

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122815\
 Data File : BG020573.D
 Acq On : 28 Dec 2015 20:31
 Operator : UM/SJ
 Sample : G4846-16DL 20X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N62DL

Quant Time: Dec 29 03:00:21 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Dec 29 02:56:07 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	12787	20.00	ng/ul	0.00
18) Naphthalene-d8	10.88	136	56492	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.70	164	44781	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.45	188	135892	20.00	ng/ul	0.00
78) Chrysene-d12	21.72	240	174755	20.00	ng/ul	0.00
86) Perylene-d12	24.99	264	168569	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	7.39	99	714	0.70	ng/ul	0.17
7) Bis-(2-Chloroethyl)ether-d	7.39	67	377	0.62	ng/ul	0.00
9) 2-Chlorophenol-d4	7.60	132	829	1.05	ng/ul	0.00
13) 4-Methylphenol-d8	8.79	113	534	0.62	ng/ul	0.01
19) Nitrobenzene-d5	9.25	128	475	1.07	ng/ul	0.01
22) 2-Nitrophenol-d4	9.97	143	279	0.55	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.52	165	1019	1.05	ng/ul	0.01
29) 4-Chloroaniline-d4	0.00	131	0	0.00	ng/ul	
44) Dimethylphthalate-d6	14.10	166	6387	1.73	ng/ul	0.00
47) Acenaphthylene-d8	14.40	160	6963	1.63	ng/ul	0.00
52) 4-Nitrophenol-d4	0.00	143	0	0.00	ng/ul	
58) Fluorene-d10	15.70	176	5989	1.79	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	0.00	200	0	0.00	ng/ul	
71) Anthracene-d10	17.55	188	11854	1.86	ng/ul	0.00
79) Pyrene-d10	19.83	212	13940	1.84	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.76	264	13562	1.59	ng/ul	0.00

Target Compounds

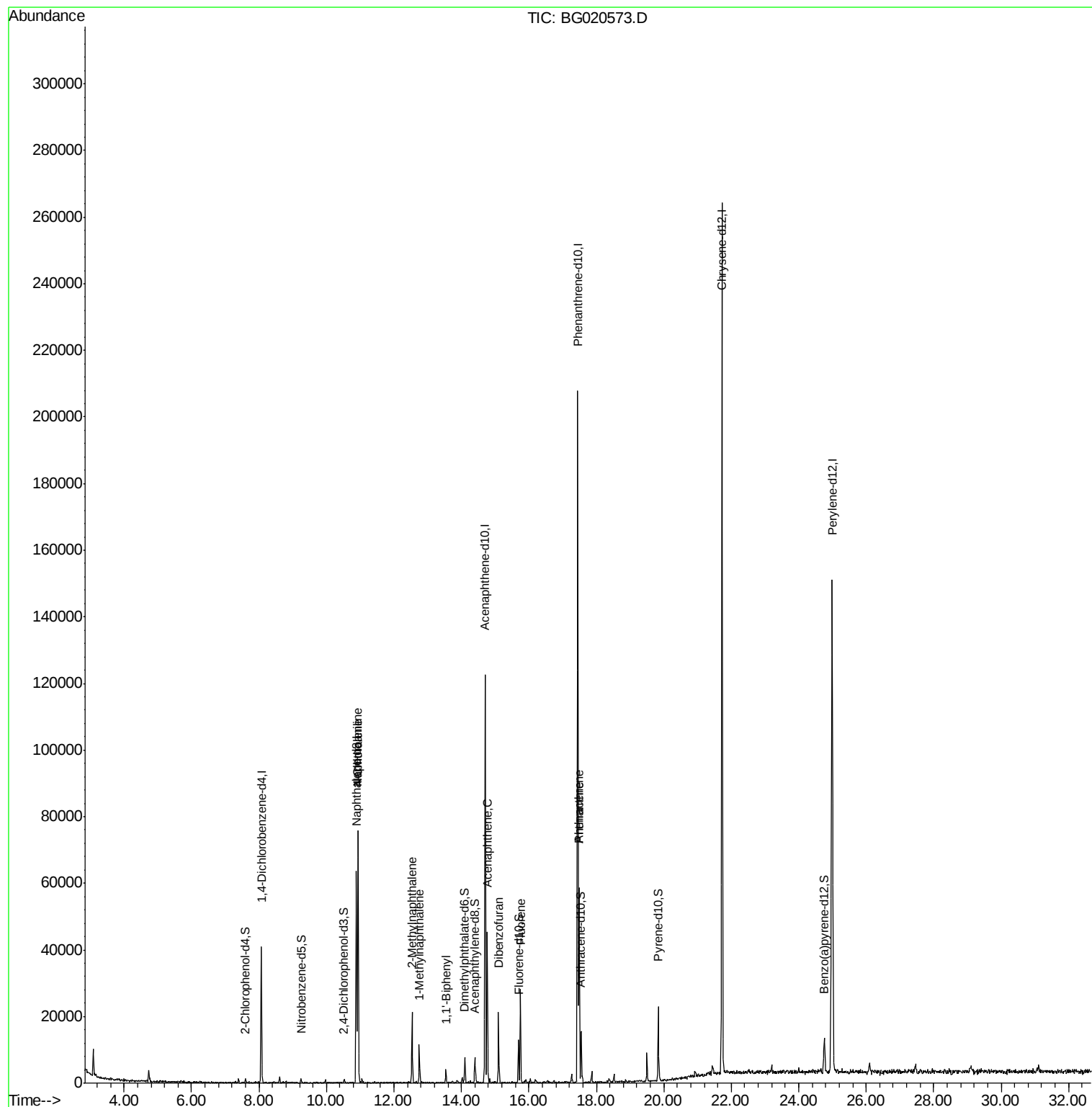
					Qvalue
28) Naphthalene	10.94	128	67173	22.37 ng/ul	98
30) 4-Chloroaniline	10.94	127	8947	7.97 ng/ul#	14
34) 2-Methylnaphthalene	12.53	142	11074	4.98 ng/ul	99
35) 1-Methylnaphthalene	12.75	142	6505	3.08 ng/ul#	91
41) 1,1'-Biphenyl	13.54	154	3527	1.02 ng/ul#	86
50) Acenaphthene	14.77	153	20400	6.71 ng/ul	98
54) Dibenzofuran	15.10	168	16563	3.66 ng/ul	97
59) Fluorene	15.75	166	14210	3.88 ng/ul	98
70) Phenanthrene	17.49	178	38395	5.08 ng/ul	99
72) Anthracene	17.49	178	38395	4.97 ng/ul	97

