

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121915\
 Data File : BG020293.D
 Acq On : 19 Dec 2015 2:54
 Operator : UM/SJ
 Sample : G4768-13
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N37

Quant Time: Dec 19 04:55:19 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	8.10	152	21000	20.00	ng/ul	0.00
18) Naphthalene-d8	10.96	136	90845	20.00	ng/ul	0.05
36) Acenaphthene-d10	14.73	164	58767	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.48	188	135516	20.00	ng/ul	0.01
78) Chrysene-d12	21.74	240	181481	20.00	ng/ul	0.00
86) Perylene-d12	25.02	264	167844	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.47	96	405	1.06	ng/uL	0.00
5) Phenol-d5	7.24	99	12579	6.79	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.41	67	34983	31.66	ng/ul	0.00
9) 2-Chlorophenol-d4	7.62	132	36483	27.09	ng/ul	0.00
13) 4-Methylphenol-d8	8.80	113	23815	15.04	ng/ul	0.00
19) Nitrobenzene-d5	9.27	128	23870	33.71	ng/ul	0.00
22) 2-Nitrophenol-d4	9.99	143	27877	35.38	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.54	165	46223	28.96	ng/ul	0.02
29) 4-Chloroaniline-d4	11.07	131	7320	4.08	ng/ul	0.03
44) Dimethylphthalate-d6	14.14	166	159480	33.55	ng/ul	0.01
47) Acenaphthylene-d8	14.42	160	188032	34.00	ng/ul	0.00
52) 4-Nitrophenol-d4	14.92	143	7148	8.38	ng/ul	0.00
58) Fluorene-d10	15.72	176	143216	33.22	ng/ul	0.01
63) 4,6-Dinitro-2-methylphenol	15.84	200	22822	28.41	ng/ul	0.01
71) Anthracene-d10	17.58	188	224880	36.01	ng/ul	0.01
79) Pyrene-d10	19.85	212	268219	31.71	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.79	264	317938	37.98	ng/ul	0.00

Target Compounds

						Qvalue
4) Benzaldehyde	7.23	77	1291	1.08	ng/ul#	1
11) 2-Methylphenol	8.53	108	2932	1.94	ng/ul	96
14) Acetophenone	8.92	105	8572	3.46	ng/ul#	89
16) 4-Methylphenol	8.86	108	4079	2.44	ng/ul	95
17) Hexachloroethane	9.20	117	3665	6.18	ng/ul#	1
24) 2,4-Dimethylphenol	10.08	107	34437	17.95	ng/ul	97
28) Naphthalene	11.06	128	10280102	2166.93	ng/ul#	38
30) 4-Chloroaniline	11.06	127	3030659	1655.84	ng/ul#	16
34) 2-Methylnaphthalene	12.58	142	1976303	545.38	ng/ul	100
35) 1-Methylnaphthalene	12.80	142	1194900	342.99	ng/ul#	96
41) 1,1'-Biphenyl	13.57	154	689826	155.59	ng/ul	98
46) 2,6-Dinitrotoluene	14.12	165	3565	3.55	ng/ul#	65
48) Acenaphthylene	14.45	152	469313	79.88	ng/ul	97
50) Acenaphthene	14.82	153	2304684	582.99	ng/ul#	90
53) 4-Nitrophenol	14.88	109	1363	1.66	ng/ul#	44
54) Dibenzofuran	15.14	168	1979768	336.65	ng/ul#	87
59) Fluorene	15.79	166	1448269	306.68	ng/ul#	98
61) 4-Nitroaniline	15.79	138	20620	19.56	ng/ul#	14
65) N-Nitrosodiphenylamine	15.98	169	5653	1.50	ng/ul#	1
70) Phenanthrene	17.53	178	2352040	317.31	ng/ul#	82
72) Anthracene	17.61	178	136086	18.10	ng/ul#	93
75) Carbazole	17.91	167	2814158	445.48	ng/ul#	82
77) Fluoranthene	19.52	202	438327	50.60	ng/ul	99

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121915\
Data File : BG020293.D
Acq On : 19 Dec 2015 2:54
Operator : UM/SJ
Sample : G4768-13
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
D9N37

Quant Time: Dec 19 04:55:19 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

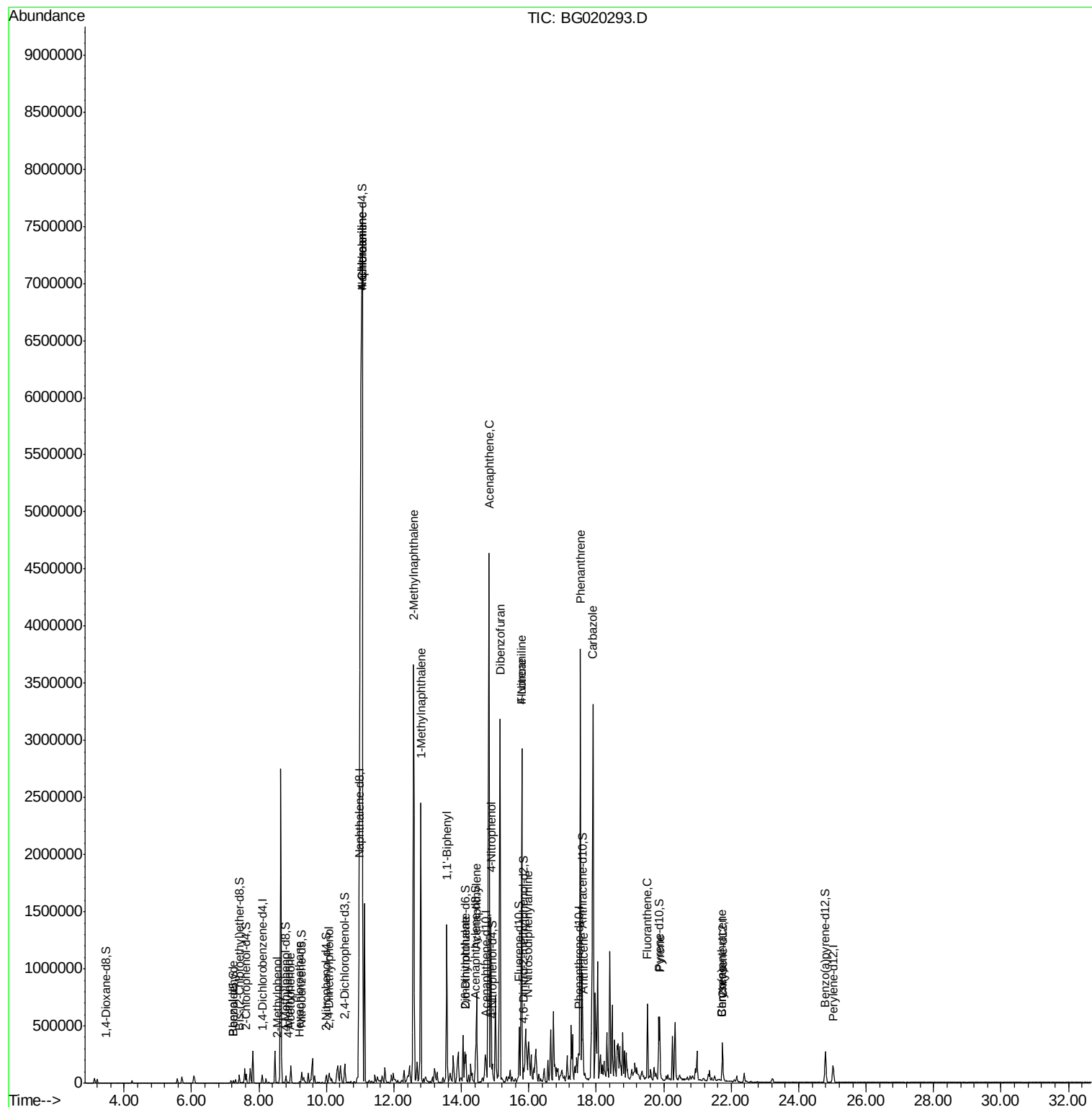
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) Pyrene	19.88	202	258684	23.55	ng/ul	97
83) Benzo(a)anthracene	21.72	228	11297	1.07	ng/ul	96
85) Chrysene	21.72	228	11297	1.13	ng/ul	95

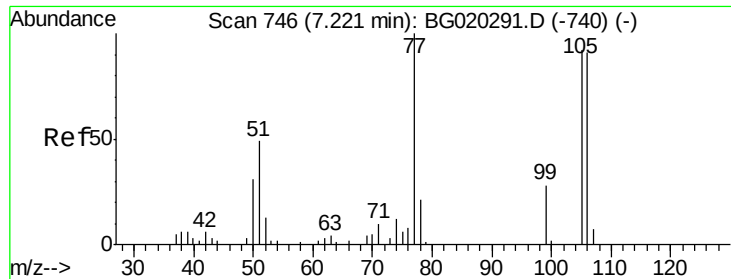
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121915\
Data File : BG020293.D
Acq On : 19 Dec 2015 2:54
Operator : UM/SJ
Sample : G4768-13
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
D9N37

Quant Time: Dec 19 04:55:19 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





#4

Benzaldehyde

Concen: 1.08 ng/ul

RT: 7.23 min Scan# 748

Delta R.T. 0.01 min

Lab File: BG020293.D

Acq: 19 Dec 2015 2:54

Instrument :

BNA_G

ClientSampleId :

