

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG123015\
 Data File : BG020609.D
 Acq On : 30 Dec 2015 15:15
 Operator : UM/SJ
 Sample : G4846-10
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N56

Quant Time: Dec 30 23:55:09 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Dec 30 23:49:10 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	19562	20.00	ng/ul	0.00
18) Naphthalene-d8	10.88	136	89477	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.70	164	64735	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.44	188	168053	20.00	ng/ul	0.00
78) Chrysene-d12	21.71	240	199062	20.00	ng/ul	-0.01
86) Perylene-d12	24.96	264	193029	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.43	96	358	1.10	ng/uL	0.00
5) Phenol-d5	7.22	99	10939	6.62	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.38	67	29364	29.39	ng/ul	0.00
9) 2-Chlorophenol-d4	7.59	132	31052	24.58	ng/ul	0.00
13) 4-Methylphenol-d8	8.77	113	22341	15.76	ng/ul	0.00
19) Nitrobenzene-d5	9.23	128	21732	31.44	ng/ul	0.00
22) 2-Nitrophenol-d4	9.96	143	25830	32.19	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.50	165	41915	27.50	ng/ul	0.00
29) 4-Chloroaniline-d4	11.05	131	1523	0.84	ng/ul	0.04
44) Dimethylphthalate-d6	14.09	166	174548	32.95	ng/ul	0.00
47) Acenaphthylene-d8	14.39	160	196054	32.58	ng/ul	0.00
52) 4-Nitrophenol-d4	14.91	143	4717	5.68	ng/ul	0.00
58) Fluorene-d10	15.69	176	158251	32.95	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.81	200	29685	29.12	ng/ul	0.00
71) Anthracene-d10	17.54	188	260891	33.32	ng/ul	0.00
79) Pyrene-d10	19.82	212	315790	35.37	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.74	264	334949	34.78	ng/ul	0.00

Target Compounds

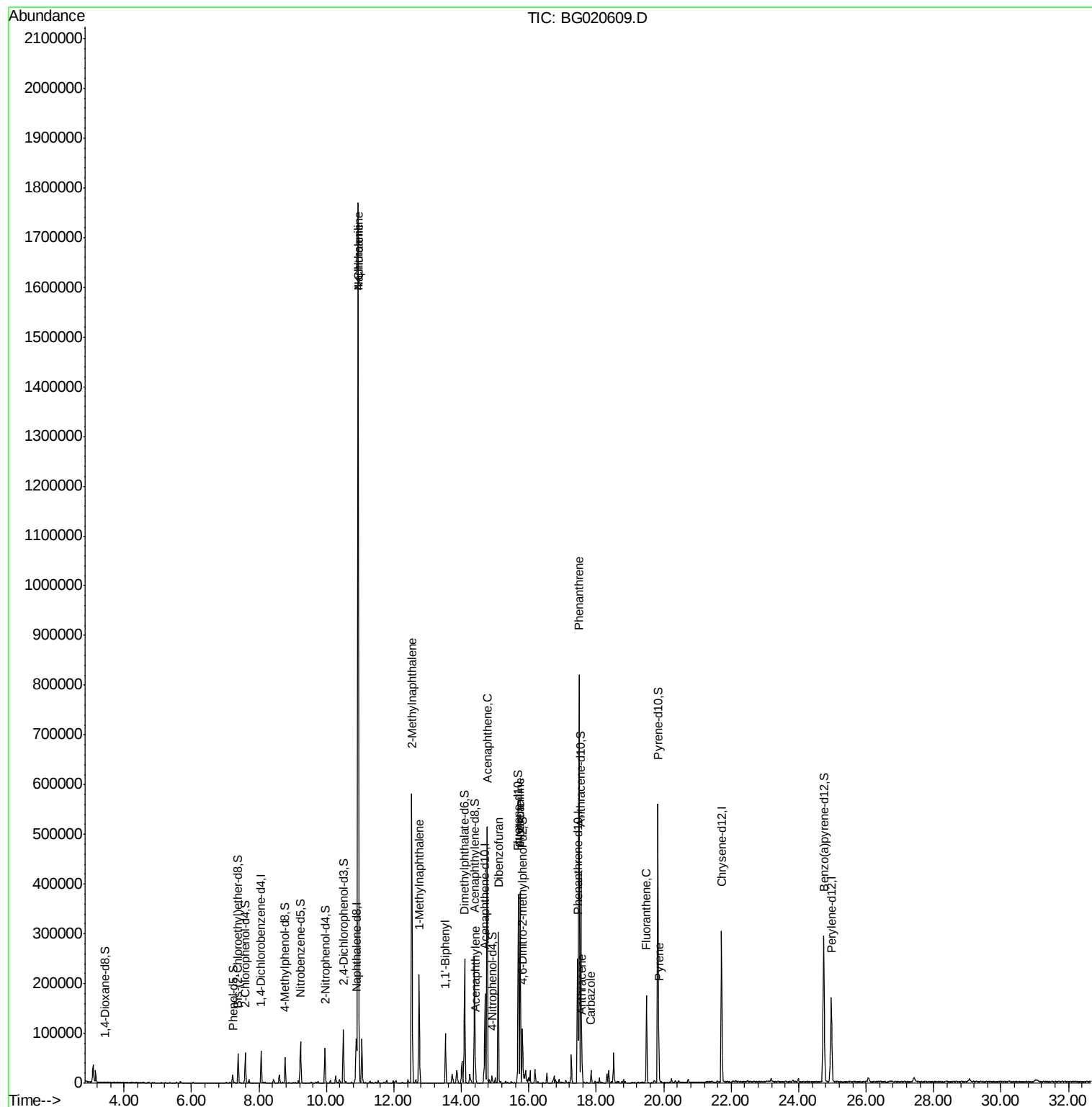
						Qvalue
28) Naphthalene	10.94	128	1532594	323.44	ng/ul#	94
30) 4-Chloroaniline	10.94	127	227712	122.46	ng/ul#	7
34) 2-Methylnaphthalene	12.53	142	282772	79.75	ng/ul	100
35) 1-Methylnaphthalene	12.74	142	103480	30.24	ng/ul	99
41) 1,1'-Biphenyl	13.53	154	55800	11.46	ng/ul	99
48) Acenaphthylene	14.42	152	15544	2.43	ng/ul#	94
50) Acenaphthene	14.76	153	227941	52.56	ng/ul	99
54) Dibenzofuran	15.09	168	208893	31.87	ng/ul	97
59) Fluorene	15.74	166	181535	34.43	ng/ul	100
61) 4-Nitroaniline	15.74	138	2191	1.96	ng/ul#	14
70) Phenanthrene	17.48	178	535625	58.63	ng/ul	100
72) Anthracene	17.57	178	29285	3.13	ng/ul	96
75) Carbazole	17.84	167	19979	2.53	ng/ul#	93
77) Fluoranthene	19.49	202	116261	10.42	ng/ul	100
80) Pyrene	19.85	202	66554	5.77	ng/ul	99

