

Data Path : Z:\HPCHEM1\BNA G\DATA\BG010516\
 Data File : BG020663.D
 Acq On : 5 Jan 2016 20:19
 Operator : UM/SJ
 Sample : G4846-21MS
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N67MS

Quant Time: Jan 06 03:49:32 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	13790	20.00	ng/ul	0.00
18) Naphthalene-d8	10.87	136	61371	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.69	164	46155	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.43	188	126394	20.00	ng/ul	0.00
78) Chrysene-d12	21.71	240	153569	20.00	ng/ul	0.00
86) Perylene-d12	24.96	264	144016	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.41	96	300m	1.30	ng/uL	0.00
5) Phenol-d5	7.21	99	7684	6.60	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.37	67	15818	22.46	ng/ul	0.00
9) 2-Chlorophenol-d4	7.58	132	17876	20.07	ng/ul	0.00
13) 4-Methylphenol-d8	8.76	113	13240	13.25	ng/ul	0.00
19) Nitrobenzene-d5	9.22	128	11579	24.42	ng/ul	0.00
22) 2-Nitrophenol-d4	9.95	143	13665	24.83	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.49	165	23171	22.16	ng/ul	0.00
29) 4-Chloroaniline-d4	0.00	131	0	0.00	ng/ul	0.00
44) Dimethylphthalate-d6	14.09	166	102048	27.02	ng/ul	0.00
47) Acenaphthylene-d8	14.39	160	103352	24.09	ng/ul	0.00
52) 4-Nitrophenol-d4	14.90	143	3721	6.28	ng/ul	0.00
58) Fluorene-d10	15.68	176	87663	25.60	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.80	200	14810	19.32	ng/ul	0.00
71) Anthracene-d10	17.53	188	152543	25.90	ng/ul	0.00
79) Pyrene-d10	19.82	212	183805	26.69	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.73	264	183068	25.48	ng/ul	0.00

Target Compounds

						Ovalue
6) Phenol	7.24	94	8638	6.89	ng/ul	93
10) 2-Chlorophenol	7.62	128	16323	17.54	ng/ul	96
15) N-Nitroso-di-n-propylamine	8.85	70	19291	23.33	ng/ul	96
28) Naphthalene	10.92	128	576390	177.35	ng/ul	98
33) 4-Chloro-3-methylphenol	12.15	107	24316	20.81	ng/ul	99
34) 2-Methylnaphthalene	12.52	142	74916	30.81	ng/ul	98
41) 1,1'-Biphenyl	13.52	154	26342	7.59	ng/ul#	98
45) Dimethylphthalate	14.13	163	26113	6.77	ng/ul	99
48) Acenaphthylene	14.41	152	13888	3.04	ng/ul	98
50) Acenaphthene	14.76	153	197793	63.96	ng/ul	99
53) 4-Nitrophenol	14.91	109	3304	6.32	ng/ul	94
54) Dibenzofuran	15.08	168	110795	23.71	ng/ul	99
55) 2,4-Dinitrotoluene	15.05	165	28220	24.15	ng/ul	99
59) Fluorene	15.74	166	89052	23.69	ng/ul	99
69) Pentachlorophenol	17.09	266	13871m	20.43	ng/ul	
70) Phenanthrene	17.48	178	193584	28.17	ng/ul	98
72) Anthracene	17.56	178	9380	1.33	ng/ul	96
75) Carbazole	17.84	167	40049	6.75	ng/ul	98
76) Di-n-butylphthalate	18.38	149	7947	1.14	ng/ul	99
77) Fluoranthene	19.48	202	27061	3.22	ng/ul	98
80) Pyrene	19.84	202	236718	26.61	ng/ul	99

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QLast Update : Wed Jan 06 00:15:22 2016
Response via : Initial Calibration

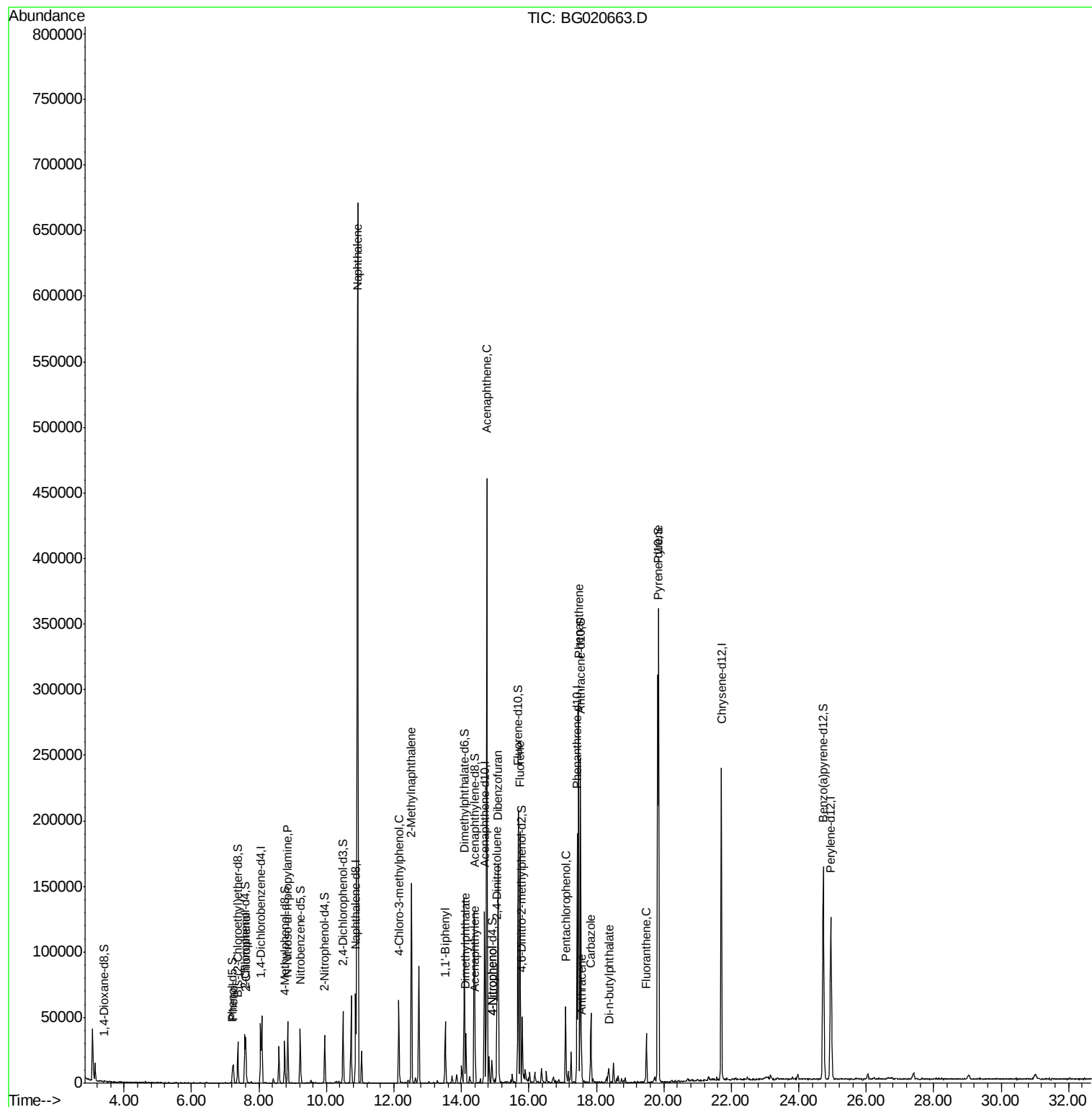
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

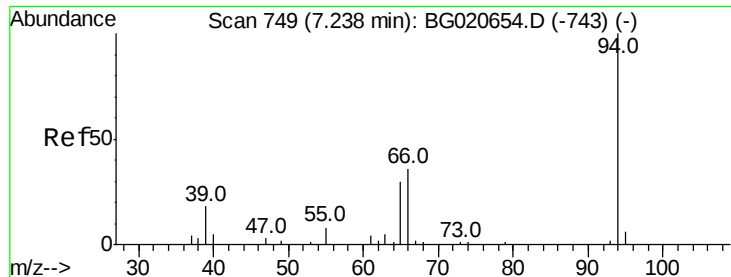
(#)= qualifier out of range (m)= manual integration (+)= signals summed						

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#6

Phenol

Concen: 6.89 ng/ul

RT: 7.24 min Scan# 749

Delta R.T. 0.00 min

Lab File: BG020663.D

Acq: 5 Jan 2016 20:19

Instrument :

BNA_G

ClientSampleId :

