

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122615\
 Data File : BG020550.D
 Acq On : 27 Dec 2015 11:21
 Operator : UM/SJ
 Sample : G4846-14
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N60

Quant Time: Dec 28 02:41:52 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	8.07	152	19281	20.00	ng/ul	0.00
18) Naphthalene-d8	10.91	136	79863	20.00	ng/ul	0.01
36) Acenaphthene-d10	14.71	164	56868	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.46	188	145565	20.00	ng/ul	0.00
78) Chrysene-d12	21.73	240	181320	20.00	ng/ul	0.00
86) Perylene-d12	25.00	264	147930	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.45	96	479	1.37	ng/uL	0.00
5) Phenol-d5	7.23	99	12028	7.78	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.40	67	31885	34.78	ng/ul	0.00
9) 2-Chlorophenol-d4	7.60	132	33917	28.58	ng/ul	0.00
13) 4-Methylphenol-d8	8.78	113	23917	18.37	ng/ul	0.00
19) Nitrobenzene-d5	9.25	128	22569	36.05	ng/ul	0.00
22) 2-Nitrophenol-d4	9.97	143	26692	37.50	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.52	165	45128	32.76	ng/ul	0.00
29) 4-Chloroaniline-d4	11.04	131	570	0.36	ng/ul	0.01
44) Dimethylphthalate-d6	14.11	166	166459	35.51	ng/ul	0.00
47) Acenaphthylene-d8	14.41	160	196021	36.10	ng/ul	0.00
52) 4-Nitrophenol-d4	14.92	143	5346	6.84	ng/ul	0.00
58) Fluorene-d10	15.71	176	157827	37.23	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.84	200	23707	24.57	ng/ul	0.00
71) Anthracene-d10	17.56	188	256201	37.58	ng/ul	0.00
79) Pyrene-d10	19.84	212	306391	39.03	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.78	264	329325	44.04	ng/ul	0.00

Target Compounds

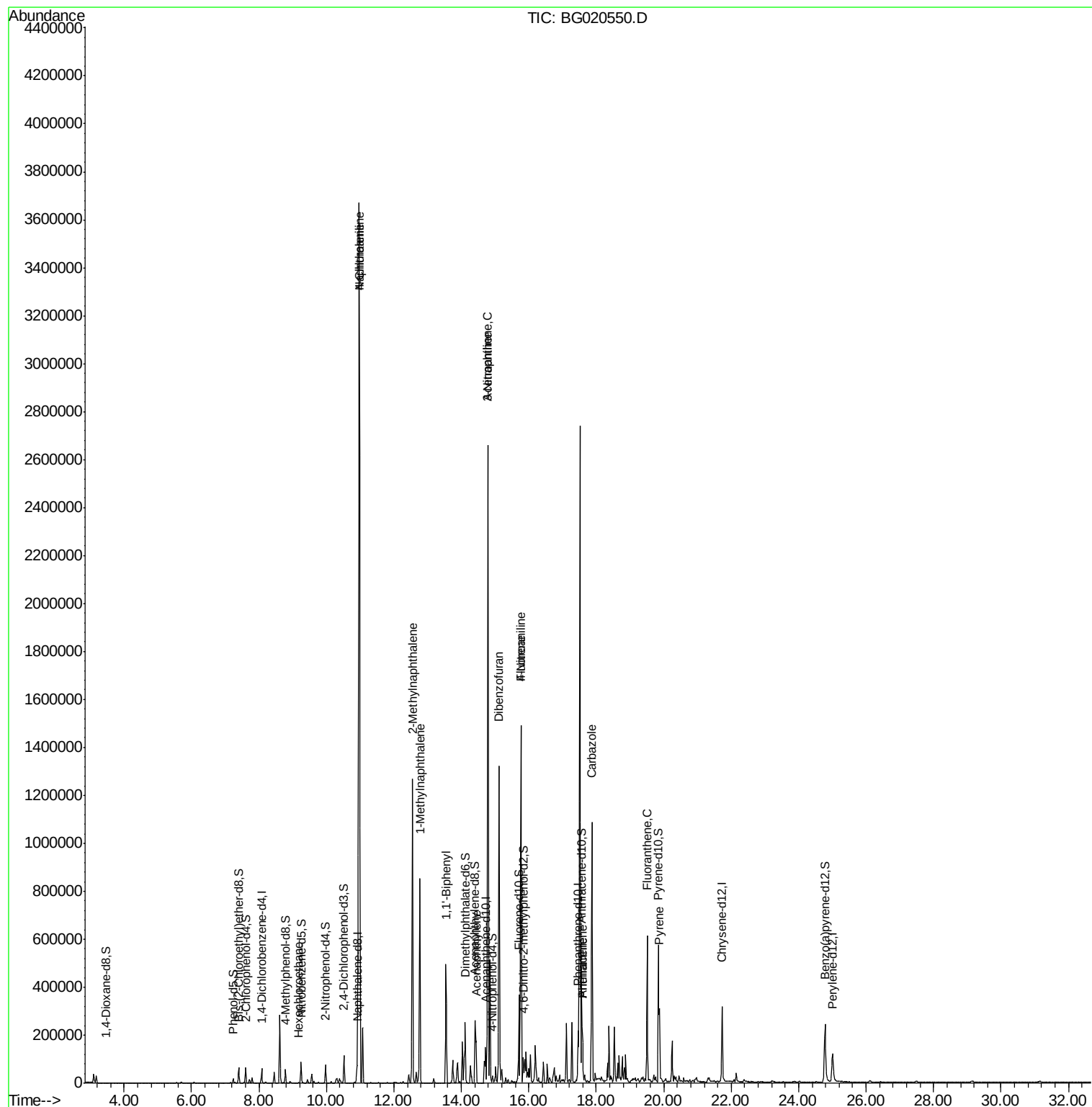
						Qvalue
17) Hexachloroethane	9.18	117	606	1.16	ng/ul#	1
28) Naphthalene	10.98	128	3554878	837.34	ng/ul#	78
30) 4-Chloroaniline	10.98	127	653850	412.11	ng/ul#	10
34) 2-Methylnaphthalene	12.55	142	610235	194.26	ng/ul	99
35) 1-Methylnaphthalene	12.77	142	397250	133.12	ng/ul	98
41) 1,1'-Biphenyl	13.54	154	269150	61.33	ng/ul	97
48) Acenaphthylene	14.44	152	93133	16.32	ng/ul#	97
49) 3-Nitroaniline	14.79	138	1191	1.33	ng/ul#	1
50) Acenaphthene	14.79	153	1195229	309.72	ng/ul	95
54) Dibenzofuran	15.12	168	866568	150.93	ng/ul	98
59) Fluorene	15.76	166	730431	156.99	ng/ul	98
61) 4-Nitroaniline	15.76	138	9125	9.08	ng/ul#	13
70) Phenanthrene	17.60	178	109645	13.54	ng/ul	99
72) Anthracene	17.60	178	111020	13.40	ng/ul	99
75) Carbazole	17.87	167	772254	110.65	ng/ul	97
77) Fluoranthene	19.51	202	419093	41.15	ng/ul	99
80) Pyrene	19.87	202	249345	24.32	ng/ul	98

