

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG123015\
 Data File : BG020627.D
 Acq On : 31 Dec 2015 3:39
 Operator : UM/SJ
 Sample : G4846-08DL 100X
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N54DL

Quant Time: Dec 31 05:48:52 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Dec 31 03:43:50 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	15195	20.00	ng/ul	0.00
18) Naphthalene-d8	10.88	136	67489	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.69	164	49992	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.44	188	132377	20.00	ng/ul	0.00
78) Chrysene-d12	21.71	240	163629	20.00	ng/ul	0.00
86) Perylene-d12	24.97	264	155690	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	0.00	99	0	0.00	ng/ul	
7) Bis-(2-Chloroethyl)ether-d	0.00	67	0	0.00	ng/ul	
9) 2-Chlorophenol-d4	0.00	132	0	0.00	ng/ul	
13) 4-Methylphenol-d8	0.00	113	0	0.00	ng/ul	
19) Nitrobenzene-d5	0.00	128	0	0.00	ng/ul	
22) 2-Nitrophenol-d4	0.00	143	0	0.00	ng/ul	
26) 2,4-Dichlorophenol-d3	0.00	165	0	0.00	ng/ul	
29) 4-Chloroaniline-d4	0.00	131	0	0.00	ng/ul	
44) Dimethylphthalate-d6	14.10	166	1388	0.34	ng/ul	0.00
47) Acenaphthylene-d8	14.39	160	1680	0.36	ng/ul	0.00
52) 4-Nitrophenol-d4	0.00	143	0	0.00	ng/ul	
58) Fluorene-d10	15.69	176	1749	0.47	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	0.00	200	0	0.00	ng/ul	
71) Anthracene-d10	17.54	188	3262	0.53	ng/ul	0.00
79) Pyrene-d10	19.82	212	2712	0.37	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.74	264	2651	0.34	ng/ul	0.00

Target Compounds

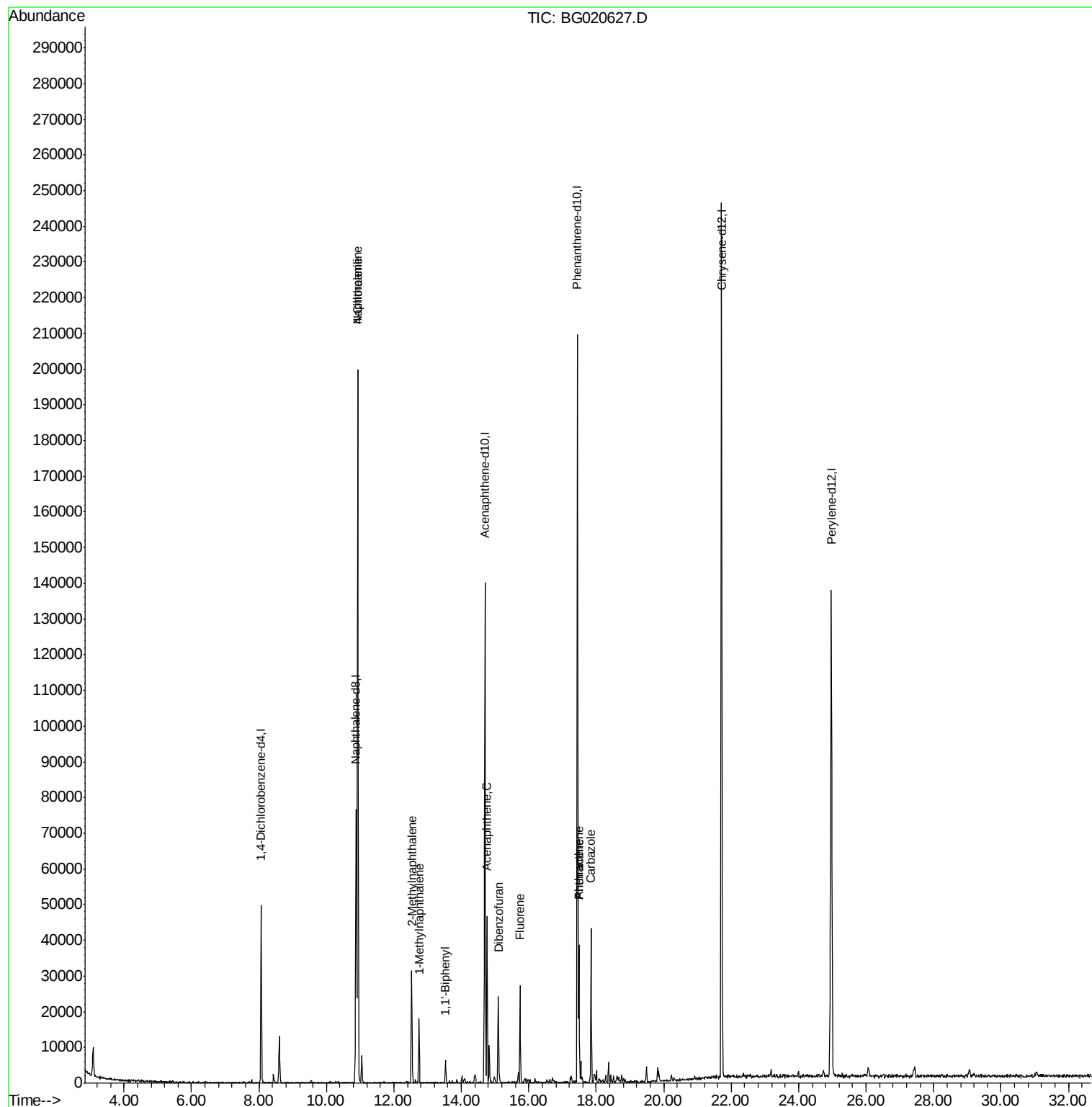
						Qvalue
28) Naphthalene	10.93	128	176358	49.34	ng/ul	98
30) 4-Chloroaniline	10.93	127	23858	17.01	ng/ul#	5
34) 2-Methylnaphthalene	12.53	142	16971	6.35	ng/ul	91
35) 1-Methylnaphthalene	12.74	142	8978	3.48	ng/ul	83
41) 1,1'-Biphenyl	13.53	154	4453	1.18	ng/ul#	88
50) Acenaphthene	14.76	153	21100	6.30	ng/ul	95
54) Dibenzofuran	15.09	168	17863	3.53	ng/ul	92
59) Fluorene	15.74	166	13059	3.21	ng/ul	92
70) Phenanthrene	17.49	178	26755	3.72	ng/ul	96
72) Anthracene	17.49	178	26755	3.63	ng/ul	96
75) Carbazole	17.84	167	31032	5.00	ng/ul	98

