

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122615\
 Data File : BG020553.D
 Acq On : 27 Dec 2015 13:19
 Operator : UM/SJ
 Sample : G4846-17
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N63

Quant Time: Dec 28 02:43:10 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Dec 28 02:38:20 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.08	152	20605	20.00	ng/ul	0.00
18) Naphthalene-d8	10.91	136	91593	20.00	ng/ul	0.02
36) Acenaphthene-d10	14.72	164	65546	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.46	188	153555	20.00	ng/ul	0.00
78) Chrysene-d12	21.73	240	177310	20.00	ng/ul	0.00
86) Perylene-d12	25.01	264	143141	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.45	96	420	1.12	ng/uL	0.00
5) Phenol-d5	7.24	99	14752	8.92	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.40	67	34920	35.65	ng/ul	0.00
9) 2-Chlorophenol-d4	7.61	132	38025	29.98	ng/ul	0.00
13) 4-Methylphenol-d8	8.78	113	28295	20.34	ng/ul	0.00
19) Nitrobenzene-d5	9.25	128	25388	35.36	ng/ul	0.00
22) 2-Nitrophenol-d4	9.98	143	30277	37.09	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.52	165	52616	33.31	ng/ul	0.00
29) 4-Chloroaniline-d4	11.05	131	2494	1.38	ng/ul	0.02
44) Dimethylphthalate-d6	14.12	166	182312	33.75	ng/ul	0.00
47) Acenaphthylene-d8	14.41	160	217588	34.76	ng/ul	0.00
52) 4-Nitrophenol-d4	14.92	143	6190	6.87	ng/ul	0.00
58) Fluorene-d10	15.70	176	168801	34.55	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.83	200	21850	21.47	ng/ul	0.00
71) Anthracene-d10	17.57	188	259358	36.06	ng/ul	0.01
79) Pyrene-d10	19.84	212	288688	37.61	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.78	264	311317	43.02	ng/ul	0.00

Target Compounds

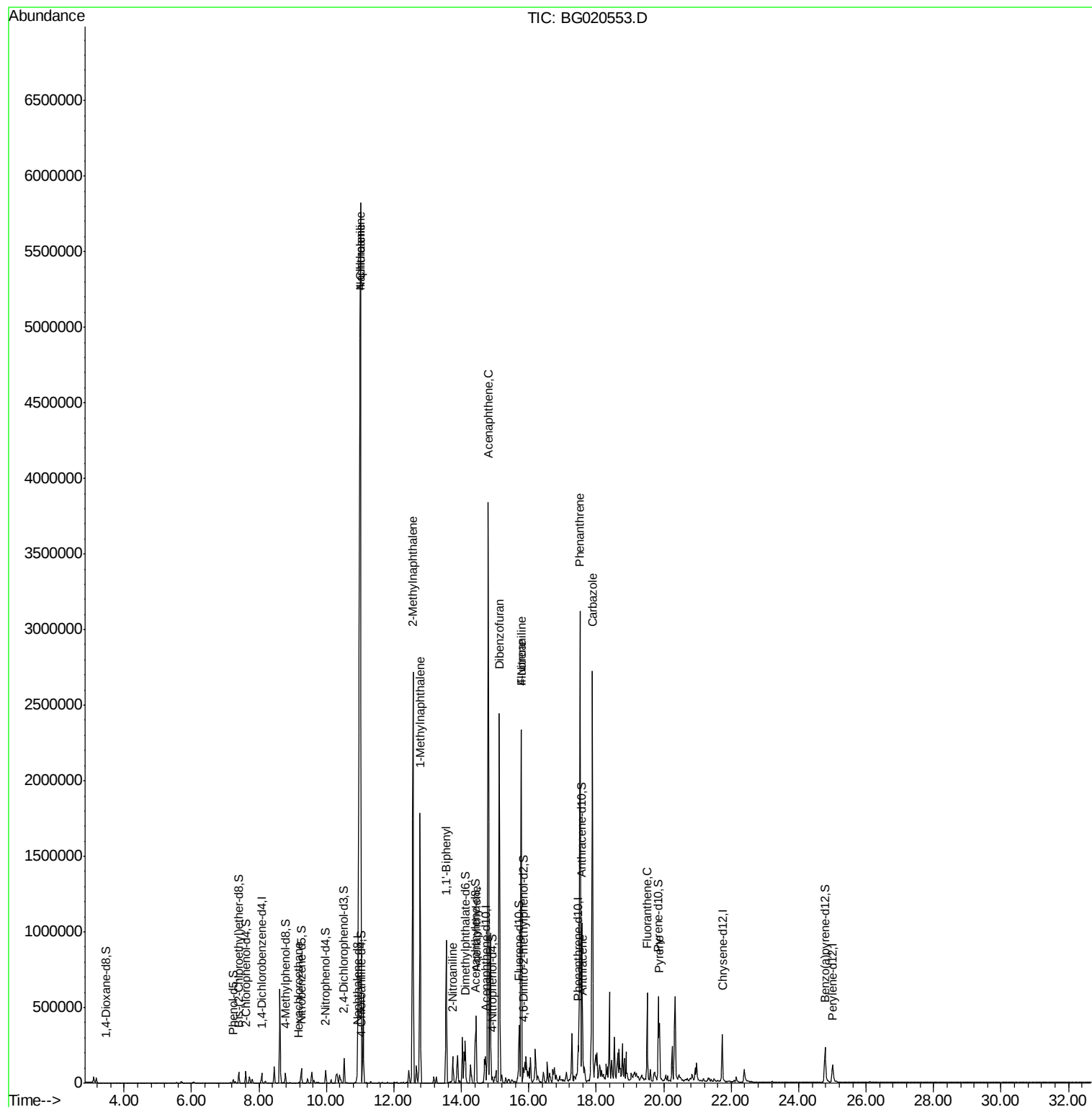
						Qvalue
17) Hexachloroethane	9.18	117	2058	3.68	ng/ul#	1
28) Naphthalene	11.01	128	6581046	1351.62	ng/ul#	56
30) 4-Chloroaniline	11.01	127	1579547	868.07	ng/ul#	12
34) 2-Methylnaphthalene	12.57	142	1436497	398.73	ng/ul	98
35) 1-Methylnaphthalene	12.78	142	854114	249.57	ng/ul#	96
41) 1,1'-Biphenyl	13.55	154	501262	99.09	ng/ul	97
43) 2-Nitroaniline	13.74	65	1247	1.09	ng/ul#	24
48) Acenaphthylene	14.44	152	263955	40.12	ng/ul	98
50) Acenaphthene	14.80	153	1886477	424.12	ng/ul	91
54) Dibenzofuran	15.12	168	1614221	243.93	ng/ul	90
59) Fluorene	15.78	166	1175106	219.13	ng/ul	98
61) 4-Nitroaniline	15.77	138	15679	13.53	ng/ul#	12
70) Phenanthrene	17.52	178	2104555	246.32	ng/ul#	86
72) Anthracene	17.60	178	127533	14.60	ng/ul#	90
75) Carbazole	17.89	167	2144863	291.32	ng/ul#	87
77) Fluoranthene	19.51	202	395905	36.85	ng/ul	98
80) Pyrene	19.87	202	226384	22.58	ng/ul	99

