

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121915\
 Data File : BG020298.D
 Acq On : 19 Dec 2015 6:09
 Operator : UM/SJ
 Sample : G4768-18
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N42

Quant Time: Dec 20 03:23:27 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	17083	20.00	ng/ul	0.00
18) Naphthalene-d8	10.92	136	75020	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.73	164	52265	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.47	188	128329	20.00	ng/ul	0.00
78) Chrysene-d12	21.74	240	174410	20.00	ng/ul	0.00
86) Perylene-d12	25.01	264	162104	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.47	96	360	1.16	ng/uL	0.00
5) Phenol-d5	7.24	99	13547	8.99	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.41	67	31119	34.62	ng/ul	0.00
9) 2-Chlorophenol-d4	7.62	132	33059	30.17	ng/ul	0.00
13) 4-Methylphenol-d8	8.79	113	24520	19.03	ng/ul	0.00
19) Nitrobenzene-d5	9.26	128	21510	36.78	ng/ul	0.00
22) 2-Nitrophenol-d4	9.98	143	24298	37.34	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.52	165	43485	32.99	ng/ul	0.00
29) 4-Chloroaniline-d4	11.05	131	773	0.52	ng/ul	0.00
44) Dimethylphthalate-d6	14.13	166	150744	35.66	ng/ul	0.00
47) Acenaphthylene-d8	14.42	160	176253	35.83	ng/ul	0.00
52) 4-Nitrophenol-d4	14.91	143	6979	9.20	ng/ul	0.00
58) Fluorene-d10	15.71	176	134370	35.04	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.83	200	24436	32.12	ng/ul	0.00
71) Anthracene-d10	17.57	188	216150	36.55	ng/ul	0.00
79) Pyrene-d10	19.85	212	267085	32.86	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.79	264	299700	37.07	ng/ul	0.00

Target Compounds

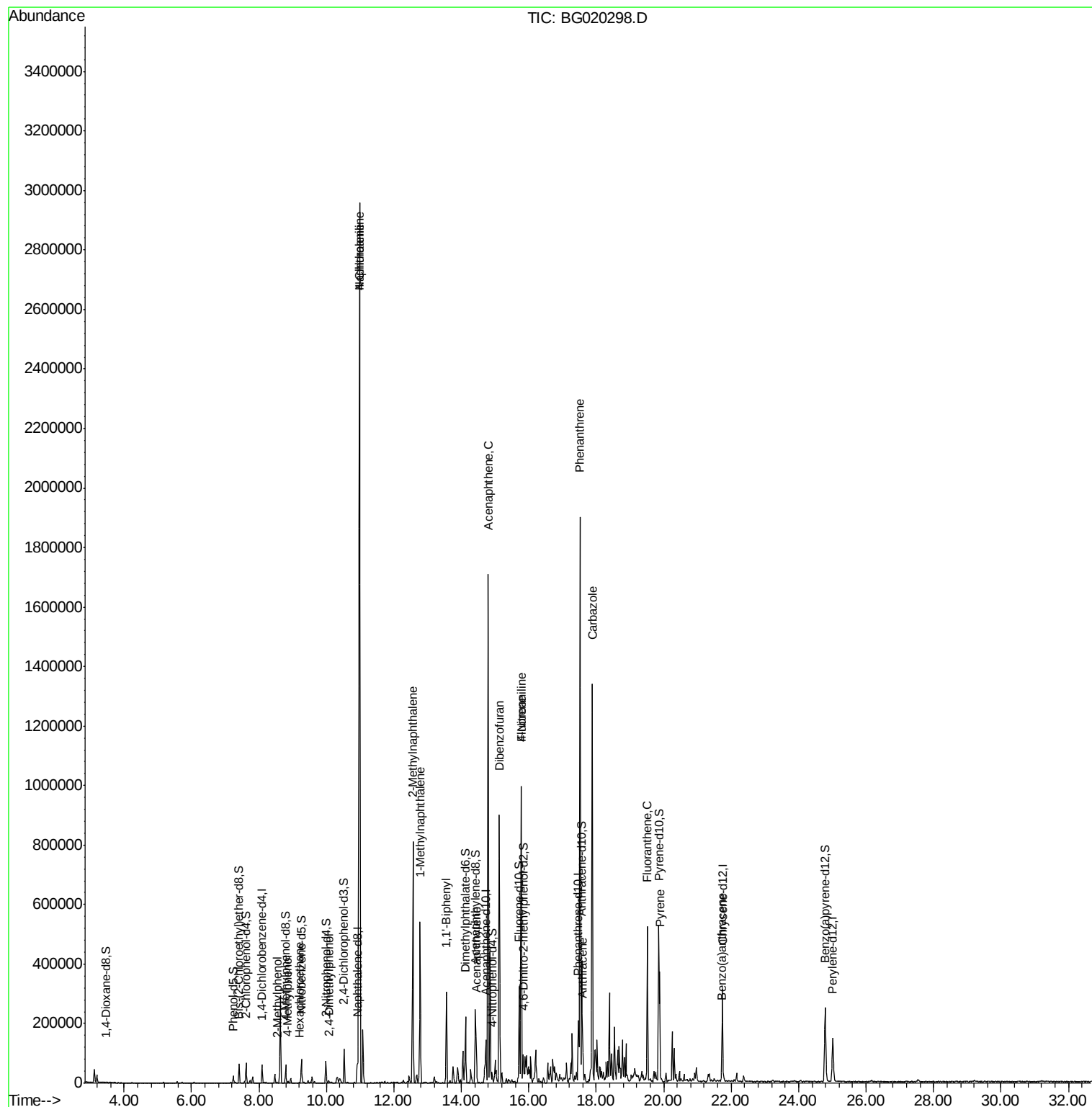
					Qvalue
11) 2-Methylphenol	8.53	108	1622	1.32 ng/ul	96
16) 4-Methylphenol	8.86	108	3209	2.36 ng/ul#	78
17) Hexachloroethane	9.20	117	557	1.16 ng/ul#	1
24) 2,4-Dimethylphenol	10.07	107	3316	2.09 ng/ul	93
28) Naphthalene	10.98	128	2691634	687.05 ng/ul#	86
30) 4-Chloroaniline	10.98	127	450210	297.87 ng/ul#	9
34) 2-Methylnaphthalene	12.56	142	386021	129.00 ng/ul	99
35) 1-Methylnaphthalene	12.78	142	249508	86.73 ng/ul	97
41) 1,1'-Biphenyl	13.56	154	162022	41.09 ng/ul	96
48) Acenaphthylene	14.45	152	90631	17.34 ng/ul	98
50) Acenaphthene	14.80	153	737099	209.65 ng/ul	97
54) Dibenzofuran	15.13	168	532026	101.72 ng/ul	100
59) Fluorene	15.78	166	478295	113.88 ng/ul	99
61) 4-Nitroaniline	15.77	138	6131	6.54 ng/ul#	10
70) Phenanthrene	17.52	178	1243261	177.12 ng/ul	95
72) Anthracene	17.60	178	82831	11.63 ng/ul	98
75) Carbazole	17.88	167	936097	156.48 ng/ul	96
77) Fluoranthene	19.52	202	353137	43.05 ng/ul	97
80) Pyrene	19.88	202	212015	20.08 ng/ul	99
83) Benzo(a)anthracene	21.72	228	10465	1.03 ng/ul	96