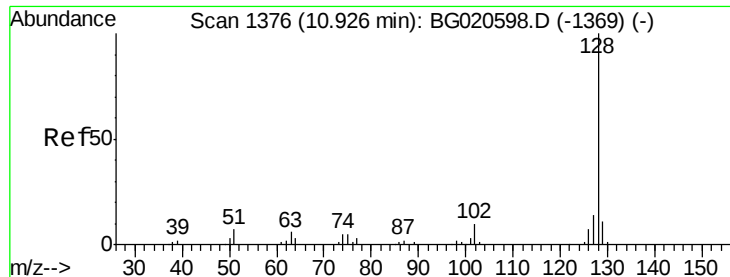
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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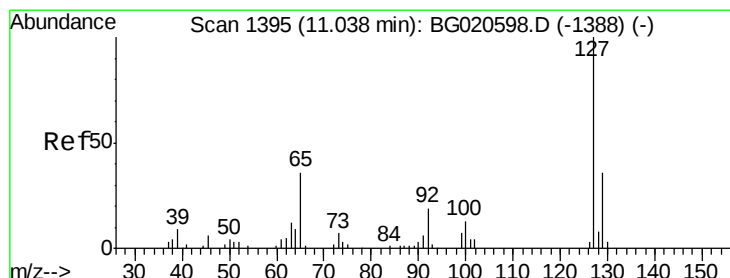
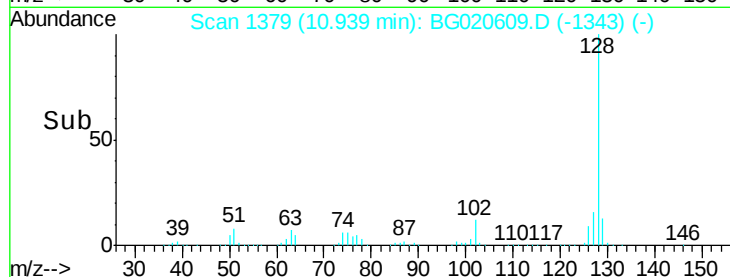
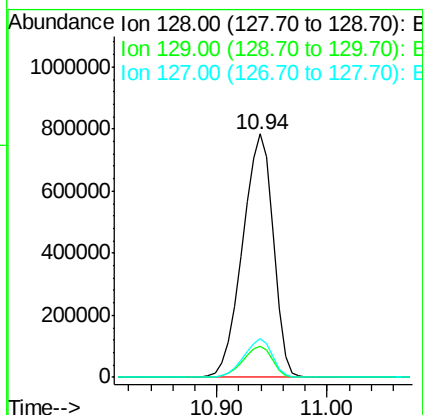
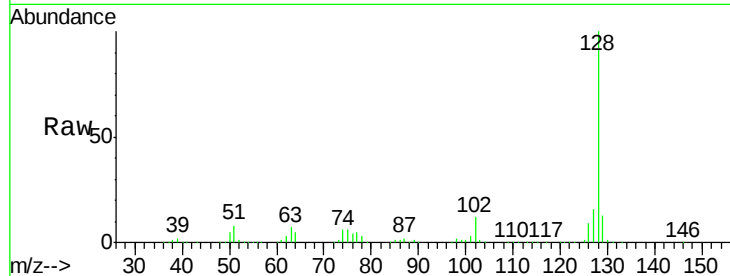




#28
Naphthalene
Concen: 323.44 ng/ul
RT: 10.94 min Scan# 1379
Delta R.T. 0.01 min
Lab File: BG020609.D
Acq: 30 Dec 2015 15:15

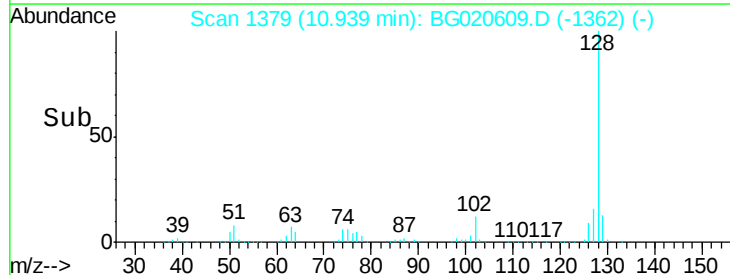
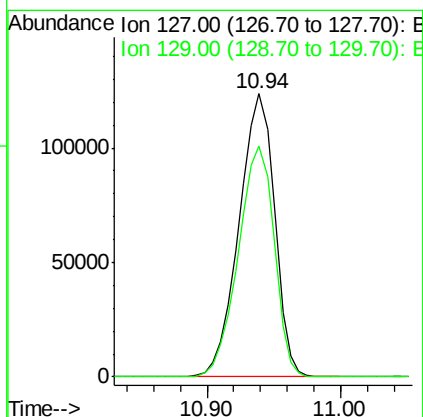
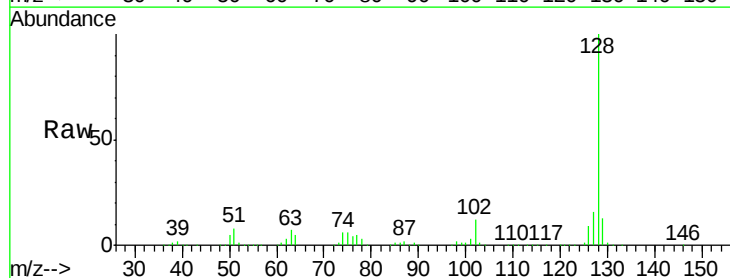
Instrument :
BNA_G
ClientSampleId :
D9N56

