

Data Path : Z:\HPCHEM1\BNA G\DATA\BG111715\
 Data File : BG019663.D
 Acq On : 17 Nov 2015 17:11
 Operator : UM/NP
 Sample : G4323-16
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 18 00:40:03 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG111615.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Nov 18 00:33:53 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	18231	20.00	ng/ul	0.00
18) Naphthalene-d8	10.98	136	82497	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.78	164	70831	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.52	188	204618	20.00	ng/ul	0.00
78) Chrysene-d12	21.79	240	261814	20.00	ng/ul	0.00
86) Perylene-d12	25.11	264	254080	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.44	96	1760	4.12	ng/uL	0.00
5) Phenol-d5	7.29	99	54656	29.27	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.46	67	37249	30.44	ng/ul	0.00
9) 2-Chlorophenol-d4	7.67	132	33887	28.29	ng/ul	0.00
13) 4-Methylphenol-d8	8.86	113	44239	28.61	ng/ul	0.00
19) Nitrobenzene-d5	9.33	128	19412	28.66	ng/ul	0.00
22) 2-Nitrophenol-d4	10.05	143	22106	29.00	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.59	165	45190	27.42	ng/ul	0.00
29) 4-Chloroaniline-d4	11.11	131	54107	34.58	ng/ul	0.00
44) Dimethylphthalate-d6	14.18	166	202296	31.58	ng/ul	0.00
47) Acenaphthylene-d8	14.48	160	208396	30.01	ng/ul	0.00
52) 4-Nitrophenol-d4	14.97	143	34284	33.97	ng/ul	0.00
58) Fluorene-d10	15.77	176	184348	32.16	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.88	200	36267	27.44	ng/ul	0.00
71) Anthracene-d10	17.62	188	341094	34.33	ng/ul	0.00
79) Pyrene-d10	19.90	212	416039	34.88	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.88	264	475818	35.87	ng/ul	0.01

Target Compounds

					Ovalue
4) Benzaldehyde	7.28	77	56391	41.43	ng/ul 98
6) Phenol	7.32	94	2990	1.48	ng/ul# 90
10) 2-Chlorophenol	7.70	128	3891	3.32	ng/ul 90
15) N-Nitroso-di-n-propylamine	8.85	70	1741	1.01	ng/ul# 1
23) 2-Nitrophenol	10.08	139	29586	35.86	ng/ul 95
28) Naphthalene	11.03	128	32870	7.38	ng/ul# 95
30) 4-Chloroaniline	11.03	127	4436	2.73	ng/ul# 36
31) Hexachlorobutadiene	11.31	225	24830	17.57	ng/ul 93
32) Caprolactam	11.92	113	2050	3.21	ng/ul 89
33) 4-Chloro-3-methylphenol	12.25	107	21387	9.77	ng/ul 95
35) 1-Methylnaphthalene	12.85	142	48540	13.71	ng/ul 100
37) 1,2,4,5-Tetrachlorobenzene	12.99	216	19549	6.88	ng/ul# 95
39) 2,4,6-Trichlorophenol	13.22	196	24310	14.04	ng/ul 94
40) 2,4,5-Trichlorophenol	13.22	196	23168	12.79	ng/ul 96
41) 1,1'-Biphenyl	13.62	154	116580	22.13	ng/ul 98
45) Dimethylphthalate	14.23	163	214456	33.76	ng/ul 99
46) 2,6-Dinitrotoluene	14.35	165	21302	16.76	ng/ul 99
53) 4-Nitrophenol	14.99	109	53883	43.80	ng/ul 96
54) Dibenzofuran	15.18	168	68587	9.86	ng/ul 92
64) 4,6-Dinitro-2-methylphenol	15.89	198	27914	19.89	ng/ul# 82
67) Hexachlorobenzene	16.83	284	22051	8.50	ng/ul# 92
69) Pentachlorophenol	17.18	266	26338	18.14	ng/ul 99
70) Phenanthrene	17.57	178	278479	25.43	ng/ul 97

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QLast Update : Wed Nov 18 00:33:53 2015
Response via : Initial Calibration

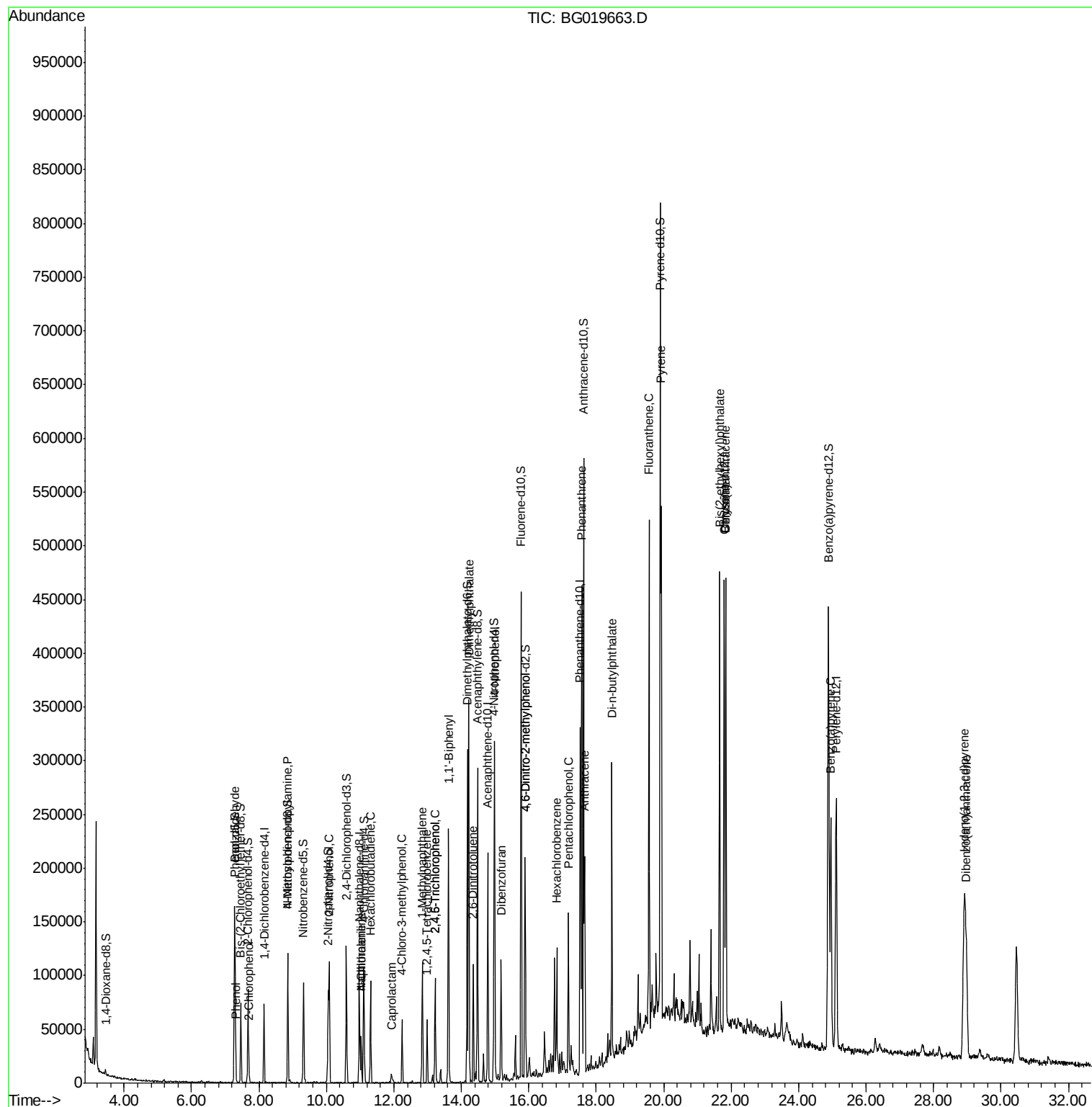
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
72) Anthracene	17.66	178	119310	10.80	ng/ul	99
76) Di-n-butylphthalate	18.46	149	192539	16.74	ng/ul	97
77) Fluoranthene	19.57	202	304843	21.84	ng/ul	98
80) Pyrene	19.93	202	325035	21.26	ng/ul	98
83) Benzo(a)anthracene	21.84	228	280131	17.65	ng/ul	95
84) Bis(2-ethylhexyl)phthalate	21.66	149	171598	23.27	ng/ul#	97
85) Chrysene	21.84	228	279803	18.73	ng/ul	98
91) Benzo(a)pyrene	24.95	252	245066	16.26	ng/ul	98
92) Indeno(1,2,3-cd)pyrene	28.91	276	314236	18.63	ng/ul	92
93) Dibenzo(a,h)anthracene	28.97	278	160452	11.57	ng/ul#	97

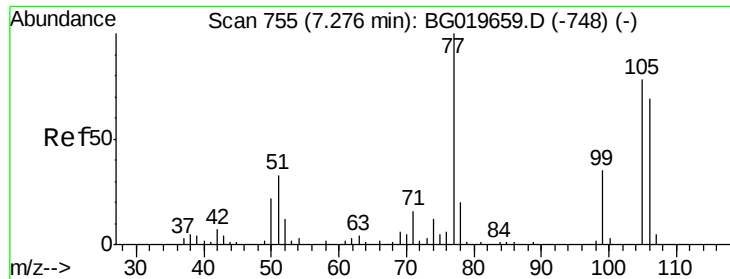
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

Benzaldehyde

Concen: 41.43 ng/ul

RT: 7.28 min Scan# 755

Delta R.T. -0.00 min

Lab File: BG019663.D

Acq: 17 Nov 2015 17:11

Instrument :

BNA_G

ClientSampleId :

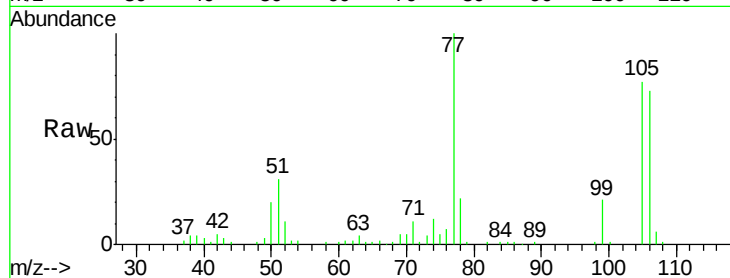
Tot Ion: 77 Resp: 56391

Ion Ratio Lower Upper

77 100

105 76.7 58.6 88.0

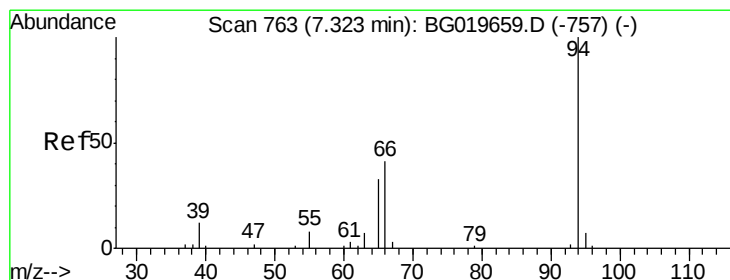
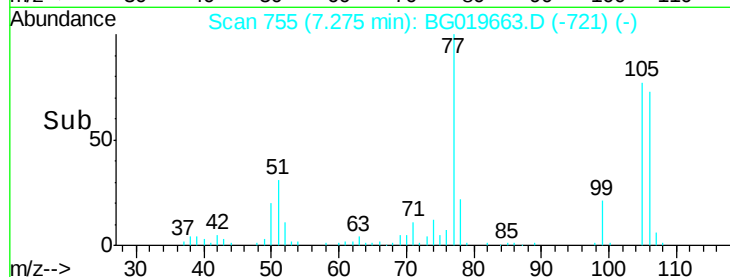
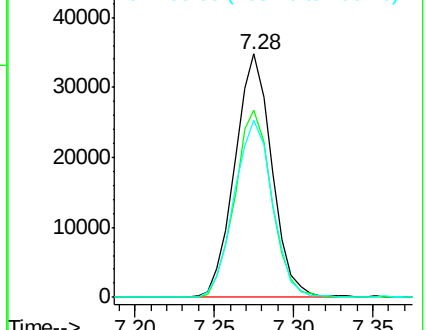
106 72.8 57.7 86.5



