

Data Path : Z:\HPCHEM1\BNA G\DATA\BG110915\
 Data File : BG019538.D
 Acq On : 9 Nov 2015 18:26
 Operator : UM/NP
 Sample : G4245-16DL3 100X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BCY51DL2

Quant Time: Nov 10 00:18:02 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG102815.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Nov 10 00:14:14 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	27809	20.00	ng/ul	0.00
18) Naphthalene-d8	11.00	136	117101	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.81	164	100412	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.54	188	297439	20.00	ng/ul	0.00
78) Chrysene-d12	21.83	240	409901	20.00	ng/ul	0.00
86) Perylene-d12	25.18	264	388311	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	7.32	99	176	0.07	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.48	67	847	0.52	ng/ul	0.00
9) 2-Chlorophenol-d4	7.70	132	410	0.26	ng/ul	0.00
13) 4-Methylphenol-d8	8.87	113	62	0.03	ng/ul	0.00
19) Nitrobenzene-d5	9.35	128	316	0.37	ng/ul	0.00
22) 2-Nitrophenol-d4	10.07	143	263	0.26	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.61	165	456	0.21	ng/ul	0.00
29) 4-Chloroaniline-d4	11.13	131	82	0.04	ng/ul	0.00
44) Dimethylphthalate-d6	14.19	166	3660	0.44	ng/ul	0.00
47) Acenaphthylene-d8	14.50	160	3809	0.42	ng/ul	0.00
52) 4-Nitrophenol-d4	0.00	143	0	0.00	ng/ul	
58) Fluorene-d10	15.79	176	3090	0.40	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	0.00	200	0	0.00	ng/ul	
71) Anthracene-d10	17.64	188	6248	0.46	ng/ul	0.00
79) Pyrene-d10	19.92	212	6509	0.36	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.94	264	2976	0.15	ng/ul	0.00

