

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121515\
 Data File : BG020165.D
 Acq On : 14 Dec 2015 22:56
 Operator : UM/SJ
 Sample : G4767-17
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N39

Quant Time: Dec 15 04:58:43 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	19768	20.00	ng/ul	0.00
18) Naphthalene-d8	10.92	136	89217	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.73	164	64668	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.47	188	166410	20.00	ng/ul	0.00
78) Chrysene-d12	21.75	240	189759	20.00	ng/ul	0.00
86) Perylene-d12	25.01	264	179182	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.47	96	2004	5.60	ng/uL	0.00
5) Phenol-d5	7.24	99	49886	28.62	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.42	67	32126	30.89	ng/ul	0.00
9) 2-Chlorophenol-d4	7.63	132	37668	29.71	ng/ul	0.00
13) 4-Methylphenol-d8	8.80	113	44346	29.75	ng/ul	0.00
19) Nitrobenzene-d5	9.27	128	21679	31.17	ng/ul	0.00
22) 2-Nitrophenol-d4	9.99	143	25104	32.44	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.53	165	47059	30.02	ng/ul	0.00
29) 4-Chloroaniline-d4	11.05	131	63388	36.00	ng/ul	0.00
44) Dimethylphthalate-d6	14.13	166	183424	35.07	ng/ul	0.00
47) Acenaphthylene-d8	14.42	160	203480	33.43	ng/ul	0.00
52) 4-Nitrophenol-d4	14.91	143	31306	33.37	ng/ul	0.00
58) Fluorene-d10	15.72	176	155780	32.83	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.83	200	30448	30.86	ng/ul	0.00
71) Anthracene-d10	17.57	188	253511	33.06	ng/ul	0.00
