

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG010516\
 Data File : BG020659.D
 Acq On : 5 Jan 2016 17:44
 Operator : UM/SJ
 Sample : G4846-14RE
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N60

Quant Time: Jan 06 00:32:38 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	16928	20.00	ng/ul	0.00
18) Naphthalene-d8	10.88	136	75863	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.69	164	54265	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.44	188	132936	20.00	ng/ul	0.00
78) Chrysene-d12	21.71	240	164269	20.00	ng/ul	0.00
86) Perylene-d12	24.95	264	153579	20.00	ng/ul	-0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.42	96	488	1.73	ng/uL	0.00
5) Phenol-d5	7.21	99	11051	7.73	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.37	67	31613	36.56	ng/ul	0.00
9) 2-Chlorophenol-d4	7.58	132	32216	29.47	ng/ul	0.00
13) 4-Methylphenol-d8	8.76	113	23249	18.95	ng/ul	0.00
19) Nitrobenzene-d5	9.23	128	22120	37.74	ng/ul	0.00
22) 2-Nitrophenol-d4	9.95	143	26155	38.45	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.50	165	43625	33.76	ng/ul	0.00
29) 4-Chloroaniline-d4	11.02	131	756	0.49	ng/ul	0.01
44) Dimethylphthalate-d6	14.09	166	175432	39.50	ng/ul	0.00
47) Acenaphthylene-d8	14.39	160	196483	38.95	ng/ul	0.00
52) 4-Nitrophenol-d4	14.90	143	4654	6.68	ng/ul	0.00
58) Fluorene-d10	15.68	176	156582	38.89	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.81	200	25639	31.80	ng/ul	0.00
71) Anthracene-d10	17.54	188	246725	39.83	ng/ul	0.00
79) Pyrene-d10	19.82	212	301858	40.97	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.73	264	330925	43.19	ng/ul	0.00

Target Compounds

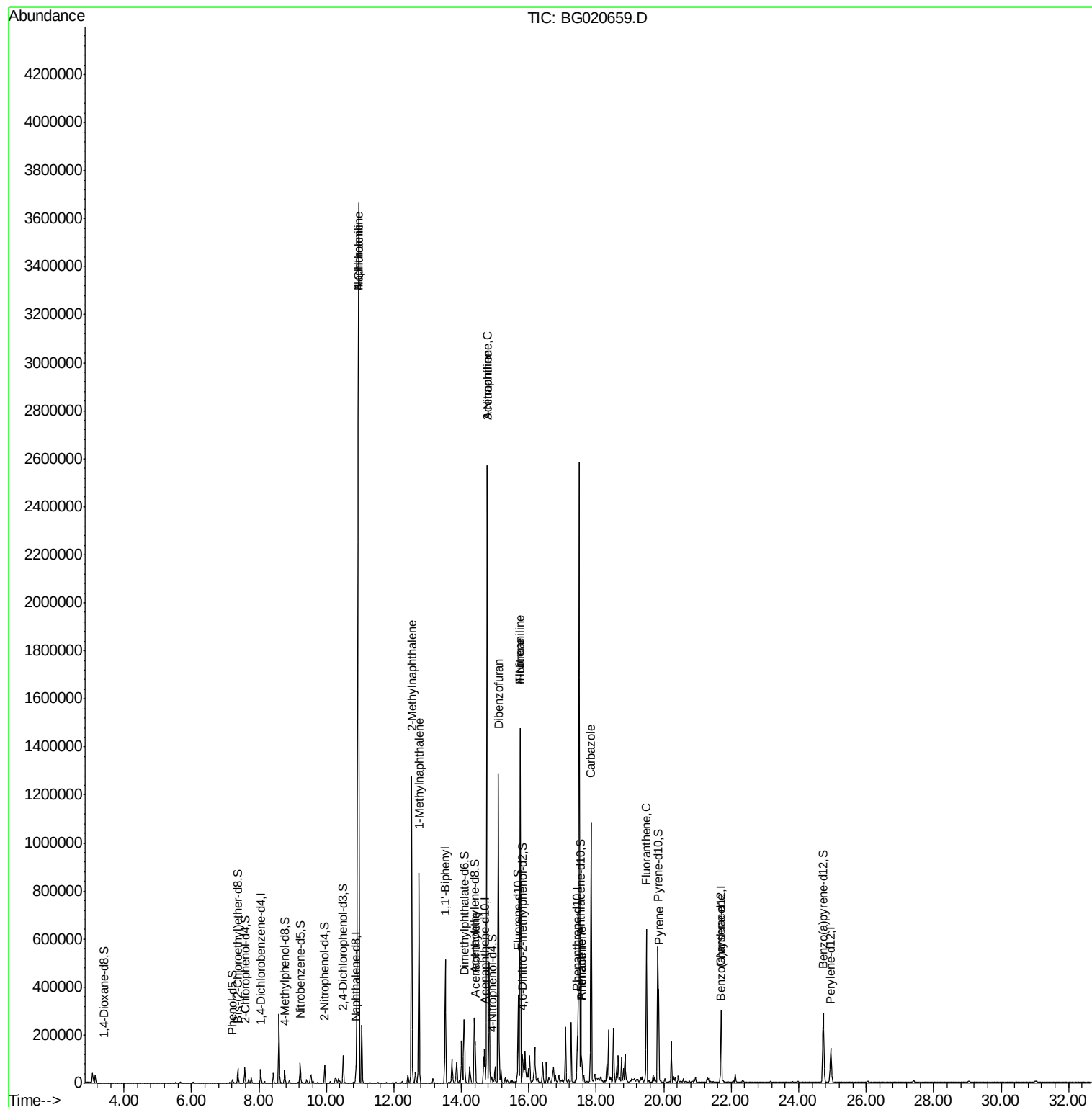
						Qvalue
28) Naphthalene	10.95	128	3523640	877.07	ng/ul#	80
30) 4-Chloroaniline	10.95	127	643435	408.14	ng/ul#	8
34) 2-Methylnaphthalene	12.53	142	617311	205.35	ng/ul	98
35) 1-Methylnaphthalene	12.75	142	402032	138.56	ng/ul	96
41) 1,1'-Biphenyl	13.52	154	272558	66.75	ng/ul	98
48) Acenaphthylene	14.41	152	93712	17.44	ng/ul	98
49) 3-Nitroaniline	14.77	138	1428	1.67	ng/ul#	1
50) Acenaphthene	14.77	153	1190509	327.46	ng/ul	98
54) Dibenzofuran	15.09	168	862131	156.92	ng/ul	98
59) Fluorene	15.74	166	711439	160.98	ng/ul	97
61) 4-Nitroaniline	15.74	138	9181	9.81	ng/ul#	17
70) Phenanthrene	17.57	178	101664	14.07	ng/ul	98
72) Anthracene	17.57	178	101664	13.75	ng/ul	98
75) Carbazole	17.85	167	742947	119.10	ng/ul	96
77) Fluoranthene	19.49	202	409248	46.35	ng/ul	99
80) Pyrene	19.85	202	247519	26.01	ng/ul	99
83) Benzo(a)anthracene	21.68	228	9896	1.03	ng/ul	97

