

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122415\
 Data File : BG020495.D
 Acq On : 25 Dec 2015 5:43
 Operator : UM/SJ
 Sample : G4846-03
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N49

Quant Time: Dec 25 23:04:18 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Dec 25 03:27:34 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.08	152	46497	20.00	ng/ul	0.00
18) Naphthalene-d8	10.92	136	212443	20.00	ng/ul	0.02
36) Acenaphthene-d10	14.71	164	150133	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.46	188	372355	20.00	ng/ul	0.00
78) Chrysene-d12	21.74	240	458564	20.00	ng/ul	0.00
86) Perylene-d12	25.00	264	444800	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.45	96	387	0.46	ng/uL	0.00
5) Phenol-d5	7.24	99	10534	2.82	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.40	67	30592	13.84	ng/ul	0.00
9) 2-Chlorophenol-d4	7.61	132	31724	11.08	ng/ul	0.00
13) 4-Methylphenol-d8	8.79	113	21408	6.82	ng/ul	0.00
19) Nitrobenzene-d5	9.25	128	22535	13.53	ng/ul	0.00
22) 2-Nitrophenol-d4	9.98	143	25959	13.71	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.53	165	44902	12.25	ng/ul	0.01
29) 4-Chloroaniline-d4	11.05	131	2150	0.51	ng/ul	0.02
44) Dimethylphthalate-d6	14.12	166	166140	13.43	ng/ul	0.01
47) Acenaphthylene-d8	14.41	160	193155	13.47	ng/ul	0.00
52) 4-Nitrophenol-d4	14.93	143	4787	2.32	ng/ul	0.00
58) Fluorene-d10	15.71	176	153493	13.72	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.83	200	27507	11.15	ng/ul	0.01
71) Anthracene-d10	17.56	188	239755	13.75	ng/ul	0.01
79) Pyrene-d10	19.84	212	284115	14.31	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.77	264	319956	14.23	ng/ul	0.00

Target Compounds

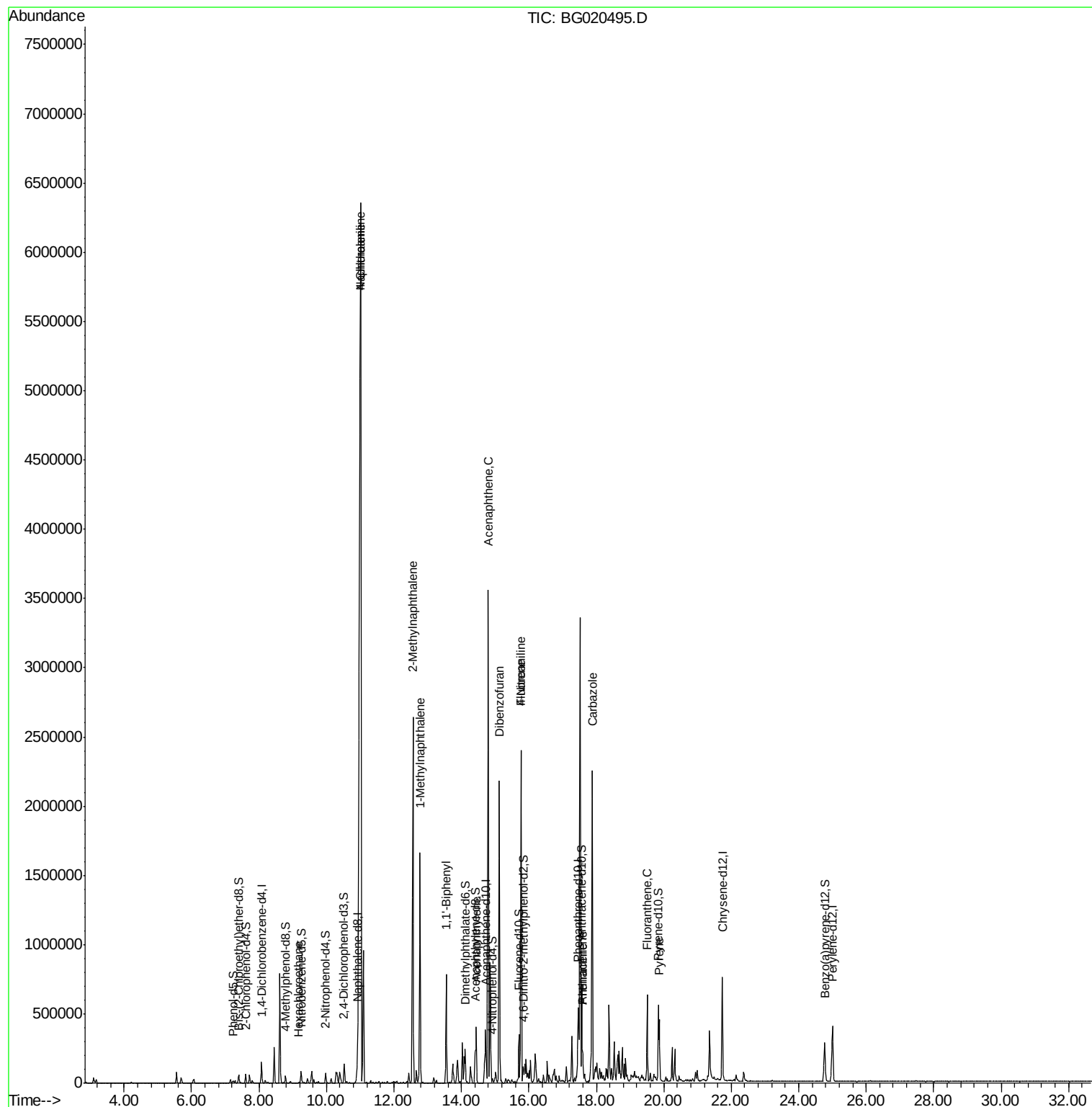
						Qvalue
17) Hexachloroethane	9.18	117	2243	1.78	ng/ul#	1
28) Naphthalene	11.02	128	7366593	652.30	ng/ul#	50
30) 4-Chloroaniline	11.02	127	1867488	442.49	ng/ul#	12
34) 2-Methylnaphthalene	12.56	142	1337976	160.12	ng/ul	99
35) 1-Methylnaphthalene	12.78	142	781826	98.49	ng/ul#	96
41) 1,1'-Biphenyl	13.55	154	423611	36.56	ng/ul	97
48) Acenaphthylene	14.44	152	249618	16.56	ng/ul	98
50) Acenaphthene	14.80	153	1697866	166.65	ng/ul	93
54) Dibenzofuran	15.12	168	1393871	91.96	ng/ul	92
59) Fluorene	15.77	166	1160517	94.48	ng/ul	97
61) 4-Nitroaniline	15.77	138	15555	5.86	ng/ul#	13
70) Phenanthrene	17.59	178	133105	6.42	ng/ul	98
72) Anthracene	17.59	178	133449	6.30	ng/ul	96
75) Carbazole	17.88	167	1662495	93.12	ng/ul#	91
77) Fluoranthene	19.51	202	423183	16.24	ng/ul	97
80) Pyrene	19.87	202	248130	9.57	ng/ul	98

