

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122615\
 Data File : BG020561.D
 Acq On : 27 Dec 2015 19:14
 Operator : UM/SJ
 Sample : G4846-08
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N54

Quant Time: Dec 28 05:02:04 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Dec 28 04:59:10 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.08	152	85143	20.00	ng/ul	0.00
18) Naphthalene-d8	10.93	136	175083	20.00	ng/ul	0.04
36) Acenaphthene-d10	14.72	164	258933	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.47	188	587032	20.00	ng/ul	0.01
78) Chrysene-d12	21.74	240	715797	20.00	ng/ul	0.00
86) Perylene-d12	25.01	264	647827	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.44	96	792	0.51	ng/uL	0.00
5) Phenol-d5	7.23	99	21655	3.17	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.40	67	50409	12.45	ng/ul	0.00
9) 2-Chlorophenol-d4	7.61	132	54418	10.38	ng/ul	0.00
13) 4-Methylphenol-d8	8.79	113	39526	6.88	ng/ul	0.00
19) Nitrobenzene-d5	9.25	128	37900	27.61	ng/ul	0.00
22) 2-Nitrophenol-d4	9.98	143	43347	27.78	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.54	165	71691	23.74	ng/ul	0.03
29) 4-Chloroaniline-d4	11.06	131	10035	2.91	ng/ul	0.04
44) Dimethylphthalate-d6	14.12	166	248233	11.63	ng/ul	0.01
47) Acenaphthylene-d8	14.41	160	293926	11.89	ng/ul	0.00
52) 4-Nitrophenol-d4	14.92	143	11943	3.36	ng/ul	0.00
58) Fluorene-d10	15.71	176	231687	12.00	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.85	200	36217	9.31	ng/ul	0.02
71) Anthracene-d10	17.57	188	343545	12.49	ng/ul	0.01
79) Pyrene-d10	19.85	212	387996	12.52	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.78	264	433920	13.25	ng/ul	0.00

Target Compounds

						Qvalue
11) 2-Methylphenol	8.52	108	17482	3.17	ng/ul	93
14) Acetophenone	8.91	105	17795	1.93	ng/ul	97
16) 4-Methylphenol	8.85	108	35090	5.86	ng/ul	91
17) Hexachloroethane	9.19	117	6073	2.63	ng/ul#	1
24) 2,4-Dimethylphenol	10.07	107	90614	25.88	ng/ul	98
25) Bis(2-Chloroethoxy)methane	10.32	93	4372	1.22	ng/ul#	1
28) Naphthalene	11.06	128	11234633	1207.08	ng/ul#	37
30) 4-Chloroaniline	11.06	127	3373719	969.95	ng/ul#	16
34) 2-Methylnaphthalene	12.58	142	2363548	343.21	ng/ul	99
35) 1-Methylnaphthalene	12.79	142	1420193	217.09	ng/ul#	94
41) 1,1'-Biphenyl	13.56	154	730238	36.54	ng/ul	97
48) Acenaphthylene	14.44	152	320534	12.33	ng/ul	97
50) Acenaphthene	14.81	153	2564791	145.96	ng/ul#	88
54) Dibenzofuran	15.13	168	2197759	84.07	ng/ul#	85
59) Fluorene	15.78	166	1712584	80.84	ng/ul#	98
61) 4-Nitroaniline	15.78	138	24699	5.40	ng/ul#	14
70) Phenanthrene	17.60	178	189803	5.81	ng/ul	99
72) Anthracene	17.60	178	191665	5.74	ng/ul	98
75) Carbazole	17.90	167	3295886	117.10	ng/ul#	79
77) Fluoranthene	19.51	202	497381	12.11	ng/ul	99
80) Pyrene	19.87	202	286031	7.07	ng/ul	99

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QLast Update : Mon Dec 28 04:59:10 2015
Response via : Initial Calibration

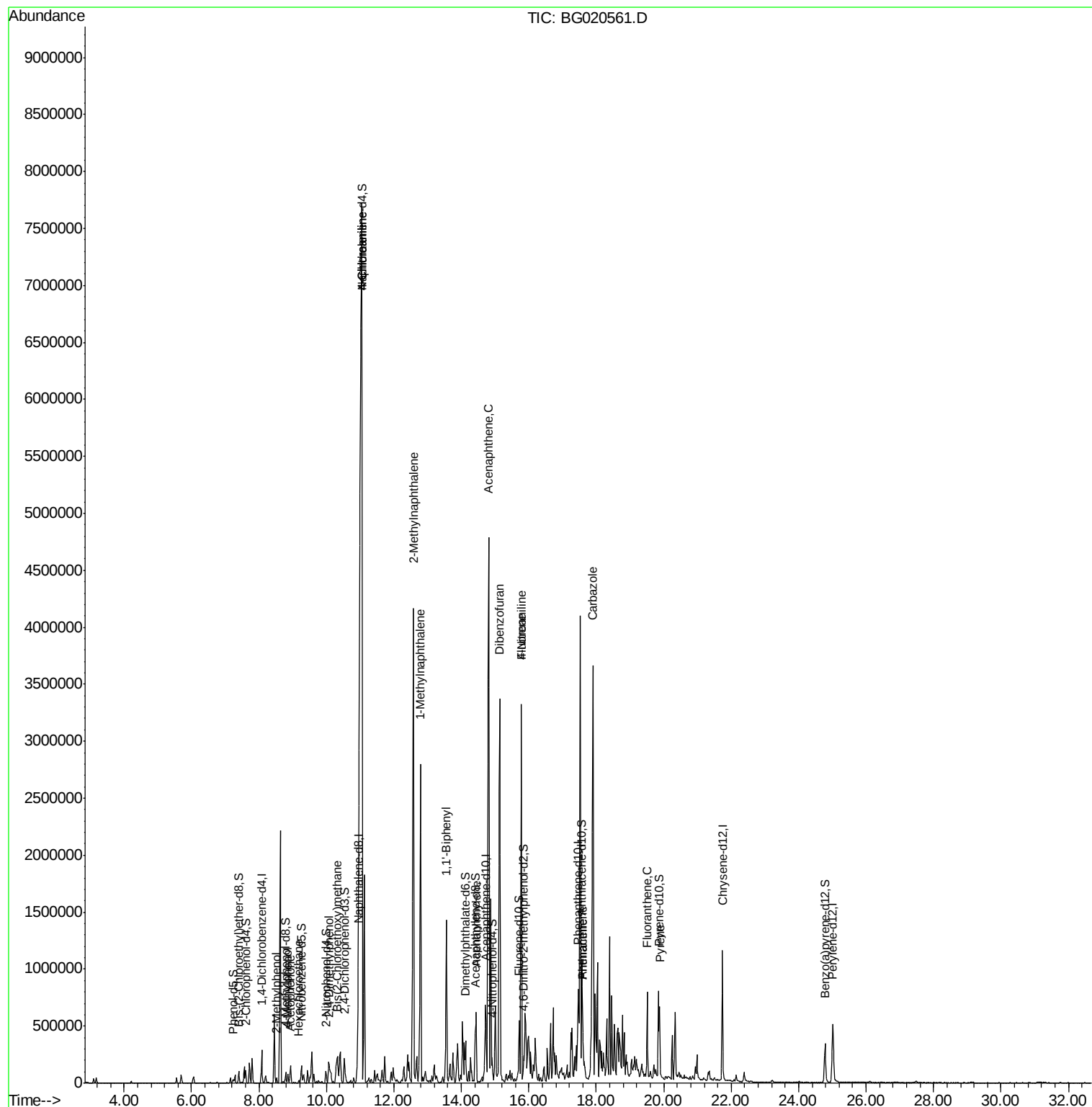
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

