

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121515\
 Data File : BG020163.D
 Acq On : 14 Dec 2015 21:37
 Operator : UM/SJ
 Sample : G4767-08
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N30

Quant Time: Dec 15 04:46:40 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Dec 15 04:25:21 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.10	152	21502	20.00	ng/ul	0.00
18) Naphthalene-d8	10.92	136	101566	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.73	164	75092	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.47	188	190669	20.00	ng/ul	0.00
78) Chrysene-d12	21.74	240	209739	20.00	ng/ul	0.00
86) Perylene-d12	25.01	264	200384	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.47	96	1865	4.79	ng/uL	0.00
5) Phenol-d5	7.24	99	46854	24.71	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.41	67	29127	25.75	ng/ul	0.00
9) 2-Chlorophenol-d4	7.63	132	35527	25.76	ng/ul	0.00
13) 4-Methylphenol-d8	8.80	113	42303	26.09	ng/ul	0.00
19) Nitrobenzene-d5	9.27	128	19773	24.97	ng/ul	0.00
22) 2-Nitrophenol-d4	9.99	143	23595	26.78	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.53	165	45298	25.38	ng/ul	0.00
29) 4-Chloroaniline-d4	11.05	131	56846	28.36	ng/ul	0.00
44) Dimethylphthalate-d6	14.13	166	164912	27.15	ng/ul	0.00
47) Acenaphthylene-d8	14.42	160	183329	25.94	ng/ul	0.00
52) 4-Nitrophenol-d4	14.91	143	27541	25.28	ng/ul	0.00
58) Fluorene-d10	15.72	176	138990	25.23	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.83	200	26274	23.24	ng/ul	0.00
71) Anthracene-d10	17.57	188	228725	26.03	ng/ul	0.00
79) Pyrene-d10	19.85	212	261504	26.75	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.79	264	271245	27.14	ng/ul	0.00

Target Compounds

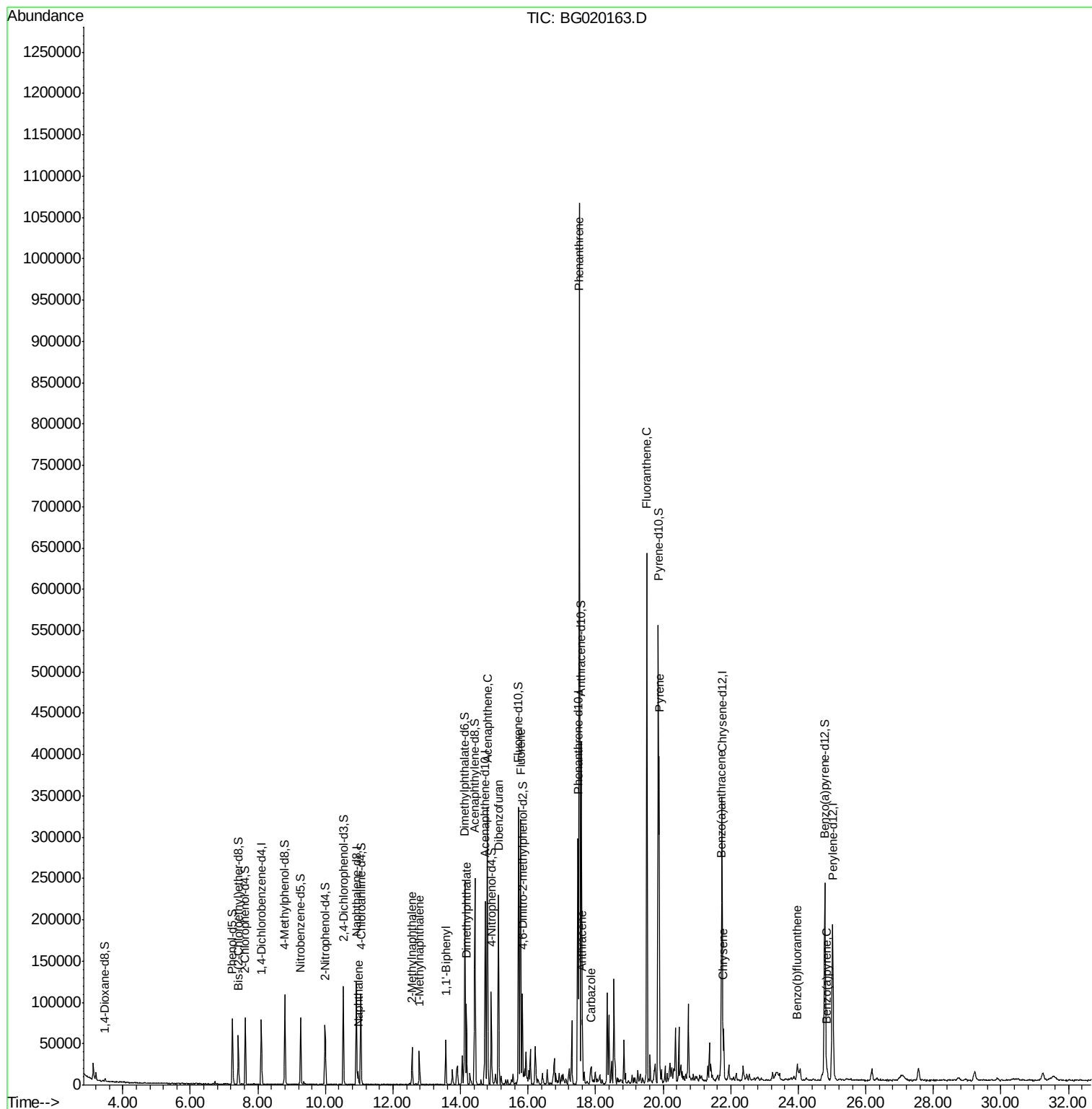
						Qvalue
28) Naphthalene	10.96	128	14509	2.74	ng/ul	97
34) 2-Methylnaphthalene	12.57	142	21776	5.37	ng/ul	98
35) 1-Methylnaphthalene	12.78	142	19571	5.02	ng/ul	98
41) 1,1'-Biphenyl	13.57	154	28901	5.10	ng/ul	91
45) Dimethylphthalate	14.17	163	63331	10.21	ng/ul	100
50) Acenaphthene	14.79	153	138469	27.41	ng/ul	98
54) Dibenzofuran	15.12	168	150312	20.00	ng/ul	99
59) Fluorene	15.78	166	141608	23.47	ng/ul	99
70) Phenanthrene	17.52	178	684589	65.64	ng/ul	98
72) Anthracene	17.60	178	58324	5.51	ng/ul	98
75) Carbazole	17.87	167	11911	1.34	ng/ul#	93
77) Fluoranthene	19.52	202	410713	33.70	ng/ul	99
80) Pyrene	19.88	202	272332	21.45	ng/ul	98
83) Benzo(a)anthracene	21.72	228	60289	4.93	ng/ul	97
85) Chrysene	21.79	228	50419	4.37	ng/ul	96
88) Benzo(b)fluoranthene	23.97	252	25568	2.12	ng/ul	96
91) Benzo(a)pyrene	24.85	252	14879	1.30	ng/ul	98