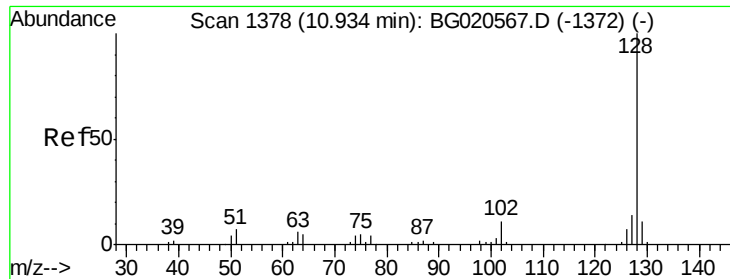
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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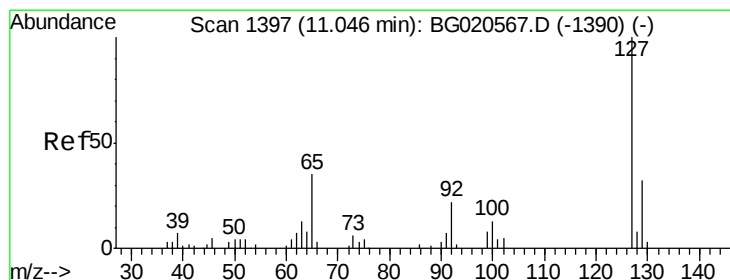
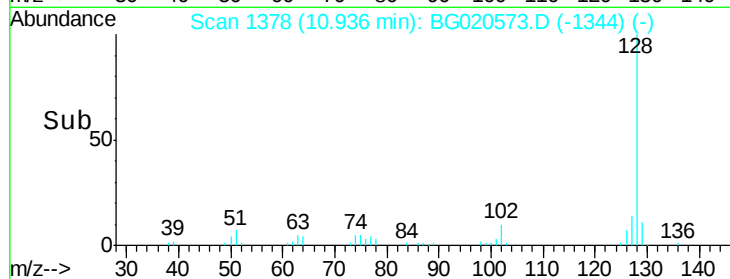
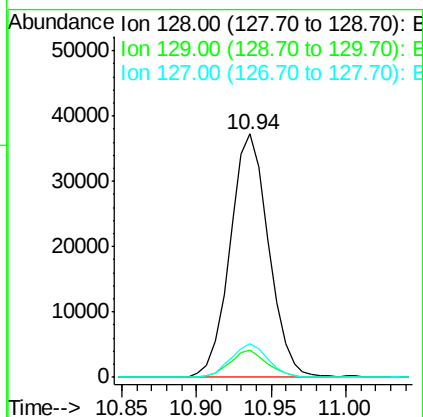
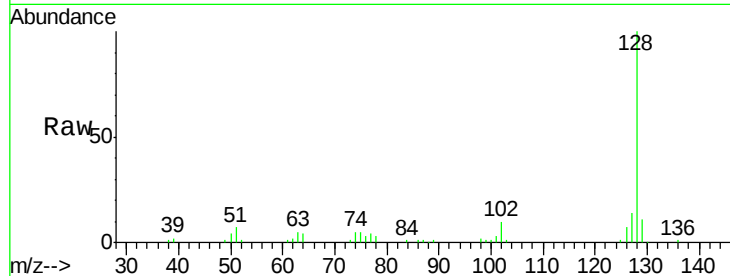




