

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121915\
 Data File : BG020300.D
 Acq On : 19 Dec 2015 7:27
 Operator : UM/SJ
 Sample : G4768-20
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N44

Quant Time: Dec 20 03:24:19 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	8.09	152	19740	20.00	ng/ul	0.00
18) Naphthalene-d8	10.94	136	70362	20.00	ng/ul	0.03
36) Acenaphthene-d10	14.73	164	57810	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.47	188	134867	20.00	ng/ul	0.00
78) Chrysene-d12	21.74	240	181229	20.00	ng/ul	0.00
86) Perylene-d12	25.02	264	171412	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.47	96	501	1.40	ng/uL	0.00
5) Phenol-d5	7.24	99	13508	7.76	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.41	67	31675	30.50	ng/ul	0.00
9) 2-Chlorophenol-d4	7.62	132	33725	26.64	ng/ul	0.00
13) 4-Methylphenol-d8	8.79	113	23798	15.99	ng/ul	0.00
19) Nitrobenzene-d5	9.26	128	21991	40.09	ng/ul	0.00
22) 2-Nitrophenol-d4	9.99	143	25787	42.25	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.54	165	42125	34.07	ng/ul	0.02
29) 4-Chloroaniline-d4	11.06	131	1879	1.35	ng/ul	0.02
44) Dimethylphthalate-d6	14.14	166	145638	31.15	ng/ul	0.01
47) Acenaphthylene-d8	14.42	160	174556	32.08	ng/ul	0.00
52) 4-Nitrophenol-d4	14.92	143	7321	8.73	ng/ul	0.00
58) Fluorene-d10	15.72	176	133741	31.53	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.83	200	21781	27.24	ng/ul	0.00
71) Anthracene-d10	17.57	188	206947	33.30	ng/ul	0.00
79) Pyrene-d10	19.85	212	249557	29.54	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.79	264	275069	32.17	ng/ul	0.00

Target Compounds

						Qvalue
4) Benzaldehyde	7.23	77	1271	1.13	ng/ul#	1
6) Phenol	7.27	94	4746	2.55	ng/ul#	87
11) 2-Methylphenol	8.53	108	38045	26.75	ng/ul	93
14) Acetophenone	8.92	105	20771	8.91	ng/ul#	92
16) 4-Methylphenol	8.86	108	49730	31.60	ng/ul	95
17) Hexachloroethane	9.21	117	2634	4.73	ng/ul#	1
24) 2,4-Dimethylphenol	10.08	107	161744	108.84	ng/ul	100
25) Bis(2-Chloroethoxy)methane	10.35	93	3488	2.32	ng/ul#	1
28) Naphthalene	11.04	128	8320248	2264.37	ng/ul#	46
30) 4-Chloroaniline	11.04	127	2263232	1596.52	ng/ul#	12
34) 2-Methylnaphthalene	12.58	142	1465578	522.18	ng/ul	100
35) 1-Methylnaphthalene	12.80	142	852762	316.04	ng/ul#	96
41) 1,1'-Biphenyl	13.57	154	453934	104.08	ng/ul	98
46) 2,6-Dinitrotoluene	14.12	165	1586	1.61	ng/ul#	73
48) Acenaphthylene	14.45	152	299488	51.82	ng/ul	99
50) Acenaphthene	14.81	153	1616582	415.70	ng/ul	93
54) Dibenzofuran	15.13	168	1361392	235.33	ng/ul	92
59) Fluorene	15.78	166	958994	206.43	ng/ul	98
61) 4-Nitroaniline	15.78	138	12897	12.44	ng/ul#	16
70) Phenanthrene	17.61	178	88049	11.94	ng/ul	99
72) Anthracene	17.61	178	88585	11.84	ng/ul	97
75) Carbazole	17.90	167	2066969	328.77	ng/ul#	87
77) Fluoranthene	19.52	202	255136	29.59	ng/ul	98

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QLast Update : Sat Dec 19 04:52:13 2015
Response via : Initial Calibration

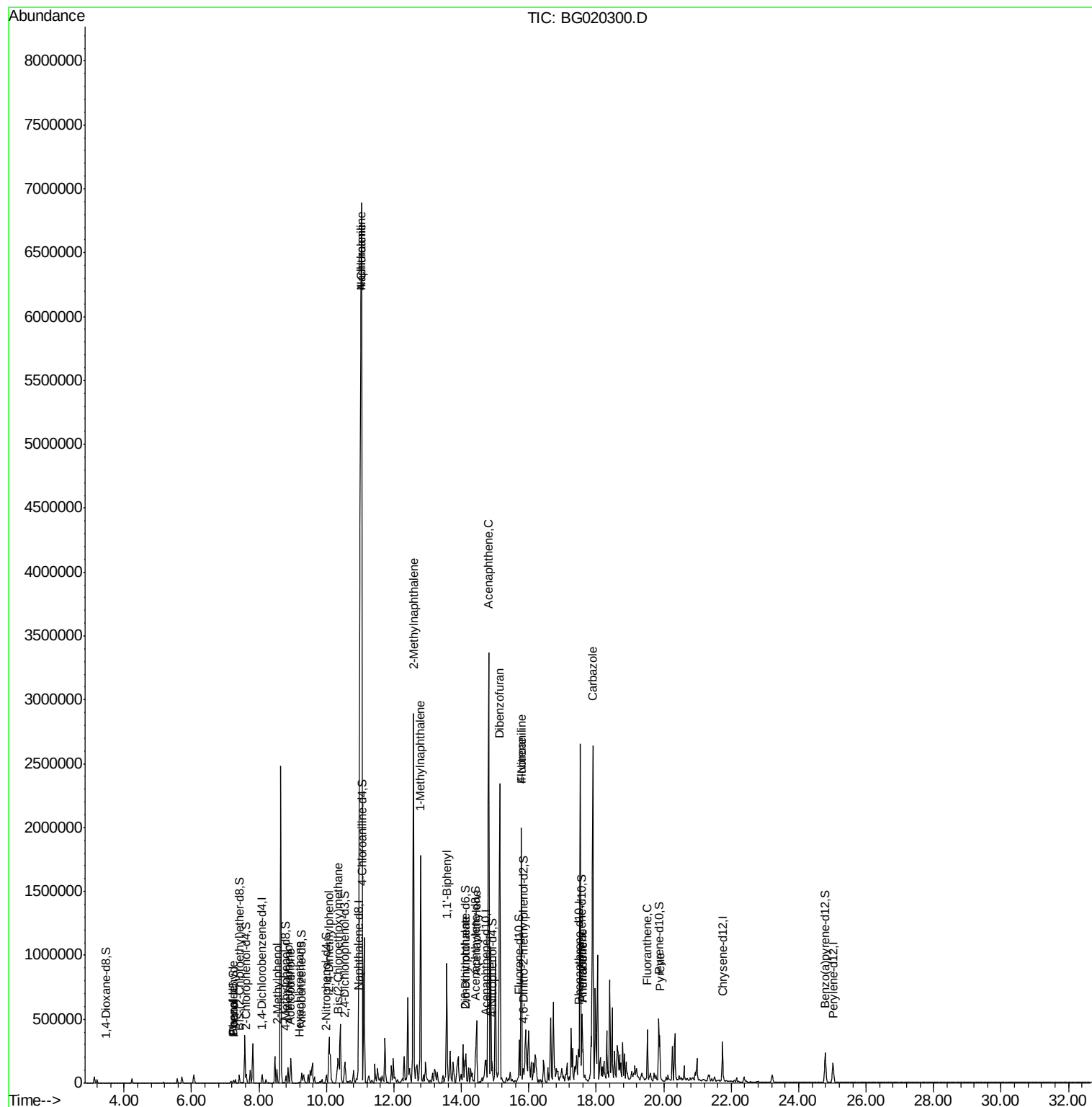
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) Pyrene	19.88	202	150764	13.74	ng/ul	99

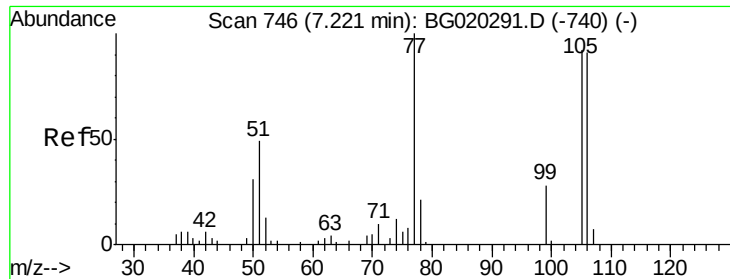
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

Benzaldehyde

Concen: 1.13 ng/ul

RT: 7.23 min Scan# 747

Delta R.T. 0.00 min

Lab File: BG020300.D

Acq: 19 Dec 2015 7:27

Instrument :

BNA_G

ClientSampleId :

