

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG010516\
 Data File : BG020657.D
 Acq On : 5 Jan 2016 15:47
 Operator : UM/SJ
 Sample : G4846-18RE
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N64

Quant Time: Jan 06 00:31:51 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jan 06 00:15:22 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	15252	20.00	ng/ul	0.00
18) Naphthalene-d8	10.88	136	69531	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.69	164	53353	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.44	188	138607	20.00	ng/ul	0.00
78) Chrysene-d12	21.70	240	166659	20.00	ng/ul	0.00
86) Perylene-d12	24.95	264	156844	20.00	ng/ul	-0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.41	96	588	2.31	ng/uL	0.00
5) Phenol-d5	7.21	99	11742	9.11	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.37	67	26890	34.52	ng/ul	0.00
9) 2-Chlorophenol-d4	7.58	132	29408	29.86	ng/ul	0.00
13) 4-Methylphenol-d8	8.76	113	22254	20.13	ng/ul	0.00
19) Nitrobenzene-d5	9.22	128	19119	35.59	ng/ul	0.00
22) 2-Nitrophenol-d4	9.95	143	23083	37.02	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.49	165	38591	32.58	ng/ul	0.00
29) 4-Chloroaniline-d4	11.02	131	179	0.13	ng/ul	0.01
44) Dimethylphthalate-d6	14.09	166	161942	37.09	ng/ul	0.00
47) Acenaphthylene-d8	14.38	160	177208	35.73	ng/ul	0.00
