

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121815\
 Data File : BG020259.D
 Acq On : 18 Dec 2015 00:05
 Operator : UM/SJ
 Sample : G4767-17DL 5X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N39DL

Quant Time: Dec 18 02:45:19 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Dec 18 02:40:02 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.10	152	15990	20.00	ng/ul	0.00
18) Naphthalene-d8	10.92	136	68649	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.73	164	52830	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.47	188	145403	20.00	ng/ul	0.00
78) Chrysene-d12	21.75	240	179446	20.00	ng/ul	0.00
86) Perylene-d12	25.02	264	171305	20.00	ng/ul	0.00

System Monitoring Compounds

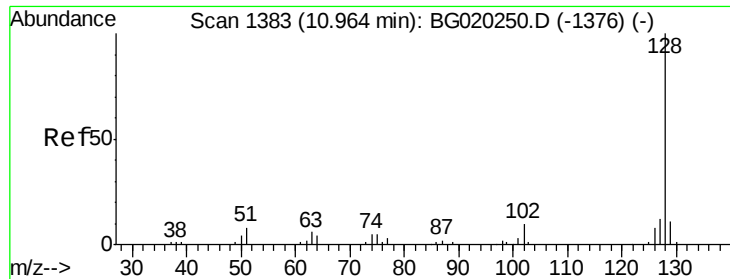
3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	7.24	99	6949	4.93	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.41	67	4859	5.78	ng/ul	0.00
9) 2-Chlorophenol-d4	7.62	132	5450	5.31	ng/ul	0.00
13) 4-Methylphenol-d8	8.79	113	6059	5.02	ng/ul	0.00
19) Nitrobenzene-d5	9.26	128	2951	5.51	ng/ul	0.00
22) 2-Nitrophenol-d4	9.99	143	3382	5.68	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.53	165	6494	5.38	ng/ul	0.00
29) 4-Chloroaniline-d4	11.05	131	8797	6.49	ng/ul	0.00
44) Dimethylphthalate-d6	14.12	166	31121	7.28	ng/ul	0.00
47) Acenaphthylene-d8	14.42	160	31319	6.30	ng/ul	0.00
52) 4-Nitrophenol-d4	14.91	143	3561	4.65	ng/ul	0.00
58) Fluorene-d10	15.72	176	26254	6.77	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.83	200	3124	3.62	ng/ul	0.00
71) Anthracene-d10	17.57	188	44923	6.71	ng/ul	0.00
79) Pyrene-d10	19.85	212	51975	6.21	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.79	264	53563	6.27	ng/ul	0.00

Target Compounds

						Qvalue
28) Naphthalene	10.96	128	31799	8.87	ng/ul	97
30) 4-Chloroaniline	10.96	127	4443	3.21	ng/ul#	13
34) 2-Methylnaphthalene	12.56	142	13896	5.07	ng/ul	96
35) 1-Methylnaphthalene	12.78	142	6771	2.57	ng/ul	98
41) 1,1'-Biphenyl	13.57	154	7140	1.79	ng/ul#	93
45) Dimethylphthalate	14.17	163	12023	2.75	ng/ul	97
50) Acenaphthene	14.79	153	37491	10.55	ng/ul	99
54) Dibenzofuran	15.12	168	41790	7.90	ng/ul	98
59) Fluorene	15.77	166	40383	9.51	ng/ul	99
70) Phenanthrene	17.51	178	232929	29.29	ng/ul	99
72) Anthracene	17.60	178	15804	1.96	ng/ul	97
75) Carbazole	17.87	167	10963	1.62	ng/ul	95
77) Fluoranthene	19.52	202	152686	16.43	ng/ul	99
80) Pyrene	19.88	202	101590	9.35	ng/ul	98
83) Benzo(a)anthracene	21.73	228	24826	2.37	ng/ul	93
85) Chrysene	21.80	228	20257	2.05	ng/ul	94

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

```
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Data File : BG020259.D  
Acq On    : 18 Dec 2015  00:05  
Operator  : UM/SJ  
Sample    : G4767-17DL 5X  
Misc      :  
ALS Vial  : 12      Sample Multiplier: 1
```



#28

Naphthalene

Concen: 8.87 ng/ul

RT: 10.96 min Scan# 1383

Delta R.T. -0.00 min

Lab File: BG020259.D

Acq: 18 Dec 2015 00:05

Instrument :

BNA_G

ClientSampleId :

D9N39DL

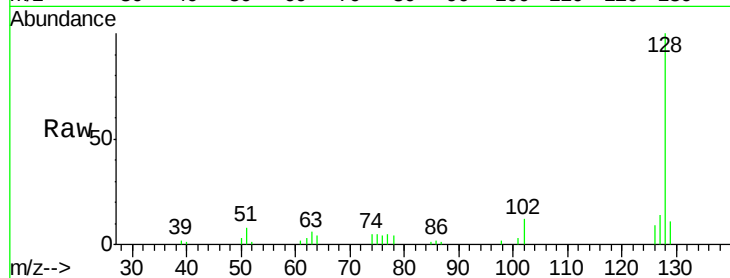
Tgt Ion:128 Resp: 31799

Ion Ratio Lower Upper

128 100

129 11.3 8.6 12.8

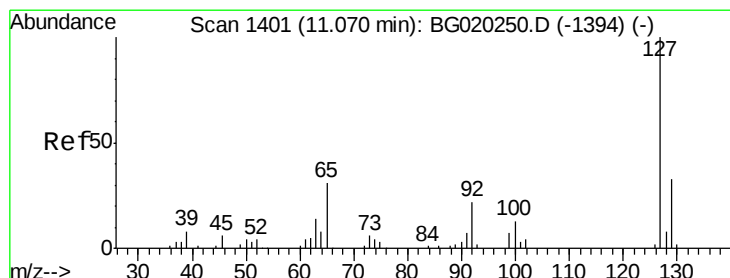
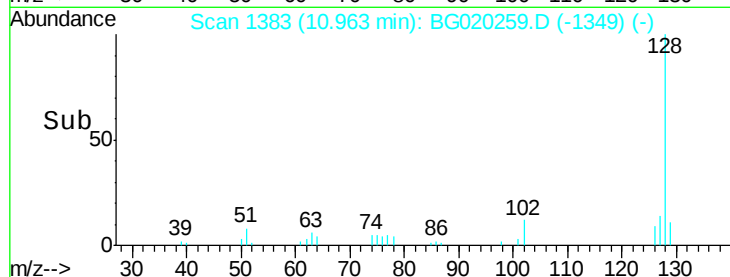
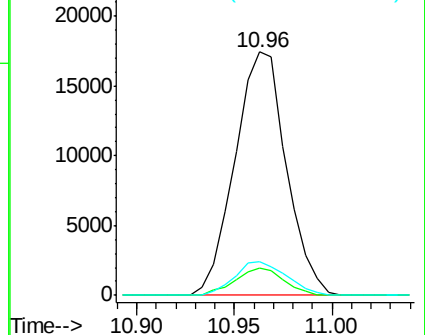
127 14.0 10.1 15.1



