

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122115\
 Data File : BG020382.D
 Acq On : 21 Dec 2015 18:27
 Operator : UM/SJ
 Sample : G4768-04DL 25X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N28DL

Quant Time: Dec 22 02:02:48 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	16824	20.00	ng/ul	0.00
18) Naphthalene-d8	10.91	136	73942	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.73	164	47837	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.47	188	119101	20.00	ng/ul	0.00
78) Chrysene-d12	21.74	240	143325	20.00	ng/ul	0.00
86) Perylene-d12	25.02	264	122248	20.00	ng/ul	-0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	7.26	99	318	0.21	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.41	67	989	1.12	ng/ul	0.00
9) 2-Chlorophenol-d4	7.62	132	1052	0.97	ng/ul	0.00
13) 4-Methylphenol-d8	8.80	113	607	0.48	ng/ul	0.00
19) Nitrobenzene-d5	9.26	128	420	0.73	ng/ul	0.00
22) 2-Nitrophenol-d4	9.98	143	276	0.43	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.54	165	1032	0.79	ng/ul	0.00
29) 4-Chloroaniline-d4	0.00	131	0	0.00	ng/ul	
44) Dimethylphthalate-d6	14.12	166	4585	1.18	ng/ul	0.00
47) Acenaphthylene-d8	14.41	160	6271	1.39	ng/ul	0.00
52) 4-Nitrophenol-d4	0.00	143	0	0.00	ng/ul	
58) Fluorene-d10	15.71	176	5142	1.47	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	0.00	200	0	0.00	ng/ul	
71) Anthracene-d10	17.47	188	119101	21.70	ng/ul	-0.10
79) Pyrene-d10	19.85	212	8860	1.33	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.78	264	7535	1.24	ng/ul	-0.01

Target Compounds

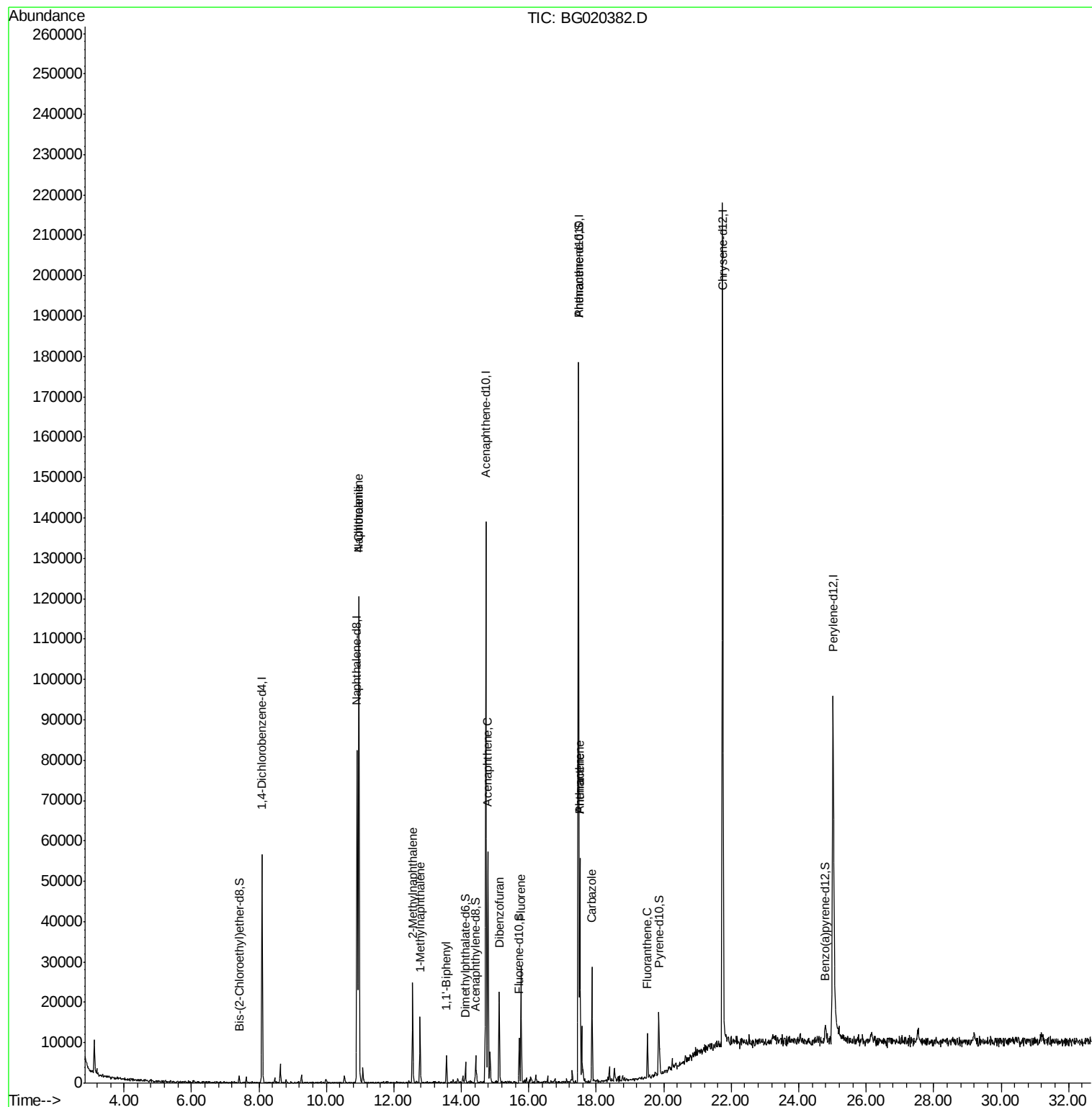
						Qvalue
28) Naphthalene	10.96	128	106518	27.59	ng/ul	98
30) 4-Chloroaniline	10.96	127	14115	9.47	ng/ul#	12
34) 2-Methylnaphthalene	12.56	142	12093	4.10	ng/ul	95
35) 1-Methylnaphthalene	12.78	142	8407	2.96	ng/ul#	98
41) 1,1'-Biphenyl	13.56	154	4442	1.23	ng/ul	98
50) Acenaphthene	14.78	153	25249	7.85	ng/ul	97
54) Dibenzofuran	15.12	168	16993	3.55	ng/ul	96
59) Fluorene	15.77	166	14504	3.77	ng/ul	90
70) Phenanthrene	17.51	178	37574	5.77	ng/ul	98
72) Anthracene	17.51	178	37574	5.69	ng/ul	100
75) Carbazole	17.87	167	20762	3.74	ng/ul	99
77) Fluoranthene	19.51	202	8545	1.12	ng/ul	96