52) 4-Nitrophenol-d4	14.89	143	5073	7.41	ng/ul	0.00
58) Fluorene-d10	15.68	176	142806	36.08	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.81	200	23555	28.02	ng/ul	0.00
71) Anthracene-d10	17.54	188	236932	36.69	ng/ul	0.00
79) Pyrene-d10	19.82	212	278147	37.21	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.74	264	301427	38.52	ng/ul	0.00

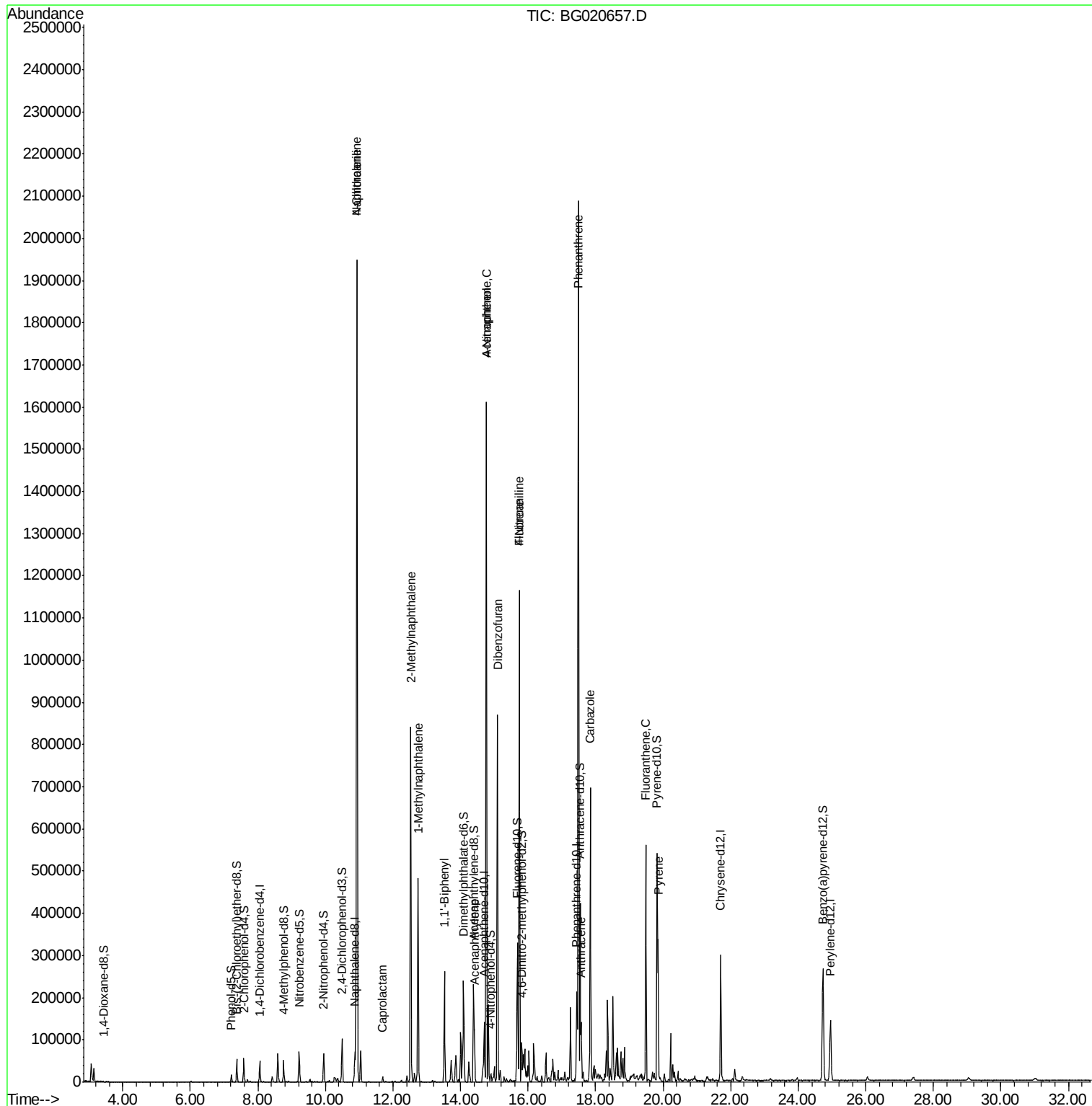
Target Compounds

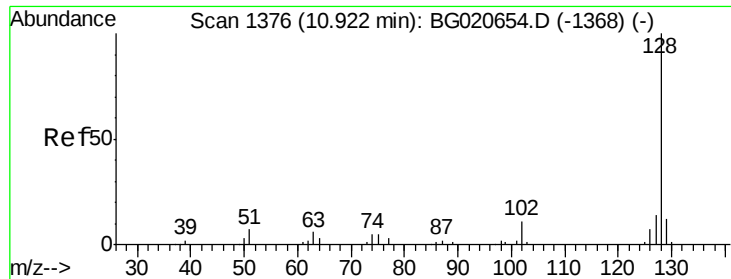
						Qvalue
28) Naphthalene	10.93	128	1702239	462.29	ng/ul#	94
30) 4-Chloroaniline	10.93	127	256842	177.76	ng/ul#	9
32) Caprolactam	11.69	113	722	1.72	ng/ul#	1
34) 2-Methylnaphthalene	12.53	142	395496	143.54	ng/ul	99
35) 1-Methylnaphthalene	12.74	142	226519	85.18	ng/ul	100
41) 1,1'-Biphenyl	13.53	154	142794	35.57	ng/ul	99
48) Acenaphthylene	14.41	152	65822	12.46	ng/ul	98
50) Acenaphthene	14.76	153	718185	200.92	ng/ul	98
53) 4-Nitrophenol	14.76	109	1400	2.32	ng/ul#	1
54) Dibenzofuran	15.09	168	585656	108.42	ng/ul	100
59) Fluorene	15.74	166	538156	123.85	ng/ul	99
61) 4-Nitroaniline	15.74	138	6882	7.48	ng/ul#	14
70) Phenanthrene	17.49	178	1386007	183.93	ng/ul	94
72) Anthracene	17.57	178	93147	12.09	ng/ul	97
75) Carbazole	17.84	167	467258	71.84	ng/ul	98
77) Fluoranthene	19.48	202	364405	39.58	ng/ul	99
80) Pyrene	19.85	202	210268	21.78	ng/ul	99

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

