

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121915\
 Data File : BG020296.D
 Acq On : 19 Dec 2015 4:51
 Operator : UM/SJ
 Sample : G4768-16
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N40

Quant Time: Dec 20 03:22:44 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	17339	20.00	ng/ul	0.00
18) Naphthalene-d8	10.92	136	75163	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.72	164	53367	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.47	188	131526	20.00	ng/ul	0.00
78) Chrysene-d12	21.74	240	175661	20.00	ng/ul	0.00
86) Perylene-d12	25.02	264	165313	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.47	96	328	1.04	ng/uL	0.00
5) Phenol-d5	7.24	99	10503	6.87	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.41	67	26720	29.29	ng/ul	0.00
9) 2-Chlorophenol-d4	7.62	132	28610	25.73	ng/ul	0.00
13) 4-Methylphenol-d8	8.79	113	20333	15.55	ng/ul	0.00
19) Nitrobenzene-d5	9.26	128	18403	31.41	ng/ul	0.00
22) 2-Nitrophenol-d4	9.99	143	21748	33.36	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.52	165	37936	28.73	ng/ul	0.00
29) 4-Chloroaniline-d4	11.02	131	1943	1.31	ng/ul	-0.02
44) Dimethylphthalate-d6	14.12	166	136491	31.62	ng/ul	0.00
47) Acenaphthylene-d8	14.42	160	156644	31.19	ng/ul	0.00
52) 4-Nitrophenol-d4	14.91	143	5108	6.60	ng/ul	0.00
58) Fluorene-d10	15.72	176	121552	31.04	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.83	200	21534	27.62	ng/ul	0.00
71) Anthracene-d10	17.57	188	195188	32.21	ng/ul	0.00
79) Pyrene-d10	19.85	212	242954	29.67	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.79	264	266755	32.35	ng/ul	0.00

Target Compounds

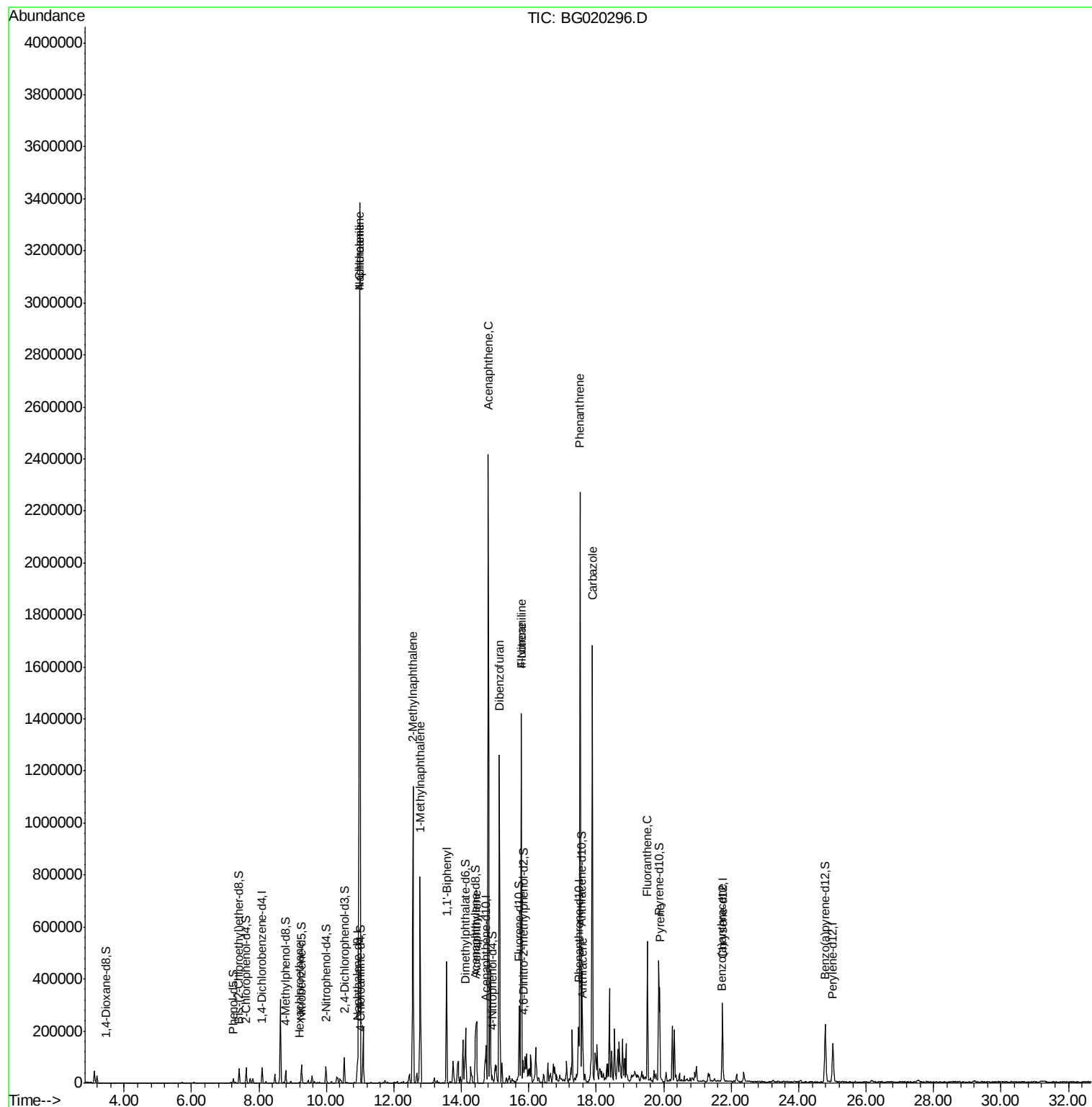
						Qvalue
17) Hexachloroethane	9.21	117	914	1.87	ng/ul#	1
28) Naphthalene	10.99	128	3165475	806.46	ng/ul#	82
30) 4-Chloroaniline	10.99	127	559051	369.17	ng/ul#	8
34) 2-Methylnaphthalene	12.57	142	558817	186.39	ng/ul	98
35) 1-Methylnaphthalene	12.78	142	367865	127.62	ng/ul#	98
41) 1,1'-Biphenyl	13.56	154	245937	61.08	ng/ul	95
48) Acenaphthylene	14.45	152	135751	25.44	ng/ul	96
50) Acenaphthene	14.80	153	1066434	297.06	ng/ul	96
54) Dibenzofuran	15.13	168	791888	148.28	ng/ul	98
59) Fluorene	15.78	166	666174	155.34	ng/ul	98
61) 4-Nitroaniline	15.78	138	8823	9.22	ng/ul#	12
70) Phenanthrene	17.52	178	1479716	205.68	ng/ul	93
72) Anthracene	17.60	178	89633	12.28	ng/ul	98
75) Carbazole	17.88	167	1219623	198.92	ng/ul	95
77) Fluoranthene	19.52	202	352821	41.96	ng/ul	97
80) Pyrene	19.88	202	206308	19.41	ng/ul	98
83) Benzo(a)anthracene	21.72	228	10313	1.01	ng/ul	100

