

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121915\
 Data File : BG020283.D
 Acq On : 18 Dec 2015 20:13
 Operator : UM/SJ
 Sample : G4768-04
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N28

Quant Time: Dec 19 00:50:08 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Dec 19 00:45:12 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.09	152	16703	20.00	ng/ul	0.00
18) Naphthalene-d8	10.91	136	74599	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.73	164	54155	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.47	188	136323	20.00	ng/ul	0.00
78) Chrysene-d12	21.74	240	172089	20.00	ng/ul	0.00
86) Perylene-d12	25.02	264	156707	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.46	96	455	1.50	ng/uL	0.00
5) Phenol-d5	7.24	99	12373	8.40	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.41	67	25353	28.85	ng/ul	0.00
9) 2-Chlorophenol-d4	7.62	132	27698	25.86	ng/ul	0.00
13) 4-Methylphenol-d8	8.79	113	21271	16.89	ng/ul	0.00
19) Nitrobenzene-d5	9.26	128	17648	30.35	ng/ul	0.00
22) 2-Nitrophenol-d4	9.98	143	20771	32.10	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.52	165	36981	28.21	ng/ul	0.00
29) 4-Chloroaniline-d4	11.06	131	450	0.31	ng/ul	0.02
44) Dimethylphthalate-d6	14.13	166	140204	32.01	ng/ul	0.00
47) Acenaphthylene-d8	14.42	160	161349	31.66	ng/ul	0.00
52) 4-Nitrophenol-d4	14.91	143	6337	8.07	ng/ul	0.00
58) Fluorene-d10	15.71	176	123989	31.21	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.82	200	20831	25.78	ng/ul	0.00
71) Anthracene-d10	17.57	188	201203	32.03	ng/ul	0.00
79) Pyrene-d10	19.85	212	235764	29.39	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.79	264	238703	30.54	ng/ul	0.00

Target Compounds

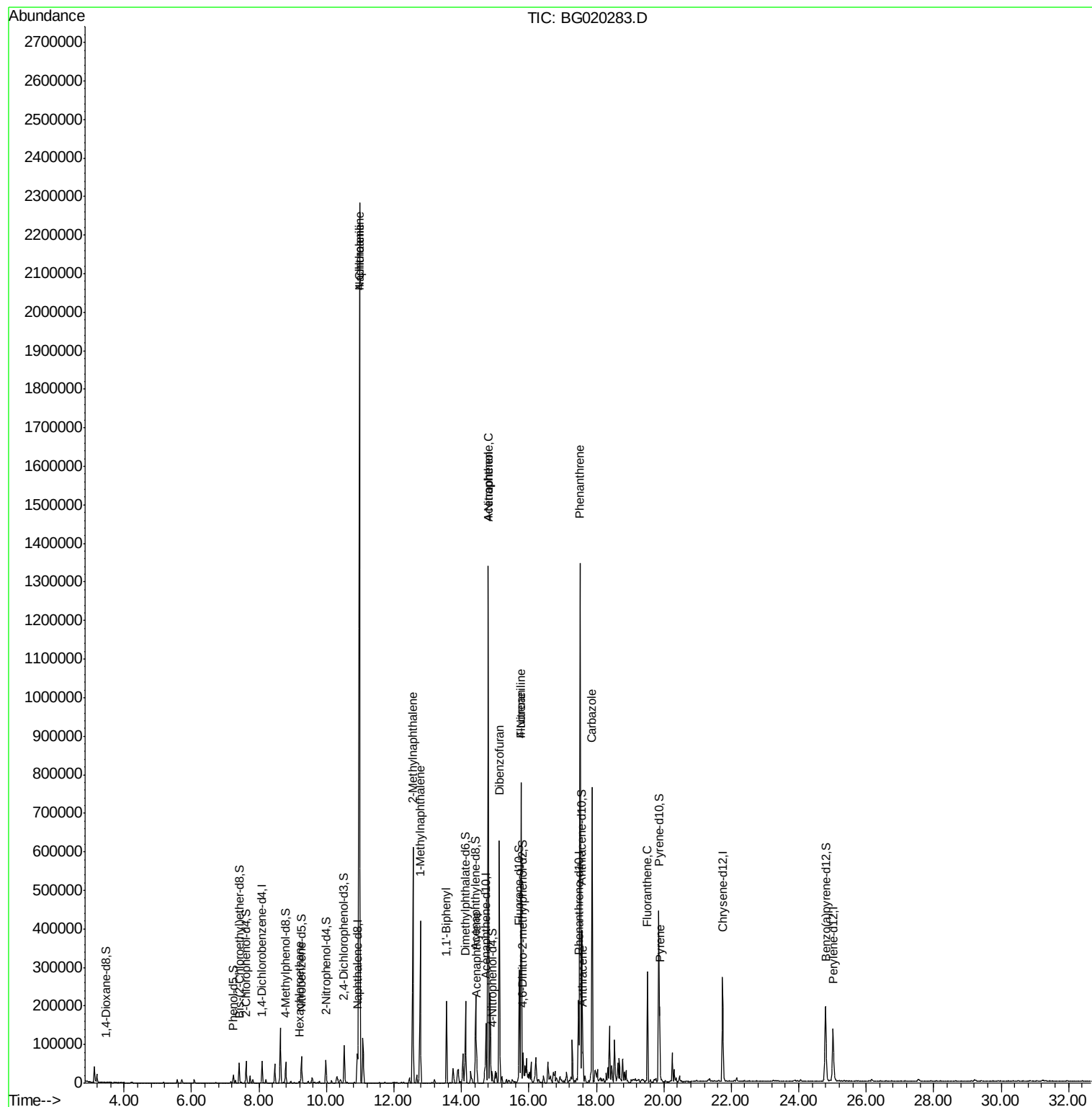
						Qvalue
17) Hexachloroethane	9.20	117	889	1.89	ng/ul#	1
28) Naphthalene	10.98	128	1978974	507.99	ng/ul#	90
30) 4-Chloroaniline	10.98	127	307232	204.42	ng/ul#	7
34) 2-Methylnaphthalene	12.56	142	286856	96.40	ng/ul	98
35) 1-Methylnaphthalene	12.78	142	193228	67.54	ng/ul#	98
41) 1,1'-Biphenyl	13.56	154	113138	27.69	ng/ul	97
48) Acenaphthylene	14.45	152	52828	9.76	ng/ul	97
50) Acenaphthene	14.80	153	586822	161.08	ng/ul	98
53) 4-Nitrophenol	14.79	109	1162	1.54	ng/ul#	1
54) Dibenzofuran	15.13	168	388526	71.69	ng/ul	100
59) Fluorene	15.77	166	355589	81.71	ng/ul	98
61) 4-Nitroaniline	15.77	138	4505	4.64	ng/ul#	10
70) Phenanthrene	17.52	178	865902	116.12	ng/ul	97
72) Anthracene	17.60	178	62382	8.25	ng/ul	99
75) Carbazole	17.88	167	524255	82.50	ng/ul	99
77) Fluoranthene	19.52	202	198739	22.81	ng/ul	97
80) Pyrene	19.88	202	117158	11.25	ng/ul	98

