

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122115\
 Data File : BG020397.D
 Acq On : 22 Dec 2015 4:13
 Operator : UM/SJ
 Sample : G4768-22DL 30X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N46DL

Quant Time: Dec 22 06:46:56 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG121415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Dec 22 05:02:37 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.09	152	17842	20.00	ng/ul	0.00
18) Naphthalene-d8	10.91	136	75333	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.72	164	46257	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.47	188	114359	20.00	ng/ul	0.00
78) Chrysene-d12	21.74	240	142405	20.00	ng/ul	0.00
86) Perylene-d12	25.01	264	95610	20.00	ng/ul	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	7.26	99	173	0.11	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	7.42	67	926	0.99	ng/ul	0.00
9) 2-Chlorophenol-d4	7.62	132	529	0.46	ng/ul	0.00
13) 4-Methylphenol-d8	8.81	113	472	0.35	ng/ul	0.00
19) Nitrobenzene-d5	9.26	128	636	1.08	ng/ul	0.00
22) 2-Nitrophenol-d4	9.99	143	369	0.56	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.54	165	936	0.71	ng/ul	0.00
29) 4-Chloroaniline-d4	0.00	131	0	0.00	ng/ul	
44) Dimethylphthalate-d6	14.13	166	4187	1.12	ng/ul	0.00
47) Acenaphthylene-d8	14.42	160	5811	1.33	ng/ul	0.00
52) 4-Nitrophenol-d4	0.00	143	0	0.00	ng/ul	
58) Fluorene-d10	15.71	176	5155	1.52	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	0.00	200	0	0.00	ng/ul	
71) Anthracene-d10	17.57	188	9398	1.78	ng/ul	0.00
79) Pyrene-d10	19.85	212	8237	1.24	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.79	264	4118	0.86	ng/ul	0.00

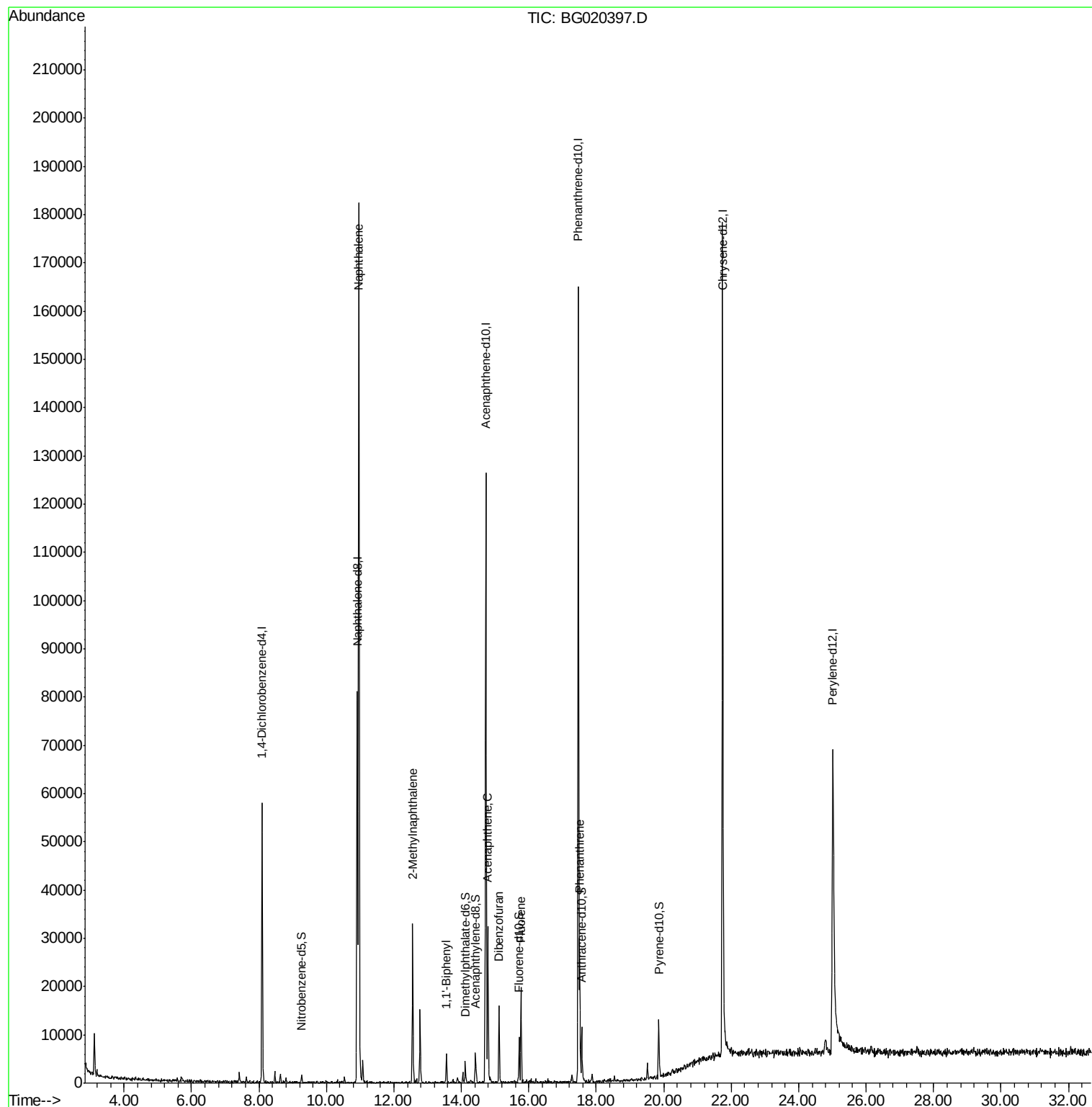
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
28) Naphthalene	10.96	128	164462	41.81	ng/ul	98
34) 2-Methylnaphthalene	12.56	142	16958	5.64	ng/ul	88
41) 1,1'-Biphenyl	13.56	154	3900	1.12	ng/ul	99
50) Acenaphthene	14.78	153	14922	4.80	ng/ul	96
54) Dibenzofuran	15.12	168	12055	2.60	ng/ul	98
59) Fluorene	15.77	166	10348	2.78	ng/ul	87
70) Phenanthrene	17.51	178	20854	3.33	ng/ul	97