79) Pyrene-d10	19.85	212	287258	32.48	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.79	264	298116	33.36	ng/ul	0.00

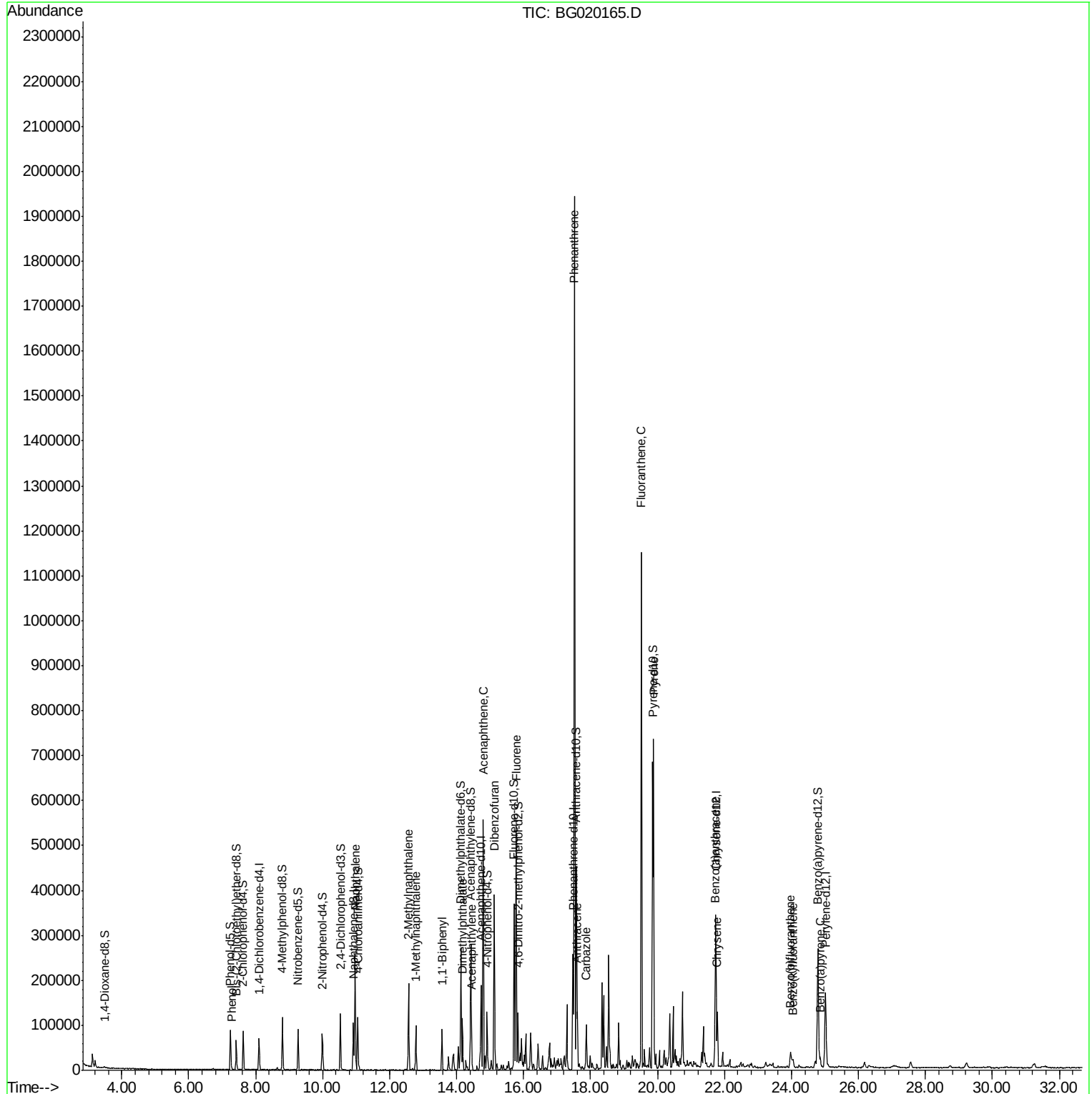
Target Compounds

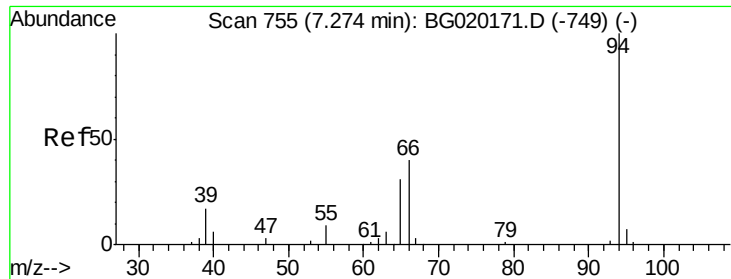
						Qvalue
6) Phenol	7.28	94	1889	1.01	ng/ul#	91
28) Naphthalene	10.97	128	211077	45.30	ng/ul	99
34) 2-Methylnaphthalene	12.57	142	89945	25.27	ng/ul	100
35) 1-Methylnaphthalene	12.78	142	45845	13.40	ng/ul#	99
41) 1,1'-Biphenyl	13.56	154	47899	9.82	ng/ul	99
45) Dimethylphthalate	14.17	163	74015	13.85	ng/ul	97
48) Acenaphthylene	14.45	152	18714	2.89	ng/ul#	96
50) Acenaphthene	14.79	153	232978	53.56	ng/ul	99
54) Dibenzofuran	15.12	168	252785	39.06	ng/ul	98
59) Fluorene	15.78	166	245175	47.18	ng/ul	99
70) Phenanthrene	17.52	178	1193385	131.11	ng/ul	95
72) Anthracene	17.60	178	87761	9.51	ng/ul	99
75) Carbazole	17.87	167	64165	8.27	ng/ul	99
77) Fluoranthene	19.52	202	750878	70.58	ng/ul	99
80) Pyrene	19.88	202	498545	43.41	ng/ul	99
83) Benzo(a)anthracene	21.72	228	110386	9.97	ng/ul	97
85) Chrysene	21.79	228	90725	8.70	ng/ul	97
88) Benzo(b)fluoranthene	23.97	252	52893	4.90	ng/ul	97
89) Benzo(k)fluoranthene	24.03	252	16436	1.59	ng/ul	96
91) Benzo(a)pyrene	24.85	252	28482	2.79	ng/ul#	96

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

```
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Sample    : G4767-17  
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Quant Title : SVOA CALIBRATION
