

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG010516\
 Data File : BG020660.D
 Acq On : 5 Jan 2016 18:23
 Operator : UM/SJ
 Sample : G4846-15RE
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N61

Quant Time: Jan 06 00:33:02 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	8.06	152	17970	20.00	ng/ul	0.00
18) Naphthalene-d8	10.89	136	79744	20.00	ng/ul	0.02
36) Acenaphthene-d10	14.69	164	58506	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.44	188	136226	20.00	ng/ul	0.00
78) Chrysene-d12	21.70	240	166442	20.00	ng/ul	0.00
86) Perylene-d12	24.95	264	157909	20.00	ng/ul	-0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.42	96	306	1.02	ng/uL	0.00
5) Phenol-d5	7.21	99	11322	7.46	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.37	67	30028	32.71	ng/ul	0.00
9) 2-Chlorophenol-d4	7.58	132	32448	27.96	ng/ul	0.00
13) 4-Methylphenol-d8	8.76	113	23596	18.12	ng/ul	0.00
19) Nitrobenzene-d5	9.22	128	21907	35.56	ng/ul	0.00
22) 2-Nitrophenol-d4	9.95	143	26889	37.60	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.50	165	44282	32.60	ng/ul	0.00
29) 4-Chloroaniline-d4	11.02	131	1532	0.95	ng/ul	0.02
44) Dimethylphthalate-d6	14.10	166	176746	36.92	ng/ul	0.00
47) Acenaphthylene-d8	14.38	160	197662	36.34	ng/ul	0.00
52) 4-Nitrophenol-d4	14.90	143	5496	7.32	ng/ul	0.00
58) Fluorene-d10	15.68	176	158364	36.49	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.81	200	26373	31.92	ng/ul	0.00
71) Anthracene-d10	17.54	188	246362	38.81	ng/ul	0.00
79) Pyrene-d10	19.82	212	288228	38.61	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.73	264	321162	40.76	ng/ul	0.00

Target Compounds

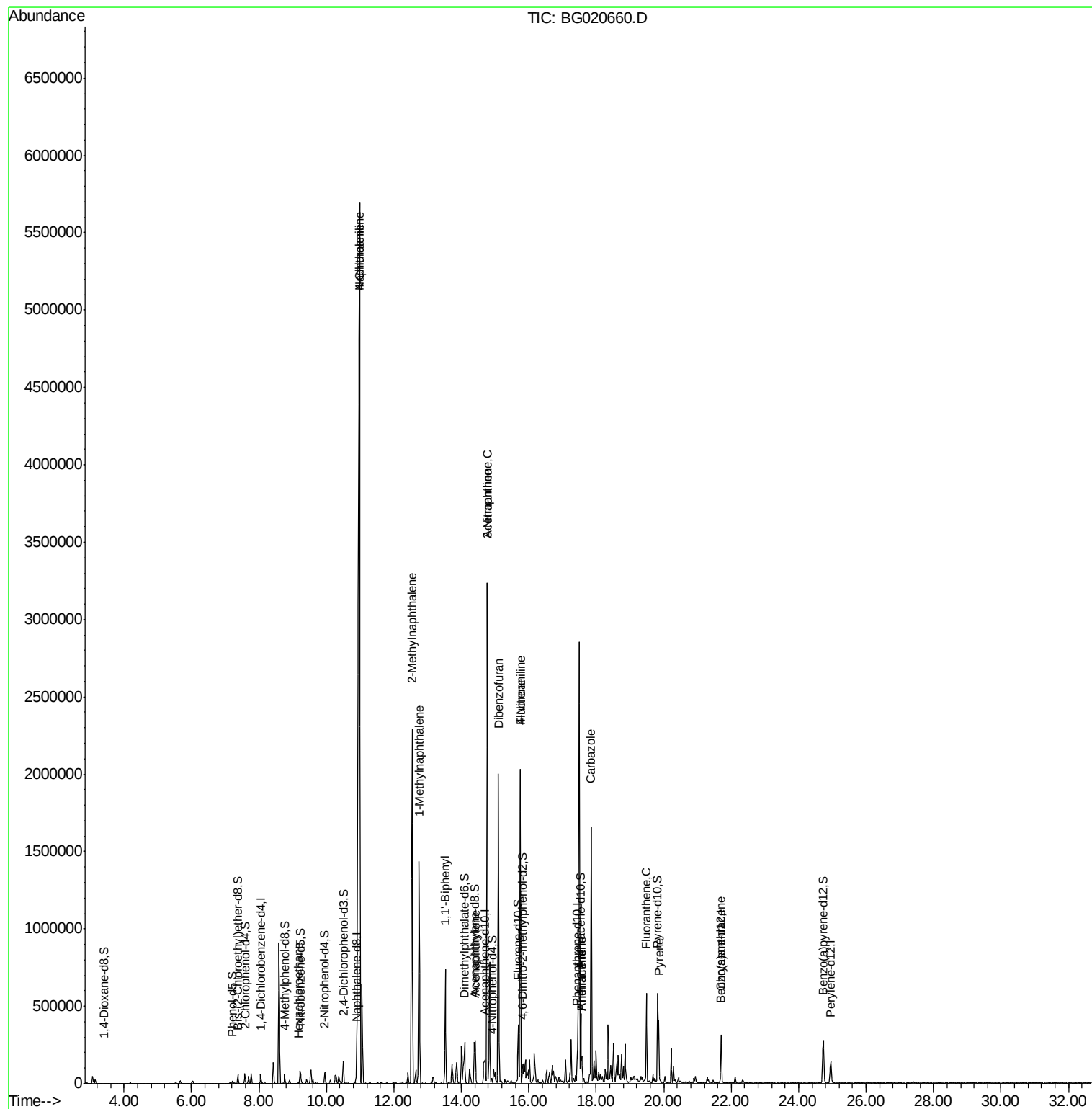
						Qvalue
17) Hexachloroethane	9.17	117	1869	3.67	ng/ul#	1
28) Naphthalene	10.98	128	6297116	1491.14	ng/ul#	60
30) 4-Chloroaniline	10.98	127	1457712	879.65	ng/ul#	9
34) 2-Methylnaphthalene	12.54	142	1153358	365.00	ng/ul	97
35) 1-Methylnaphthalene	12.75	142	664916	218.00	ng/ul	100
41) 1,1'-Biphenyl	13.53	154	392137	89.08	ng/ul	99
48) Acenaphthylene	14.41	152	158781	27.41	ng/ul	98
49) 3-Nitroaniline	14.77	138	1569	1.70	ng/ul#	1
50) Acenaphthene	14.77	153	1520961	388.02	ng/ul	96
54) Dibenzofuran	15.10	168	1256646	212.14	ng/ul	94
59) Fluorene	15.75	166	959555	201.38	ng/ul	96
61) 4-Nitroaniline	15.75	138	12998	12.88	ng/ul#	18
70) Phenanthrene	17.57	178	101403	13.69	ng/ul	98
72) Anthracene	17.57	178	102496	13.53	ng/ul	98
75) Carbazole	17.85	167	1221966	191.16	ng/ul#	93
77) Fluoranthene	19.49	202	397765	43.96	ng/ul	99
80) Pyrene	19.85	202	236070	24.49	ng/ul	99
83) Benzo(a)anthracene	21.69	228	9975	1.02	ng/ul	98