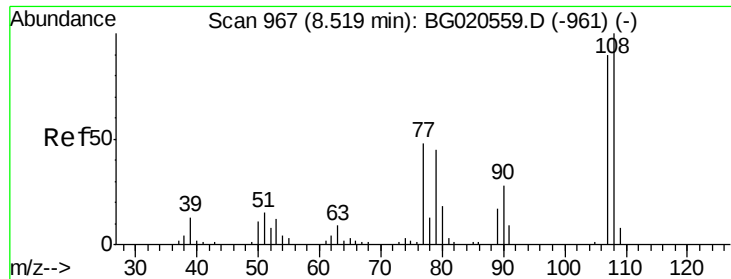
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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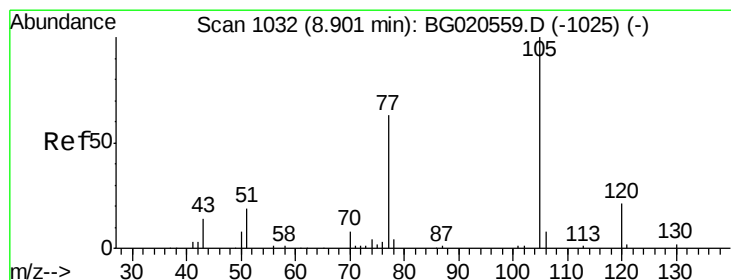
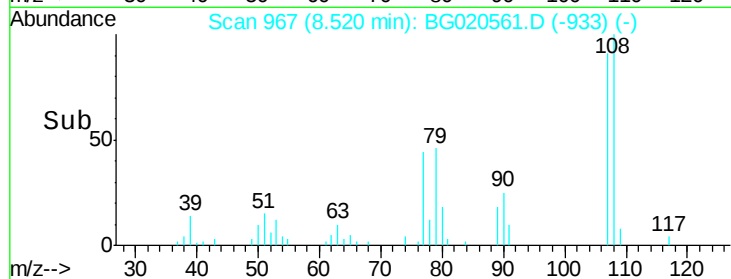
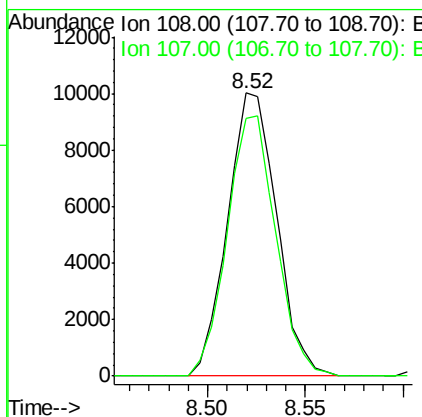
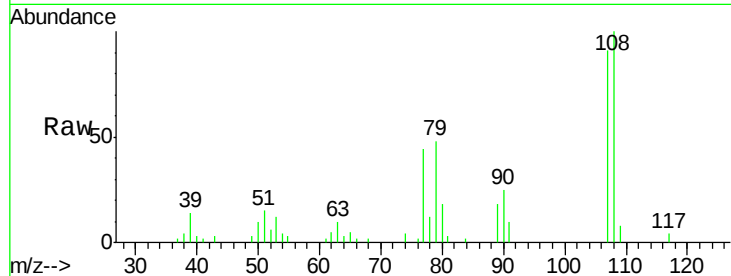




#11
2-Methylphenol
Concen: 3.17 ng/ul
RT: 8.52 min Scan# 967
Delta R.T. 0.00 min
Lab File: BG020561.D
Acq: 27 Dec 2015 19:14

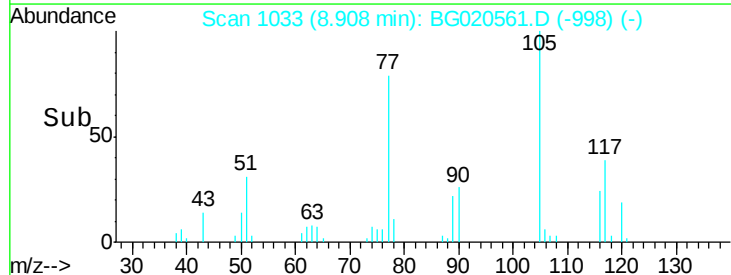
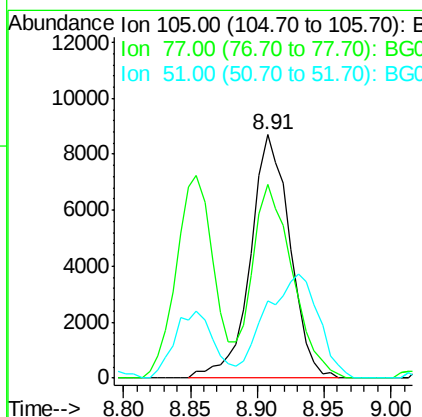
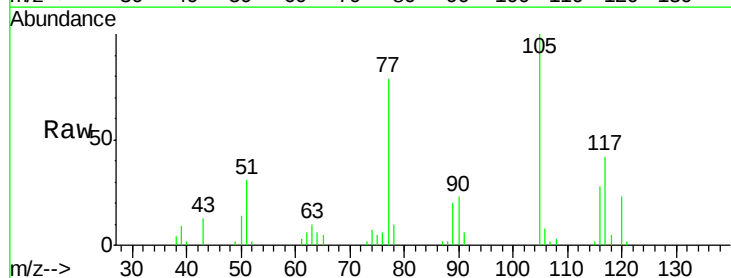
Instrument :
BNA_G
ClientSampleId :
D9N54

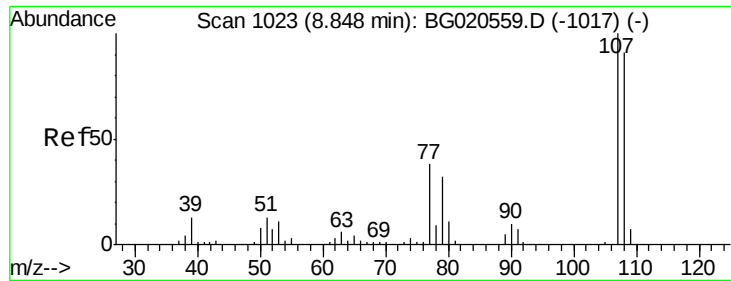
Tgt Ion:108 Resp: 17482
Ion Ratio Lower Upper
108 100
107 90.9 67.5 101.3



#14
Acetophenone
Concen: 1.93 ng/ul
RT: 8.91 min Scan# 1033
Delta R.T. 0.01 min
Lab File: BG020561.D
Acq: 27 Dec 2015 19:14

Tgt Ion:105 Resp: 17795
Ion Ratio Lower Upper
105 100
77 79.4 65.2 97.8
51 31.5 22.6 33.8

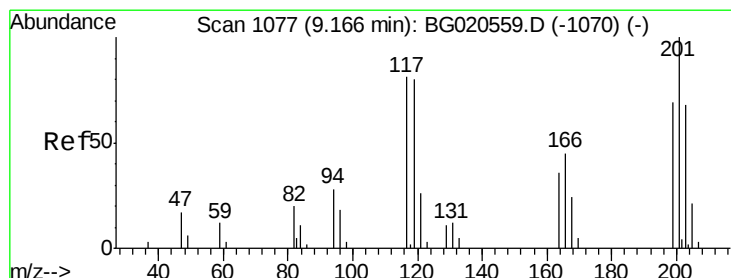
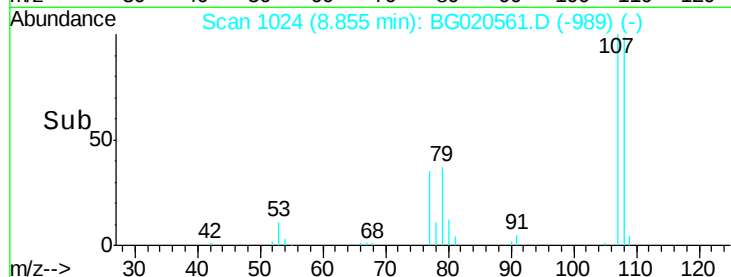
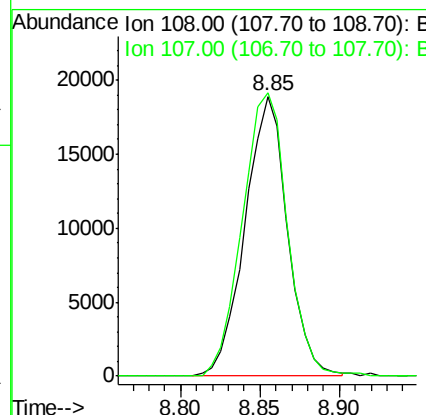
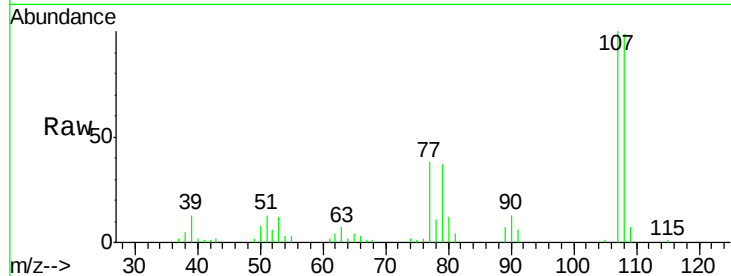




