

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122615\
 Data File : BG020563.D
 Acq On : 27 Dec 2015 20:33
 Operator : UM/SJ
 Sample : G4846-10
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N56

Quant Time: Dec 28 06:07:46 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Dec 28 04:59:10 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	48870	20.00	ng/ul	0.00
18) Naphthalene-d8	10.89	136	231159	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.71	164	169308	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.46	188	434562	20.00	ng/ul	0.00
78) Chrysene-d12	21.73	240	534532	20.00	ng/ul	0.00
86) Perylene-d12	25.01	264	512057	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.44	96	346	0.39	ng/uL	0.00
5) Phenol-d5	7.23	99	10854	2.77	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.39	67	27299	11.75	ng/ul	0.00
9) 2-Chlorophenol-d4	7.60	132	28706	9.54	ng/ul	0.00
13) 4-Methylphenol-d8	8.78	113	20902	6.33	ng/ul	0.00
19) Nitrobenzene-d5	9.25	128	19868	10.96	ng/ul	0.00
22) 2-Nitrophenol-d4	9.97	143	24009	11.65	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.51	165	39939	10.02	ng/ul	0.00
29) 4-Chloroaniline-d4	11.04	131	974	0.21	ng/ul	0.01
44) Dimethylphthalate-d6	14.11	166	157646	11.30	ng/ul	0.00
47) Acenaphthylene-d8	14.41	160	179188	11.08	ng/ul	0.00
52) 4-Nitrophenol-d4	14.92	143	4675	2.01	ng/ul	0.00
58) Fluorene-d10	15.70	176	146934	11.64	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.82	200	26020	9.03	ng/ul	0.00
71) Anthracene-d10	17.56	188	236472	11.62	ng/ul	0.00
79) Pyrene-d10	19.84	212	282756	12.22	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.78	264	305762	11.81	ng/ul	0.00

Target Compounds

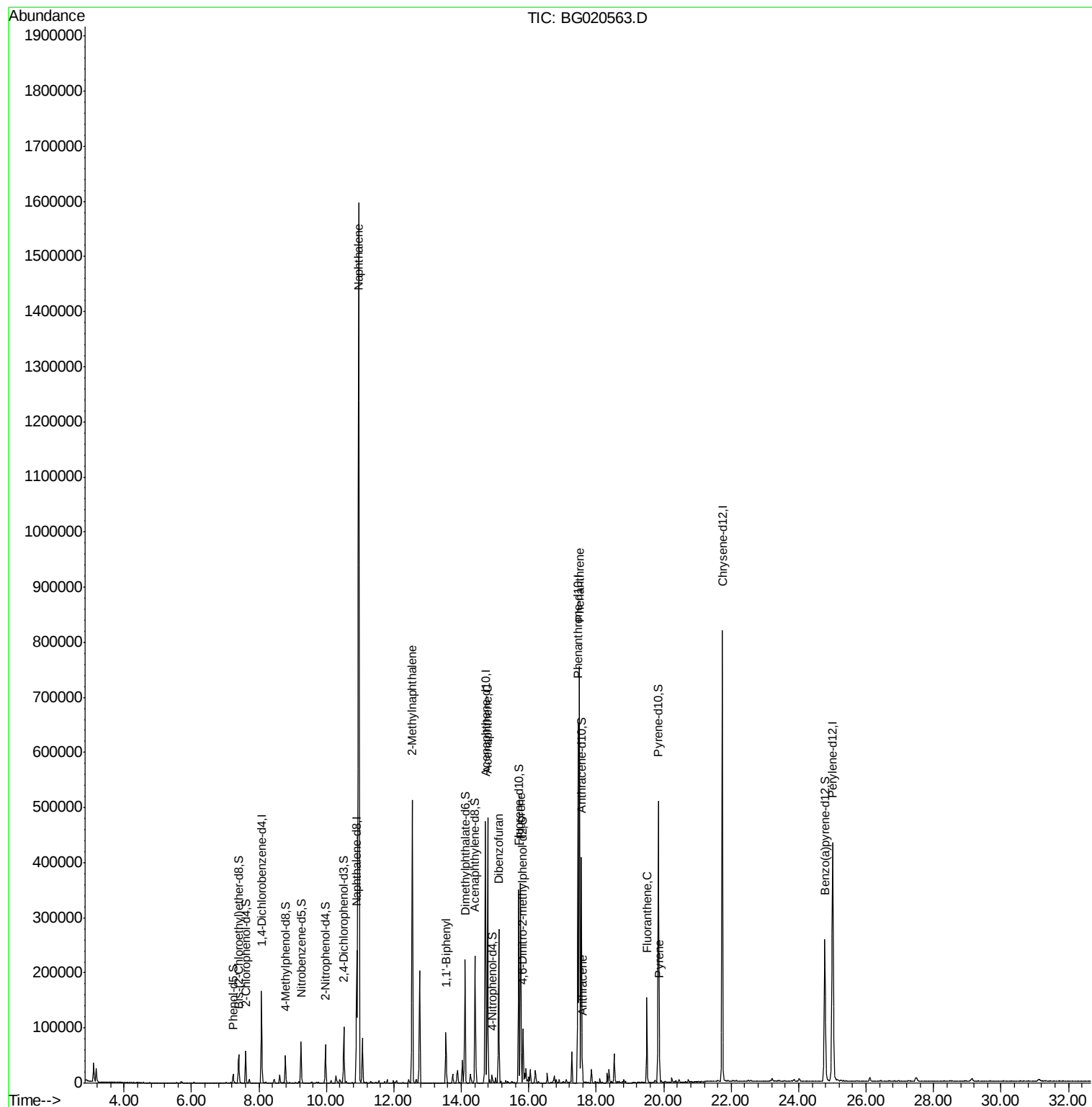
						Qvalue
28) Naphthalene	10.96	128	1414865	115.14	ng/ul#	94
34) 2-Methylnaphthalene	12.54	142	258826	28.47	ng/ul	96
41) 1,1'-Biphenyl	13.54	154	50843	3.89	ng/ul#	95
50) Acenaphthene	14.78	153	207255	18.04	ng/ul	97
54) Dibenzofuran	15.11	168	190558	11.15	ng/ul	100
59) Fluorene	15.76	166	167123	12.06	ng/ul	99
70) Phenanthrene	17.50	178	488181	20.19	ng/ul	99
72) Anthracene	17.59	178	28335	1.15	ng/ul	97
77) Fluoranthene	19.50	202	105944	3.48	ng/ul	99
80) Pyrene	19.87	202	60442	2.00	ng/ul	99