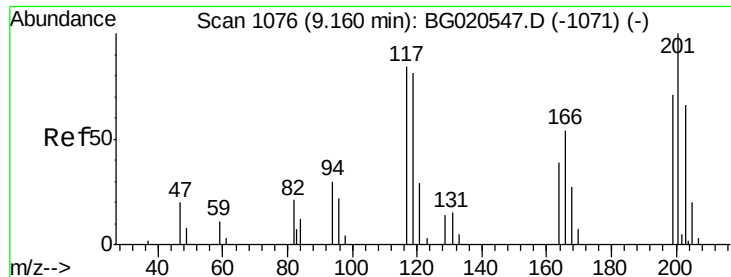
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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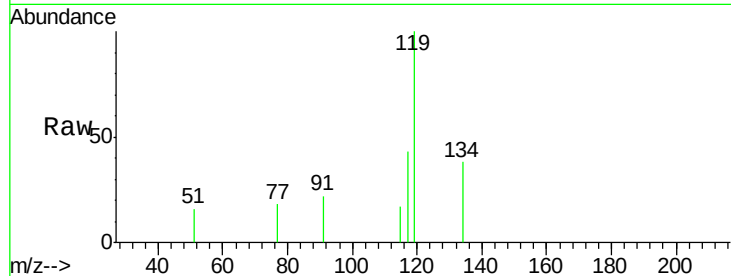




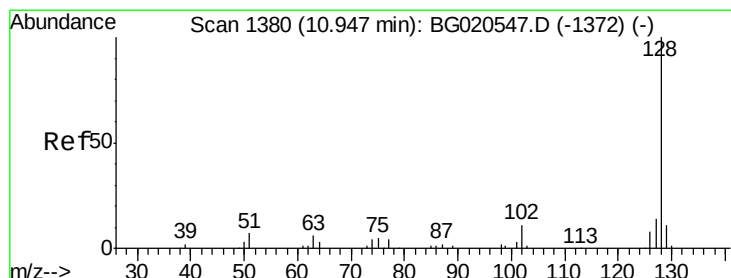
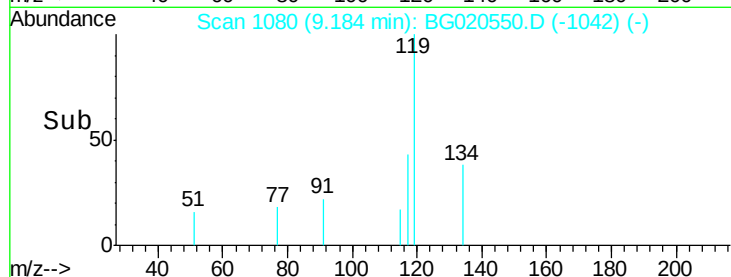
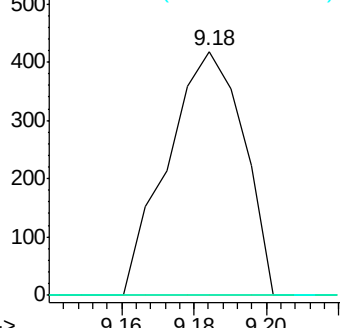
#17
Hexachloroethane
Concen: 1.16 ng/ul
RT: 9.18 min Scan# 1080
Delta R.T. 0.02 min
Lab File: BG020550.D
Acq: 27 Dec 2015 11:21

Instrument :
BNA_G
ClientSampled :
D9N60

Tgt Ion:117 Resp: 606
Ion Ratio Lower Upper
117 100
201 0.0 102.7 154.1#
199 0.0 65.8 98.8#

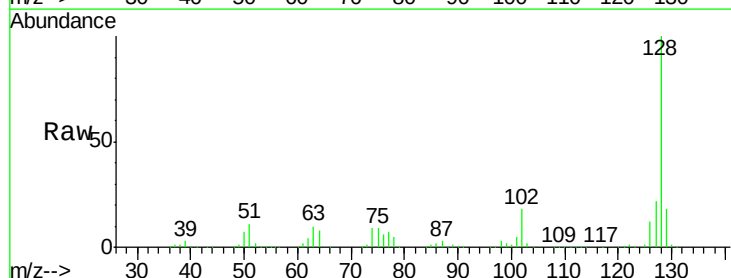


Abundance Ion 117.00 (116.70 to 117.70): E
Ion 201.00 (200.70 to 201.70): E
Ion 199.00 (198.70 to 199.70): E

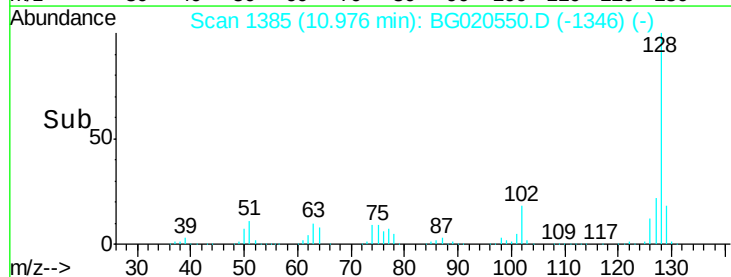
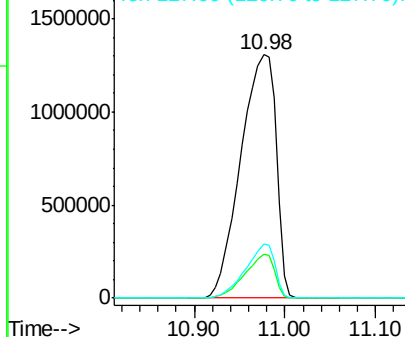


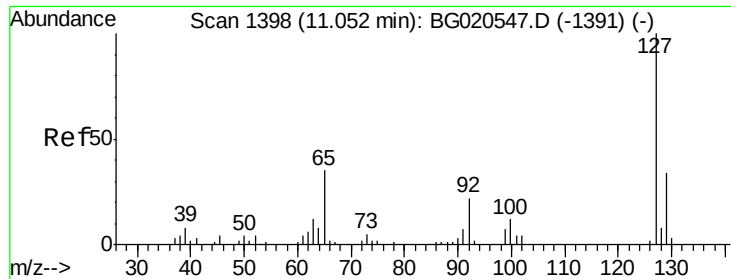
#28
Naphthalene
Concen: 837.34 ng/ul
RT: 10.98 min Scan# 1385
Delta R.T. 0.03 min
Lab File: BG020550.D
Acq: 27 Dec 2015 11:21

Tgt Ion:128 Resp: 3554878
Ion Ratio Lower Upper
128 100
129 18.1 8.6 12.8#
127 22.0 10.1 15.1#