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: 1.48 ng/ul

RT: 7.32 min Scan# 763

Delta R.T. -0.00 min

Lab File: BG019663.D

Acq: 17 Nov 2015 17:11

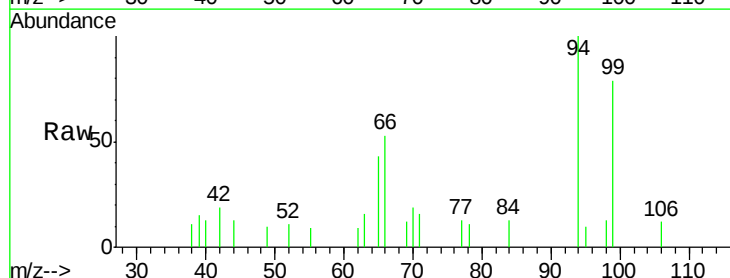
Tgt Ion: 94 Resp: 2990

Ion Ratio Lower Upper

94 100

65 43.2 27.4 41.0#

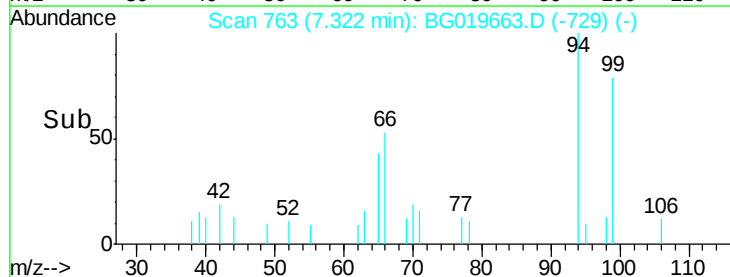
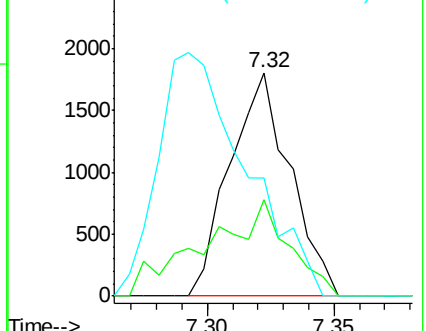
66 53.0 39.0 58.6

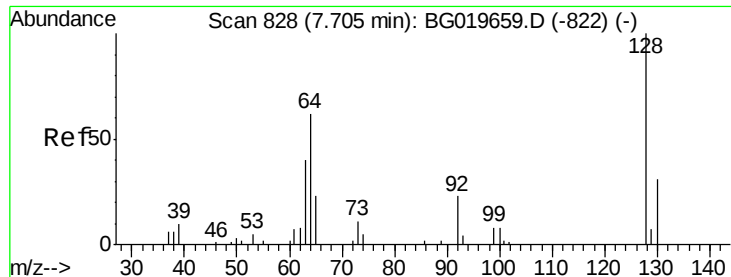


Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

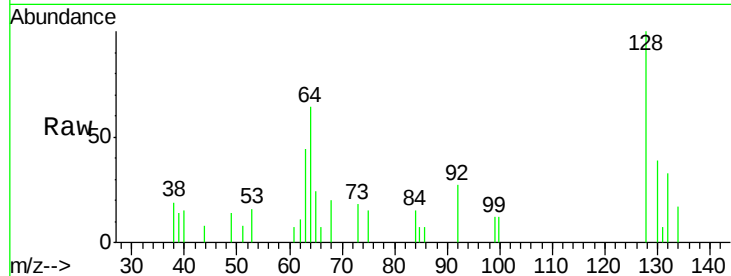




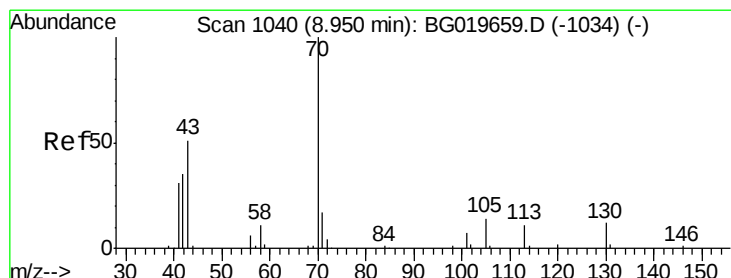
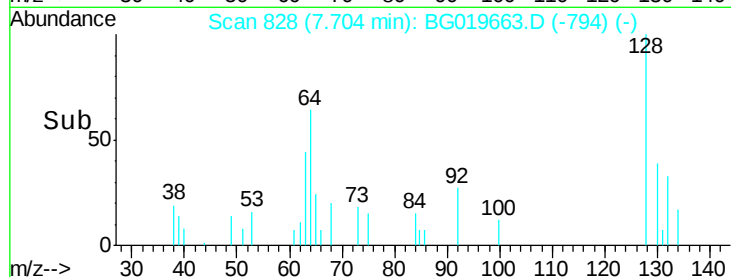
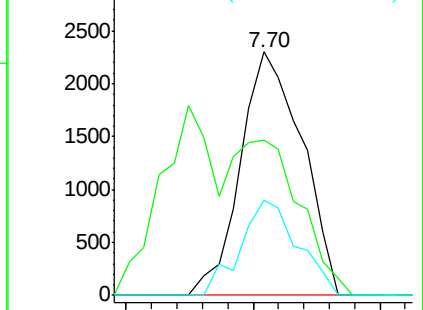
#10
2-Chlorophenol
Concen: 3.32 ng/ul
RT: 7.70 min Scan# 828
Delta R.T. -0.00 min
Lab File: BG019663.D
Acq: 17 Nov 2015 17:11

Instrument :
BNA_G
ClientSampleId :

Tot Ion:128 Resp: 3891
Ion Ratio Lower Upper
128 100
64 63.9 59.4 89.0
130 39.3 28.9 43.3

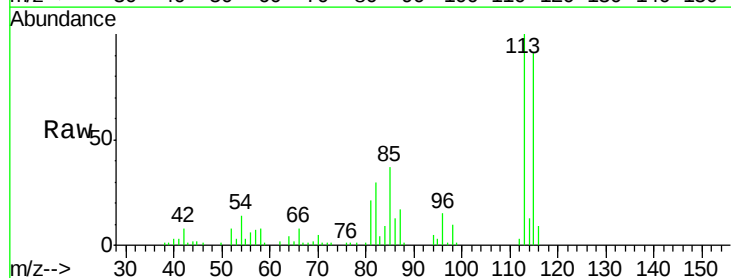


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 64.00 (63.70 to 64.70): BGC
Ion 130.00 (129.70 to 130.70): E

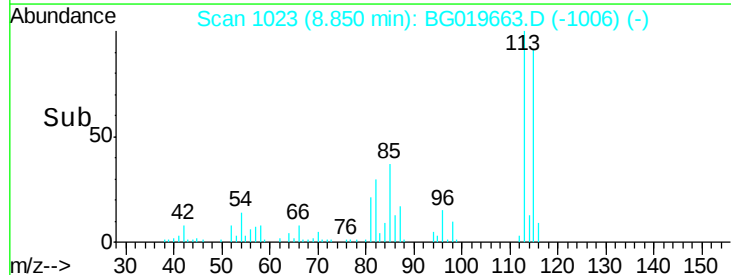
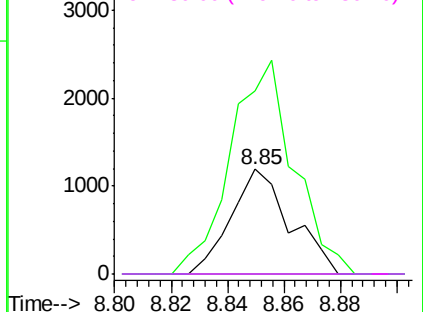


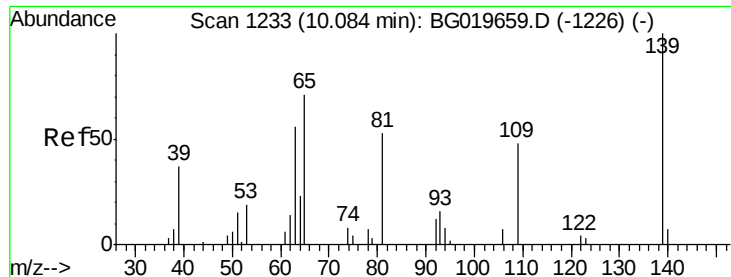
#15
N-Nitroso-di-n-propylamine
Concen: 1.01 ng/ul
RT: 8.85 min Scan# 1023
Delta R.T. -0.10 min
Lab File: BG019663.D
Acq: 17 Nov 2015 17:11

Tgt Ion: 70 Resp: 1741
Ion Ratio Lower Upper
70 100
42 175.1 28.4 42.6#
101 0.0 5.3 7.9#
130 0.0 10.9 16.3#



Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): E
Ion 130.00 (129.70 to 130.70): E

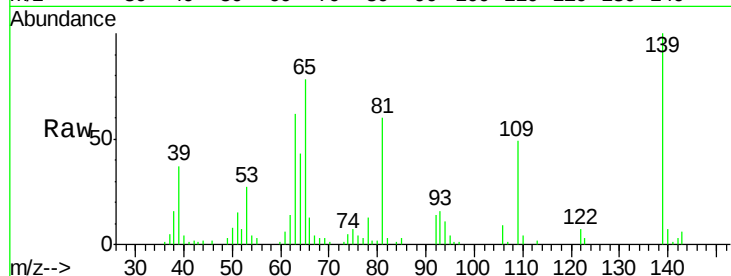




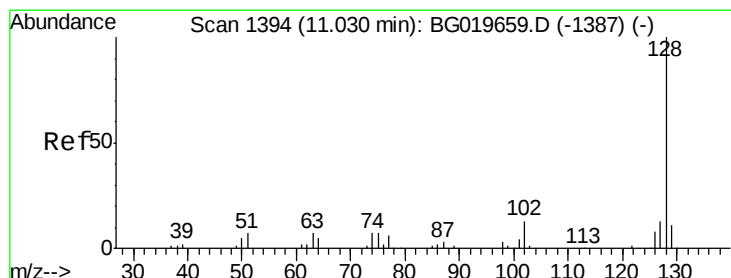
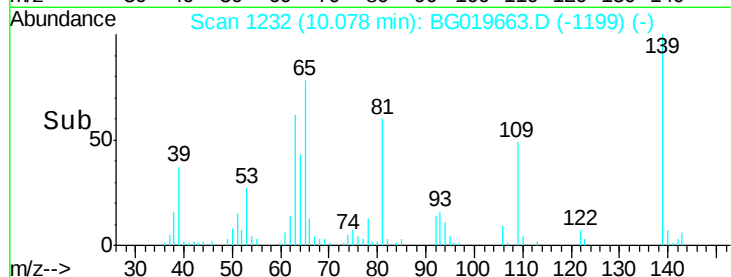
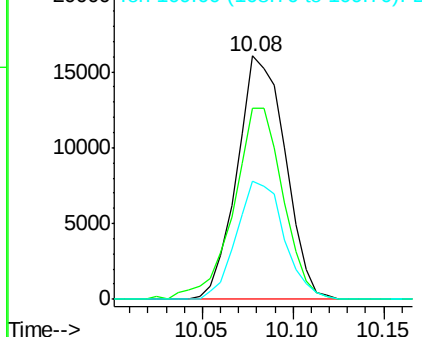
#23
2-Nitrophenol
Concen: 35.86 ng/ul
RT: 10.08 min Scan# 1232
Delta R.T. -0.01 min
Lab File: BG019663.D
Acq: 17 Nov 2015 17:11