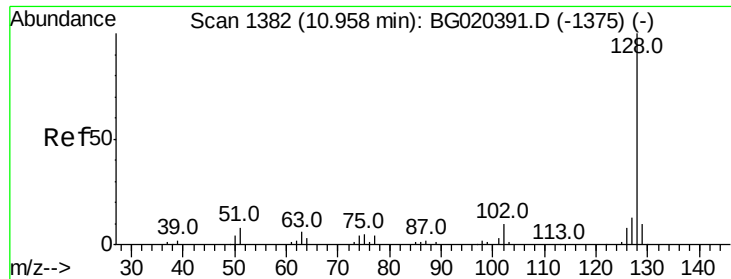
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#28

Naphthalene

Concen: 41.81 ng/ul

RT: 10.96 min Scan# 1382

Delta R.T. 0.00 min

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BNA_G

ClientSampleId :

D9N46DL

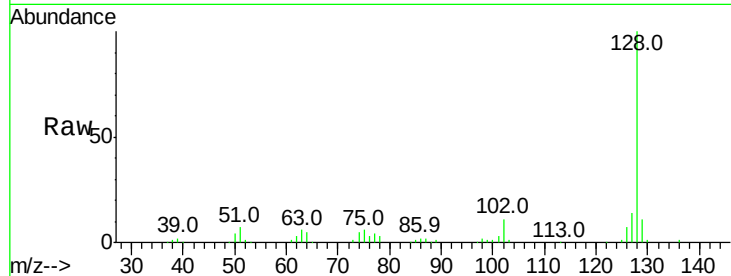
Tot Ion:128 Resp: 164462

Ion Ratio Lower Upper

128 100

129 11.5 8.6 12.8

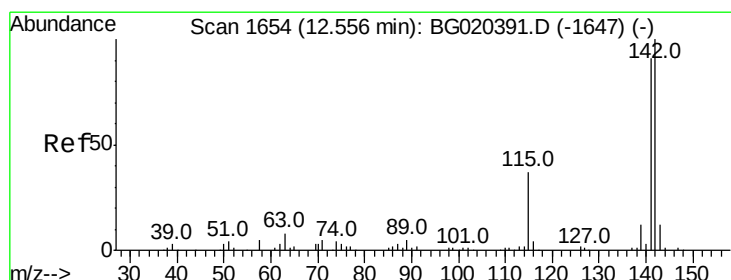
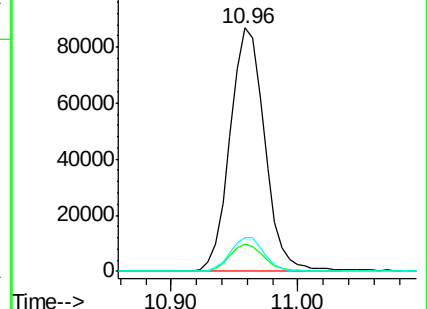
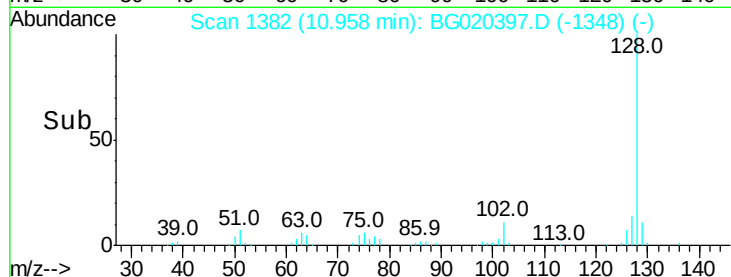