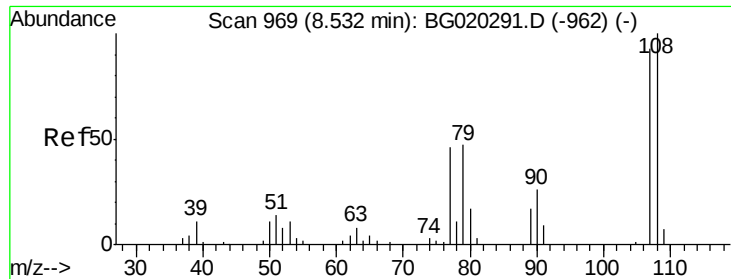
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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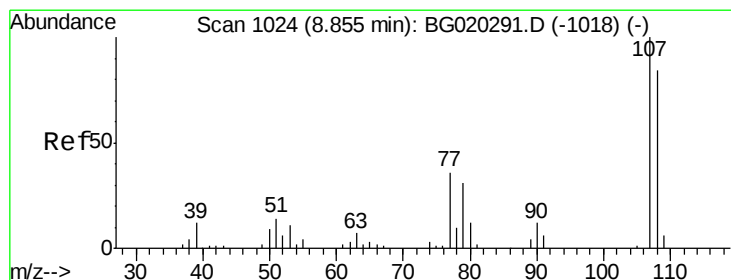
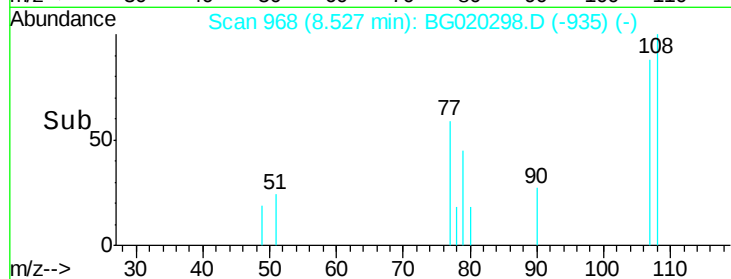
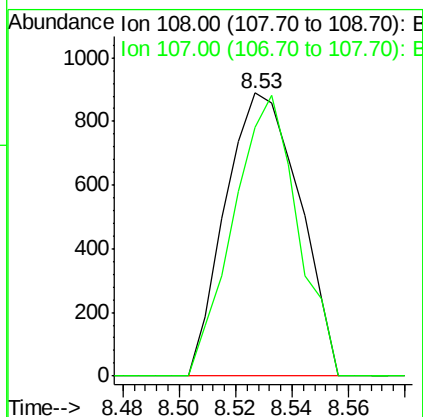
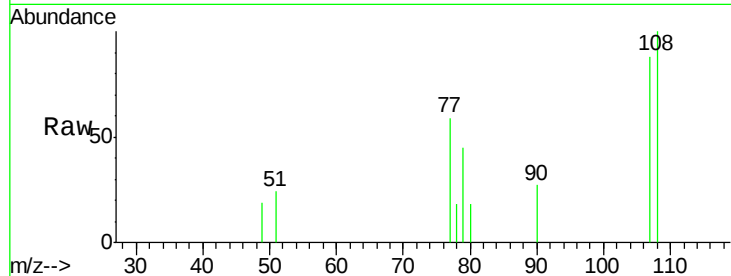




#11
2-Methylphenol
Concen: 1.32 ng/ul
RT: 8.53 min Scan# 968
Delta R.T. -0.00 min
Lab File: BG020298.D
Acq: 19 Dec 2015 6:09

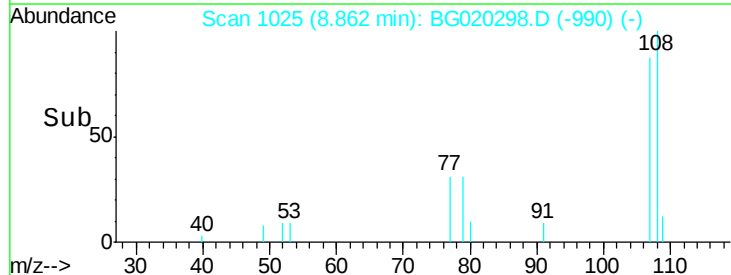
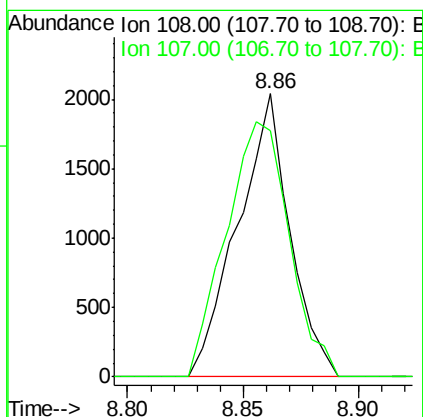
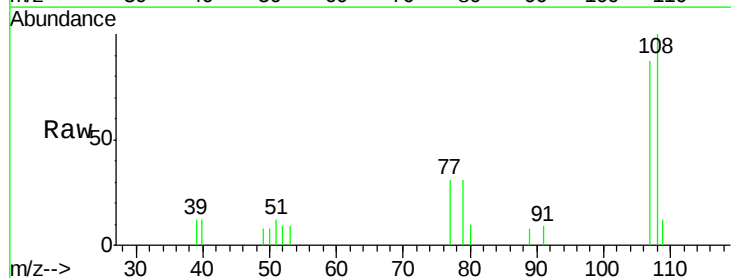
Instrument :
BNA_G
ClientSampleId :
D9N42

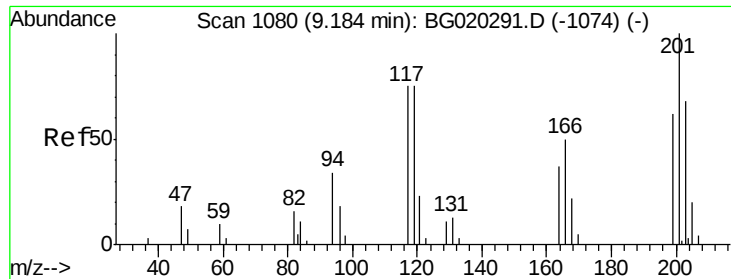
Tgt Ion:108 Resp: 1622
Ion Ratio Lower Upper
108 100
107 87.9 67.5 101.3



#16
4-Methylphenol
Concen: 2.36 ng/ul
RT: 8.86 min Scan# 1025
Delta R.T. 0.01 min
Lab File: BG020298.D
Acq: 19 Dec 2015 6:09

Tgt Ion:108 Resp: 3209
Ion Ratio Lower Upper
108 100
107 87.2 88.9 133.3#

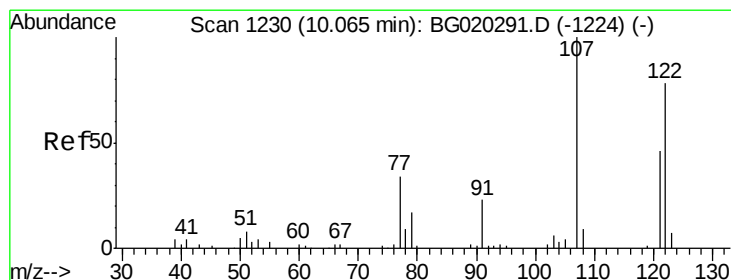
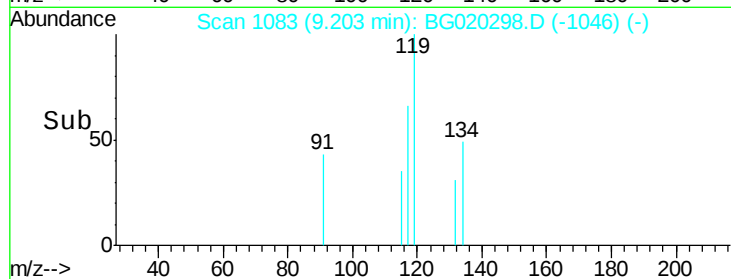
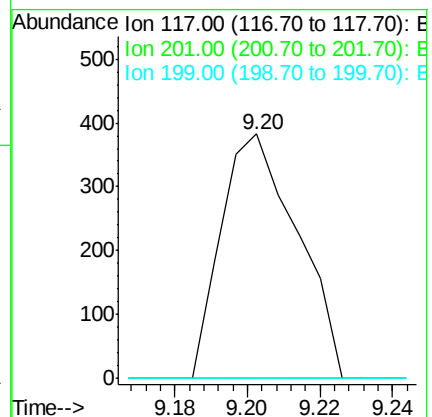
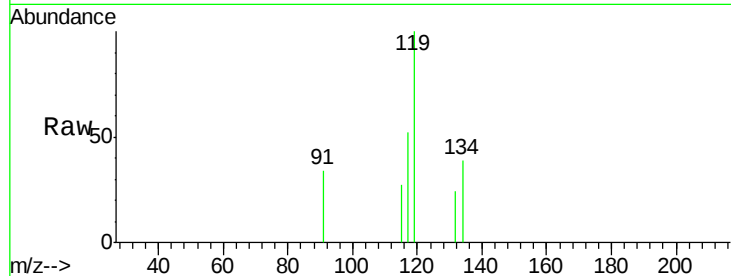