Instrument :
BNA_G
ClientSampleId :

Tot Ion:139 Resp: 29586
Ion Ratio Lower Upper
139 100
65 78.4 58.2 87.2
109 48.5 40.5 60.7

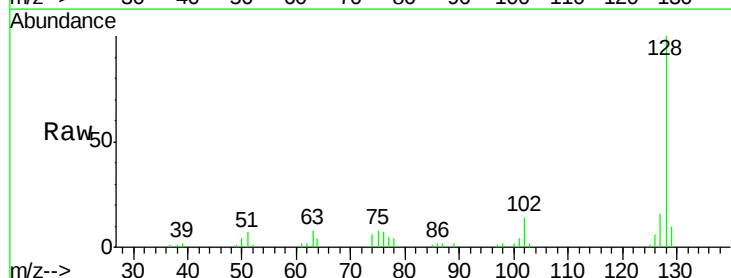


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 65.00 (64.70 to 65.70): BGC
Ion 109.00 (108.70 to 109.70): E

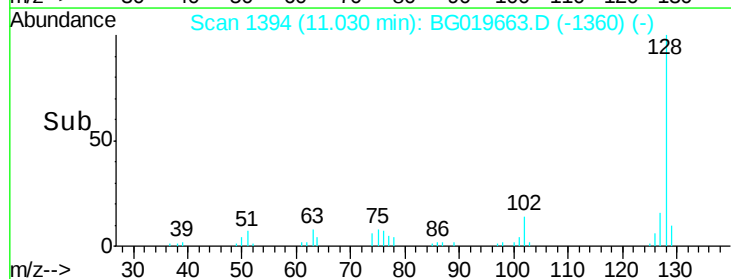
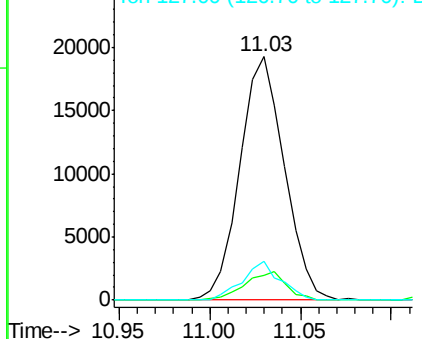


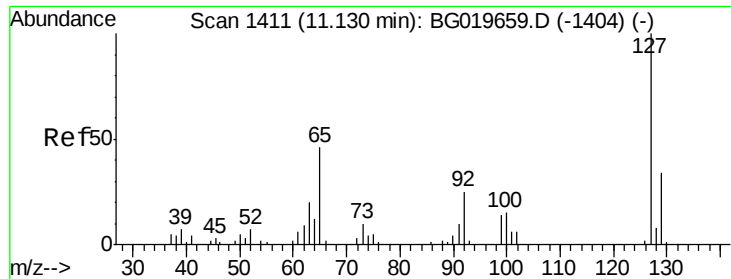
#28
Naphthalene
Concen: 7.38 ng/ul
RT: 11.03 min Scan# 1394
Delta R.T. -0.00 min
Lab File: BG019663.D
Acq: 17 Nov 2015 17:11

Tgt Ion:128 Resp: 32870
Ion Ratio Lower Upper
128 100
129 10.2 8.1 12.1
127 15.7 10.0 15.0#



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

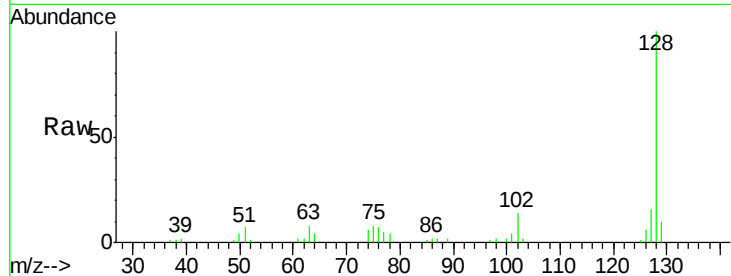




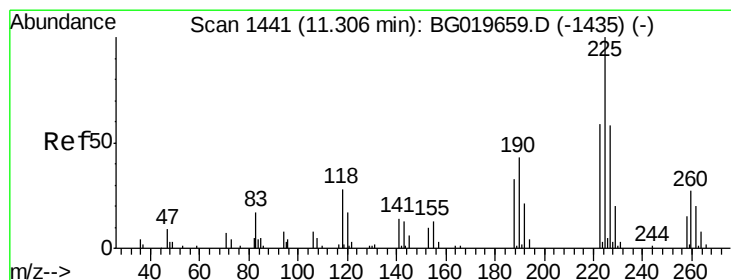
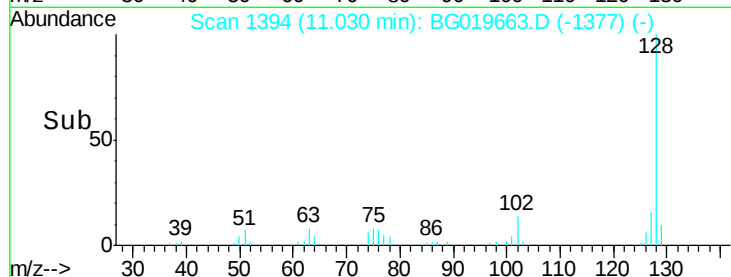
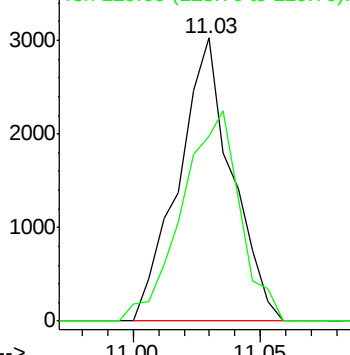
#30
4-Chloroaniline
Concen: 2.73 ng/ul
RT: 11.03 min Scan# 1394
Delta R.T. -0.10 min
Lab File: BG019663.D
Acq: 17 Nov 2015 17:11

Instrument :
BNA_G
ClientSampleId :

Tot Ion:127 Resp: 4436
Ion Ratio Lower Upper
127 100
129 65.2 24.2 36.4#

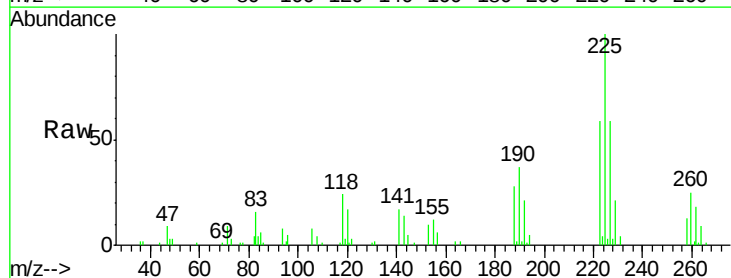


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E

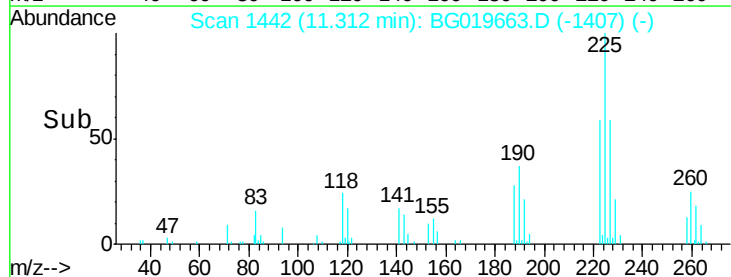
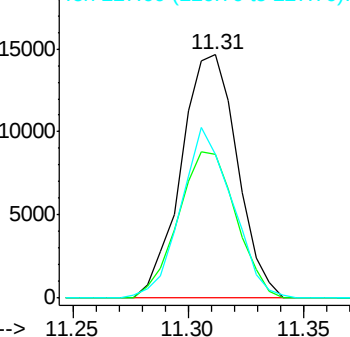


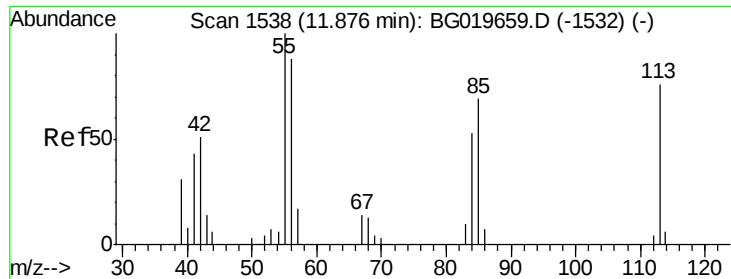
#31
Hexachlorobutadiene
Concen: 17.57 ng/ul
RT: 11.31 min Scan# 1442
Delta R.T. 0.01 min
Lab File: BG019663.D
Acq: 17 Nov 2015 17:11

Tgt Ion:225 Resp: 24830
Ion Ratio Lower Upper
225 100
223 57.2 52.4 78.6
227 60.7 51.0 76.6



Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E

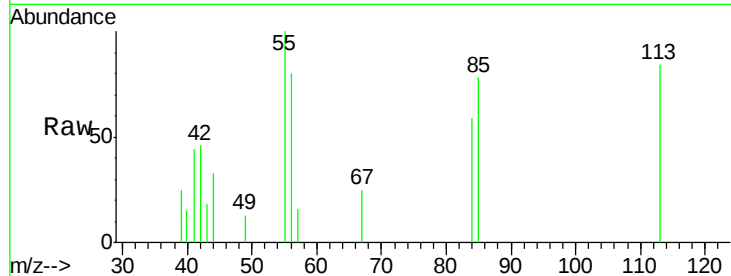




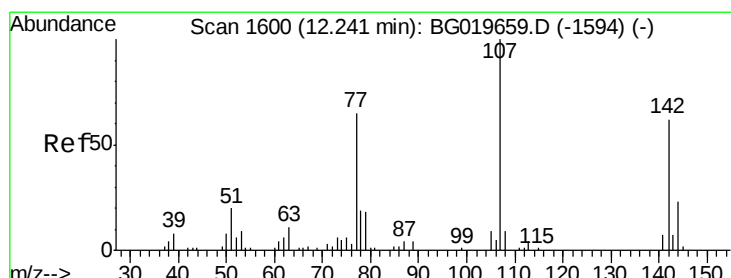
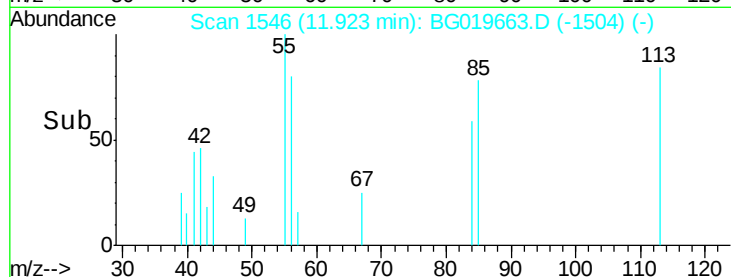
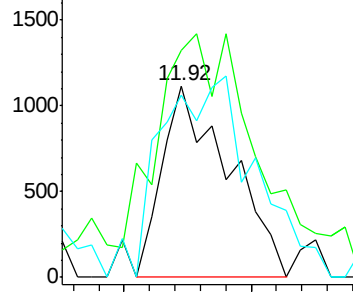
#32
Caprolactam
Concen: 3.21 ng/ul
RT: 11.92 min Scan# 1546
Delta R.T. 0.05 min
Lab File: BG019663.D
Acq: 17 Nov 2015 17:11