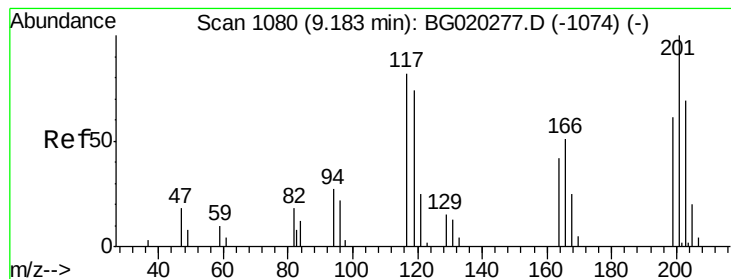
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#17

Hexachloroethane

Concen: 1.89 ng/ul

RT: 9.20 min Scan# 1083

Delta R.T. 0.02 min

Lab File: BG020283.D

Acq: 18 Dec 2015 20:13

Instrument :

BNA_G

ClientSampleId :

D9N28

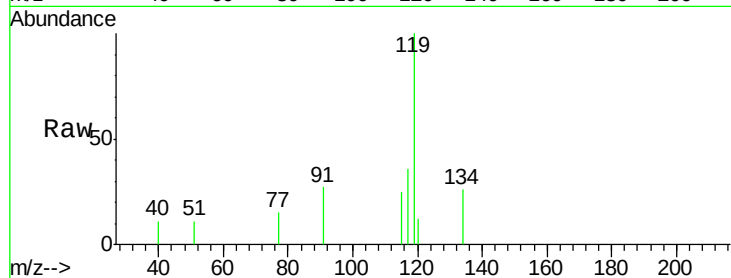
Tgt Ion:117 Resp: 889

Ion Ratio Lower Upper

117 100

201 0.0 102.7 154.1#

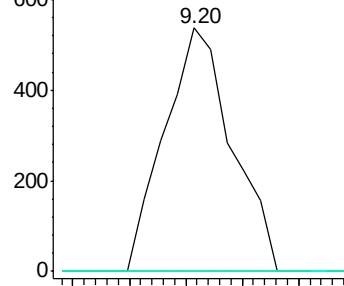
199 0.0 65.8 98.8#



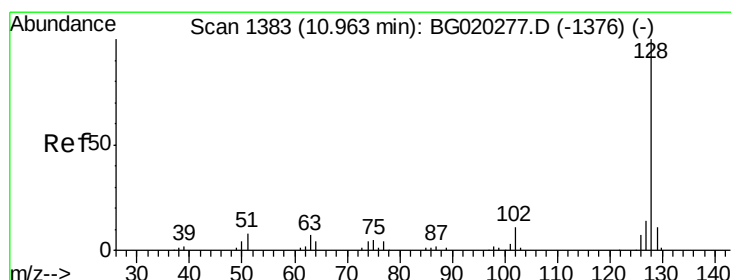
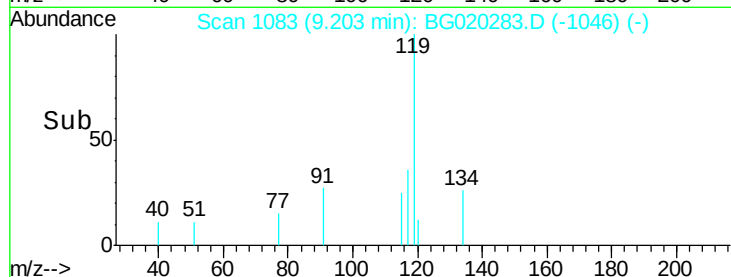
Abundance Ion 117.00 (116.70 to 117.70): E

Ion 201.00 (200.70 to 201.70): E

Ion 199.00 (198.70 to 199.70): E



Time-->



#28

Naphthalene

Concen: 507.99 ng/ul

RT: 10.98 min Scan# 1385

Delta R.T. 0.01 min

Lab File: BG020283.D

Acq: 18 Dec 2015 20:13

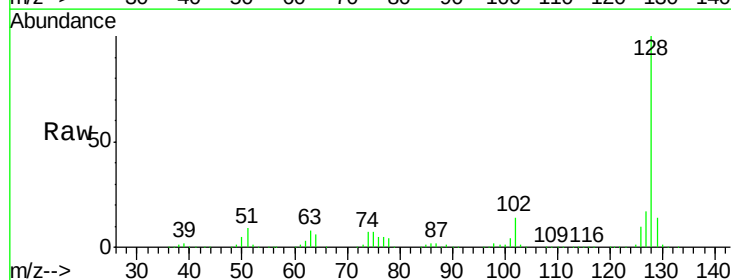
Tgt Ion:128 Resp: 1978974

Ion Ratio Lower Upper

128 100

129 14.2 8.6 12.8#

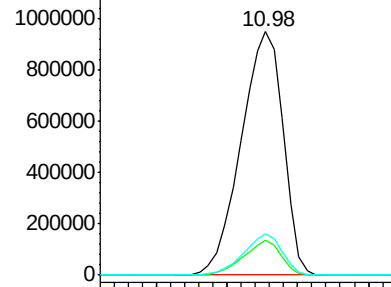
127 17.0 10.1 15.1#



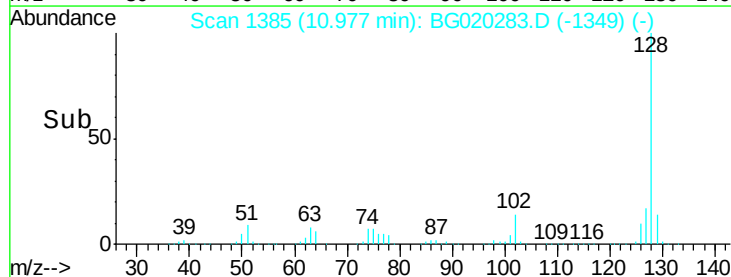
Abundance Ion 128.00 (127.70 to 128.70): E

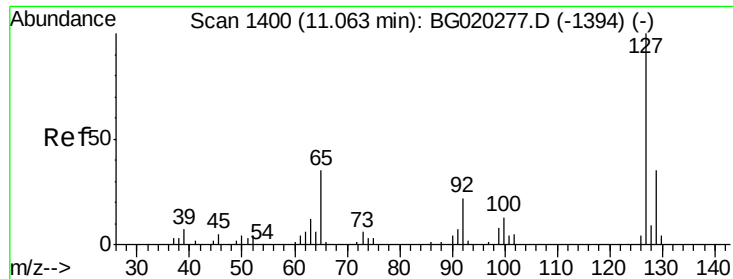
Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



