

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121915\
 Data File : BG020295.D
 Acq On : 19 Dec 2015 4:12
 Operator : UM/SJ
 Sample : G4768-15
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N39

Quant Time: Dec 19 04:56:15 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Dec 19 04:52:13 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.09	152	18276	20.00	ng/ul	0.00
18) Naphthalene-d8	10.92	136	78391	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.72	164	56447	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.47	188	139409	20.00	ng/ul	0.00
78) Chrysene-d12	21.74	240	186163	20.00	ng/ul	0.00
86) Perylene-d12	25.02	264	169939	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.47	96	413	1.25	ng/uL	0.00
5) Phenol-d5	7.24	99	12348	7.66	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.41	67	27153	28.24	ng/ul	0.00
9) 2-Chlorophenol-d4	7.62	132	29235	24.94	ng/ul	0.00
13) 4-Methylphenol-d8	8.79	113	22101	16.04	ng/ul	0.00
19) Nitrobenzene-d5	9.26	128	18570	30.39	ng/ul	0.00
22) 2-Nitrophenol-d4	9.98	143	22640	33.29	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.52	165	38941	28.27	ng/ul	0.00
29) 4-Chloroaniline-d4	11.02	131	1751	1.13	ng/ul	-0.02
44) Dimethylphthalate-d6	14.12	166	150515	32.97	ng/ul	0.00
47) Acenaphthylene-d8	14.42	160	165827	31.22	ng/ul	0.00
52) 4-Nitrophenol-d4	14.91	143	6359	7.77	ng/ul	0.00
58) Fluorene-d10	15.71	176	133728	32.29	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.83	200	24515	29.66	ng/ul	0.00
71) Anthracene-d10	17.57	188	220260	34.29	ng/ul	0.00
79) Pyrene-d10	19.85	212	272409	31.40	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.79	264	280471	33.09	ng/ul	0.00

Target Compounds

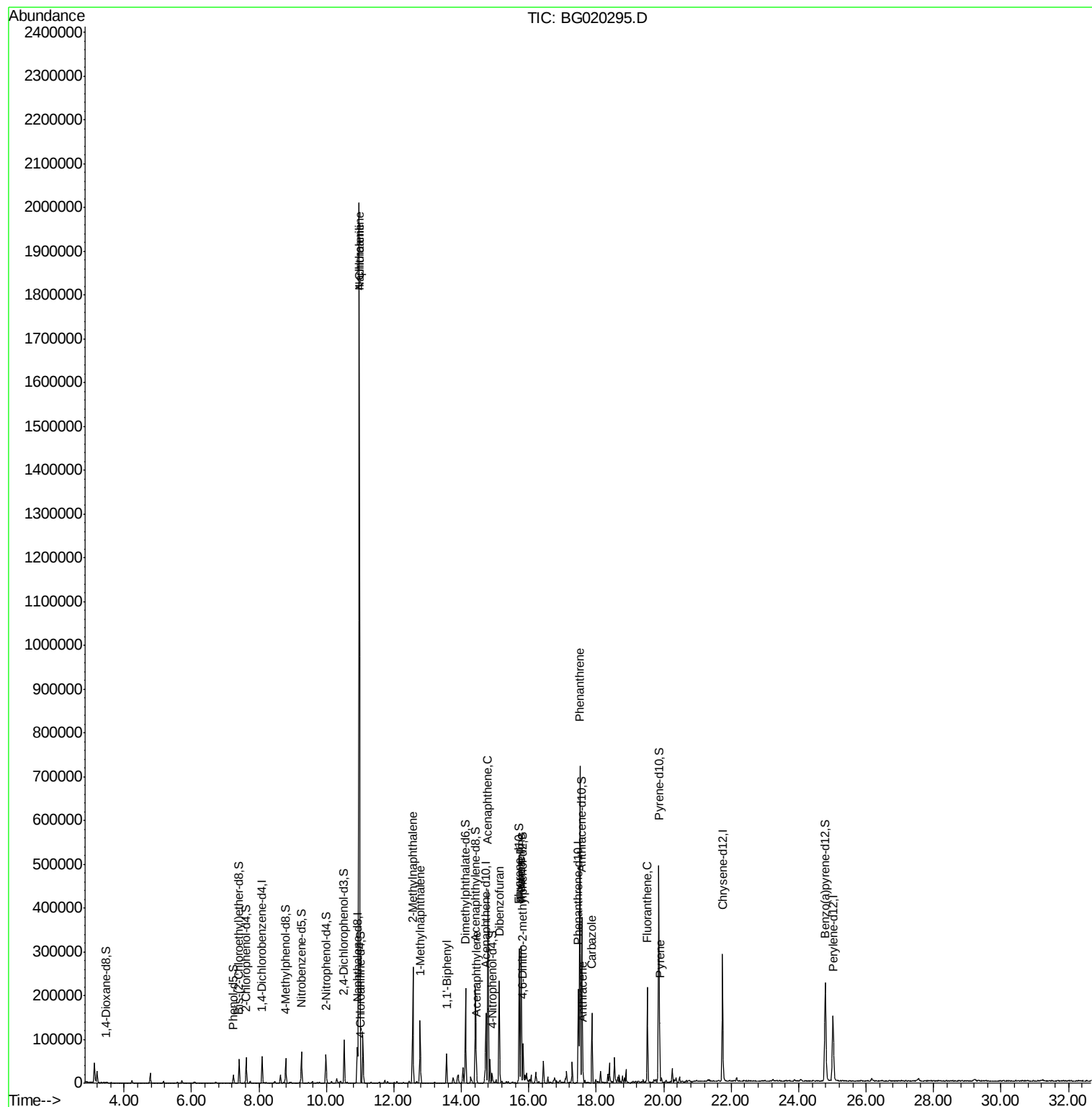
						Qvalue
28) Naphthalene	10.97	128	1702190	415.81	ng/ul#	92
30) 4-Chloroaniline	10.97	127	257683	163.16	ng/ul#	10
34) 2-Methylnaphthalene	12.56	142	128922	41.23	ng/ul	97
35) 1-Methylnaphthalene	12.78	142	67833	22.56	ng/ul	92
41) 1,1'-Biphenyl	13.56	154	36480	8.57	ng/ul#	96
48) Acenaphthylene	14.45	152	20049	3.55	ng/ul	97
50) Acenaphthene	14.79	153	184554	48.60	ng/ul	99
54) Dibenzofuran	15.12	168	148070	26.21	ng/ul	99
59) Fluorene	15.77	166	146059	32.20	ng/ul	99
61) 4-Nitroaniline	15.77	138	1704	1.68	ng/ul#	10
70) Phenanthrene	17.51	178	468116	61.39	ng/ul	99
72) Anthracene	17.60	178	24613	3.18	ng/ul	98
75) Carbazole	17.87	167	108982	16.77	ng/ul	98
77) Fluoranthene	19.51	202	146613	16.45	ng/ul	98
80) Pyrene	19.88	202	85515	7.59	ng/ul	98