D9N44

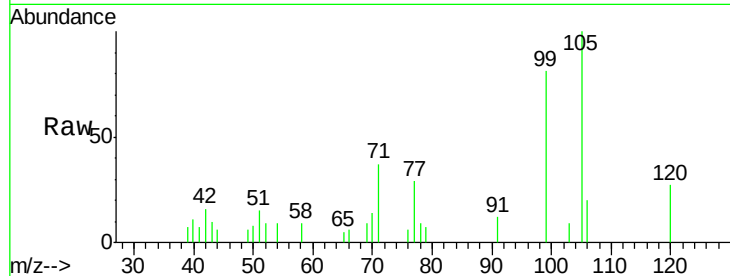
Tgt Ion: 77 Resp: 1271

Ion Ratio Lower Upper

77 100

105 347.2 77.8 116.6#

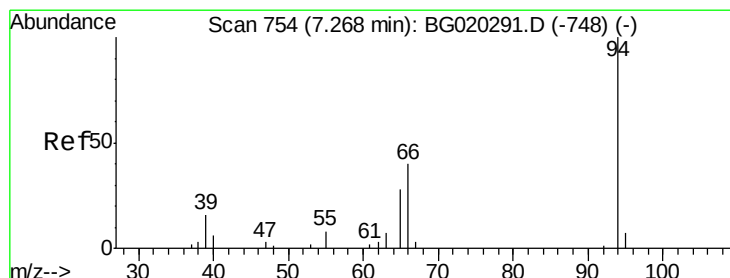
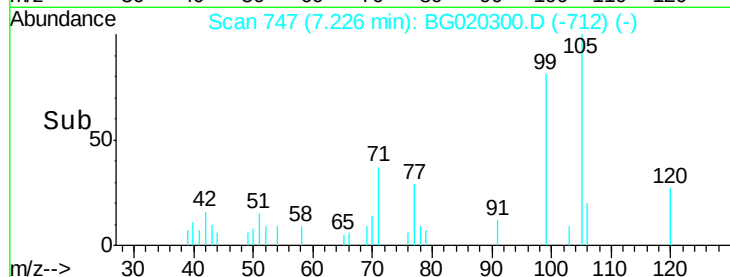
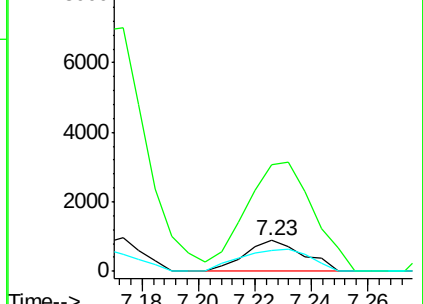
106 67.8 72.6 109.0#



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



#6

Phenol

Concen: 2.55 ng/ul

RT: 7.27 min Scan# 754

Delta R.T. -0.00 min

Lab File: BG020300.D

Acq: 19 Dec 2015 7:27

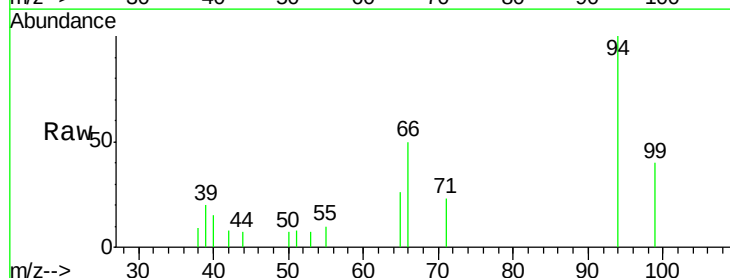
Tgt Ion: 94 Resp: 4746

Ion Ratio Lower Upper

94 100

65 26.2 26.3 39.5#

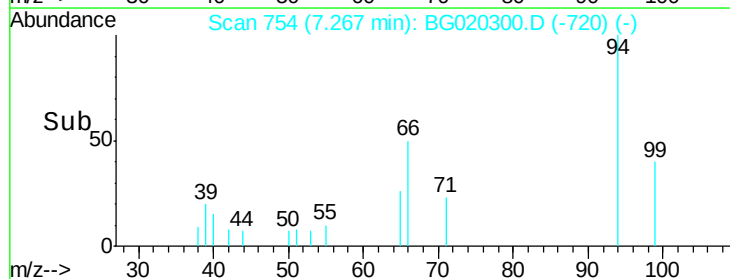
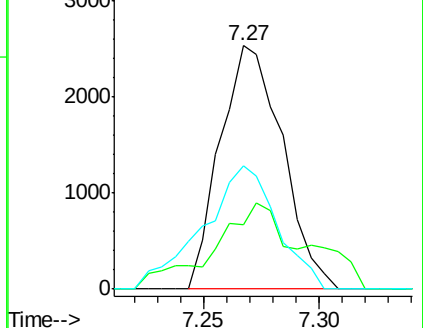
66 50.4 33.3 49.9#

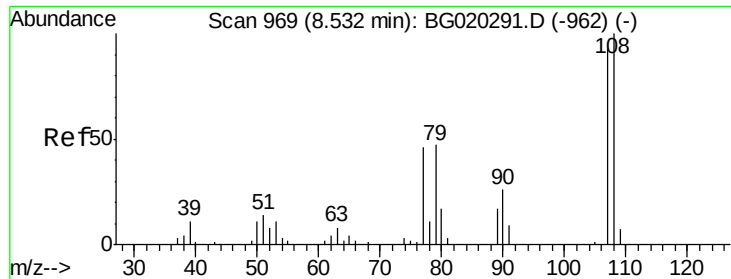


Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

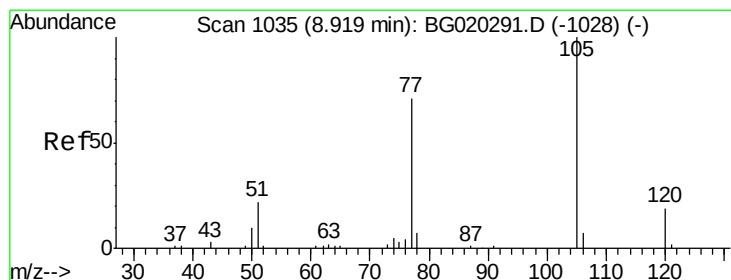
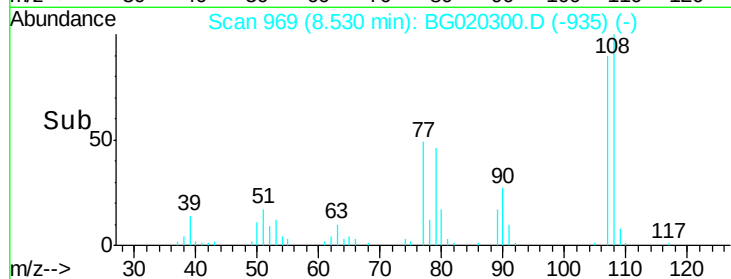
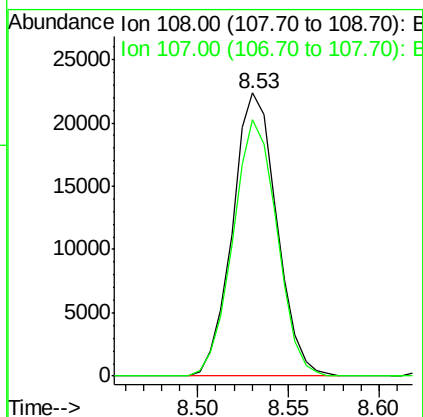
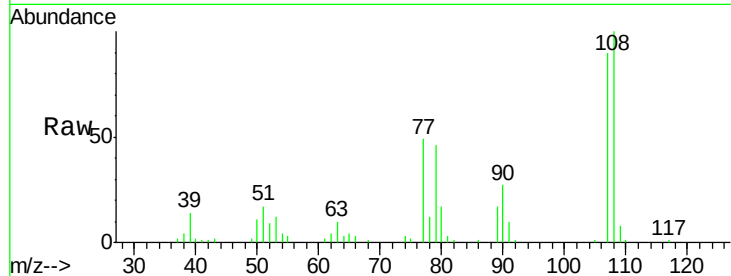




#11
2-Methylphenol
Concen: 26.75 ng/ul
RT: 8.53 min Scan# 969
Delta R.T. -0.00 min
Lab File: BG020300.D
Acq: 19 Dec 2015 7:27

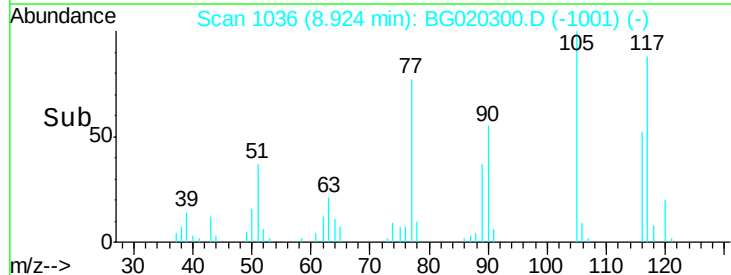
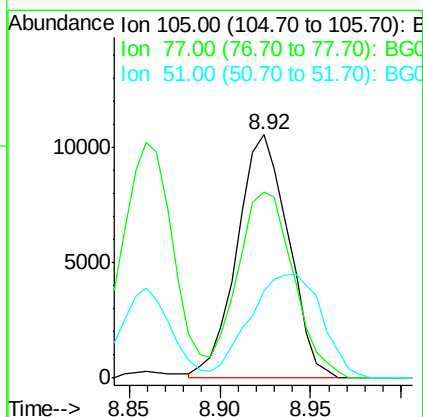
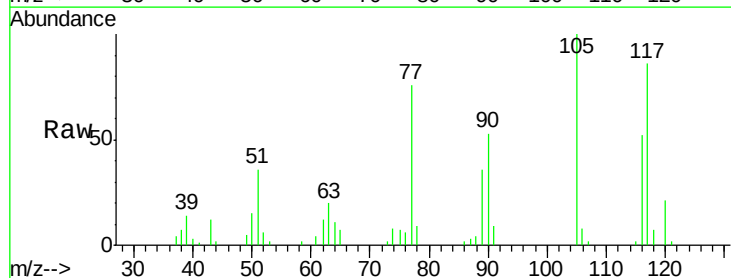
Instrument :
BNA_G
ClientSampleId :
D9N44