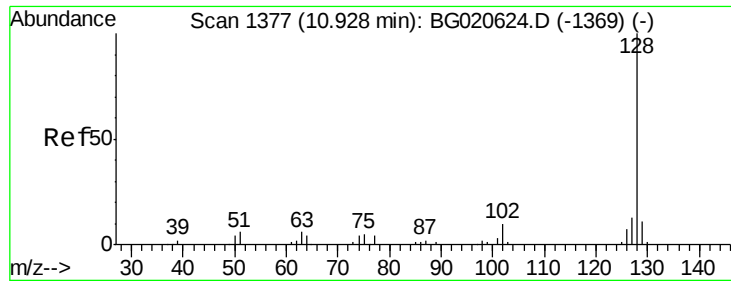
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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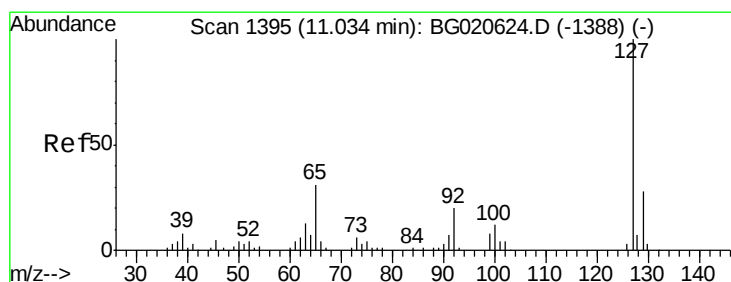
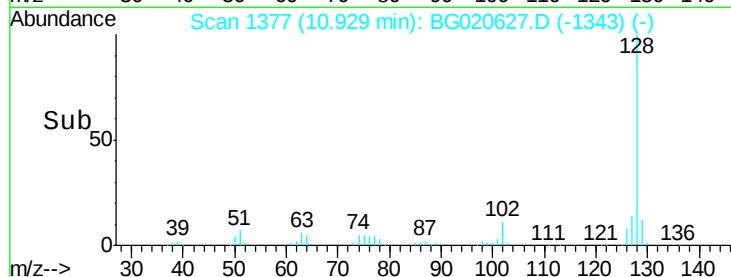
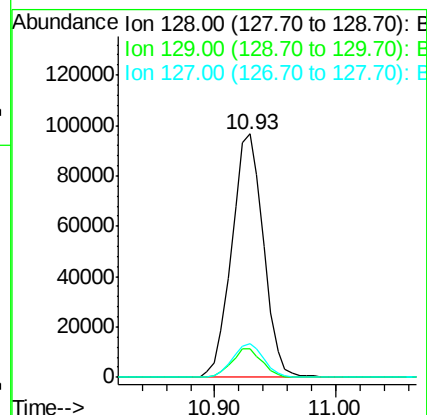
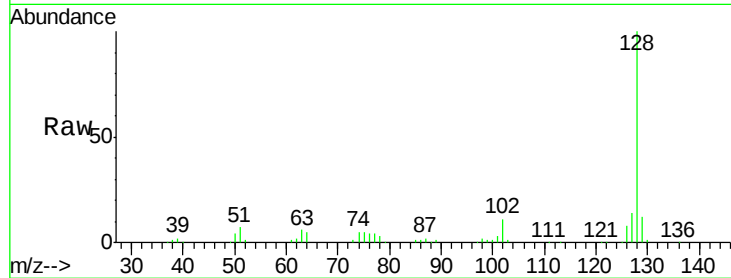