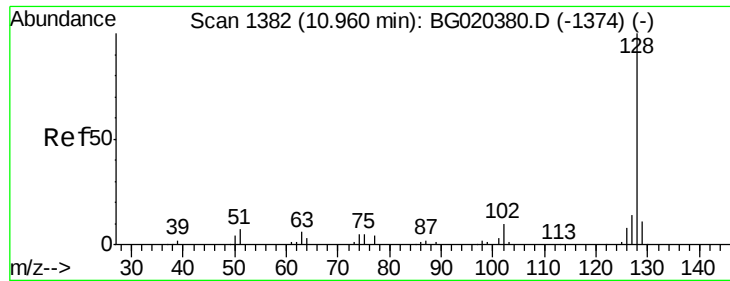
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
QLast Update : Tue Dec 22 02:00:19 2015
Response via : Initial Calibration





#28

Naphthalene

Concen: 27.59 ng/ul

RT: 10.96 min Scan# 1382

Delta R.T. 0.00 min

Lab File: BG020382.D

Acq: 21 Dec 2015 18:27

Instrument :

BNA_G

ClientSampleId :

D9N28DL

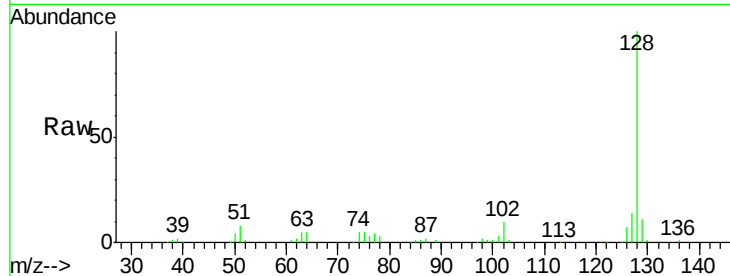
Tgt Ion:128 Resp: 106518

Ion Ratio Lower Upper

128 100

129 11.2 8.6 12.8

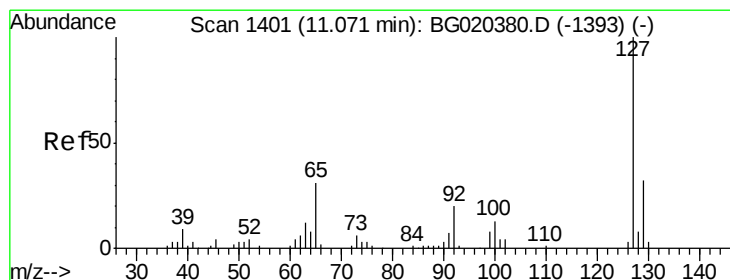
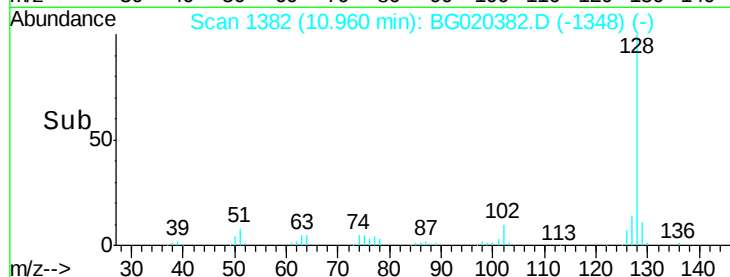
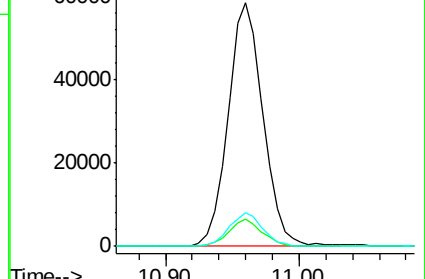
127 13.8 10.1 15.1



