

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG010516\
 Data File : BG020664.D
 Acq On : 5 Jan 2016 20:58
 Operator : UM/SJ
 Sample : G4846-22MSDRE
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N67MSD

Quant Time: Jan 06 00:34:43 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	14155	20.00	ng/ul	0.00
18) Naphthalene-d8	10.87	136	65969	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.69	164	48797	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.43	188	127433	20.00	ng/ul	0.00
78) Chrysene-d12	21.70	240	155294	20.00	ng/ul	0.00
86) Perylene-d12	24.95	264	146993	20.00	ng/ul	-0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.42	96	344	1.46	ng/uL	0.00
5) Phenol-d5	7.21	99	8158	6.82	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.37	67	14672	20.29	ng/ul	0.00
9) 2-Chlorophenol-d4	7.58	132	16695	18.26	ng/ul	0.00
13) 4-Methylphenol-d8	8.76	113	13764	13.42	ng/ul	0.00
19) Nitrobenzene-d5	9.22	128	10498	20.60	ng/ul	0.00
22) 2-Nitrophenol-d4	9.95	143	12163	20.56	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.49	165	21591	19.21	ng/ul	0.00
29) 4-Chloroaniline-d4	0.00	131	0	0.00	ng/ul	
44) Dimethylphthalate-d6	14.09	166	93321	23.37	ng/ul	0.00
47) Acenaphthylene-d8	14.38	160	94668	20.87	ng/ul	0.00
52) 4-Nitrophenol-d4	14.90	143	4370	6.98	ng/ul	0.00
58) Fluorene-d10	15.68	176	81006	22.38	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.80	200	12870	16.65	ng/ul	0.00
71) Anthracene-d10	17.53	188	136530	22.99	ng/ul	0.00
79) Pyrene-d10	19.82	212	165218	23.72	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.72	264	166976	22.77	ng/ul	-0.01

Target Compounds

						Qvalue
6) Phenol	7.24	94	10123	7.86	ng/ul	97
10) 2-Chlorophenol	7.61	128	16517	17.29	ng/ul	96
15) N-Nitroso-di-n-propylamine	8.85	70	19058	22.45	ng/ul	97
28) Naphthalene	10.92	128	657642	188.24	ng/ul	98
30) 4-Chloroaniline	10.92	127	89855	65.54	ng/ul#	1
33) 4-Chloro-3-methylphenol	12.14	107	24196	19.26	ng/ul	98
34) 2-Methylnaphthalene	12.52	142	78078	29.87	ng/ul	98
35) 1-Methylnaphthalene	12.74	142	46100	18.27	ng/ul	99
41) 1,1'-Biphenyl	13.52	154	26126	7.12	ng/ul	98
45) Dimethylphthalate	14.14	163	19516	4.78	ng/ul#	98
48) Acenaphthylene	14.41	152	14656	3.03	ng/ul	97
50) Acenaphthene	14.75	153	193664	59.24	ng/ul	99
53) 4-Nitrophenol	14.91	109	3018	5.46	ng/ul	98
54) Dibenzofuran	15.09	168	107936	21.85	ng/ul	97
55) 2,4-Dinitrotoluene	15.05	165	25866	20.94	ng/ul	100
59) Fluorene	15.73	166	83947	21.12	ng/ul	95
61) 4-Nitroaniline	15.73	138	1029	1.22	ng/ul#	14
69) Pentachlorophenol	17.09	266	11342	16.57	ng/ul	95
70) Phenanthrene	17.47	178	171793	24.80	ng/ul	99
72) Anthracene	17.57	178	8320	1.17	ng/ul	97
75) Carbazole	17.84	167	53053	8.87	ng/ul	98
77) Fluoranthene	19.48	202	26718	3.16	ng/ul	99
80) Pyrene	19.85	202	216269	24.04	ng/ul	99

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG010516\
Data File : BG020664.D
Acq On : 5 Jan 2016 20:58
Operator : UM/SJ
Sample : G4846-22MSDRE
Misc :
ALS Vial : 13 Sample Multiplier: 1

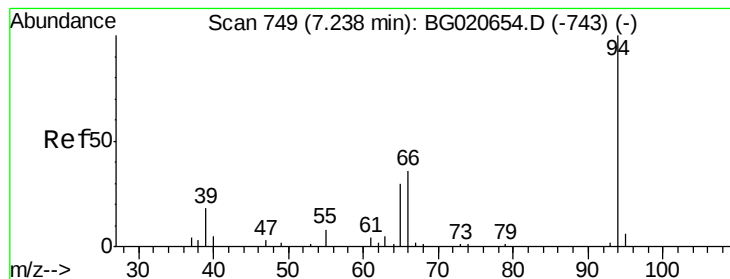
Instrument :
BNA_G
ClientSampleId :
D9N67MSD

Quant Time: Jan 06 00:34:43 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)
--------------------	------	------	----------	------	-------	----------

-----	-----	-----	-----	-----	-----	-----
-----	-----	-----	-----	-----	-----	-----

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



#6

Phenol

Concen: 7.86 ng/ul

RT: 7.24 min Scan# 749

Delta R.T. 0.00 min

Lab File: BG020664.D

Acq: 5 Jan 2016 20:58

Instrument :

BNA_G

ClientSampleId :

D9N67MSD

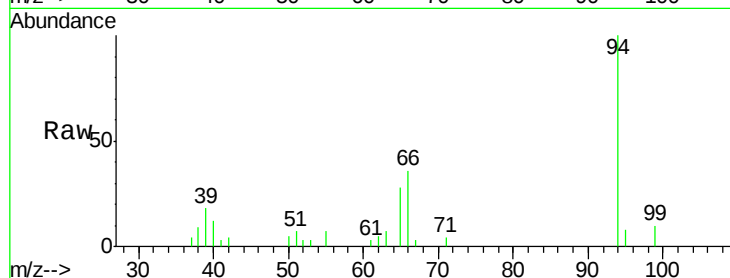
Tgt Ion: 94 Resp: 10123

Ion Ratio Lower Upper

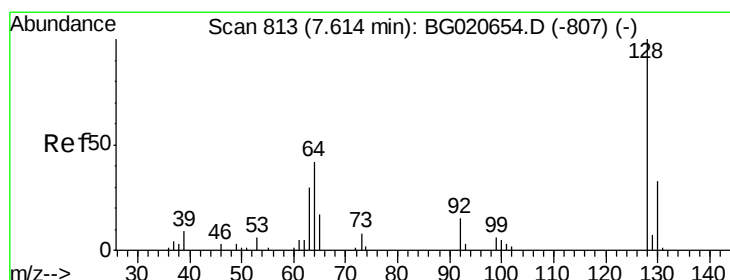
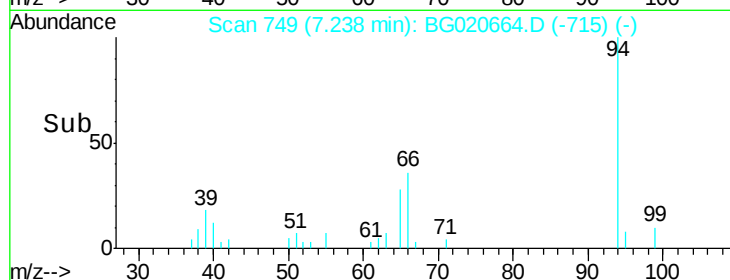
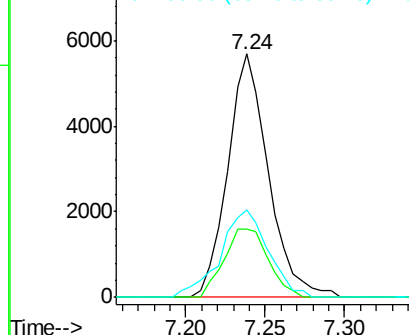
94 100

65 28.2 23.0 34.6

66 35.7 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: 17.29 ng/ul

RT: 7.61 min Scan# 813

Delta R.T. 0.00 min

Lab File: BG020664.D

Acq: 5 Jan 2016 20:58

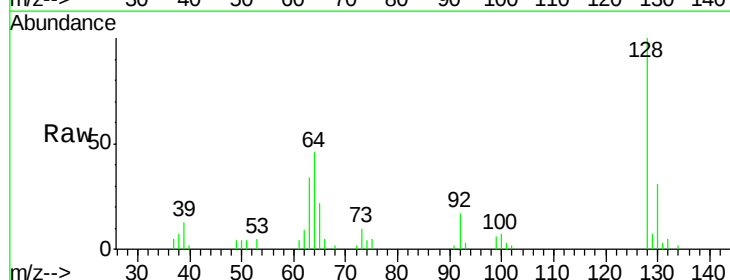
Tgt Ion:128 Resp: 16517

Ion Ratio Lower Upper

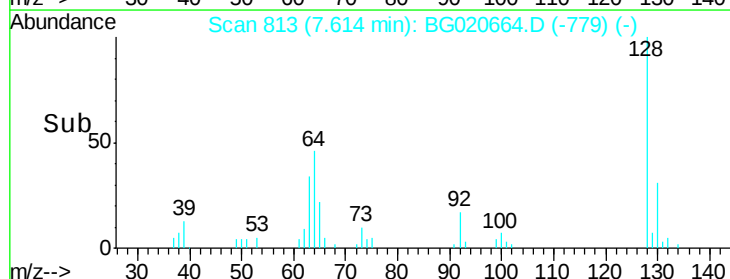
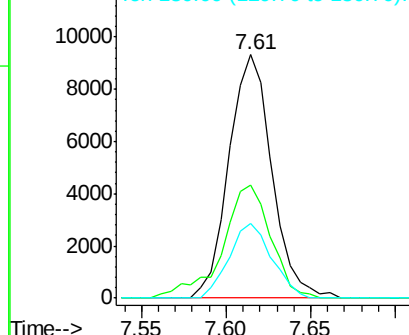
128 100