#17
Hexachloroethane
Concen: 1.16 ng/ul
RT: 9.20 min Scan# 1083
Delta R.T. 0.02 min
Lab File: BG020298.D
Acq: 19 Dec 2015 6:09

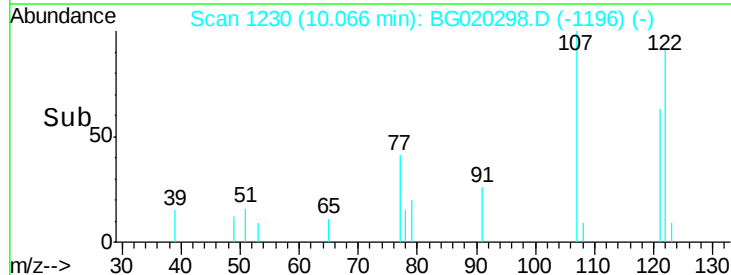
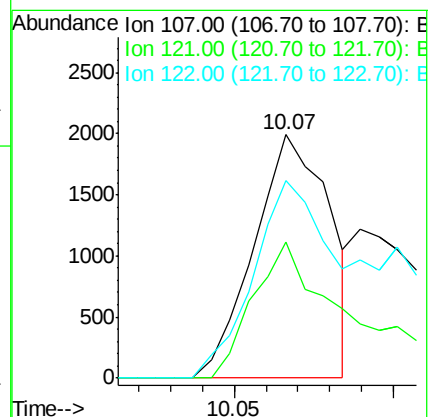
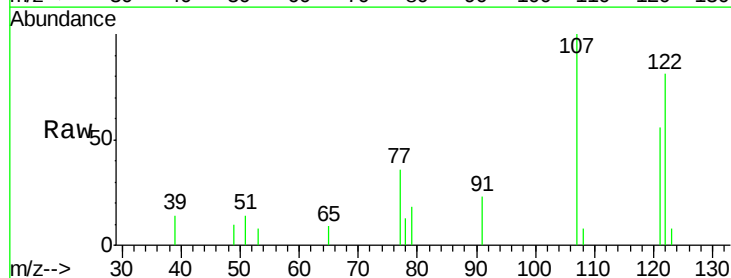
Instrument :
BNA_G
ClientSampleId :
D9N42

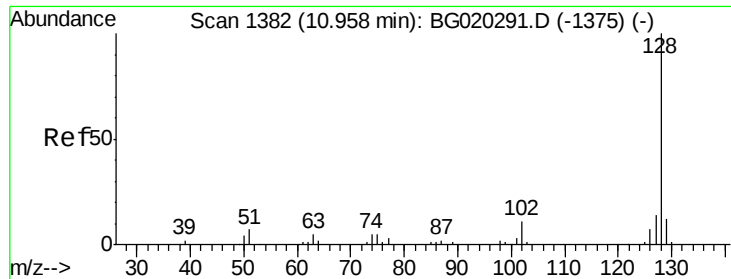
Tgt Ion:117 Resp: 557
Ion Ratio Lower Upper
117 100
201 0.0 102.7 154.1#
199 0.0 65.8 98.8#



#24
2,4-Dimethylphenol
Concen: 2.09 ng/ul
RT: 10.07 min Scan# 1230
Delta R.T. 0.00 min
Lab File: BG020298.D
Acq: 19 Dec 2015 6:09

Tgt Ion:107 Resp: 3316
Ion Ratio Lower Upper
107 100
121 55.9 39.0 58.4
122 81.3 62.1 93.1

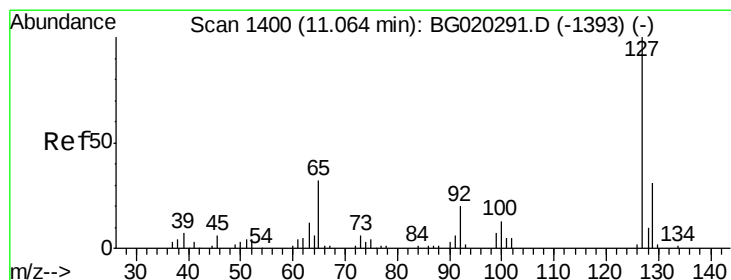
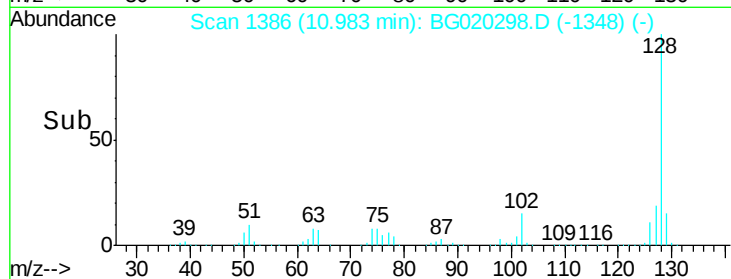
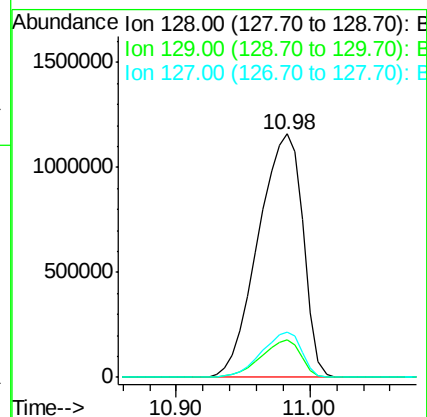
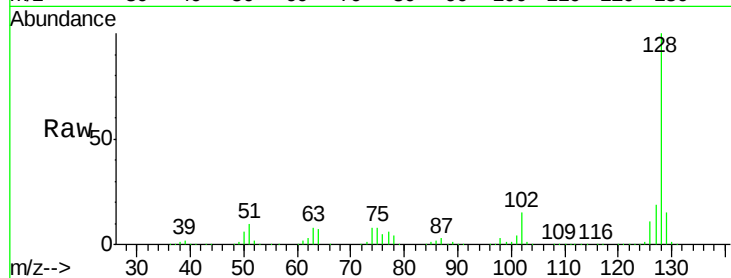




#28
Naphthalene
Concen: 687.05 ng/ul
RT: 10.98 min Scan# 1386
Delta R.T. 0.02 min
Lab File: BG020298.D
Acq: 19 Dec 2015 6:09

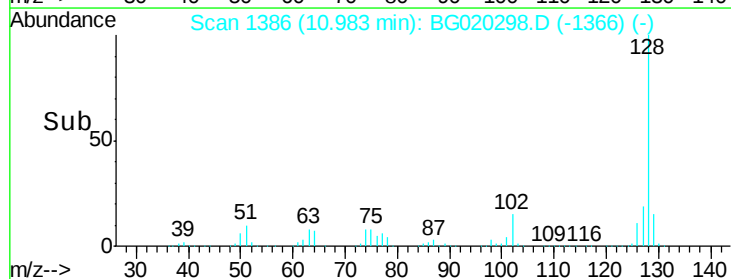
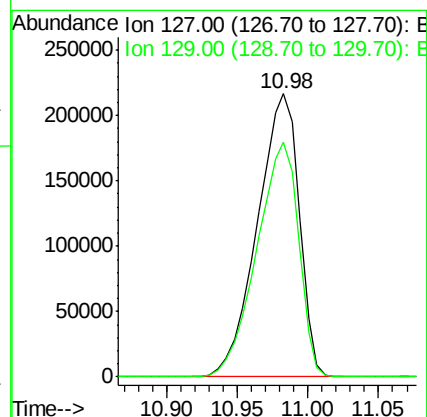
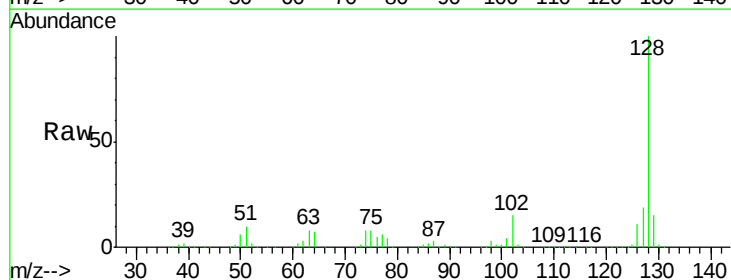
Instrument :
BNA_G
ClientSampleId :
D9N42

