

Data Path : Z:\HPCHEM1\BNA G\DATA\BG110915\
 Data File : BG019530.D
 Acq On : 9 Nov 2015 13:20
 Operator : UM/NP
 Sample : G4245-15DL 10X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BCY50DL

Quant Time: Nov 10 00:16:30 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	30495	20.00	ng/ul	0.00
18) Naphthalene-d8	11.01	136	125366	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.81	164	103361	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.55	188	290321	20.00	ng/ul	0.00
78) Chrysene-d12	21.83	240	380163	20.00	ng/ul	0.00
86) Perylene-d12	25.18	264	359970	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.48	96	75	0.12	ng/uL	0.00
5) Phenol-d5	7.32	99	1305	0.47	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.48	67	6208	3.50	ng/ul	0.00
9) 2-Chlorophenol-d4	7.69	132	4127	2.36	ng/ul	0.00
13) 4-Methylphenol-d8	8.88	113	3211	1.44	ng/ul	0.00
19) Nitrobenzene-d5	9.34	128	2019	2.19	ng/ul	0.00
22) 2-Nitrophenol-d4	10.07	143	2974	2.72	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.61	165	6111	2.58	ng/ul	0.00
29) 4-Chloroaniline-d4	11.14	131	556	0.23	ng/ul	0.00
44) Dimethylphthalate-d6	14.20	166	30845	3.62	ng/ul	0.00
47) Acenaphthylene-d8	14.50	160	31425	3.33	ng/ul	0.00
52) 4-Nitrophenol-d4	15.00	143	432	0.32	ng/ul	0.00
58) Fluorene-d10	15.80	176	27834	3.53	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.90	200	2841	1.51	ng/ul	0.00
71) Anthracene-d10	17.65	188	45248	3.42	ng/ul	0.00
79) Pyrene-d10	19.92	212	54287	3.26	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.94	264	61641	3.41	ng/ul	0.00