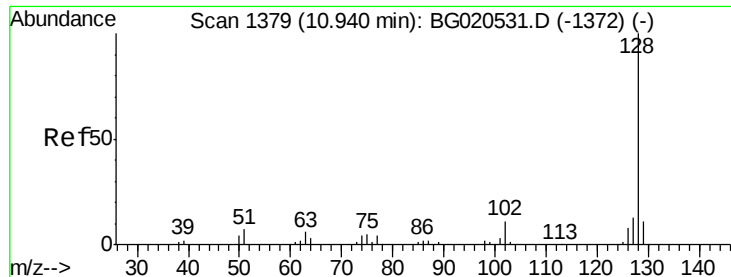
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#28

Naphthalene

Concen: 115.14 ng/ul

RT: 10.96 min Scan# 1382

Delta R.T. 0.01 min

Lab File: BG020563.D

Acq: 27 Dec 2015 20:33

Instrument :

BNA_G

ClientSampleId :

D9N56

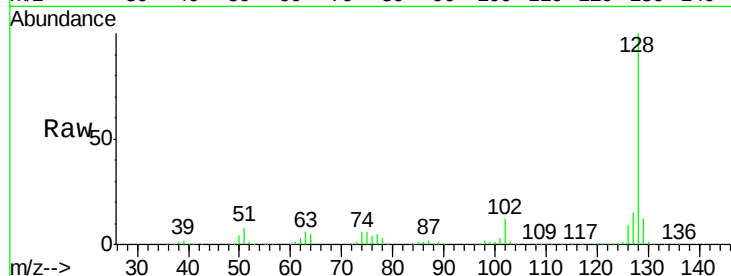
Tgt Ion:128 Resp: 1414865

Ion Ratio Lower Upper

128 100

129 12.3 8.6 12.8

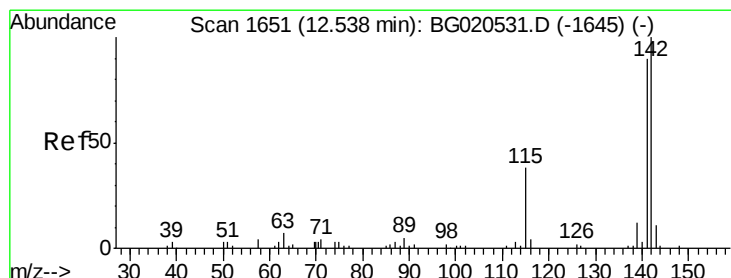
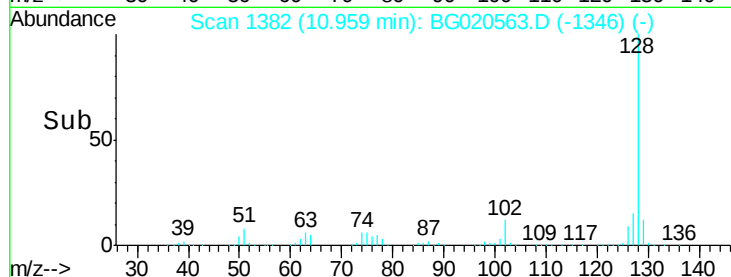
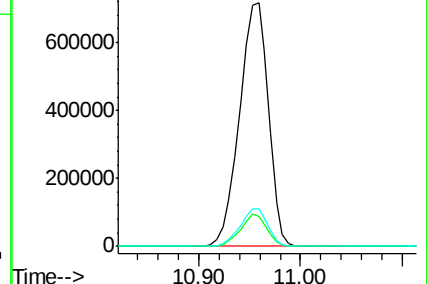
127 15.3 10.1 15.1#



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: 28.47 ng/ul

RT: 12.54 min Scan# 1652

Delta R.T. 0.00 min

Lab File: BG020563.D

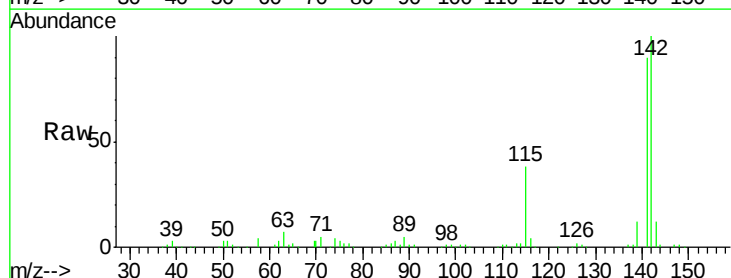
Acq: 27 Dec 2015 20:33

Tgt Ion:142 Resp: 258826

Ion Ratio Lower Upper

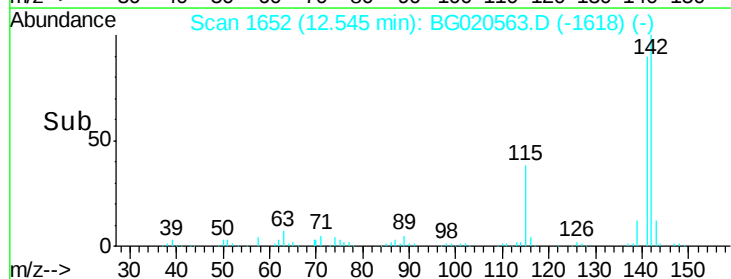
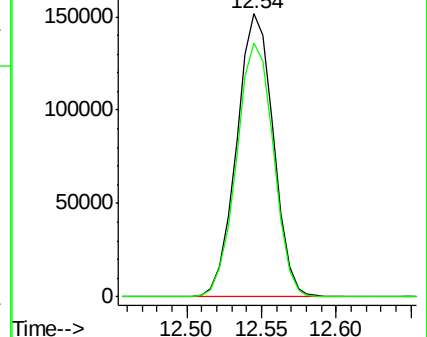
142 100

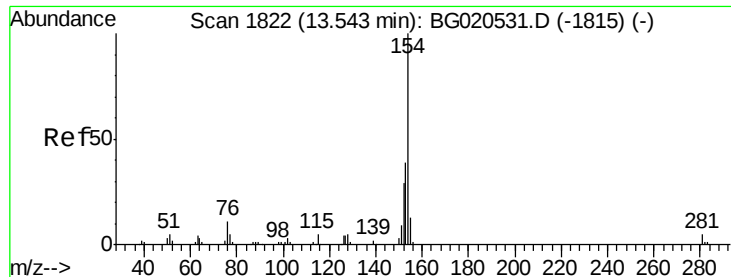
141 89.7 74.9 112.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