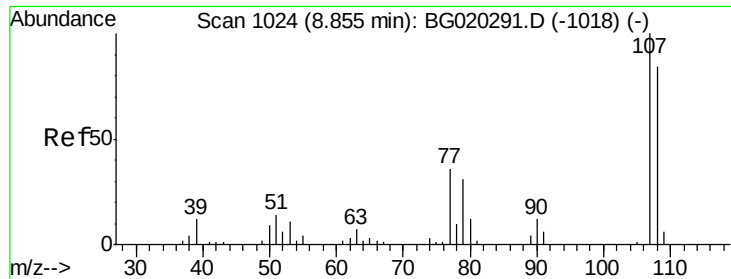
Tgt Ion:108 Resp: 38045
Ion Ratio Lower Upper
108 100
107 90.4 67.5 101.3



#14
Acetophenone
Concen: 8.91 ng/ul
RT: 8.92 min Scan# 1036
Delta R.T. 0.00 min
Lab File: BG020300.D
Acq: 19 Dec 2015 7:27

Tgt Ion:105 Resp: 20771
Ion Ratio Lower Upper
105 100
77 76.3 65.2 97.8
51 36.1 22.6 33.8#

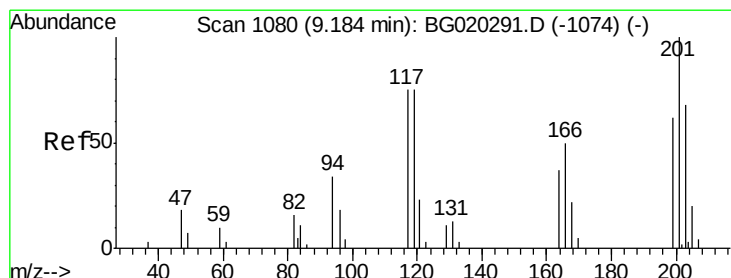
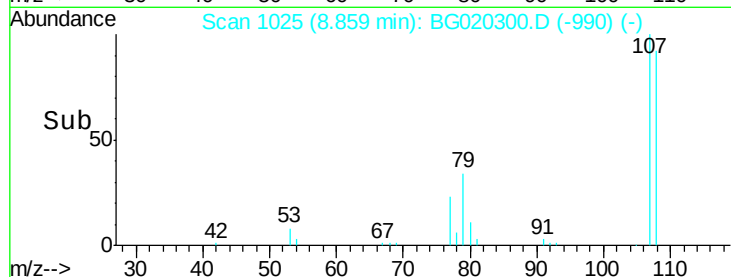
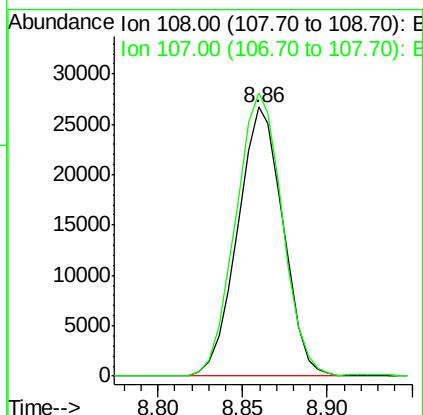
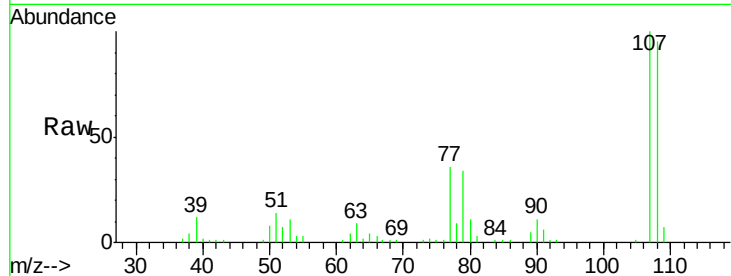




#16
4-Methylphenol
Concen: 31.60 ng/ul
RT: 8.86 min Scan# 1025
Delta R.T. 0.00 min
Lab File: BG020300.D
Acq: 19 Dec 2015 7:27

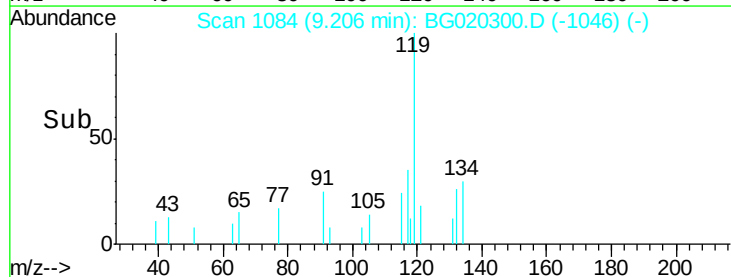
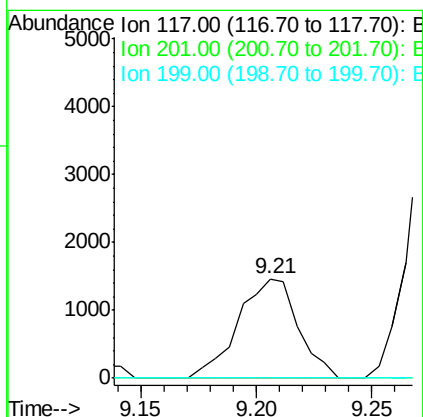
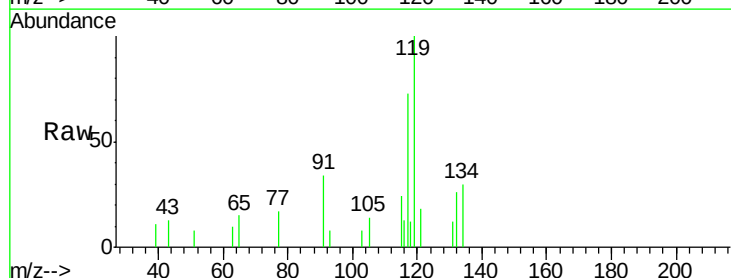
Instrument :
BNA_G
ClientSampleId :
D9N44

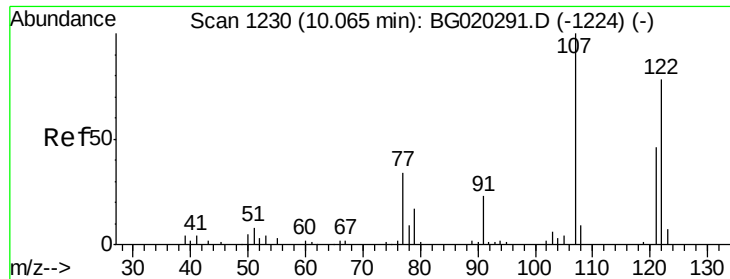
Tgt Ion:108 Resp: 49730
Ion Ratio Lower Upper
108 100
107 105.3 88.9 133.3



#17
Hexachloroethane
Concen: 4.73 ng/ul
RT: 9.21 min Scan# 1084
Delta R.T. 0.02 min
Lab File: BG020300.D
Acq: 19 Dec 2015 7:27

Tgt Ion:117 Resp: 2634
Ion Ratio Lower Upper
117 100
201 0.0 102.7 154.1#
199 0.0 65.8 98.8#

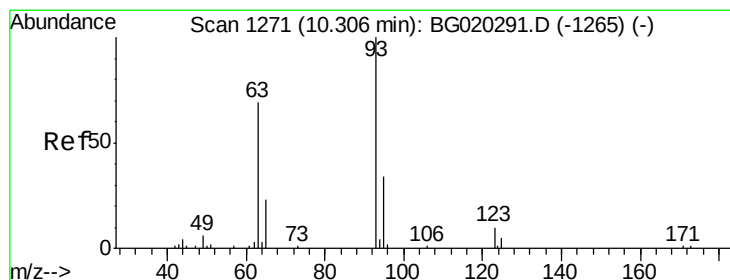
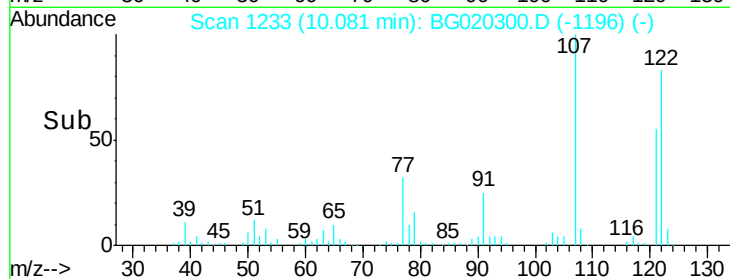
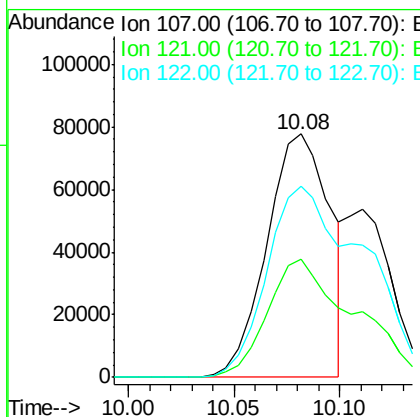
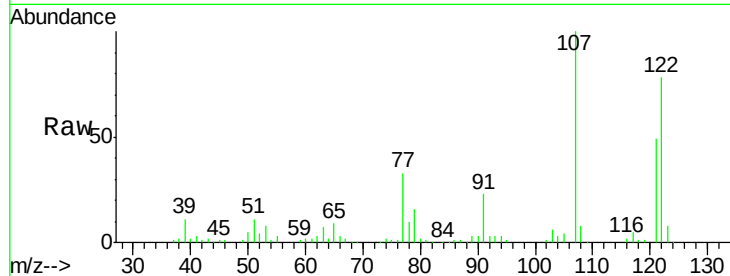