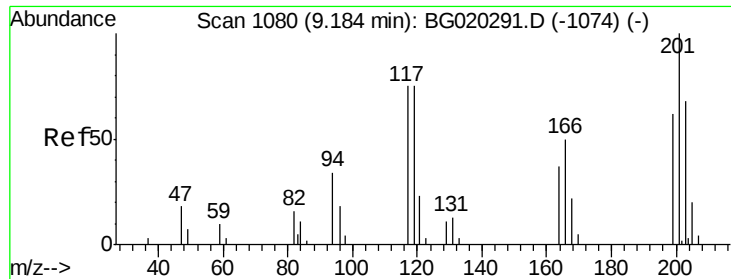
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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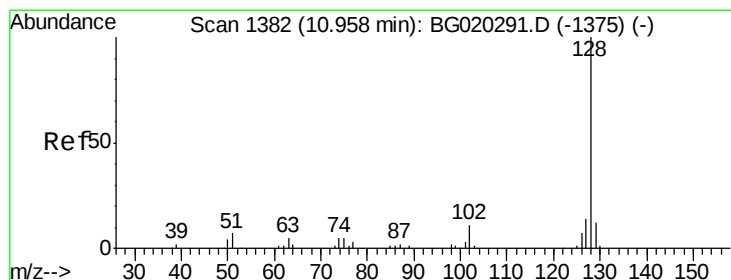
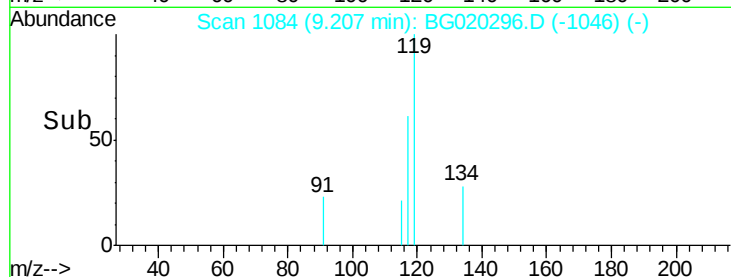
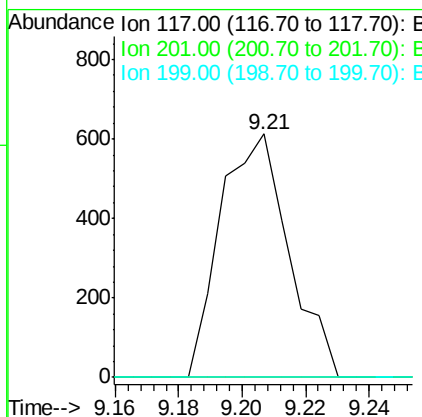
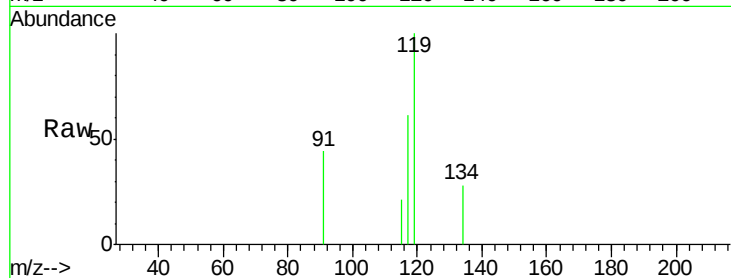




#17
 Hexachloroethane
 Concen: 1.87 ng/ul
 RT: 9.21 min Scan# 1084
 Delta R.T. 0.02 min
 Lab File: BG020296.D
 Acq: 19 Dec 2015 4:51

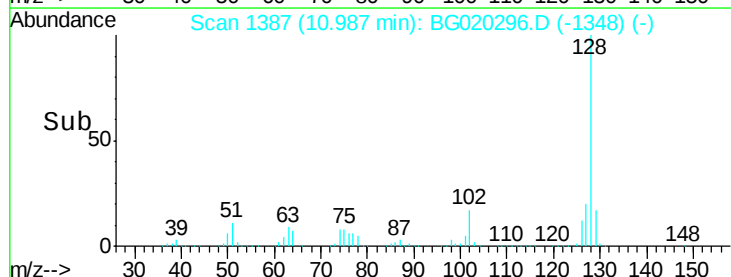
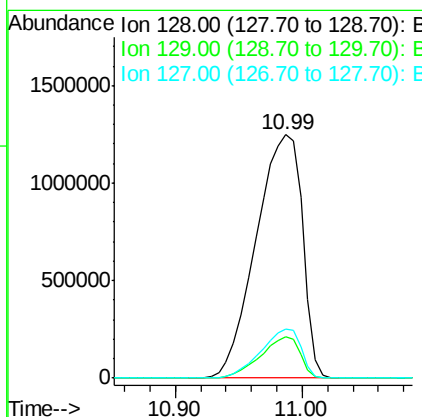
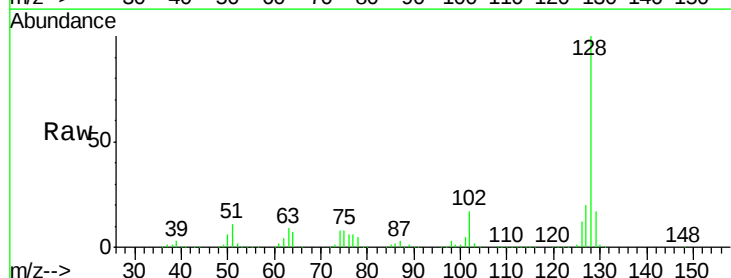
Instrument :
 BNA_G
 ClientSampleId :
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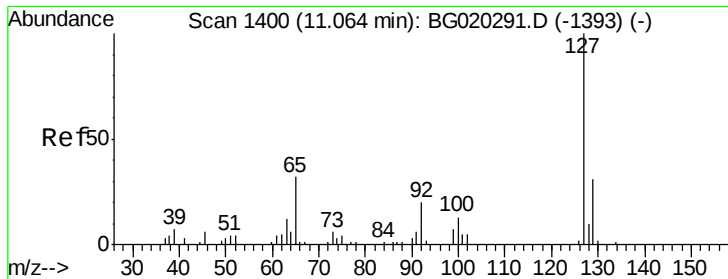
Tgt Ion:117 Resp: 914
 Ion Ratio Lower Upper
 117 100
 201 0.0 102.7 154.1#
 199 0.0 65.8 98.8#



#28
 Naphthalene
 Concen: 806.46 ng/ul
 RT: 10.99 min Scan# 1387
 Delta R.T. 0.03 min
 Lab File: BG020296.D
 Acq: 19 Dec 2015 4:51

Tgt Ion:128 Resp: 3165475
 Ion Ratio Lower Upper
 128 100
 129 17.0 8.6 12.8#
 127 20.4 10.1 15.1#