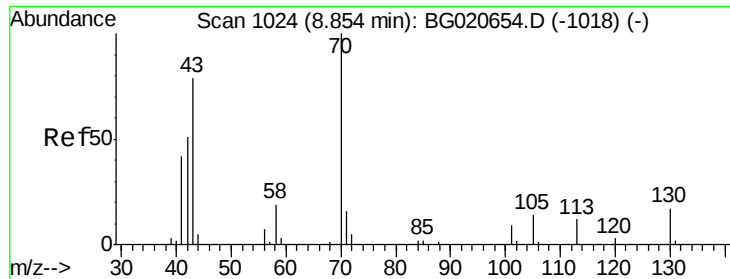
64 46.3 39.8 59.6

130 30.8 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: 22.45 ng/ul

RT: 8.85 min Scan# 1024

Delta R.T. 0.00 min

Lab File: BG020664.D

Acq: 5 Jan 2016 20:58

Instrument :

BNA_G

ClientSampleId :

D9N67MSD

Tgt Ion: 70 Resp: 19058

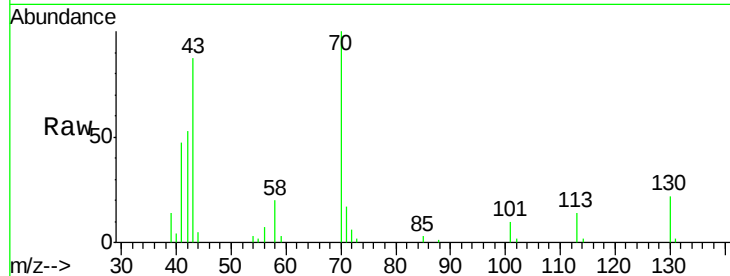
Ion Ratio Lower Upper

70 100

42 53.0 40.2 60.4

101 9.7 7.7 11.5

130 21.8 17.8 26.6

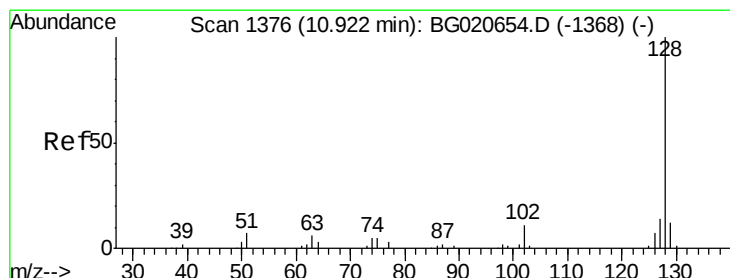
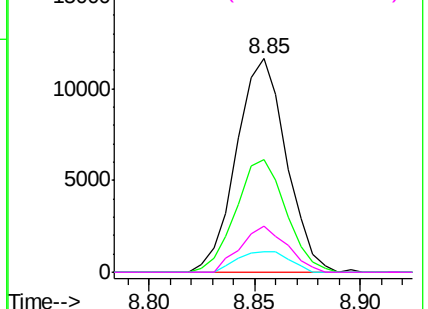
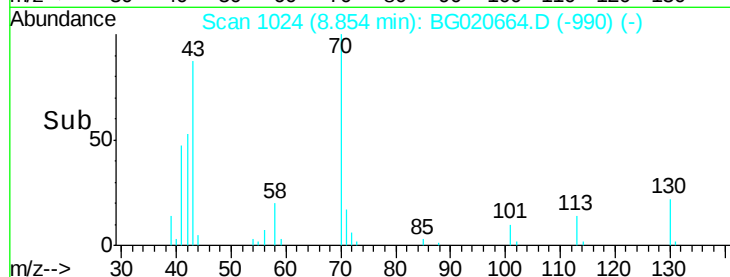


Abundance Ion 70.00 (69.70 to 70.70): BGC

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: 188.24 ng/ul

RT: 10.92 min Scan# 1376

Delta R.T. 0.00 min

Lab File: BG020664.D

Acq: 5 Jan 2016 20:58

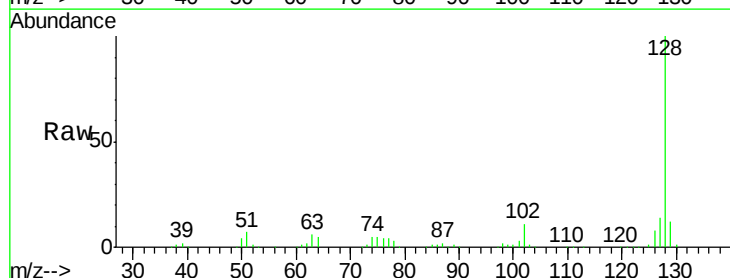
Tgt Ion: 128 Resp: 657642

Ion Ratio Lower Upper

128 100

129 11.7 8.3 12.5

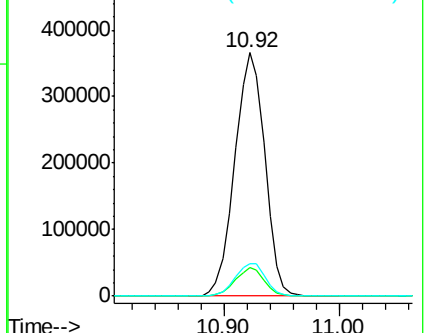
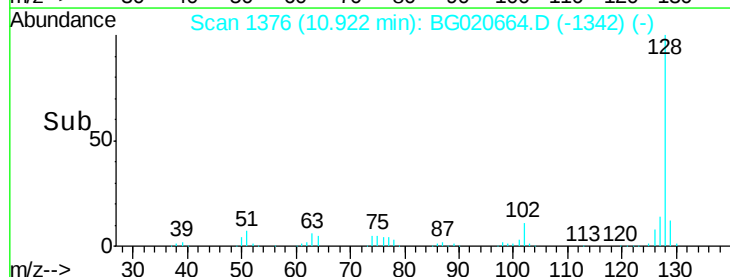
127 13.6 10.8 16.2

