

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121915\
 Data File : BG020294.D
 Acq On : 19 Dec 2015 3:33
 Operator : UM/SJ
 Sample : G4768-14
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N38

Quant Time: Dec 19 04:55:52 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	17427	20.00	ng/ul	0.00
18) Naphthalene-d8	10.91	136	75095	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.73	164	52812	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.47	188	129642	20.00	ng/ul	0.00
78) Chrysene-d12	21.74	240	182054	20.00	ng/ul	0.00
86) Perylene-d12	25.01	264	167853	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.46	96	578	1.83	ng/uL	0.00
5) Phenol-d5	7.24	99	13563	8.83	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.41	67	29470	32.14	ng/ul	0.00
9) 2-Chlorophenol-d4	7.62	132	33155	29.66	ng/ul	0.00
13) 4-Methylphenol-d8	8.79	113	25126	19.12	ng/ul	0.00
19) Nitrobenzene-d5	9.26	128	20473	34.97	ng/ul	0.00
22) 2-Nitrophenol-d4	9.98	143	24089	36.98	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.53	165	42103	31.91	ng/ul	0.00
29) 4-Chloroaniline-d4	11.05	131	352	0.24	ng/ul	0.00
44) Dimethylphthalate-d6	14.12	166	146828	34.37	ng/ul	0.00
47) Acenaphthylene-d8	14.42	160	168903	33.98	ng/ul	0.00
