

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122615\
 Data File : BG020557.D
 Acq On : 27 Dec 2015 15:57
 Operator : UM/SJ
 Sample : G4846-21MS
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N67MS

Quant Time: Dec 28 02:44:53 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	17967	20.00	ng/ul	0.00
18) Naphthalene-d8	10.89	136	81508	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.71	164	58080	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.46	188	148841	20.00	ng/ul	0.00
78) Chrysene-d12	21.73	240	182365	20.00	ng/ul	0.00
86) Perylene-d12	25.00	264	168906	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.45	96	317	0.97	ng/uL	0.00
5) Phenol-d5	7.23	99	9142	6.34	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.40	67	19158	22.43	ng/ul	0.00
9) 2-Chlorophenol-d4	7.61	132	22045	19.93	ng/ul	0.00
13) 4-Methylphenol-d8	8.78	113	17026	14.04	ng/ul	0.00
19) Nitrobenzene-d5	9.25	128	13778	21.56	ng/ul	0.00
22) 2-Nitrophenol-d4	9.97	143	15983	22.00	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.51	165	28321	20.14	ng/ul	0.00
29) 4-Chloroaniline-d4	0.00	131	0	0.00	ng/ul	0.00
44) Dimethylphthalate-d6	14.11	166	108314	22.63	ng/ul	0.00
47) Acenaphthylene-d8	14.41	160	117432	21.17	ng/ul	0.00
52) 4-Nitrophenol-d4	14.92	143	4374	5.48	ng/ul	0.00
58) Fluorene-d10	15.70	176	99299	22.94	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.82	200	16754	16.98	ng/ul	0.00
71) Anthracene-d10	17.56	188	161419	23.15	ng/ul	0.00
79) Pyrene-d10	19.84	212	197032	24.96	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.78	264	202361	23.70	ng/ul	0.00

Target Compounds

						Qvalue
6) Phenol	7.26	94	10594	7.06	ng/ul#	90
10) 2-Chlorophenol	7.64	128	20013	17.33	ng/ul	96
15) N-Nitroso-di-n-propylamine	8.88	70	21939	22.33	ng/ul	95
28) Naphthalene	10.95	128	691182	159.52	ng/ul	97
30) 4-Chloroaniline	10.95	127	95779	59.15	ng/ul#	12
33) 4-Chloro-3-methylphenol	12.17	107	28811	19.07	ng/ul	96
34) 2-Methylnaphthalene	12.54	142	88421	27.58	ng/ul	97
35) 1-Methylnaphthalene	12.76	142	50830	16.69	ng/ul	98
41) 1,1'-Biphenyl	13.54	154	31450	7.02	ng/ul	91
45) Dimethylphthalate	14.16	163	27743	5.70	ng/ul	98
48) Acenaphthylene	14.44	152	16489	2.83	ng/ul	96
50) Acenaphthene	14.78	153	229138	58.14	ng/ul	99
53) 4-Nitrophenol	14.93	109	3764	5.21	ng/ul#	83
54) Dibenzofuran	15.11	168	126765	21.62	ng/ul	99
55) 2,4-Dinitrotoluene	15.08	165	31960	21.60	ng/ul	91
59) Fluorene	15.76	166	101842	21.43	ng/ul	99
61) 4-Nitroaniline	15.76	138	1219	1.19	ng/ul#	10
69) Pentachlorophenol	17.11	266	17297	15.44	ng/ul	94
70) Phenanthrene	17.50	178	213448	25.77	ng/ul	98
72) Anthracene	17.59	178	10388	1.23	ng/ul	98
75) Carbazole	17.86	167	43210	6.05	ng/ul	100
77) Fluoranthene	19.51	202	30021	2.88	ng/ul	100
80) Pyrene	19.87	202	253867	24.62	ng/ul	99

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Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration

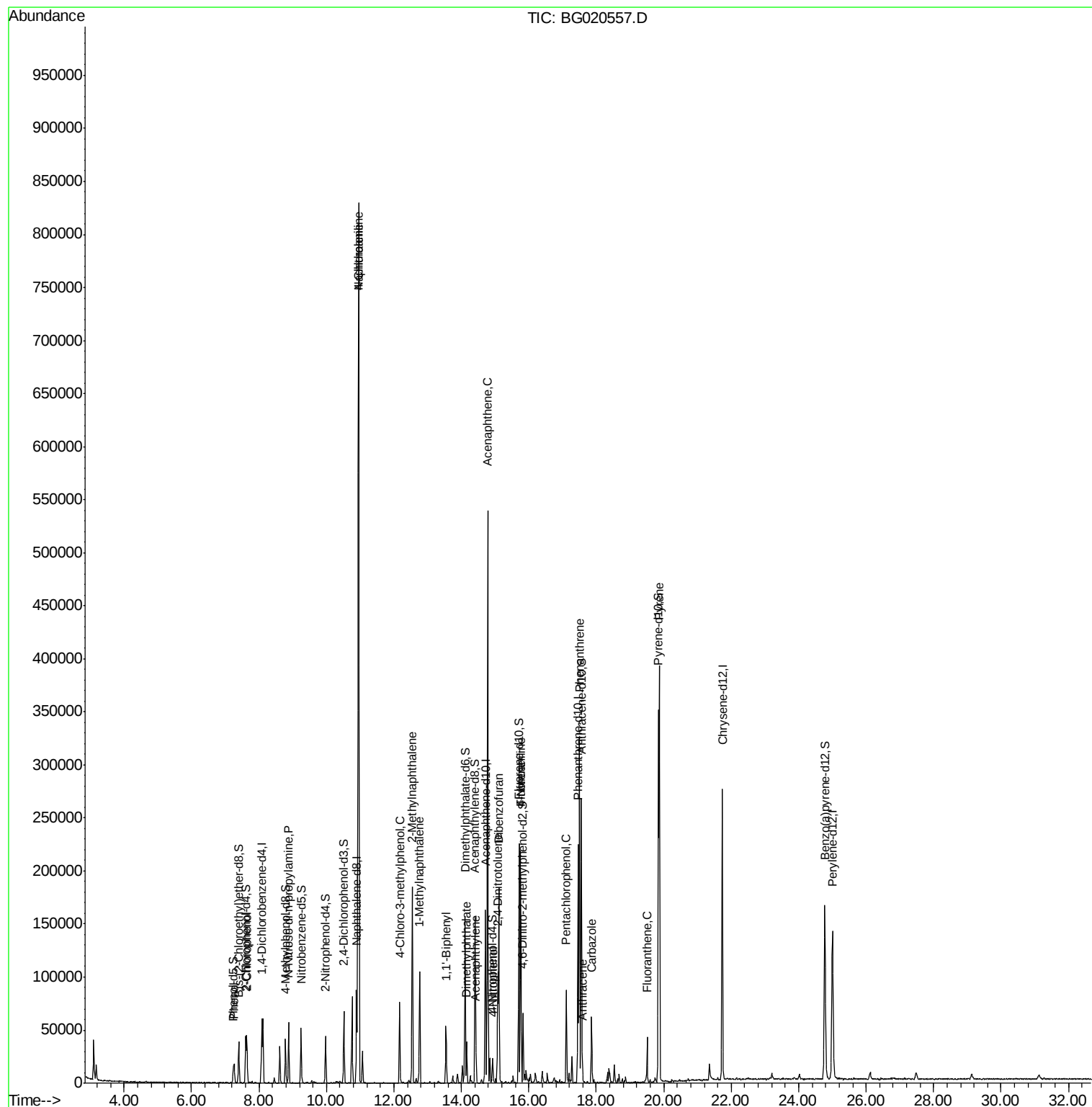
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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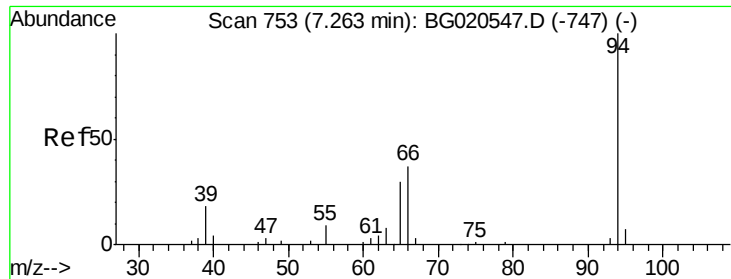
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 7.06 ng/ul

RT: 7.26 min Scan# 753

Delta R.T. -0.00 min

Lab File: BG020557.D

Acq: 27 Dec 2015 15:57

Instrument :

BNA_G

ClientSampleId :