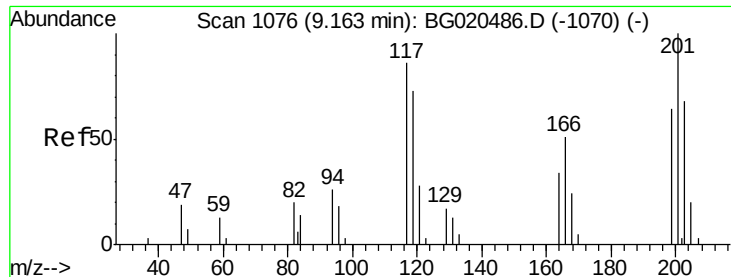
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122415\
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Quant Title : SVOA CALIBRATION
QLast Update : Fri Dec 25 03:27:34 2015
Response via : Initial Calibration





#17

Hexachloroethane

Concen: 1.78 ng/ul

RT: 9.18 min Scan# 1079

Delta R.T. 0.02 min

Lab File: BG020495.D

Acq: 25 Dec 2015 5:43

Instrument :

BNA_G

ClientSampleId :

D9N49

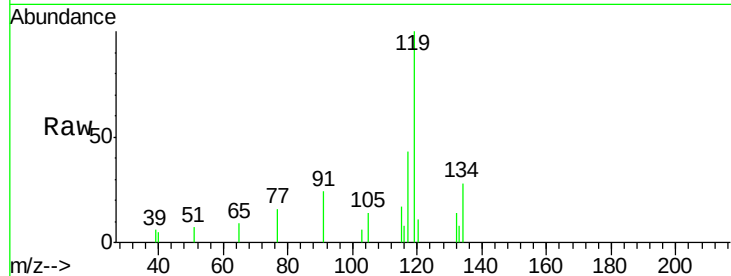
Tgt Ion:117 Resp: 2243

Ion Ratio Lower Upper

117 100

201 0.0 102.7 154.1#

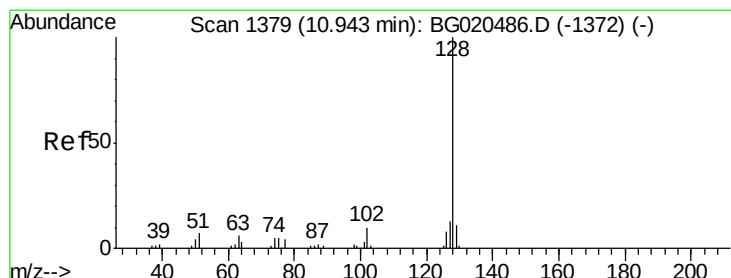
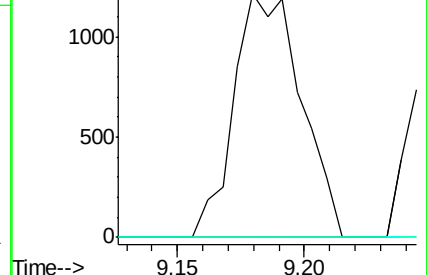
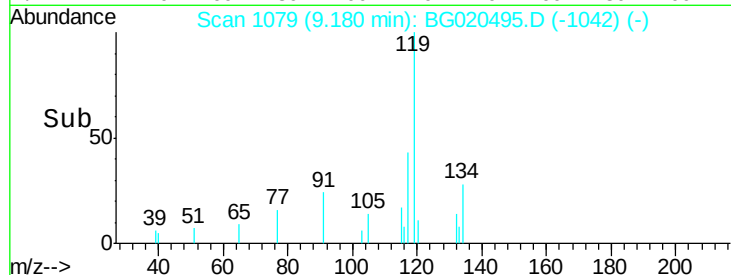
199 0.0 65.8 98.8#



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



#28

Naphthalene

Concen: 652.30 ng/ul

RT: 11.02 min Scan# 1392

Delta R.T. 0.08 min

Lab File: BG020495.D

Acq: 25 Dec 2015 5:43

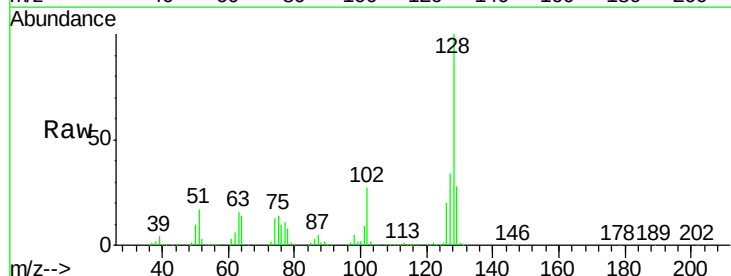
Tgt Ion:128 Resp: 7366593

Ion Ratio Lower Upper

128 100

129 27.6 8.6 12.8#

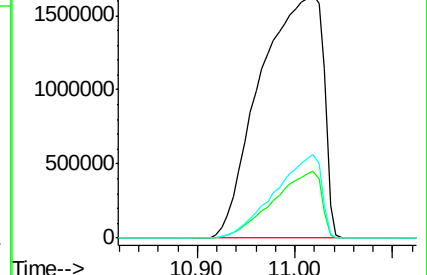
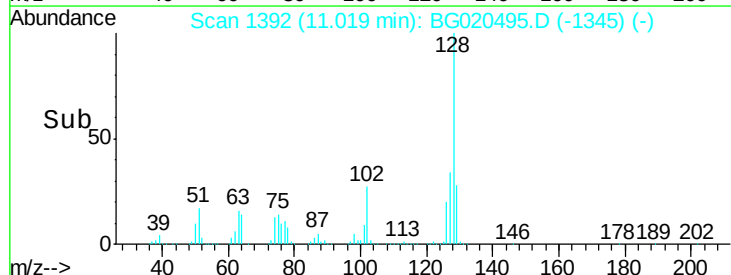
127 34.1 10.1 15.1#