Time-->

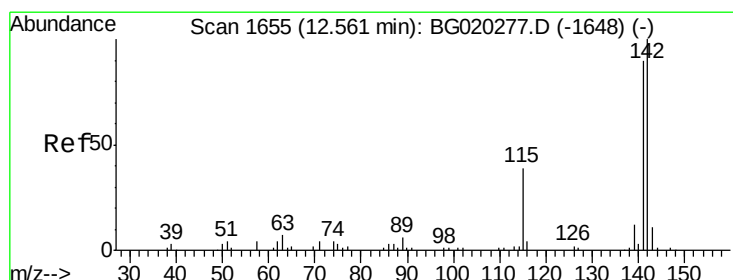
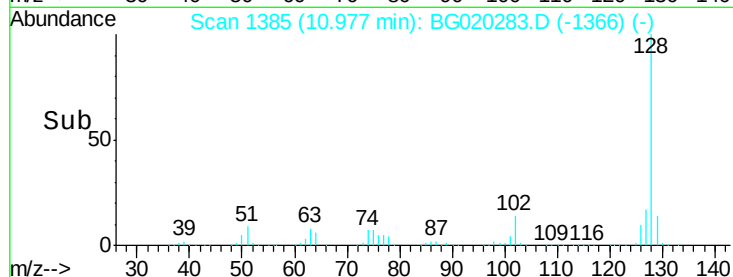
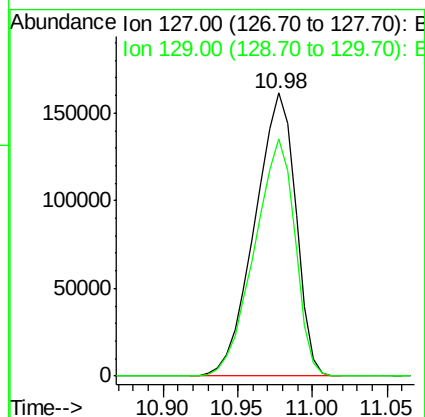
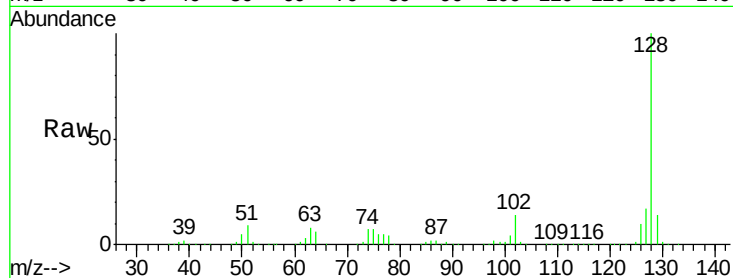




#30
4-Chloroaniline
Concen: 204.42 ng/ul
RT: 10.98 min Scan# 1385
Delta R.T. -0.09 min
Lab File: BG020283.D
Acq: 18 Dec 2015 20:13

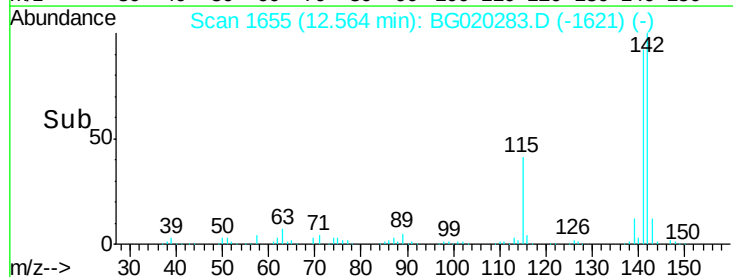
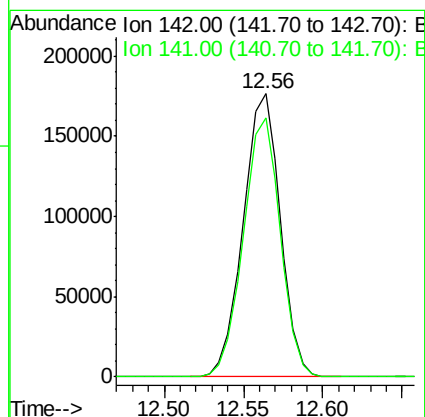
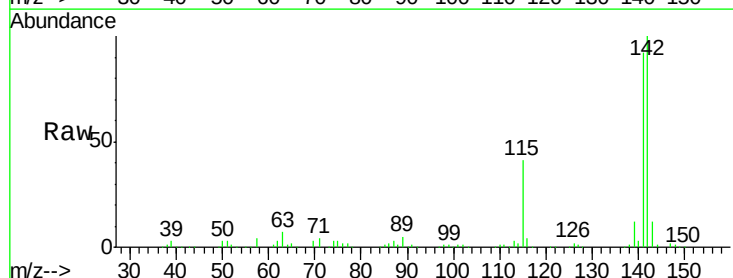
Instrument :
BNA_G
ClientSampleId :
D9N28

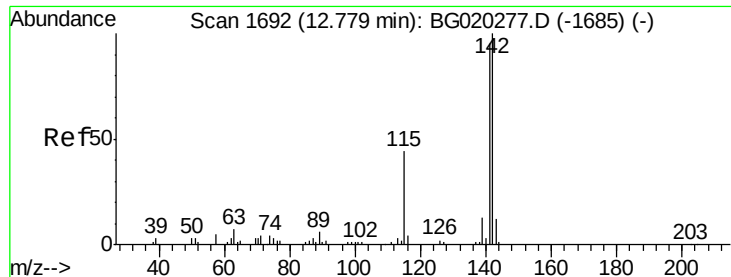
Tgt Ion:127 Resp: 307232
Ion Ratio Lower Upper
127 100
129 83.7 25.7 38.5#



#34
2-Methylnaphthalene
Concen: 96.40 ng/ul
RT: 12.56 min Scan# 1655
Delta R.T. 0.00 min
Lab File: BG020283.D
Acq: 18 Dec 2015 20:13