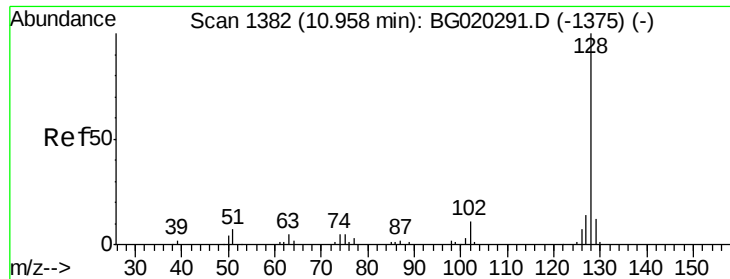
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#28

Naphthalene

Concen: 415.81 ng/ul

RT: 10.97 min Scan# 1385

Delta R.T. 0.02 min

Lab File: BG020295.D

Acq: 19 Dec 2015 4:12

Instrument :

BNA_G

ClientSampleId :

D9N39

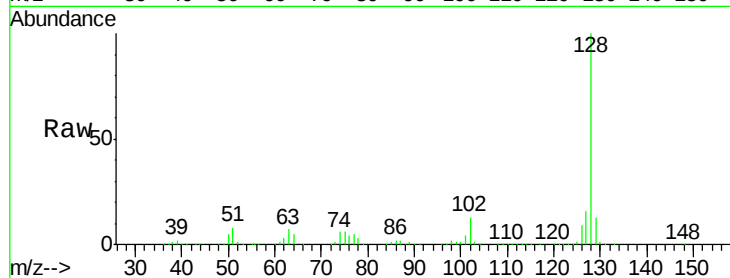
Tgt Ion:128 Resp: 1702190

Ion Ratio Lower Upper

128 100

129 13.2 8.6 12.8#

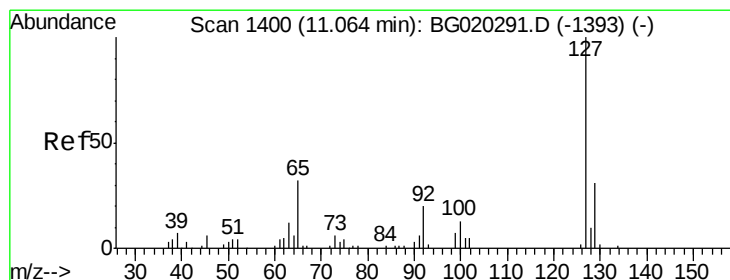
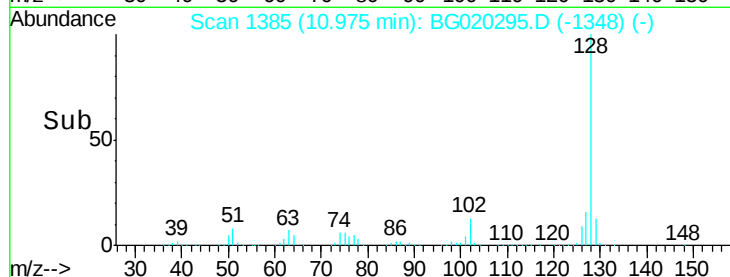
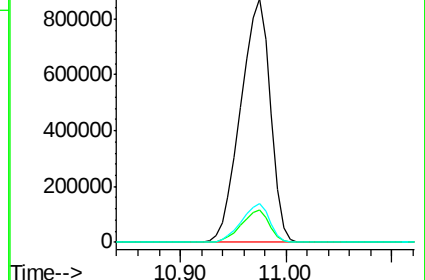
127 16.1 10.1 15.1#



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: 163.16 ng/ul

RT: 10.97 min Scan# 1385

Delta R.T. -0.09 min

Lab File: BG020295.D

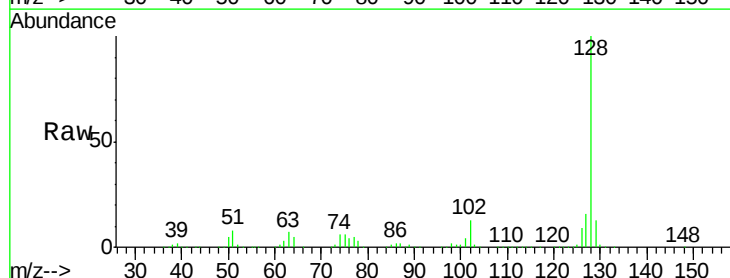
Acq: 19 Dec 2015 4:12

Tgt Ion:127 Resp: 257683

Ion Ratio Lower Upper

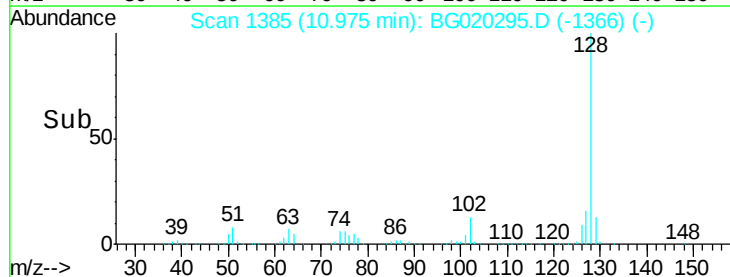
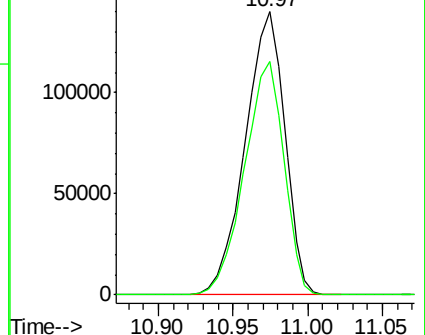
127 100