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

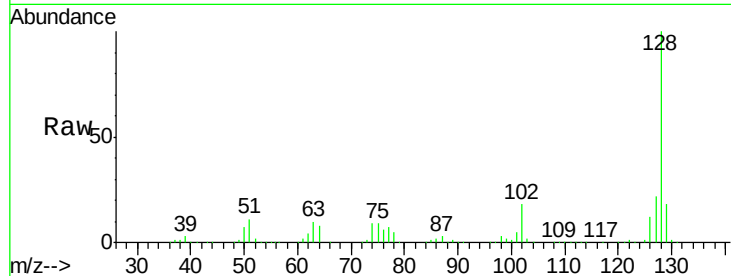




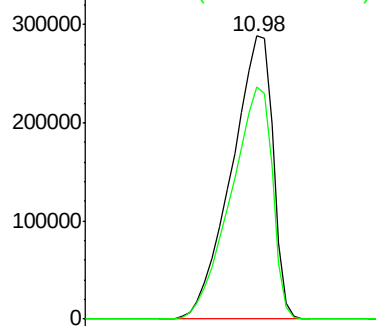
#30
 4-Chloroaniline
 Concen: 412.11 ng/ul
 RT: 10.98 min Scan# 1385
 Delta R.T. -0.08 min
 Lab File: BG020550.D
 Acq: 27 Dec 2015 11:21

Instrument :
 BNA_G
 ClientSampleId :
 D9N60

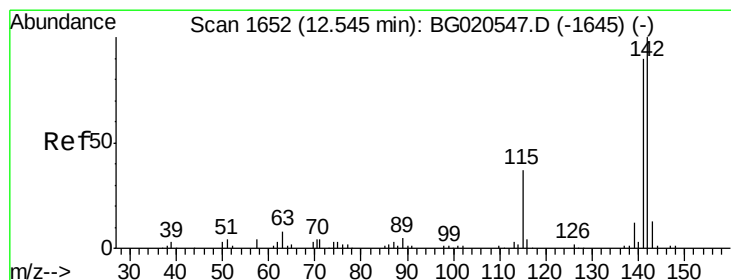
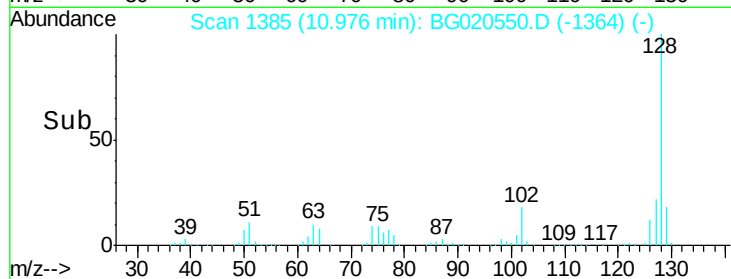
Tgt Ion:127 Resp: 653850
 Ion Ratio Lower Upper
 127 100
 129 82.1 25.7 38.5#



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

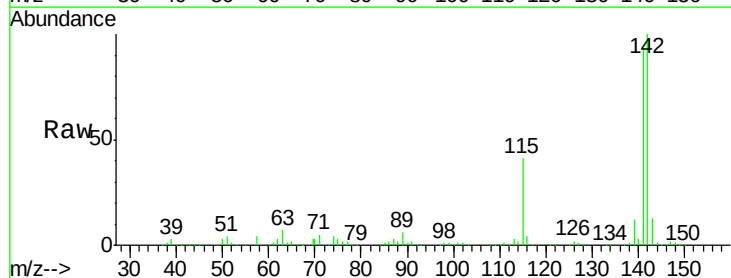


Time-->

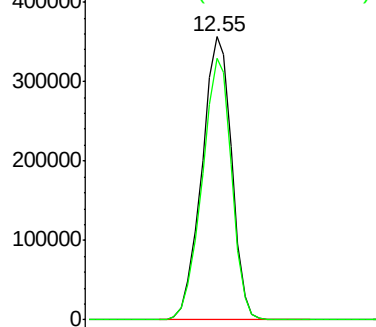


#34
 2-Methylnaphthalene
 Concen: 194.26 ng/ul
 RT: 12.55 min Scan# 1653
 Delta R.T. 0.01 min
 Lab File: BG020550.D
 Acq: 27 Dec 2015 11:21

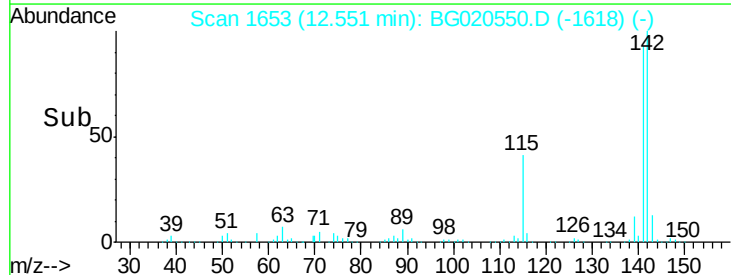
Tgt Ion:142 Resp: 610235
 Ion Ratio Lower Upper
 142 100
 141 92.5 74.9 112.3

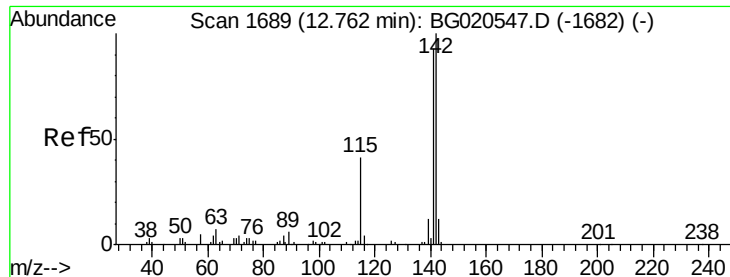


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E



Time-->

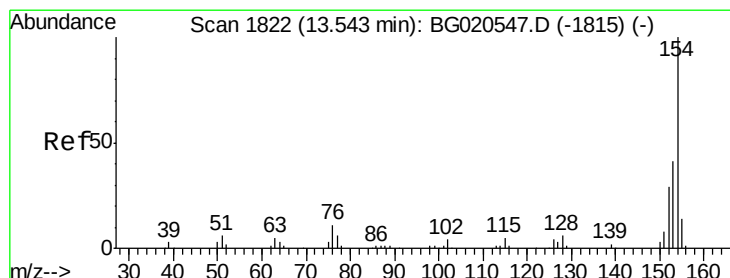
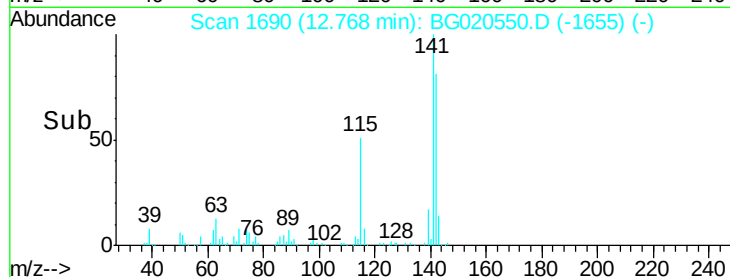
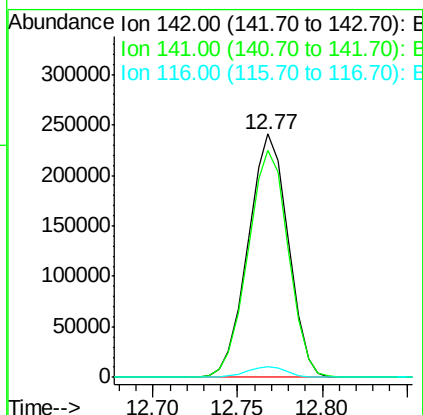
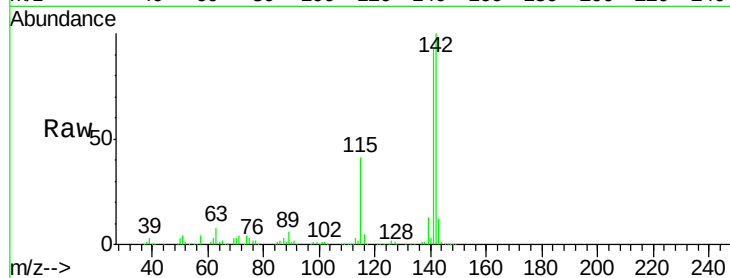