#28
Naphthalene
Concen: 22.37 ng/ul
RT: 10.94 min Scan# 1378
Delta R.T. 0.00 min
Lab File: BG020573.D
Acq: 28 Dec 2015 20:31

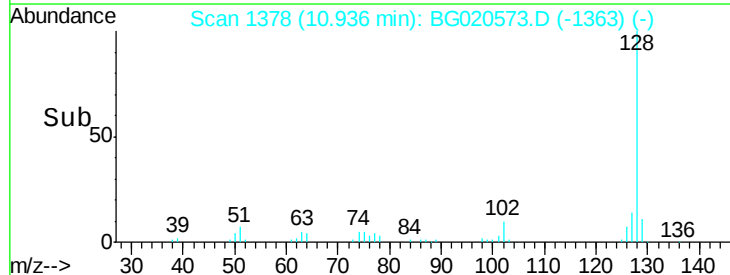
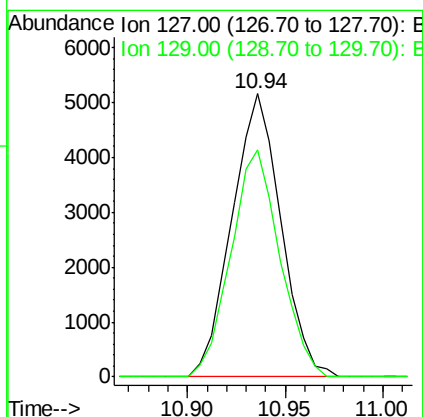
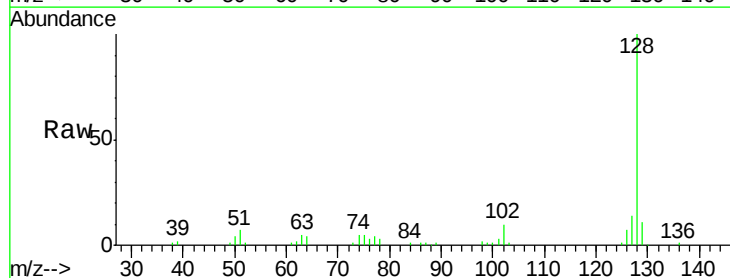
Instrument :
BNA_G
ClientSampleId :
D9N62DL

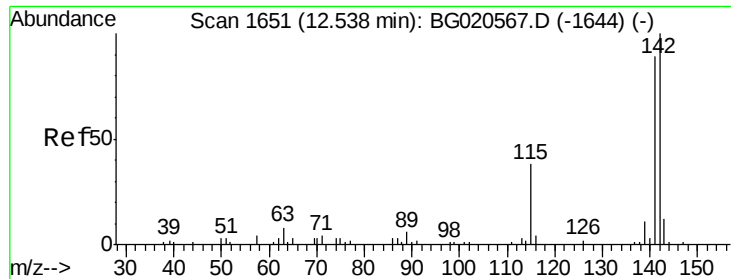
Tgt Ion:128 Resp: 67173
Ion Ratio Lower Upper
128 100
129 11.1 8.6 12.8
127 13.9 10.1 15.1