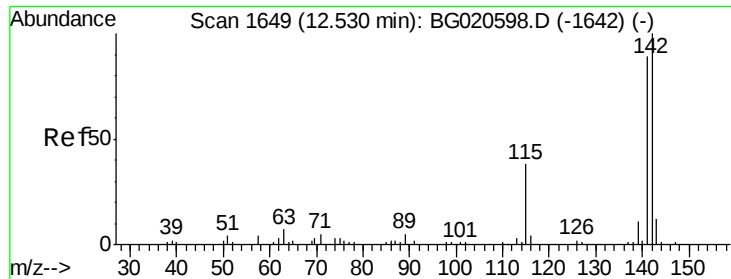
Tgt Ion:128 Resp: 1532594
Ion Ratio Lower Upper
128 100
129 12.9 8.3 12.5#
127 15.8 10.8 16.2



#30
4-Chloroaniline
Concen: 122.46 ng/ul
RT: 10.94 min Scan# 1379
Delta R.T. -0.10 min
Lab File: BG020609.D
Acq: 30 Dec 2015 15:15

Tgt Ion:127 Resp: 227712
Ion Ratio Lower Upper
127 100
129 81.7 24.6 37.0#

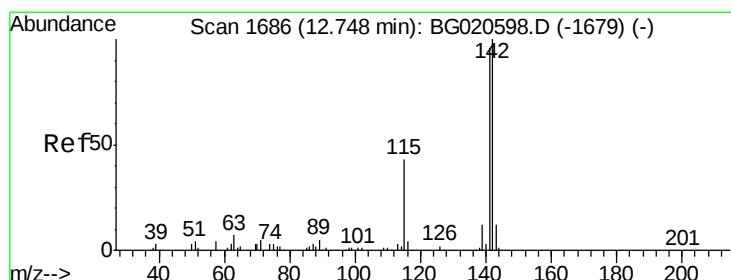
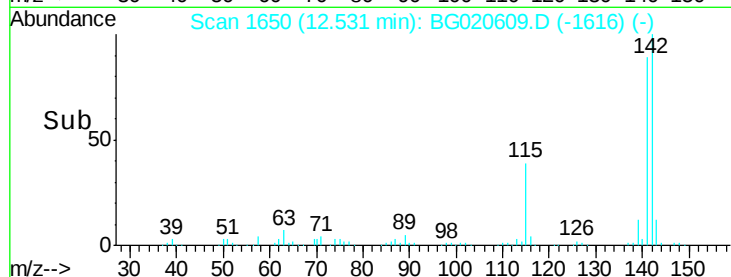
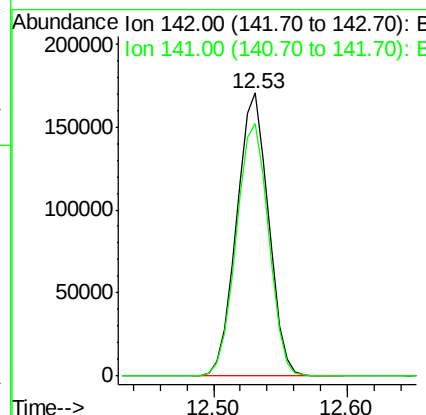
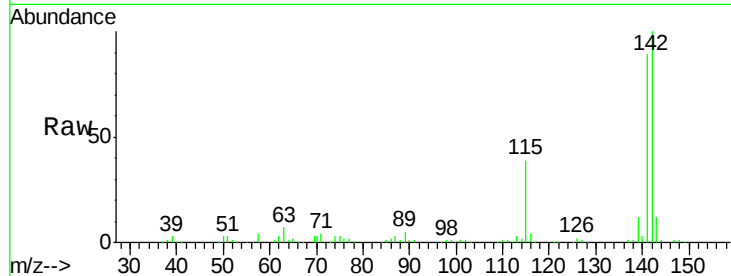




#34
 2-Methylnaphthalene
 Concen: 79.75 ng/ul
 RT: 12.53 min Scan# 1650
 Delta R.T. 0.00 min
 Lab File: BG020609.D
 Acq: 30 Dec 2015 15:15

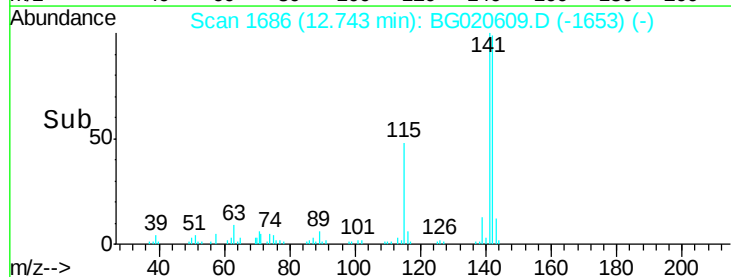
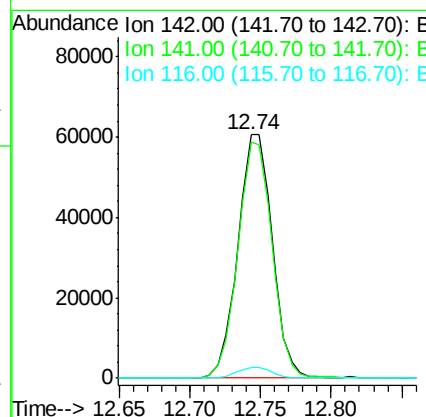
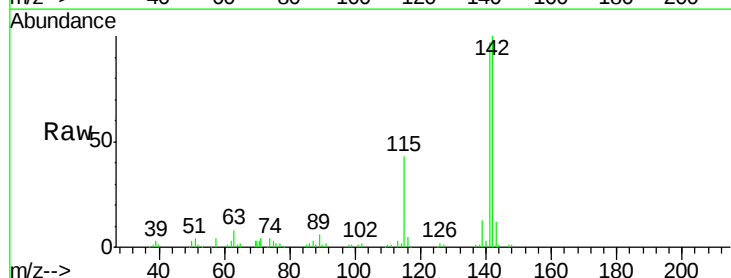
Instrument :
 BNA_G
 ClientSampleId :
 D9N56

