

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122115\
 Data File : BG020386.D
 Acq On : 21 Dec 2015 21:03
 Operator : UM/SJ
 Sample : G4768-11DL 100X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N35DL

Quant Time: Dec 22 07:42:27 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG121415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Dec 22 02:00:19 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.09	152	18366	20.00	ng/ul	0.00
18) Naphthalene-d8	10.91	136	82562	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.72	164	53051	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.46	188	125270	20.00	ng/ul	0.00
78) Chrysene-d12	21.74	240	150839	20.00	ng/ul	0.00
86) Perylene-d12	25.01	264	113322	20.00	ng/ul	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	0.00	99	0d	0.00	ng/ul	
7) Bis-(2-Chloroethyl)ether-d	7.42	67	175m	0.18	ng/ul	0.00
9) 2-Chlorophenol-d4	7.62	132	120	0.10	ng/ul	-0.01
13) 4-Methylphenol-d8	0.00	113	0	0.00	ng/ul	
19) Nitrobenzene-d5	9.26	128	55m	0.09	ng/ul	0.00
22) 2-Nitrophenol-d4	0.00	143	0	0.00	ng/ul	
26) 2,4-Dichlorophenol-d3	0.00	165	0d	0.00	ng/ul	
29) 4-Chloroaniline-d4	0.00	131	0	0.00	ng/ul	
44) Dimethylphthalate-d6	14.12	166	1483	0.35	ng/ul	0.00
47) Acenaphthylene-d8	14.42	160	2000	0.40	ng/ul	0.00
52) 4-Nitrophenol-d4	0.00	143	0	0.00	ng/ul	
58) Fluorene-d10	15.71	176	1886	0.48	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	0.00	200	0	0.00	ng/ul	
71) Anthracene-d10	17.56	188	4336m	0.75	ng/ul	-0.01
79) Pyrene-d10	19.84	212	2862	0.41	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.79	264	2352m	0.42	ng/ul	-0.01