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#6

Phenol

Concen: 1.01 ng/ul

RT: 7.28 min Scan# 756

Delta R.T. 0.01 min

Lab File: BG020165.D

Acq: 14 Dec 2015 22:56

Instrument :

BNA_G

ClientSampleId :

D9N39

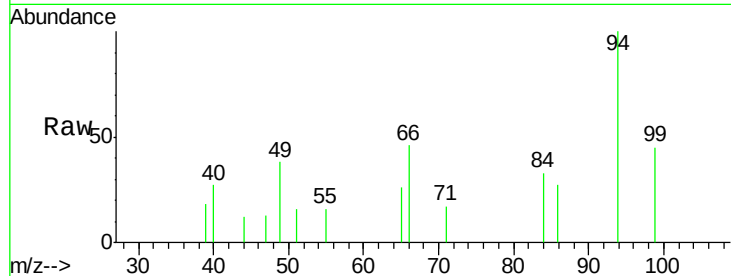
Tgt Ion: 94 Resp: 1889

Ion Ratio Lower Upper

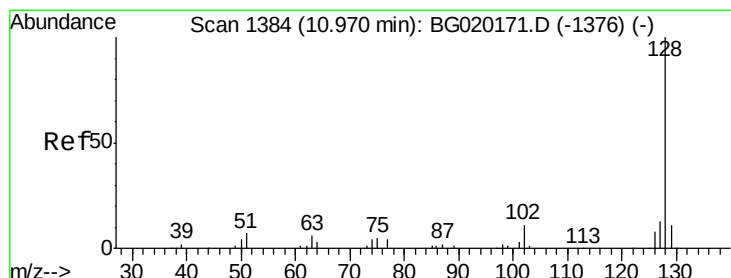
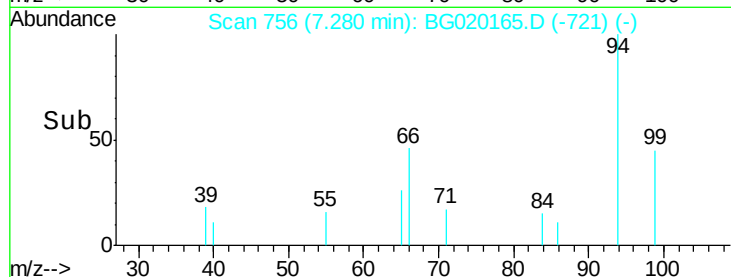
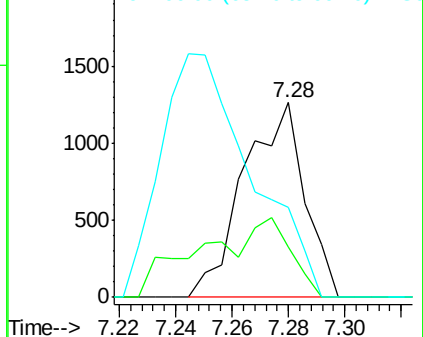
94 100

65 26.1 26.3 39.5#

66 46.2 33.3 49.9



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC



#28

Naphthalene

Concen: 45.30 ng/ul

RT: 10.97 min Scan# 1384

Delta R.T. -0.00 min

Lab File: BG020165.D

Acq: 14 Dec 2015 22:56

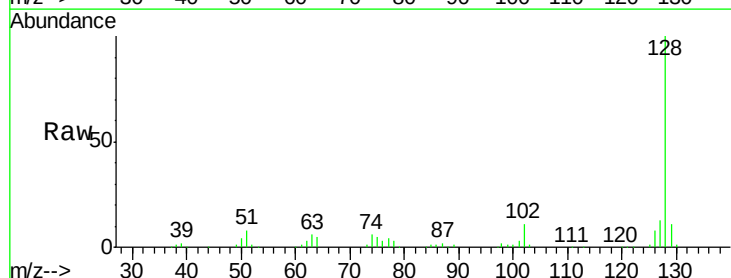
Tgt Ion: 128 Resp: 211077

Ion Ratio Lower Upper

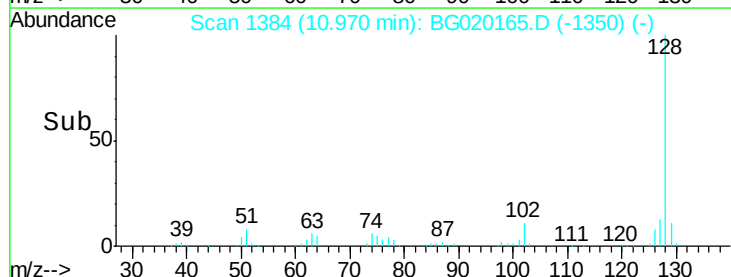
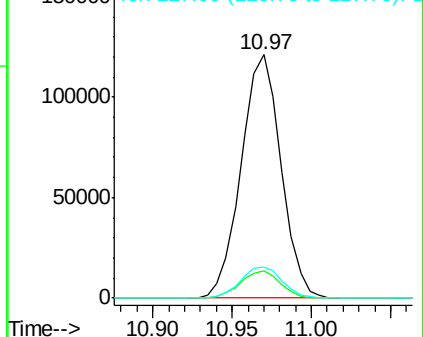
128 100

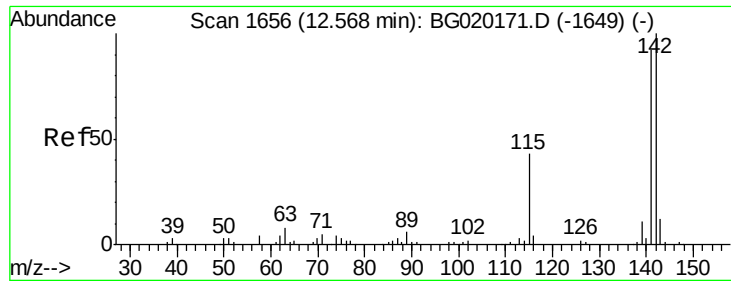
129 11.1 8.6 12.8

127 13.0 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

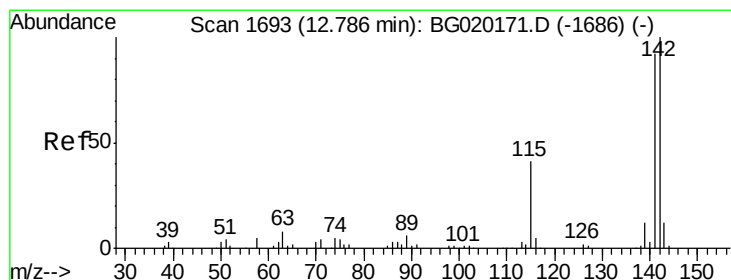
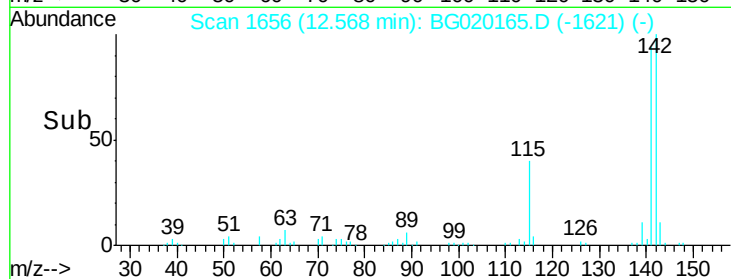
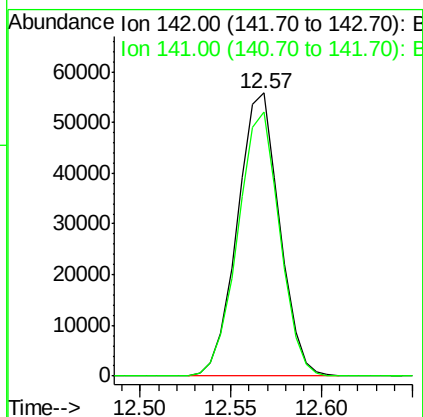
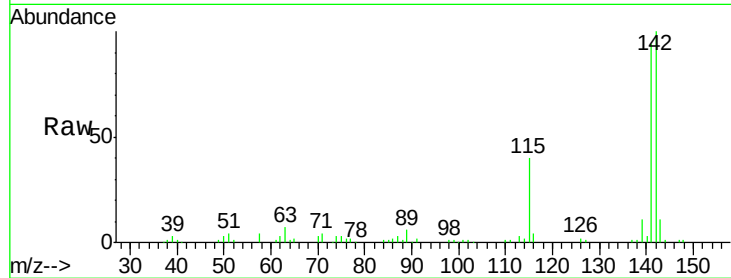




#34
 2-Methylnaphthalene
 Concen: 25.27 ng/ul
 RT: 12.57 min Scan# 1656
 Delta R.T. 0.01 min
 Lab File: BG020165.D
 Acq: 14 Dec 2015 22:56

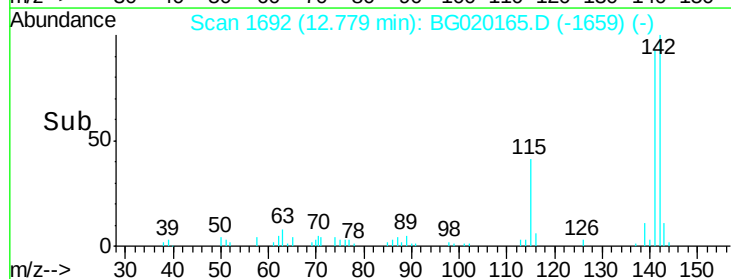
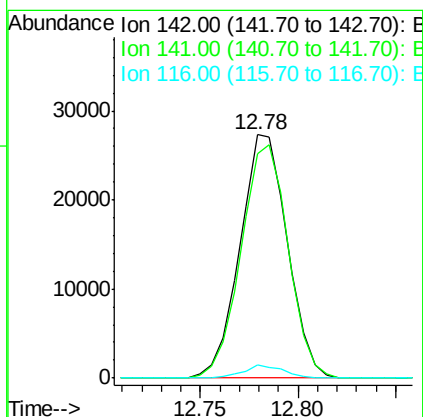
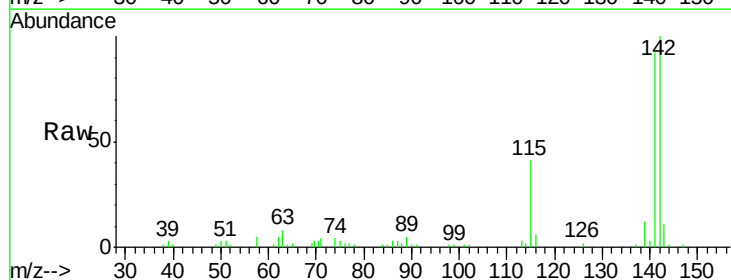
Instrument :
 BNA_G
 ClientSampleId :
 D9N39