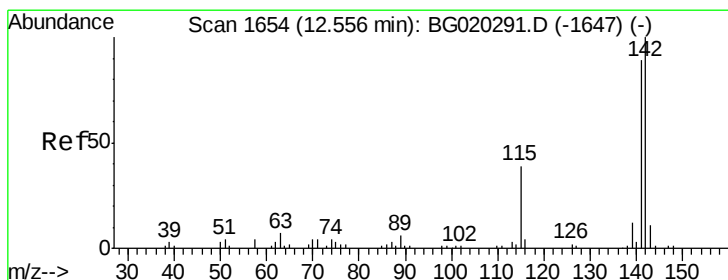
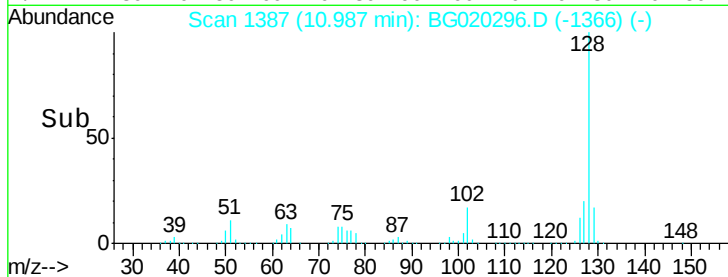
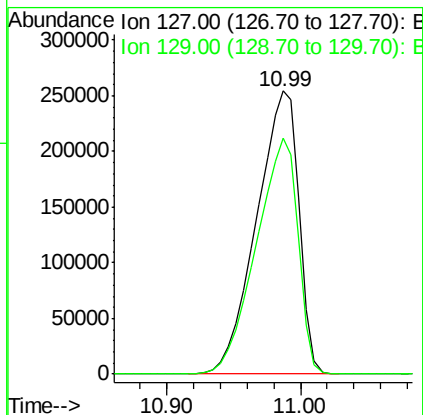
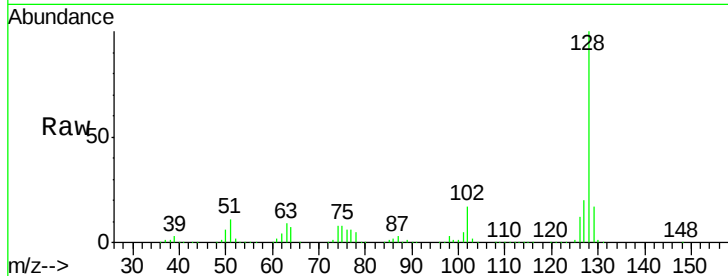




#30
 4-Chloroaniline
 Concen: 369.17 ng/ul
 RT: 10.99 min Scan# 1387
 Delta R.T. -0.08 min
 Lab File: BG020296.D
 Acq: 19 Dec 2015 4:51

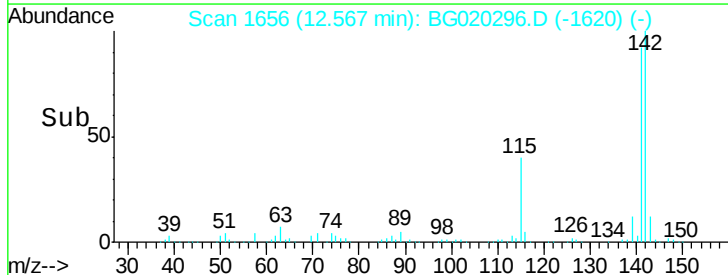
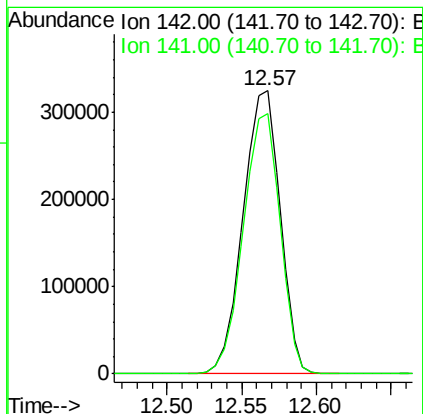
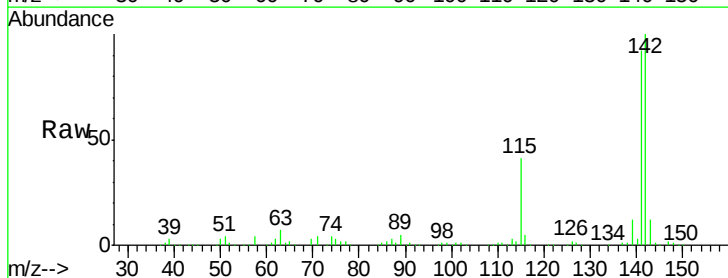
Instrument :
 BNA_G
 ClientSampleId :
 D9N40

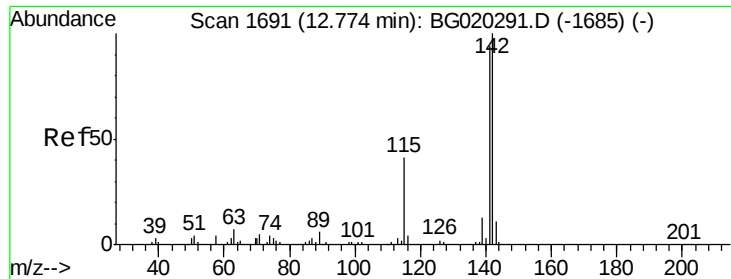
Tgt Ion:127 Resp: 559051
 Ion Ratio Lower Upper
 127 100
 129 83.5 25.7 38.5#



#34
 2-Methylnaphthalene
 Concen: 186.39 ng/ul
 RT: 12.57 min Scan# 1656
 Delta R.T. 0.01 min
 Lab File: BG020296.D
 Acq: 19 Dec 2015 4:51