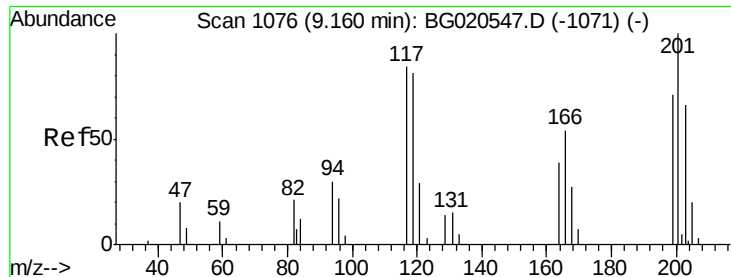
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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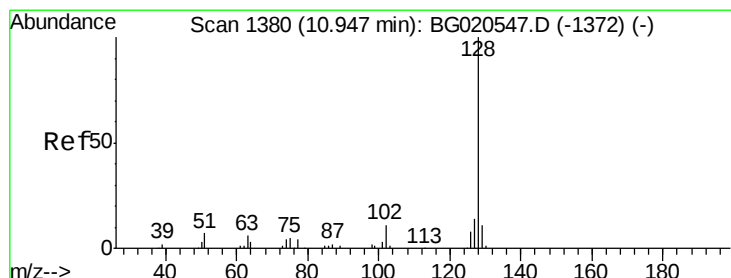
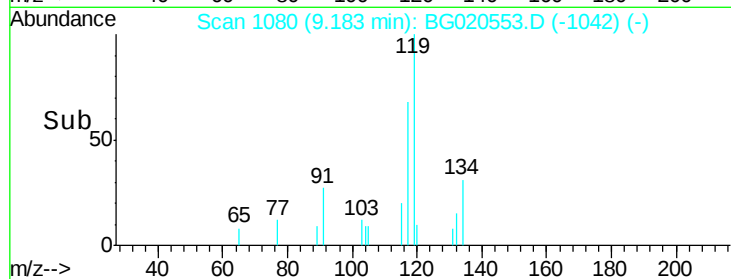
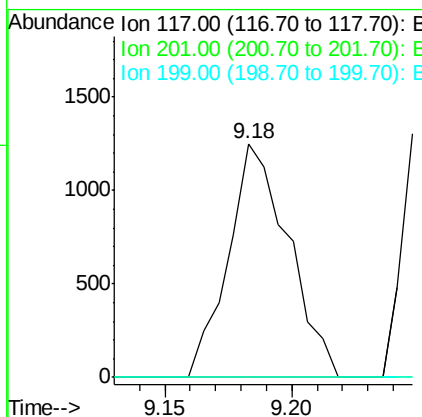
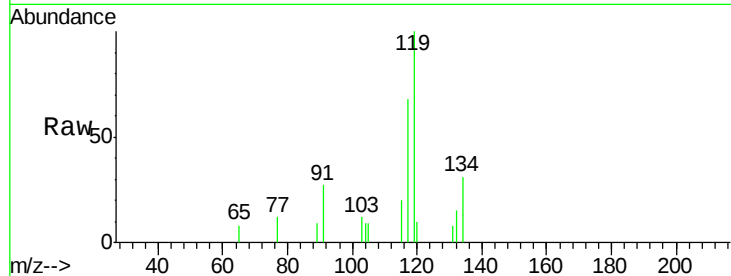




#17
 Hexachloroethane
 Concen: 3.68 ng/ul
 RT: 9.18 min Scan# 1080
 Delta R.T. 0.02 min
 Lab File: BG020553.D
 Acq: 27 Dec 2015 13:19

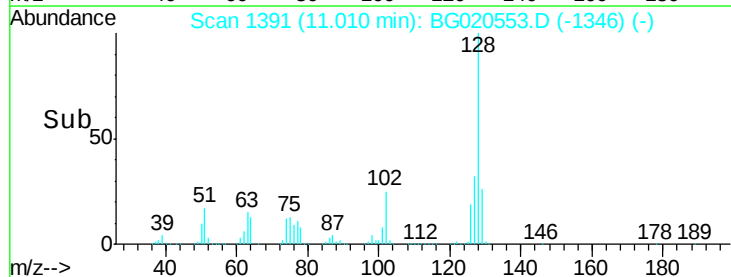
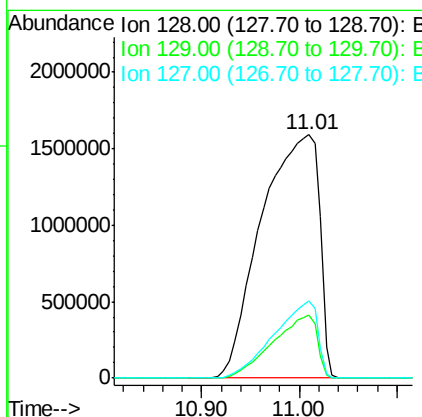
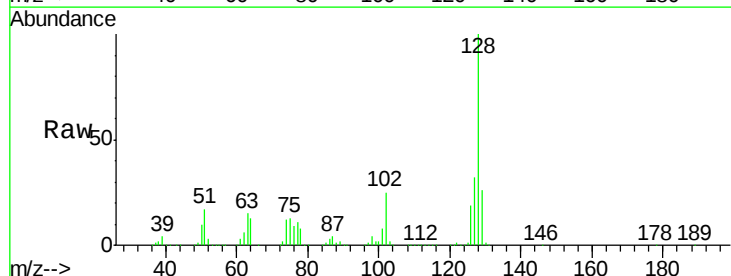
Instrument :
 BNA_G
 ClientSampleId :
 D9N63

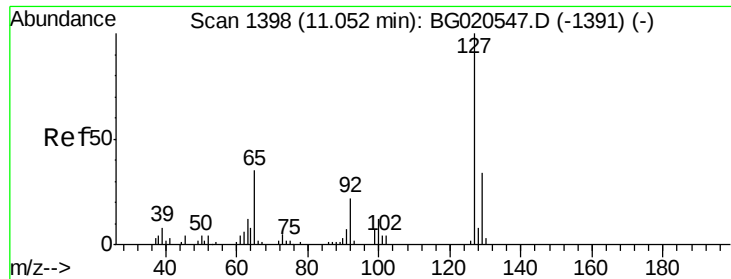
Tgt Ion:117 Resp: 2058
 Ion Ratio Lower Upper
 117 100
 201 0.0 102.7 154.1#
 199 0.0 65.8 98.8#



#28
 Naphthalene
 Concen: 1351.62 ng/ul
 RT: 11.01 min Scan# 1391
 Delta R.T. 0.06 min
 Lab File: BG020553.D
 Acq: 27 Dec 2015 13:19

Tgt Ion:128 Resp: 6581046
 Ion Ratio Lower Upper
 128 100
 129 25.7 8.6 12.8#
 127 31.6 10.1 15.1#