D9N67MS

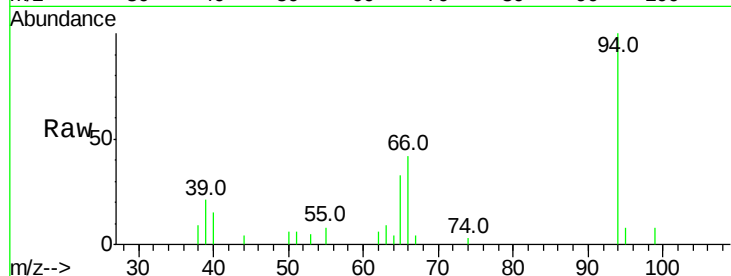
Tot Ion: 94 Resp: 8638

Ion Ratio Lower Upper

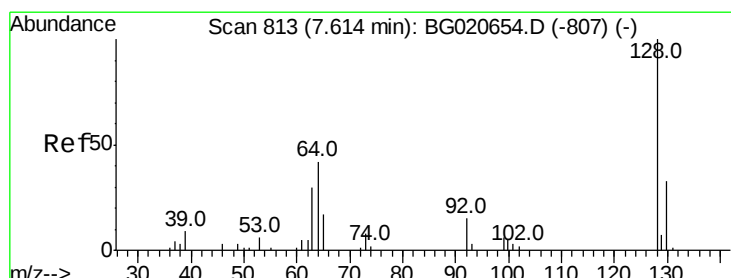
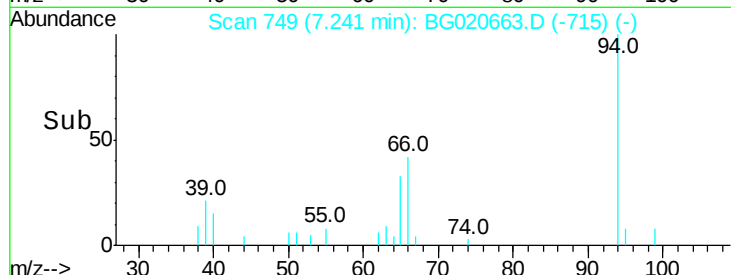
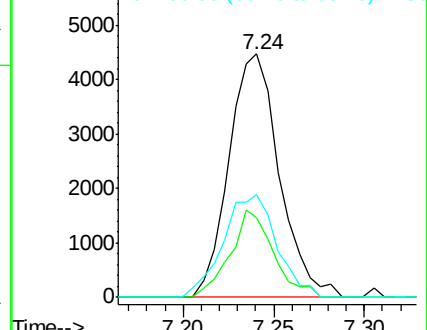
94 100

65 32.7 23.0 34.6

66 42.2 30.4 45.6



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



#10

2-Chlorophenol

Concen: 17.54 ng/ul

RT: 7.62 min Scan# 813

Delta R.T. 0.00 min

Lab File: BG020663.D

Acq: 5 Jan 2016 20:19

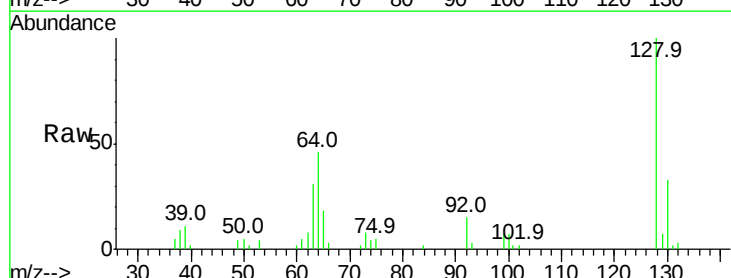
Tgt Ion: 128 Resp: 16323

Ion Ratio Lower Upper

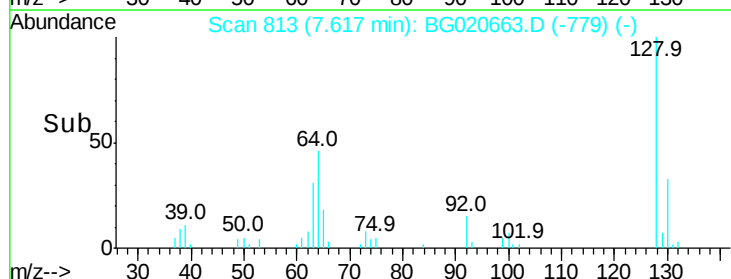
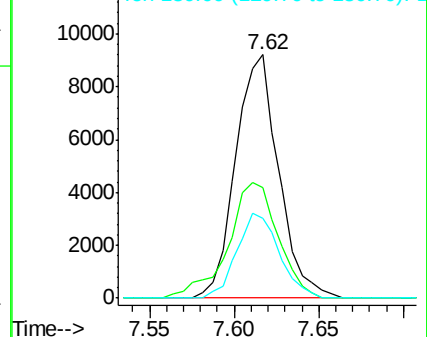
128 100

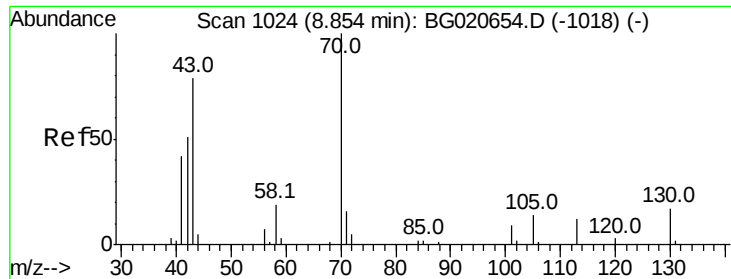
64 45.6 39.8 59.6

130 32.9 25.8 38.8



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 64.00 (63.70 to 64.70): BGC
Ion 130.00 (129.70 to 130.70): E





#15

N-Nitroso-di-n-propylamine

Concen: 23.33 ng/ul

RT: 8.85 min Scan# 1023

Delta R.T. -0.00 min

Lab File: BG020663.D

Acq: 5 Jan 2016 20:19

Instrument :

BNA_G

ClientSampleId :

D9N67MS

Tot Ion: 70 Resp: 19291

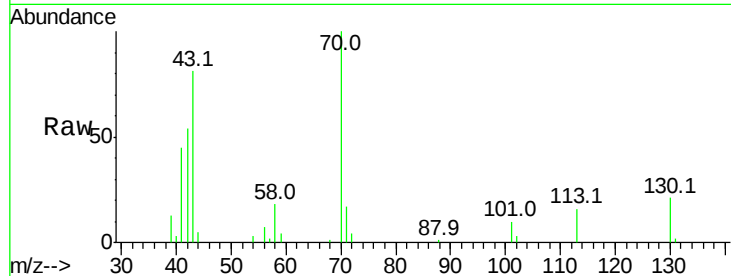
Ion Ratio Lower Upper

70 100

42 53.9 40.2 60.4

101 10.0 7.7 11.5

130 20.7 17.8 26.6

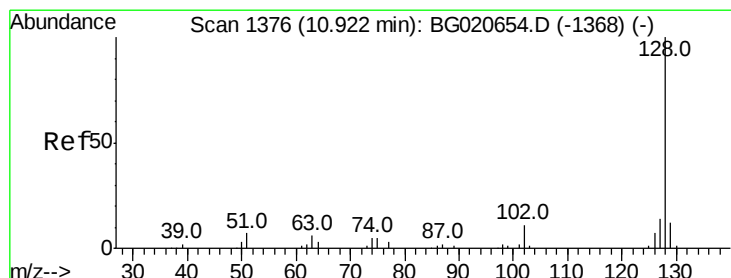
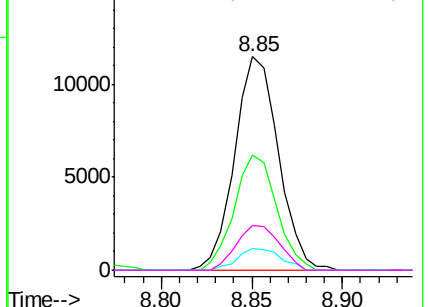
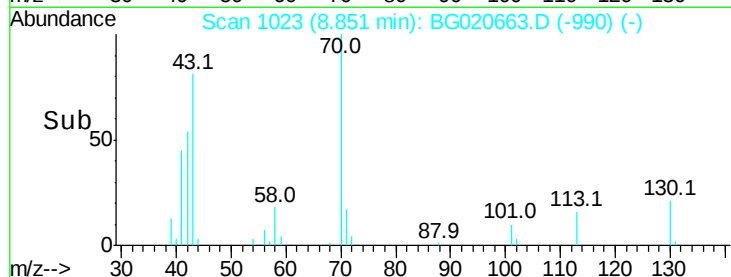