#28
Naphthalene
Concen: 49.34 ng/ul
RT: 10.93 min Scan# 1377
Delta R.T. 0.00 min
Lab File: BG020627.D
Acq: 31 Dec 2015 3:39

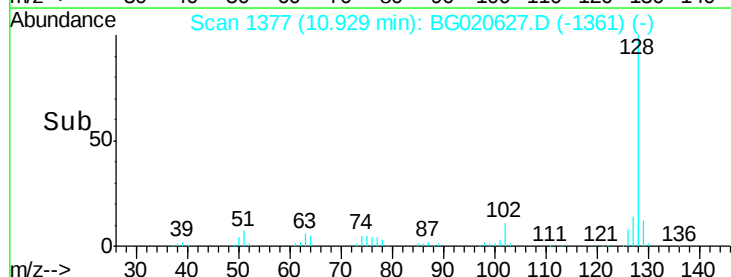
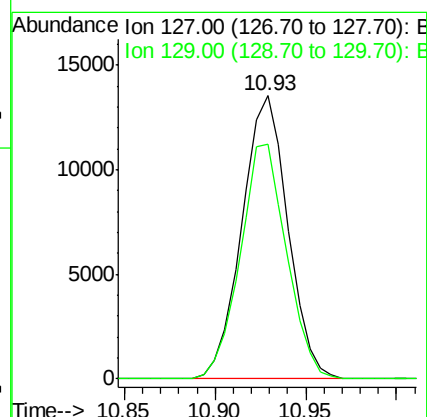
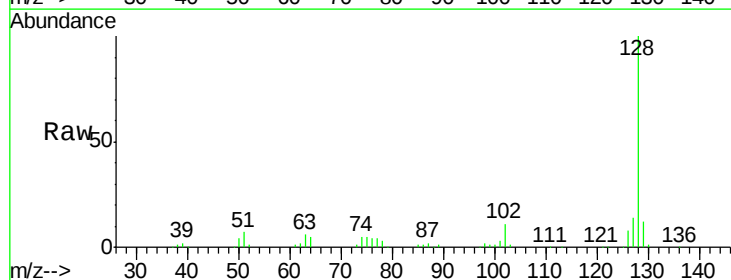
Instrument :
BNA_G
ClientSampleId :
D9N54DL

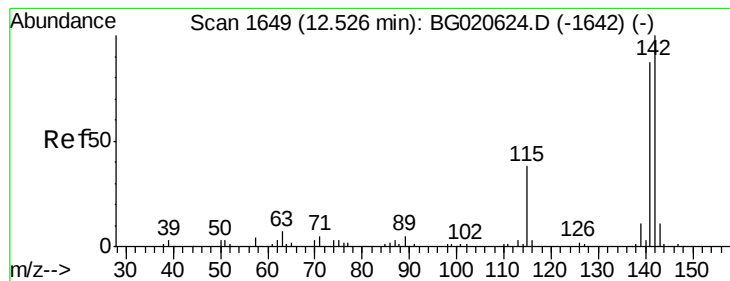
Tgt Ion:128 Resp: 176358
Ion Ratio Lower Upper
128 100
129 11.6 8.3 12.5
127 14.0 10.8 16.2



#30
4-Chloroaniline
Concen: 17.01 ng/ul
RT: 10.93 min Scan# 1377
Delta R.T. -0.11 min
Lab File: BG020627.D
Acq: 31 Dec 2015 3:39