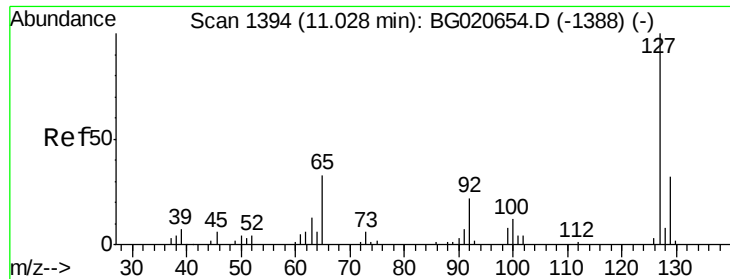


Abundance Ion 128.00 (127.70 to 128.70): BGC

Ion 129.00 (128.70 to 129.70): BGC

Ion 127.00 (126.70 to 127.70): BGC

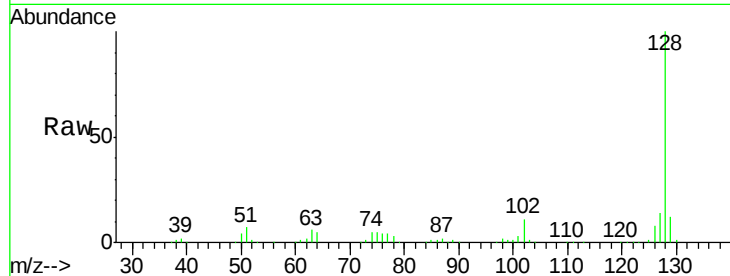




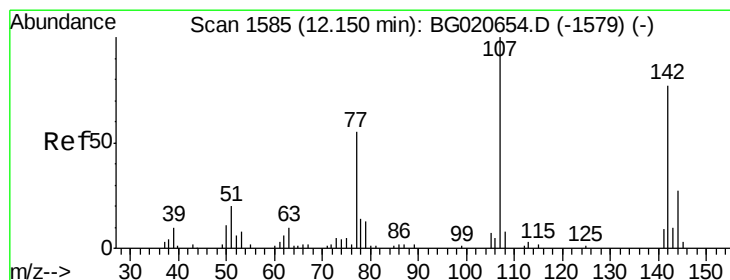
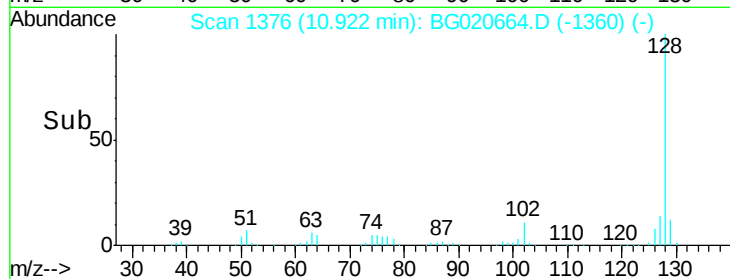
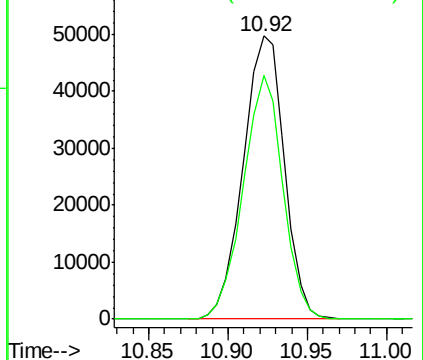
#30
4-Chloroaniline
Concen: 65.54 ng/ul
RT: 10.92 min Scan# 1376
Delta R.T. -0.11 min
Lab File: BG020664.D
Acq: 5 Jan 2016 20:58

Instrument :
BNA_G
ClientSampled :
D9N67MSD

Tgt Ion:127 Resp: 89855
Ion Ratio Lower Upper
127 100
129 86.1 24.6 37.0#

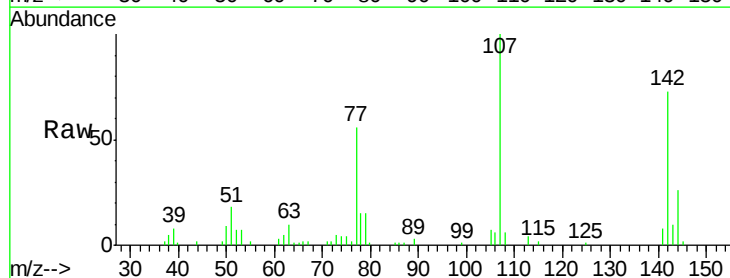


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E

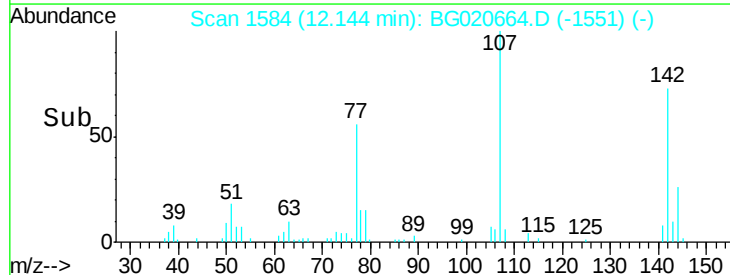
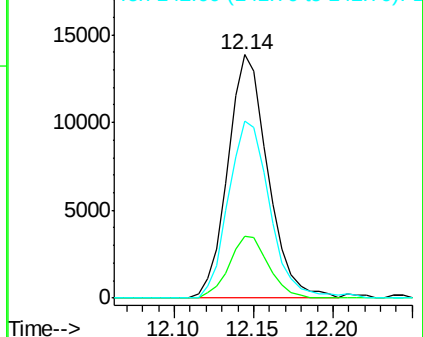


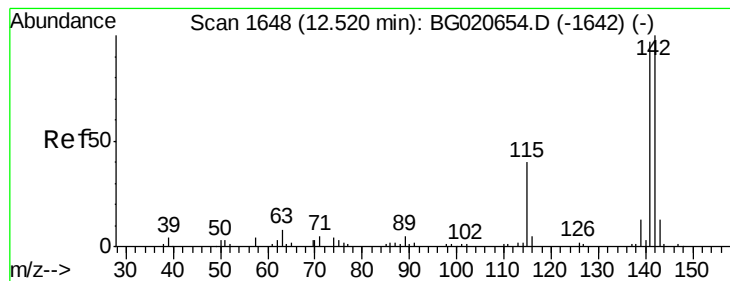
#33
4-Chloro-3-methylphenol
Concen: 19.26 ng/ul
RT: 12.14 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BG020664.D
Acq: 5 Jan 2016 20:58

Tgt Ion:107 Resp: 24196
Ion Ratio Lower Upper
107 100
144 25.6 21.1 31.7
142 72.8 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: 29.87 ng/ul

RT: 12.52 min Scan# 1648

Delta R.T. 0.00 min

Lab File: BG020664.D

Acq: 5 Jan 2016 20:58

Instrument :

BNA_G

ClientSampleId :

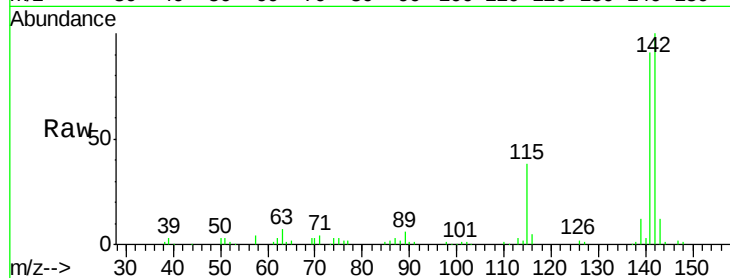
D9N67MSD

Tgt Ion:142 Resp: 78078

Ion Ratio Lower Upper

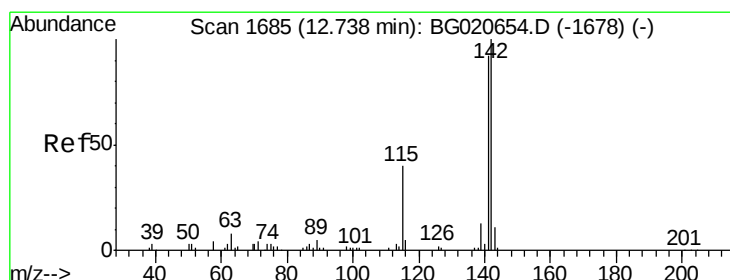
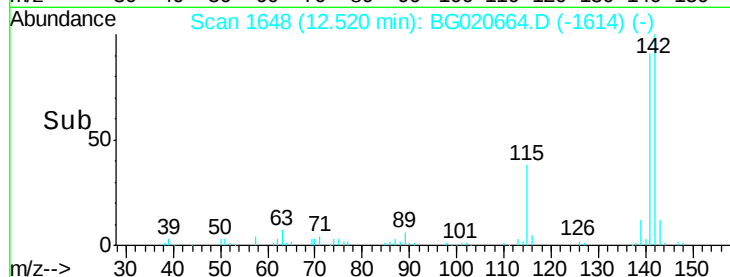
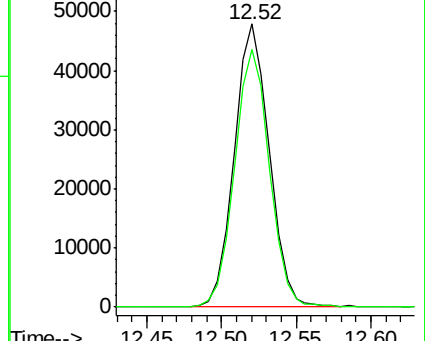
142 100

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



#35

1-Methylnaphthalene

Concen: 18.27 ng/ul

RT: 12.74 min Scan# 1685

Delta R.T. 0.00 min

Lab File: BG020664.D

Acq: 5 Jan 2016 20:58

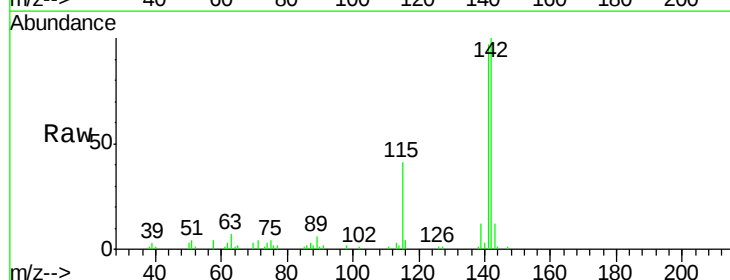
Tgt Ion:142 Resp: 46100

Ion Ratio Lower Upper

142 100

141 96.7 76.6 115.0

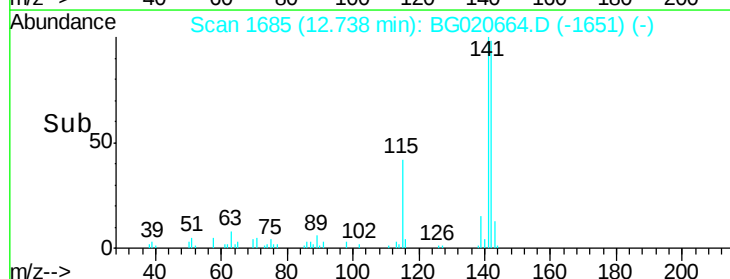
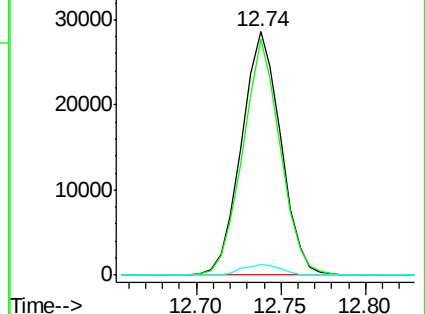
116 4.4 3.6 5.4