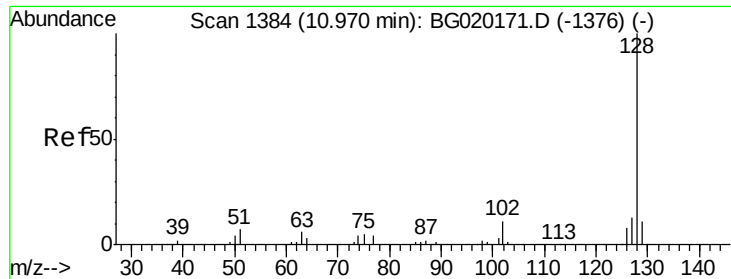
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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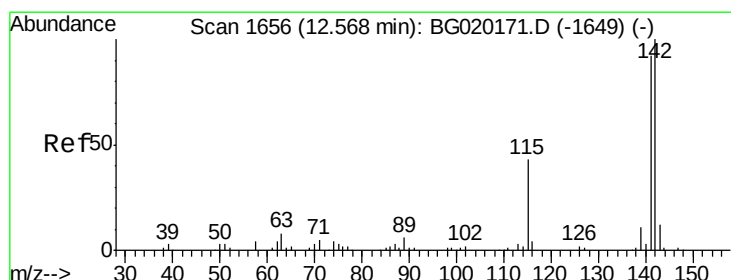
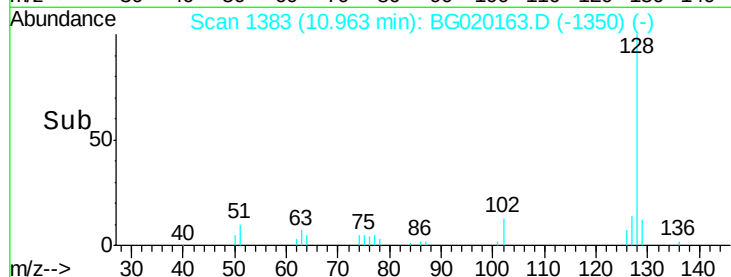
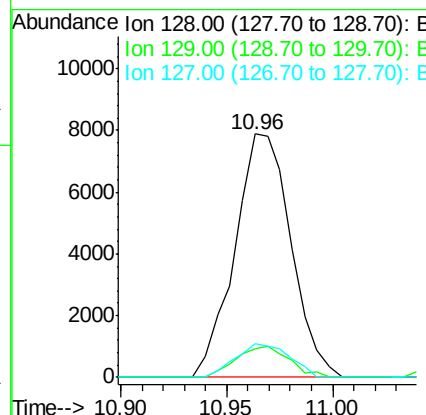
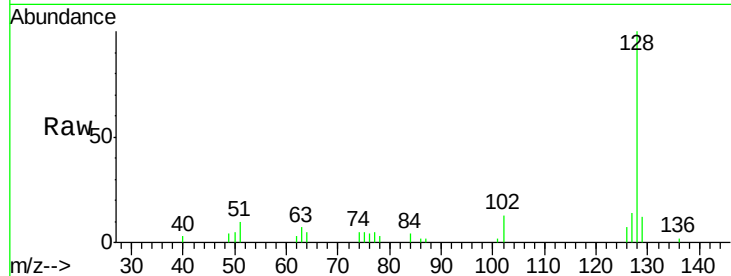




#28
Naphthalene
Concen: 2.74 ng/ul
RT: 10.96 min Scan# 1383
Delta R.T. -0.01 min
Lab File: BG020163.D
Acq: 14 Dec 2015 21:37

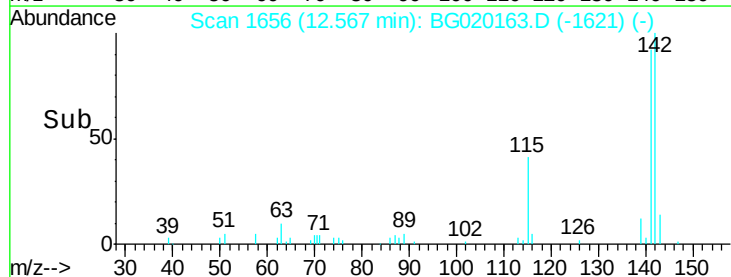
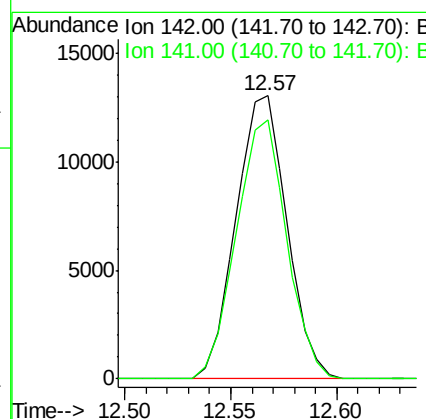
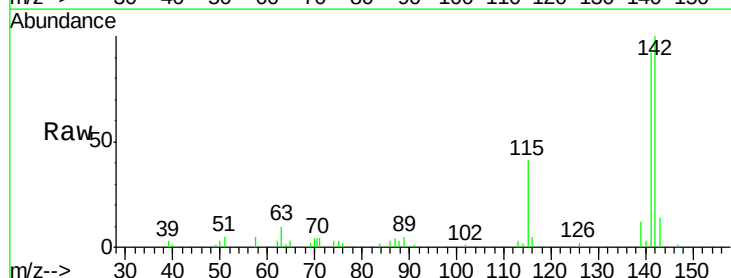
Instrument :
BNA_G
ClientSampleId :
D9N30

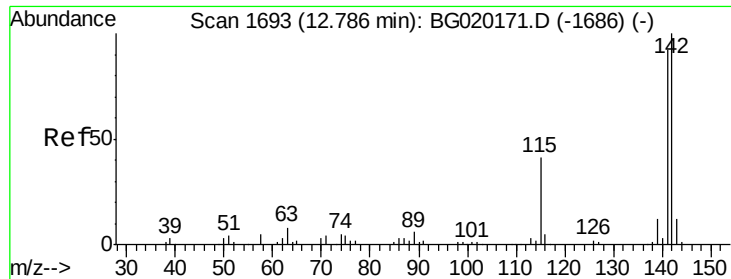
Tgt Ion:128 Resp: 14509
Ion Ratio Lower Upper
128 100
129 11.5 8.6 12.8
127 13.8 10.1 15.1



#34
2-Methylnaphthalene
Concen: 5.37 ng/ul
RT: 12.57 min Scan# 1656
Delta R.T. 0.01 min
Lab File: BG020163.D
Acq: 14 Dec 2015 21:37

Tgt Ion:142 Resp: 21776
Ion Ratio Lower Upper
142 100
141 91.7 74.9 112.3





#35

1-Methylnaphthalene

Concen: 5.02 ng/ul

RT: 12.78 min Scan# 1692

Delta R.T. -0.01 min

Lab File: BG020163.D

Acq: 14 Dec 2015 21:37

Instrument :