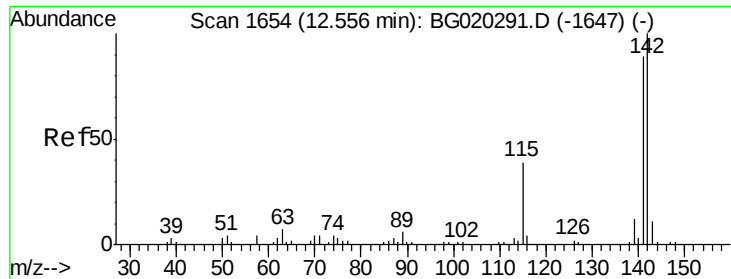
Tgt Ion:128 Resp: 2691634
Ion Ratio Lower Upper
128 100
129 15.5 8.6 12.8#
127 18.7 10.1 15.1#



#30
4-Chloroaniline
Concen: 297.87 ng/ul
RT: 10.98 min Scan# 1386
Delta R.T. -0.08 min
Lab File: BG020298.D
Acq: 19 Dec 2015 6:09

Tgt Ion:127 Resp: 450210
Ion Ratio Lower Upper
127 100
129 83.0 25.7 38.5#

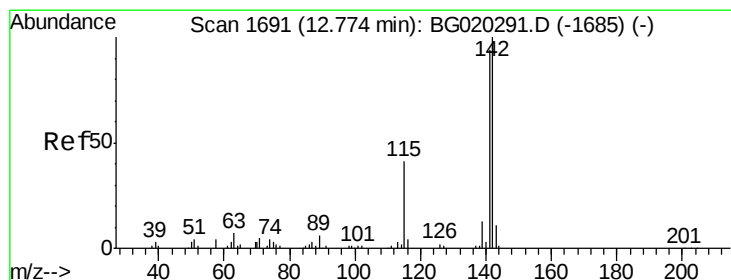
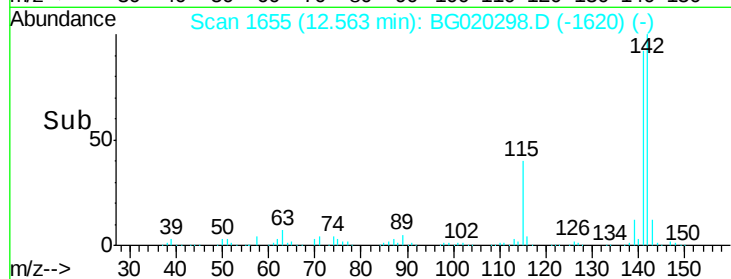
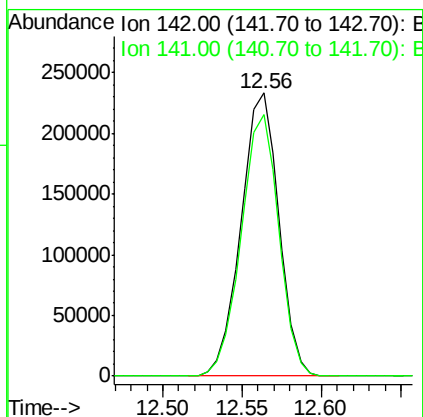
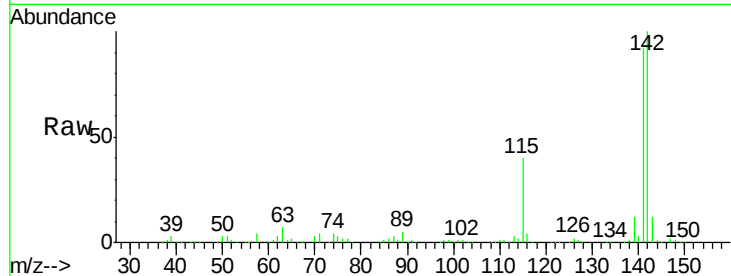




#34
 2-Methylnaphthalene
 Concen: 129.00 ng/ul
 RT: 12.56 min Scan# 1655
 Delta R.T. 0.01 min
 Lab File: BG020298.D
 Acq: 19 Dec 2015 6:09

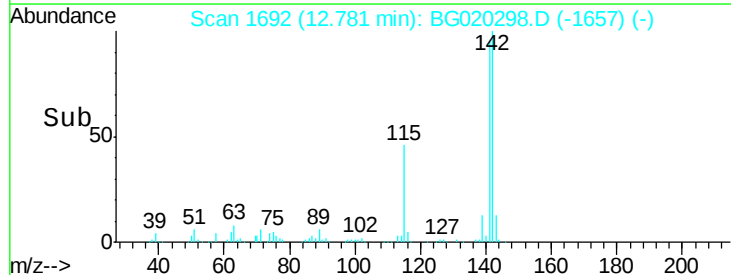
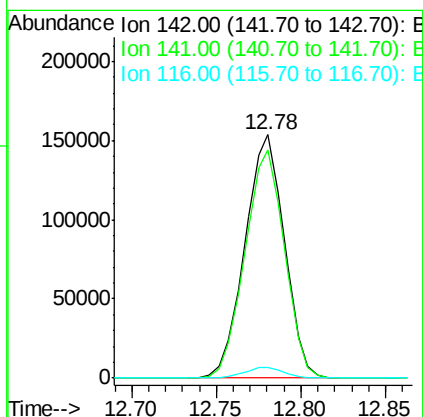
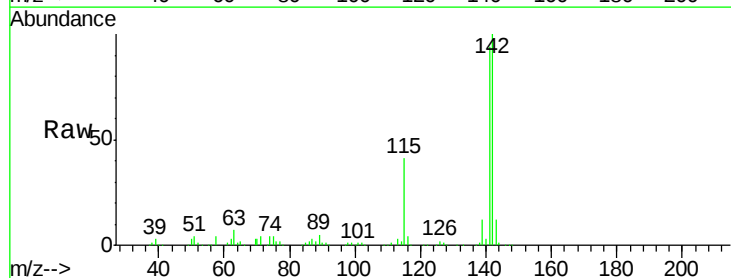
Instrument :
 BNA_G
 ClientSampled :
 D9N42

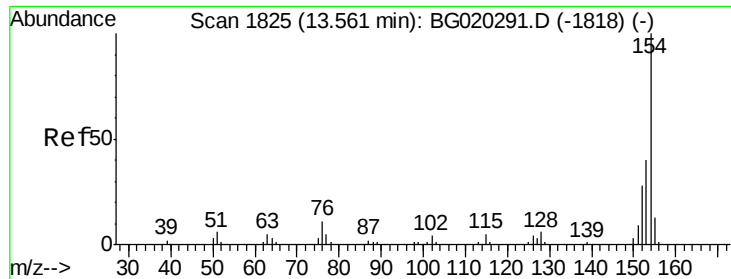
Tgt Ion:142 Resp: 386021
 Ion Ratio Lower Upper
 142 100
 141 92.3 74.9 112.3



#35
 1-Methylnaphthalene
 Concen: 86.73 ng/ul
 RT: 12.78 min Scan# 1692
 Delta R.T. 0.01 min
 Lab File: BG020298.D
 Acq: 19 Dec 2015 6:09

Tgt Ion:142 Resp: 249508
 Ion Ratio Lower Upper
 142 100
 141 93.9 73.0 109.6
 116 4.3 3.0 4.6

