

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122115\
 Data File : BG020384.D
 Acq On : 21 Dec 2015 19:46
 Operator : UM/SJ
 Sample : G4768-07DL 2X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N31DL

Quant Time: Dec 22 02:03:24 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	17481	20.00	ng/ul	0.00
18) Naphthalene-d8	10.91	136	77785	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.72	164	49840	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.47	188	119858	20.00	ng/ul	0.00
78) Chrysene-d12	21.74	240	144081	20.00	ng/ul	0.00
86) Perylene-d12	25.02	264	108389	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.47	96	124	0.39	ng/uL	0.00
5) Phenol-d5	7.26	99	5502	3.57	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.41	67	14458	15.72	ng/ul	0.00
9) 2-Chlorophenol-d4	7.62	132	15183	13.54	ng/ul	0.00
13) 4-Methylphenol-d8	8.80	113	11007	8.35	ng/ul	0.00
19) Nitrobenzene-d5	9.26	128	10266	16.93	ng/ul	0.00
22) 2-Nitrophenol-d4	9.99	143	11822	17.52	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.53	165	21057	15.41	ng/ul	0.00
29) 4-Chloroaniline-d4	11.05	131	1394	0.91	ng/ul	0.00
44) Dimethylphthalate-d6	14.12	166	67694	16.79	ng/ul	0.00
47) Acenaphthylene-d8	14.42	160	83583	17.82	ng/ul	0.00
52) 4-Nitrophenol-d4	14.93	143	1496	2.07	ng/ul	0.00
58) Fluorene-d10	15.71	176	63700	17.42	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.83	200	4882	6.87	ng/ul	0.00
71) Anthracene-d10	17.57	188	100484	18.19	ng/ul	0.00
79) Pyrene-d10	19.85	212	116055	17.28	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.79	264	106004	19.61	ng/ul	0.00

Target Compounds

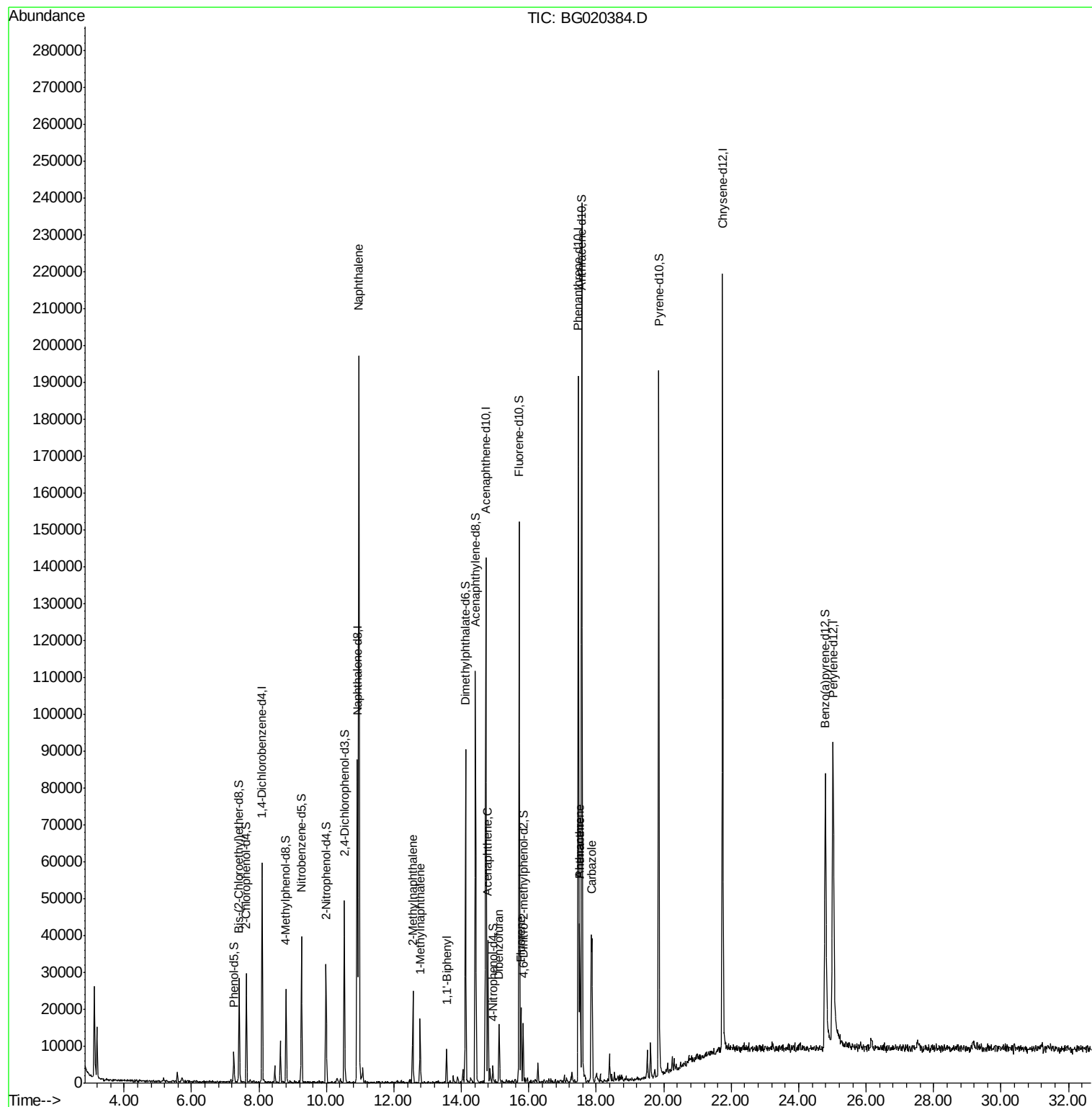
						Qvalue
28) Naphthalene	10.96	128	176244	43.39	ng/ul	98
34) 2-Methylnaphthalene	12.56	142	13136	4.23	ng/ul	98
35) 1-Methylnaphthalene	12.78	142	9422	3.16	ng/ul#	97
41) 1,1'-Biphenyl	13.56	154	5597	1.49	ng/ul	98
50) Acenaphthene	14.79	153	17727	5.29	ng/ul	96
54) Dibenzofuran	15.12	168	10859	2.18	ng/ul	99
59) Fluorene	15.77	166	9662	2.41	ng/ul	96
70) Phenanthrene	17.51	178	29262	4.46	ng/ul	98
72) Anthracene	17.51	178	29262	4.40	ng/ul	97
75) Carbazole	17.87	167	26094	4.67	ng/ul	98