BNA_G

ClientSampleId :

D9N30

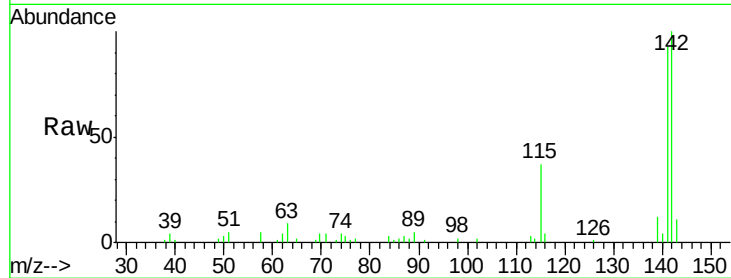
Tgt Ion:142 Resp: 19571

Ion Ratio Lower Upper

142 100

141 93.2 73.0 109.6

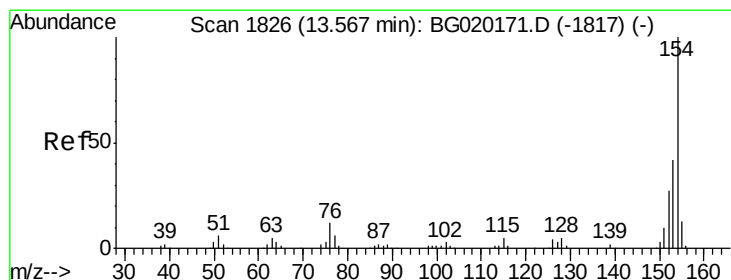
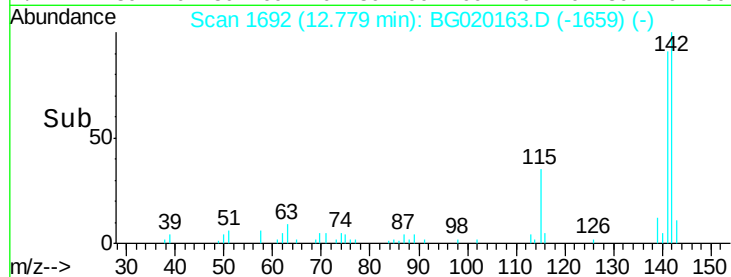
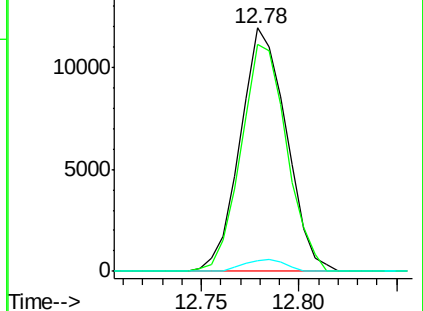
116 4.3 3.0 4.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E



#41

1,1'-Biphenyl

Concen: 5.10 ng/ul

RT: 13.57 min Scan# 1826

Delta R.T. -0.00 min

Lab File: BG020163.D

Acq: 14 Dec 2015 21:37

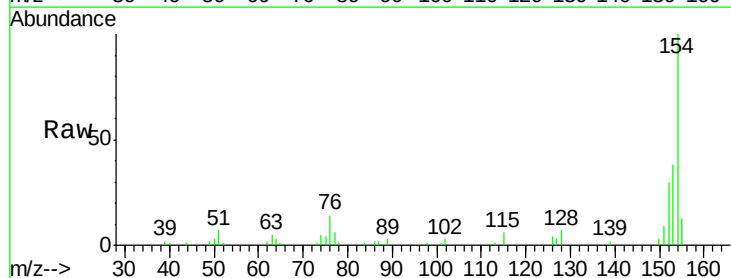
Tgt Ion:154 Resp: 28901

Ion Ratio Lower Upper

154 100

153 37.6 35.5 53.3

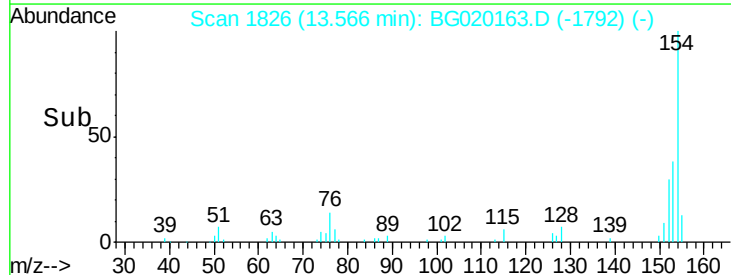
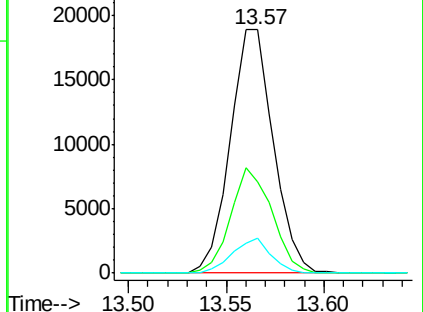
76 14.4 10.4 15.6