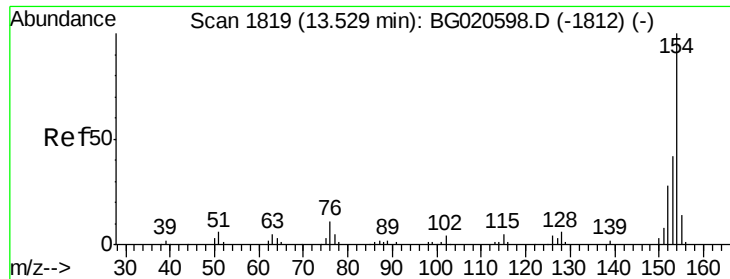
Tgt Ion:142 Resp: 282772
 Ion Ratio Lower Upper
 142 100
 141 89.3 71.4 107.2



#35
 1-Methylnaphthalene
 Concen: 30.24 ng/ul
 RT: 12.74 min Scan# 1686
 Delta R.T. -0.00 min
 Lab File: BG020609.D
 Acq: 30 Dec 2015 15:15

Tgt Ion:142 Resp: 103480
 Ion Ratio Lower Upper
 142 100
 141 96.7 76.6 115.0
 116 4.6 3.6 5.4

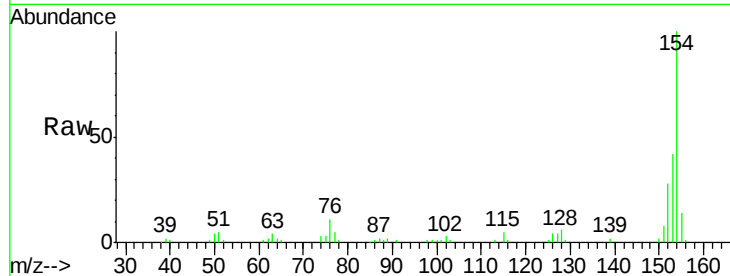




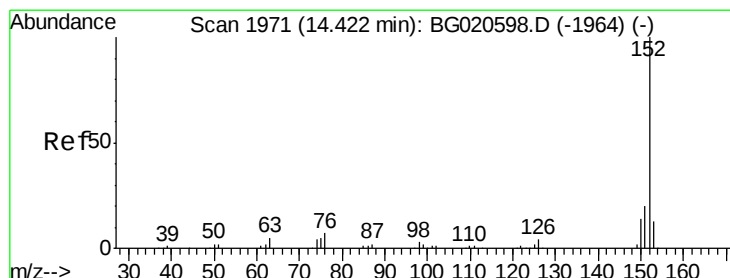
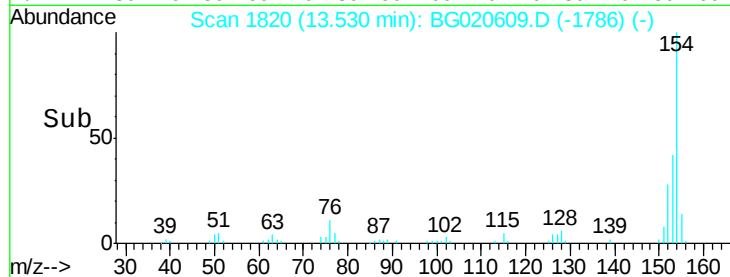
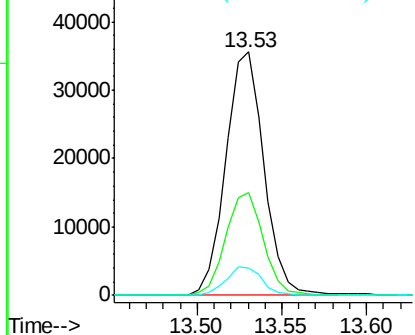
#41
 1,1'-Biphenyl
 Concen: 11.46 ng/ul
 RT: 13.53 min Scan# 1820
 Delta R.T. 0.00 min
 Lab File: BG020609.D
 Acq: 30 Dec 2015 15:15

Instrument :
 BNA_G
 ClientSampleId :
 D9N56

Tgt Ion:154 Resp: 55800
 Ion Ratio Lower Upper
 154 100
 153 42.2 34.0 51.0
 76 11.3 8.4 12.6

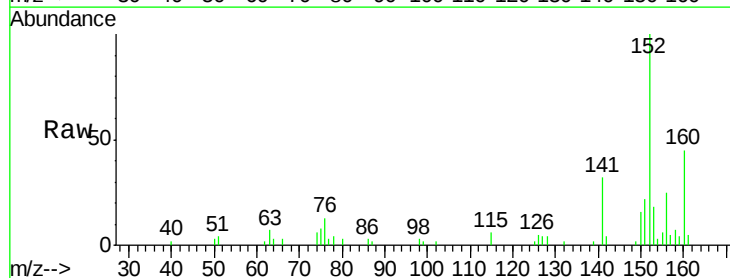


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): B

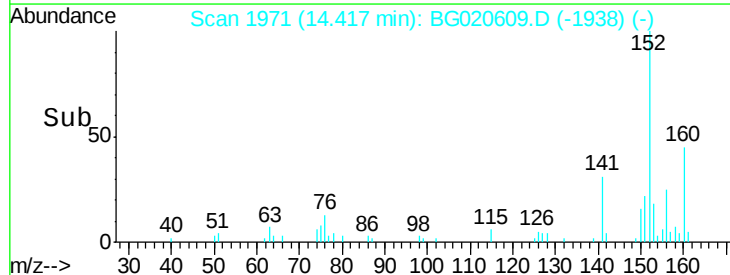
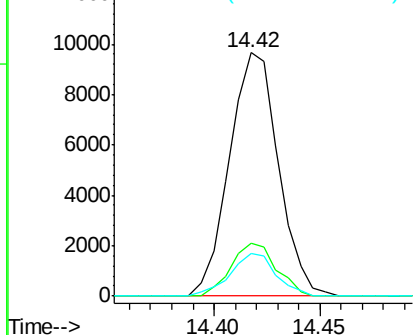