Target Compounds

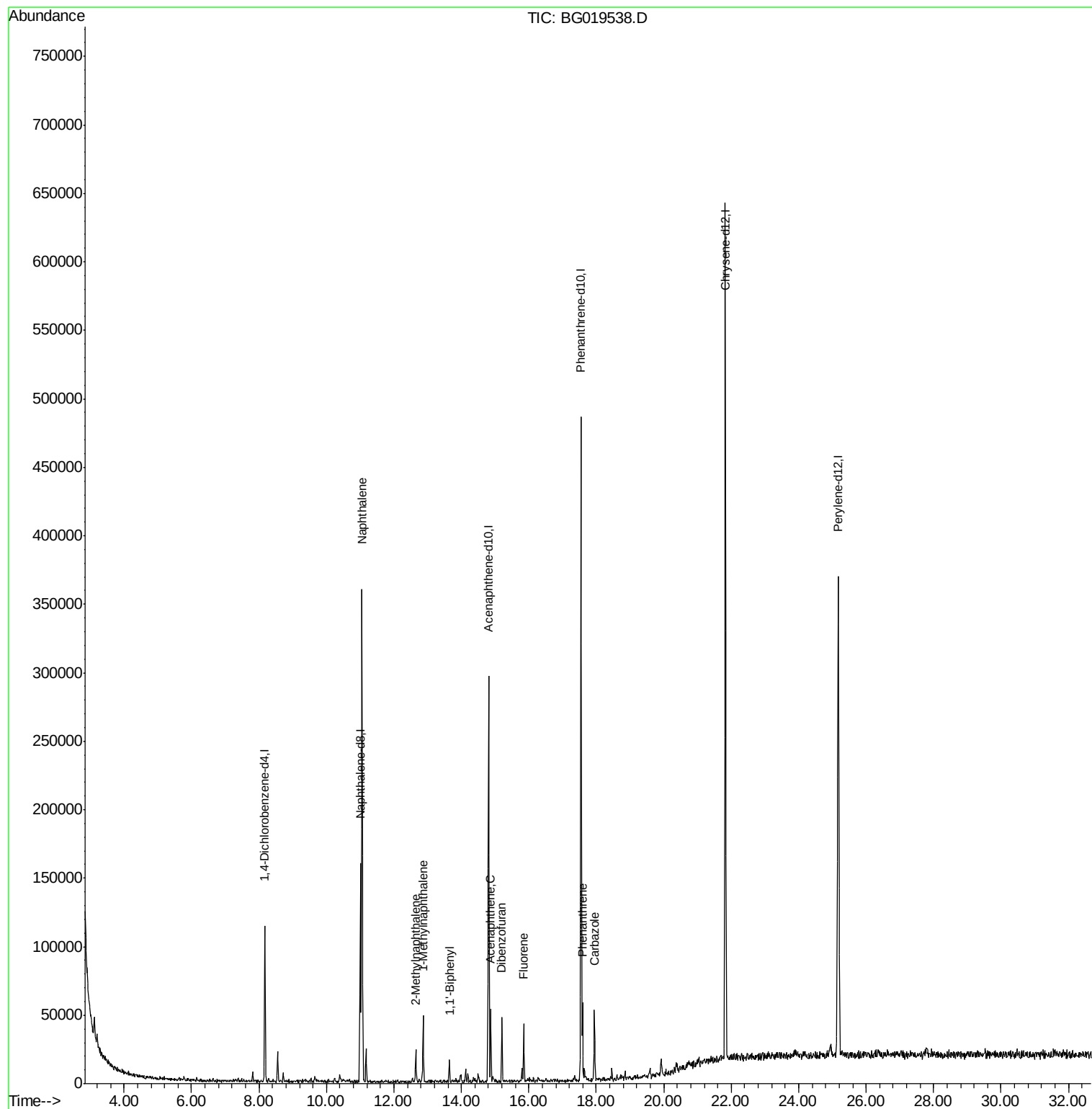
						Ovalue
28) Naphthalene	11.06	128	276129	47.13	ng/ul	97
34) 2-Methylnaphthalene	12.65	142	9702	2.06	ng/ul	88
35) 1-Methylnaphthalene	12.86	142	19956	4.48	ng/ul#	90
41) 1,1'-Biphenyl	13.64	154	7753	1.09	ng/ul#	88
50) Acenaphthene	14.87	153	20462	3.23	ng/ul	98
54) Dibenzofuran	15.20	168	26886	2.88	ng/ul	95
59) Fluorene	15.85	166	16803	2.06	ng/ul	92
70) Phenanthrene	17.59	178	33174	2.21	ng/ul#	95
75) Carbazole	17.94	167	29560	2.42	ng/ul#	93

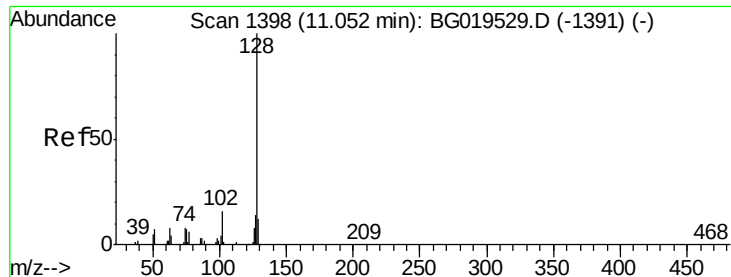
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#28

Naphthalene

Concen: 47.13 ng/ul

RT: 11.06 min Scan# 1399

Delta R.T. 0.00 min

Lab File: BG019538.D

Acq: 9 Nov 2015 18:26

Instrument :

BNA_G

ClientSampleId :