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



#30

4-Chloroaniline

Concen: 3.21 ng/ul

RT: 10.96 min Scan# 1383

Delta R.T. -0.11 min

Lab File: BG020259.D

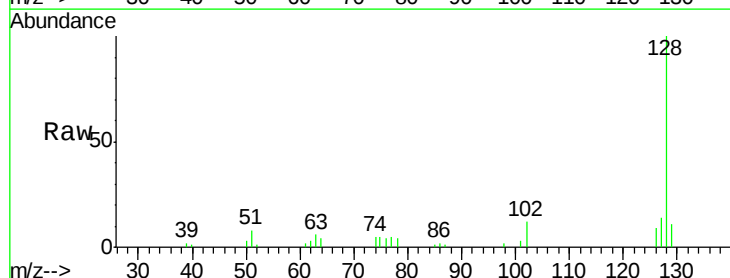
Acq: 18 Dec 2015 00:05

Tgt Ion:127 Resp: 4443

Ion Ratio Lower Upper

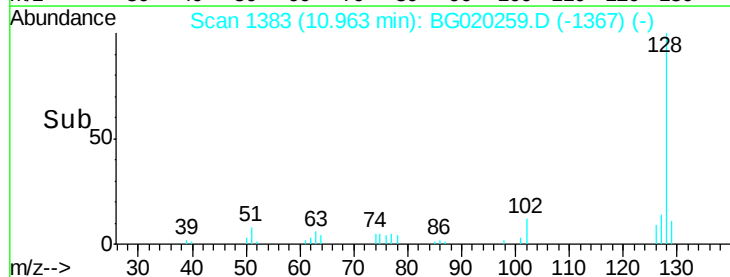
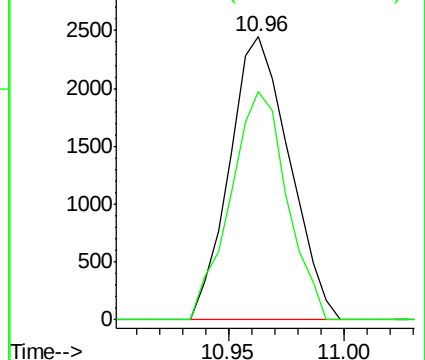
127 100

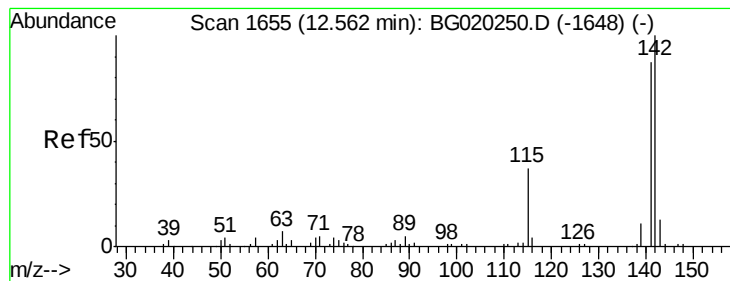
129 80.9 25.7 38.5#



Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E





#34

2-Methylnaphthalene

Concen: 5.07 ng/ul

RT: 12.56 min Scan# 1655

Delta R.T. -0.00 min

Lab File: BG020259.D

Acq: 18 Dec 2015 00:05

Instrument :

BNA_G

ClientSampleId :

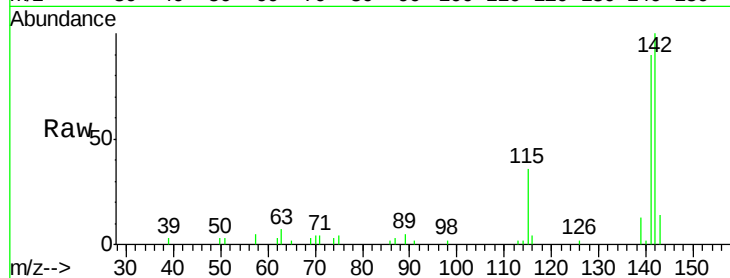
D9N39DL

Tgt Ion:142 Resp: 13896

Ion Ratio Lower Upper

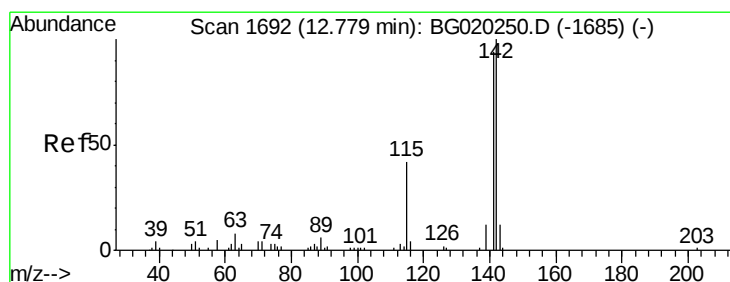
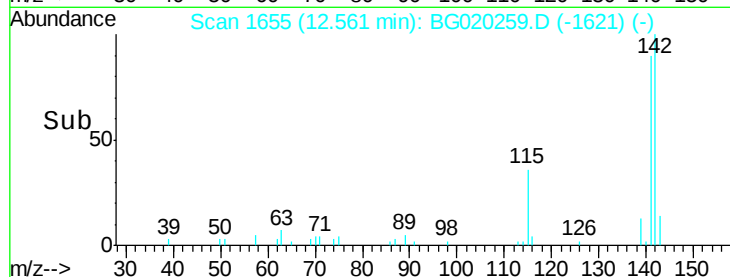
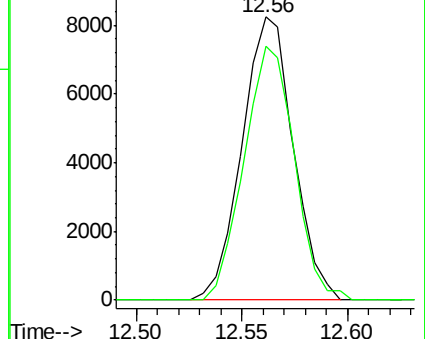
142 100