#35
 1-Methylnaphthalene
 Concen: 133.12 ng/ul
 RT: 12.77 min Scan# 1690
 Delta R.T. 0.01 min
 Lab File: BG020550.D
 Acq: 27 Dec 2015 11:21

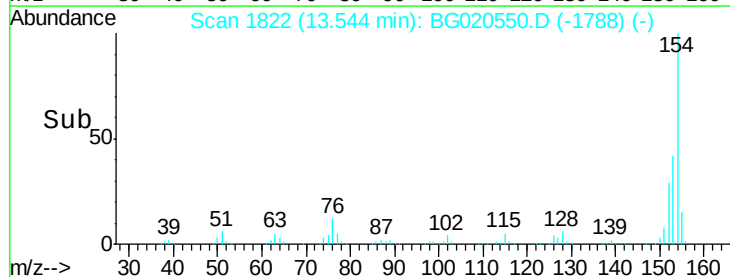
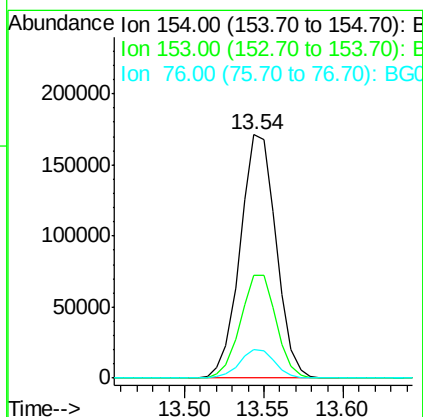
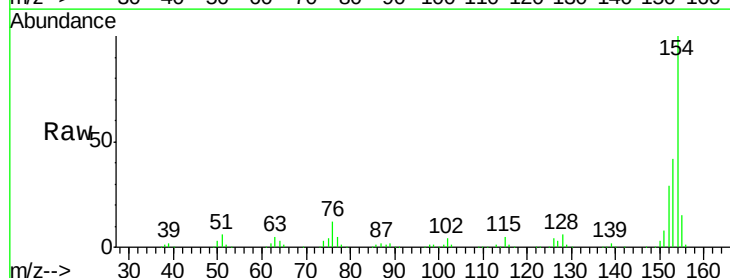
Instrument :
 BNA_G
 ClientSampleId :
 D9N60

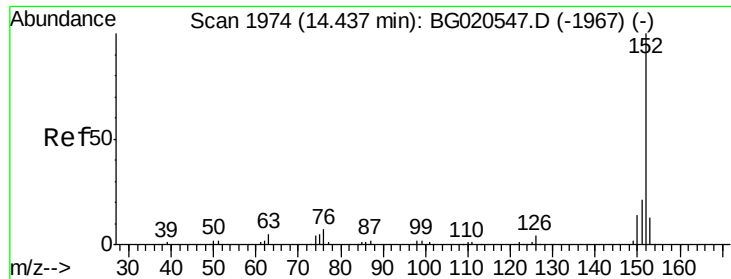
Tgt Ion:142 Resp: 397250
 Ion Ratio Lower Upper
 142 100
 141 93.5 73.0 109.6
 116 4.5 3.0 4.6



#41
 1,1'-Biphenyl
 Concen: 61.33 ng/ul
 RT: 13.54 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: BG020550.D
 Acq: 27 Dec 2015 11:21

Tgt Ion:154 Resp: 269150
 Ion Ratio Lower Upper
 154 100
 153 42.3 35.5 53.3
 76 11.5 10.4 15.6





#48

Acenaphthylene

Concen: 16.32 ng/ul

RT: 14.44 min Scan# 1974

Delta R.T. 0.00 min

Lab File: BG020550.D

Acq: 27 Dec 2015 11:21

Instrument :

BNA_G

ClientSampleId :

D9N60

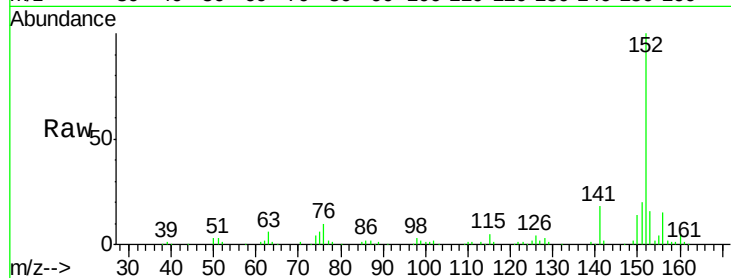
Tgt Ion:152 Resp: 93133

Ion Ratio Lower Upper

152 100

151 20.3 16.4 24.6

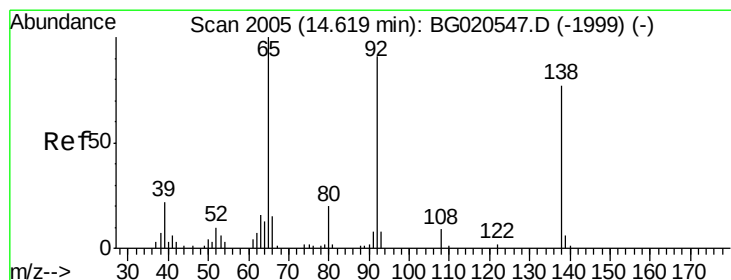
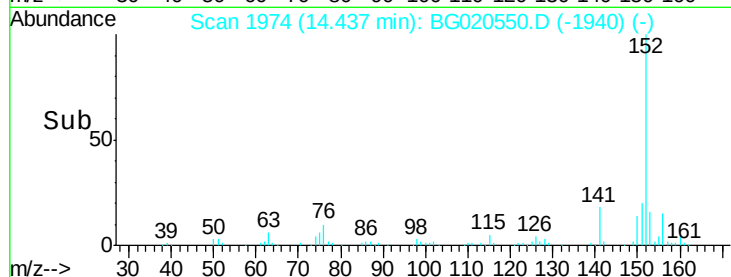
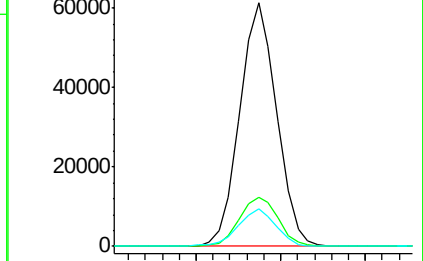
153 15.6 10.4 15.6#