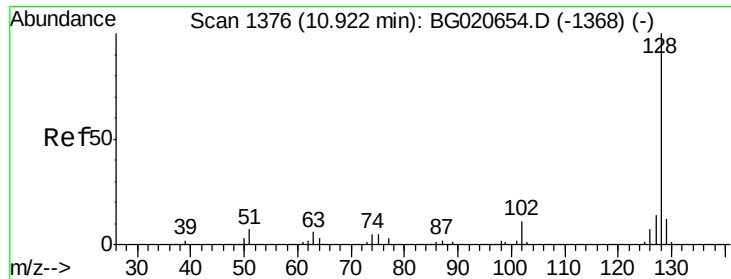
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
QLast Update : Wed Jan 06 00:15:22 2016
Response via : Initial Calibration





#28

Naphthalene

Concen: 877.07 ng/ul

RT: 10.95 min Scan# 1381

Delta R.T. 0.03 min

Lab File: BG020659.D

Acq: 5 Jan 2016 17:44

Instrument :

BNA_G

ClientSampleId :

D9N60

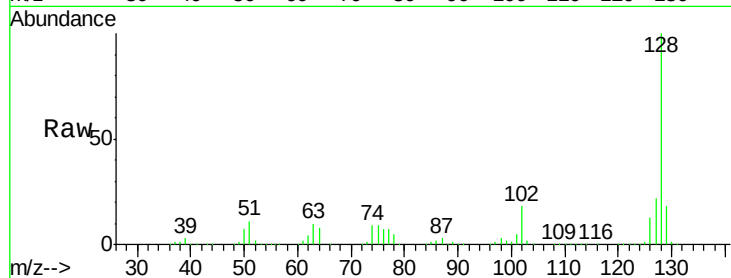
Tgt Ion:128 Resp: 3523640

Ion Ratio Lower Upper

128 100

129 17.8 8.3 12.5#

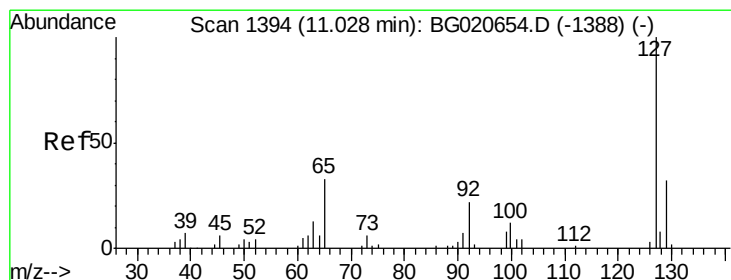
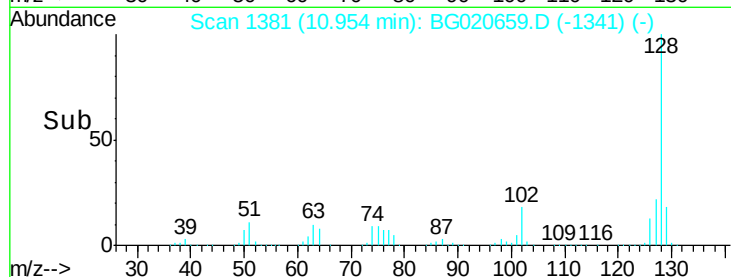
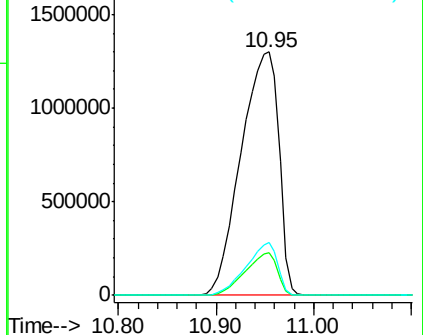
127 21.9 10.8 16.2#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#30

4-Chloroaniline

Concen: 408.14 ng/ul

RT: 10.95 min Scan# 1381

Delta R.T. -0.07 min

Lab File: BG020659.D

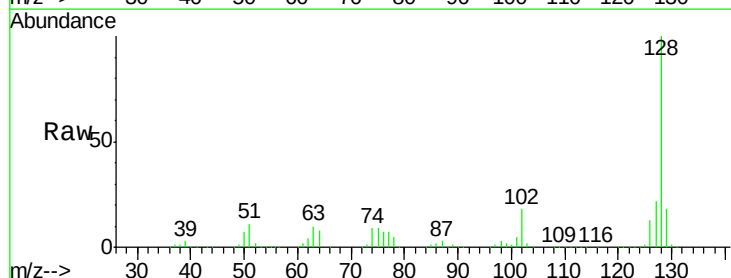
Acq: 5 Jan 2016 17:44

Tgt Ion:127 Resp: 643435

Ion Ratio Lower Upper

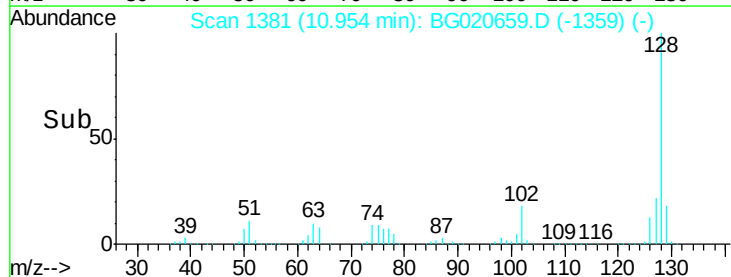
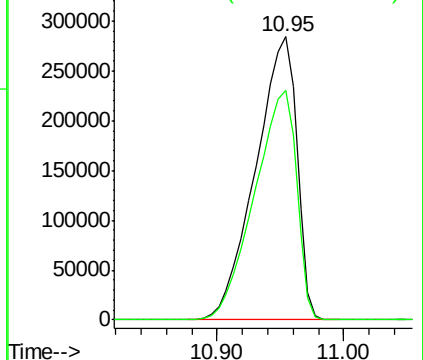
127 100

