

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122415\
 Data File : BG020494.D
 Acq On : 25 Dec 2015 5:03
 Operator : UM/SJ
 Sample : G4846-02
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Dec 25 07:50:49 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	47312	20.00	ng/ul	0.00
18) Naphthalene-d8	10.91	136	212595	20.00	ng/ul	0.01
36) Acenaphthene-d10	14.72	164	146637	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.46	188	349305	20.00	ng/ul	0.00
78) Chrysene-d12	21.73	240	437568	20.00	ng/ul	0.00
86) Perylene-d12	25.00	264	425535	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.45	96	518	0.60	ng/uL	0.00
5) Phenol-d5	7.24	99	10763	2.84	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.40	67	29245	13.00	ng/ul	0.00
9) 2-Chlorophenol-d4	7.61	132	31078	10.67	ng/ul	0.00
13) 4-Methylphenol-d8	8.79	113	21907	6.86	ng/ul	0.00
19) Nitrobenzene-d5	9.25	128	21592	12.96	ng/ul	0.00
22) 2-Nitrophenol-d4	9.98	143	24625	13.00	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.52	165	43338	11.82	ng/ul	0.00
29) 4-Chloroaniline-d4	11.05	131	2196	0.52	ng/ul	0.01
44) Dimethylphthalate-d6	14.12	166	155646	12.88	ng/ul	0.00
47) Acenaphthylene-d8	14.41	160	180795	12.91	ng/ul	0.00
52) 4-Nitrophenol-d4	14.92	143	4863	2.41	ng/ul	0.00
58) Fluorene-d10	15.70	176	143073	13.09	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.83	200	24053	10.39	ng/ul	0.00
71) Anthracene-d10	17.56	188	219258	13.40	ng/ul	0.00
79) Pyrene-d10	19.84	212	258518	13.65	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.77	264	299666	13.93	ng/ul	0.00

Target Compounds

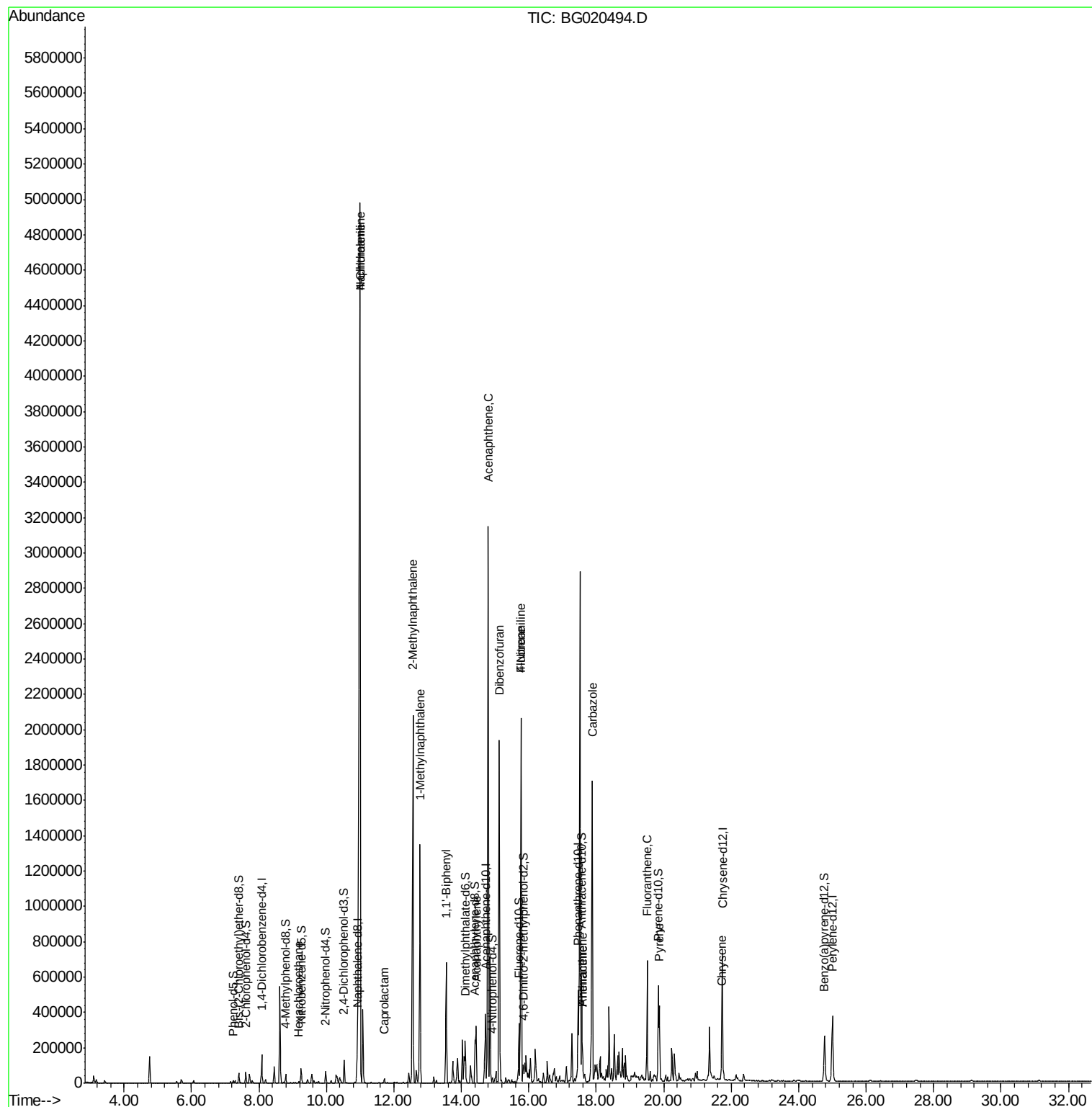
						Ovalue
17) Hexachloroethane	9.19	117	1789	1.39	ng/ul#	1
28) Naphthalene	11.00	128	5269826	466.30	ng/ul#	63
30) 4-Chloroaniline	11.00	127	1139786	269.87	ng/ul#	12
32) Caprolactam	11.72	113	2209	1.83	ng/ul#	1
34) 2-Methylnaphthalene	12.56	142	1061663	126.96	ng/ul	97
35) 1-Methylnaphthalene	12.77	142	622459	78.36	ng/ul#	98
41) 1,1'-Biphenyl	13.55	154	356374	31.49	ng/ul	97
48) Acenaphthylene	14.44	152	193553	13.15	ng/ul	98
50) Acenaphthene	14.79	153	1478540	148.58	ng/ul	93
54) Dibenzofuran	15.12	168	1229755	83.06	ng/ul	95
59) Fluorene	15.77	166	991227	82.62	ng/ul	96
61) 4-Nitroaniline	15.77	138	13520	5.22	ng/ul#	13
70) Phenanthrene	17.60	178	96829	4.98	ng/ul	98
72) Anthracene	17.60	178	97550	4.91	ng/ul	100
75) Carbazole	17.88	167	1259209	75.18	ng/ul	94
77) Fluoranthene	19.51	202	434899	17.79	ng/ul	97
80) Pyrene	19.87	202	264347	10.68	ng/ul	98
85) Chrysene	21.71	228	24691	1.01	ng/ul	97