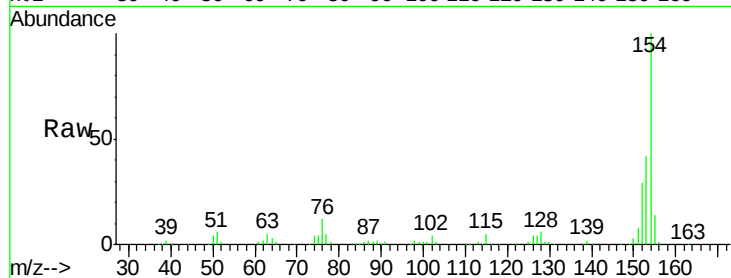




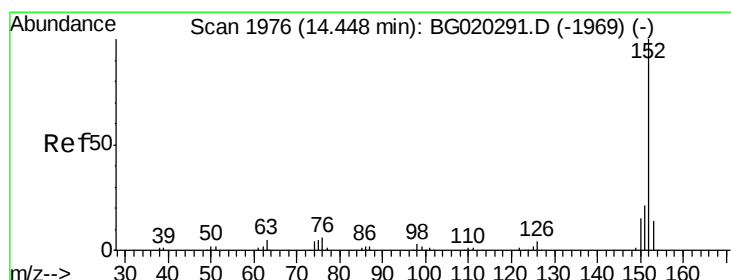
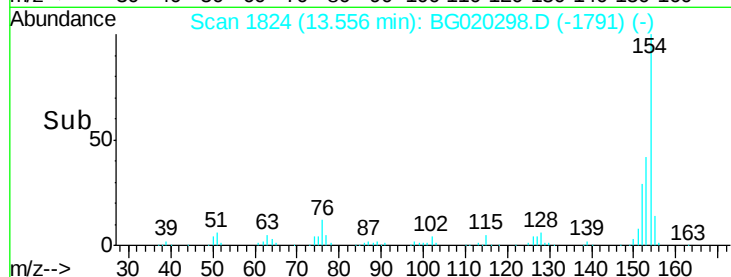
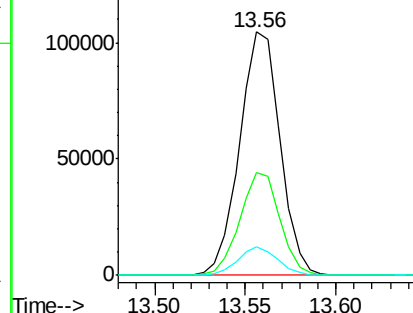
#41
1,1'-Biphenyl
Concen: 41.09 ng/ul
RT: 13.56 min Scan# 1824
Delta R.T. -0.00 min
Lab File: BG020298.D
Acq: 19 Dec 2015 6:09

Instrument :
BNA_G
ClientSampleId :
D9N42

Tgt Ion	Ratio	Lower	Upper
154	100		
153	42.0	35.5	53.3
76	11.5	10.4	15.6

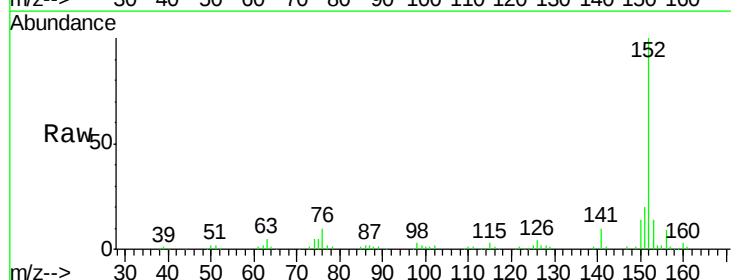


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): B

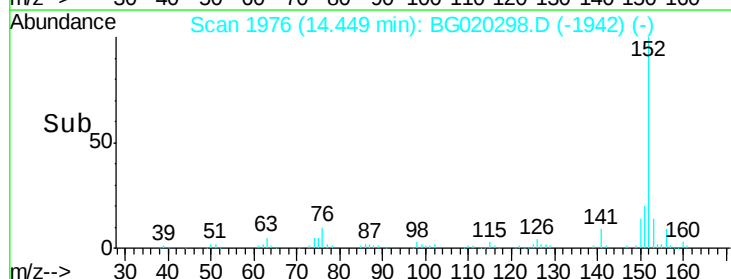
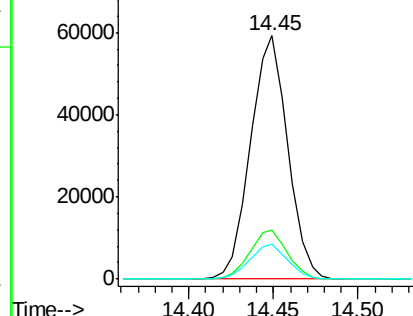


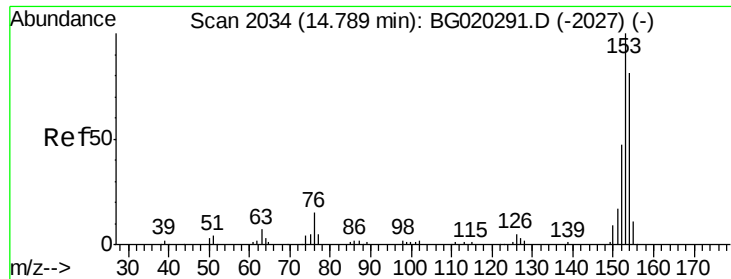
#48
Acenaphthylene
Concen: 17.34 ng/ul
RT: 14.45 min Scan# 1976
Delta R.T. 0.00 min
Lab File: BG020298.D
Acq: 19 Dec 2015 6:09

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.4	24.6
153	14.2	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: 209.65 ng/ul

RT: 14.80 min Scan# 2035

Delta R.T. 0.01 min

Lab File: BG020298.D

Acq: 19 Dec 2015 6:09

Instrument :

BNA_G

ClientSampleId :

D9N42

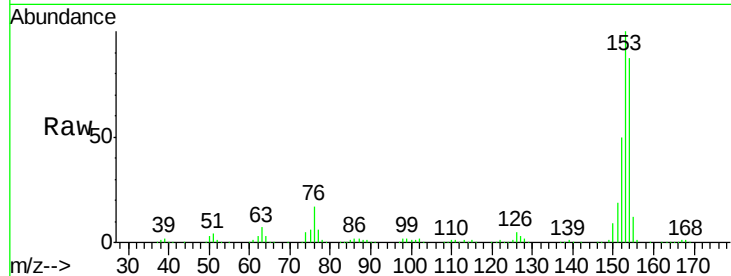
Tgt Ion:153 Resp: 737099

Ion Ratio Lower Upper

153 100

152 49.5 37.6 56.4

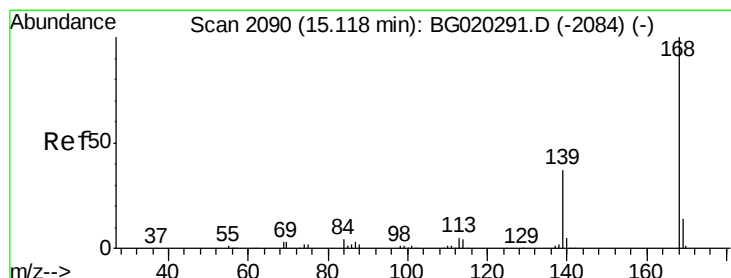
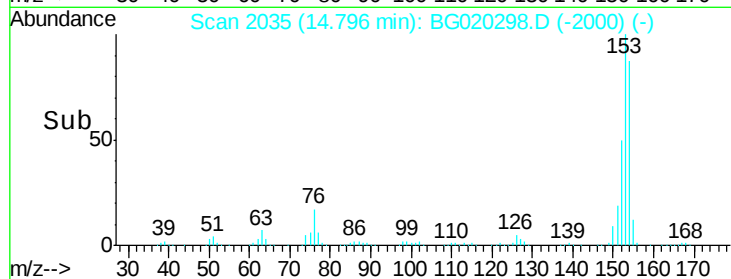
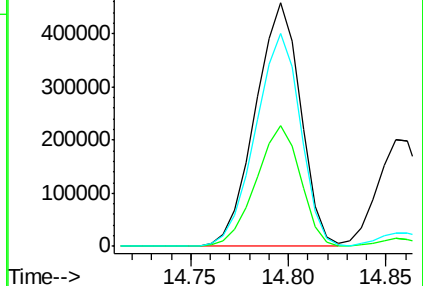
154 87.5 67.9 101.9