52) 4-Nitrophenol-d4	14.91	143	6660	8.69	ng/ul	0.00
58) Fluorene-d10	15.71	176	132521	34.20	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.82	200	23667	30.79	ng/ul	0.00
71) Anthracene-d10	17.57	188	213019	35.66	ng/ul	0.00
79) Pyrene-d10	19.85	212	271844	32.04	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.79	264	274547	32.79	ng/ul	0.00

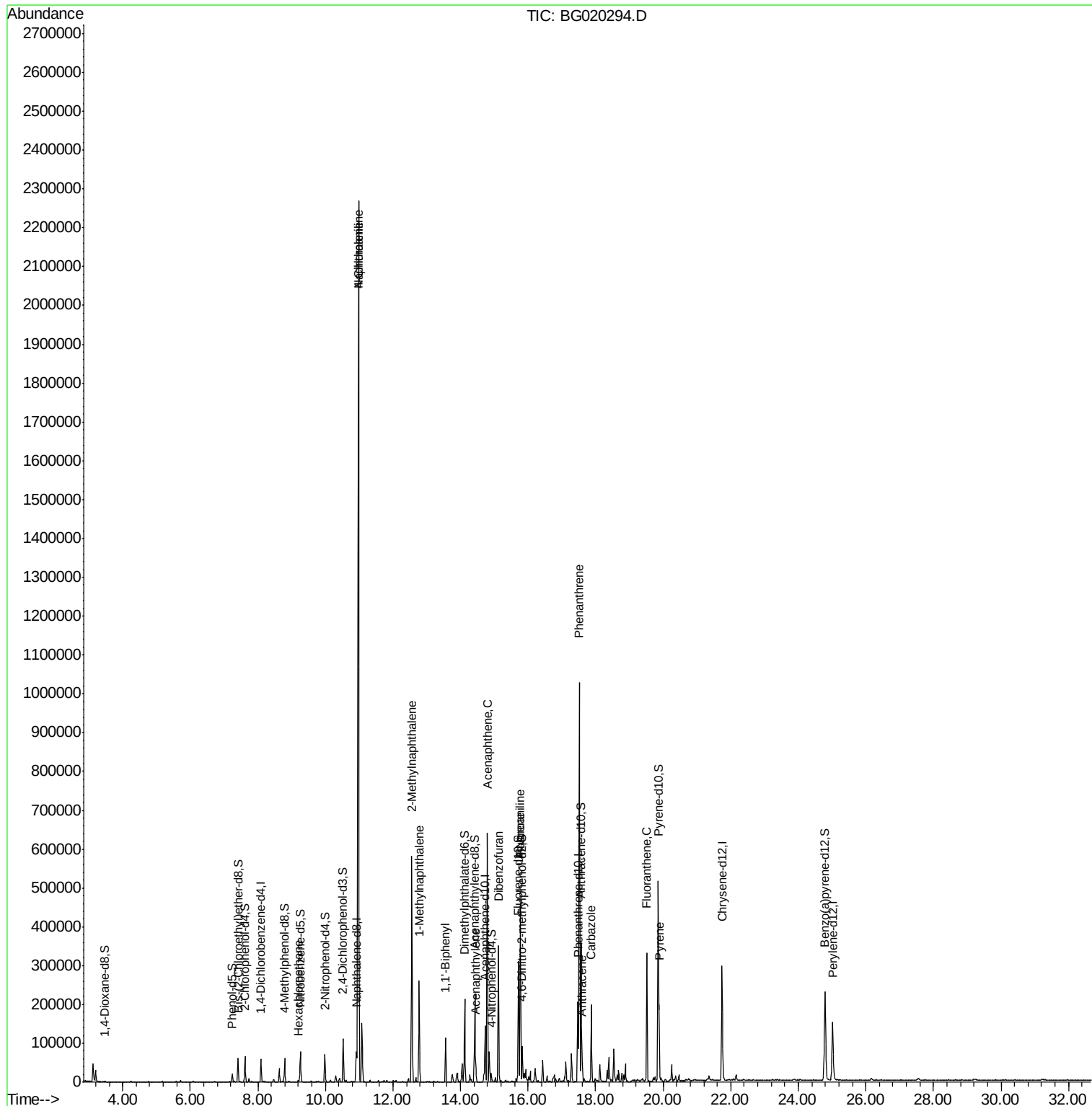
Target Compounds

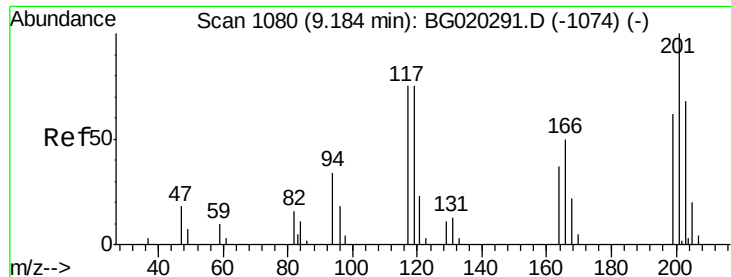
						Qvalue
17) Hexachloroethane	9.21	117	575	1.17	ng/ul#	1
28) Naphthalene	10.98	128	1996190	509.03	ng/ul#	90
30) 4-Chloroaniline	10.98	127	310548	205.26	ng/ul#	12
34) 2-Methylnaphthalene	12.56	142	283974	94.80	ng/ul	98
35) 1-Methylnaphthalene	12.78	142	122289	42.46	ng/ul	97
41) 1,1'-Biphenyl	13.56	154	60984	15.31	ng/ul	97
48) Acenaphthylene	14.45	152	29769	5.64	ng/ul	97
50) Acenaphthene	14.79	153	279376	78.64	ng/ul	99
54) Dibenzofuran	15.12	168	225365	42.64	ng/ul	100
59) Fluorene	15.77	166	212915	50.17	ng/ul	99
61) 4-Nitroaniline	15.77	138	2711	2.86	ng/ul#	10
70) Phenanthrene	17.52	178	678324	95.66	ng/ul	99
72) Anthracene	17.60	178	34181	4.75	ng/ul	99
75) Carbazole	17.87	167	136138	22.53	ng/ul	99