D9N37

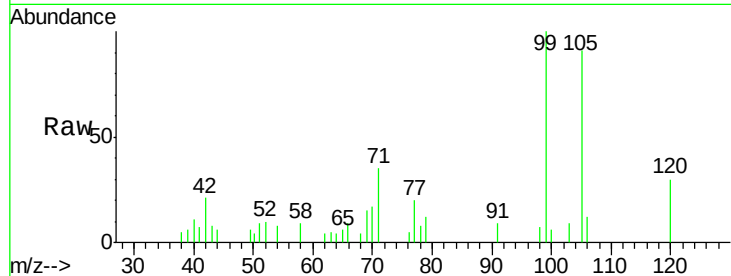
Tgt Ion: 77 Resp: 1291

Ion Ratio Lower Upper

77 100

105 449.8 77.8 116.6#

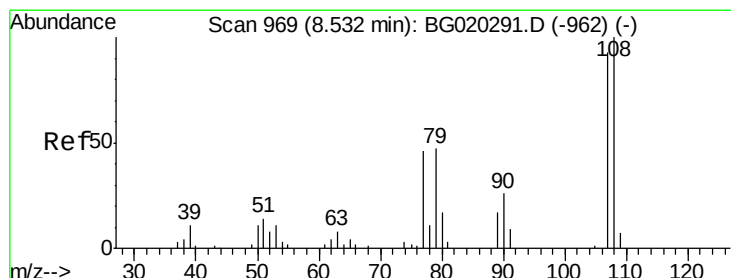
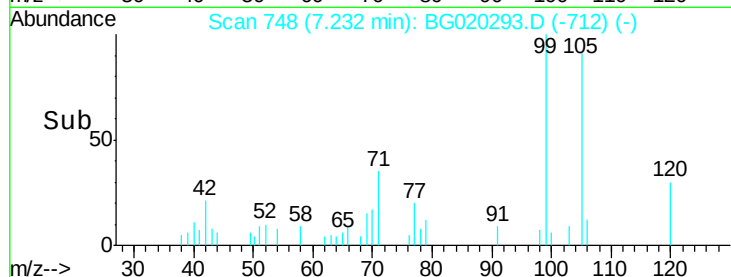
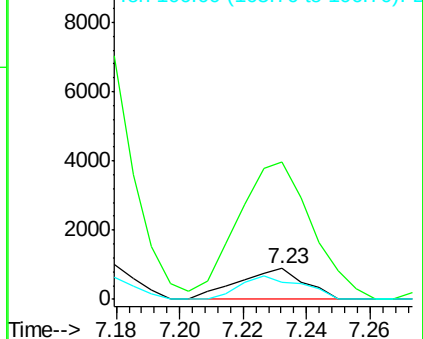
106 57.6 72.6 109.0#



Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 106.00 (105.70 to 106.70): BGC



#11

2-Methylphenol

Concen: 1.94 ng/ul

RT: 8.53 min Scan# 969

Delta R.T. -0.00 min

Lab File: BG020293.D

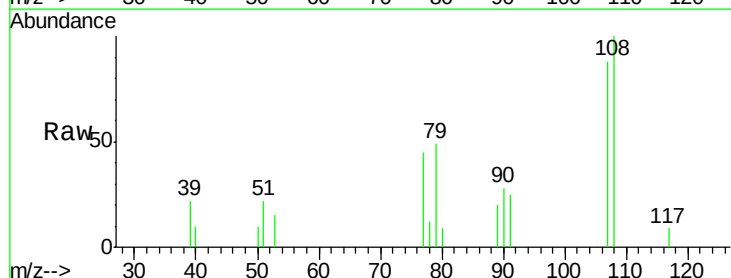
Acq: 19 Dec 2015 2:54

Tgt Ion: 108 Resp: 2932

Ion Ratio Lower Upper

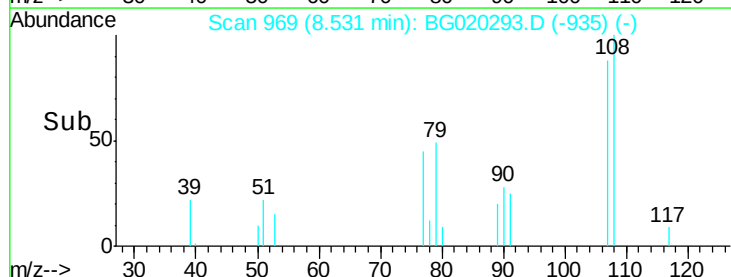
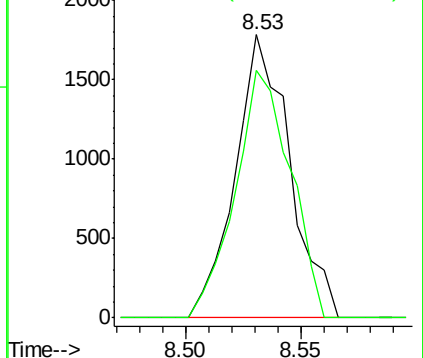
108 100

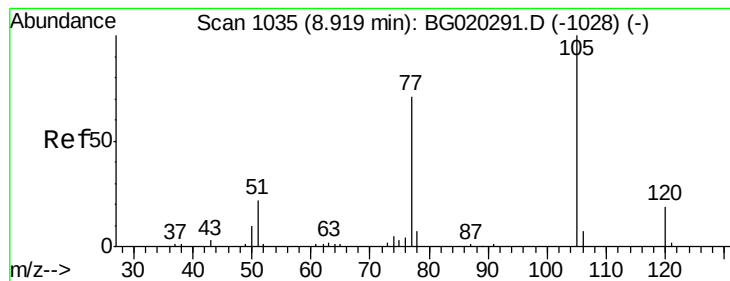
107 87.7 67.5 101.3



Abundance Ion 108.00 (107.70 to 108.70): BGC

Ion 107.00 (106.70 to 107.70): BGC





#14

Acetophenone

Concen: 3.46 ng/ul

RT: 8.92 min Scan# 1036

Delta R.T. 0.00 min

Lab File: BG020293.D

Acq: 19 Dec 2015 2:54

Instrument :

BNA_G

ClientSampleId :

D9N37

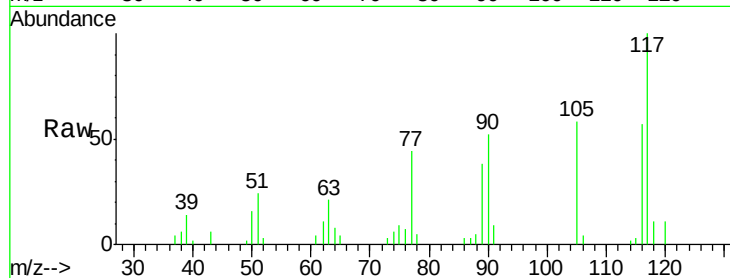
Tgt Ion:105 Resp: 8572

Ion Ratio Lower Upper

105 100

77 75.5 65.2 97.8

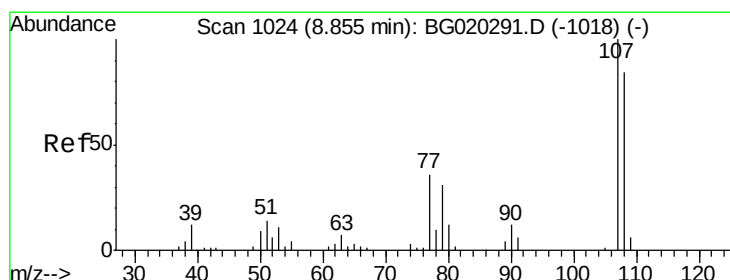
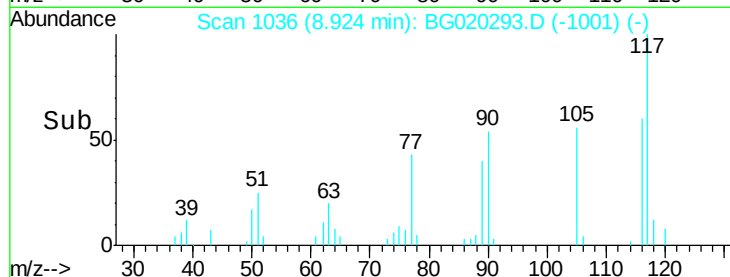
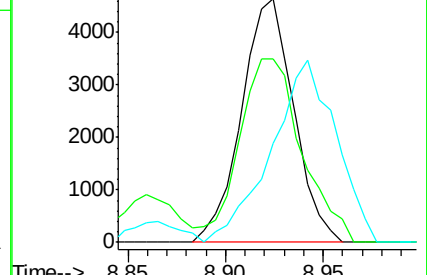
51 40.7 22.6 33.8#



Abundance Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BG

Ion 51.00 (50.70 to 51.70): BG



#16

4-Methylphenol

Concen: 2.44 ng/ul

RT: 8.86 min Scan# 1025

Delta R.T. 0.00 min

Lab File: BG020293.D

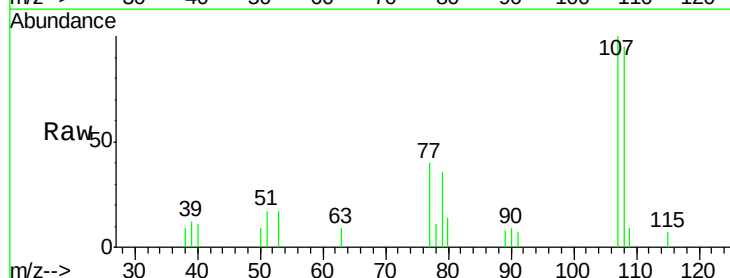
Acq: 19 Dec 2015 2:54

Tgt Ion:108 Resp: 4079

Ion Ratio Lower Upper

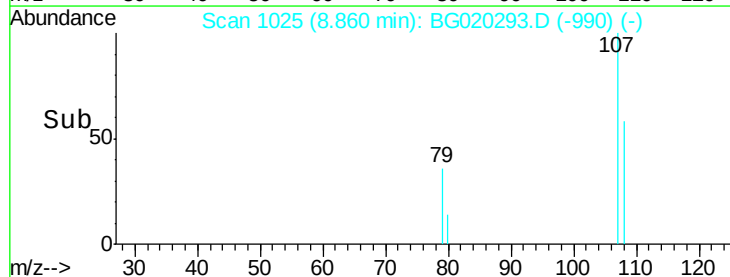
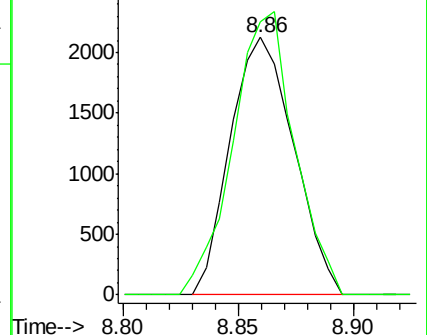
108 100

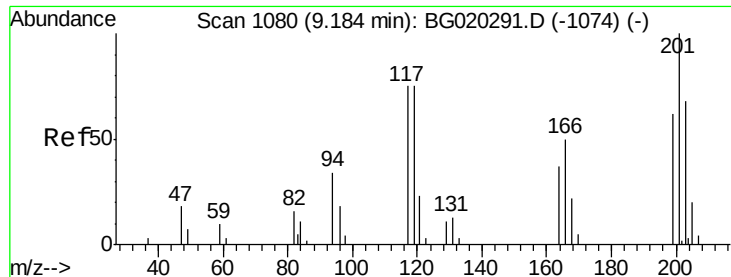
107 105.7 88.9 133.3



Abundance Ion 108.00 (107.70 to 108.70): E

Ion 107.00 (106.70 to 107.70): E





#17

Hexachloroethane

Concen: 6.18 ng/ul

RT: 9.20 min Scan# 1083

Delta R.T. 0.02 min

Lab File: BG020293.D

Acq: 19 Dec 2015 2:54

Instrument :