Target Compounds

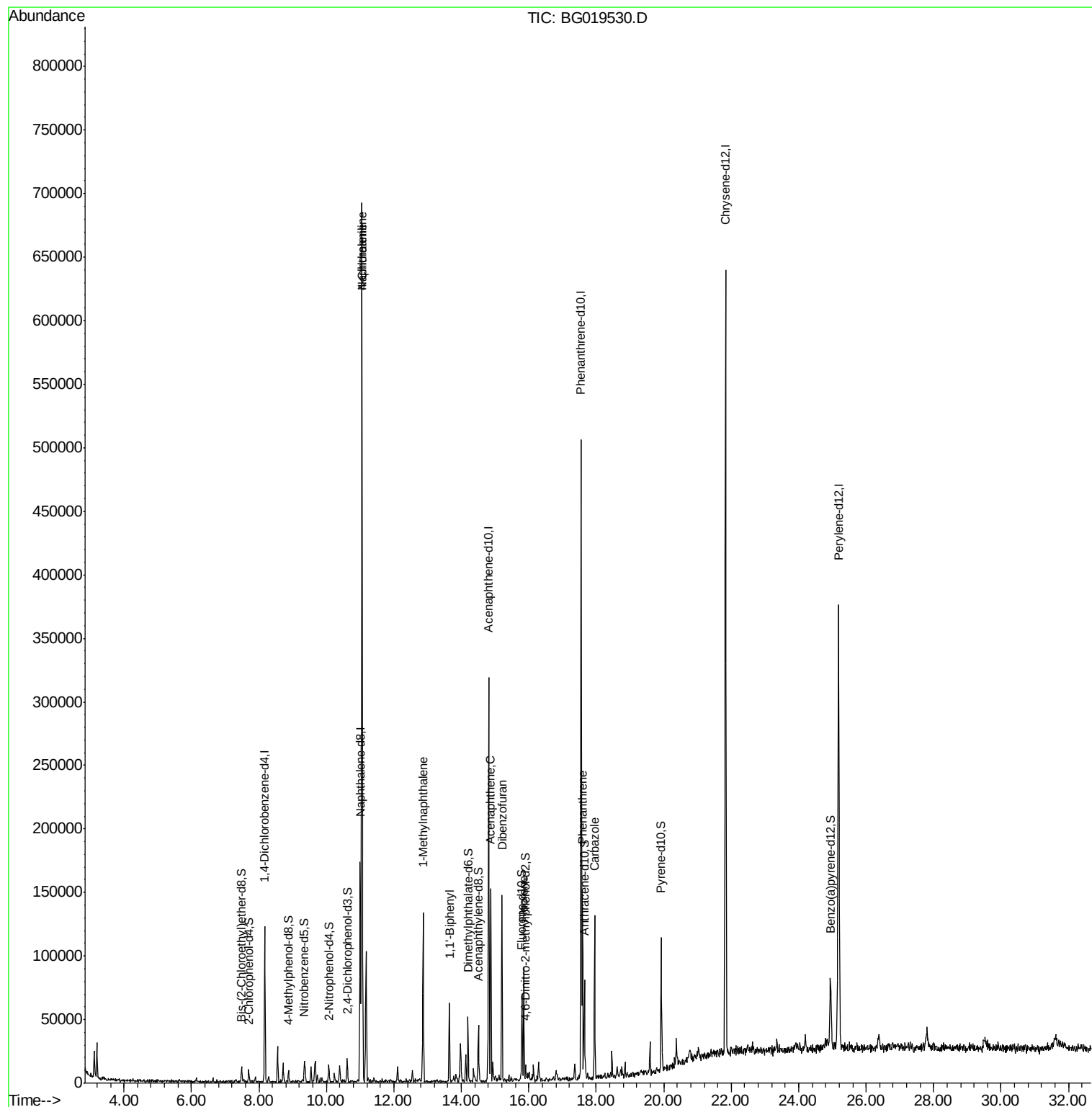
						Ovalue
28) Naphthalene	11.06	128	504927	80.50	ng/ul	98
30) 4-Chloroaniline	11.06	127	71646	28.47	ng/ul#	19
35) 1-Methylnaphthalene	12.86	142	53847	11.29	ng/ul	91
41) 1,1'-Biphenyl	13.65	154	30332	4.15	ng/ul#	87
50) Acenaphthene	14.87	153	61114	9.36	ng/ul	96
54) Dibenzofuran	15.20	168	86700	9.02	ng/ul	94
59) Fluorene	15.85	166	33586	4.00	ng/ul#	97
70) Phenanthrene	17.59	178	89169	6.09	ng/ul#	93
75) Carbazole	17.95	167	78397	6.58	ng/ul	95