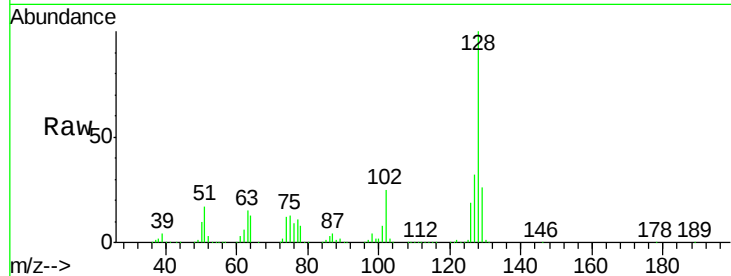




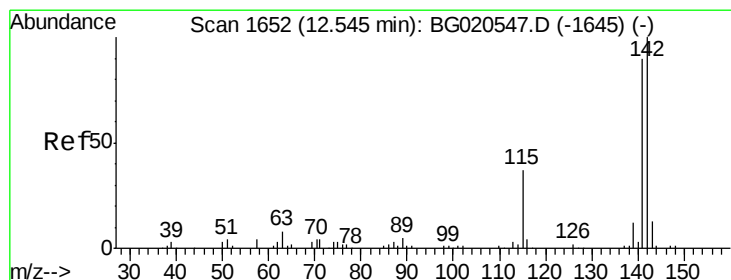
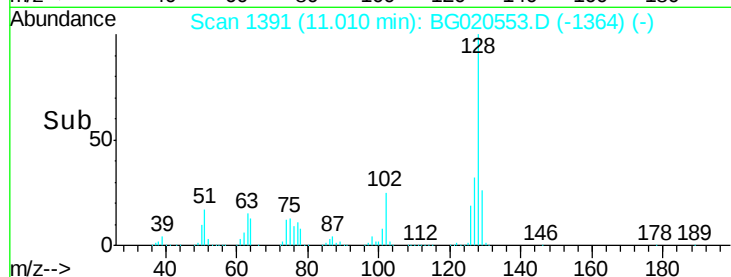
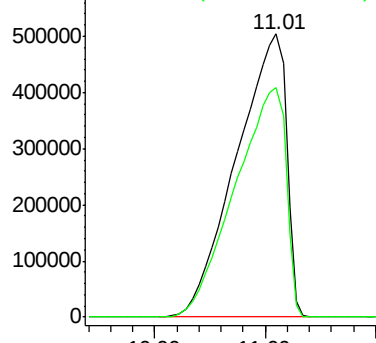
#30
4-Chloroaniline
Concen: 868.07 ng/ul
RT: 11.01 min Scan# 1391
Delta R.T. -0.04 min
Lab File: BG020553.D
Acq: 27 Dec 2015 13:19

Instrument :
BNA_G
ClientSampleId :
D9N63

Tgt Ion:127 Resp: 1579547
Ion Ratio Lower Upper
127 100
129 81.2 25.7 38.5#

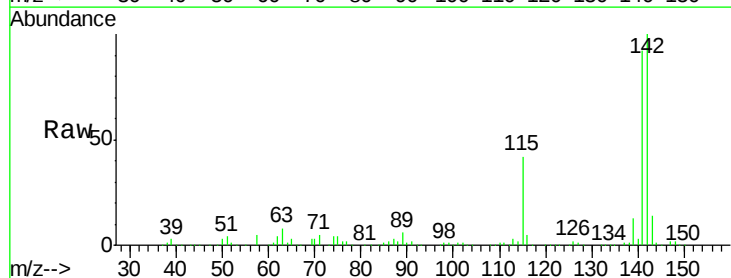


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E

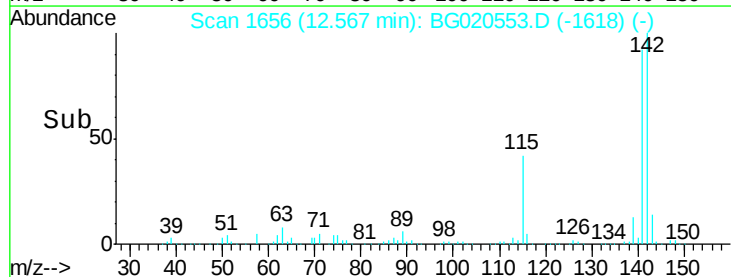
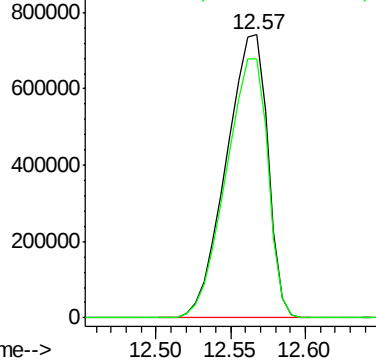


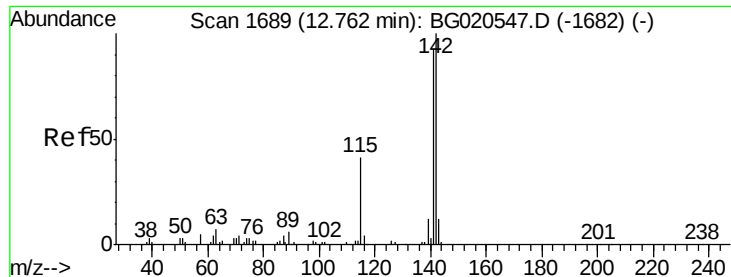
#34
2-Methylnaphthalene
Concen: 398.73 ng/ul
RT: 12.57 min Scan# 1656
Delta R.T. 0.02 min
Lab File: BG020553.D
Acq: 27 Dec 2015 13:19