141 89.5 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: 2.57 ng/ul

RT: 12.78 min Scan# 1693

Delta R.T. 0.00 min

Lab File: BG020259.D

Acq: 18 Dec 2015 00:05

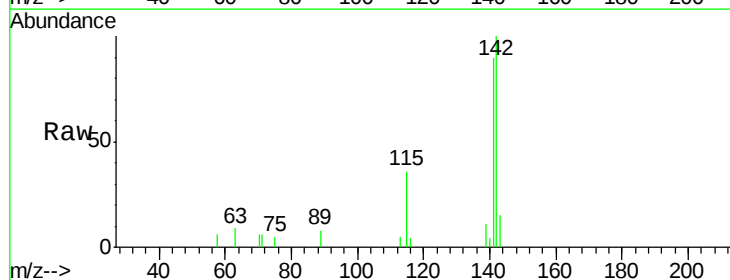
Tgt Ion:142 Resp: 6771

Ion Ratio Lower Upper

142 100

141 89.7 73.0 109.6

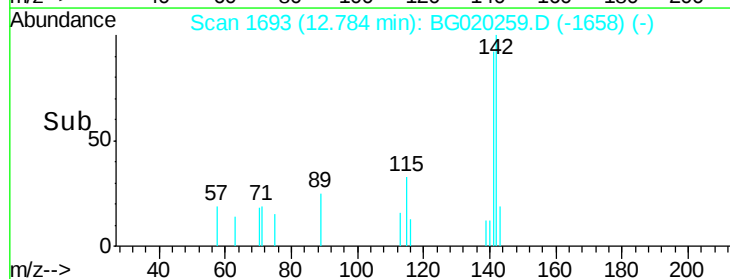
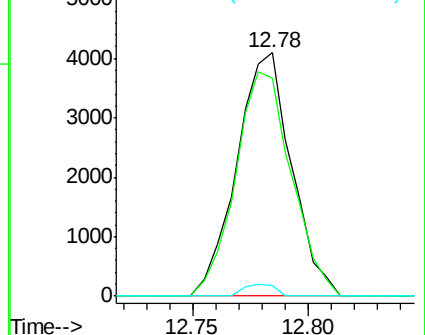
116 4.2 3.0 4.6

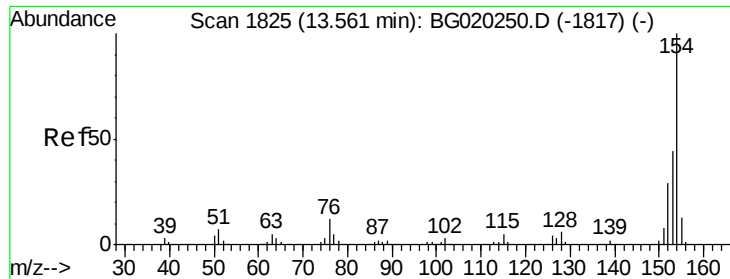


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E

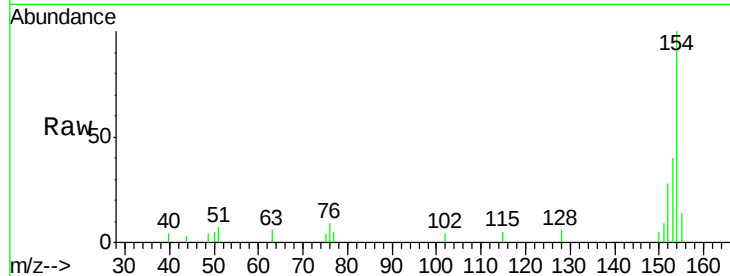




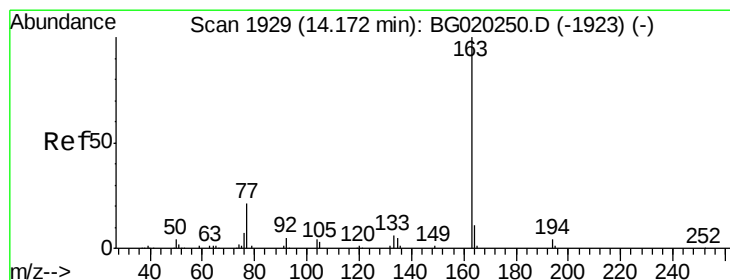
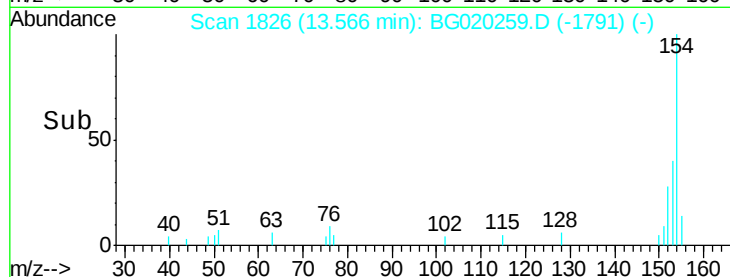
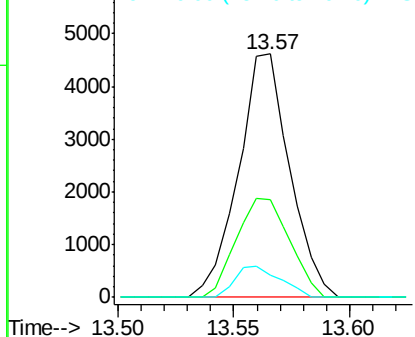
#41
 1,1'-Biphenyl
 Concen: 1.79 ng/ul
 RT: 13.57 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: BG020259.D
 Acq: 18 Dec 2015 00:05