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



#49

3-Nitroaniline

Concen: 1.33 ng/ul

RT: 14.79 min Scan# 2034

Delta R.T. 0.17 min

Lab File: BG020550.D

Acq: 27 Dec 2015 11:21

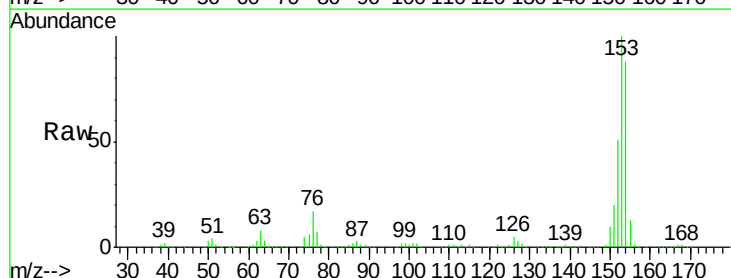
Tgt Ion:138 Resp: 1191

Ion Ratio Lower Upper

138 100

108 19.5 9.1 13.7#

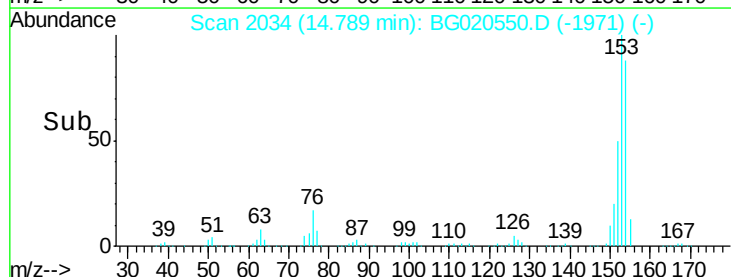
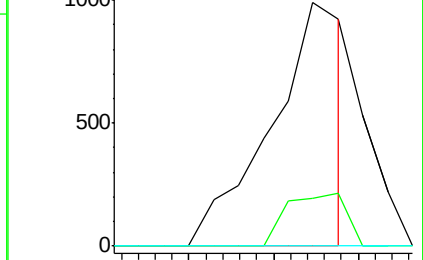
92 0.0 103.2 154.8#

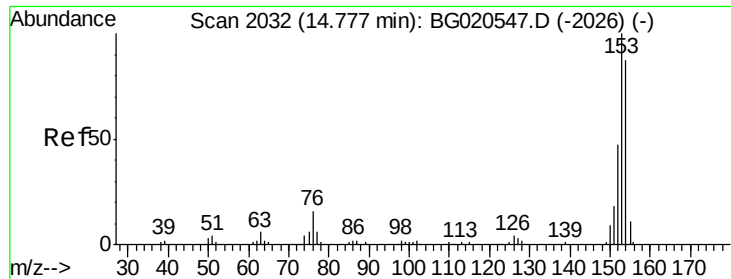


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BGC





#50

Acenaphthene

Concen: 309.72 ng/ul

RT: 14.79 min Scan# 2034

Delta R.T. 0.01 min

Lab File: BG020550.D

Acq: 27 Dec 2015 11:21

Instrument :

BNA_G

ClientSampleId :

D9N60

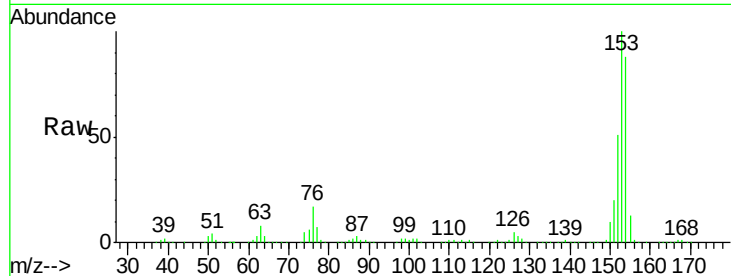
Tgt Ion:153 Resp: 1195229

Ion Ratio Lower Upper

153 100

152 51.4 37.6 56.4

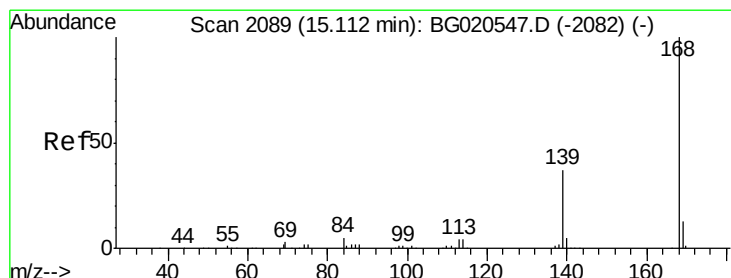
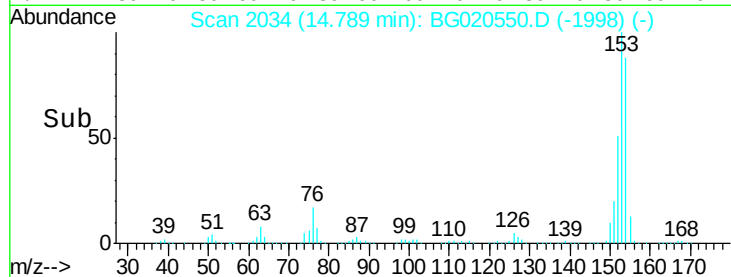
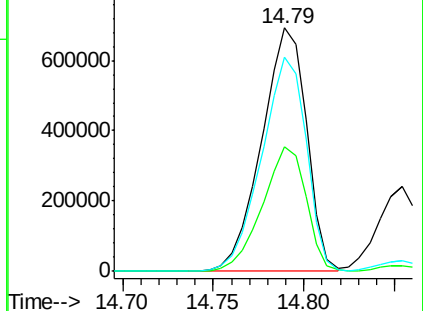
154 88.1 67.9 101.9