BCY51DL2

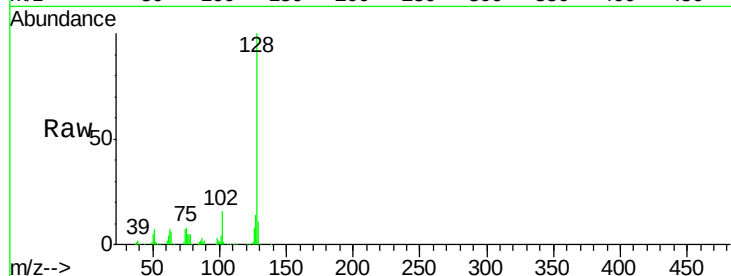
Tot Ion:128 Resp: 276129

Ion Ratio Lower Upper

128 100

129 10.8 8.9 13.3

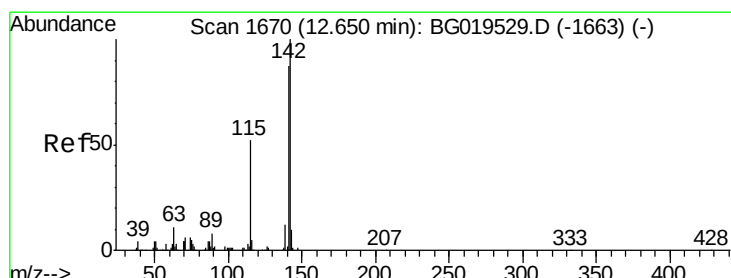
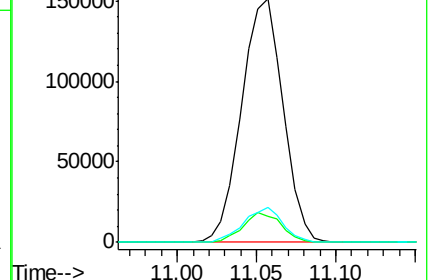
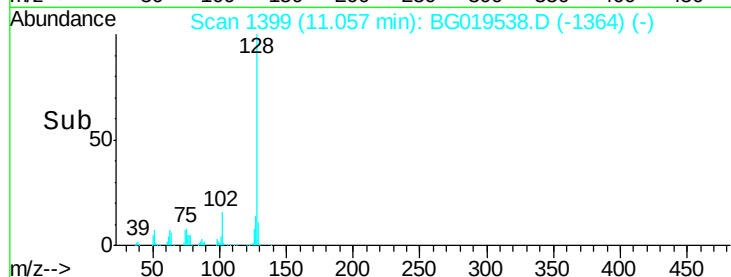
127 14.1 13.1 19.7



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: 2.06 ng/ul

RT: 12.65 min Scan# 1670

Delta R.T. -0.00 min

Lab File: BG019538.D

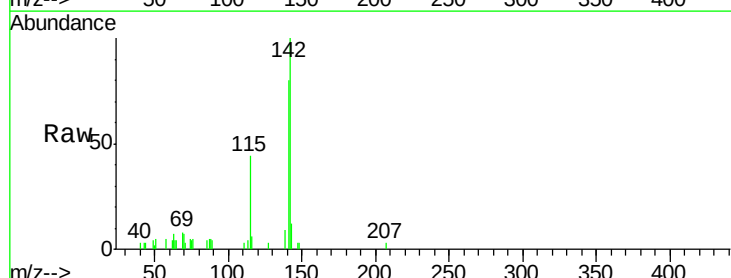
Acq: 9 Nov 2015 18:26

Tgt Ion:142 Resp: 9702

Ion Ratio Lower Upper

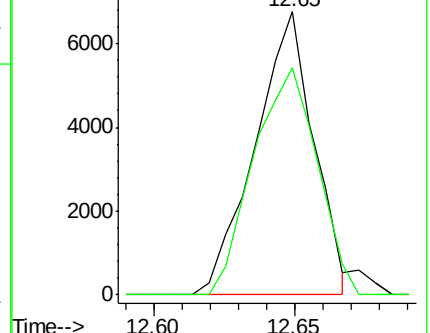
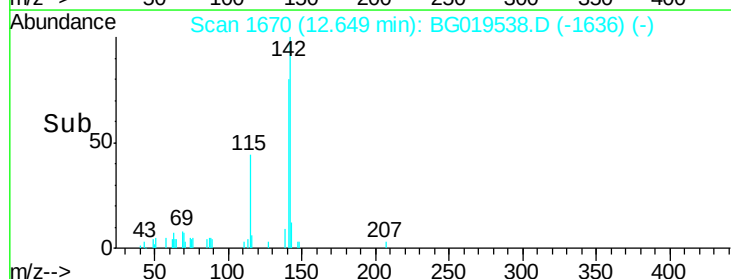
142 100