Tgt Ion:142 Resp: 286856
Ion Ratio Lower Upper
142 100
141 91.7 74.9 112.3

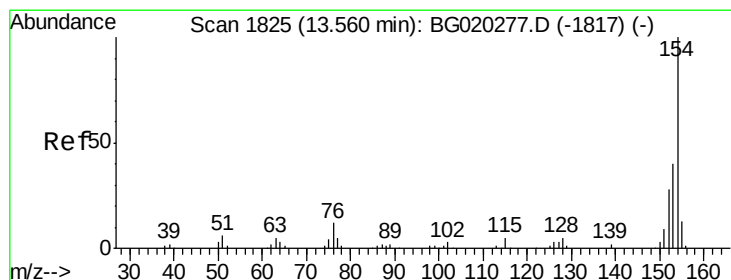
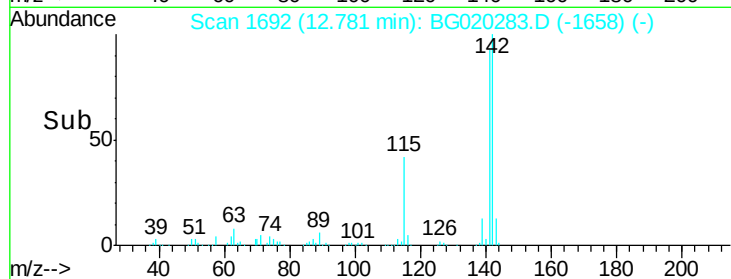
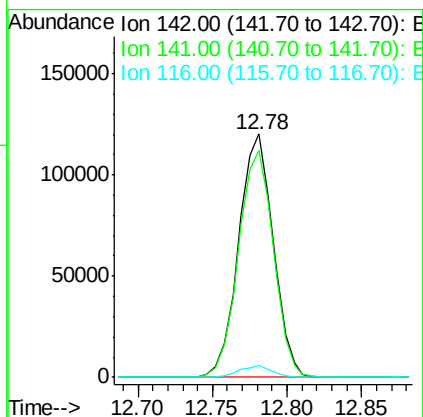
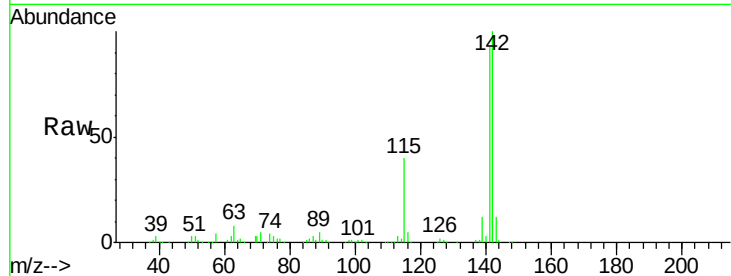




#35
 1-Methylnaphthalene
 Concen: 67.54 ng/ul
 RT: 12.78 min Scan# 1692
 Delta R.T. 0.00 min
 Lab File: BG020283.D
 Acq: 18 Dec 2015 20:13

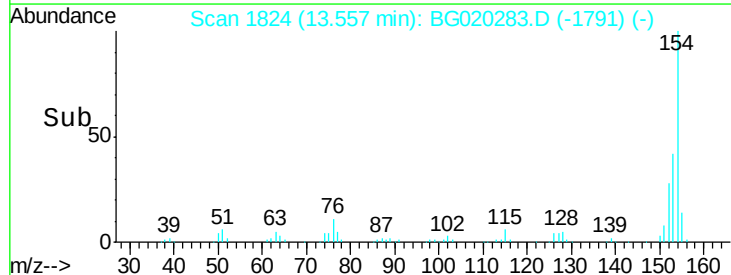
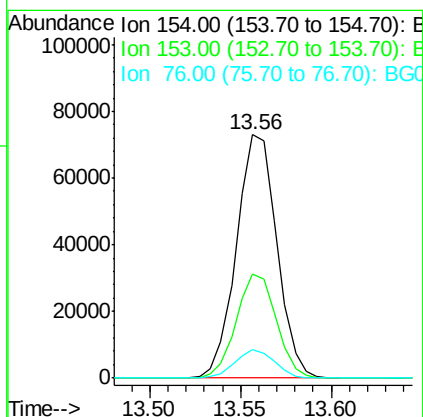
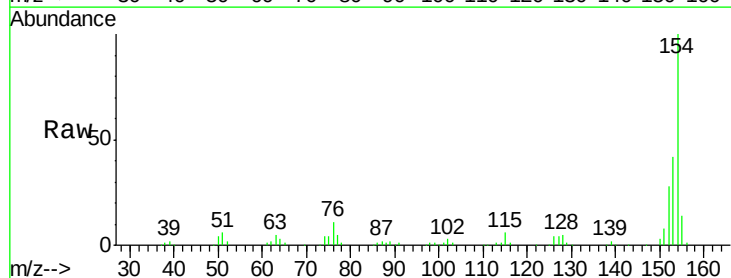
Instrument :
 BNA_G
 ClientSampleId :
 D9N28

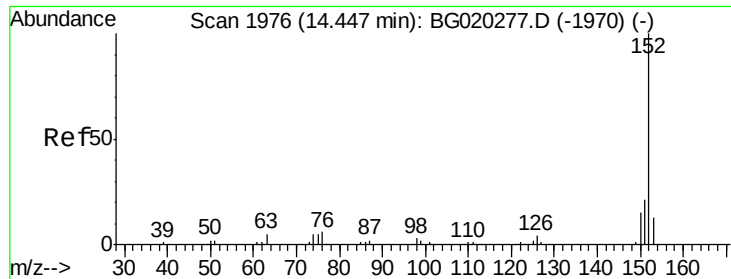
Tgt Ion:142 Resp: 193228
 Ion Ratio Lower Upper
 142 100
 141 93.5 73.0 109.6
 116 4.7 3.0 4.6#



#41
 1,1'-Biphenyl
 Concen: 27.69 ng/ul
 RT: 13.56 min Scan# 1824
 Delta R.T. -0.00 min
 Lab File: BG020283.D
 Acq: 18 Dec 2015 20:13

Tgt Ion:154 Resp: 113138
 Ion Ratio Lower Upper
 154 100
 153 42.5 35.5 53.3
 76 11.5 10.4 15.6





#48

Acenaphthylene

Concen: 9.76 ng/ul

RT: 14.45 min Scan# 1976

Delta R.T. 0.00 min

Lab File: BG020283.D

Acq: 18 Dec 2015 20:13

Instrument :

BNA_G

ClientSampleId :