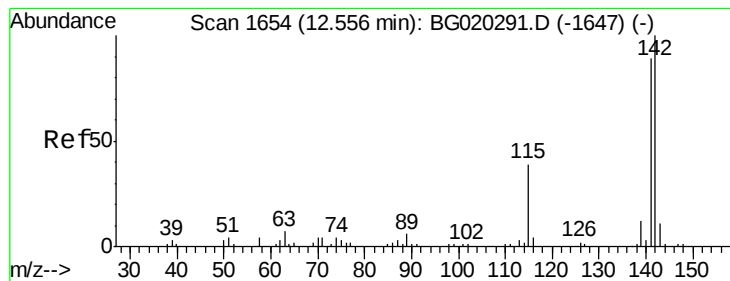
129 82.3 25.7 38.5#



Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E





#34

2-Methylnaphthalene

Concen: 41.23 ng/ul

RT: 12.56 min Scan# 1655

Delta R.T. 0.00 min

Lab File: BG020295.D

Acq: 19 Dec 2015 4:12

Instrument :

BNA_G

ClientSampleId :

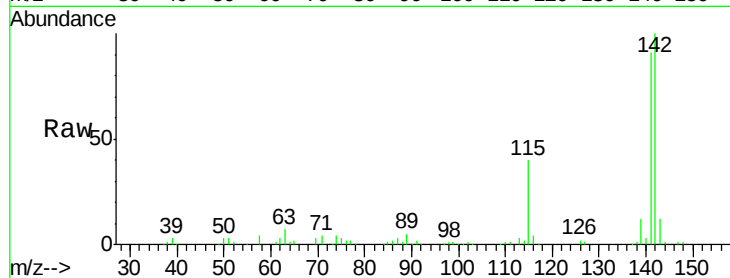
D9N39

Tgt Ion:142 Resp: 128922

Ion Ratio Lower Upper

142 100

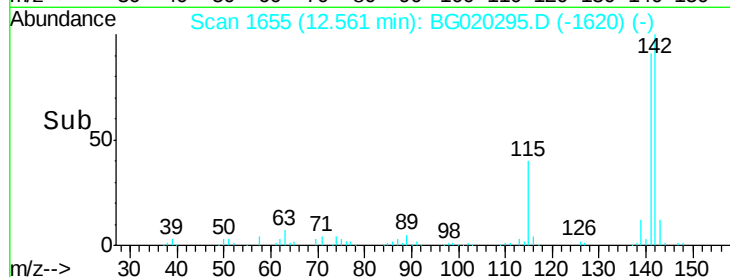
141 90.8 74.9 112.3



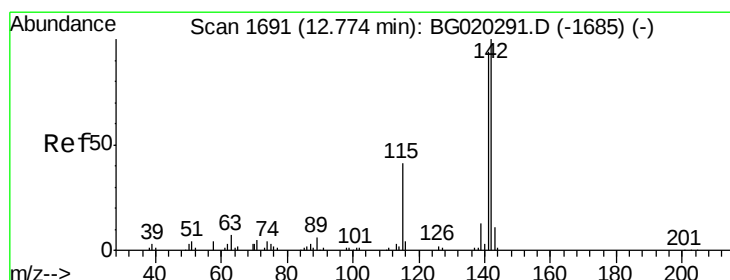
Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.56



Time-->



#35

1-Methylnaphthalene

Concen: 22.56 ng/ul

RT: 12.78 min Scan# 1692

Delta R.T. 0.00 min

Lab File: BG020295.D

Acq: 19 Dec 2015 4:12

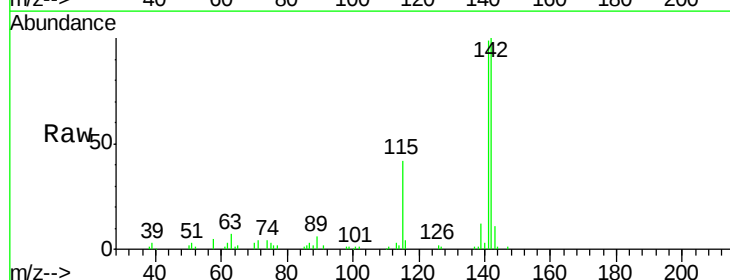
Tgt Ion:142 Resp: 67833

Ion Ratio Lower Upper

142 100

141 98.8 73.0 109.6

116 4.1 3.0 4.6

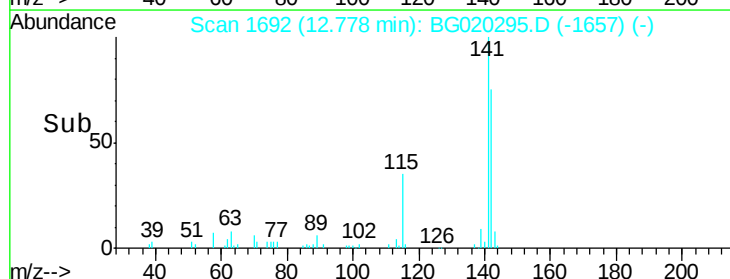


Abundance Ion 142.00 (141.70 to 142.70): E

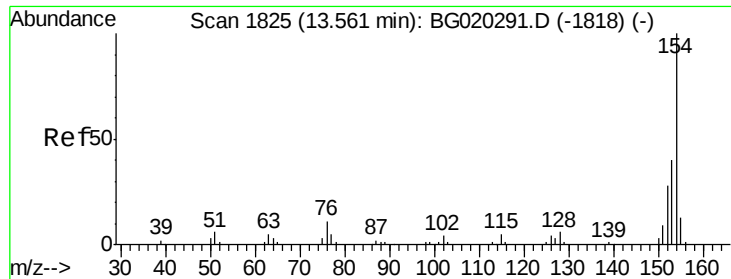
Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E