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: 9.47 ng/ul

RT: 10.96 min Scan# 1382

Delta R.T. -0.11 min

Lab File: BG020382.D

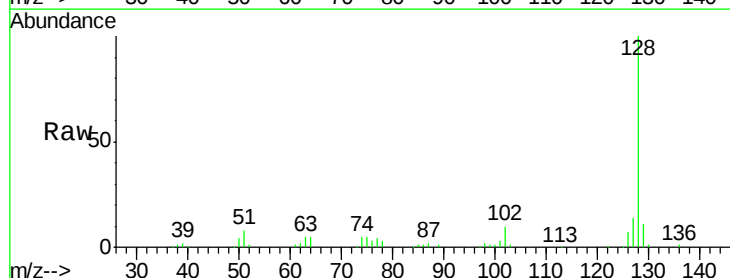
Acq: 21 Dec 2015 18:27

Tgt Ion:127 Resp: 14115

Ion Ratio Lower Upper

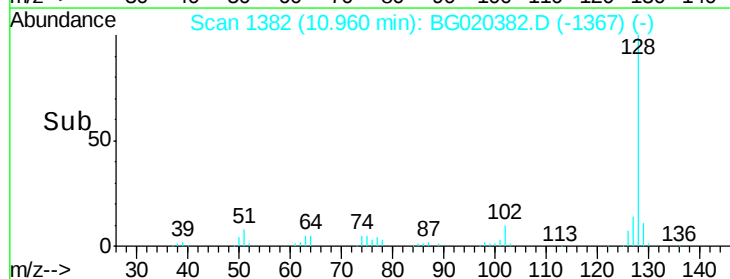
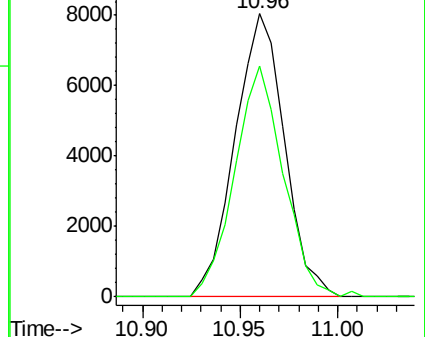
127 100

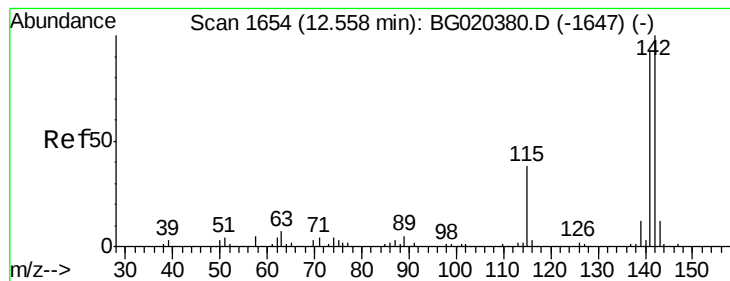
129 81.4 25.7 38.5#



Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E





#34

2-Methylnaphthalene

Concen: 4.10 ng/ul

RT: 12.56 min Scan# 1654

Delta R.T. 0.00 min

Lab File: BG020382.D

Acq: 21 Dec 2015 18:27

Instrument :

BNA_G

ClientSampleId :