Instrument :
BNA_G
ClientSampleId :

Tot Ion:113 Resp: 2050
Ion Ratio Lower Upper
113 100
55 118.8 111.4 167.0
56 94.9 79.0 118.6

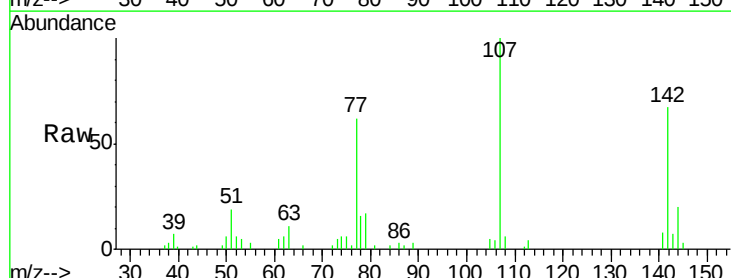


Abundance Ion 113.00 (112.70 to 113.70): E
Ion 55.00 (54.70 to 55.70): BGO
Ion 56.00 (55.70 to 56.70): BGO

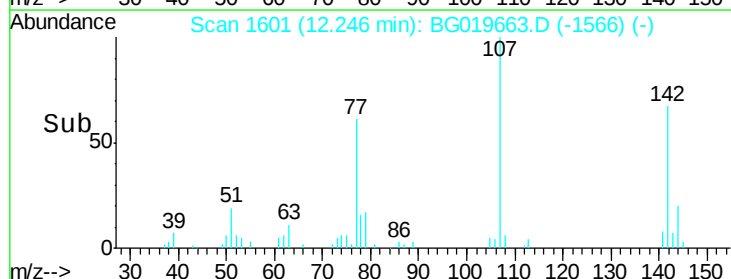
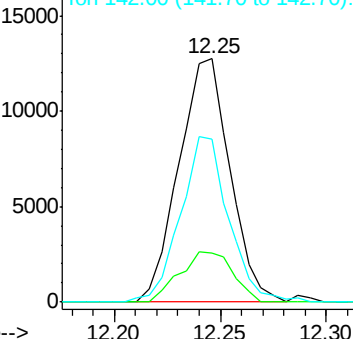


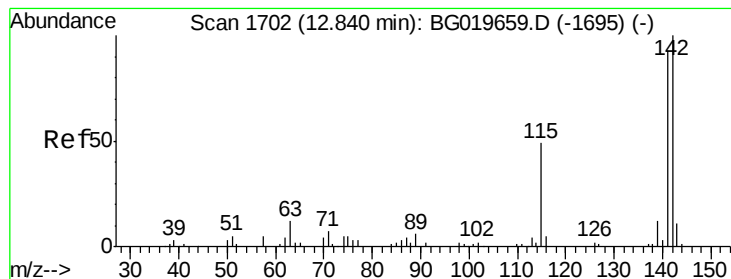
#33
4-Chloro-3-methylphenol
Concen: 9.77 ng/ul
RT: 12.25 min Scan# 1601
Delta R.T. 0.01 min
Lab File: BG019663.D
Acq: 17 Nov 2015 17:11

Tgt Ion:107 Resp: 21387
Ion Ratio Lower Upper
107 100
144 20.2 18.2 27.2
142 66.8 50.1 75.1



Abundance Ion 107.00 (106.70 to 107.70): E
Ion 144.00 (143.70 to 144.70): E
Ion 142.00 (141.70 to 142.70): E





#35

1-Methylnaphthalene

Concen: 13.71 ng/ul

RT: 12.85 min Scan# 1703

Delta R.T. 0.01 min

Lab File: BG019663.D

Acq: 17 Nov 2015 17:11

Instrument :

BNA_G

ClientSampleId :

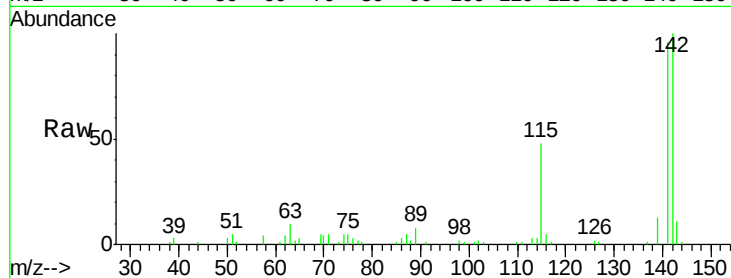
Tot Ion:142 Resp: 48540

Ion Ratio Lower Upper

142 100

141 95.6 76.6 114.8

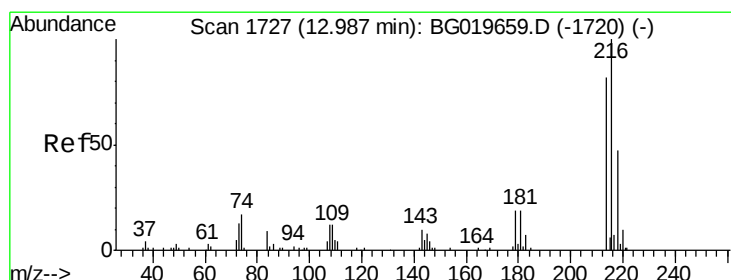
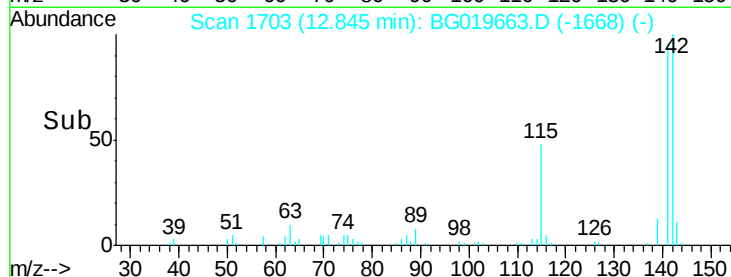
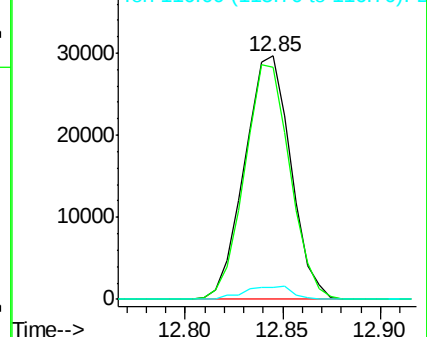
116 4.8 4.1 6.1



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



#37

1,2,4,5-Tetrachlorobenzene

Concen: 6.88 ng/ul

RT: 12.99 min Scan# 1727

Delta R.T. -0.00 min

Lab File: BG019663.D

Acq: 17 Nov 2015 17:11

Tgt Ion:216 Resp: 19549

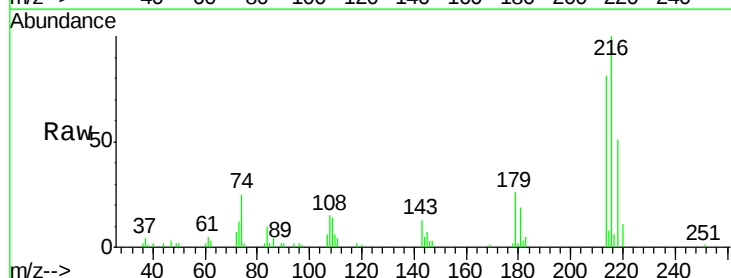
Ion Ratio Lower Upper

216 100

214 80.6 62.9 94.3

179 28.3 16.9 25.3#

108 14.9 12.6 18.8

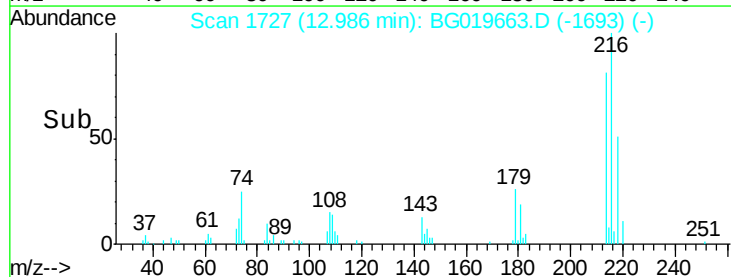
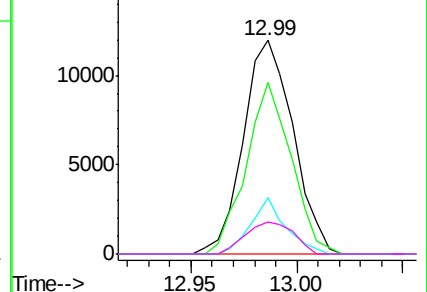


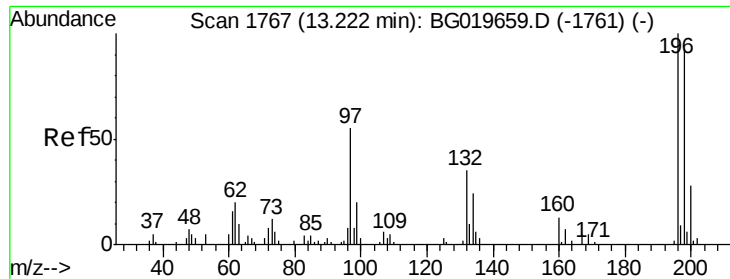
Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E

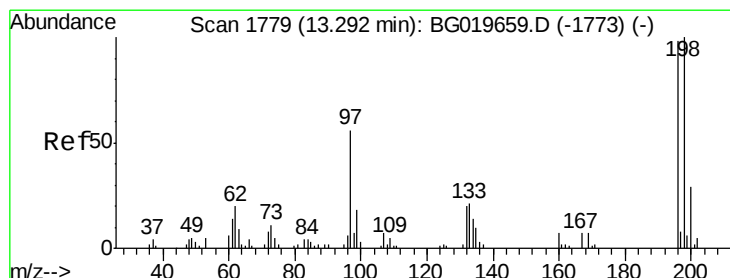
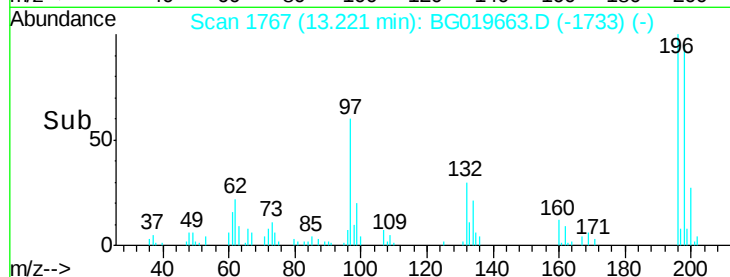
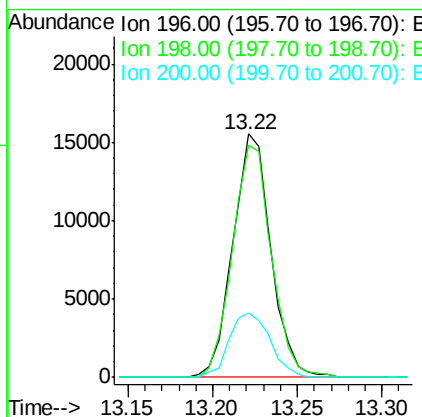
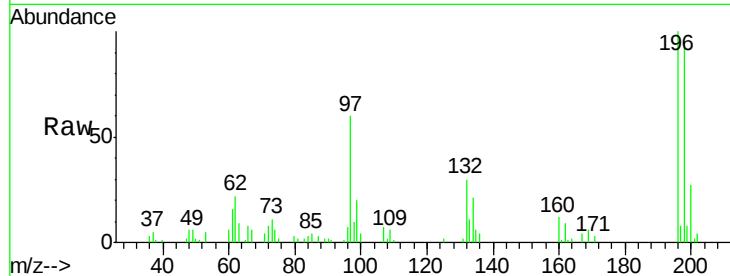