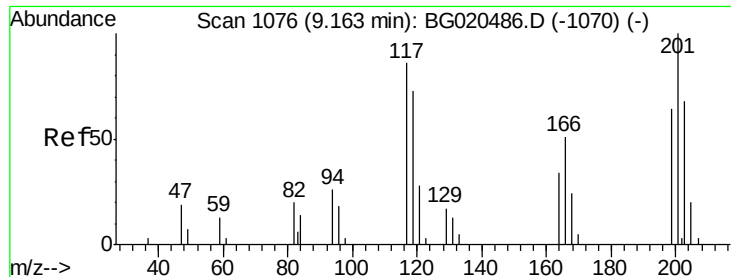
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#17

Hexachloroethane

Concen: 1.39 ng/ul

RT: 9.19 min Scan# 1081

Delta R.T. 0.03 min

Lab File: BG020494.D

Acq: 25 Dec 2015 5:03

Instrument :

BNA_G

ClientSampled :

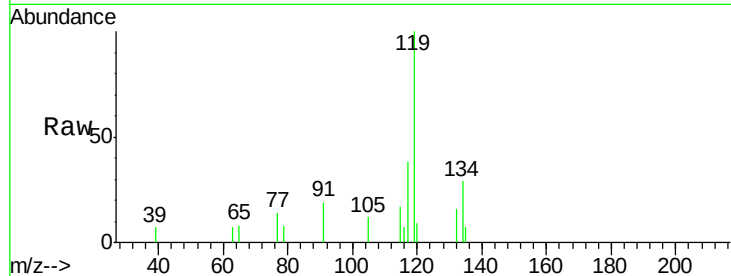
Tot Ion:117 Resp: 1789

Ion Ratio Lower Upper

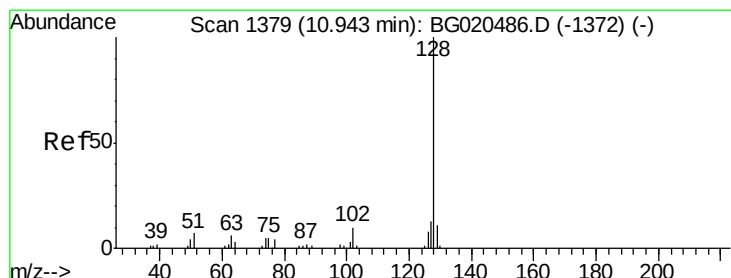
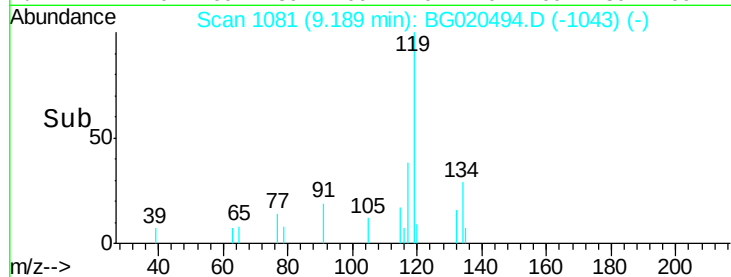
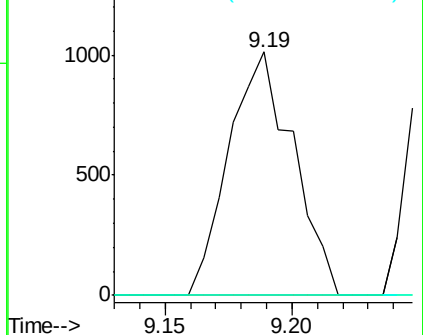
117 100

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: 466.30 ng/ul

RT: 11.00 min Scan# 1389

Delta R.T. 0.06 min

Lab File: BG020494.D

Acq: 25 Dec 2015 5:03

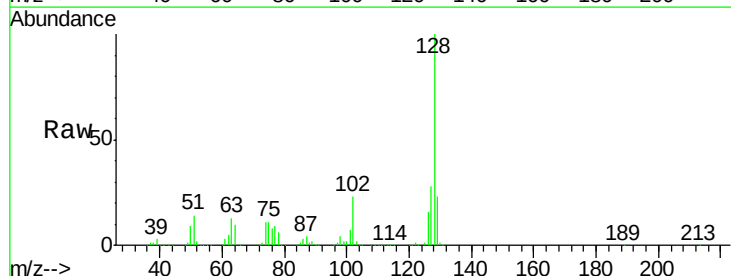
Tgt Ion:128 Resp: 5269826

Ion Ratio Lower Upper

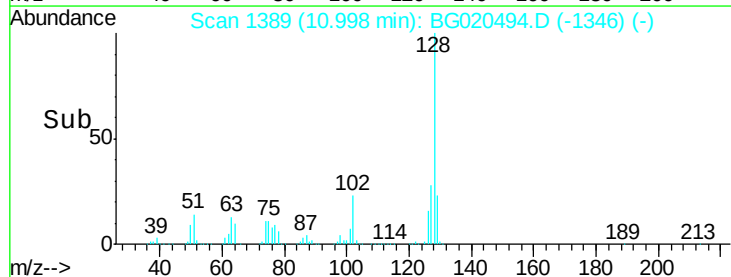
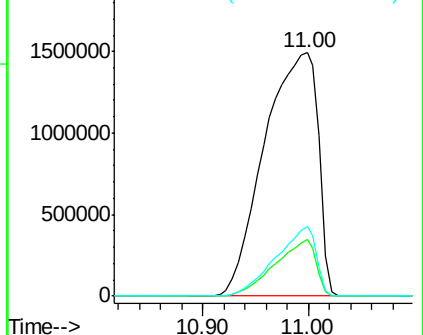
128 100