Abundance Ion 70.00 (69.70 to 70.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 101.00 (100.70 to 101.70): BGC

Ion 130.00 (129.70 to 130.70): BGC



#28

Naphthalene

Concen: 177.35 ng/ul

RT: 10.92 min Scan# 1376

Delta R.T. 0.00 min

Lab File: BG020663.D

Acq: 5 Jan 2016 20:19

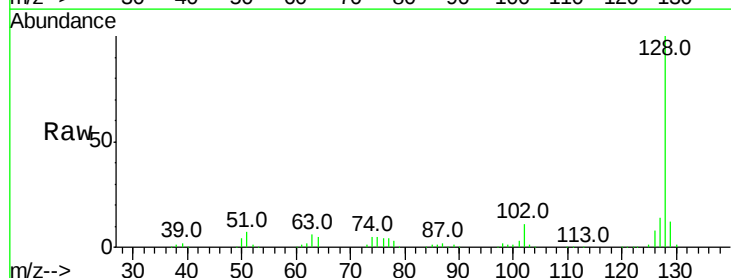
Tgt Ion: 128 Resp: 576390

Ion Ratio Lower Upper

128 100

129 11.6 8.3 12.5

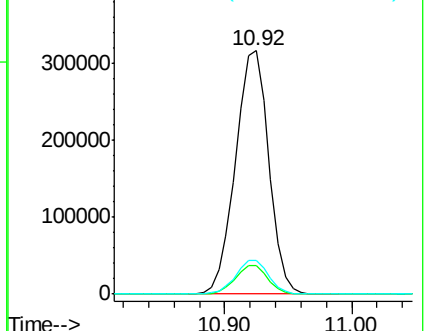
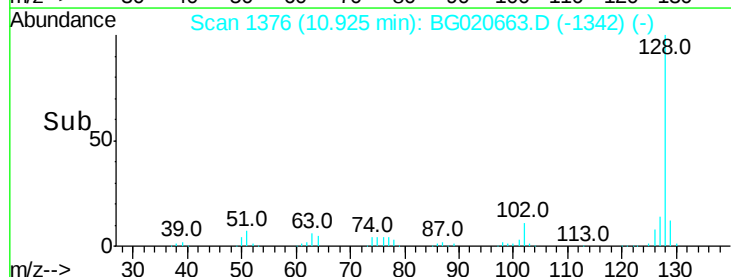
127 14.0 10.8 16.2

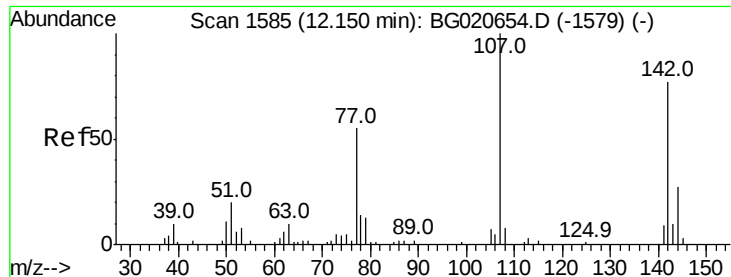


Abundance Ion 128.00 (127.70 to 128.70): BGC

Ion 129.00 (128.70 to 129.70): BGC

Ion 127.00 (126.70 to 127.70): BGC





#33

4-Chloro-3-methylphenol

Concen: 20.81 ng/ul

RT: 12.15 min Scan# 1584

Delta R.T. -0.00 min

Lab File: BG020663.D

Acq: 5 Jan 2016 20:19

Instrument :

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D9N67MS

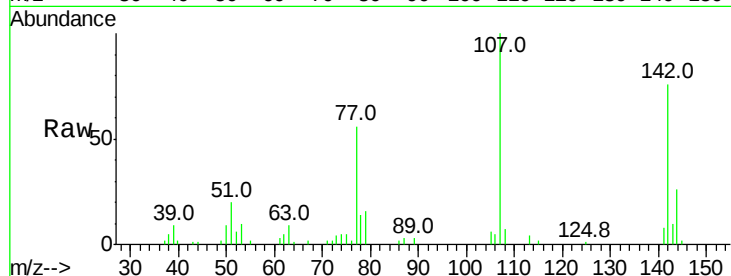
Tot Ion:107 Resp: 24316

Ion Ratio Lower Upper

107 100

144 25.9 21.1 31.7

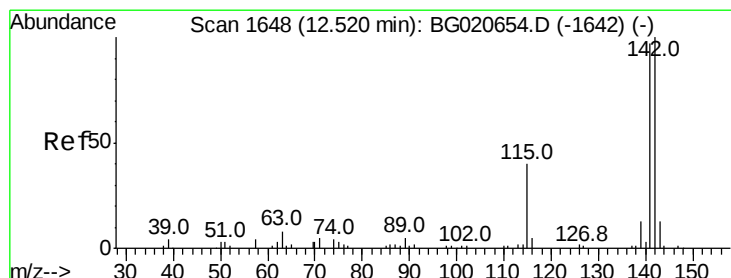
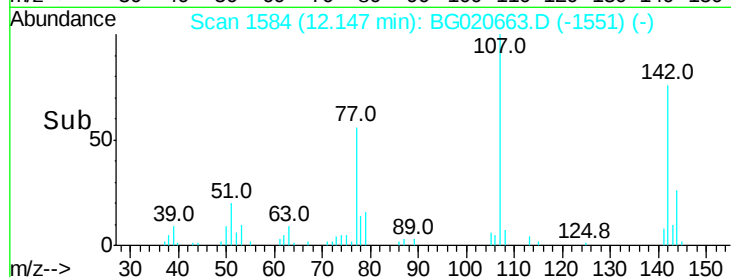
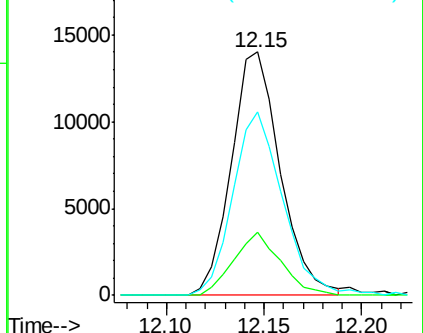
142 75.6 60.1 90.1



Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E



#34

2-Methylnaphthalene

Concen: 30.81 ng/ul

RT: 12.52 min Scan# 1647

Delta R.T. -0.00 min

Lab File: BG020663.D

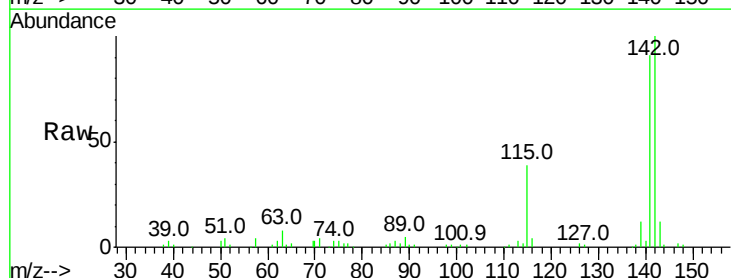
Acq: 5 Jan 2016 20:19

Tgt Ion:142 Resp: 74916

Ion Ratio Lower Upper

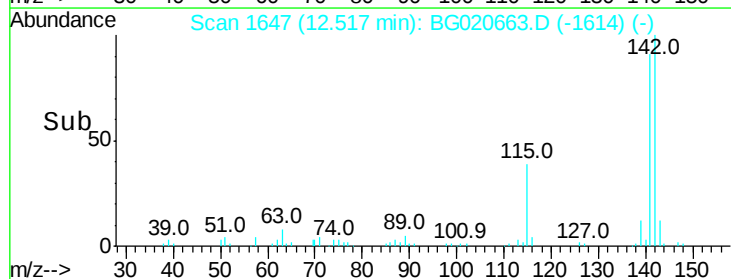
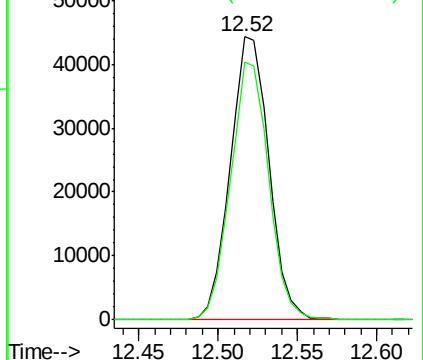
142 100