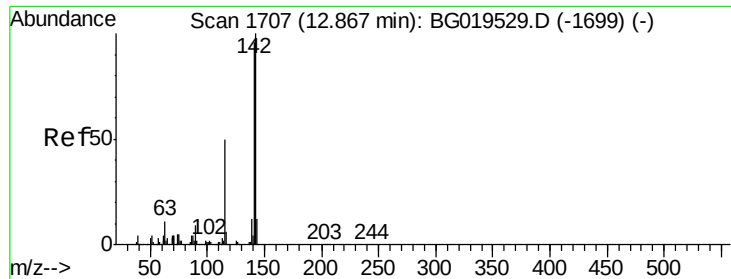
141 80.4 73.4 110.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#35

1-Methylnaphthalene

Concen: 4.48 ng/ul

RT: 12.86 min Scan# 1706

Delta R.T. -0.01 min

Lab File: BG019538.D

Acq: 9 Nov 2015 18:26

Instrument :

BNA_G

ClientSampleId :

BCY51DL2

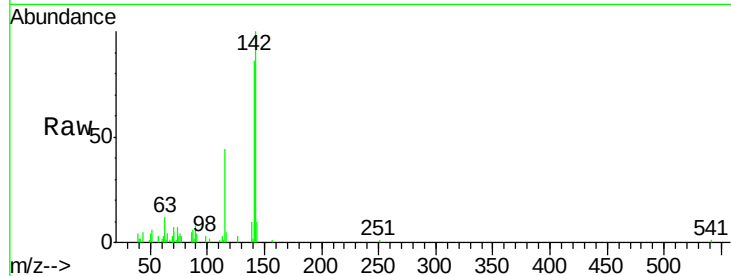
Tot Ion:142 Resp: 19956

Ion Ratio Lower Upper

142 100

141 86.0 76.5 114.7

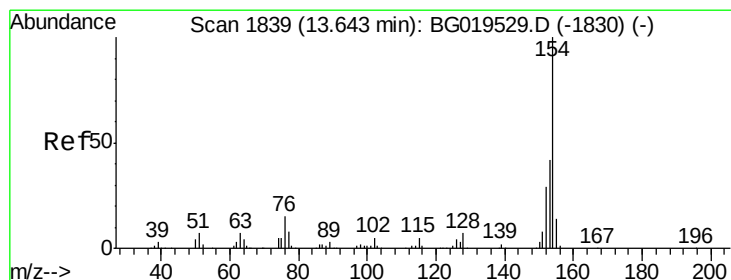
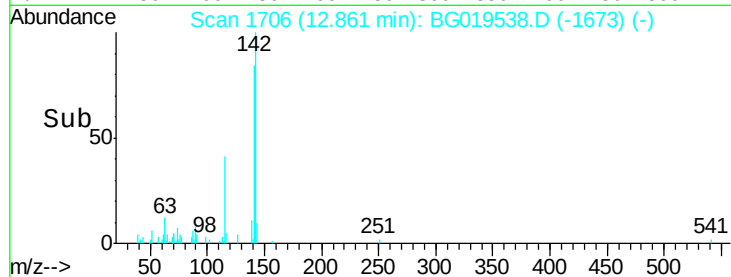
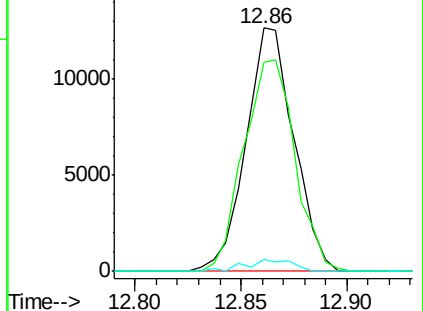
116 4.8 5.4 8.0#