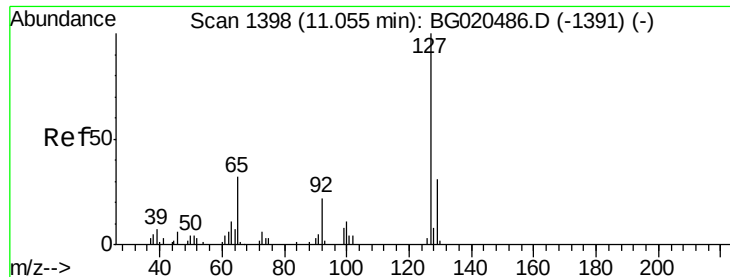
129 23.1 8.6 12.8#

127 28.3 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

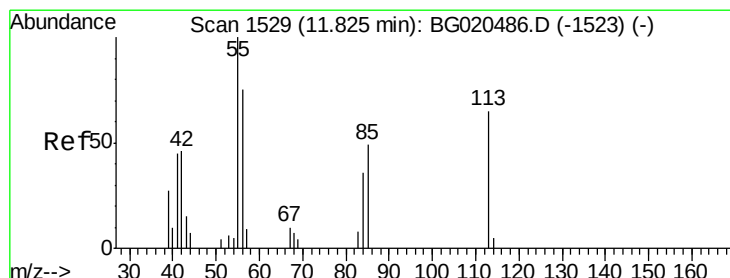
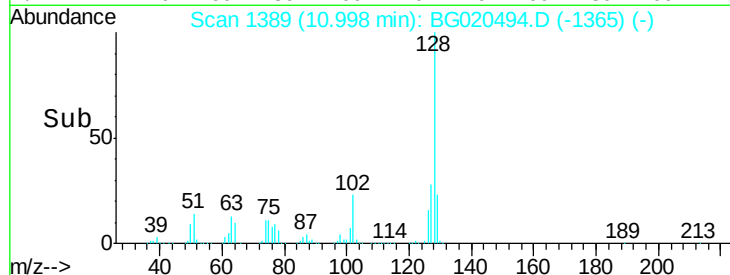
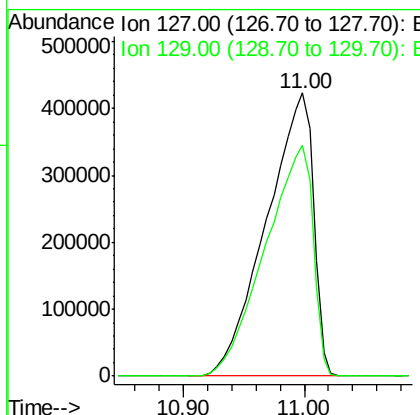
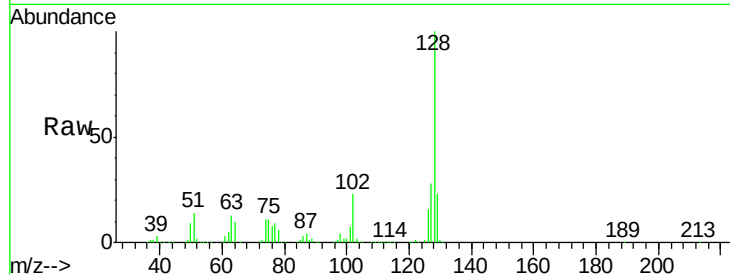




#30
4-Chloroaniline
Concen: 269.87 ng/ul
RT: 11.00 min Scan# 1389
Delta R.T. -0.06 min
Lab File: BG020494.D
Acq: 25 Dec 2015 5:03

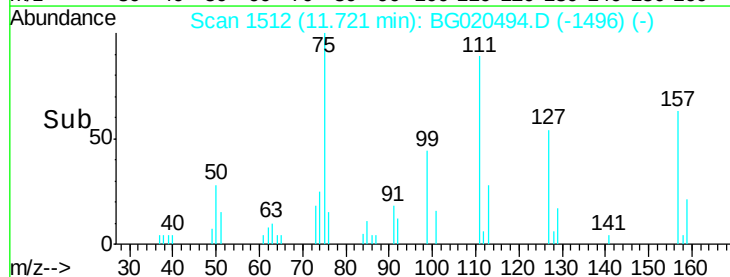
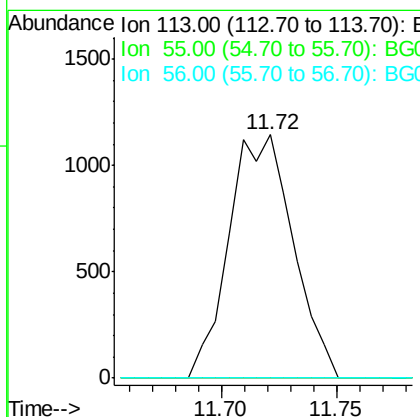
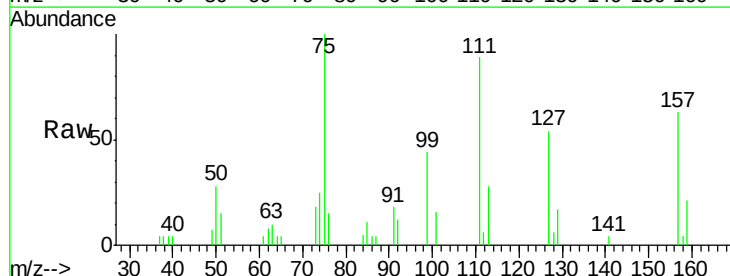
Instrument :
BNA_G
ClientSampleId :

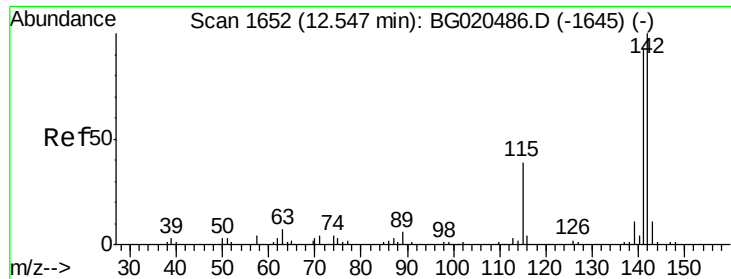
Tot Ion:127 Resp: 1139786
Ion Ratio Lower Upper
127 100
129 81.4 25.7 38.5#



#32
Caprolactam
Concen: 1.83 ng/ul
RT: 11.72 min Scan# 1512
Delta R.T. -0.10 min
Lab File: BG020494.D
Acq: 25 Dec 2015 5:03

Tgt Ion:113 Resp: 2209
Ion Ratio Lower Upper
113 100
55 0.0 132.1 198.1#
56 0.0 103.3 154.9#

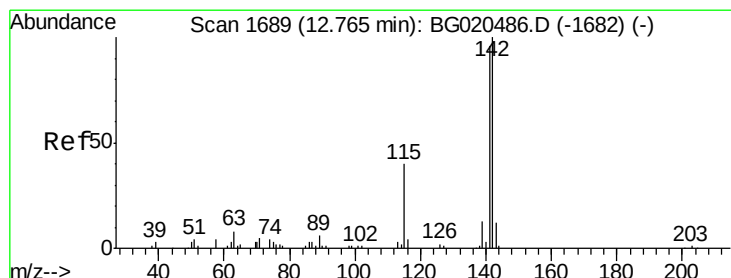
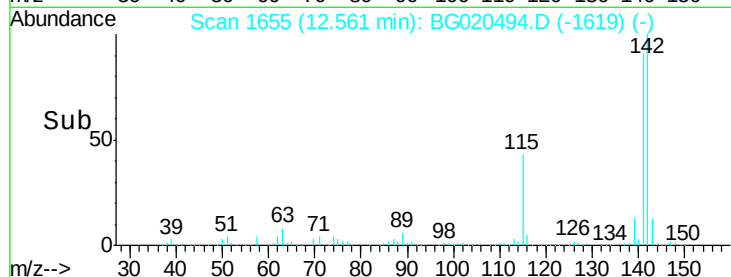
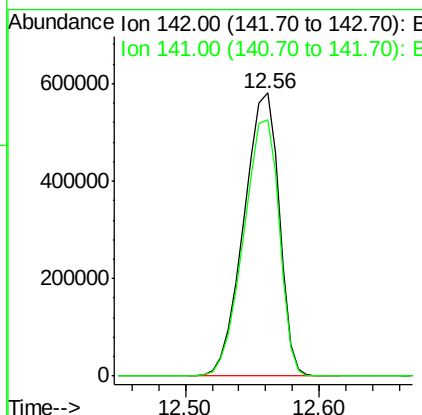
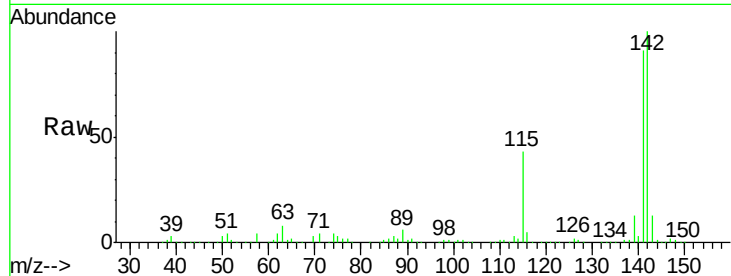