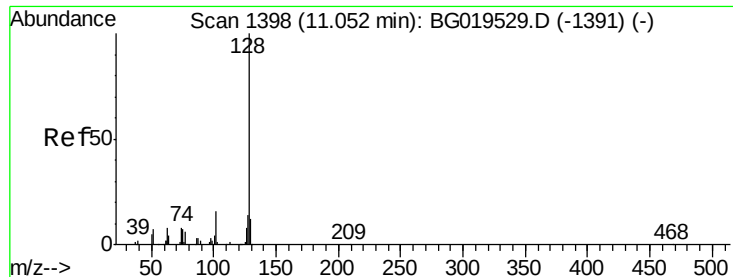
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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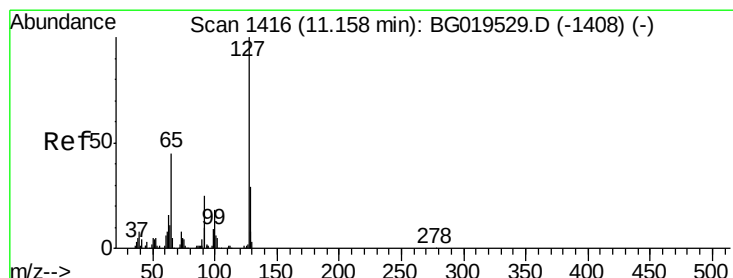
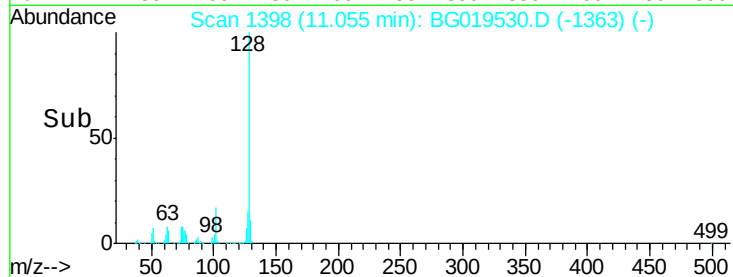
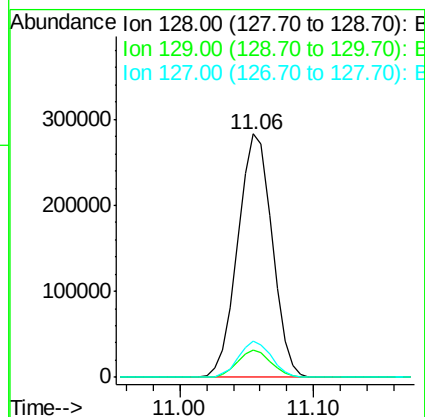
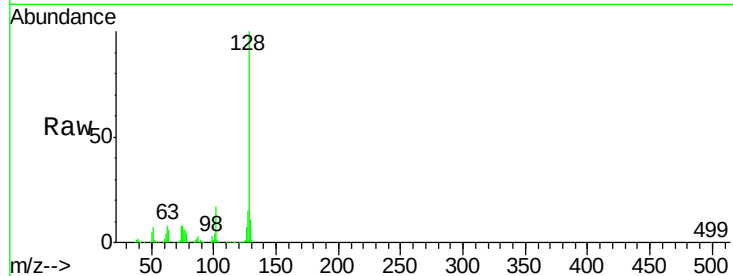




#28
Naphthalene
Concen: 80.50 ng/ul
RT: 11.06 min Scan# 1398
Delta R.T. 0.00 min
Lab File: BG019530.D
Acq: 9 Nov 2015 13:20

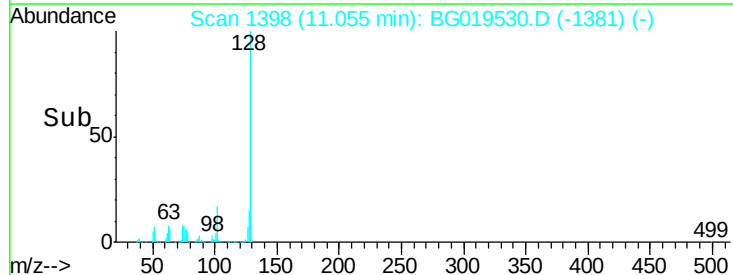
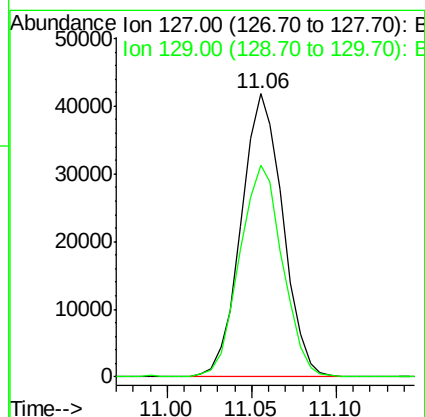
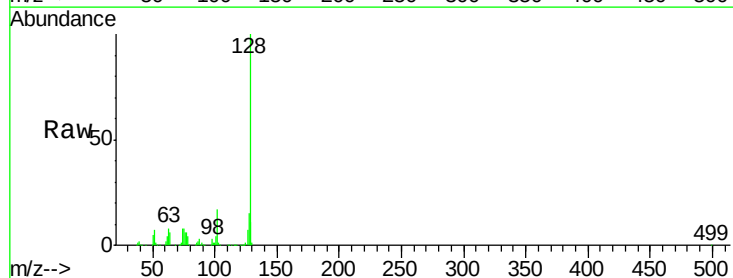
Instrument :
BNA_G
ClientSampleId :
BCY50DL