#30
4-Chloroaniline
Concen: 7.97 ng/ul
RT: 10.94 min Scan# 1378
Delta R.T. -0.11 min
Lab File: BG020573.D
Acq: 28 Dec 2015 20:31

Tgt Ion:127 Resp: 8947
Ion Ratio Lower Upper
127 100
129 80.4 25.7 38.5#

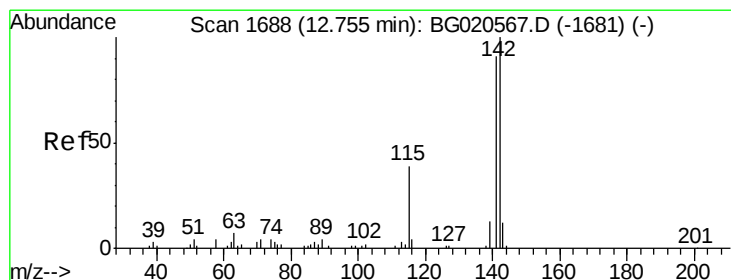
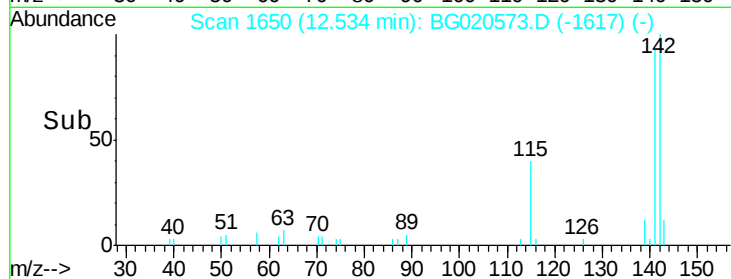
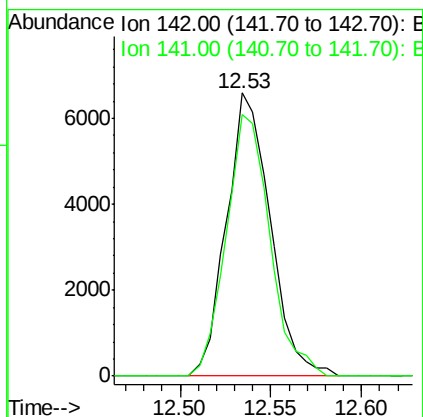
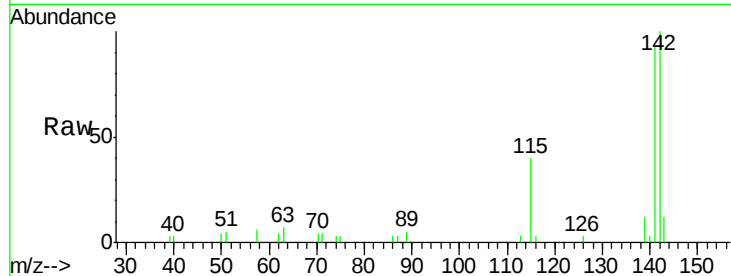




#34
 2-Methylnaphthalene
 Concen: 4.98 ng/ul
 RT: 12.53 min Scan# 1650
 Delta R.T. -0.00 min
 Lab File: BG020573.D
 Acq: 28 Dec 2015 20:31

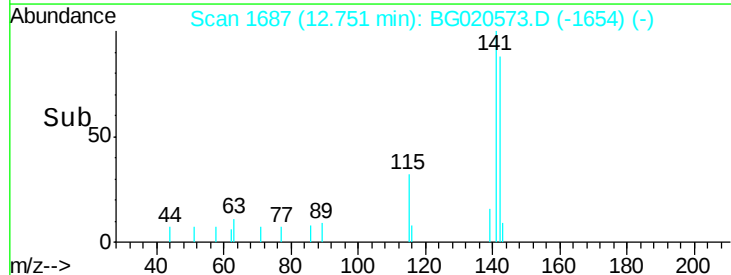
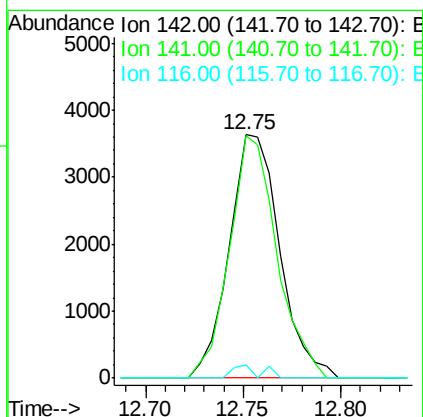
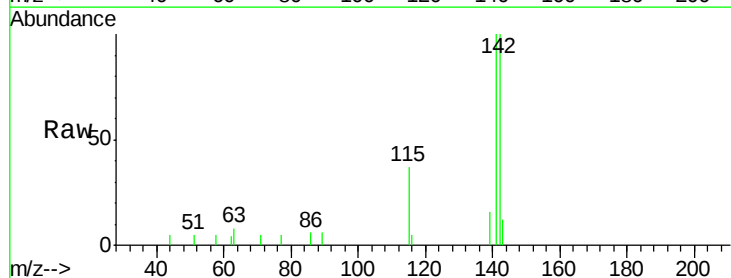
Instrument :
 BNA_G
 ClientSampleId :
 D9N62DL