#16
4-Methylphenol
Concen: 5.86 ng/ul
RT: 8.85 min Scan# 1024
Delta R.T. 0.01 min
Lab File: BG020561.D
Acq: 27 Dec 2015 19:14

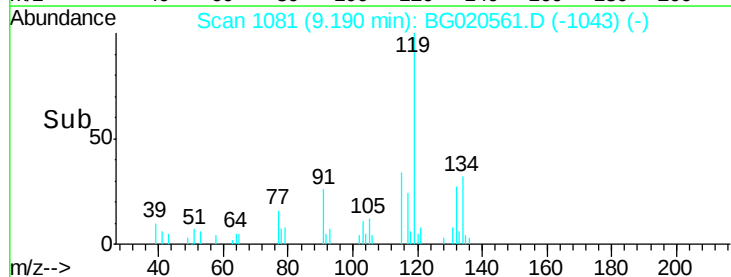
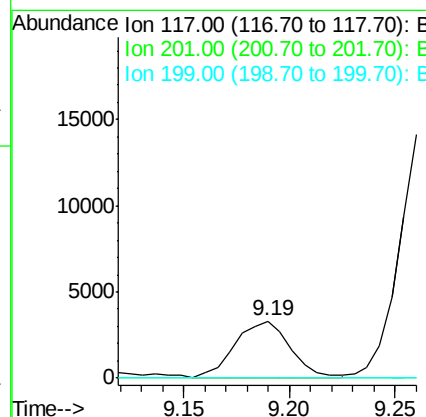
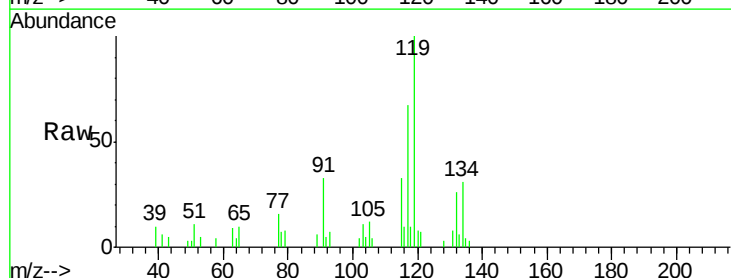
Instrument :
BNA_G
ClientSampleId :
D9N54

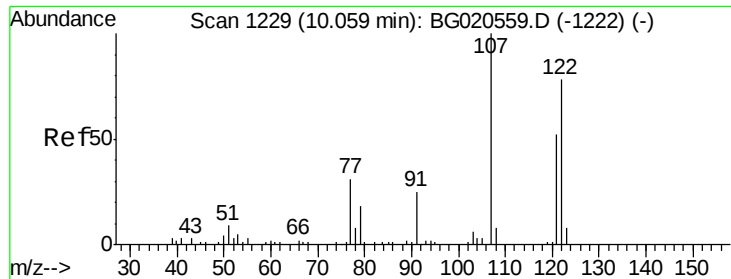
Tgt Ion:108 Resp: 35090
Ion Ratio Lower Upper
108 100
107 101.1 88.9 133.3



#17
Hexachloroethane
Concen: 2.63 ng/ul
RT: 9.19 min Scan# 1081
Delta R.T. 0.02 min
Lab File: BG020561.D
Acq: 27 Dec 2015 19:14

Tgt Ion:117 Resp: 6073
Ion Ratio Lower Upper
117 100
201 0.0 102.7 154.1#
199 0.0 65.8 98.8#

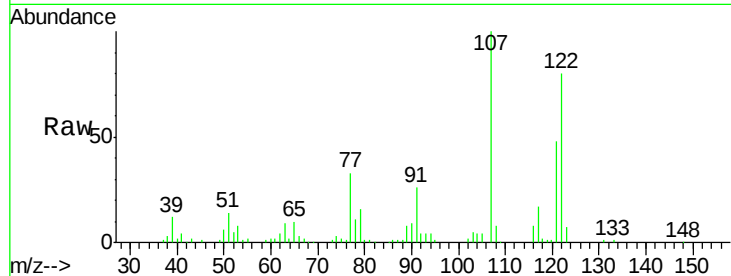




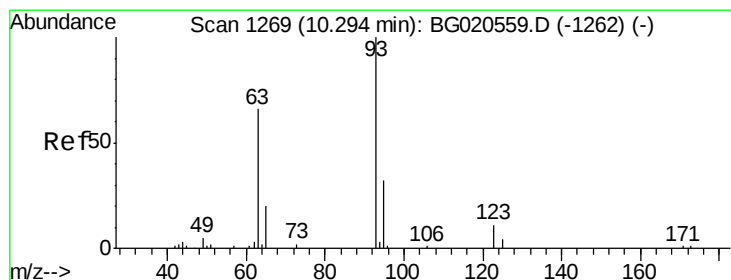
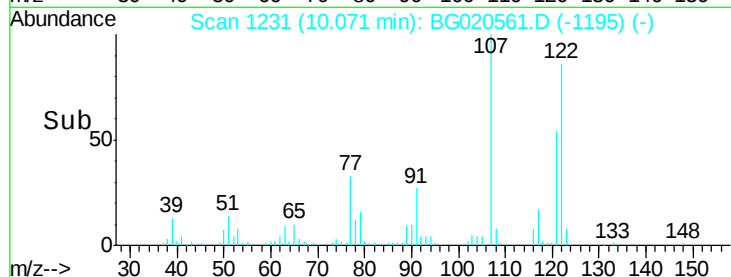
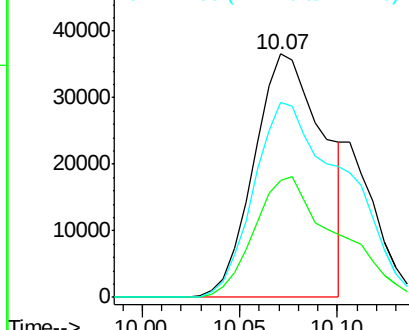
#24
 2,4-Dimethylphenol
 Concen: 25.88 ng/ul
 RT: 10.07 min Scan# 1231
 Delta R.T. 0.01 min
 Lab File: BG020561.D
 Acq: 27 Dec 2015 19:14

Instrument :
 BNA_G
 ClientSampled :
 D9N54

Tgt Ion: 107 Resp: 90614
 Ion Ratio Lower Upper
 107 100
 121 48.3 39.0 58.4
 122 80.0 62.1 93.1

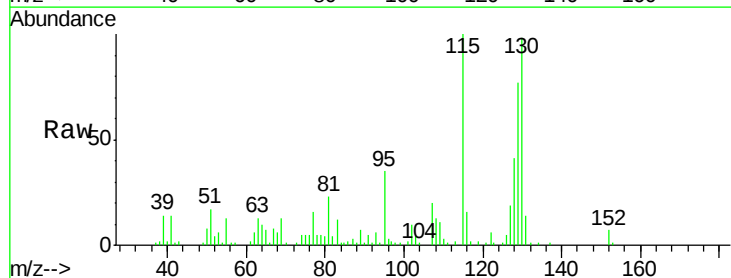


Abundance Ion 107.00 (106.70 to 107.70): E
 Ion 121.00 (120.70 to 121.70): E
 Ion 122.00 (121.70 to 122.70): E

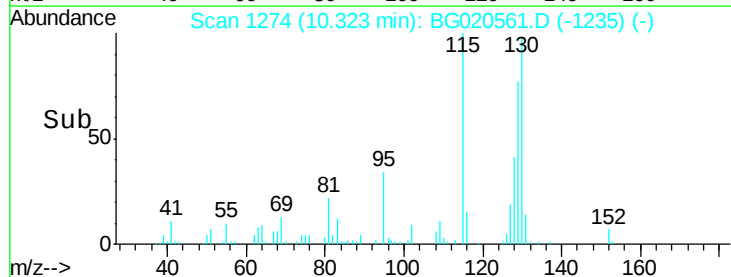
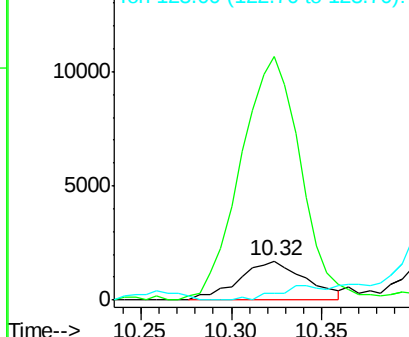