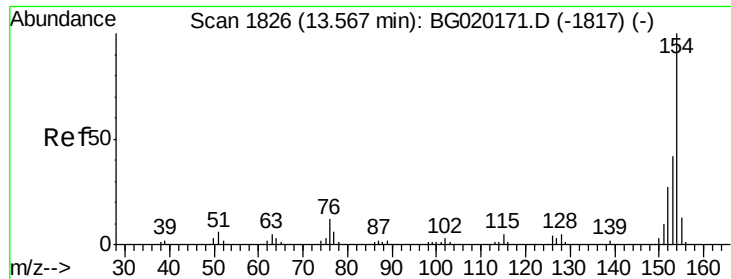
Tgt Ion:142 Resp: 89945
 Ion Ratio Lower Upper
 142 100
 141 93.5 74.9 112.3



#35
 1-Methylnaphthalene
 Concen: 13.40 ng/ul
 RT: 12.78 min Scan# 1692
 Delta R.T. -0.01 min
 Lab File: BG020165.D
 Acq: 14 Dec 2015 22:56

Tgt Ion:142 Resp: 45845
 Ion Ratio Lower Upper
 142 100
 141 92.1 73.0 109.6
 116 5.5 3.0 4.6#

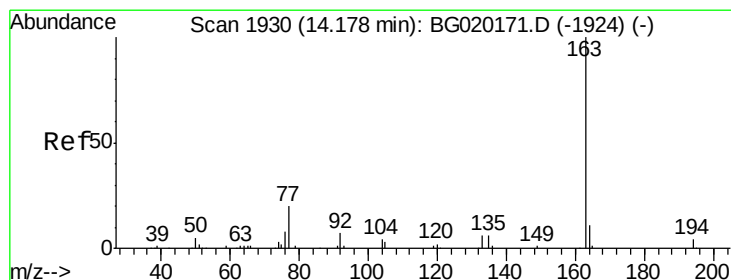
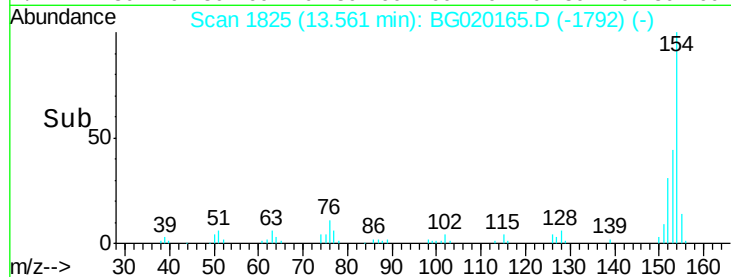
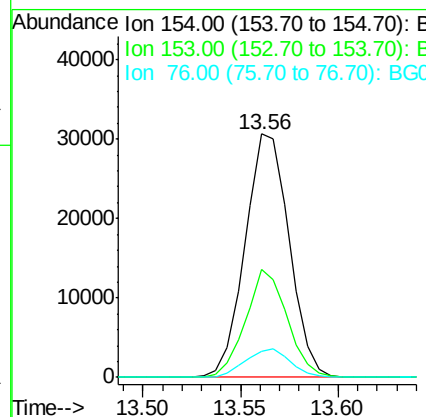
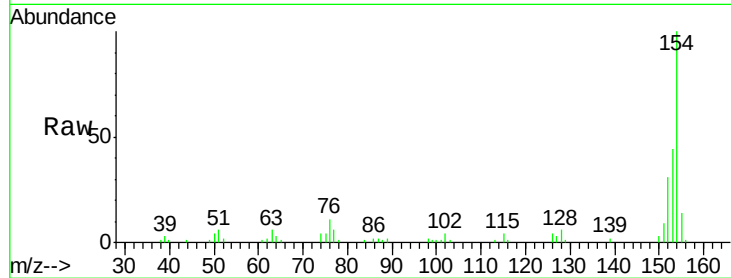




#41
1,1'-Biphenyl
Concen: 9.82 ng/ul
RT: 13.56 min Scan# 1825
Delta R.T. -0.01 min
Lab File: BG020165.D
Acq: 14 Dec 2015 22:56

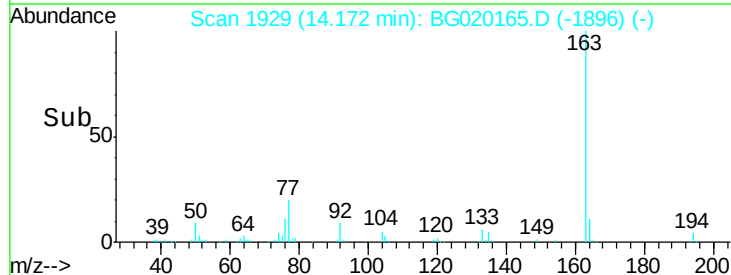
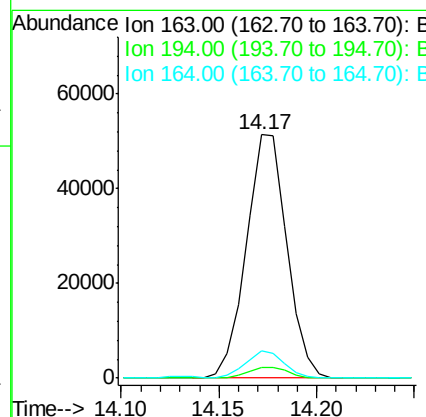
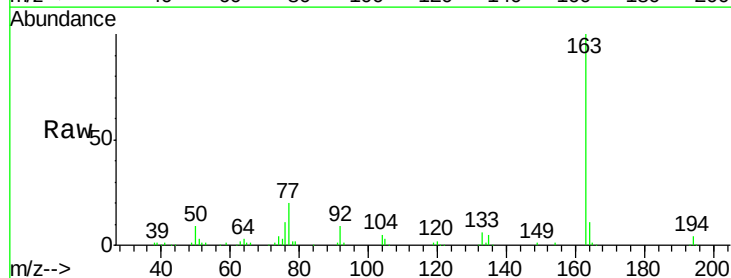
Instrument :
BNA_G
ClientSampleId :
D9N39

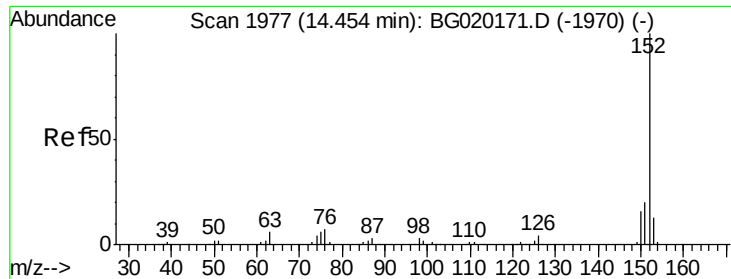
Tgt Ion:154 Resp: 47899
Ion Ratio Lower Upper
154 100
153 44.3 35.5 53.3
76 10.6 10.4 15.6



#45
Dimethylphthalate
Concen: 13.85 ng/ul
RT: 14.17 min Scan# 1929
Delta R.T. -0.01 min
Lab File: BG020165.D
Acq: 14 Dec 2015 22:56

Tgt Ion:163 Resp: 74015
Ion Ratio Lower Upper
163 100
194 4.3 3.5 5.3
164 11.1 7.7 11.5





#48

Acenaphthylene

Concen: 2.89 ng/ul

RT: 14.45 min Scan# 1976

Delta R.T. -0.01 min

Lab File: BG020165.D

Acq: 14 Dec 2015 22:56

Instrument :

BNA_G

ClientSampleId :

D9N39

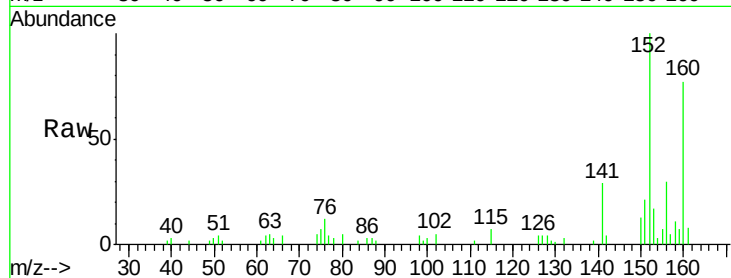
Tgt Ion:152 Resp: 18714

Ion Ratio Lower Upper

152 100