Instrument :
 BNA_G
 ClientSampleId :
 D9N39DL

Tgt Ion:154 Resp: 7140
 Ion Ratio Lower Upper
 154 100
 153 40.0 35.5 53.3
 76 9.3 10.4 15.6#

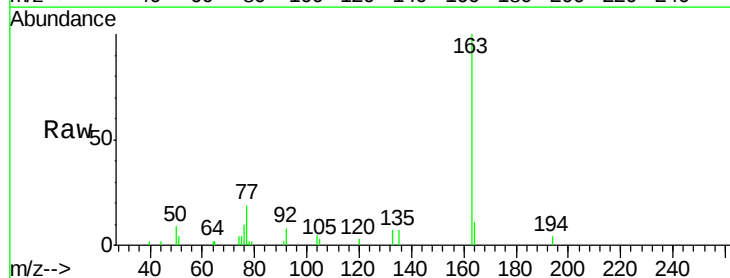


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BGC

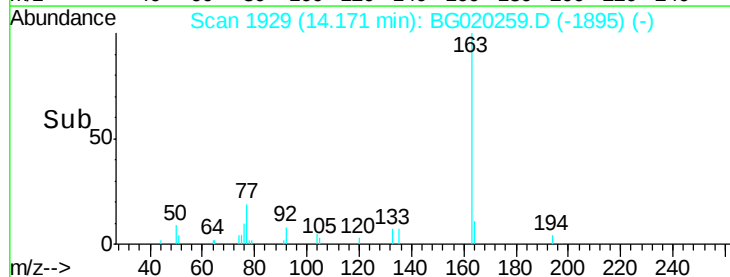
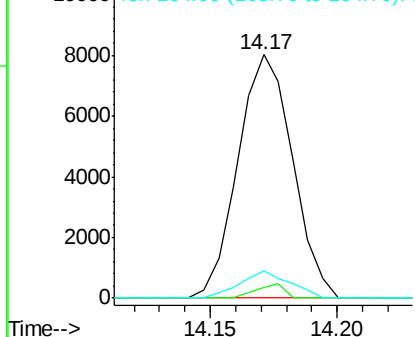


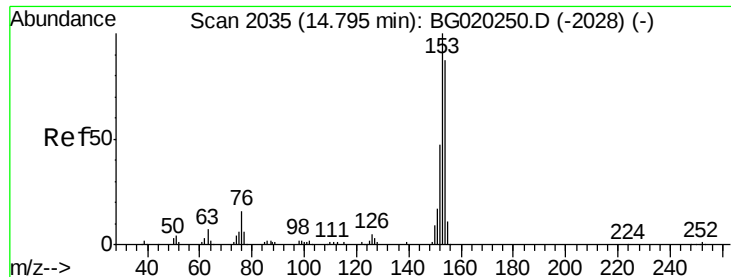
#45
 Dimethylphthalate
 Concen: 2.75 ng/ul
 RT: 14.17 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: BG020259.D
 Acq: 18 Dec 2015 00:05

Tgt Ion:163 Resp: 12023
 Ion Ratio Lower Upper
 163 100
 194 4.3 3.5 5.3
 164 11.1 7.7 11.5



Abundance Ion 163.00 (162.70 to 163.70): E
 Ion 194.00 (193.70 to 194.70): E
 Ion 164.00 (163.70 to 164.70): E





#50

Acenaphthene

Concen: 10.55 ng/u1

RT: 14.79 min Scan# 2035

Delta R.T. -0.00 min

Lab File: BG020259.D

Acq: 18 Dec 2015 00:05

Instrument :

BNA_G

ClientSampleId :

D9N39DL

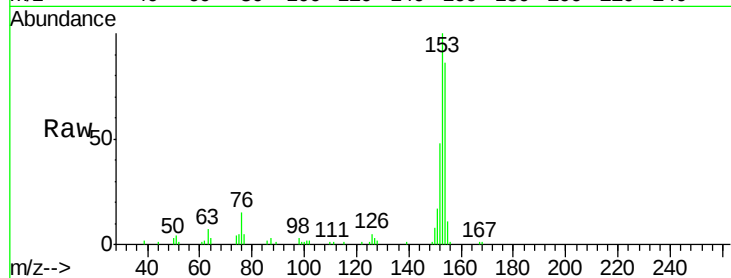
Tgt Ion:153 Resp: 37491

Ion Ratio Lower Upper

153 100

152 48.2 37.6 56.4

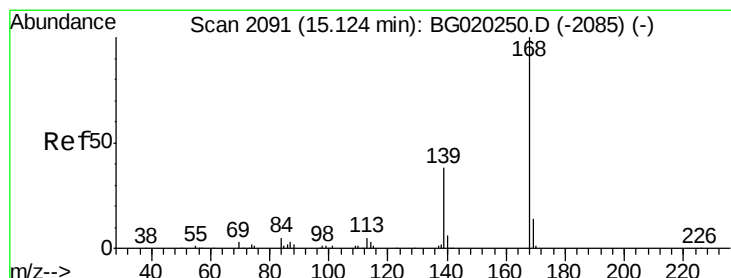
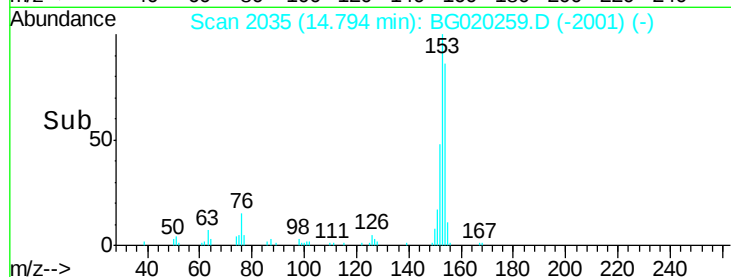
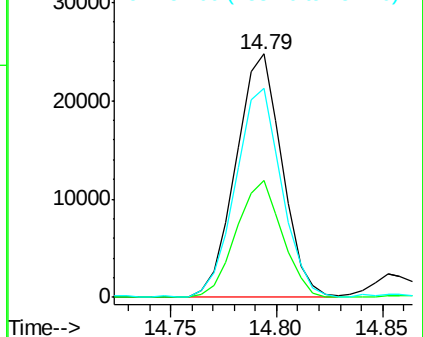
154 86.0 67.9 101.9