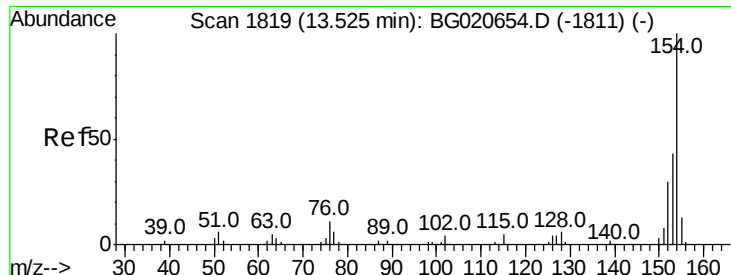
141 91.1 71.4 107.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

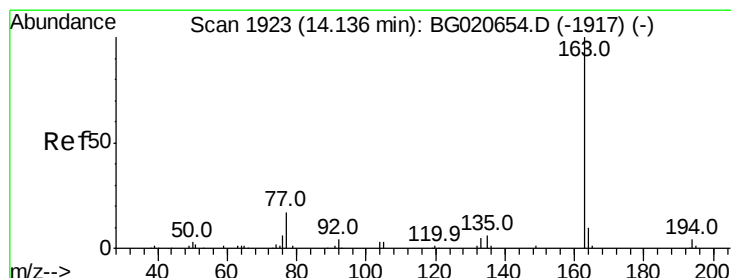
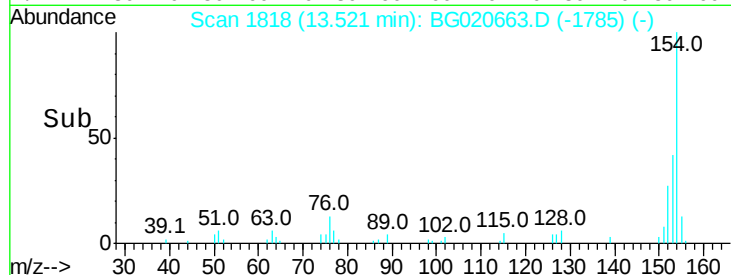
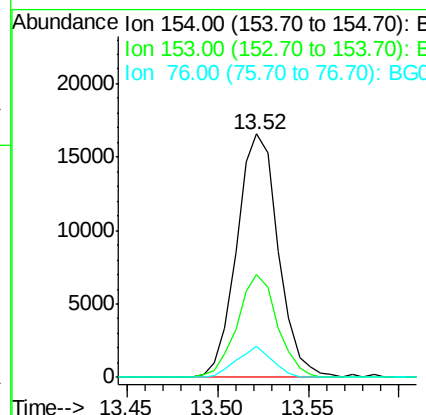
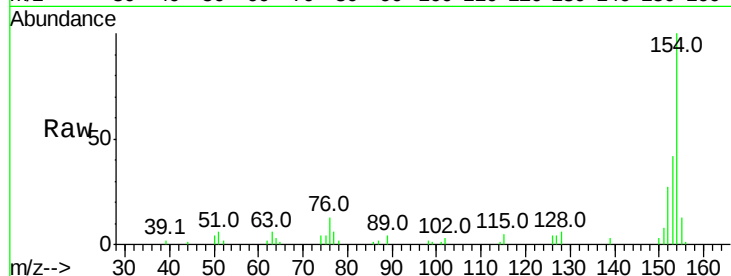




#41
 1,1'-Biphenyl
 Concen: 7.59 ng/ul
 RT: 13.52 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: BG020663.D
 Acq: 5 Jan 2016 20:19

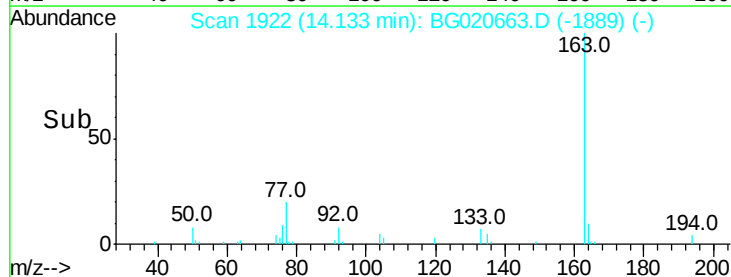
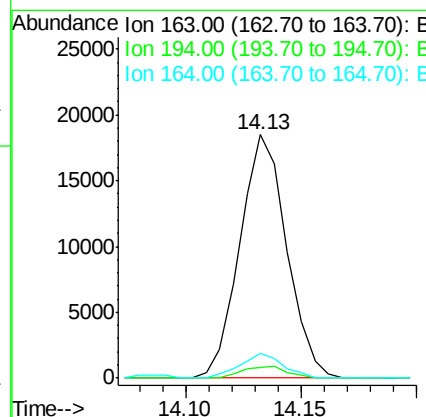
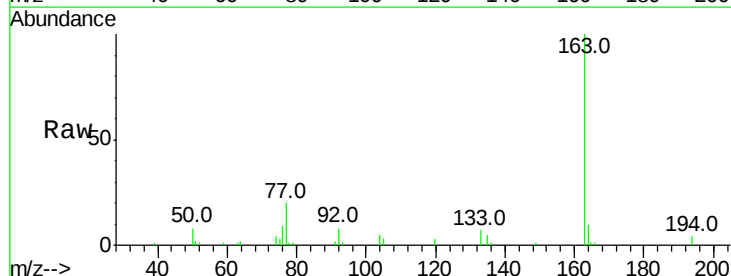
Instrument :
 BNA_G
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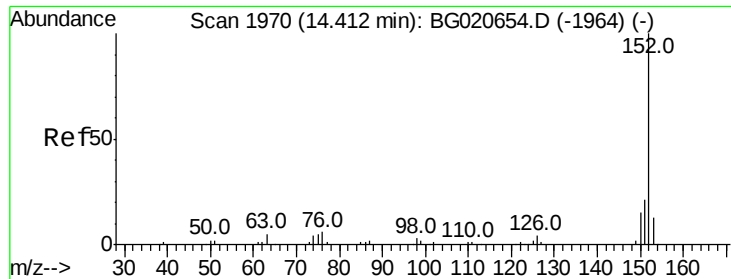
Tot Ion:154 Resp: 26342
 Ion Ratio Lower Upper
 154 100
 153 42.0 34.0 51.0
 76 13.0 8.4 12.6#



#45
 Dimethylphthalate
 Concen: 6.77 ng/ul
 RT: 14.13 min Scan# 1922
 Delta R.T. -0.00 min
 Lab File: BG020663.D
 Acq: 5 Jan 2016 20:19

Tgt Ion:163 Resp: 26113
 Ion Ratio Lower Upper
 163 100
 194 4.5 4.0 6.0
 164 10.2 8.4 12.6





#48

Acenaphthylene

Concen: 3.04 ng/ul

RT: 14.41 min Scan# 1969

Delta R.T. -0.00 min

Lab File: BG020663.D

Acq: 5 Jan 2016 20:19

Instrument :

BNA_G

ClientSampleId :

D9N67MS

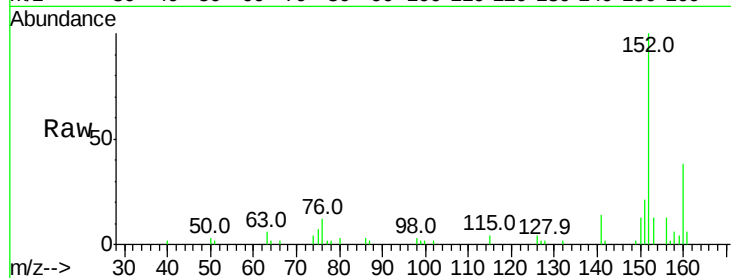
Tot Ion:152 Resp: 13888

Ion Ratio Lower Upper

152 100

151 21.2 16.1 24.1

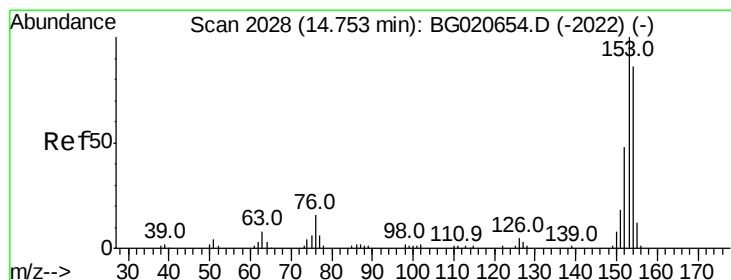
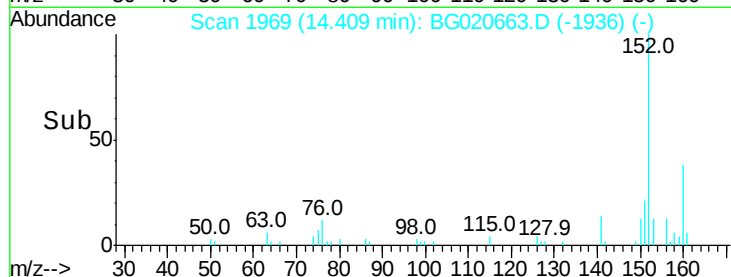
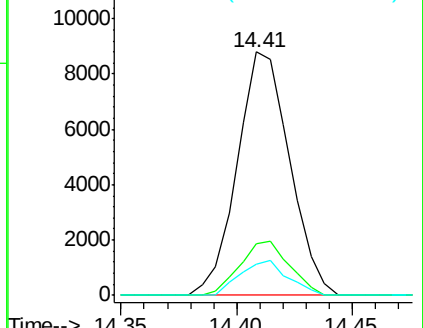
153 12.9 10.8 16.2