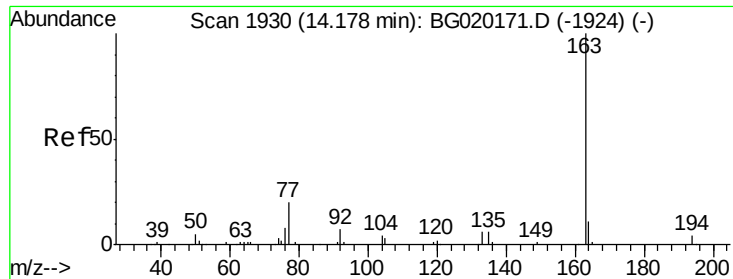


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BG

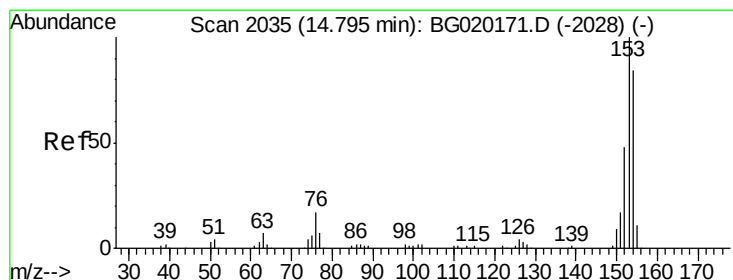
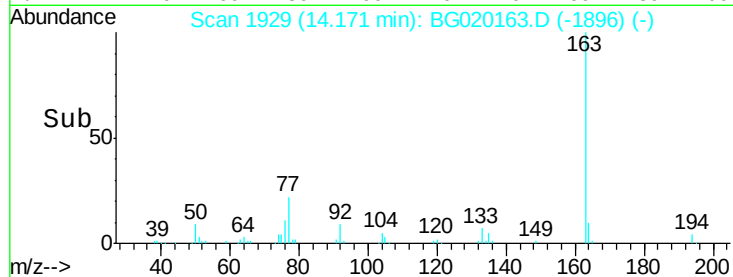
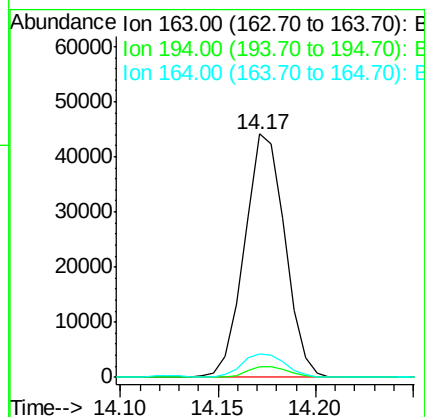
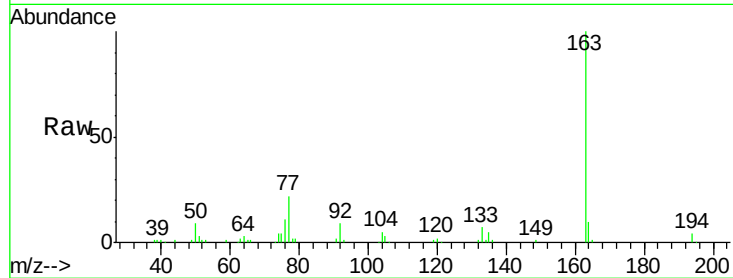




#45
Dimethylphthalate
Concen: 10.21 ng/ul
RT: 14.17 min Scan# 1929
Delta R.T. -0.01 min
Lab File: BG020163.D
Acq: 14 Dec 2015 21:37

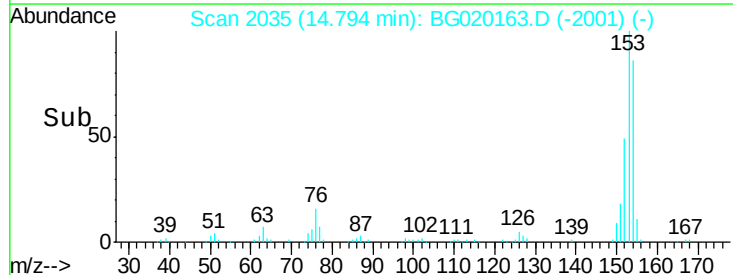
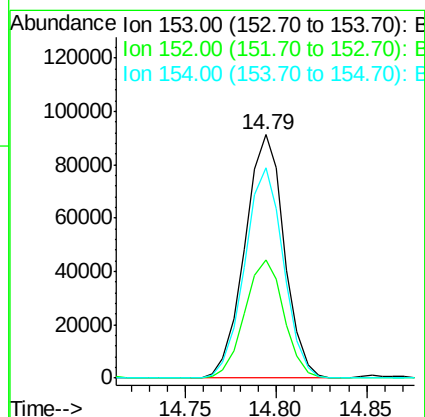
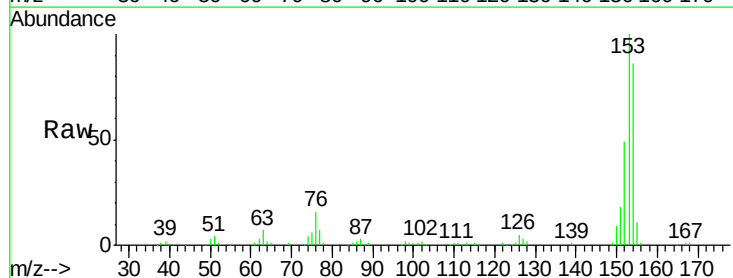
Instrument :
BNA_G
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D9N30

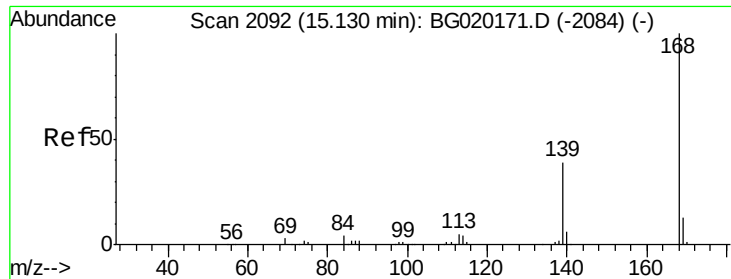
Tgt Ion:163 Resp: 63331
Ion Ratio Lower Upper
163 100
194 4.2 3.5 5.3
164 9.5 7.7 11.5



#50
Acenaphthene
Concen: 27.41 ng/ul
RT: 14.79 min Scan# 2035
Delta R.T. -0.00 min
Lab File: BG020163.D
Acq: 14 Dec 2015 21:37

Tgt Ion:153 Resp: 138469
Ion Ratio Lower Upper
153 100
152 48.8 37.6 56.4
154 86.4 67.9 101.9





#54

Dibenzenofuran

Concen: 20.00 ng/ul

RT: 15.12 min Scan# 2091

Delta R.T. -0.00 min

Lab File: BG020163.D

Acq: 14 Dec 2015 21:37

Instrument :

BNA_G

ClientSampleId :

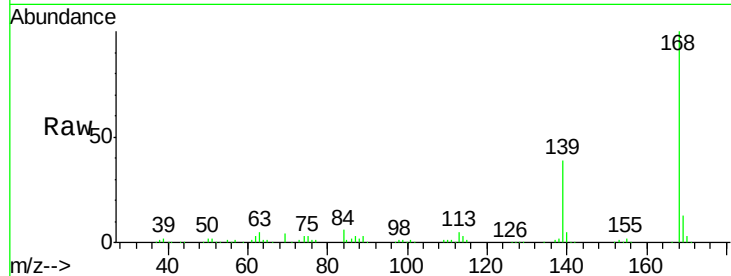
D9N30

Tgt Ion:168 Resp: 150312

Ion Ratio Lower Upper

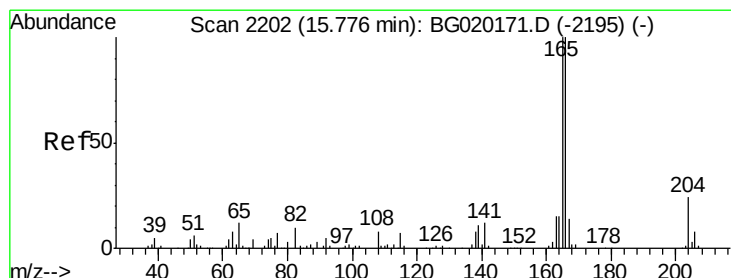
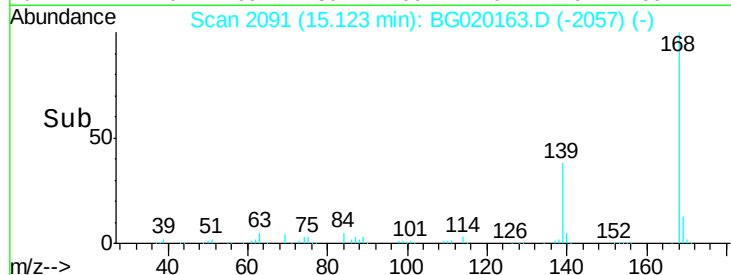
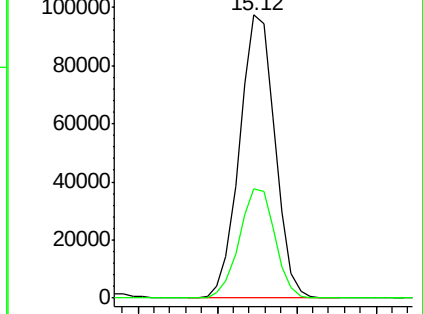
168 100