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: 1.09 ng/ul

RT: 13.64 min Scan# 1839

Delta R.T. -0.00 min

Lab File: BG019538.D

Acq: 9 Nov 2015 18:26

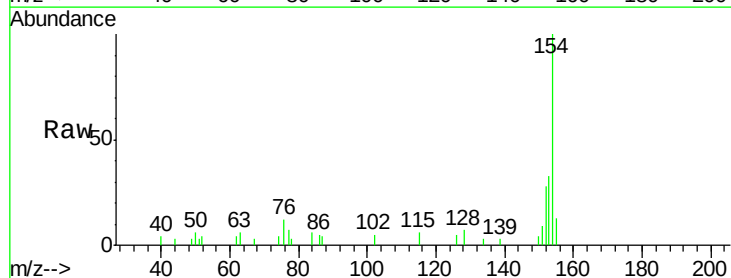
Tgt Ion:154 Resp: 7753

Ion Ratio Lower Upper

154 100

153 32.7 32.8 49.2#

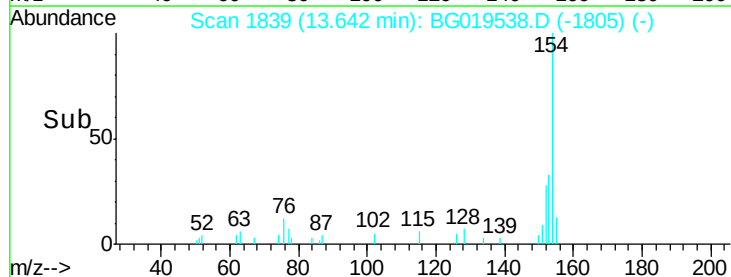
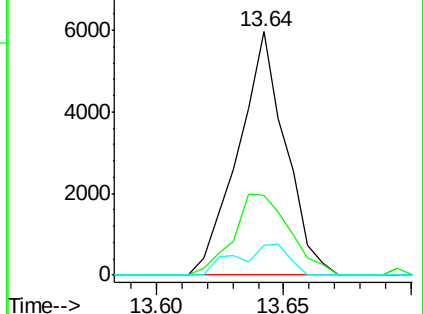
76 12.1 7.7 11.5#

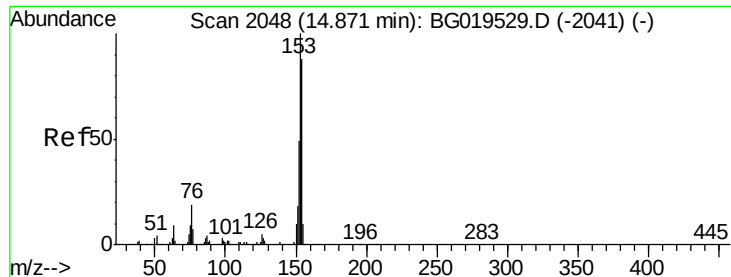


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BG





#50

Acenaphthene

Concen: 3.23 ng/ul

RT: 14.87 min Scan# 2048

Delta R.T. -0.00 min

Lab File: BG019538.D

Acq: 9 Nov 2015 18:26

Instrument :

BNA_G

ClientSampleId :