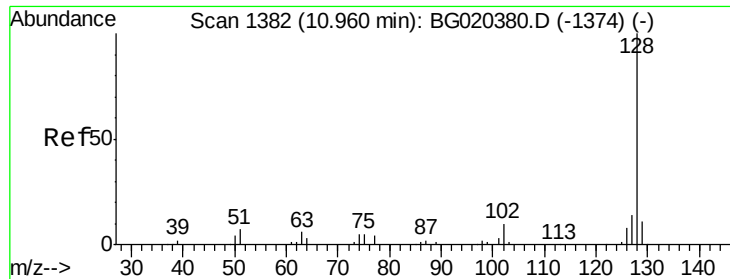
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration





#28

Naphthalene

Concen: 43.39 ng/ul

RT: 10.96 min Scan# 1382

Delta R.T. -0.00 min

Lab File: BG020384.D

Acq: 21 Dec 2015 19:46

Instrument :

BNA_G

ClientSampleId :

D9N31DL

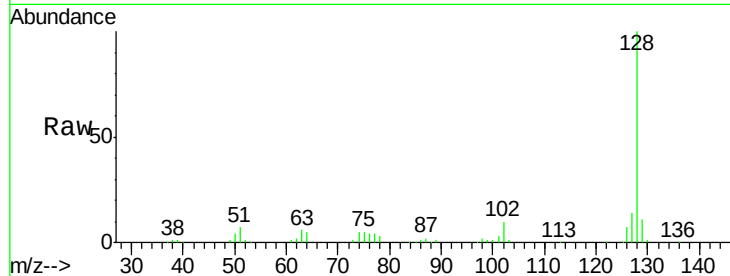
Tgt Ion:128 Resp: 176244

Ion Ratio Lower Upper

128 100

129 10.8 8.6 12.8

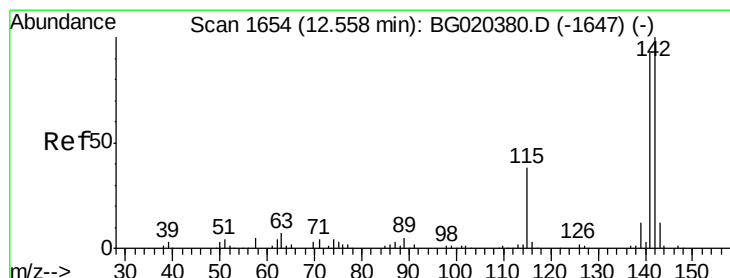
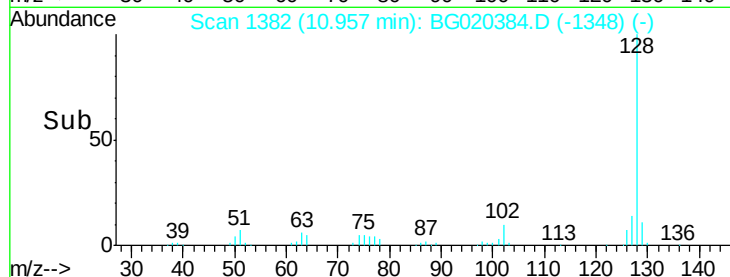
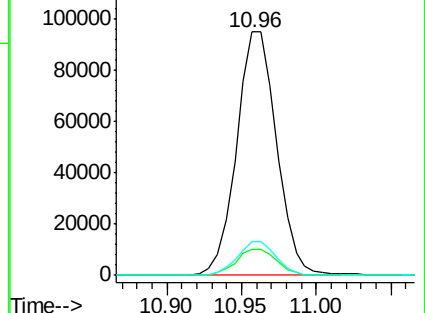