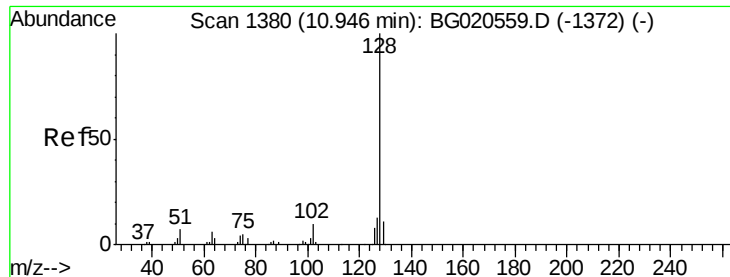
#25
 Bis(2-Chloroethoxy)methane
 Concen: 1.22 ng/ul
 RT: 10.32 min Scan# 1274
 Delta R.T. 0.03 min
 Lab File: BG020561.D
 Acq: 27 Dec 2015 19:14

Tgt Ion: 93 Resp: 4372
 Ion Ratio Lower Upper
 93 100
 95 624.0 27.4 41.2#
 123 18.2 9.4 14.0#



Abundance Ion 93.00 (92.70 to 93.70): BGC
 Ion 95.00 (94.70 to 95.70): BGC
 Ion 123.00 (122.70 to 123.70): E





#28

Naphthalene

Concen: 1207.08 ng/ul

RT: 11.06 min Scan# 1399

Delta R.T. 0.11 min

Lab File: BG020561.D

Acq: 27 Dec 2015 19:14

Instrument :

BNA_G

ClientSampleId :

D9N54

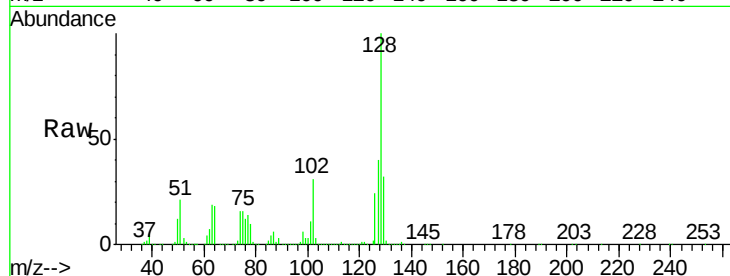
Tgt Ion:128 Resp:11234633

Ion Ratio Lower Upper

128 100

129 31.5 8.6 12.8#

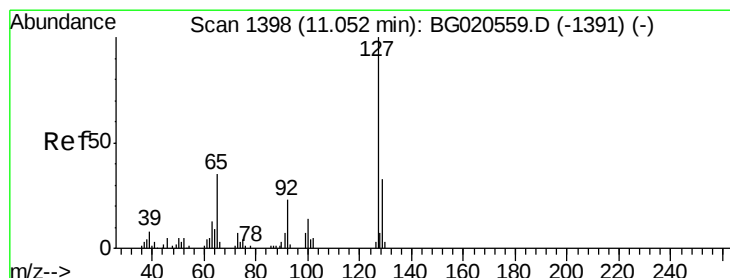
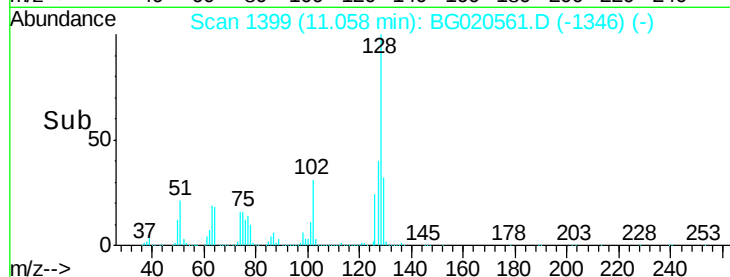
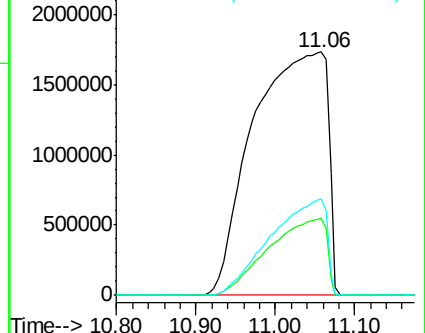
127 39.8 10.1 15.1#



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: 969.95 ng/ul

RT: 11.06 min Scan# 1399

Delta R.T. 0.01 min

Lab File: BG020561.D

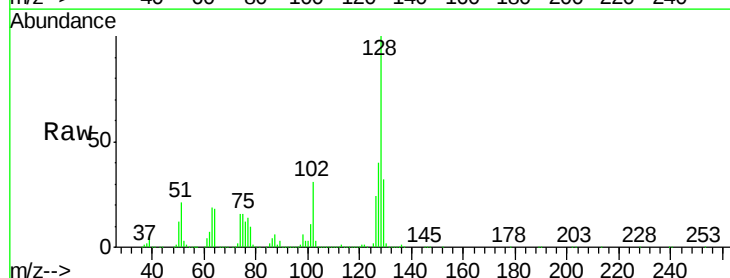
Acq: 27 Dec 2015 19:14

Tgt Ion:127 Resp: 3373719

Ion Ratio Lower Upper

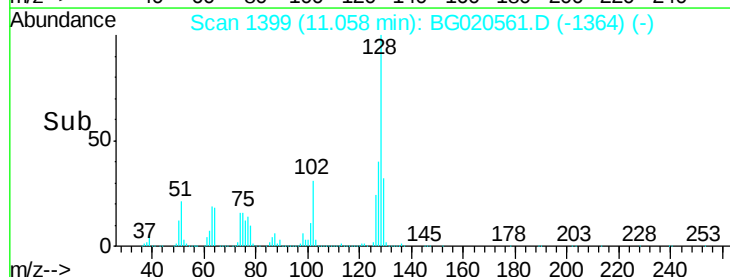
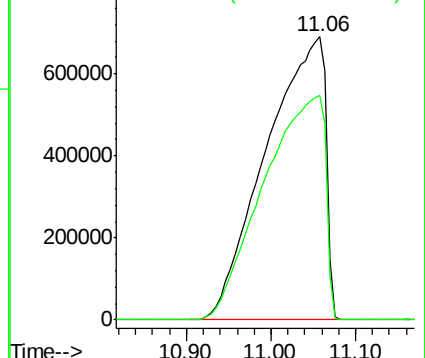
127 100

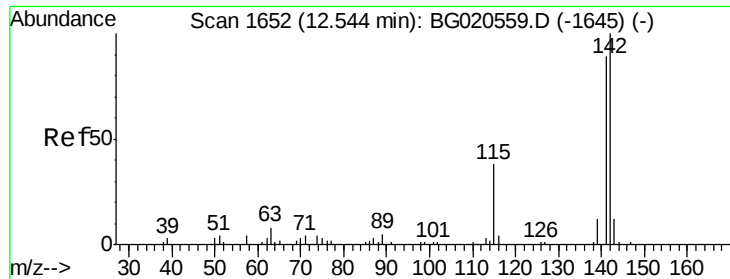
129 79.2 25.7 38.5#



Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

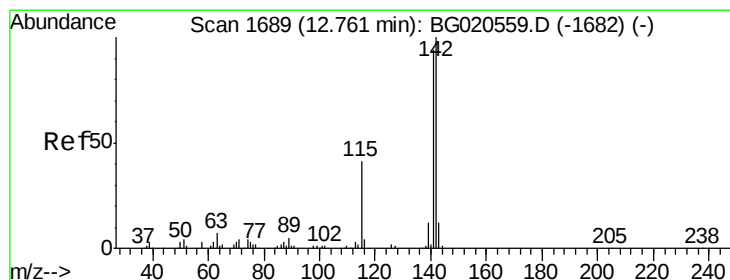
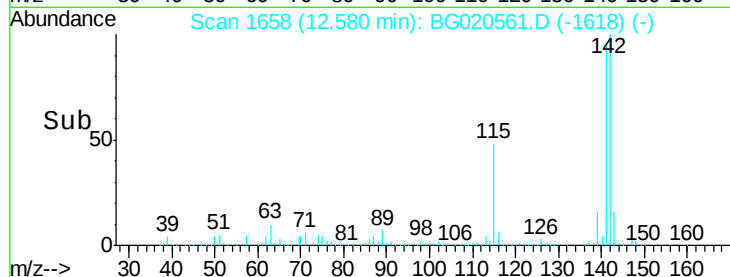
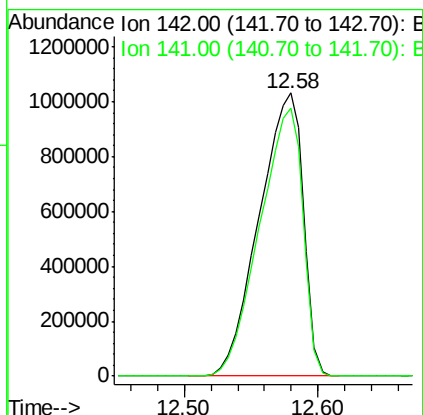
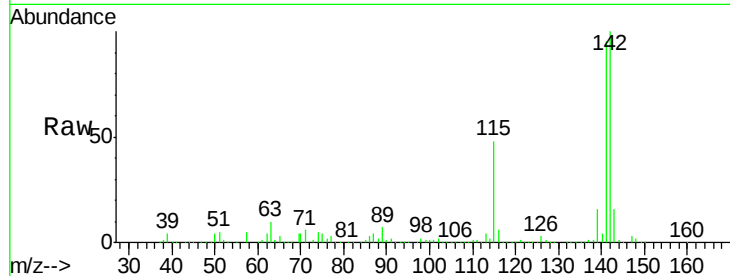