127 13.6 10.1 15.1



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: 5.64 ng/ul

RT: 12.56 min Scan# 1654

Delta R.T. 0.00 min

Lab File: BG020397.D

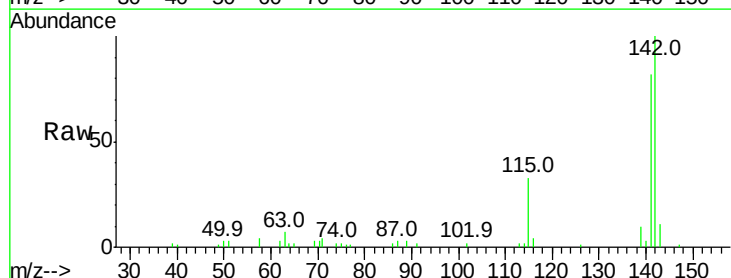
Acq: 22 Dec 2015 4:13

Tgt Ion:142 Resp: 16958

Ion Ratio Lower Upper

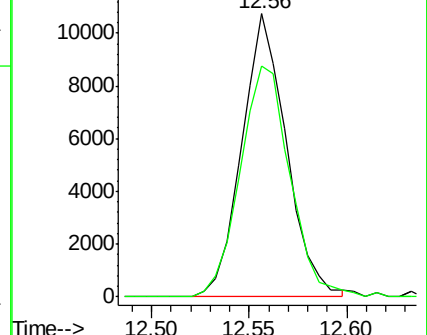
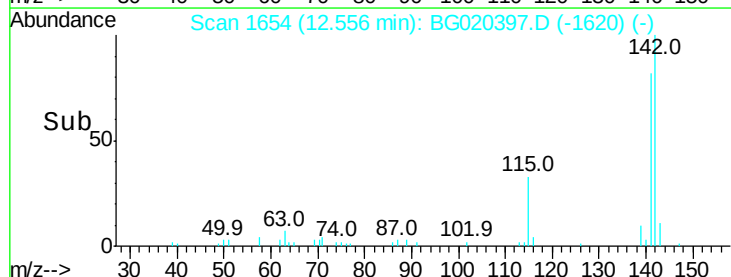
142 100

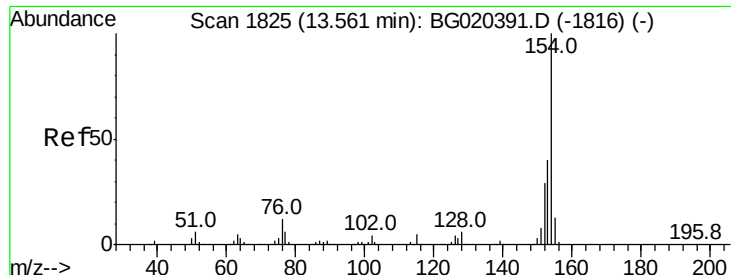
141 81.6 74.9 112.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