BNA_G

ClientSampleId :

D9N37

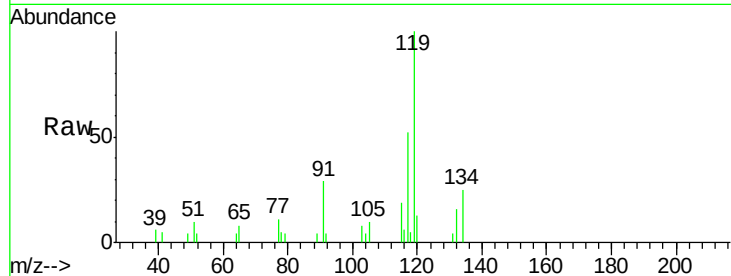
Tgt Ion:117 Resp: 3665

Ion Ratio Lower Upper

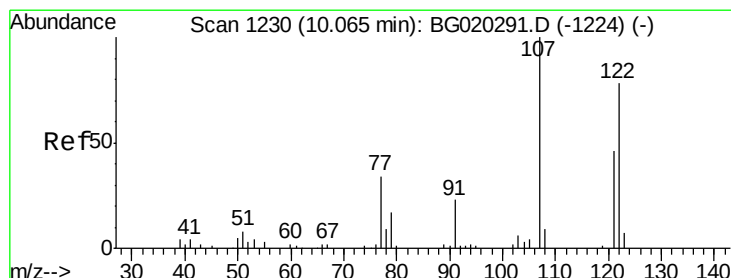
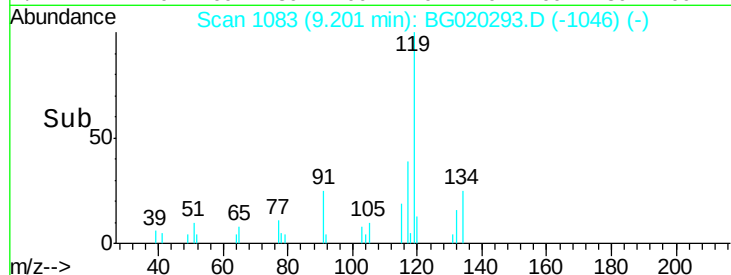
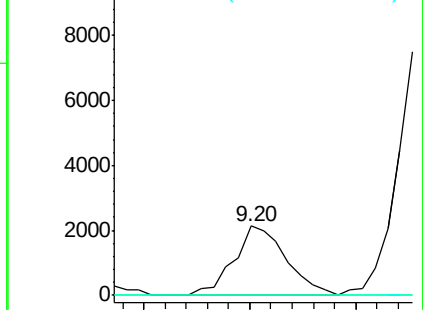
117 100

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



#24

2,4-Dimethylphenol

Concen: 17.95 ng/ul

RT: 10.08 min Scan# 1233

Delta R.T. 0.02 min

Lab File: BG020293.D

Acq: 19 Dec 2015 2:54

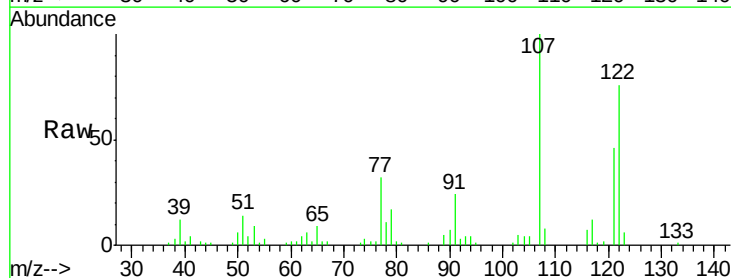
Tgt Ion:107 Resp: 34437

Ion Ratio Lower Upper

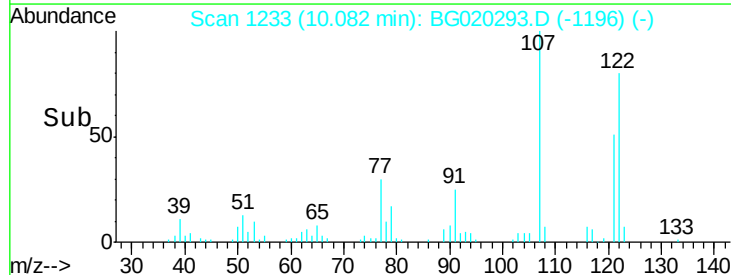
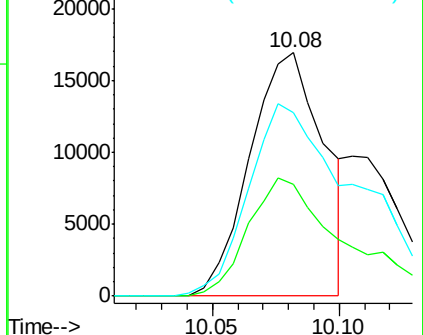
107 100

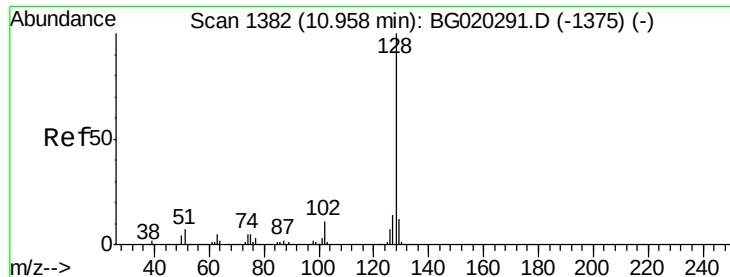
121 46.1 39.0 58.4

122 75.6 62.1 93.1



Abundance Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E
Ion 122.00 (121.70 to 122.70): E

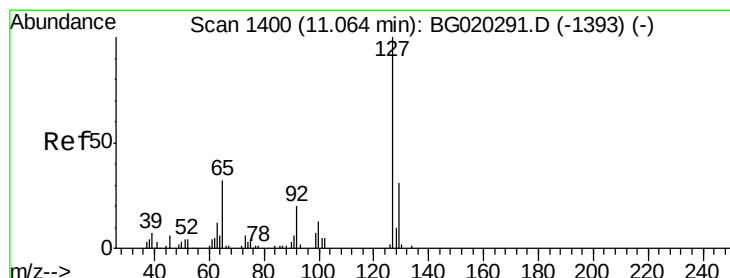
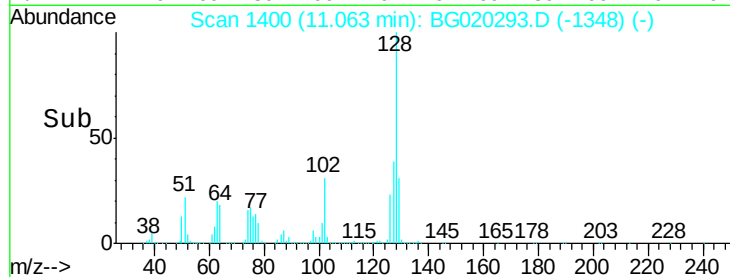
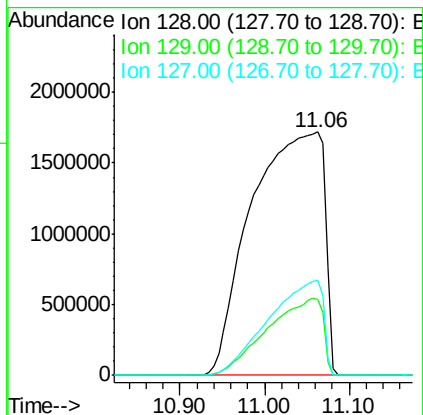
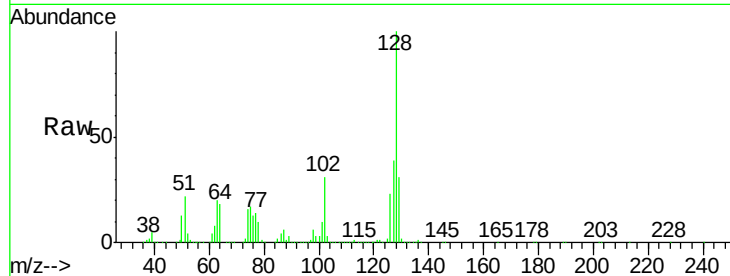




#28
Naphthalene
Concen: 2166.93 ng/ul
RT: 11.06 min Scan# 1400
Delta R.T. 0.10 min
Lab File: BG020293.D
Acq: 19 Dec 2015 2:54

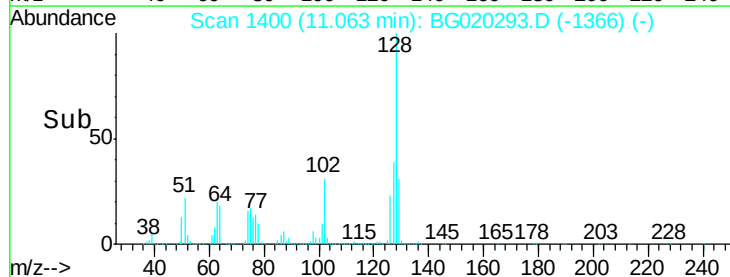
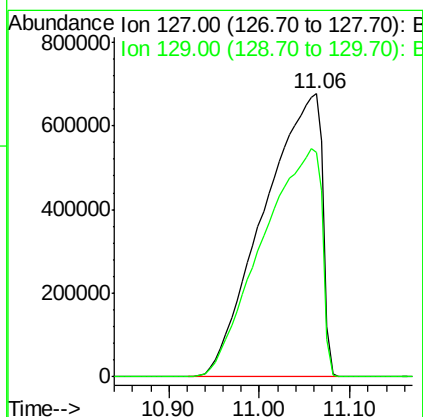
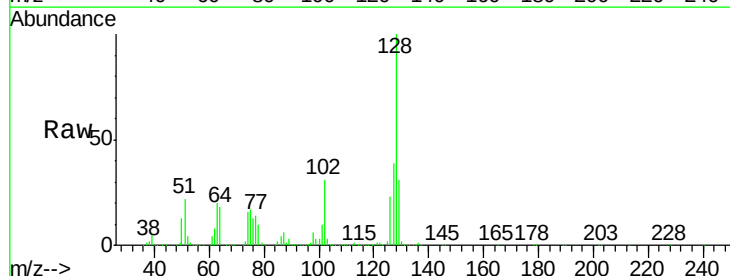
Instrument :
BNA_G
ClientSampleId :
D9N37