Tgt Ion:127 Resp: 23858
Ion Ratio Lower Upper
127 100
129 82.7 24.6 37.0#





#34

2-Methylnaphthalene

Concen: 6.35 ng/ul

RT: 12.53 min Scan# 1649

Delta R.T. 0.00 min

Lab File: BG020627.D

Acq: 31 Dec 2015 3:39

Instrument :

BNA_G

ClientSampleId :

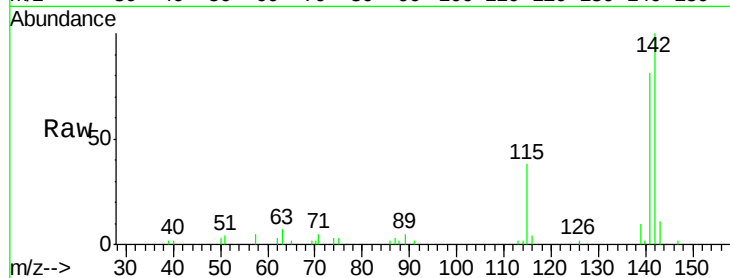
D9N54DL

Tgt Ion:142 Resp: 16971

Ion Ratio Lower Upper

142 100

141 81.0 71.4 107.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12000

10000

8000

6000

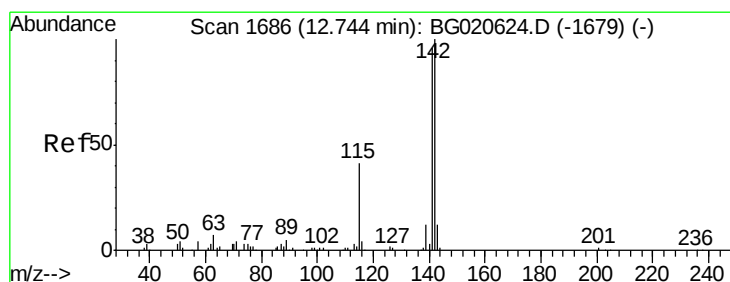
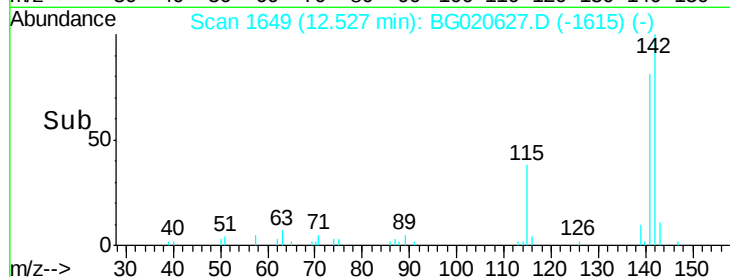
4000