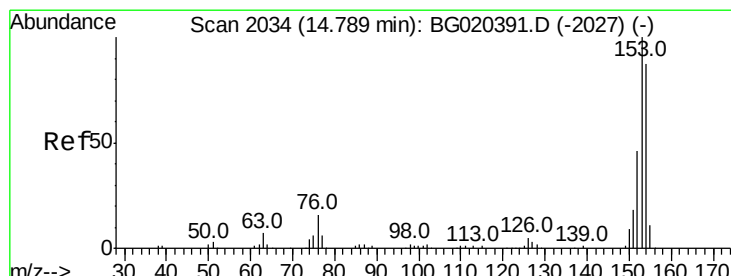
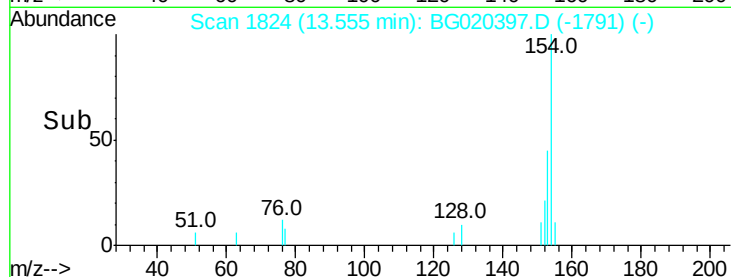
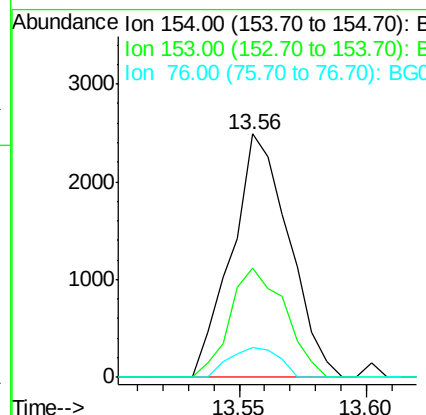
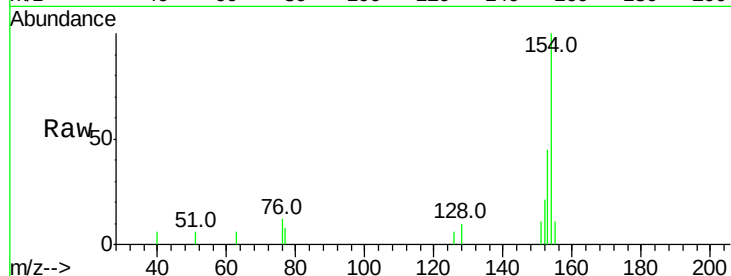




#41
1,1'-Biphenyl
Concen: 1.12 ng/ul
RT: 13.56 min Scan# 1824
Delta R.T. -0.01 min
Lab File: BG020397.D
Acq: 22 Dec 2015 4:13

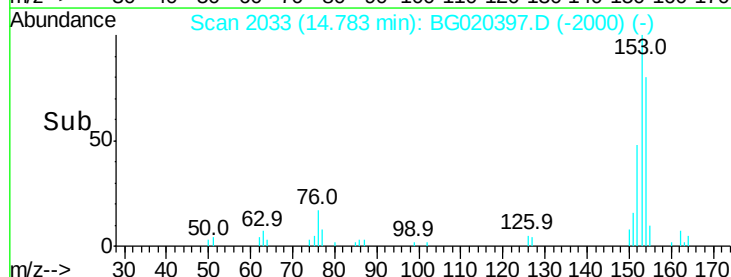
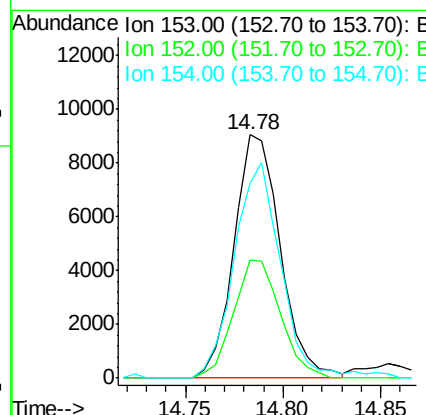
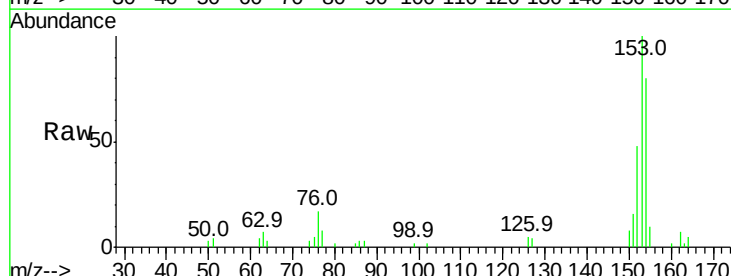
Instrument :
BNA_G
ClientSampleId :
D9N46DL