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: 7.90 ng/u1

RT: 15.12 min Scan# 2091

Delta R.T. -0.00 min

Lab File: BG020259.D

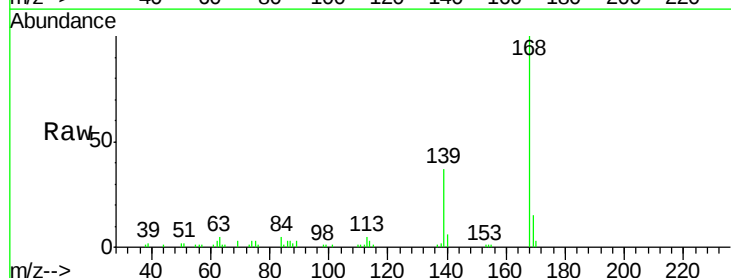
Acq: 18 Dec 2015 00:05

Tgt Ion:168 Resp: 41790

Ion Ratio Lower Upper

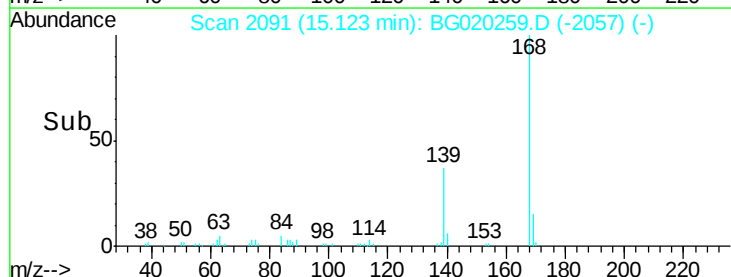
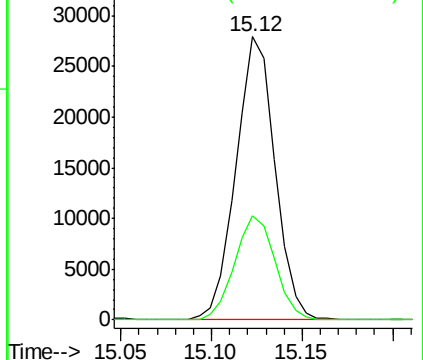
168 100

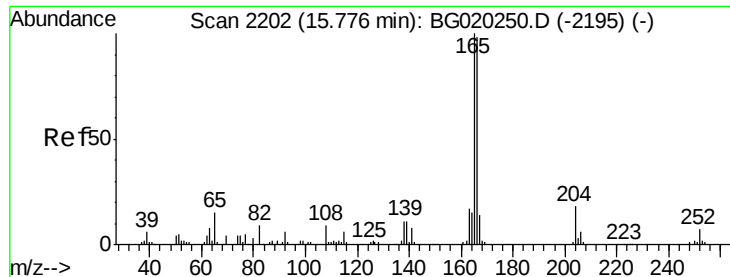
139 36.9 30.5 45.7



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#59

Fluorene

Concen: 9.51 ng/ul

RT: 15.77 min Scan# 2202

Delta R.T. -0.00 min

Lab File: BG020259.D

Acq: 18 Dec 2015 00:05

Instrument :

BNA_G

ClientSampleId :

D9N39DL

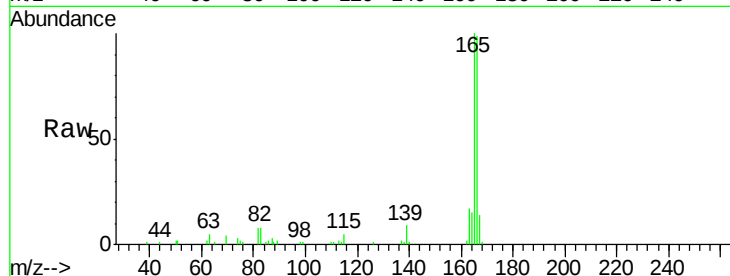
Tgt Ion:166 Resp: 40383

Ion Ratio Lower Upper

166 100

165 100.7 81.4 122.0

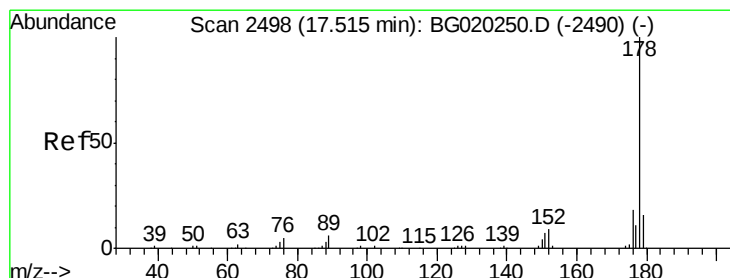
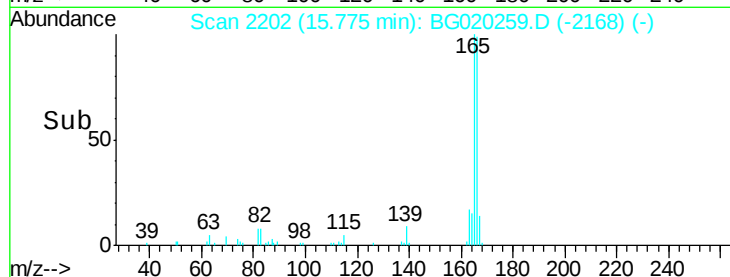
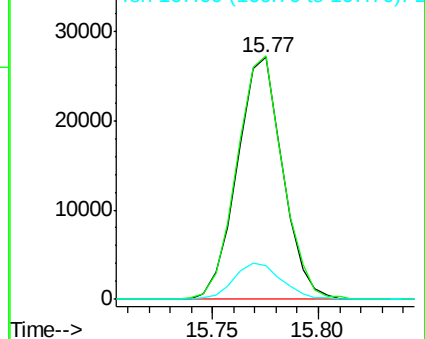
167 14.1 11.2 16.8