12.78



Time-->



#41

1,1'-Biphenyl

Concen: 8.57 ng/ul

RT: 13.56 min Scan# 1825

Delta R.T. -0.00 min

Lab File: BG020295.D

Acq: 19 Dec 2015 4:12

Instrument :

BNA_G

ClientSampleId :

D9N39

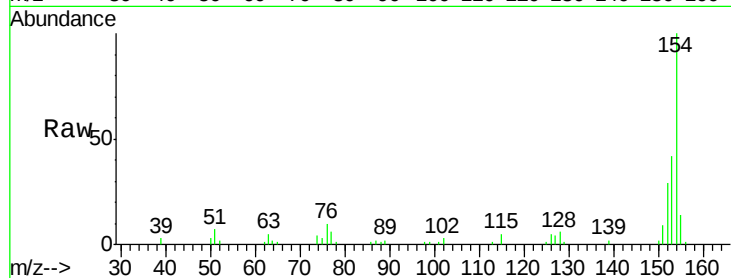
Tgt Ion:154 Resp: 36480

Ion Ratio Lower Upper

154 100

153 42.2 35.5 53.3

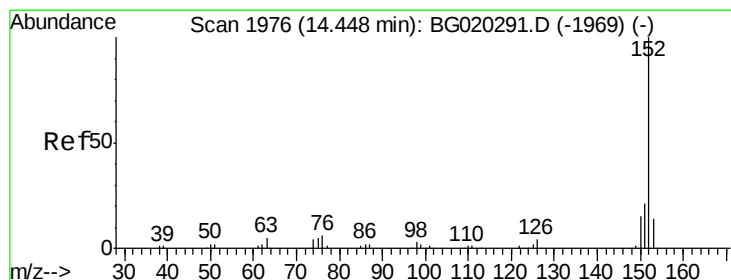
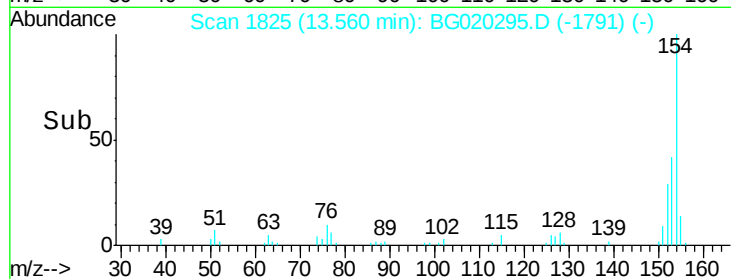
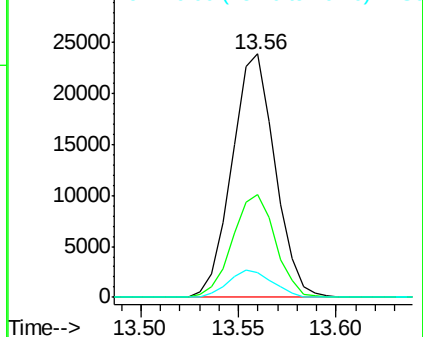
76 10.3 10.4 15.6#



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): B



#48

Acenaphthylene

Concen: 3.55 ng/ul

RT: 14.45 min Scan# 1976

Delta R.T. -0.00 min

Lab File: BG020295.D

Acq: 19 Dec 2015 4:12

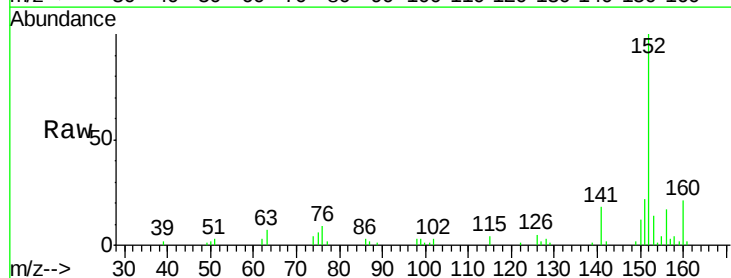
Tgt Ion:152 Resp: 20049

Ion Ratio Lower Upper

152 100

151 21.7 16.4 24.6

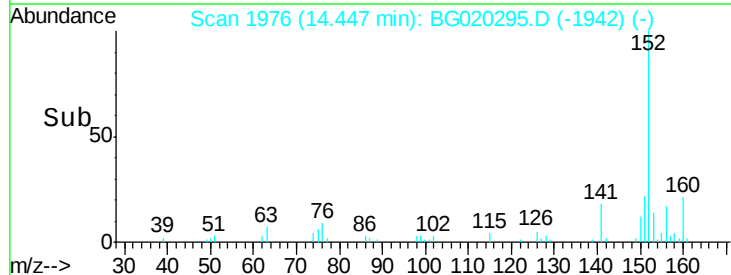
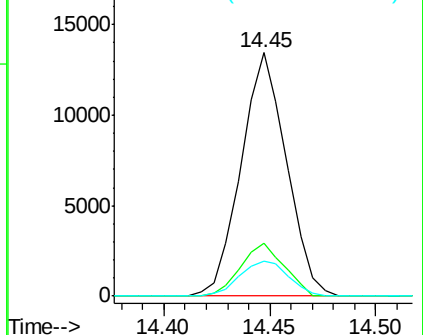
153 14.2 10.4 15.6