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



#50

Acenaphthene

Concen: 63.96 ng/ul

RT: 14.76 min Scan# 2028

Delta R.T. 0.00 min

Lab File: BG020663.D

Acq: 5 Jan 2016 20:19

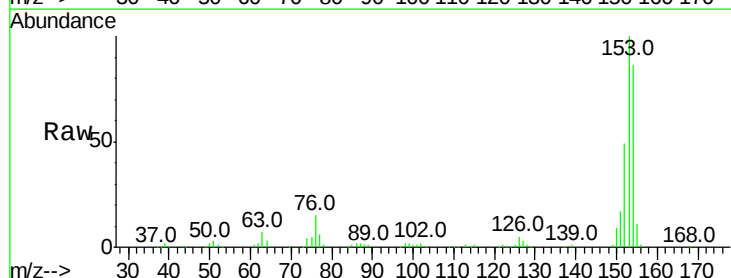
Tgt Ion:153 Resp: 197793

Ion Ratio Lower Upper

153 100

152 48.8 37.9 56.9

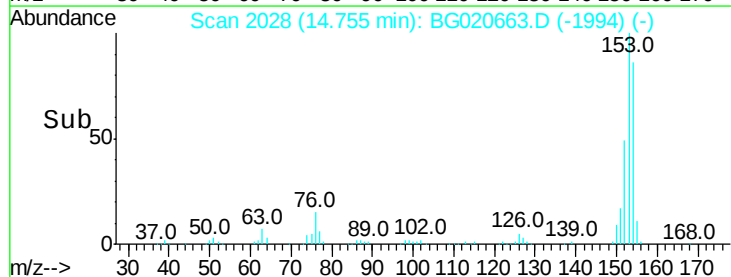
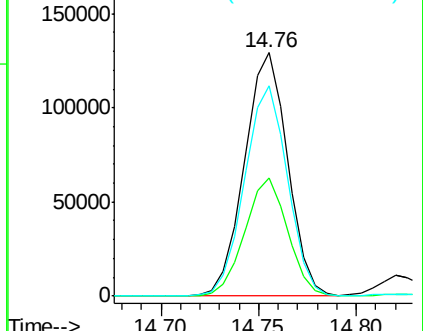
154 86.3 69.8 104.6

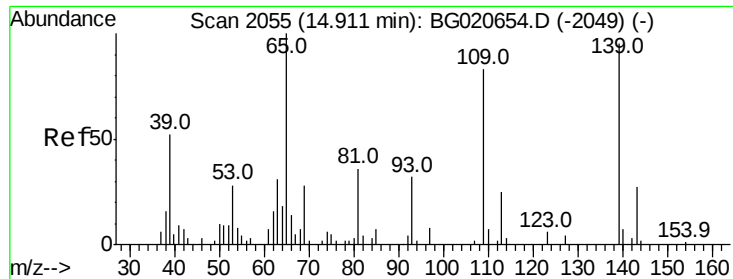


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#53

4-Nitrophenol

Concen: 6.32 ng/ul

RT: 14.91 min Scan# 2055

Delta R.T. 0.00 min

Lab File: BG020663.D

Acq: 5 Jan 2016 20:19

Instrument :

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ClientSampleId :

D9N67MS

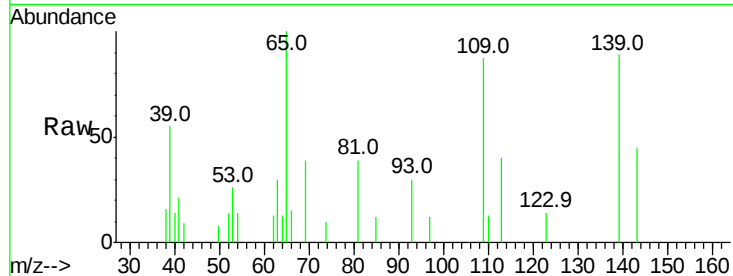
Tot Ion:109 Resp: 3304

Ion Ratio Lower Upper

109 100

139 101.9 91.2 136.8

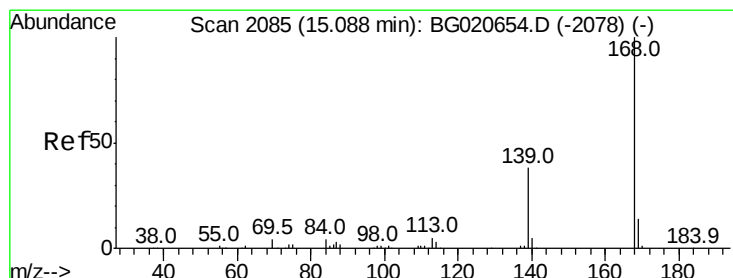
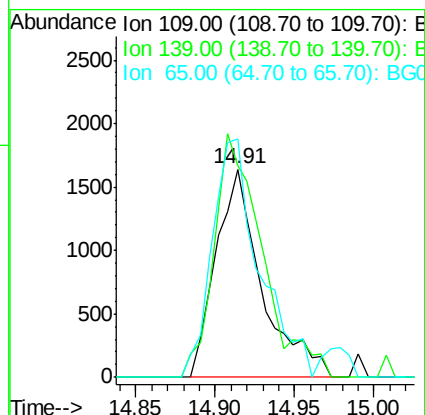
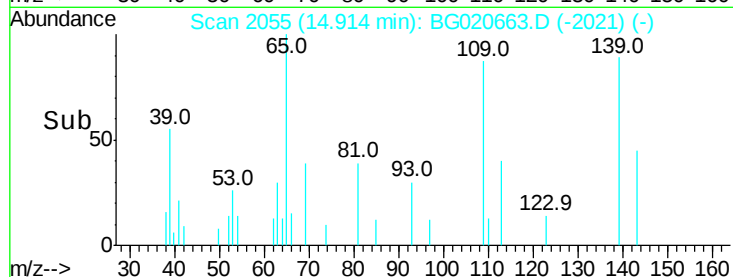
65 114.4 92.6 139.0



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): BGC



#54

Dibenzofuran

Concen: 23.71 ng/ul

RT: 15.08 min Scan# 2084

Delta R.T. -0.00 min

Lab File: BG020663.D

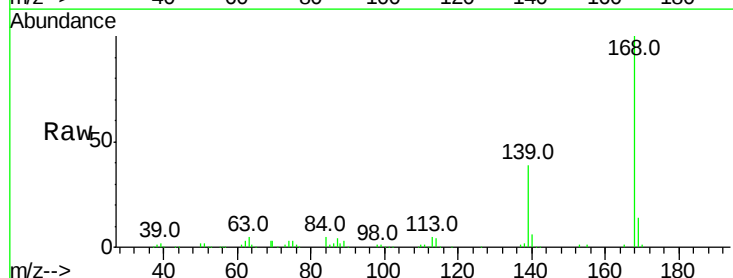
Acq: 5 Jan 2016 20:19

Tgt Ion:168 Resp: 110795

Ion Ratio Lower Upper

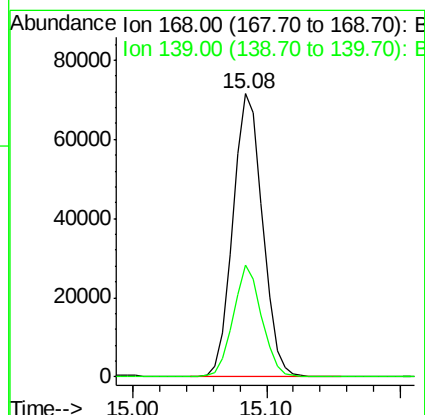
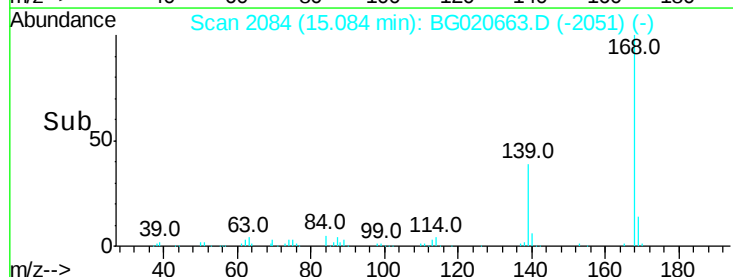
168 100