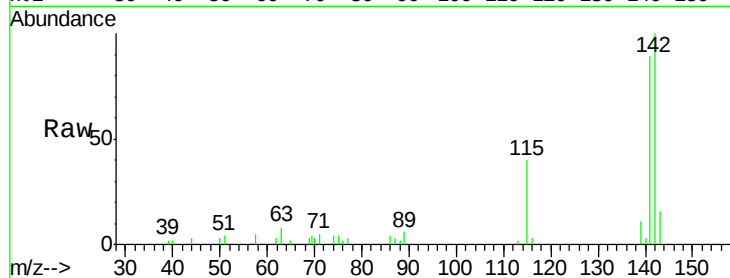
D9N28DL

Tgt Ion:142 Resp: 12093

Ion Ratio Lower Upper

142 100

141 89.0 74.9 112.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.56

8000

6000

4000

2000

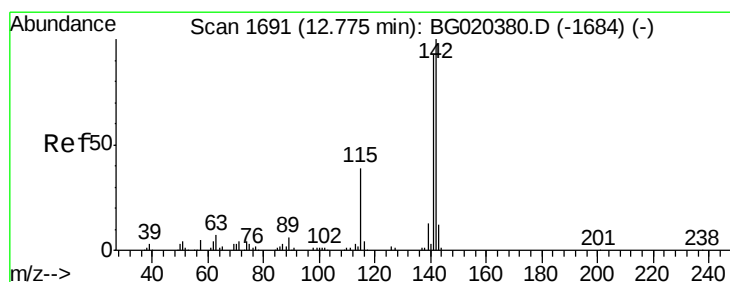
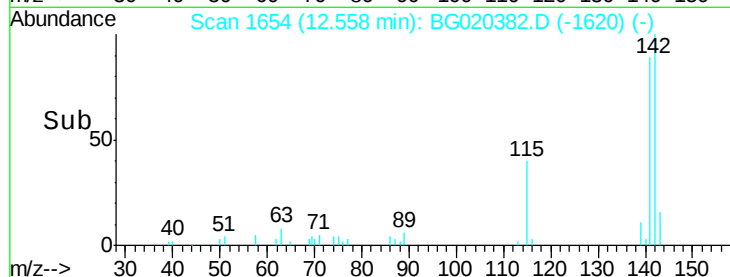
0

