

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121515\
 Data File : BG020164.D
 Acq On : 14 Dec 2015 22:17
 Operator : UM/SJ
 Sample : G4767-16
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N38

Quant Time: Dec 15 04:50:45 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	22851	20.00	ng/ul	0.00
18) Naphthalene-d8	10.92	136	98928	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.73	164	71715	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.47	188	181348	20.00	ng/ul	0.00
78) Chrysene-d12	21.74	240	204043	20.00	ng/ul	0.00
86) Perylene-d12	25.01	264	190785	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.48	96	1975	4.77	ng/uL	0.00
5) Phenol-d5	7.25	99	50342	24.98	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.42	67	31572	26.26	ng/ul	0.00
9) 2-Chlorophenol-d4	7.63	132	38656	26.38	ng/ul	0.00
13) 4-Methylphenol-d8	8.80	113	44011	25.54	ng/ul	0.00
19) Nitrobenzene-d5	9.27	128	21162	27.44	ng/ul	0.00
22) 2-Nitrophenol-d4	9.99	143	25104	29.25	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.53	165	45690	26.29	ng/ul	0.00
29) 4-Chloroaniline-d4	11.04	131	59737	30.59	ng/ul	0.00
44) Dimethylphthalate-d6	14.13	166	165372	28.51	ng/ul	0.00
47) Acenaphthylene-d8	14.42	160	185626	27.50	ng/ul	0.00
52) 4-Nitrophenol-d4	14.91	143	27044	25.99	ng/ul	0.00