77) Fluoranthene	19.51	202	216411	26.11	ng/ul	98
80) Pyrene	19.88	202	126629	11.49	ng/ul	97

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

```
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Operator  : UM/SJ  
Sample    : G4768-14  
Misc      :  
ALS Vial  : 26    Sample Multiplier: 1
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Quant Title : SVOA CALIBRATION
QLast Update : Sat Dec 19 04:52:13 2015
Response via : Initial Calibration

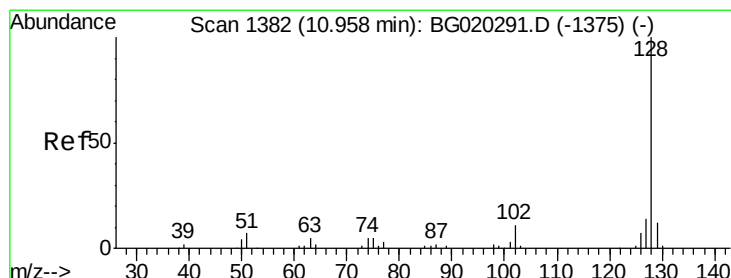
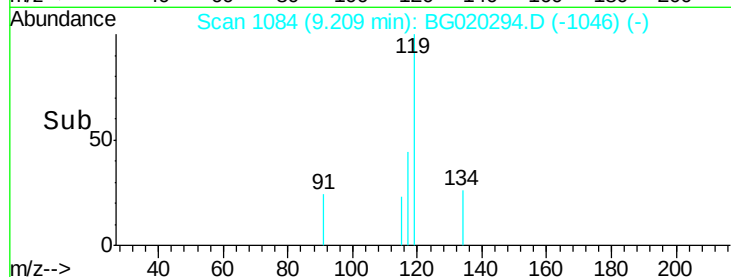
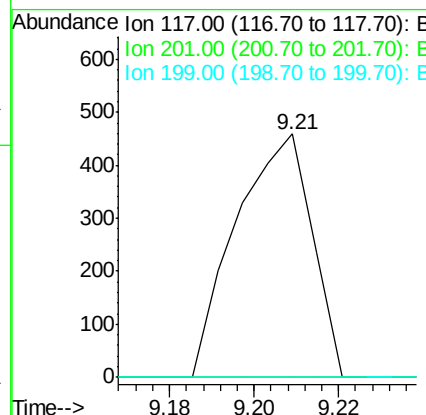
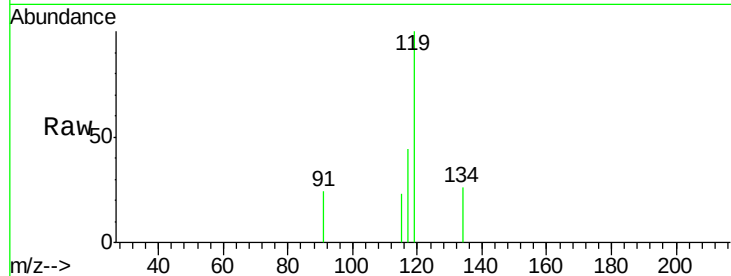




#17
 Hexachloroethane
 Concen: 1.17 ng/ul
 RT: 9.21 min Scan# 1084
 Delta R.T. 0.03 min
 Lab File: BG020294.D
 Acq: 19 Dec 2015 3:33

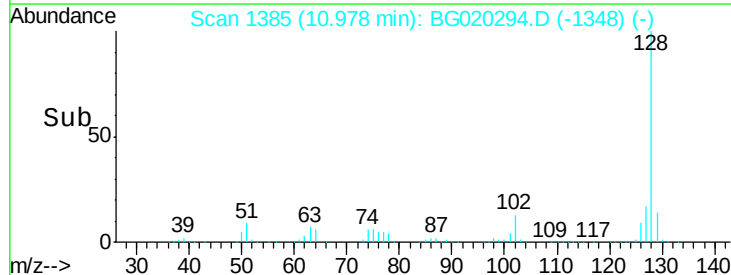
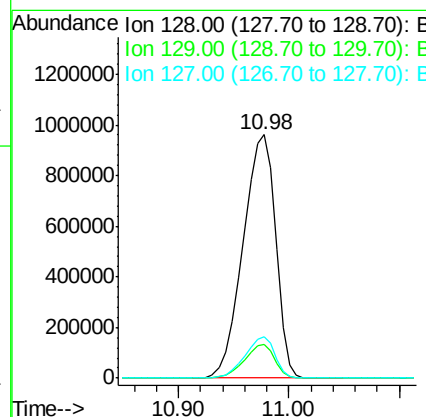
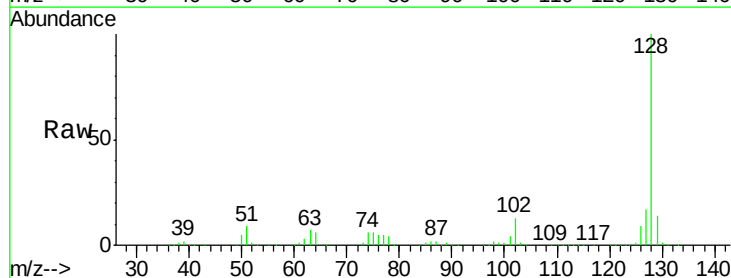
Instrument :
 BNA_G
 ClientSampleId :
 D9N38

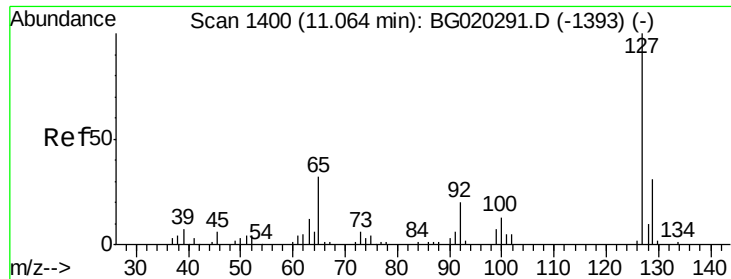
Tgt Ion:117 Resp: 575
 Ion Ratio Lower Upper
 117 100
 201 0.0 102.7 154.1#
 199 0.0 65.8 98.8#



#28
 Naphthalene
 Concen: 509.03 ng/ul
 RT: 10.98 min Scan# 1385
 Delta R.T. 0.02 min
 Lab File: BG020294.D
 Acq: 19 Dec 2015 3:33

Tgt Ion:128 Resp: 1996190