Time-->

12.50

12.55

12.60



#35

1-Methylnaphthalene

Concen: 2.96 ng/ul

RT: 12.78 min Scan# 1691

Delta R.T. 0.00 min

Lab File: BG020382.D

Acq: 21 Dec 2015 18:27

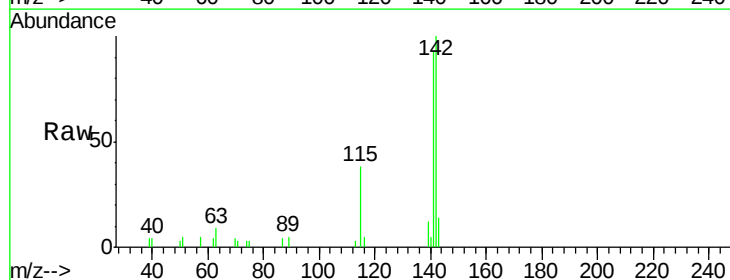
Tgt Ion:142 Resp: 8407

Ion Ratio Lower Upper

142 100

141 93.0 73.0 109.6

116 5.1 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

12.78

6000

4000

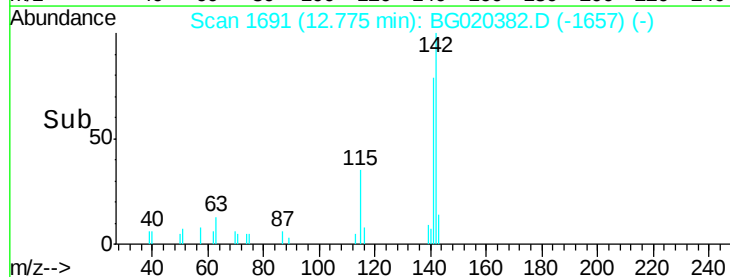
2000

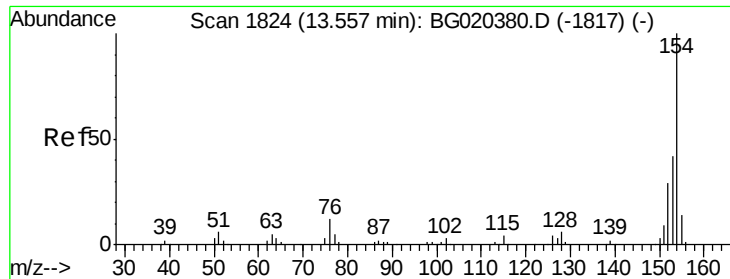
0

Time-->

12.75

12.80

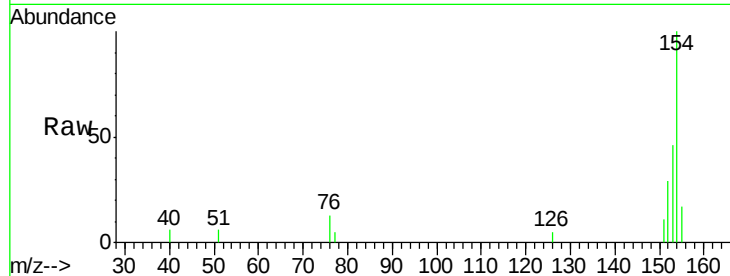




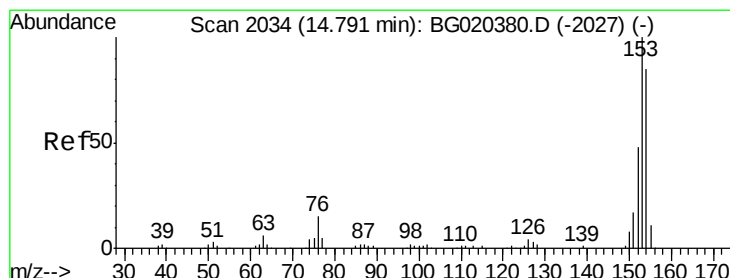
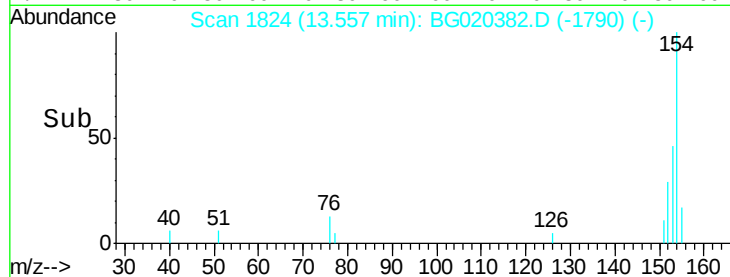
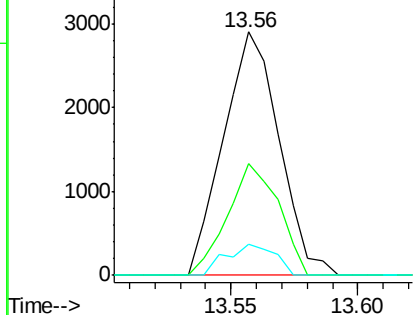
#41
 1,1'-Biphenyl
 Concen: 1.23 ng/ul
 RT: 13.56 min Scan# 1824
 Delta R.T. 0.00 min
 Lab File: BG020382.D
 Acq: 21 Dec 2015 18:27

Instrument :
 BNA_G
 ClientSampleId :
 D9N28DL

Tgt Ion:154 Resp: 4442
 Ion Ratio Lower Upper
 154 100
 153 45.9 35.5 53.3
 76 12.7 10.4 15.6

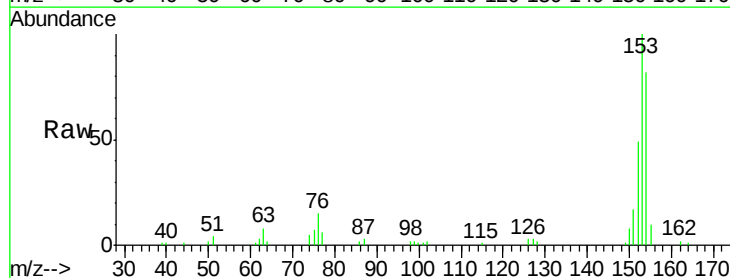


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BGC

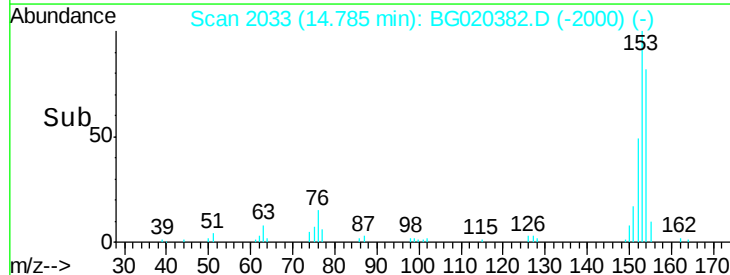
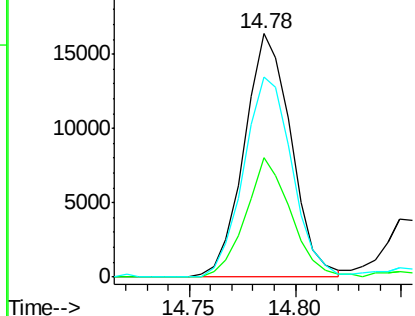


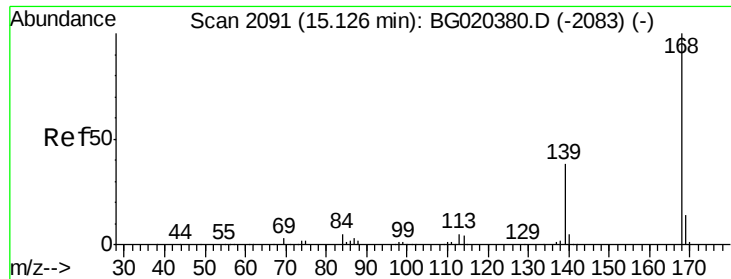
#50
 Acenaphthene
 Concen: 7.85 ng/ul
 RT: 14.78 min Scan# 2033
 Delta R.T. -0.01 min
 Lab File: BG020382.D
 Acq: 21 Dec 2015 18:27

Tgt Ion:153 Resp: 25249
 Ion Ratio Lower Upper
 153 100
 152 49.2 37.6 56.4
 154 82.3 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