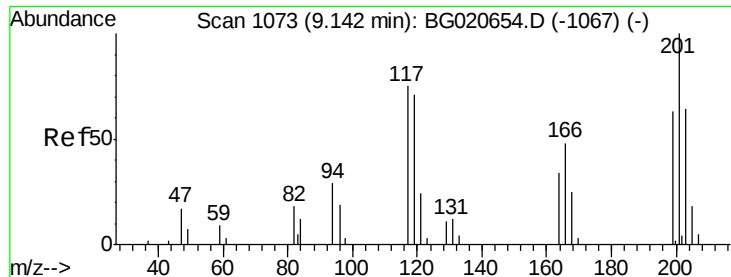
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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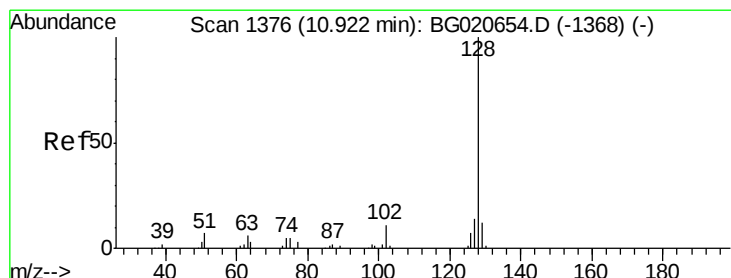
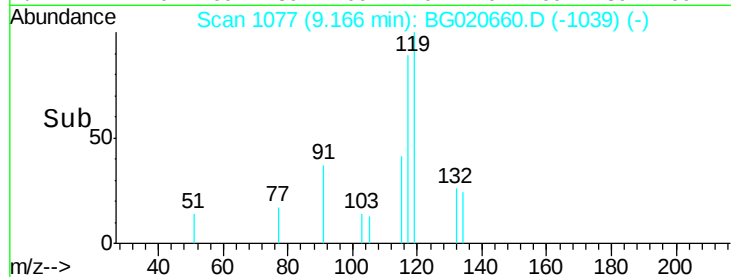
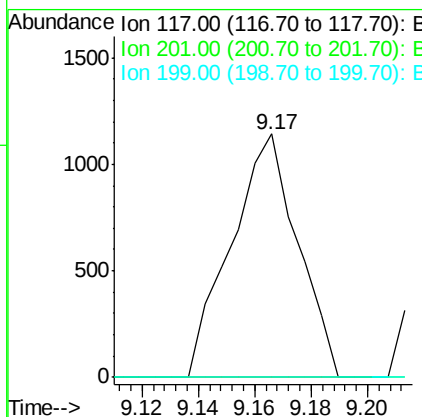
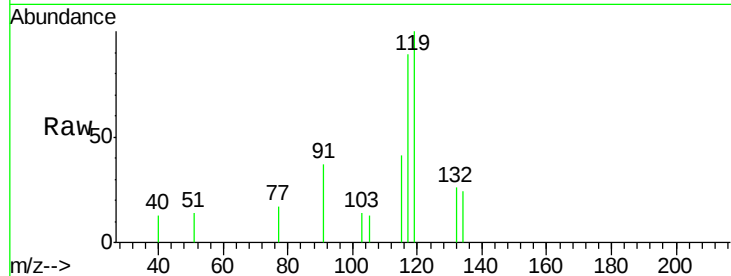




#17
 Hexachloroethane
 Concen: 3.67 ng/ul
 RT: 9.17 min Scan# 1077
 Delta R.T. 0.02 min
 Lab File: BG020660.D
 Acq: 5 Jan 2016 18:23

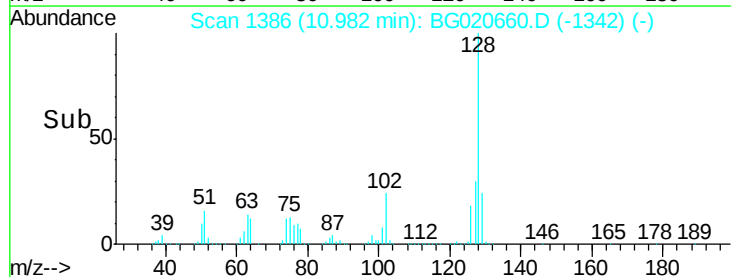
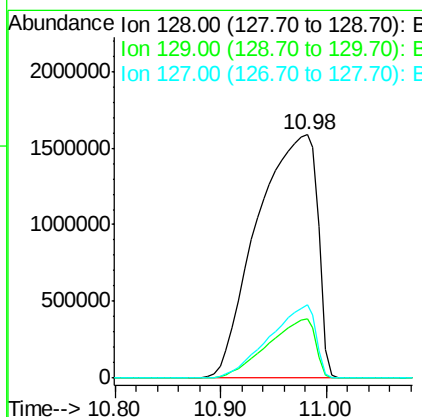
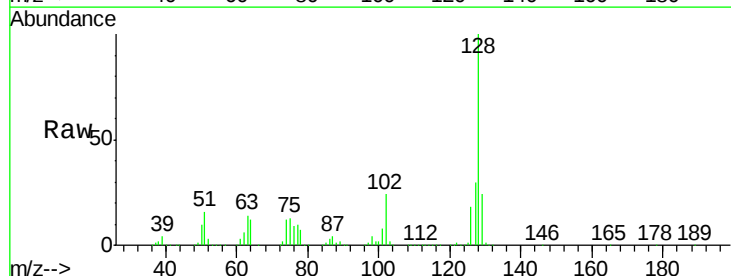
Instrument :
 BNA_G
 ClientSampleId :
 D9N61

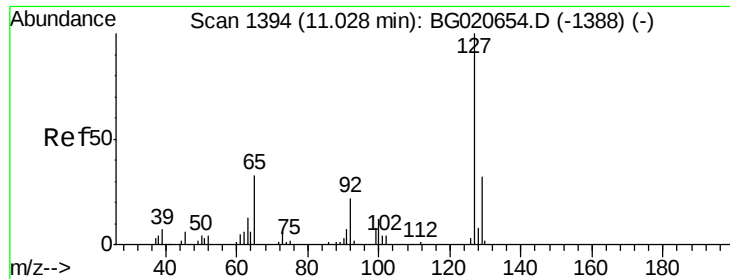
Tgt Ion:117 Resp: 1869
 Ion Ratio Lower Upper
 117 100
 201 0.0 96.1 144.1#
 199 0.0 59.7 89.5#



#28
 Naphthalene
 Concen: 1491.14 ng/ul
 RT: 10.98 min Scan# 1386
 Delta R.T. 0.06 min
 Lab File: BG020660.D
 Acq: 5 Jan 2016 18:23

Tgt Ion:128 Resp: 6297116
 Ion Ratio Lower Upper
 128 100
 129 24.5 8.3 12.5#
 127 30.3 10.8 16.2#





#30

4-Chloroaniline

Concen: 879.65 ng/ul

RT: 10.98 min Scan# 1386

Delta R.T. -0.05 min

Lab File: BG020660.D

Acq: 5 Jan 2016 18:23

Instrument :