139 38.6 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: 23.47 ng/ul

RT: 15.78 min Scan# 2202

Delta R.T. -0.00 min

Lab File: BG020163.D

Acq: 14 Dec 2015 21:37

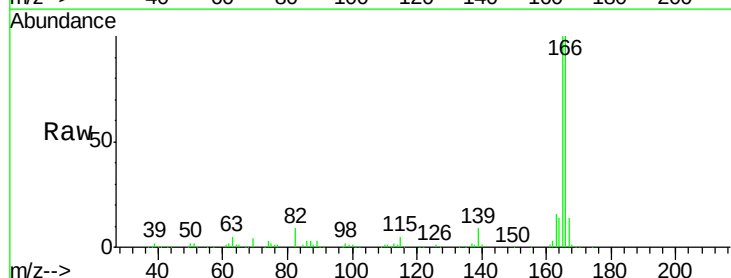
Tgt Ion:166 Resp: 141608

Ion Ratio Lower Upper

166 100

165 100.4 81.4 122.0

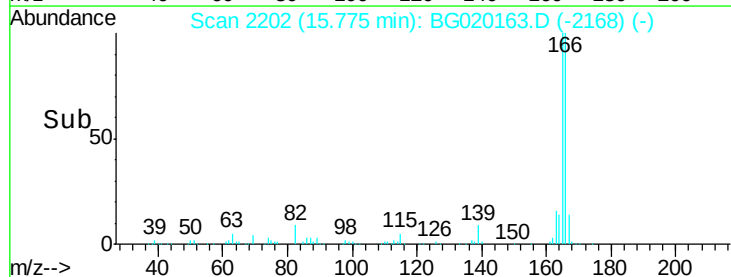
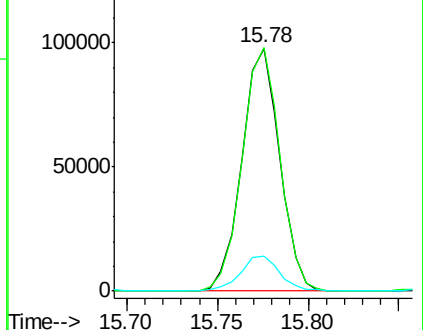
167 14.2 11.2 16.8

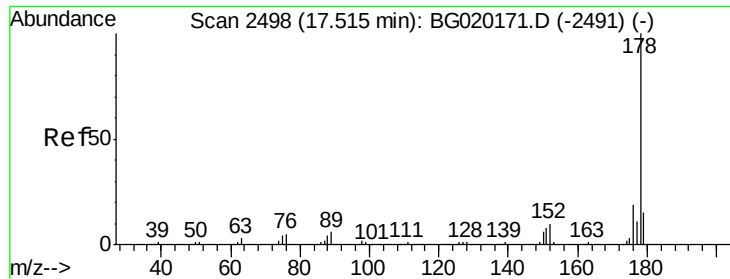


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#70

Phenanthrene

Concen: 65.64 ng/ul

RT: 17.52 min Scan# 2499

Delta R.T. 0.01 min

Lab File: BG020163.D

Acq: 14 Dec 2015 21:37

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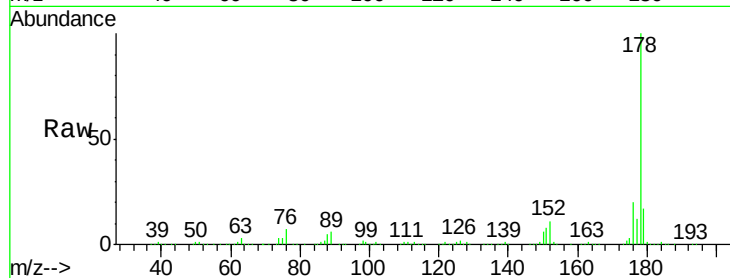
Tgt Ion:178 Resp: 684589

Ion Ratio Lower Upper

178 100

179 16.7 12.9 19.3

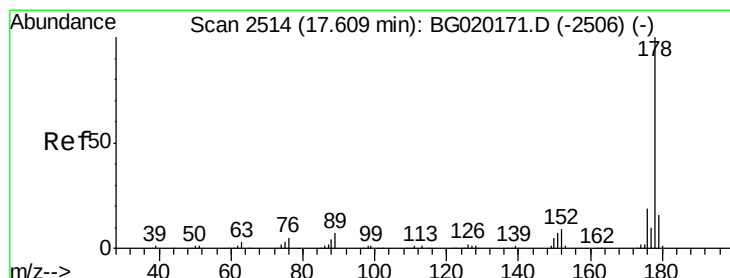
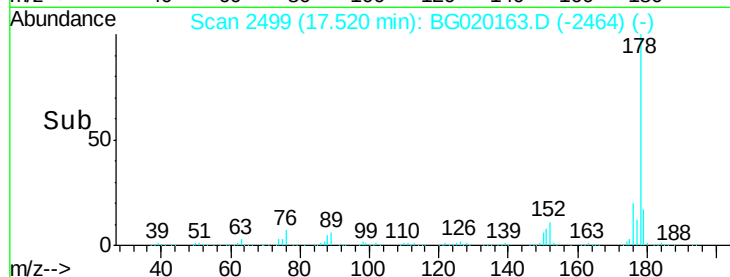
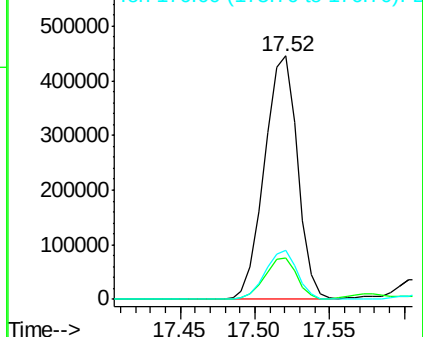
176 20.1 15.3 22.9