58) Fluorene-d10	15.72	176	140614	26.72	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.83	200	25021	23.27	ng/ul	0.00
71) Anthracene-d10	17.57	188	230994	27.64	ng/ul	0.00
79) Pyrene-d10	19.85	212	258851	27.22	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.79	264	258733	27.19	ng/ul	0.00

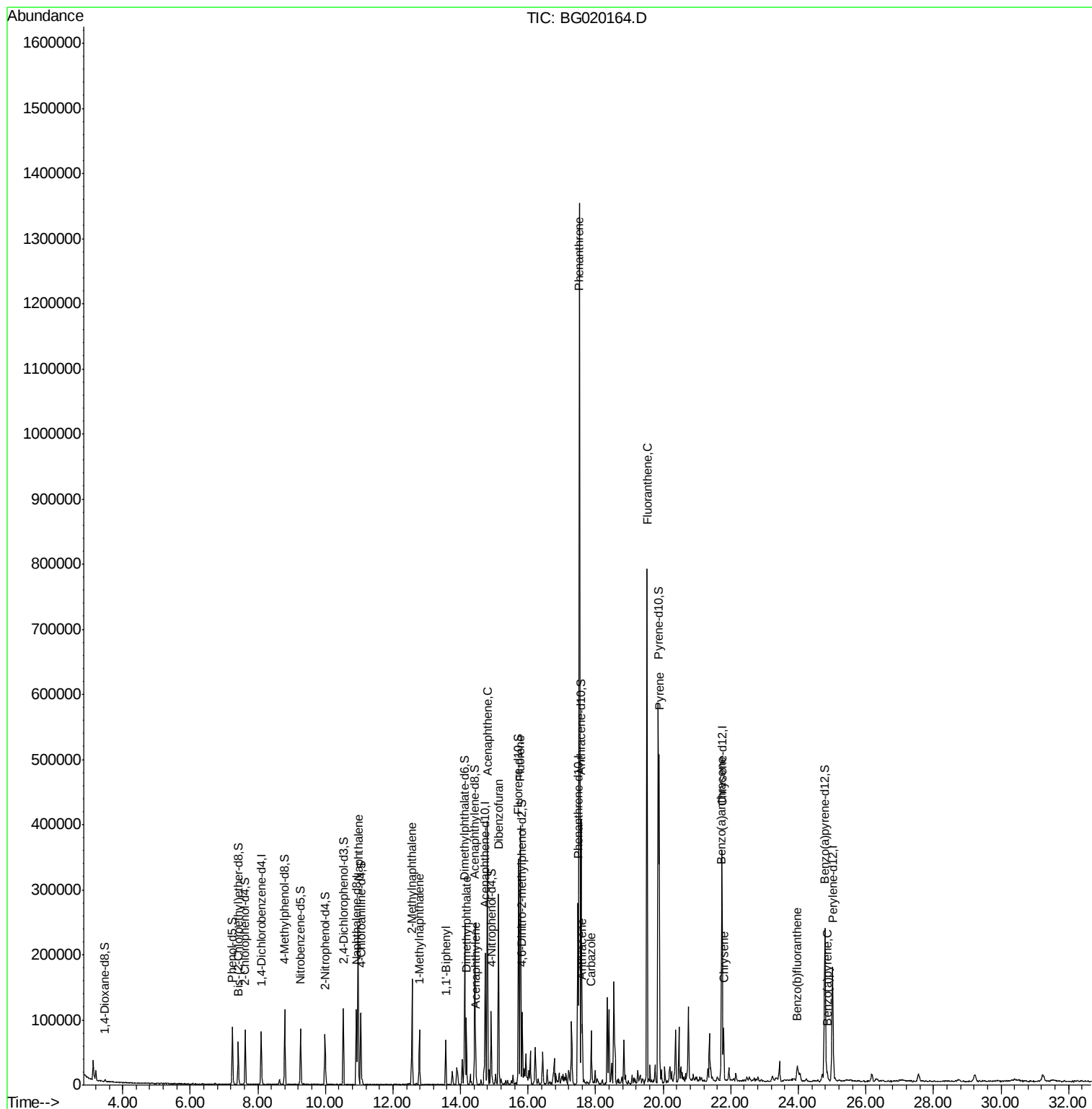
Target Compounds

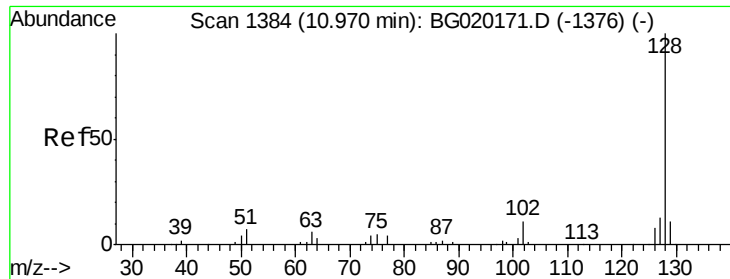
						Qvalue
28) Naphthalene	10.97	128	207768	40.22	ng/ul	97
34) 2-Methylnaphthalene	12.56	142	74445	18.87	ng/ul	100
35) 1-Methylnaphthalene	12.78	142	38345	10.11	ng/ul	93
41) 1,1'-Biphenyl	13.56	154	36204	6.69	ng/ul	96
45) Dimethylphthalate	14.17	163	65945	11.13	ng/ul	98
48) Acenaphthylene	14.45	152	13723	1.91	ng/ul#	92
50) Acenaphthene	14.79	153	172249	35.70	ng/ul	99
54) Dibenzofuran	15.13	168	185545	25.85	ng/ul	99
59) Fluorene	15.77	166	174574	30.29	ng/ul	97
70) Phenanthrene	17.52	178	864522	87.15	ng/ul	97
72) Anthracene	17.61	178	61577	6.12	ng/ul	99
75) Carbazole	17.87	167	50580	5.98	ng/ul	99
77) Fluoranthene	19.52	202	519729	44.83	ng/ul	99
80) Pyrene	19.88	202	344915	27.93	ng/ul	99
83) Benzo(a)anthracene	21.72	228	74250	6.24	ng/ul	98
85) Chrysene	21.79	228	59697	5.32	ng/ul	95
88) Benzo(b)fluoranthene	23.97	252	33202	2.89	ng/ul#	94
91) Benzo(a)pyrene	24.86	252	19156	1.76	ng/ul	98

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

```