BNA_G

ClientSampleId :

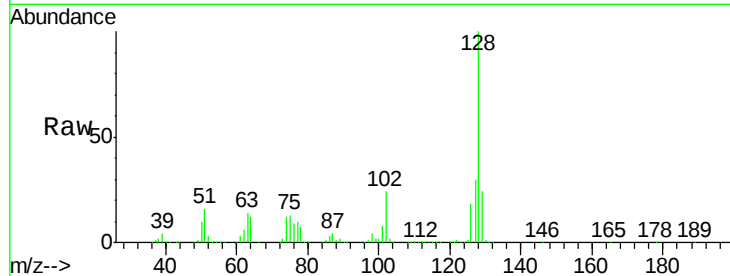
D9N61

Tgt Ion:127 Resp: 1457712

Ion Ratio Lower Upper

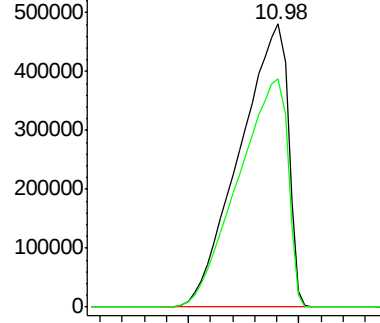
127 100

129 80.8 24.6 37.0#

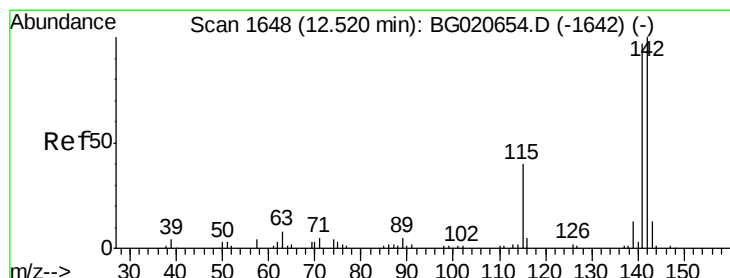
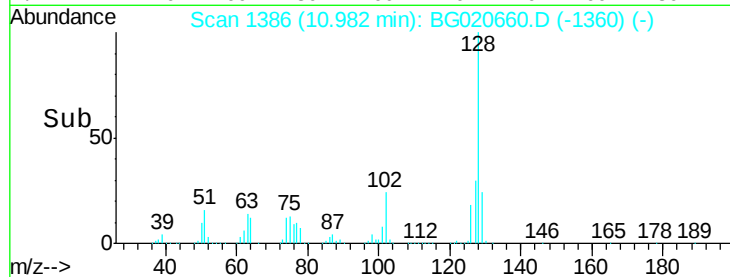


Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E



Time-->



#34

2-Methylnaphthalene

Concen: 365.00 ng/ul

RT: 12.54 min Scan# 1651

Delta R.T. 0.02 min

Lab File: BG020660.D

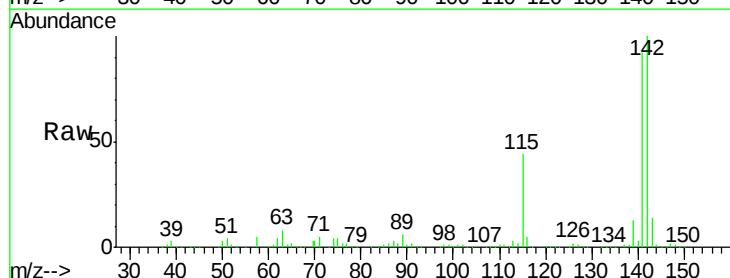
Acq: 5 Jan 2016 18:23

Tgt Ion:142 Resp: 1153358

Ion Ratio Lower Upper

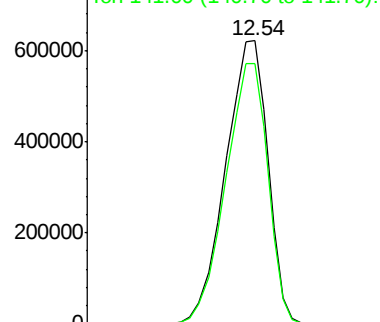
142 100

141 91.9 71.4 107.2

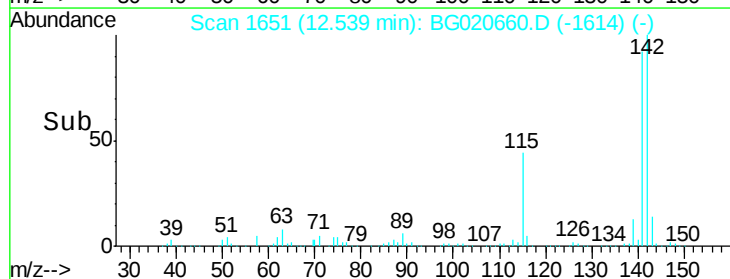


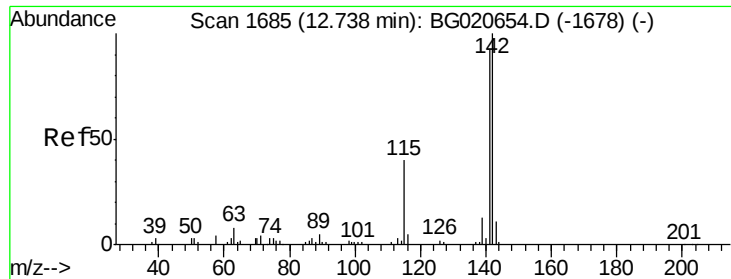
Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



Time-->

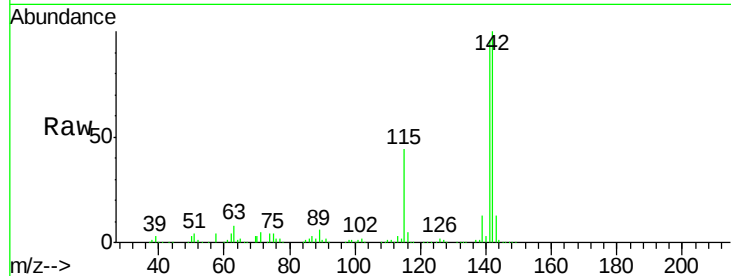




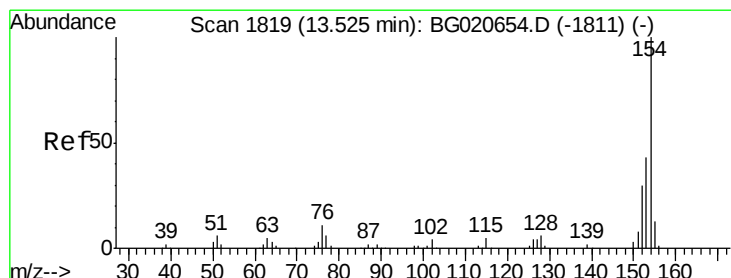
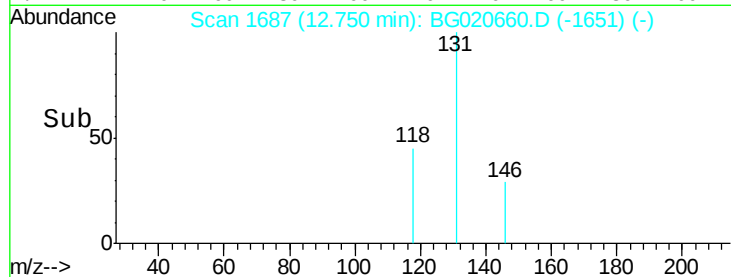
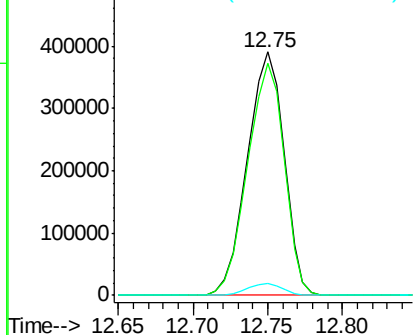
#35
 1-Methylnaphthalene
 Concen: 218.00 ng/ul
 RT: 12.75 min Scan# 1687
 Delta R.T. 0.01 min
 Lab File: BG020660.D
 Acq: 5 Jan 2016 18:23