D9N28

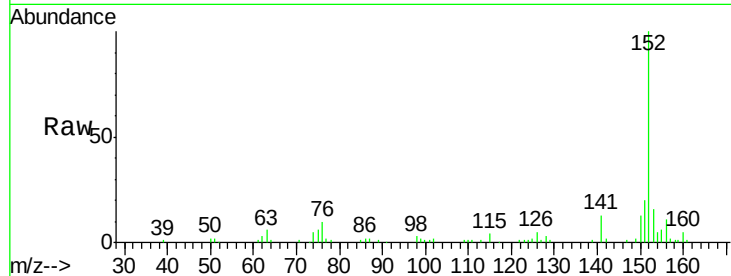
Tgt Ion:152 Resp: 52828

Ion Ratio Lower Upper

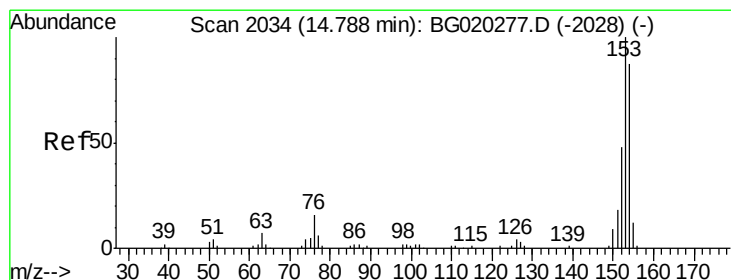
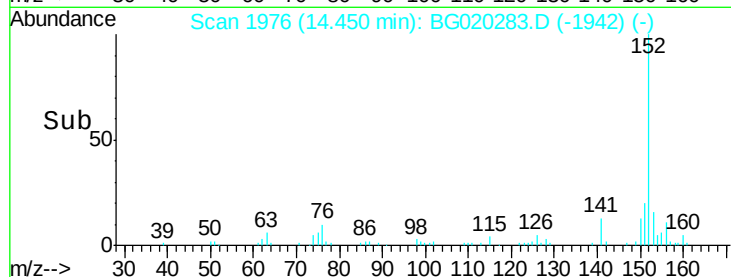
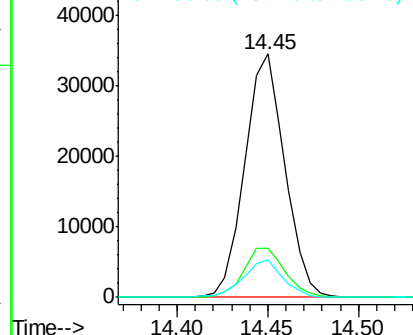
152 100

151 20.2 16.4 24.6

153 15.5 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: 161.08 ng/ul

RT: 14.80 min Scan# 2035

Delta R.T. 0.01 min

Lab File: BG020283.D

Acq: 18 Dec 2015 20:13

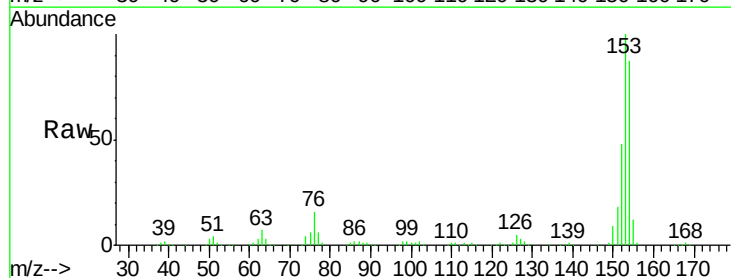
Tgt Ion:153 Resp: 586822

Ion Ratio Lower Upper

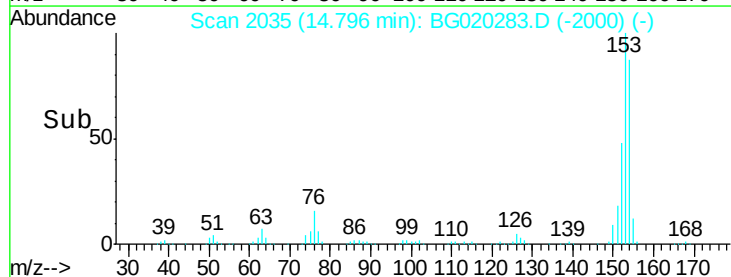
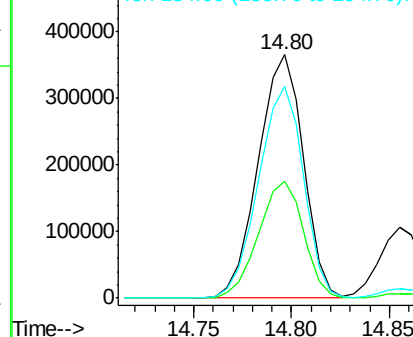
153 100

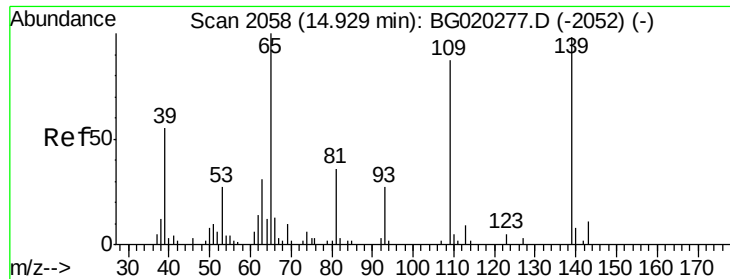
152 47.9 37.6 56.4

154 87.1 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





#53

4-Nitrophenol

Concen: 1.54 ng/ul

RT: 14.79 min Scan# 2034

Delta R.T. -0.14 min

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Acq: 18 Dec 2015 20:13

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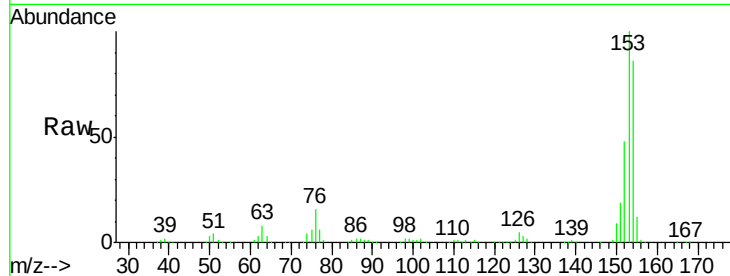
Tgt Ion:109 Resp: 1162

Ion Ratio Lower Upper

109 100

139 329.1 80.5 120.7#

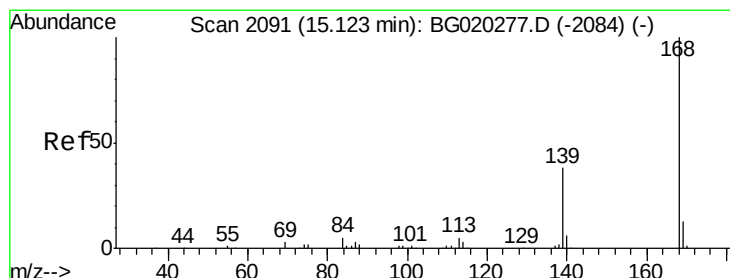
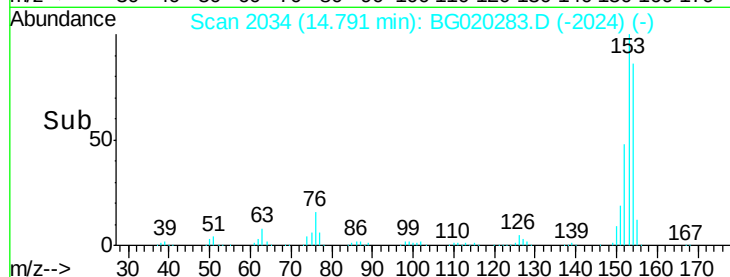
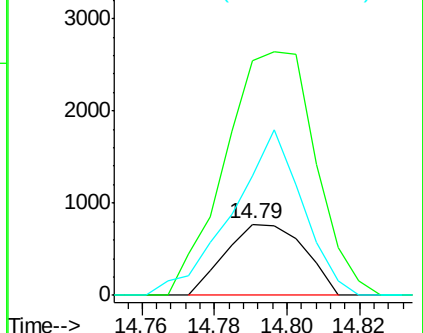
65 167.3 93.4 140.2#