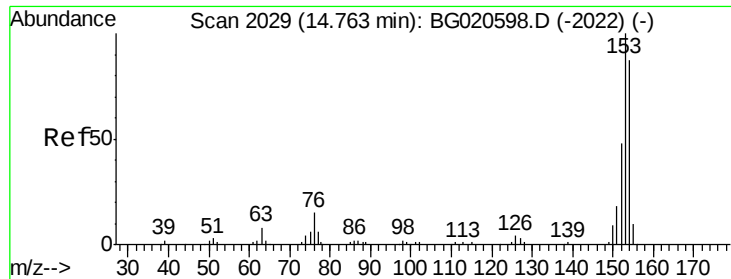
#48
 Acenaphthylene
 Concen: 2.43 ng/ul
 RT: 14.42 min Scan# 1971
 Delta R.T. -0.00 min
 Lab File: BG020609.D
 Acq: 30 Dec 2015 15:15

Tgt Ion:152 Resp: 15544
 Ion Ratio Lower Upper
 152 100
 151 21.8 16.1 24.1
 153 17.6 10.8 16.2#



Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 151.00 (150.70 to 151.70): E
 Ion 153.00 (152.70 to 153.70): E





#50

Acenaphthene

Concen: 52.56 ng/ul

RT: 14.76 min Scan# 2030

Delta R.T. 0.00 min

Lab File: BG020609.D

Acq: 30 Dec 2015 15:15

Instrument :

BNA_G

ClientSampleId :

D9N56

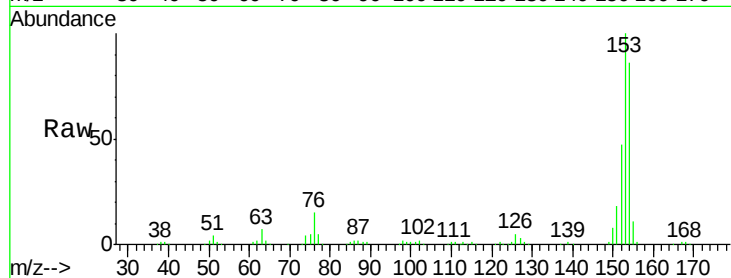
Tgt Ion:153 Resp: 227941

Ion Ratio Lower Upper

153 100

152 47.5 37.9 56.9

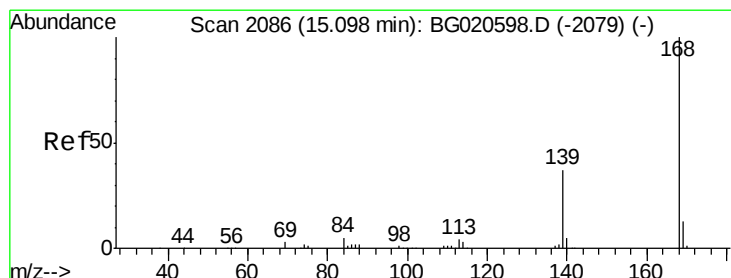
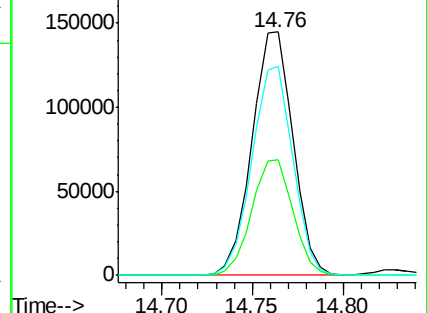
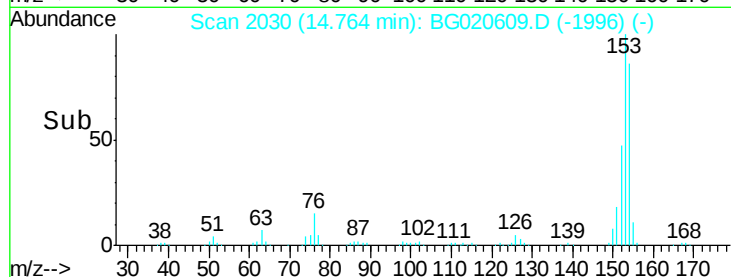
154 85.8 69.8 104.6



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: 31.87 ng/ul

RT: 15.09 min Scan# 2086

Delta R.T. -0.00 min

Lab File: BG020609.D

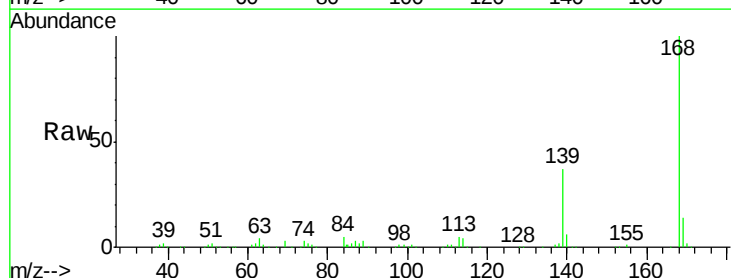
Acq: 30 Dec 2015 15:15

Tgt Ion:168 Resp: 208893

Ion Ratio Lower Upper

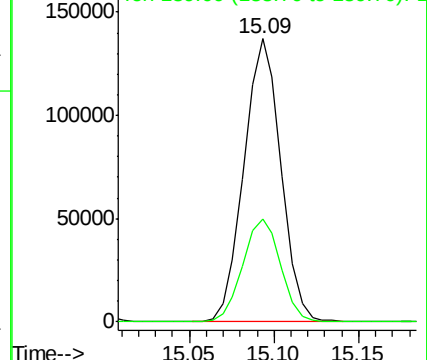
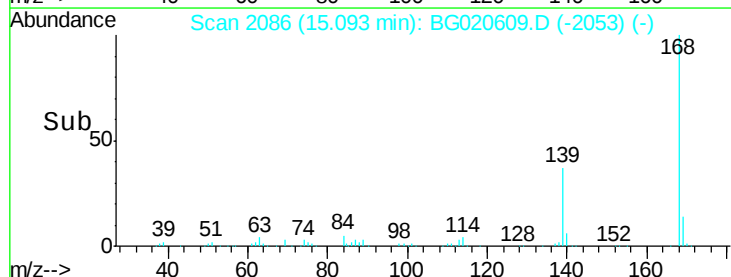
168 100