2000

0

12.50 12.53 12.55

Time-->



#35

1-Methylnaphthalene

Concen: 3.48 ng/ul

RT: 12.74 min Scan# 1686

Delta R.T. 0.00 min

Lab File: BG020627.D

Acq: 31 Dec 2015 3:39

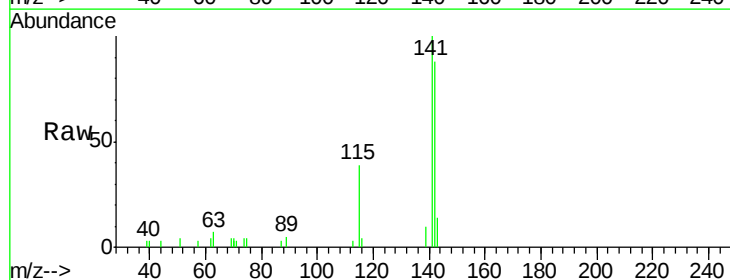
Tgt Ion:142 Resp: 8978

Ion Ratio Lower Upper

142 100

141 113.3 76.6 115.0

116 4.3 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

8000

6000

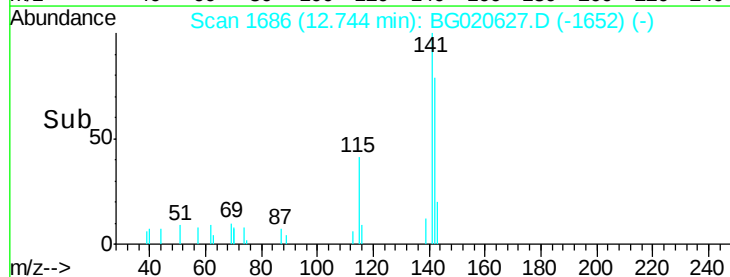
4000

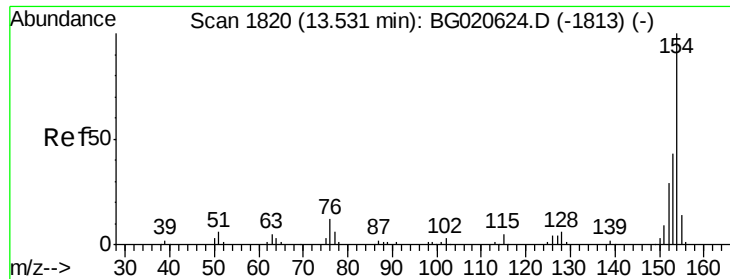
2000

0

12.70 12.74 12.80

Time-->

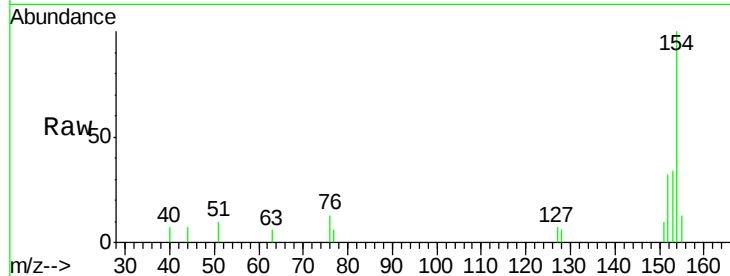




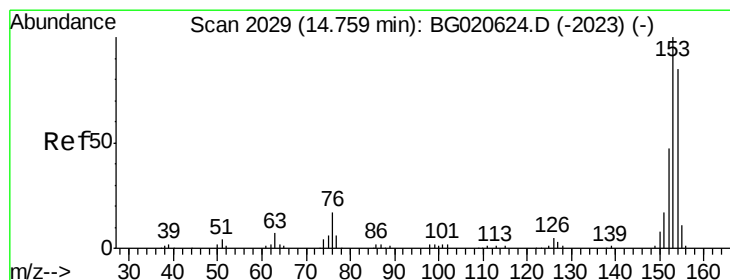
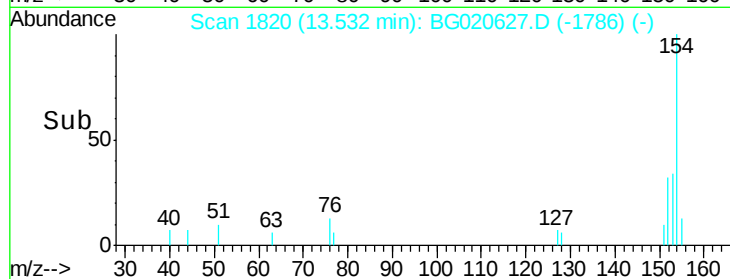
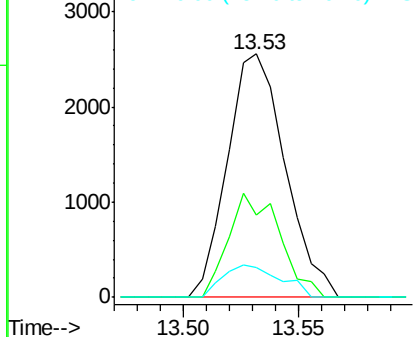
#41
 1,1'-Biphenyl
 Concen: 1.18 ng/ul
 RT: 13.53 min Scan# 1820
 Delta R.T. 0.00 min
 Lab File: BG020627.D
 Acq: 31 Dec 2015 3:39

Instrument :
 BNA_G
 ClientSampleId :
 D9N54DL

Tgt Ion:154 Resp: 4453
 Ion Ratio Lower Upper
 154 100
 153 33.9 34.0 51.0#
 76 12.5 8.4 12.6