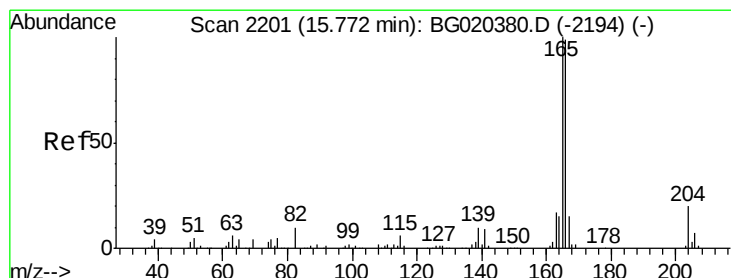
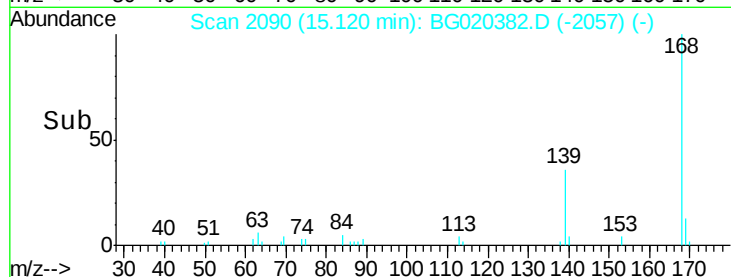
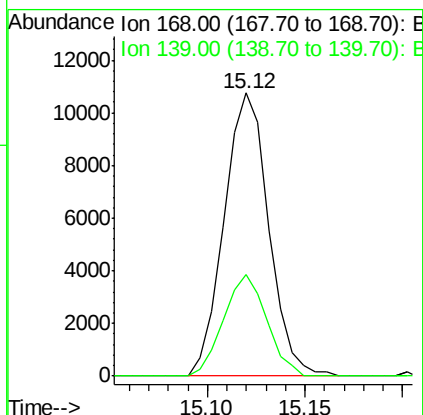
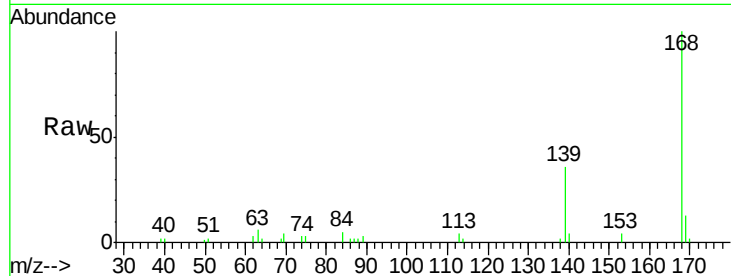




#54
Dibenzenofuran
Concen: 3.55 ng/ul
RT: 15.12 min Scan# 2090
Delta R.T. -0.01 min
Lab File: BG020382.D
Acq: 21 Dec 2015 18:27

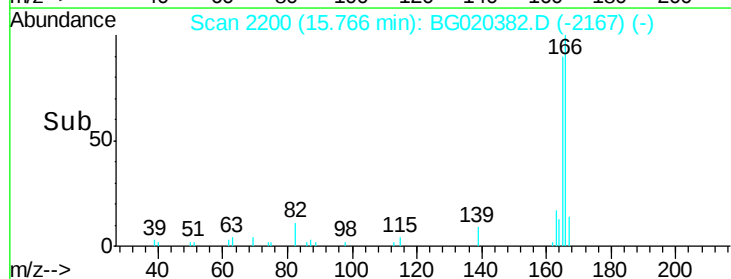
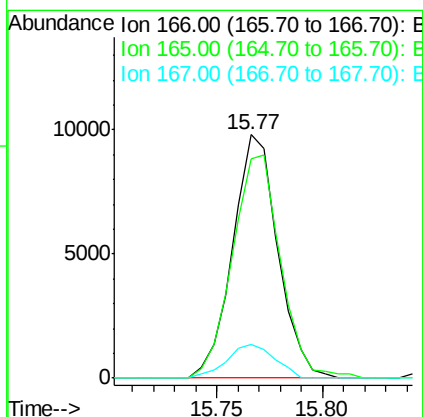
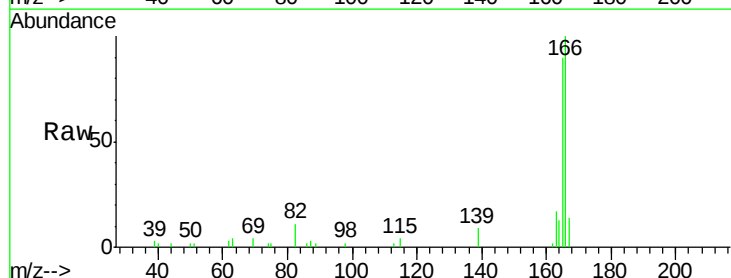
Instrument :
BNA_G
ClientSampleId :
D9N28DL

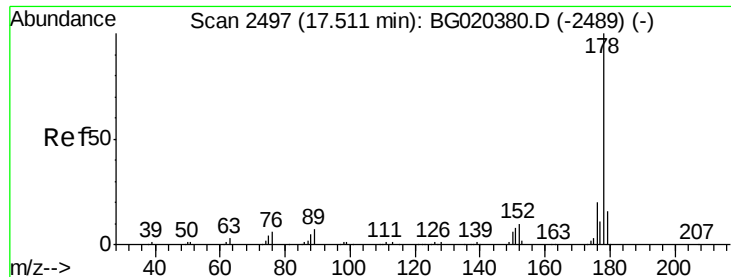
Tgt Ion:168 Resp: 16993
Ion Ratio Lower Upper
168 100
139 35.7 30.5 45.7