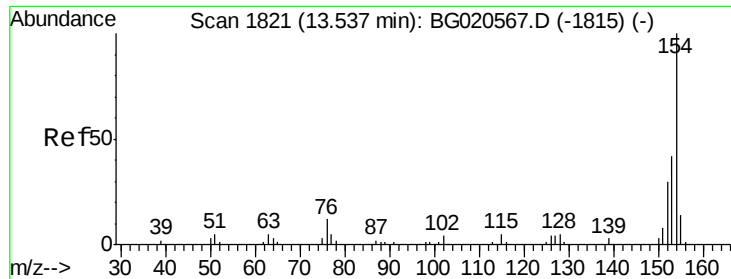
Tgt Ion:142 Resp: 11074
 Ion Ratio Lower Upper
 142 100
 141 92.6 74.9 112.3



#35
 1-Methylnaphthalene
 Concen: 3.08 ng/ul
 RT: 12.75 min Scan# 1687
 Delta R.T. -0.00 min
 Lab File: BG020573.D
 Acq: 28 Dec 2015 20:31

Tgt Ion:142 Resp: 6505
 Ion Ratio Lower Upper
 142 100
 141 99.5 73.0 109.6
 116 5.4 3.0 4.6#

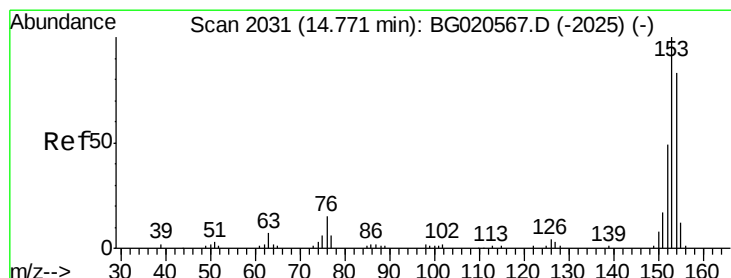
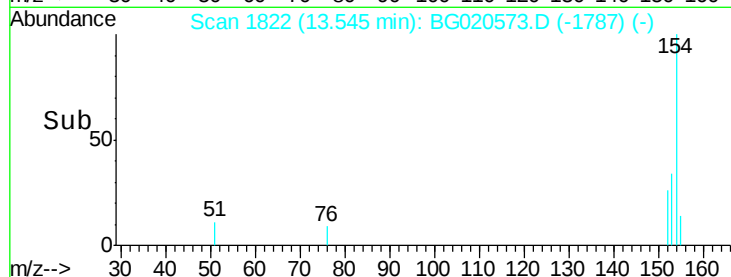
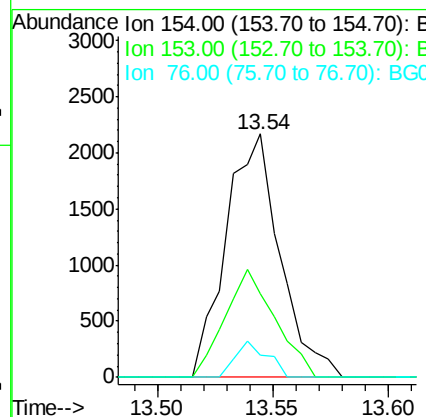
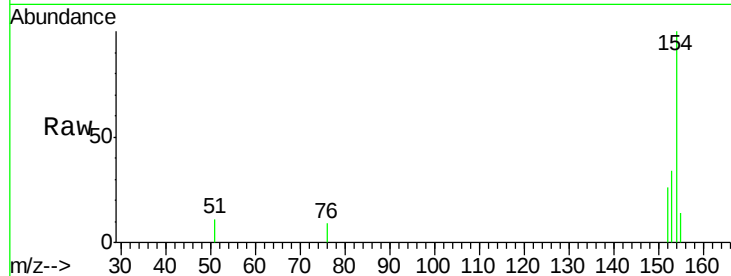