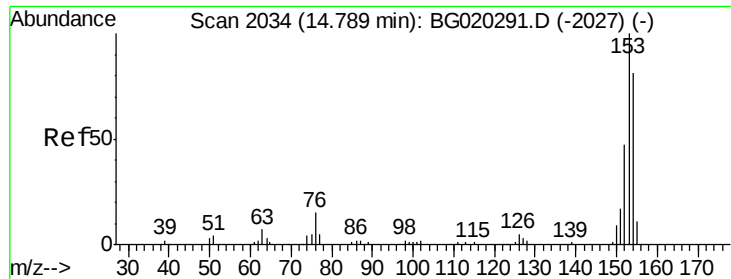


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#50

Acenaphthene

Concen: 48.60 ng/ul

RT: 14.79 min Scan# 2034

Delta R.T. -0.00 min

Lab File: BG020295.D

Acq: 19 Dec 2015 4:12

Instrument :

BNA_G

ClientSampleId :

D9N39

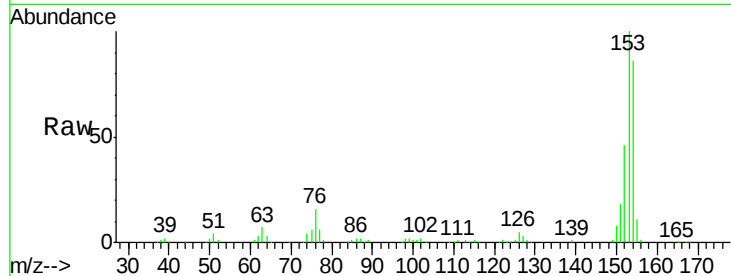
Tgt Ion:153 Resp: 184554

Ion Ratio Lower Upper

153 100

152 46.0 37.6 56.4

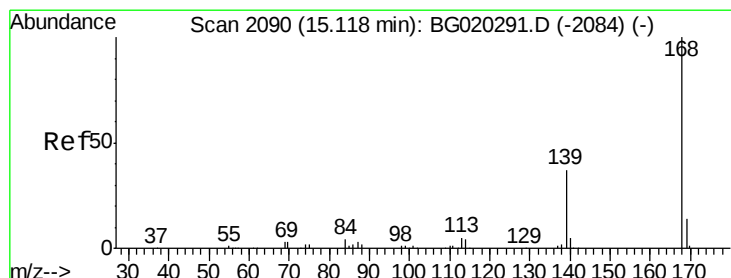
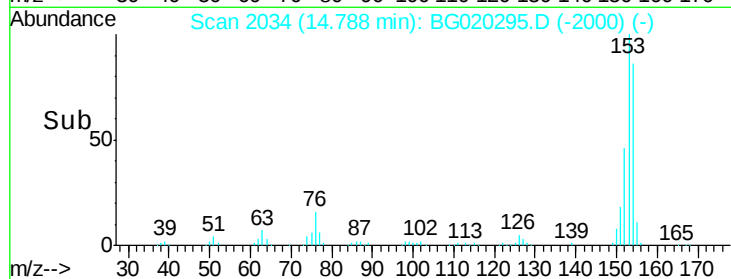
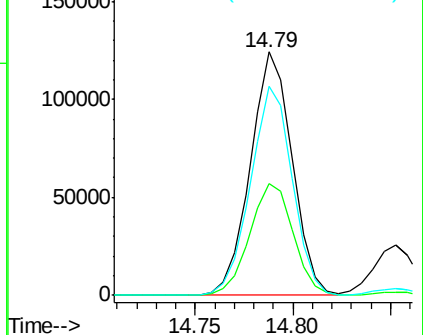
154 85.7 67.9 101.9



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

Dibenzofuran

Concen: 26.21 ng/ul

RT: 15.12 min Scan# 2091

Delta R.T. 0.00 min

Lab File: BG020295.D

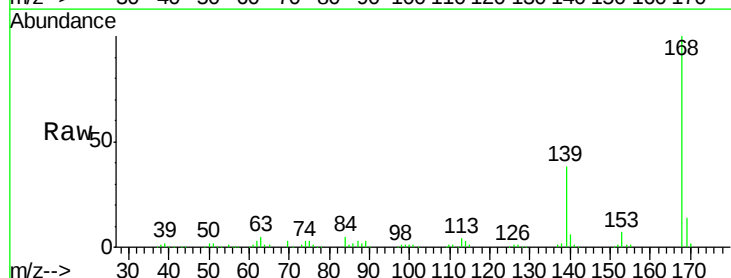
Acq: 19 Dec 2015 4:12

Tgt Ion:168 Resp: 148070

Ion Ratio Lower Upper

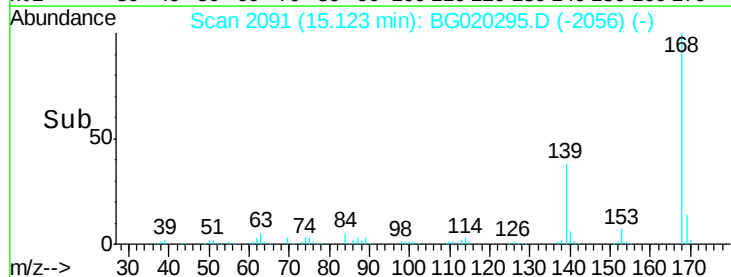
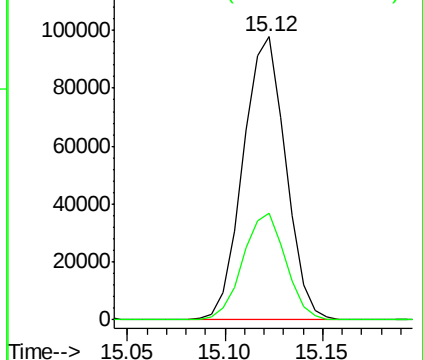
168 100