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



#54

Dibenzofuran

Concen: 150.93 ng/ul

RT: 15.12 min Scan# 2090

Delta R.T. 0.01 min

Lab File: BG020550.D

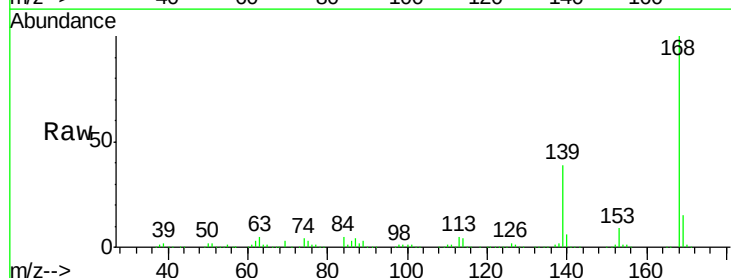
Acq: 27 Dec 2015 11:21

Tgt Ion:168 Resp: 866568

Ion Ratio Lower Upper

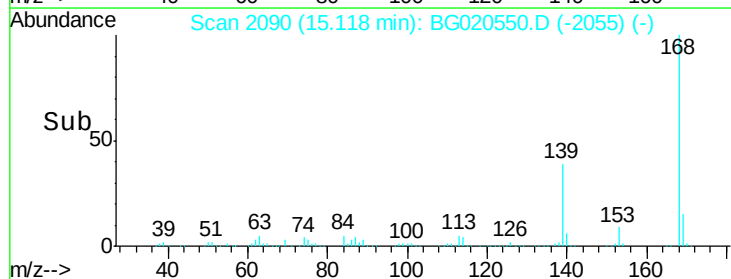
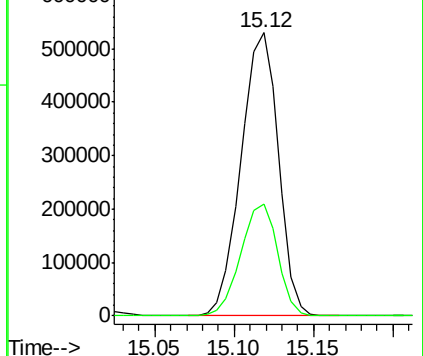
168 100

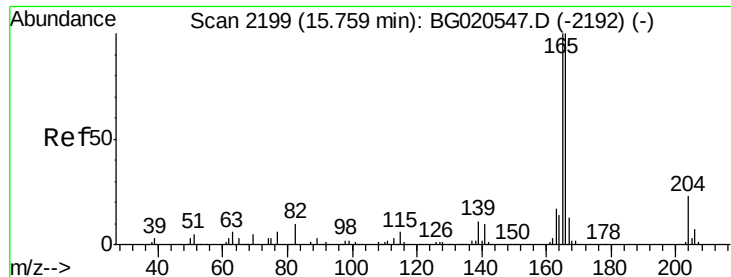
139 39.4 30.5 45.7



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

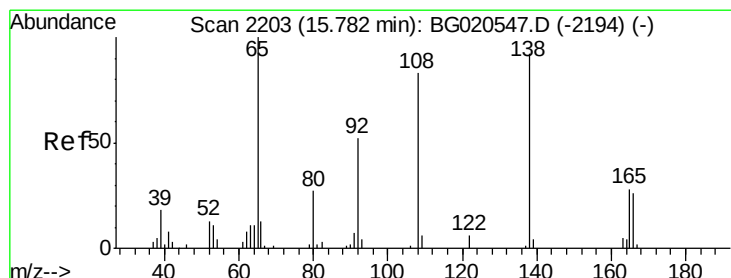
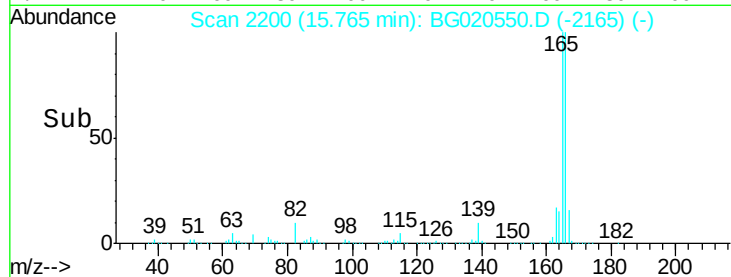
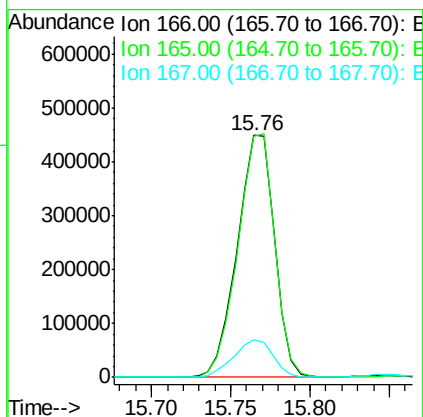
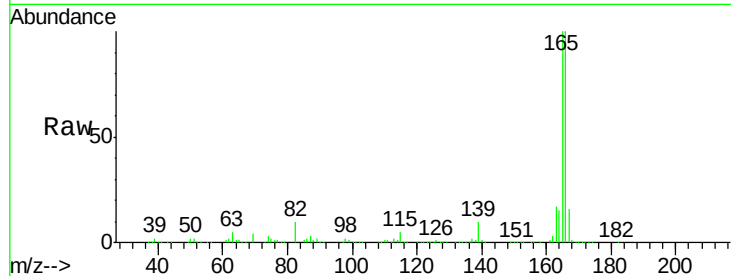




#59
 Fluorene
 Concen: 156.99 ng/ul
 RT: 15.76 min Scan# 2200
 Delta R.T. 0.01 min
 Lab File: BG020550.D
 Acq: 27 Dec 2015 11:21

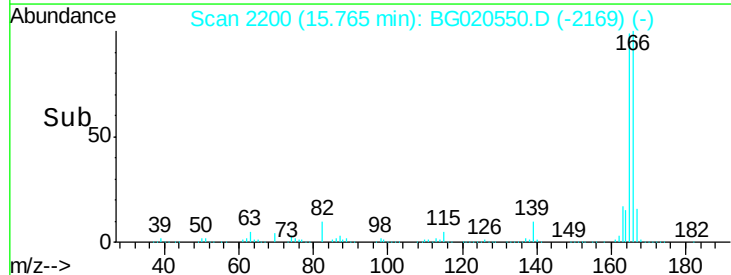
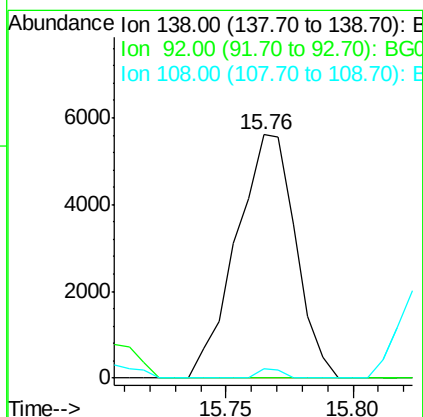
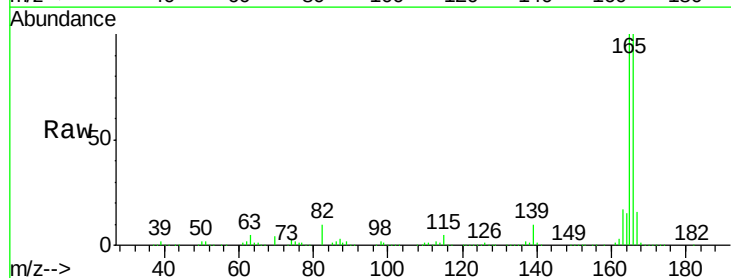
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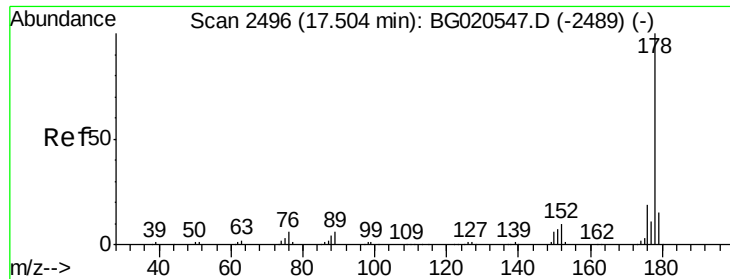
Tgt Ion:166 Resp: 730431
 Ion Ratio Lower Upper
 166 100
 165 99.6 81.4 122.0
 167 15.6 11.2 16.8