#34
2-Methylnaphthalene
Concen: 126.96 ng/ul
RT: 12.56 min Scan# 1655
Delta R.T. 0.01 min
Lab File: BG020494.D
Acq: 25 Dec 2015 5:03

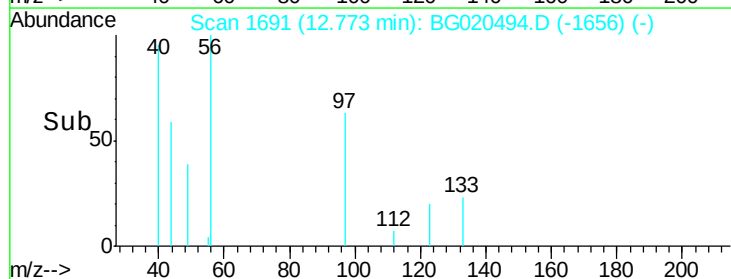
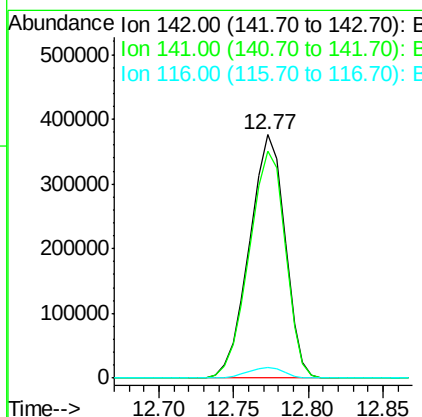
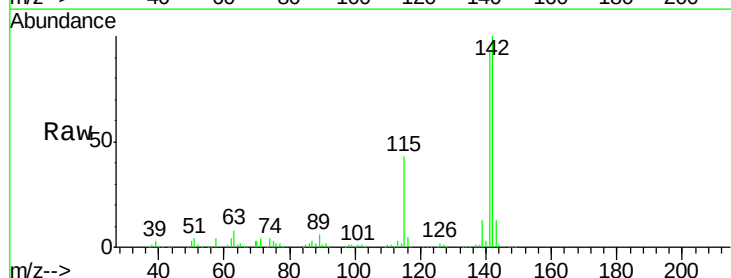
Instrument :
BNA_G
ClientSampleId :

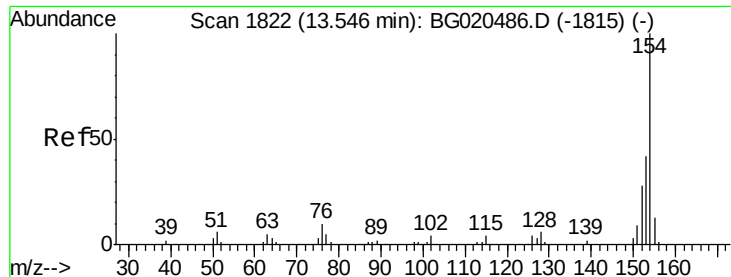
Tot Ion:142 Resp: 1061663
Ion Ratio Lower Upper
142 100
141 90.7 74.9 112.3



#35
1-Methylnaphthalene
Concen: 78.36 ng/ul
RT: 12.77 min Scan# 1691
Delta R.T. 0.01 min
Lab File: BG020494.D
Acq: 25 Dec 2015 5:03

Tgt Ion:142 Resp: 622459
Ion Ratio Lower Upper
142 100
141 93.1 73.0 109.6
116 4.6 3.0 4.6#





#41

1,1'-Biphenyl

Concen: 31.49 ng/ul

RT: 13.55 min Scan# 1823

Delta R.T. 0.00 min

Lab File: BG020494.D

Acq: 25 Dec 2015 5:03

Instrument :

BNA_G

ClientSampleId :

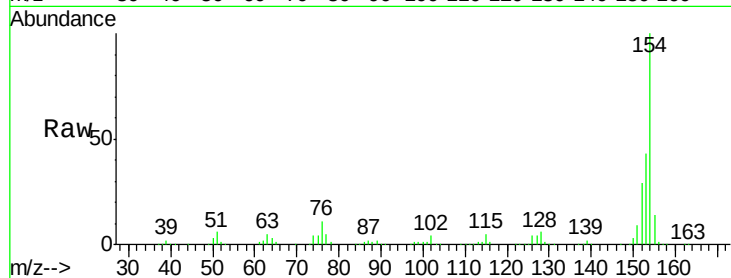
Tot Ion:154 Resp: 356374

Ion Ratio Lower Upper

154 100

153 42.9 35.5 53.3

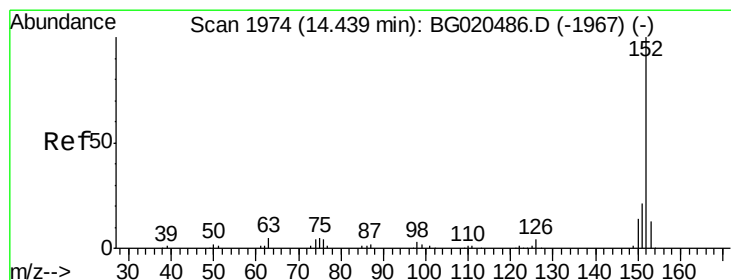
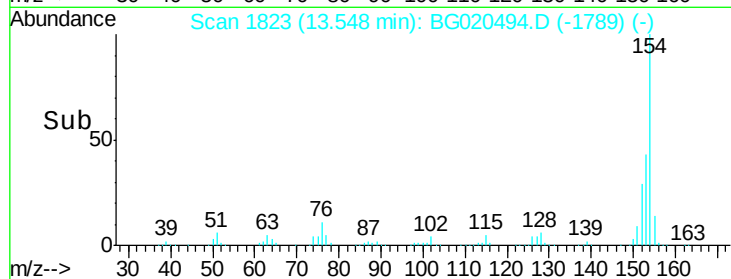
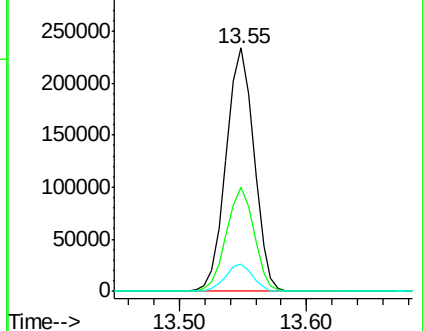
76 11.0 10.4 15.6



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: 13.15 ng/ul

RT: 14.44 min Scan# 1974

Delta R.T. -0.00 min

Lab File: BG020494.D

Acq: 25 Dec 2015 5:03

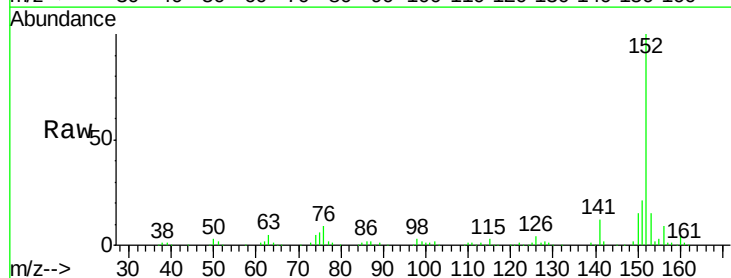
Tgt Ion:152 Resp: 193553

Ion Ratio Lower Upper

152 100

151 20.8 16.4 24.6

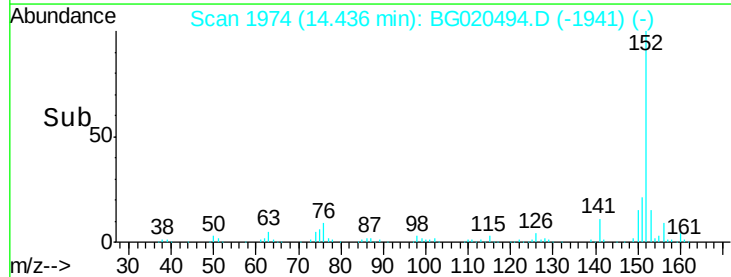
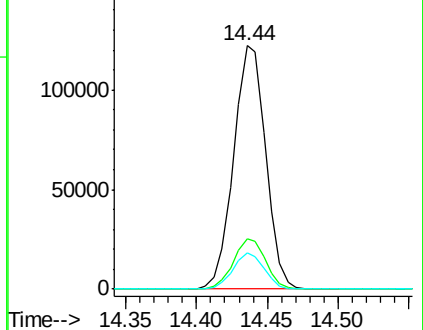
153 14.8 10.4 15.6