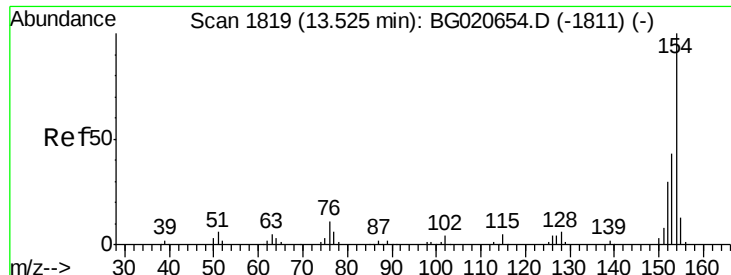


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E

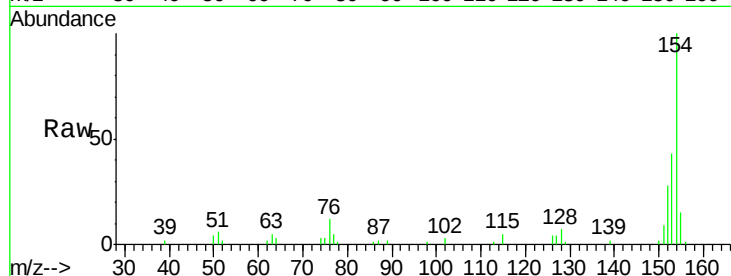




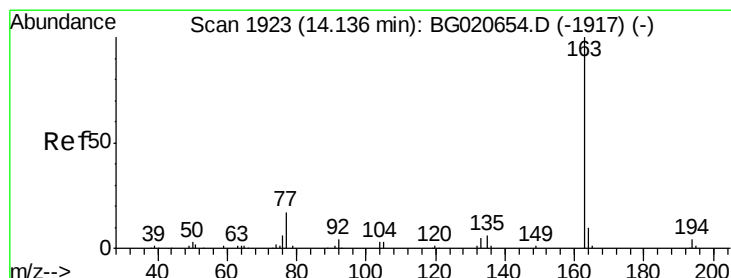
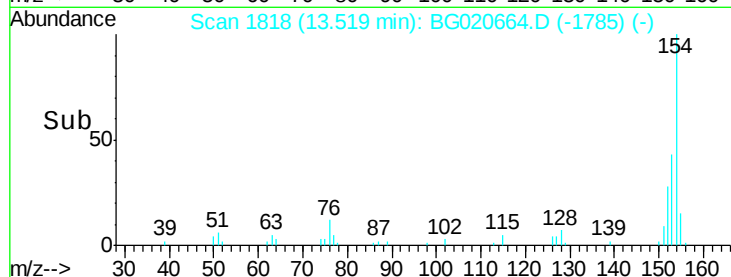
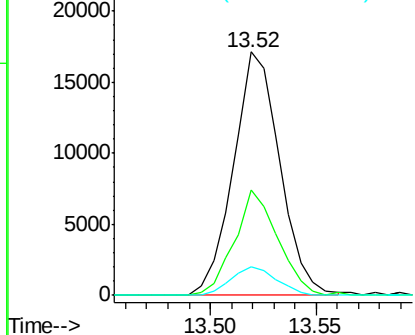
#41
 1,1'-Biphenyl
 Concen: 7.12 ng/ul
 RT: 13.52 min Scan# 1818
 Delta R.T. -0.01 min
 Lab File: BG020664.D
 Acq: 5 Jan 2016 20:58

Instrument :
 BNA_G
 ClientSampleId :
 D9N67MSD

Tgt Ion:154 Resp: 26126
 Ion Ratio Lower Upper
 154 100
 153 43.3 34.0 51.0
 76 11.8 8.4 12.6

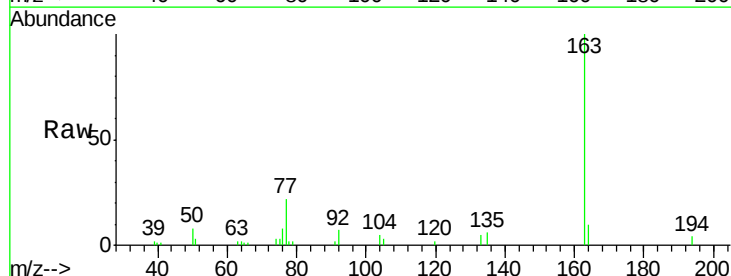


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BGC

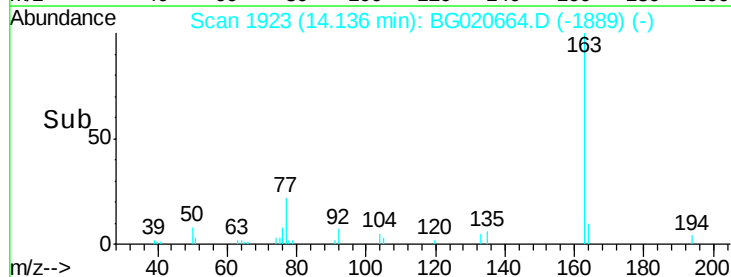
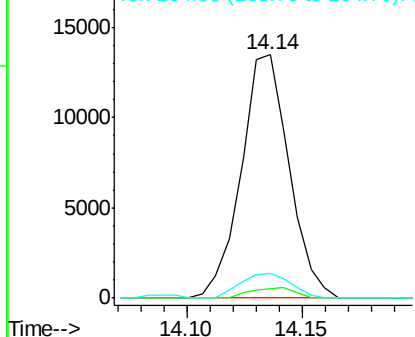


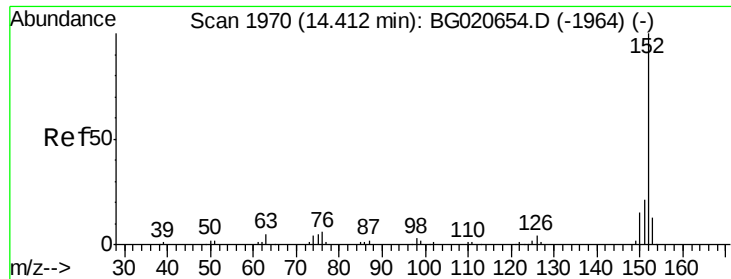
#45
 Dimethylphthalate
 Concen: 4.78 ng/ul
 RT: 14.14 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: BG020664.D
 Acq: 5 Jan 2016 20:58

Tgt Ion:163 Resp: 19516
 Ion Ratio Lower Upper
 163 100
 194 3.7 4.0 6.0#
 164 10.2 8.4 12.6



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: 3.03 ng/ul

RT: 14.41 min Scan# 1970

Delta R.T. 0.00 min

Lab File: BG020664.D

Acq: 5 Jan 2016 20:58

Instrument :

BNA_G

ClientSampleId :