Instrument :
 BNA_G
 ClientSampleId :
 D9N61

Tgt Ion:142 Resp: 664916
 Ion Ratio Lower Upper
 142 100
 141 95.5 76.6 115.0
 116 4.8 3.6 5.4

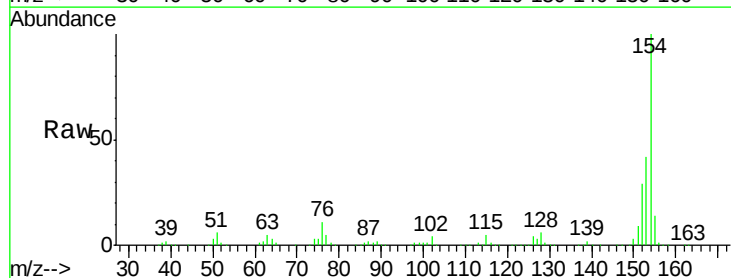


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 116.00 (115.70 to 116.70): E

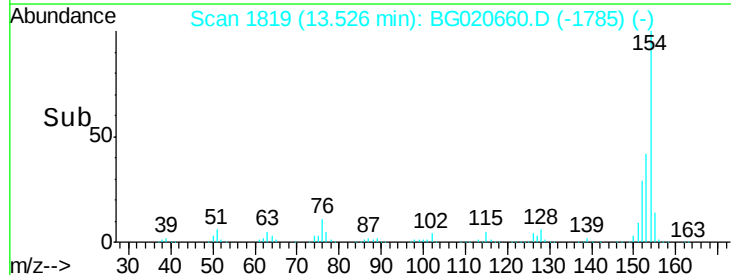
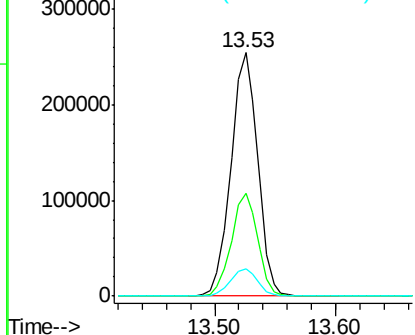


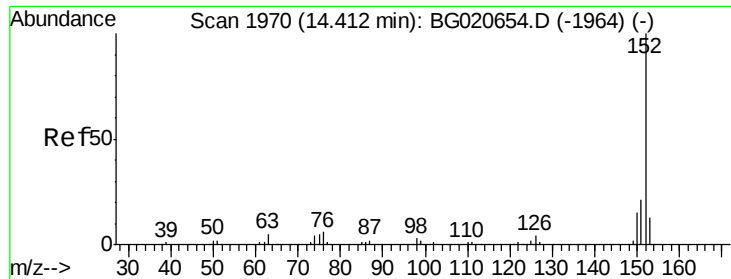
#41
 1,1'-Biphenyl
 Concen: 89.08 ng/ul
 RT: 13.53 min Scan# 1819
 Delta R.T. 0.00 min
 Lab File: BG020660.D
 Acq: 5 Jan 2016 18:23

Tgt Ion:154 Resp: 392137
 Ion Ratio Lower Upper
 154 100
 153 42.1 34.0 51.0
 76 11.0 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): BG





#48

Acenaphthylene

Concen: 27.41 ng/ul

RT: 14.41 min Scan# 1970

Delta R.T. 0.00 min

Lab File: BG020660.D

Acq: 5 Jan 2016 18:23

Instrument :

BNA_G

ClientSampleId :

D9N61

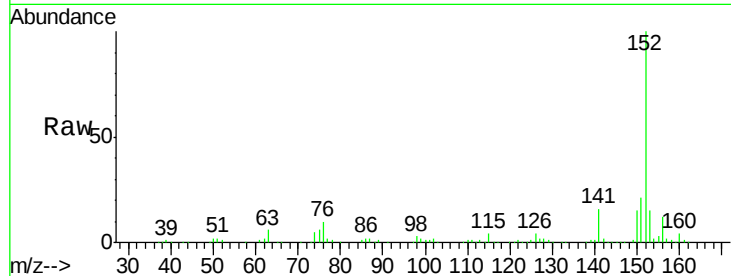
Tgt Ion:152 Resp: 158781

Ion Ratio Lower Upper

152 100

151 20.6 16.1 24.1

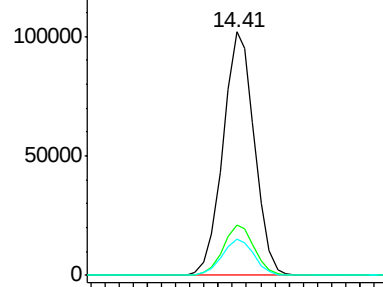
153 14.9 10.8 16.2



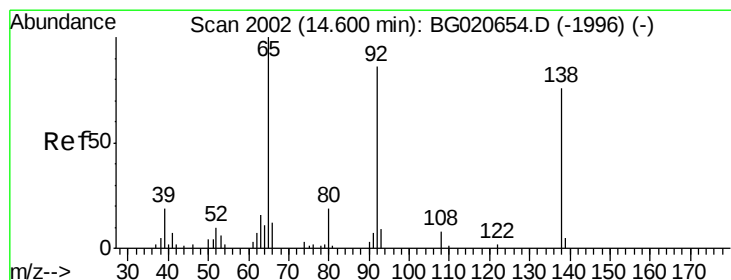
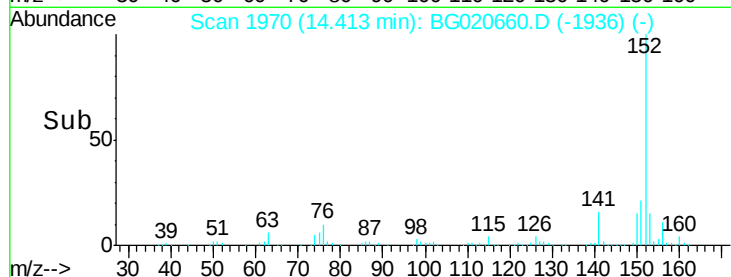
Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