#34
2-Methylnaphthalene
Concen: 343.21 ng/ul
RT: 12.58 min Scan# 1658
Delta R.T. 0.04 min
Lab File: BG020561.D
Acq: 27 Dec 2015 19:14

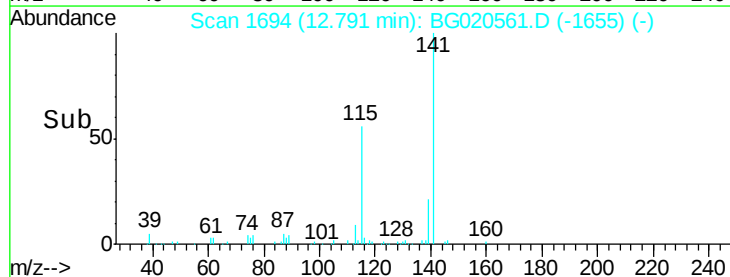
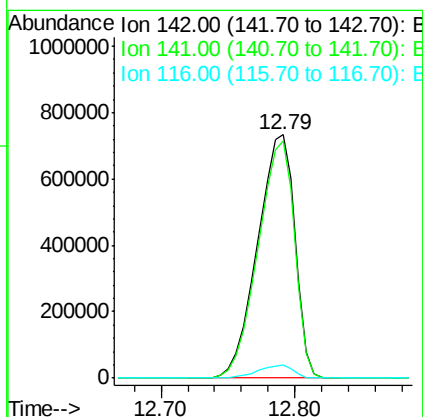
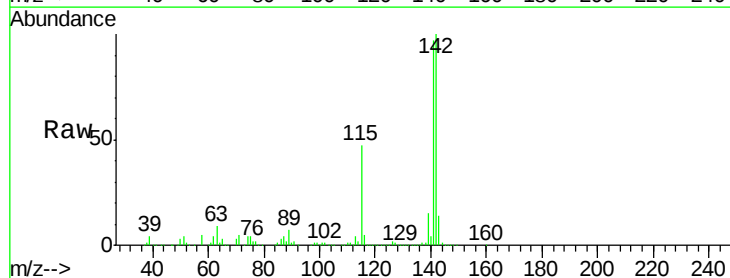
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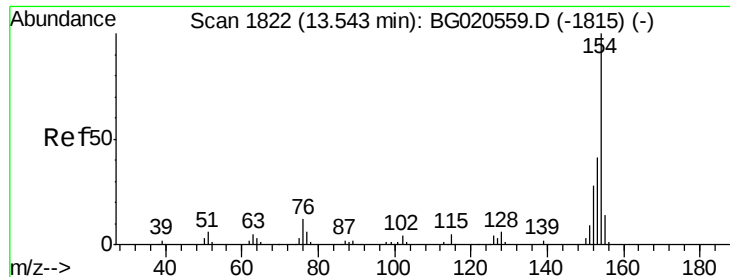
Tgt Ion:142 Resp: 2363548
Ion Ratio Lower Upper
142 100
141 94.6 74.9 112.3



#35
1-Methylnaphthalene
Concen: 217.09 ng/ul
RT: 12.79 min Scan# 1694
Delta R.T. 0.03 min
Lab File: BG020561.D
Acq: 27 Dec 2015 19:14

Tgt Ion:142 Resp: 1420193
Ion Ratio Lower Upper
142 100
141 97.3 73.0 109.6
116 5.2 3.0 4.6#

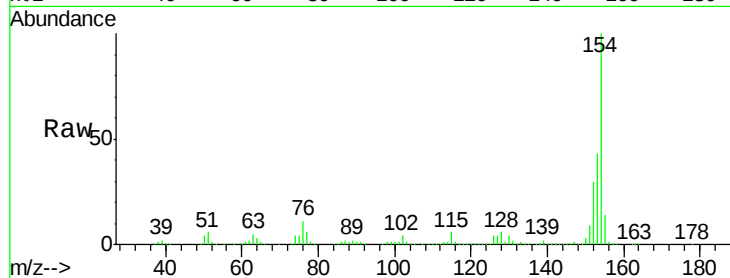




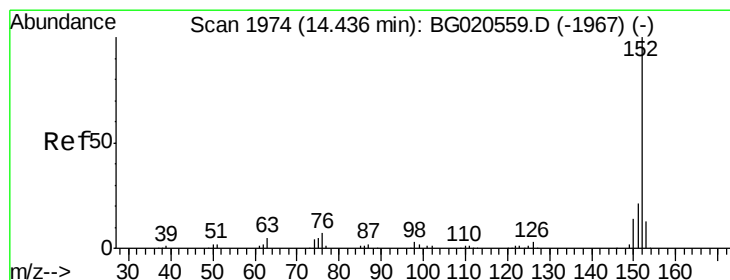
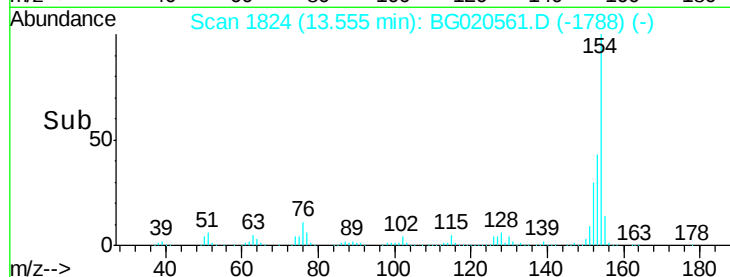
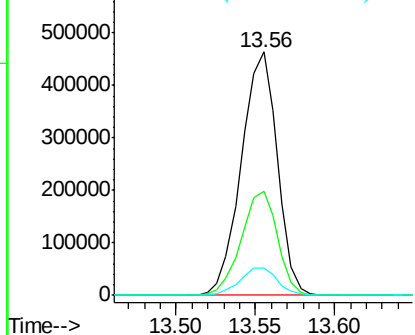
#41
 1,1'-Biphenyl
 Concen: 36.54 ng/ul
 RT: 13.56 min Scan# 1824
 Delta R.T. 0.01 min
 Lab File: BG020561.D
 Acq: 27 Dec 2015 19:14

Instrument :
 BNA_G
 ClientSampleId :
 D9N54

Tgt Ion:154 Resp: 730238
 Ion Ratio Lower Upper
 154 100
 153 42.8 35.5 53.3
 76 11.3 10.4 15.6

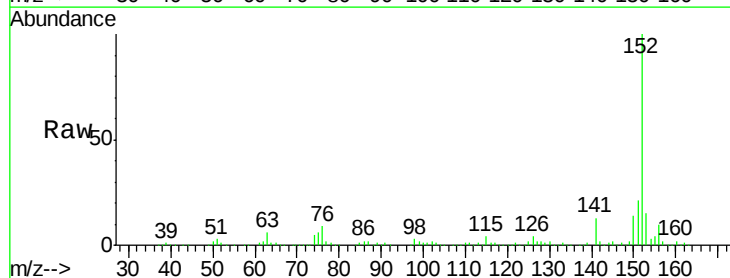


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): B

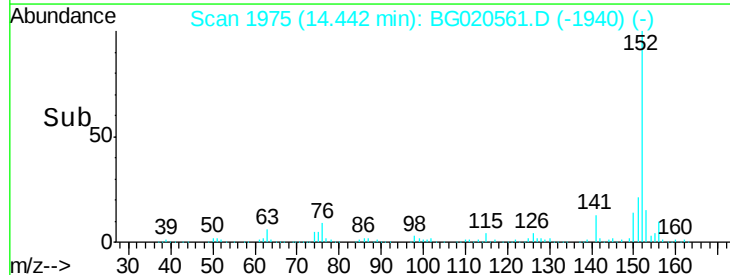
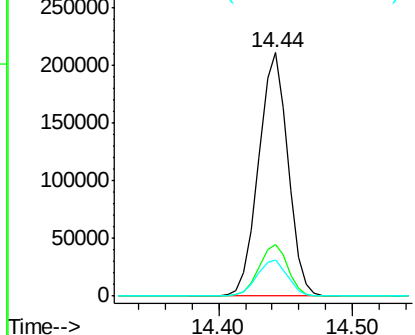