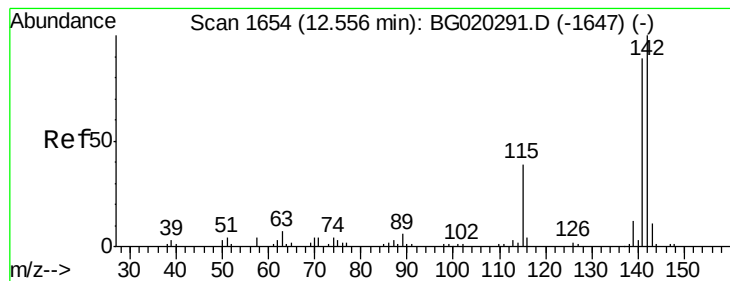
Tgt Ion:128 Resp:10280102
Ion Ratio Lower Upper
128 100
129 31.2 8.6 12.8#
127 39.3 10.1 15.1#



#30
4-Chloroaniline
Concen: 1655.84 ng/ul
RT: 11.06 min Scan# 1400
Delta R.T. -0.00 min
Lab File: BG020293.D
Acq: 19 Dec 2015 2:54

Tgt Ion:127 Resp: 3030659
Ion Ratio Lower Upper
127 100
129 79.3 25.7 38.5#





#34

2-Methylnaphthalene

Concen: 545.38 ng/ul

RT: 12.58 min Scan# 1659

Delta R.T. 0.03 min

Lab File: BG020293.D

Acq: 19 Dec 2015 2:54

Instrument :

BNA_G

ClientSampleId :

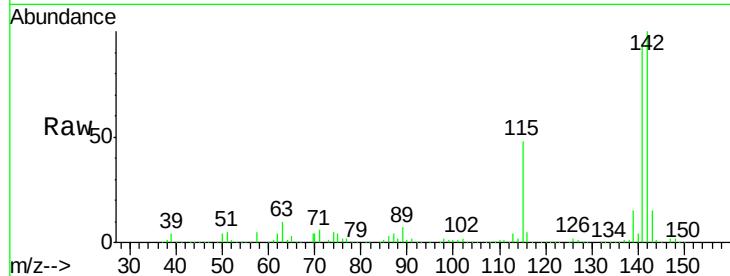
D9N37

Tgt Ion:142 Resp: 1976303

Ion Ratio Lower Upper

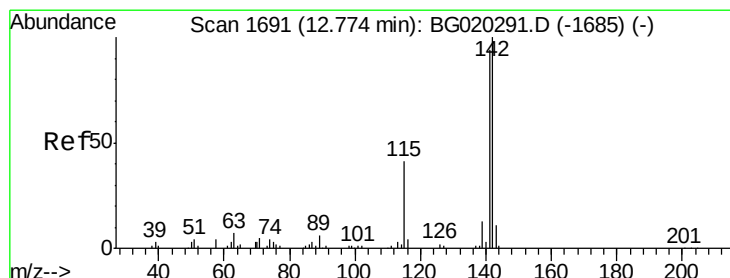
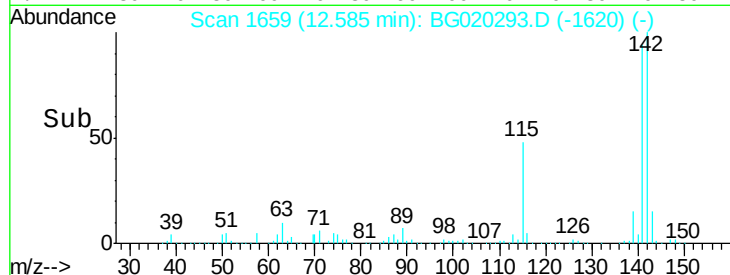
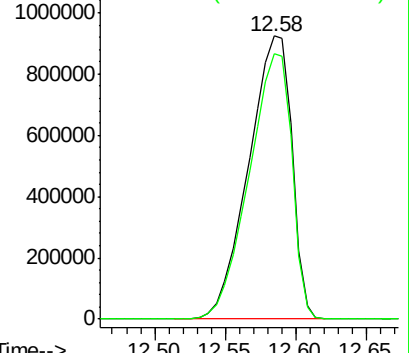
142 100

141 93.8 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: 342.99 ng/ul

RT: 12.80 min Scan# 1695

Delta R.T. 0.02 min

Lab File: BG020293.D

Acq: 19 Dec 2015 2:54

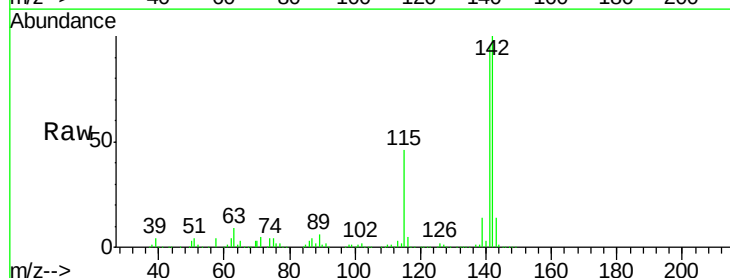
Tgt Ion:142 Resp: 1194900

Ion Ratio Lower Upper

142 100

141 95.2 73.0 109.6

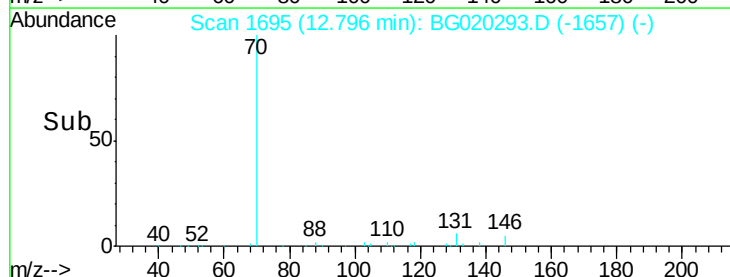
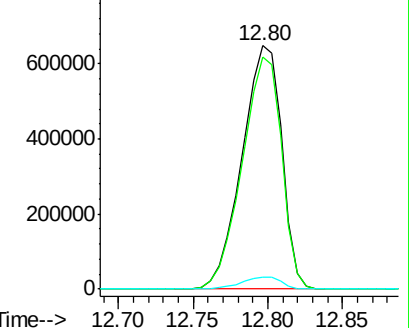
116 5.0 3.0 4.6#

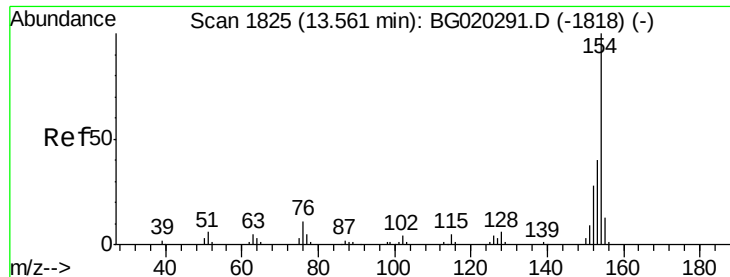


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E

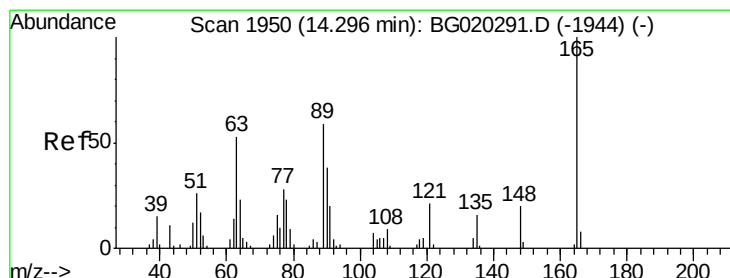
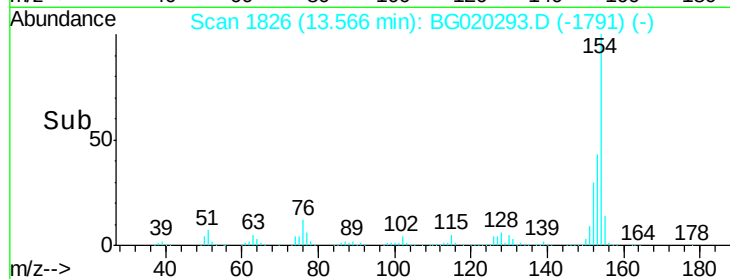
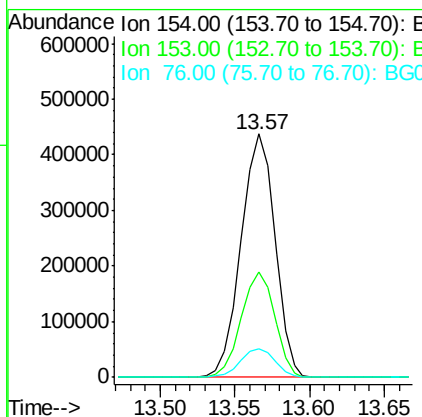
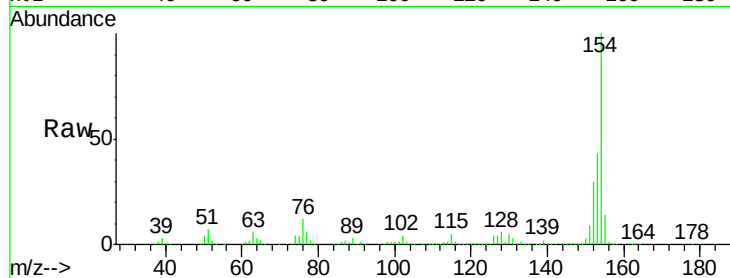




#41
 1,1'-Biphenyl
 Concen: 155.59 ng/ul
 RT: 13.57 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: BG020293.D
 Acq: 19 Dec 2015 2:54