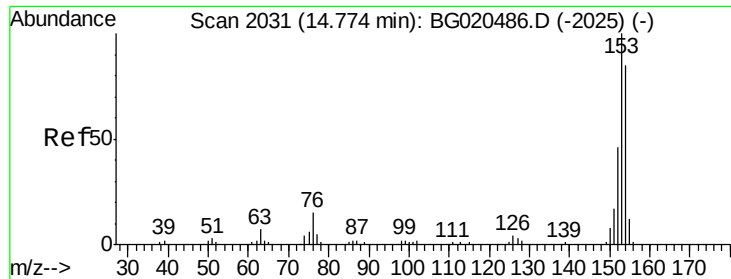


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#50

Acenaphthene

Concen: 148.58 ng/ul

RT: 14.79 min Scan# 2035

Delta R.T. 0.02 min

Lab File: BG020494.D

Acq: 25 Dec 2015 5:03

Instrument :

BNA_G

ClientSampleId :

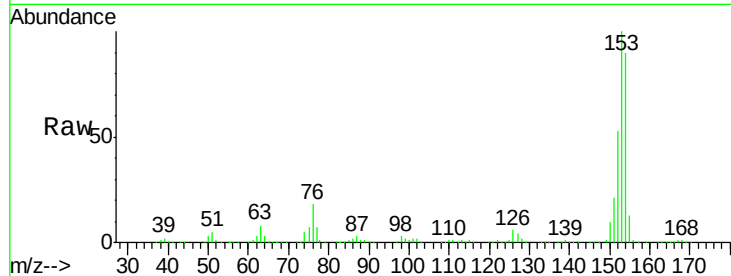
Tot Ion:153 Resp: 1478540

Ion Ratio Lower Upper

153 100

152 53.4 37.6 56.4

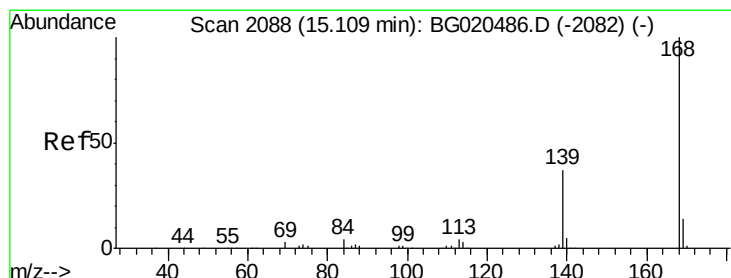
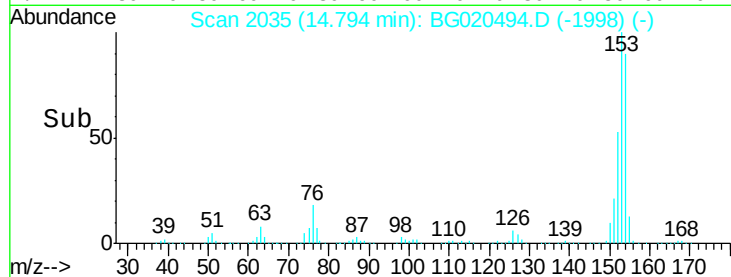
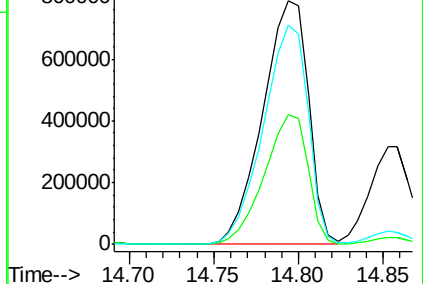
154 90.3 67.9 101.9



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: 83.06 ng/ul

RT: 15.12 min Scan# 2091

Delta R.T. 0.01 min

Lab File: BG020494.D

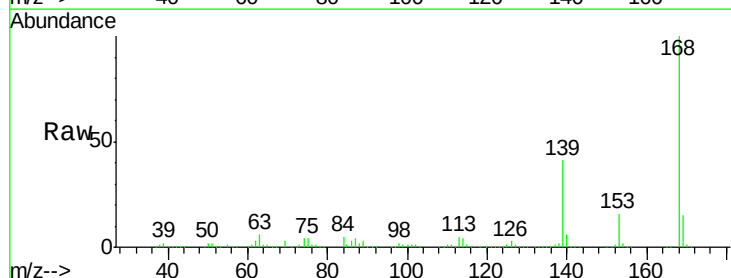
Acq: 25 Dec 2015 5:03

Tgt Ion:168 Resp: 1229755

Ion Ratio Lower Upper

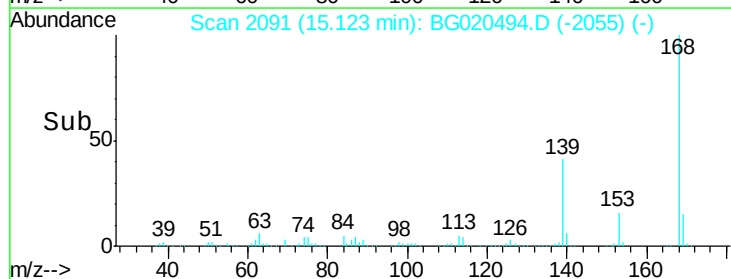
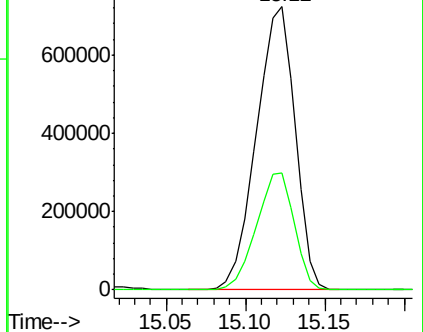
168 100

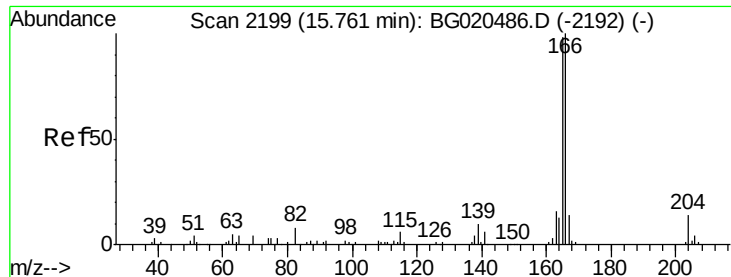
139 41.2 30.5 45.7



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#59

Fluorene

Concen: 82.62 ng/ul

RT: 15.77 min Scan# 2201

Delta R.T. 0.01 min

Lab File: BG020494.D

Acq: 25 Dec 2015 5:03

Instrument :