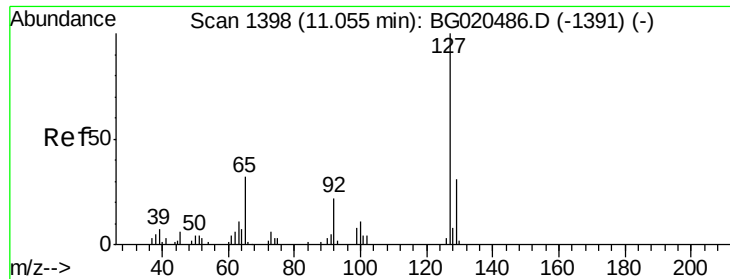


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#30

4-Chloroaniline

Concen: 442.49 ng/ul

RT: 11.02 min Scan# 1392

Delta R.T. -0.04 min

Lab File: BG020495.D

Acq: 25 Dec 2015 5:43

Instrument :

BNA_G

ClientSampleId :

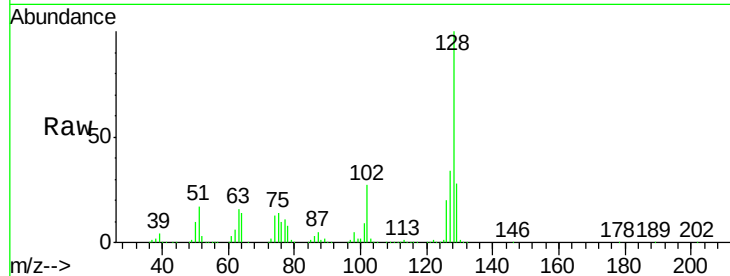
D9N49

Tgt Ion:127 Resp: 1867488

Ion Ratio Lower Upper

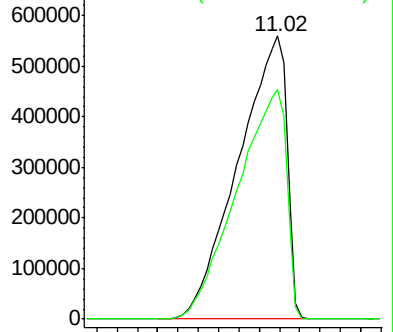
127 100

129 81.0 25.7 38.5#

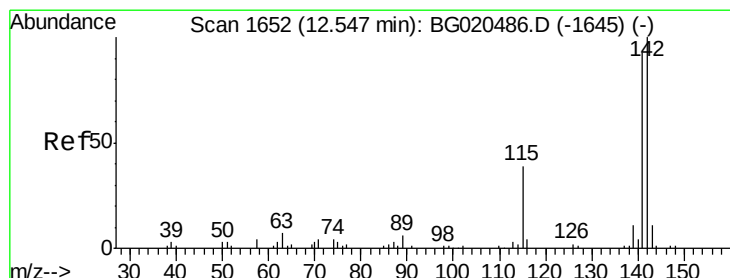
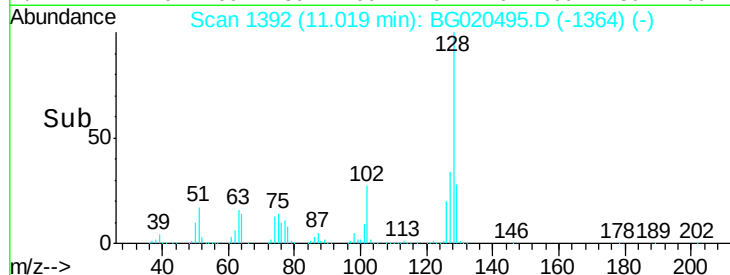


Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E



Time-->



#34

2-Methylnaphthalene

Concen: 160.12 ng/ul

RT: 12.56 min Scan# 1655

Delta R.T. 0.02 min

Lab File: BG020495.D

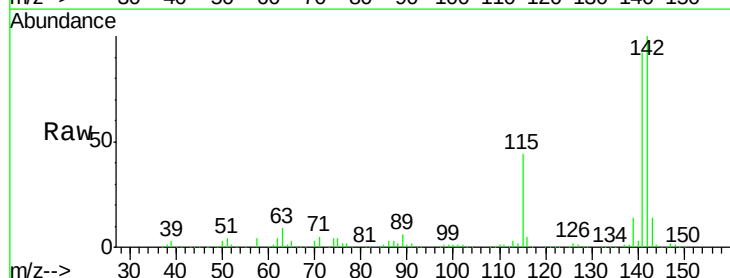
Acq: 25 Dec 2015 5:43

Tgt Ion:142 Resp: 1337976

Ion Ratio Lower Upper

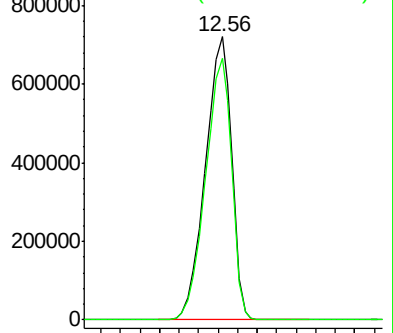
142 100

141 92.4 74.9 112.3

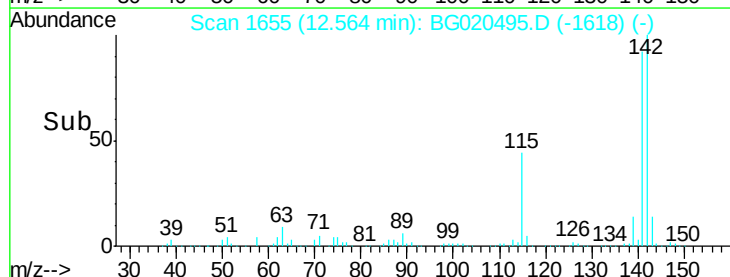


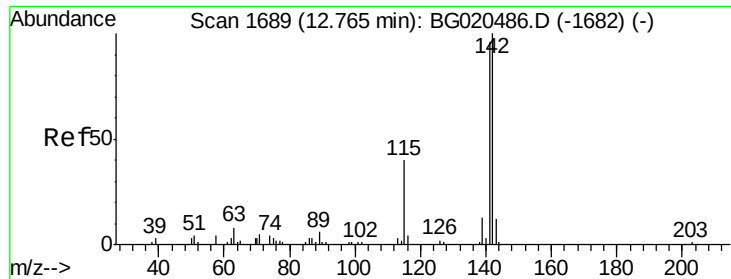
Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