#59
Fluorene
Concen: 3.77 ng/ul
RT: 15.77 min Scan# 2200
Delta R.T. -0.01 min
Lab File: BG020382.D
Acq: 21 Dec 2015 18:27

Tgt Ion:166 Resp: 14504
Ion Ratio Lower Upper
166 100
165 89.9 81.4 122.0
167 14.0 11.2 16.8





#70

Phenanthrene

Concen: 5.77 ng/ul

RT: 17.51 min Scan# 2497

Delta R.T. 0.00 min

Lab File: BG020382.D

Acq: 21 Dec 2015 18:27

Instrument :

BNA_G

ClientSampleId :

D9N28DL

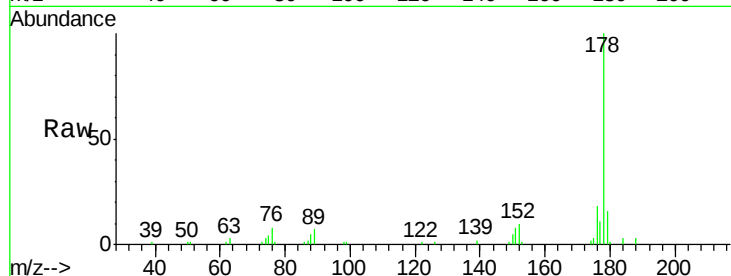
Tgt Ion:178 Resp: 37574

Ion Ratio Lower Upper

178 100

179 15.6 12.9 19.3

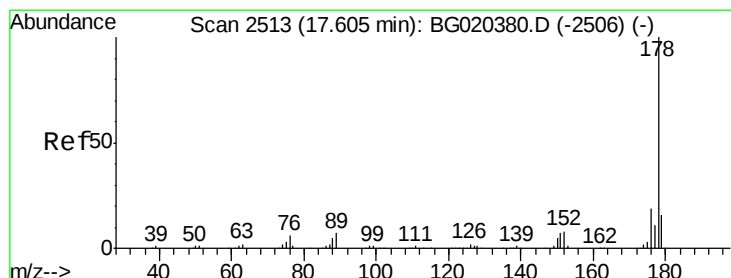
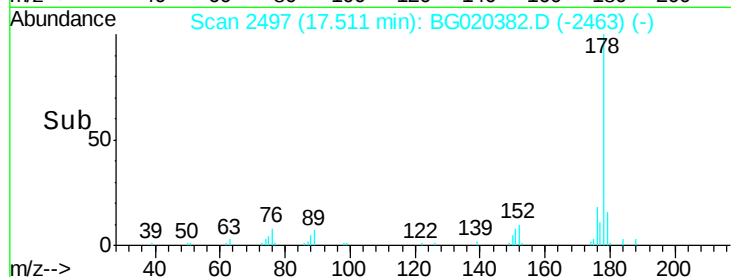
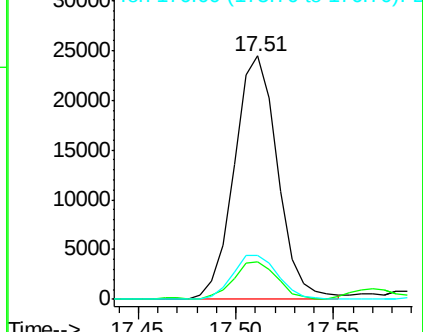
176 17.9 15.3 22.9



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: 5.69 ng/ul

RT: 17.51 min Scan# 2497

Delta R.T. -0.09 min

Lab File: BG020382.D

Acq: 21 Dec 2015 18:27

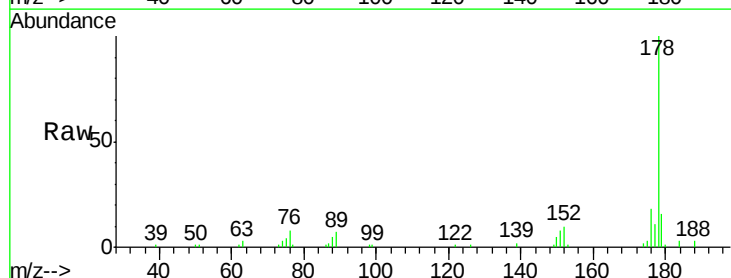
Tgt Ion:178 Resp: 37574

Ion Ratio Lower Upper

178 100

179 15.6 12.3 18.5

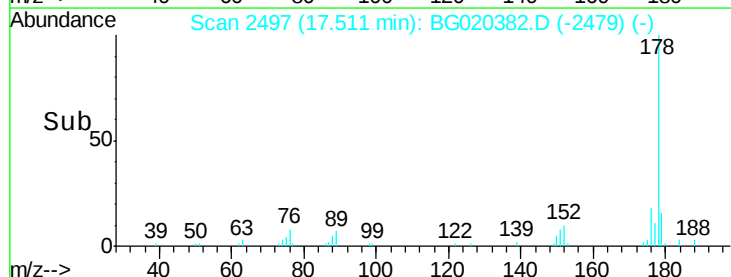
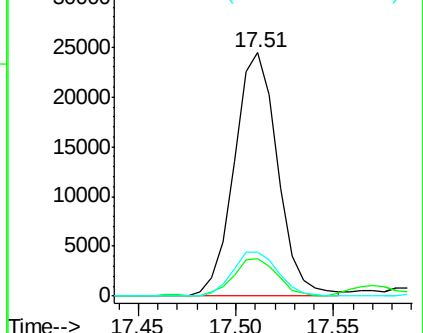
176 17.9 14.3 21.5