D9N67MSD

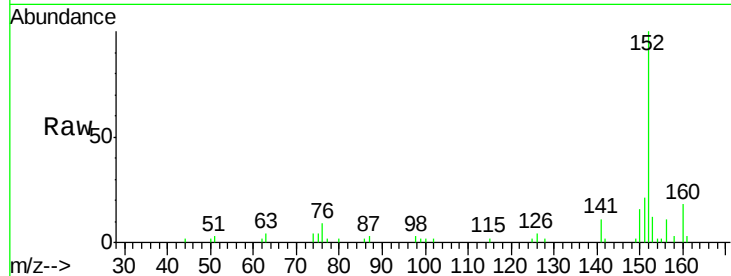
Tgt Ion:152 Resp: 14656

Ion Ratio Lower Upper

152 100

151 21.0 16.1 24.1

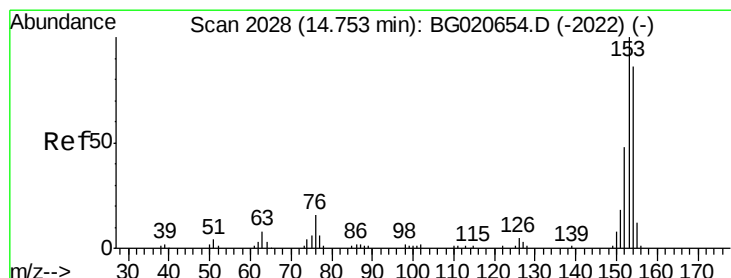
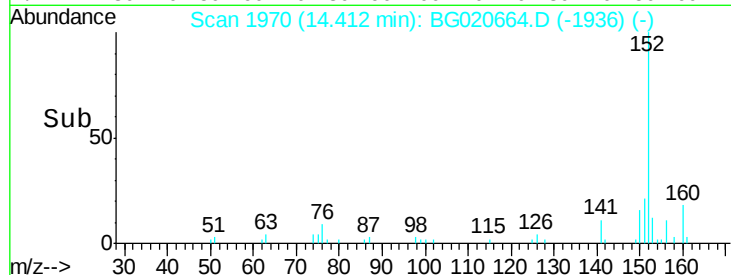
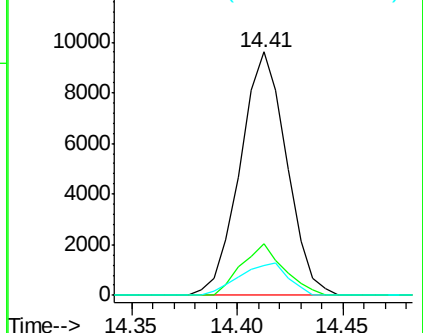
153 12.1 10.8 16.2



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: 59.24 ng/ul

RT: 14.75 min Scan# 2028

Delta R.T. 0.00 min

Lab File: BG020664.D

Acq: 5 Jan 2016 20:58

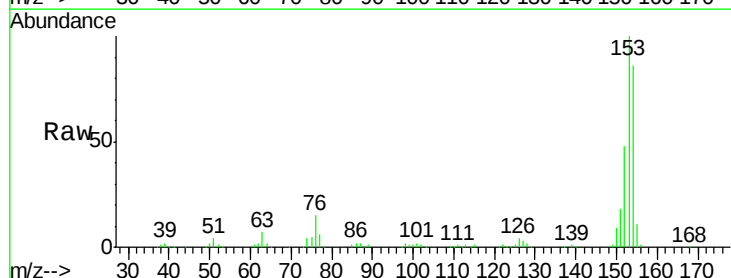
Tgt Ion:153 Resp: 193664

Ion Ratio Lower Upper

153 100

152 48.1 37.9 56.9

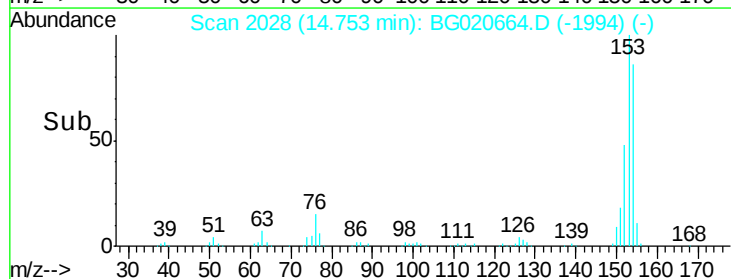
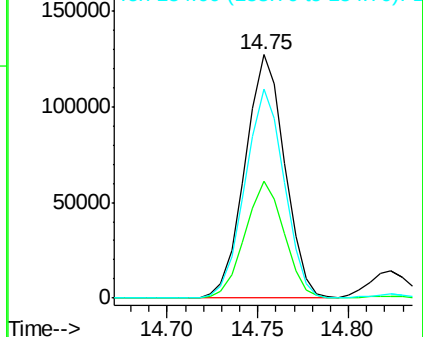
154 85.8 69.8 104.6

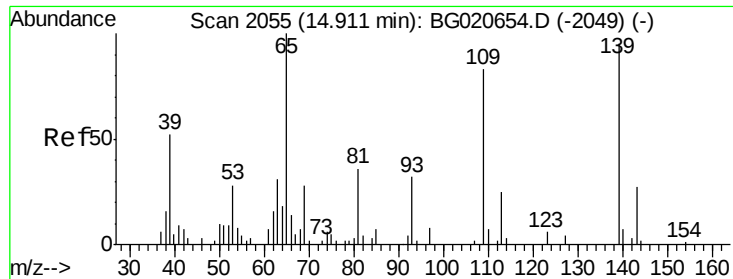


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

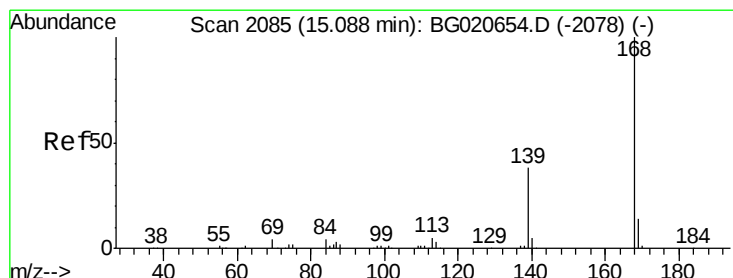
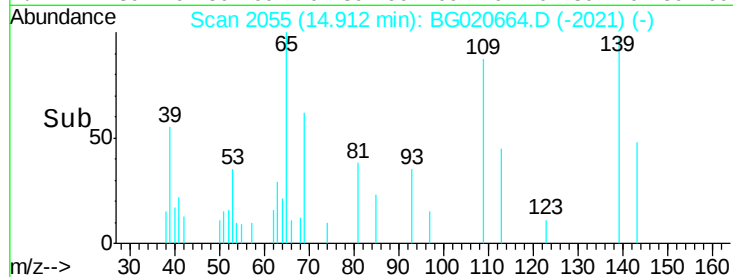
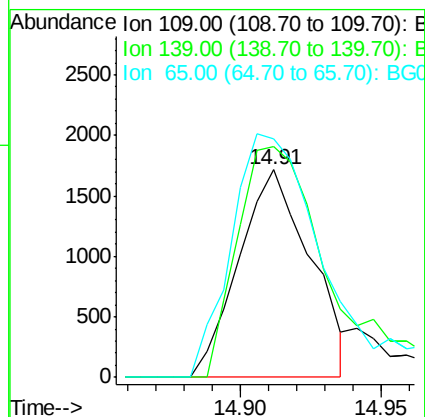
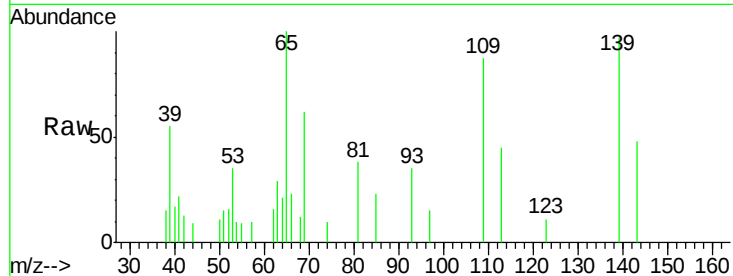




#53
4-Nitrophenol
Concen: 5.46 ng/ul
RT: 14.91 min Scan# 2055
Delta R.T. 0.00 min
Lab File: BG020664.D
Acq: 5 Jan 2016 20:58

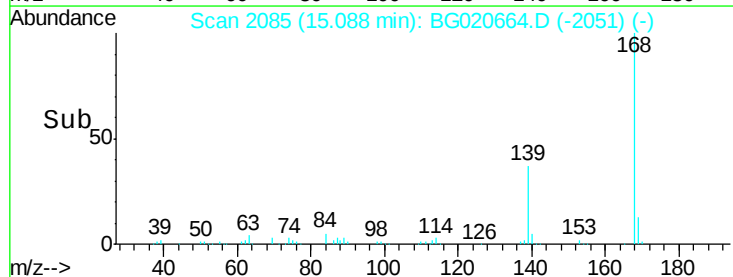
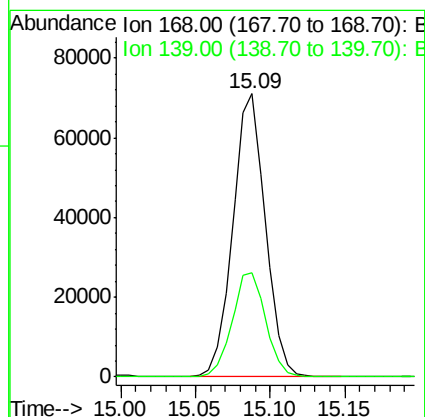
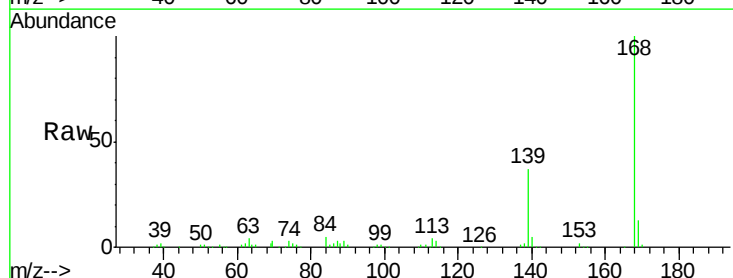
Instrument :
BNA_G
ClientSampleId :
D9N67MSD