BCY51DL2

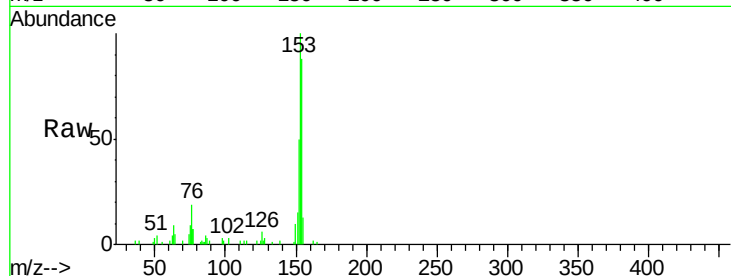
Tot Ion:153 Resp: 20462

Ion Ratio Lower Upper

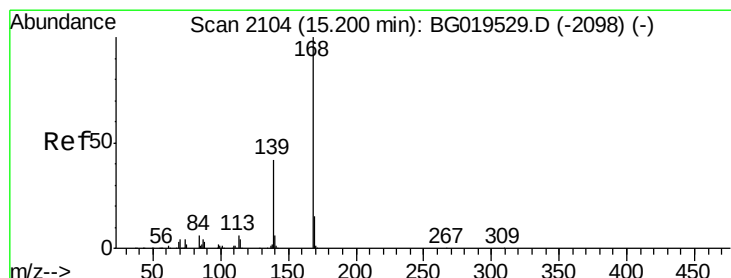
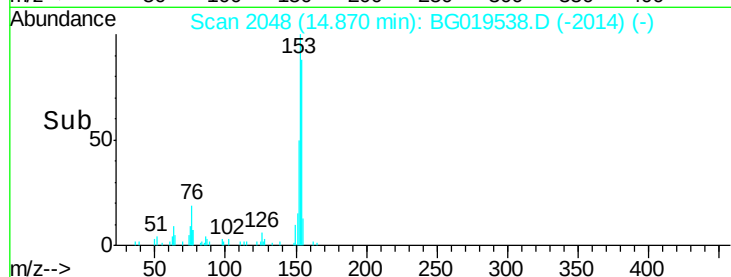
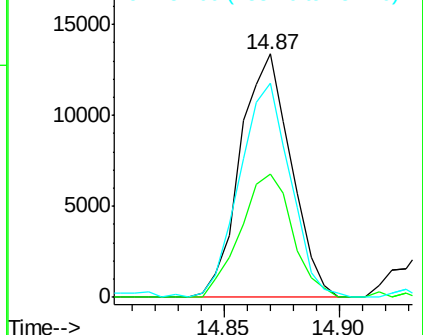
153 100