Tgt Ion:142 Resp: 558817
 Ion Ratio Lower Upper
 142 100
 141 91.9 74.9 112.3

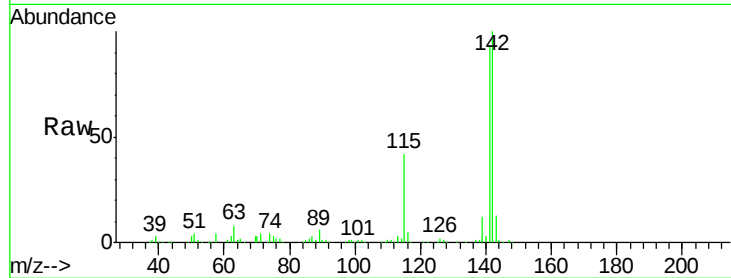




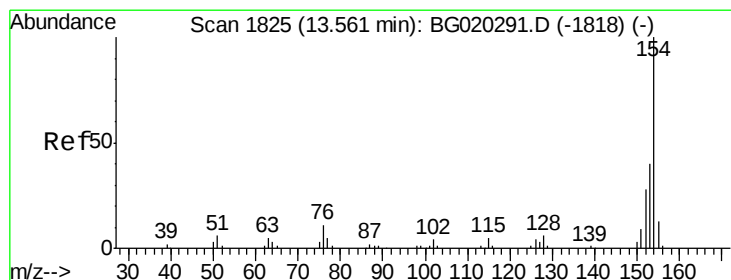
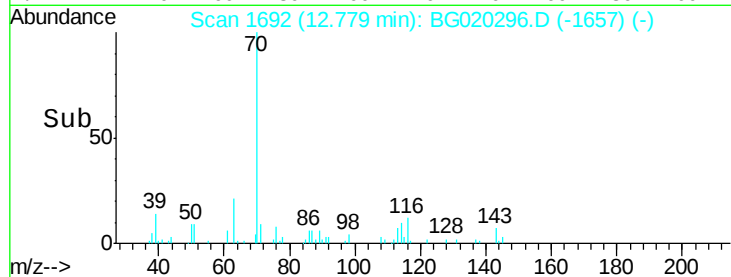
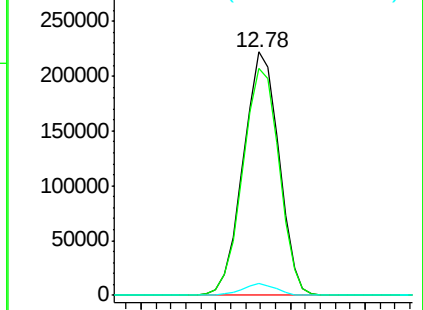
#35
 1-Methylnaphthalene
 Concen: 127.62 ng/ul
 RT: 12.78 min Scan# 1692
 Delta R.T. 0.01 min
 Lab File: BG020296.D
 Acq: 19 Dec 2015 4:51

Instrument :
 BNA_G
 ClientSampleId :
 D9N40

Tgt Ion	Ratio	Lower	Upper
142	100		
141	93.4	73.0	109.6
116	4.8	3.0	4.6#

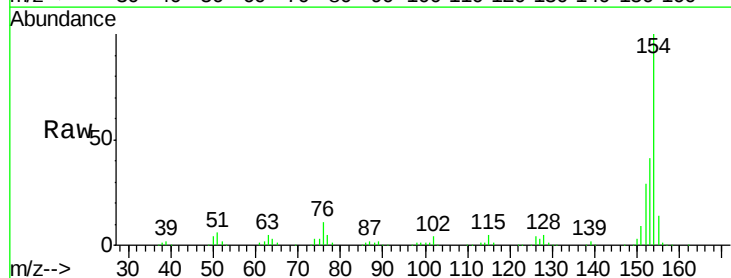


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 116.00 (115.70 to 116.70): E

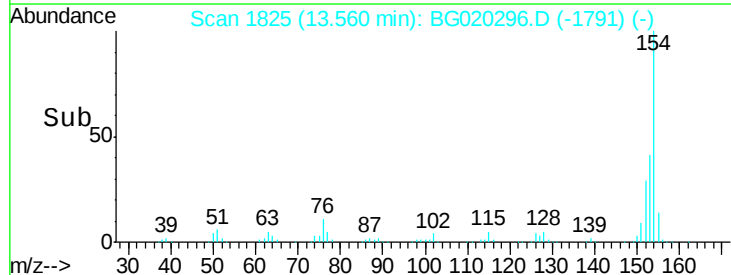
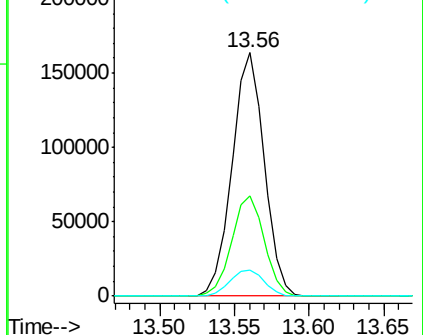


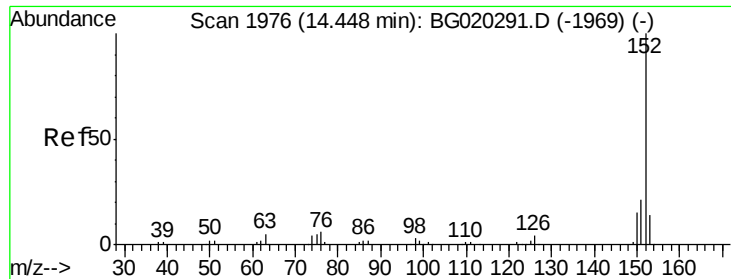
#41
 1,1'-Biphenyl
 Concen: 61.08 ng/ul
 RT: 13.56 min Scan# 1825
 Delta R.T. -0.00 min
 Lab File: BG020296.D
 Acq: 19 Dec 2015 4:51

Tgt Ion	Ratio	Lower	Upper
154	100		
153	41.3	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: 25.44 ng/ul

RT: 14.45 min Scan# 1976

Delta R.T. -0.00 min

Lab File: BG020296.D

Acq: 19 Dec 2015 4:51

Instrument :

BNA_G

ClientSampleId :

D9N40

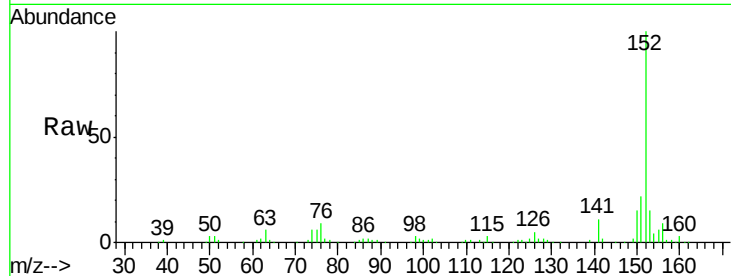
Tgt Ion:152 Resp: 135751

Ion Ratio Lower Upper

152 100

151 21.8 16.4 24.6

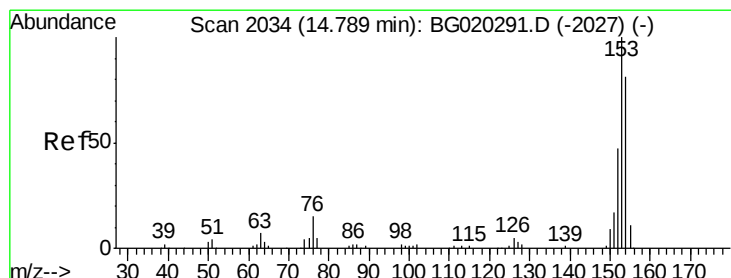
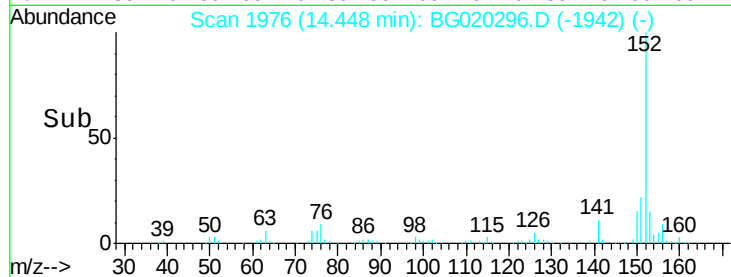
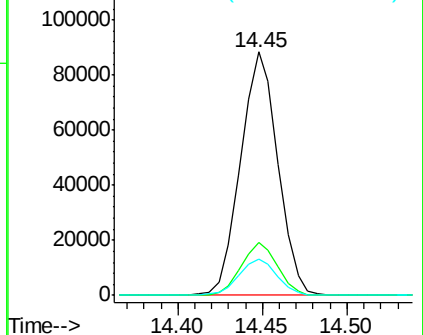
153 14.8 10.4 15.6