 Ion Ratio Lower Upper
 128 100
 129 13.7 8.6 12.8#
 127 16.9 10.1 15.1#

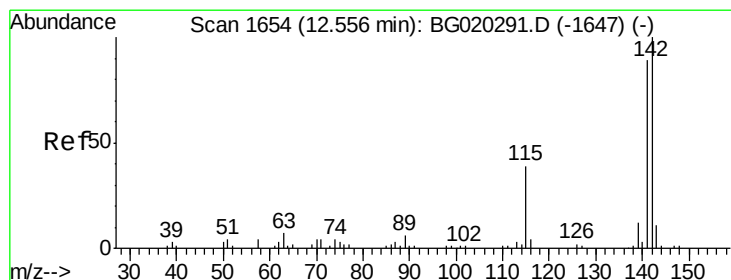
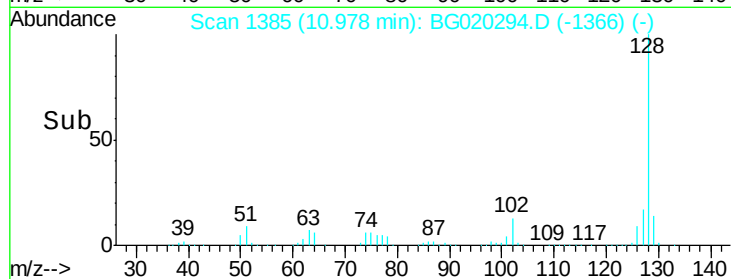
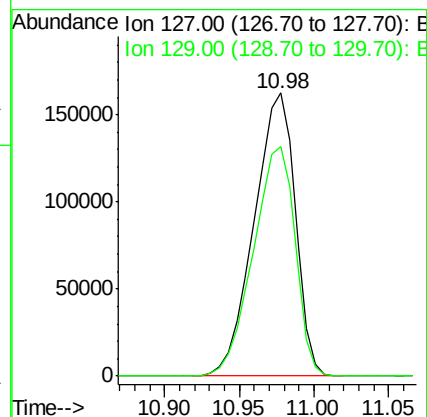
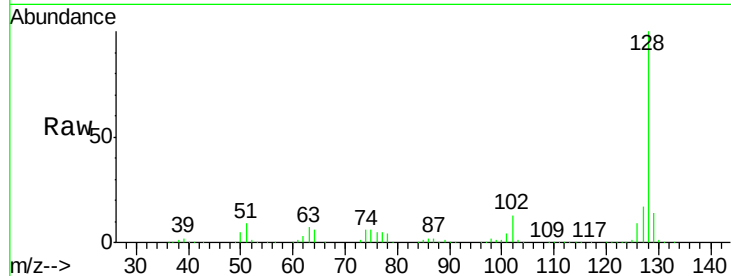




#30
4-Chloroaniline
Concen: 205.26 ng/ul
RT: 10.98 min Scan# 1385
Delta R.T. -0.09 min
Lab File: BG020294.D
Acq: 19 Dec 2015 3:33

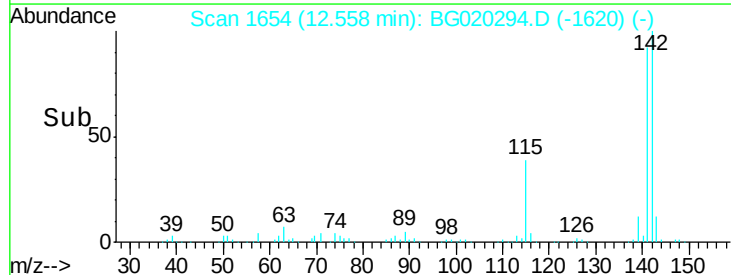
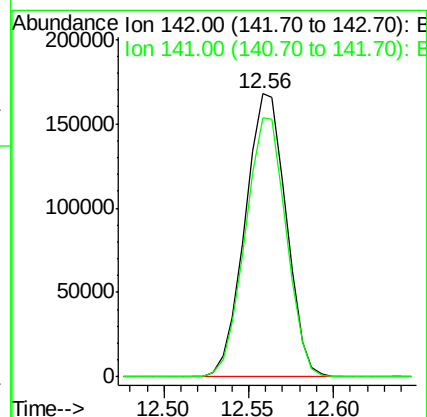
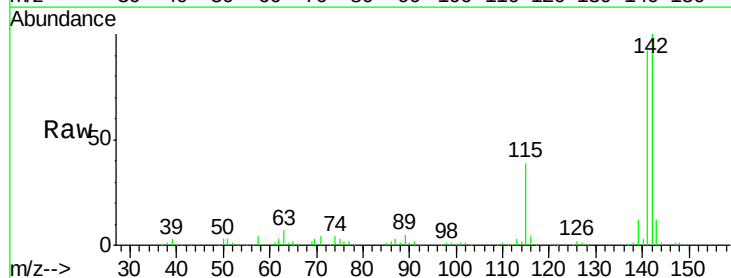
Instrument :
BNA_G
ClientSampled :
D9N38

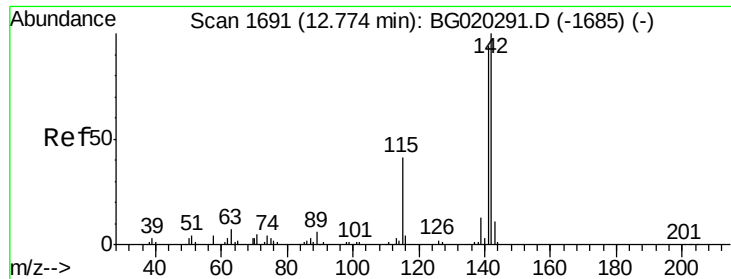
Tgt Ion:127 Resp: 310548
Ion Ratio Lower Upper
127 100
129 81.1 25.7 38.5#



#34
2-Methylnaphthalene
Concen: 94.80 ng/ul
RT: 12.56 min Scan# 1654
Delta R.T. 0.00 min
Lab File: BG020294.D
Acq: 19 Dec 2015 3:33

Tgt Ion:142 Resp: 283974
Ion Ratio Lower Upper
142 100
141 91.6 74.9 112.3

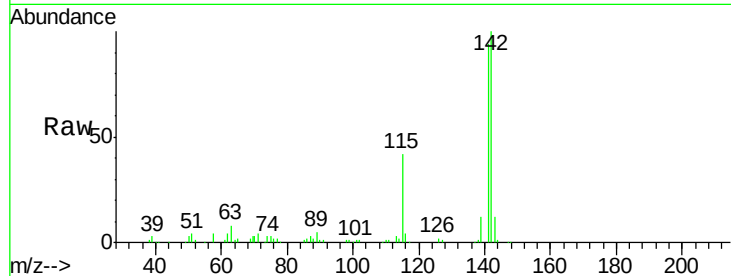




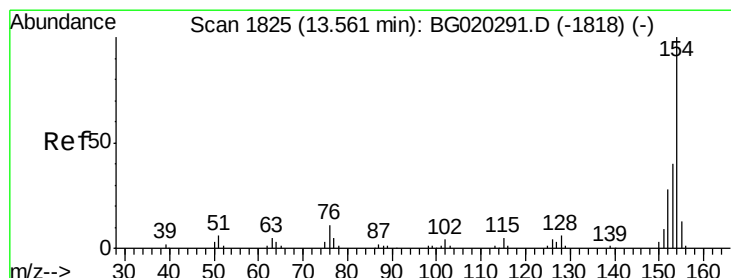
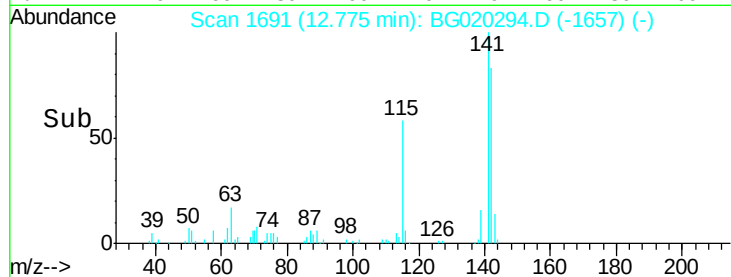
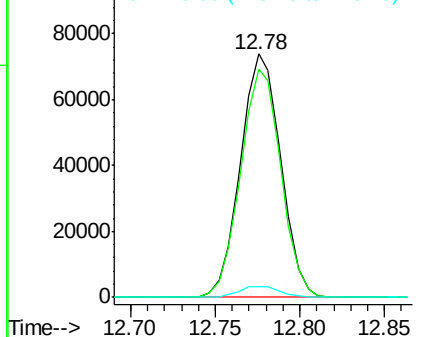
#35
 1-Methylnaphthalene
 Concen: 42.46 ng/ul
 RT: 12.78 min Scan# 1691
 Delta R.T. 0.00 min
 Lab File: BG020294.D
 Acq: 19 Dec 2015 3:33

Instrument :
 BNA_G
 ClientSampleId :