D9N67MS

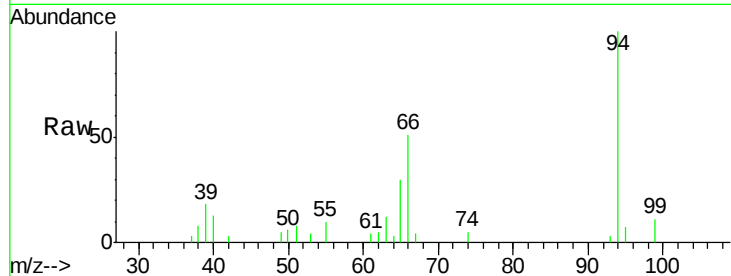
Tgt Ion: 94 Resp: 10594

Ion Ratio Lower Upper

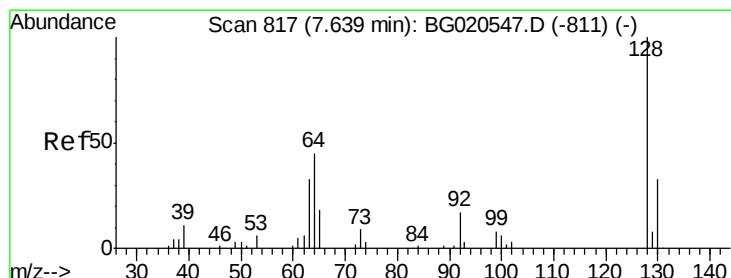
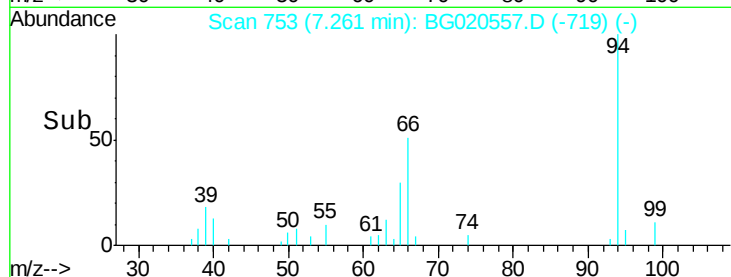
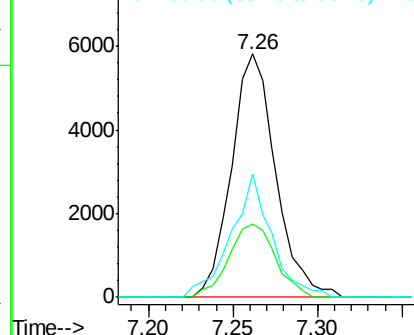
94 100

65 30.3 26.3 39.5

66 50.9 33.3 49.9#



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: 17.33 ng/ul

RT: 7.64 min Scan# 817

Delta R.T. -0.00 min

Lab File: BG020557.D

Acq: 27 Dec 2015 15:57

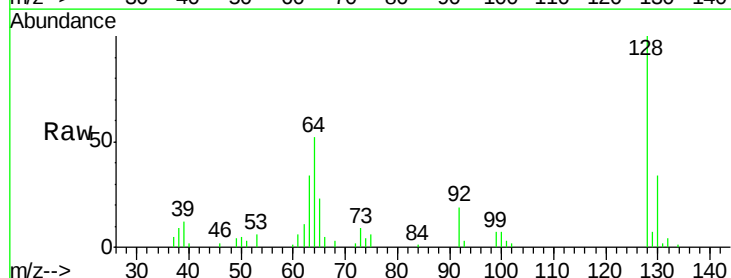
Tgt Ion: 128 Resp: 20013

Ion Ratio Lower Upper

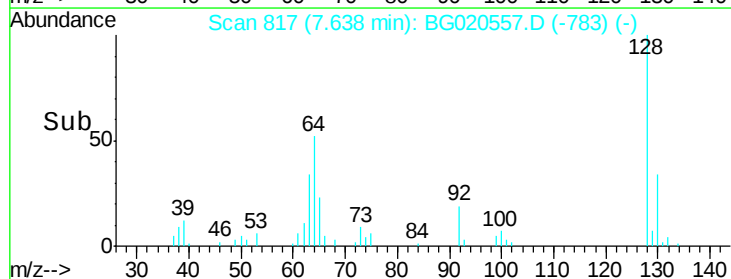
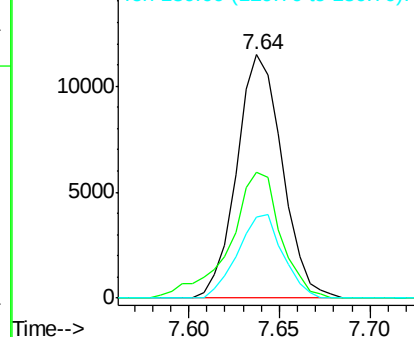
128 100

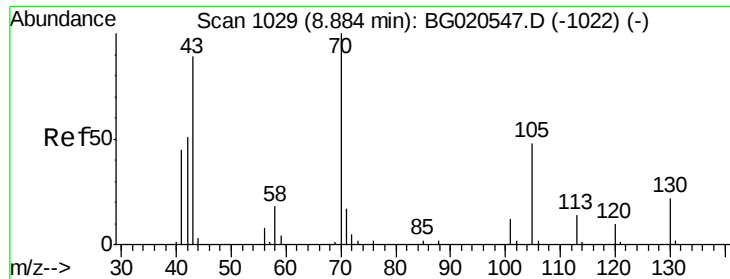
64 51.7 39.4 59.0

130 33.5 24.6 36.8



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: 22.33 ng/ul

RT: 8.88 min Scan# 1028

Delta R.T. -0.01 min

Lab File: BG020557.D

Acq: 27 Dec 2015 15:57

Instrument :

BNA_G

ClientSampleId :

D9N67MS

Tgt Ion: 70 Resp: 21939

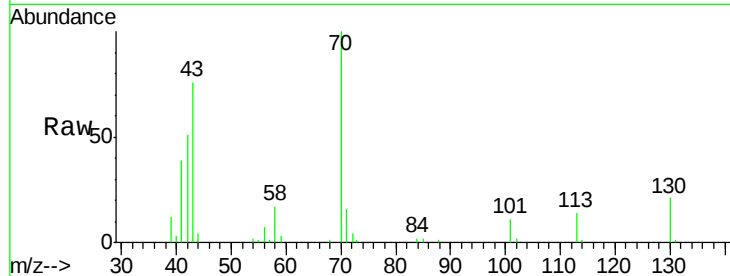
Ion Ratio Lower Upper

70 100

42 50.9 44.3 66.5

101 11.3 7.6 11.4

130 21.1 17.0 25.4

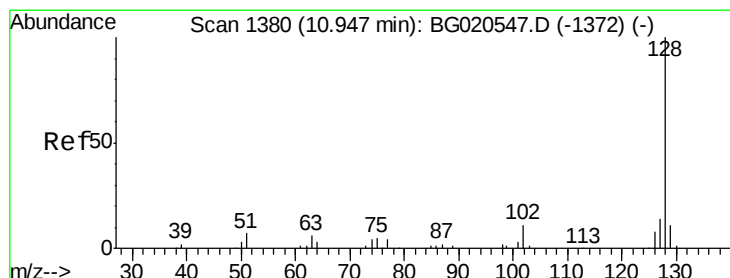
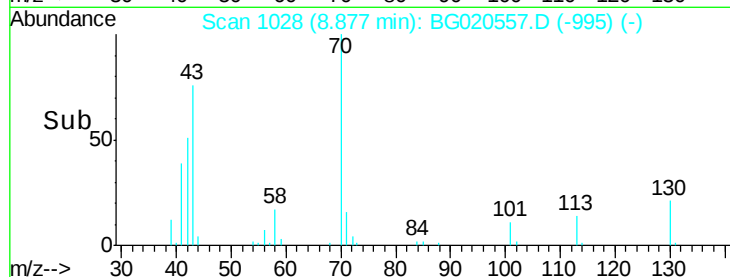
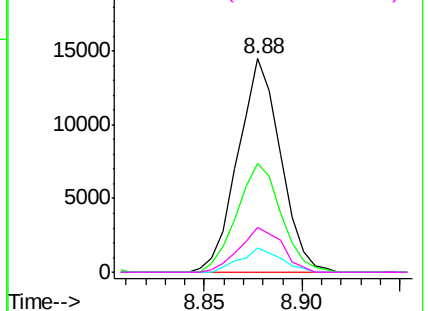


Abundance Ion 70.00 (69.70 to 70.70): BG020547.D (-1022) (-)

Ion 42.00 (41.70 to 42.70): BG020547.D (-1022) (-)

Ion 101.00 (100.70 to 101.70): BG020547.D (-1022) (-)

Ion 130.00 (129.70 to 130.70): BG020547.D (-1022) (-)



#28

Naphthalene

Concen: 159.52 ng/ul

RT: 10.95 min Scan# 1381

Delta R.T. 0.00 min

Lab File: BG020557.D

Acq: 27 Dec 2015 15:57

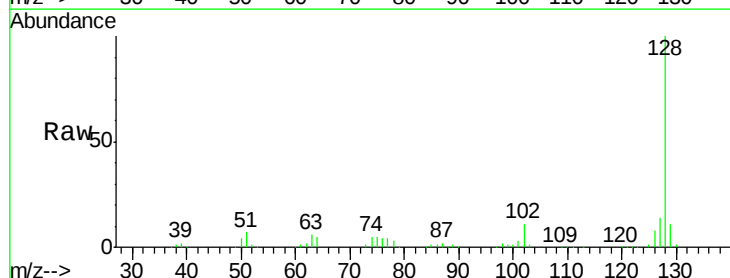
Tgt Ion:128 Resp: 691182

Ion Ratio Lower Upper

128 100

129 11.5 8.6 12.8

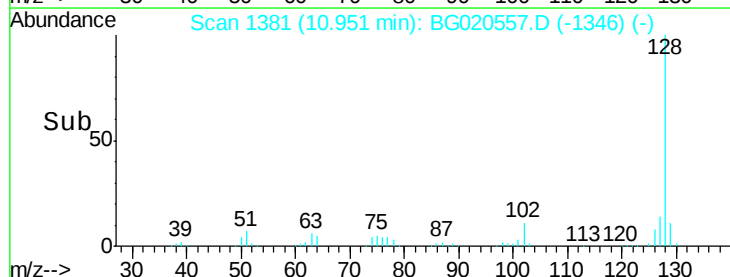
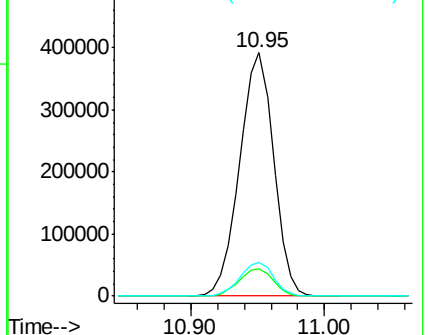
127 14.1 10.1 15.1