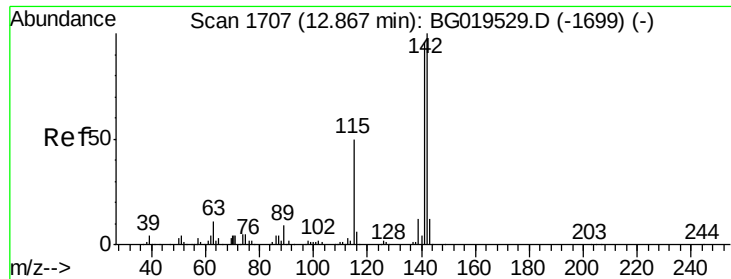
Tot Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.9	13.3
127	14.8	13.1	19.7



#30
4-Chloroaniline
Concen: 28.47 ng/ul
RT: 11.06 min Scan# 1398
Delta R.T. -0.10 min
Lab File: BG019530.D
Acq: 9 Nov 2015 13:20

Tgt Ion	Ratio	Lower	Upper
127	100		
129	75.0	24.6	36.8

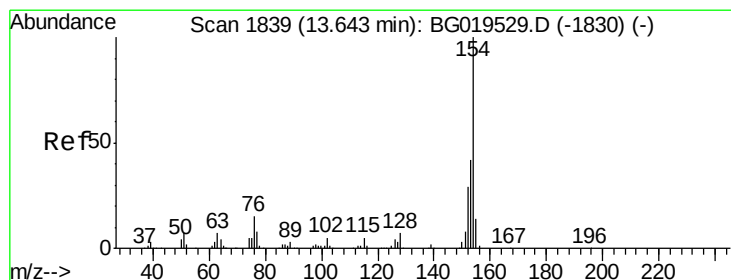
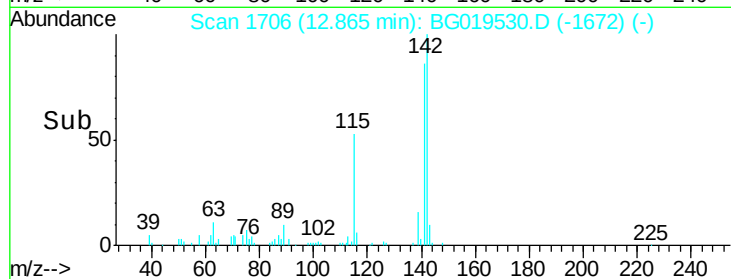
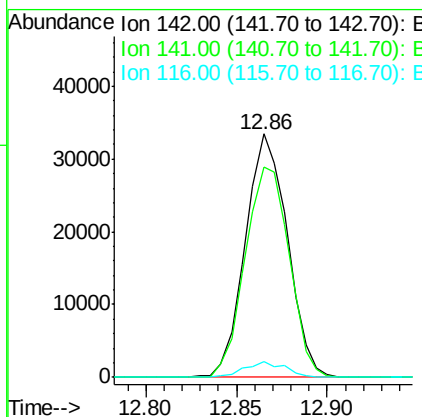
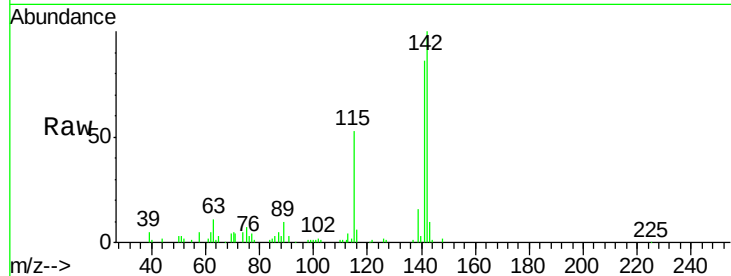




#35
 1-Methylnaphthalene
 Concen: 11.29 ng/ul
 RT: 12.86 min Scan# 1706
 Delta R.T. -0.00 min
 Lab File: BG019530.D
 Acq: 9 Nov 2015 13:20