#24
 2,4-Dimethylphenol
 Concen: 108.84 ng/ul
 RT: 10.08 min Scan# 1233
 Delta R.T. 0.02 min
 Lab File: BG020300.D
 Acq: 19 Dec 2015 7:27

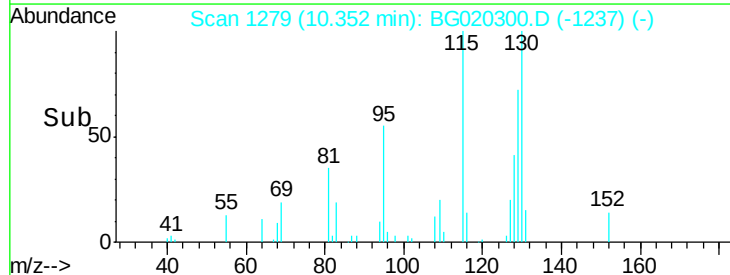
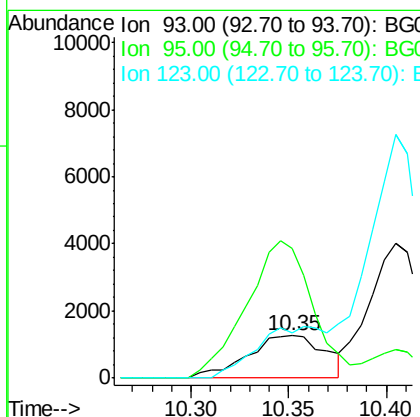
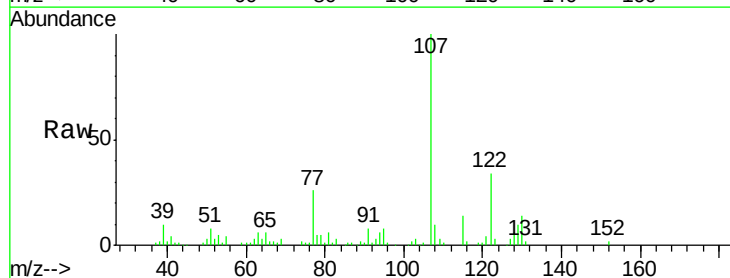
Instrument :
 BNA_G
 ClientSampled :
 D9N44

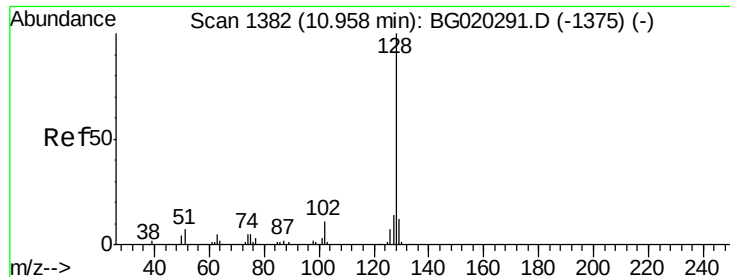
Tgt Ion: 107 Resp: 161744
 Ion Ratio Lower Upper
 107 100
 121 48.7 39.0 58.4
 122 78.3 62.1 93.1



#25
 Bis(2-Chloroethoxy)methane
 Concen: 2.32 ng/ul
 RT: 10.35 min Scan# 1279
 Delta R.T. 0.05 min
 Lab File: BG020300.D
 Acq: 19 Dec 2015 7:27

Tgt Ion: 93 Resp: 3488
 Ion Ratio Lower Upper
 93 100
 95 308.4 27.4 41.2#
 123 106.9 9.4 14.0#





#28

Naphthalene

Concen: 2264.37 ng/ul

RT: 11.04 min Scan# 1396

Delta R.T. 0.08 min

Lab File: BG020300.D

Acq: 19 Dec 2015 7:27

Instrument :

BNA_G

ClientSampleId :

D9N44

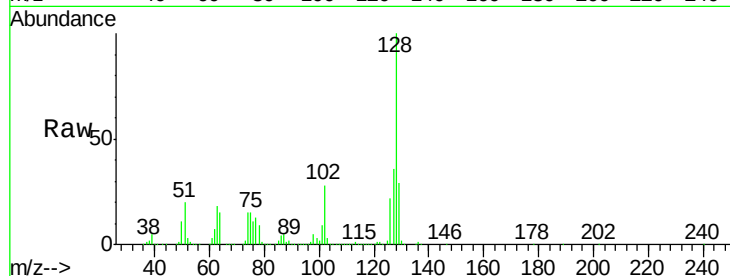
Tgt Ion:128 Resp: 8320248

Ion Ratio Lower Upper

128 100

129 29.1 8.6 12.8#

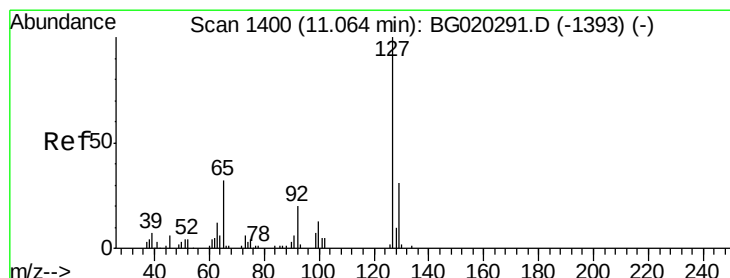
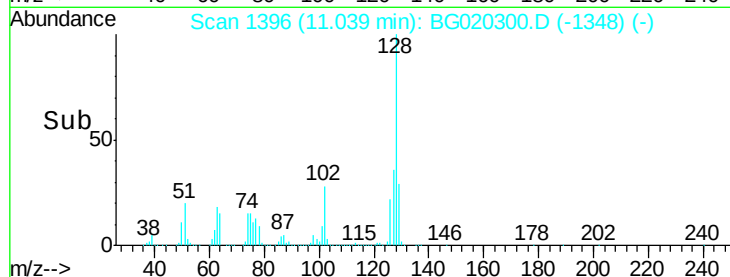
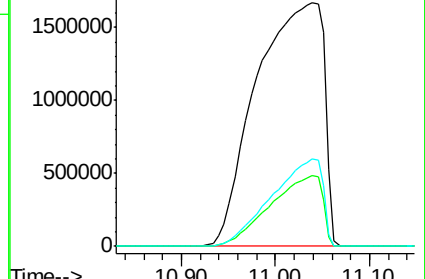
127 35.8 10.1 15.1#



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: 1596.52 ng/ul

RT: 11.04 min Scan# 1396

Delta R.T. -0.02 min

Lab File: BG020300.D

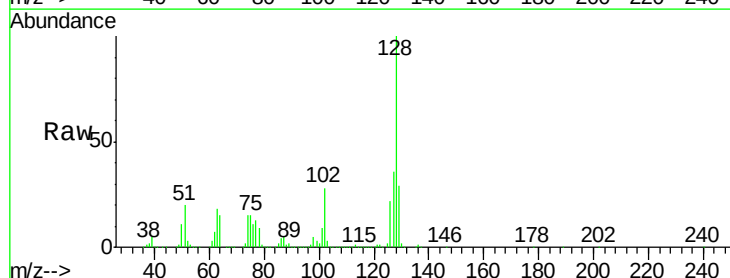
Acq: 19 Dec 2015 7:27

Tgt Ion:127 Resp: 2263232

Ion Ratio Lower Upper

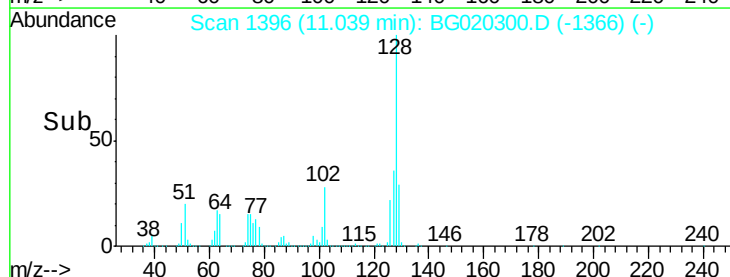
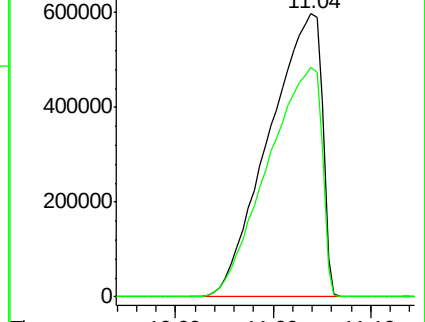
127 100