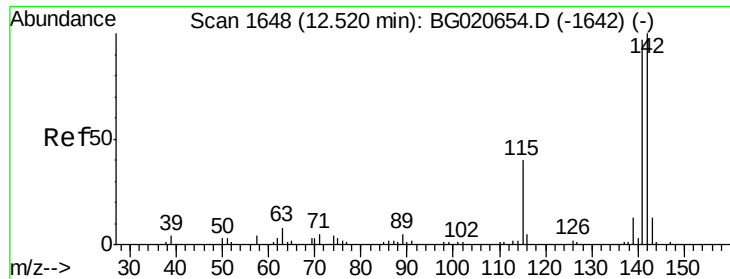
129 81.3 24.6 37.0#



Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

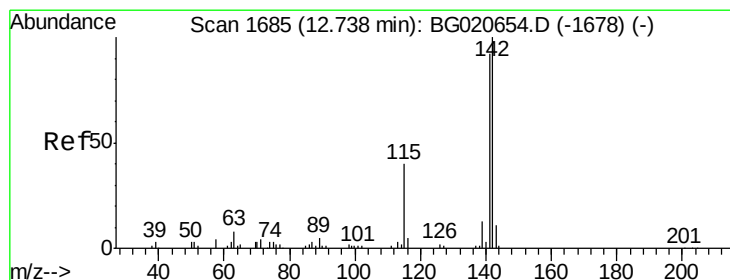
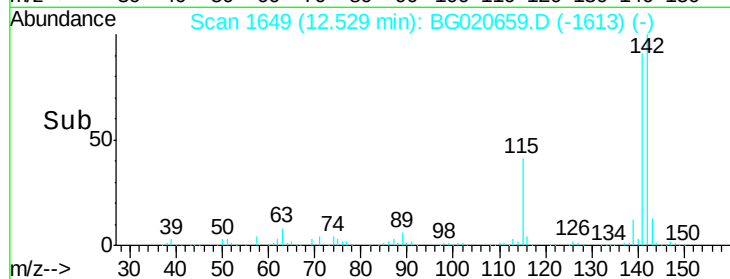
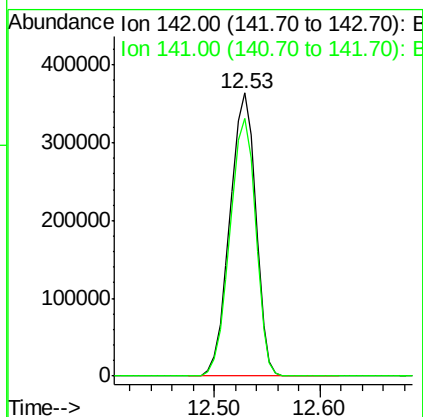
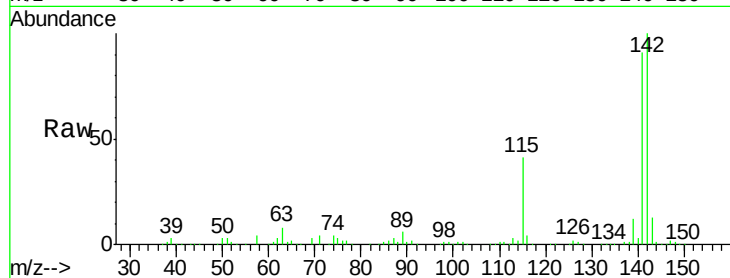




#34
 2-Methylnaphthalene
 Concen: 205.35 ng/ul
 RT: 12.53 min Scan# 1649
 Delta R.T. 0.01 min
 Lab File: BG020659.D
 Acq: 5 Jan 2016 17:44

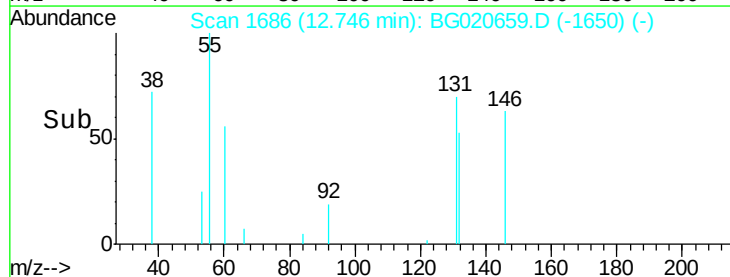
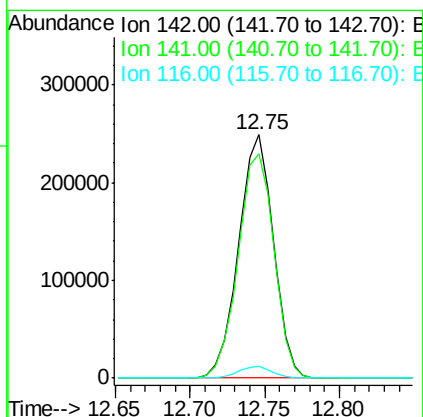
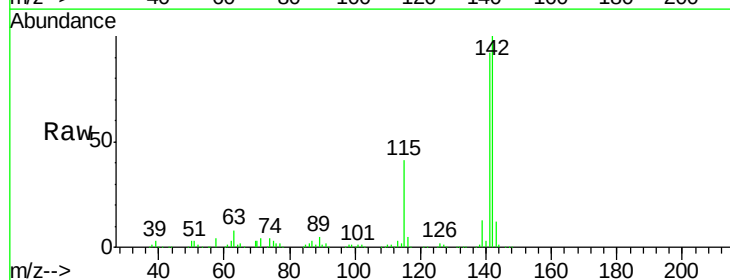
Instrument :
 BNA_G
 ClientSampleId :
 D9N60

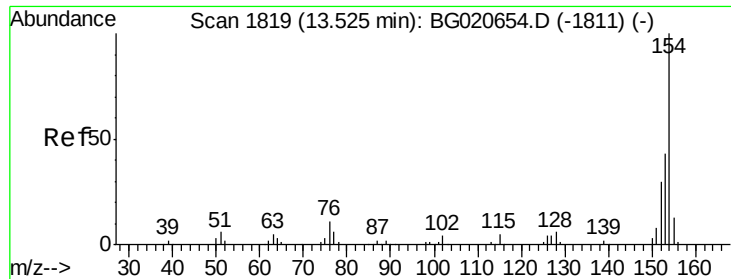
Tgt Ion:142 Resp: 617311
 Ion Ratio Lower Upper
 142 100
 141 90.9 71.4 107.2



#35
 1-Methylnaphthalene
 Concen: 138.56 ng/ul
 RT: 12.75 min Scan# 1686
 Delta R.T. 0.01 min
 Lab File: BG020659.D
 Acq: 5 Jan 2016 17:44

Tgt Ion:142 Resp: 402032
 Ion Ratio Lower Upper
 142 100
 141 92.1 76.6 115.0
 116 4.7 3.6 5.4