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: 297.06 ng/ul

RT: 14.80 min Scan# 2036

Delta R.T. 0.01 min

Lab File: BG020296.D

Acq: 19 Dec 2015 4:51

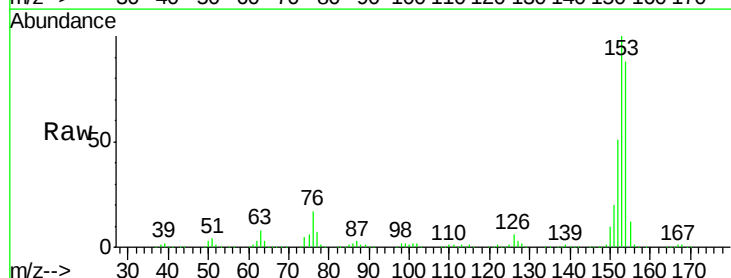
Tgt Ion:153 Resp: 1066434

Ion Ratio Lower Upper

153 100

152 50.6 37.6 56.4

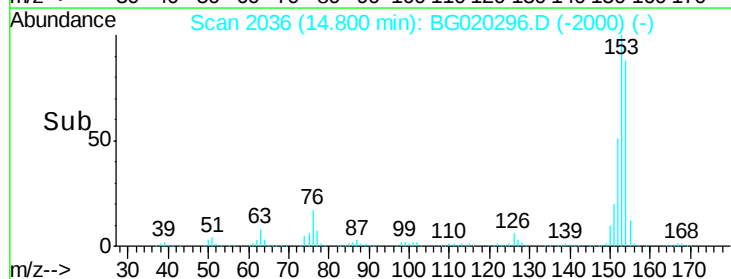
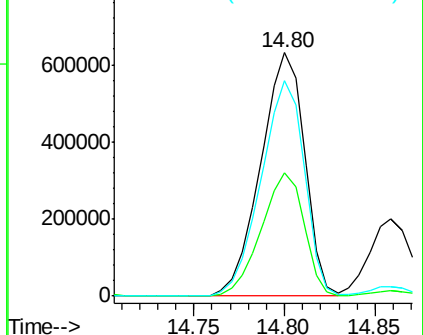
154 88.3 67.9 101.9

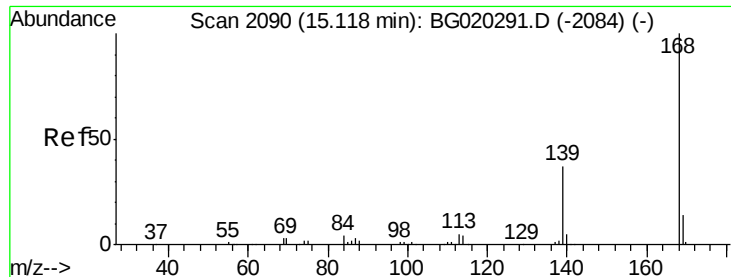


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

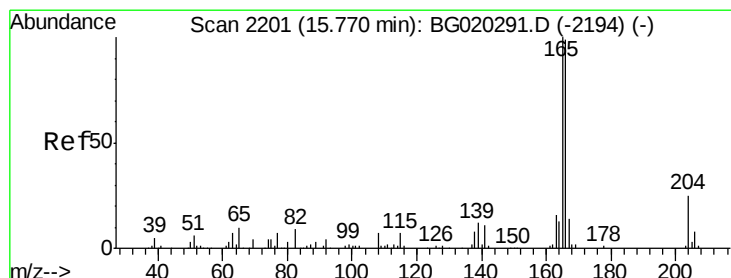
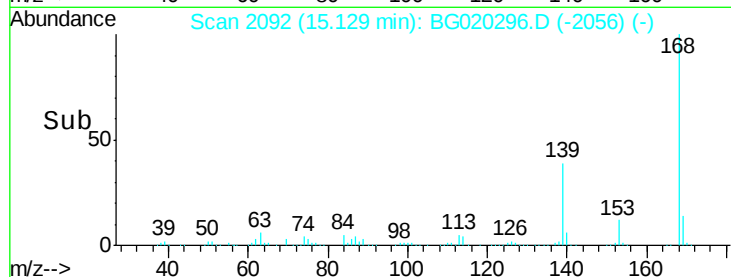
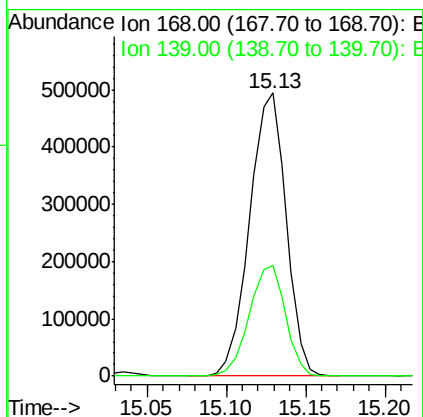
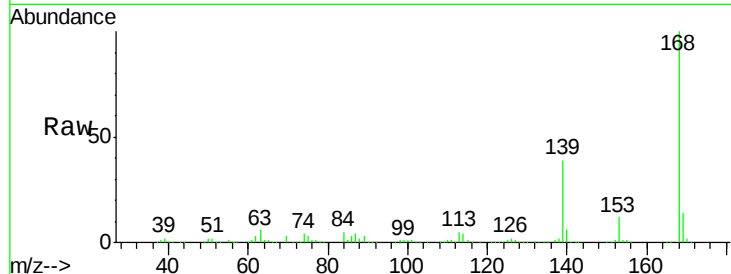




#54
Dibenzenofuran
Concen: 148.28 ng/ul
RT: 15.13 min Scan# 2092
Delta R.T. 0.01 min
Lab File: BG020296.D
Acq: 19 Dec 2015 4:51