#39
 2,4,6-Trichlorophenol
 Concen: 14.04 ng/ul
 RT: 13.22 min Scan# 1767
 Delta R.T. -0.00 min
 Lab File: BG019663.D
 Acq: 17 Nov 2015 17:11

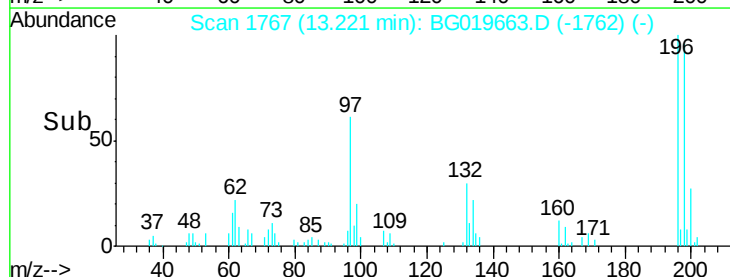
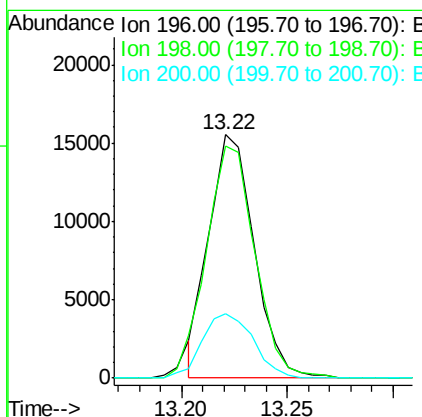
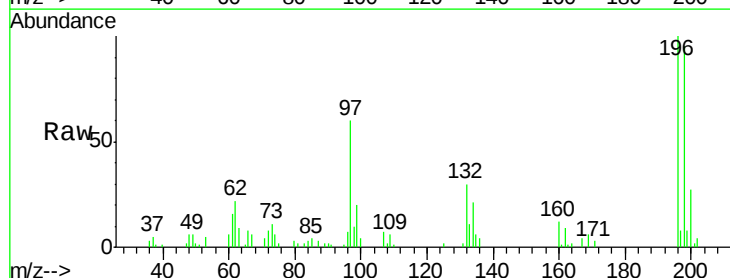
Instrument :
 BNA_G
 ClientSampleId :

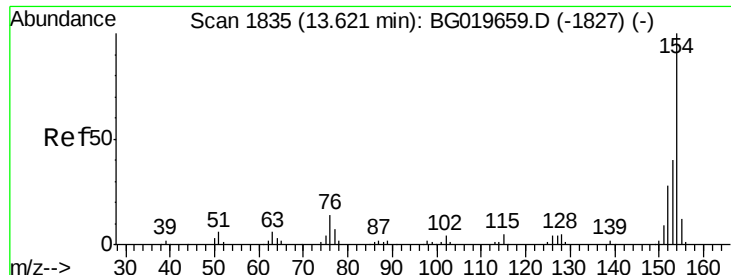
Tot Ion:196 Resp: 24310
 Ion Ratio Lower Upper
 196 100
 198 95.2 73.3 109.9
 200 26.5 26.1 39.1



#40
 2,4,5-Trichlorophenol
 Concen: 12.79 ng/ul
 RT: 13.22 min Scan# 1767
 Delta R.T. -0.07 min
 Lab File: BG019663.D
 Acq: 17 Nov 2015 17:11

Tgt Ion:196 Resp: 23168
 Ion Ratio Lower Upper
 196 100
 198 95.2 79.0 118.4
 200 26.5 24.2 36.2

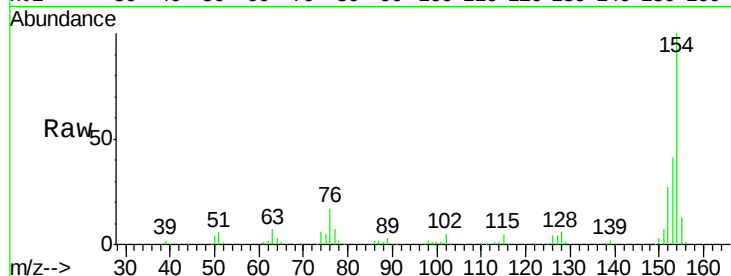




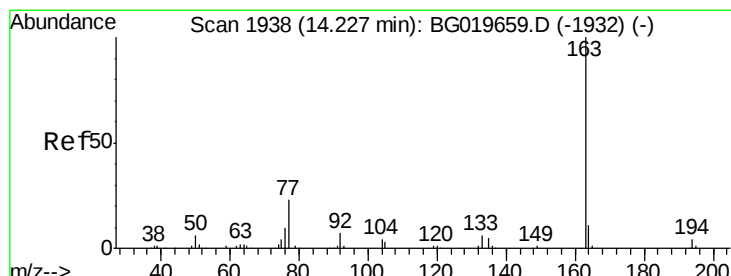
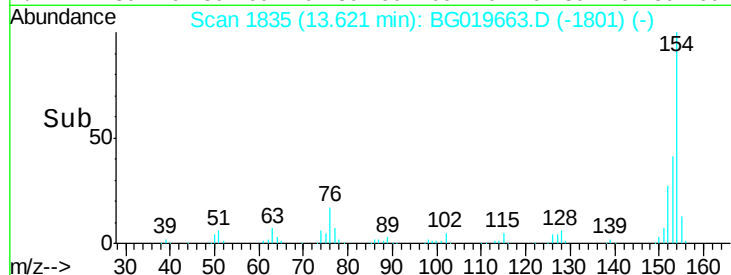
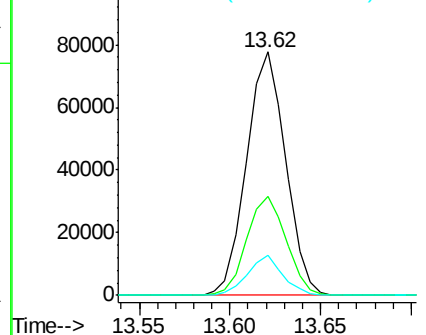
#41
1,1'-Biphenyl
Concen: 22.13 ng/ul
RT: 13.62 min Scan# 1835
Delta R.T. -0.00 min
Lab File: BG019663.D
Acq: 17 Nov 2015 17:11

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
154	100		
153	40.8	33.4	50.0
76	16.6	12.1	18.1

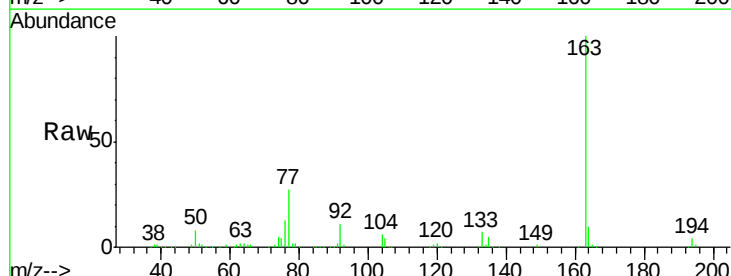


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): B

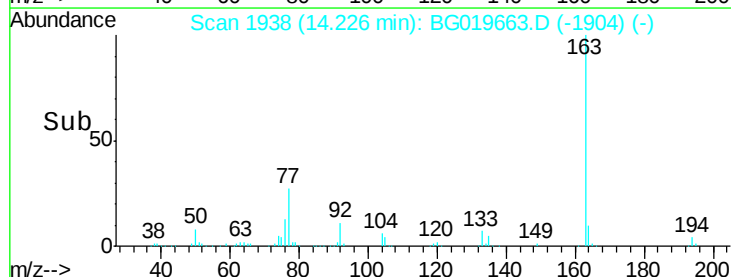
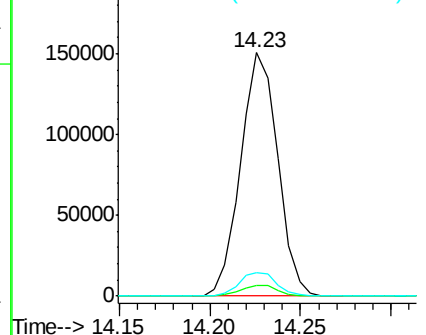


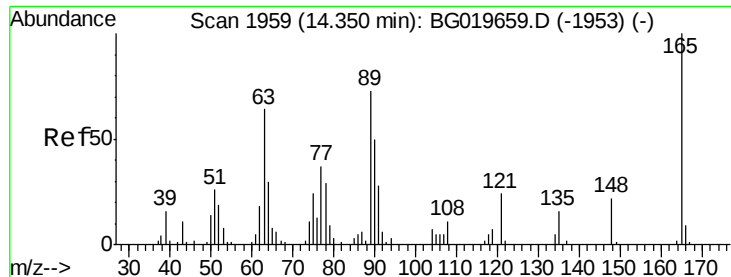
#45
Dimethylphthalate
Concen: 33.76 ng/ul
RT: 14.23 min Scan# 1938
Delta R.T. -0.00 min
Lab File: BG019663.D
Acq: 17 Nov 2015 17:11

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.5	5.3
164	9.9	8.3	12.5



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

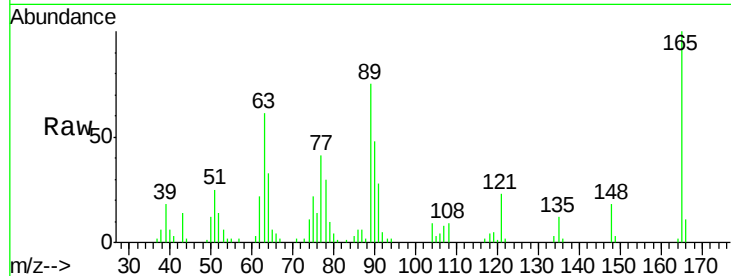




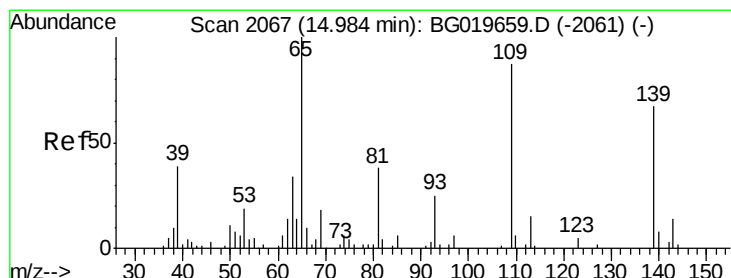
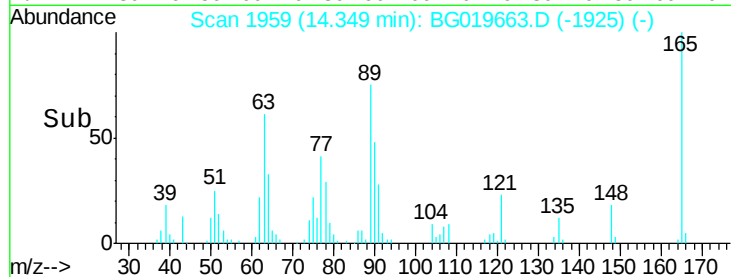
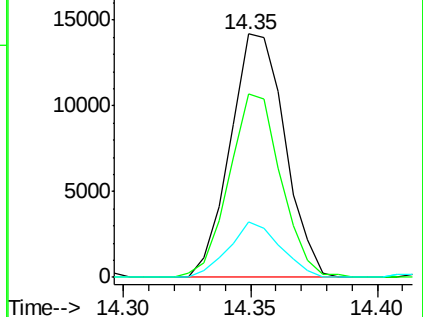
#46
2,6-Dinitrotoluene
Concen: 16.76 ng/ul
RT: 14.35 min Scan# 1959
Delta R.T. -0.00 min
Lab File: BG019663.D
Acq: 17 Nov 2015 17:11