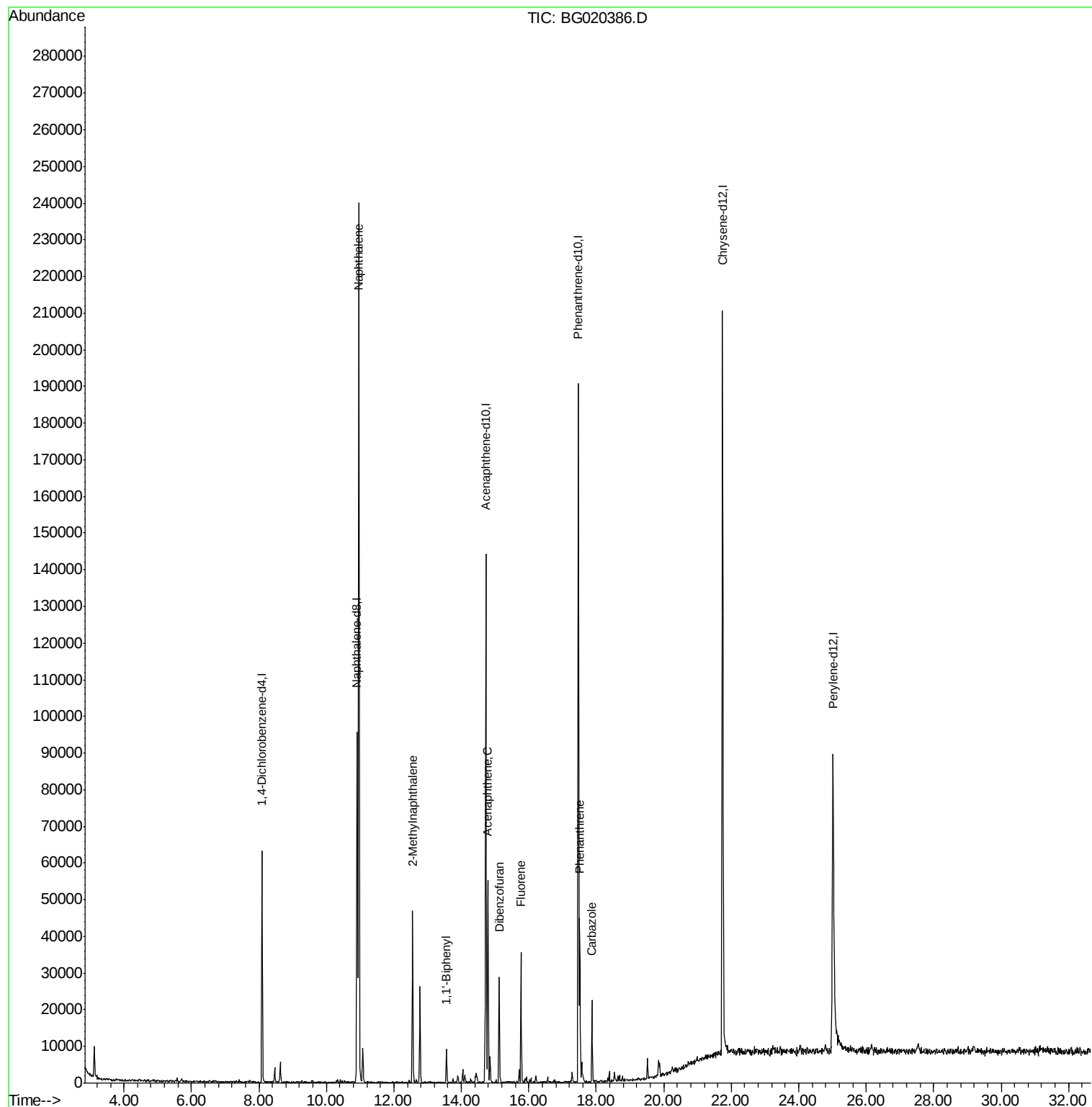
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
28) Naphthalene	10.96	128	207708	48.18	ng/ul	97
34) 2-Methylnaphthalene	12.56	142	22465	6.82	ng/ul	94
41) 1,1'-Biphenyl	13.56	154	5855	1.46	ng/ul	93
50) Acenaphthene	14.79	153	24420	6.84	ng/ul	97
54) Dibenzofuran	15.12	168	20645	3.89	ng/ul	96
59) Fluorene	15.77	166	16208	3.80	ng/ul	100
70) Phenanthrene	17.51	178	30689	4.48	ng/ul	99
75) Carbazole	17.87	167	17675	3.03	ng/ul	97

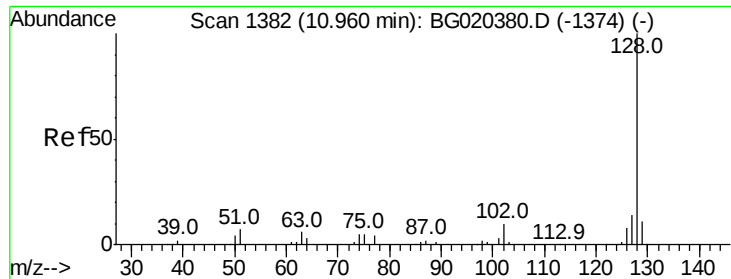
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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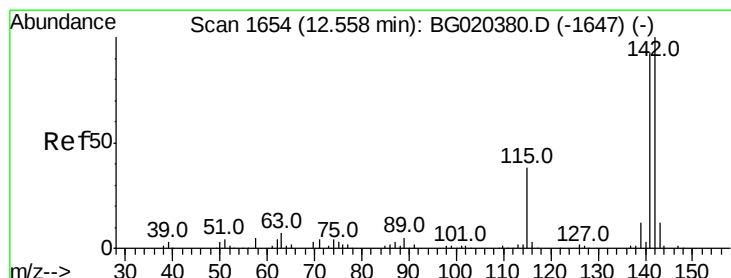
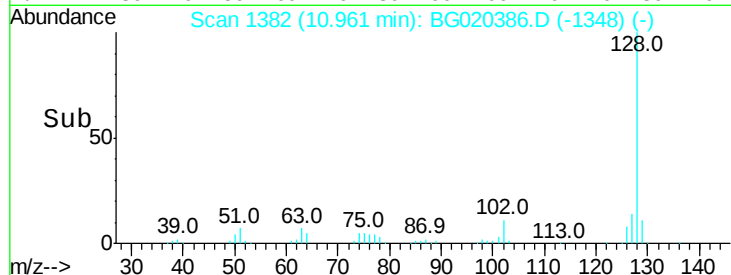
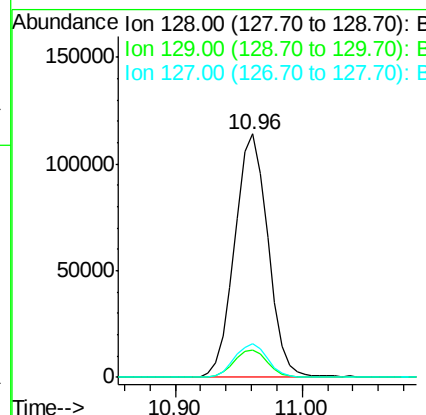
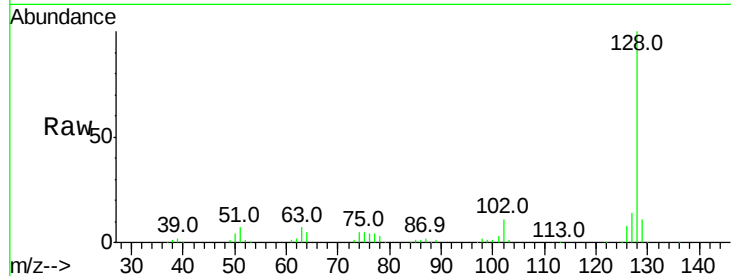