Time-->

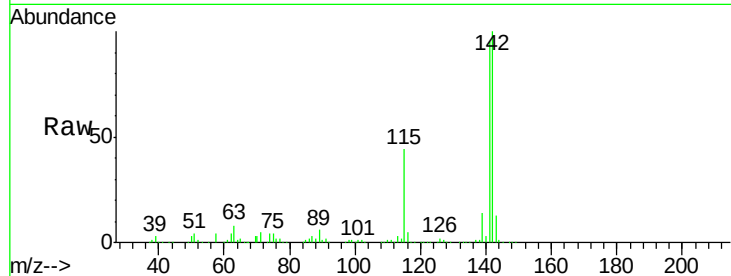




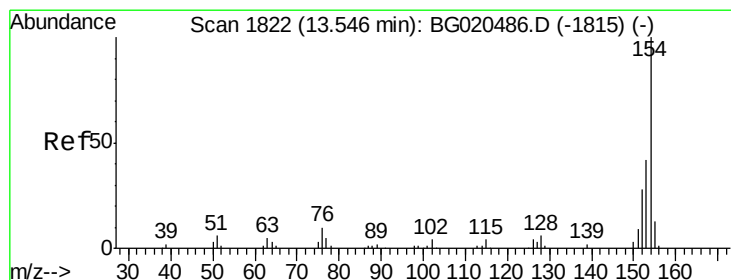
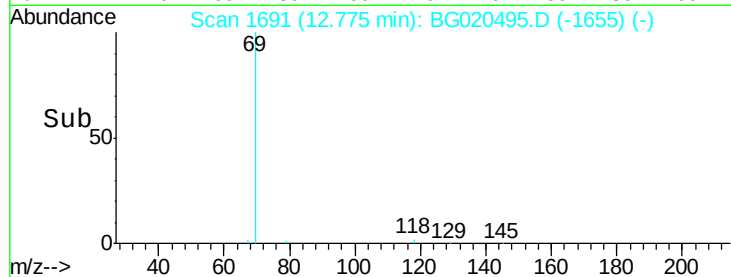
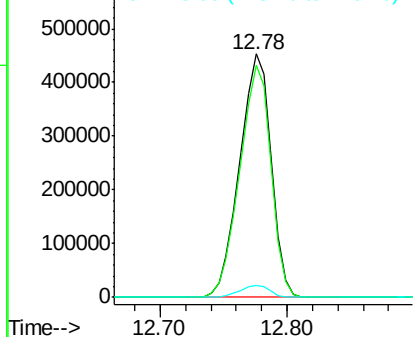
#35
 1-Methylnaphthalene
 Concen: 98.49 ng/ul
 RT: 12.78 min Scan# 1691
 Delta R.T. 0.01 min
 Lab File: BG020495.D
 Acq: 25 Dec 2015 5:43

Instrument :
 BNA_G
 ClientSampleId :
 D9N49

Tgt Ion:142 Resp: 781826
 Ion Ratio Lower Upper
 142 100
 141 95.3 73.0 109.6
 116 4.8 3.0 4.6#

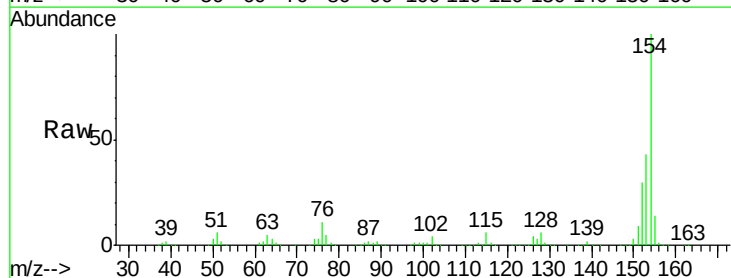


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 116.00 (115.70 to 116.70): E

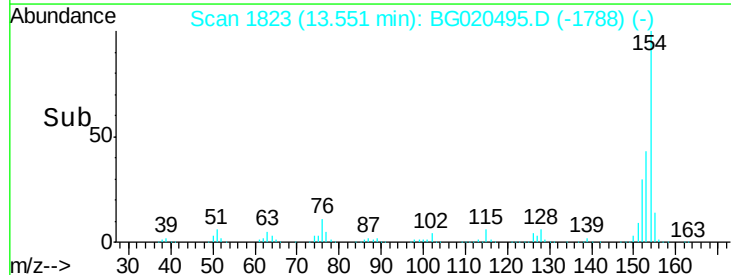
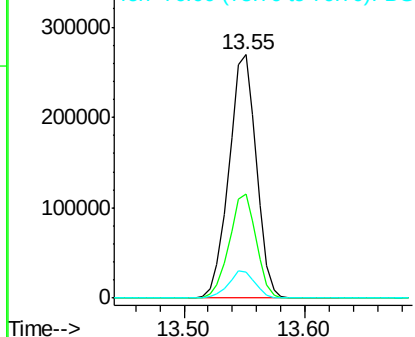


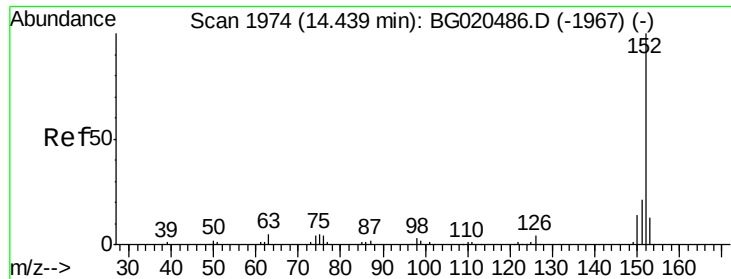
#41
 1,1'-Biphenyl
 Concen: 36.56 ng/ul
 RT: 13.55 min Scan# 1823
 Delta R.T. 0.00 min
 Lab File: BG020495.D
 Acq: 25 Dec 2015 5:43

Tgt Ion:154 Resp: 423611
 Ion Ratio Lower Upper
 154 100
 153 42.8 35.5 53.3
 76 10.7 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): BG





#48

Acenaphthylene

Concen: 16.56 ng/ul

RT: 14.44 min Scan# 1974

Delta R.T. -0.00 min

Lab File: BG020495.D

Acq: 25 Dec 2015 5:43

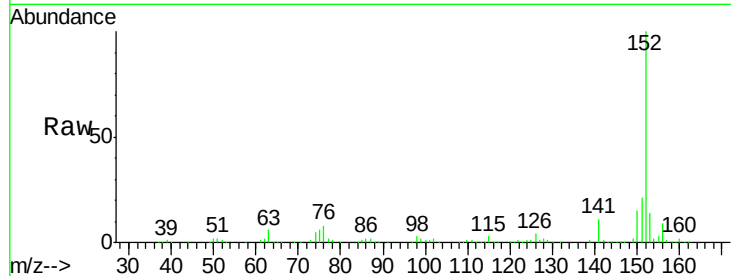
Instrument :