```
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Sample    : G4846-18RE  
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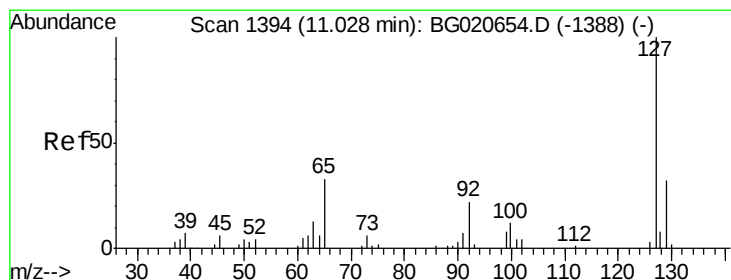
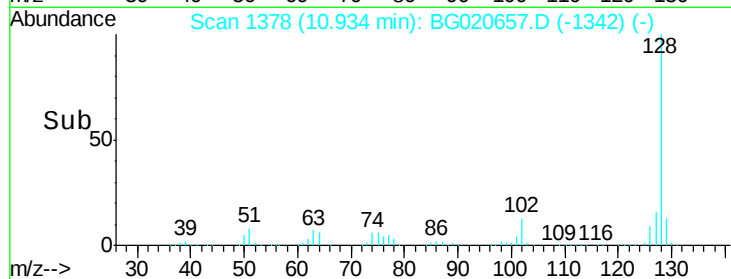
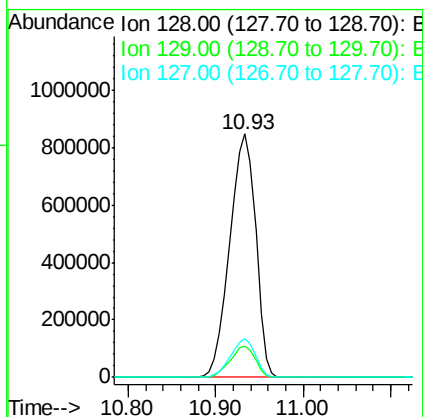
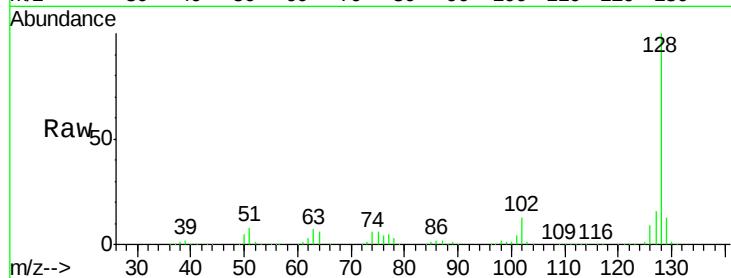




#28
Naphthalene
Concen: 462.29 ng/ul
RT: 10.93 min Scan# 1378
Delta R.T. 0.01 min
Lab File: BG020657.D
Acq: 5 Jan 2016 15:47

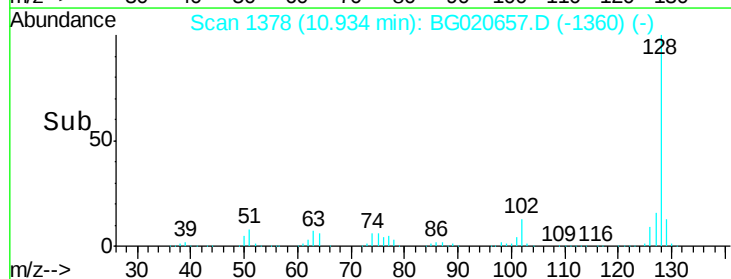
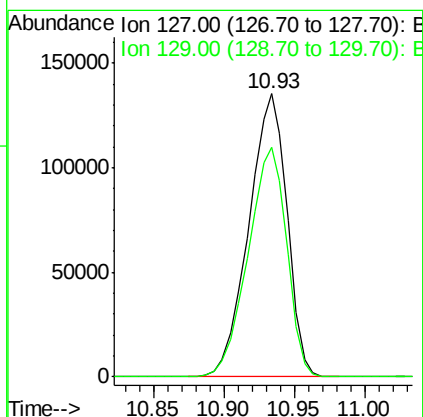
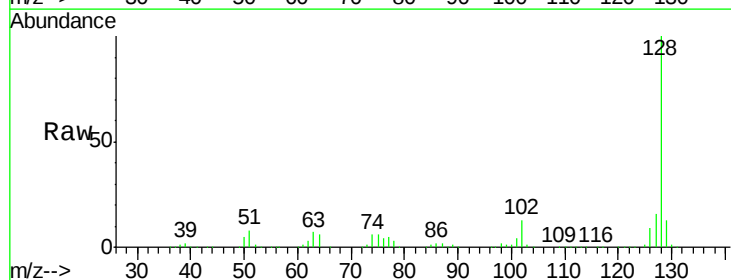
Instrument :
BNA_G
ClientSampleId :
D9N64

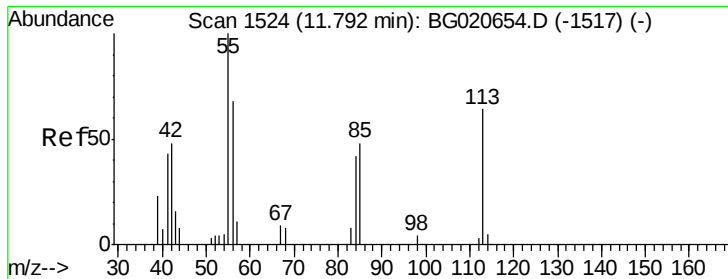
Tgt Ion:128 Resp: 1702239
Ion Ratio Lower Upper
128 100
129 12.9 8.3 12.5#
127 16.0 10.8 16.2



#30
4-Chloroaniline
Concen: 177.76 ng/ul
RT: 10.93 min Scan# 1378
Delta R.T. -0.09 min
Lab File: BG020657.D
Acq: 5 Jan 2016 15:47

Tgt Ion:127 Resp: 256842
Ion Ratio Lower Upper
127 100
129 80.9 24.6 37.0#





#32

Caprolactam

Concen: 1.72 ng/ul

RT: 11.69 min Scan# 1507

Delta R.T. -0.10 min

Lab File: BG020657.D

Acq: 5 Jan 2016 15:47

Instrument :

BNA_G

ClientSampleId :

D9N64

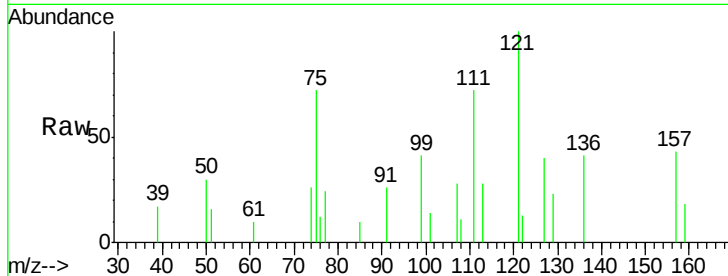
Tgt Ion:113 Resp: 722

Ion Ratio Lower Upper

113 100

55 0.0 131.7 197.5#

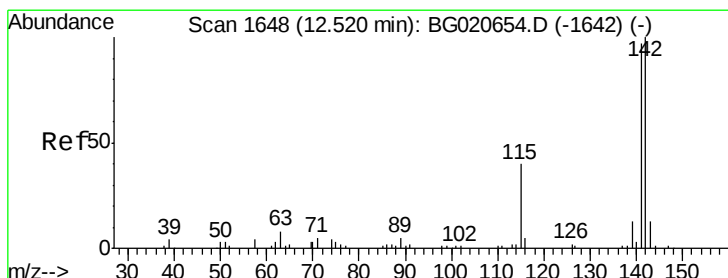
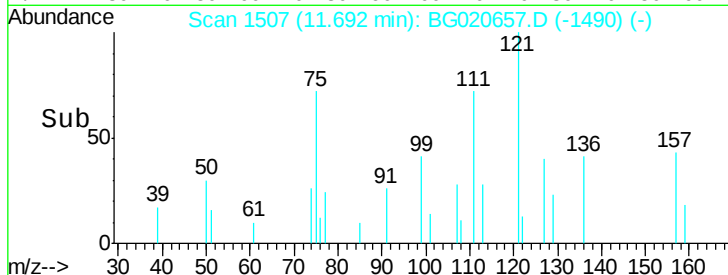
