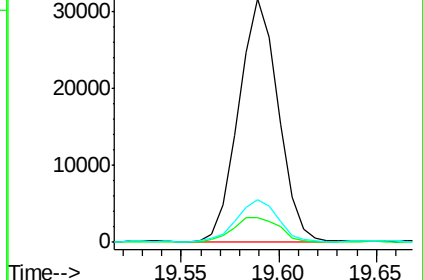
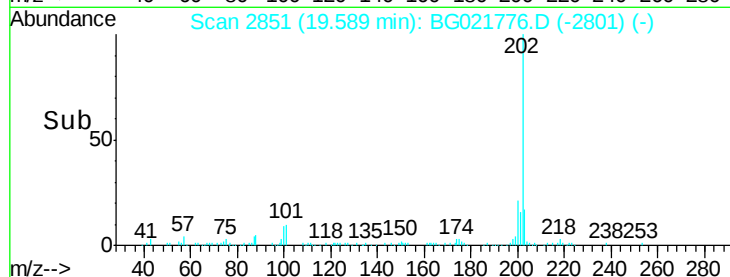
203 17.6 0.0 37.9



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# 3232

Delta R.T. -0.01 min

Lab File: BG021776.D

Acq: 20 Apr 2016 4:54

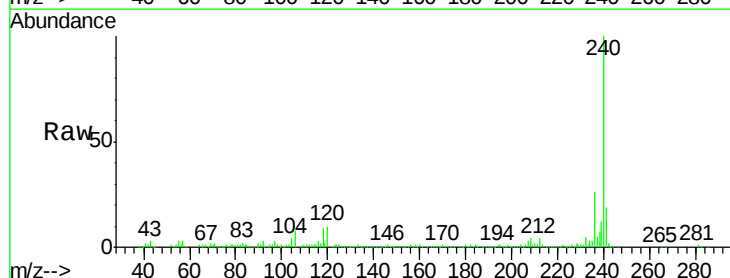
Tgt Ion:240 Resp: 202297

Ion Ratio Lower Upper

240 100

120 9.7 8.4 12.6

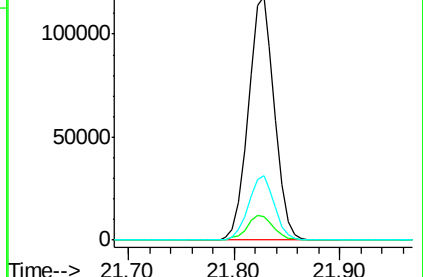
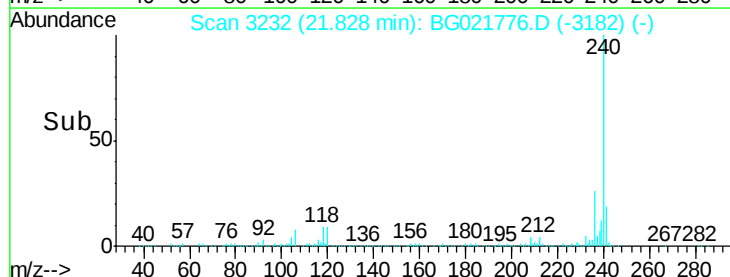
236 26.2 19.6 29.4

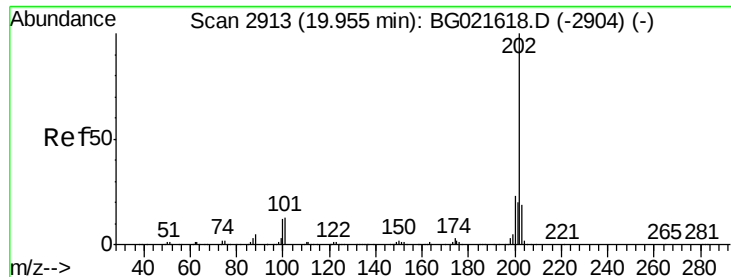


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 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