#41
 1,1'-Biphenyl
 Concen: 1.02 ng/ul
 RT: 13.54 min Scan# 1822
 Delta R.T. 0.01 min
 Lab File: BG020573.D
 Acq: 28 Dec 2015 20:31

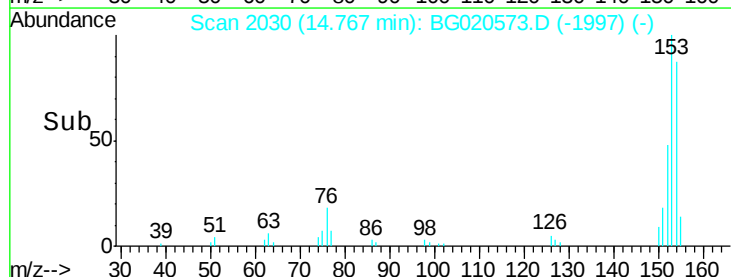
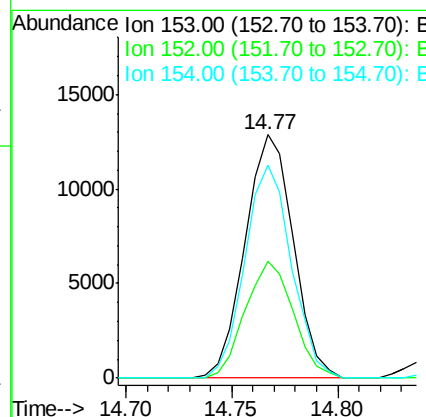
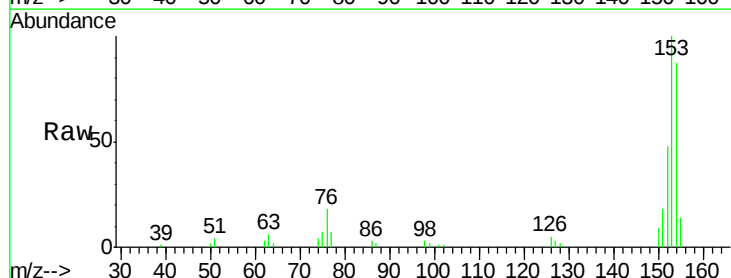
Instrument :
 BNA_G
 ClientSampleId :
 D9N62DL

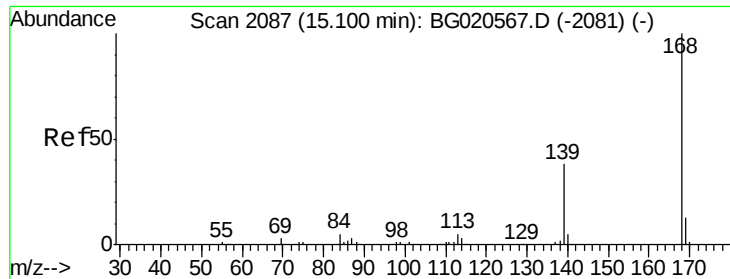
Tgt Ion:154 Resp: 3527
 Ion Ratio Lower Upper
 154 100
 153 34.3 35.5 53.3#
 76 9.3 10.4 15.6#



#50
 Acenaphthene
 Concen: 6.71 ng/ul
 RT: 14.77 min Scan# 2030
 Delta R.T. -0.00 min
 Lab File: BG020573.D
 Acq: 28 Dec 2015 20:31

Tgt Ion:153 Resp: 20400
 Ion Ratio Lower Upper
 153 100
 152 47.9 37.6 56.4
 154 87.5 67.9 101.9





#54

Dibenzenofuran

Concen: 3.66 ng/ul

RT: 15.10 min Scan# 2087

Delta R.T. 0.00 min

Lab File: BG020573.D

Acq: 28 Dec 2015 20:31

Instrument :

BNA_G

ClientSampleId :