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: 5.51 ng/ul

RT: 17.60 min Scan# 2513

Delta R.T. -0.00 min

Lab File: BG020163.D

Acq: 14 Dec 2015 21:37

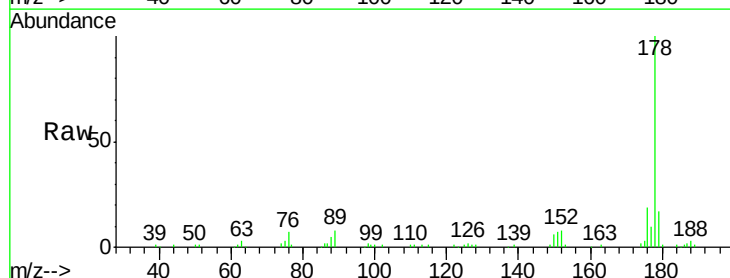
Tgt Ion:178 Resp: 58324

Ion Ratio Lower Upper

178 100

179 16.8 12.3 18.5

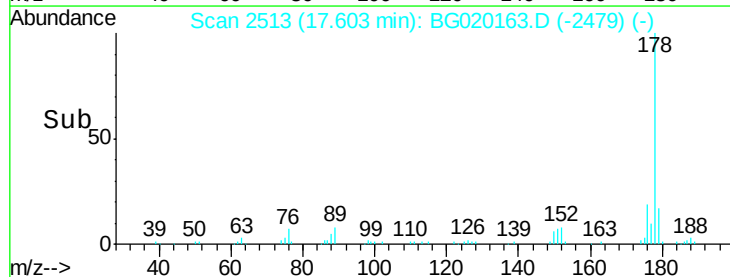
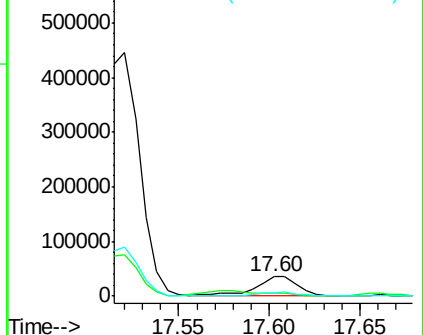
176 18.7 14.3 21.5

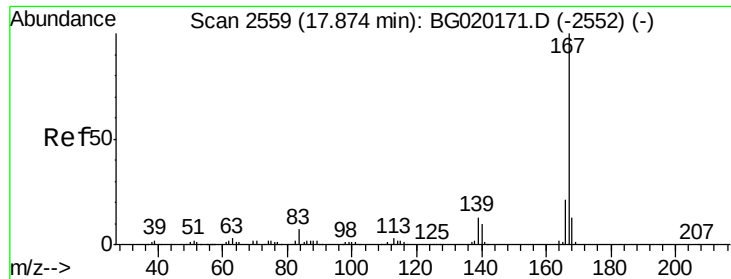


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#75

Carbazole

Concen: 1.34 ng/ul

RT: 17.87 min Scan# 2558

Delta R.T. -0.01 min

Lab File: BG020163.D

Acq: 14 Dec 2015 21:37

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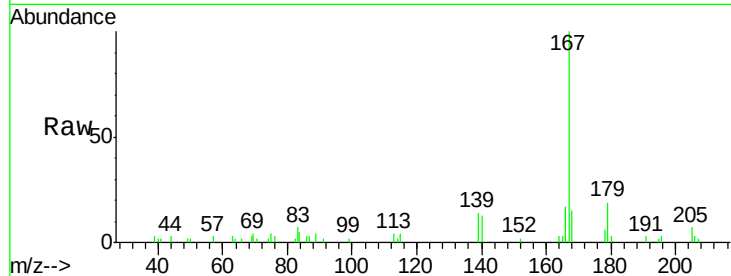
Tgt Ion:167 Resp: 11911

Ion Ratio Lower Upper

167 100

166 17.0 17.0 25.6#

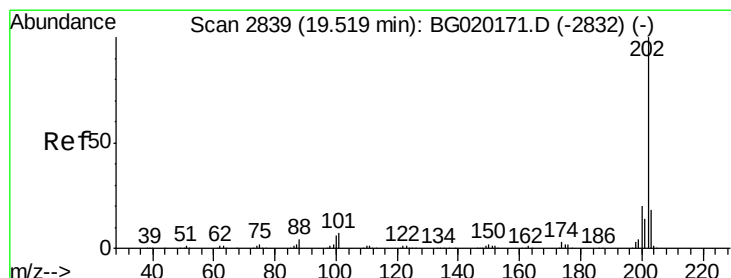
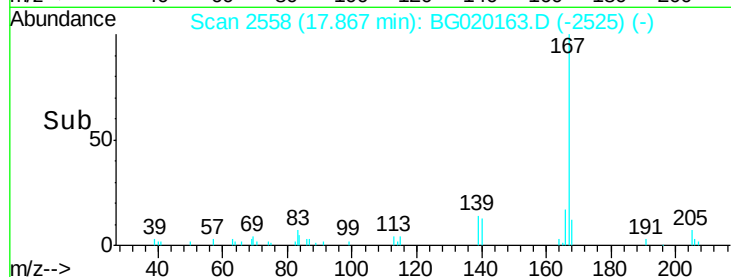
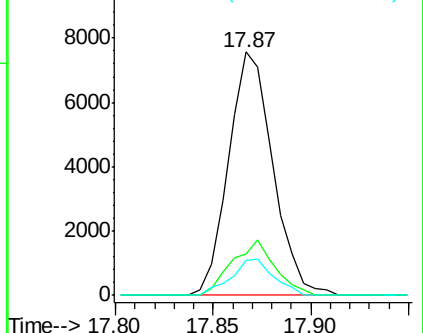
139 14.3 10.1 15.1



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: 33.70 ng/ul

RT: 19.52 min Scan# 2839

Delta R.T. -0.00 min

Lab File: BG020163.D

Acq: 14 Dec 2015 21:37

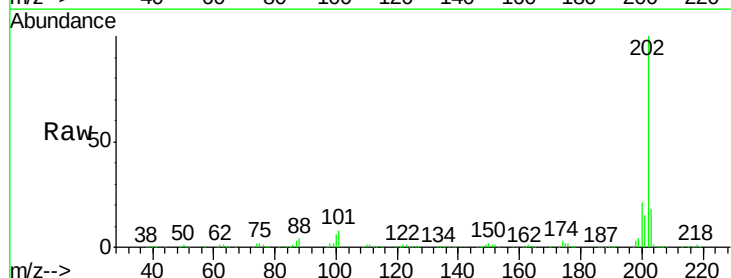
Tgt Ion:202 Resp: 410713

Ion Ratio Lower Upper

202 100

101 7.5 6.2 9.4

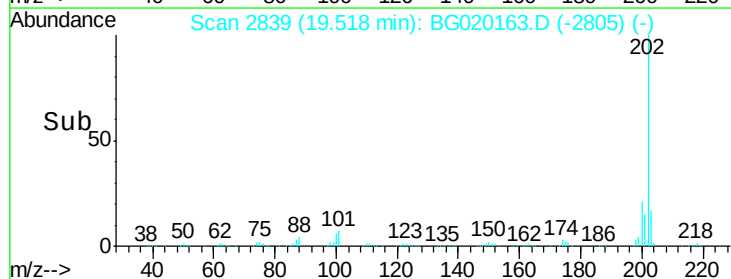
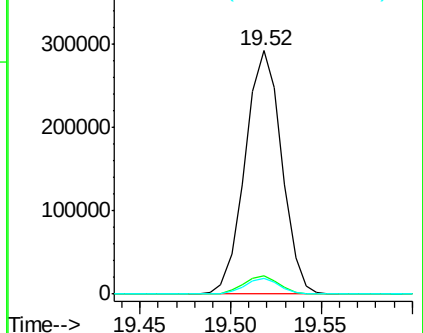
100 6.3 5.1 7.7