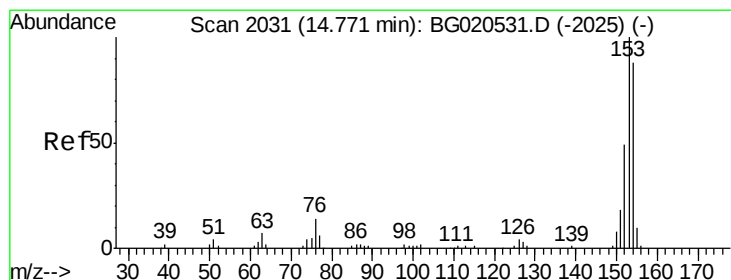
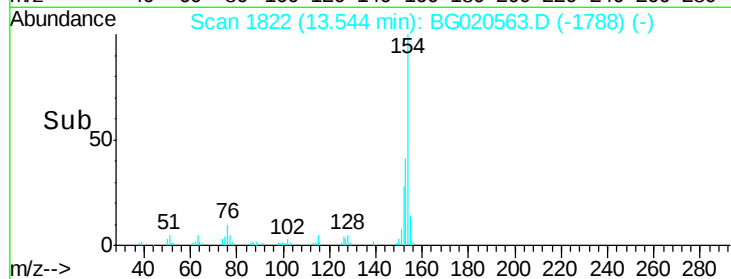
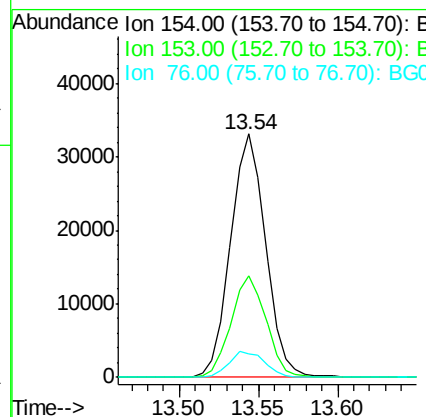
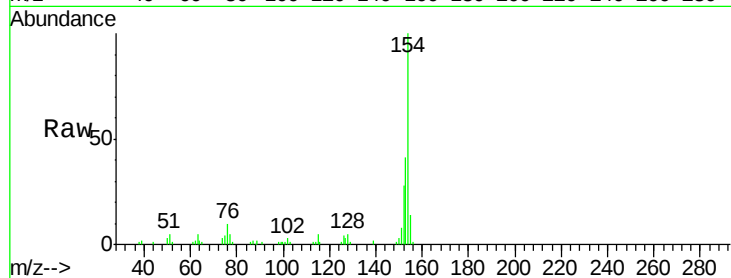




#41
 1,1'-Biphenyl
 Concen: 3.89 ng/ul
 RT: 13.54 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: BG020563.D
 Acq: 27 Dec 2015 20:33

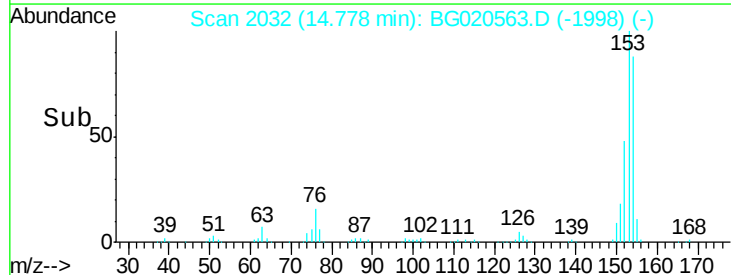
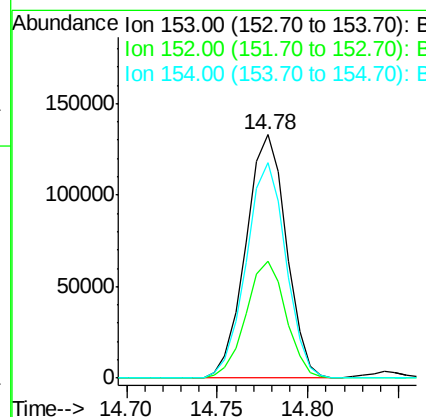
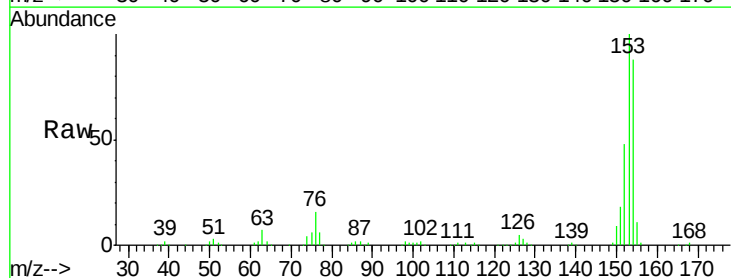
Instrument :
 BNA_G
 ClientSampleId :
 D9N56