Abundance Ion 109.00 (108.70 to 109.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 65.00 (64.70 to 65.70): BGC



#54

Dibenzofuran

Concen: 71.69 ng/ul

RT: 15.13 min Scan# 2091

Delta R.T. 0.00 min

Lab File: BG020283.D

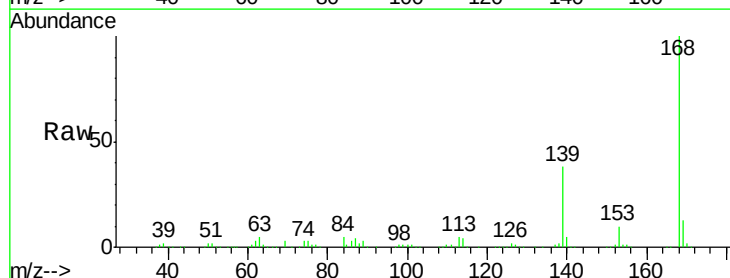
Acq: 18 Dec 2015 20:13

Tgt Ion:168 Resp: 388526

Ion Ratio Lower Upper

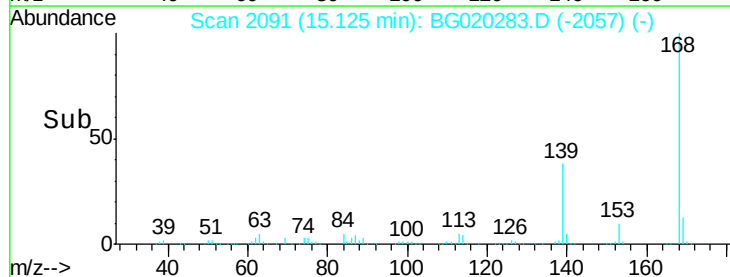
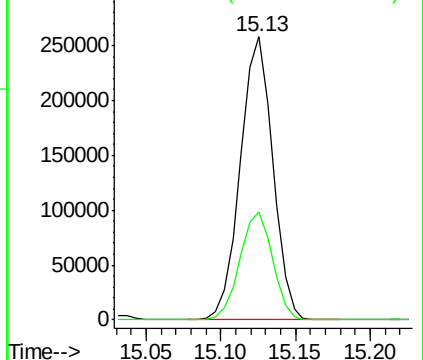
168 100

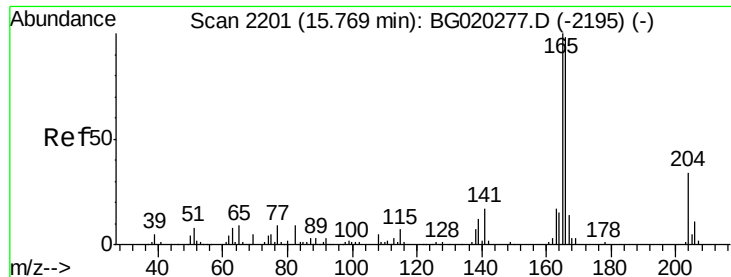
139 38.2 30.5 45.7



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#59

Fluorene

Concen: 81.71 ng/ul

RT: 15.77 min Scan# 2201

Delta R.T. 0.00 min

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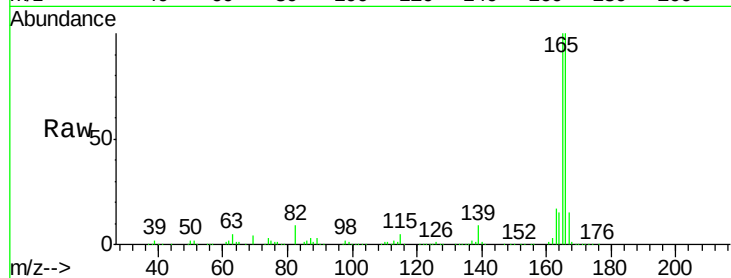
Tgt Ion:166 Resp: 355589

Ion Ratio Lower Upper

166 100

165 100.0 81.4 122.0

167 14.7 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

300000

250000

200000

150000

100000

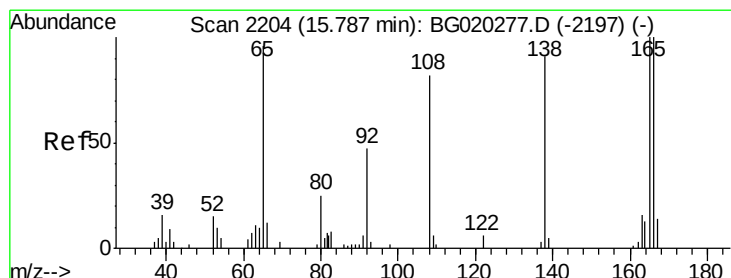
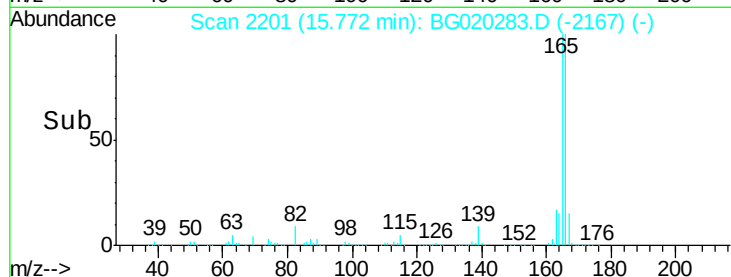
50000