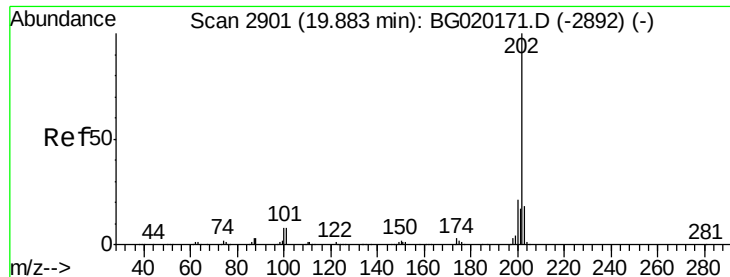


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

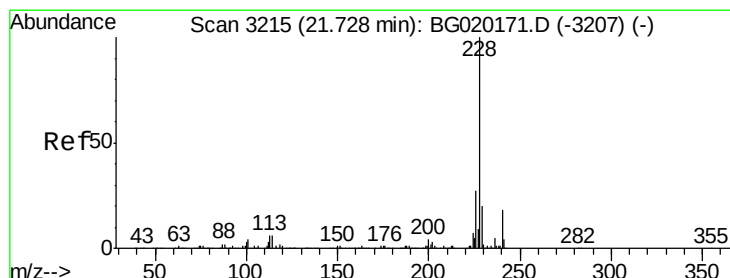
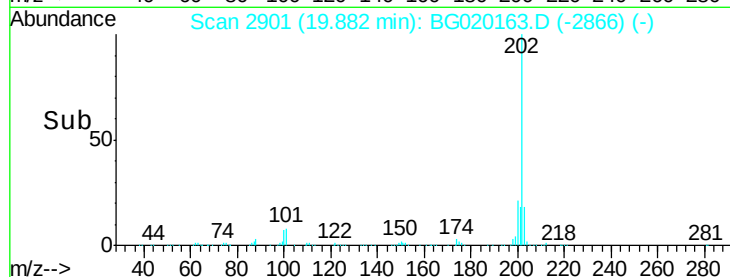
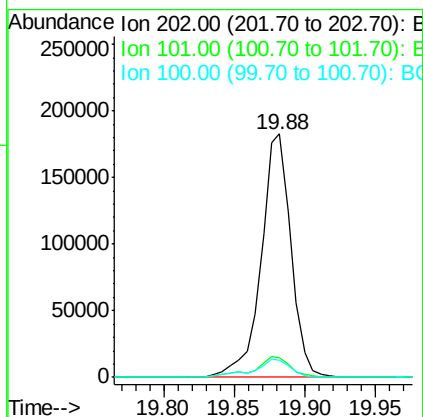
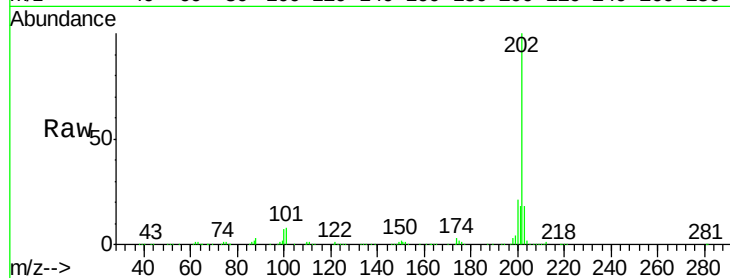




#80
 Pyrene
 Concen: 21.45 ng/ul
 RT: 19.88 min Scan# 2901
 Delta R.T. 0.01 min
 Lab File: BG020163.D
 Acq: 14 Dec 2015 21:37

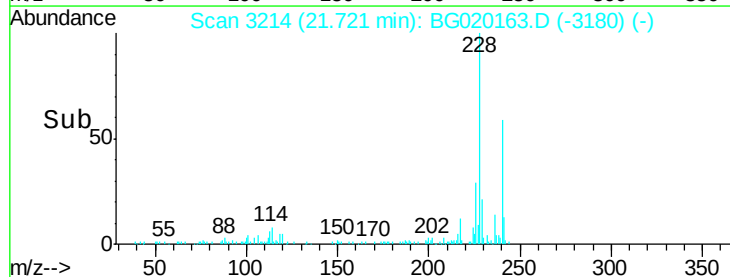
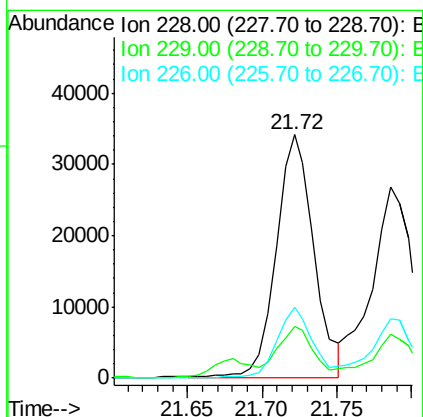
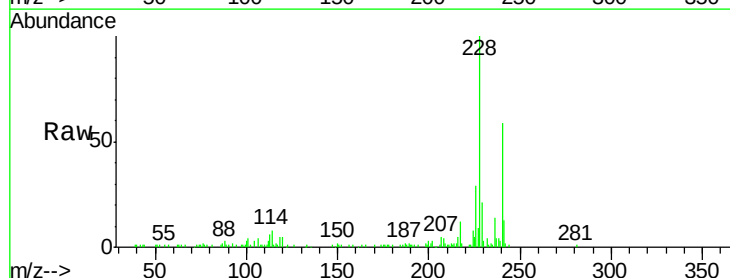
Instrument :
 BNA_G
 ClientSampleId :
 D9N30

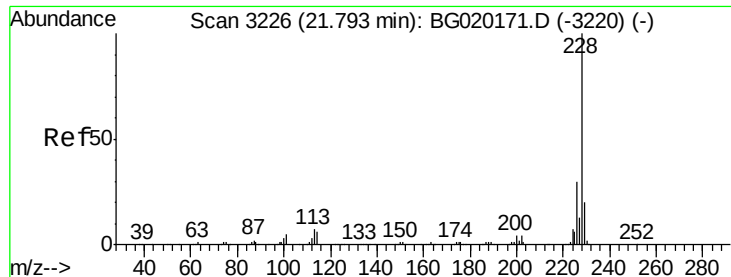
Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.1	7.0	10.4
100	7.1	6.4	9.6



#83
 Benzo(a)anthracene
 Concen: 4.93 ng/ul
 RT: 21.72 min Scan# 3214
 Delta R.T. -0.00 min
 Lab File: BG020163.D
 Acq: 14 Dec 2015 21:37

Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.3	15.8	23.8
226	29.0	21.8	32.6





#85

Chrysene

Concen: 4.37 ng/ul

RT: 21.79 min Scan# 3225

Delta R.T. -0.01 min

Lab File: BG020163.D

Acq: 14 Dec 2015 21:37

Instrument :

BNA_G

ClientSampleId :

D9N30

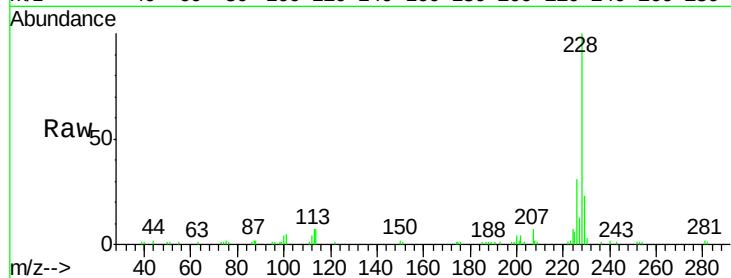
Tgt Ion:228 Resp: 50419

Ion Ratio Lower Upper

228 100

226 30.9 23.9 35.9

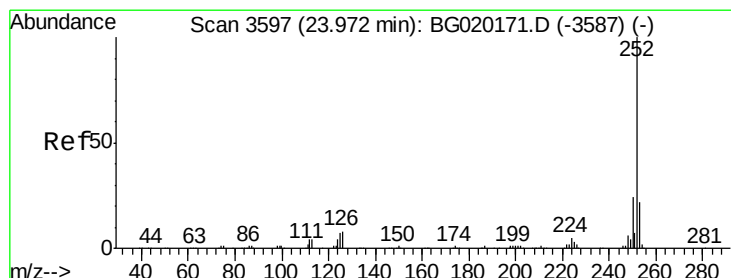
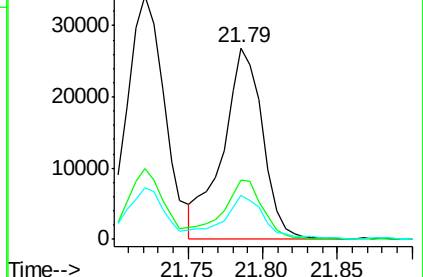
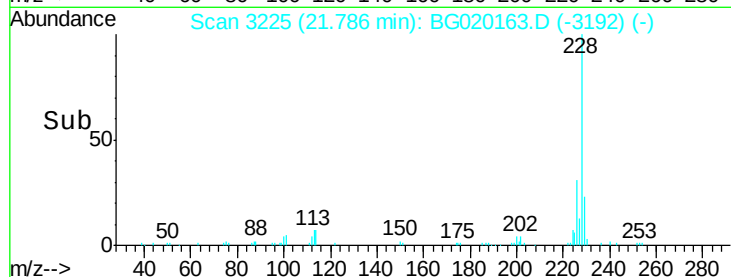
229 23.1 15.6 23.4



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#88

Benzo(b)fluoranthene

Concen: 2.12 ng/ul

RT: 23.97 min Scan# 3596

Delta R.T. -0.01 min

Lab File: BG020163.D

Acq: 14 Dec 2015 21:37

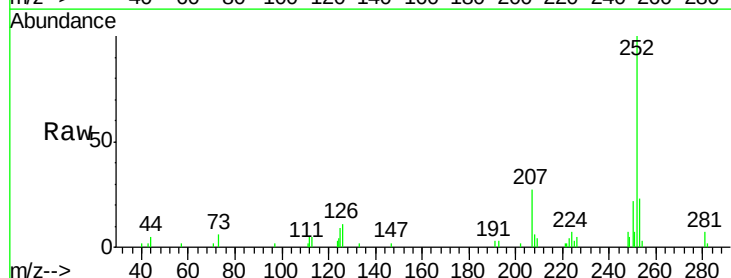
Tgt Ion:252 Resp: 25568

Ion Ratio Lower Upper

252 100

253 22.9 16.7 25.1

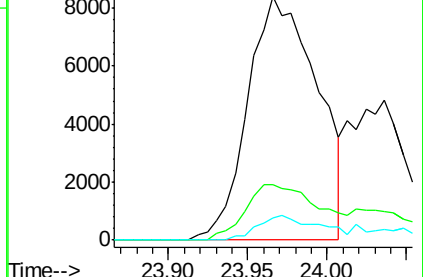
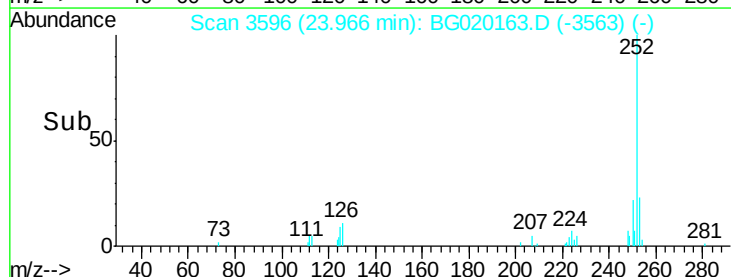
125 9.2 6.2 9.2

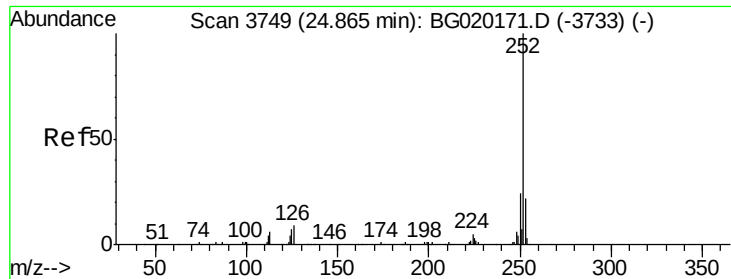


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a)pyrene

Concen: 1.30 ng/ul

RT: 24.85 min Scan# 3747

Delta R.T. -0.01 min

Lab File: BG020163.D

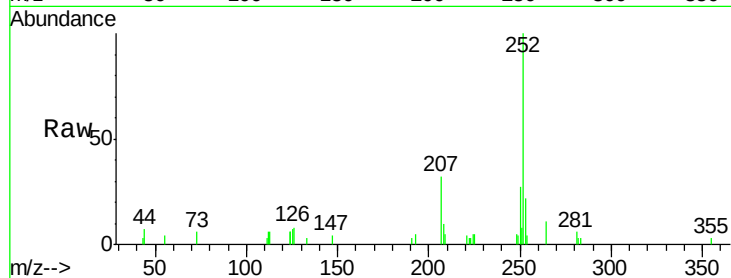
Acq: 14 Dec 2015 21:37

Instrument :

BNA_G

ClientSampleId :

D9N30



Tgt Ion: 252 Resp: 14879

Ion Ratio Lower Upper

252 100

253 22.3 17.0 25.4

125 7.0 6.2 9.4