 D9N38

Tgt Ion:142 Resp: 122289
 Ion Ratio Lower Upper
 142 100
 141 93.9 73.0 109.6
 116 4.2 3.0 4.6

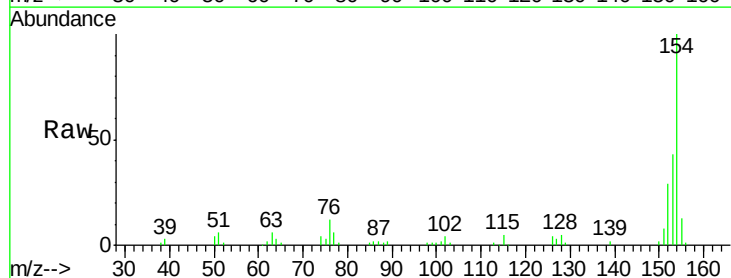


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 116.00 (115.70 to 116.70): E

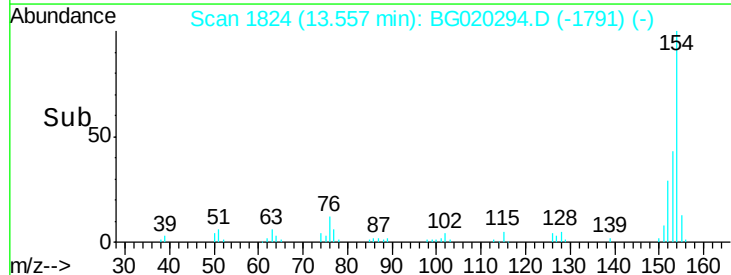
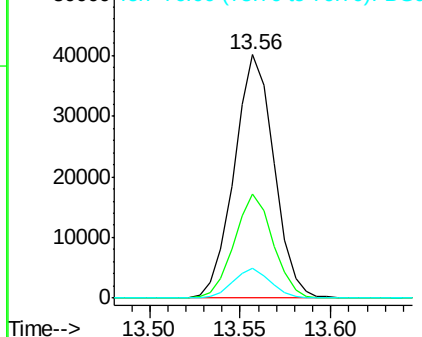


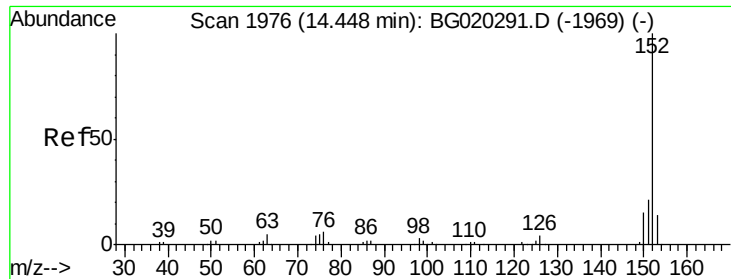
#41
 1,1'-Biphenyl
 Concen: 15.31 ng/ul
 RT: 13.56 min Scan# 1824
 Delta R.T. -0.00 min
 Lab File: BG020294.D
 Acq: 19 Dec 2015 3:33

Tgt Ion:154 Resp: 60984
 Ion Ratio Lower Upper
 154 100
 153 42.5 35.5 53.3
 76 12.2 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: 5.64 ng/ul

RT: 14.45 min Scan# 1976

Delta R.T. 0.00 min

Lab File: BG020294.D

Acq: 19 Dec 2015 3:33

Instrument :

BNA_G

ClientSampleId :

D9N38

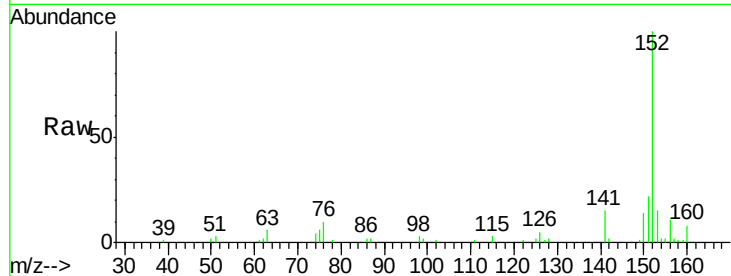
Tgt Ion:152 Resp: 29769

Ion Ratio Lower Upper

152 100

151 21.6 16.4 24.6

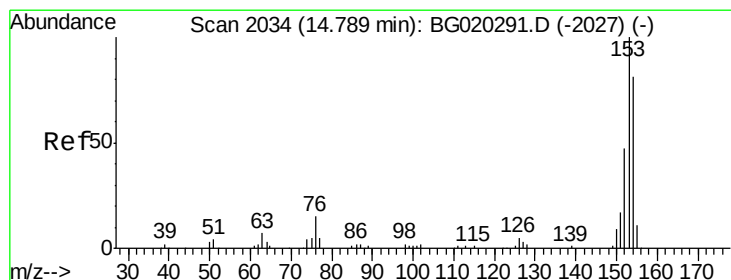
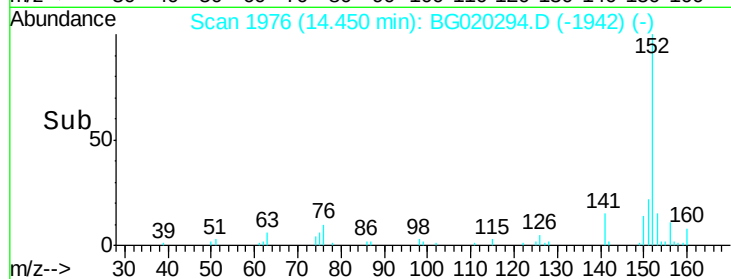
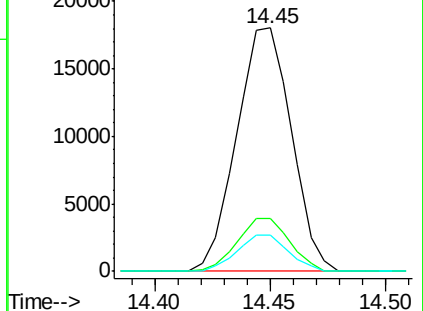
153 15.0 10.4 15.6



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: 78.64 ng/ul

RT: 14.79 min Scan# 2034

Delta R.T. 0.00 min

Lab File: BG020294.D

Acq: 19 Dec 2015 3:33