127 13.7 10.1 15.1



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



#34

2-Methylnaphthalene

Concen: 4.23 ng/ul

RT: 12.56 min Scan# 1654

Delta R.T. -0.00 min

Lab File: BG020384.D

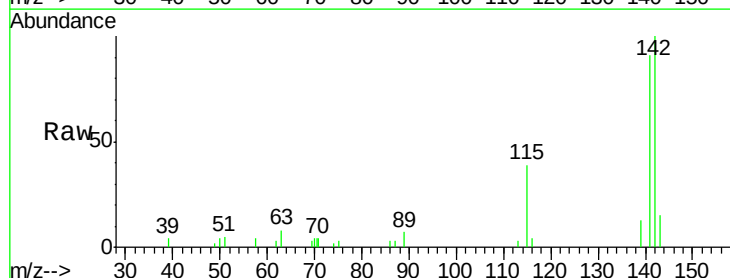
Acq: 21 Dec 2015 19:46

Tgt Ion:142 Resp: 13136

Ion Ratio Lower Upper

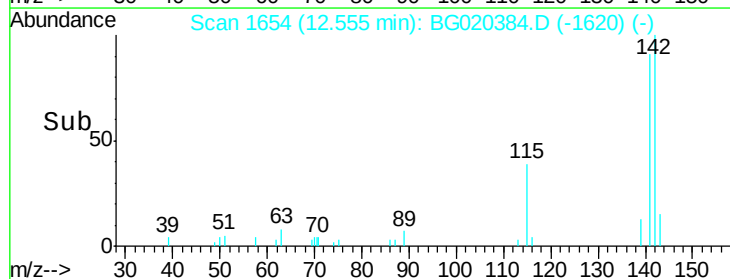
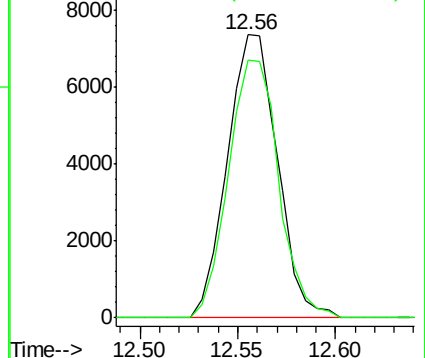
142 100

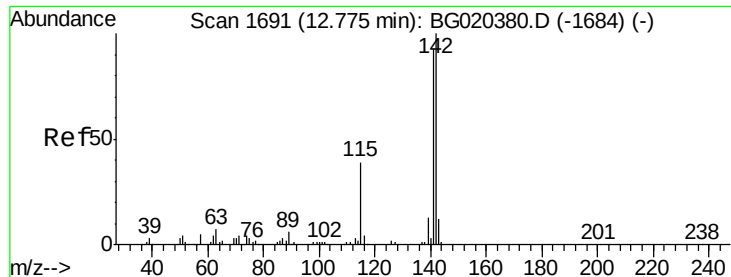
141 91.2 74.9 112.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