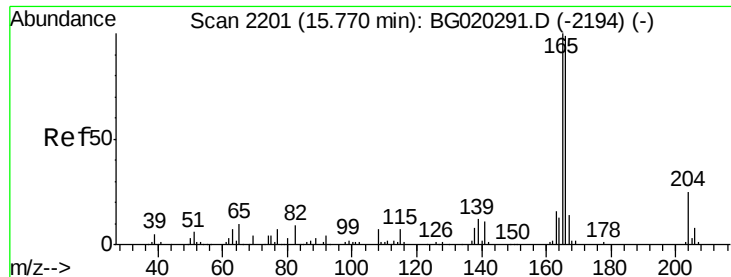
139 37.6 30.5 45.7



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#59

Fluorene

Concen: 32.20 ng/ul

RT: 15.77 min Scan# 2201

Delta R.T. -0.00 min

Lab File: BG020295.D

Acq: 19 Dec 2015 4:12

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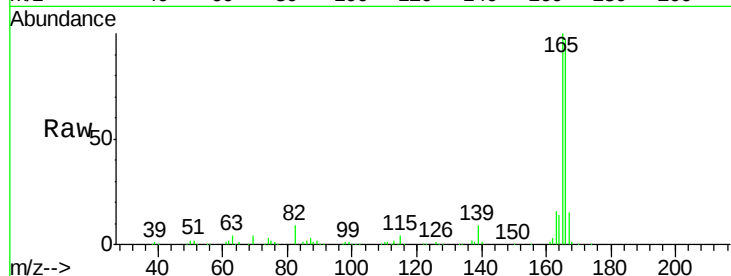
Tgt Ion:166 Resp: 146059

Ion Ratio Lower Upper

166 100

165 103.1 81.4 122.0

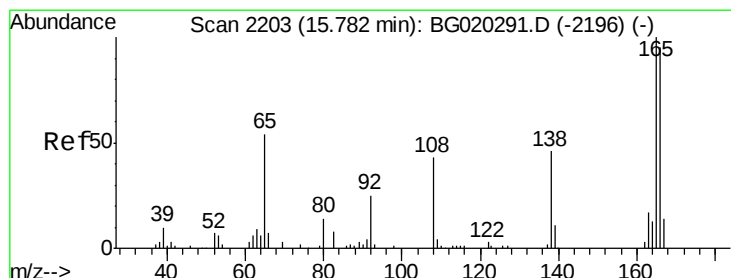
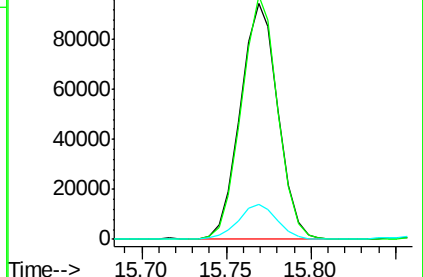
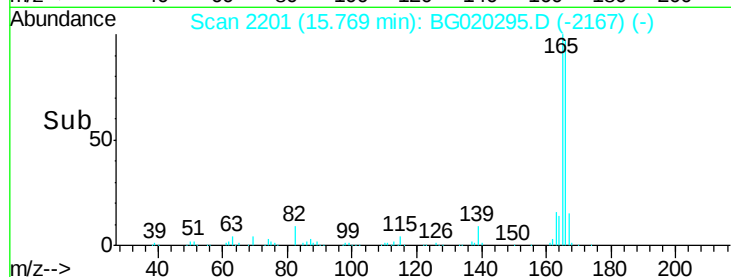
167 15.0 11.2 16.8



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



#61

4-Nitroaniline

Concen: 1.68 ng/ul

RT: 15.77 min Scan# 2202

Delta R.T. -0.01 min

Lab File: BG020295.D

Acq: 19 Dec 2015 4:12

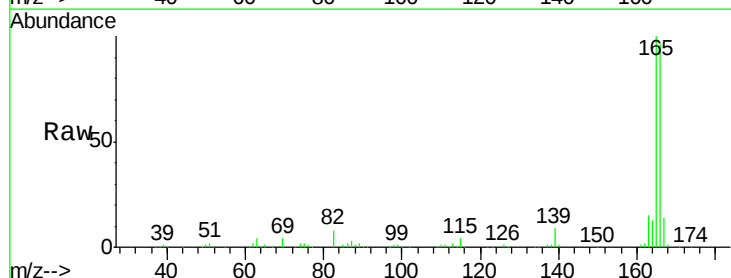
Tgt Ion:138 Resp: 1704

Ion Ratio Lower Upper

138 100

92 0.0 45.2 67.8#

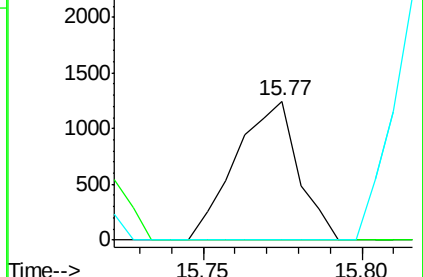
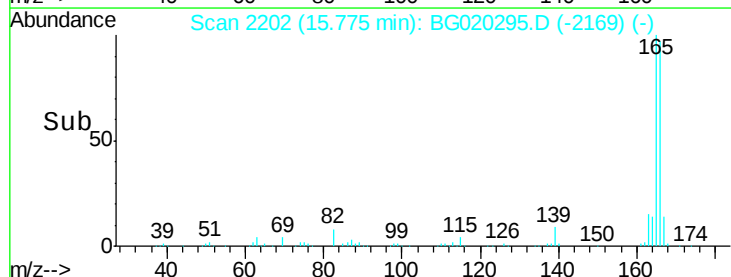
108 0.0 75.4 113.0#

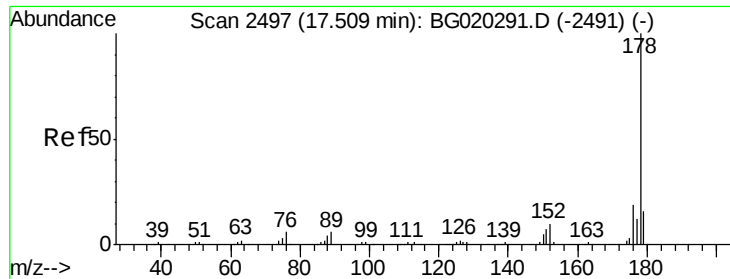


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BG

Ion 108.00 (107.70 to 108.70): E





#70

Phenanthrene

Concen: 61.39 ng/ul

RT: 17.51 min Scan# 2498

Delta R.T. 0.00 min

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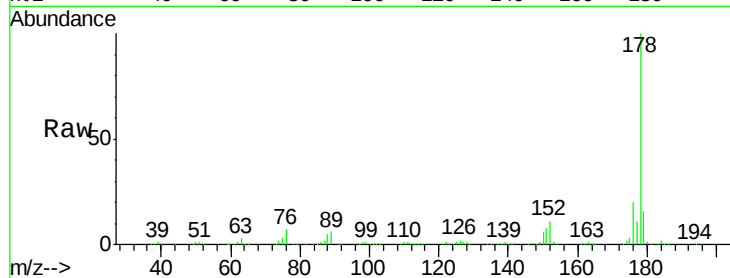
Tgt Ion:178 Resp: 468116