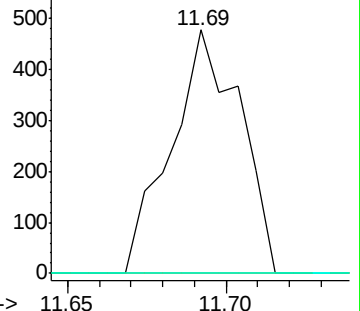
56 0.0 92.7 139.1#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BGC

Ion 56.00 (55.70 to 56.70): BGC



#34

2-Methylnaphthalene

Concen: 143.54 ng/ul

RT: 12.53 min Scan# 1649

Delta R.T. 0.01 min

Lab File: BG020657.D

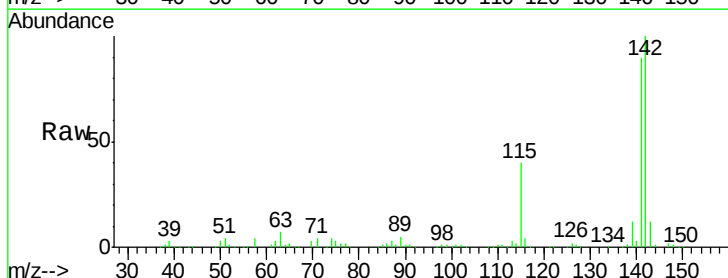
Acq: 5 Jan 2016 15:47

Tgt Ion:142 Resp: 395496

Ion Ratio Lower Upper

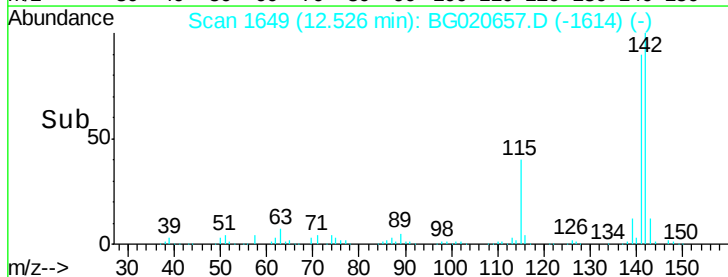
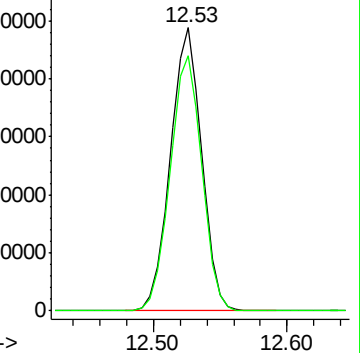
142 100

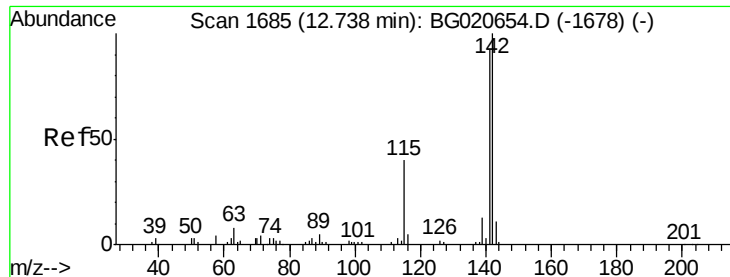
141 90.1 71.4 107.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

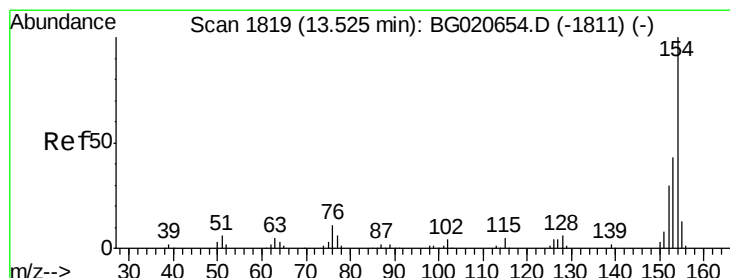
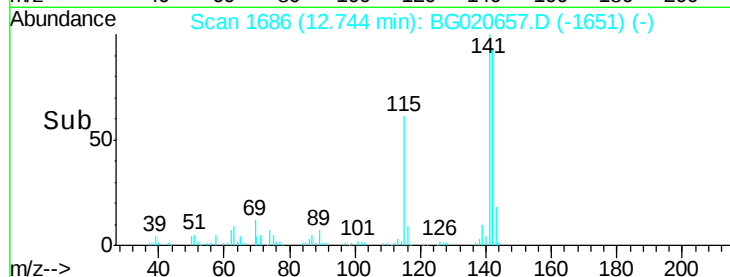
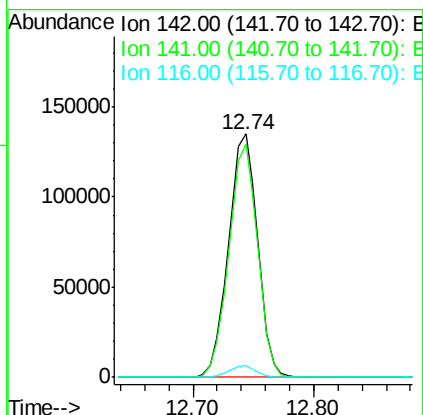
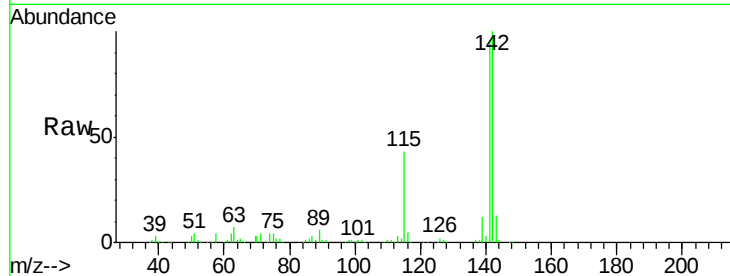




#35
 1-Methylnaphthalene
 Concen: 85.18 ng/ul
 RT: 12.74 min Scan# 1686
 Delta R.T. 0.01 min
 Lab File: BG020657.D
 Acq: 5 Jan 2016 15:47

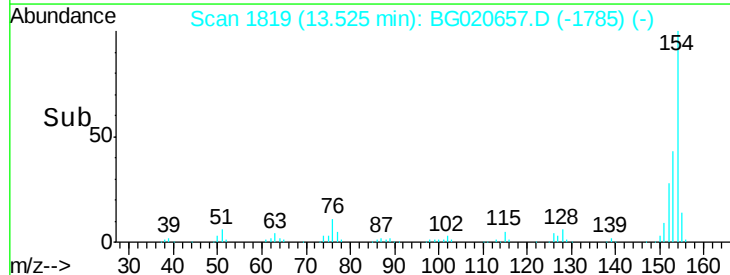
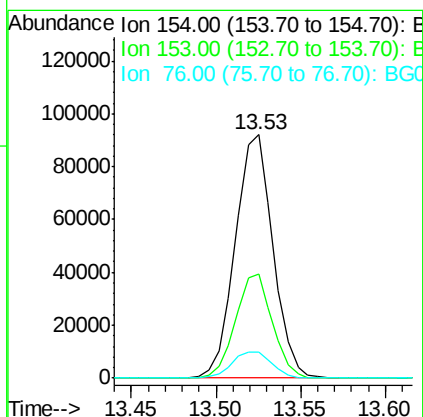
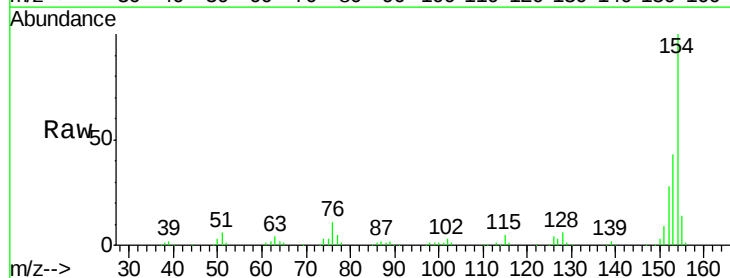
Instrument :
 BNA_G
 ClientSampleId :
 D9N64

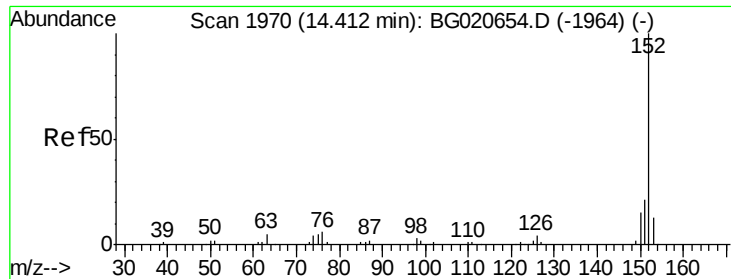
Tgt Ion:142 Resp: 226519
 Ion Ratio Lower Upper
 142 100
 141 95.9 76.6 115.0
 116 4.8 3.6 5.4



#41
 1,1'-Biphenyl
 Concen: 35.57 ng/ul
 RT: 13.53 min Scan# 1819
 Delta R.T. 0.00 min
 Lab File: BG020657.D