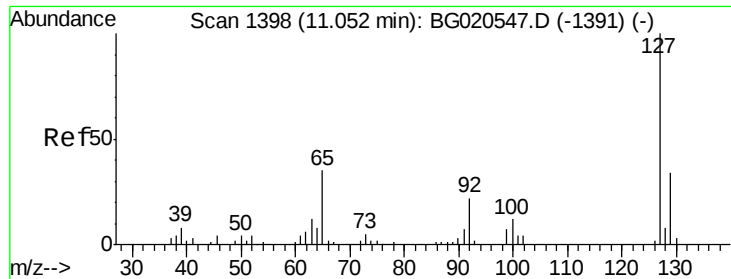


Abundance Ion 128.00 (127.70 to 128.70): BG020547.D (-1372) (-)

Ion 129.00 (128.70 to 129.70): BG020547.D (-1372) (-)

Ion 127.00 (126.70 to 127.70): BG020547.D (-1372) (-)

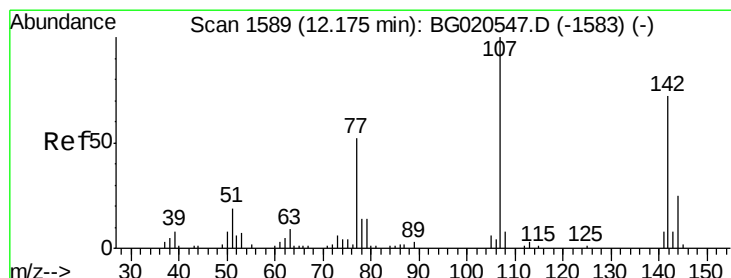
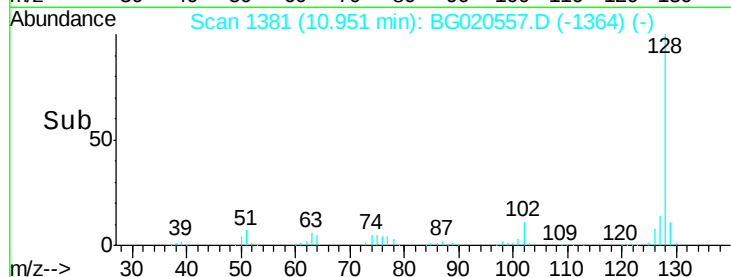
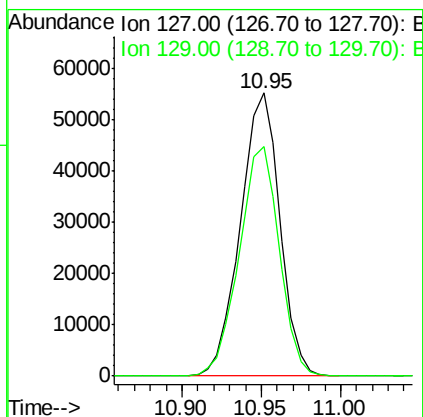
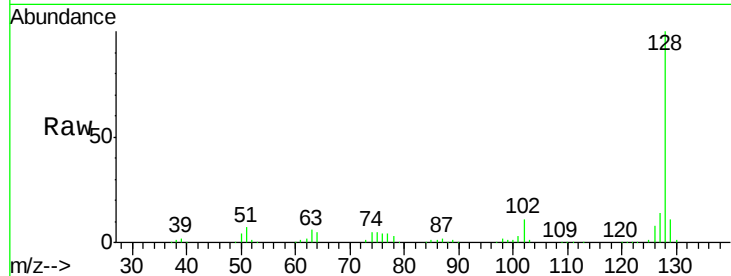




#30
4-Chloroaniline
Concen: 59.15 ng/ul
RT: 10.95 min Scan# 1381
Delta R.T. -0.10 min
Lab File: BG020557.D
Acq: 27 Dec 2015 15:57

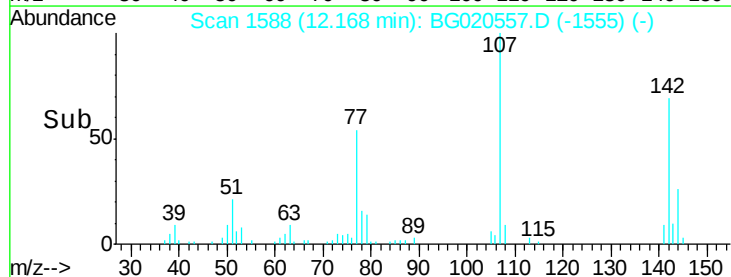
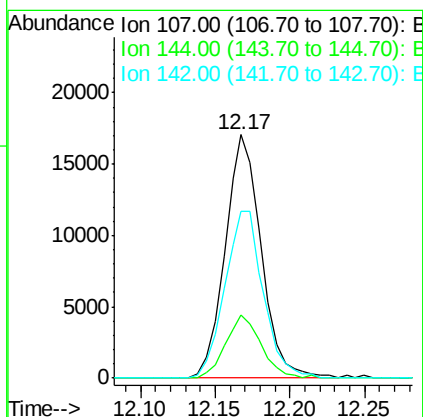
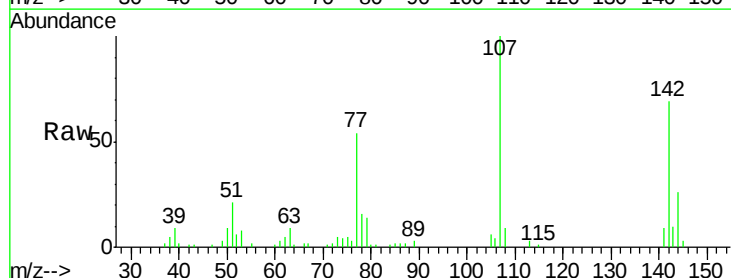
Instrument :
BNA_G
ClientSampleId :
D9N67MS

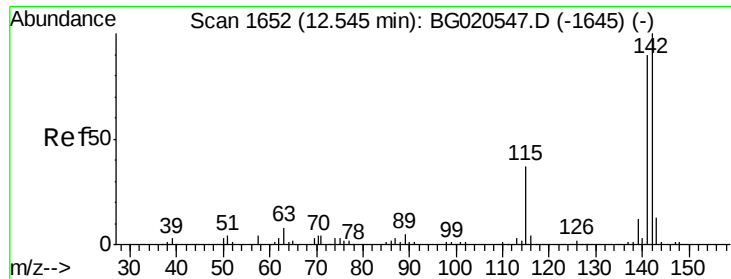
Tgt Ion:127 Resp: 95779
Ion Ratio Lower Upper
127 100
129 81.3 25.7 38.5#



#33
4-Chloro-3-methylphenol
Concen: 19.07 ng/ul
RT: 12.17 min Scan# 1588
Delta R.T. -0.01 min
Lab File: BG020557.D
Acq: 27 Dec 2015 15:57

Tgt Ion:107 Resp: 28811
Ion Ratio Lower Upper
107 100
144 25.8 18.7 28.1
142 68.8 52.8 79.2

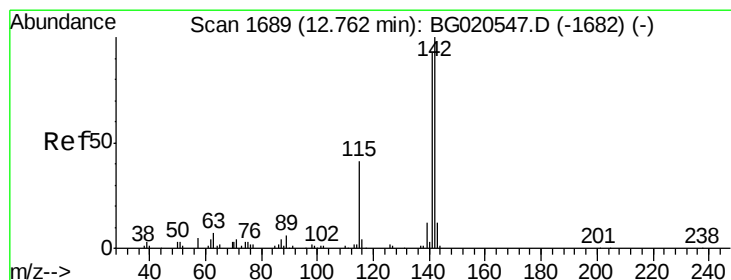
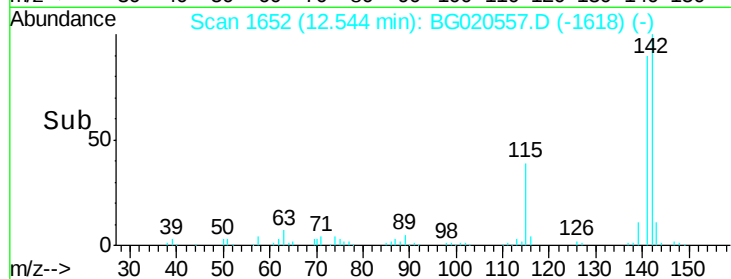
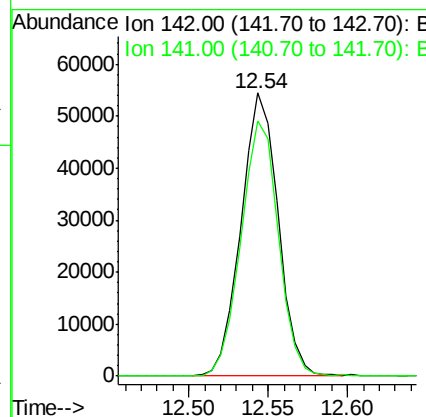
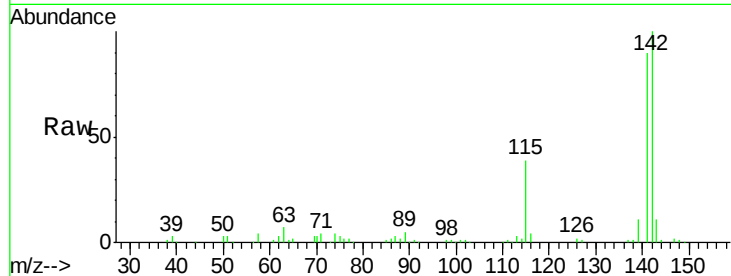