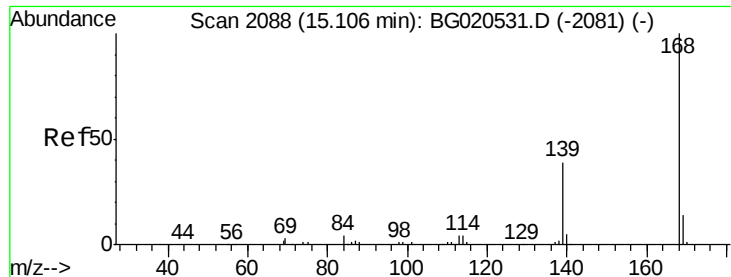
Tgt Ion:154 Resp: 50843
 Ion Ratio Lower Upper
 154 100
 153 41.5 35.5 53.3
 76 9.6 10.4 15.6#



#50
 Acenaphthene
 Concen: 18.04 ng/ul
 RT: 14.78 min Scan# 2032
 Delta R.T. 0.00 min
 Lab File: BG020563.D
 Acq: 27 Dec 2015 20:33

Tgt Ion:153 Resp: 207255
 Ion Ratio Lower Upper
 153 100
 152 48.2 37.6 56.4
 154 88.4 67.9 101.9





#54

Dibenzenofuran

Concen: 11.15 ng/ul

RT: 15.11 min Scan# 2088

Delta R.T. -0.00 min

Lab File: BG020563.D

Acq: 27 Dec 2015 20:33

Instrument :

BNA_G

ClientSampleId :

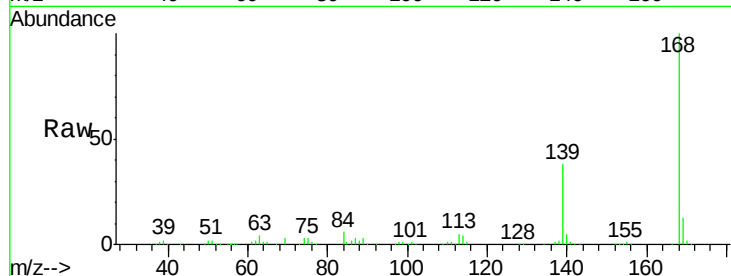
D9N56

Tgt Ion:168 Resp: 190558

Ion Ratio Lower Upper

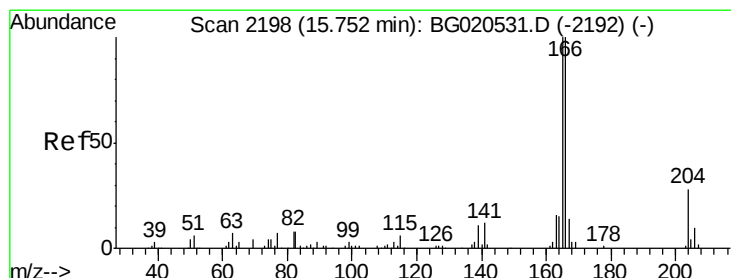
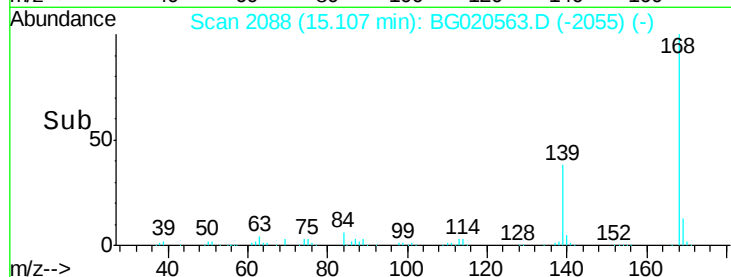
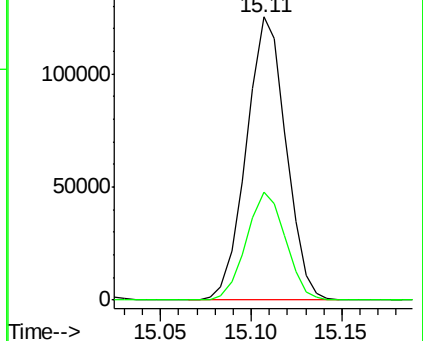
168 100