 Acq: 5 Jan 2016 15:47

Tgt Ion:154 Resp: 142794
 Ion Ratio Lower Upper
 154 100
 153 42.9 34.0 51.0
 76 10.6 8.4 12.6





#48

Acenaphthylene

Concen: 12.46 ng/ul

RT: 14.41 min Scan# 1970

Delta R.T. 0.00 min

Lab File: BG020657.D

Acq: 5 Jan 2016 15:47

Instrument :

BNA_G

ClientSampled :

D9N64

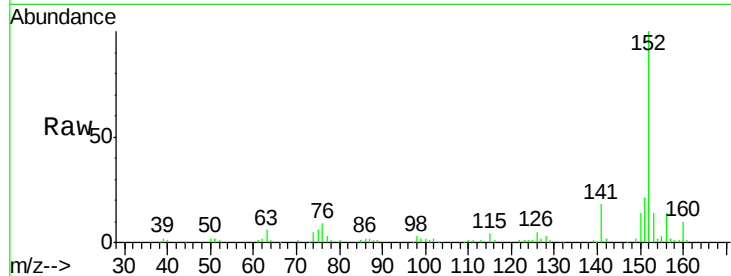
Tgt Ion:152 Resp: 65822

Ion Ratio Lower Upper

152 100

151 21.5 16.1 24.1

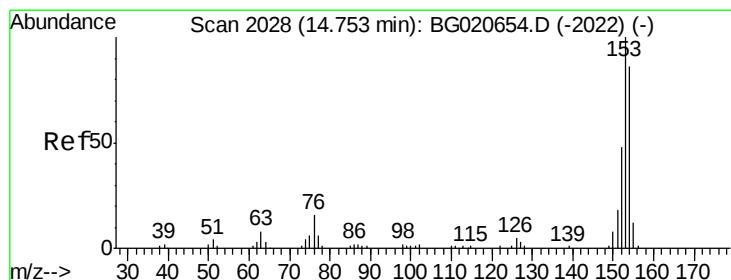
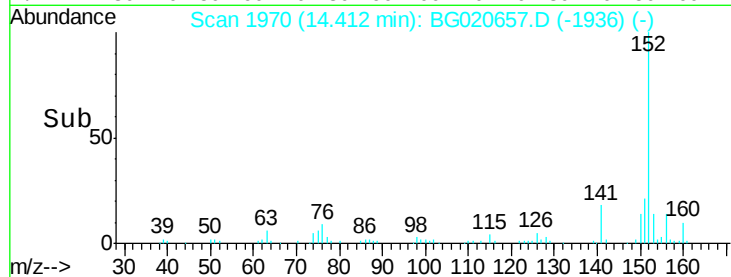
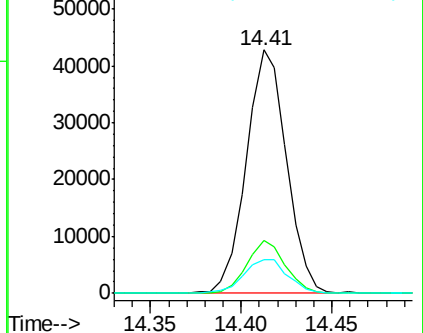
153 13.6 10.8 16.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Acenaphthene

Concen: 200.92 ng/ul

RT: 14.76 min Scan# 2030

Delta R.T. 0.01 min

Lab File: BG020657.D

Acq: 5 Jan 2016 15:47

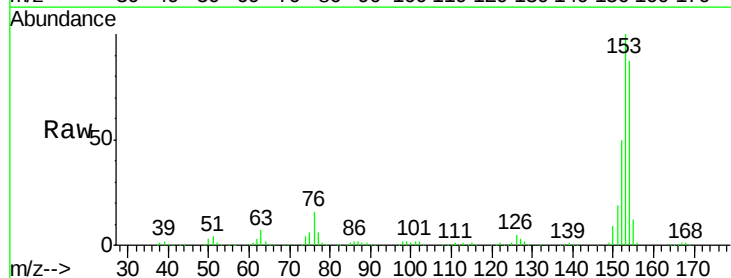
Tgt Ion:153 Resp: 718185

Ion Ratio Lower Upper

153 100

152 49.8 37.9 56.9

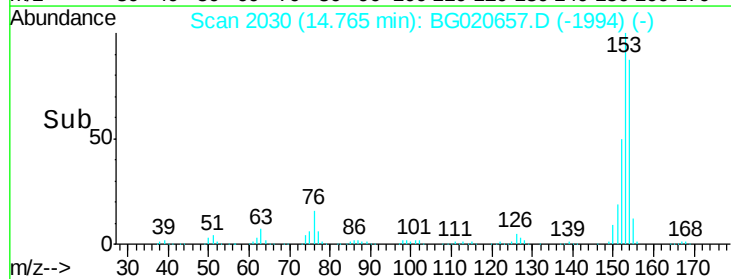
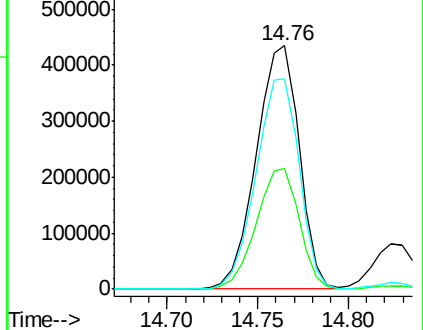
154 86.6 69.8 104.6

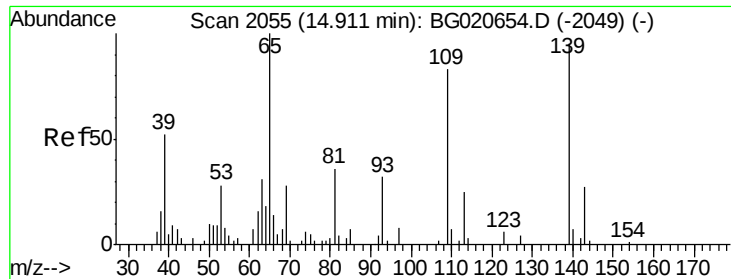


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#53

4-Nitrophenol

Concen: 2.32 ng/ul

RT: 14.76 min Scan# 2029

Delta R.T. -0.15 min

Lab File: BG020657.D

Acq: 5 Jan 2016 15:47

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ClientSampleId :

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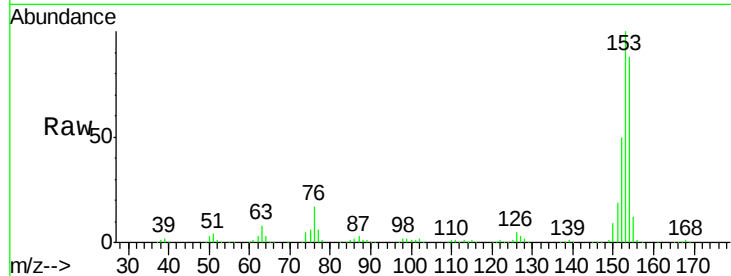