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Sample    : G4767-16  
Misc      :  
ALS Vial  : 15      Sample Multiplier: 1
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Quant Time: Dec 15 04:50:45 2015
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#28

Naphthalene

Concen: 40.22 ng/ul

RT: 10.97 min Scan# 1383

Delta R.T. -0.00 min

Lab File: BG020164.D

Acq: 14 Dec 2015 22:17

Instrument :

BNA_G

ClientSampleId :

D9N38

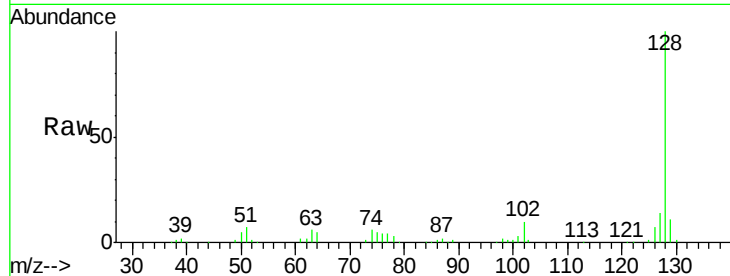
Tgt Ion:128 Resp: 207768

Ion Ratio Lower Upper

128 100

129 11.5 8.6 12.8

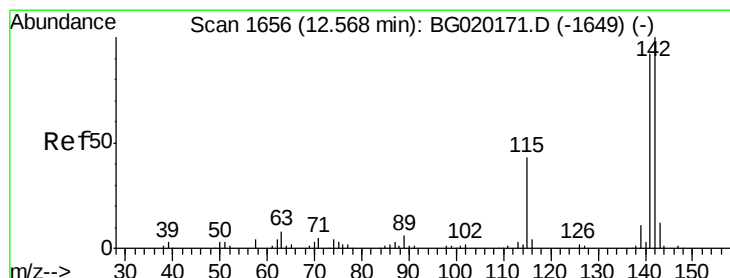
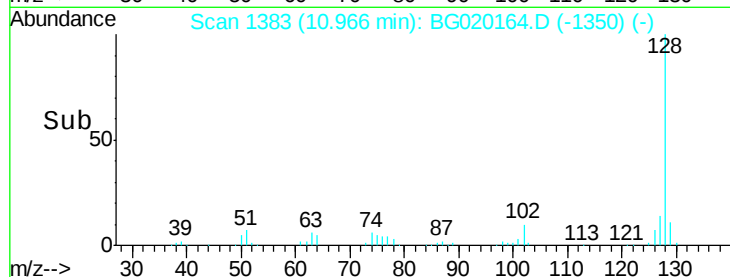
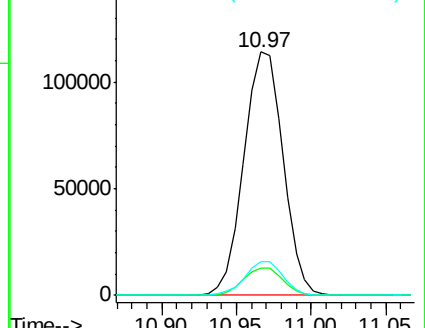
127 13.9 10.1 15.1



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: 18.87 ng/ul

RT: 12.56 min Scan# 1655

Delta R.T. 0.00 min

Lab File: BG020164.D

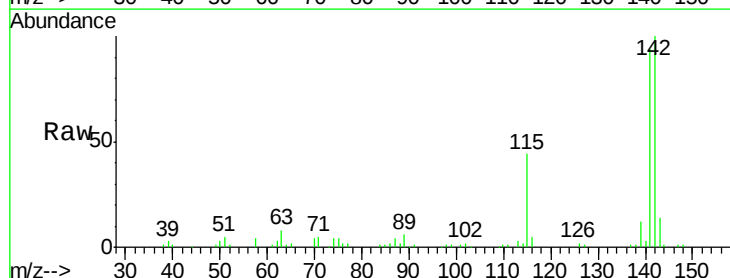
Acq: 14 Dec 2015 22:17

Tgt Ion:142 Resp: 74445

Ion Ratio Lower Upper

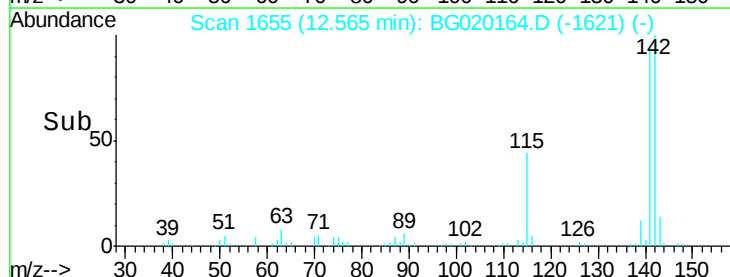
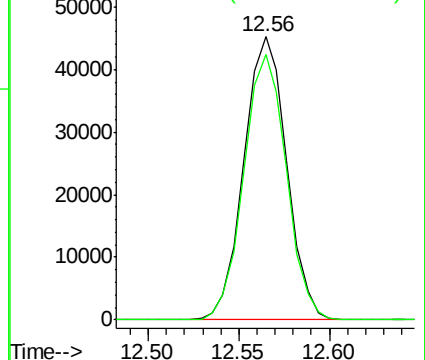
142 100

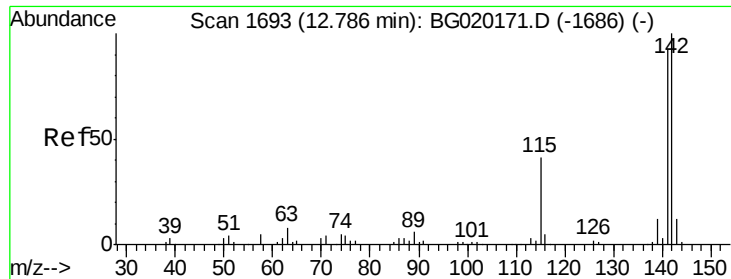
141 93.7 74.9 112.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

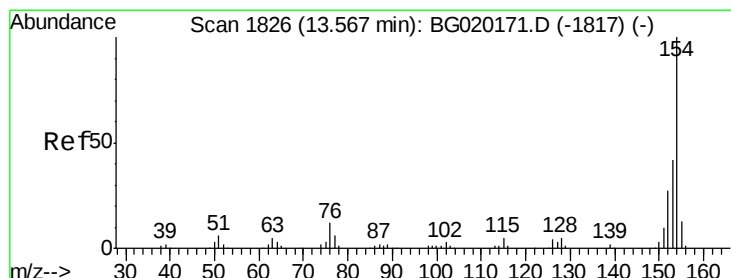
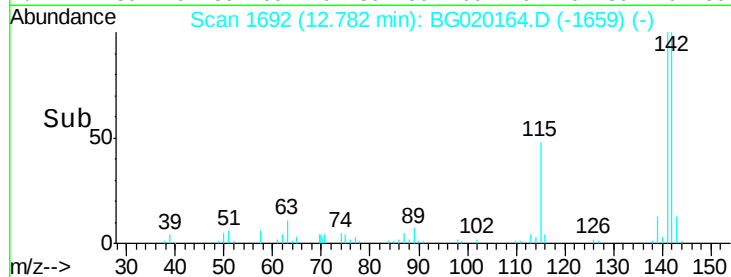
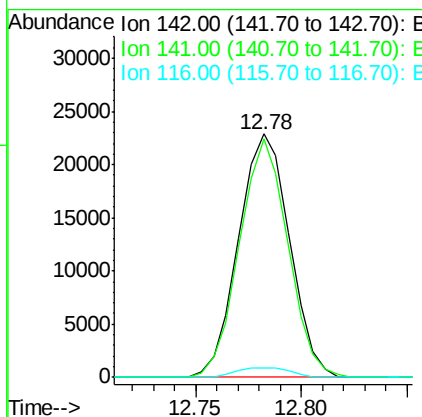
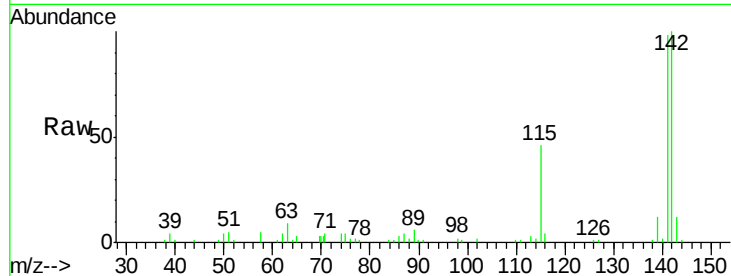




#35