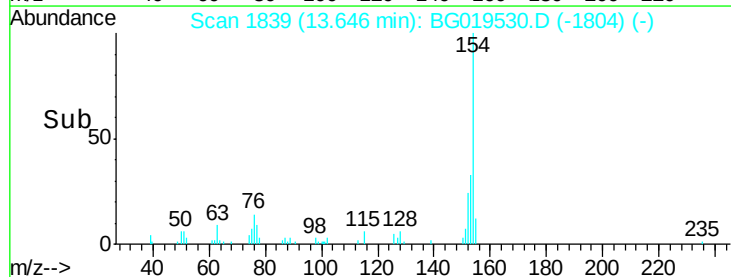
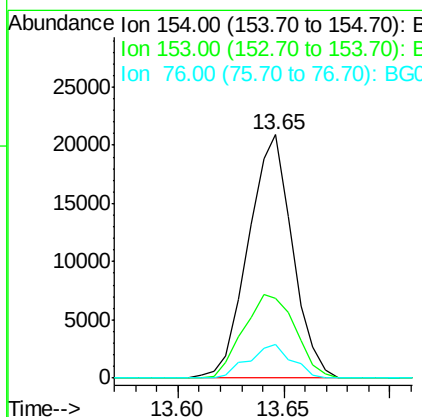
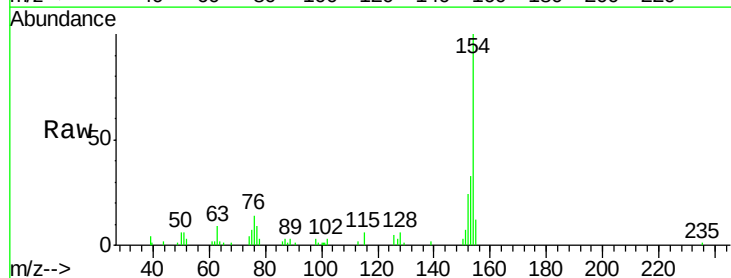
Instrument :
 BNA_G
 ClientSampleId :
 BCY50DL

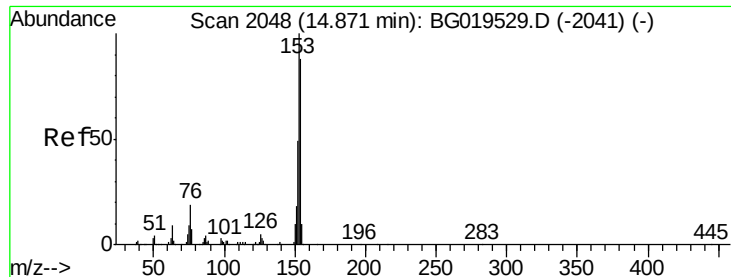
Tot Ion:142 Resp: 53847
 Ion Ratio Lower Upper
 142 100
 141 86.3 76.5 114.7
 116 6.4 5.4 8.0



#41
 1,1'-Biphenyl
 Concen: 4.15 ng/ul
 RT: 13.65 min Scan# 1839
 Delta R.T. 0.00 min
 Lab File: BG019530.D
 Acq: 9 Nov 2015 13:20

Tgt Ion:154 Resp: 30332
 Ion Ratio Lower Upper
 154 100
 153 33.0 32.8 49.2
 76 14.0 7.7 11.5#





#50

Acenaphthene

Concen: 9.36 ng/ul

RT: 14.87 min Scan# 2047

Delta R.T. -0.00 min

Lab File: BG019530.D

Acq: 9 Nov 2015 13:20

Instrument :

BNA_G

ClientSampleId :