BNA_G

ClientSampleId :

D9N49

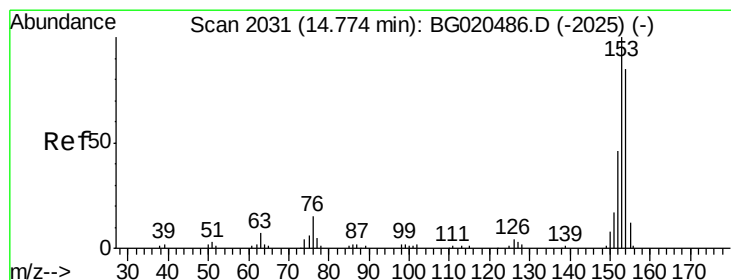
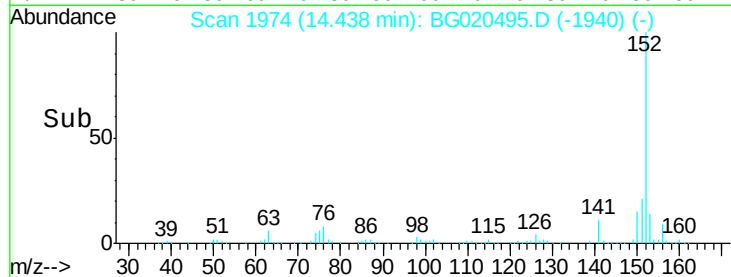
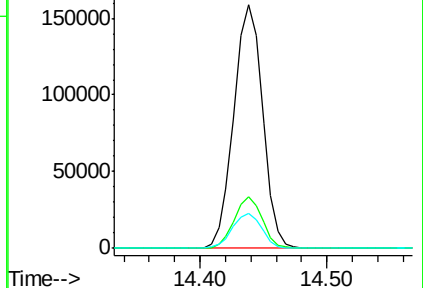
Tgt Ion:	152	Resp:	249618
Ion	Ratio	Lower	Upper
152	100		
151	21.2	16.4	24.6
153	14.4	10.4	15.6



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: 166.65 ng/ul

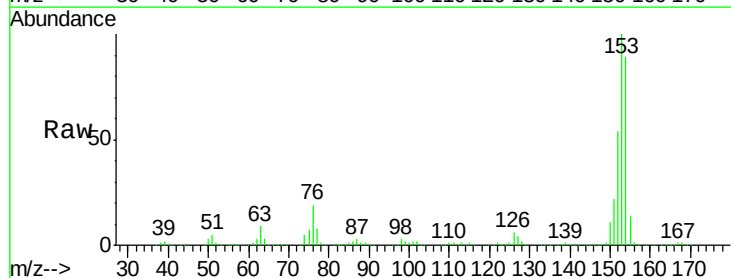
RT: 14.80 min Scan# 2035

Delta R.T. 0.02 min

Lab File: BG020495.D

Acq: 25 Dec 2015 5:43

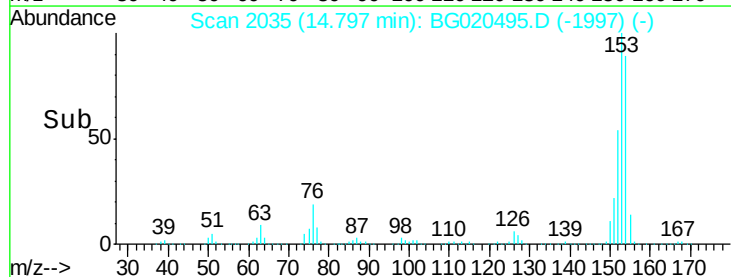
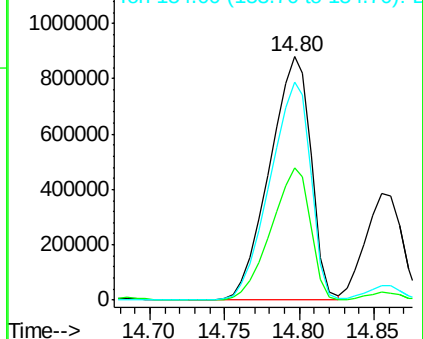
Tgt Ion:	153	Resp:	1697866
Ion	Ratio	Lower	Upper
153	100		
152	54.2	37.6	56.4
154	89.5	67.9	101.9

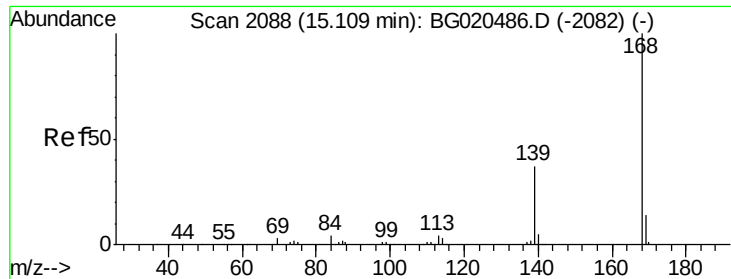


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#54

Dibenzenofuran

Concen: 91.96 ng/ul

RT: 15.12 min Scan# 2090

Delta R.T. 0.01 min

Lab File: BG020495.D

Acq: 25 Dec 2015 5:43

Instrument :

BNA_G

ClientSampleId :