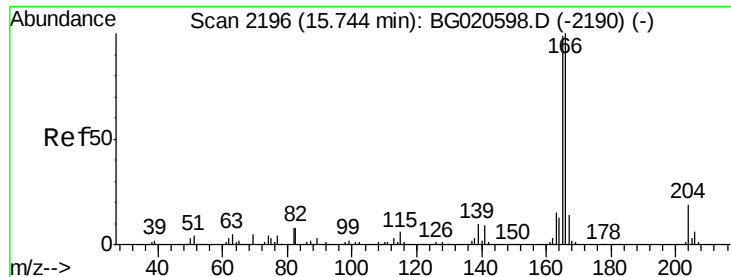
139 36.6 31.0 46.4



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#59

Fluorene

Concen: 34.43 ng/ul

RT: 15.74 min Scan# 2196

Delta R.T. -0.00 min

Lab File: BG020609.D

Acq: 30 Dec 2015 15:15

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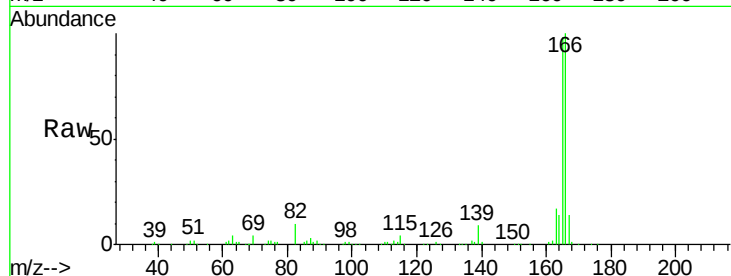
Tgt Ion:166 Resp: 181535

Ion Ratio Lower Upper

166 100

165 98.3 78.4 117.6

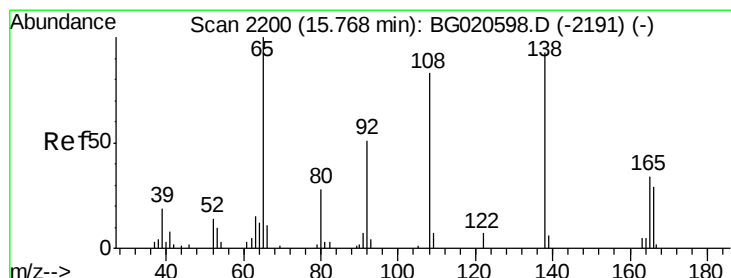
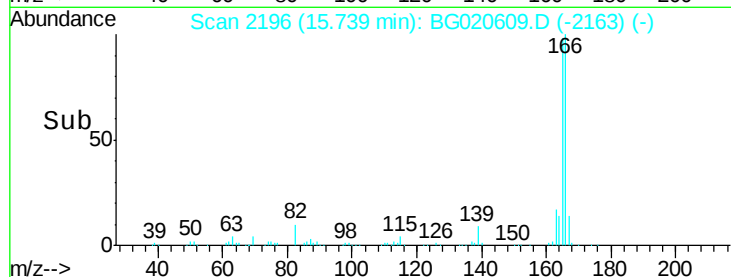
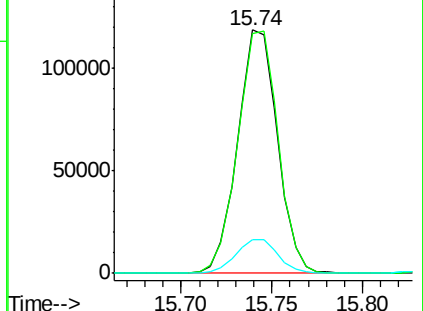
167 13.6 11.1 16.7



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



#61

4-Nitroaniline

Concen: 1.96 ng/ul

RT: 15.74 min Scan# 2196

Delta R.T. -0.03 min

Lab File: BG020609.D

Acq: 30 Dec 2015 15:15

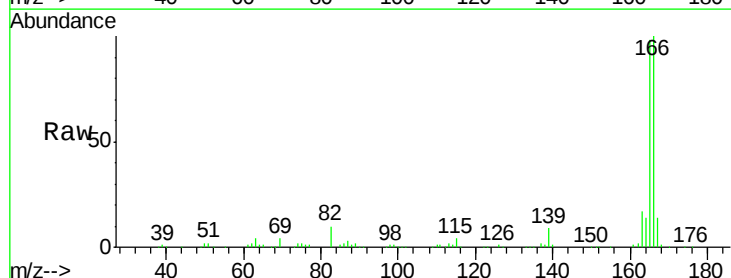
Tgt Ion:138 Resp: 2191

Ion Ratio Lower Upper

138 100

92 0.0 38.2 57.4#

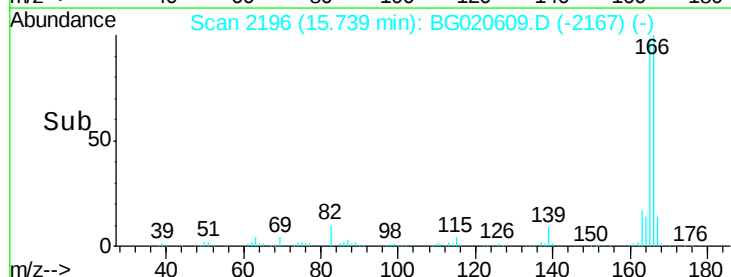
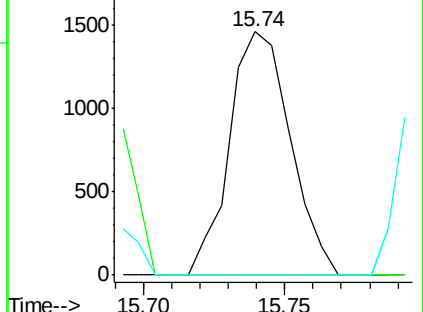
108 0.0 70.0 105.0#

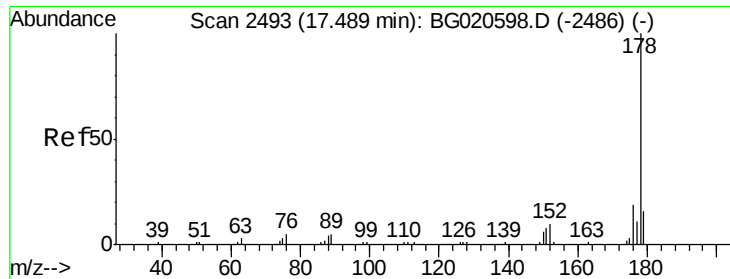


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BG

Ion 108.00 (107.70 to 108.70): E





#70

Phenanthrene

Concen: 58.63 ng/ul

RT: 17.48 min Scan# 2493

Delta R.T. -0.00 min

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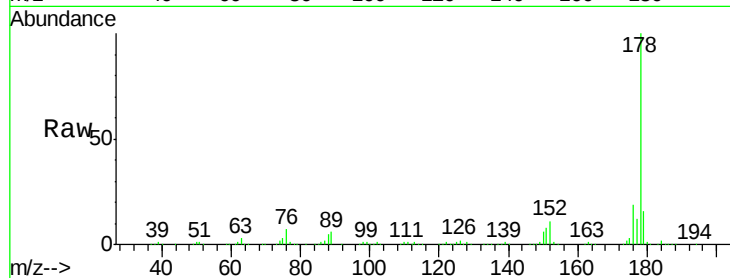
Tgt Ion:178 Resp: 535625