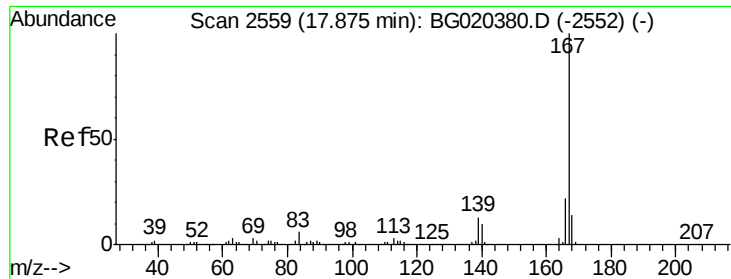


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#75

Carbazole

Concen: 3.74 ng/ul

RT: 17.87 min Scan# 2558

Delta R.T. -0.01 min

Lab File: BG020382.D

Acq: 21 Dec 2015 18:27

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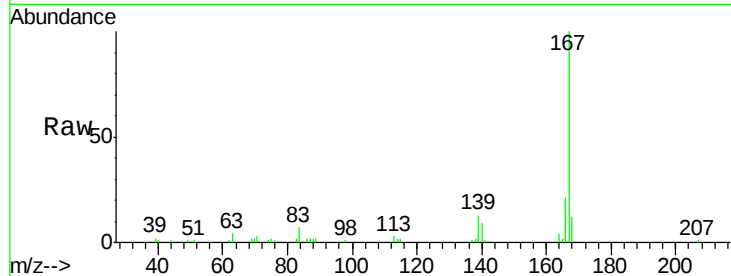
Tgt Ion:167 Resp: 20762

Ion Ratio Lower Upper

167 100

166 20.5 17.0 25.6

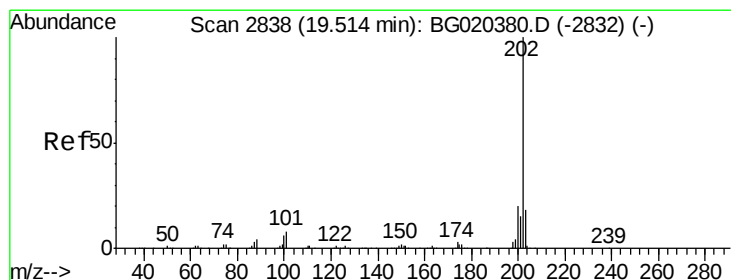
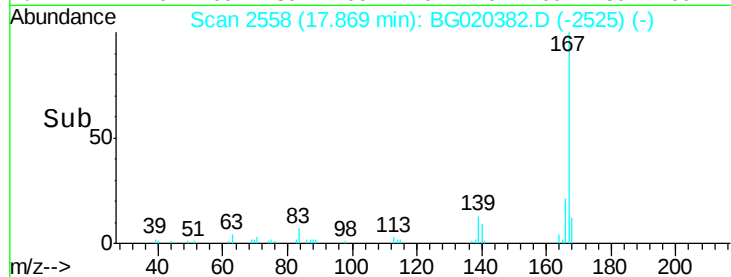
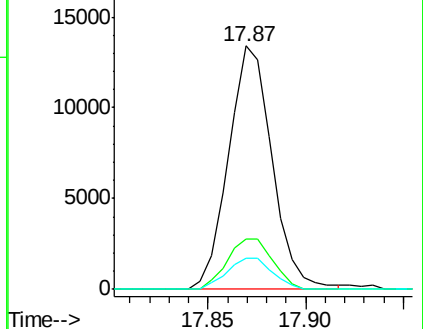
139 12.8 10.1 15.1



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: 1.12 ng/ul

RT: 19.51 min Scan# 2838

Delta R.T. 0.00 min

Lab File: BG020382.D

Acq: 21 Dec 2015 18:27

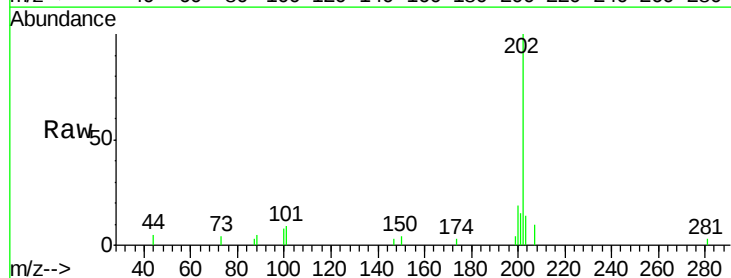
Tgt Ion:202 Resp: 8545

Ion Ratio Lower Upper

202 100

101 9.4 6.2 9.4

100 7.6 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): B