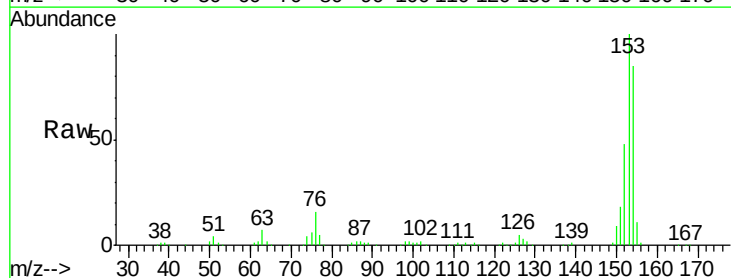
Tgt Ion:153 Resp: 279376

Ion Ratio Lower Upper

153 100

152 48.1 37.6 56.4

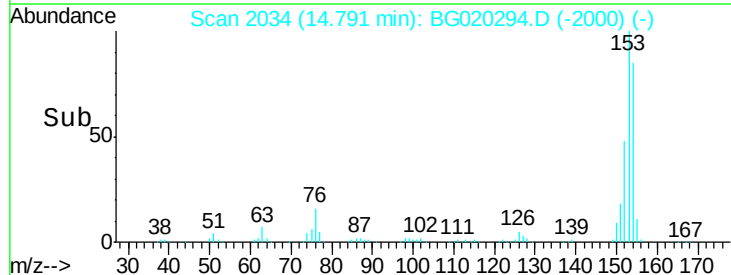
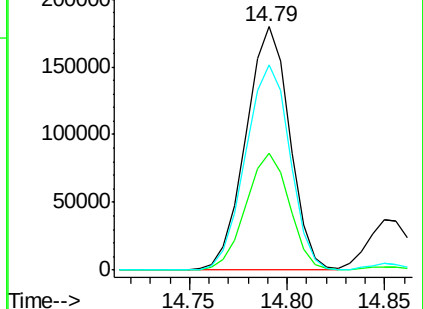
154 84.5 67.9 101.9

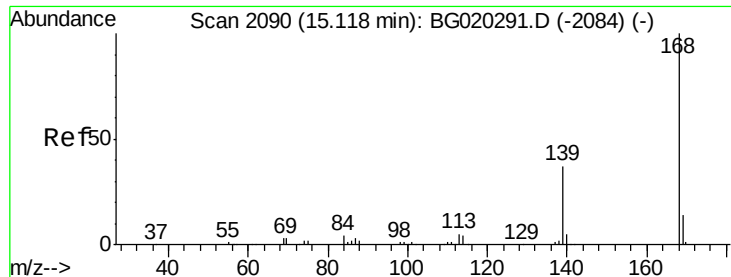


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

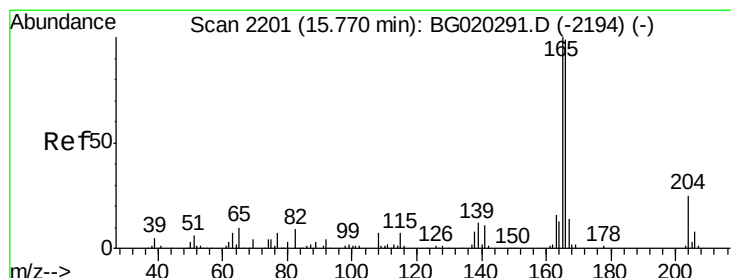
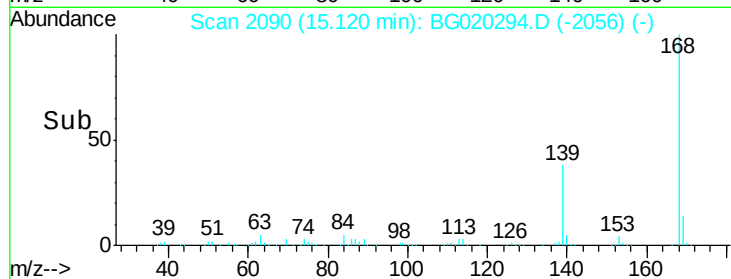
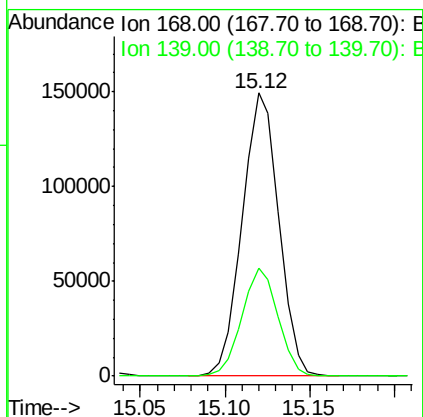
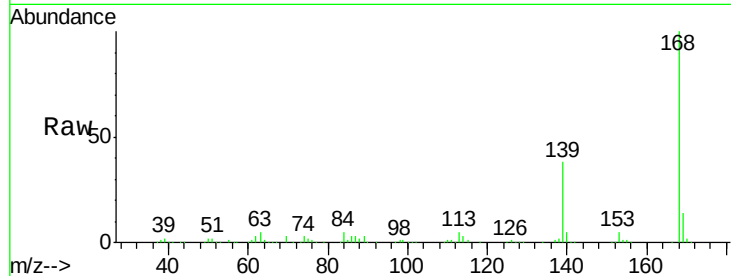




#54
Dibenzenofuran
Concen: 42.64 ng/ul
RT: 15.12 min Scan# 2090
Delta R.T. 0.00 min
Lab File: BG020294.D
Acq: 19 Dec 2015 3:33

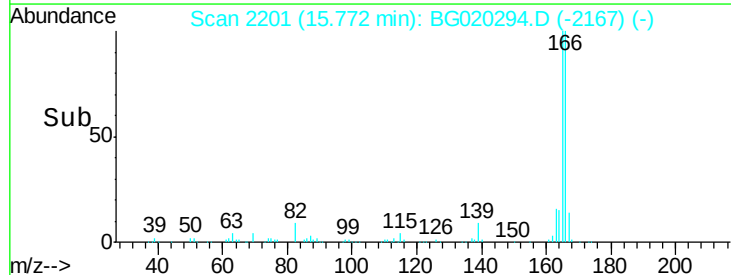
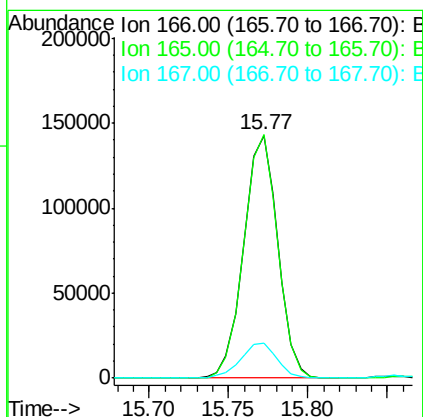
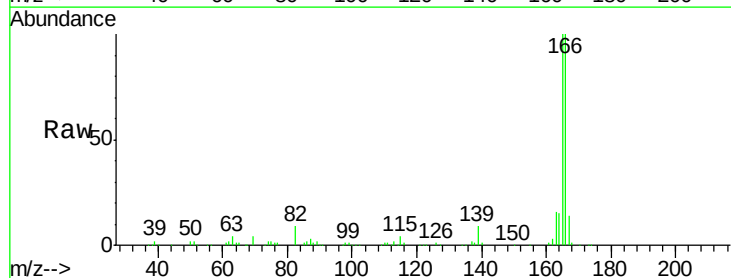
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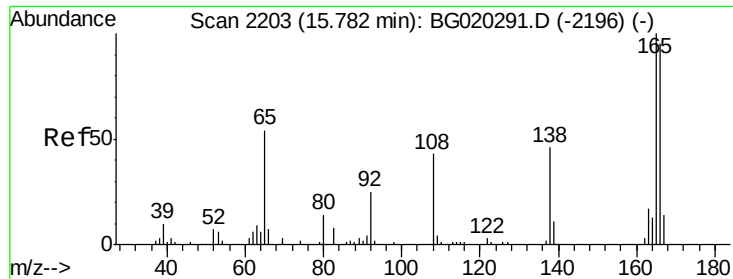
Tgt Ion:168 Resp: 225365
Ion Ratio Lower Upper
168 100
139 38.3 30.5 45.7



#59
Fluorene
Concen: 50.17 ng/ul
RT: 15.77 min Scan# 2201
Delta R.T. 0.00 min
Lab File: BG020294.D
Acq: 19 Dec 2015 3:33

Tgt Ion:166 Resp: 212915
Ion Ratio Lower Upper
166 100
165 100.4 81.4 122.0
167 14.4 11.2 16.8

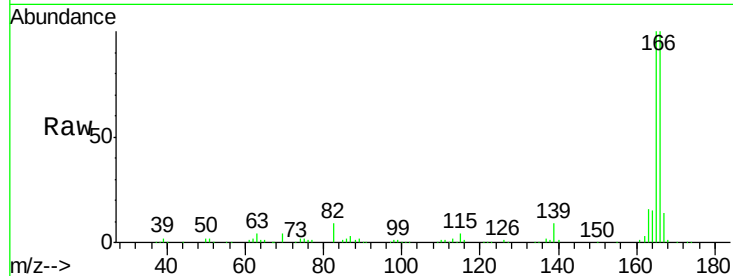




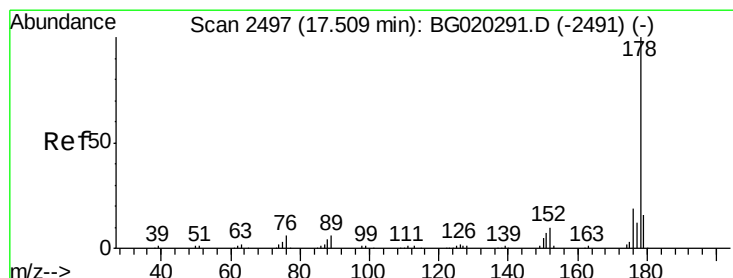