Ion Ratio Lower Upper

178 100

179 16.2 12.9 19.3

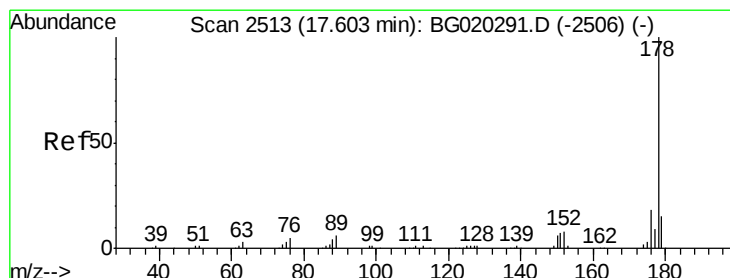
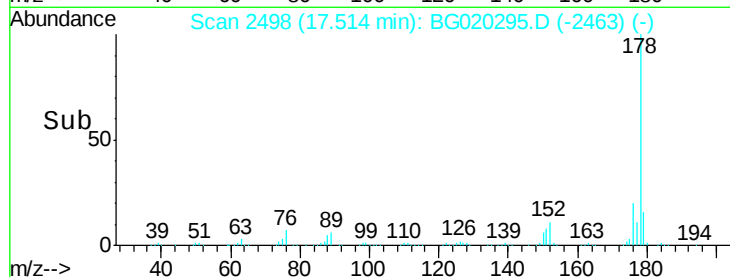
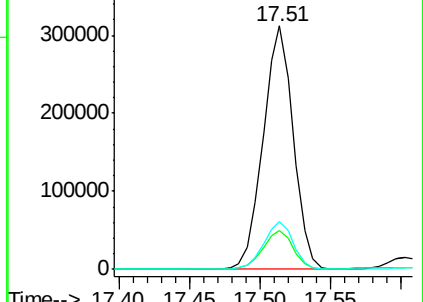
176 19.6 15.3 22.9



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: 3.18 ng/ul

RT: 17.60 min Scan# 2513

Delta R.T. -0.00 min

Lab File: BG020295.D

Acq: 19 Dec 2015 4:12

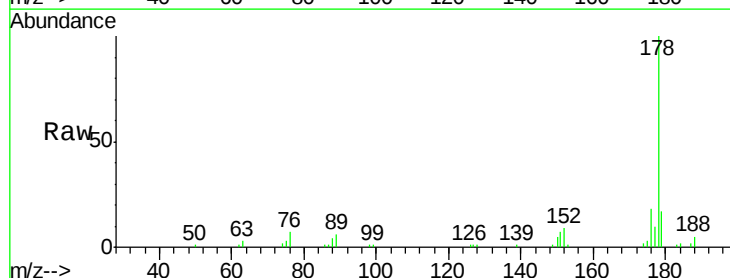
Tgt Ion:178 Resp: 24613

Ion Ratio Lower Upper

178 100

179 17.2 12.3 18.5

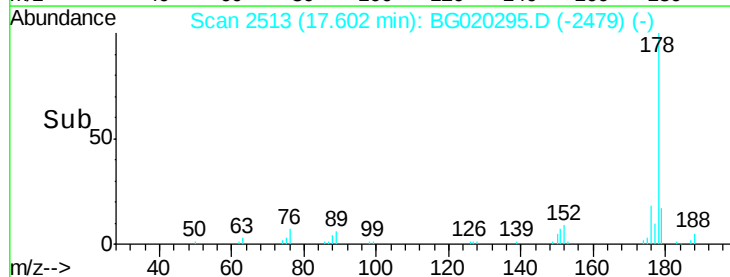
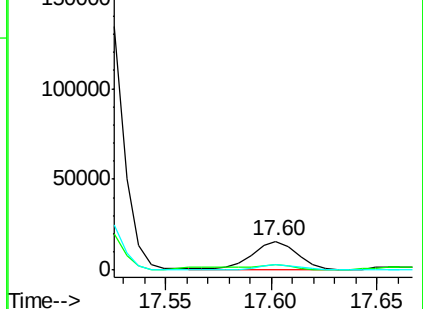
176 18.0 14.3 21.5

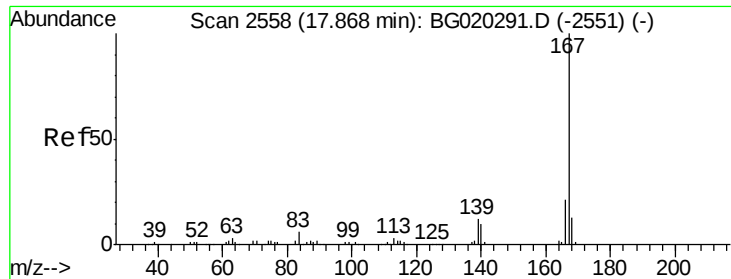


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#75

Carbazole

Concen: 16.77 ng/ul

RT: 17.87 min Scan# 2558

Delta R.T. -0.00 min

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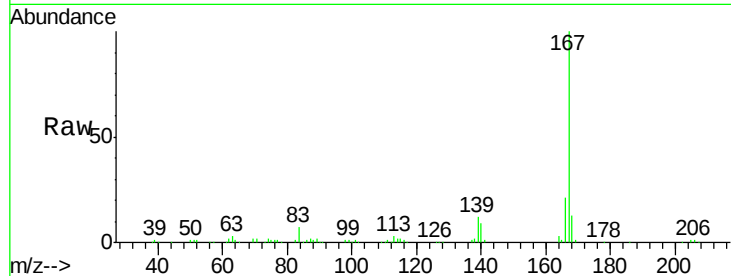
Tgt Ion:167 Resp: 108982