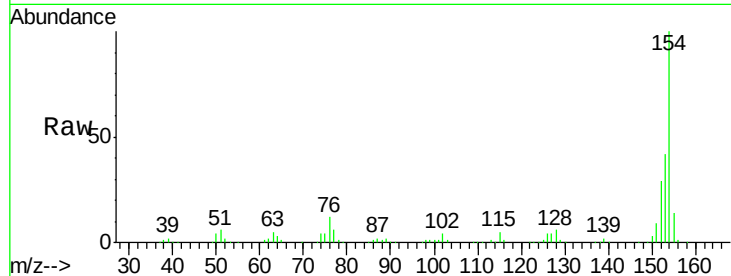




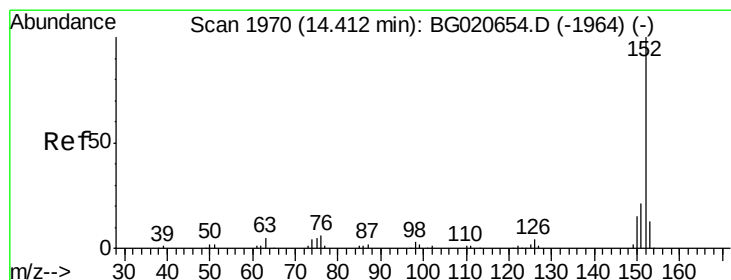
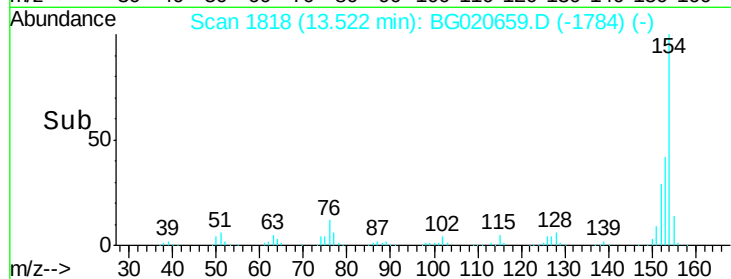
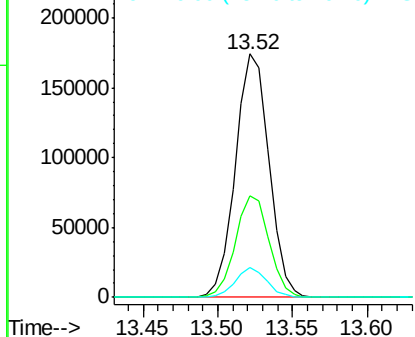
#41
 1,1'-Biphenyl
 Concen: 66.75 ng/ul
 RT: 13.52 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: BG020659.D
 Acq: 5 Jan 2016 17:44

Instrument :
 BNA_G
 ClientSampleId :
 D9N60

Tgt Ion:154 Resp: 272558
 Ion Ratio Lower Upper
 154 100
 153 41.9 34.0 51.0
 76 12.2 8.4 12.6

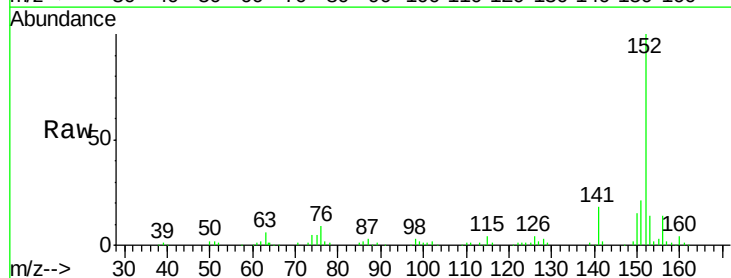


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): B

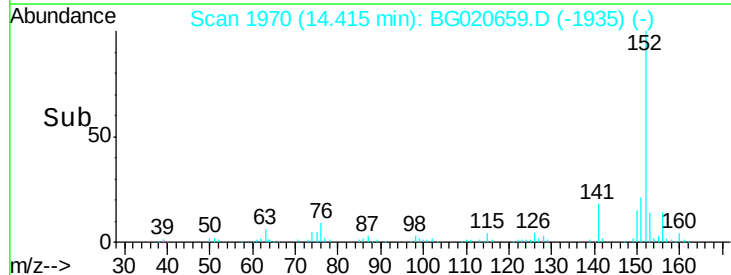
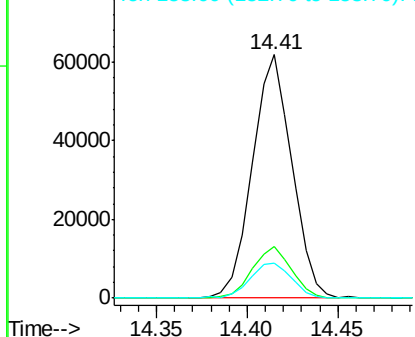


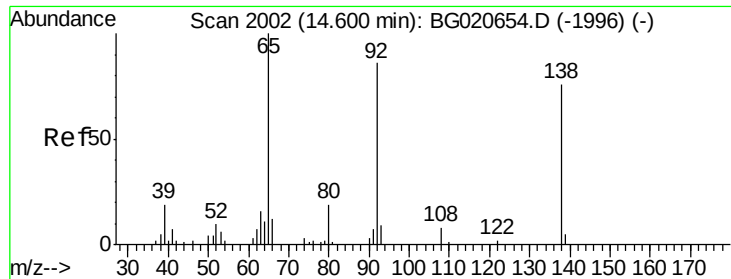
#48
 Acenaphthylene
 Concen: 17.44 ng/ul
 RT: 14.41 min Scan# 1970
 Delta R.T. 0.00 min
 Lab File: BG020659.D
 Acq: 5 Jan 2016 17:44

Tgt Ion:152 Resp: 93712
 Ion Ratio Lower Upper
 152 100
 151 21.1 16.1 24.1
 153 14.4 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





#49

3-Nitroaniline

Concen: 1.67 ng/ul

RT: 14.77 min Scan# 2030

Delta R.T. 0.17 min

Lab File: BG020659.D

Acq: 5 Jan 2016 17:44

Instrument :

BNA_G

ClientSampleId :

D9N60

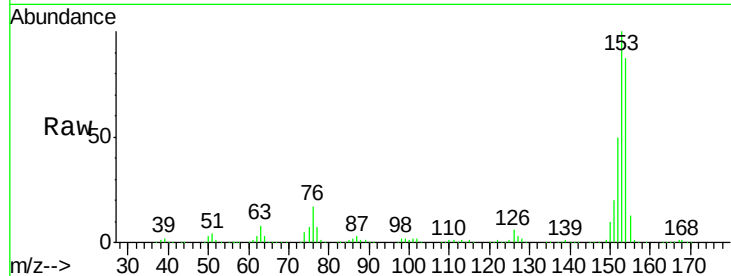
Tgt Ion:138 Resp: 1428

Ion Ratio Lower Upper

138 100

108 30.1 7.6 11.4#

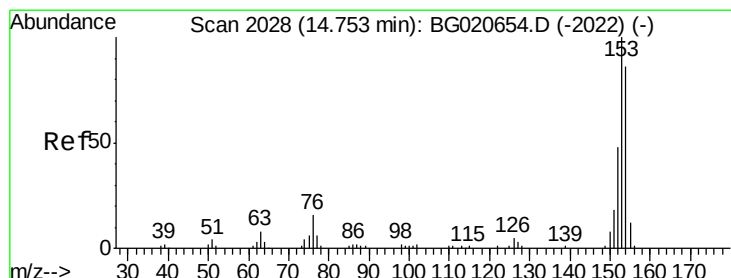
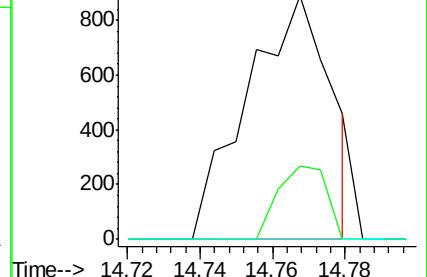
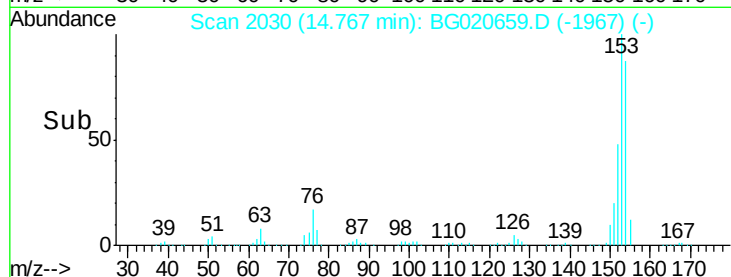
92 0.0 94.2 141.2#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BGC