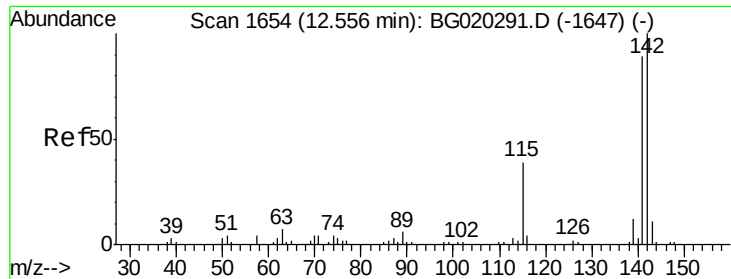
129 81.2 25.7 38.5#



Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

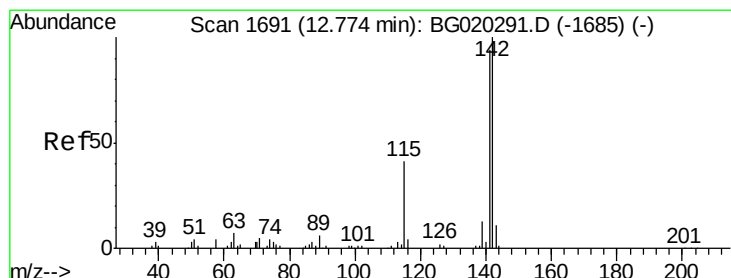
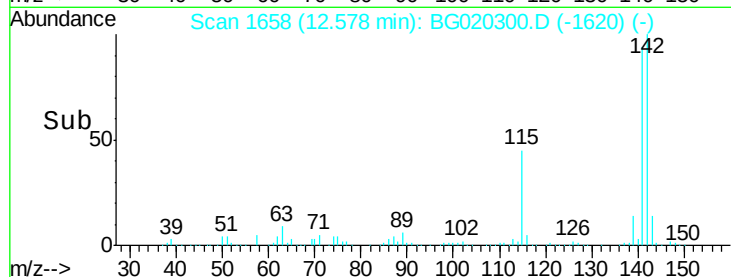
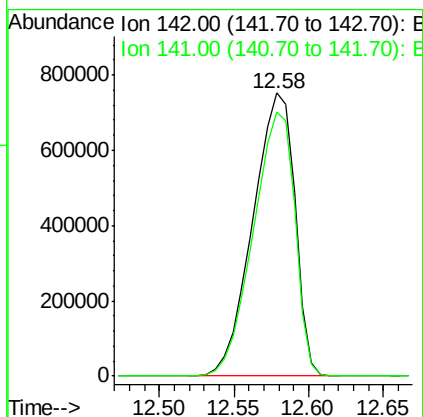
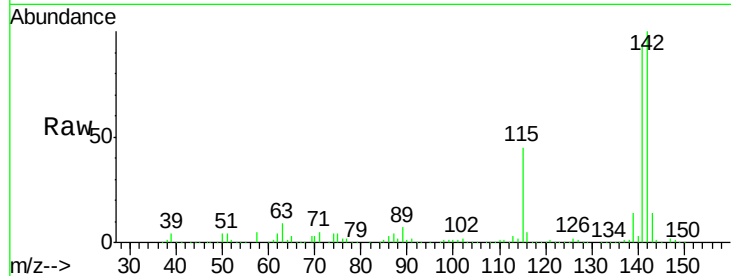




#34
2-Methylnaphthalene
Concen: 522.18 ng/ul
RT: 12.58 min Scan# 1658
Delta R.T. 0.02 min
Lab File: BG020300.D
Acq: 19 Dec 2015 7:27

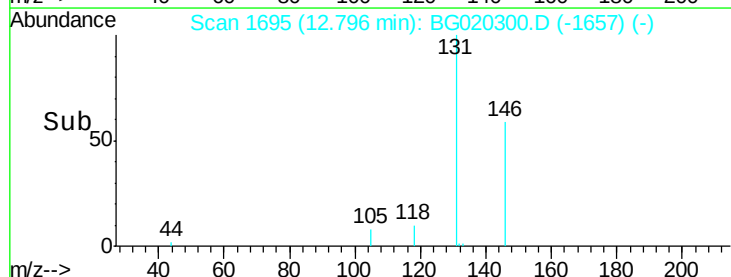
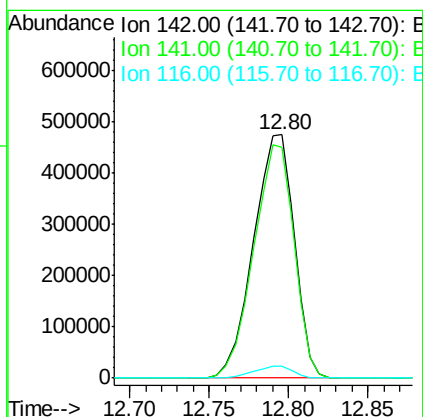
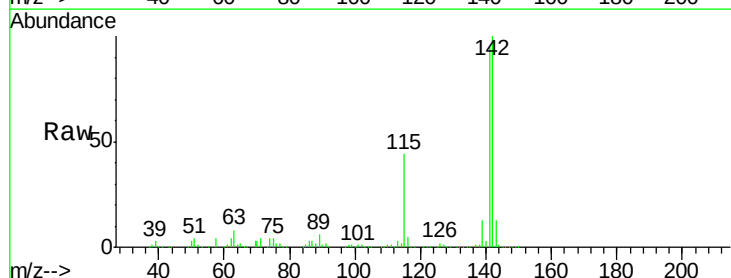
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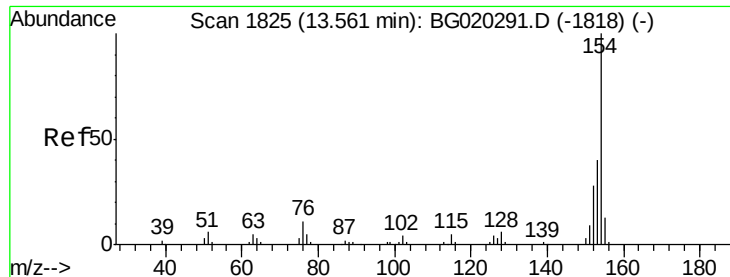
Tgt Ion:142 Resp: 1465578
Ion Ratio Lower Upper
142 100
141 93.5 74.9 112.3



#35
1-Methylnaphthalene
Concen: 316.04 ng/ul
RT: 12.80 min Scan# 1695
Delta R.T. 0.02 min
Lab File: BG020300.D
Acq: 19 Dec 2015 7:27

Tgt Ion:142 Resp: 852762
Ion Ratio Lower Upper
142 100
141 94.9 73.0 109.6
116 4.8 3.0 4.6#

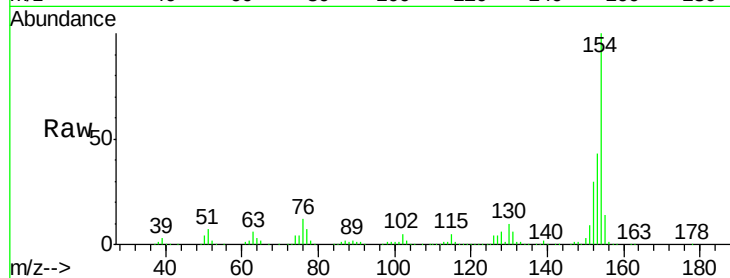




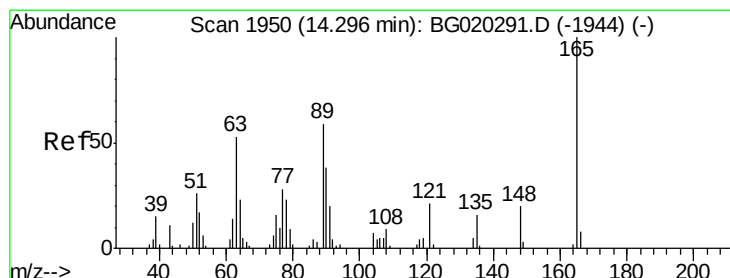
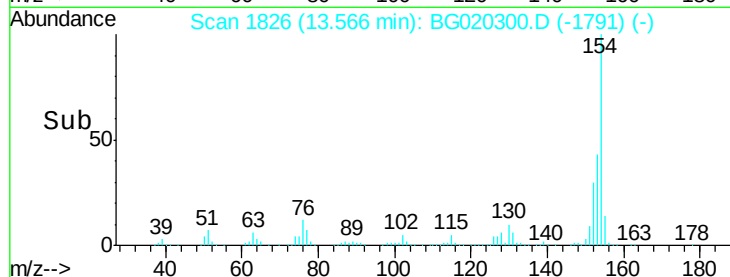
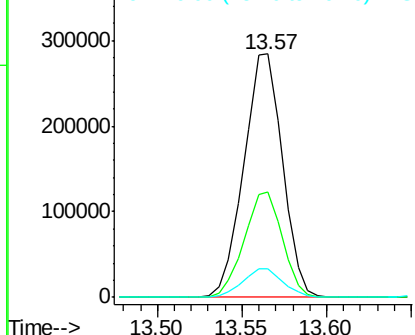
#41
 1,1'-Biphenyl
 Concen: 104.08 ng/ul
 RT: 13.57 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: BG020300.D
 Acq: 19 Dec 2015 7:27

Instrument :
 BNA_G
 ClientSampleId :
 D9N44

Tgt Ion:154 Resp: 453934
 Ion Ratio Lower Upper
 154 100
 153 43.3 35.5 53.3
 76 11.8 10.4 15.6