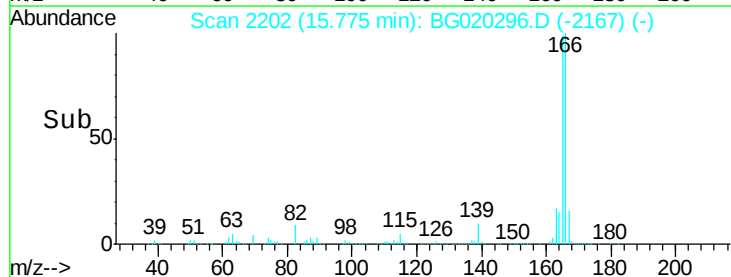
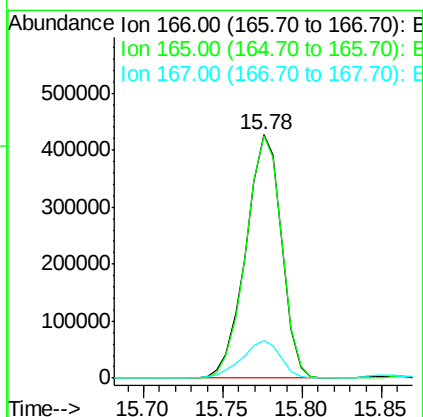
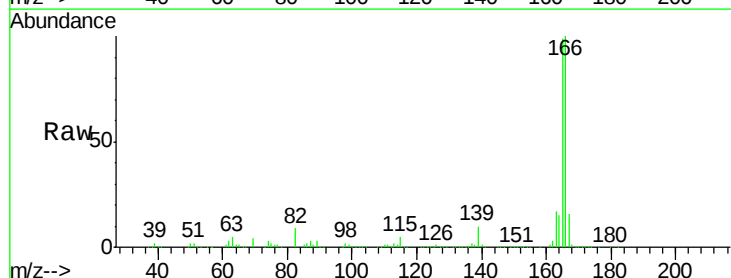
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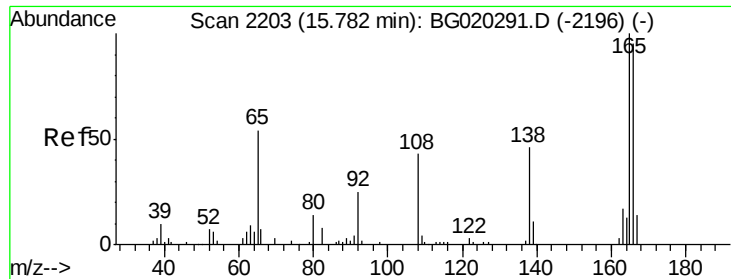
Tgt Ion:168 Resp: 791888
Ion Ratio Lower Upper
168 100
139 39.3 30.5 45.7



#59
Fluorene
Concen: 155.34 ng/ul
RT: 15.78 min Scan# 2202
Delta R.T. 0.01 min
Lab File: BG020296.D
Acq: 19 Dec 2015 4:51

Tgt Ion:166 Resp: 666174
Ion Ratio Lower Upper
166 100
165 99.4 81.4 122.0
167 15.6 11.2 16.8

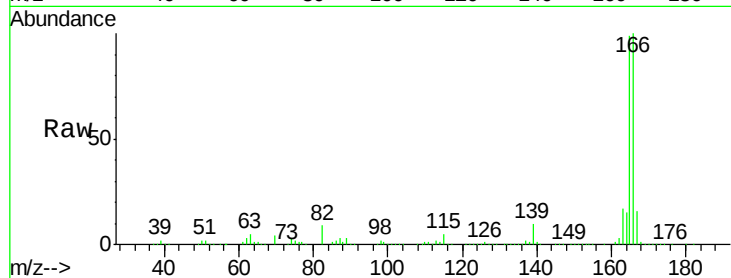




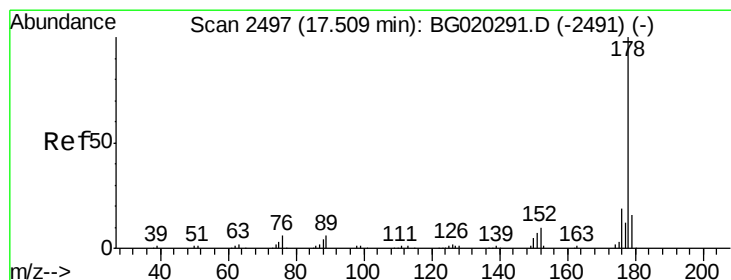
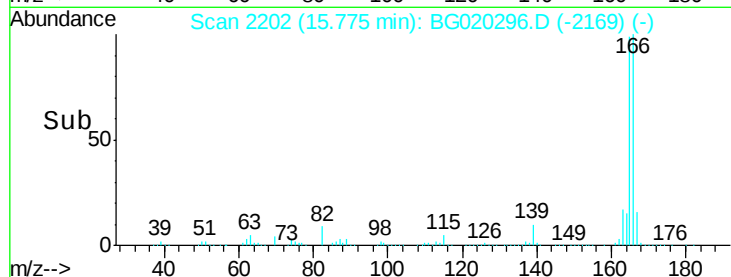
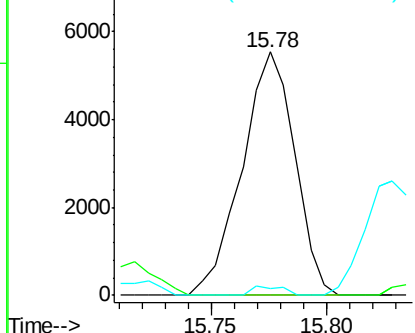
#61
 4-Nitroaniline
 Concen: 9.22 ng/ul
 RT: 15.78 min Scan# 2202
 Delta R.T. -0.01 min
 Lab File: BG020296.D
 Acq: 19 Dec 2015 4:51

Instrument :
 BNA_G
 ClientSampleId :
 D9N40

Tgt Ion:138 Resp: 8823
 Ion Ratio Lower Upper
 138 100
 92 0.0 45.2 67.8#
 108 2.8 75.4 113.0#

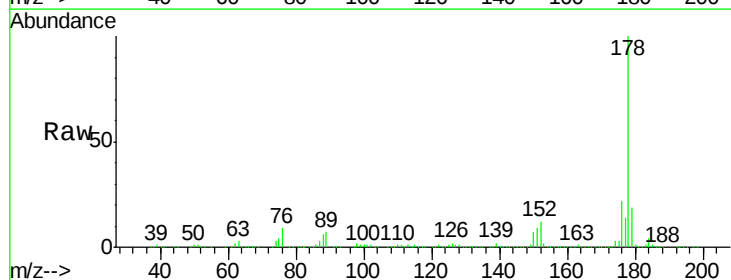


Abundance Ion 138.00 (137.70 to 138.70): E
 Ion 92.00 (91.70 to 92.70): BG
 Ion 108.00 (107.70 to 108.70): E

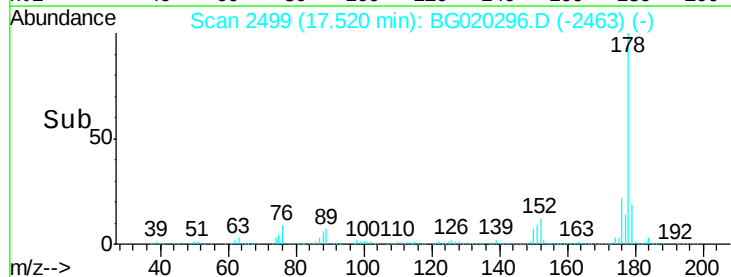
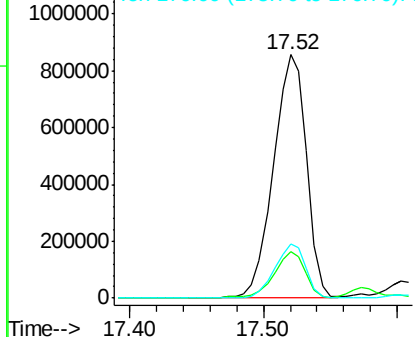