Tgt Ion:142 Resp: 1436497
Ion Ratio Lower Upper
142 100
141 91.7 74.9 112.3



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

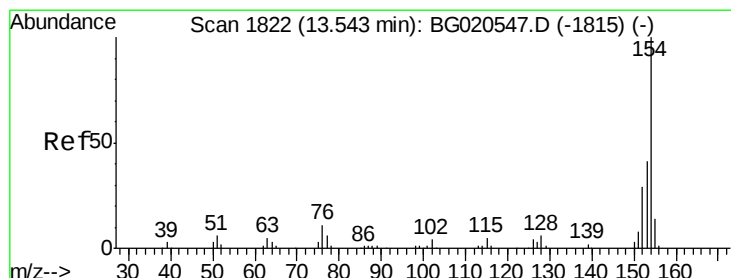
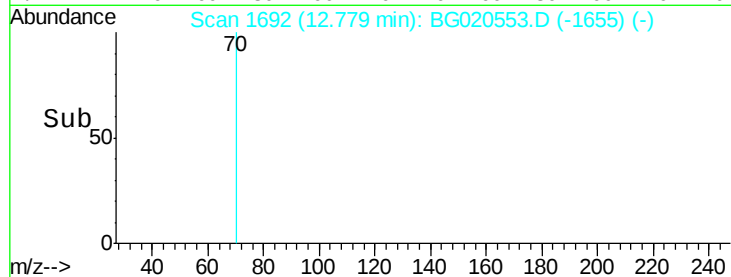
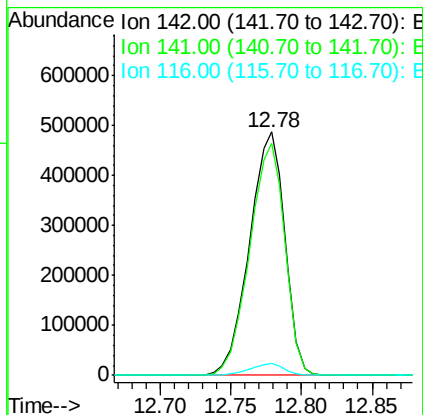
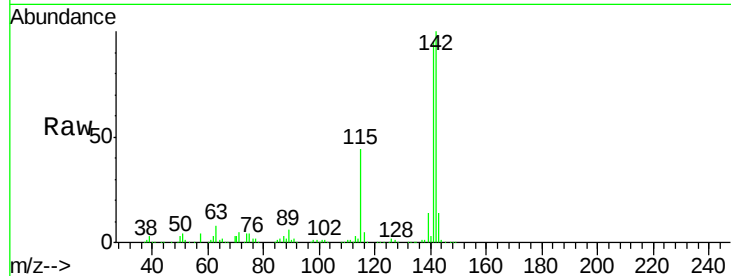




#35
 1-Methylnaphthalene
 Concen: 249.57 ng/ul
 RT: 12.78 min Scan# 1692
 Delta R.T. 0.02 min
 Lab File: BG020553.D
 Acq: 27 Dec 2015 13:19

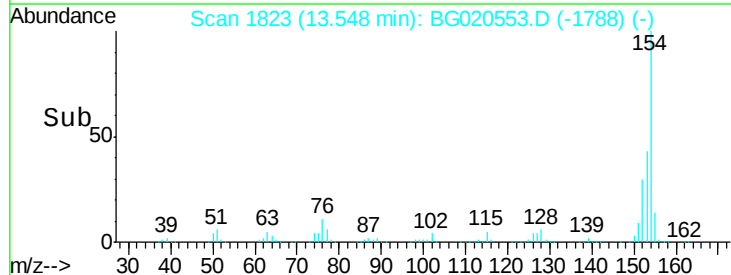
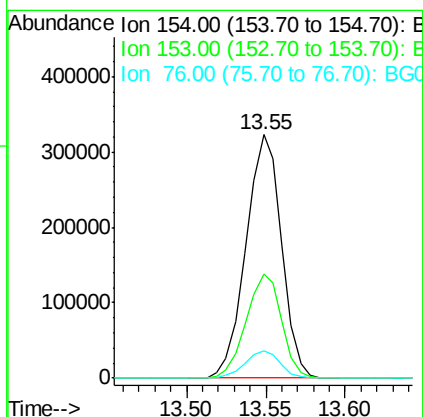
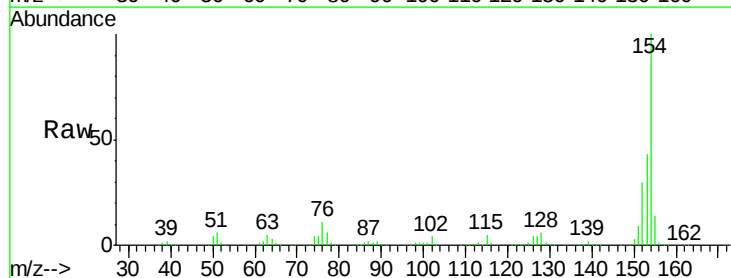
Instrument :
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 ClientSampleId :
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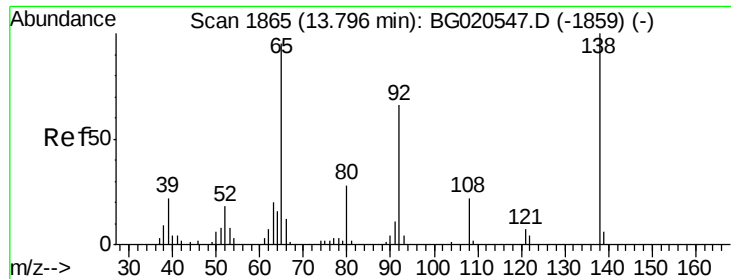
Tgt Ion:142 Resp: 854114
 Ion Ratio Lower Upper
 142 100
 141 95.3 73.0 109.6
 116 4.7 3.0 4.6#



#41
 1,1'-Biphenyl
 Concen: 99.09 ng/ul
 RT: 13.55 min Scan# 1823
 Delta R.T. 0.00 min
 Lab File: BG020553.D
 Acq: 27 Dec 2015 13:19

Tgt Ion:154 Resp: 501262
 Ion Ratio Lower Upper
 154 100
 153 42.5 35.5 53.3
 76 11.3 10.4 15.6

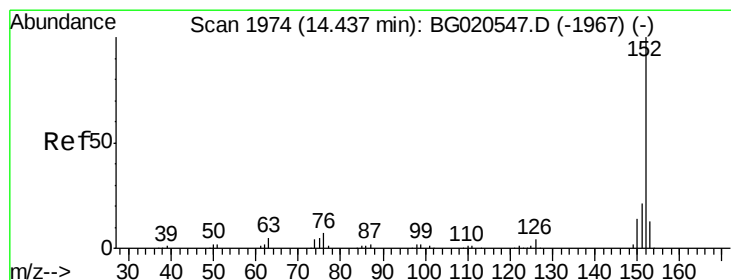
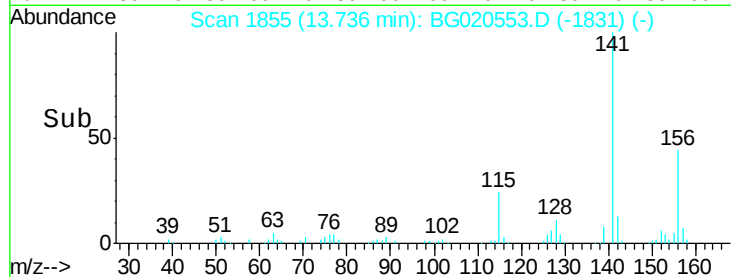
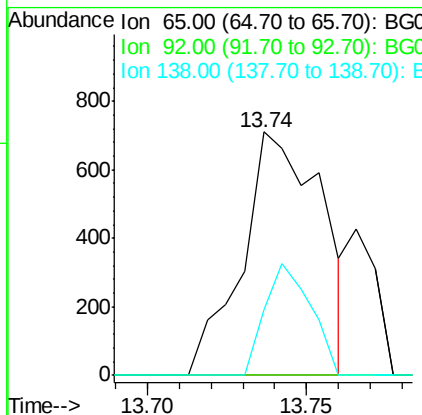
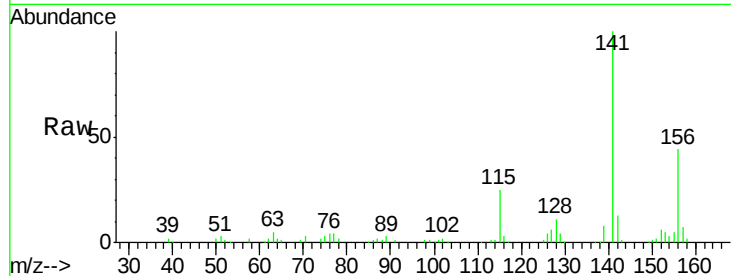