 1-Methylnaphthalene
 Concen: 10.11 ng/ul
 RT: 12.78 min Scan# 1692
 Delta R.T. -0.00 min
 Lab File: BG020164.D
 Acq: 14 Dec 2015 22:17

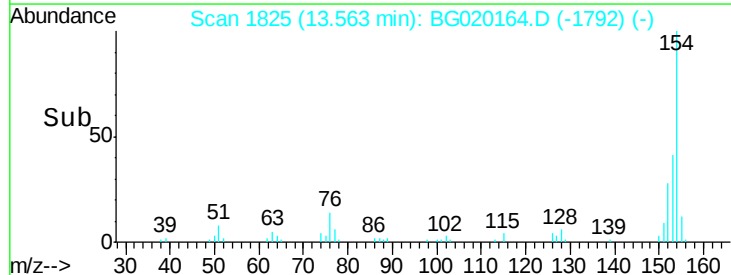
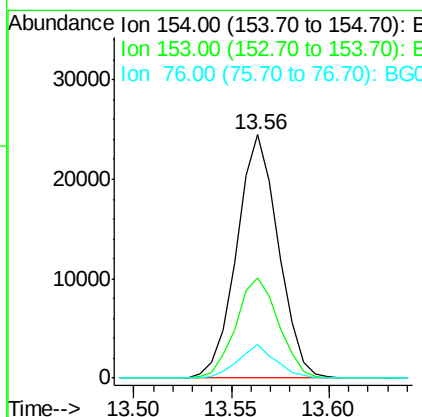
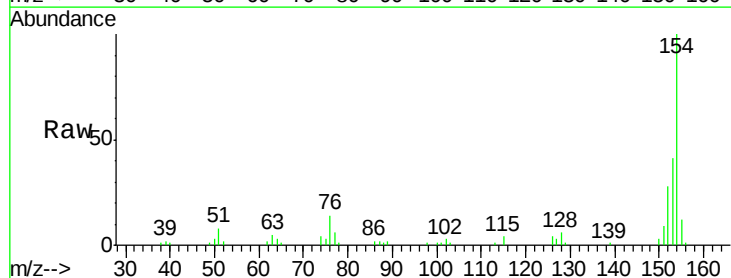
Instrument :
 BNA_G
 ClientSampleId :
 D9N38

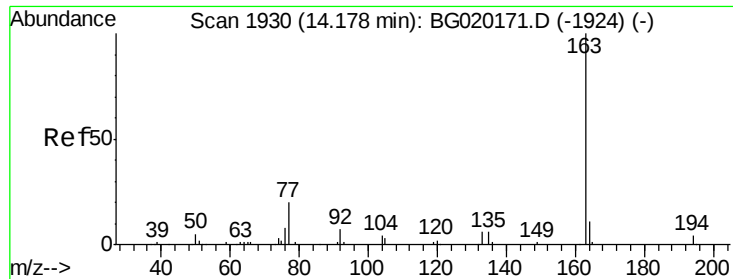
Tgt Ion:142 Resp: 38345
 Ion Ratio Lower Upper
 142 100
 141 98.0 73.0 109.6
 116 3.8 3.0 4.6



#41
 1,1'-Biphenyl
 Concen: 6.69 ng/ul
 RT: 13.56 min Scan# 1825
 Delta R.T. -0.00 min
 Lab File: BG020164.D
 Acq: 14 Dec 2015 22:17

Tgt Ion:154 Resp: 36204
 Ion Ratio Lower Upper
 154 100
 153 41.1 35.5 53.3
 76 13.9 10.4 15.6

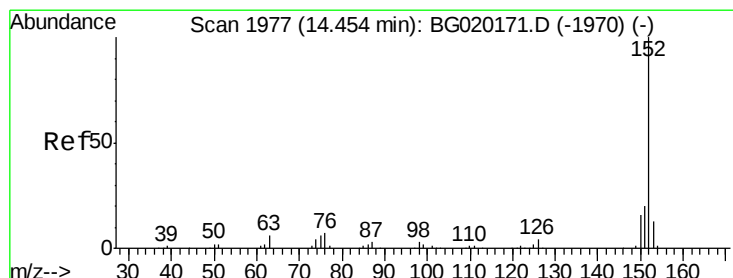
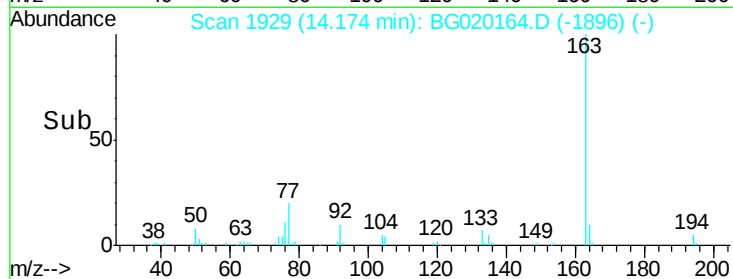
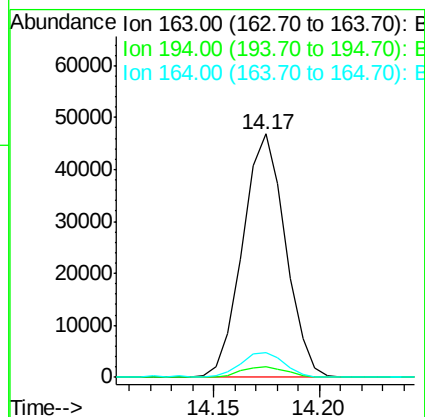
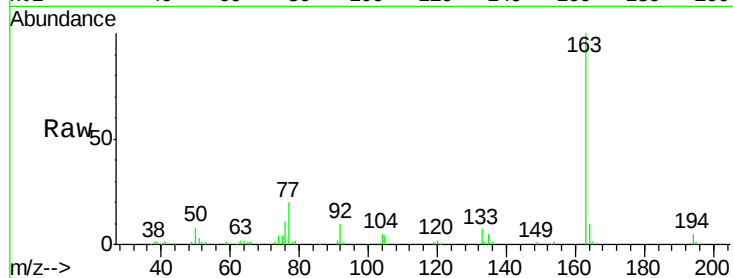




#45
Dimethylphthalate
Concen: 11.13 ng/ul
RT: 14.17 min Scan# 1929
Delta R.T. -0.00 min
Lab File: BG020164.D
Acq: 14 Dec 2015 22:17

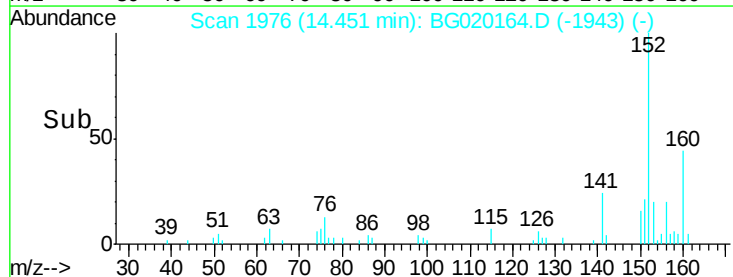
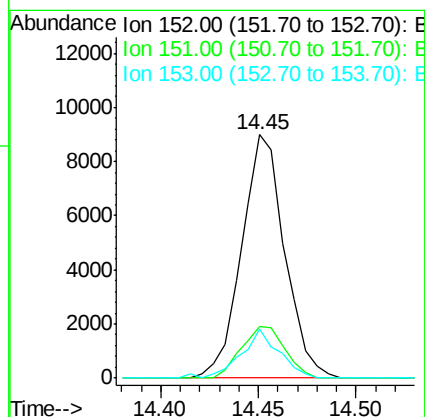
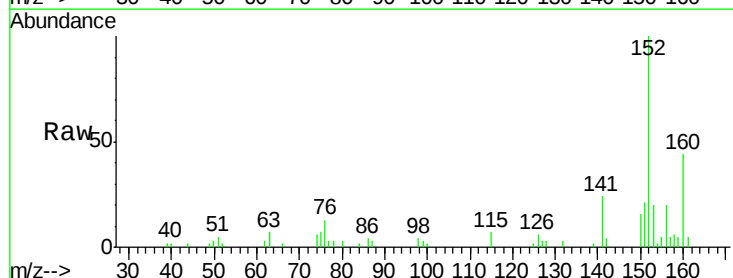
Instrument :
BNA_G
ClientSampleId :
D9N38

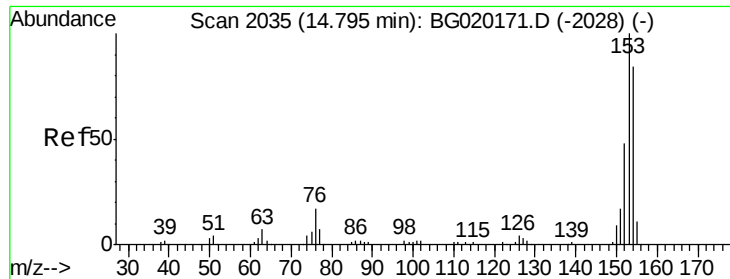
Tgt Ion:163 Resp: 65945
Ion Ratio Lower Upper
163 100
194 4.6 3.5 5.3
164 10.4 7.7 11.5



#48
Acenaphthylene
Concen: 1.91 ng/ul
RT: 14.45 min Scan# 1976