Instrument :
BNA_G
ClientSampleId :

Tot Ion:165 Resp: 21302
Ion Ratio Lower Upper
165 100
89 75.4 61.1 91.7
121 22.7 17.8 26.8

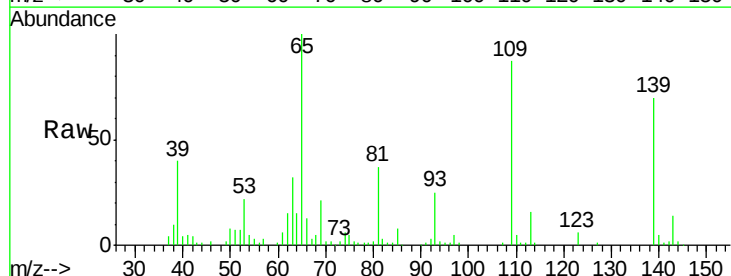


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 89.00 (88.70 to 89.70): BG
Ion 121.00 (120.70 to 121.70): E

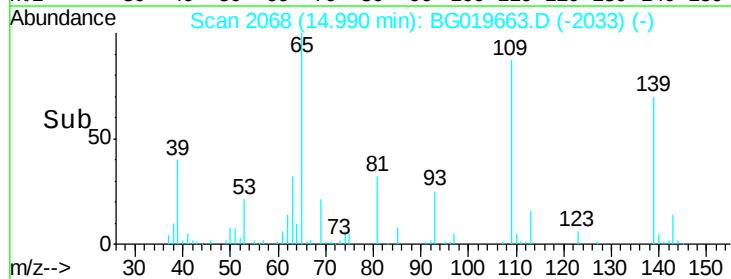
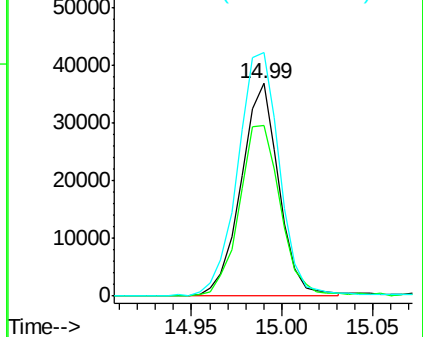


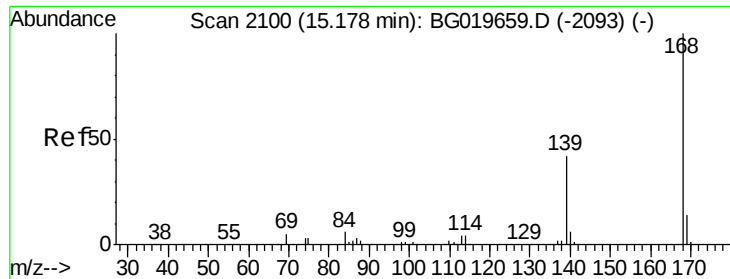
#53
4-Nitrophenol
Concen: 43.80 ng/ul
RT: 14.99 min Scan# 2068
Delta R.T. 0.01 min
Lab File: BG019663.D
Acq: 17 Nov 2015 17:11

Tgt Ion:109 Resp: 53883
Ion Ratio Lower Upper
109 100
139 80.3 67.8 101.6
65 114.6 94.5 141.7



Abundance Ion 109.00 (108.70 to 109.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 65.00 (64.70 to 65.70): BG

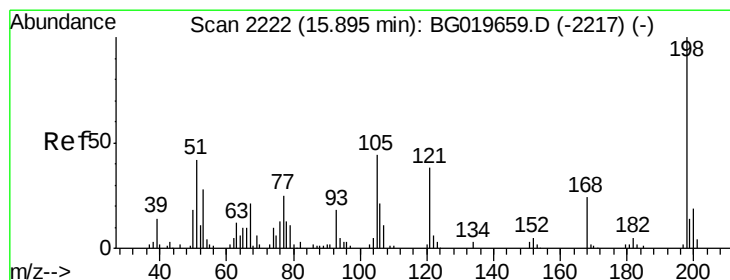
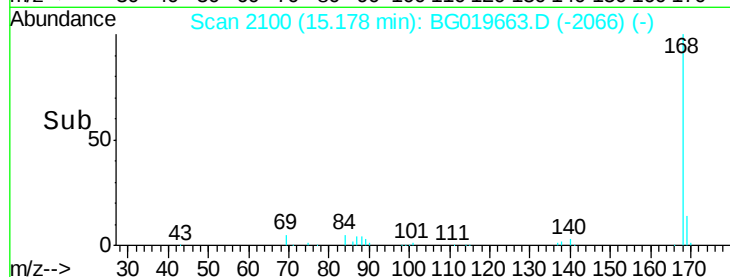
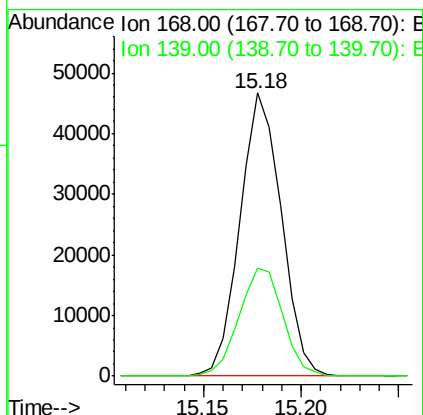
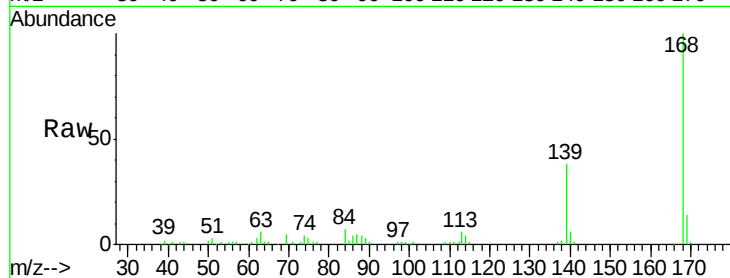




#54
Dibenzofuran
Concen: 9.86 ng/ul
RT: 15.18 min Scan# 2100
Delta R.T. -0.00 min
Lab File: BG019663.D
Acq: 17 Nov 2015 17:11

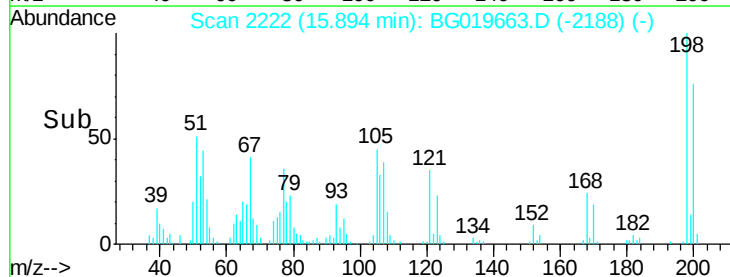
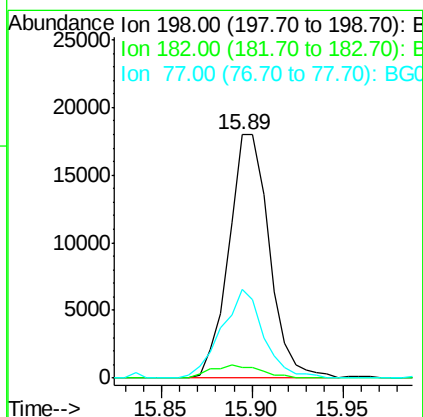
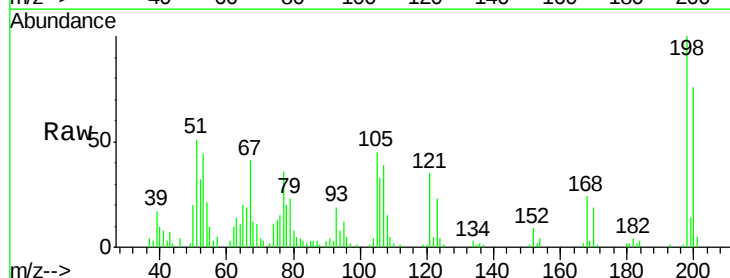
Instrument :
BNA_G
ClientSampled :

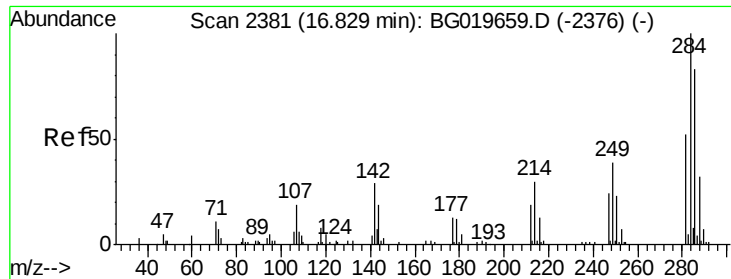
Tot Ion:168 Resp: 68587
Ion Ratio Lower Upper
168 100
139 38.1 34.7 52.1



#64
4,6-Dinitro-2-methylphenol
Concen: 19.89 ng/ul
RT: 15.89 min Scan# 2222
Delta R.T. -0.00 min
Lab File: BG019663.D
Acq: 17 Nov 2015 17:11

Tgt Ion:198 Resp: 27914
Ion Ratio Lower Upper
198 100
182 4.2 3.4 5.2
77 36.5 20.6 31.0#





#67

Hexachlorobenzene

Concen: 8.50 ng/ul

RT: 16.83 min Scan# 2381

Delta R.T. -0.00 min

Lab File: BG019663.D

Acq: 17 Nov 2015 17:11

Instrument :

BNA_G

ClientSampleId :

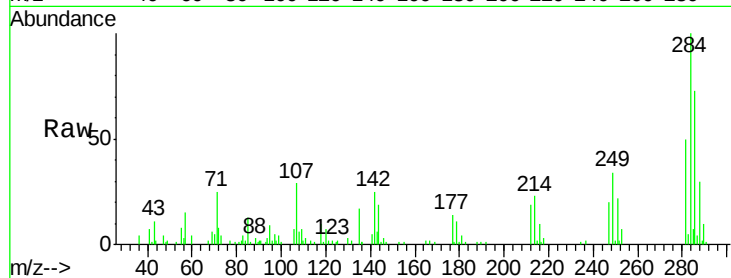
Tot Ion:284 Resp: 22051

Ion Ratio Lower Upper

284 100

142 23.6 23.6 35.4#

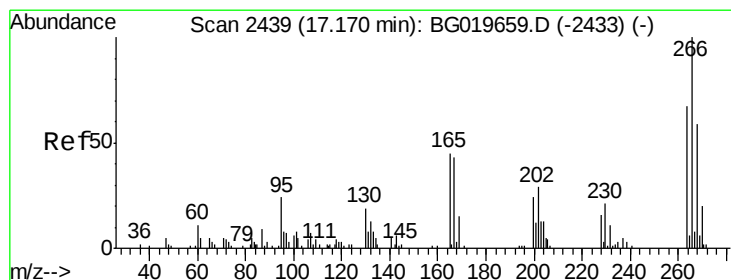
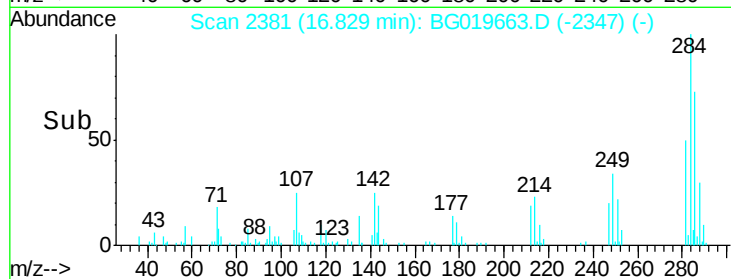
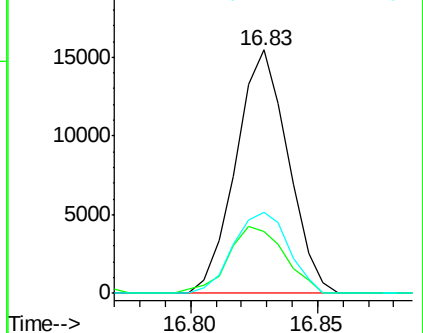
249 31.3 27.8 41.6