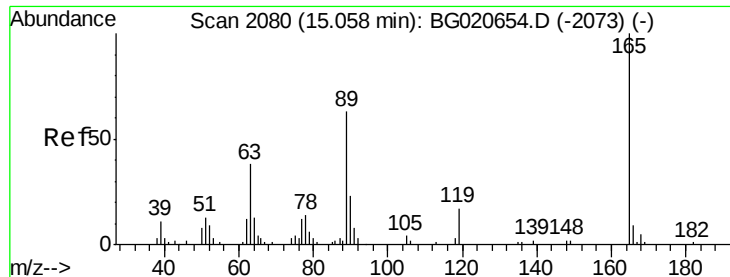
Tgt Ion:109 Resp: 3018
Ion Ratio Lower Upper
109 100
139 111.0 91.2 136.8
65 114.7 92.6 139.0



#54
Dibenzofuran
Concen: 21.85 ng/ul
RT: 15.09 min Scan# 2085
Delta R.T. 0.00 min
Lab File: BG020664.D
Acq: 5 Jan 2016 20:58

Tgt Ion:168 Resp: 107936
Ion Ratio Lower Upper
168 100
139 36.7 31.0 46.4

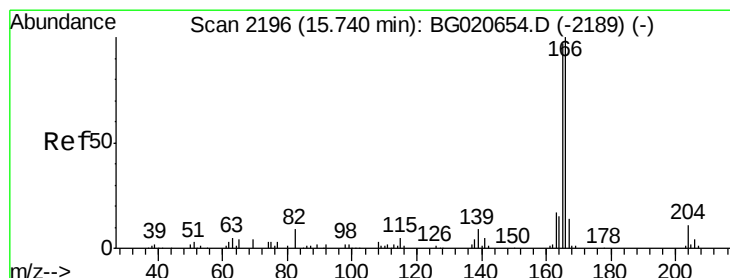
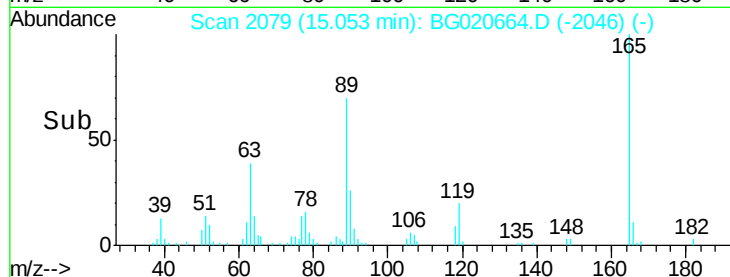
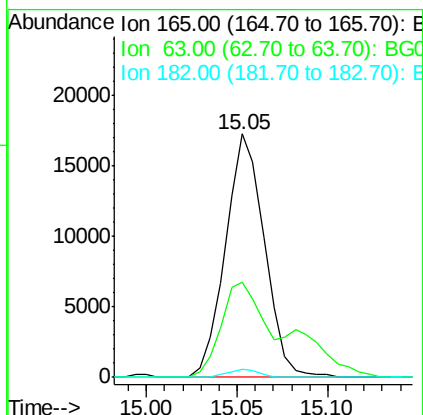
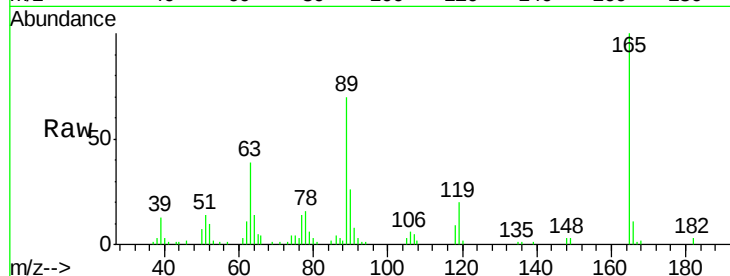




#55
 2,4-Dinitrotoluene
 Concen: 20.94 ng/ul
 RT: 15.05 min Scan# 2079
 Delta R.T. -0.01 min
 Lab File: BG020664.D
 Acq: 5 Jan 2016 20:58

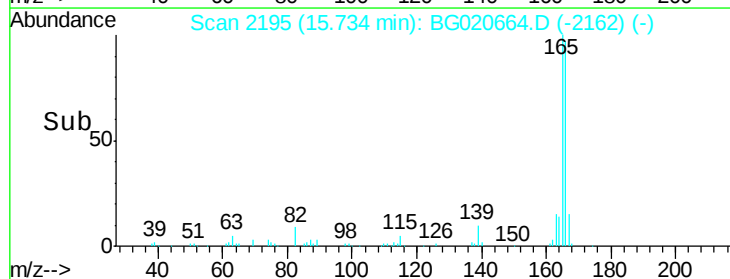
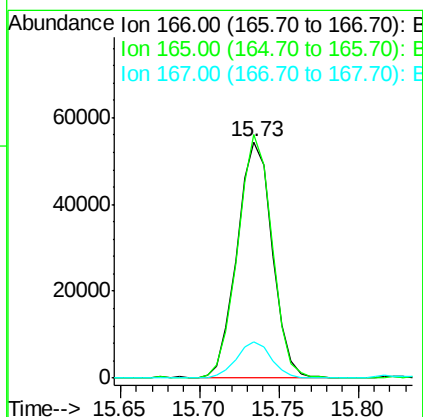
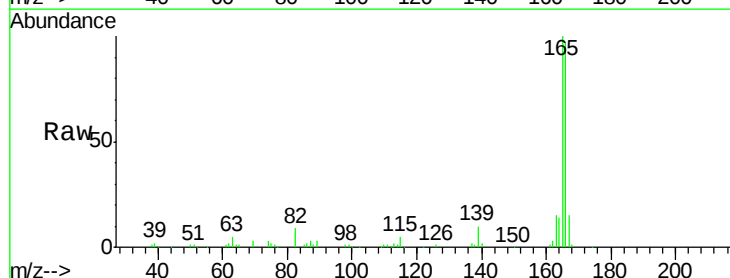
Instrument :
 BNA_G
 ClientSampleId :
 D9N67MSD

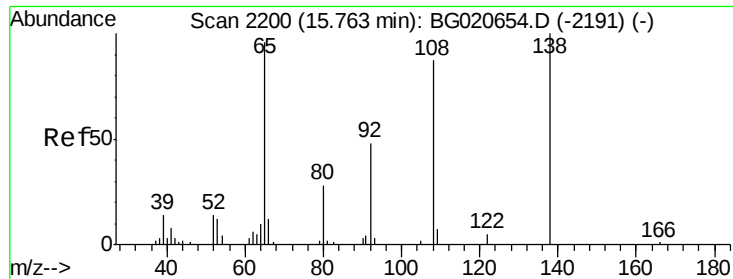
Tgt Ion:165 Resp: 25866
 Ion Ratio Lower Upper
 165 100
 63 39.1 31.4 47.0
 182 3.2 2.7 4.1



#59
 Fluorene
 Concen: 21.12 ng/ul
 RT: 15.73 min Scan# 2195
 Delta R.T. -0.01 min
 Lab File: BG020664.D
 Acq: 5 Jan 2016 20:58

Tgt Ion:166 Resp: 83947
 Ion Ratio Lower Upper
 166 100
 165 103.2 78.4 117.6
 167 15.2 11.1 16.7

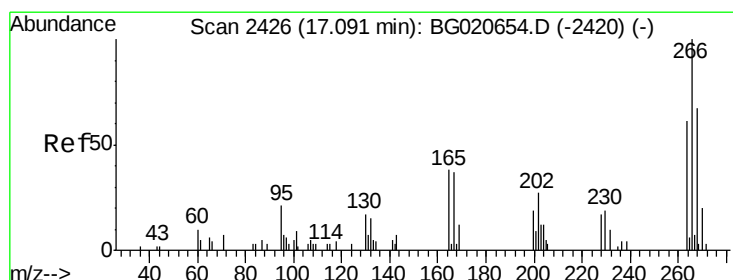
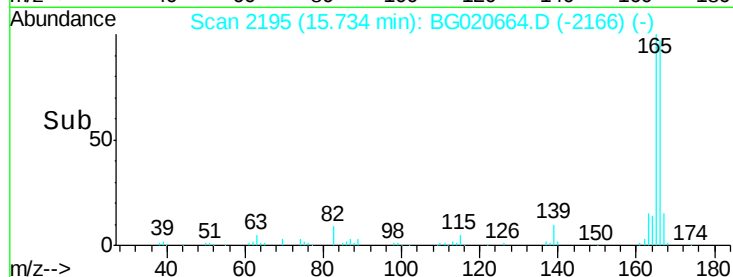
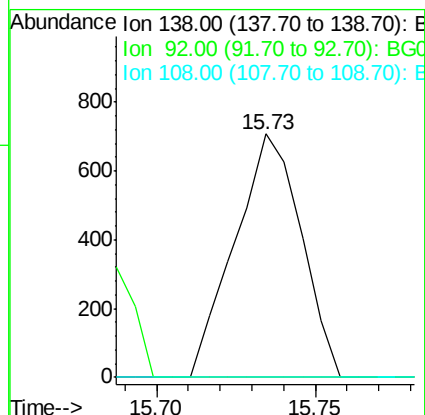
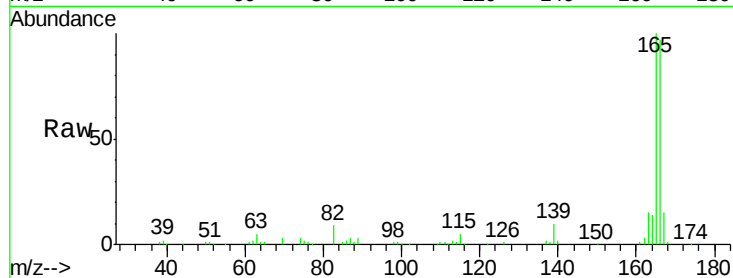