Delta R.T. -0.00 min
Lab File: BG020164.D
Acq: 14 Dec 2015 22:17

Tgt Ion:152 Resp: 13723
Ion Ratio Lower Upper
152 100
151 21.4 16.4 24.6
153 20.1 10.4 15.6#





#50

Acenaphthene

Concen: 35.70 ng/ul

RT: 14.79 min Scan# 2034

Delta R.T. -0.00 min

Lab File: BG020164.D

Acq: 14 Dec 2015 22:17

Instrument :

BNA_G

ClientSampleId :

D9N38

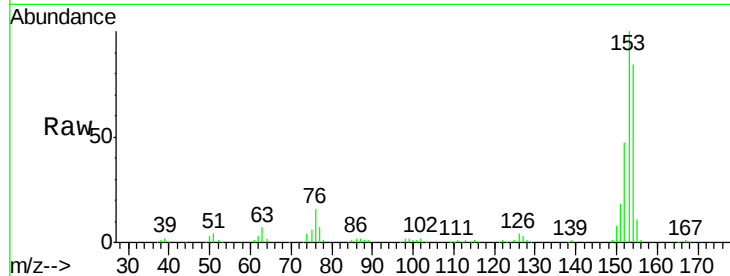
Tgt Ion:153 Resp: 172249

Ion Ratio Lower Upper

153 100

152 47.5 37.6 56.4

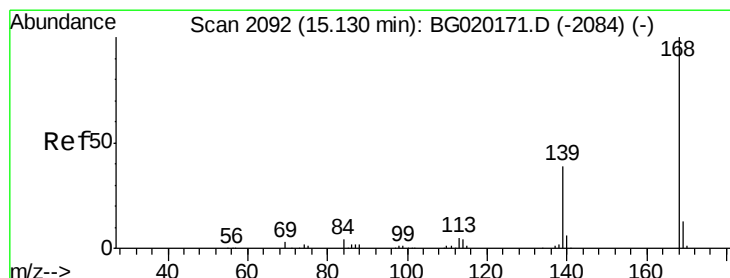
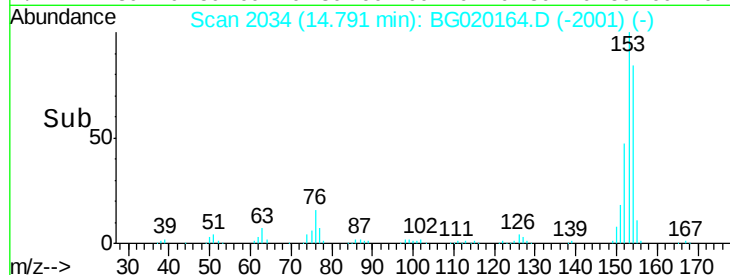
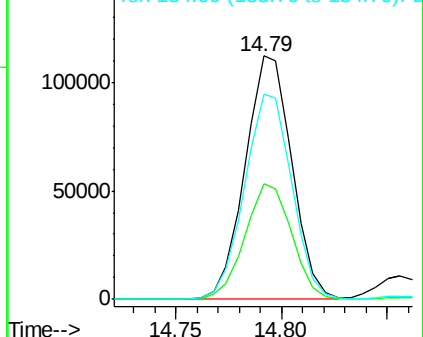
154 84.5 67.9 101.9



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

Dibenzofuran

Concen: 25.85 ng/ul

RT: 15.13 min Scan# 2091

Delta R.T. 0.00 min

Lab File: BG020164.D

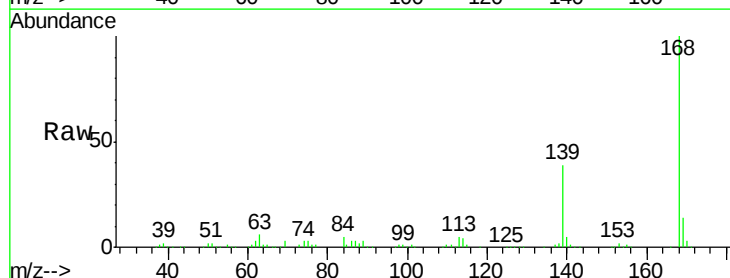
Acq: 14 Dec 2015 22:17

Tgt Ion:168 Resp: 185545

Ion Ratio Lower Upper

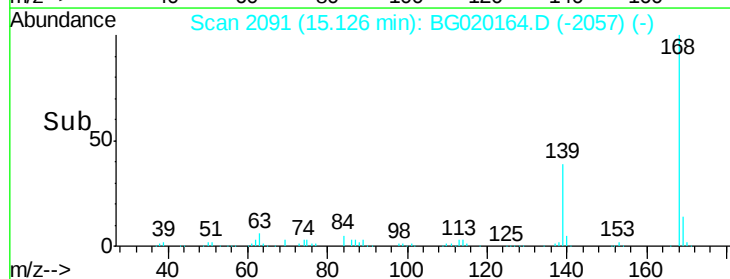
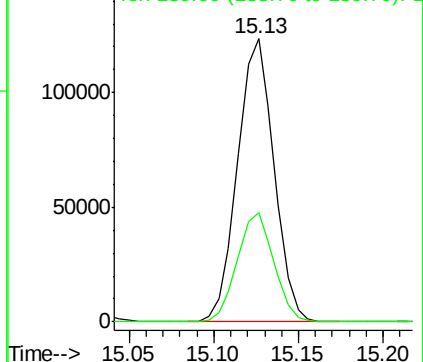
168 100

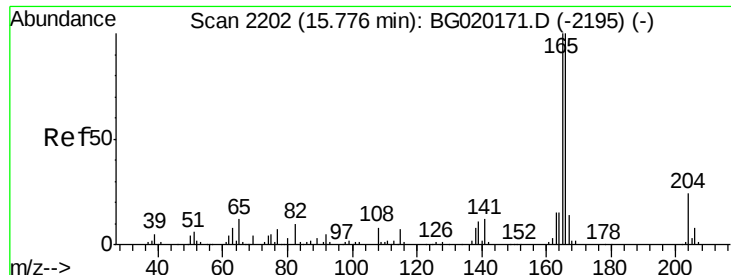
139 38.8 30.5 45.7



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#59

Fluorene

Concen: 30.29 ng/ul

RT: 15.77 min Scan# 2201

Delta R.T. -0.00 min

Lab File: BG020164.D

Acq: 14 Dec 2015 22:17

Instrument :

BNA_G

ClientSampleId :

D9N38

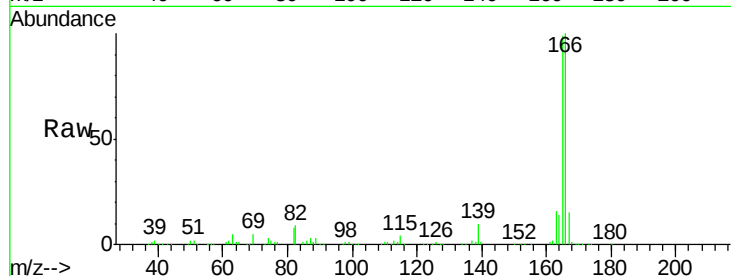
Tgt Ion:166 Resp: 174574