Abundance Ion 284.00 (283.70 to 284.70): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#69

Pentachlorophenol

Concen: 18.14 ng/ul

RT: 17.18 min Scan# 2440

Delta R.T. 0.01 min

Lab File: BG019663.D

Acq: 17 Nov 2015 17:11

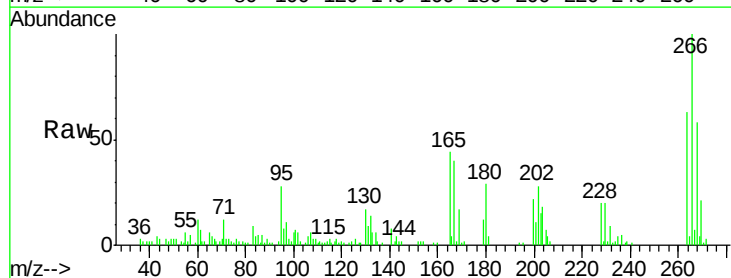
Tgt Ion:266 Resp: 26338

Ion Ratio Lower Upper

266 100

264 63.0 51.8 77.8

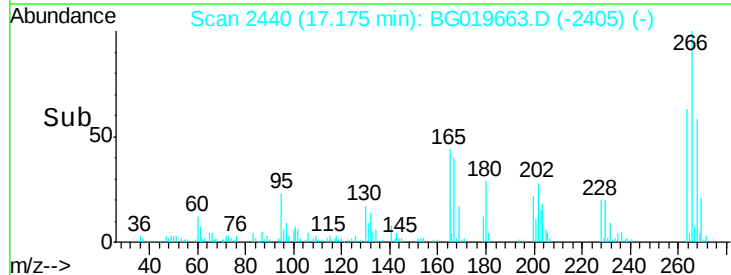
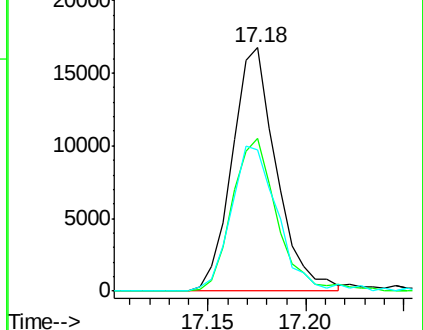
268 58.1 46.8 70.2

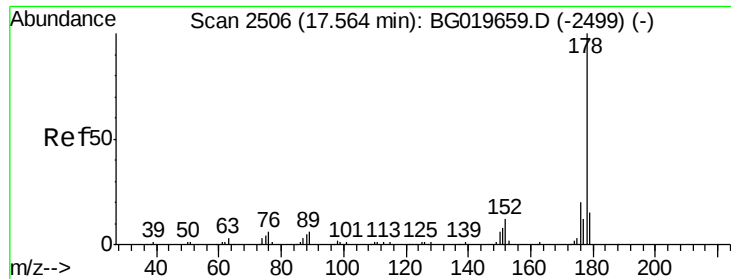


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#70

Phenanthrene

Concen: 25.43 ng/ul

RT: 17.57 min Scan# 2507

Delta R.T. 0.01 min

Lab File: BG019663.D

Acq: 17 Nov 2015 17:11

Instrument :

BNA_G

ClientSampleId :

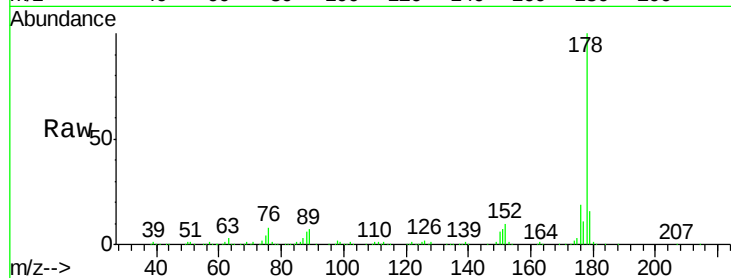
Tot Ion:178 Resp: 278479

Ion Ratio Lower Upper

178 100

179 15.9 12.2 18.2

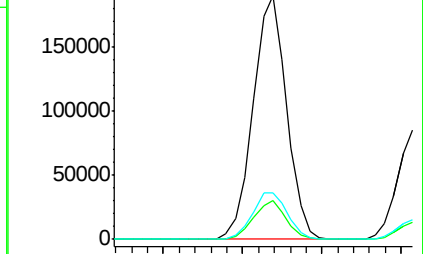
176 18.9 16.6 24.8



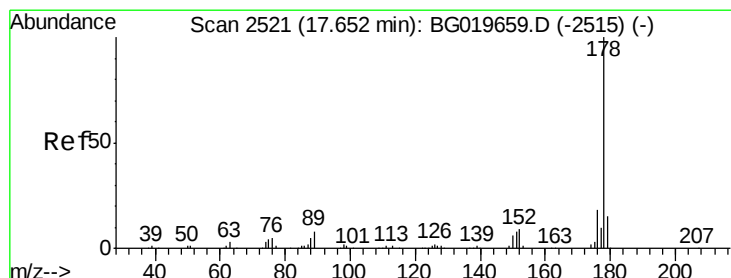
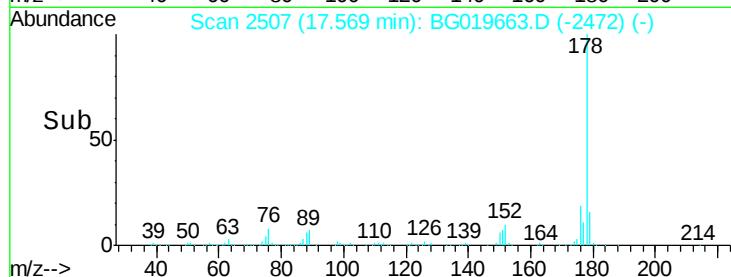
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



Time-->



#72

Anthracene

Concen: 10.80 ng/ul

RT: 17.66 min Scan# 2522

Delta R.T. 0.01 min

Lab File: BG019663.D

Acq: 17 Nov 2015 17:11

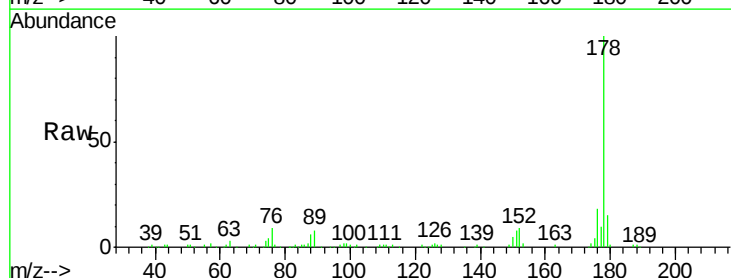
Tgt Ion:178 Resp: 119310

Ion Ratio Lower Upper

178 100

179 15.3 12.6 19.0

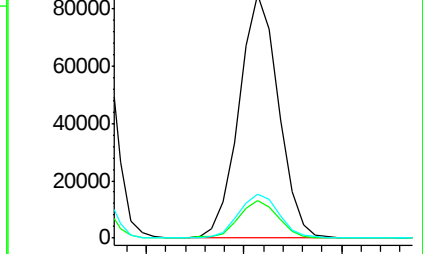
176 18.3 15.0 22.4



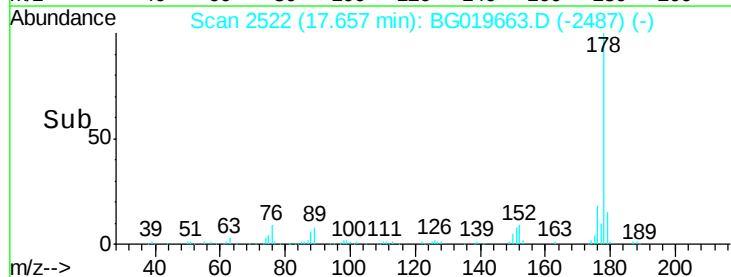
Abundance Ion 178.00 (177.70 to 178.70): E

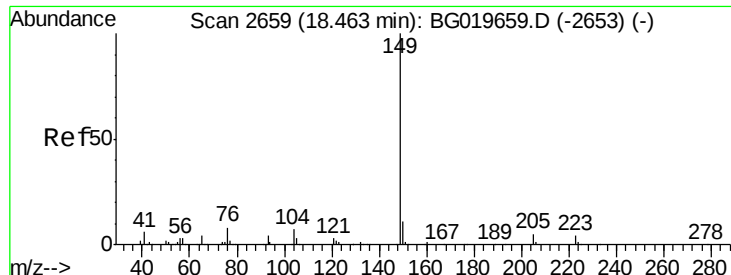
Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



Time-->

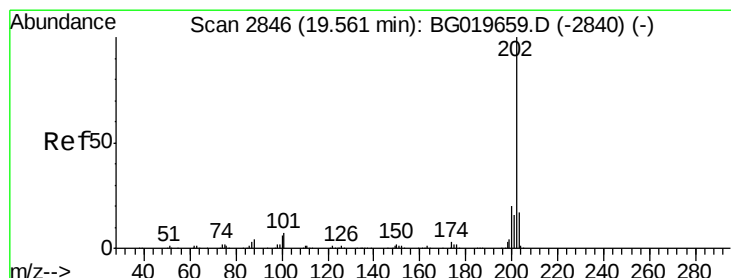
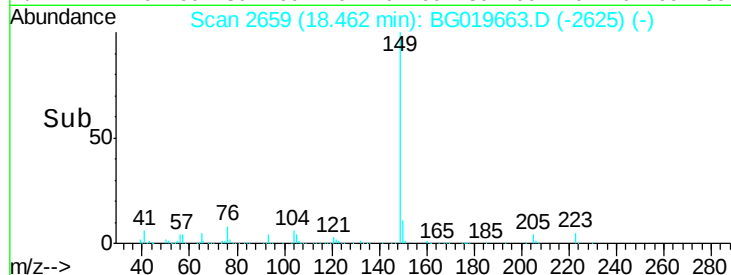
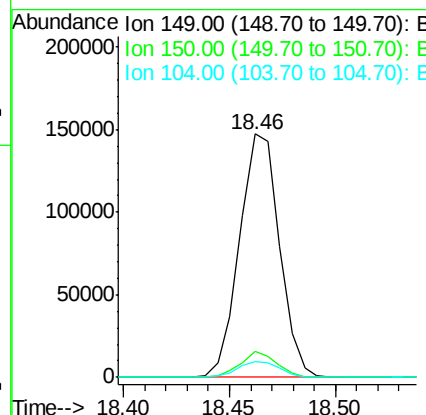
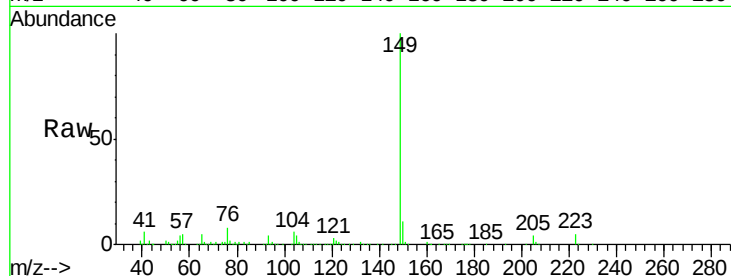