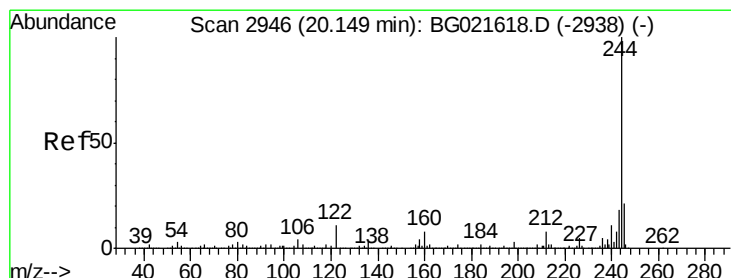
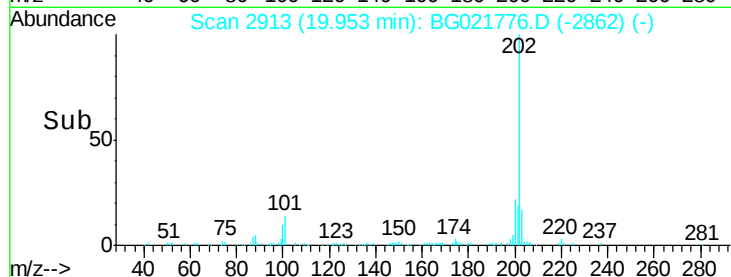
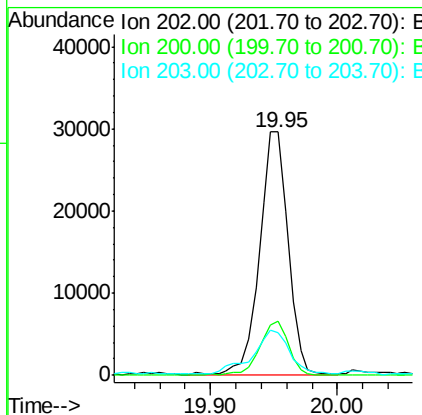
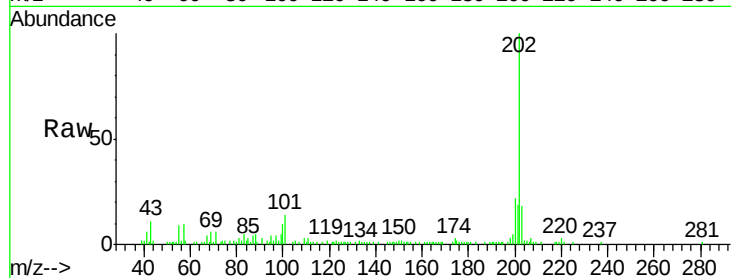
Instrument :

BNA_G

ClientSampleId :

B-931EB(N)(8)

Tgt Ion:	202	Resp:	46944
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

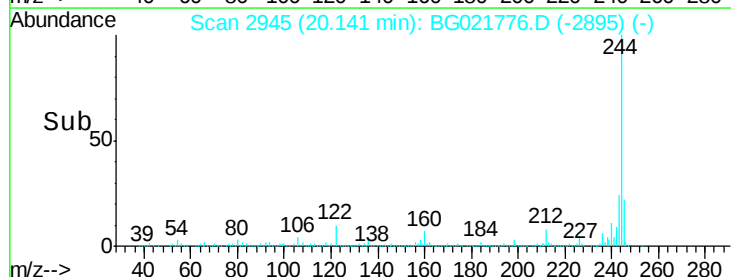
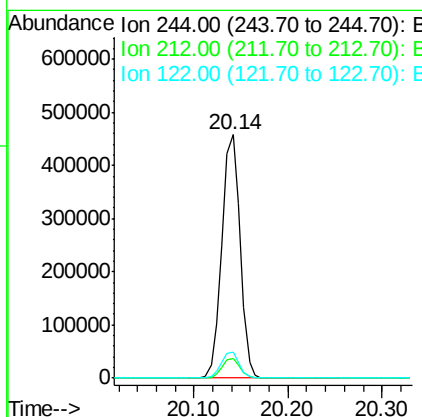
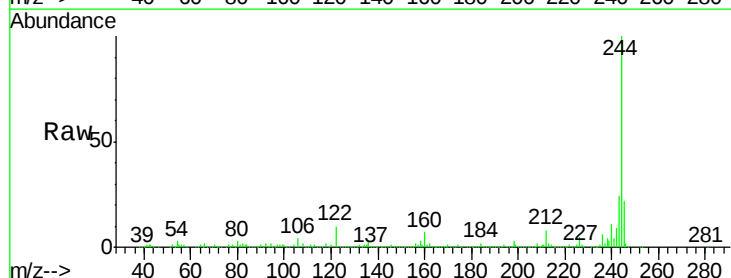
RT: 20.14 min Scan# 2945

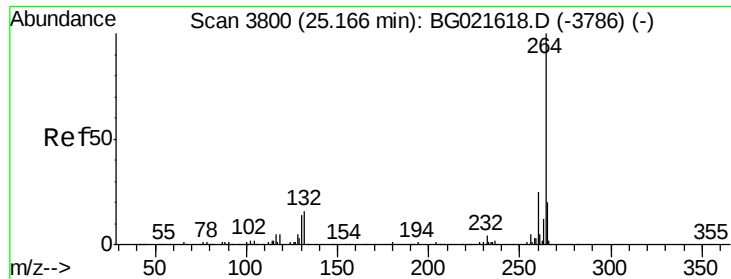
Delta R.T. -0.01 min

Lab File: BG021776.D

Acq: 20 Apr 2016 4:54

Tgt Ion:	244	Resp:	622421
Ion Ratio	Lower	Upper	
244	100		
212	8.1	6.5	9.7
122	10.4	8.6	12.8





#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

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

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	20.2	30.4
265	21.4	17.8	26.8