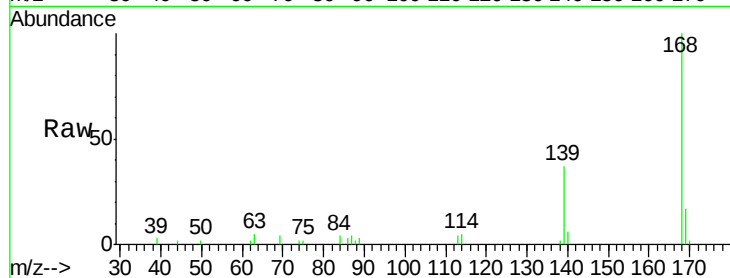
D9N62DL

Tgt Ion:168 Resp: 16563

Ion Ratio Lower Upper

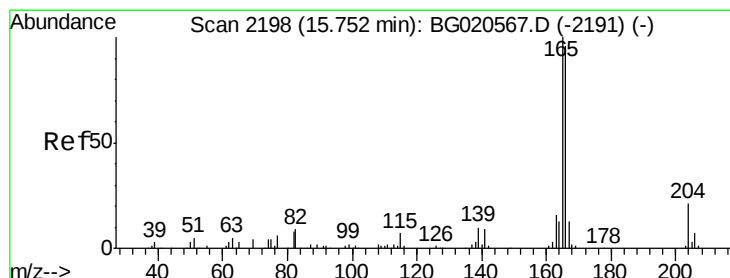
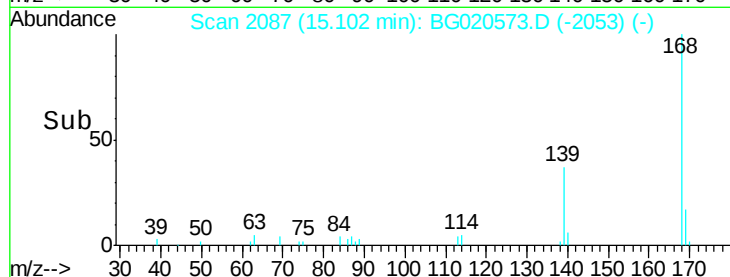
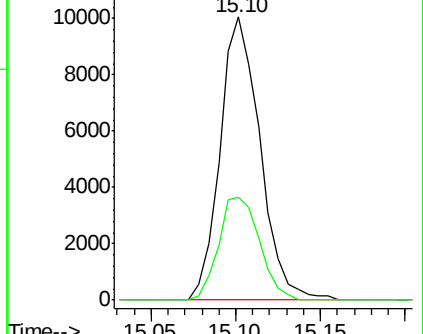
168 100

139 36.5 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: 3.88 ng/ul

RT: 15.75 min Scan# 2197

Delta R.T. -0.00 min

Lab File: BG020573.D

Acq: 28 Dec 2015 20:31

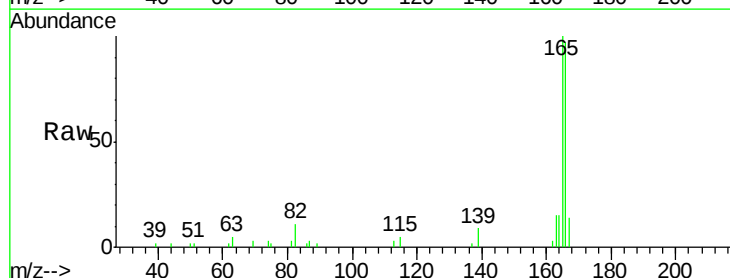
Tgt Ion:166 Resp: 14210

Ion Ratio Lower Upper

166 100

165 103.3 81.4 122.0

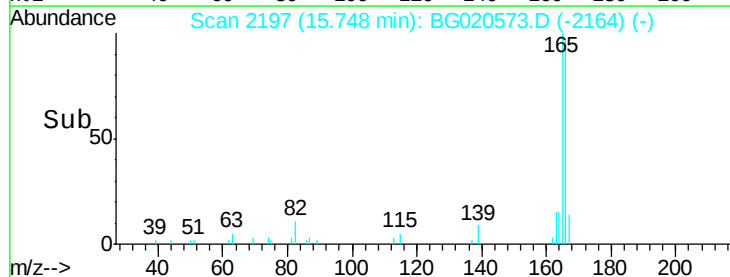
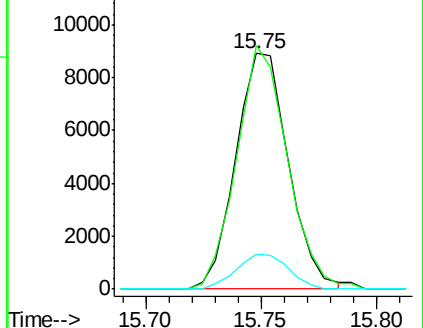
167 14.8 11.2 16.8