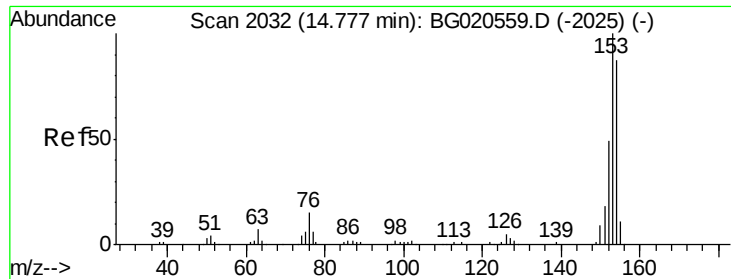
#48
 Acenaphthylene
 Concen: 12.33 ng/ul
 RT: 14.44 min Scan# 1975
 Delta R.T. 0.01 min
 Lab File: BG020561.D
 Acq: 27 Dec 2015 19:14

Tgt Ion:152 Resp: 320534
 Ion Ratio Lower Upper
 152 100
 151 21.4 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: 145.96 ng/ul

RT: 14.81 min Scan# 2038

Delta R.T. 0.04 min

Lab File: BG020561.D

Acq: 27 Dec 2015 19:14

Instrument :

BNA_G

ClientSampleId :

D9N54

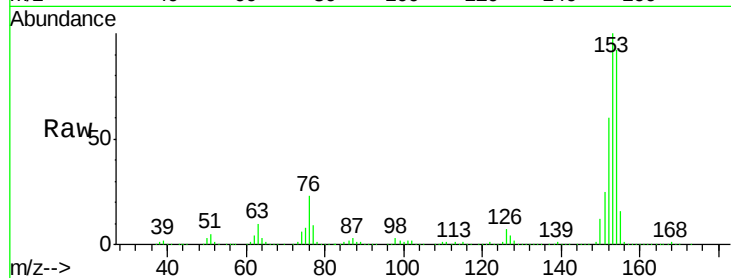
Tgt Ion:153 Resp: 2564791

Ion Ratio Lower Upper

153 100

152 59.8 37.6 56.4#

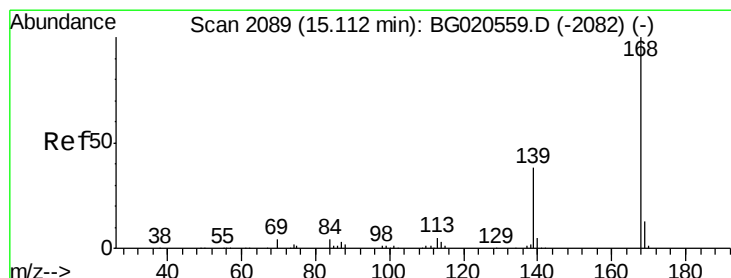
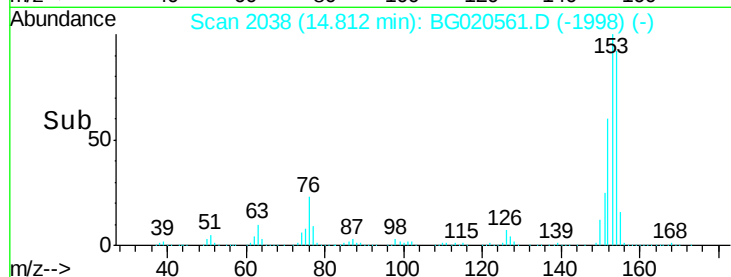
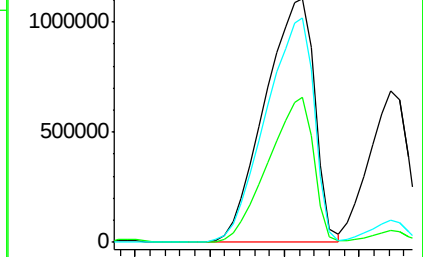
154 92.4 67.9 101.9



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: 84.07 ng/ul

RT: 15.13 min Scan# 2092

Delta R.T. 0.02 min

Lab File: BG020561.D

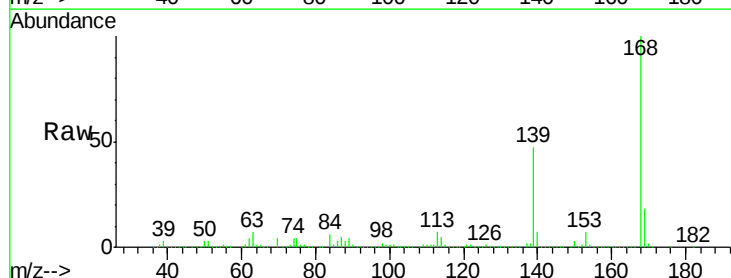
Acq: 27 Dec 2015 19:14

Tgt Ion:168 Resp: 2197759

Ion Ratio Lower Upper

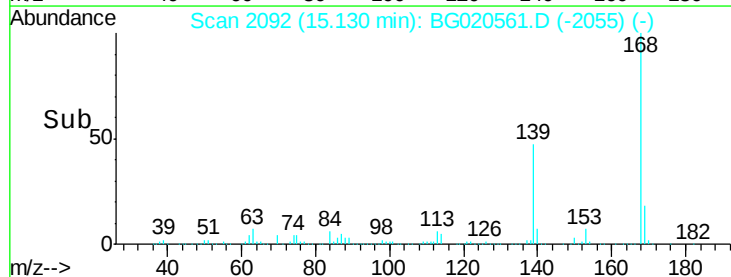
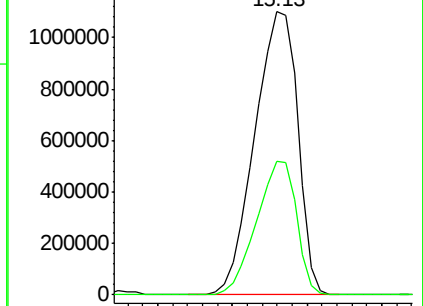
168 100

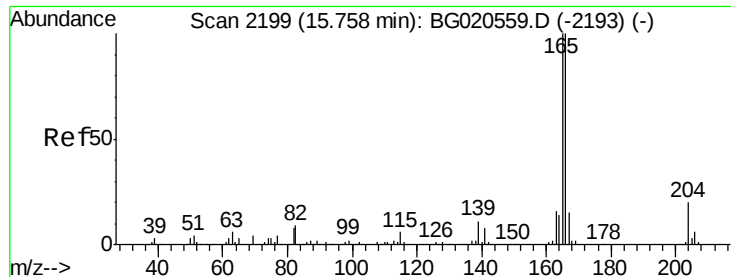
139 47.3 30.5 45.7#



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#59

Fluorene

Concen: 80.84 ng/ul

RT: 15.78 min Scan# 2203

Delta R.T. 0.02 min

Lab File: BG020561.D

Acq: 27 Dec 2015 19:14

Instrument :

BNA_G

ClientSampleId :