139 38.3 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: 12.06 ng/ul

RT: 15.76 min Scan# 2199

Delta R.T. 0.00 min

Lab File: BG020563.D

Acq: 27 Dec 2015 20:33

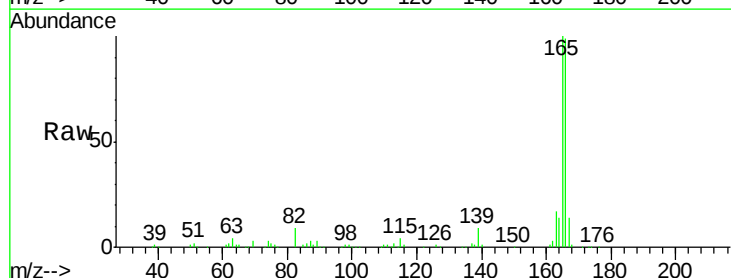
Tgt Ion:166 Resp: 167123

Ion Ratio Lower Upper

166 100

165 101.0 81.4 122.0

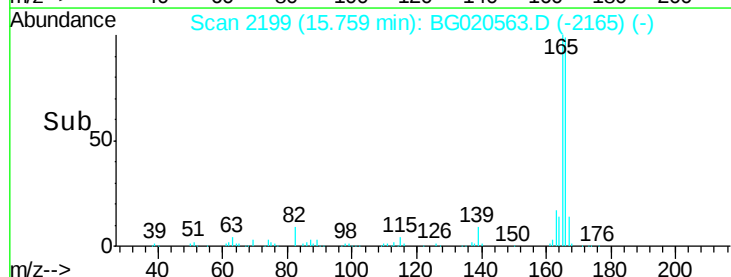
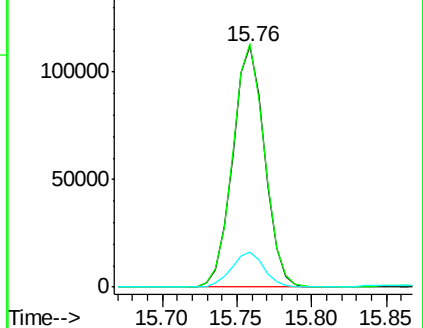
167 14.3 11.2 16.8

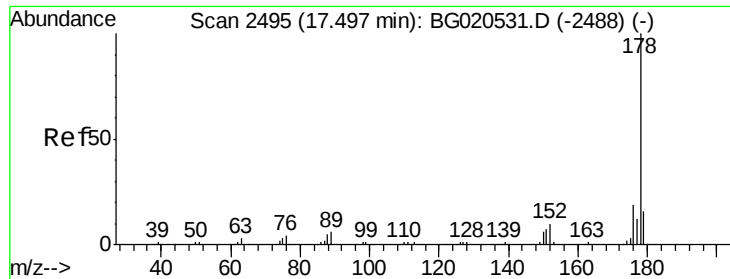


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#70

Phenanthrene

Concen: 20.19 ng/ul

RT: 17.50 min Scan# 2496

Delta R.T. 0.00 min

Lab File: BG020563.D

Acq: 27 Dec 2015 20:33

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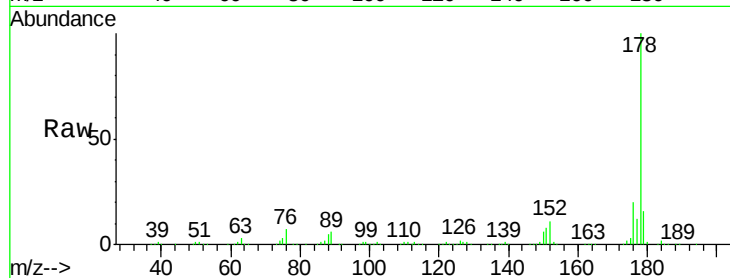
Tgt Ion:178 Resp: 488181