#61
 4-Nitroaniline
 Concen: 9.08 ng/ul
 RT: 15.76 min Scan# 2200
 Delta R.T. -0.02 min
 Lab File: BG020550.D
 Acq: 27 Dec 2015 11:21

Tgt Ion:138 Resp: 9125
 Ion Ratio Lower Upper
 138 100
 92 0.0 45.2 67.8#
 108 4.0 75.4 113.0#

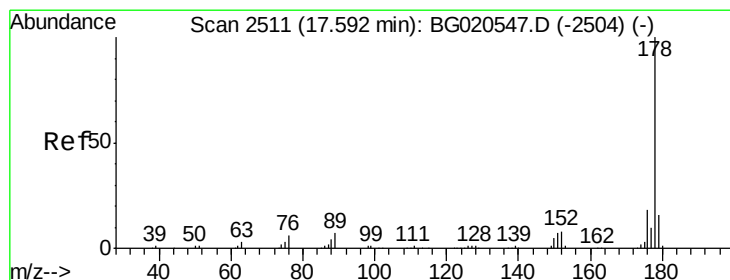
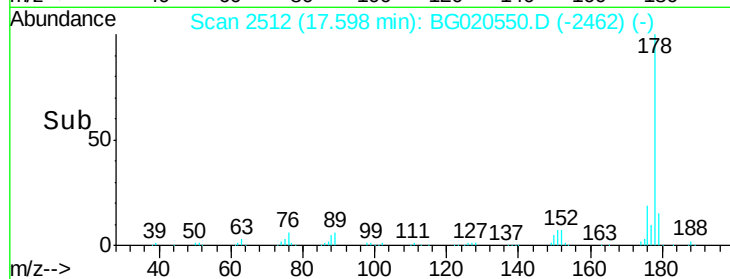
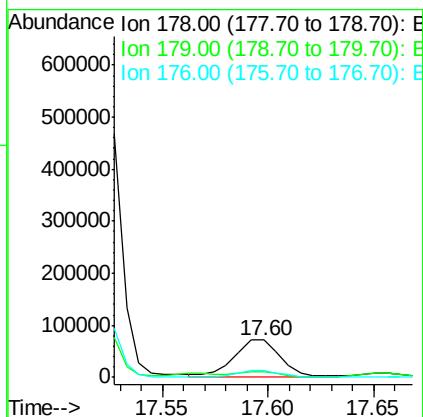
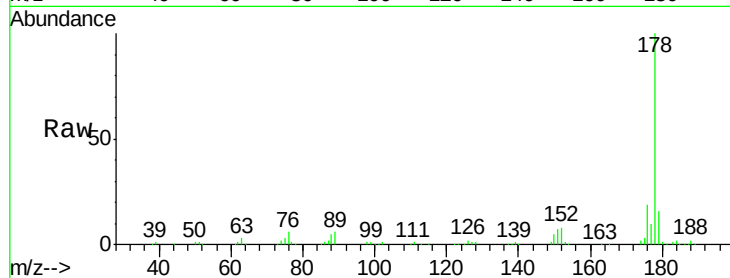




#70
 Phenanthrene
 Concen: 13.54 ng/ul
 RT: 17.60 min Scan# 2512
 Delta R.T. 0.09 min
 Lab File: BG020550.D
 Acq: 27 Dec 2015 11:21

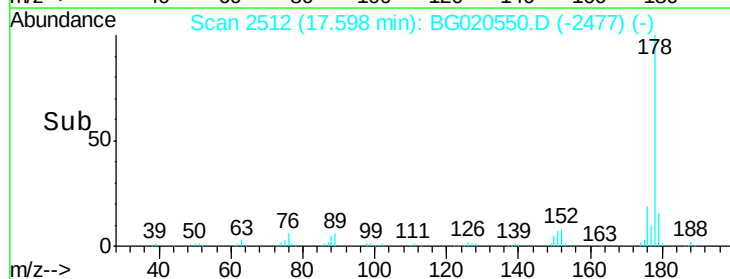
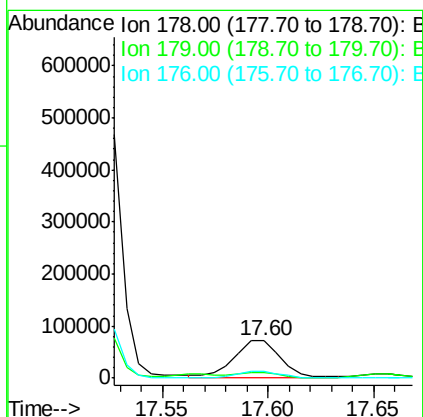
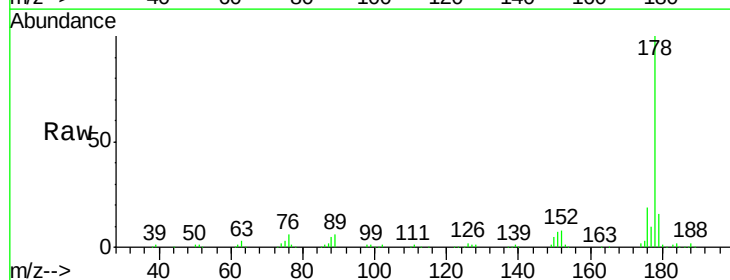
Instrument :
 BNA_G
 ClientSampleId :
 D9N60

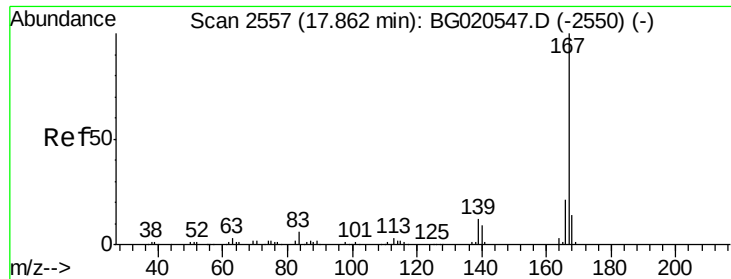
Tgt Ion:178 Resp: 109645
 Ion Ratio Lower Upper
 178 100
 179 15.6 12.9 19.3
 176 18.5 15.3 22.9



#72
 Anthracene
 Concen: 13.40 ng/ul
 RT: 17.60 min Scan# 2512
 Delta R.T. 0.01 min
 Lab File: BG020550.D
 Acq: 27 Dec 2015 11:21