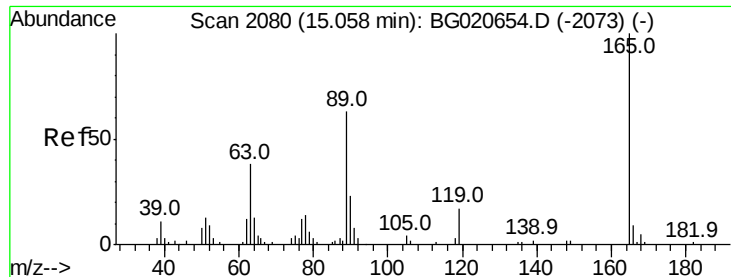
139 39.4 31.0 46.4



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

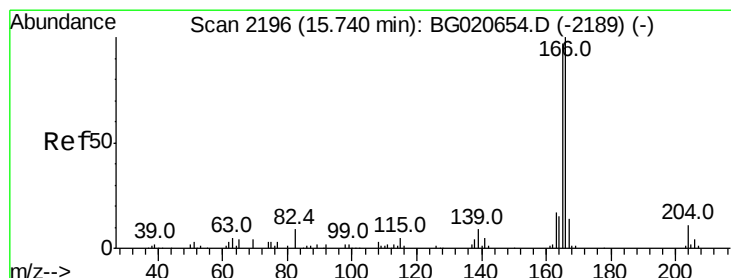
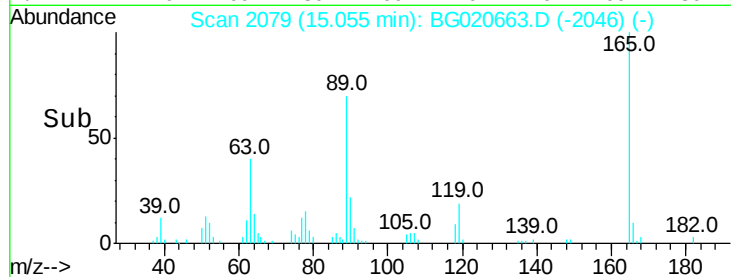
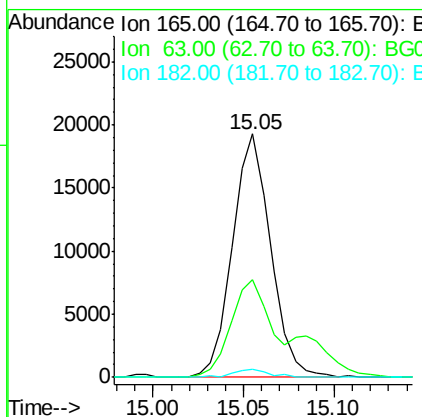
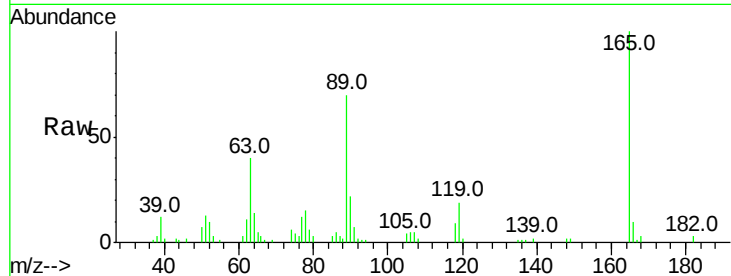




#55
 2,4-Dinitrotoluene
 Concen: 24.15 ng/ul
 RT: 15.05 min Scan# 2079
 Delta R.T. -0.00 min
 Lab File: BG020663.D
 Acq: 5 Jan 2016 20:19

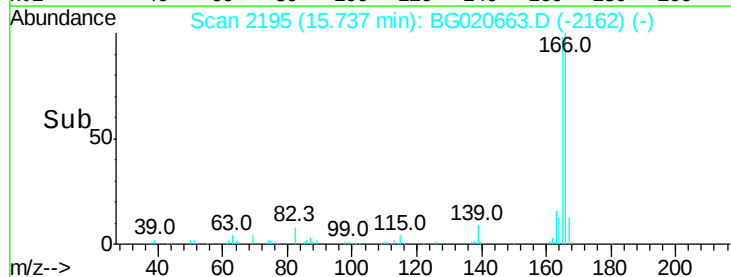
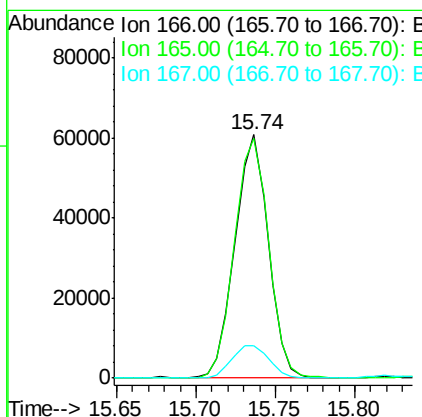
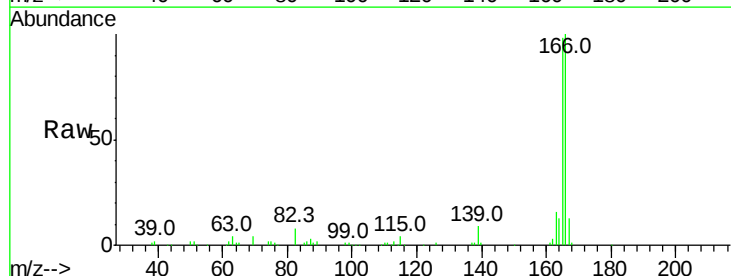
Instrument :
 BNA_G
 ClientSampleId :
 D9N67MS

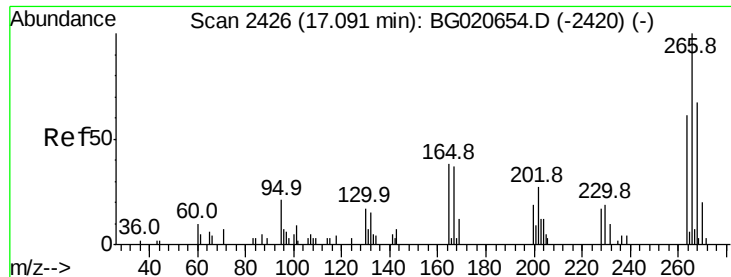
Tot Ion:165 Resp: 28220
 Ion Ratio Lower Upper
 165 100
 63 39.9 31.4 47.0
 182 3.3 2.7 4.1



#59
 Fluorene
 Concen: 23.69 ng/ul
 RT: 15.74 min Scan# 2195
 Delta R.T. -0.00 min
 Lab File: BG020663.D
 Acq: 5 Jan 2016 20:19

Tgt Ion:166 Resp: 89052
 Ion Ratio Lower Upper
 166 100
 165 98.5 78.4 117.6
 167 13.3 11.1 16.7

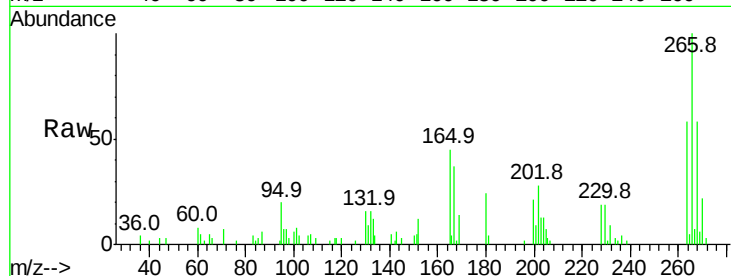




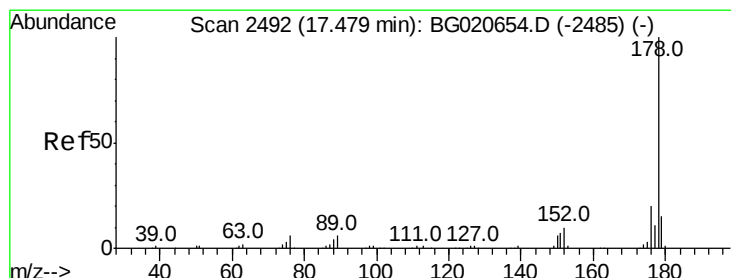
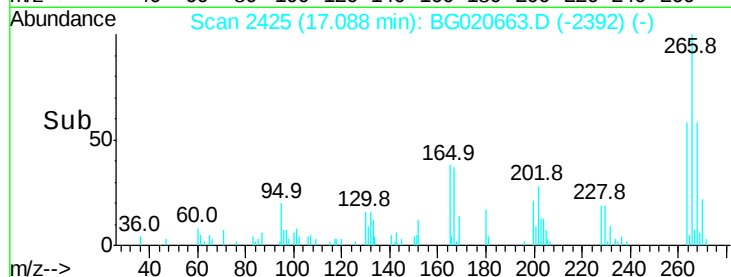
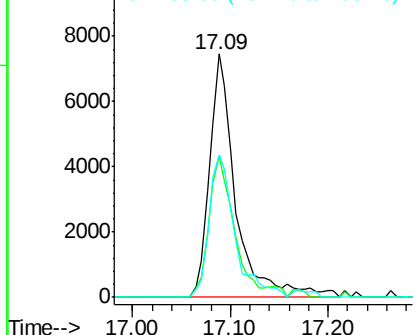
#69
 Pentachlorophenol
 Concen: 20.43 ng/ul m
 RT: 17.09 min Scan# 2425
 Delta R.T. -0.00 min
 Lab File: BG020663.D
 Acq: 5 Jan 2016 20:19