151 21.0 16.4 24.6

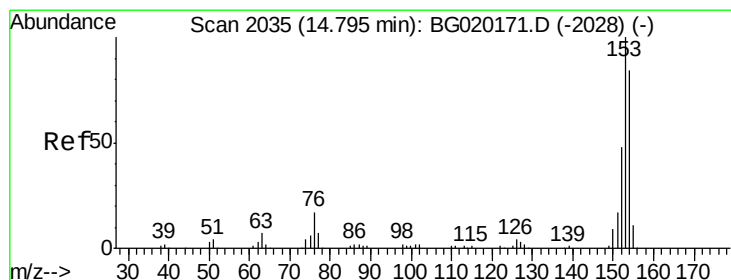
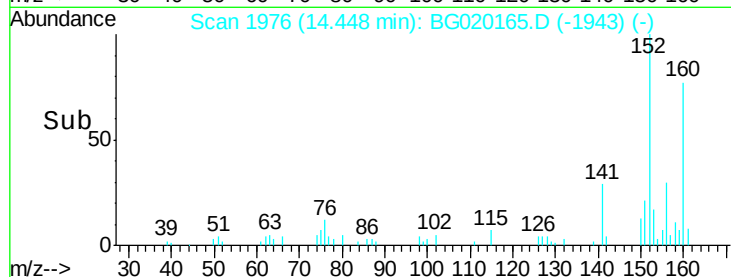
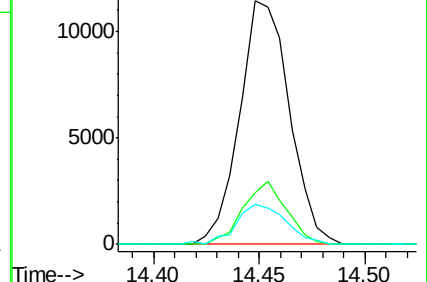
153 16.7 10.4 15.6#



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: 53.56 ng/ul

RT: 14.79 min Scan# 2035

Delta R.T. -0.00 min

Lab File: BG020165.D

Acq: 14 Dec 2015 22:56

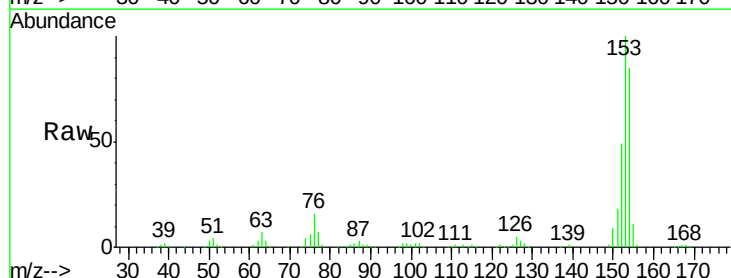
Tgt Ion:153 Resp: 232978

Ion Ratio Lower Upper

153 100

152 48.9 37.6 56.4

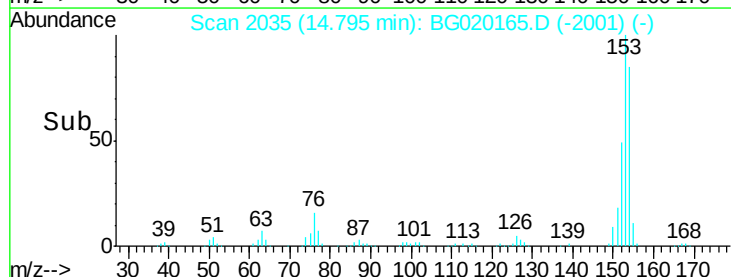
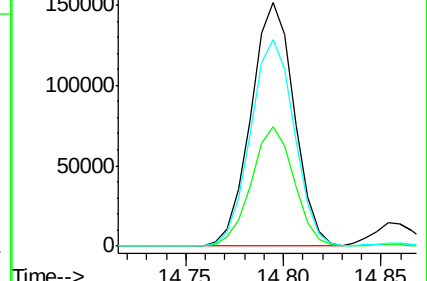
154 84.7 67.9 101.9

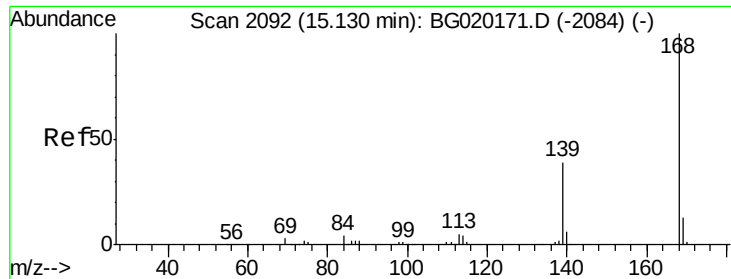


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

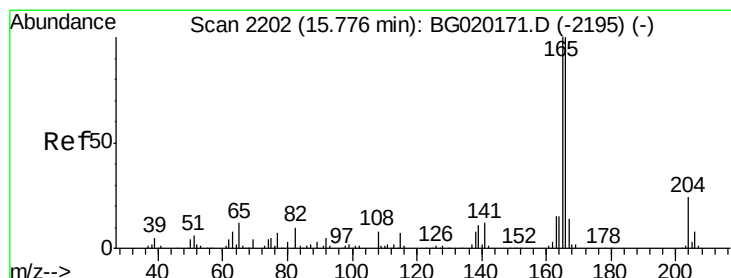
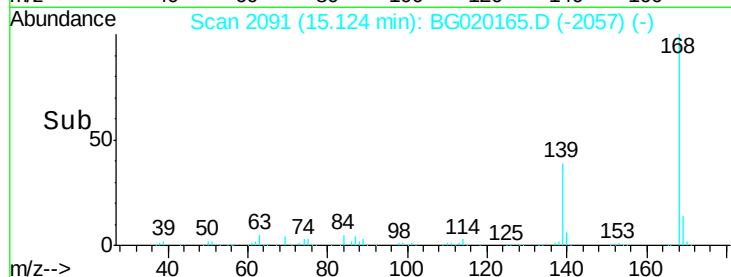
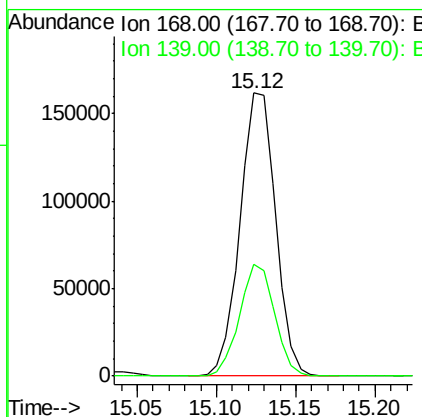
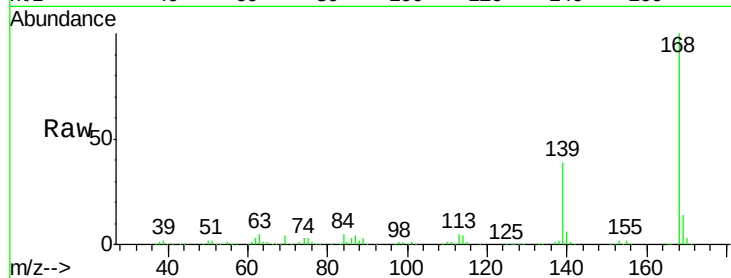




#54
Dibenzenofuran
Concen: 39.06 ng/ul
RT: 15.12 min Scan# 2091
Delta R.T. -0.00 min
Lab File: BG020165.D
Acq: 14 Dec 2015 22:56

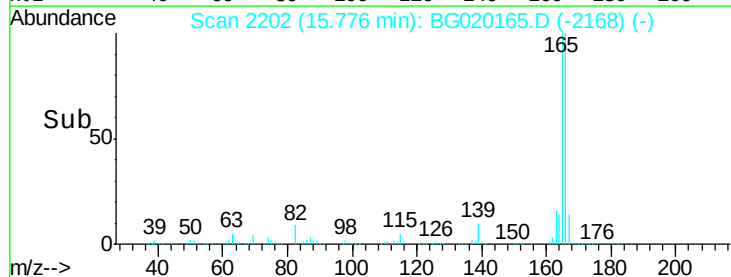
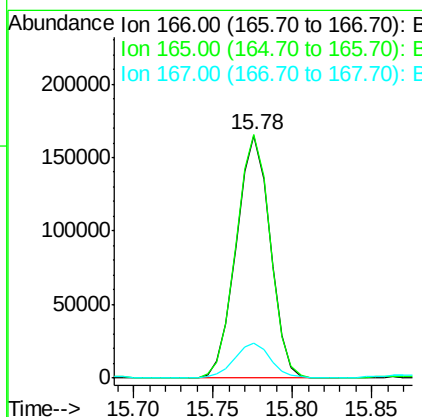
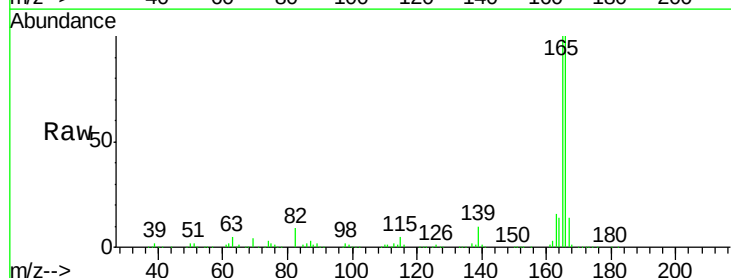
Instrument :
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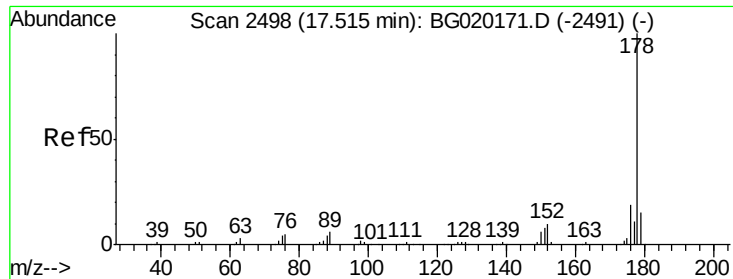
Tgt Ion:168 Resp: 252785
Ion Ratio Lower Upper
168 100
139 39.4 30.5 45.7



#59
Fluorene
Concen: 47.18 ng/ul
RT: 15.78 min Scan# 2202
Delta R.T. -0.00 min
Lab File: BG020165.D
Acq: 14 Dec 2015 22:56

Tgt Ion:166 Resp: 245175
Ion Ratio Lower Upper
166 100
165 100.4 81.4 122.0