#28
Naphthalene
Concen: 48.18 ng/ul
RT: 10.96 min Scan# 1382
Delta R.T. 0.00 min
Lab File: BG020386.D
Acq: 21 Dec 2015 21:03

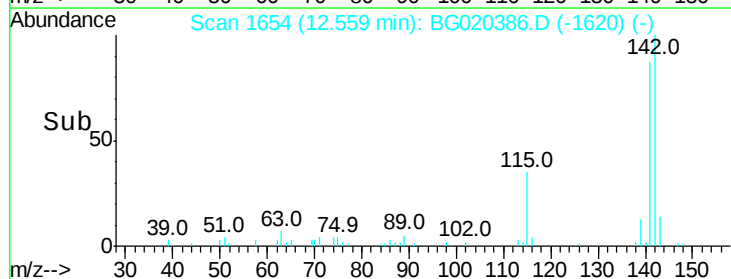
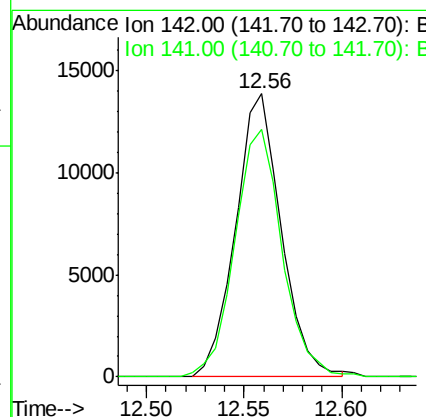
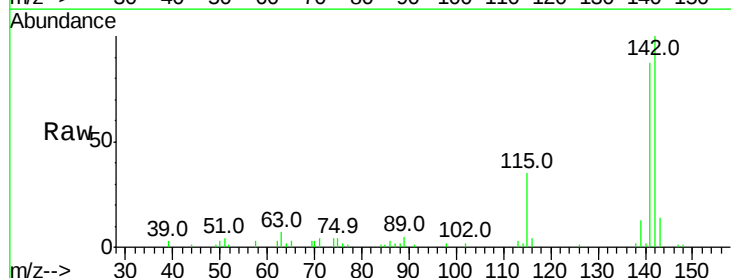
Instrument :
BNA_G
ClientSampleId :
D9N35DL

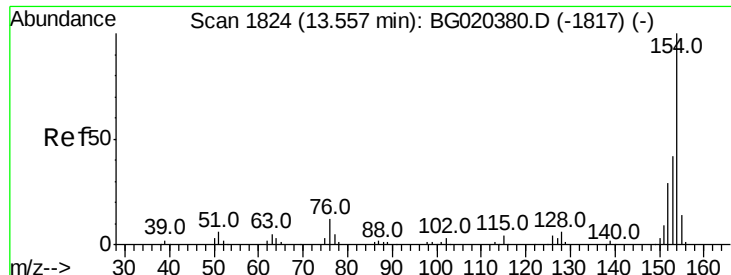
Tot Ion:128 Resp: 207708
Ion Ratio Lower Upper
128 100
129 11.4 8.6 12.8
127 14.1 10.1 15.1