#50

Acenaphthene

Concen: 327.46 ng/ul

RT: 14.77 min Scan# 2030

Delta R.T. 0.01 min

Lab File: BG020659.D

Acq: 5 Jan 2016 17:44

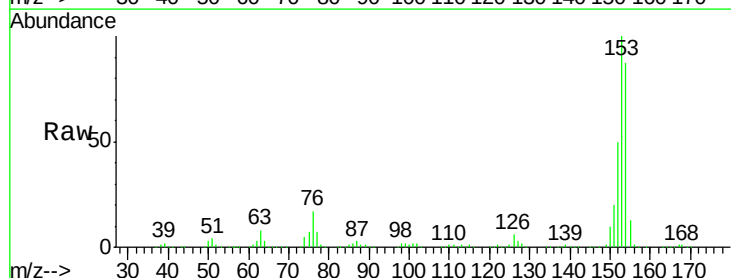
Tgt Ion:153 Resp: 1190509

Ion Ratio Lower Upper

153 100

152 50.4 37.9 56.9

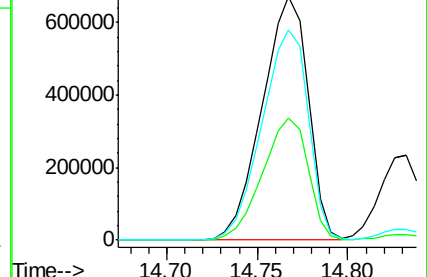
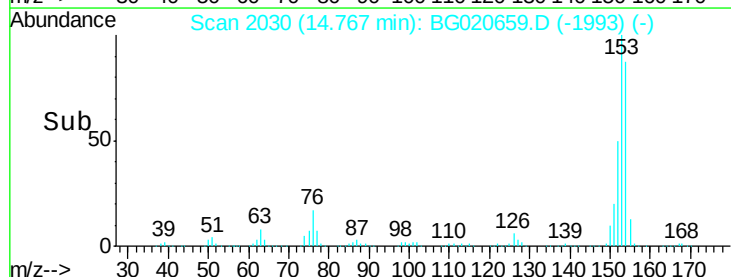
154 86.6 69.8 104.6

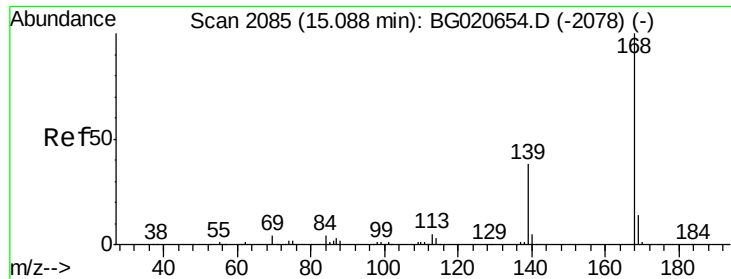


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#54

Dibenzenofuran

Concen: 156.92 ng/ul

RT: 15.09 min Scan# 2085

Delta R.T. 0.00 min

Lab File: BG020659.D

Acq: 5 Jan 2016 17:44

Instrument :

BNA_G

ClientSampleId :

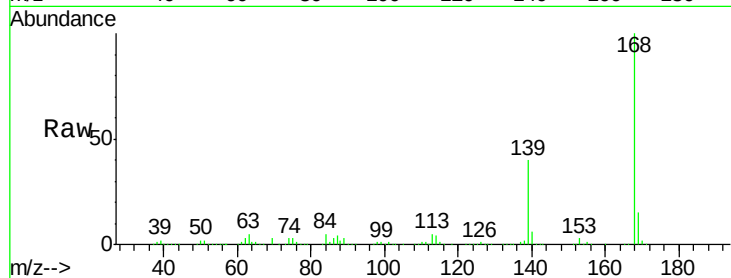
D9N60

Tgt Ion:168 Resp: 862131

Ion Ratio Lower Upper

168 100

139 39.9 31.0 46.4



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

600000

500000

400000

300000

200000

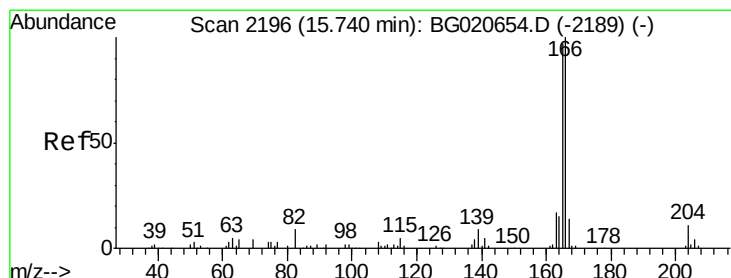
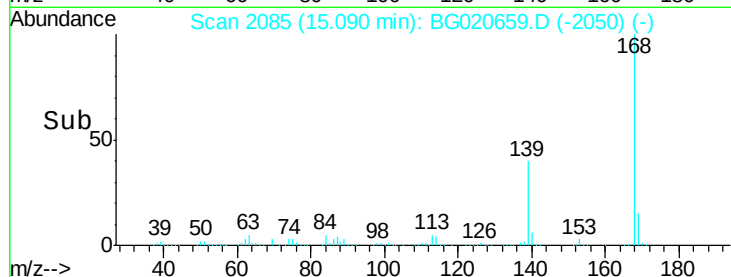
100000