167 14.2 11.2 16.8





#70

Phenanthrene

Concen: 131.11 ng/ul

RT: 17.52 min Scan# 2499

Delta R.T. 0.01 min

Lab File: BG020165.D

Acq: 14 Dec 2015 22:56

Instrument :

BNA_G

ClientSampleId :

D9N39

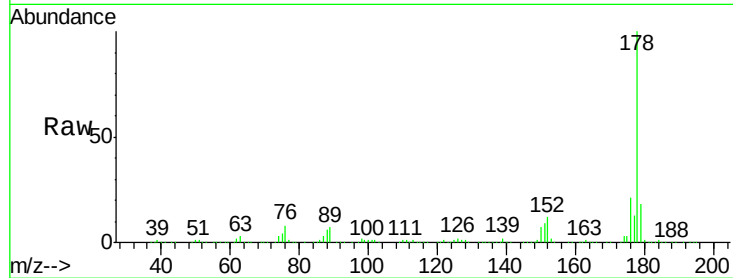
Tgt Ion:178 Resp: 1193385

Ion Ratio Lower Upper

178 100

179 17.9 12.9 19.3

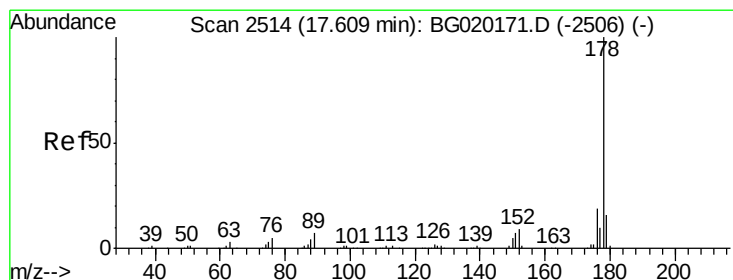
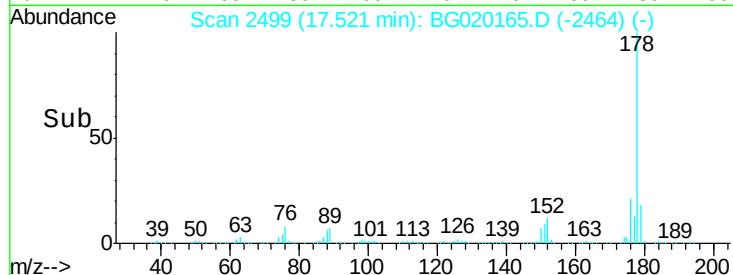
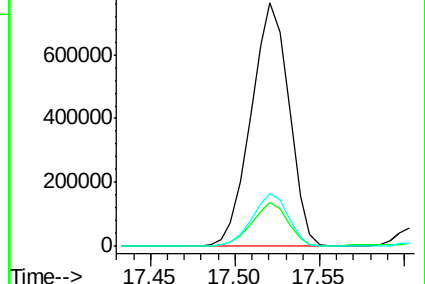
176 21.5 15.3 22.9



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



#72

Anthracene

Concen: 9.51 ng/ul

RT: 17.60 min Scan# 2513

Delta R.T. -0.00 min

Lab File: BG020165.D

Acq: 14 Dec 2015 22:56

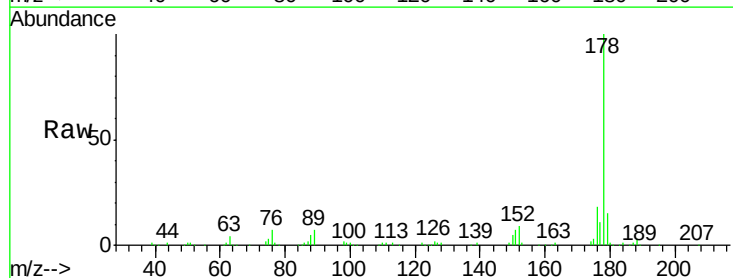
Tgt Ion:178 Resp: 87761

Ion Ratio Lower Upper

178 100

179 14.8 12.3 18.5

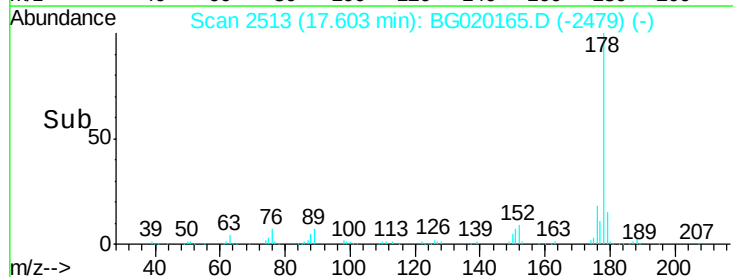
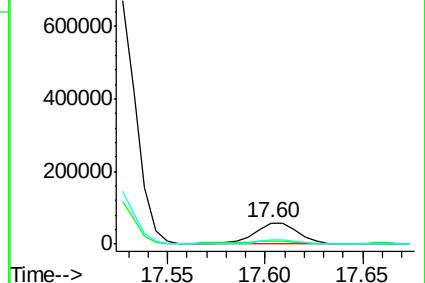
176 18.2 14.3 21.5

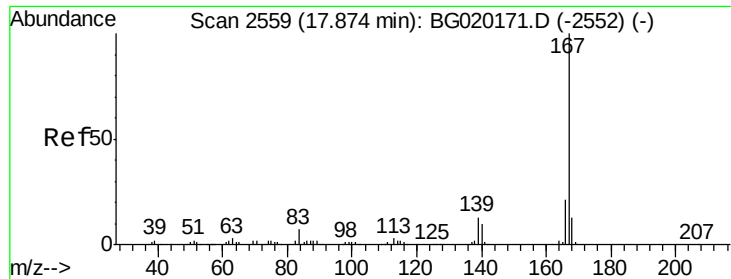


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#75

Carbazole

Concen: 8.27 ng/ul

RT: 17.87 min Scan# 2559

Delta R.T. -0.00 min

Lab File: BG020165.D

Acq: 14 Dec 2015 22:56

Instrument :

BNA_G

ClientSampleId :

D9N39

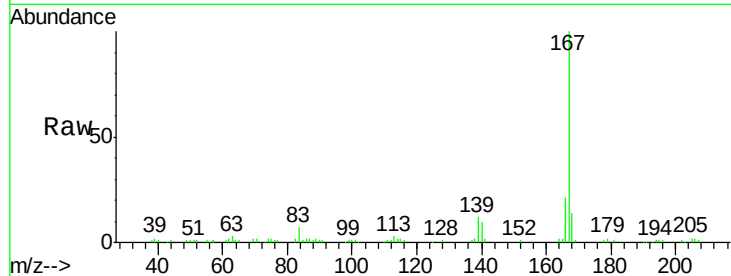
Tgt Ion:167 Resp: 64165

Ion Ratio Lower Upper

167 100

166 21.4 17.0 25.6

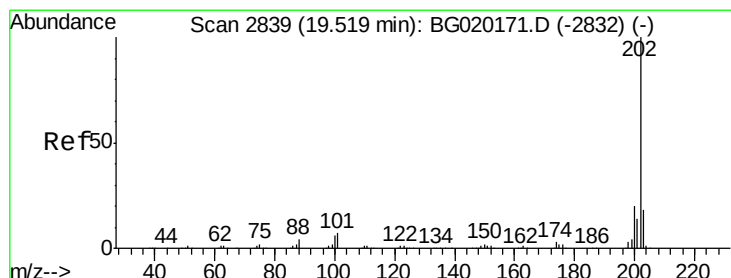
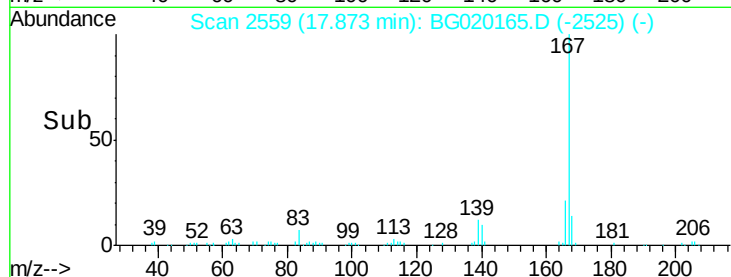
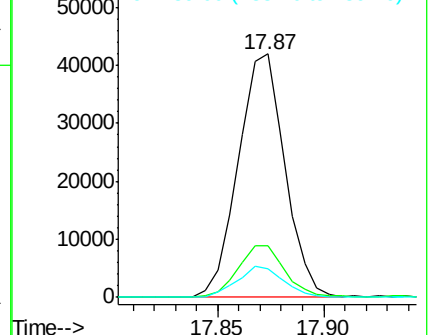
139 12.0 10.1 15.1



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: 70.58 ng/ul