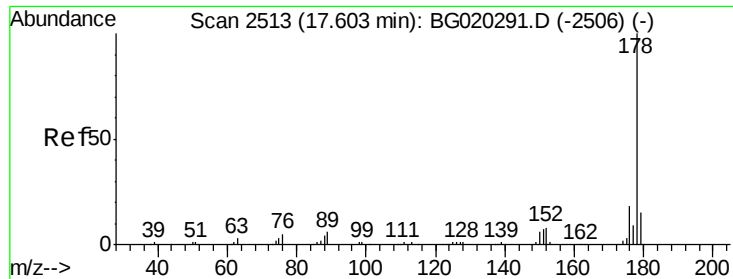
#70
 Phenanthrene
 Concen: 205.68 ng/ul
 RT: 17.52 min Scan# 2499
 Delta R.T. 0.01 min
 Lab File: BG020296.D
 Acq: 19 Dec 2015 4:51

Tgt Ion:178 Resp: 1479716
 Ion Ratio Lower Upper
 178 100
 179 19.0 12.9 19.3
 176 22.4 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: 12.28 ng/ul

RT: 17.60 min Scan# 2513

Delta R.T. -0.00 min

Lab File: BG020296.D

Acq: 19 Dec 2015 4:51

Instrument :

BNA_G

ClientSampleId :

D9N40

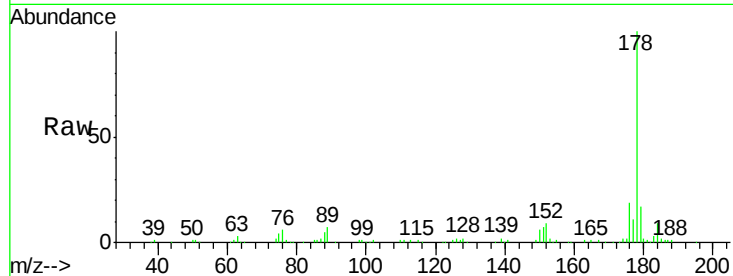
Tgt Ion:178 Resp: 89633

Ion Ratio Lower Upper

178 100

179 16.7 12.3 18.5

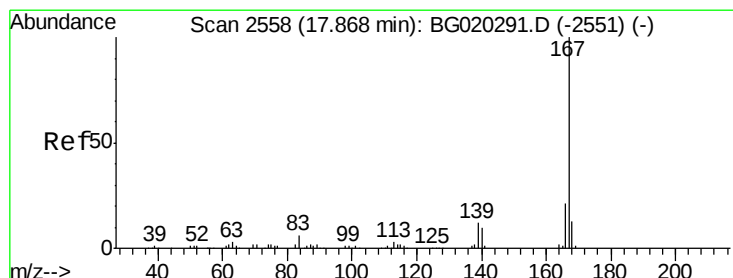
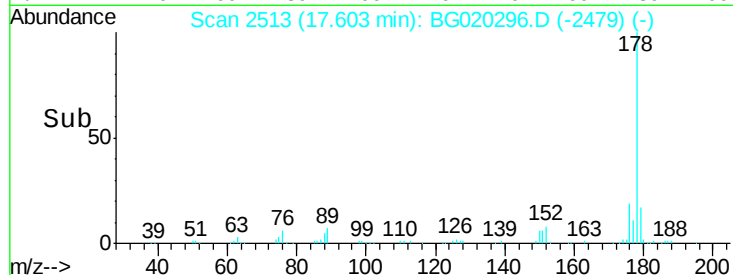
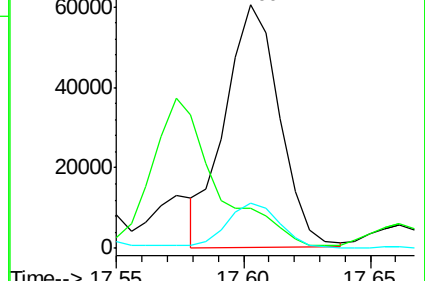
176 18.7 14.3 21.5



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: 198.92 ng/ul

RT: 17.88 min Scan# 2561

Delta R.T. 0.02 min

Lab File: BG020296.D

Acq: 19 Dec 2015 4:51

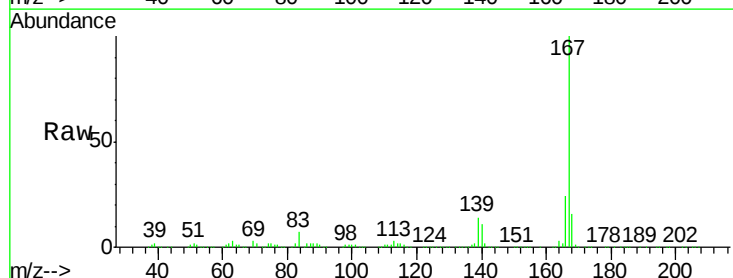
Tgt Ion:167 Resp: 1219623

Ion Ratio Lower Upper

167 100

166 24.2 17.0 25.6

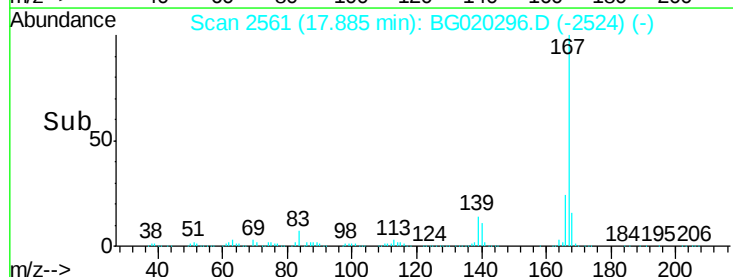
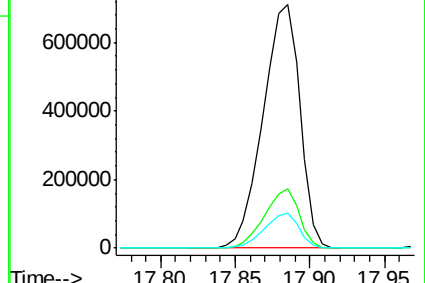
139 14.2 10.1 15.1