Instrument :
 BNA_G
 ClientSampleID :
 D9N67MS

Tot Ion:266 Resp: 13871
 Ion Ratio Lower Upper
 266 100
 264 57.9 48.2 72.4
 268 58.4 52.3 78.5

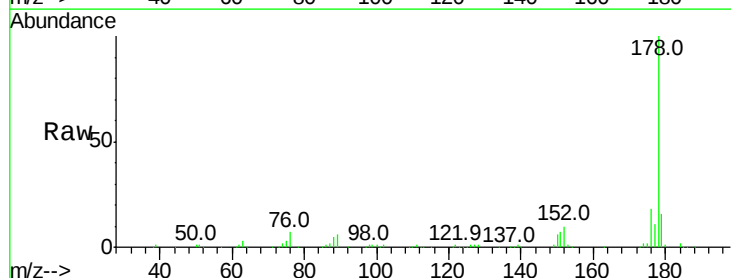


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 264.00 (263.70 to 264.70): E
 Ion 268.00 (267.70 to 268.70): E

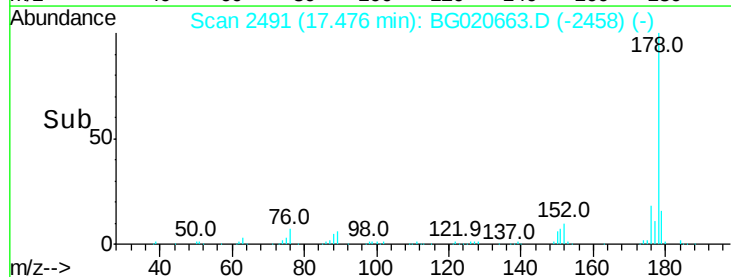
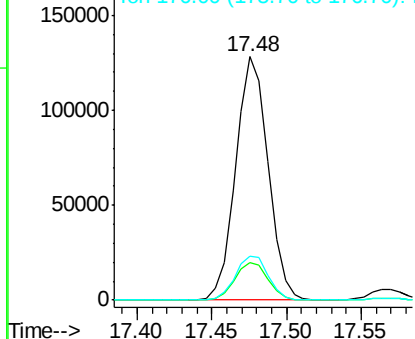


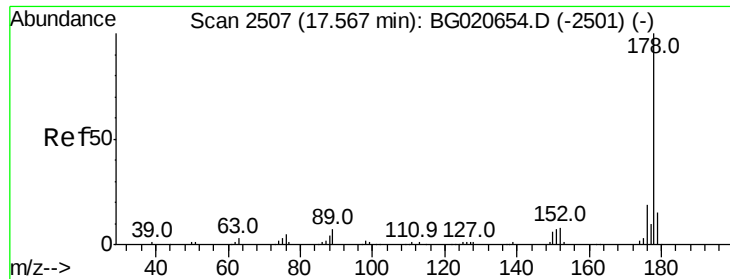
#70
 Phenanthrene
 Concen: 28.17 ng/ul
 RT: 17.48 min Scan# 2491
 Delta R.T. -0.00 min
 Lab File: BG020663.D
 Acq: 5 Jan 2016 20:19

Tgt Ion:178 Resp: 193584
 Ion Ratio Lower Upper
 178 100
 179 15.6 12.3 18.5
 176 17.9 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: 1.33 ng/ul

RT: 17.56 min Scan# 2506

Delta R.T. -0.00 min

Lab File: BG020663.D

Acq: 5 Jan 2016 20:19

Instrument :

BNA_G

ClientSampleId :

D9N67MS

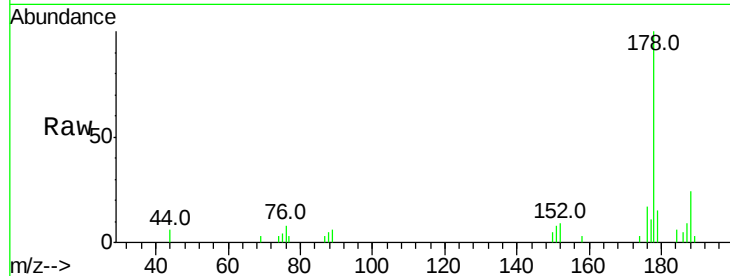
Tot Ion:178 Resp: 9380

Ion Ratio Lower Upper

178 100

179 15.1 13.4 20.2

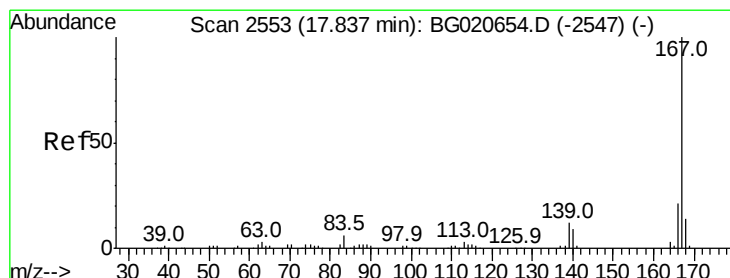
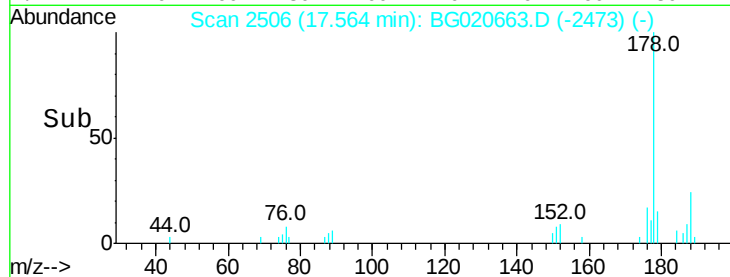
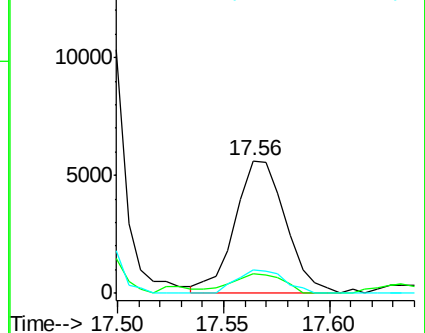
176 17.3 15.4 23.0



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: 6.75 ng/ul

RT: 17.84 min Scan# 2553

Delta R.T. 0.00 min

Lab File: BG020663.D

Acq: 5 Jan 2016 20:19

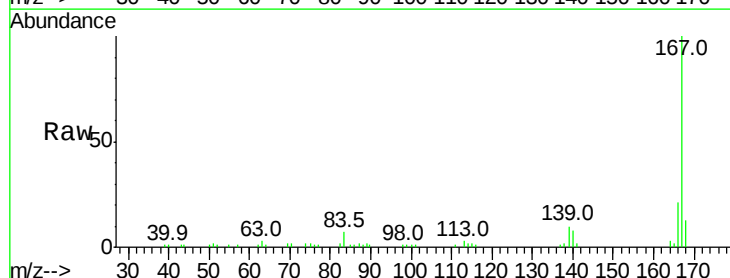
Tgt Ion:167 Resp: 40049

Ion Ratio Lower Upper

167 100

166 20.7 17.0 25.4

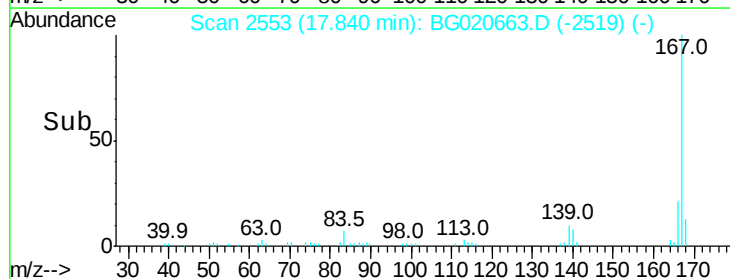
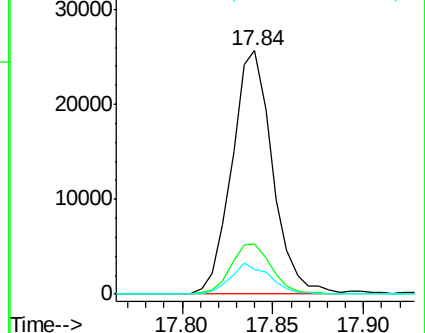
139 10.4 9.1 13.7