Ion Ratio Lower Upper

166 100

165 98.8 81.4 122.0

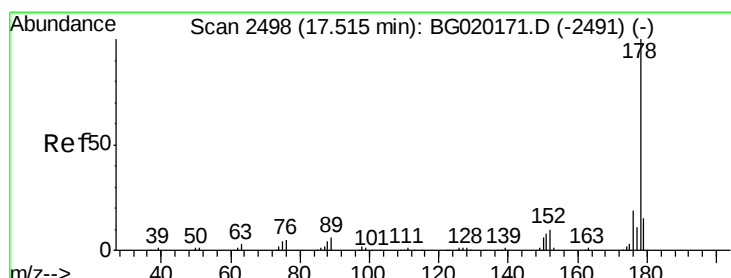
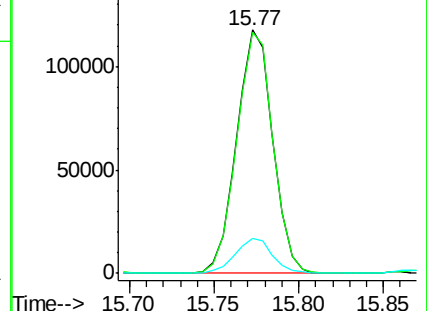
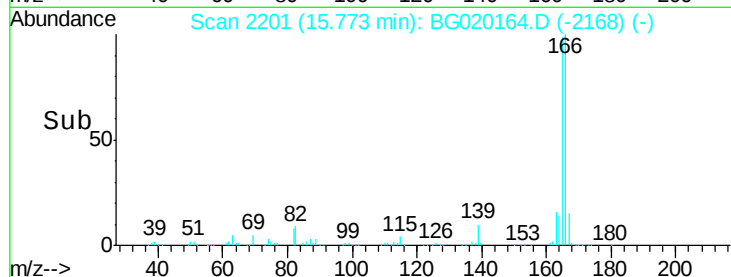
167 14.6 11.2 16.8



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: 87.15 ng/ul

RT: 17.52 min Scan# 2498

Delta R.T. 0.00 min

Lab File: BG020164.D

Acq: 14 Dec 2015 22:17

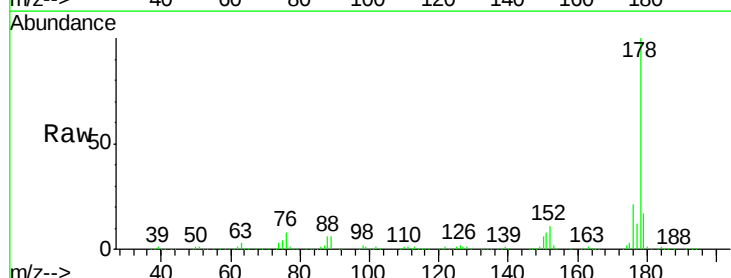
Tgt Ion:178 Resp: 864522

Ion Ratio Lower Upper

178 100

179 17.2 12.9 19.3

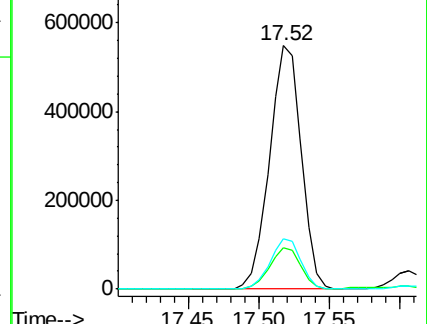
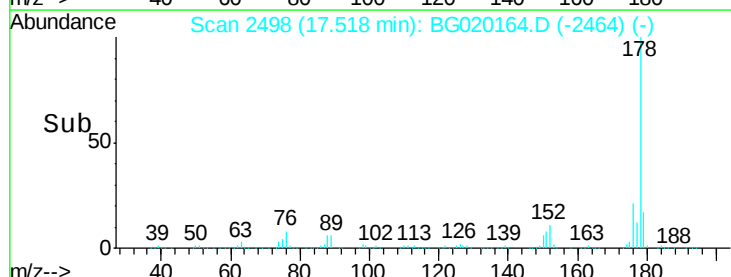
176 20.8 15.3 22.9

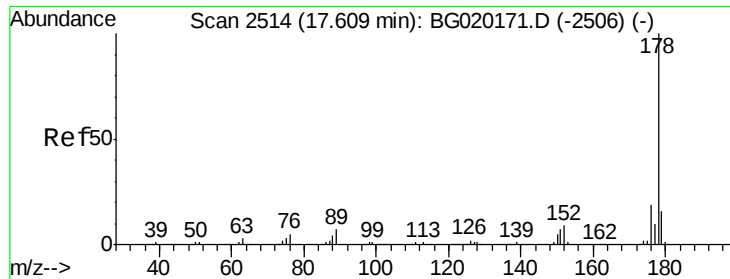


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Anthracene

Concen: 6.12 ng/ul

RT: 17.61 min Scan# 2513

Delta R.T. 0.00 min

Lab File: BG020164.D

Acq: 14 Dec 2015 22:17

Instrument :

BNA_G

ClientSampleId :

D9N38

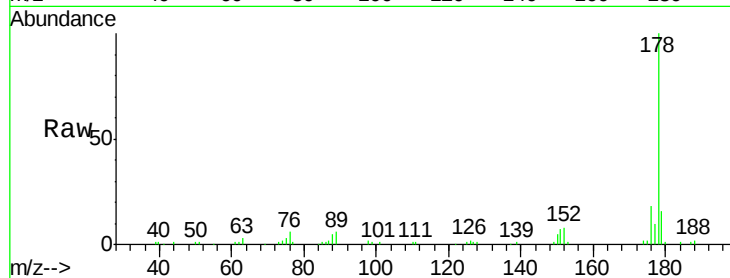
Tgt Ion:178 Resp: 61577

Ion Ratio Lower Upper

178 100

179 16.1 12.3 18.5

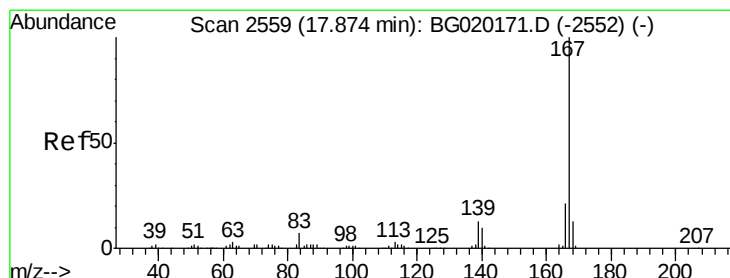
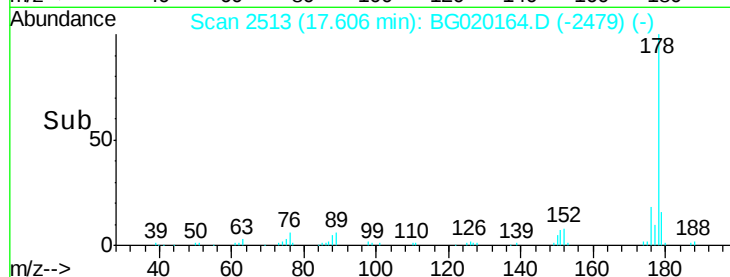
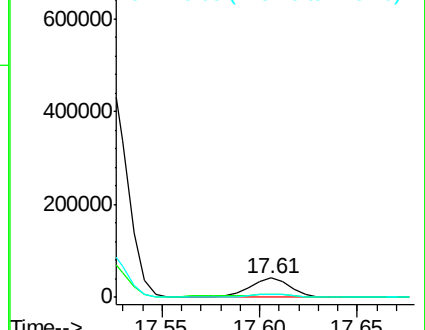
176 17.9 14.3 21.5



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: 5.98 ng/ul

RT: 17.87 min Scan# 2558

Delta R.T. -0.00 min

Lab File: BG020164.D

Acq: 14 Dec 2015 22:17

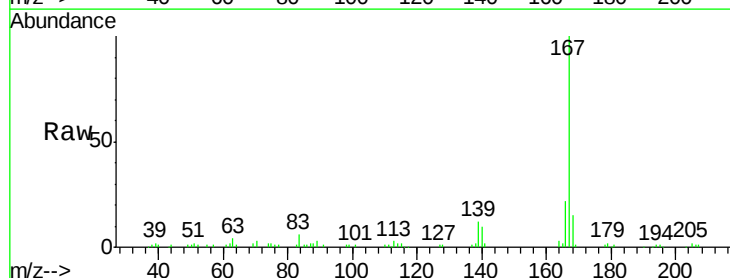
Tgt Ion:167 Resp: 50580