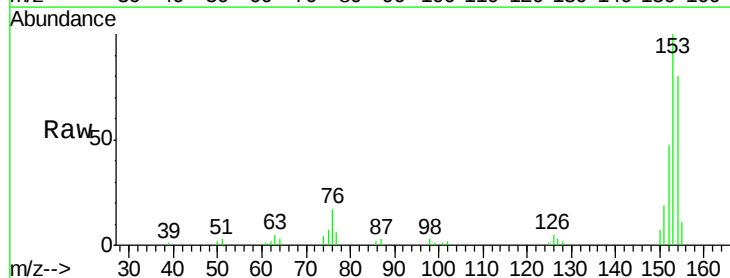


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BGC

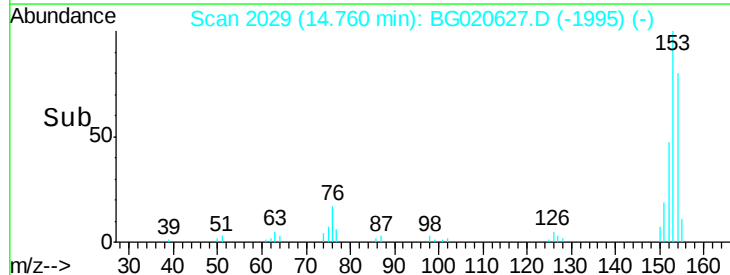
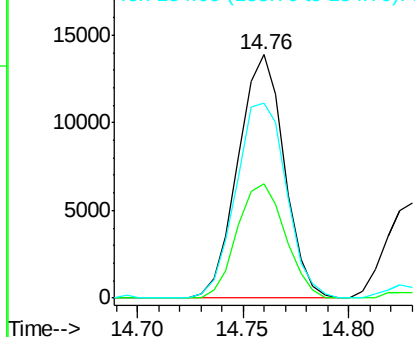


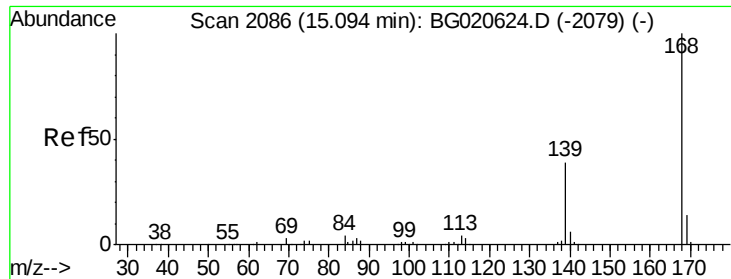
#50
 Acenaphthene
 Concen: 6.30 ng/ul
 RT: 14.76 min Scan# 2029
 Delta R.T. 0.00 min
 Lab File: BG020627.D
 Acq: 31 Dec 2015 3:39

Tgt Ion:153 Resp: 21100
 Ion Ratio Lower Upper
 153 100
 152 46.8 37.9 56.9
 154 80.1 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





#54

Dibenzenofuran

Concen: 3.53 ng/ul

RT: 15.09 min Scan# 2086

Delta R.T. 0.00 min

Lab File: BG020627.D

Acq: 31 Dec 2015 3:39

Instrument :

BNA_G

ClientSampleId :

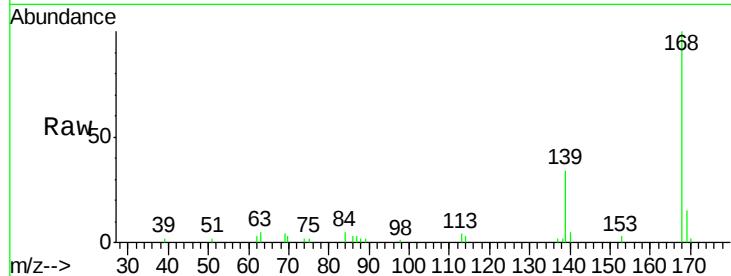
D9N54DL

Tgt Ion:168 Resp: 17863

Ion Ratio Lower Upper

168 100

139 33.9 31.0 46.4



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

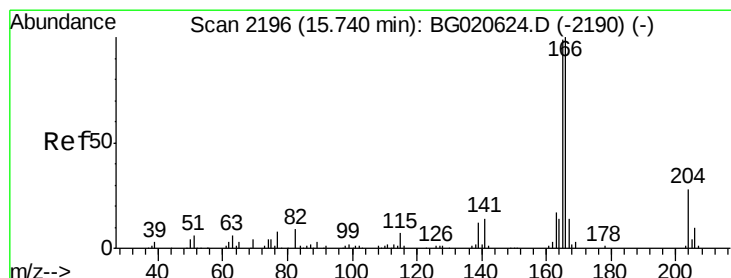
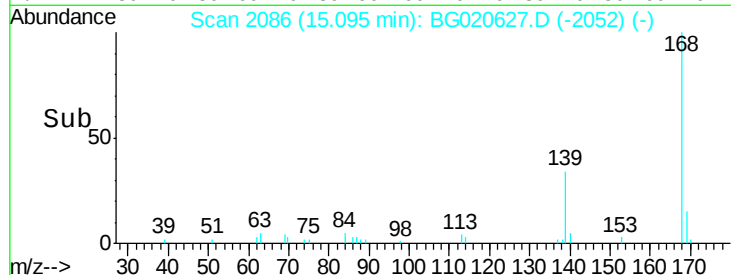
15.09