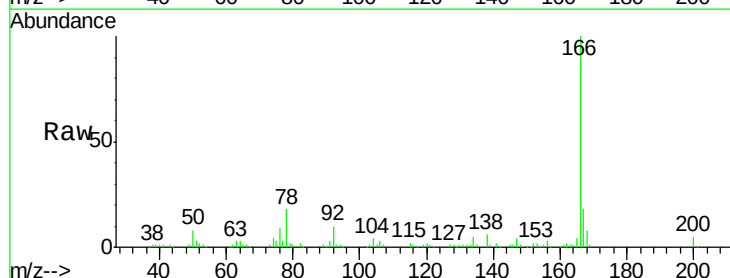


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): B

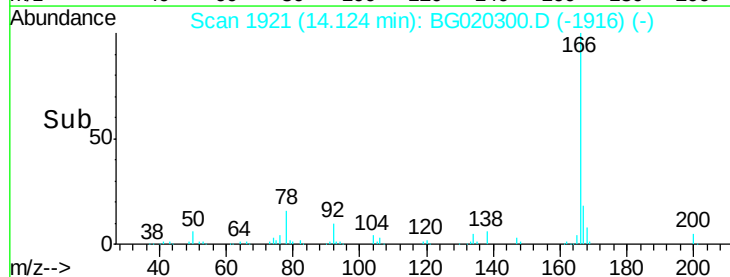
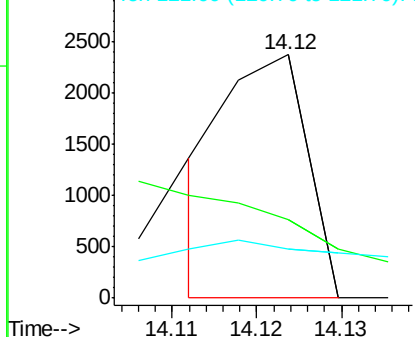


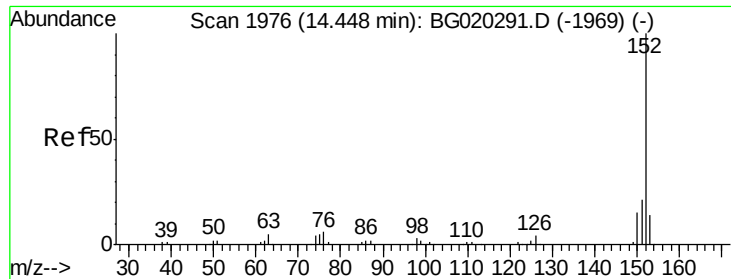
#46
 2,6-Dinitrotoluene
 Concen: 1.61 ng/ul
 RT: 14.12 min Scan# 1921
 Delta R.T. -0.17 min
 Lab File: BG020300.D
 Acq: 19 Dec 2015 7:27

Tgt Ion:165 Resp: 1586
 Ion Ratio Lower Upper
 165 100
 89 32.2 47.0 70.4#
 121 20.3 17.0 25.6



Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 89.00 (88.70 to 89.70): B
 Ion 121.00 (120.70 to 121.70): E





#48

Acenaphthylene

Concen: 51.82 ng/ul

RT: 14.45 min Scan# 1977

Delta R.T. 0.00 min

Lab File: BG020300.D

Acq: 19 Dec 2015 7:27

Instrument :

BNA_G

ClientSampleId :

D9N44

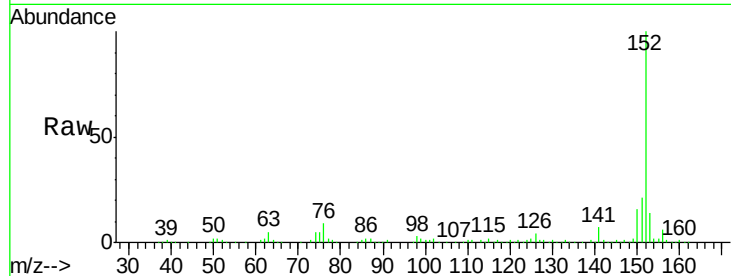
Tgt Ion:152 Resp: 299488

Ion Ratio Lower Upper

152 100

151 20.8 16.4 24.6

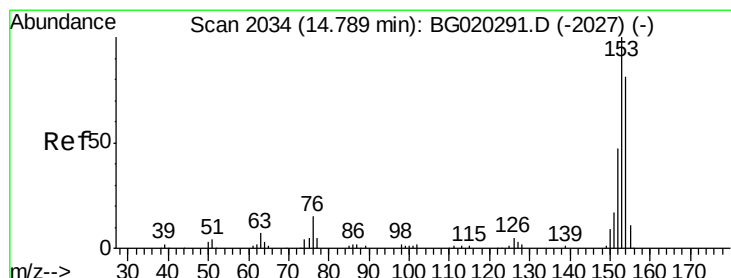
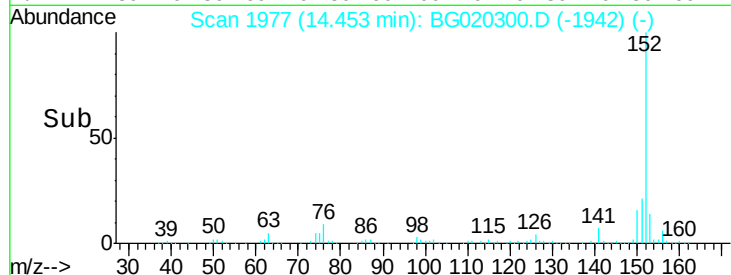
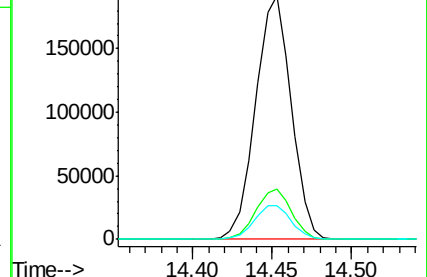
153 13.9 10.4 15.6



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: 415.70 ng/ul

RT: 14.81 min Scan# 2038

Delta R.T. 0.02 min

Lab File: BG020300.D

Acq: 19 Dec 2015 7:27

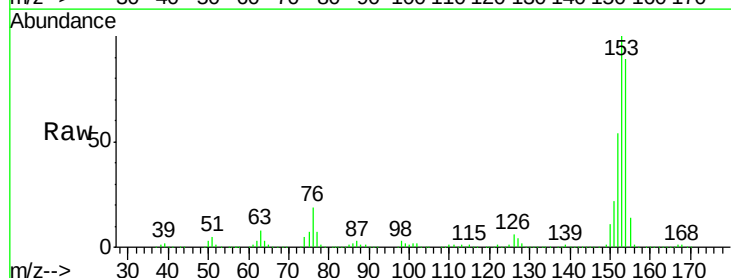
Tgt Ion:153 Resp: 1616582

Ion Ratio Lower Upper

153 100

152 53.9 37.6 56.4

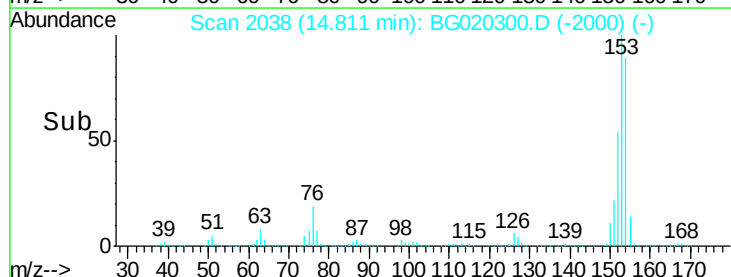
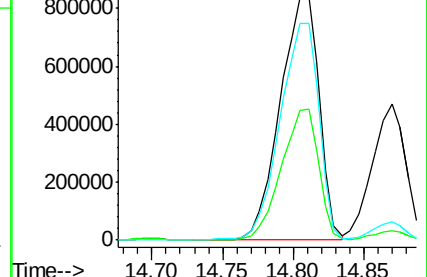
154 89.0 67.9 101.9

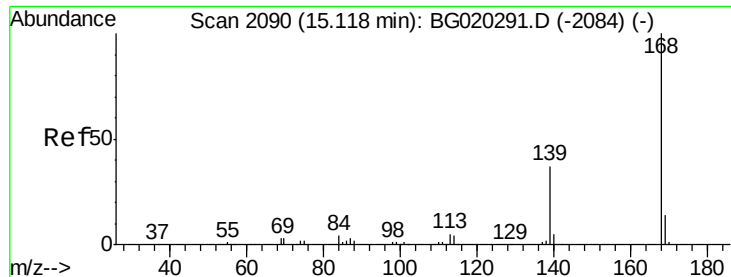


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#54

Dibenzenofuran

Concen: 235.33 ng/ul

RT: 15.13 min Scan# 2093

Delta R.T. 0.02 min

Lab File: BG020300.D

Acq: 19 Dec 2015 7:27

Instrument :

BNA_G

ClientSampleId :