#61
4-Nitroaniline
Concen: 1.22 ng/ul
RT: 15.73 min Scan# 2195
Delta R.T. -0.03 min
Lab File: BG020664.D
Acq: 5 Jan 2016 20:58

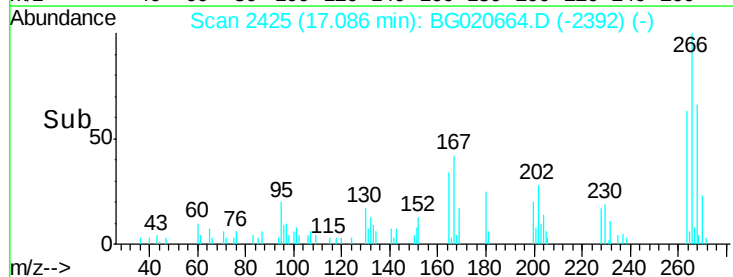
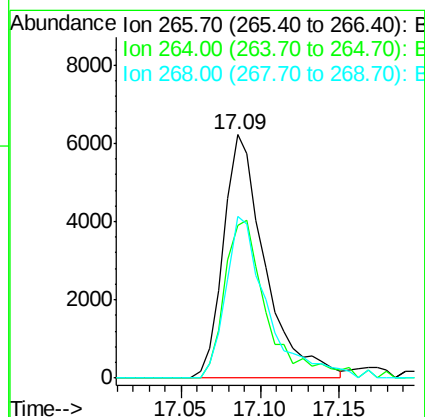
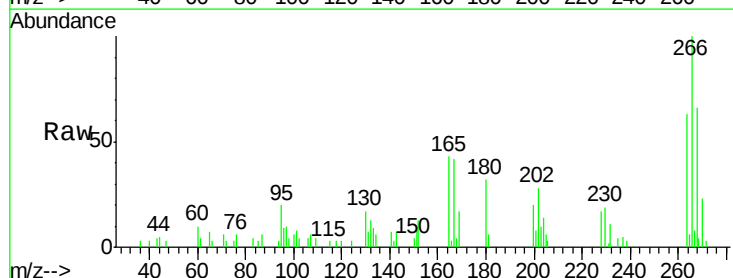
Instrument :
BNA_G
ClientSampleId :
D9N67MSD

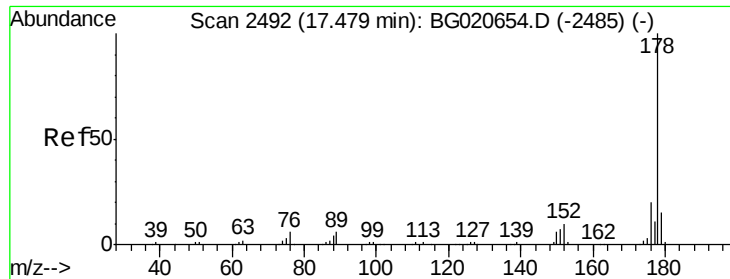
Tgt Ion:138 Resp: 1029
Ion Ratio Lower Upper
138 100
92 0.0 38.2 57.4#
108 0.0 70.0 105.0#



#69
Pentachlorophenol
Concen: 16.57 ng/ul
RT: 17.09 min Scan# 2425
Delta R.T. -0.01 min
Lab File: BG020664.D
Acq: 5 Jan 2016 20:58

Tgt Ion:266 Resp: 11342
Ion Ratio Lower Upper
266 100
264 62.9 48.2 72.4
268 70.3 52.3 78.5





#70

Phenanthrene

Concen: 24.80 ng/ul

RT: 17.47 min Scan# 2491

Delta R.T. -0.01 min

Lab File: BG020664.D

Acq: 5 Jan 2016 20:58

Instrument :

BNA_G

ClientSampleId :

D9N67MSD

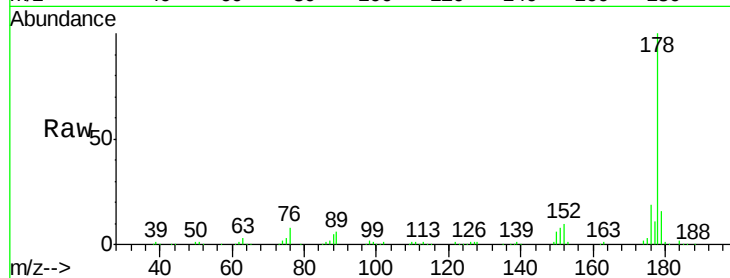
Tgt Ion:178 Resp: 171793

Ion Ratio Lower Upper

178 100

179 16.0 12.3 18.5

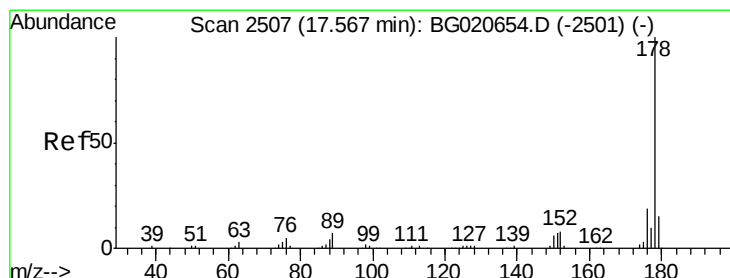
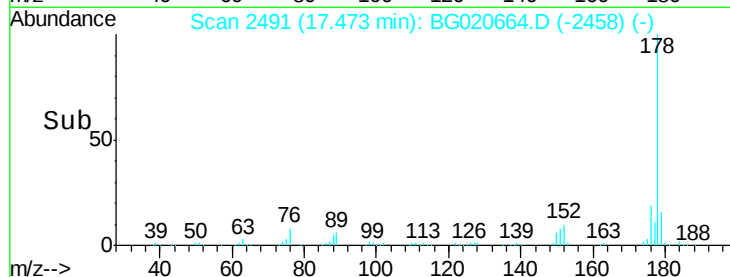
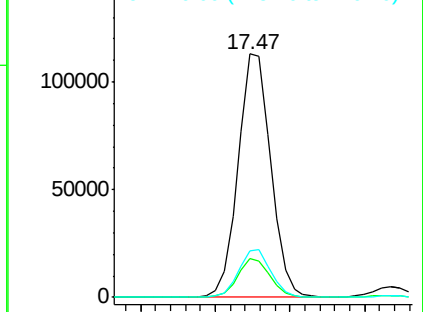
176 19.2 15.4 23.0



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: 1.17 ng/ul

RT: 17.57 min Scan# 2507

Delta R.T. 0.00 min

Lab File: BG020664.D

Acq: 5 Jan 2016 20:58

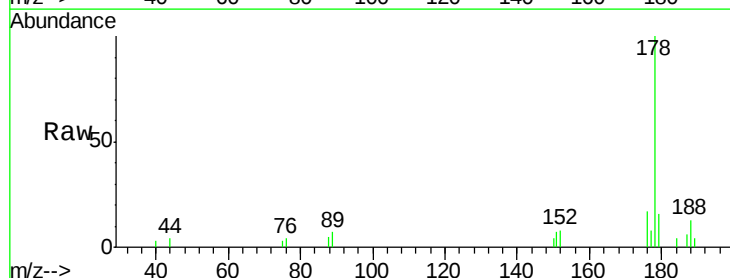
Tgt Ion:178 Resp: 8320

Ion Ratio Lower Upper

178 100

179 16.0 13.4 20.2

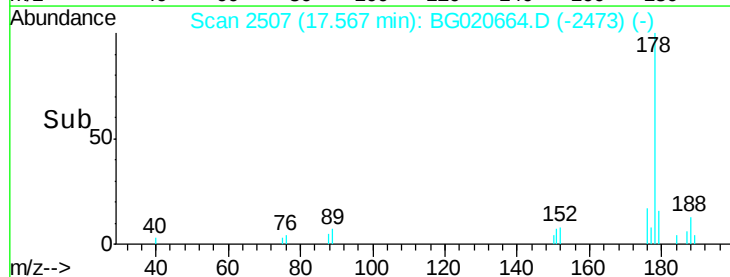
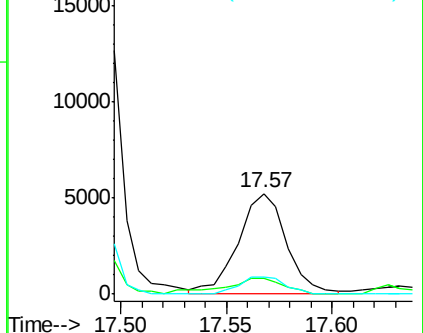
176 17.1 15.4 23.0