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

Dibenzofuran

Concen: 101.72 ng/ul

RT: 15.13 min Scan# 2091

Delta R.T. 0.01 min

Lab File: BG020298.D

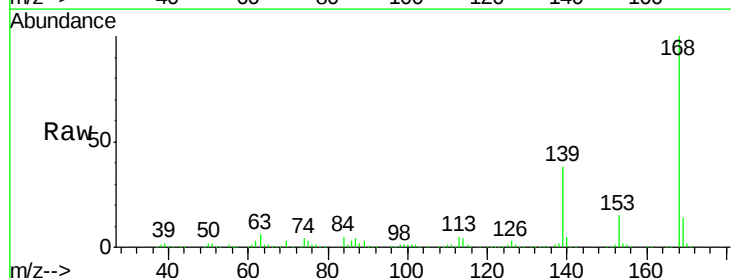
Acq: 19 Dec 2015 6:09

Tgt Ion:168 Resp: 532026

Ion Ratio Lower Upper

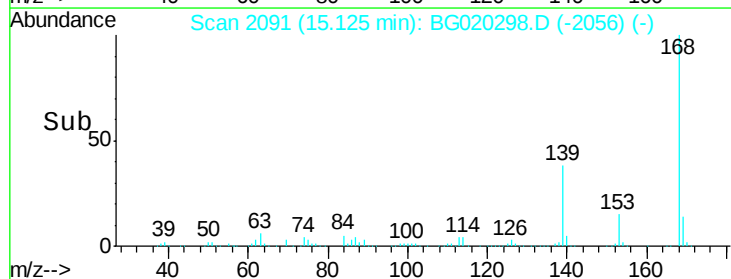
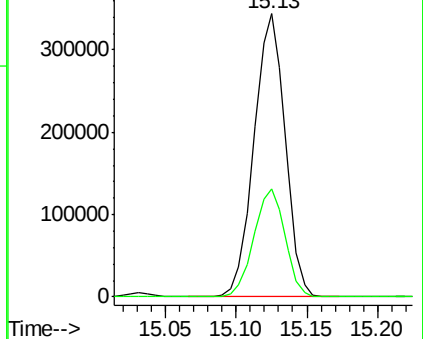
168 100

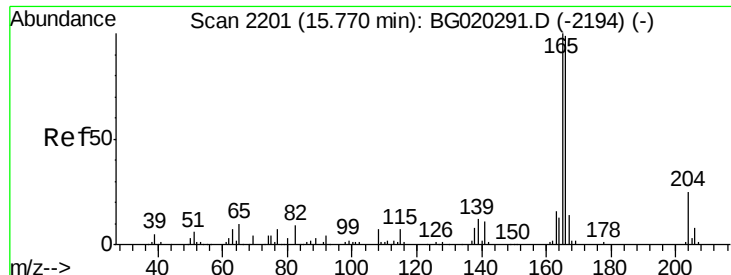
139 38.2 30.5 45.7



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#59

Fluorene

Concen: 113.88 ng/ul

RT: 15.78 min Scan# 2202

Delta R.T. 0.01 min

Lab File: BG020298.D

Acq: 19 Dec 2015 6:09

Instrument :

BNA_G

ClientSampleId :

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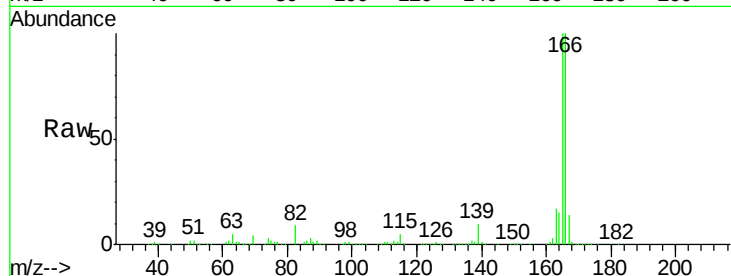
Tgt Ion:166 Resp: 478295

Ion Ratio Lower Upper

166 100

165 100.3 81.4 122.0

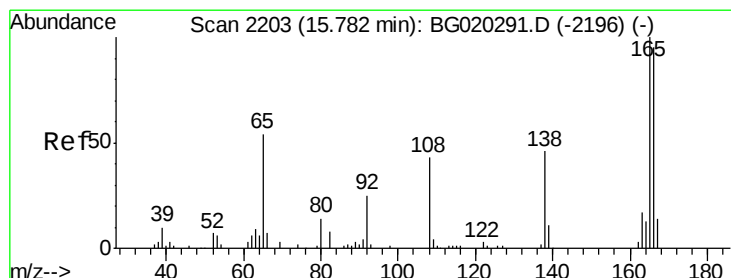
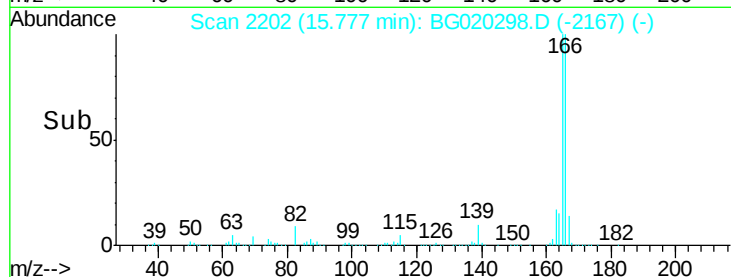
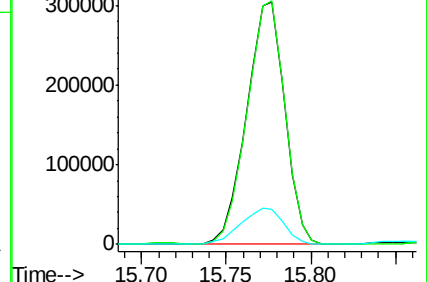
167 14.4 11.2 16.8



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: 6.54 ng/ul

RT: 15.77 min Scan# 2201

Delta R.T. -0.01 min

Lab File: BG020298.D

Acq: 19 Dec 2015 6:09

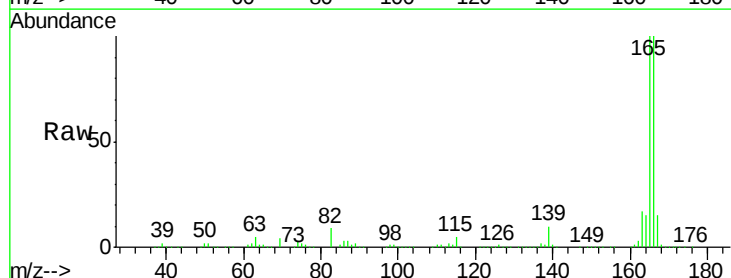
Tgt Ion:138 Resp: 6131

Ion Ratio Lower Upper

138 100

92 0.0 45.2 67.8#

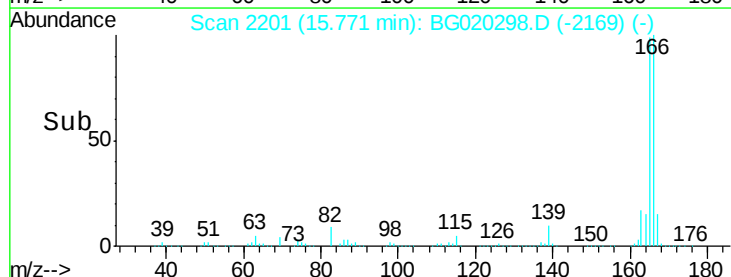
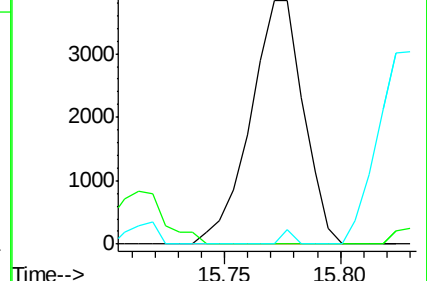
108 0.0 75.4 113.0#