Tgt Ion:109 Resp: 1400

Ion Ratio Lower Upper

109 100

139 383.5 91.2 136.8#

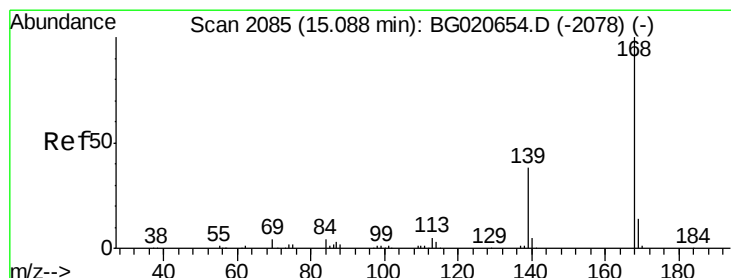
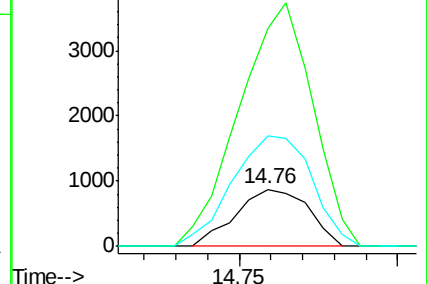
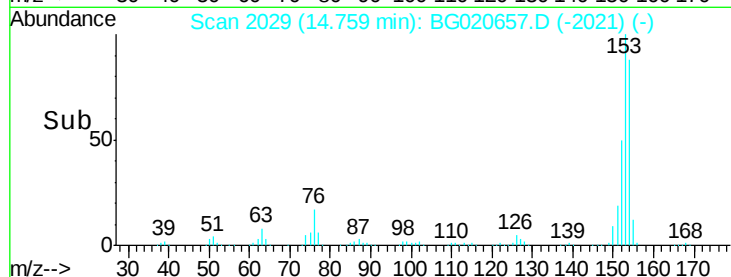
65 194.7 92.6 139.0#



Abundance Ion 109.00 (108.70 to 109.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 65.00 (64.70 to 65.70): B



#54

Dibenzofuran

Concen: 108.42 ng/ul

RT: 15.09 min Scan# 2086

Delta R.T. 0.01 min

Lab File: BG020657.D

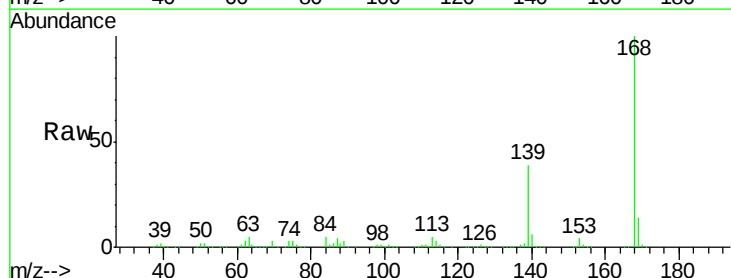
Acq: 5 Jan 2016 15:47

Tgt Ion:168 Resp: 585656

Ion Ratio Lower Upper

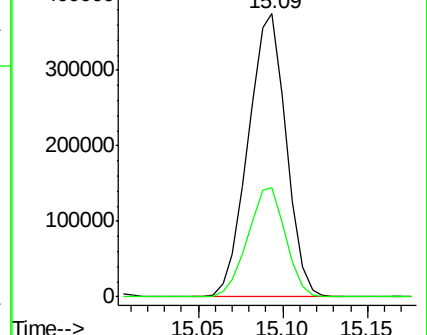
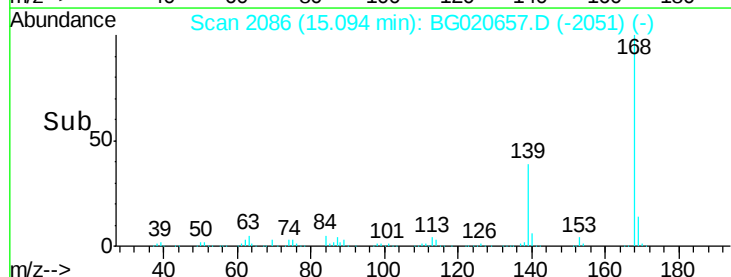
168 100

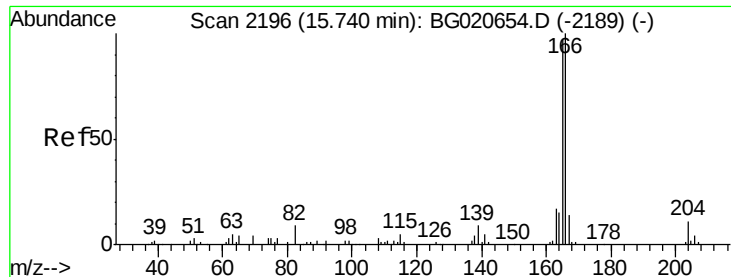
139 38.7 31.0 46.4



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#59

Fluorene

Concen: 123.85 ng/ul

RT: 15.74 min Scan# 2196

Delta R.T. 0.00 min

Lab File: BG020657.D

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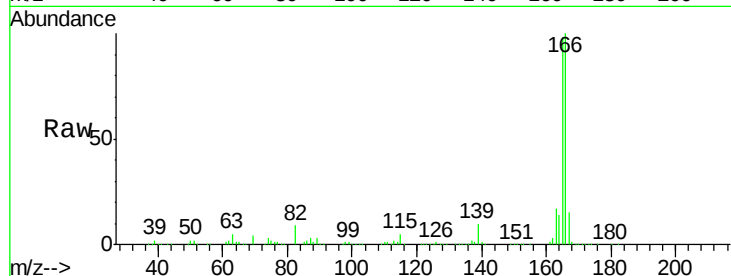
Tgt Ion:166 Resp: 538156

Ion Ratio Lower Upper

166 100

165 98.4 78.4 117.6

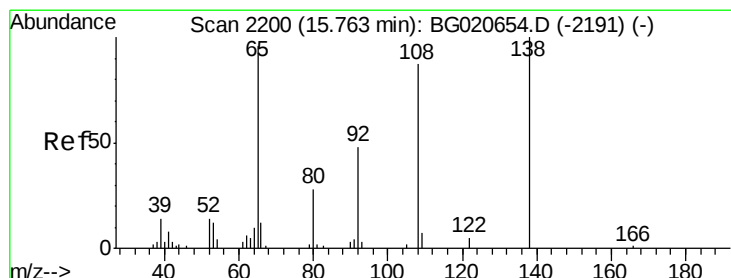
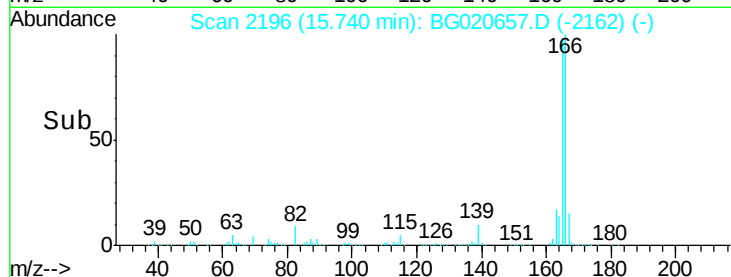
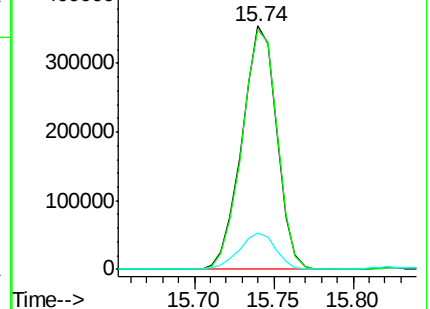
167 14.7 11.1 16.7



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



#61

4-Nitroaniline

Concen: 7.48 ng/ul