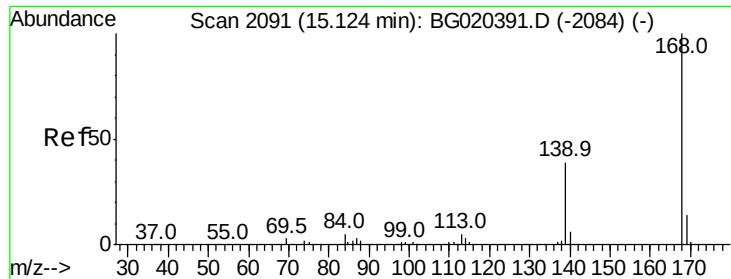
Tot Ion:154 Resp: 3900
Ion Ratio Lower Upper
154 100
153 45.0 35.5 53.3
76 12.0 10.4 15.6



#50
Acenaphthene
Concen: 4.80 ng/ul
RT: 14.78 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BG020397.D
Acq: 22 Dec 2015 4:13

Tgt Ion:153 Resp: 14922
Ion Ratio Lower Upper
153 100
152 48.4 37.6 56.4
154 80.2 67.9 101.9





#54

Dibenzenofuran

Concen: 2.60 ng/ul

RT: 15.12 min Scan# 2090

Delta R.T. -0.01 min

Lab File: BG020397.D

Acq: 22 Dec 2015 4:13

Instrument :

BNA_G

ClientSampleId :

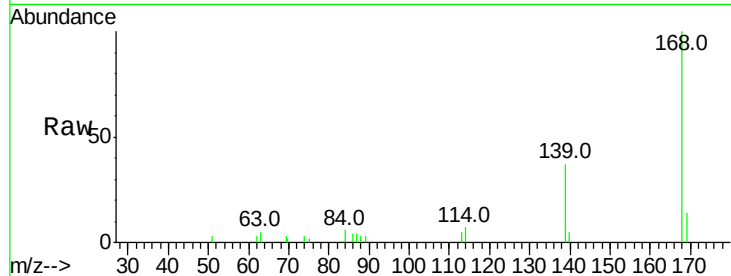
D9N46DL

Tot Ion:168 Resp: 12055

Ion Ratio Lower Upper

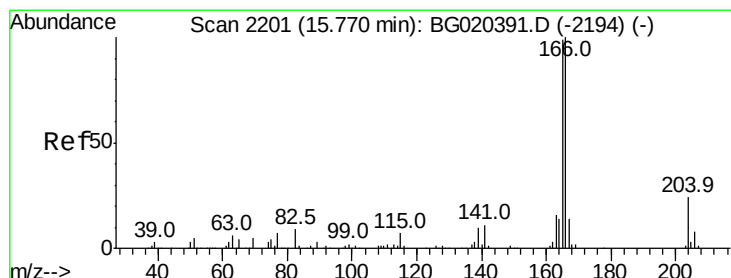
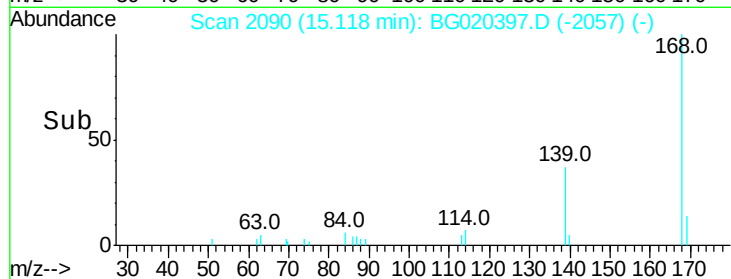
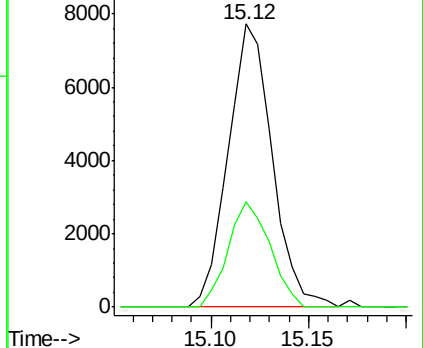
168 100