Ion Ratio Lower Upper

167 100

166 20.7 17.0 25.6

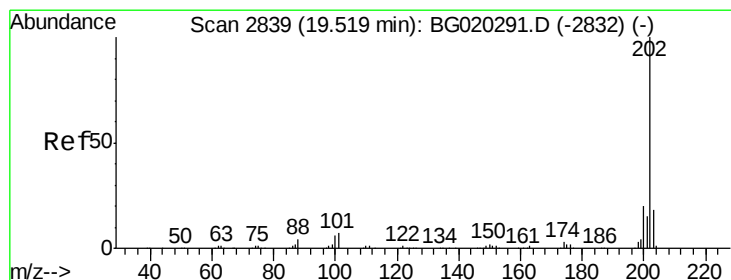
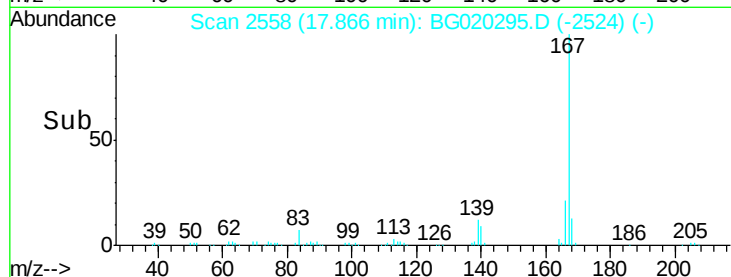
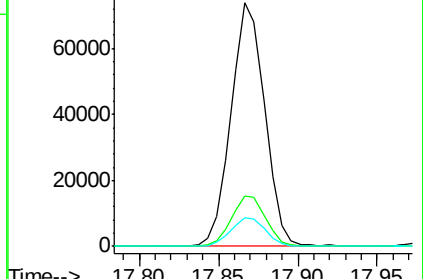
139 11.6 10.1 15.1



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: 16.45 ng/ul

RT: 19.51 min Scan# 2838

Delta R.T. -0.01 min

Lab File: BG020295.D

Acq: 19 Dec 2015 4:12

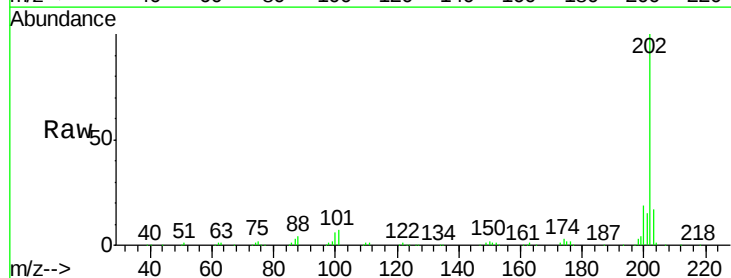
Tgt Ion:202 Resp: 146613

Ion Ratio Lower Upper

202 100

101 7.0 6.2 9.4

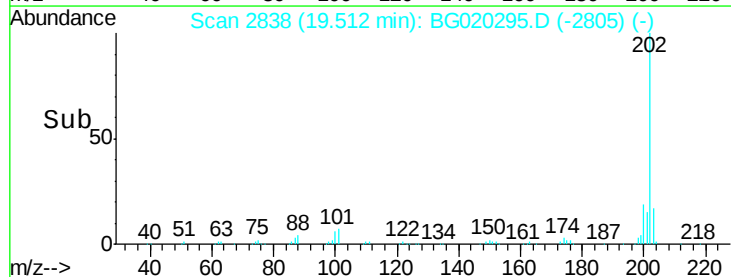
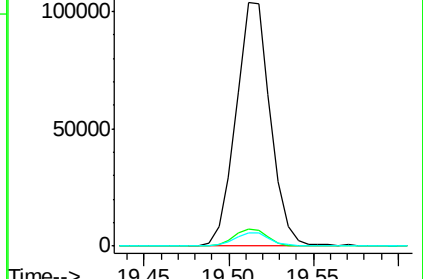
100 5.7 5.1 7.7

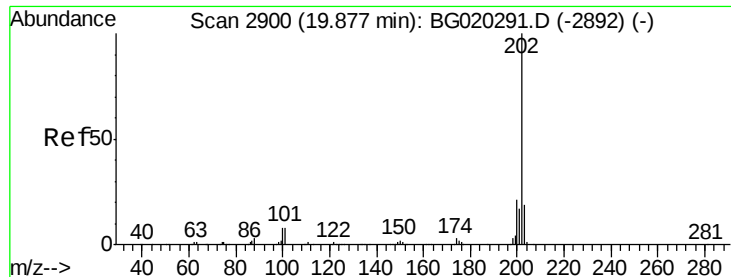


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

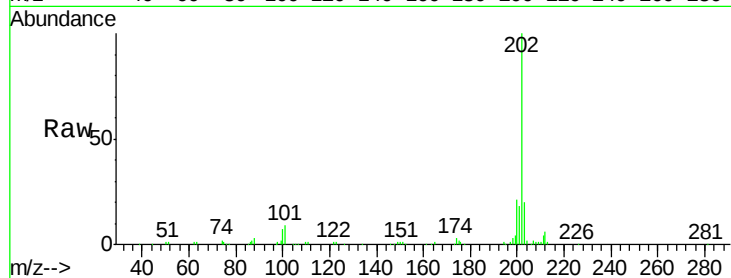




#80
 Pyrene
 Concen: 7.59 ng/ul
 RT: 19.88 min Scan# 2900
 Delta R.T. -0.00 min
 Lab File: BG020295.D
 Acq: 19 Dec 2015 4:12

Instrument :
 BNA_G
 ClientSampleId :
 D9N39

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.7	7.0	10.4
100	6.9	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