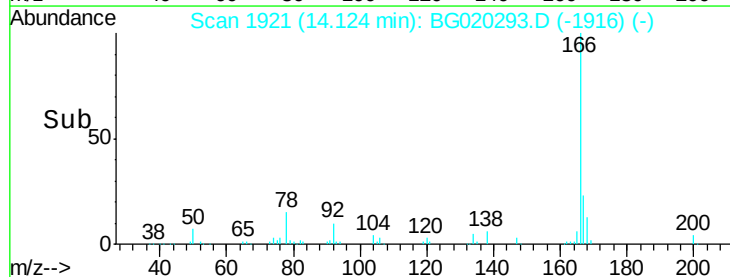
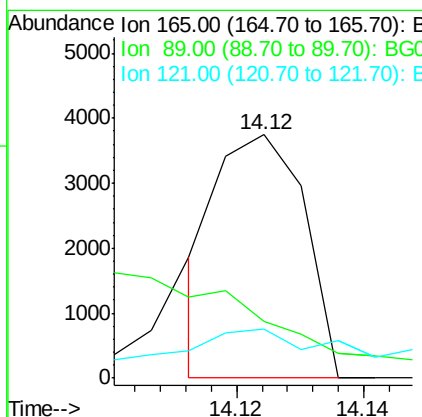
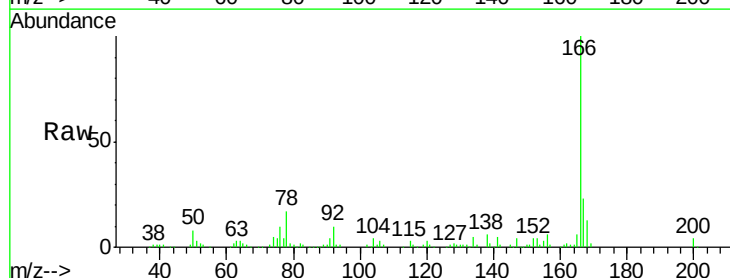
Instrument :
 BNA_G
 ClientSampleId :
 D9N37

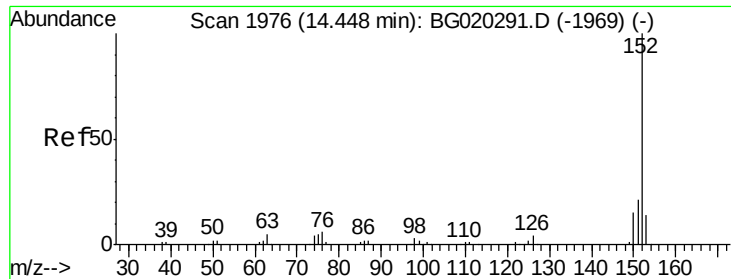
Tgt Ion	Ratio	Lower	Upper
154	100		
153	43.1	35.5	53.3
76	11.9	10.4	15.6



#46
 2,6-Dinitrotoluene
 Concen: 3.55 ng/ul
 RT: 14.12 min Scan# 1921
 Delta R.T. -0.17 min
 Lab File: BG020293.D
 Acq: 19 Dec 2015 2:54

Tgt Ion	Ratio	Lower	Upper
165	100		
89	23.4	47.0	70.4#
121	19.9	17.0	25.6





#48

Acenaphthylene

Concen: 79.88 ng/ul

RT: 14.45 min Scan# 1977

Delta R.T. 0.00 min

Lab File: BG020293.D

Acq: 19 Dec 2015 2:54

Instrument :

BNA_G

ClientSampleId :

D9N37

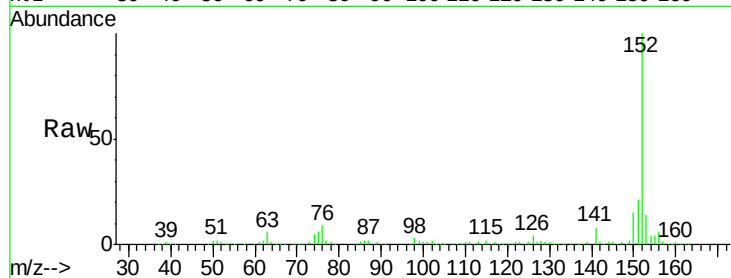
Tgt Ion:152 Resp: 469313

Ion Ratio Lower Upper

152 100

151 21.4 16.4 24.6

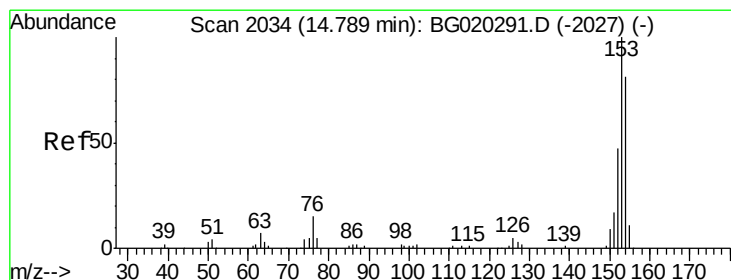
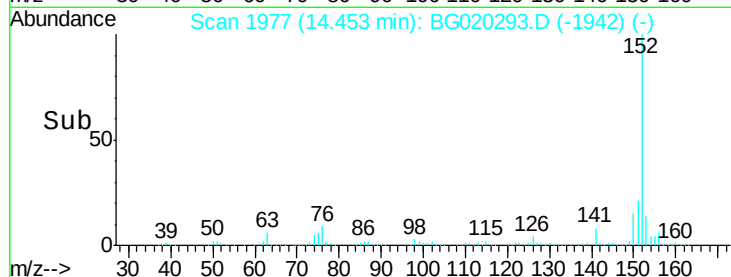
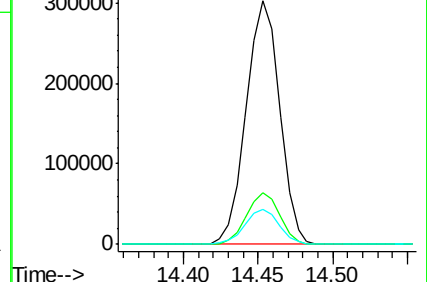
153 14.4 10.4 15.6



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: 582.99 ng/ul

RT: 14.82 min Scan# 2039

Delta R.T. 0.03 min

Lab File: BG020293.D

Acq: 19 Dec 2015 2:54

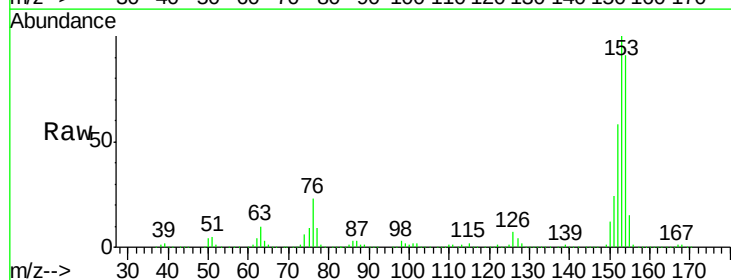
Tgt Ion:153 Resp: 2304684

Ion Ratio Lower Upper

153 100

152 58.2 37.6 56.4#

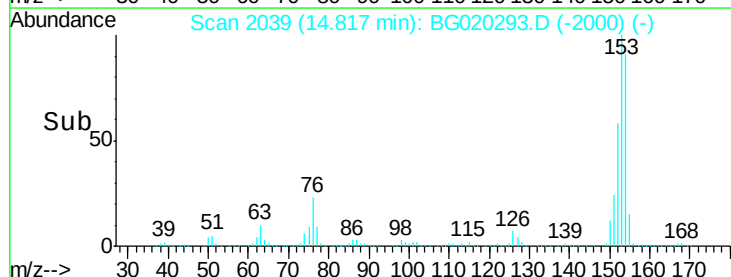
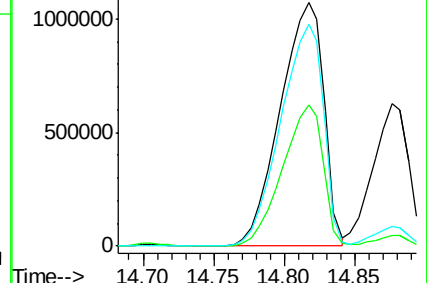
154 90.9 67.9 101.9

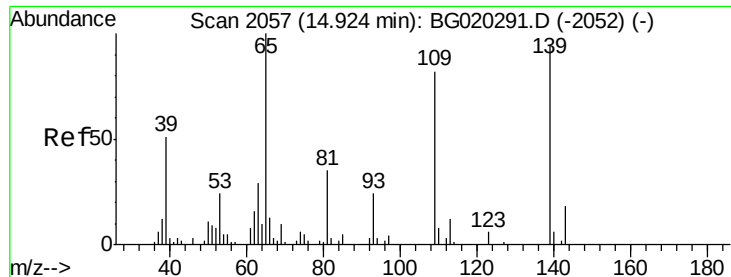


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#53

4-Nitrophenol

Concen: 1.66 ng/ul

RT: 14.88 min Scan# 2050

Delta R.T. -0.04 min

Lab File: BG020293.D

Acq: 19 Dec 2015 2:54

Instrument :

BNA_G

ClientSampleId :

D9N37

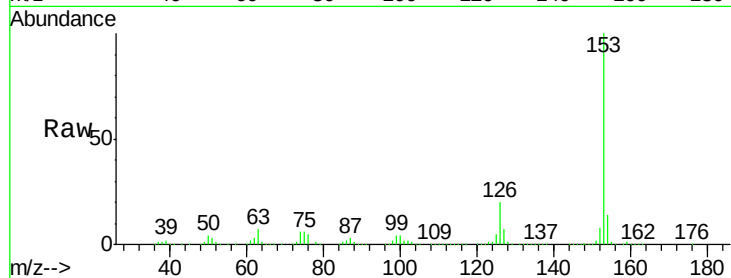
Tgt Ion:109 Resp: 1363

Ion Ratio Lower Upper

109 100

139 0.0 80.5 120.7#

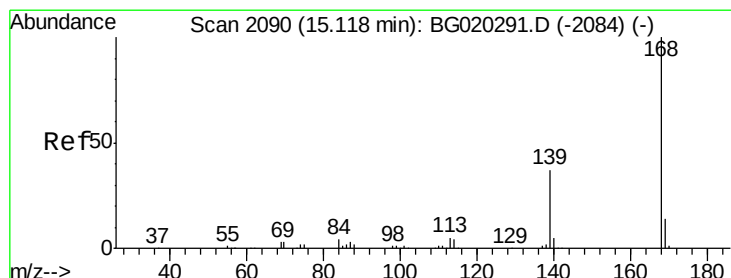
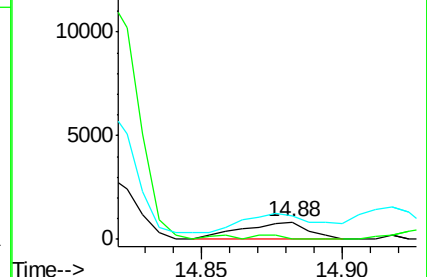
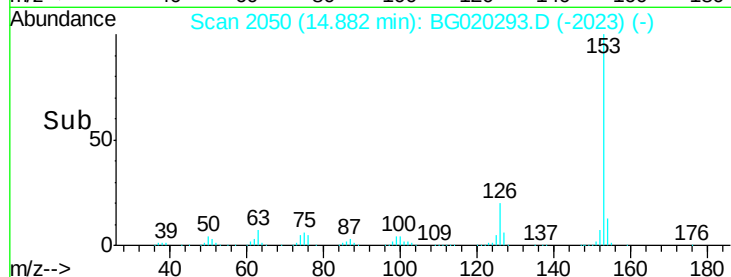
65 136.7 93.4 140.2