RT: 15.74 min Scan# 2196

Delta R.T. -0.02 min

Lab File: BG020657.D

Acq: 5 Jan 2016 15:47

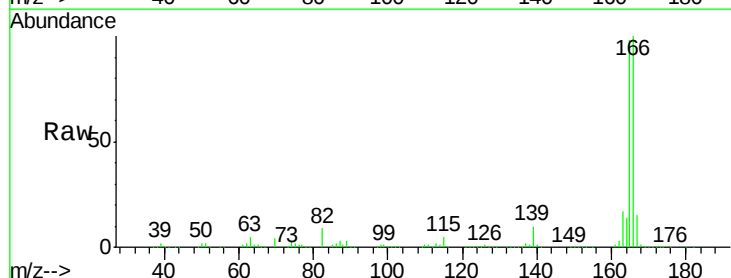
Tgt Ion:138 Resp: 6882

Ion Ratio Lower Upper

138 100

92 0.0 38.2 57.4#

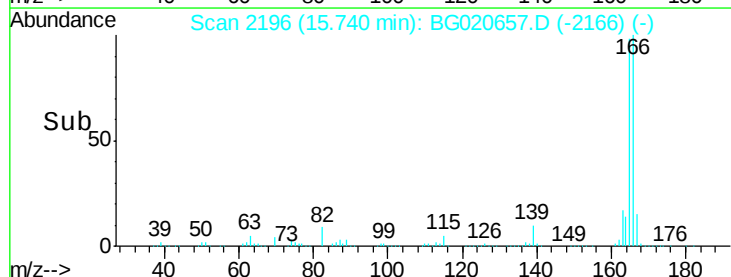
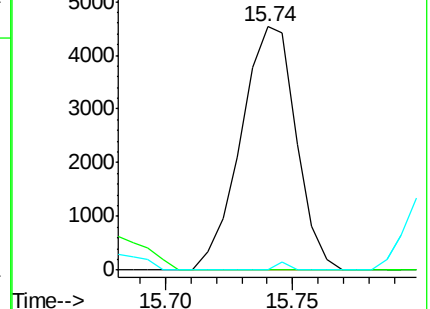
108 0.0 70.0 105.0#

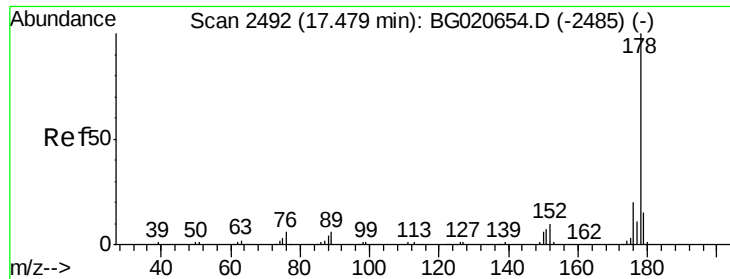


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BG

Ion 108.00 (107.70 to 108.70): E





#70

Phenanthrene

Concen: 183.93 ng/ul

RT: 17.49 min Scan# 2494

Delta R.T. 0.01 min

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D9N64

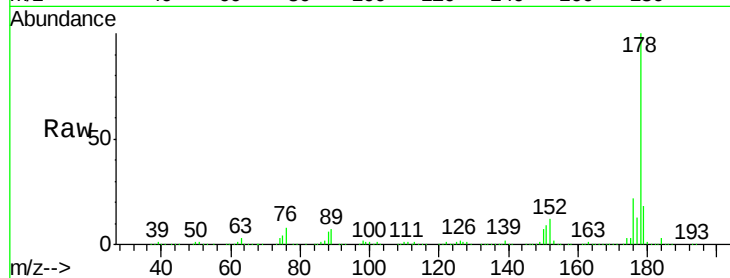
Tgt Ion:178 Resp: 1386007

Ion Ratio Lower Upper

178 100

179 18.5 12.3 18.5

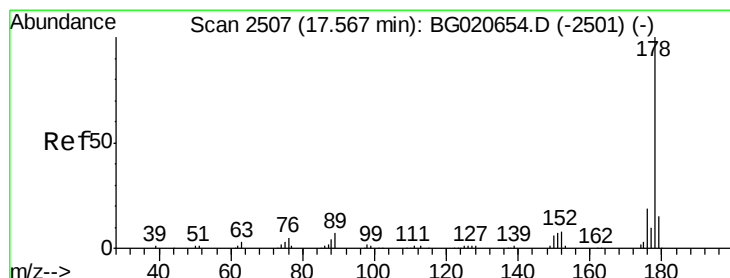
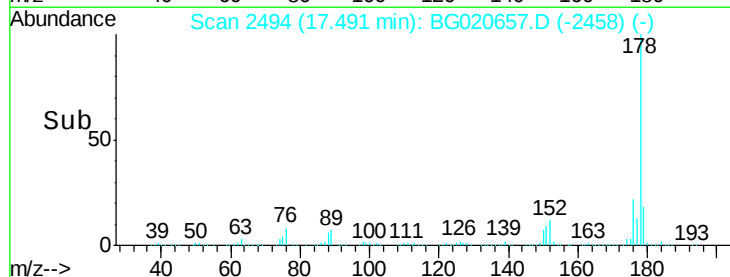
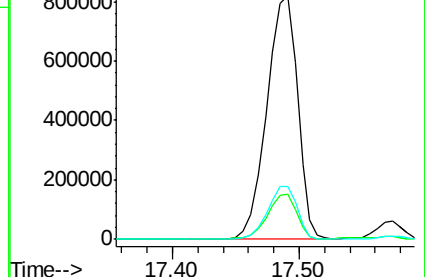
176 21.8 15.4 23.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#72

Anthracene

Concen: 12.09 ng/ul

RT: 17.57 min Scan# 2508

Delta R.T. 0.01 min

Lab File: BG020657.D

Acq: 5 Jan 2016 15:47

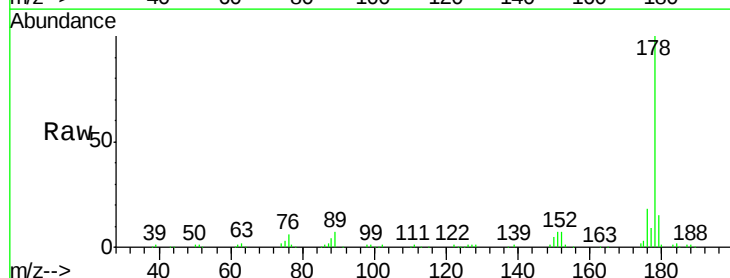
Tgt Ion:178 Resp: 93147

Ion Ratio Lower Upper

178 100

179 15.4 13.4 20.2

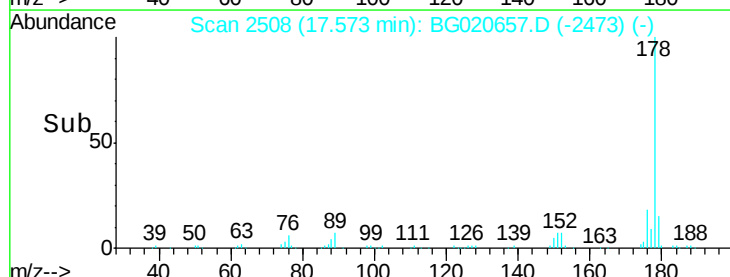
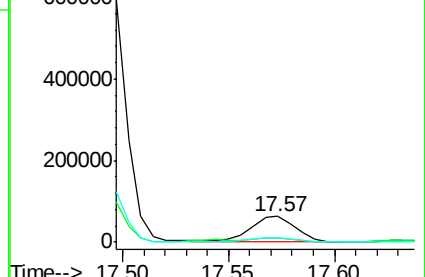
176 18.0 15.4 23.0

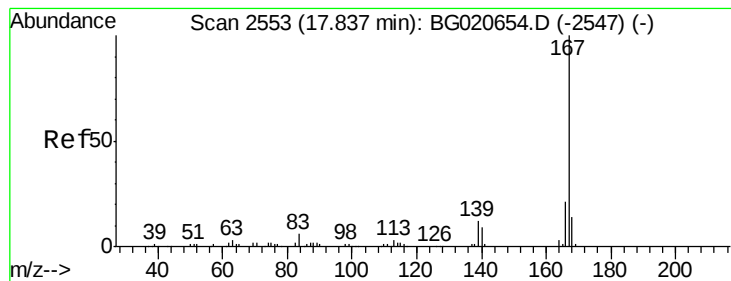