#34
2-Methylnaphthalene
Concen: 6.82 ng/ul
RT: 12.56 min Scan# 1654
Delta R.T. 0.00 min
Lab File: BG020386.D
Acq: 21 Dec 2015 21:03

Tgt Ion:142 Resp: 22465
Ion Ratio Lower Upper
142 100
141 87.5 74.9 112.3

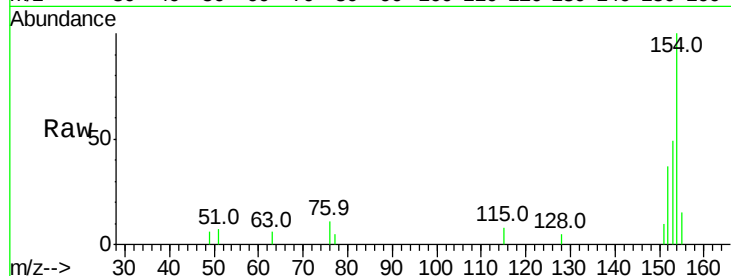




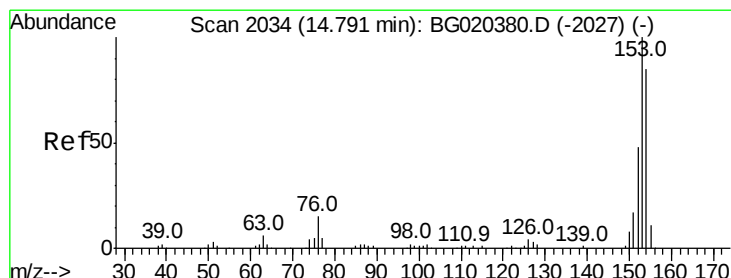
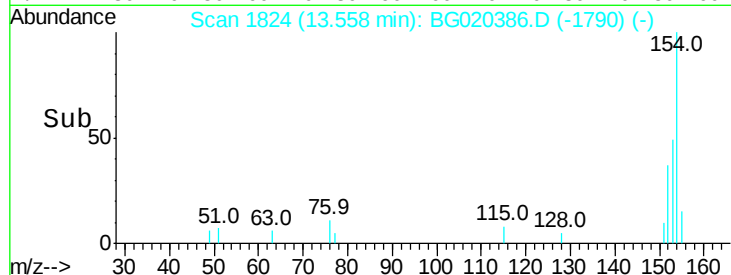
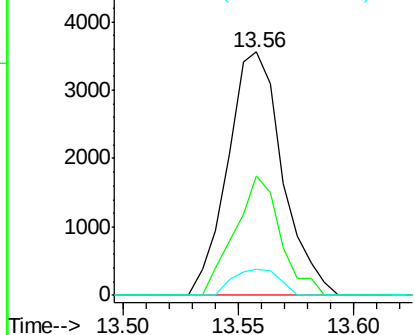
#41
 1,1'-Biphenyl
 Concen: 1.46 ng/ul
 RT: 13.56 min Scan# 1824
 Delta R.T. 0.00 min
 Lab File: BG020386.D
 Acq: 21 Dec 2015 21:03

Instrument :
 BNA_G
 ClientSampled :
 D9N35DL

Tot Ion:154 Resp: 5855
 Ion Ratio Lower Upper
 154 100
 153 49.2 35.5 53.3
 76 10.7 10.4 15.6