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): B



#54

Dibenzofuran

Concen: 336.65 ng/ul

RT: 15.14 min Scan# 2094

Delta R.T. 0.02 min

Lab File: BG020293.D

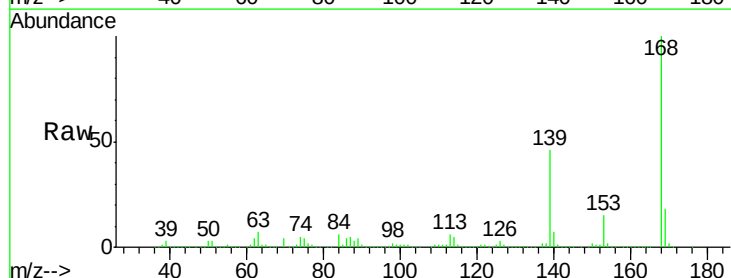
Acq: 19 Dec 2015 2:54

Tgt Ion:168 Resp: 1979768

Ion Ratio Lower Upper

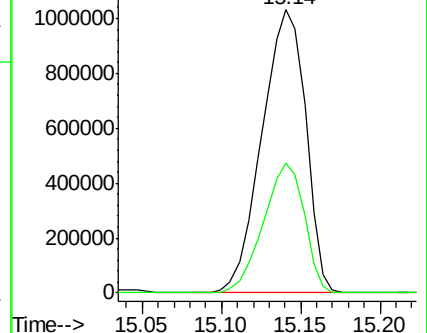
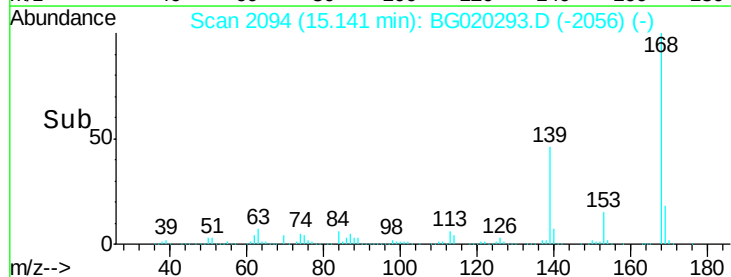
168 100

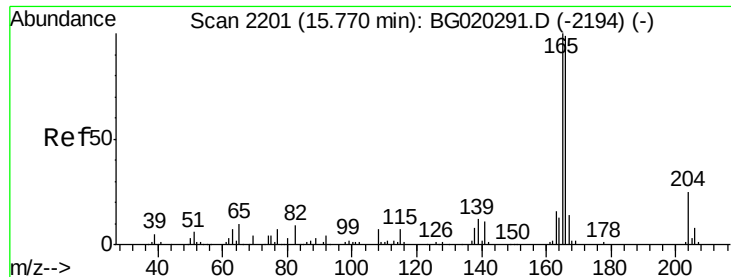
139 46.0 30.5 45.7#



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

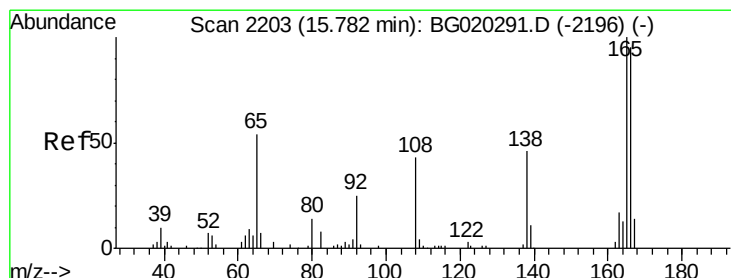
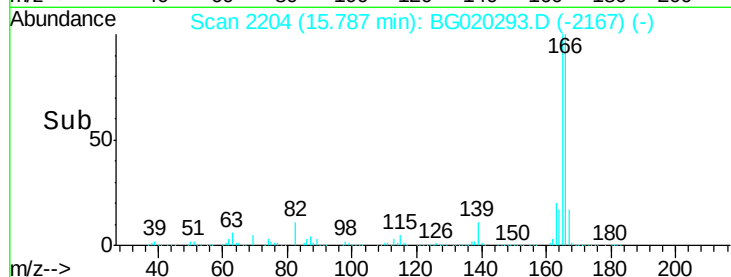
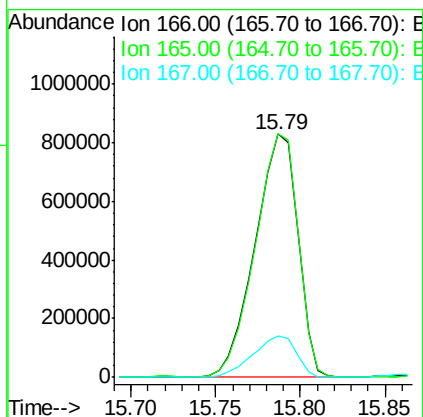
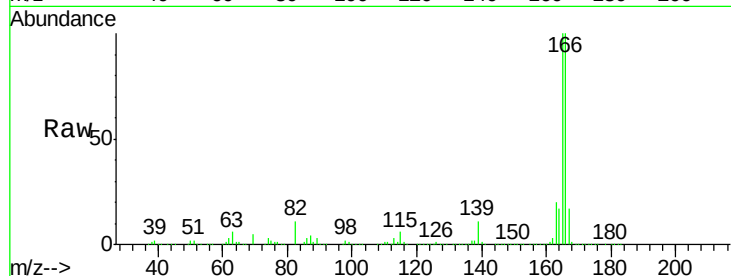




#59
 Fluorene
 Concen: 306.68 ng/ul
 RT: 15.79 min Scan# 2204
 Delta R.T. 0.02 min
 Lab File: BG020293.D
 Acq: 19 Dec 2015 2:54

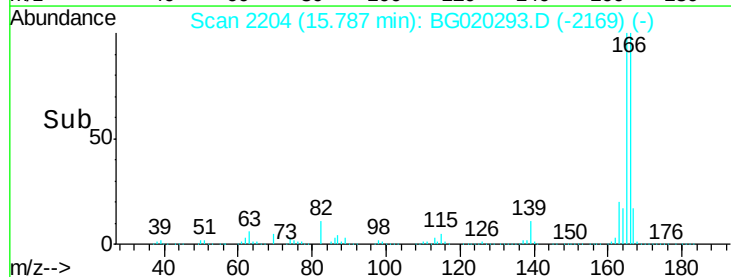
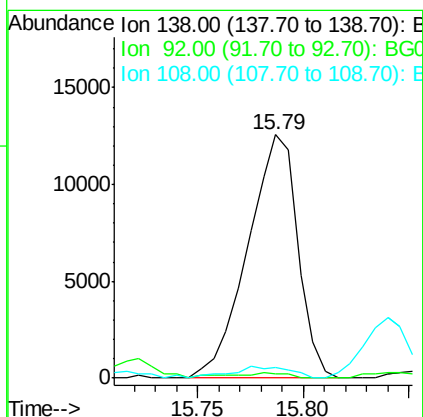
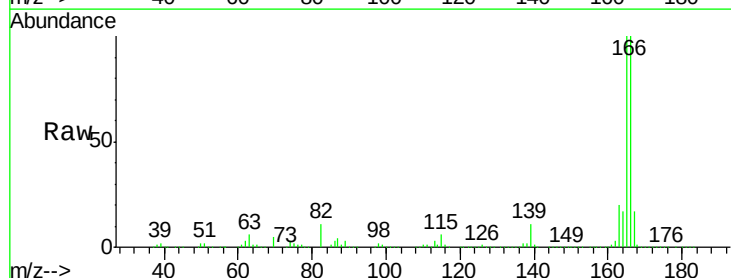
Instrument :
 BNA_G
 ClientSampled :
 D9N37

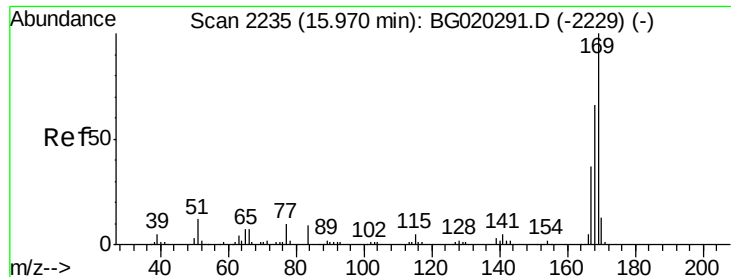
Tgt Ion:166 Resp: 1448269
 Ion Ratio Lower Upper
 166 100
 165 100.2 81.4 122.0
 167 17.0 11.2 16.8#



#61
 4-Nitroaniline
 Concen: 19.56 ng/ul
 RT: 15.79 min Scan# 2204
 Delta R.T. 0.00 min
 Lab File: BG020293.D
 Acq: 19 Dec 2015 2:54

Tgt Ion:138 Resp: 20620
 Ion Ratio Lower Upper
 138 100
 92 1.6 45.2 67.8#
 108 4.5 75.4 113.0#





#65

N-Nitrosodiphenylamine

Concen: 1.50 ng/ul

RT: 15.98 min Scan# 2237

Delta R.T. 0.01 min

Lab File: BG020293.D

Acq: 19 Dec 2015 2:54

Instrument :

BNA_G

ClientSampleId :