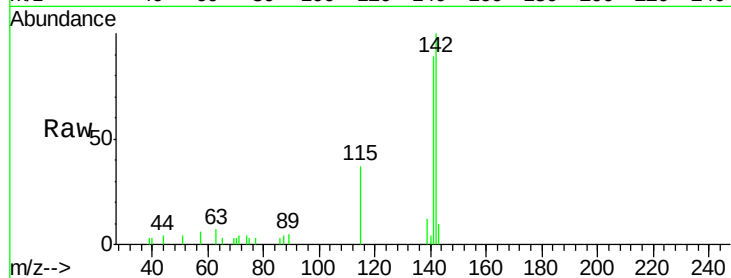




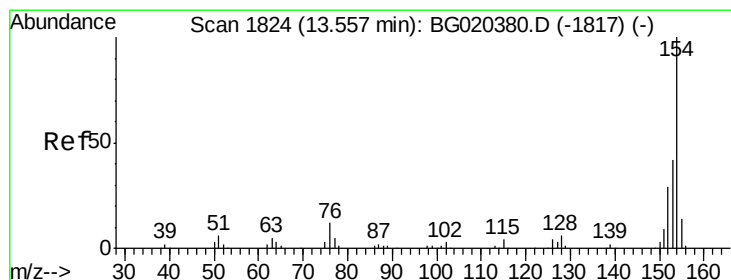
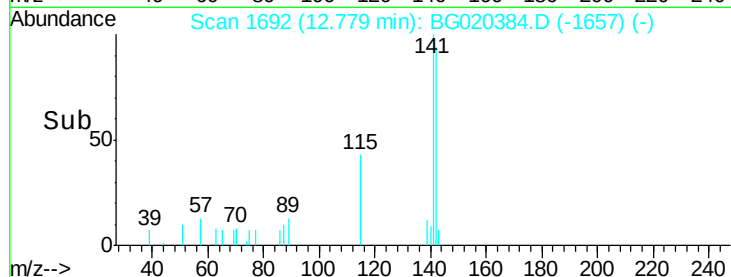
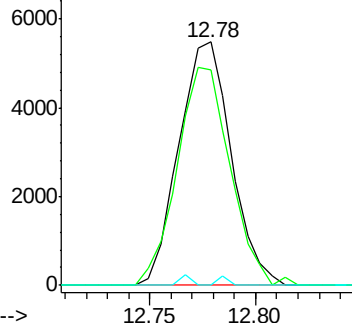
#35
 1-Methylnaphthalene
 Concen: 3.16 ng/ul
 RT: 12.78 min Scan# 1692
 Delta R.T. 0.00 min
 Lab File: BG020384.D
 Acq: 21 Dec 2015 19:46

Instrument :
 BNA_G
 ClientSampleId :
 D9N31DL

Tgt Ion:142 Resp: 9422
 Ion Ratio Lower Upper
 142 100
 141 88.6 73.0 109.6
 116 0.0 3.0 4.6#

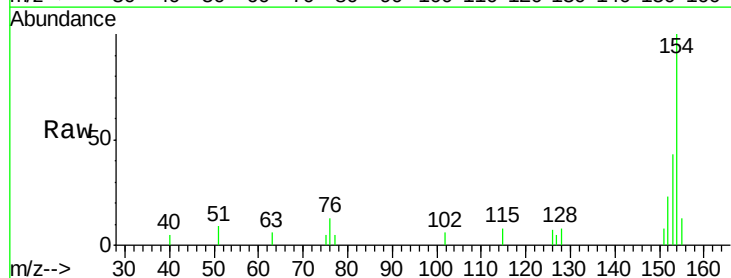


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 116.00 (115.70 to 116.70): E