#43
2-Nitroaniline
Concen: 1.09 ng/ul
RT: 13.74 min Scan# 1855
Delta R.T. -0.06 min
Lab File: BG020553.D
Acq: 27 Dec 2015 13:19

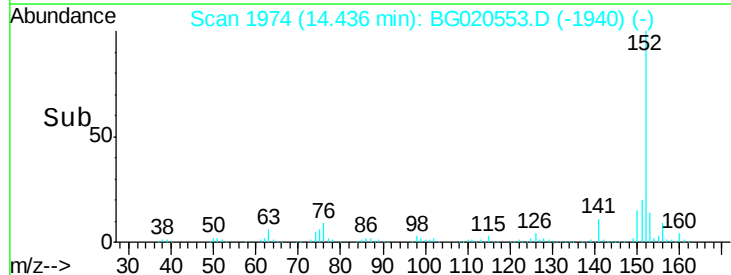
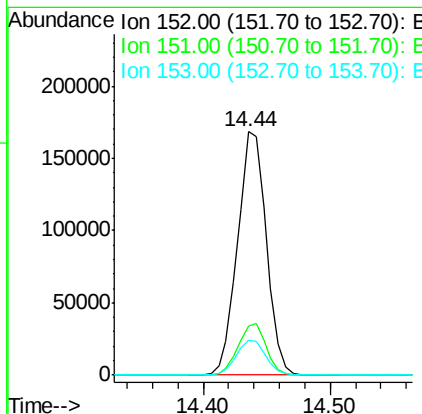
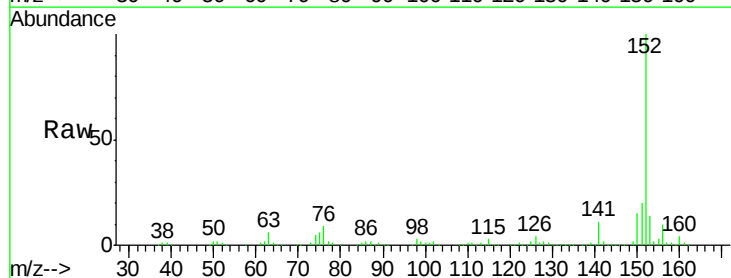
Instrument :
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ClientSampleId :
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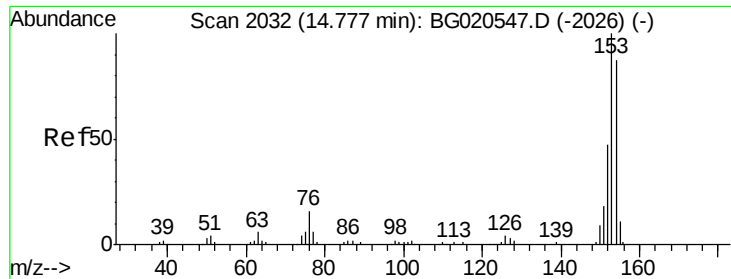
Tgt Ion: 65 Resp: 1247
Ion Ratio Lower Upper
65 100
92 0.0 53.1 79.7#
138 27.0 76.6 114.8#



#48
Acenaphthylene
Concen: 40.12 ng/ul
RT: 14.44 min Scan# 1974
Delta R.T. -0.00 min
Lab File: BG020553.D
Acq: 27 Dec 2015 13:19

Tgt Ion: 152 Resp: 263955
Ion Ratio Lower Upper
152 100
151 20.1 16.4 24.6
153 14.3 10.4 15.6





#50

Acenaphthene

Concen: 424.12 ng/ul

RT: 14.80 min Scan# 2036

Delta R.T. 0.02 min

Lab File: BG020553.D

Acq: 27 Dec 2015 13:19

Instrument :

BNA_G

ClientSampleId :

D9N63

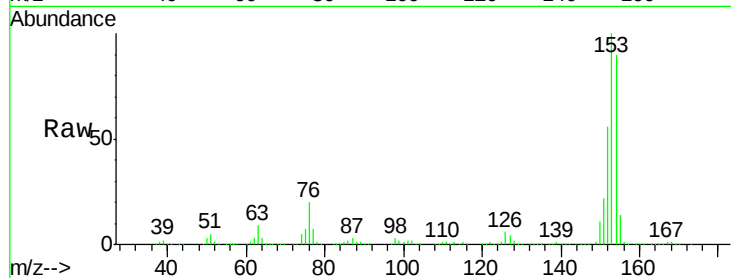
Tgt Ion:153 Resp: 1886477

Ion Ratio Lower Upper

153 100

152 55.8 37.6 56.4

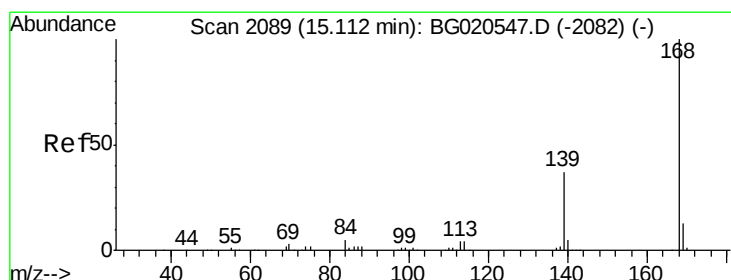
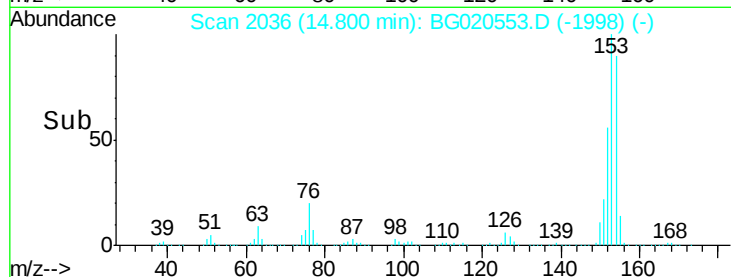
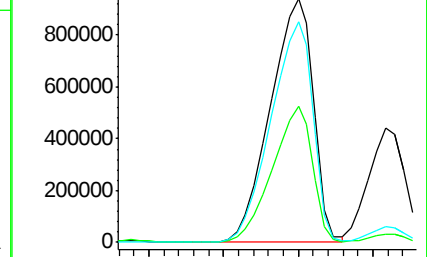
154 90.4 67.9 101.9