139 37.1 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: 2.78 ng/ul

RT: 15.77 min Scan# 2201

Delta R.T. 0.00 min

Lab File: BG020397.D

Acq: 22 Dec 2015 4:13

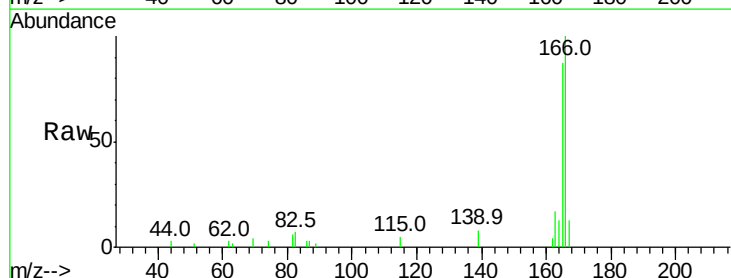
Tgt Ion:166 Resp: 10348

Ion Ratio Lower Upper

166 100

165 87.3 81.4 122.0

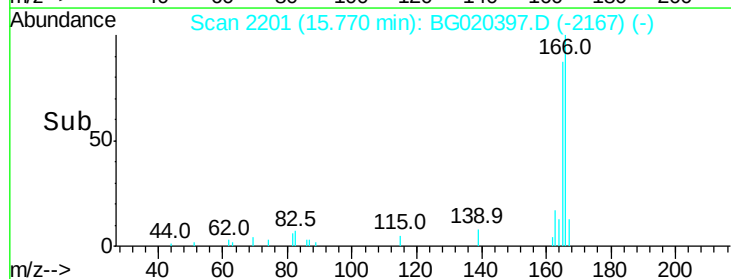
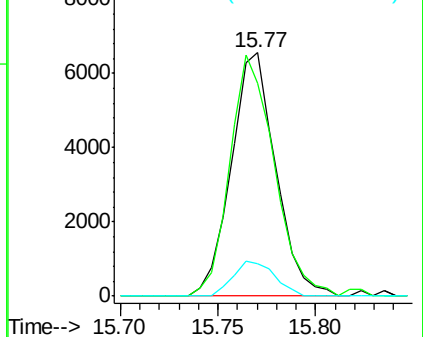
167 13.2 11.2 16.8

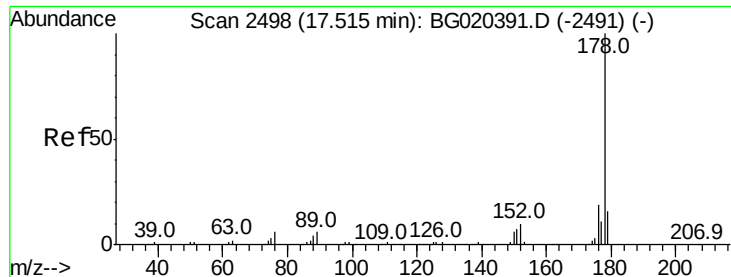


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#70

Phenanthrene

Concen: 3.33 ng/ul

RT: 17.51 min Scan# 2497

Delta R.T. -0.01 min

Lab File: BG020397.D

Acq: 22 Dec 2015 4:13

Instrument :

BNA_G

ClientSampleId :

D9N46DL

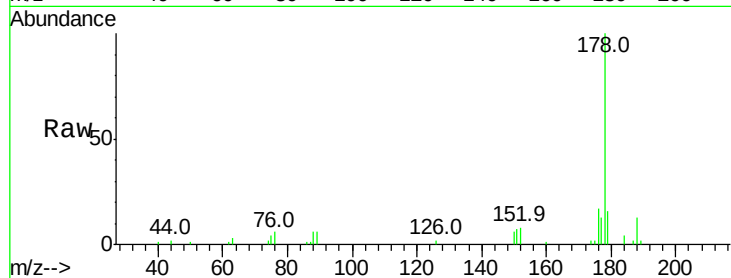
Tot Ion:178 Resp: 20854

Ion Ratio Lower Upper

178 100

179 16.0 12.9 19.3

176 16.5 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