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#75

Carbazole

Concen: 71.84 ng/ul

RT: 17.84 min Scan# 2554

Delta R.T. 0.01 min

Lab File: BG020657.D

Acq: 5 Jan 2016 15:47

Instrument :

BNA_G

ClientSampleId :

D9N64

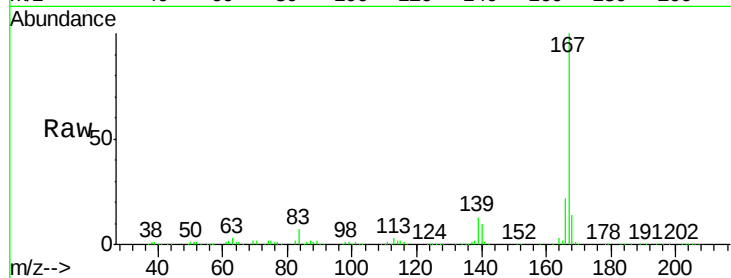
Tgt Ion:167 Resp: 467258

Ion Ratio Lower Upper

167 100

166 21.8 17.0 25.4

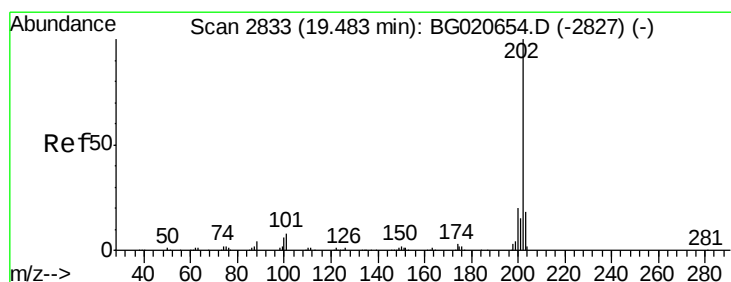
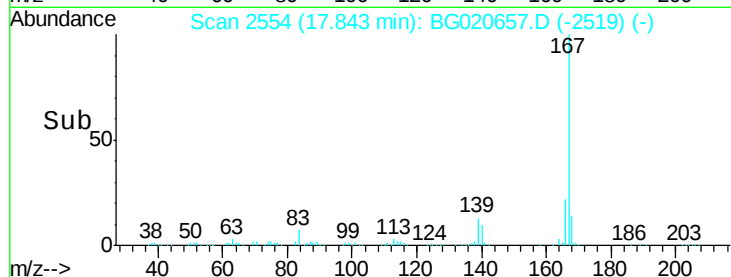
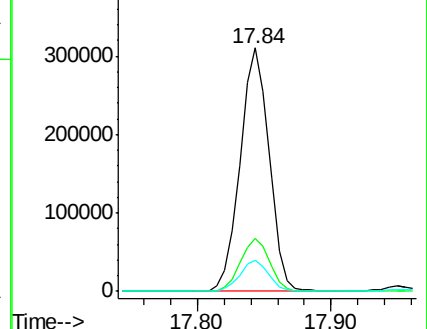
139 13.0 9.1 13.7



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#77

Fluoranthene

Concen: 39.58 ng/ul

RT: 19.48 min Scan# 2833

Delta R.T. 0.00 min

Lab File: BG020657.D

Acq: 5 Jan 2016 15:47

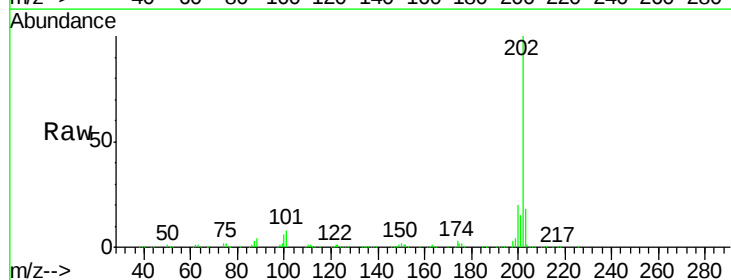
Tgt Ion:202 Resp: 364405

Ion Ratio Lower Upper

202 100

101 7.7 6.1 9.1

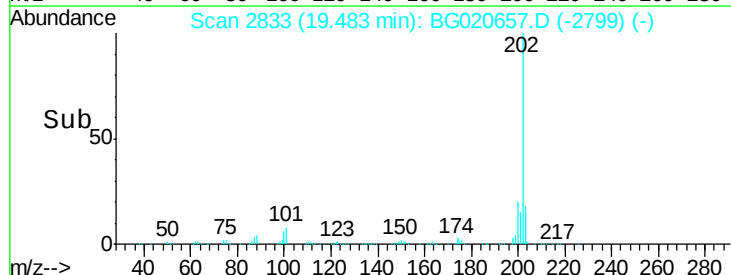
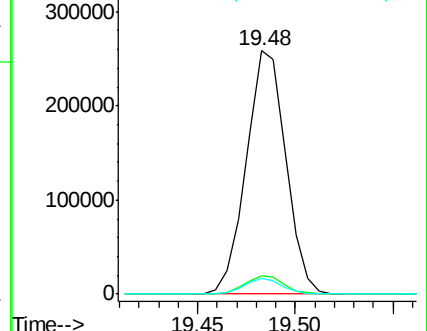
100 6.3 4.6 7.0

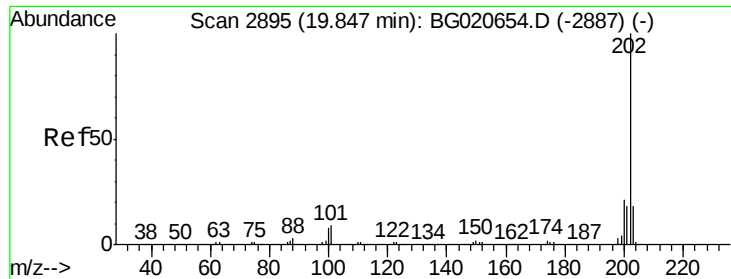


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

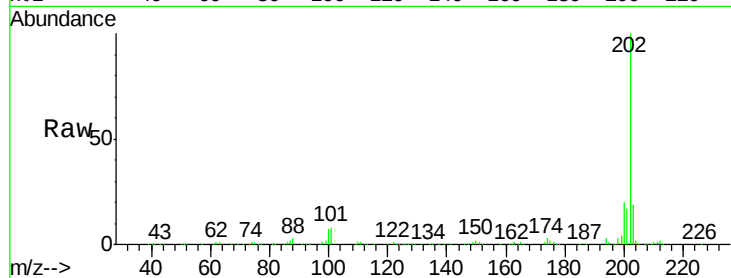




#80
 Pyrene
 Concen: 21.78 ng/ul
 RT: 19.85 min Scan# 2895
 Delta R.T. 0.00 min
 Lab File: BG020657.D
 Acq: 5 Jan 2016 15:47

Instrument :
 BNA_G
 ClientSampleId :
 D9N64

Tgt Ion:	202	Resp:	210268
Ion	Ratio	Lower	Upper
202	100		
101	8.5	6.9	10.3
100	7.3	5.6	8.4



Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