D9N37

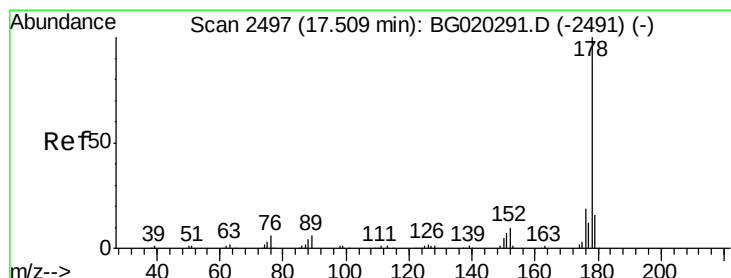
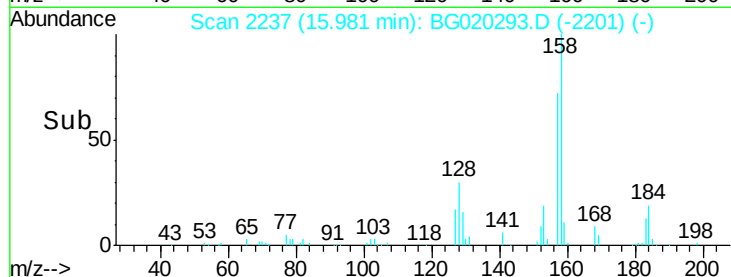
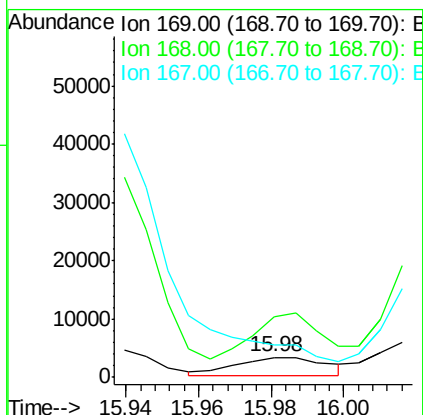
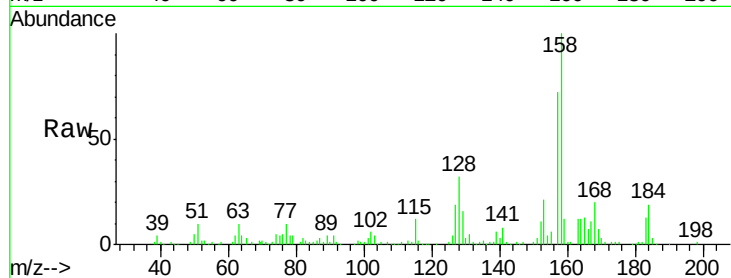
Tgt Ion:169 Resp: 5653

Ion Ratio Lower Upper

169 100

168 300.6 54.3 81.5#

167 161.6 31.8 47.8#



#70

Phenanthrene

Concen: 317.31 ng/ul

RT: 17.53 min Scan# 2501

Delta R.T. 0.02 min

Lab File: BG020293.D

Acq: 19 Dec 2015 2:54

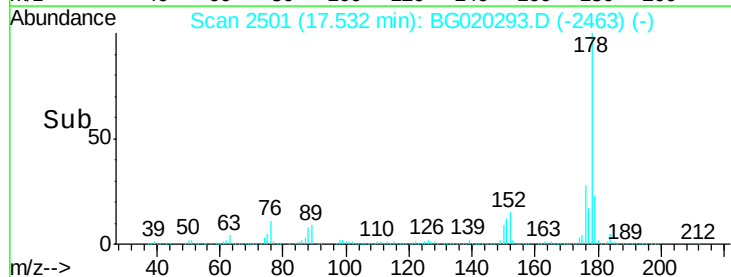
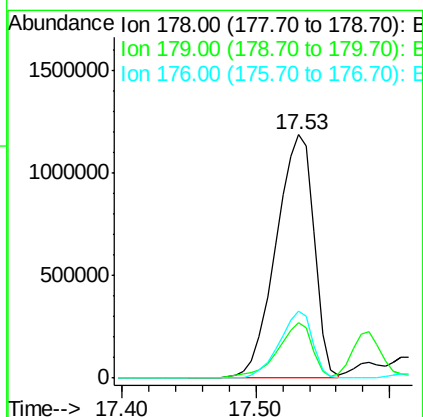
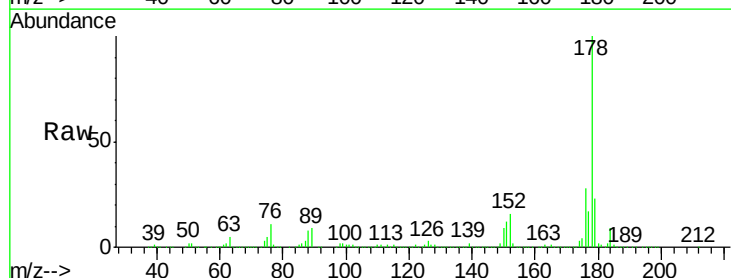
Tgt Ion:178 Resp: 2352040

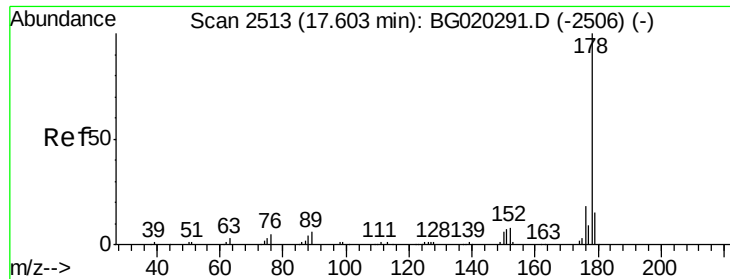
Ion Ratio Lower Upper

178 100

179 23.0 12.9 19.3#

176 27.7 15.3 22.9#

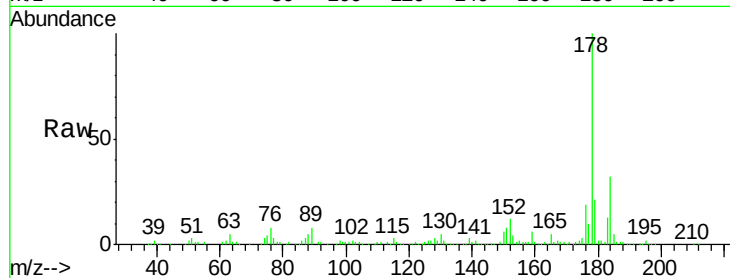




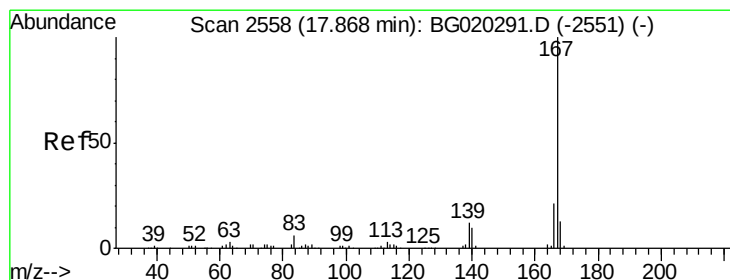
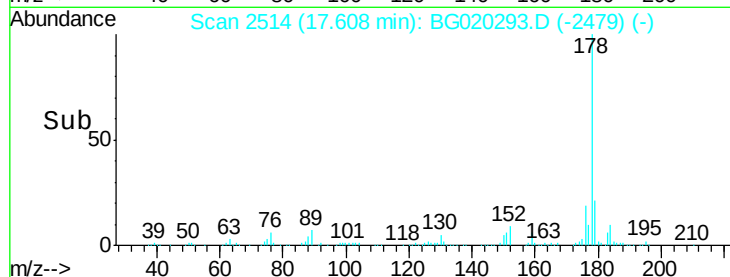
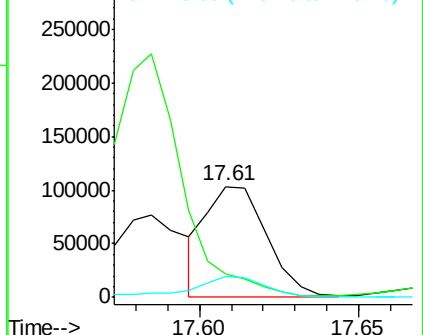
#72
 Anthracene
 Concen: 18.10 ng/ul
 RT: 17.61 min Scan# 2514
 Delta R.T. 0.00 min
 Lab File: BG020293.D
 Acq: 19 Dec 2015 2:54

Instrument :
 BNA_G
 ClientSampleId :
 D9N37

Tgt Ion:178 Resp: 136086
 Ion Ratio Lower Upper
 178 100
 179 20.9 12.3 18.5#
 176 18.6 14.3 21.5

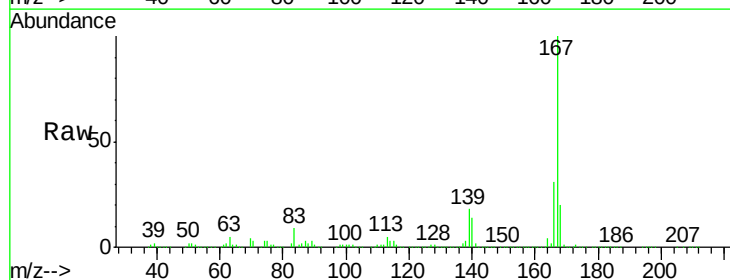


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E

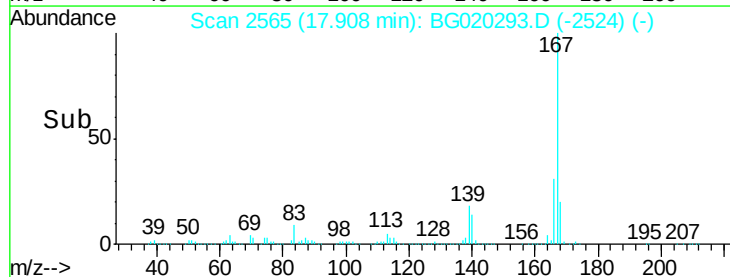
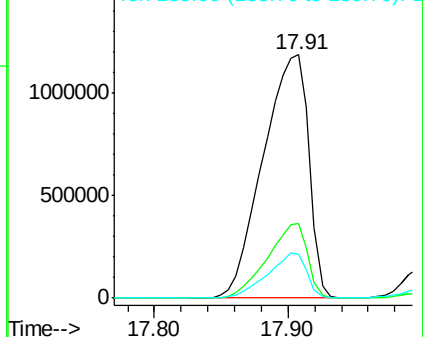