Time-->



#49

3-Nitroaniline

Concen: 1.70 ng/ul

RT: 14.77 min Scan# 2031

Delta R.T. 0.17 min

Lab File: BG020660.D

Acq: 5 Jan 2016 18:23

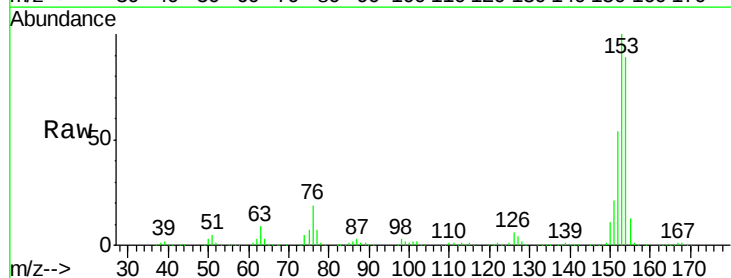
Tgt Ion:138 Resp: 1569

Ion Ratio Lower Upper

138 100

108 26.0 7.6 11.4#

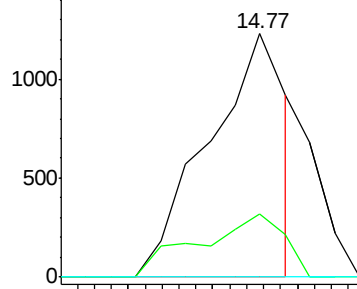
92 0.0 94.2 141.2#



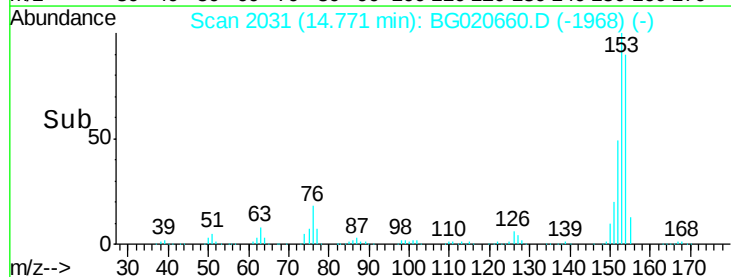
Abundance Ion 138.00 (137.70 to 138.70): E

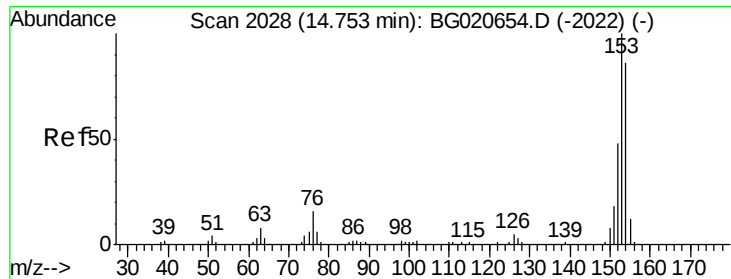
Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BGC



Time-->





#50

Acenaphthene

Concen: 388.02 ng/ul

RT: 14.77 min Scan# 2031

Delta R.T. 0.02 min

Lab File: BG020660.D

Acq: 5 Jan 2016 18:23

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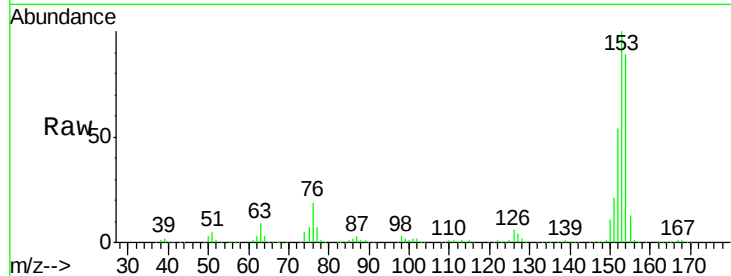
Tgt Ion:153 Resp: 1520961

Ion Ratio Lower Upper

153 100

152 53.5 37.9 56.9

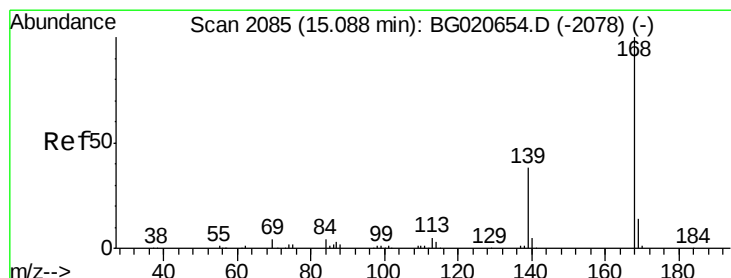
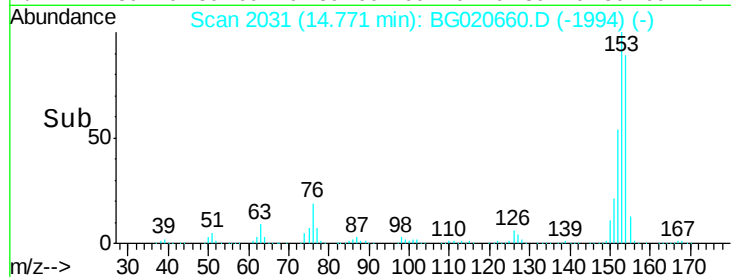
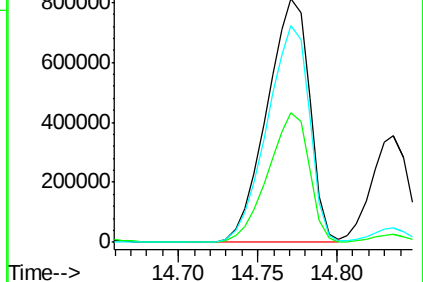
154 88.9 69.8 104.6



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

Dibenzofuran

Concen: 212.14 ng/ul

RT: 15.10 min Scan# 2087

Delta R.T. 0.01 min

Lab File: BG020660.D

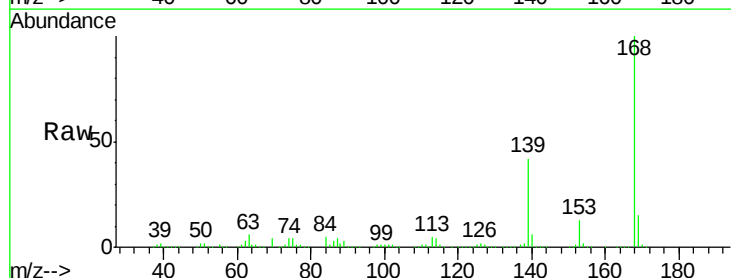
Acq: 5 Jan 2016 18:23

Tgt Ion:168 Resp: 1256646

Ion Ratio Lower Upper

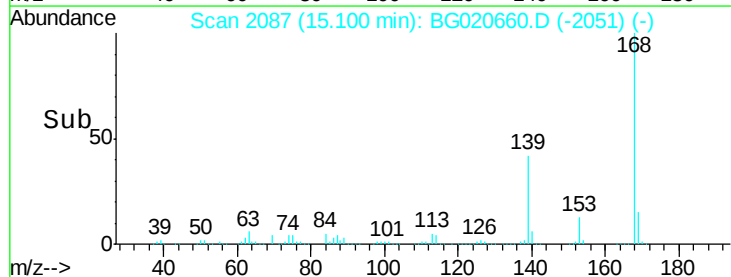
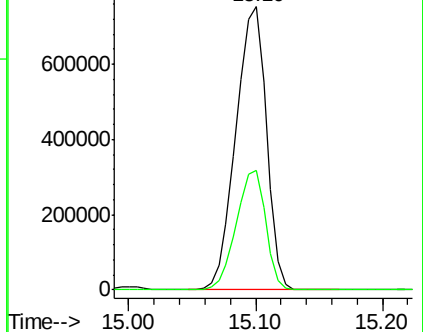
168 100