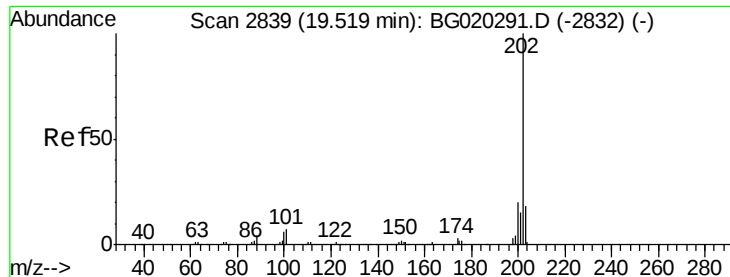


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

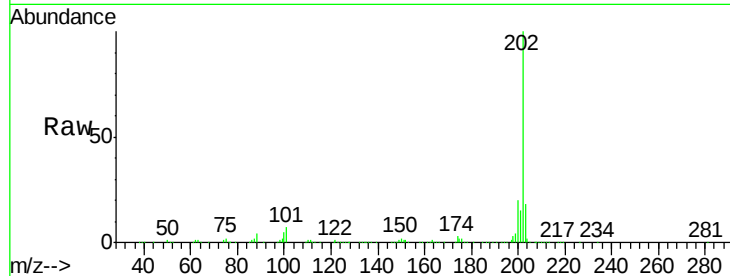




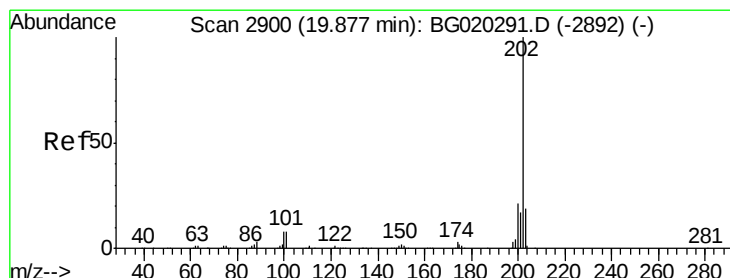
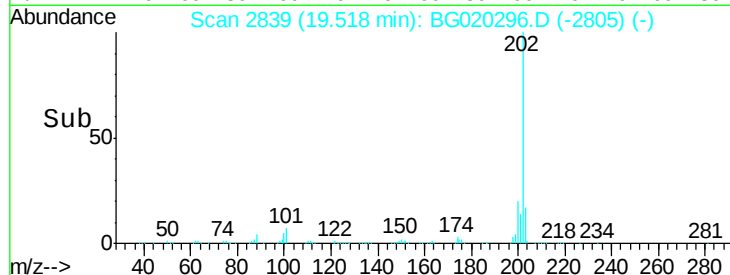
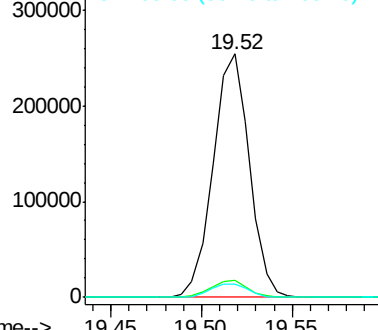
#77
Fluoranthene
 Concen: 41.96 ng/ul
 RT: 19.52 min Scan# 2839
 Delta R.T. -0.00 min
 Lab File: BG020296.D
 Acq: 19 Dec 2015 4:51

Instrument :
 BNA_G
 ClientSampleId :
 D9N40

Tgt Ion	Ratio	Lower	Upper
202	100		
101	6.8	6.2	9.4
100	5.4	5.1	7.7

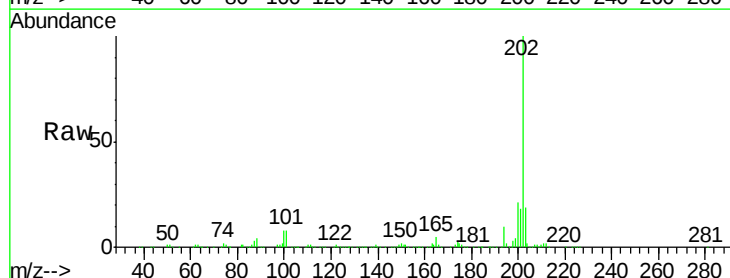


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

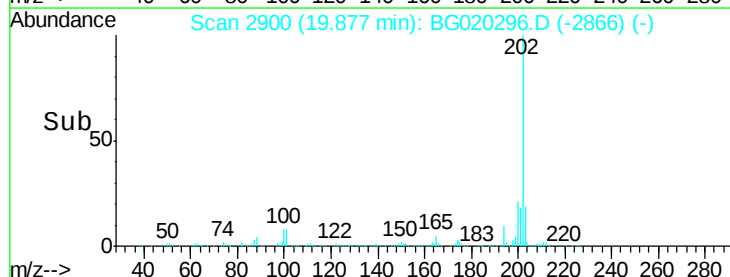
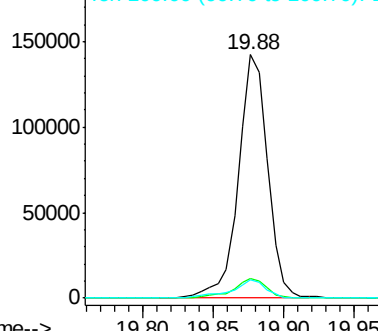


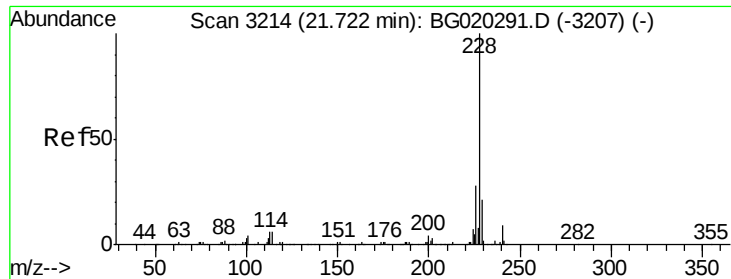
#80
Pyrene
 Concen: 19.41 ng/ul
 RT: 19.88 min Scan# 2900
 Delta R.T. -0.00 min
 Lab File: BG020296.D
 Acq: 19 Dec 2015 4:51

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.0	7.0	10.4
100	7.6	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





#83

Benzo(a)anthracene

Concen: 1.01 ng/ul

RT: 21.72 min Scan# 3214

Delta R.T. -0.00 min

Lab File: BG020296.D

Acq: 19 Dec 2015 4:51

Instrument :

BNA_G

ClientSampleId :

D9N40

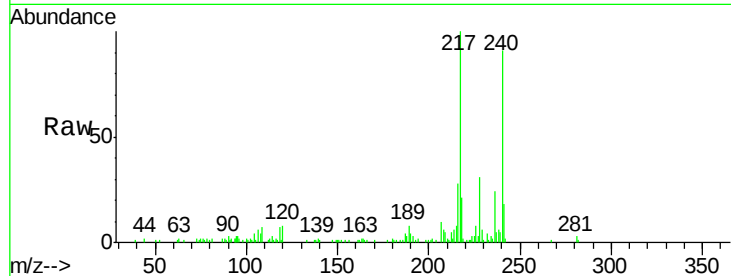
Tgt Ion: 228 Resp: 10313

Ion Ratio Lower Upper

228 100

229 19.7 15.8 23.8

226 27.4 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