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: 243.93 ng/ul

RT: 15.12 min Scan# 2091

Delta R.T. 0.01 min

Lab File: BG020553.D

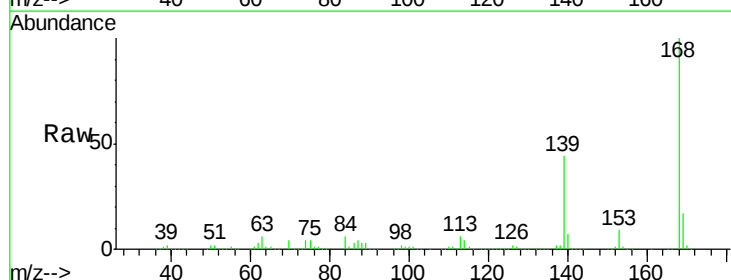
Acq: 27 Dec 2015 13:19

Tgt Ion:168 Resp: 1614221

Ion Ratio Lower Upper

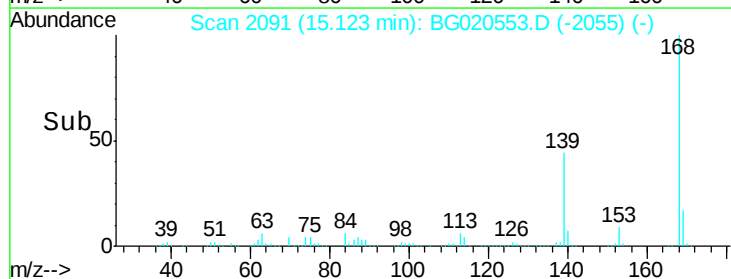
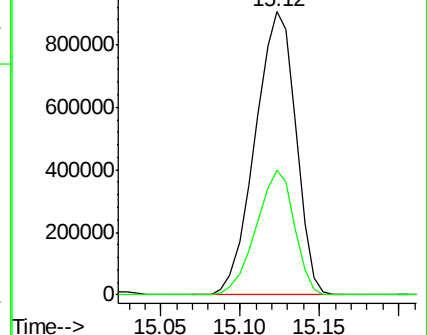
168 100

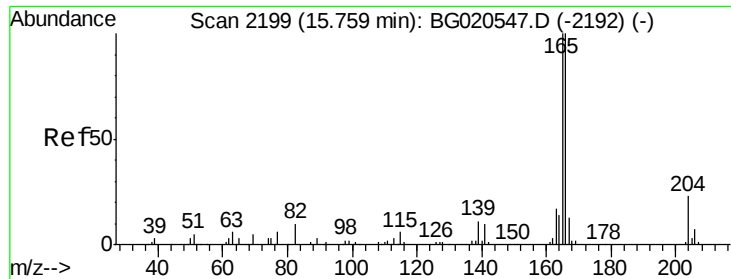
139 44.0 30.5 45.7



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#59

Fluorene

Concen: 219.13 ng/ul

RT: 15.78 min Scan# 2202

Delta R.T. 0.02 min

Lab File: BG020553.D

Acq: 27 Dec 2015 13:19

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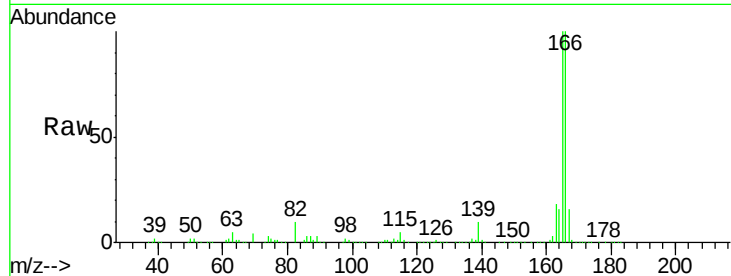
Tgt Ion:166 Resp: 1175106

Ion Ratio Lower Upper

166 100

165 100.1 81.4 122.0

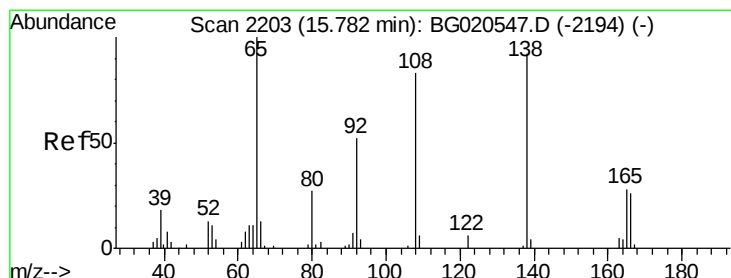
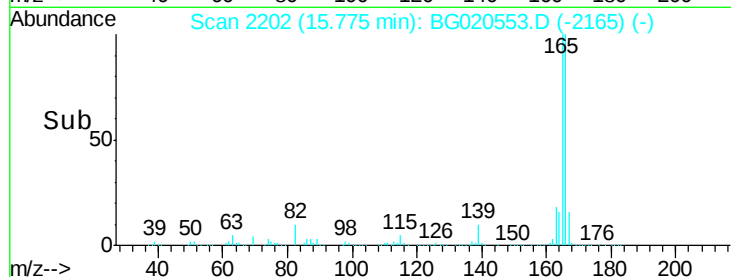
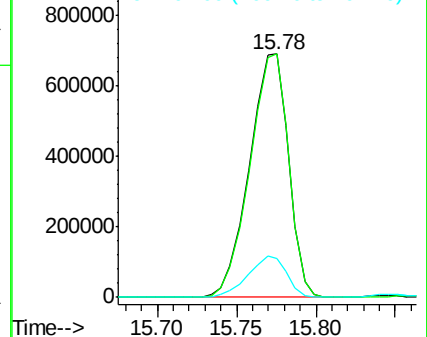
167 16.0 11.2 16.8



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: 13.53 ng/ul

RT: 15.77 min Scan# 2201

Delta R.T. -0.01 min

Lab File: BG020553.D

Acq: 27 Dec 2015 13:19

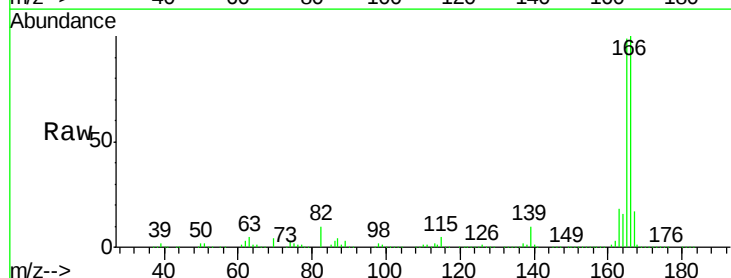
Tgt Ion:138 Resp: 15679

Ion Ratio Lower Upper

138 100

92 0.0 45.2 67.8#

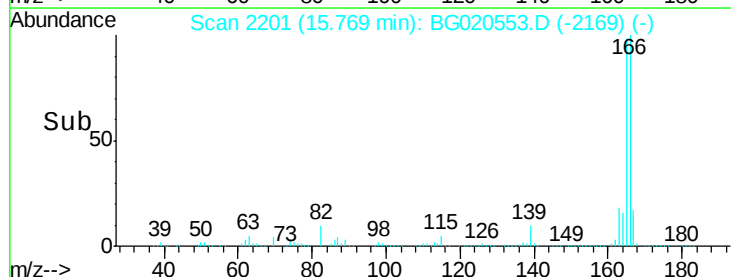
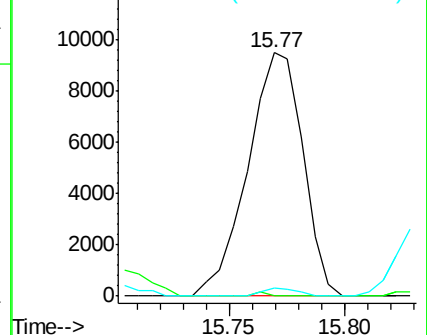
108 3.3 75.4 113.0#