BCY50DL

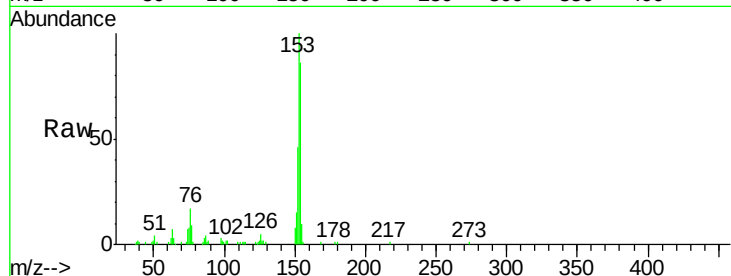
Tot Ion:153 Resp: 61114

Ion Ratio Lower Upper

153 100

152 46.3 38.8 58.2

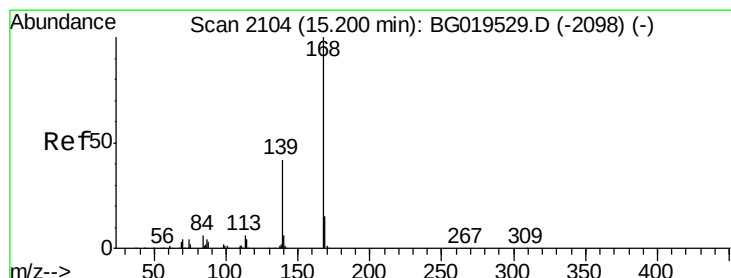
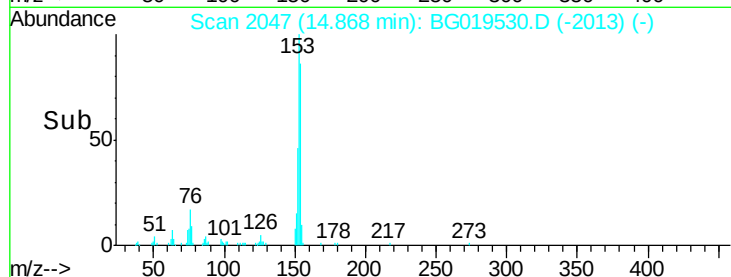
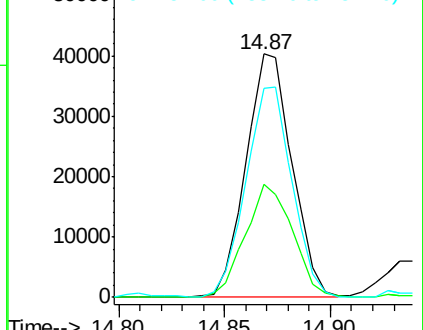
154 85.6 71.5 107.3



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: 9.02 ng/ul

RT: 15.20 min Scan# 2104

Delta R.T. 0.00 min

Lab File: BG019530.D

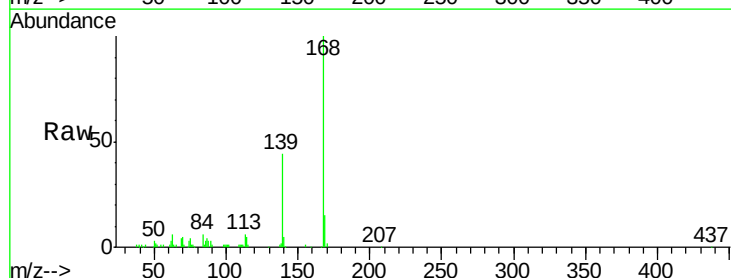
Acq: 9 Nov 2015 13:20

Tgt Ion:168 Resp: 86700

Ion Ratio Lower Upper

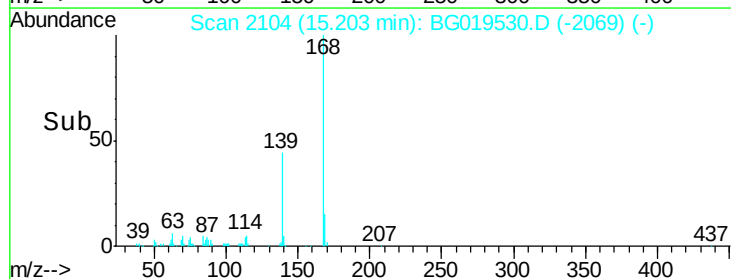
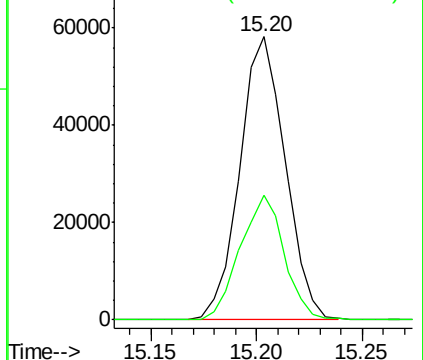
168 100