D9N54

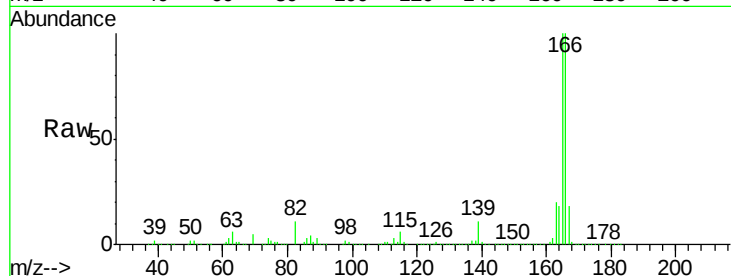
Tgt Ion:166 Resp: 1712584

Ion Ratio Lower Upper

166 100

165 100.3 81.4 122.0

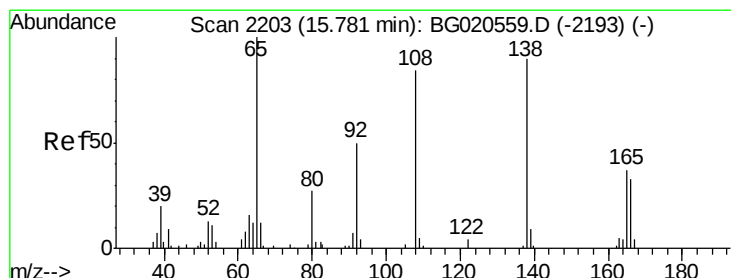
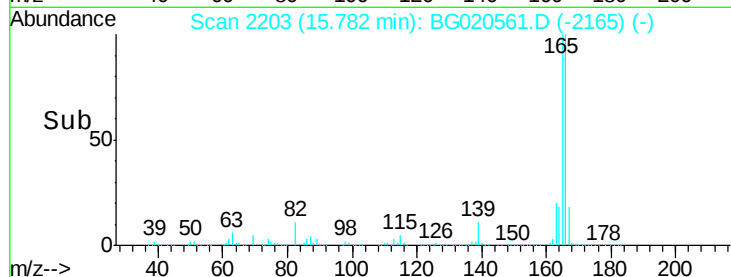
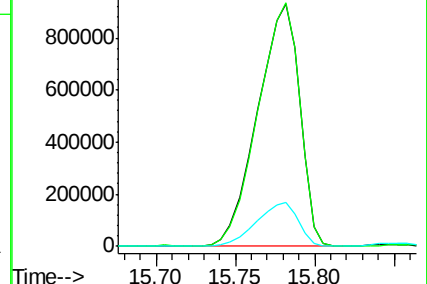
167 18.0 11.2 16.8#



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: 5.40 ng/ul

RT: 15.78 min Scan# 2203

Delta R.T. 0.00 min

Lab File: BG020561.D

Acq: 27 Dec 2015 19:14

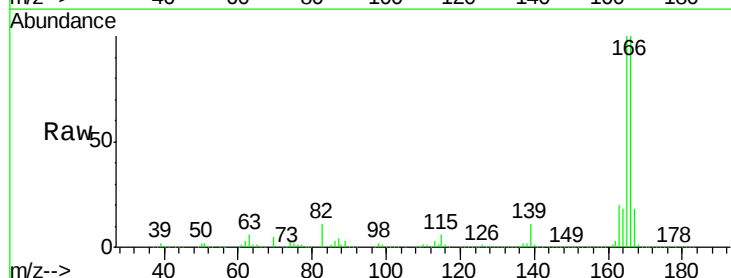
Tgt Ion:138 Resp: 24699

Ion Ratio Lower Upper

138 100

92 1.8 45.2 67.8#

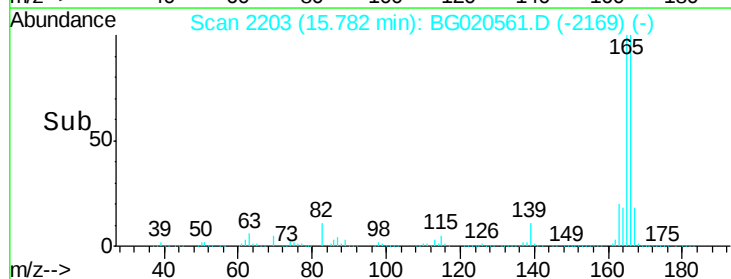
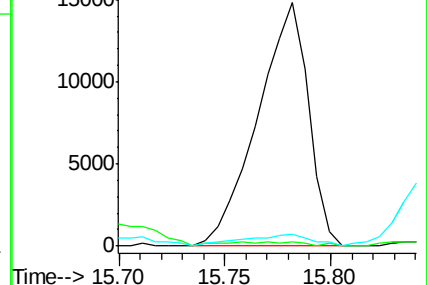
108 4.7 75.4 113.0#

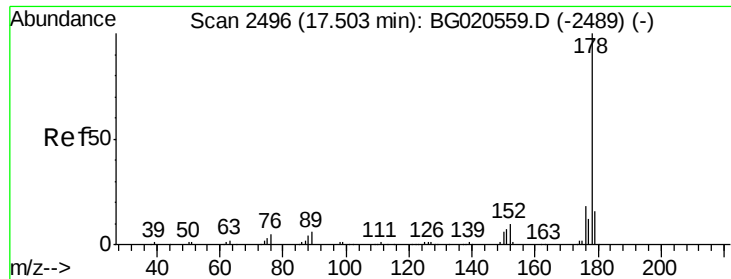


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BG

Ion 108.00 (107.70 to 108.70): E

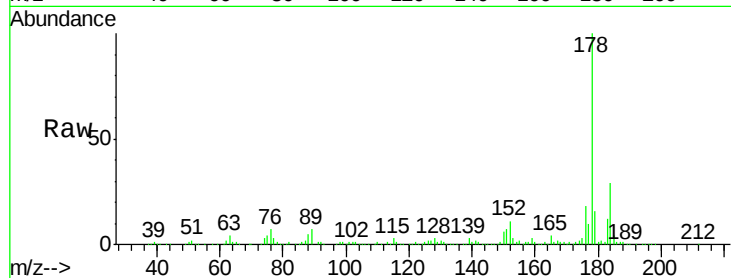




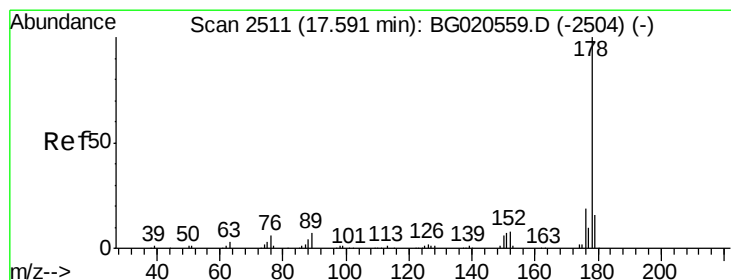
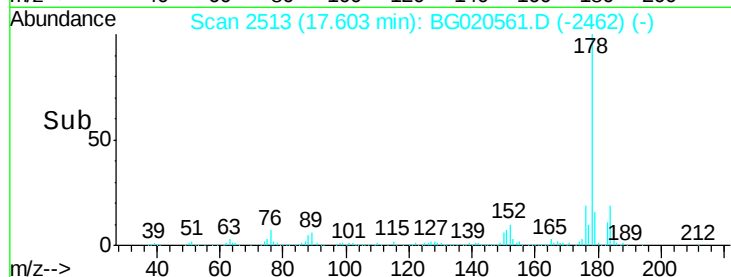
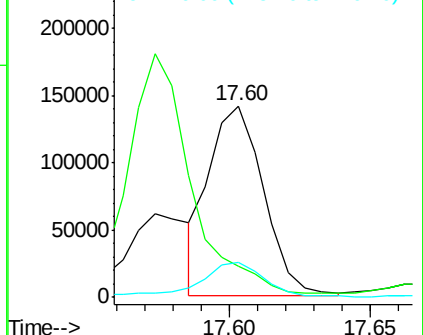
#70
Phenanthrene
Concen: 5.81 ng/ul
RT: 17.60 min Scan# 2513
Delta R.T. 0.10 min
Lab File: BG020561.D
Acq: 27 Dec 2015 19:14

Instrument :
BNA_G
ClientSampleId :
D9N54

Tgt Ion:178 Resp: 189803
Ion Ratio Lower Upper
178 100
179 16.4 12.9 19.3
176 18.4 15.3 22.9