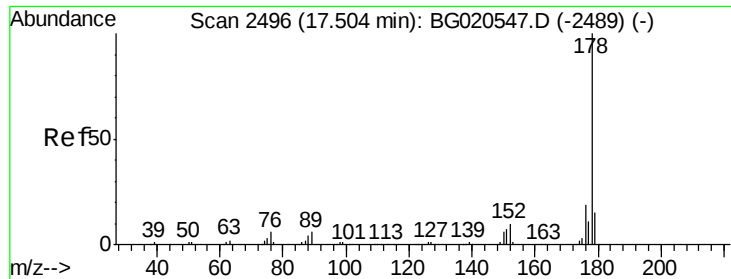


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BG0

Ion 108.00 (107.70 to 108.70): E





#70

Phenanthrene

Concen: 246.32 ng/ul

RT: 17.52 min Scan# 2499

Delta R.T. 0.02 min

Lab File: BG020553.D

Acq: 27 Dec 2015 13:19

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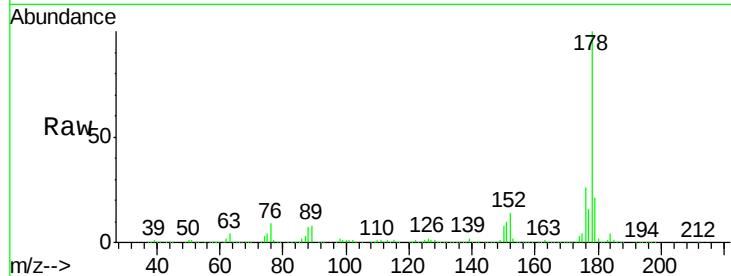
Tgt Ion:178 Resp: 2104555

Ion Ratio Lower Upper

178 100

179 21.1 12.9 19.3#

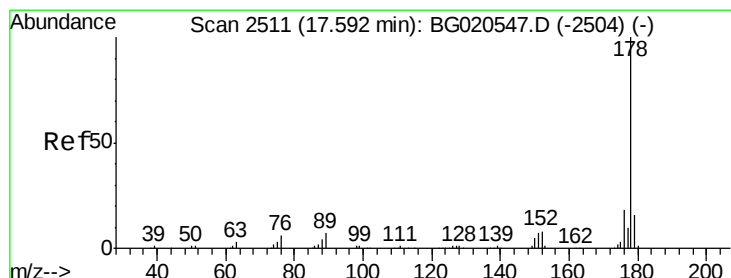
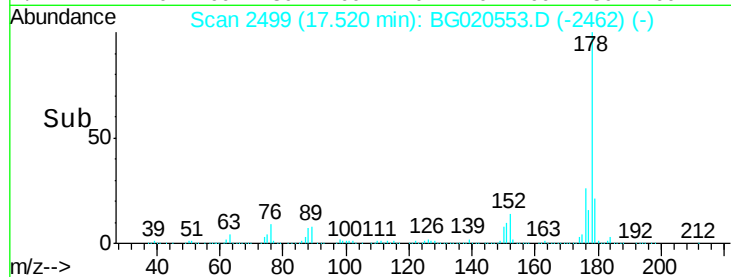
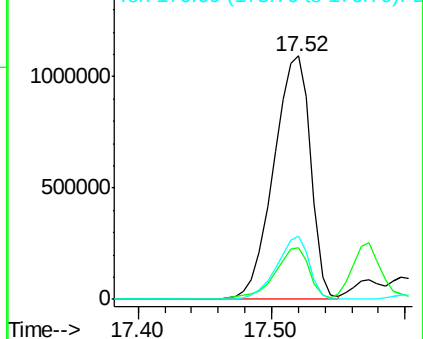
176 25.9 15.3 22.9#



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: 14.60 ng/ul

RT: 17.60 min Scan# 2512

Delta R.T. 0.00 min

Lab File: BG020553.D

Acq: 27 Dec 2015 13:19

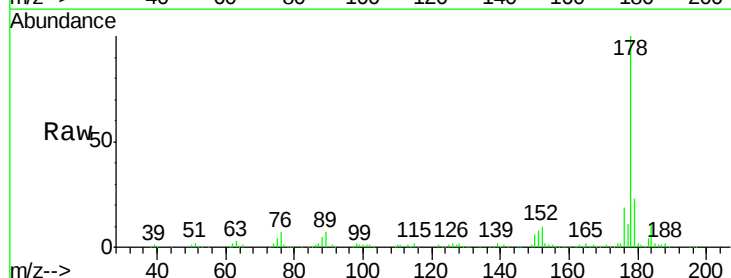
Tgt Ion:178 Resp: 127533

Ion Ratio Lower Upper

178 100

179 23.1 12.3 18.5#

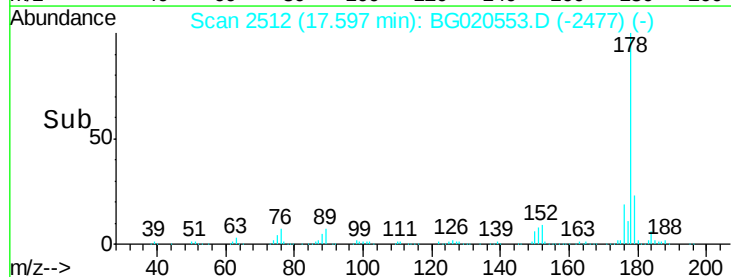
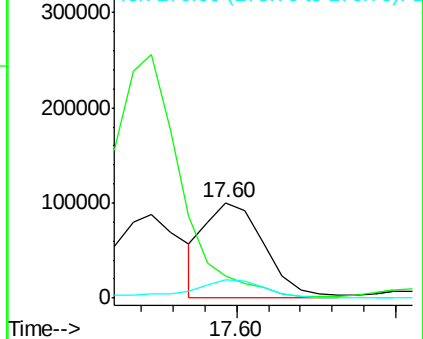
176 18.8 14.3 21.5

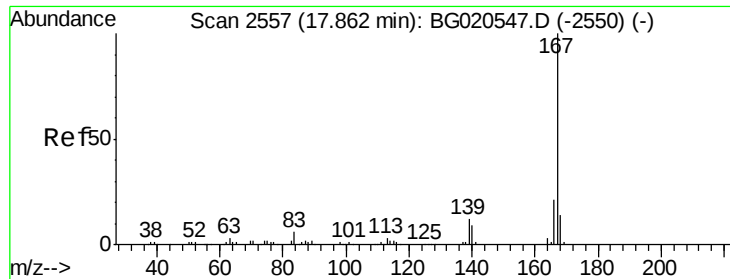


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#75

Carbazole

Concen: 291.32 ng/ul

RT: 17.89 min Scan# 2562

Delta R.T. 0.03 min

Lab File: BG020553.D

Acq: 27 Dec 2015 13:19

Instrument :