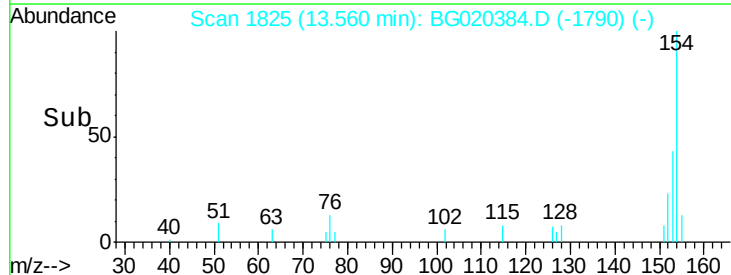
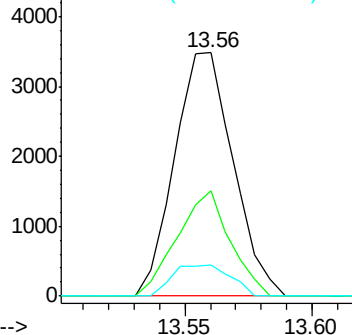


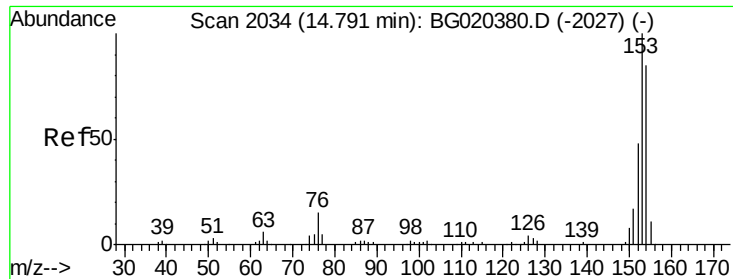
#41
 1,1'-Biphenyl
 Concen: 1.49 ng/ul
 RT: 13.56 min Scan# 1825
 Delta R.T. 0.00 min
 Lab File: BG020384.D
 Acq: 21 Dec 2015 19:46

Tgt Ion:154 Resp: 5597
 Ion Ratio Lower Upper
 154 100
 153 43.2 35.5 53.3
 76 12.7 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): BG





#50

Acenaphthene

Concen: 5.29 ng/ul

RT: 14.79 min Scan# 2034

Delta R.T. -0.00 min

Lab File: BG020384.D

Acq: 21 Dec 2015 19:46

Instrument :

BNA_G

ClientSampleId :

D9N31DL

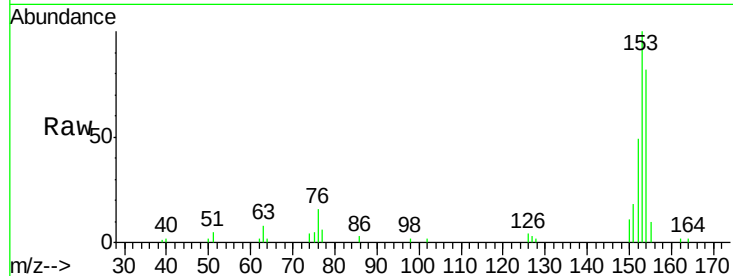
Tgt Ion:153 Resp: 17727

Ion Ratio Lower Upper

153 100

152 49.5 37.6 56.4

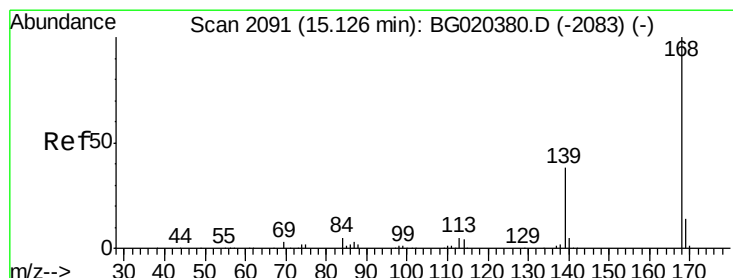
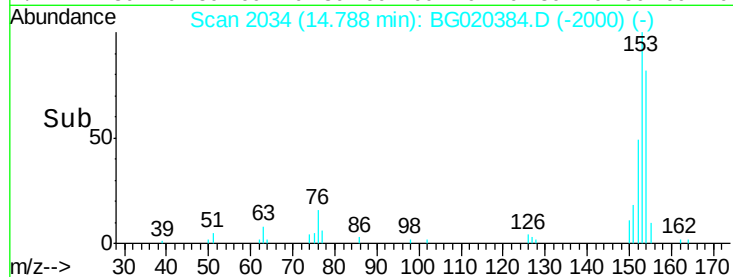
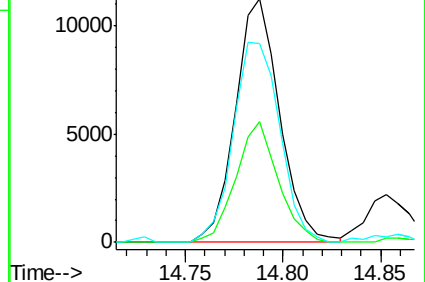
154 81.7 67.9 101.9