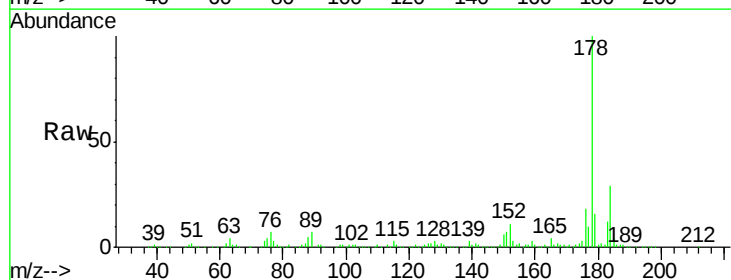


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E

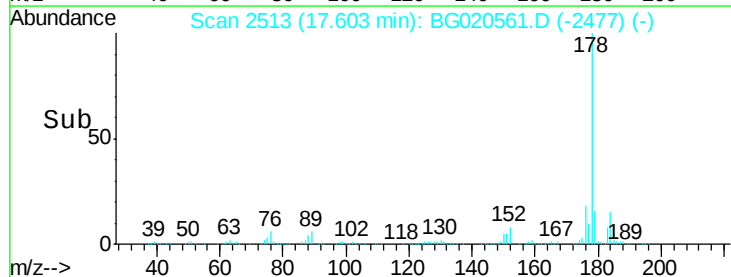
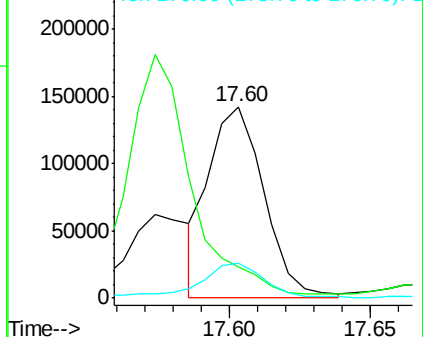


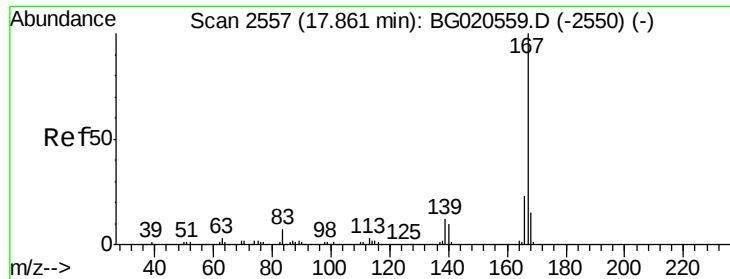
#72
Anthracene
Concen: 5.74 ng/ul
RT: 17.60 min Scan# 2513
Delta R.T. 0.01 min
Lab File: BG020561.D
Acq: 27 Dec 2015 19:14

Tgt Ion:178 Resp: 191665
Ion Ratio Lower Upper
178 100
179 16.4 12.3 18.5
176 18.4 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: 117.10 ng/ul

RT: 17.90 min Scan# 2564

Delta R.T. 0.04 min

Lab File: BG020561.D

Acq: 27 Dec 2015 19:14

Instrument :

BNA_G

ClientSampleId :

D9N54

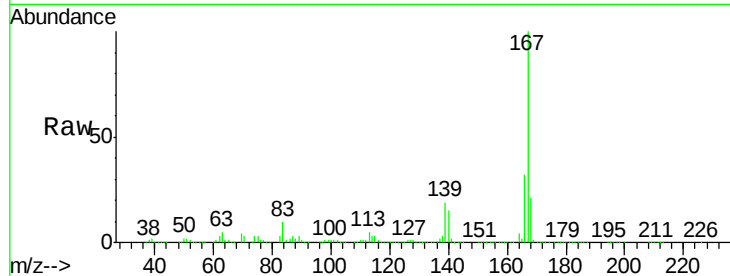
Tgt Ion:167 Resp: 3295886

Ion Ratio Lower Upper

167 100

166 32.1 17.0 25.6#

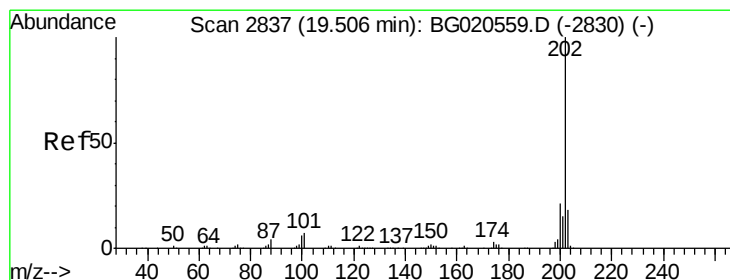
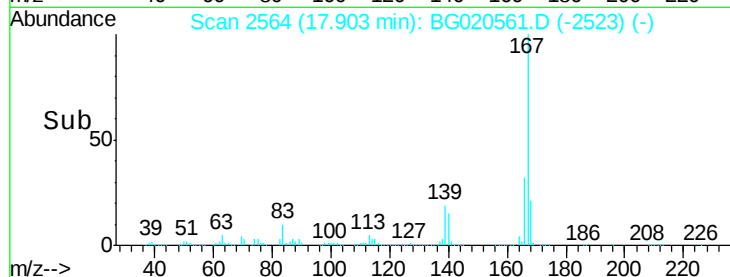
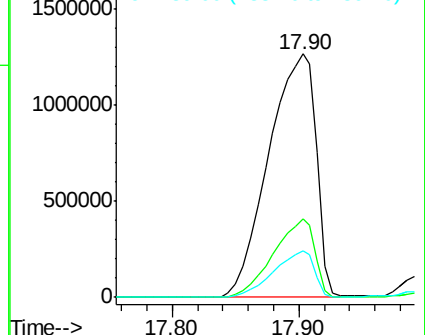
139 19.2 10.1 15.1#



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: 12.11 ng/ul

RT: 19.51 min Scan# 2838

Delta R.T. 0.01 min

Lab File: BG020561.D

Acq: 27 Dec 2015 19:14

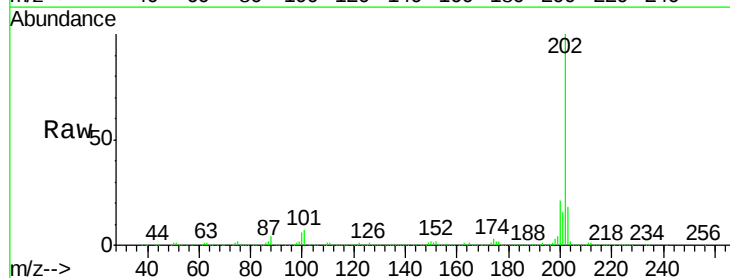
Tgt Ion:202 Resp: 497381

Ion Ratio Lower Upper

202 100

101 7.4 6.2 9.4

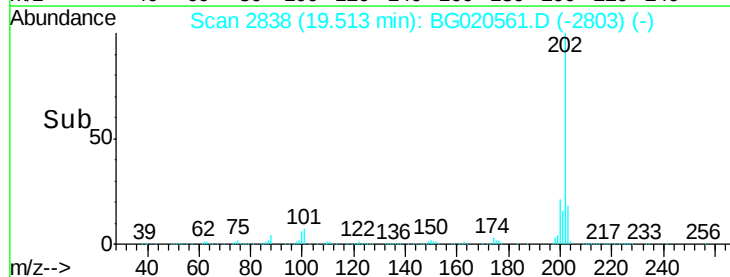
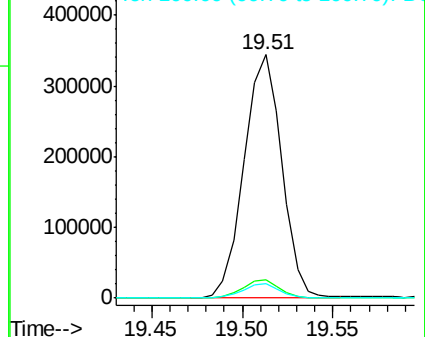
100 5.9 5.1 7.7

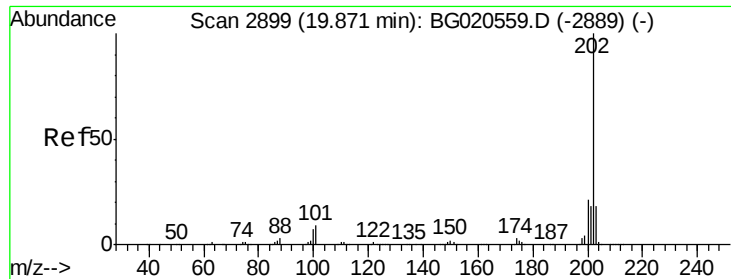


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80
 Pyrene
 Concen: 7.07 ng/ul
 RT: 19.87 min Scan# 2899
 Delta R.T. 0.00 min
 Lab File: BG020561.D
 Acq: 27 Dec 2015 19:14

Instrument :
 BNA_G
 ClientSampleId :
 D9N54

Tgt Ion:	202	Resp:	286031
Ion	Ratio	Lower	Upper
202	100		
101	8.9	7.0	10.4
100	7.5	6.4	9.6