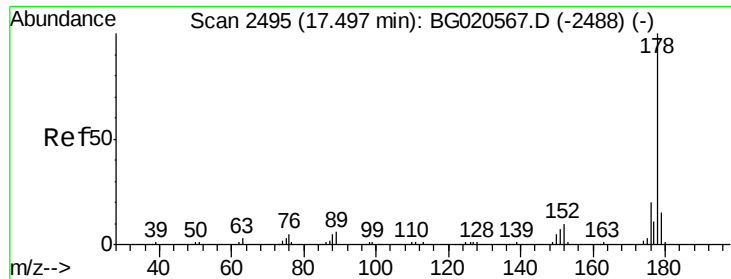


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

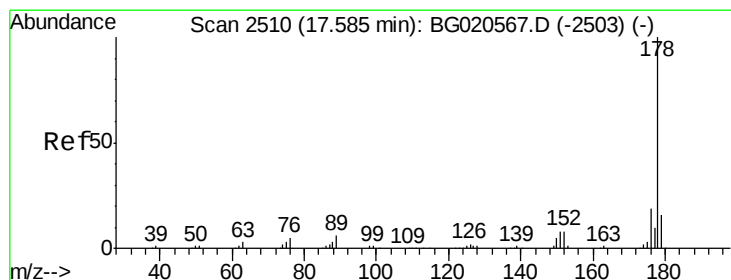
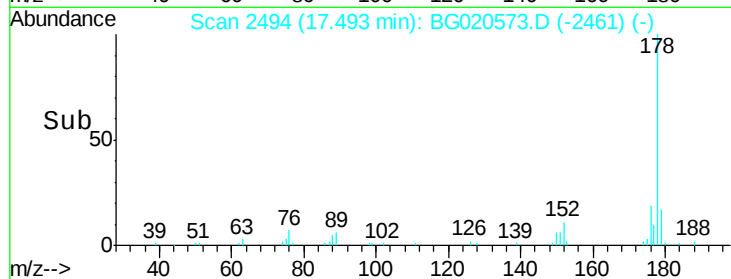
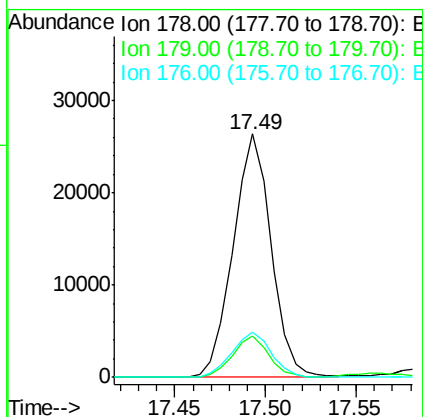
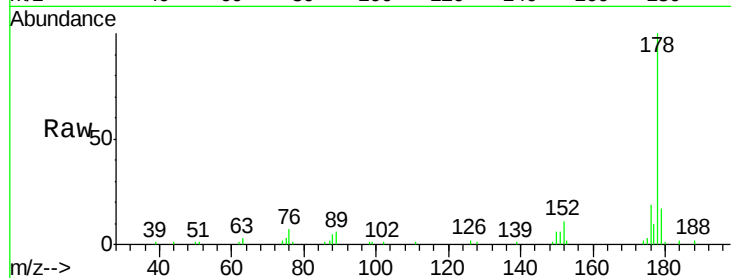




#70
Phenanthrene
Concen: 5.08 ng/ul
RT: 17.49 min Scan# 2494
Delta R.T. -0.00 min
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Tgt Ion:178 Resp: 38395
Ion Ratio Lower Upper
178 100
179 16.9 12.9 19.3
176 18.6 15.3 22.9



#72
Anthracene
Concen: 4.97 ng/ul
RT: 17.49 min Scan# 2494
Delta R.T. -0.09 min
Lab File: BG020573.D
Acq: 28 Dec 2015 20:31

Tgt Ion:178 Resp: 38395
Ion Ratio Lower Upper
178 100
179 16.9 12.3 18.5
176 18.6 14.3 21.5