Ion Ratio Lower Upper

178 100

179 16.3 12.9 19.3

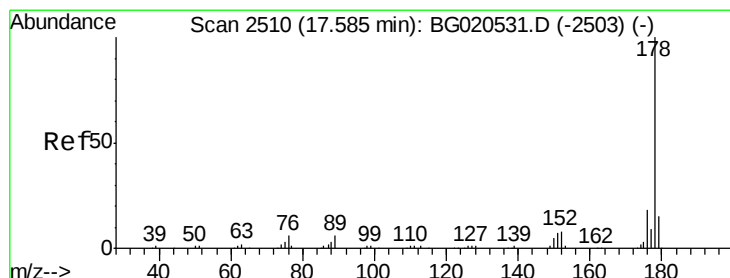
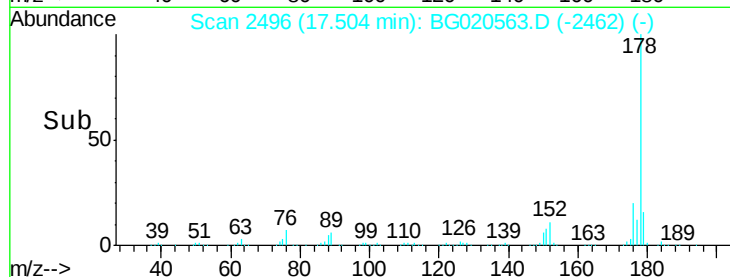
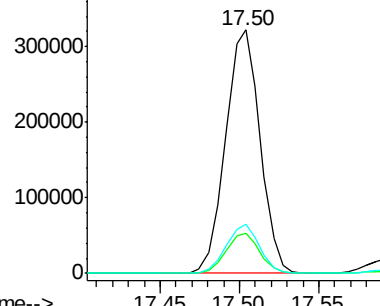
176 20.0 15.3 22.9



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



#72

Anthracene

Concen: 1.15 ng/ul

RT: 17.59 min Scan# 2511

Delta R.T. 0.00 min

Lab File: BG020563.D

Acq: 27 Dec 2015 20:33

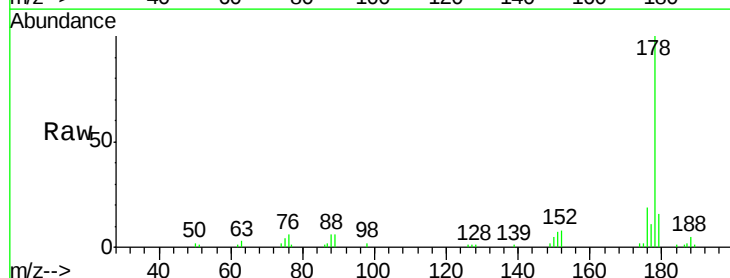
Tgt Ion:178 Resp: 28335

Ion Ratio Lower Upper

178 100

179 16.3 12.3 18.5

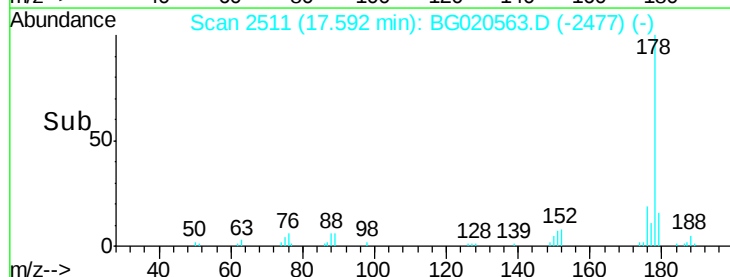
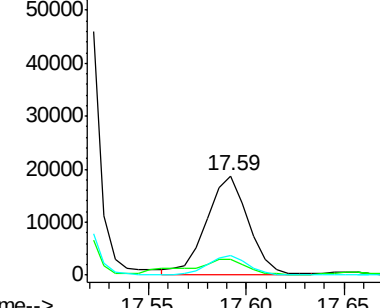
176 19.3 14.3 21.5