Tgt Ion:178 Resp: 111020
 Ion Ratio Lower Upper
 178 100
 179 15.6 12.3 18.5
 176 18.5 14.3 21.5





#75

Carbazole

Concen: 110.65 ng/ul

RT: 17.87 min Scan# 2558

Delta R.T. 0.01 min

Lab File: BG020550.D

Acq: 27 Dec 2015 11:21

Instrument :

BNA_G

ClientSampleId :

D9N60

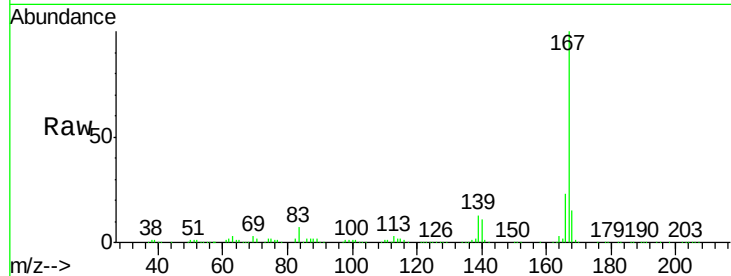
Tgt Ion:167 Resp: 772254

Ion Ratio Lower Upper

167 100

166 23.1 17.0 25.6

139 13.3 10.1 15.1

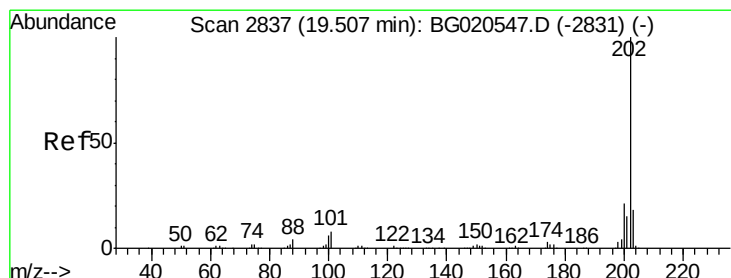
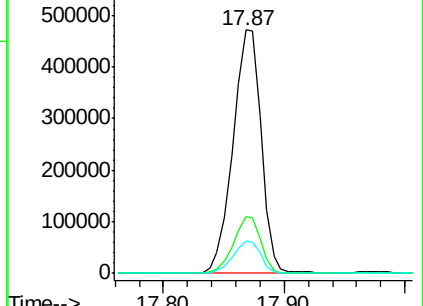
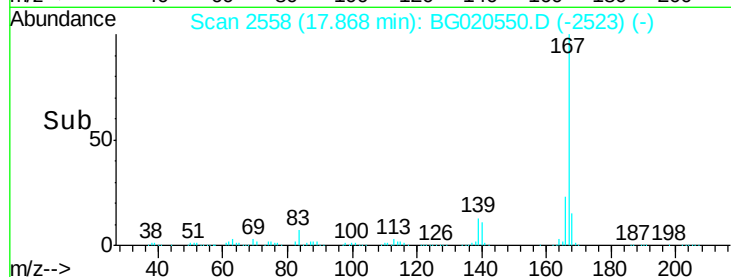


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

17.87



#77

Fluoranthene

Concen: 41.15 ng/ul

RT: 19.51 min Scan# 2837

Delta R.T. 0.00 min

Lab File: BG020550.D

Acq: 27 Dec 2015 11:21

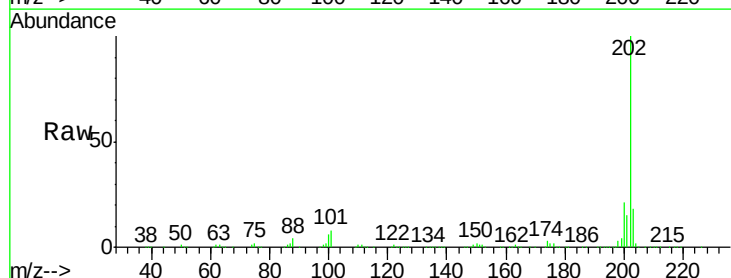
Tgt Ion:202 Resp: 419093

Ion Ratio Lower Upper

202 100

101 7.6 6.2 9.4

100 6.2 5.1 7.7

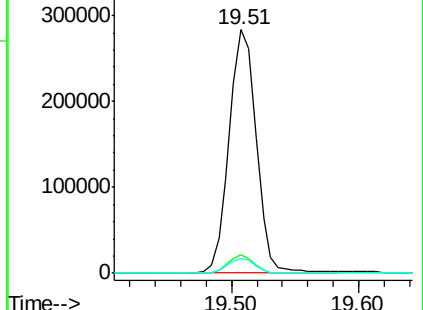
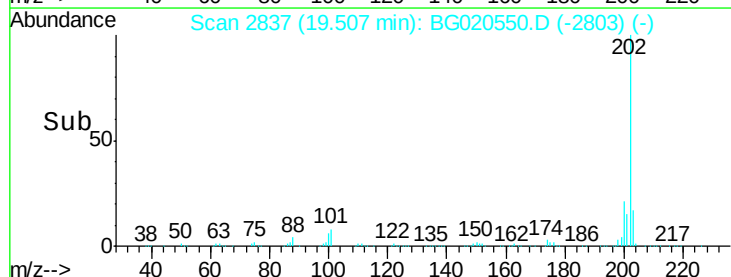


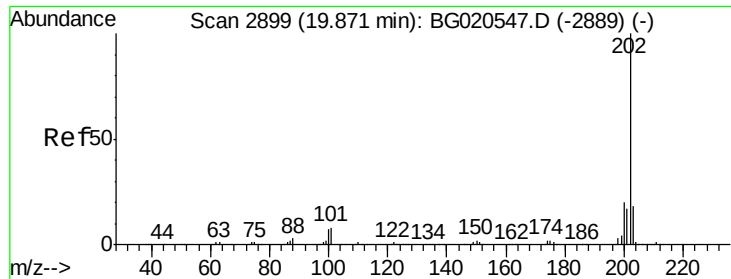
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

19.51





#80

Pyrene

Concen: 24.32 ng/ul

RT: 19.87 min Scan# 2899

Delta R.T. 0.00 min

Lab File: BG020550.D

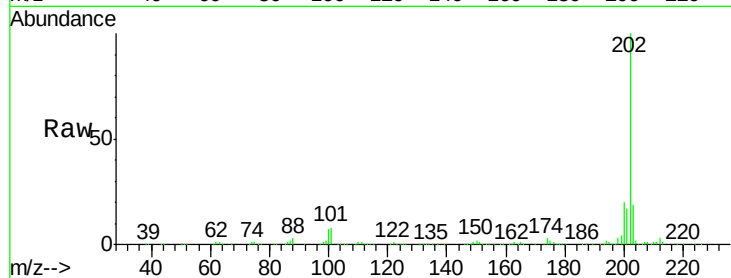
Acq: 27 Dec 2015 11:21

Instrument :

BNA_G

ClientSampleId :

D9N60



Tgt Ion: 202 Resp: 249345

Ion Ratio Lower Upper

202 100

101 8.0 7.0 10.4

100 7.2 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