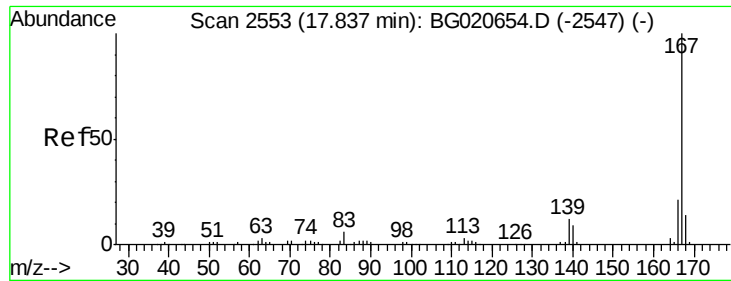


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

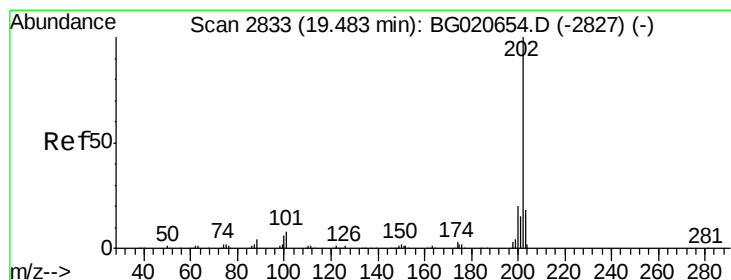
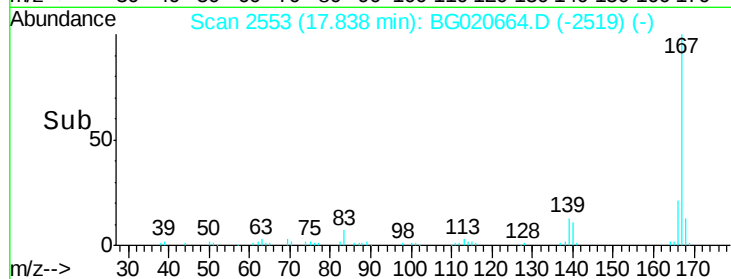
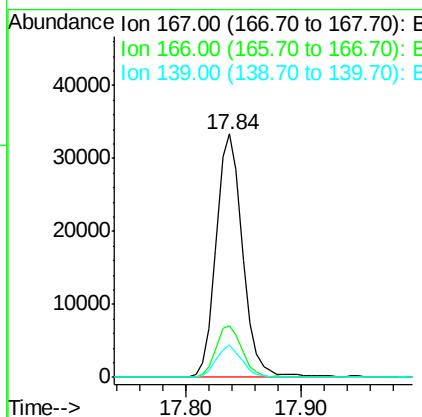
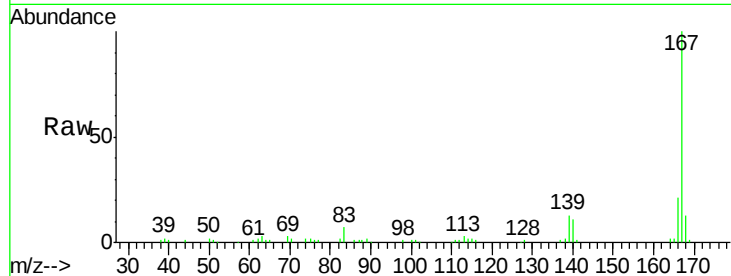




#75
 Carbazole
 Concen: 8.87 ng/ul
 RT: 17.84 min Scan# 2553
 Delta R.T. 0.00 min
 Lab File: BG020664.D
 Acq: 5 Jan 2016 20:58

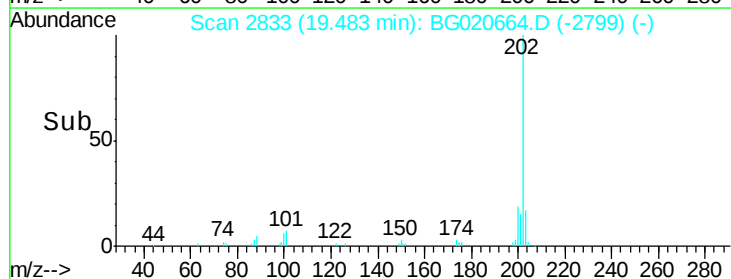
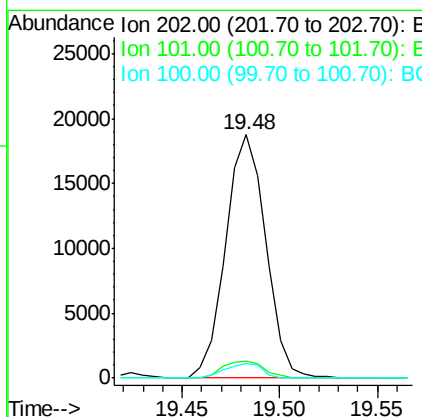
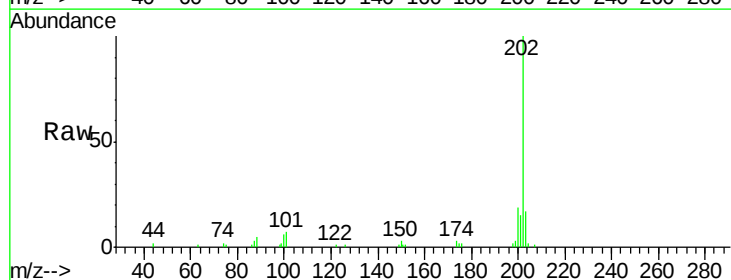
Instrument :
 BNA_G
 ClientSampleId :
 D9N67MSD

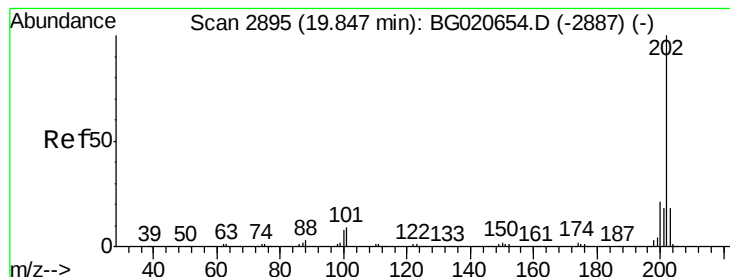
Tgt Ion:167 Resp: 53053
 Ion Ratio Lower Upper
 167 100
 166 21.2 17.0 25.4
 139 13.2 9.1 13.7



#77
 Fluoranthene
 Concen: 3.16 ng/ul
 RT: 19.48 min Scan# 2833
 Delta R.T. 0.00 min
 Lab File: BG020664.D
 Acq: 5 Jan 2016 20:58

Tgt Ion:202 Resp: 26718
 Ion Ratio Lower Upper
 202 100
 101 6.8 6.1 9.1
 100 5.8 4.6 7.0





#80

Pyrene

Concen: 24.04 ng/ul

RT: 19.85 min Scan# 2895

Delta R.T. 0.00 min

Lab File: BG020664.D

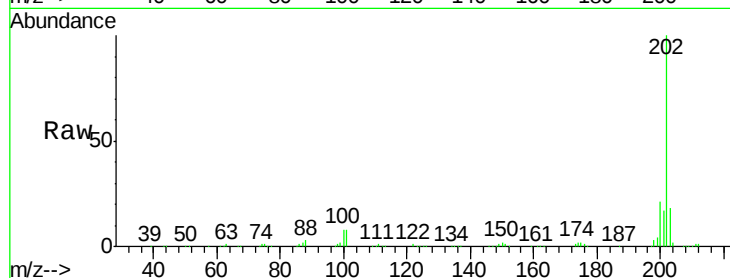
Acq: 5 Jan 2016 20:58

Instrument :

BNA_G

ClientSampleId :

D9N67MSD



Tgt Ion: 202 Resp: 216269

Ion Ratio Lower Upper

202 100

101 8.4 6.9 10.3

100 7.6 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