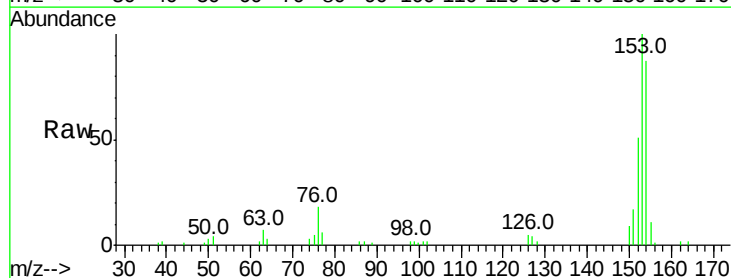


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BGC

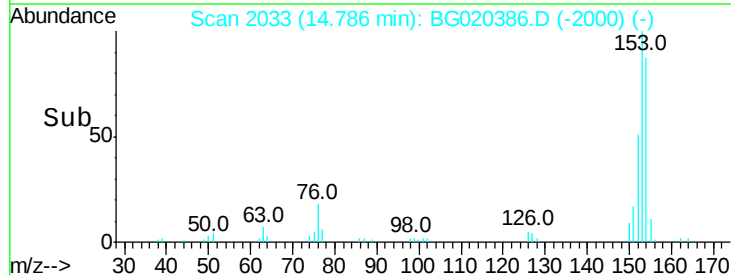
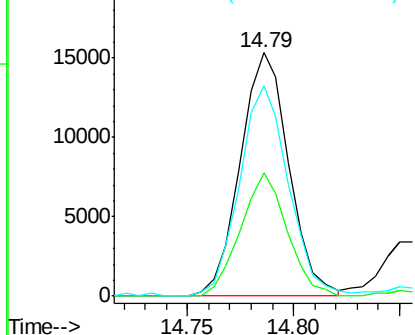


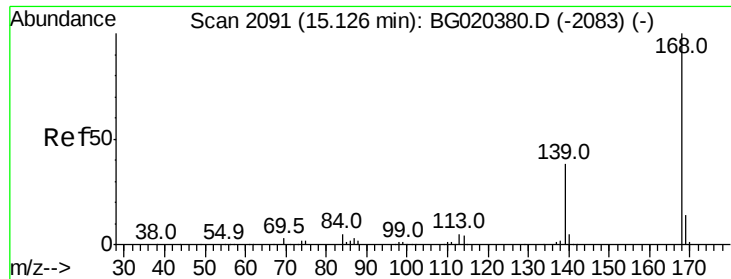
#50
 Acenaphthene
 Concen: 6.84 ng/ul
 RT: 14.79 min Scan# 2033
 Delta R.T. -0.00 min
 Lab File: BG020386.D
 Acq: 21 Dec 2015 21:03

Tgt Ion:153 Resp: 24420
 Ion Ratio Lower Upper
 153 100
 152 50.7 37.6 56.4
 154 86.5 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

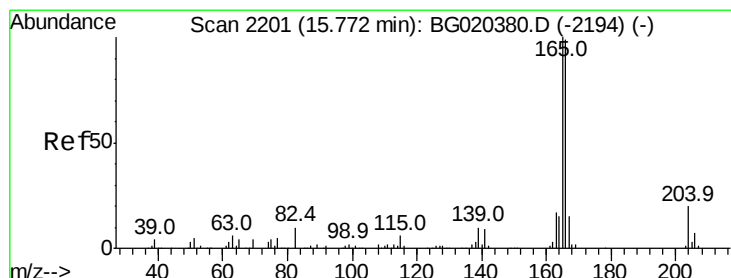
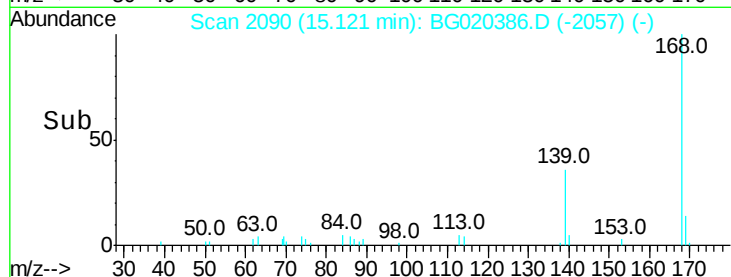
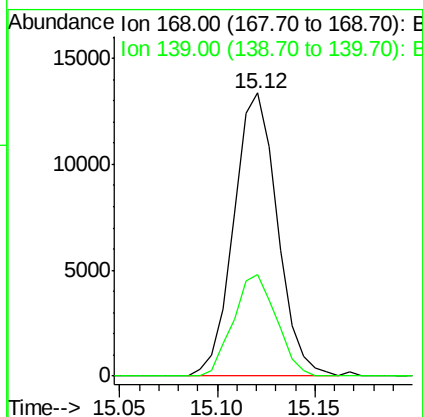
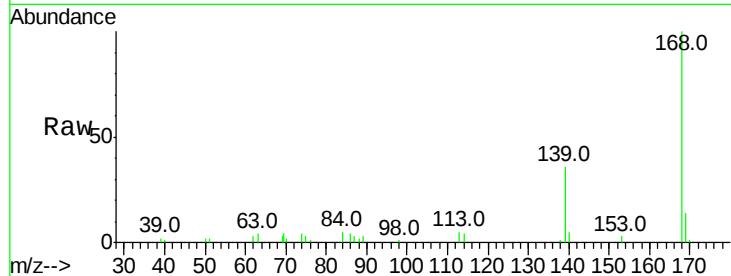