BNA_G

ClientSampleId :

D9N63

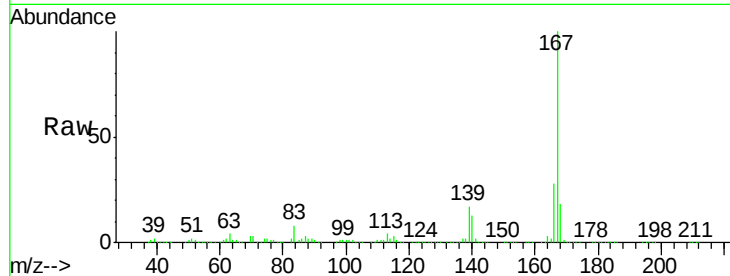
Tgt Ion:167 Resp: 2144863

Ion Ratio Lower Upper

167 100

166 28.1 17.0 25.6#

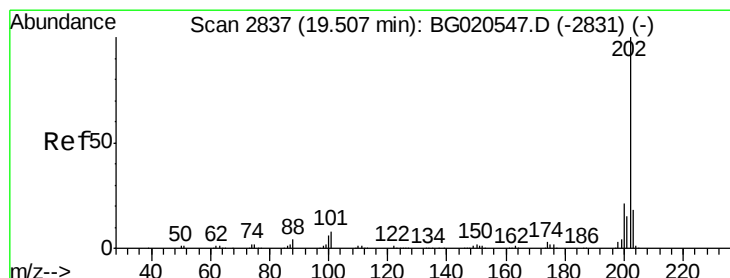
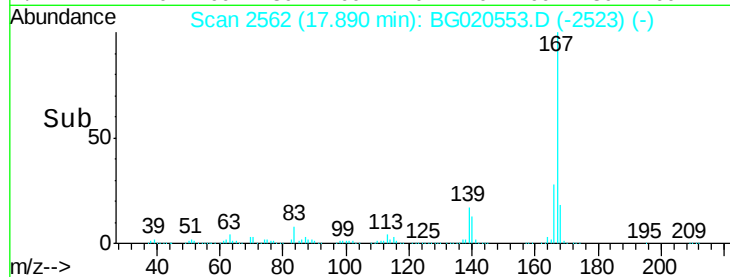
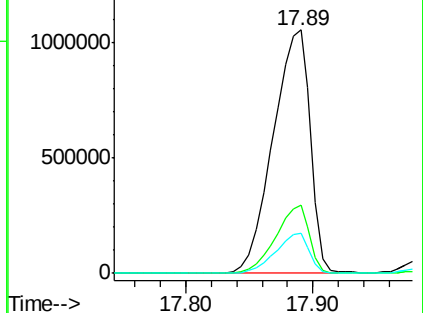
139 16.6 10.1 15.1#



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: 36.85 ng/ul

RT: 19.51 min Scan# 2838

Delta R.T. 0.00 min

Lab File: BG020553.D

Acq: 27 Dec 2015 13:19

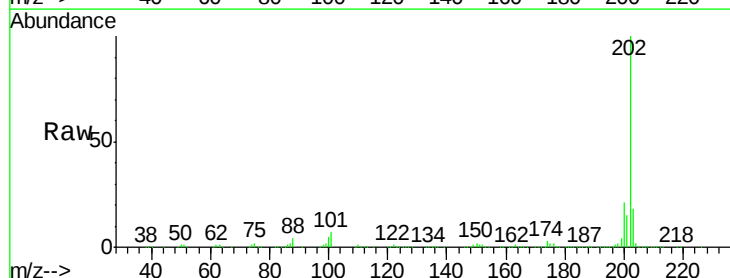
Tgt Ion:202 Resp: 395905

Ion Ratio Lower Upper

202 100

101 7.1 6.2 9.4

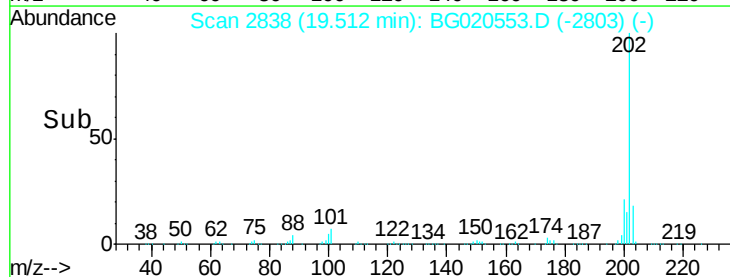
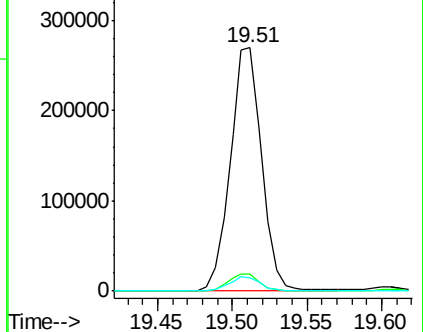
100 5.5 5.1 7.7

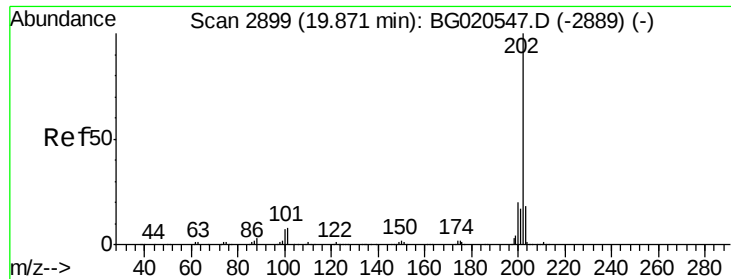


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

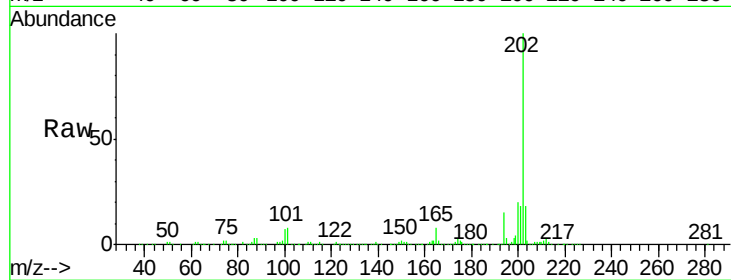




#80
 Pyrene
 Concen: 22.58 ng/ul
 RT: 19.87 min Scan# 2899
 Delta R.T. -0.00 min
 Lab File: BG020553.D
 Acq: 27 Dec 2015 13:19

Instrument :
 BNA_G
 ClientSampleId :
 D9N63

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.5	7.0	10.4
100	7.5	6.4	9.6



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