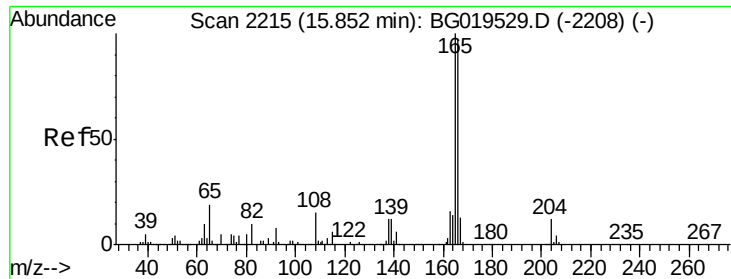
139 44.2 32.4 48.6



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#59

Fluorene

Concen: 4.00 ng/ul

RT: 15.85 min Scan# 2214

Delta R.T. -0.00 min

Lab File: BG019530.D

Acq: 9 Nov 2015 13:20

Instrument :

BNA_G

ClientSampleId :

BCY50DL

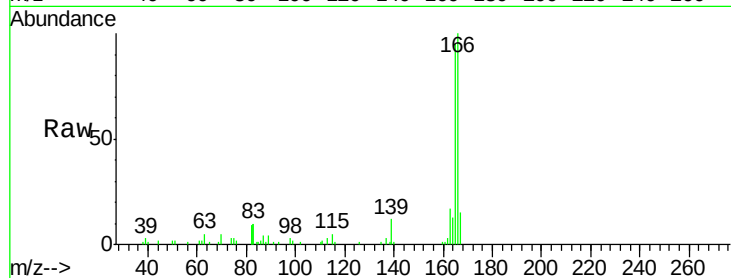
Tot Ion:166 Resp: 33586

Ion Ratio Lower Upper

166 100

165 95.1 77.6 116.4

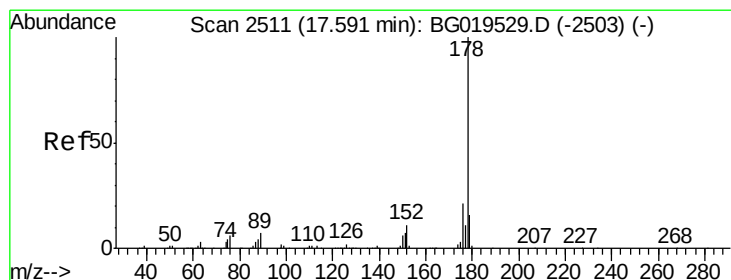
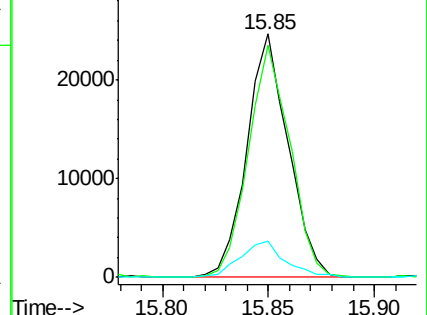
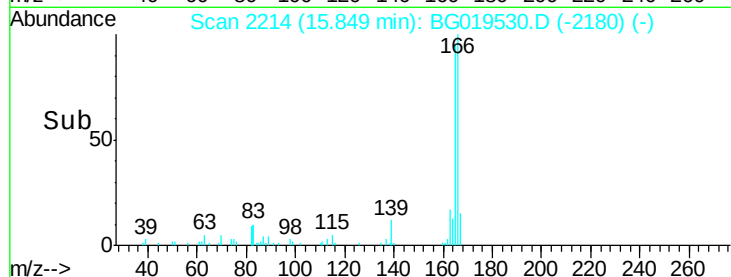
167 14.9 9.6 14.4#