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: 2.18 ng/ul

RT: 15.12 min Scan# 2090

Delta R.T. -0.01 min

Lab File: BG020384.D

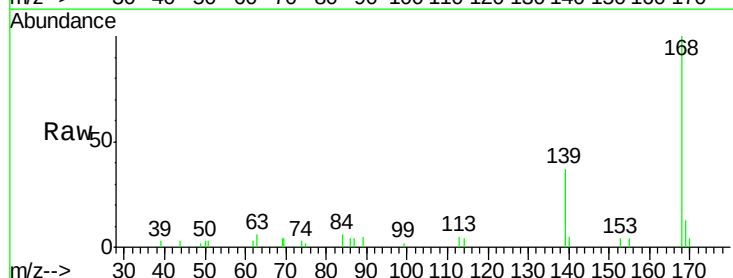
Acq: 21 Dec 2015 19:46

Tgt Ion:168 Resp: 10859

Ion Ratio Lower Upper

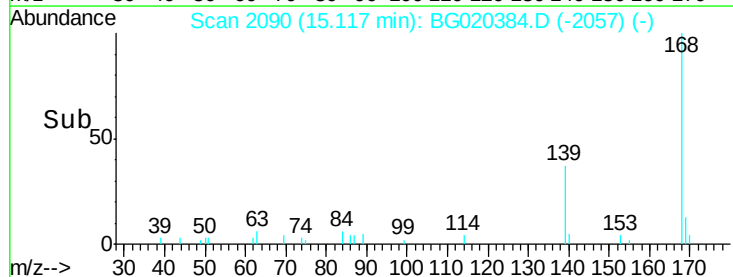
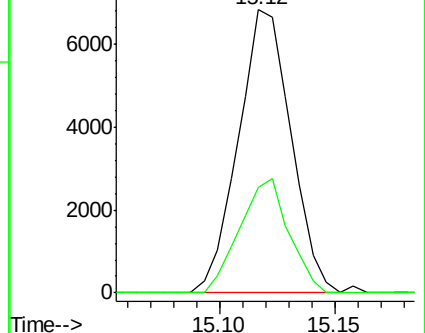
168 100

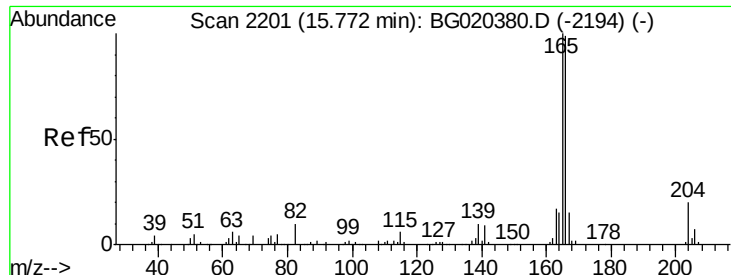
139 37.3 30.5 45.7



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#59

Fluorene

Concen: 2.41 ng/ul

RT: 15.77 min Scan# 2201

Delta R.T. -0.00 min

Lab File: BG020384.D

Acq: 21 Dec 2015 19:46

Instrument :

BNA_G

ClientSampleId :