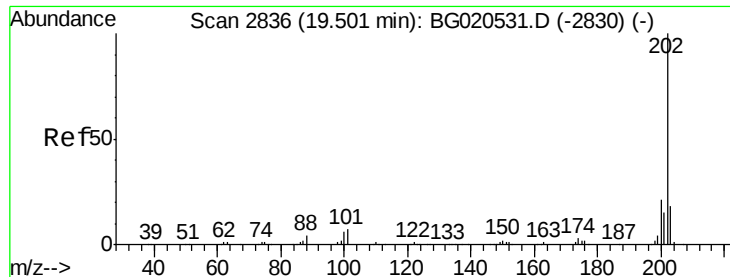


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

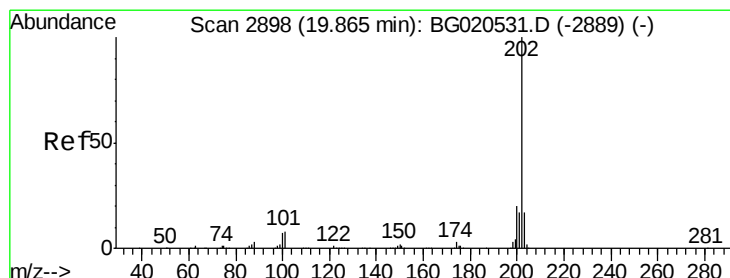
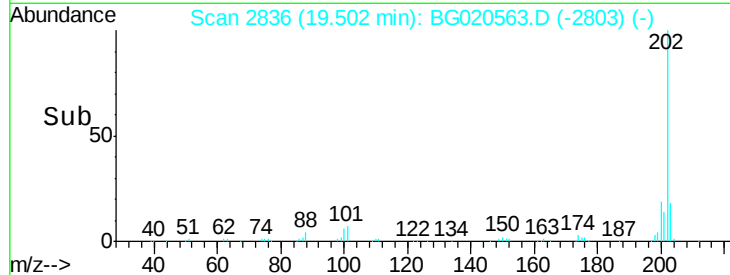
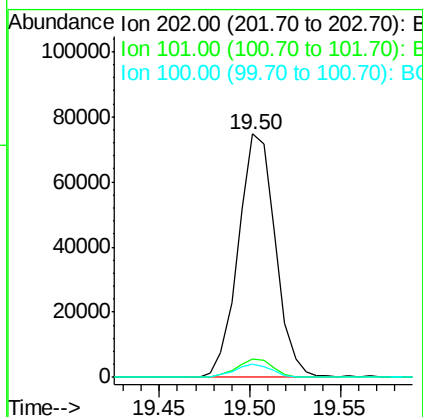
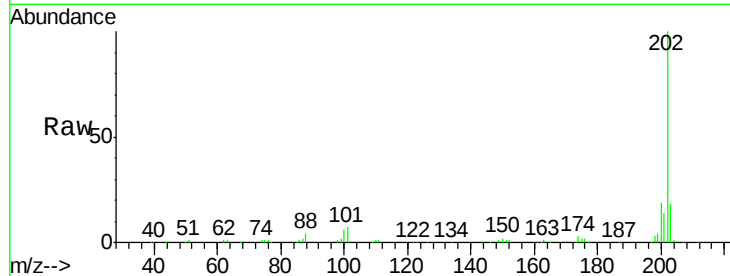




#77
Fluoranthene
 Concen: 3.48 ng/ul
 RT: 19.50 min Scan# 2836
 Delta R.T. -0.00 min
 Lab File: BG020563.D
 Acq: 27 Dec 2015 20:33

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Tgt Ion:	202	Resp:	105944
Ion	Ratio	Lower	Upper
202	100		
101	7.5	6.2	9.4
100	5.7	5.1	7.7



#80
Pyrene
 Concen: 2.00 ng/ul
 RT: 19.87 min Scan# 2898
 Delta R.T. -0.00 min
 Lab File: BG020563.D
 Acq: 27 Dec 2015 20:33

Tgt Ion:	202	Resp:	60442
Ion	Ratio	Lower	Upper
202	100		
101	8.2	7.0	10.4
100	7.6	6.4	9.6