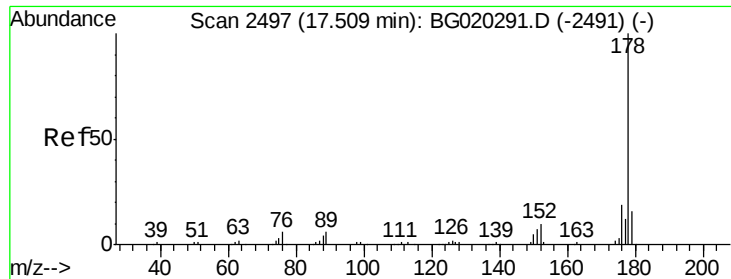


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BG0

Ion 108.00 (107.70 to 108.70): E





#70

Phenanthrene

Concen: 177.12 ng/ul

RT: 17.52 min Scan# 2499

Delta R.T. 0.01 min

Lab File: BG020298.D

Acq: 19 Dec 2015 6:09

Instrument :

BNA_G

ClientSampleId :

D9N42

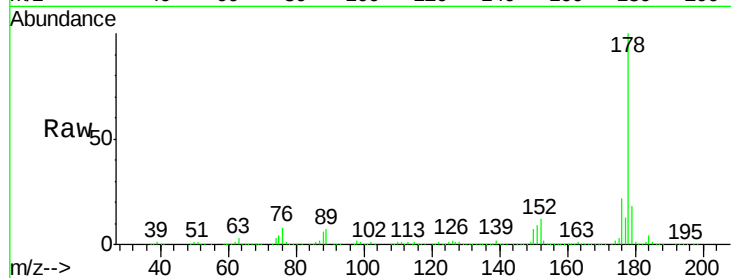
Tgt Ion:178 Resp: 1243261

Ion Ratio Lower Upper

178 100

179 17.7 12.9 19.3

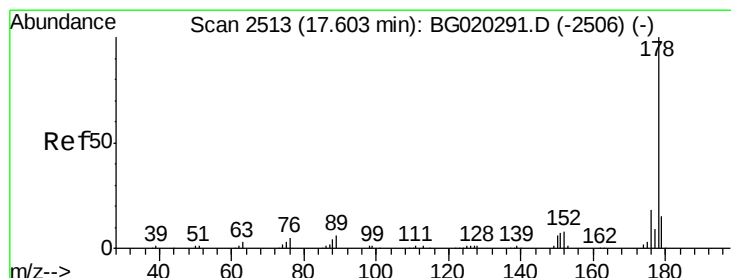
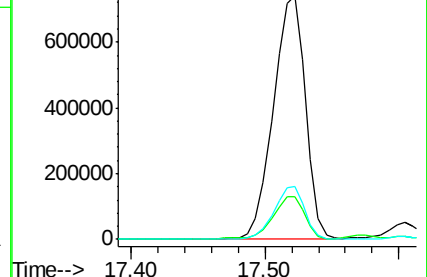
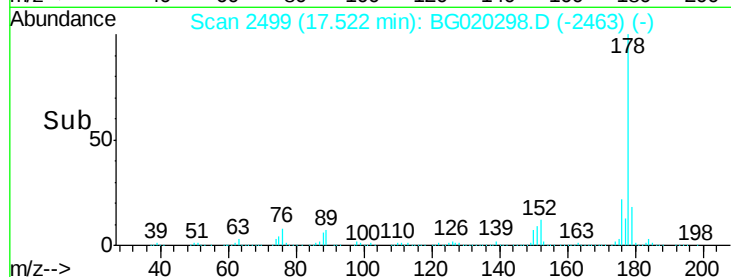
176 21.8 15.3 22.9



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: 11.63 ng/ul

RT: 17.60 min Scan# 2513

Delta R.T. 0.00 min

Lab File: BG020298.D

Acq: 19 Dec 2015 6:09

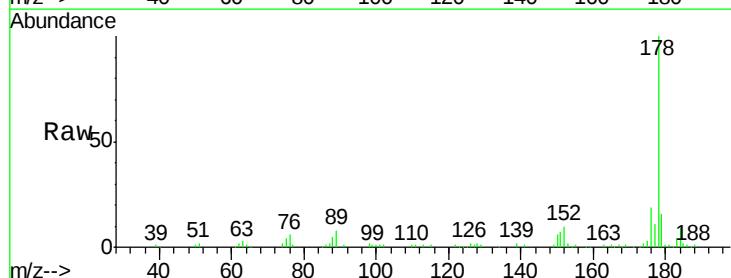
Tgt Ion:178 Resp: 82831

Ion Ratio Lower Upper

178 100

179 15.7 12.3 18.5

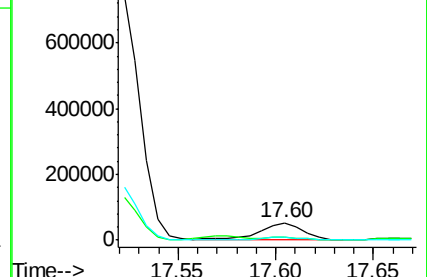
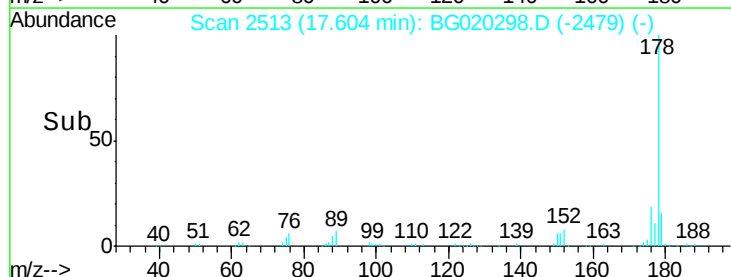
176 19.2 14.3 21.5

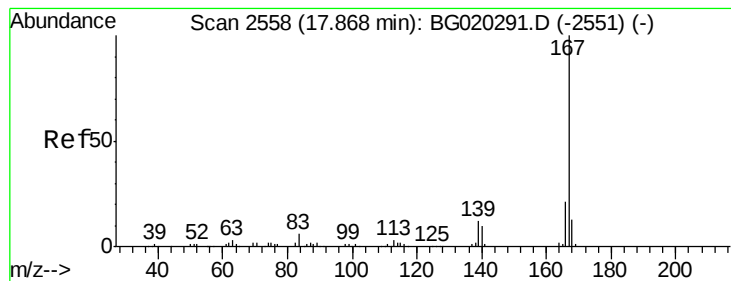


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#75

Carbazole

Concen: 156.48 ng/ul

RT: 17.88 min Scan# 2560

Delta R.T. 0.01 min

Lab File: BG020298.D

Acq: 19 Dec 2015 6:09

Instrument :

BNA_G

ClientSampleId :