D9N31DL

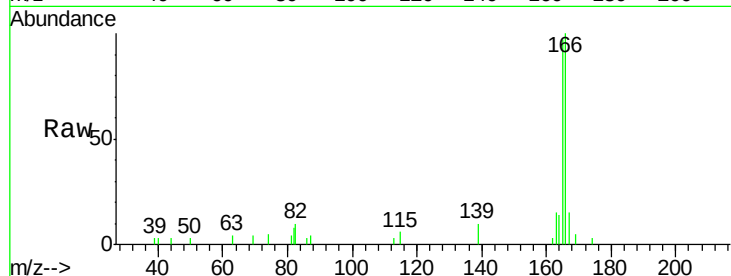
Tgt Ion:166 Resp: 9662

Ion Ratio Lower Upper

166 100

165 97.0 81.4 122.0

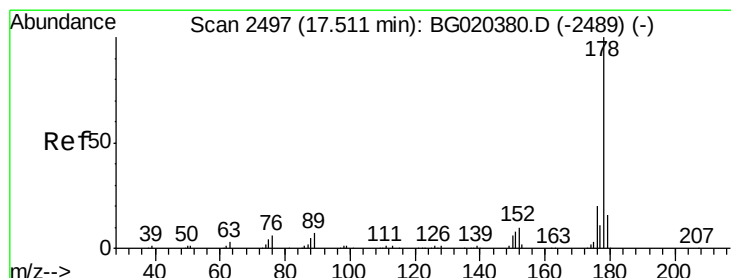
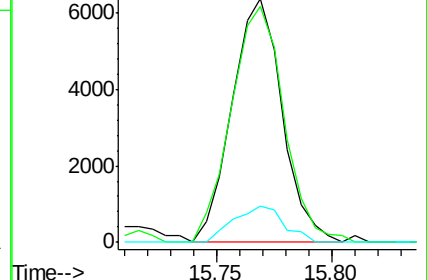
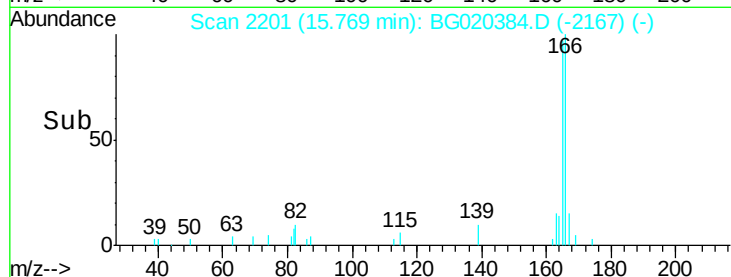
167 14.6 11.2 16.8



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#70

Phenanthrene

Concen: 4.46 ng/ul

RT: 17.51 min Scan# 2497

Delta R.T. -0.00 min

Lab File: BG020384.D

Acq: 21 Dec 2015 19:46

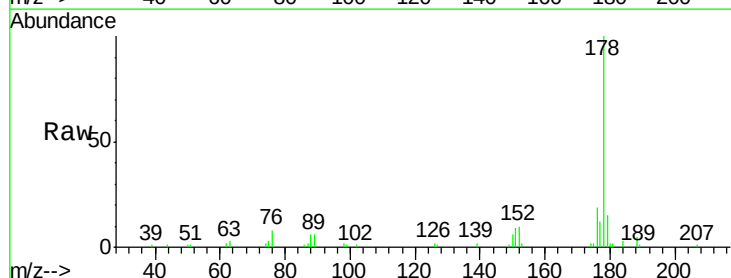
Tgt Ion:178 Resp: 29262

Ion Ratio Lower Upper

178 100

179 14.7 12.9 19.3

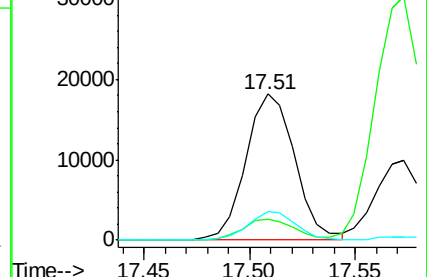
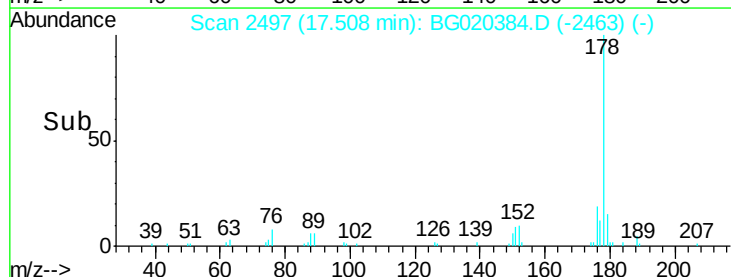
176 19.5 15.3 22.9