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: 6.09 ng/ul

RT: 17.59 min Scan# 2510

Delta R.T. -0.00 min

Lab File: BG019530.D

Acq: 9 Nov 2015 13:20

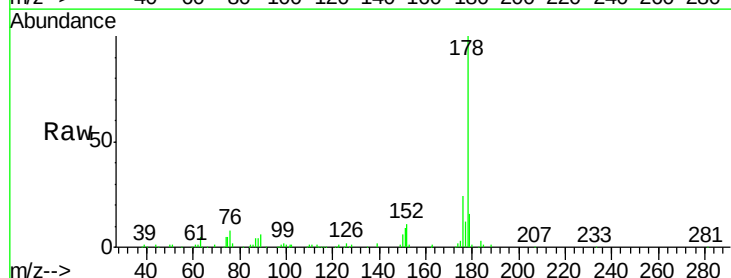
Tgt Ion:178 Resp: 89169

Ion Ratio Lower Upper

178 100

179 15.6 12.6 18.8

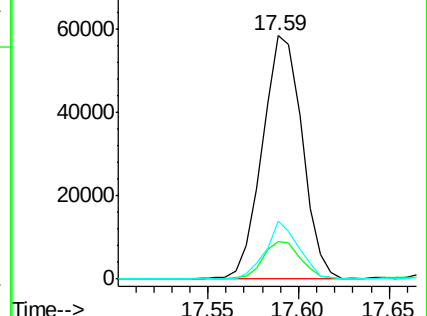
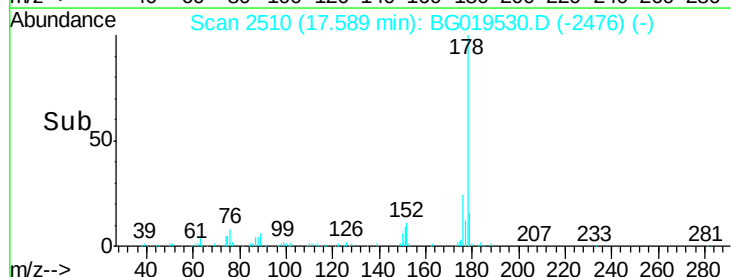
176 23.8 14.3 21.5#

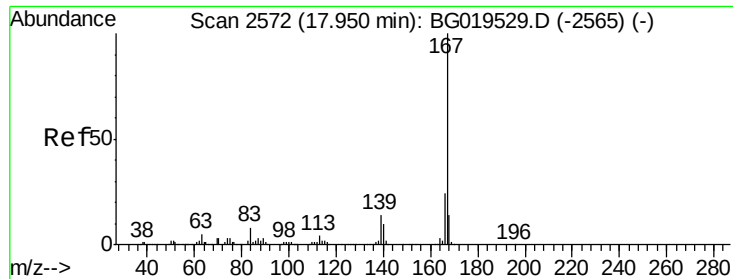


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

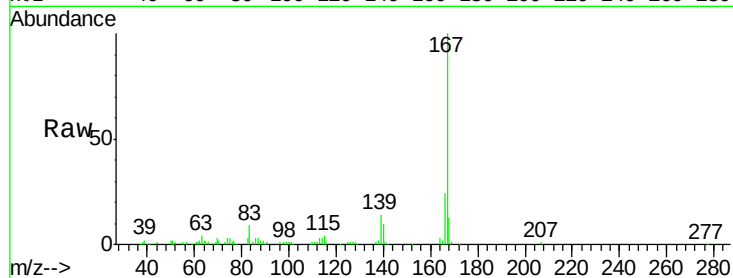




#75
 Carbazole
 Concen: 6.58 ng/ul
 RT: 17.95 min Scan# 2571
 Delta R.T. -0.00 min
 Lab File: BG019530.D
 Acq: 9 Nov 2015 13:20

Instrument :
 BNA_G
 ClientSampleId :
 BCY50DL

Tot Ion	Ratio	Lower	Upper
167	100		
166	23.8	16.8	25.2
139	13.8	9.8	14.6



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