152 50.4 38.8 58.2

154 87.9 71.5 107.3



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: 2.88 ng/ul

RT: 15.20 min Scan# 2104

Delta R.T. -0.00 min

Lab File: BG019538.D

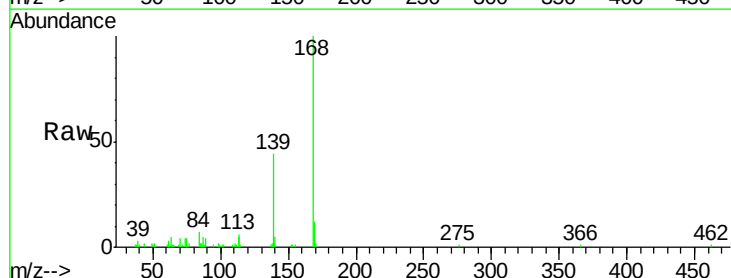
Acq: 9 Nov 2015 18:26

Tgt Ion:168 Resp: 26886

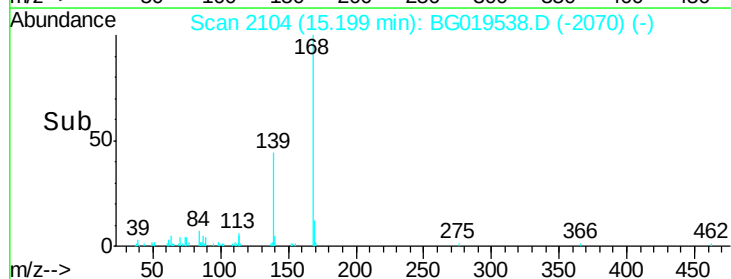
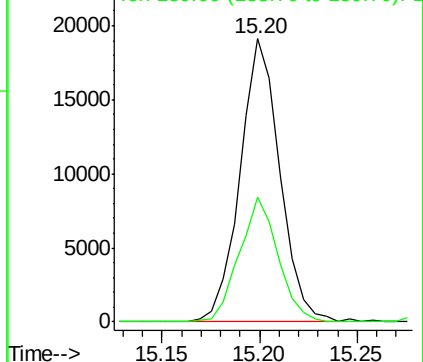
Ion Ratio Lower Upper

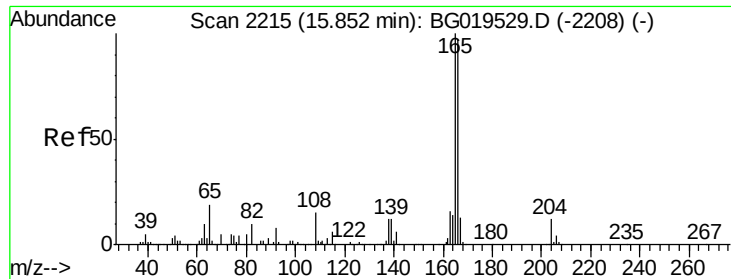
168 100

139 43.9 32.4 48.6



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E





#59

Fluorene

Concen: 2.06 ng/ul

RT: 15.85 min Scan# 2214

Delta R.T. -0.01 min

Lab File: BG019538.D

Acq: 9 Nov 2015 18:26

Instrument :

BNA_G

ClientSampleId :

BCY51DL2

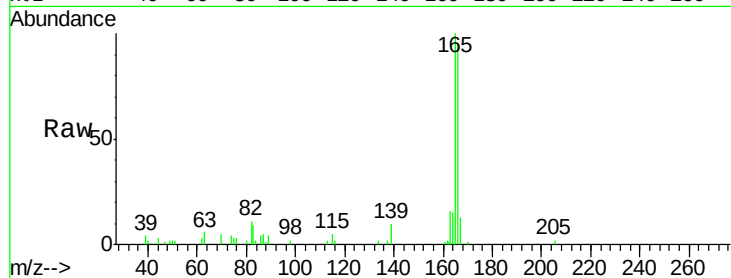
Tot Ion:166 Resp: 16803

Ion Ratio Lower Upper

166 100

165 105.1 77.6 116.4

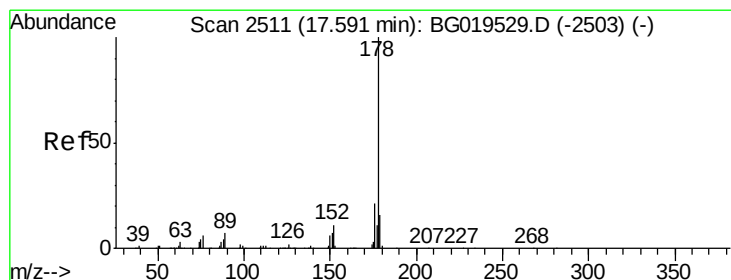
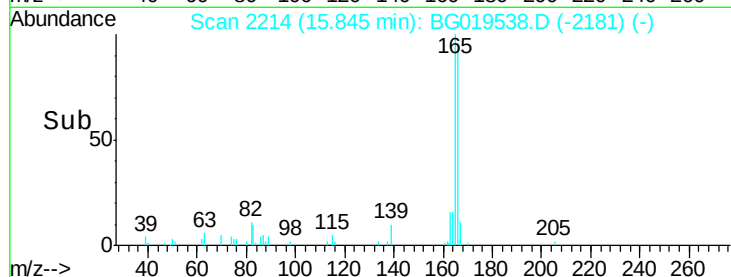
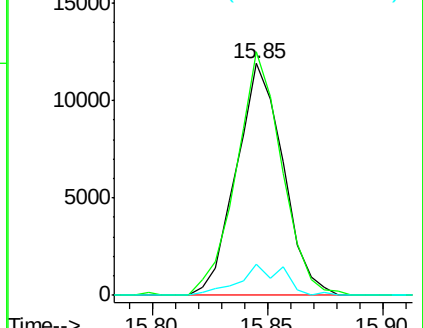
167 13.2 9.6 14.4