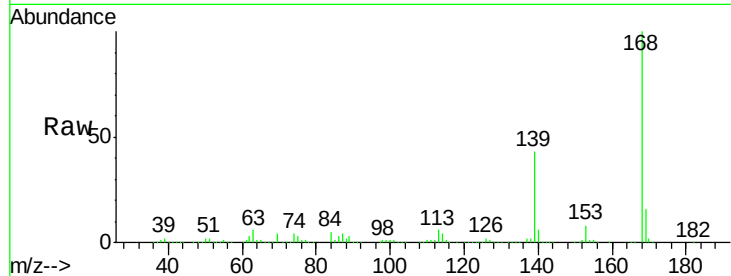
D9N49

Tgt Ion:168 Resp: 1393871

Ion Ratio Lower Upper

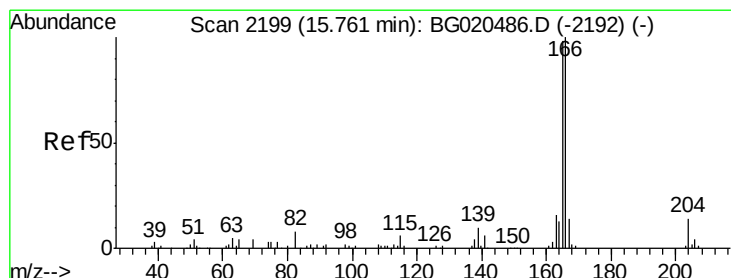
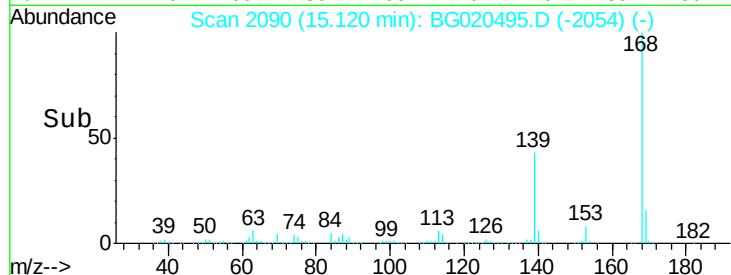
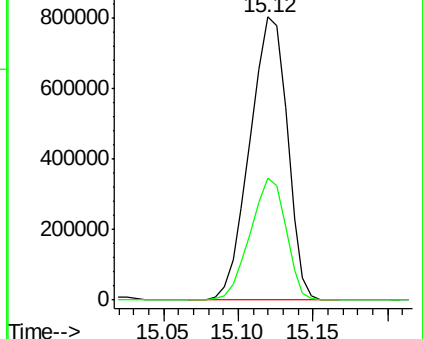
168 100

139 43.0 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: 94.48 ng/ul

RT: 15.77 min Scan# 2201

Delta R.T. 0.01 min

Lab File: BG020495.D

Acq: 25 Dec 2015 5:43

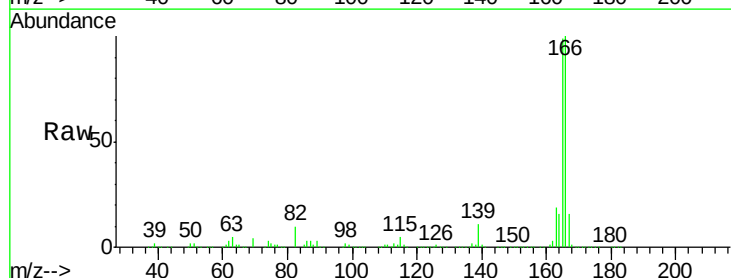
Tgt Ion:166 Resp: 1160517

Ion Ratio Lower Upper

166 100

165 99.4 81.4 122.0

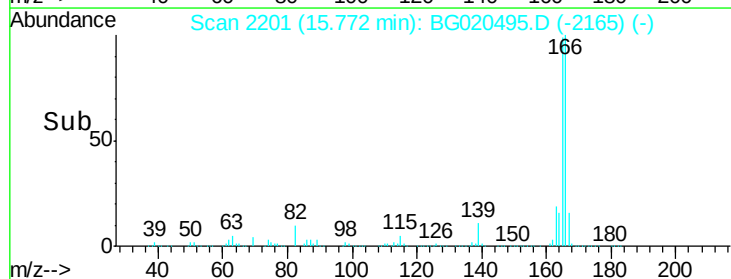
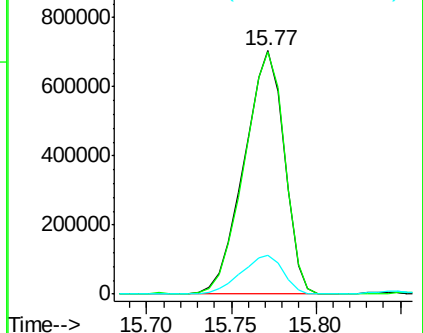
167 16.2 11.2 16.8

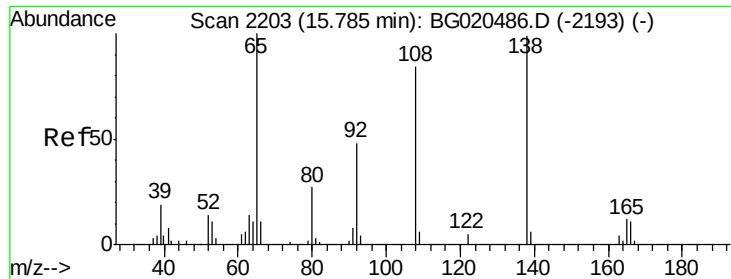


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

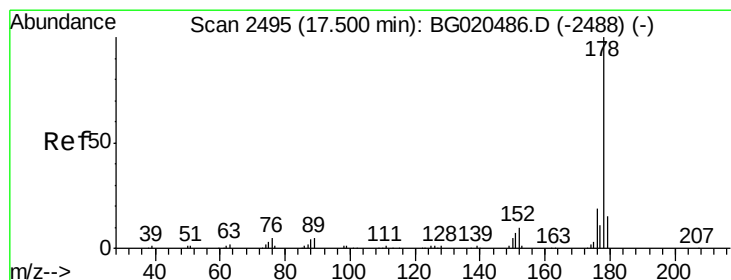
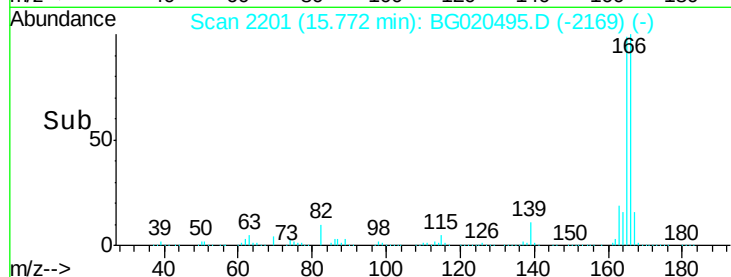
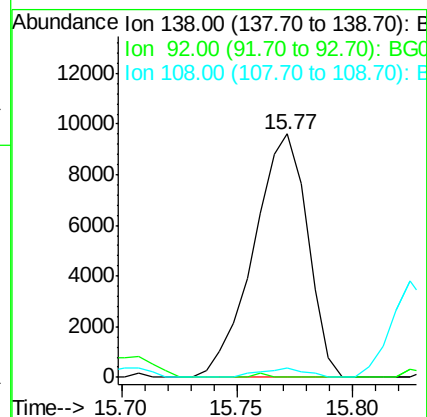
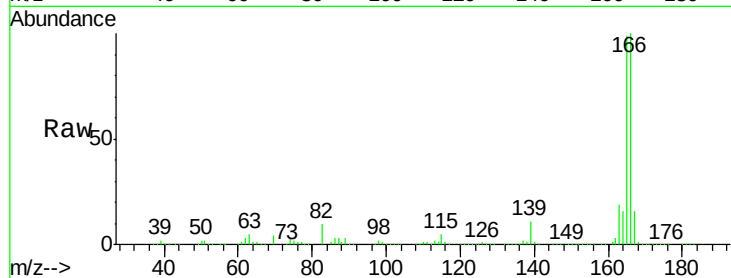