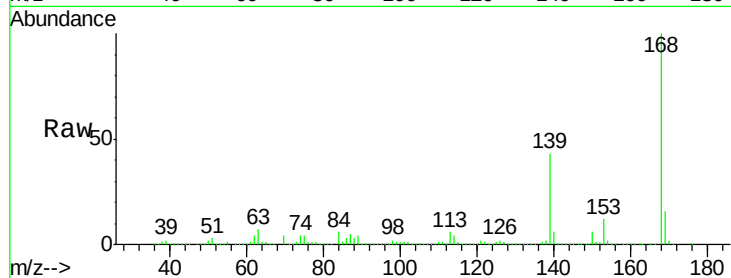
D9N44

Tgt Ion:168 Resp: 1361392

Ion Ratio Lower Upper

168 100

139 43.2 30.5 45.7



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

800000

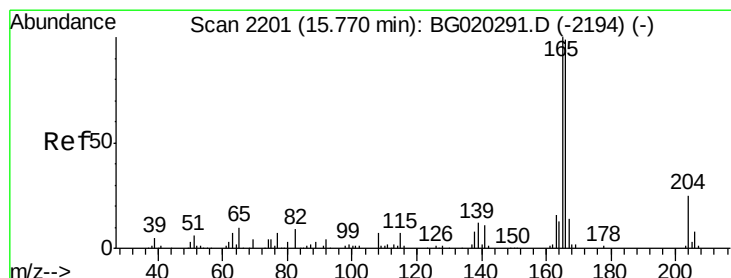
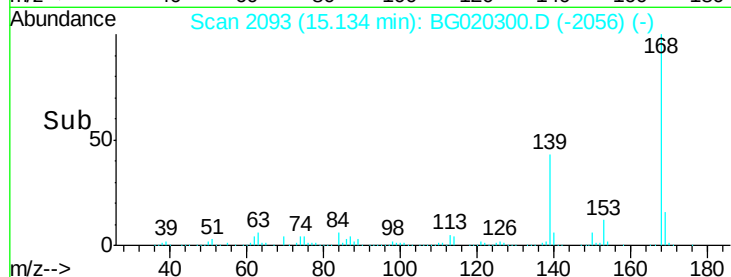
600000

400000

200000

0

Time--> 15.05 15.10 15.15 15.20



#59

Fluorene

Concen: 206.43 ng/ul

RT: 15.78 min Scan# 2203

Delta R.T. 0.01 min

Lab File: BG020300.D

Acq: 19 Dec 2015 7:27

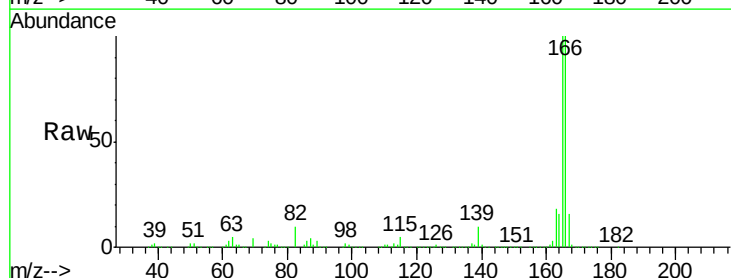
Tgt Ion:166 Resp: 958994

Ion Ratio Lower Upper

166 100

165 100.1 81.4 122.0

167 15.8 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

800000

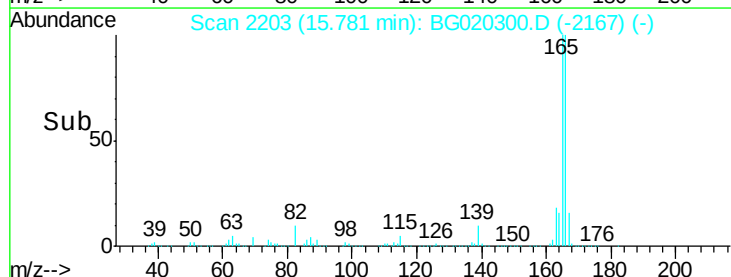
600000

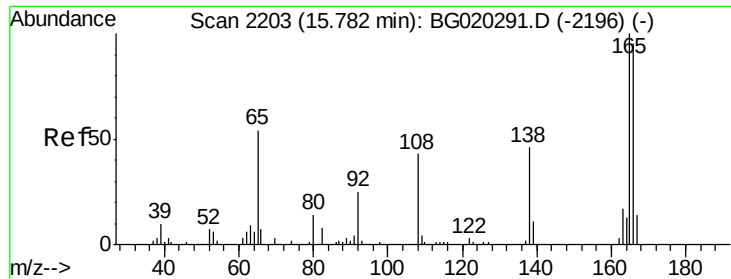
400000

200000

0

Time--> 15.70 15.75 15.80

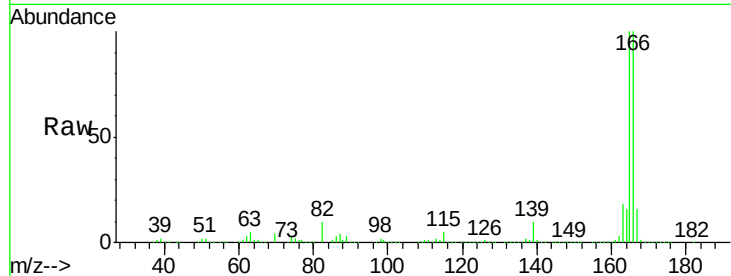




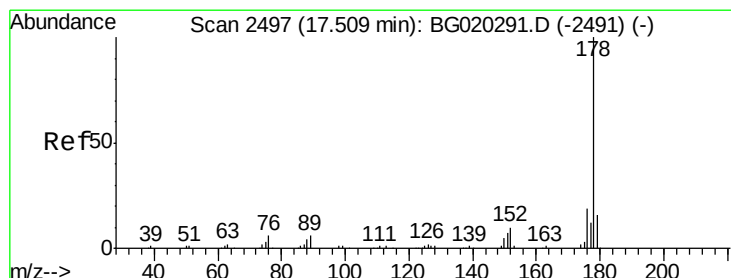
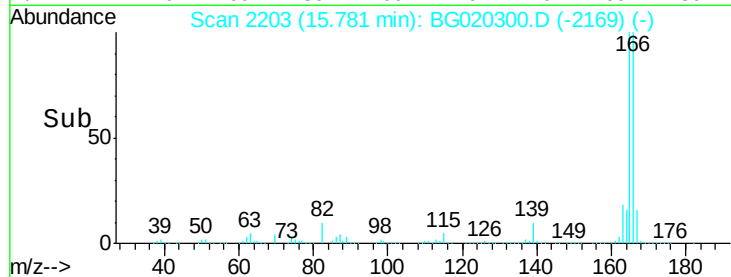
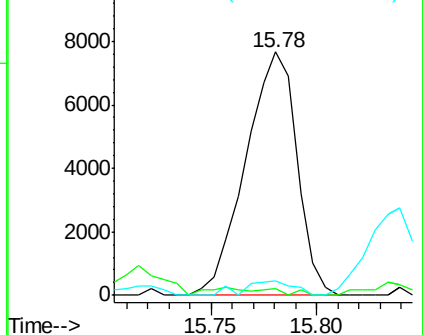
#61
4-Nitroaniline
Concen: 12.44 ng/ul
RT: 15.78 min Scan# 2203
Delta R.T. -0.00 min
Lab File: BG020300.D
Acq: 19 Dec 2015 7:27

Instrument :
BNA_G
ClientSampleId :
D9N44

Tgt Ion:138 Resp: 12897
Ion Ratio Lower Upper
138 100
92 3.1 45.2 67.8#
108 6.0 75.4 113.0#

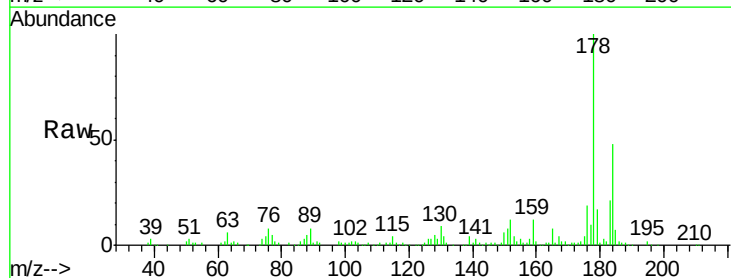


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BG
Ion 108.00 (107.70 to 108.70): E

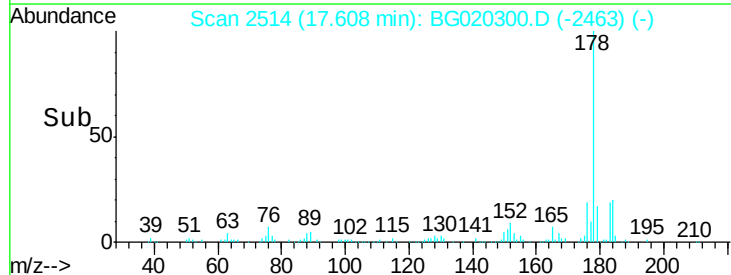
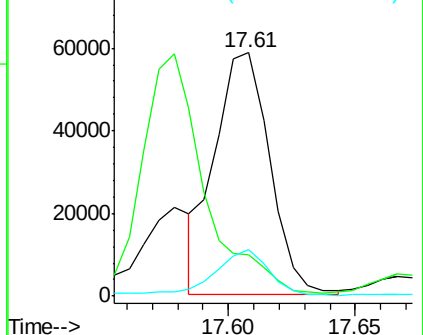


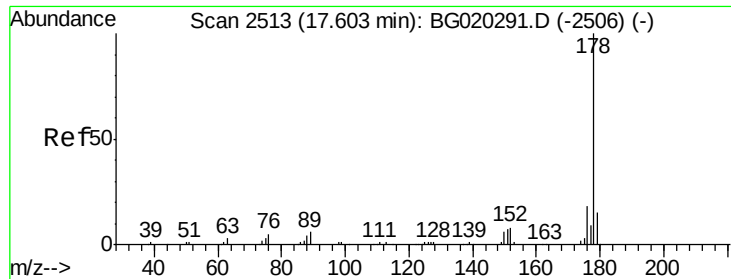
#70
Phenanthrene
Concen: 11.94 ng/ul
RT: 17.61 min Scan# 2514
Delta R.T. 0.10 min
Lab File: BG020300.D
Acq: 19 Dec 2015 7:27