0

15.09

15.05 15.10 15.15

Time-->



#59

Fluorene

Concen: 160.98 ng/ul

RT: 15.74 min Scan# 2196

Delta R.T. 0.00 min

Lab File: BG020659.D

Acq: 5 Jan 2016 17:44

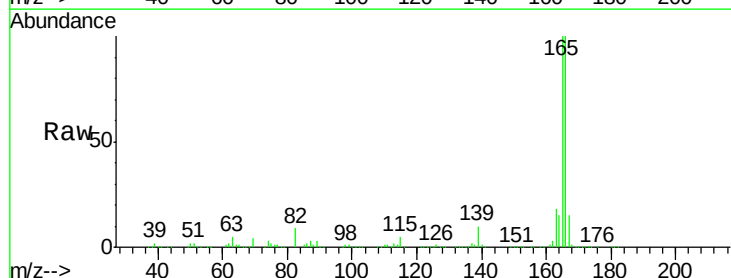
Tgt Ion:166 Resp: 711439

Ion Ratio Lower Upper

166 100

165 100.5 78.4 117.6

167 15.5 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

600000

500000

400000

300000

200000

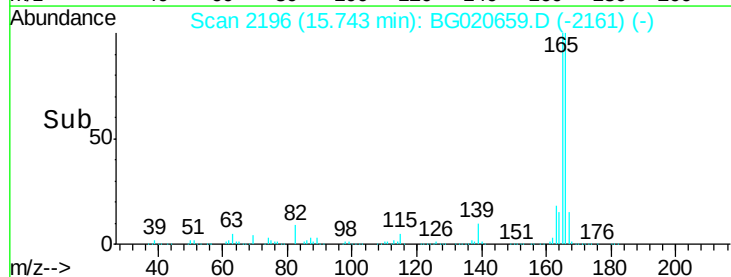
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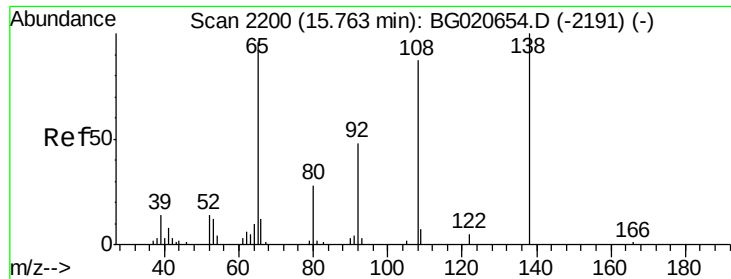
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15.74

15.70 15.75 15.80

Time-->

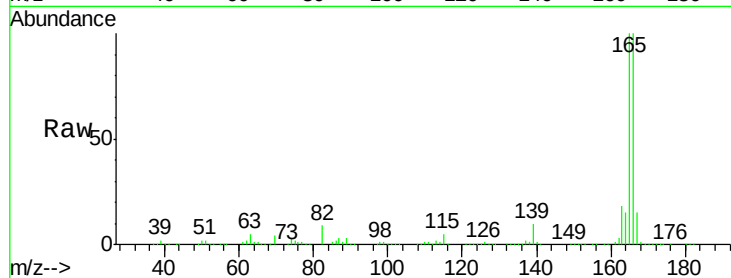




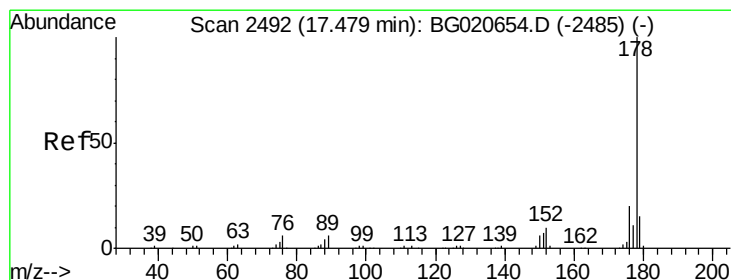
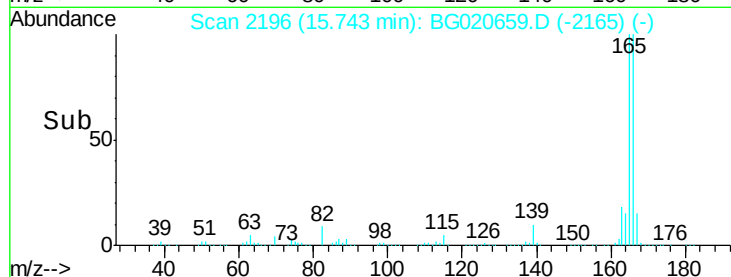
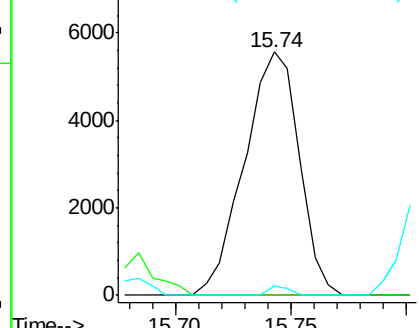
#61
 4-Nitroaniline
 Concen: 9.81 ng/ul
 RT: 15.74 min Scan# 2196
 Delta R.T. -0.02 min
 Lab File: BG020659.D
 Acq: 5 Jan 2016 17:44

Instrument :
 BNA_G
 ClientSampleId :
 D9N60

Tgt Ion:138 Resp: 9181
 Ion Ratio Lower Upper
 138 100
 92 0.0 38.2 57.4#
 108 4.1 70.0 105.0#

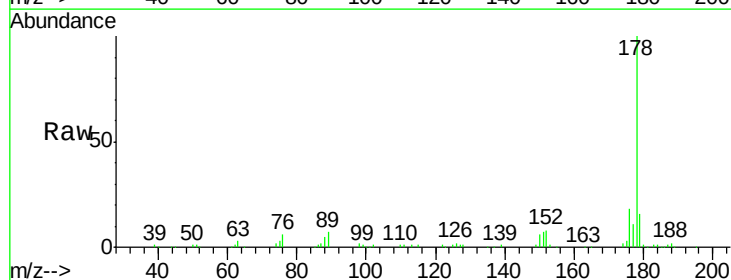


Abundance Ion 138.00 (137.70 to 138.70): E
 Ion 92.00 (91.70 to 92.70): BGC
 Ion 108.00 (107.70 to 108.70): E

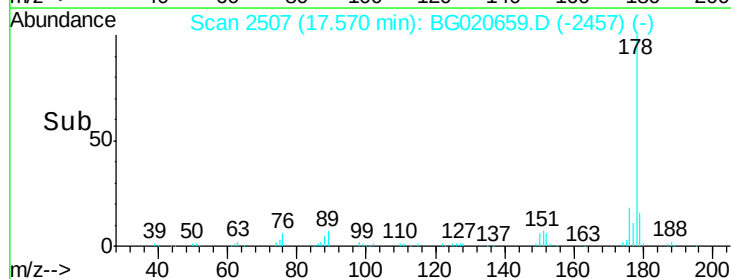
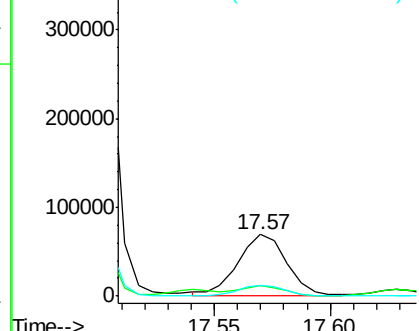


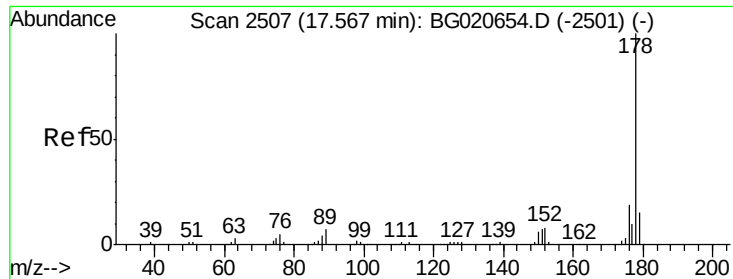
#70
 Phenanthrene
 Concen: 14.07 ng/ul
 RT: 17.57 min Scan# 2507
 Delta R.T. 0.09 min
 Lab File: BG020659.D
 Acq: 5 Jan 2016 17:44