#34
 2-Methylnaphthalene
 Concen: 27.58 ng/ul
 RT: 12.54 min Scan# 1652
 Delta R.T. -0.00 min
 Lab File: BG020557.D
 Acq: 27 Dec 2015 15:57

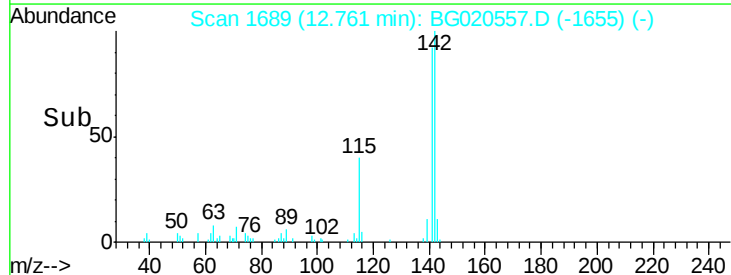
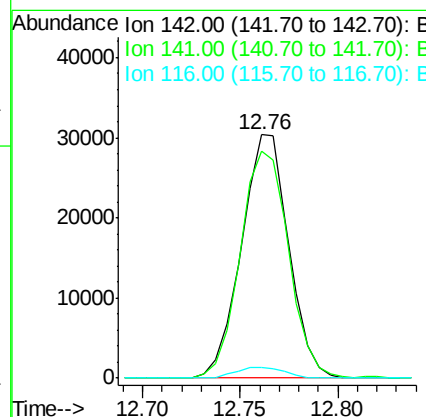
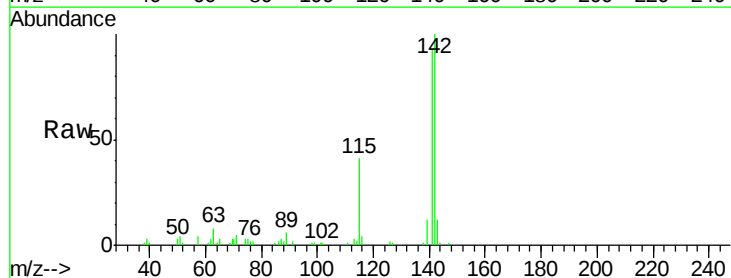
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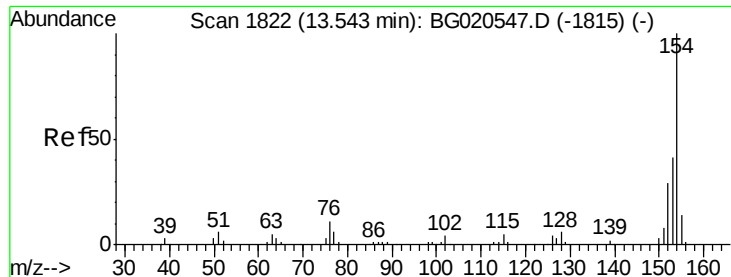
Tgt Ion:142 Resp: 88421
 Ion Ratio Lower Upper
 142 100
 141 90.3 74.9 112.3



#35
 1-Methylnaphthalene
 Concen: 16.69 ng/ul
 RT: 12.76 min Scan# 1689
 Delta R.T. -0.00 min
 Lab File: BG020557.D
 Acq: 27 Dec 2015 15:57

Tgt Ion:142 Resp: 50830
 Ion Ratio Lower Upper
 142 100
 141 93.2 73.0 109.6
 116 4.3 3.0 4.6

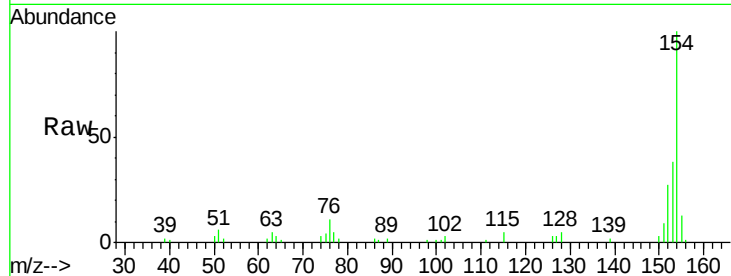




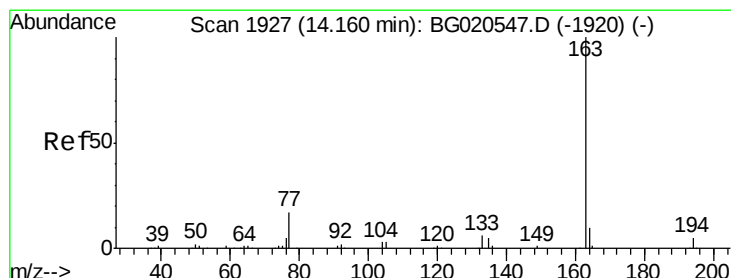
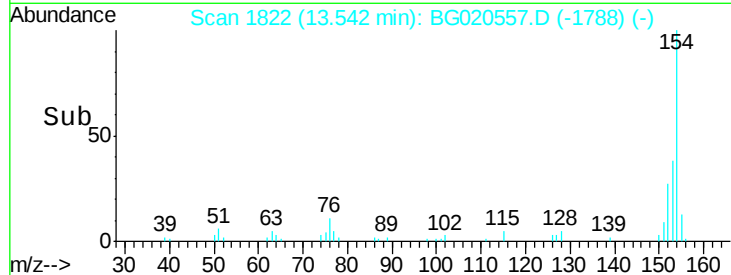
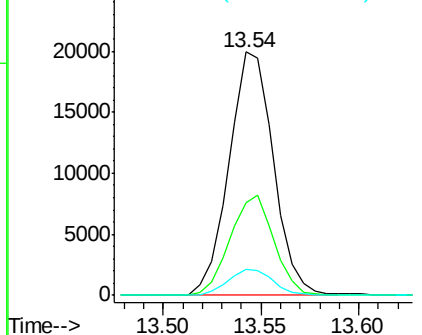
#41
 1,1'-Biphenyl
 Concen: 7.02 ng/ul
 RT: 13.54 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: BG020557.D
 Acq: 27 Dec 2015 15:57

Instrument :
 BNA_G
 ClientSampleId :
 D9N67MS

Tgt Ion:154 Resp: 31450
 Ion Ratio Lower Upper
 154 100
 153 38.0 35.5 53.3
 76 10.7 10.4 15.6

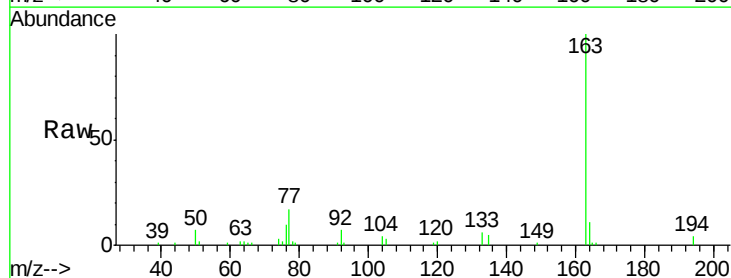


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): B

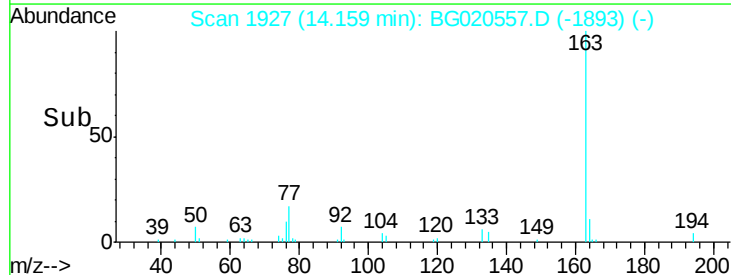
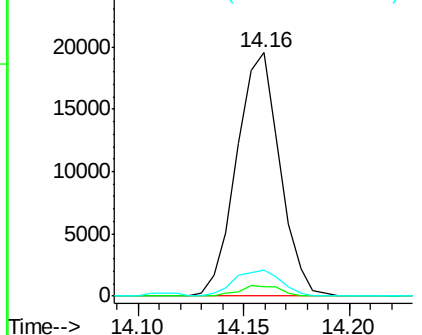