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: 29.29 ng/ul

RT: 17.51 min Scan# 2498

Delta R.T. -0.00 min

Lab File: BG020259.D

Acq: 18 Dec 2015 00:05

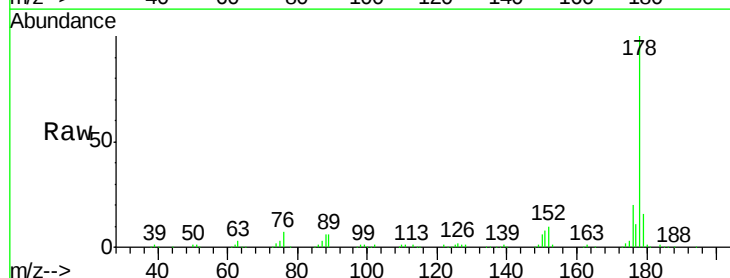
Tgt Ion:178 Resp: 232929

Ion Ratio Lower Upper

178 100

179 15.7 12.9 19.3

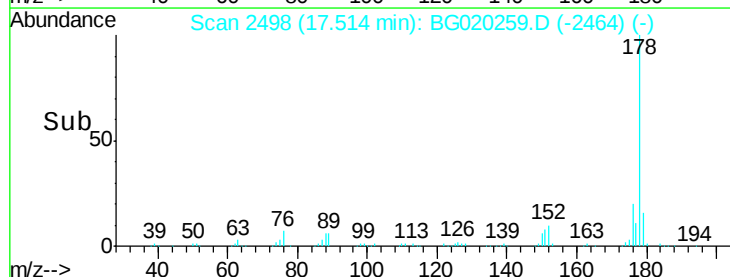
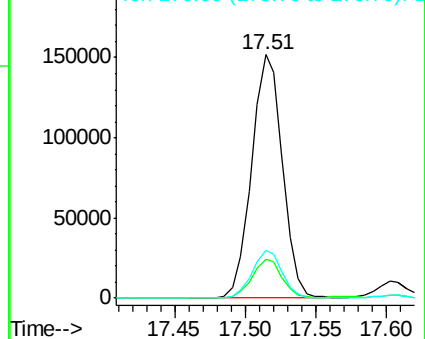
176 19.9 15.3 22.9

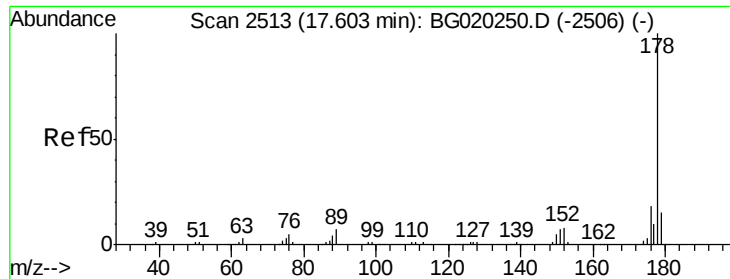


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Anthracene

Concen: 1.96 ng/ul

RT: 17.60 min Scan# 2513

Delta R.T. -0.00 min

Lab File: BG020259.D

Acq: 18 Dec 2015 00:05

Instrument :

BNA_G

ClientSampleId :

D9N39DL

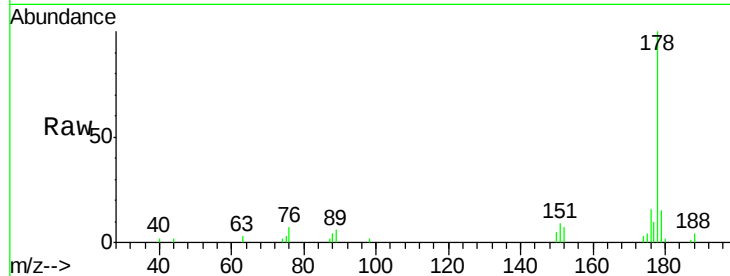
Tgt Ion:178 Resp: 15804

Ion Ratio Lower Upper

178 100

179 14.6 12.3 18.5

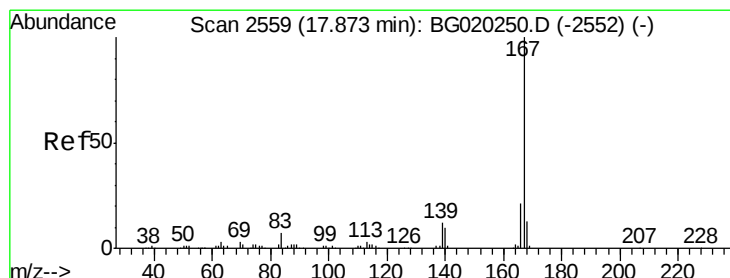
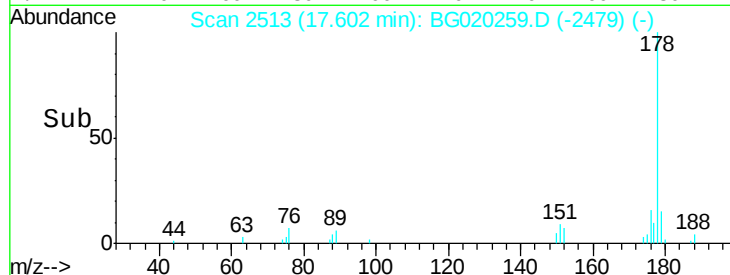
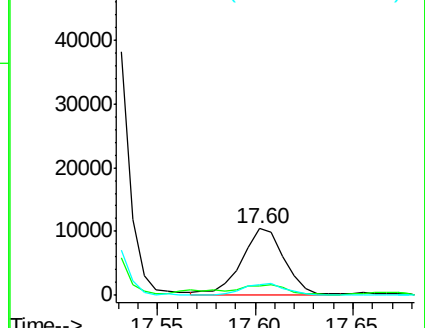
176 16.1 14.3 21.5