Tgt Ion:178 Resp: 101664
 Ion Ratio Lower Upper
 178 100
 179 16.3 12.3 18.5
 176 18.3 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: 13.75 ng/ul

RT: 17.57 min Scan# 2507

Delta R.T. 0.00 min

Lab File: BG020659.D

Acq: 5 Jan 2016 17:44

Instrument :

BNA_G

ClientSampleId :

D9N60

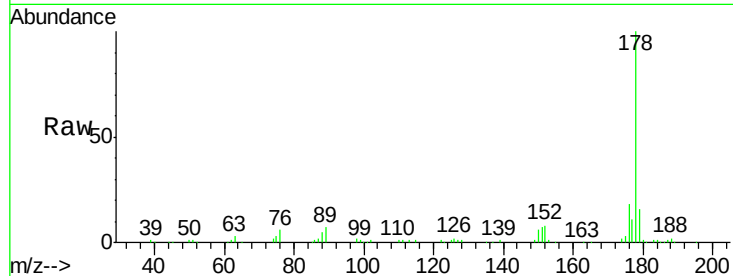
Tgt Ion:178 Resp: 101664

Ion Ratio Lower Upper

178 100

179 16.3 13.4 20.2

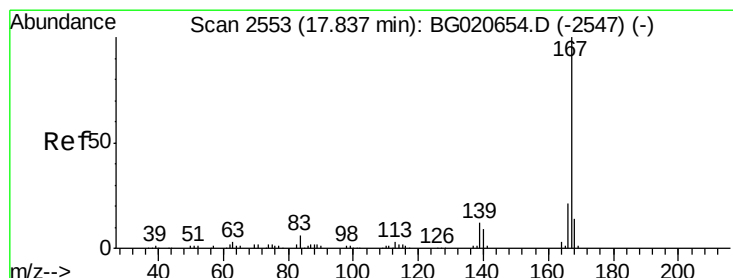
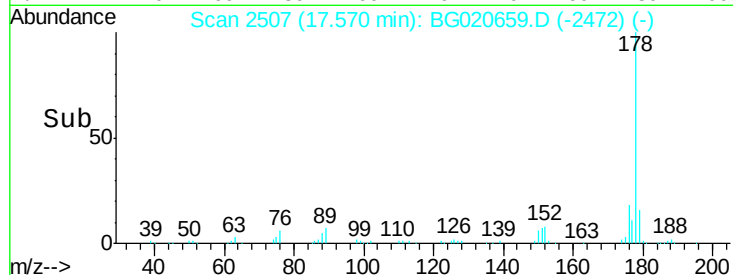
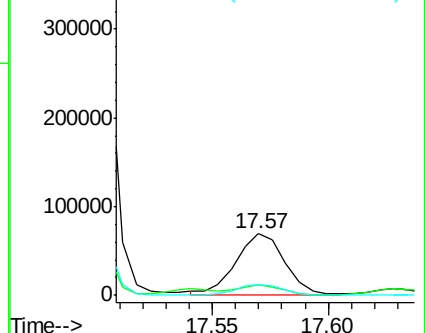
176 18.3 15.4 23.0



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: 119.10 ng/ul

RT: 17.85 min Scan# 2554

Delta R.T. 0.01 min

Lab File: BG020659.D

Acq: 5 Jan 2016 17:44

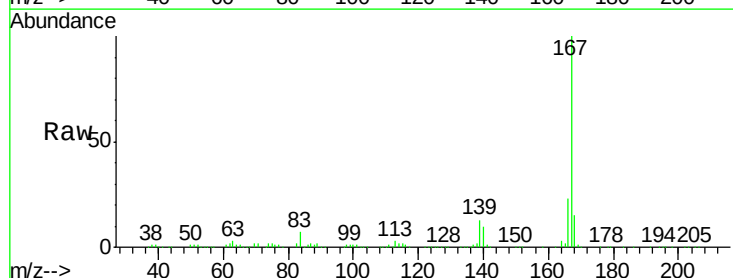
Tgt Ion:167 Resp: 742947

Ion Ratio Lower Upper

167 100

166 22.9 17.0 25.4

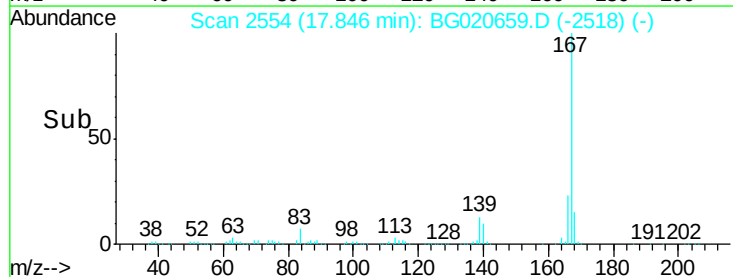
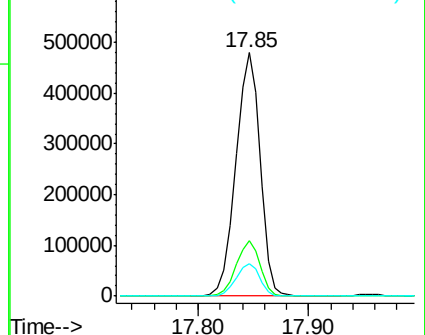
139 13.1 9.1 13.7