Ion Ratio Lower Upper

178 100

179 15.7 12.3 18.5

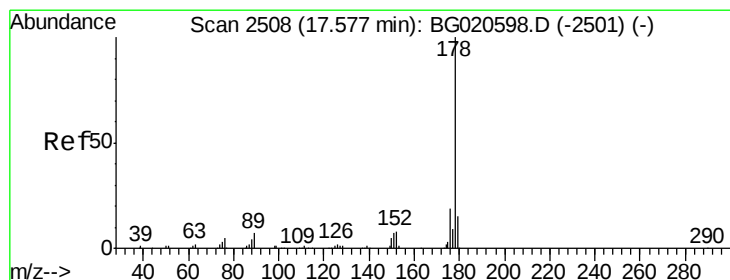
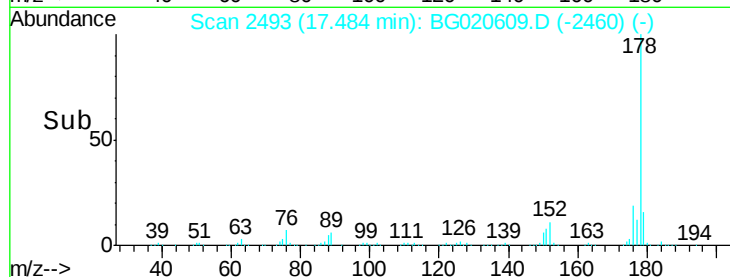
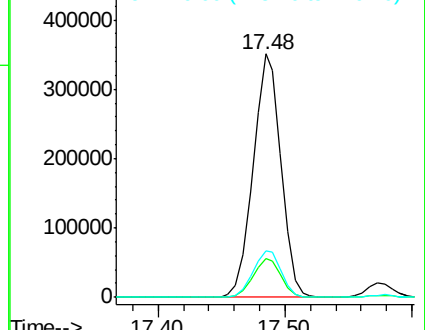
176 19.2 15.4 23.0



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: 3.13 ng/ul

RT: 17.57 min Scan# 2508

Delta R.T. -0.00 min

Lab File: BG020609.D

Acq: 30 Dec 2015 15:15

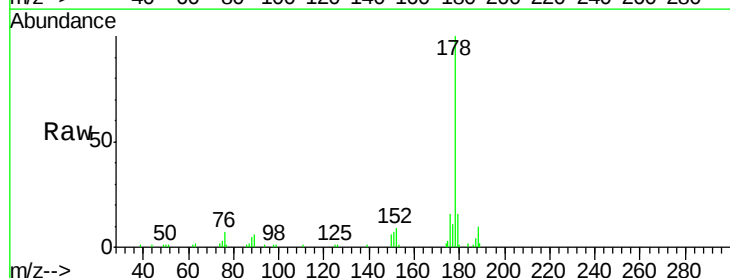
Tgt Ion:178 Resp: 29285

Ion Ratio Lower Upper

178 100

179 15.7 13.4 20.2

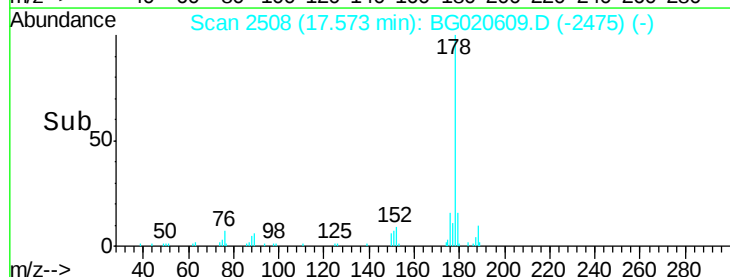
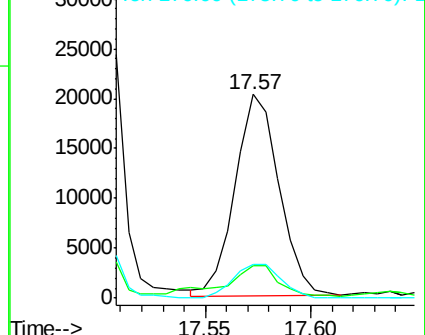
176 16.5 15.4 23.0

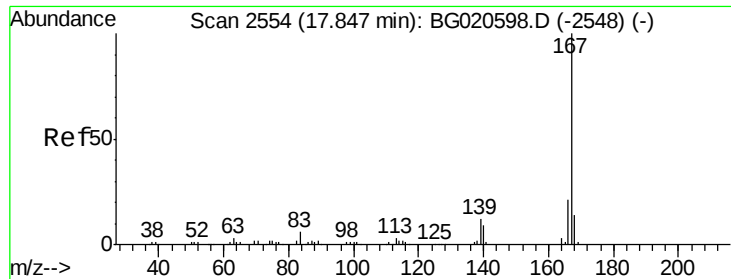


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#75

Carbazole

Concen: 2.53 ng/ul

RT: 17.84 min Scan# 2554

Delta R.T. -0.00 min

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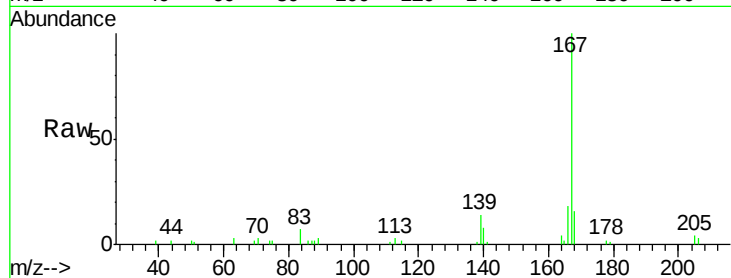
Tgt Ion:167 Resp: 19979