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: 1.62 ng/ul

RT: 17.87 min Scan# 2559

Delta R.T. -0.00 min

Lab File: BG020259.D

Acq: 18 Dec 2015 00:05

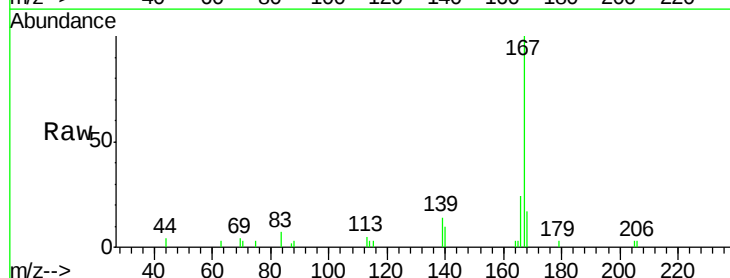
Tgt Ion:167 Resp: 10963

Ion Ratio Lower Upper

167 100

166 23.8 17.0 25.6

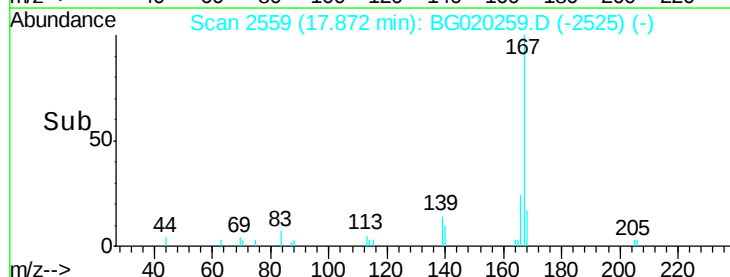
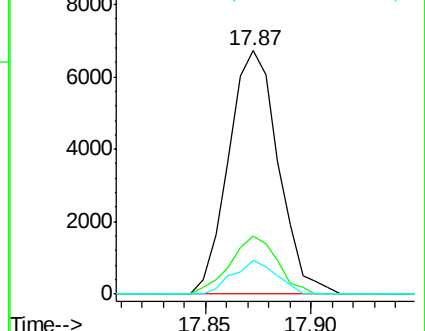
139 13.9 10.1 15.1

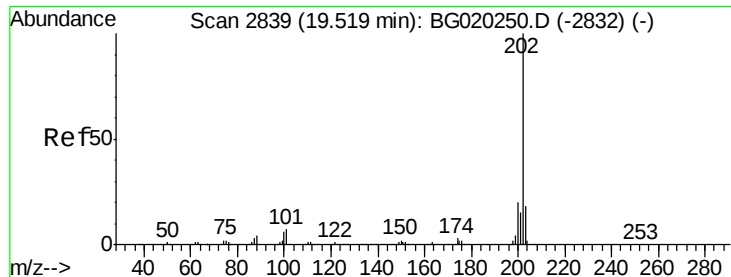


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

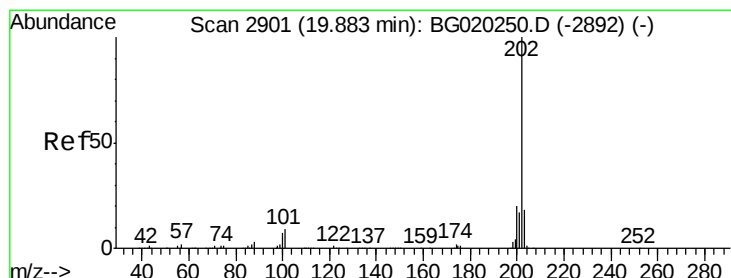
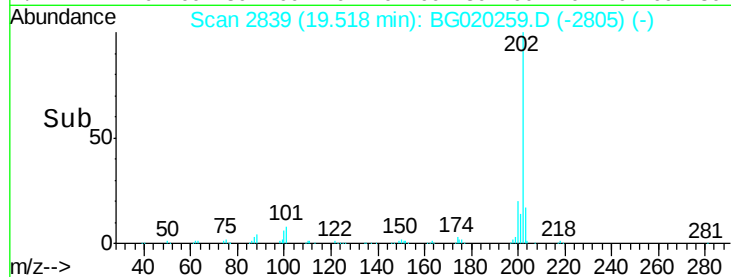
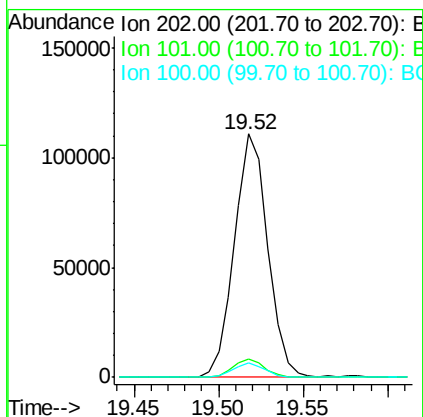
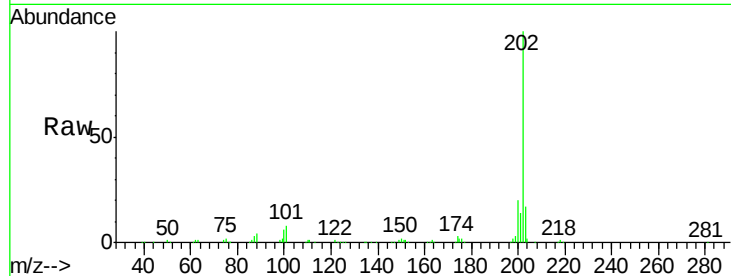




#77
Fluoranthene
Concen: 16.43 ng/ul
RT: 19.52 min Scan# 2839
Delta R.T. -0.00 min
Lab File: BG020259.D
Acq: 18 Dec 2015 00:05