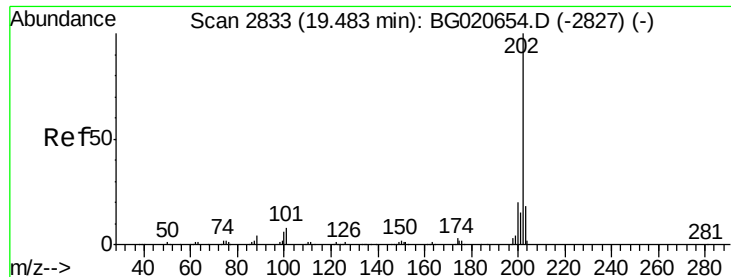


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

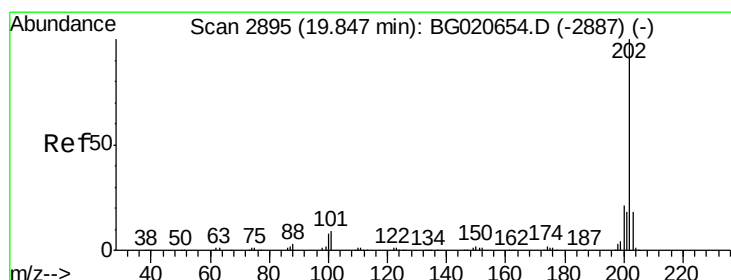
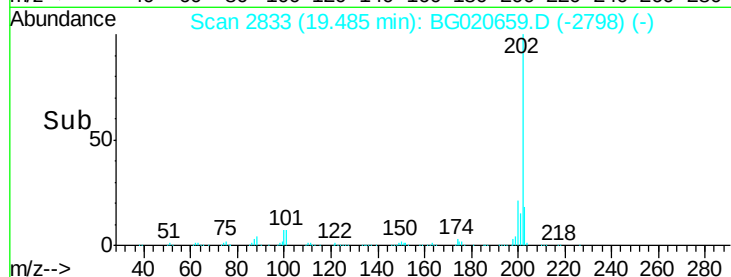
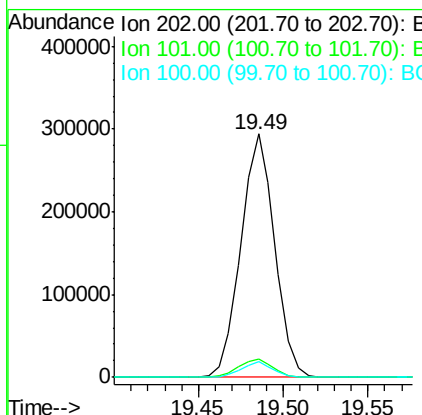
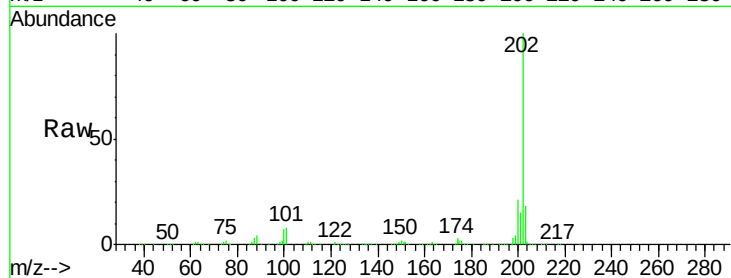




#77
 Fluoranthene
 Concen: 46.35 ng/ul
 RT: 19.49 min Scan# 2833
 Delta R.T. 0.00 min
 Lab File: BG020659.D
 Acq: 5 Jan 2016 17:44

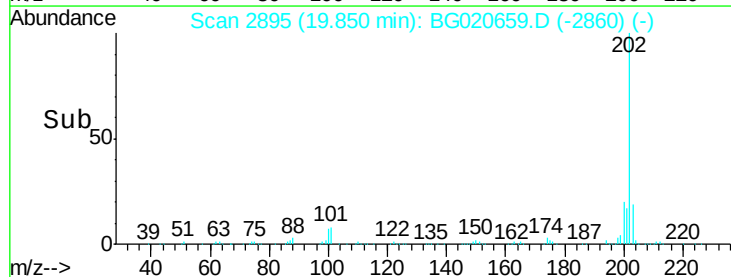
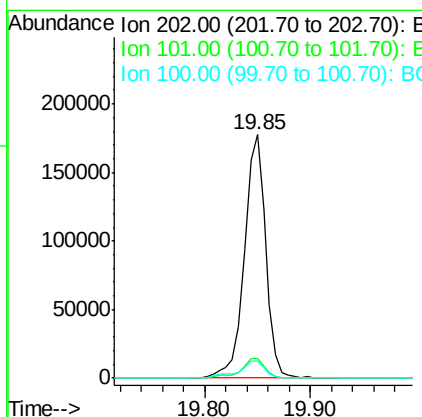
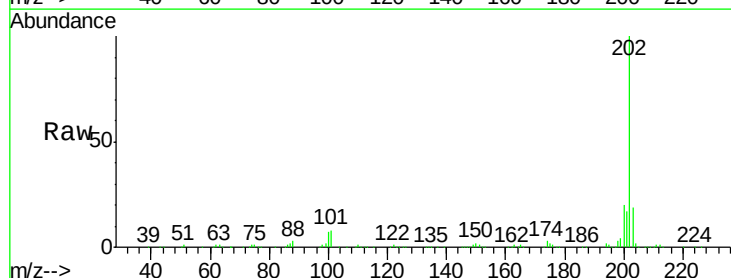
Instrument :
 BNA_G
 ClientSampleId :
 D9N60

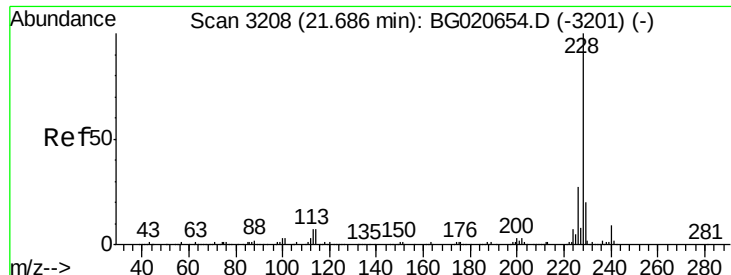
Tgt Ion:	202	Resp:	409248
Ion	Ratio	Lower	Upper
202	100		
101	7.5	6.1	9.1
100	6.5	4.6	7.0



#80
 Pyrene
 Concen: 26.01 ng/ul
 RT: 19.85 min Scan# 2895
 Delta R.T. 0.00 min
 Lab File: BG020659.D
 Acq: 5 Jan 2016 17:44

Tgt Ion:	202	Resp:	247519
Ion	Ratio	Lower	Upper
202	100		
101	8.1	6.9	10.3
100	7.2	5.6	8.4





#83

Benzo(a)anthracene

Concen: 1.03 ng/ul

RT: 21.68 min Scan# 3207

Delta R.T. -0.00 min

Lab File: BG020659.D

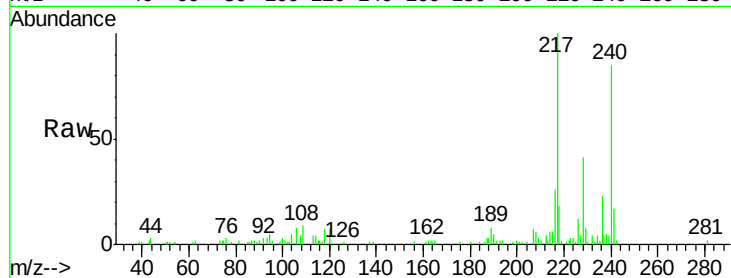
Acq: 5 Jan 2016 17:44

Instrument :

BNA_G

ClientSampleId :

D9N60



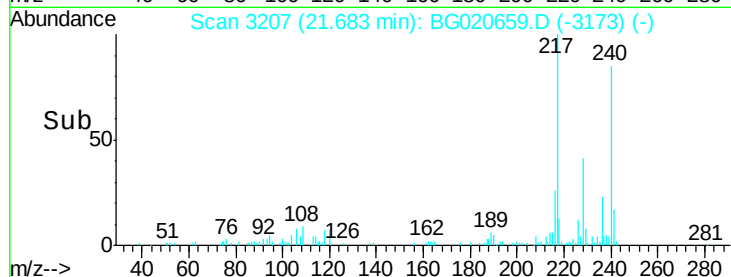
Tgt Ion: 228 Resp: 9896

Ion Ratio Lower Upper

228 100

229 19.9 16.0 24.0

226 29.5 21.8 32.8



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E