Ion Ratio Lower Upper

167 100

166 18.2 17.0 25.4

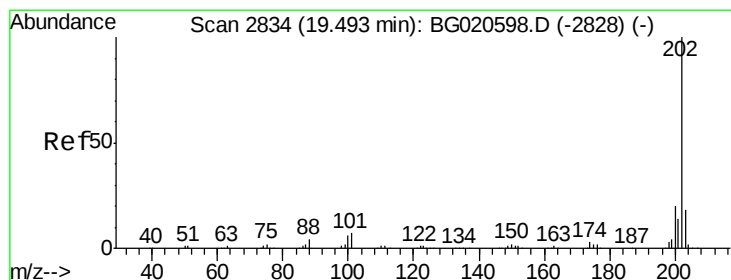
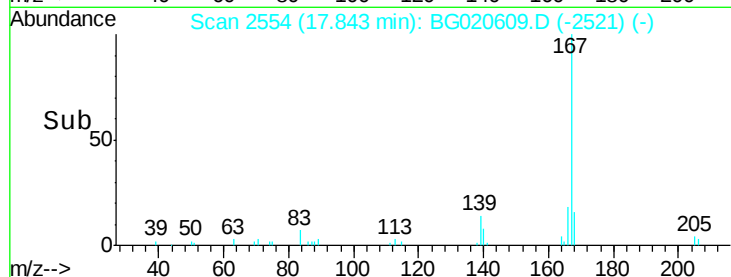
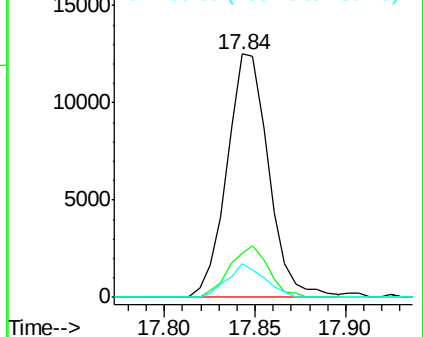
139 14.0 9.1 13.7#



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



#77

Fluoranthene

Concen: 10.42 ng/ul

RT: 19.49 min Scan# 2834

Delta R.T. -0.00 min

Lab File: BG020609.D

Acq: 30 Dec 2015 15:15

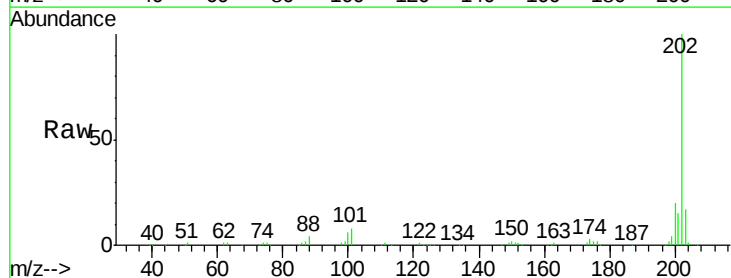
Tgt Ion:202 Resp: 116261

Ion Ratio Lower Upper

202 100

101 7.5 6.1 9.1

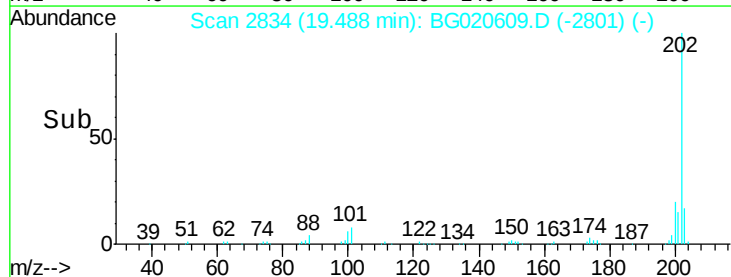
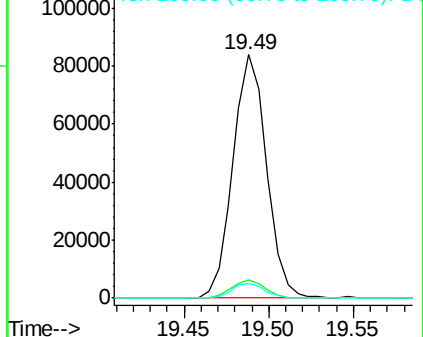
100 6.0 4.6 7.0

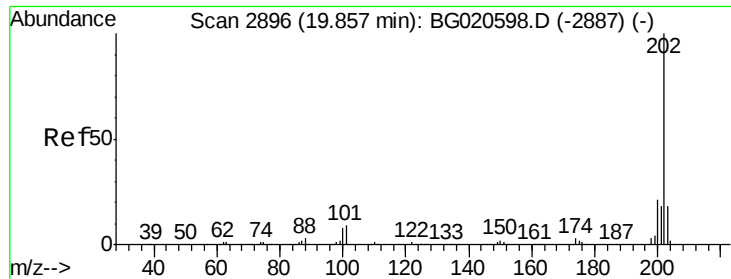


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

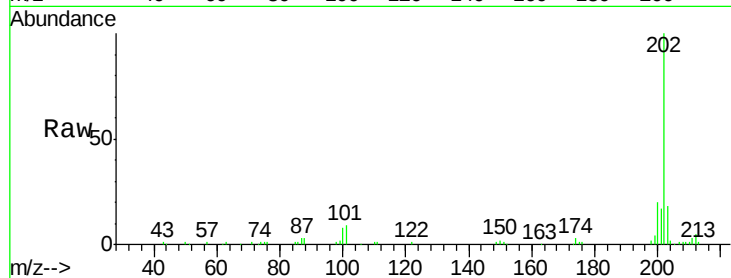




#80
 Pyrene
 Concen: 5.77 ng/ul
 RT: 19.85 min Scan# 2896
 Delta R.T. -0.00 min
 Lab File: BG020609.D
 Acq: 30 Dec 2015 15:15

Instrument :
 BNA_G
 ClientSampleId :
 D9N56

Tgt Ion: 202 Resp: 66554
 Ion Ratio Lower Upper
 202 100
 101 8.7 6.9 10.3
 100 7.8 5.6 8.4



Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