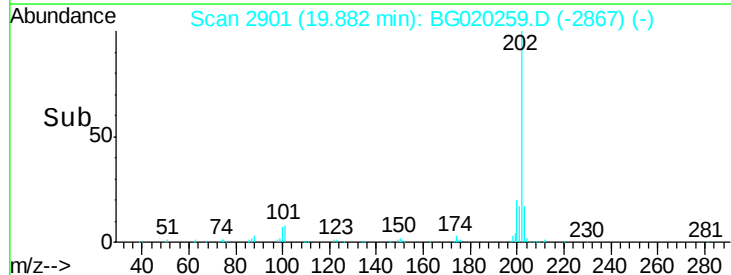
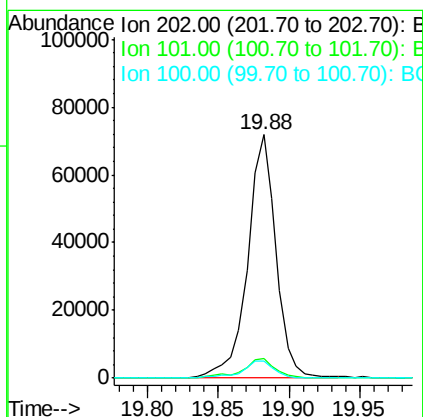
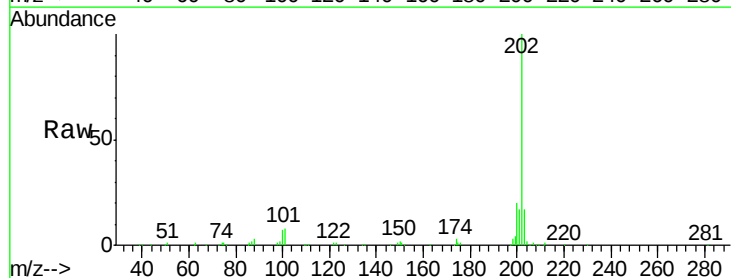
Instrument :
BNA_G
ClientSampleId :
D9N39DL

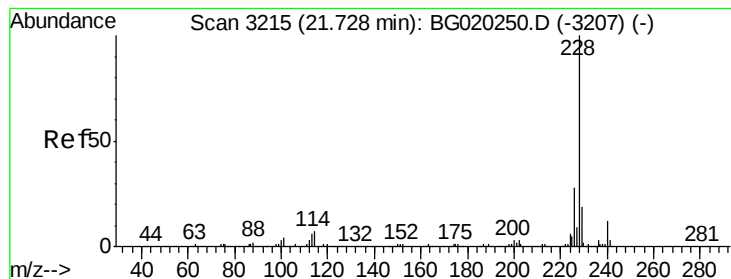
Tgt Ion	Ratio	Lower	Upper
202	100		
101	7.6	6.2	9.4
100	6.1	5.1	7.7



#80
Pyrene
Concen: 9.35 ng/ul
RT: 19.88 min Scan# 2901
Delta R.T. -0.00 min
Lab File: BG020259.D
Acq: 18 Dec 2015 00:05

Tgt Ion	Ratio	Lower	Upper
202	100		
101	7.8	7.0	10.4
100	7.2	6.4	9.6





#83

Benzo(a)anthracene

Concen: 2.37 ng/ul

RT: 21.73 min Scan# 3215

Delta R.T. -0.00 min

Lab File: BG020259.D

Acq: 18 Dec 2015 00:05

Instrument :

BNA_G

ClientSampleId :

D9N39DL

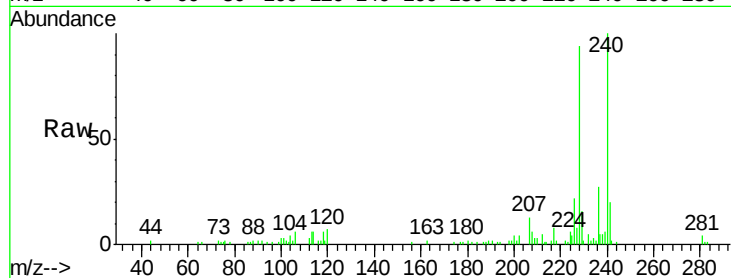
Tgt Ion:228 Resp: 24826

Ion Ratio Lower Upper

228 100

229 17.2 15.8 23.8

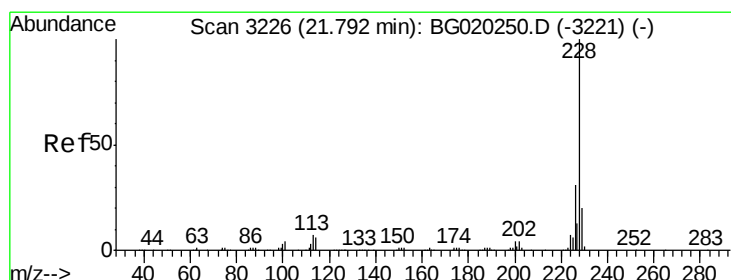
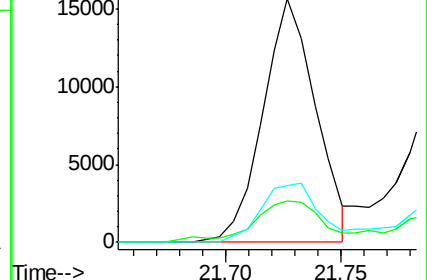
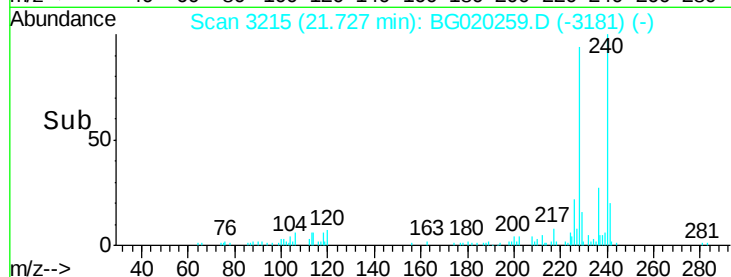
226 23.5 21.8 32.6



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E



#85

Chrysene

Concen: 2.05 ng/ul

RT: 21.80 min Scan# 3227

Delta R.T. 0.00 min

Lab File: BG020259.D

Acq: 18 Dec 2015 00:05

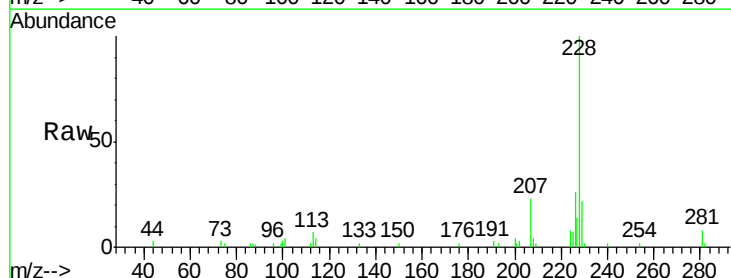
Tgt Ion:228 Resp: 20257

Ion Ratio Lower Upper

228 100

226 26.4 23.9 35.9

229 21.7 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