BNA_G

ClientSampleId :

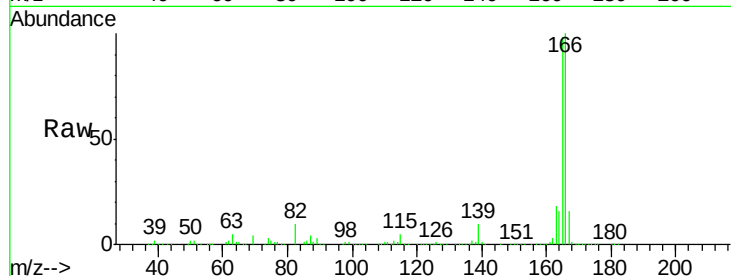
Tot Ion:166 Resp: 991227

Ion Ratio Lower Upper

166 100

165 98.3 81.4 122.0

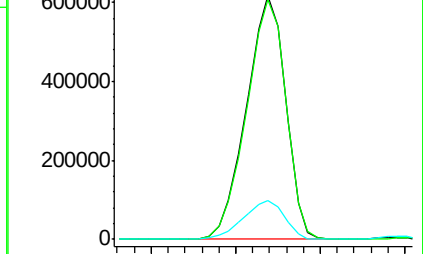
167 15.9 11.2 16.8



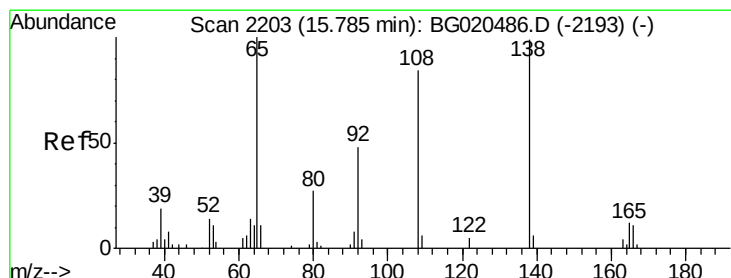
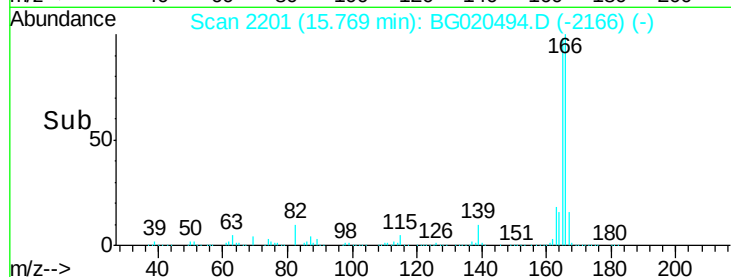
Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



Time-->



#61

4-Nitroaniline

Concen: 5.22 ng/ul

RT: 15.77 min Scan# 2201

Delta R.T. -0.02 min

Lab File: BG020494.D

Acq: 25 Dec 2015 5:03

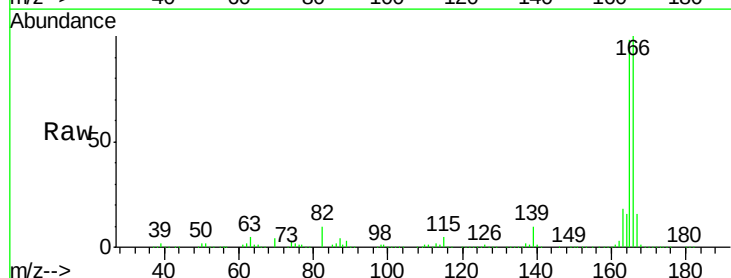
Tgt Ion:138 Resp: 13520

Ion Ratio Lower Upper

138 100

92 0.0 45.2 67.8#

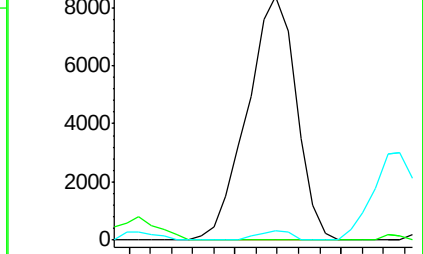
108 4.0 75.4 113.0#



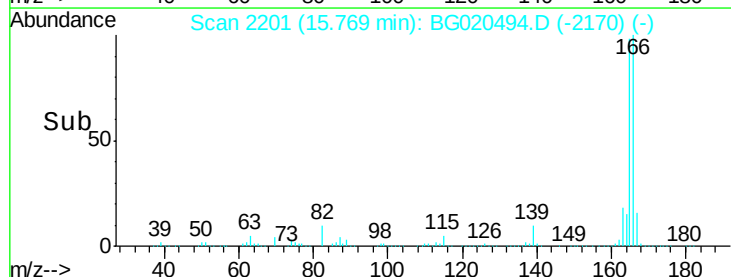
Abundance Ion 138.00 (137.70 to 138.70): E

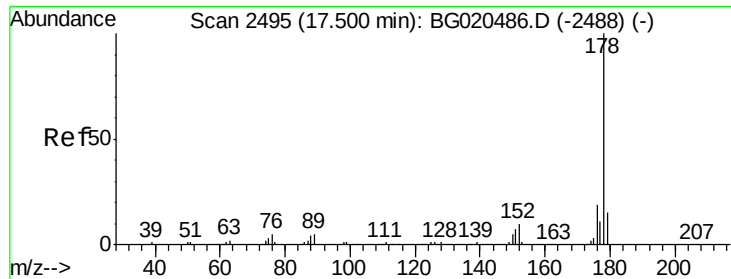
Ion 92.00 (91.70 to 92.70): BG0

Ion 108.00 (107.70 to 108.70): E



Time-->

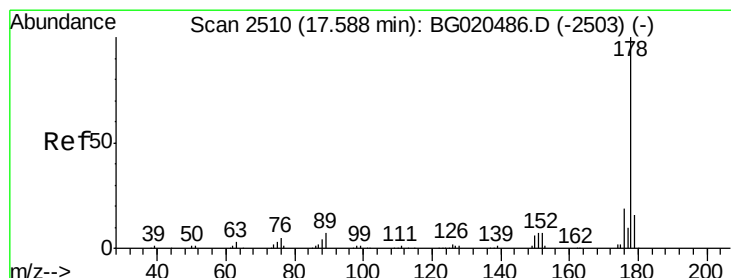
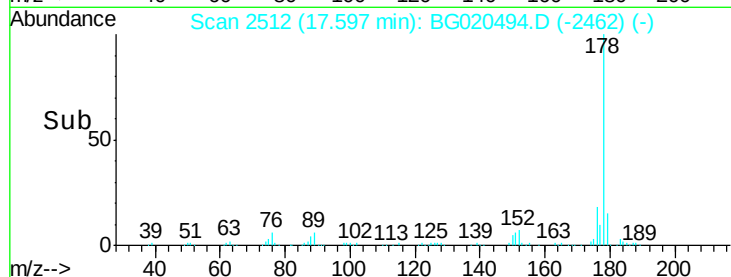
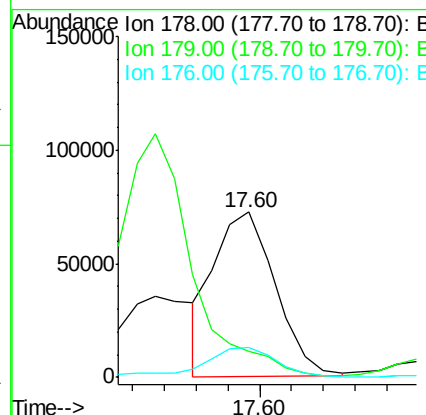
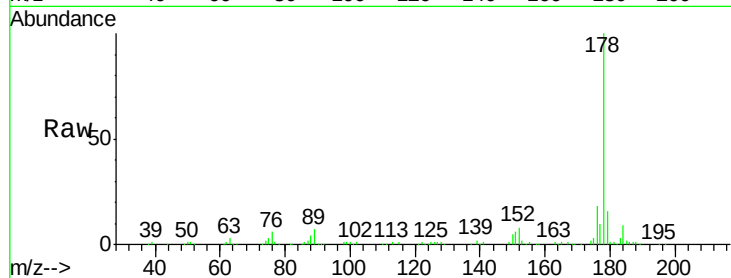