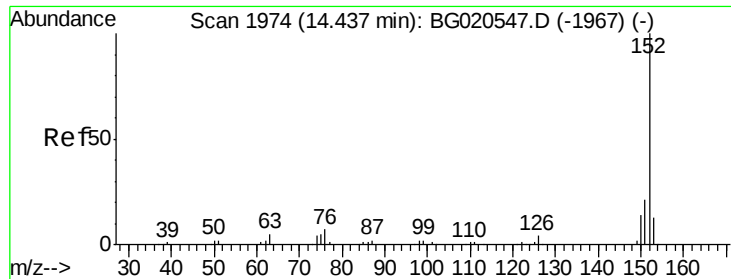
#45
 Dimethylphthalate
 Concen: 5.70 ng/ul
 RT: 14.16 min Scan# 1927
 Delta R.T. -0.00 min
 Lab File: BG020557.D
 Acq: 27 Dec 2015 15:57

Tgt Ion:163 Resp: 27743
 Ion Ratio Lower Upper
 163 100
 194 3.9 3.5 5.3
 164 10.6 7.7 11.5



Abundance Ion 163.00 (162.70 to 163.70): E
 Ion 194.00 (193.70 to 194.70): E
 Ion 164.00 (163.70 to 164.70): E





#48

Acenaphthylene

Concen: 2.83 ng/ul

RT: 14.44 min Scan# 1974

Delta R.T. -0.00 min

Lab File: BG020557.D

Acq: 27 Dec 2015 15:57

Instrument :

BNA_G

ClientSampleId :

D9N67MS

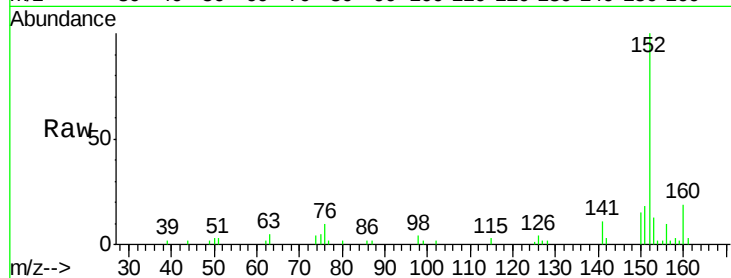
Tgt Ion:152 Resp: 16489

Ion Ratio Lower Upper

152 100

151 17.9 16.4 24.6

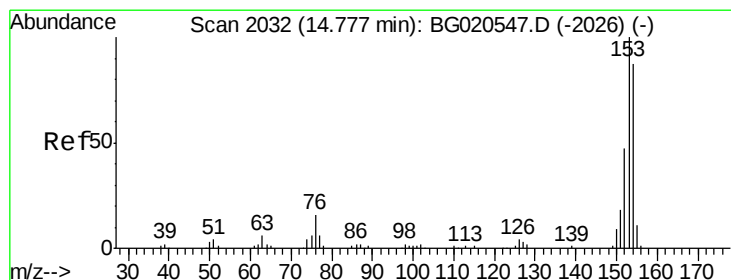
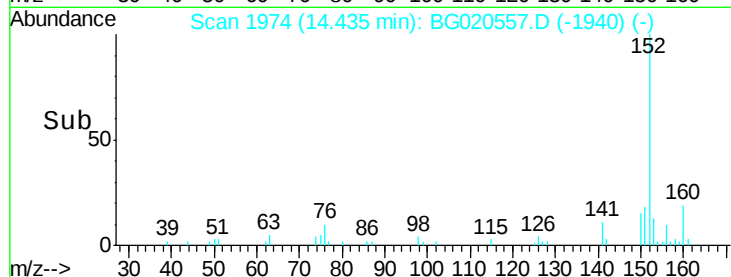
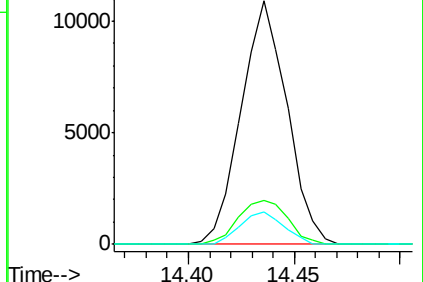
153 13.4 10.4 15.6



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: 58.14 ng/ul

RT: 14.78 min Scan# 2032

Delta R.T. -0.00 min

Lab File: BG020557.D

Acq: 27 Dec 2015 15:57

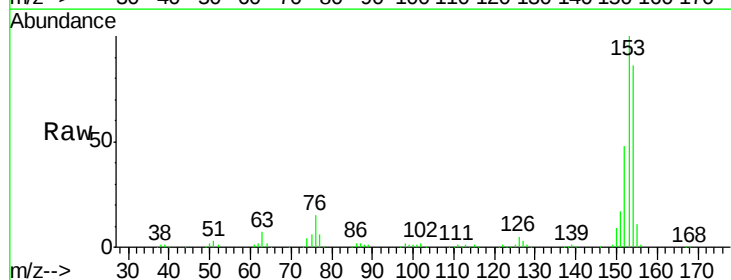
Tgt Ion:153 Resp: 229138

Ion Ratio Lower Upper

153 100

152 47.9 37.6 56.4

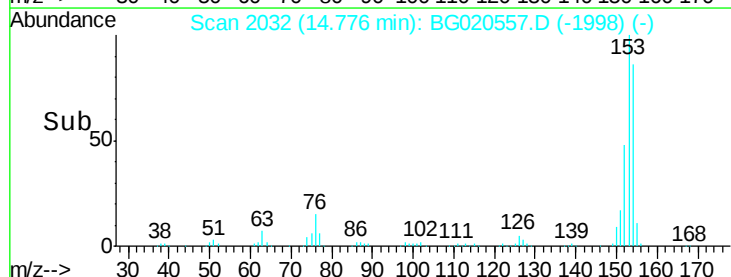
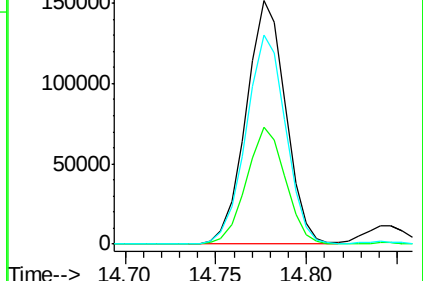
154 86.1 67.9 101.9

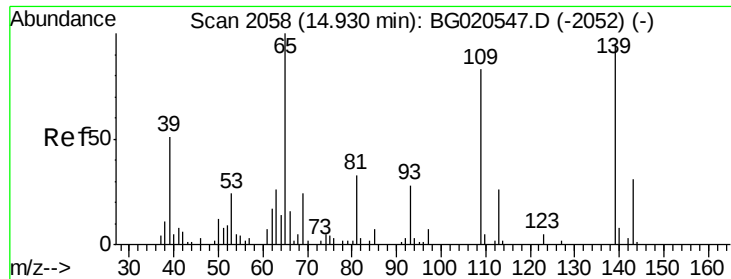


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#53

4-Nitrophenol

Concen: 5.21 ng/ul

RT: 14.93 min Scan# 2059

Delta R.T. 0.00 min

Lab File: BG020557.D

Acq: 27 Dec 2015 15:57

Instrument :

BNA_G

ClientSampleId :

D9N67MS

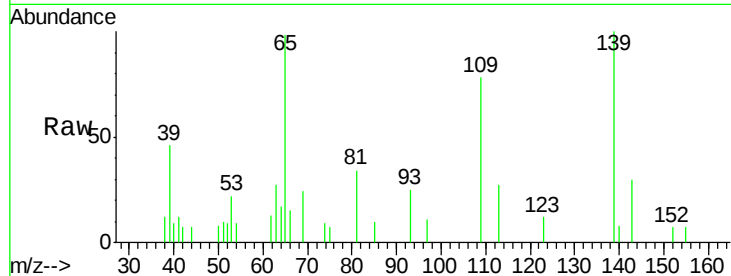
Tgt Ion:109 Resp: 3764

Ion Ratio Lower Upper

109 100

139 128.7 80.5 120.7#

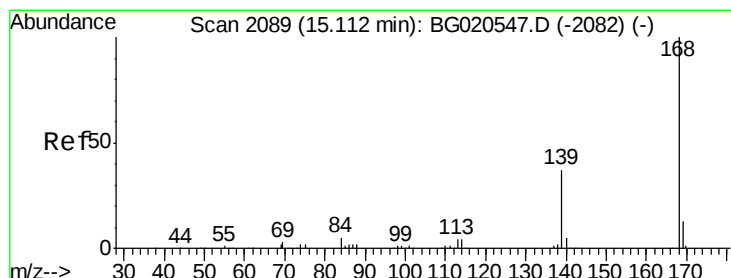
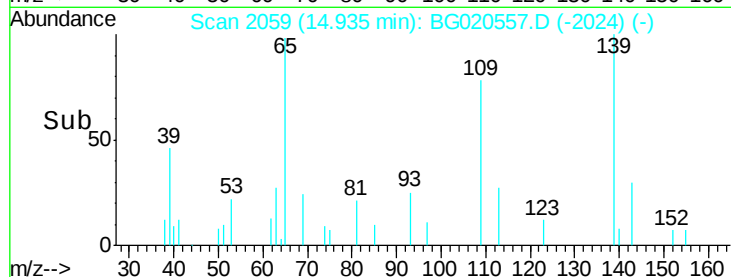
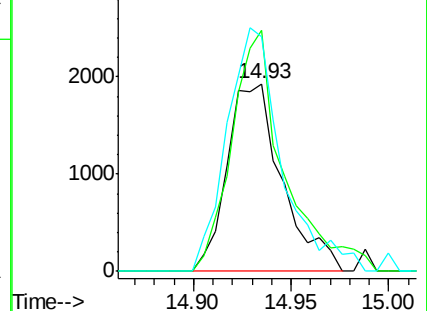
65 125.6 93.4 140.2