D9N42

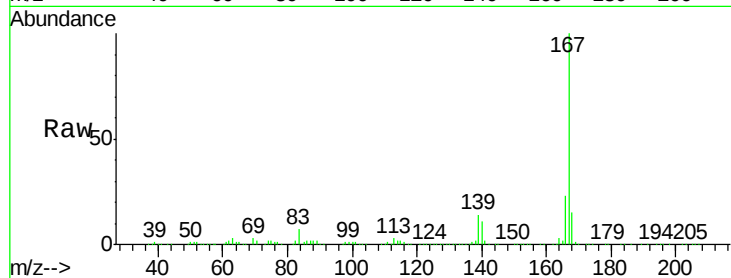
Tgt Ion:167 Resp: 936097

Ion Ratio Lower Upper

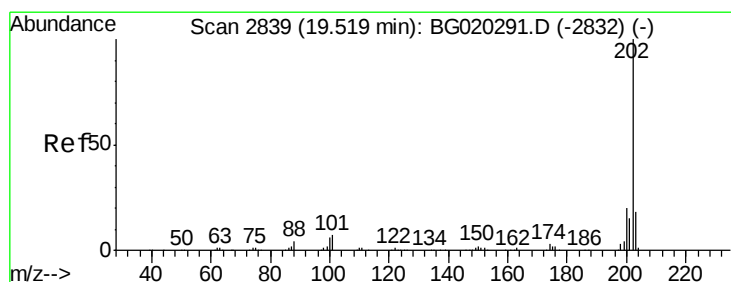
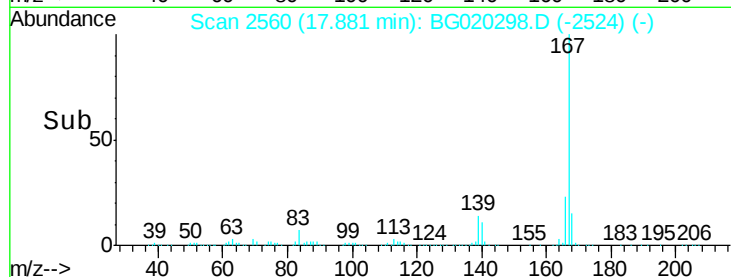
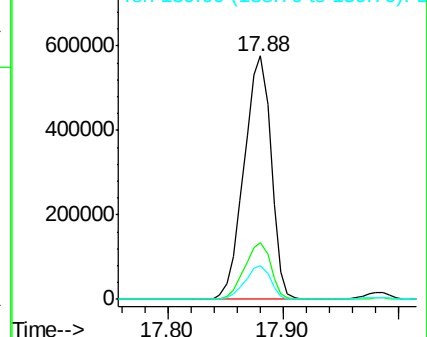
167 100

166 23.4 17.0 25.6

139 13.8 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: 43.05 ng/ul

RT: 19.52 min Scan# 2839

Delta R.T. 0.00 min

Lab File: BG020298.D

Acq: 19 Dec 2015 6:09

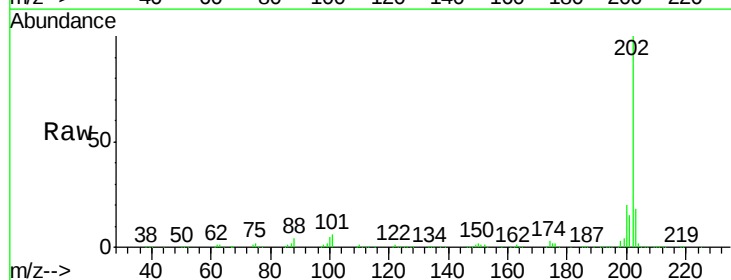
Tgt Ion:202 Resp: 353137

Ion Ratio Lower Upper

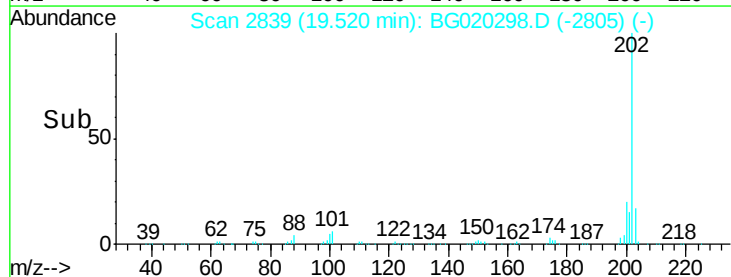
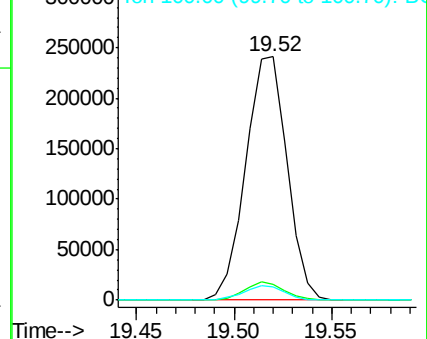
202 100

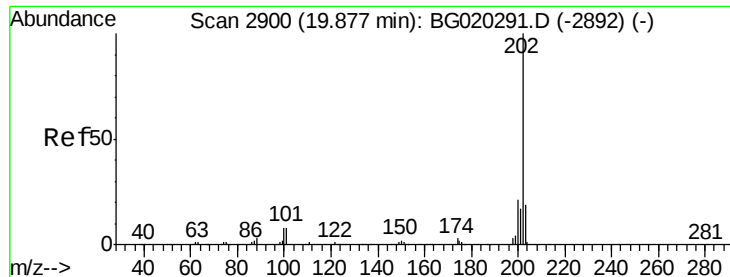
101 6.5 6.2 9.4

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

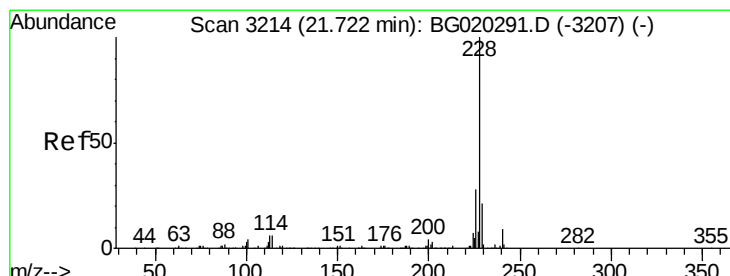
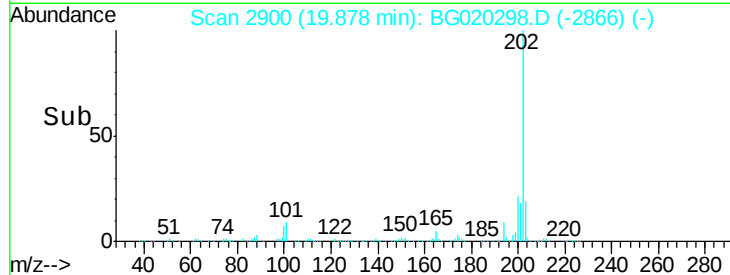
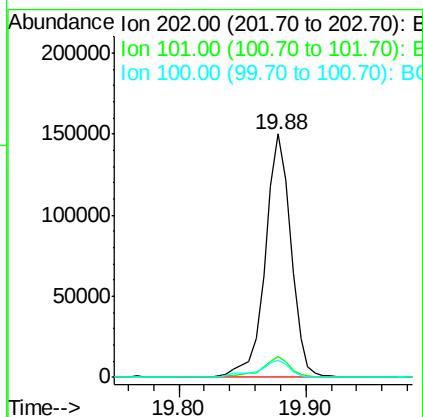
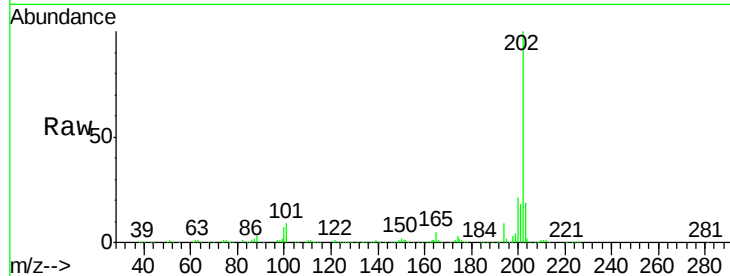




#80
Pyrene
Concen: 20.08 ng/ul
RT: 19.88 min Scan# 2900
Delta R.T. 0.00 min
Lab File: BG020298.D
Acq: 19 Dec 2015 6:09

Instrument :
BNA_G
ClientSampleId :
D9N42

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.8	7.0	10.4
100	7.2	6.4	9.6



#83
Benzo(a)anthracene
Concen: 1.03 ng/ul
RT: 21.72 min Scan# 3213
Delta R.T. -0.00 min
Lab File: BG020298.D
Acq: 19 Dec 2015 6:09

Tgt Ion	Ratio	Lower	Upper
228	100		
229	23.1	15.8	23.8
226	26.6	21.8	32.6