#70
 Phenanthrene
 Concen: 4.98 ng/ul
 RT: 17.60 min Scan# 2512
 Delta R.T. 0.10 min
 Lab File: BG020494.D
 Acq: 25 Dec 2015 5:03

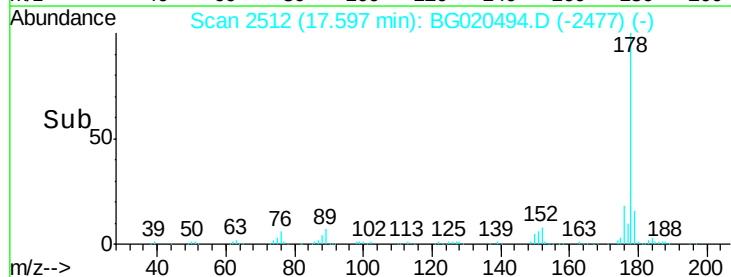
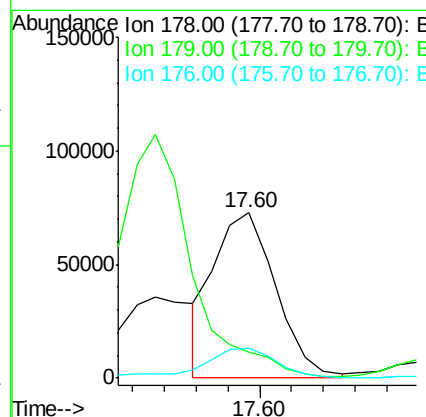
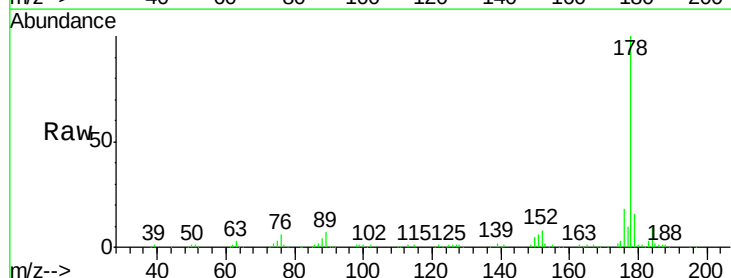
Instrument :
 BNA_G
 ClientSampled :

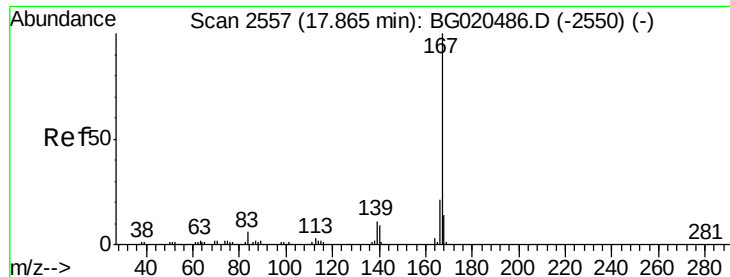
Tot Ion	Ratio	Lower	Upper
178	100		
179	15.7	12.9	19.3
176	18.0	15.3	22.9



#72
 Anthracene
 Concen: 4.91 ng/ul
 RT: 17.60 min Scan# 2512
 Delta R.T. 0.01 min
 Lab File: BG020494.D
 Acq: 25 Dec 2015 5:03

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.7	12.3	18.5
176	18.0	14.3	21.5



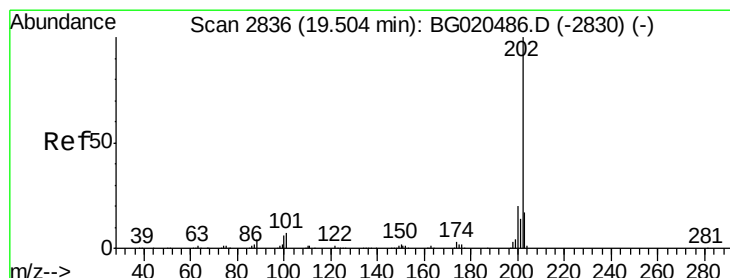
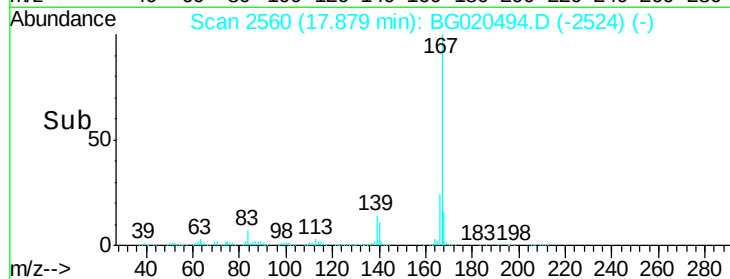
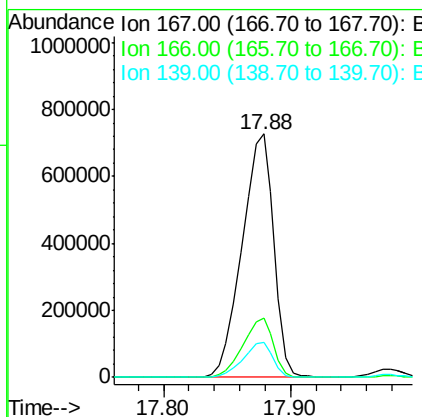
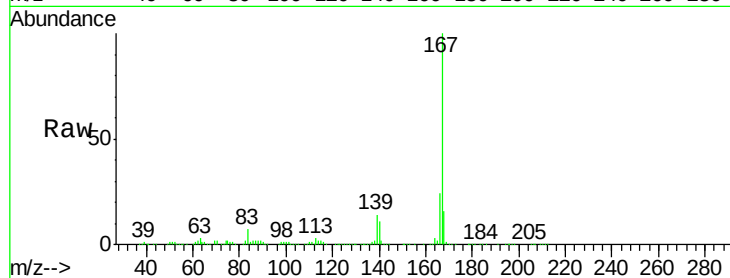


#75
 Carbazole
 Concen: 75.18 ng/ul
 RT: 17.88 min Scan# 2560
 Delta R.T. 0.01 min
 Lab File: BG020494.D
 Acq: 25 Dec 2015 5:03