RT: 19.52 min Scan# 2839

Delta R.T. -0.00 min

Lab File: BG020165.D

Acq: 14 Dec 2015 22:56

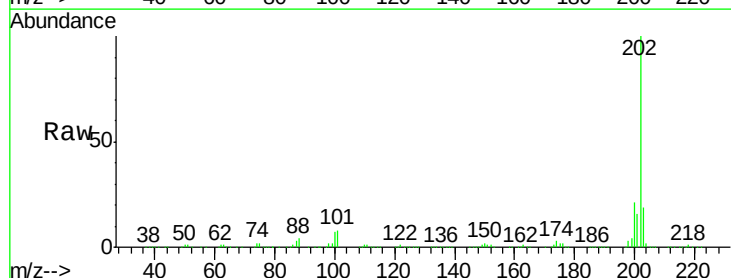
Tgt Ion:202 Resp: 750878

Ion Ratio Lower Upper

202 100

101 8.0 6.2 9.4

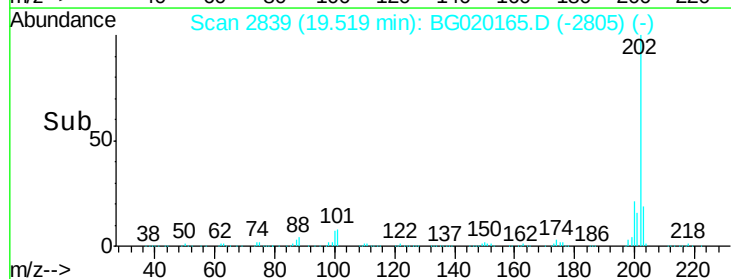
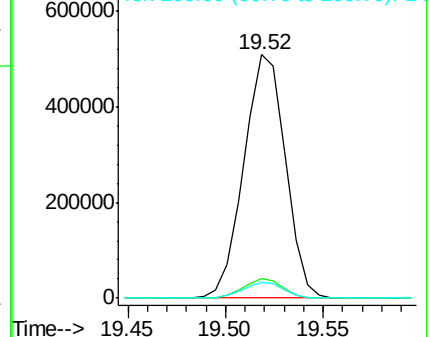
100 6.6 5.1 7.7

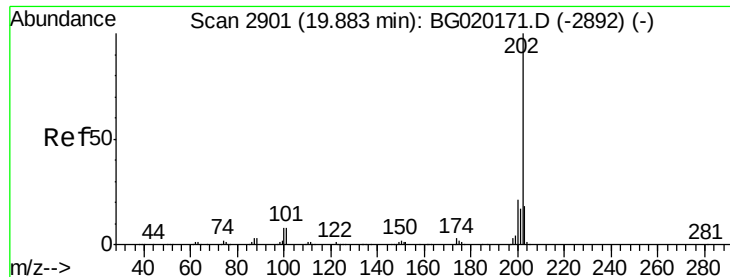


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

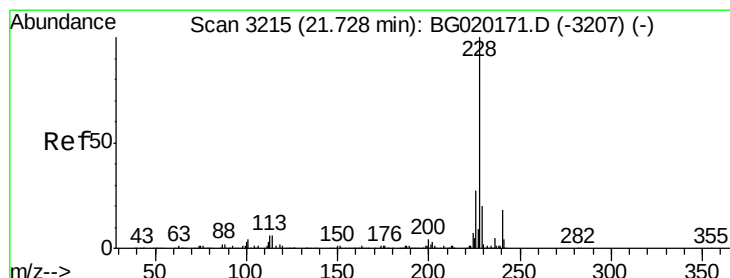
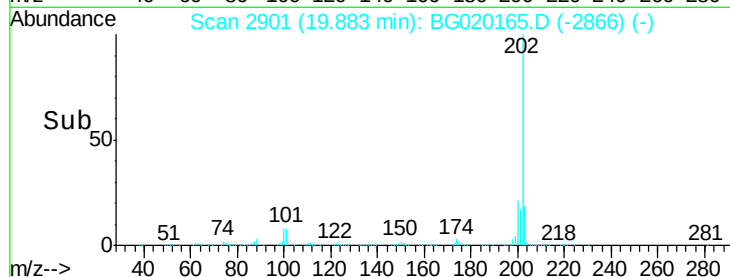
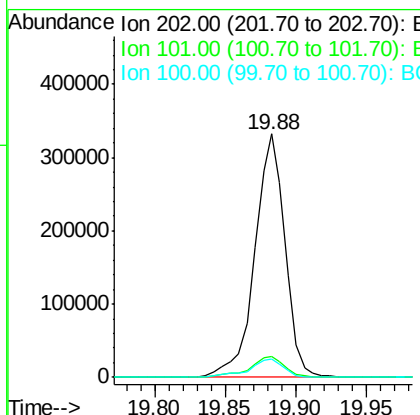
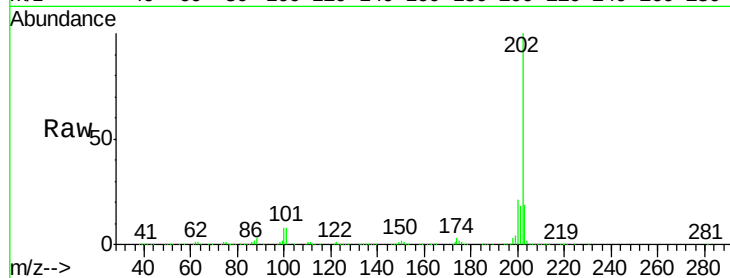




#80
 Pyrene
 Concen: 43.41 ng/ul
 RT: 19.88 min Scan# 2901
 Delta R.T. 0.01 min
 Lab File: BG020165.D
 Acq: 14 Dec 2015 22:56

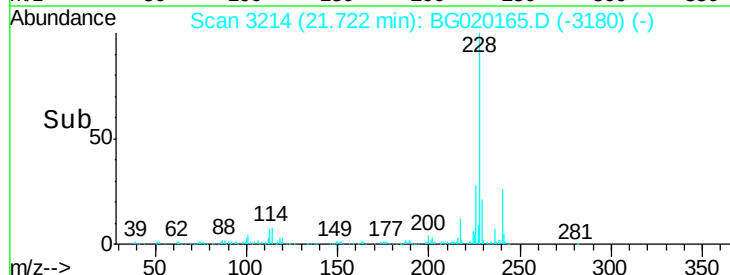
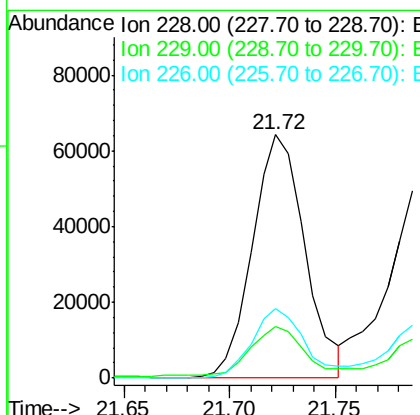
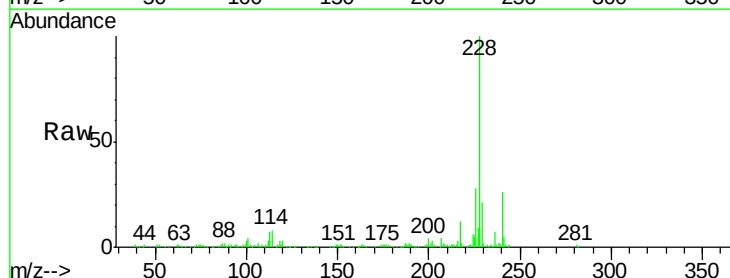
Instrument :
 BNA_G
 ClientSampleId :
 D9N39

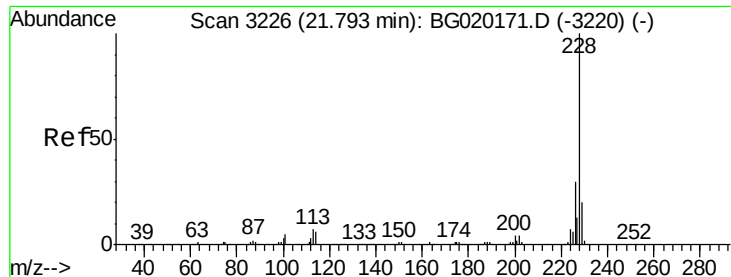
Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.5	7.0	10.4
100	7.6	6.4	9.6



#83
 Benzo(a)anthracene
 Concen: 9.97 ng/ul
 RT: 21.72 min Scan# 3214
 Delta R.T. -0.00 min
 Lab File: BG020165.D
 Acq: 14 Dec 2015 22:56

Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.4	15.8	23.8
226	28.5	21.8	32.6





#85

Chrysene

Concen: 8.70 ng/ul

RT: 21.79 min Scan# 3225

Delta R.T. -0.01 min

Lab File: BG020165.D

Acq: 14 Dec 2015 22:56

Instrument :

BNA_G

ClientSampleId :

D9N39

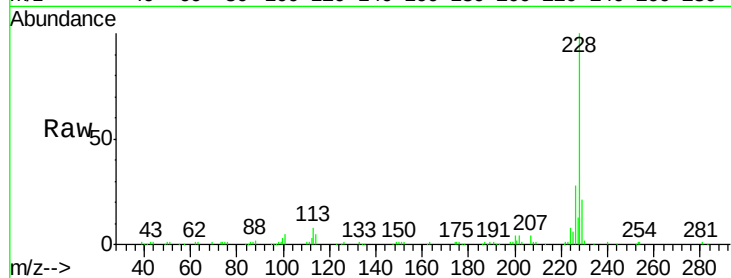