10000

5000

0

Time-->



#59

Fluorene

Concen: 3.21 ng/ul

RT: 15.74 min Scan# 2196

Delta R.T. 0.00 min

Lab File: BG020627.D

Acq: 31 Dec 2015 3:39

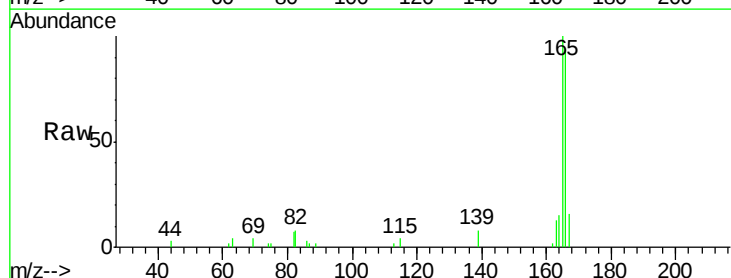
Tgt Ion:166 Resp: 13059

Ion Ratio Lower Upper

166 100

165 105.9 78.4 117.6

167 16.7 11.1 16.7



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

15.74

12000

10000

8000

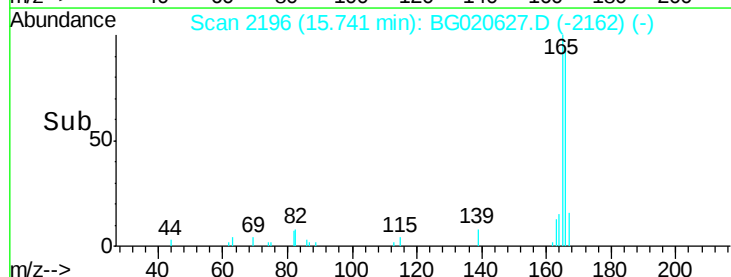
6000

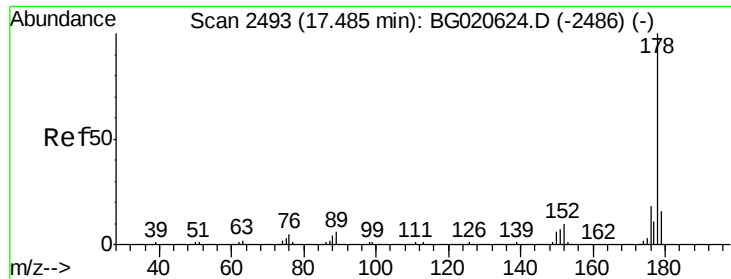
4000

2000

0

Time-->





#70

Phenanthrene

Concen: 3.72 ng/ul

RT: 17.49 min Scan# 2493

Delta R.T. 0.00 min

Lab File: BG020627.D

Acq: 31 Dec 2015 3:39

Instrument :

BNA_G

ClientSampleId :

D9N54DL

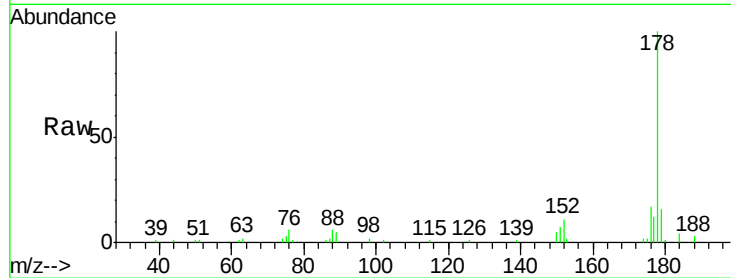
Tgt Ion:178 Resp: 26755

Ion Ratio Lower Upper

178 100

179 16.0 12.3 18.5

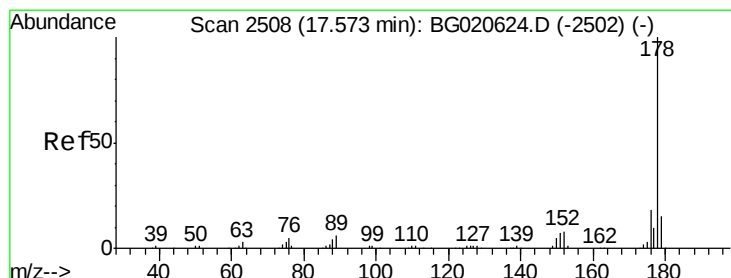
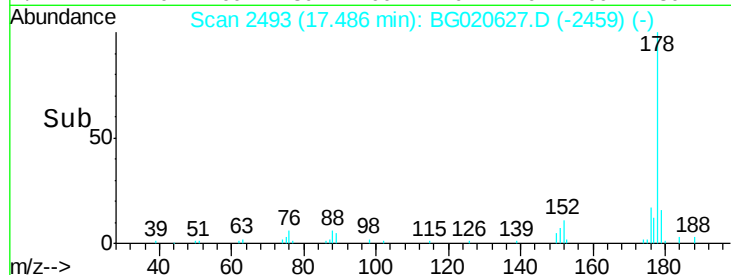
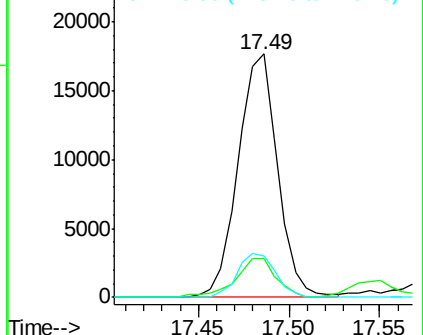
176 16.8 15.4 23.0