0

15.77

15.70 15.75 15.80

Time-->



#61

4-Nitroaniline

Concen: 4.64 ng/ul

RT: 15.77 min Scan# 2201

Delta R.T. -0.02 min

Lab File: BG020283.D

Acq: 18 Dec 2015 20:13

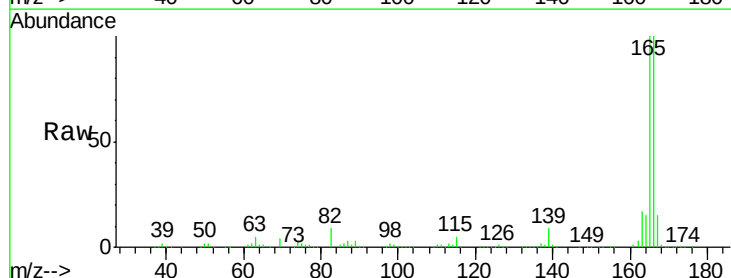
Tgt Ion:138 Resp: 4505

Ion Ratio Lower Upper

138 100

92 0.0 45.2 67.8#

108 0.0 75.4 113.0#



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

4000

3000

2000

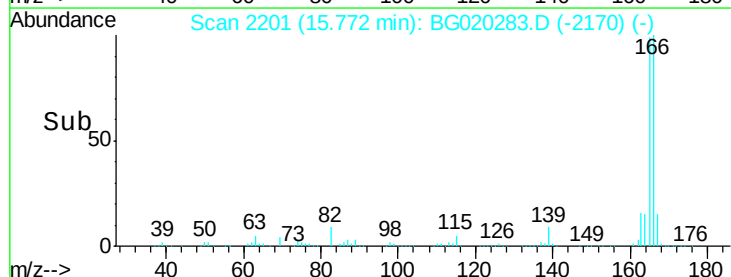
1000

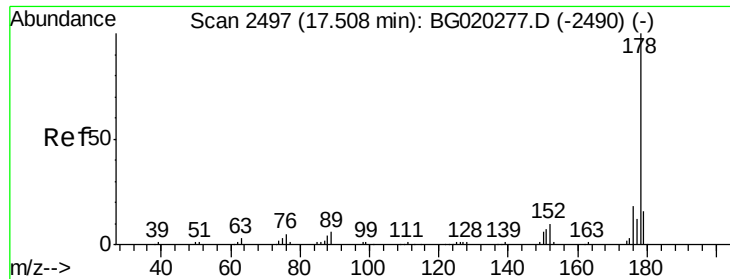
0

15.77

15.75 15.80

Time-->





#70

Phenanthrene

Concen: 116.12 ng/ul

RT: 17.52 min Scan# 2498

Delta R.T. 0.01 min

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D9N28

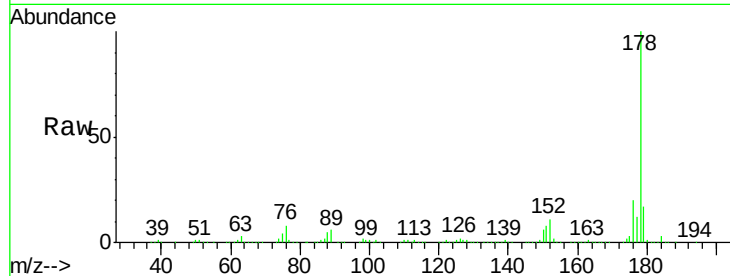
Tgt Ion:178 Resp: 865902

Ion Ratio Lower Upper

178 100

179 17.2 12.9 19.3

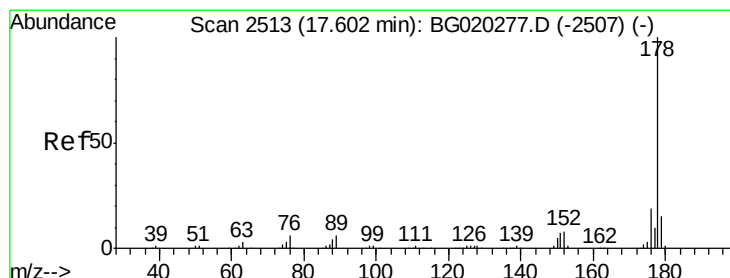
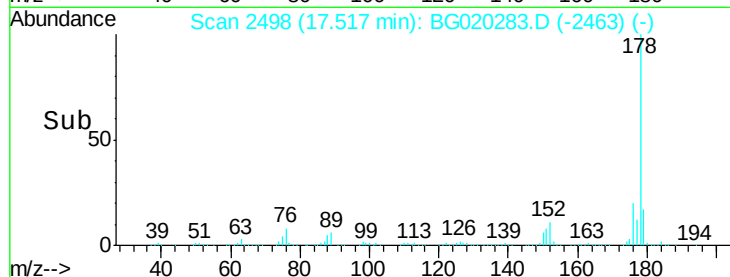
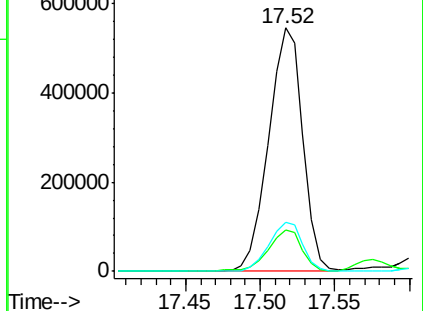
176 20.4 15.3 22.9



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: 8.25 ng/ul

RT: 17.60 min Scan# 2513

Delta R.T. 0.00 min

Lab File: BG020283.D

Acq: 18 Dec 2015 20:13

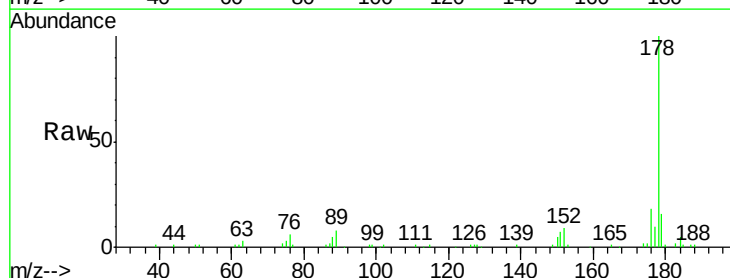
Tgt Ion:178 Resp: 62382

Ion Ratio Lower Upper

178 100

179 16.1 12.3 18.5

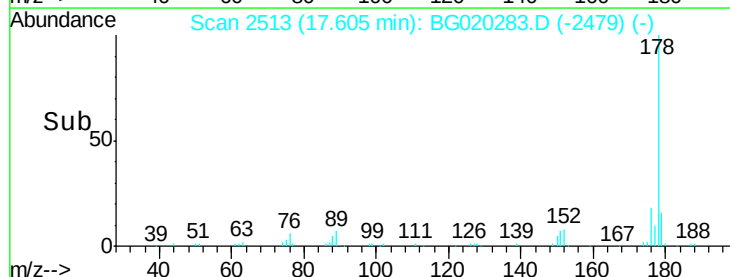
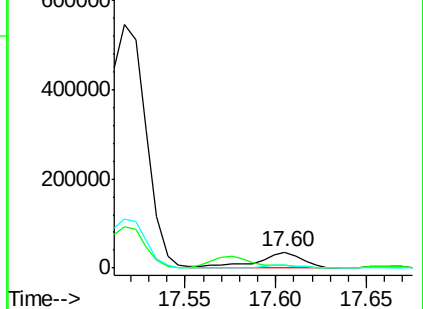
176 17.8 14.3 21.5

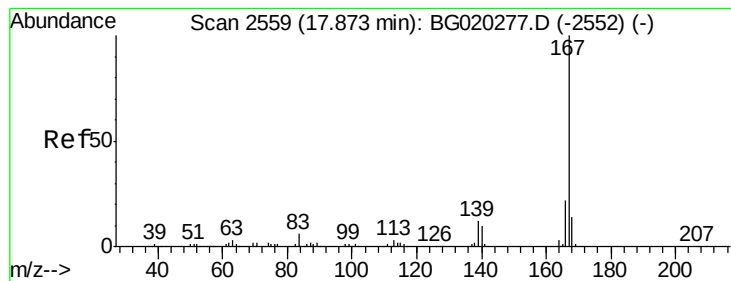


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#75

Carbazole

Concen: 82.50 ng/ul

RT: 17.88 min Scan# 2559

Delta R.T. 0.00 min

Lab File: BG020283.D

Acq: 18 Dec 2015 20:13

Instrument :