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:167 Resp: 1259209

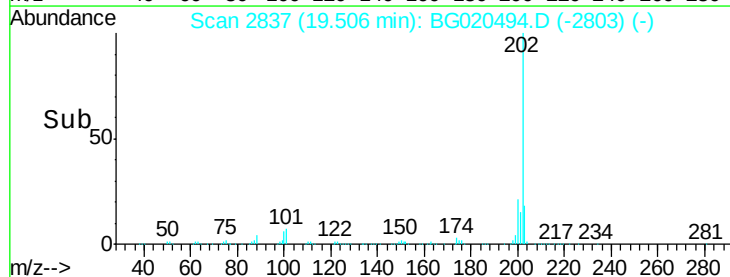
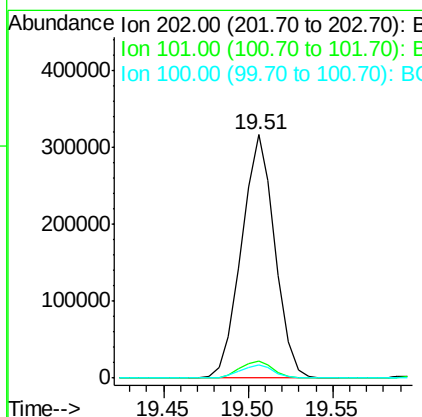
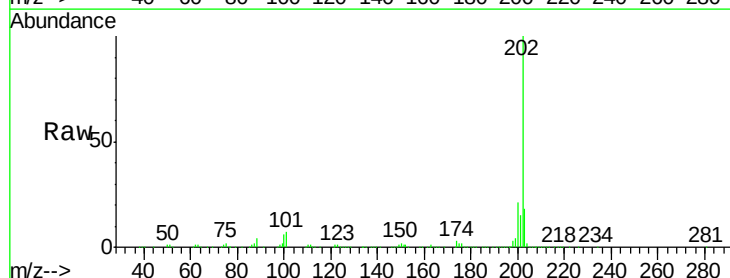
Ion	Ratio	Lower	Upper
167	100		
166	24.4	17.0	25.6
139	14.3	10.1	15.1

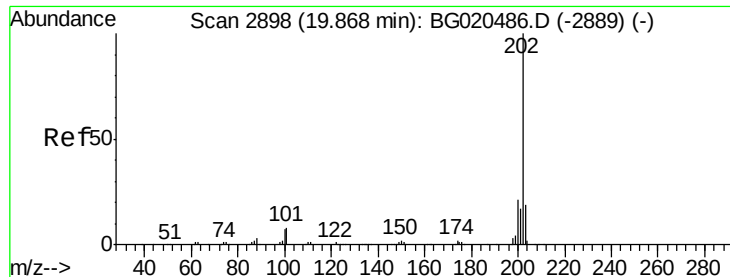


#77
 Fluoranthene
 Concen: 17.79 ng/ul
 RT: 19.51 min Scan# 2837
 Delta R.T. 0.00 min
 Lab File: BG020494.D
 Acq: 25 Dec 2015 5:03

Tgt Ion:202 Resp: 434899

Ion	Ratio	Lower	Upper
202	100		
101	6.8	6.2	9.4
100	5.6	5.1	7.7

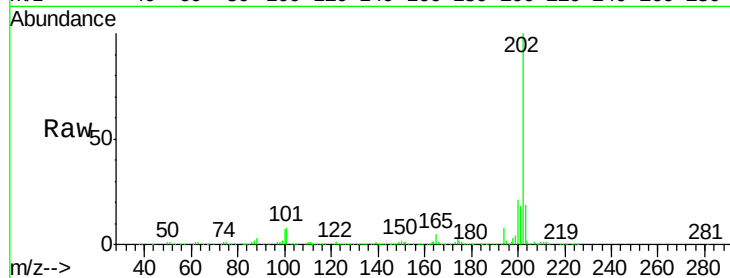




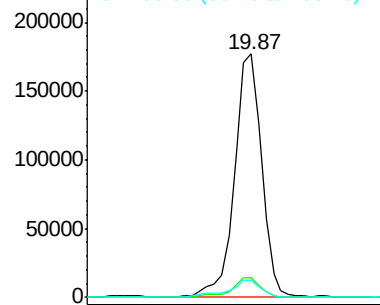
#80
Pvrene
Concen: 10.68 ng/ul
RT: 19.87 min Scan# 2899
Delta R.T. 0.00 min
Lab File: BG020494.D
Acq: 25 Dec 2015 5:03

Instrument :
BNA_G
ClientSampleId :

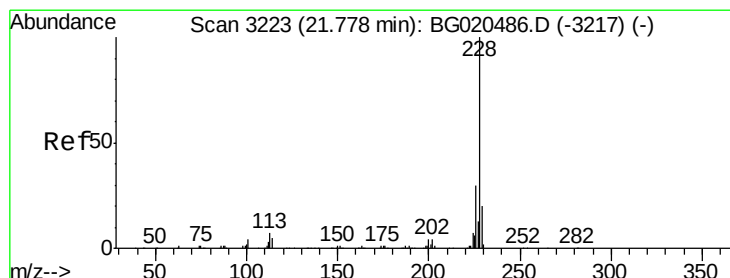
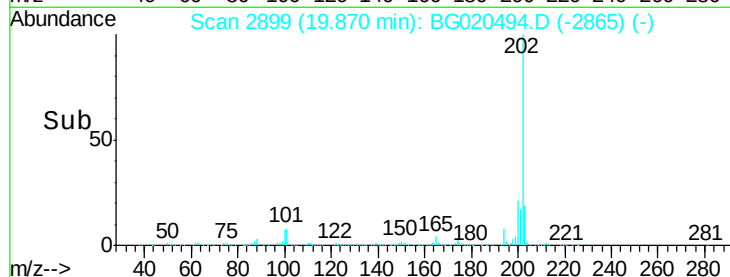
Tot Ion:202 Resp: 264347
Ion Ratio Lower Upper
202 100
101 8.0 7.0 10.4
100 6.9 6.4 9.6



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

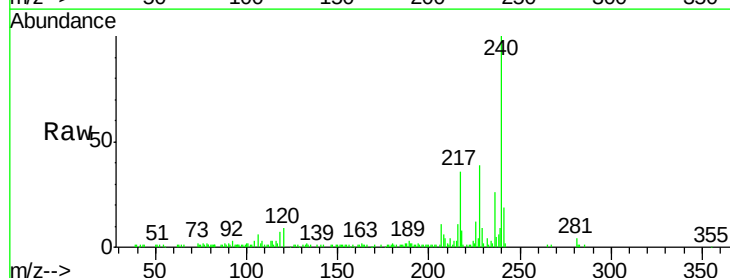


Time-->

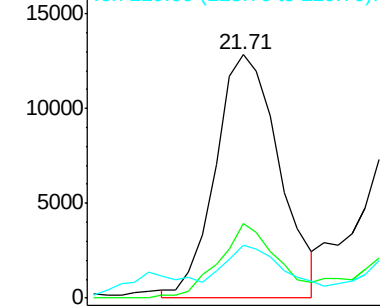


#85
Chrysene
Concen: 1.01 ng/ul
RT: 21.71 min Scan# 3212
Delta R.T. -0.07 min
Lab File: BG020494.D
Acq: 25 Dec 2015 5:03

Tgt Ion:228 Resp: 24691
Ion Ratio Lower Upper
228 100
226 30.4 23.9 35.9
229 21.8 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



Time-->