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: 21.62 ng/ul

RT: 15.11 min Scan# 2089

Delta R.T. -0.00 min

Lab File: BG020557.D

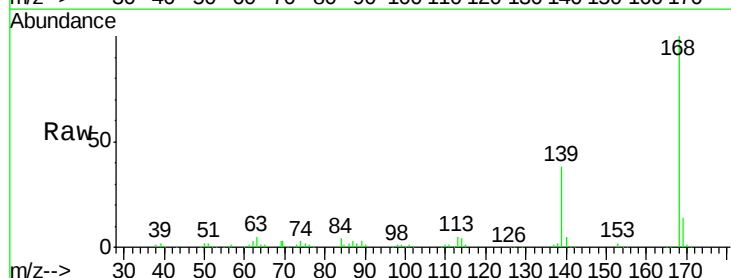
Acq: 27 Dec 2015 15:57

Tgt Ion:168 Resp: 126765

Ion Ratio Lower Upper

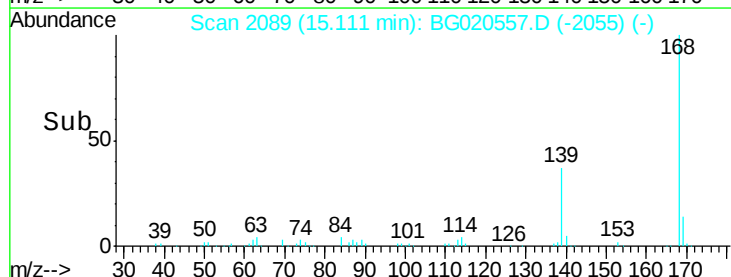
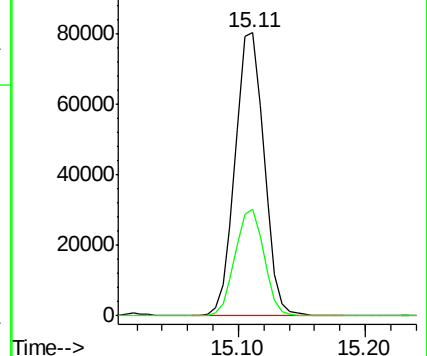
168 100

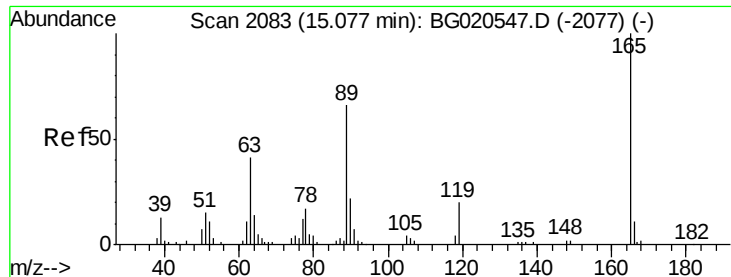
139 37.6 30.5 45.7



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#55

2,4-Dinitrotoluene

Concen: 21.60 ng/ul

RT: 15.08 min Scan# 2083

Delta R.T. -0.00 min

Lab File: BG020557.D

Acq: 27 Dec 2015 15:57

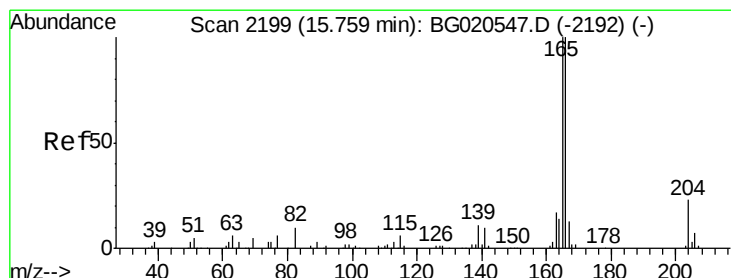
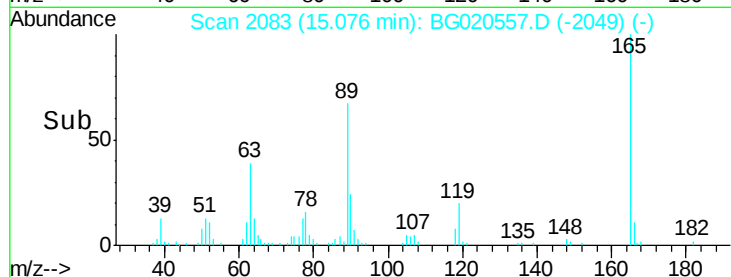
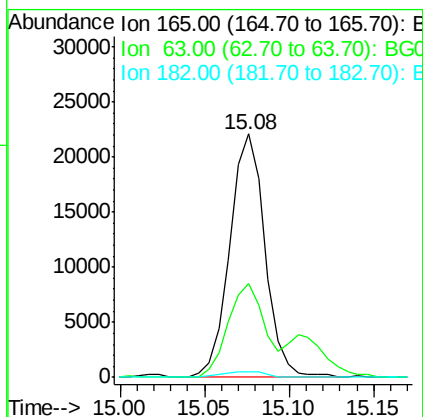
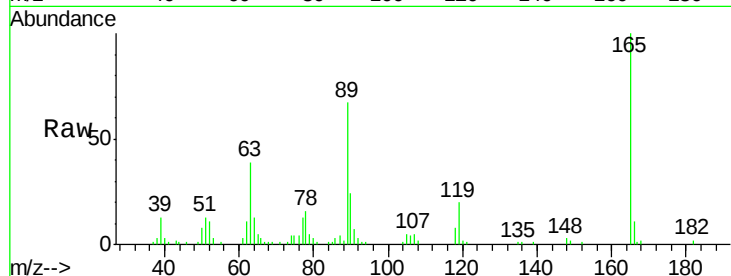
Instrument :

BNA_G

ClientSampleId :

D9N67MS

Tgt Ion:	165	Resp:	31960
Ion	Ratio	Lower	Upper
165	100		
63	38.6	35.8	53.8
182	2.4	2.2	3.2



#59

Fluorene

Concen: 21.43 ng/ul

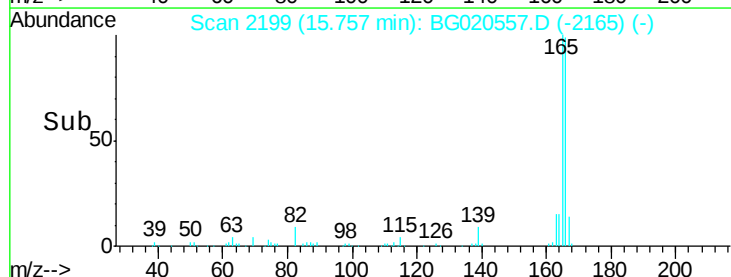
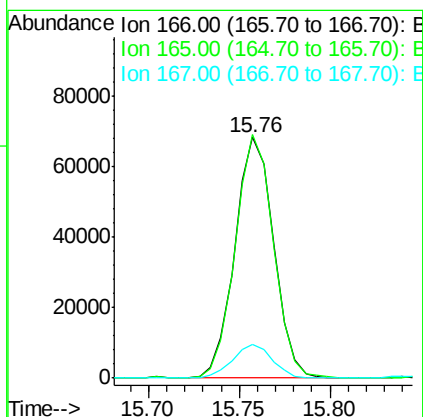
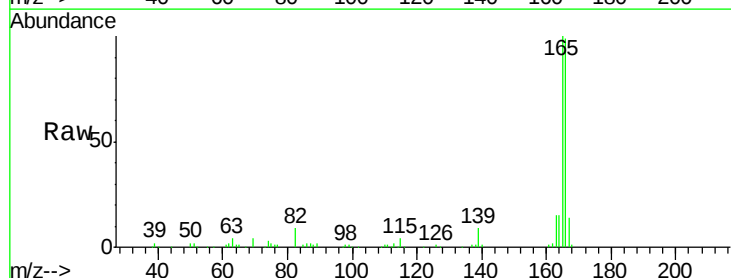
RT: 15.76 min Scan# 2199

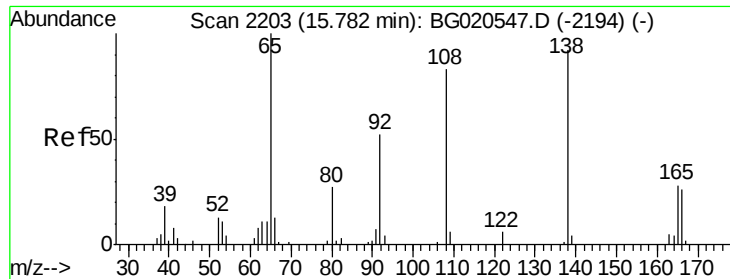
Delta R.T. -0.00 min

Lab File: BG020557.D

Acq: 27 Dec 2015 15:57

Tgt Ion:	166	Resp:	101842
Ion	Ratio	Lower	Upper
166	100		
165	101.1	81.4	122.0
167	14.2	11.2	16.8