Ion Ratio Lower Upper

167 100

166 21.5 17.0 25.6

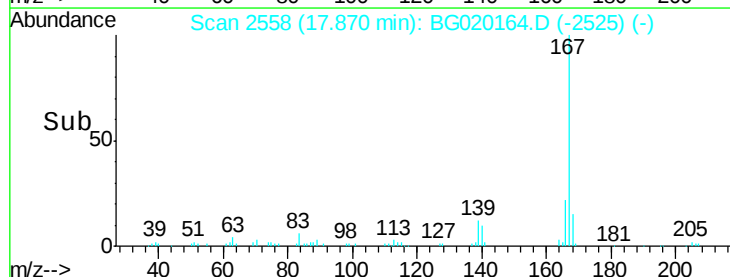
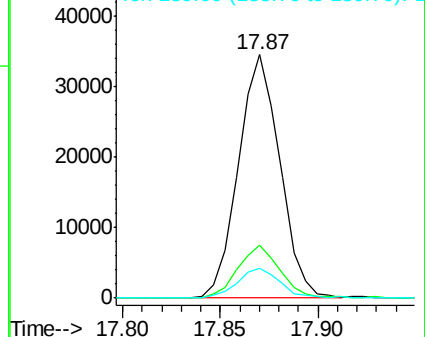
139 12.2 10.1 15.1

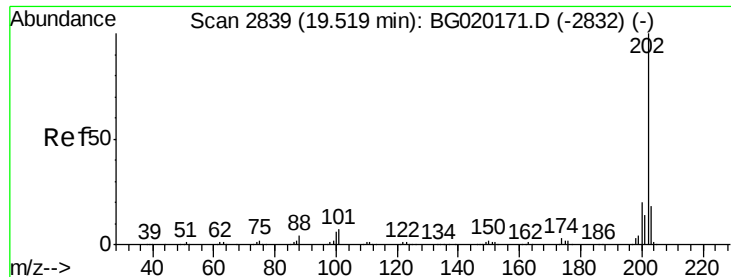


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

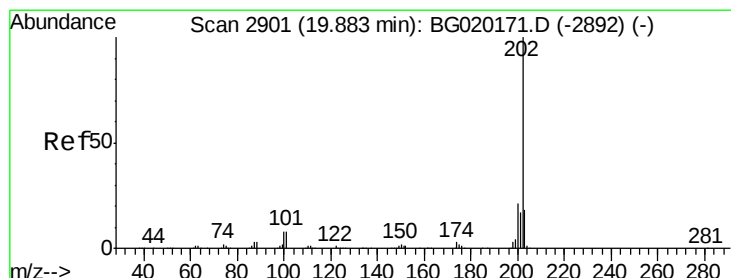
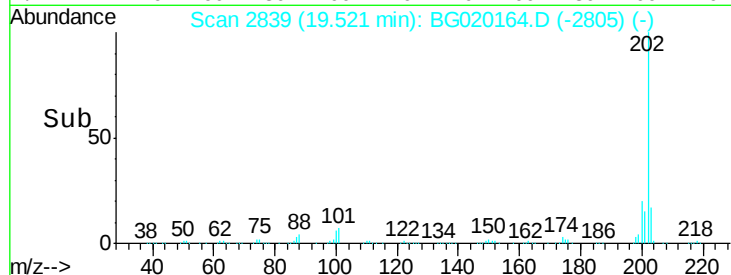
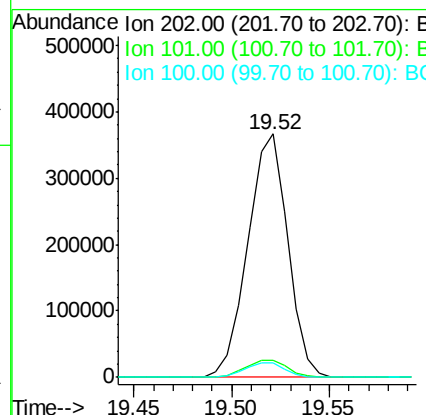
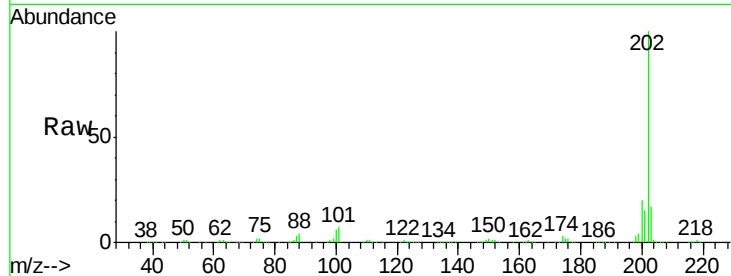




#77
Fluoranthene
 Concen: 44.83 ng/ul
 RT: 19.52 min Scan# 2839
 Delta R.T. 0.00 min
 Lab File: BG020164.D
 Acq: 14 Dec 2015 22:17

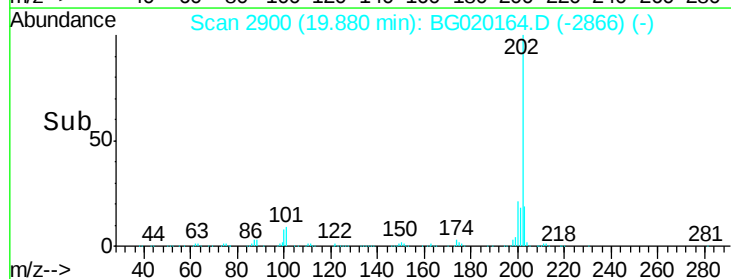
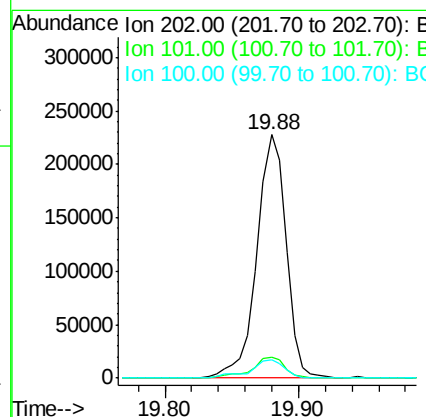
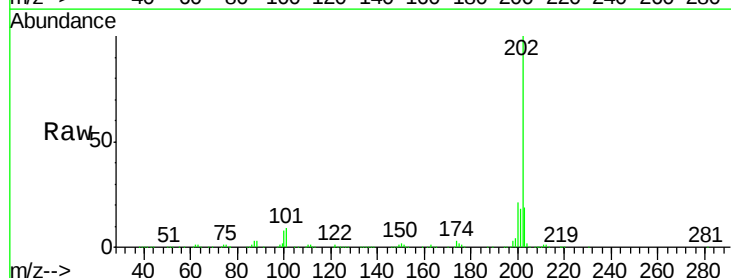
Instrument :
 BNA_G
 ClientSampleId :
 D9N38

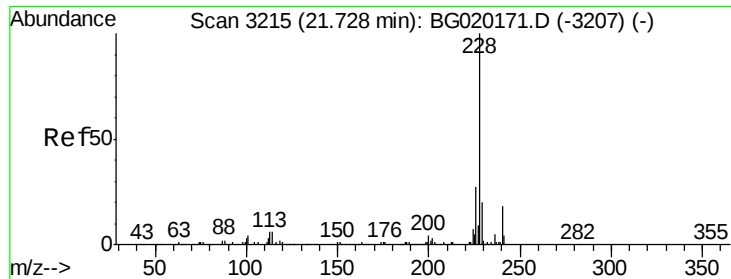
Tgt Ion	Ratio	Lower	Upper
202	100		
101	7.2	6.2	9.4
100	6.0	5.1	7.7



#80
Pyrene
 Concen: 27.93 ng/ul
 RT: 19.88 min Scan# 2900
 Delta R.T. 0.00 min
 Lab File: BG020164.D
 Acq: 14 Dec 2015 22:17

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.7	7.0	10.4
100	7.6	6.4	9.6

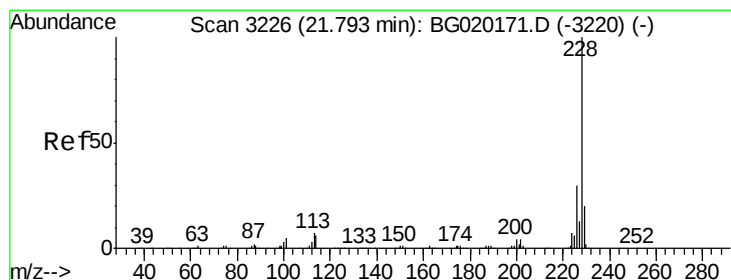
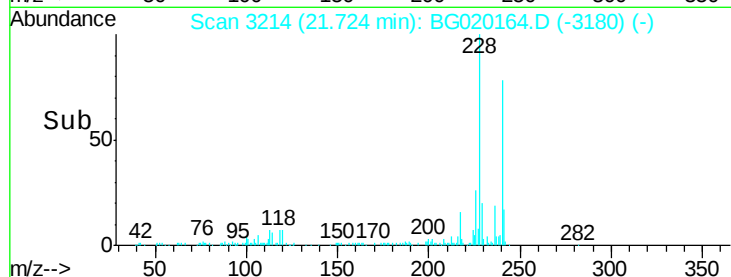
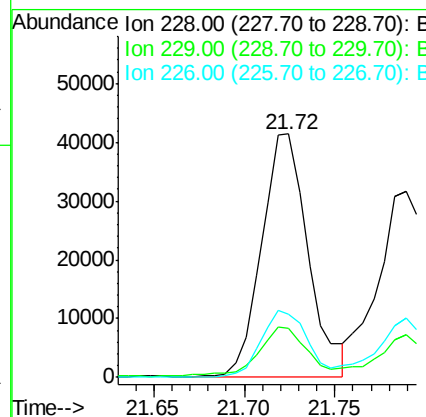
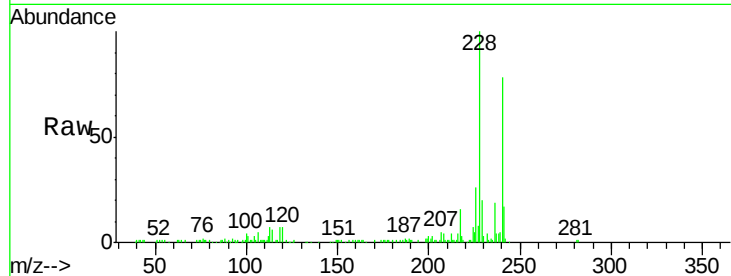




#83
Benzo(a)anthracene
Concen: 6.24 ng/ul
RT: 21.72 min Scan# 3214
Delta R.T. 0.00 min
Lab File: BG020164.D