Tgt Ion:228 Resp: 90725

Ion Ratio Lower Upper

228 100

226 27.9 23.9 35.9

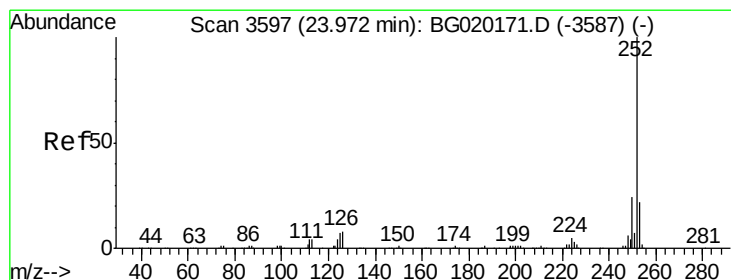
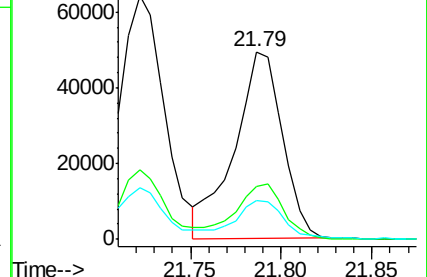
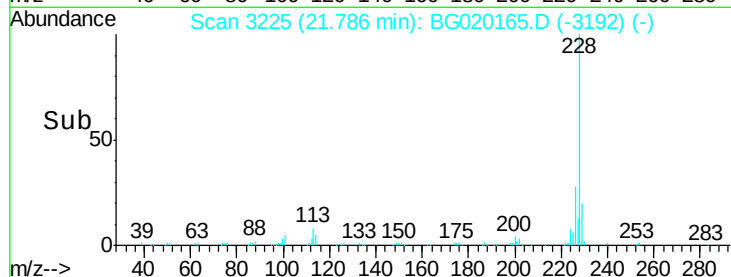
229 20.7 15.6 23.4



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: 4.90 ng/ul

RT: 23.97 min Scan# 3597

Delta R.T. -0.00 min

Lab File: BG020165.D

Acq: 14 Dec 2015 22:56

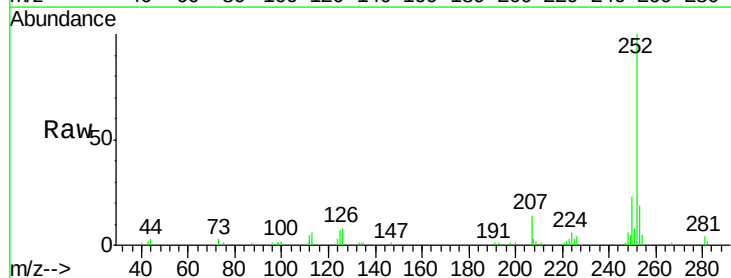
Tgt Ion:252 Resp: 52893

Ion Ratio Lower Upper

252 100

253 19.1 16.7 25.1

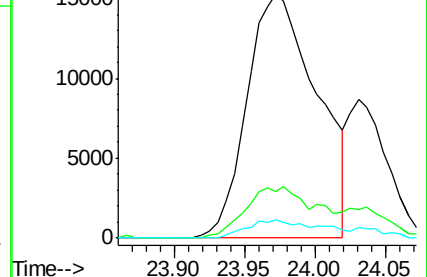
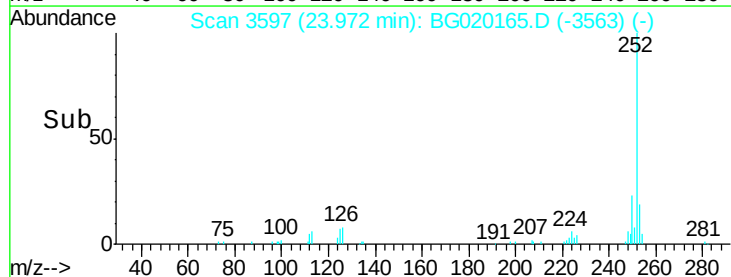
125 7.5 6.2 9.2

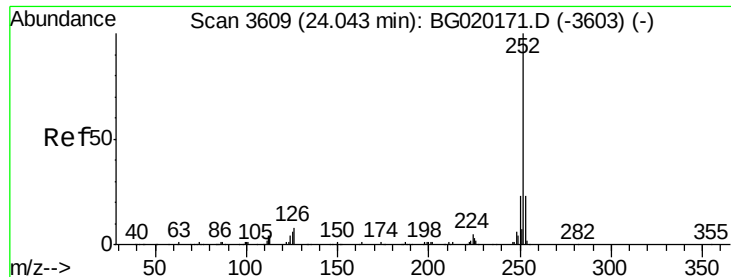


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 1.59 ng/ul

RT: 24.03 min Scan# 3607

Delta R.T. -0.01 min

Lab File: BG020165.D

Acq: 14 Dec 2015 22:56

Instrument :

BNA_G

ClientSampleId :

D9N39

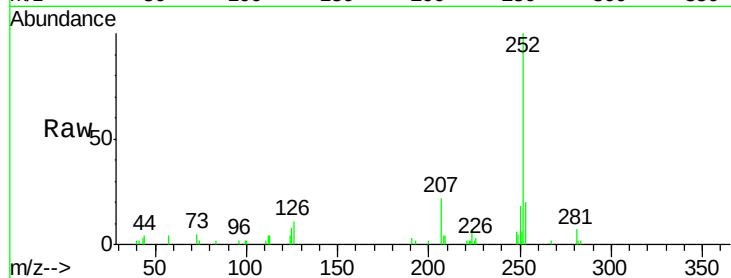
Tgt Ion:252 Resp: 16436

Ion Ratio Lower Upper

252 100

253 20.3 17.9 26.9

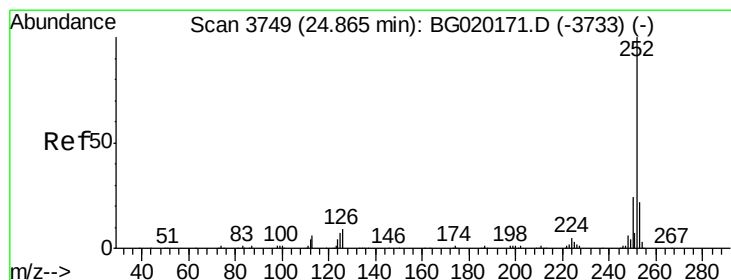
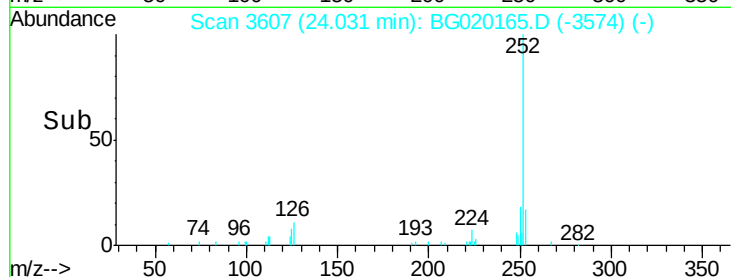
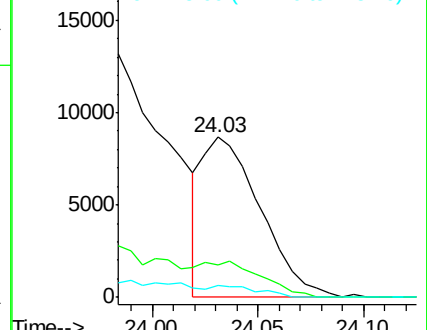
125 7.7 5.8 8.6



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: 2.79 ng/ul

RT: 24.85 min Scan# 3747

Delta R.T. -0.01 min

Lab File: BG020165.D

Acq: 14 Dec 2015 22:56

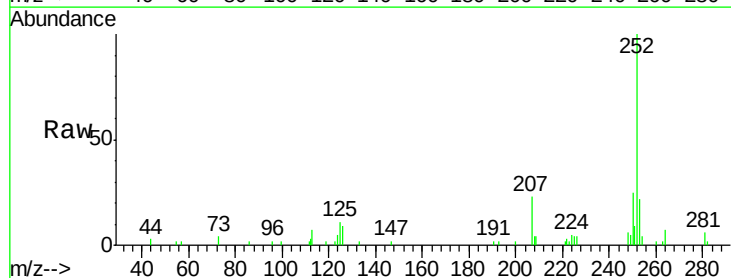
Tgt Ion:252 Resp: 28482

Ion Ratio Lower Upper

252 100

253 22.1 17.0 25.4

125 10.7 6.2 9.4#



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