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: 3.63 ng/ul

RT: 17.49 min Scan# 2493

Delta R.T. -0.09 min

Lab File: BG020627.D

Acq: 31 Dec 2015 3:39

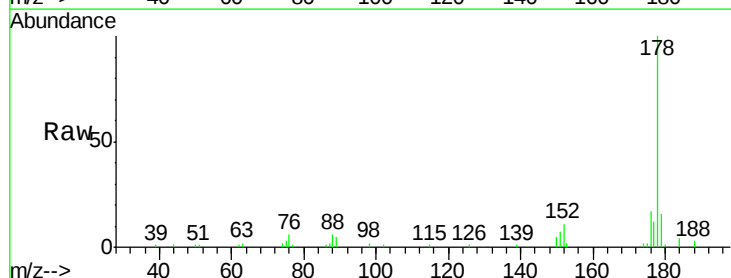
Tgt Ion:178 Resp: 26755

Ion Ratio Lower Upper

178 100

179 16.0 13.4 20.2

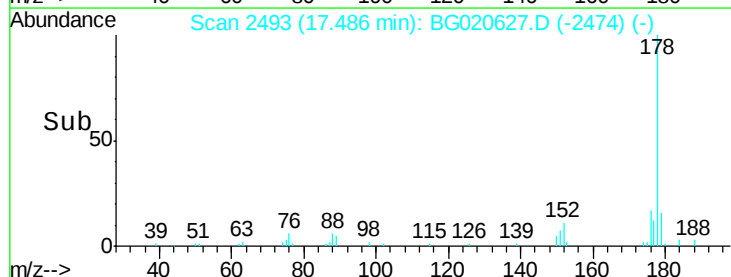
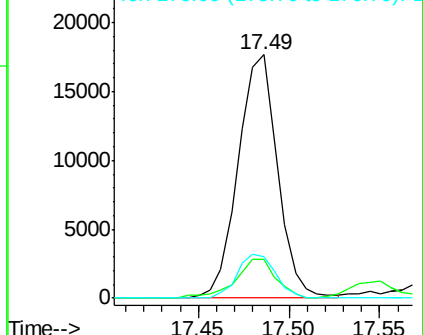
176 16.8 15.4 23.0

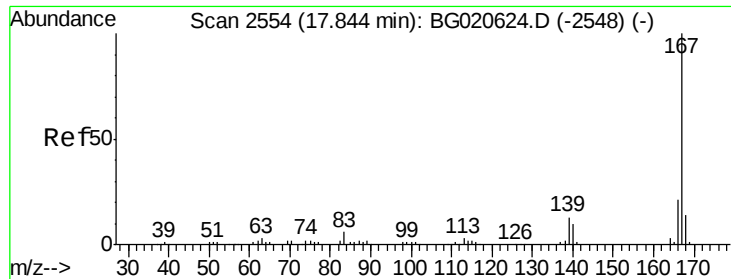


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

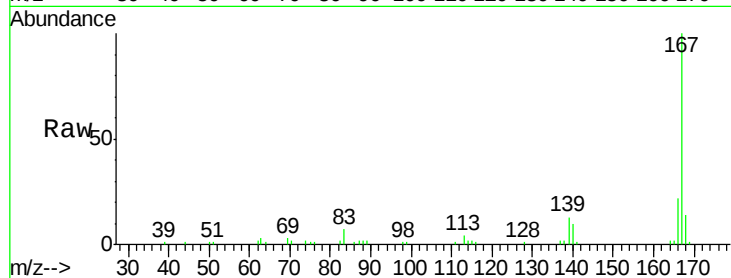




#75
 Carbazole
 Concen: 5.00 ng/ul
 RT: 17.84 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: BG020627.D
 Acq: 31 Dec 2015 3:39

Instrument :
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Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.0	25.4
139	12.7	9.1	13.7



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