#54
Dibenzenofuran
Concen: 3.89 ng/ul
RT: 15.12 min Scan# 2090
Delta R.T. -0.00 min
Lab File: BG020386.D
Acq: 21 Dec 2015 21:03

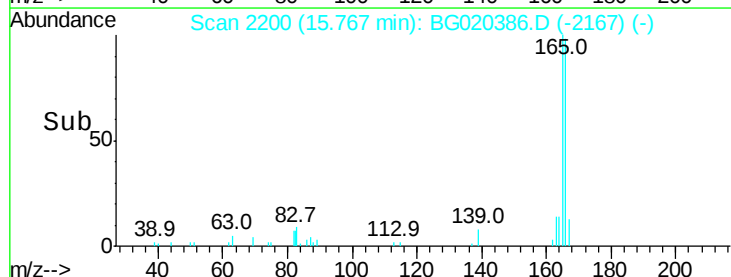
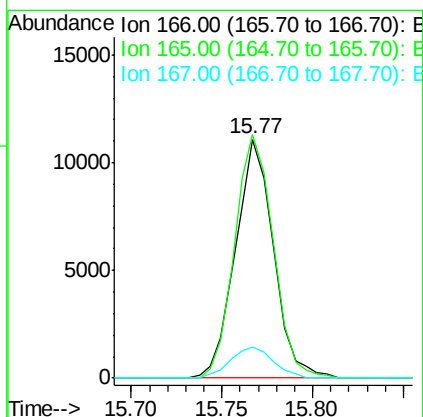
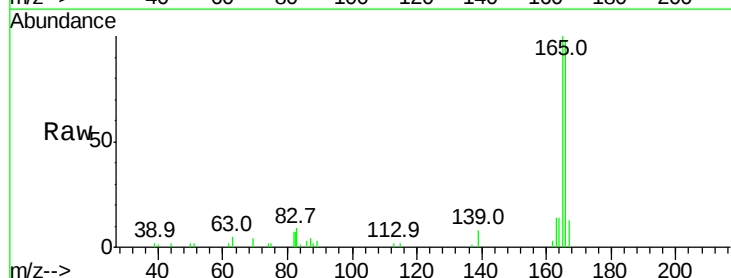
Instrument :
BNA_G
ClientSampleId :
D9N35DL

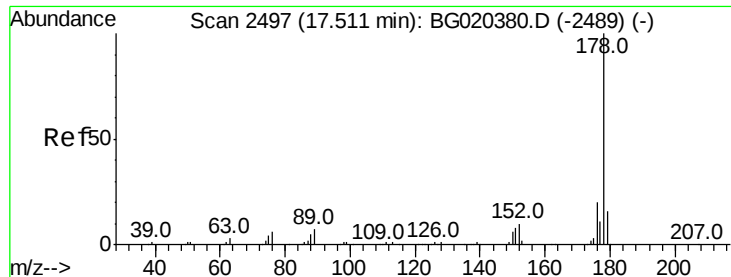
Tot Ion:168 Resp: 20645
Ion Ratio Lower Upper
168 100
139 35.8 30.5 45.7



#59
Fluorene
Concen: 3.80 ng/ul
RT: 15.77 min Scan# 2200
Delta R.T. -0.00 min
Lab File: BG020386.D
Acq: 21 Dec 2015 21:03