Tgt Ion:178 Resp: 88049
Ion Ratio Lower Upper
178 100
179 17.2 12.9 19.3
176 19.0 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: 11.84 ng/ul

RT: 17.61 min Scan# 2514

Delta R.T. 0.00 min

Lab File: BG020300.D

Acq: 19 Dec 2015 7:27

Instrument :

BNA_G

ClientSampleId :

D9N44

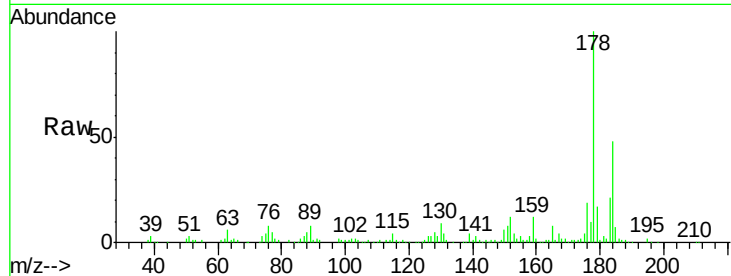
Tgt Ion:178 Resp: 88585

Ion Ratio Lower Upper

178 100

179 17.2 12.3 18.5

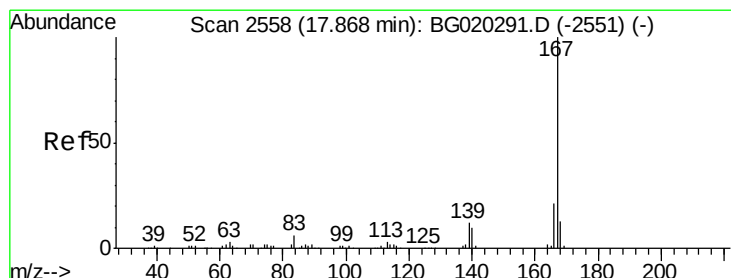
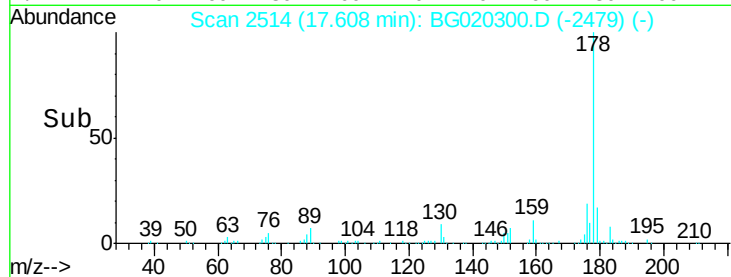
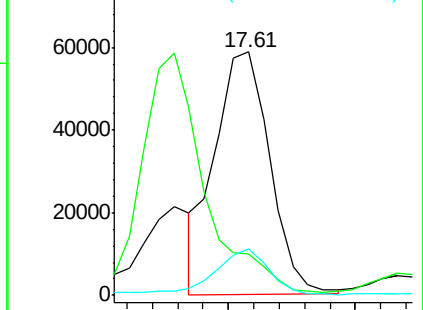
176 19.0 14.3 21.5



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: 328.77 ng/ul

RT: 17.90 min Scan# 2563

Delta R.T. 0.03 min

Lab File: BG020300.D

Acq: 19 Dec 2015 7:27

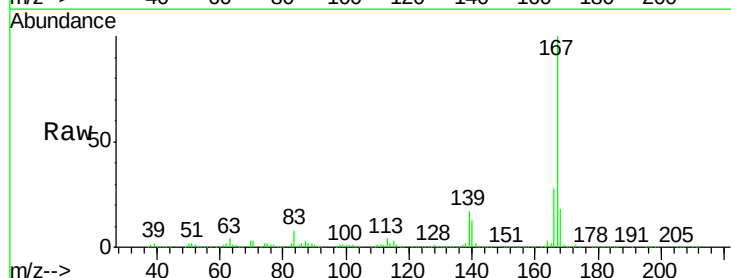
Tgt Ion:167 Resp: 2066969

Ion Ratio Lower Upper

167 100

166 27.8 17.0 25.6#

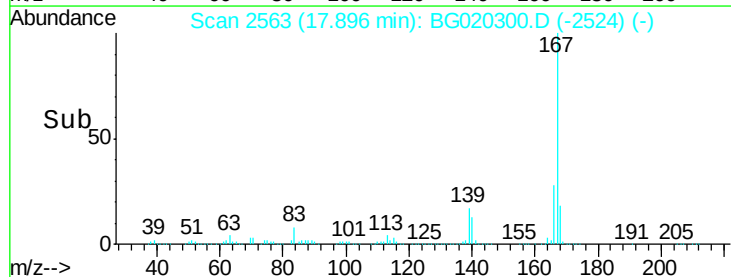
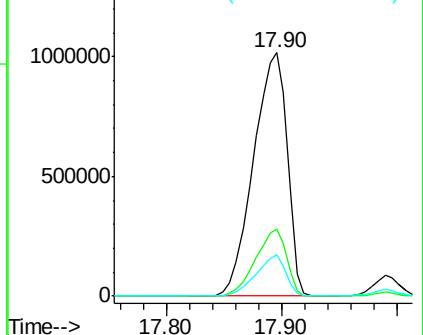
139 16.7 10.1 15.1#

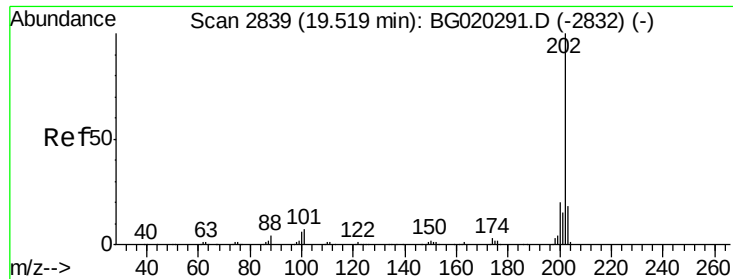


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

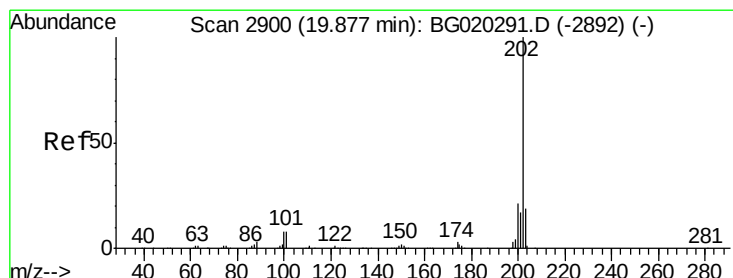
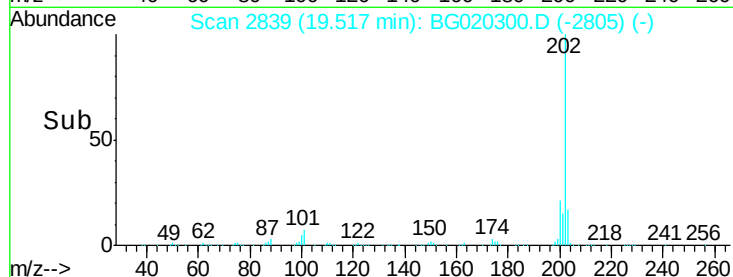
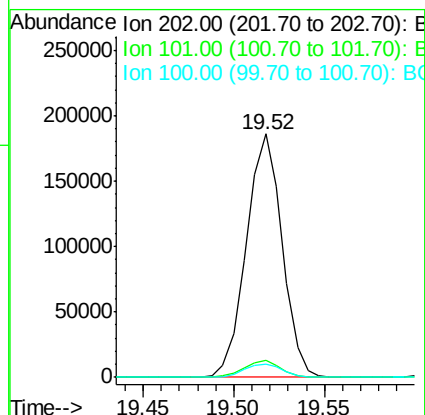
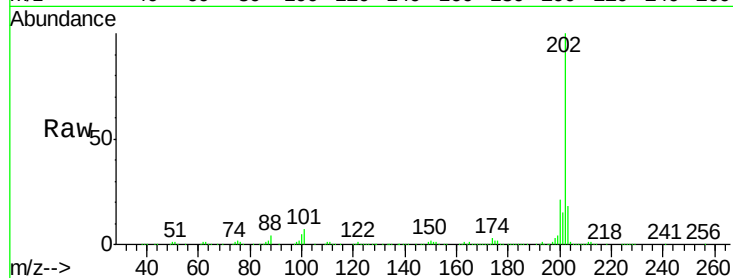




#77
 Fluoranthene
 Concen: 29.59 ng/ul
 RT: 19.52 min Scan# 2839
 Delta R.T. -0.00 min
 Lab File: BG020300.D
 Acq: 19 Dec 2015 7:27

Instrument :
 BNA_G
 ClientSampleId :
 D9N44

Tgt Ion	Ratio	Lower	Upper
202	100		
101	7.1	6.2	9.4
100	5.4	5.1	7.7



#80
 Pyrene
 Concen: 13.74 ng/ul
 RT: 19.88 min Scan# 2901
 Delta R.T. 0.00 min
 Lab File: BG020300.D
 Acq: 19 Dec 2015 7:27

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.8	7.0	10.4
100	7.3	6.4	9.6