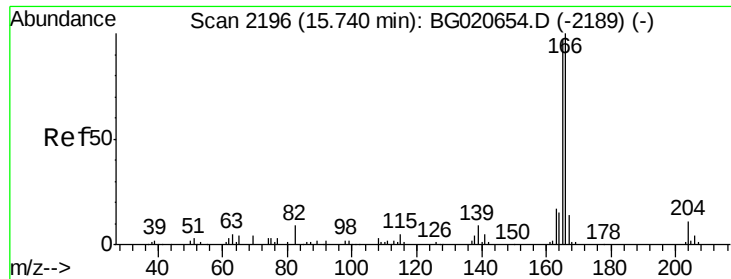
139 42.3 31.0 46.4



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#59

Fluorene

Concen: 201.38 ng/ul

RT: 15.75 min Scan# 2197

Delta R.T. 0.01 min

Lab File: BG020660.D

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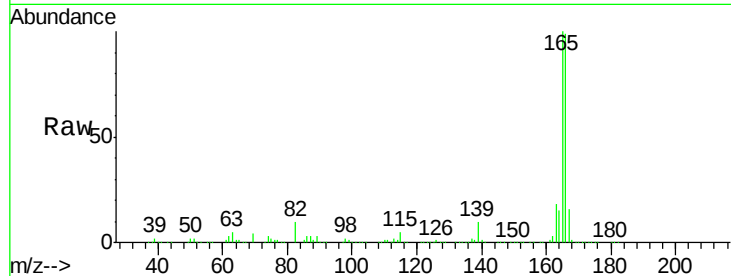
Tgt Ion:166 Resp: 959555

Ion Ratio Lower Upper

166 100

165 101.5 78.4 117.6

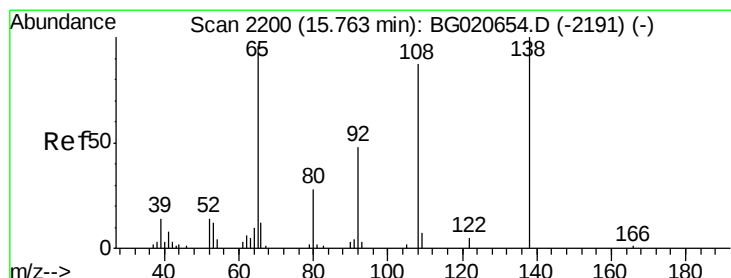
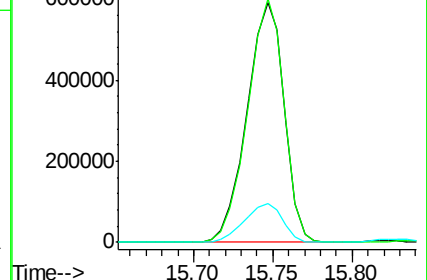
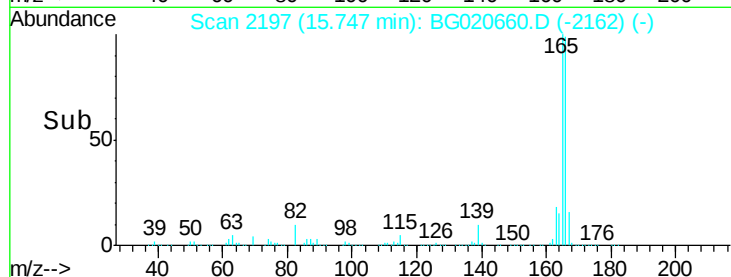
167 16.1 11.1 16.7



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: 12.88 ng/ul

RT: 15.75 min Scan# 2197

Delta R.T. -0.02 min

Lab File: BG020660.D

Acq: 5 Jan 2016 18:23

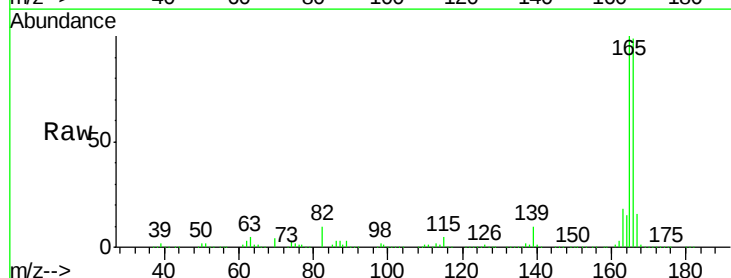
Tgt Ion:138 Resp: 12998

Ion Ratio Lower Upper

138 100

92 2.0 38.2 57.4#

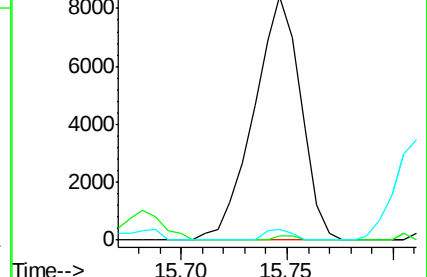
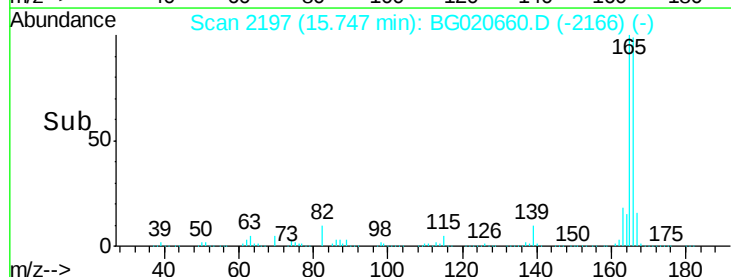
108 4.1 70.0 105.0#

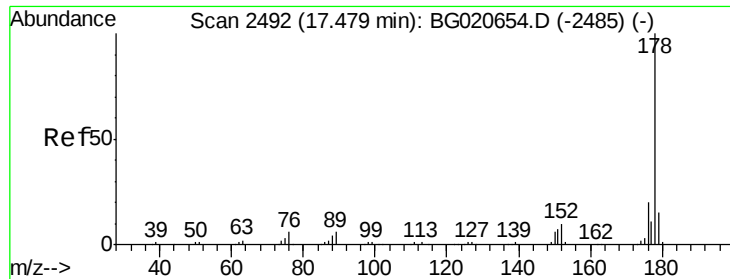


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BG

Ion 108.00 (107.70 to 108.70): E





#70

Phenanthrene

Concen: 13.69 ng/ul

RT: 17.57 min Scan# 2508

Delta R.T. 0.09 min

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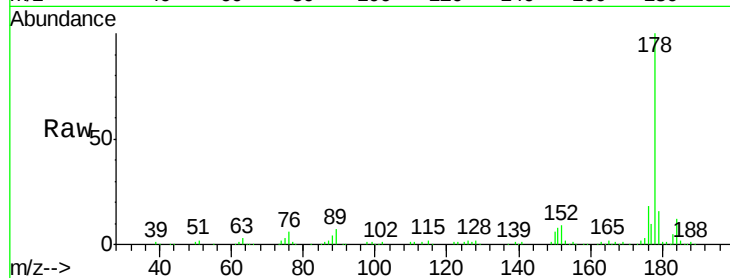
Tgt Ion:178 Resp: 101403