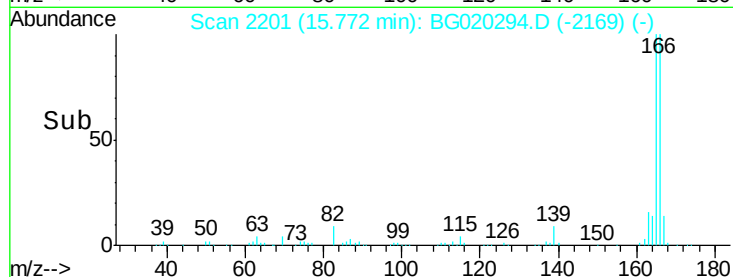
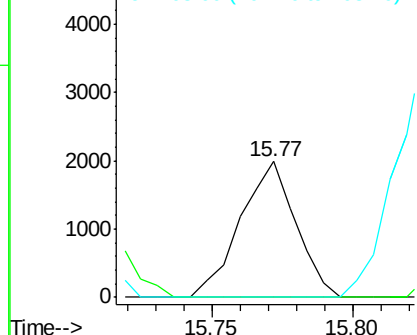
#61
4-Nitroaniline
Concen: 2.86 ng/ul
RT: 15.77 min Scan# 2201
Delta R.T. -0.01 min
Lab File: BG020294.D
Acq: 19 Dec 2015 3:33

Instrument :
BNA_G
ClientSampleId :
D9N38

Tgt Ion:138 Resp: 2711
Ion Ratio Lower Upper
138 100
92 0.0 45.2 67.8#
108 0.0 75.4 113.0#

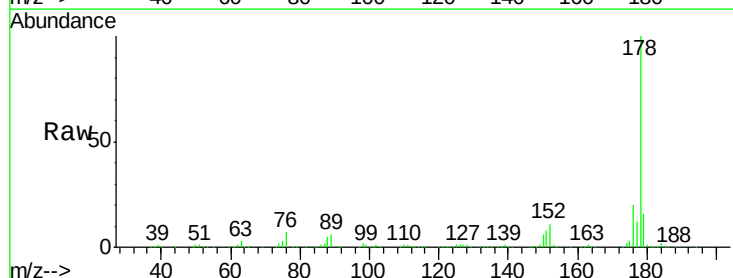


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BG
Ion 108.00 (107.70 to 108.70): E

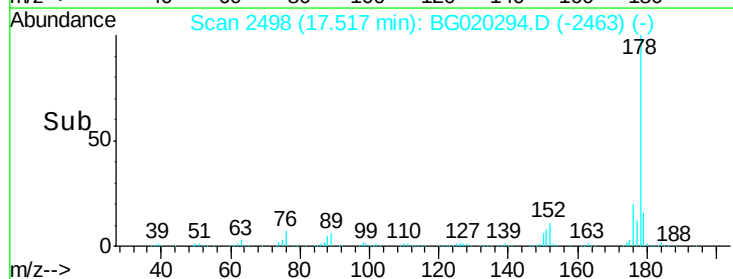
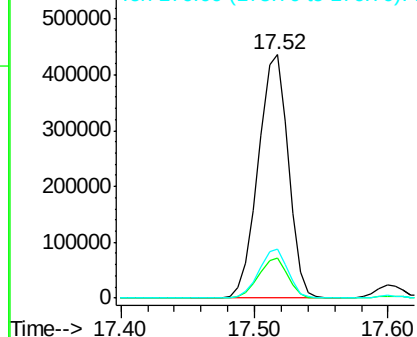


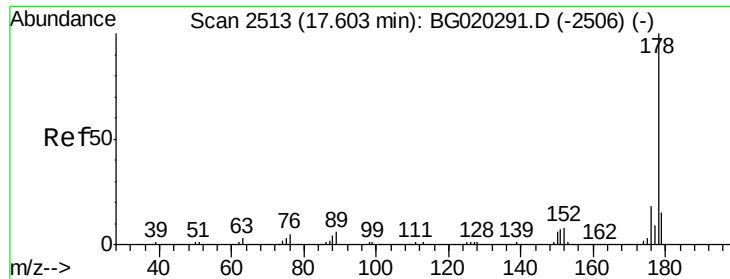
#70
Phenanthrene
Concen: 95.66 ng/ul
RT: 17.52 min Scan# 2498
Delta R.T. 0.01 min
Lab File: BG020294.D
Acq: 19 Dec 2015 3:33

Tgt Ion:178 Resp: 678324
Ion Ratio Lower Upper
178 100
179 16.2 12.9 19.3
176 20.2 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: 4.75 ng/ul

RT: 17.60 min Scan# 2512

Delta R.T. -0.00 min

Lab File: BG020294.D

Acq: 19 Dec 2015 3:33

Instrument :

BNA_G

ClientSampleId :

D9N38

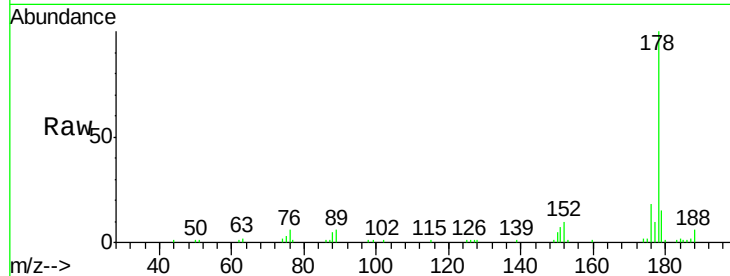
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Ion Ratio Lower Upper

178 100

179 14.9 12.3 18.5

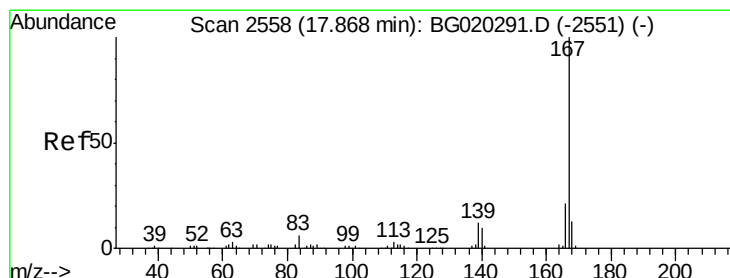