#61
4-Nitroaniline
Concen: 5.86 ng/ul
RT: 15.77 min Scan# 2201
Delta R.T. -0.01 min
Lab File: BG020495.D
Acq: 25 Dec 2015 5:43

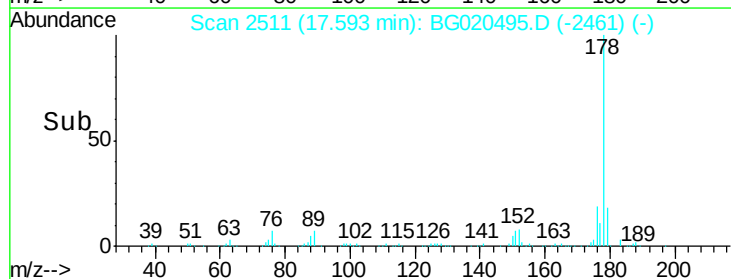
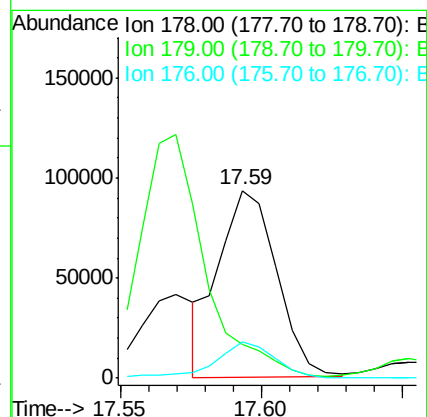
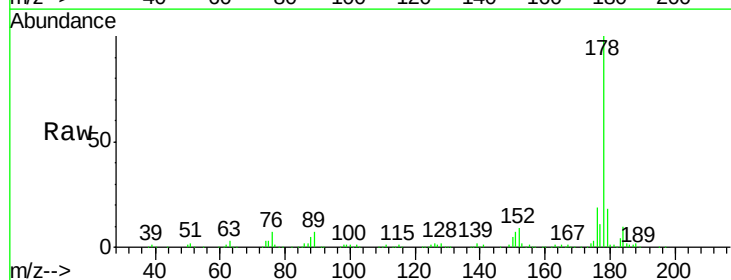
Instrument :
BNA_G
ClientSampleId :
D9N49

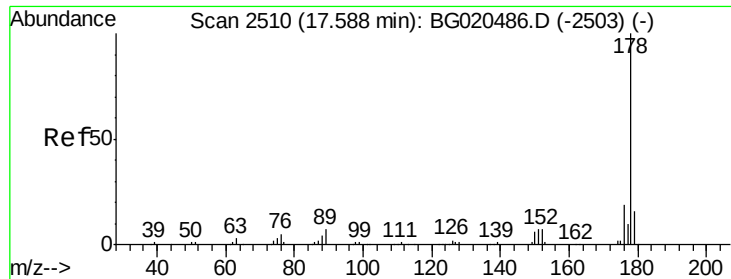
Tgt Ion:138 Resp: 15555
Ion Ratio Lower Upper
138 100
92 0.0 45.2 67.8#
108 3.8 75.4 113.0#



#70
Phenanthrene
Concen: 6.42 ng/ul
RT: 17.59 min Scan# 2511
Delta R.T. 0.09 min
Lab File: BG020495.D
Acq: 25 Dec 2015 5:43

Tgt Ion:178 Resp: 133105
Ion Ratio Lower Upper
178 100
179 17.8 12.9 19.3
176 19.1 15.3 22.9





#72

Anthracene

Concen: 6.30 ng/ul

RT: 17.59 min Scan# 2511

Delta R.T. 0.00 min

Lab File: BG020495.D

Acq: 25 Dec 2015 5:43

Instrument :

BNA_G

ClientSampleId :

D9N49

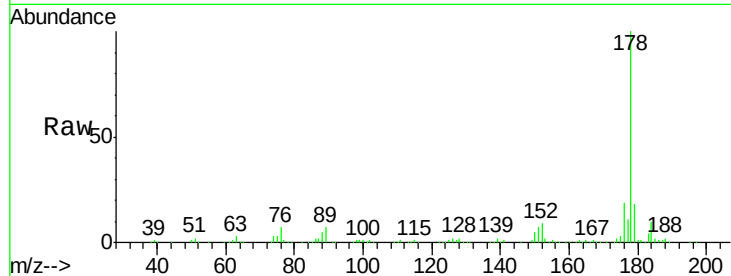
Tgt Ion:178 Resp: 133449

Ion Ratio Lower Upper

178 100

179 17.8 12.3 18.5

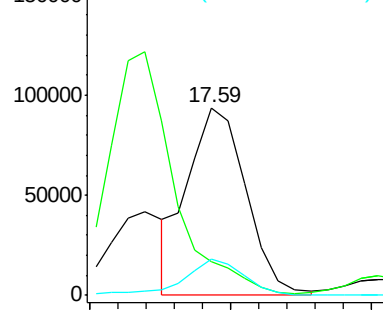
176 19.1 14.3 21.5



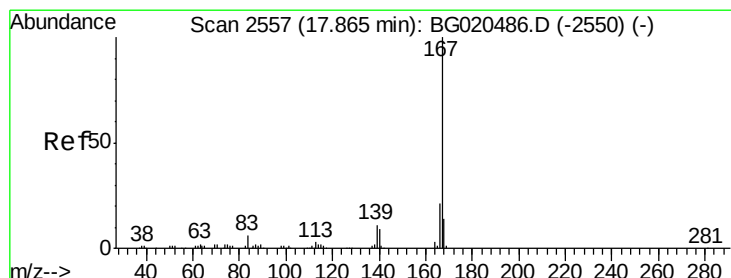
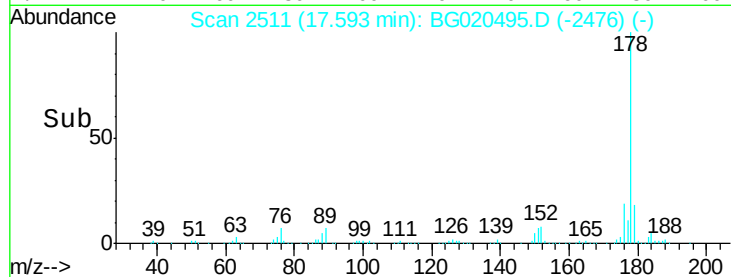
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