Ion Ratio Lower Upper

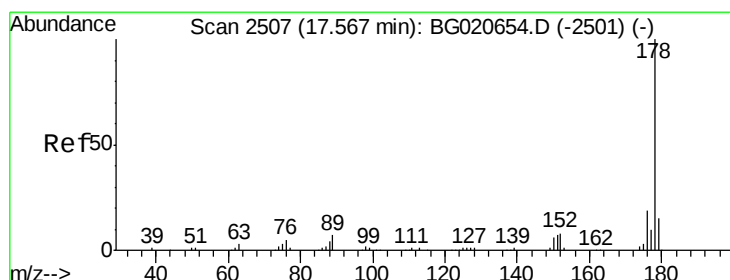
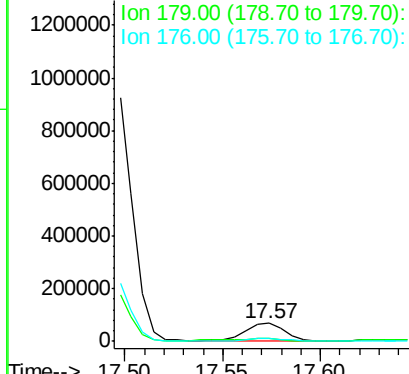
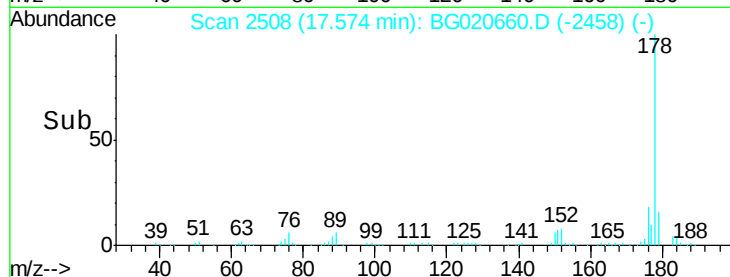
178 100

179 16.0 12.3 18.5

176 18.4 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: 13.53 ng/ul

RT: 17.57 min Scan# 2508

Delta R.T. 0.01 min

Lab File: BG020660.D

Acq: 5 Jan 2016 18:23

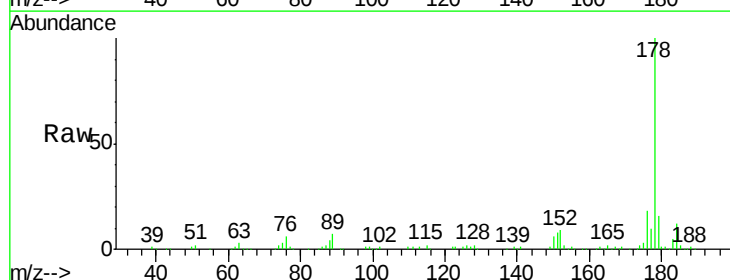
Tgt Ion:178 Resp: 102496

Ion Ratio Lower Upper

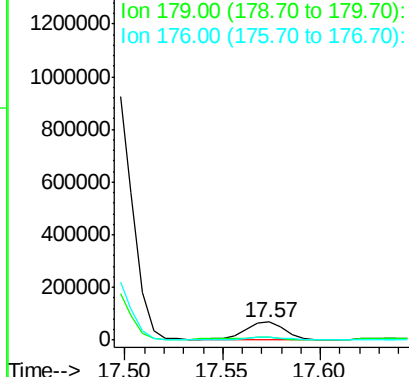
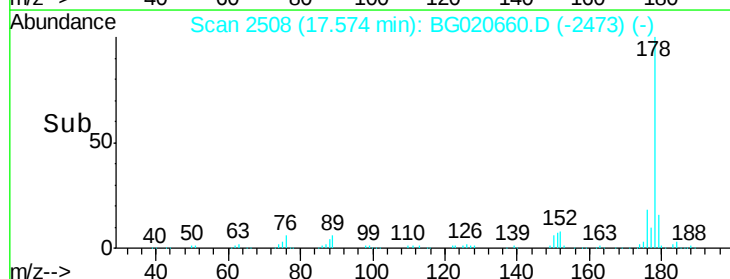
178 100

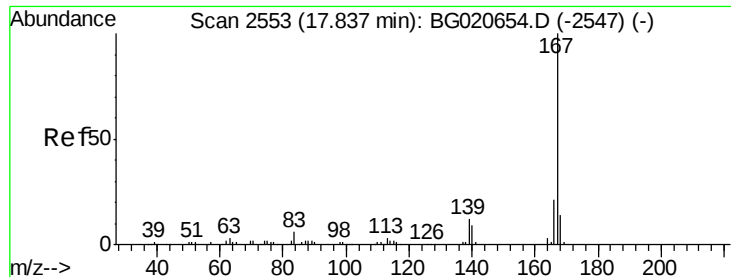
179 16.0 13.4 20.2

176 18.4 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: 191.16 ng/ul

RT: 17.85 min Scan# 2555

Delta R.T. 0.01 min

Lab File: BG020660.D

Acq: 5 Jan 2016 18:23

Instrument :

BNA_G

ClientSampleId :