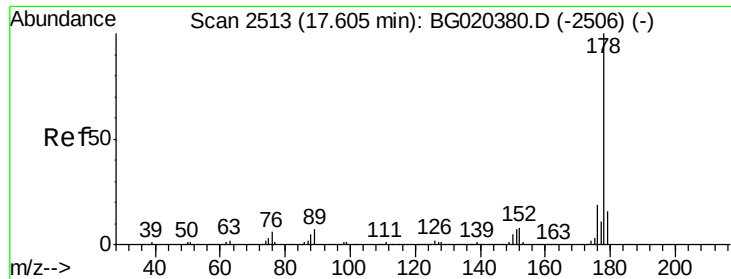


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Anthracene

Concen: 4.40 ng/ul

RT: 17.51 min Scan# 2497

Delta R.T. -0.10 min

Lab File: BG020384.D

Acq: 21 Dec 2015 19:46

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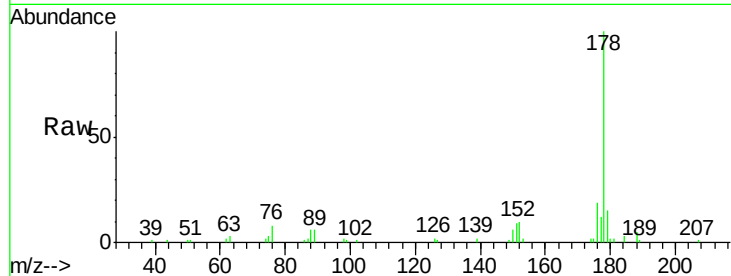
Tgt Ion:178 Resp: 29262

Ion Ratio Lower Upper

178 100

179 14.7 12.3 18.5

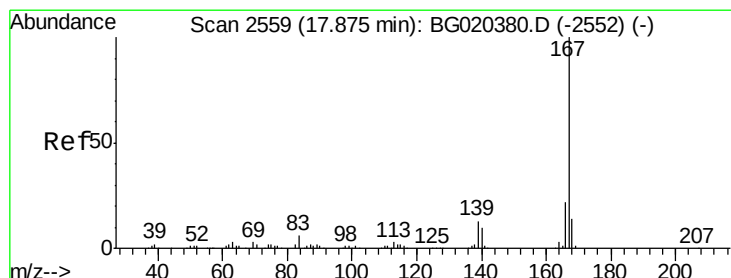
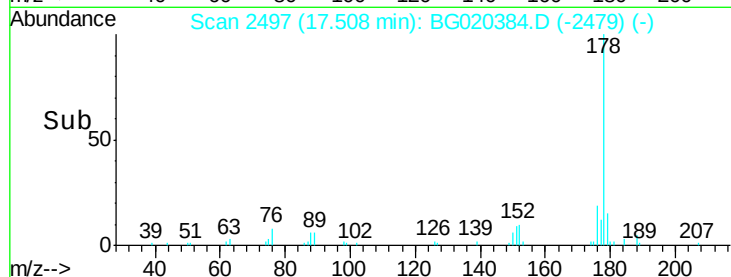
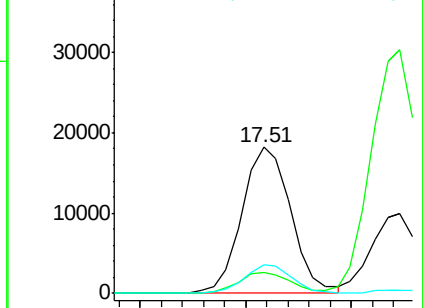
176 19.5 14.3 21.5



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: 4.67 ng/ul

RT: 17.87 min Scan# 2559

Delta R.T. -0.00 min

Lab File: BG020384.D

Acq: 21 Dec 2015 19:46

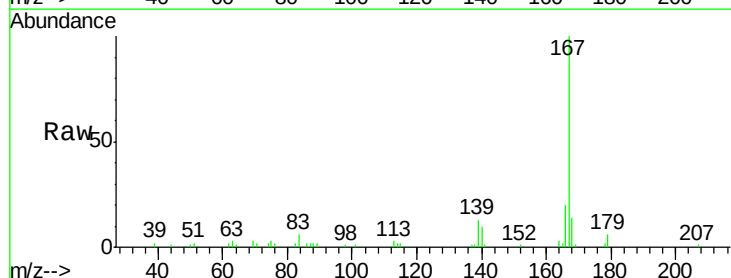
Tgt Ion:167 Resp: 26094

Ion Ratio Lower Upper

167 100

166 20.4 17.0 25.6

139 13.0 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