BNA_G

ClientSampleId :

D9N28

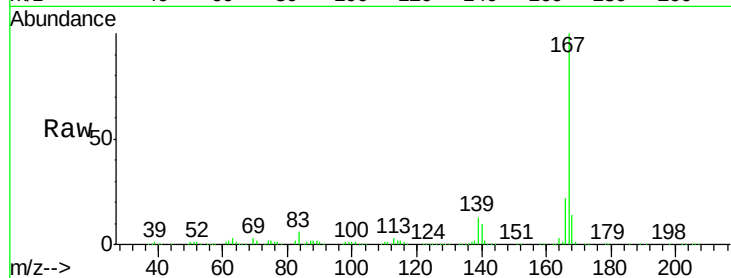
Tgt Ion:167 Resp: 524255

Ion Ratio Lower Upper

167 100

166 21.7 17.0 25.6

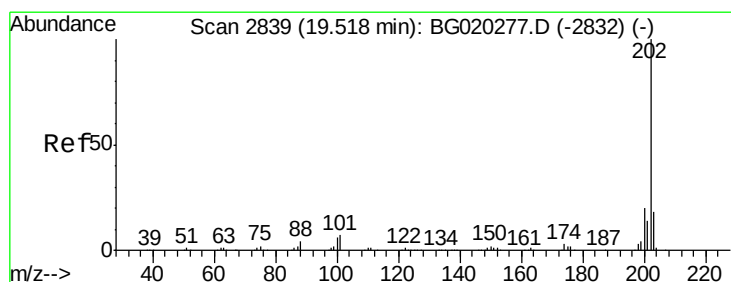
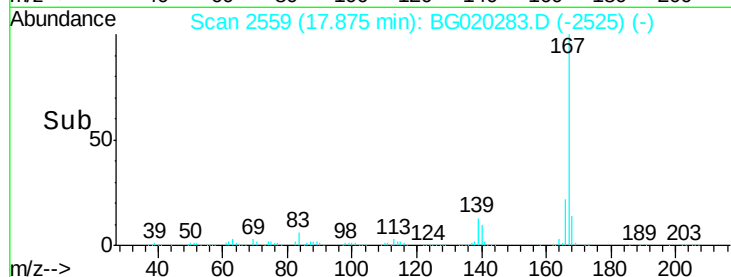
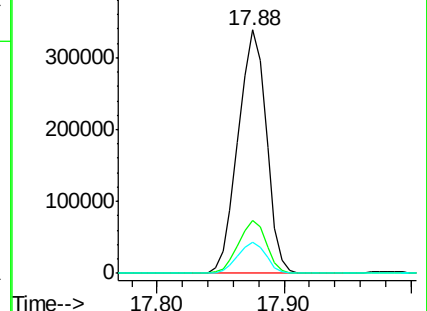
139 12.8 10.1 15.1



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: 22.81 ng/ul

RT: 19.52 min Scan# 2839

Delta R.T. 0.00 min

Lab File: BG020283.D

Acq: 18 Dec 2015 20:13

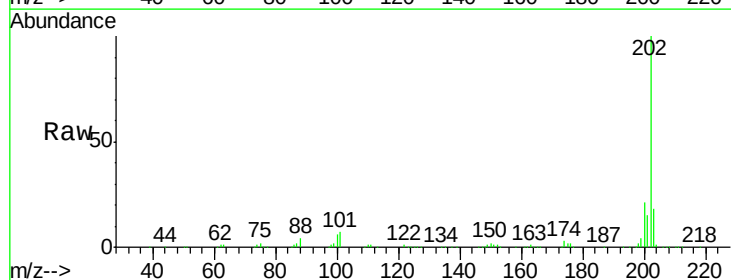
Tgt Ion:202 Resp: 198739

Ion Ratio Lower Upper

202 100

101 6.6 6.2 9.4

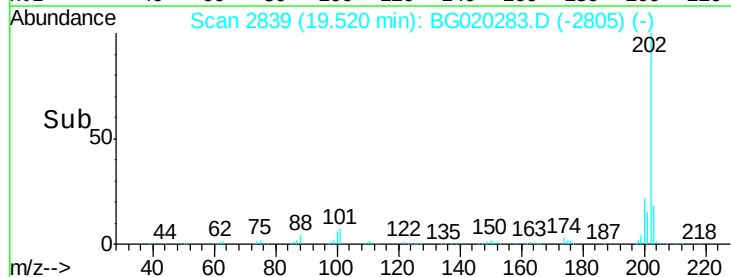
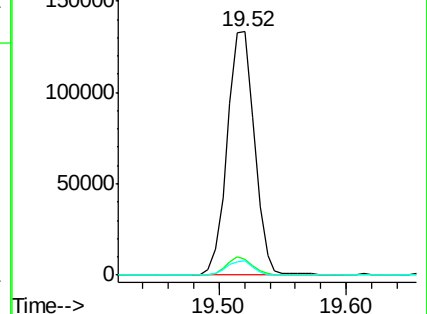
100 5.9 5.1 7.7

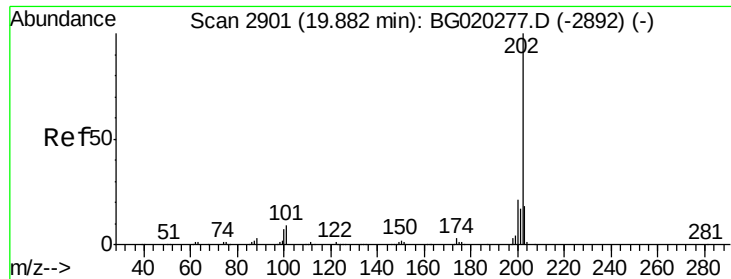


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

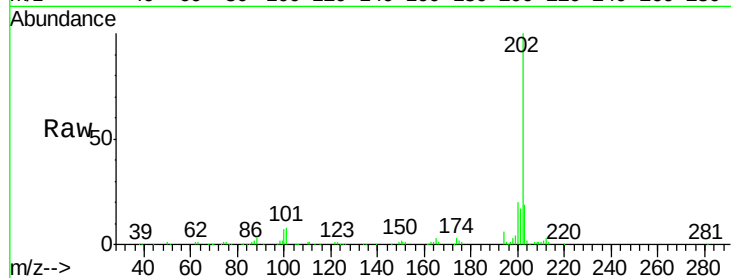




#80
 Pyrene
 Concen: 11.25 ng/ul
 RT: 19.88 min Scan# 2900
 Delta R.T. -0.00 min
 Lab File: BG020283.D
 Acq: 18 Dec 2015 20:13

Instrument :
 BNA_G
 ClientSampleId :
 D9N28

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.4	7.0	10.4
100	7.0	6.4	9.6



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