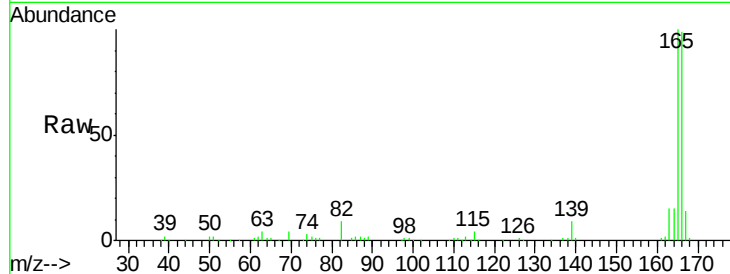




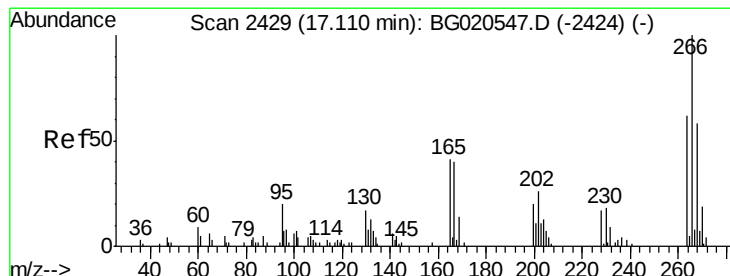
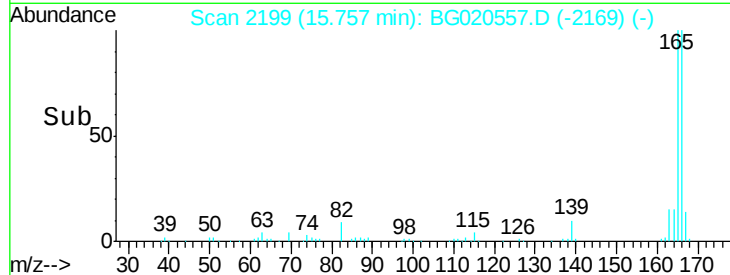
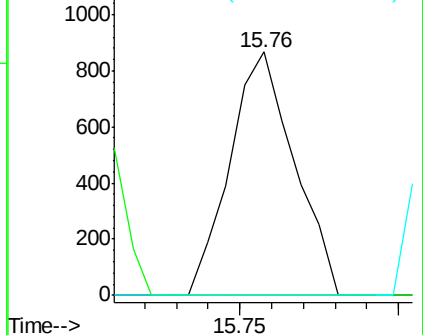
#61
4-Nitroaniline
Concen: 1.19 ng/ul
RT: 15.76 min Scan# 2199
Delta R.T. -0.02 min
Lab File: BG020557.D
Acq: 27 Dec 2015 15:57

Instrument :
BNA_G
ClientSampleId :
D9N67MS

Tgt Ion:138 Resp: 1219
Ion Ratio Lower Upper
138 100
92 0.0 45.2 67.8#
108 0.0 75.4 113.0#

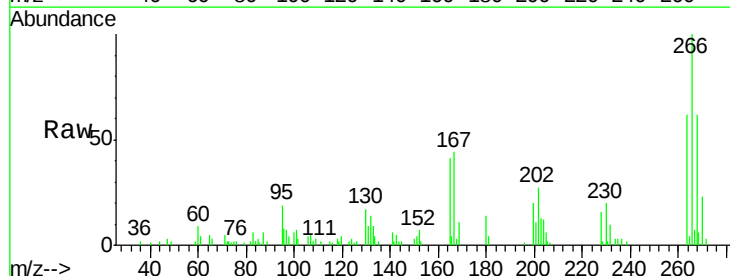


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BG
Ion 108.00 (107.70 to 108.70): E

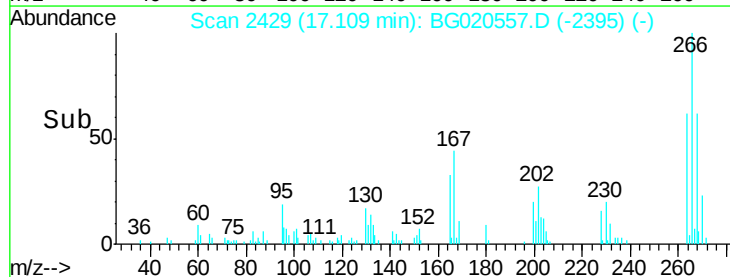
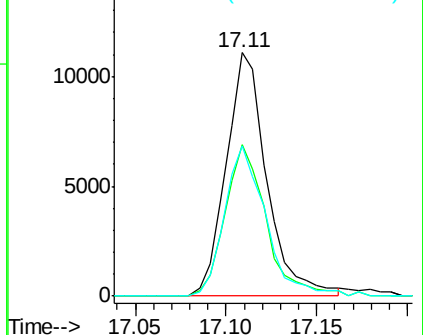


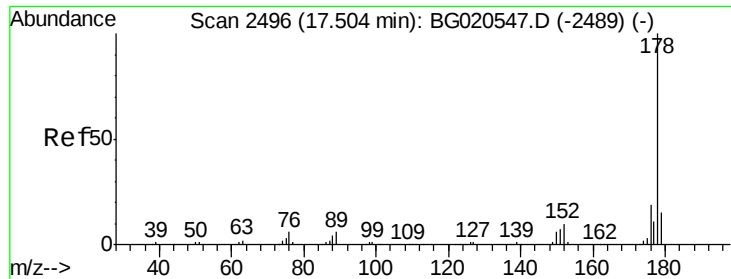
#69
Pentachlorophenol
Concen: 15.44 ng/ul
RT: 17.11 min Scan# 2429
Delta R.T. -0.00 min
Lab File: BG020557.D
Acq: 27 Dec 2015 15:57

Tgt Ion:266 Resp: 17297
Ion Ratio Lower Upper
266 100
264 62.4 52.2 78.2
268 67.8 49.3 73.9



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

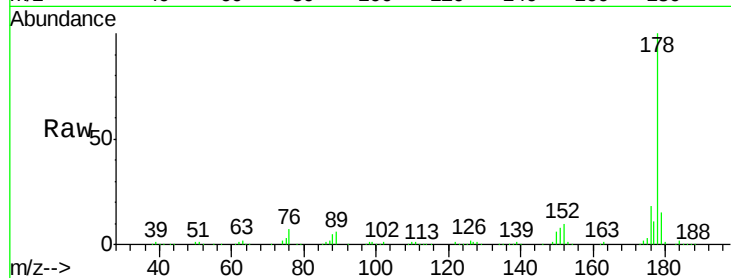




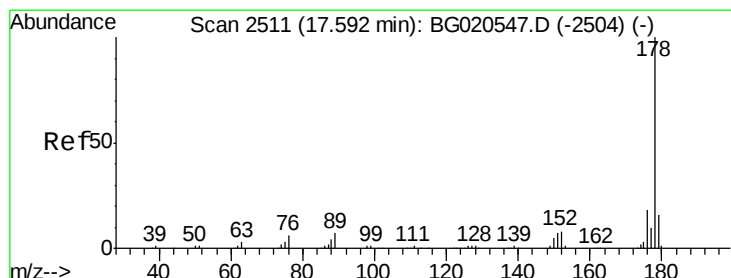
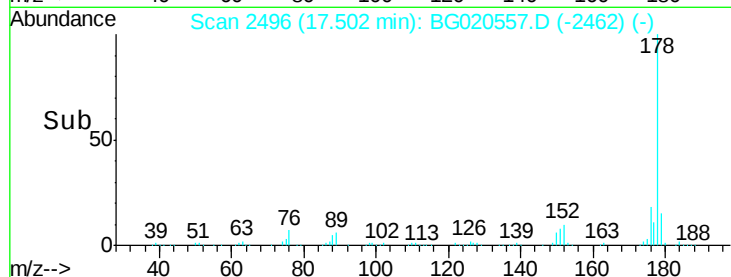
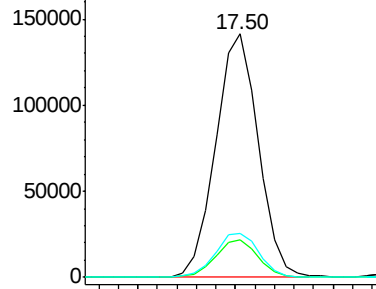
#70
Phenanthrene
Concen: 25.77 ng/ul
RT: 17.50 min Scan# 2496
Delta R.T. -0.00 min
Lab File: BG020557.D
Acq: 27 Dec 2015 15:57

Instrument :
BNA_G
ClientSampleId :
D9N67MS

Tgt Ion:178 Resp: 213448
Ion Ratio Lower Upper
178 100
179 15.5 12.9 19.3
176 18.2 15.3 22.9