D9N61

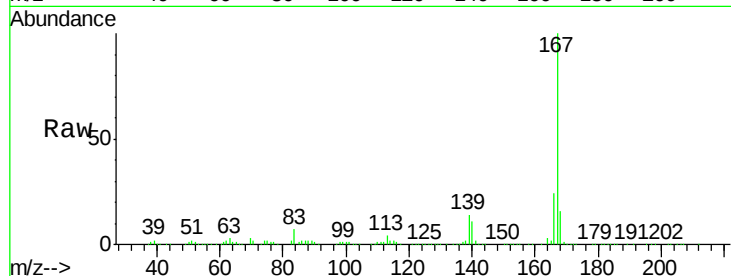
Tgt Ion:167 Resp: 1221966

Ion Ratio Lower Upper

167 100

166 24.3 17.0 25.4

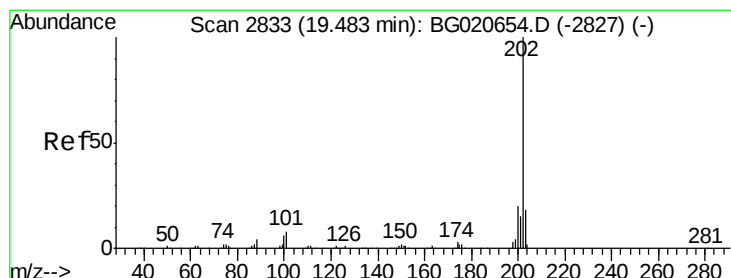
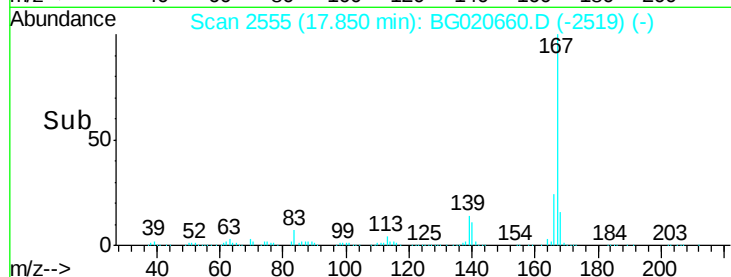
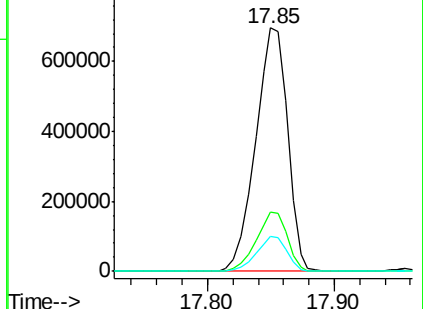
139 14.4 9.1 13.7#



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: 43.96 ng/ul

RT: 19.49 min Scan# 2834

Delta R.T. 0.01 min

Lab File: BG020660.D

Acq: 5 Jan 2016 18:23

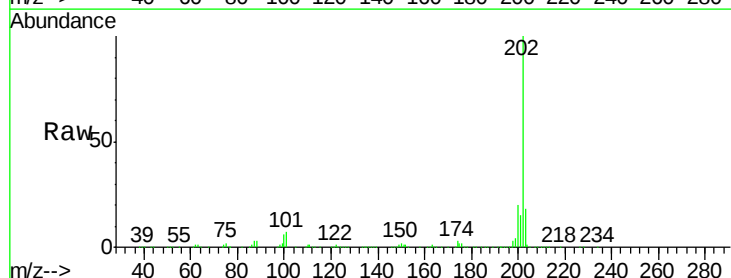
Tgt Ion:202 Resp: 397765

Ion Ratio Lower Upper

202 100

101 7.0 6.1 9.1

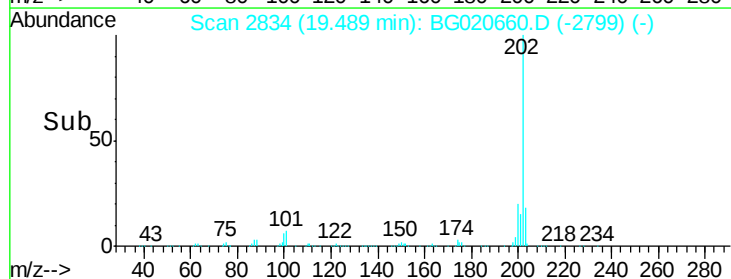
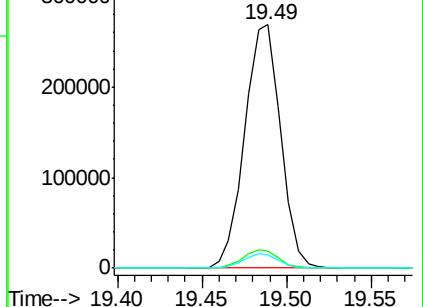
100 5.5 4.6 7.0

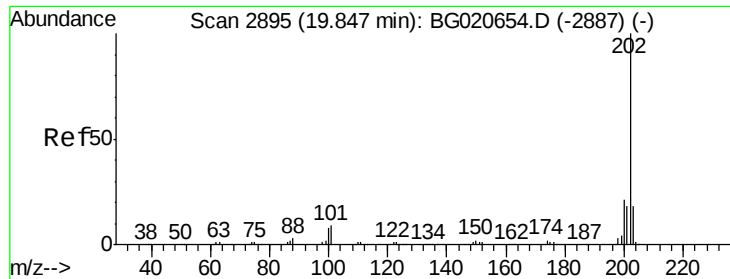


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

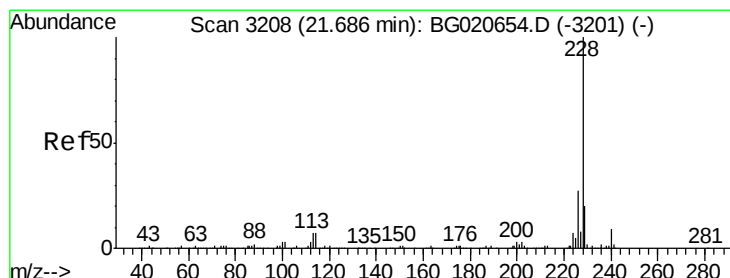
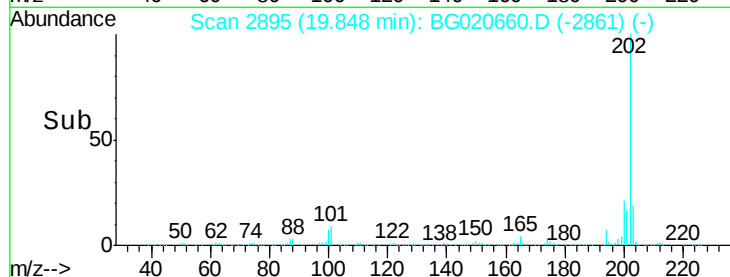
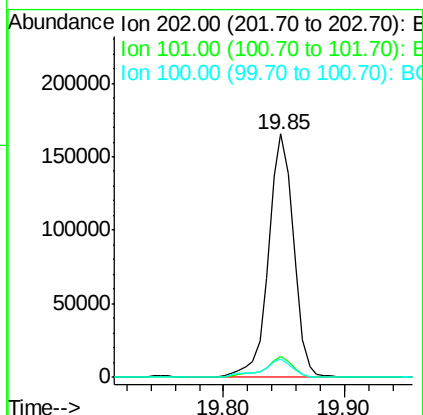
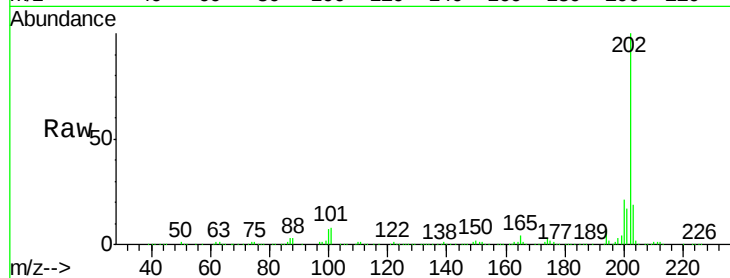




#80
Pyrene
Concen: 24.49 ng/u1
RT: 19.85 min Scan# 2895
Delta R.T. 0.00 min
Lab File: BG020660.D
Acq: 5 Jan 2016 18:23

Instrument :
BNA_G
ClientSampleId :
D9N61

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.5	6.9	10.3
100	7.4	5.6	8.4



#83
Benzo(a)anthracene
Concen: 1.02 ng/u1
RT: 21.69 min Scan# 3208
Delta R.T. 0.00 min
Lab File: BG020660.D
Acq: 5 Jan 2016 18:23

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.0	16.0	24.0
226	28.7	21.8	32.8