Tgt Ion:166 Resp: 16208
Ion Ratio Lower Upper
166 100
165 101.8 81.4 122.0
167 13.1 11.2 16.8





#70

Phenanthrene

Concen: 4.48 ng/ul

RT: 17.51 min Scan# 2496

Delta R.T. -0.00 min

Lab File: BG020386.D

Acq: 21 Dec 2015 21:03

Instrument :

BNA_G

ClientSampleId :

D9N35DL

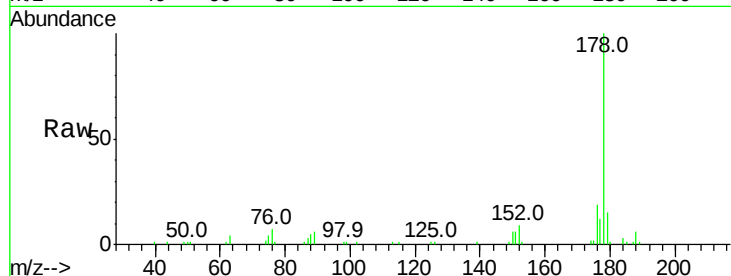
Tot Ion:178 Resp: 30689

Ion Ratio Lower Upper

178 100

179 15.2 12.9 19.3

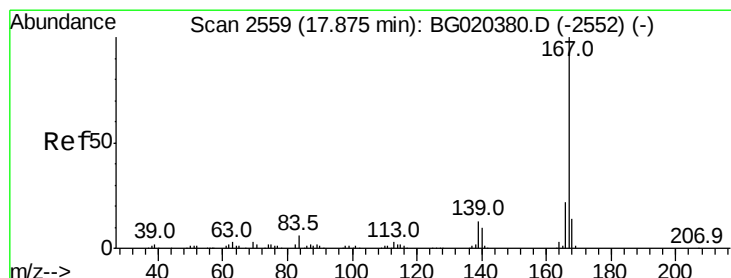
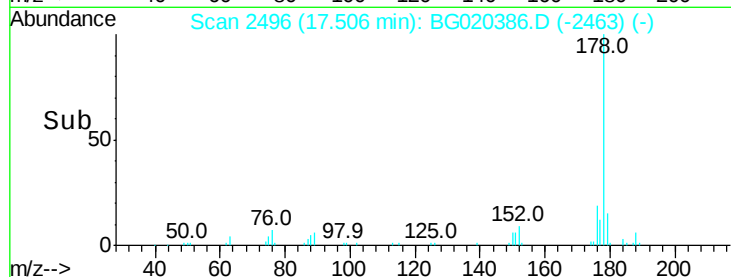
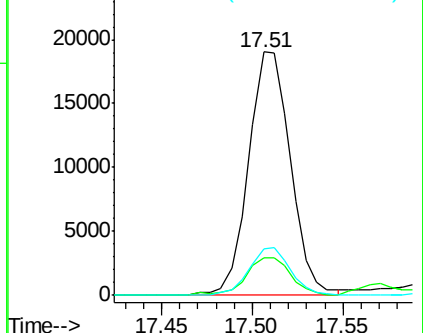
176 18.8 15.3 22.9



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



#75

Carbazole

Concen: 3.03 ng/ul

RT: 17.87 min Scan# 2558

Delta R.T. -0.00 min

Lab File: BG020386.D

Acq: 21 Dec 2015 21:03

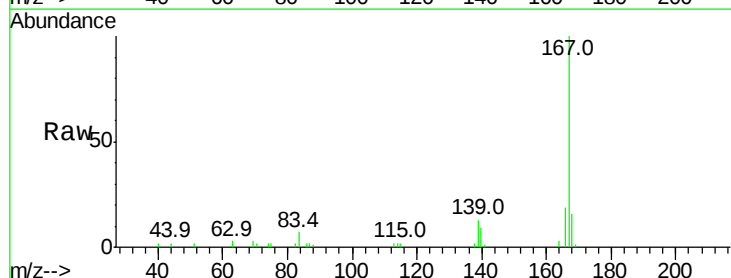
Tgt Ion:167 Resp: 17675

Ion Ratio Lower Upper

167 100

166 19.1 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