Acq: 14 Dec 2015 22:17

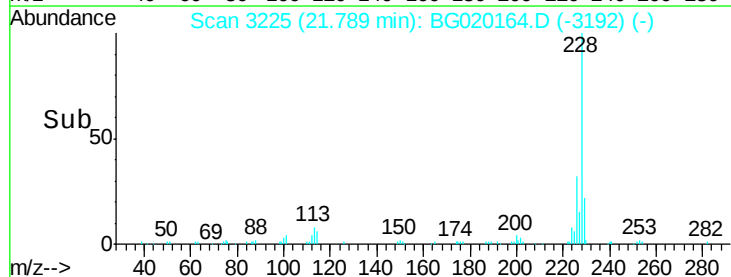
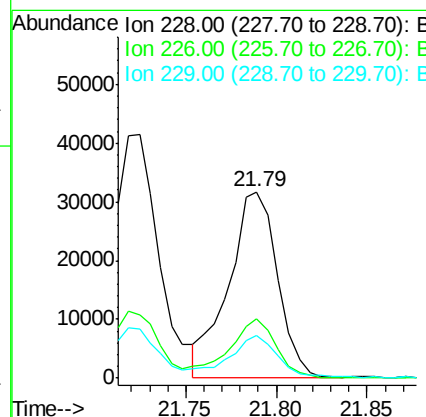
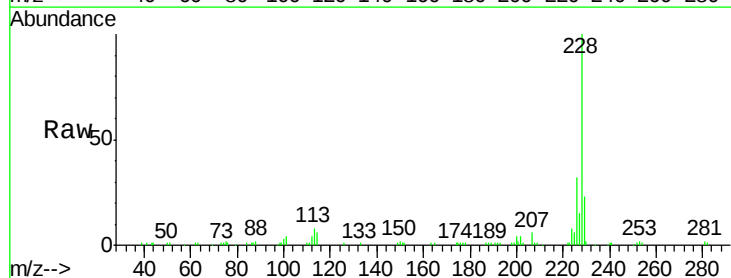
Instrument :
BNA_G
ClientSampled :
D9N38

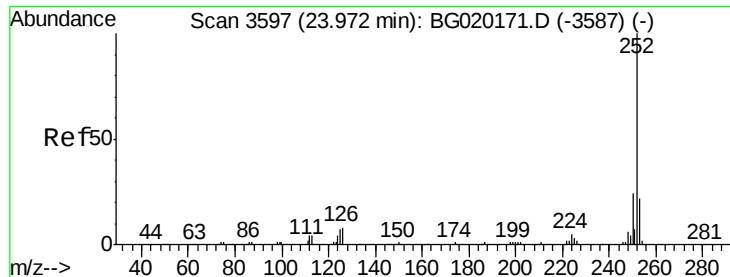
Tgt Ion:228 Resp: 74250
Ion Ratio Lower Upper
228 100
229 20.2 15.8 23.8
226 25.9 21.8 32.6



#85
Chrysene
Concen: 5.32 ng/ul
RT: 21.79 min Scan# 3225
Delta R.T. -0.00 min
Lab File: BG020164.D
Acq: 14 Dec 2015 22:17

Tgt Ion:228 Resp: 59697
Ion Ratio Lower Upper
228 100
226 31.6 23.9 35.9
229 22.9 15.6 23.4





#88

Benzo(b)fluoranthene

Concen: 2.89 ng/ul

RT: 23.97 min Scan# 3596

Delta R.T. -0.00 min

Lab File: BG020164.D

Acq: 14 Dec 2015 22:17

Instrument :

BNA_G

ClientSampleId :

D9N38

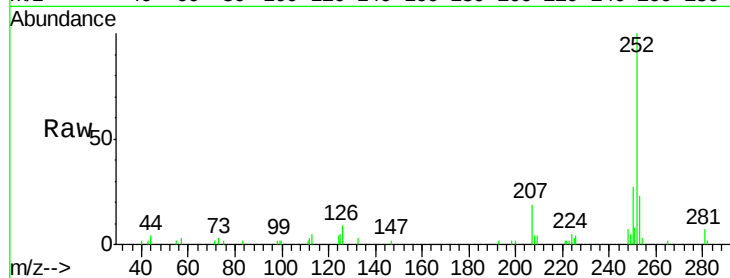
Tgt Ion:252 Resp: 33202

Ion Ratio Lower Upper

252 100

253 23.1 16.7 25.1

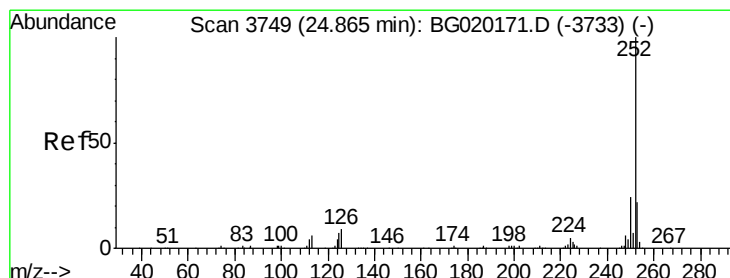
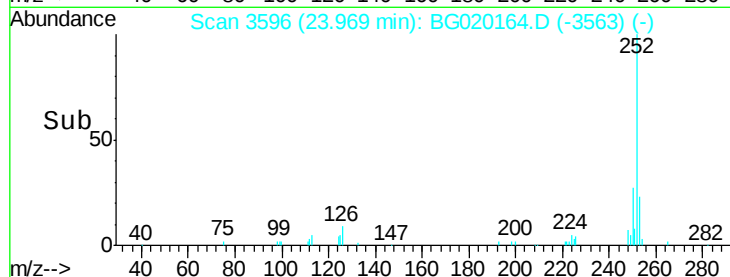
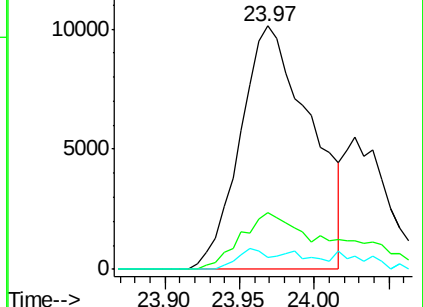
125 5.1 6.2 9.2#



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: 1.76 ng/ul

RT: 24.86 min Scan# 3747

Delta R.T. -0.00 min

Lab File: BG020164.D

Acq: 14 Dec 2015 22:17

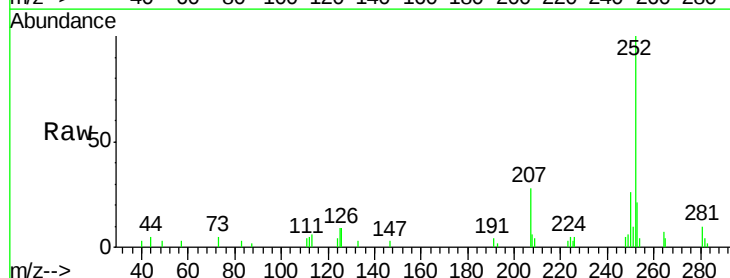
Tgt Ion:252 Resp: 19156

Ion Ratio Lower Upper

252 100

253 20.7 17.0 25.4

125 9.2 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