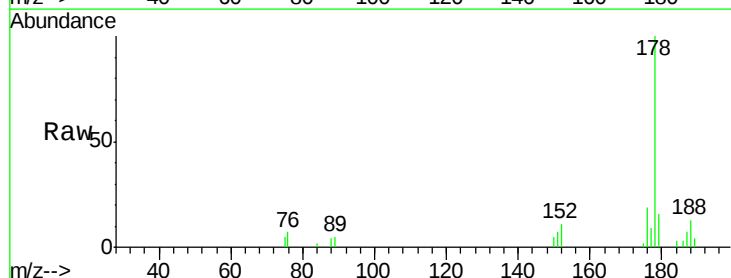


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E

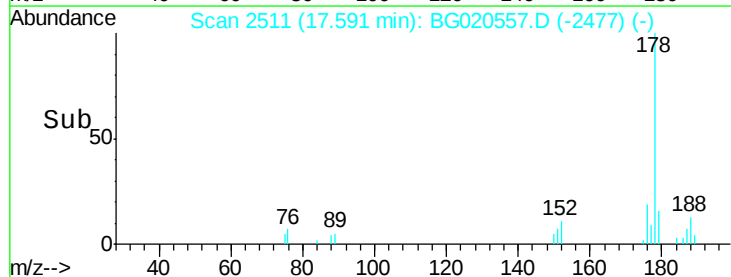
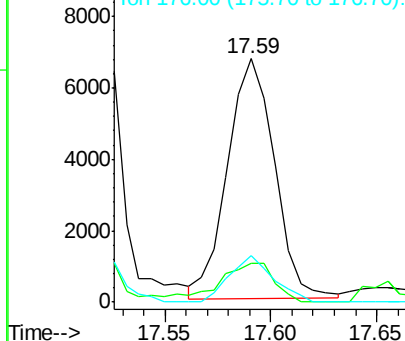


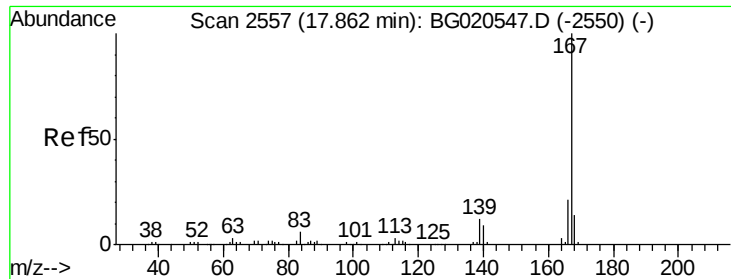
#72
Anthracene
Concen: 1.23 ng/ul
RT: 17.59 min Scan# 2511
Delta R.T. -0.00 min
Lab File: BG020557.D
Acq: 27 Dec 2015 15:57

Tgt Ion:178 Resp: 10388
Ion Ratio Lower Upper
178 100
179 15.8 12.3 18.5
176 19.2 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: 6.05 ng/ul

RT: 17.86 min Scan# 2557

Delta R.T. -0.00 min

Lab File: BG020557.D

Acq: 27 Dec 2015 15:57

Instrument :

BNA_G

ClientSampleId :

D9N67MS

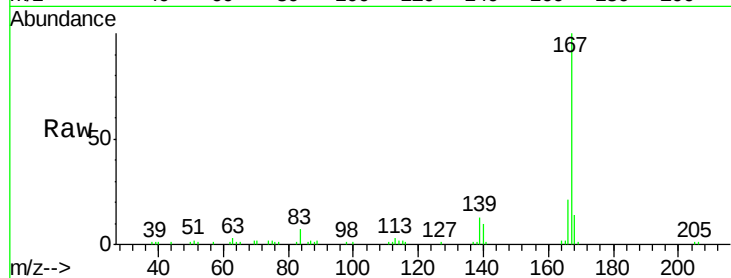
Tgt Ion:167 Resp: 43210

Ion Ratio Lower Upper

167 100

166 21.4 17.0 25.6

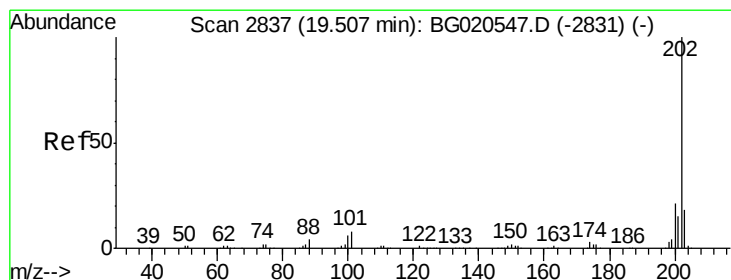
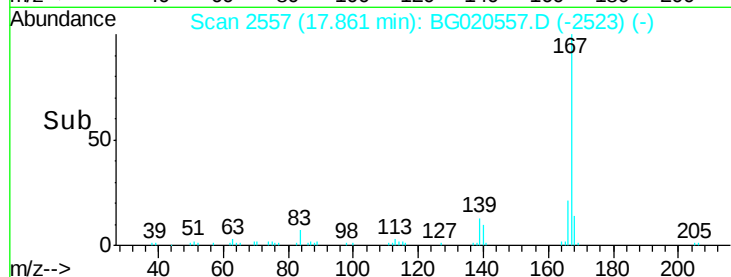
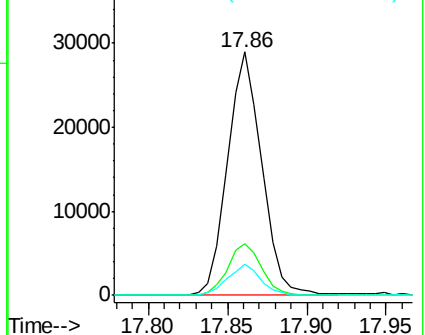
139 12.7 10.1 15.1



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: 2.88 ng/ul

RT: 19.51 min Scan# 2837

Delta R.T. -0.00 min

Lab File: BG020557.D

Acq: 27 Dec 2015 15:57

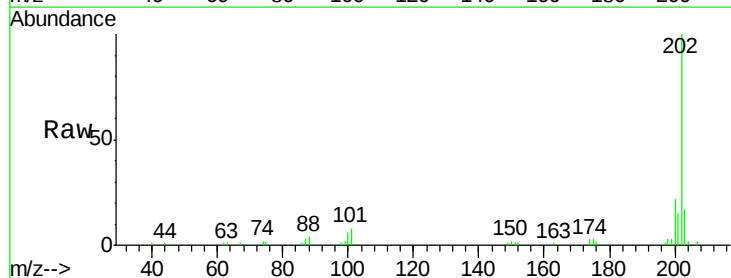
Tgt Ion:202 Resp: 30021

Ion Ratio Lower Upper

202 100

101 7.5 6.2 9.4

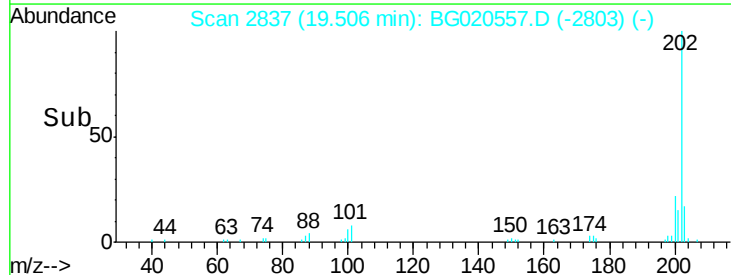
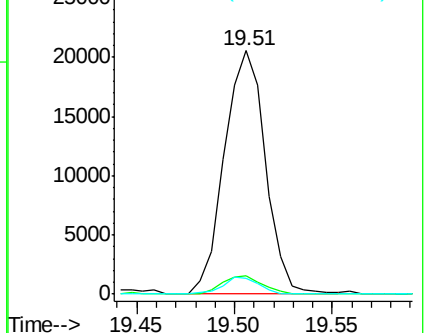
100 6.4 5.1 7.7

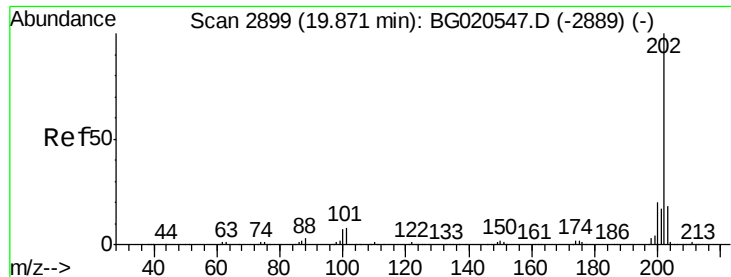


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

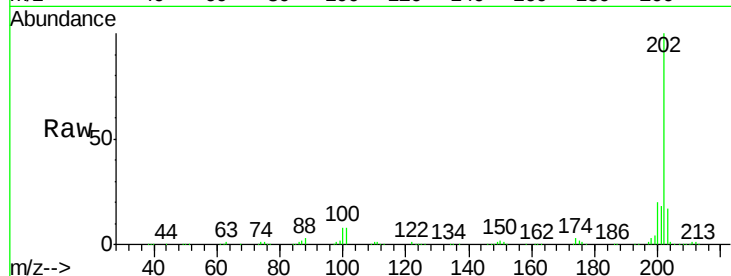




#80
 Pyrene
 Concen: 24.62 ng/ul
 RT: 19.87 min Scan# 2899
 Delta R.T. -0.00 min
 Lab File: BG020557.D
 Acq: 27 Dec 2015 15:57

Instrument :
 BNA_G
 ClientSampleId :
 D9N67MS

Tgt Ion:	202	Resp:	253867
Ion	Ratio	Lower	Upper
202	100		
101	8.2	7.0	10.4
100	7.6	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