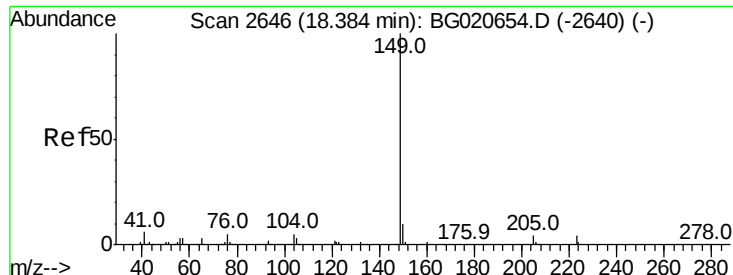


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

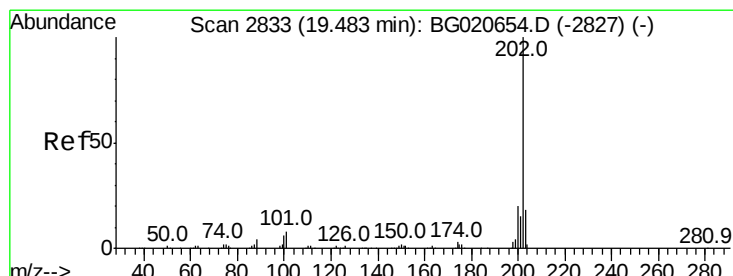
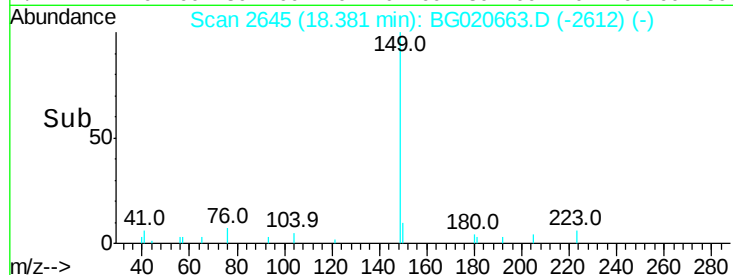
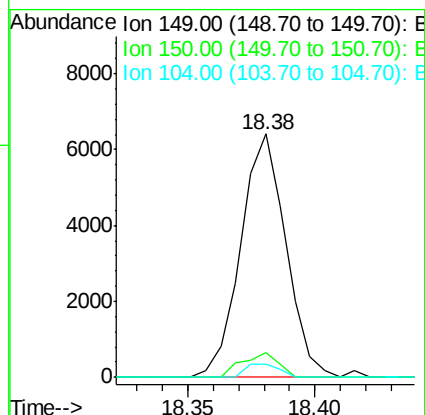
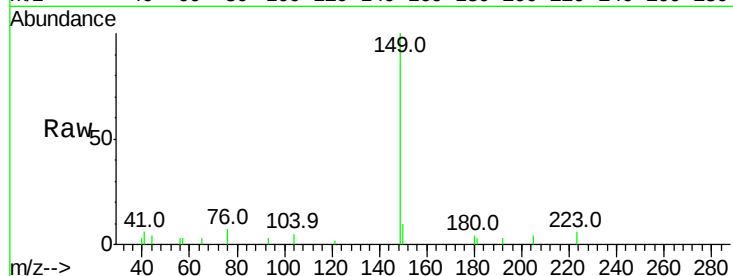




#76
Di-n-butylphthalate
Concen: 1.14 ng/ul
RT: 18.38 min Scan# 2645
Delta R.T. -0.00 min
Lab File: BG020663.D
Acq: 5 Jan 2016 20:19

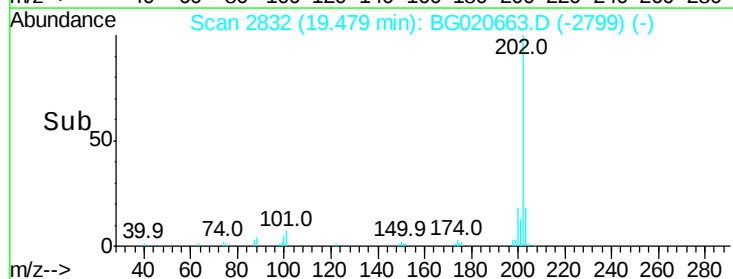
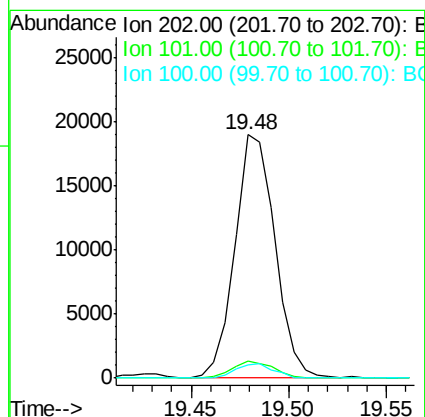
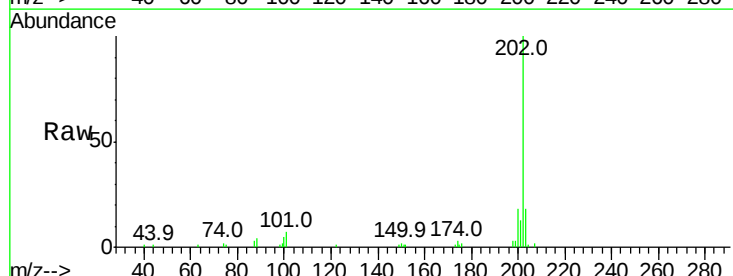
Instrument :
BNA_G
ClientSampleId :
D9N67MS

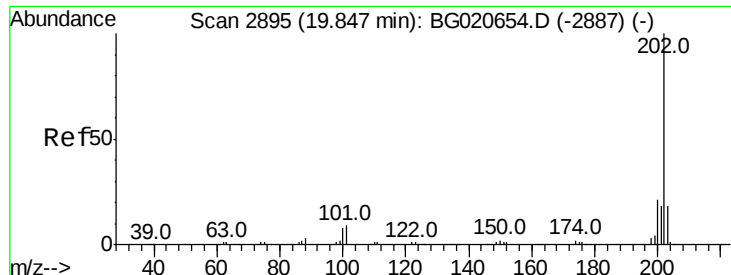
Tot Ion:149 Resp: 7947
Ion Ratio Lower Upper
149 100
150 10.0 7.5 11.3
104 5.2 4.1 6.1



#77
Fluoranthene
Concen: 3.22 ng/ul
RT: 19.48 min Scan# 2832
Delta R.T. -0.00 min
Lab File: BG020663.D
Acq: 5 Jan 2016 20:19

Tgt Ion:202 Resp: 27061
Ion Ratio Lower Upper
202 100
101 6.9 6.1 9.1
100 5.5 4.6 7.0





#80

Pvrene

Concen: 26.61 ng/ul

RT: 19.84 min Scan# 2894

Delta R.T. -0.00 min

Lab File: BG020663.D

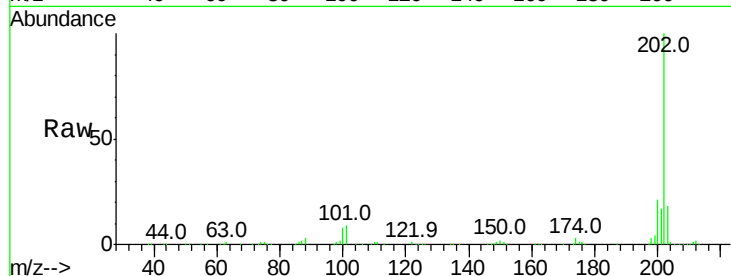
Acq: 5 Jan 2016 20:19

Instrument :

BNA_G

ClientSampleId :

D9N67MS



Tot Ion:202 Resp: 236718

Ion Ratio Lower Upper

202 100

101 8.9 6.9 10.3

100 7.8 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