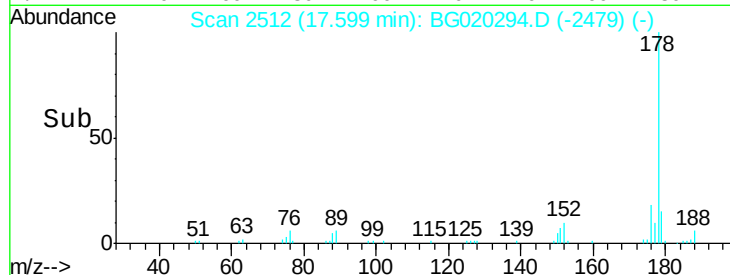
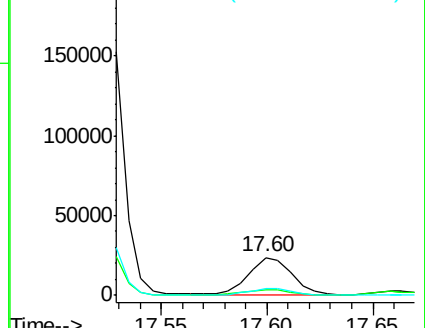
176 18.0 14.3 21.5



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: 22.53 ng/ul

RT: 17.87 min Scan# 2558

Delta R.T. 0.00 min

Lab File: BG020294.D

Acq: 19 Dec 2015 3:33

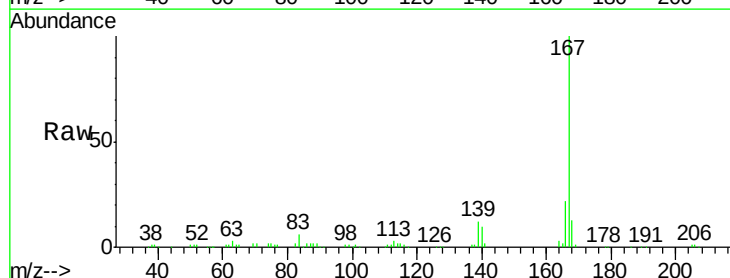
Tgt Ion:167 Resp: 136138

Ion Ratio Lower Upper

167 100

166 21.9 17.0 25.6

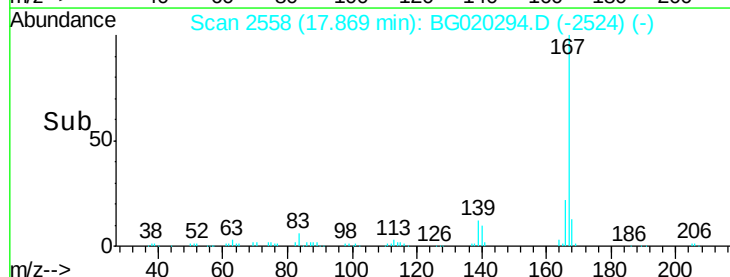
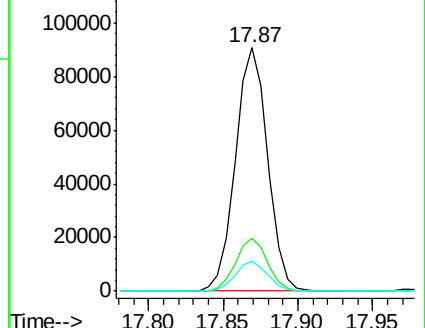
139 12.3 10.1 15.1

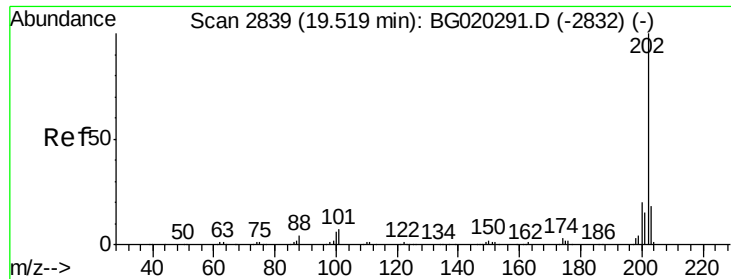


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

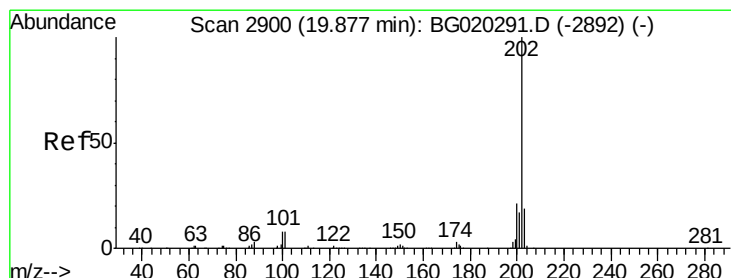
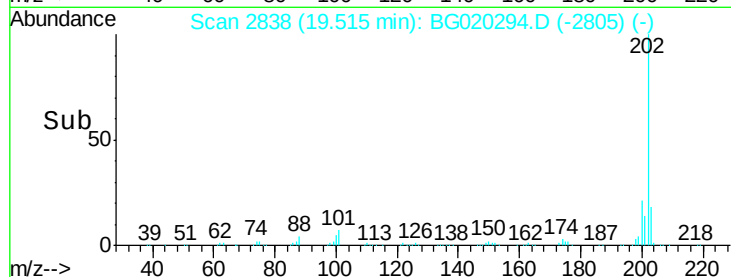
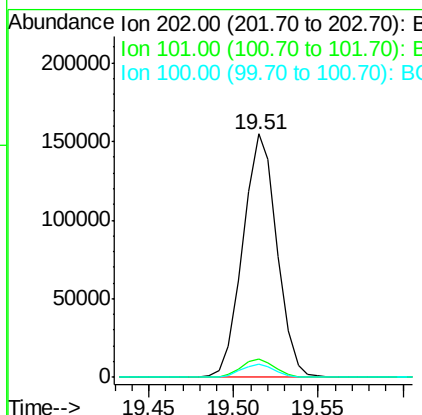
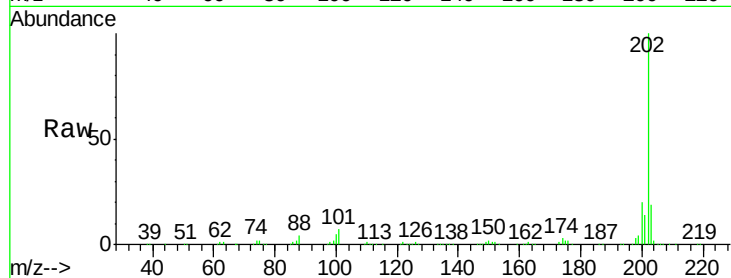




#77
 Fluoranthene
 Concen: 26.11 ng/ul
 RT: 19.51 min Scan# 2838
 Delta R.T. -0.00 min
 Lab File: BG020294.D
 Acq: 19 Dec 2015 3:33

Instrument :
 BNA_G
 ClientSampleId :
 D9N38

Tgt Ion	Ratio	Lower	Upper
202	100		
101	7.4	6.2	9.4
100	5.4	5.1	7.7



#80
 Pyrene
 Concen: 11.49 ng/ul
 RT: 19.88 min Scan# 2900
 Delta R.T. 0.00 min
 Lab File: BG020294.D
 Acq: 19 Dec 2015 3:33

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.2	7.0	10.4
100	6.5	6.4	9.6