Time--> 17.55 17.60



#75

Carbazole

Concen: 93.12 ng/ul

RT: 17.88 min Scan# 2560

Delta R.T. 0.02 min

Lab File: BG020495.D

Acq: 25 Dec 2015 5:43

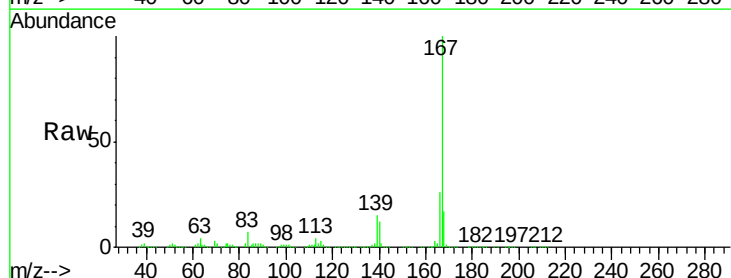
Tgt Ion:167 Resp: 1662495

Ion Ratio Lower Upper

167 100

166 26.3 17.0 25.6#

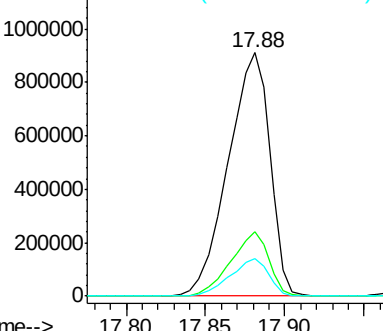
139 15.3 10.1 15.1#



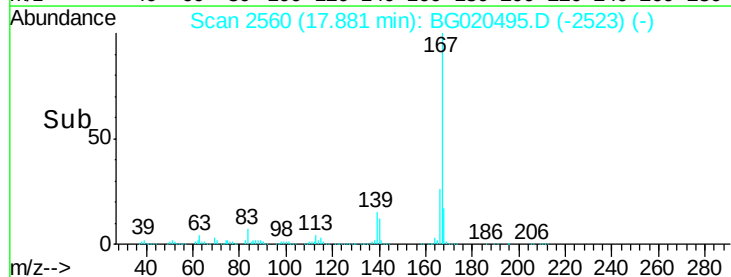
Abundance Ion 167.00 (166.70 to 167.70): E

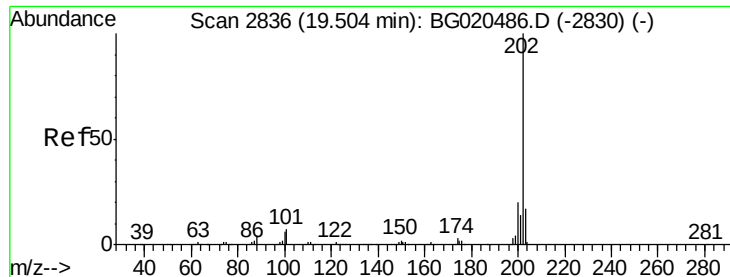
Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



Time--> 17.80 17.85 17.90

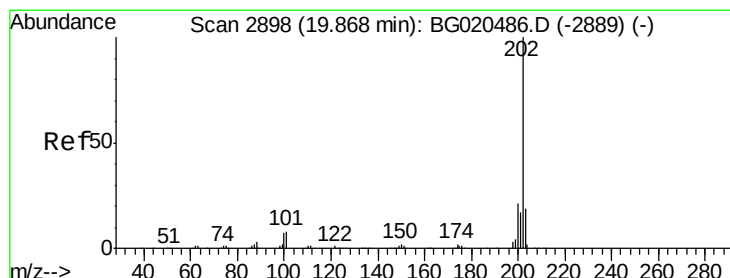
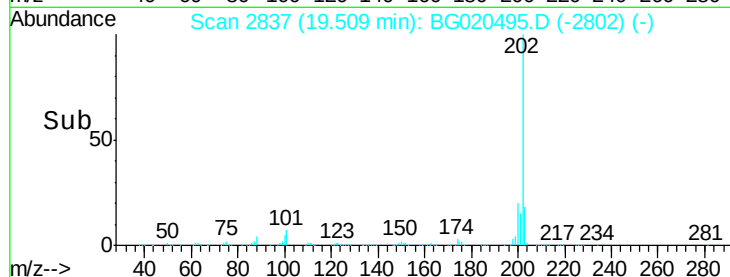
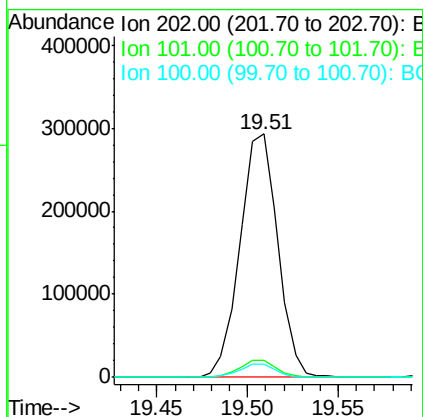
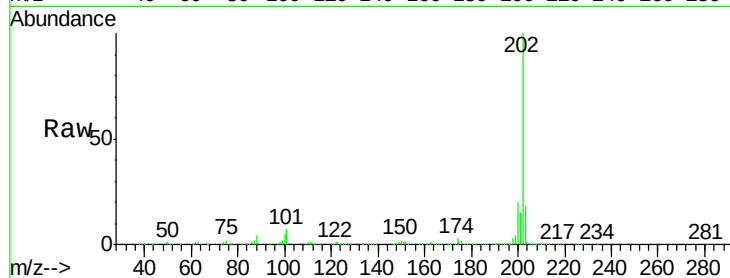




#77
 Fluoranthene
 Concen: 16.24 ng/ul
 RT: 19.51 min Scan# 2837
 Delta R.T. 0.00 min
 Lab File: BG020495.D
 Acq: 25 Dec 2015 5:43

Instrument :
 BNA_G
 ClientSampleId :
 D9N49

Tgt Ion	Ratio	Lower	Upper
202	100		
101	6.8	6.2	9.4
100	5.3	5.1	7.7



#80
 Pyrene
 Concen: 9.57 ng/ul
 RT: 19.87 min Scan# 2898
 Delta R.T. -0.00 min
 Lab File: BG020495.D
 Acq: 25 Dec 2015 5:43

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.5	7.0	10.4
100	6.7	6.4	9.6