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: 2.21 ng/ul

RT: 17.59 min Scan# 2511

Delta R.T. -0.00 min

Lab File: BG019538.D

Acq: 9 Nov 2015 18:26

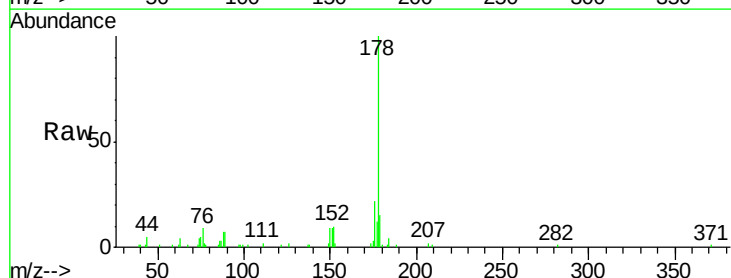
Tgt Ion:178 Resp: 33174

Ion Ratio Lower Upper

178 100

179 15.4 12.6 18.8

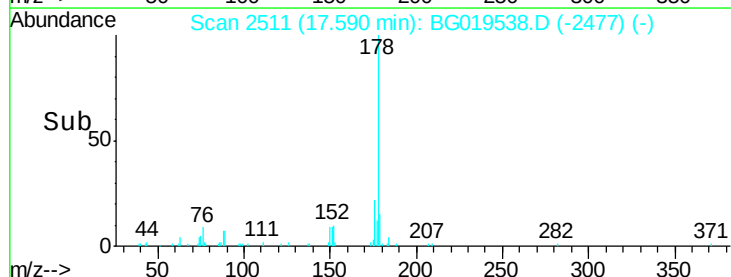
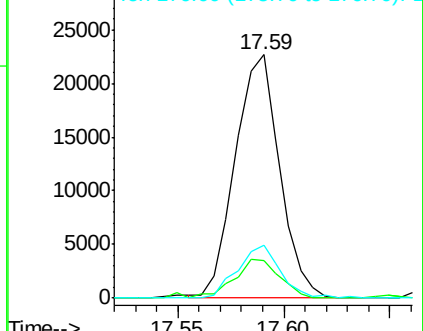
176 21.8 14.3 21.5#

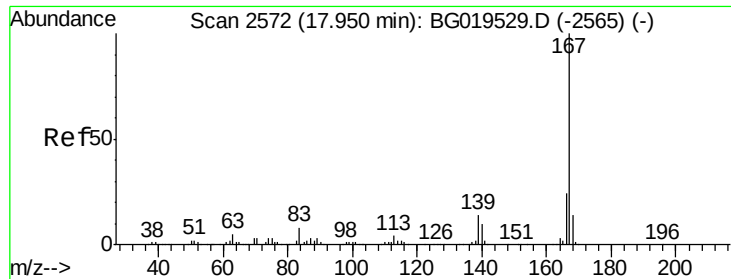


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#75
 Carbazole
 Concen: 2.42 ng/ul
 RT: 17.94 min Scan# 2571
 Delta R.T. -0.01 min
 Lab File: BG019538.D
 Acq: 9 Nov 2015 18:26

Instrument :
 BNA_G
 ClientSampleId :
 BCY51DL2

Tot Ion:167 Resp: 29560
 Ion Ratio Lower Upper
 167 100
 166 24.0 16.8 25.2
 139 15.5 9.8 14.6#