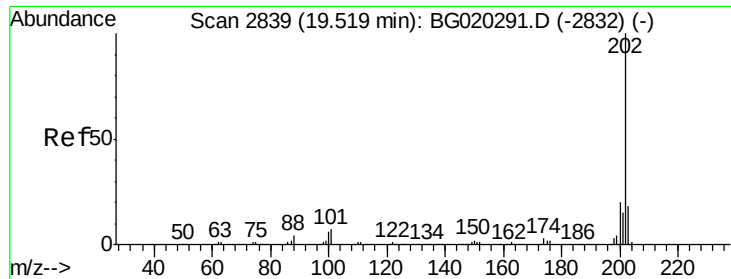
#75
 Carbazole
 Concen: 445.48 ng/ul
 RT: 17.91 min Scan# 2565
 Delta R.T. 0.04 min
 Lab File: BG020293.D
 Acq: 19 Dec 2015 2:54

Tgt Ion:167 Resp: 2814158
 Ion Ratio Lower Upper
 167 100
 166 30.8 17.0 25.6#
 139 18.1 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

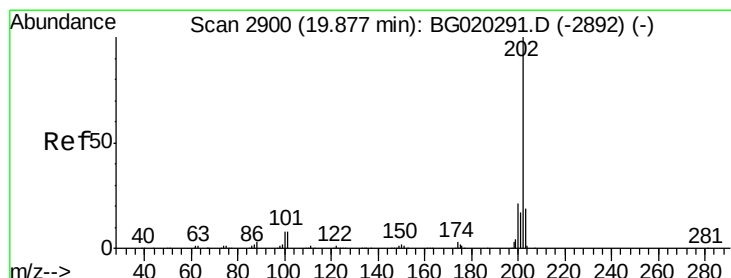
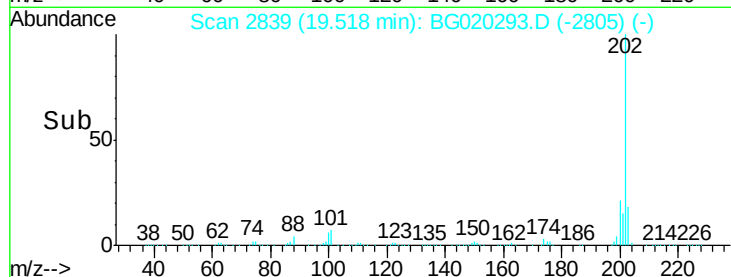
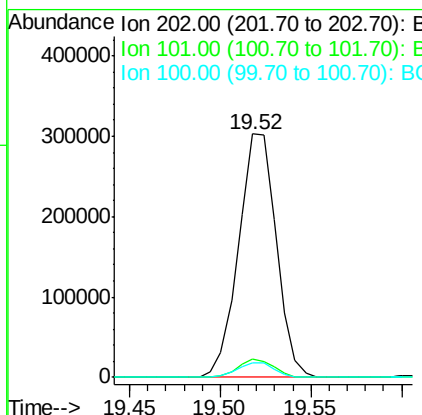
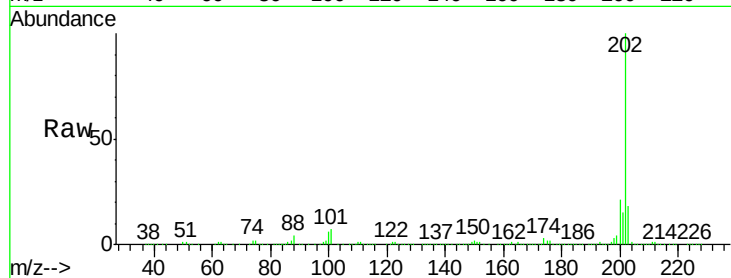




#77
Fluoranthene
Concen: 50.60 ng/ul
RT: 19.52 min Scan# 2839
Delta R.T. -0.00 min
Lab File: BG020293.D
Acq: 19 Dec 2015 2:54

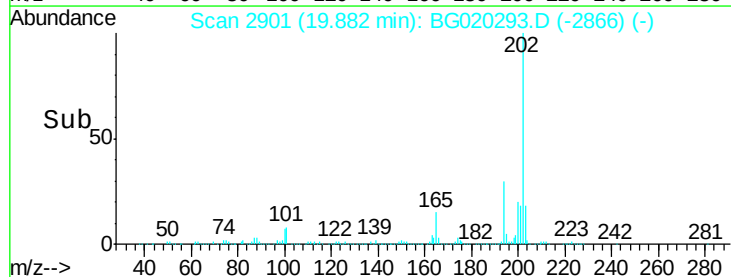
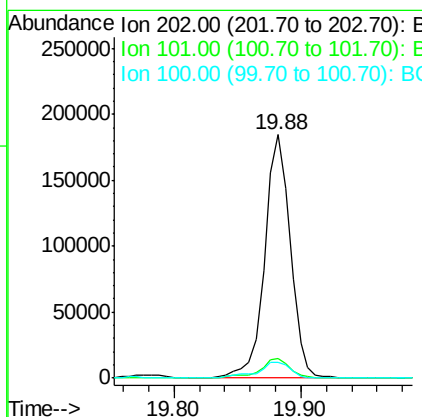
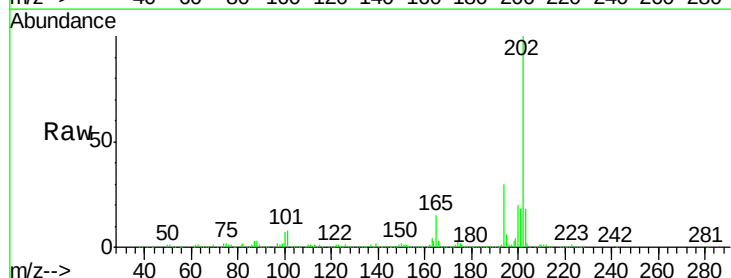
Instrument :
BNA_G
ClientSampleId :
D9N37

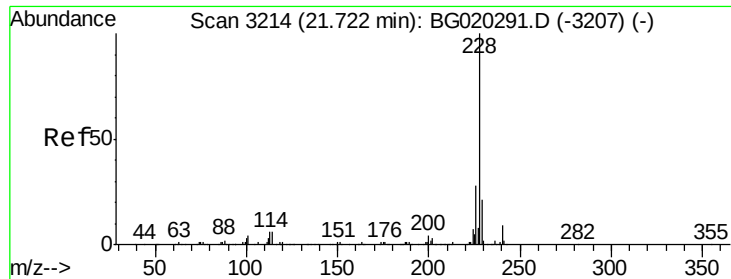
Tgt Ion	Ratio	Lower	Upper
202	100		
101	7.4	6.2	9.4
100	6.0	5.1	7.7



#80
Pyrene
Concen: 23.55 ng/ul
RT: 19.88 min Scan# 2901
Delta R.T. 0.00 min
Lab File: BG020293.D
Acq: 19 Dec 2015 2:54

Tgt Ion	Ratio	Lower	Upper
202	100		
101	7.9	7.0	10.4
100	6.7	6.4	9.6





#83

Benzo(a)anthracene

Concen: 1.07 ng/ul

RT: 21.72 min Scan# 3214

Delta R.T. -0.00 min

Lab File: BG020293.D

Acq: 19 Dec 2015 2:54

Instrument :

BNA_G

ClientSampleId :

D9N37

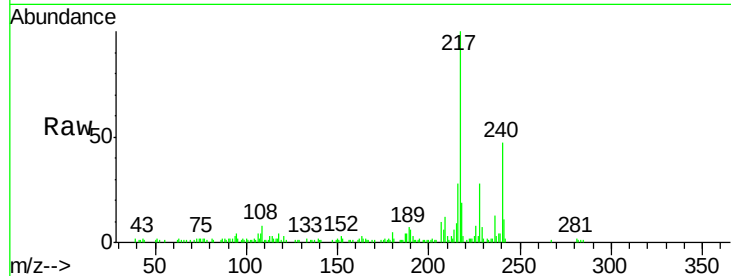
Tgt Ion:228 Resp: 11297

Ion Ratio Lower Upper

228 100

229 23.0 15.8 23.8

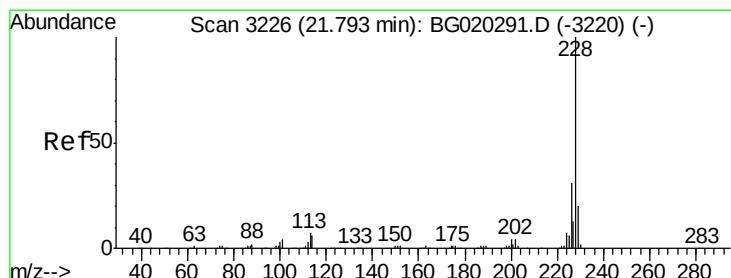
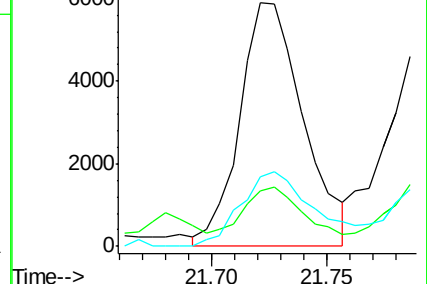
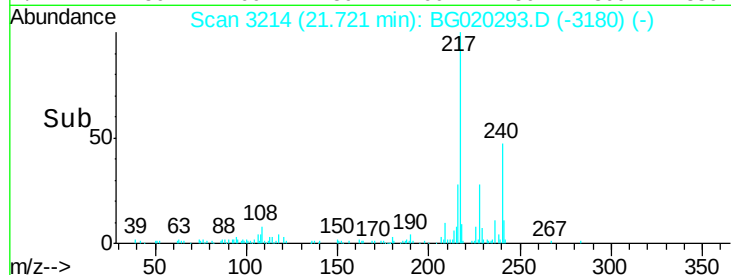
226 28.3 21.8 32.6



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: 1.13 ng/ul

RT: 21.72 min Scan# 3214

Delta R.T. -0.07 min

Lab File: BG020293.D

Acq: 19 Dec 2015 2:54

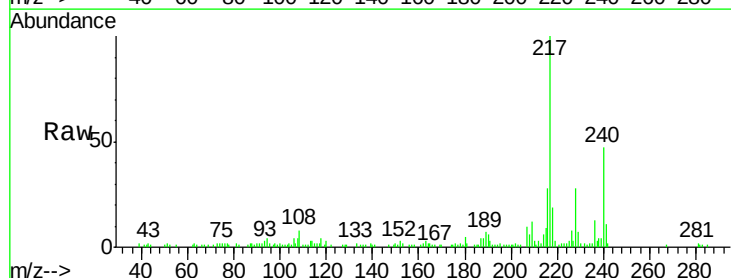
Tgt Ion:228 Resp: 11297

Ion Ratio Lower Upper

228 100

226 28.3 23.9 35.9

229 23.0 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