#76
Di-n-butylphthalate
Concen: 16.74 ng/ul
RT: 18.46 min Scan# 2659
Delta R.T. -0.00 min
Lab File: BG019663.D
Acq: 17 Nov 2015 17:11

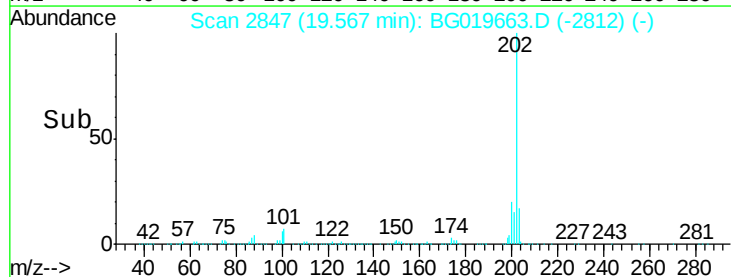
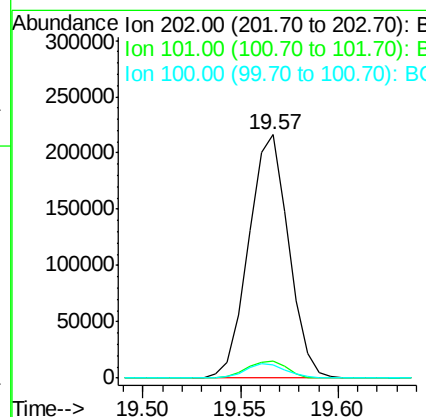
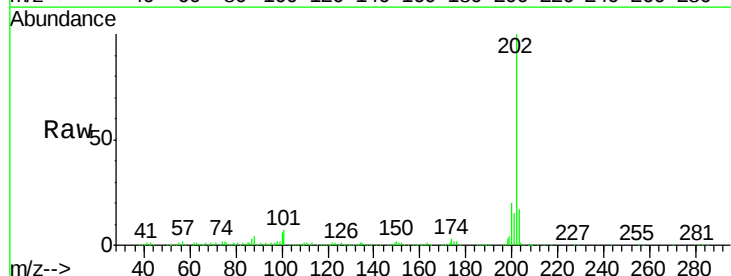
Instrument :
BNA_G
ClientSampleId :

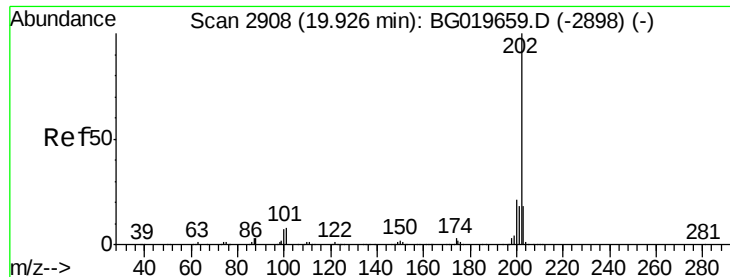
Tot Ion:149 Resp: 192539
Ion Ratio Lower Upper
149 100
150 10.6 7.4 11.2
104 6.3 5.5 8.3



#77
Fluoranthene
Concen: 21.84 ng/ul
RT: 19.57 min Scan# 2847
Delta R.T. 0.01 min
Lab File: BG019663.D
Acq: 17 Nov 2015 17:11

Tgt Ion:202 Resp: 304843
Ion Ratio Lower Upper
202 100
101 7.0 5.2 7.8
100 5.7 5.0 7.4

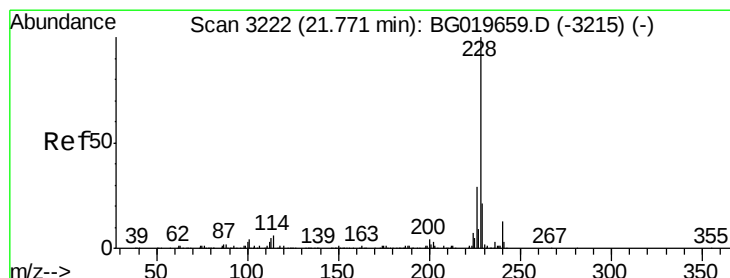
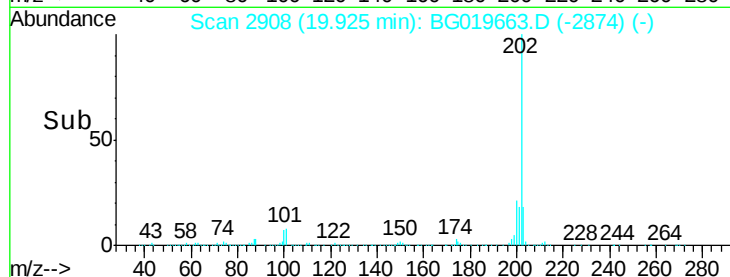
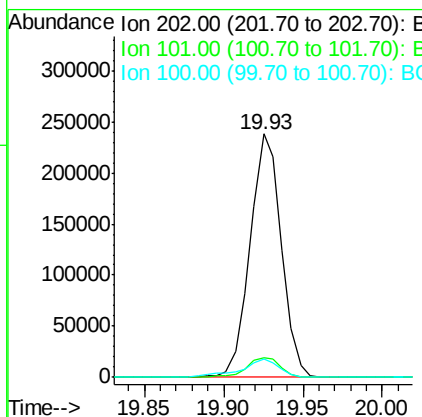
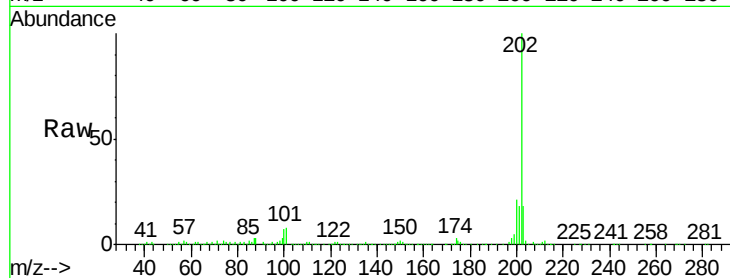




#80
Pvrene
Concen: 21.26 ng/ul
RT: 19.93 min Scan# 2908
Delta R.T. -0.00 min
Lab File: BG019663.D
Acq: 17 Nov 2015 17:11

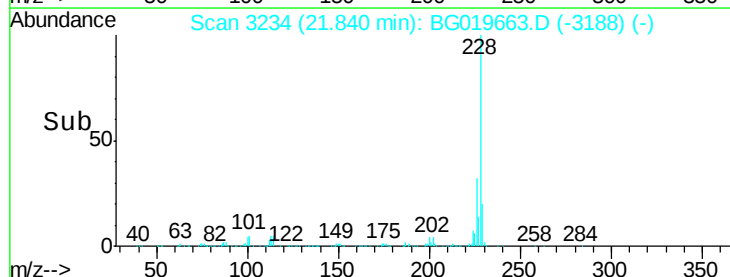
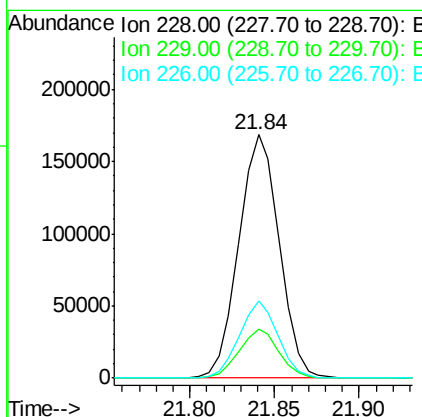
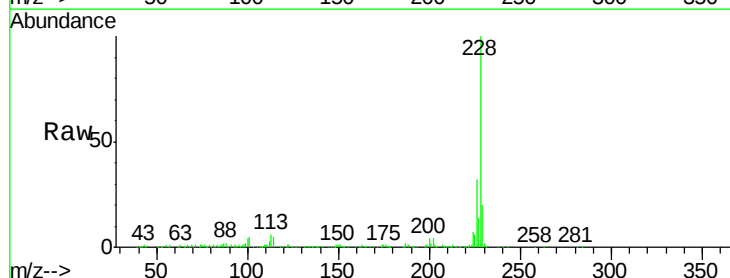
Instrument :
BNA_G
ClientSampleId :

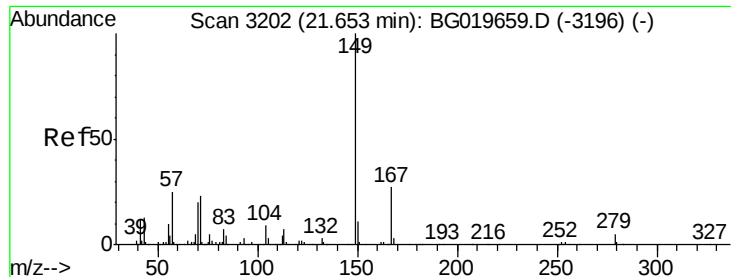
Tot Ion	Ratio	Lower	Upper
202	100		
101	8.2	7.0	10.6
100	7.4	6.6	10.0



#83
Benzo(a)anthracene
Concen: 17.65 ng/ul
RT: 21.84 min Scan# 3234
Delta R.T. 0.07 min
Lab File: BG019663.D
Acq: 17 Nov 2015 17:11

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.3	15.7	23.5
226	31.8	22.6	33.8





#84

Bis(2-ethylhexyl)phthalate

Concen: 23.27 ng/ul

RT: 21.66 min Scan# 3203

Delta R.T. 0.01 min

Lab File: BG019663.D

Acq: 17 Nov 2015 17:11

Instrument :

BNA_G

ClientSampleId :

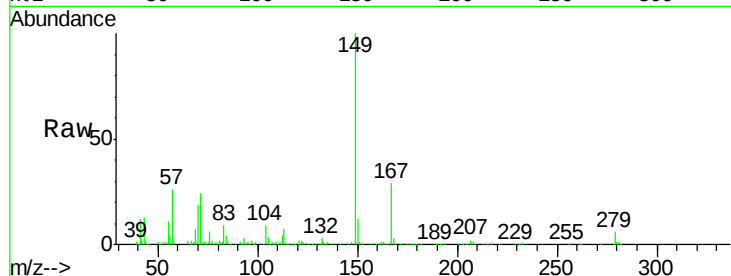
Tot Ion:149 Resp: 171598

Ion Ratio Lower Upper

149 100

167 29.2 22.4 33.6

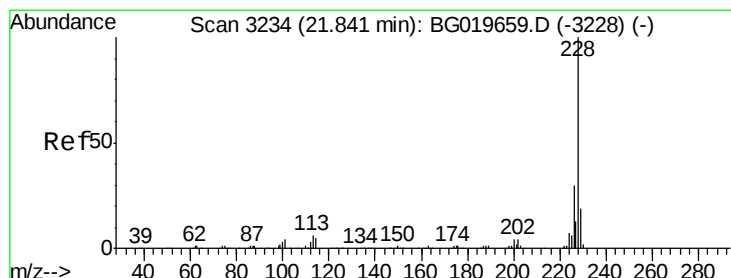
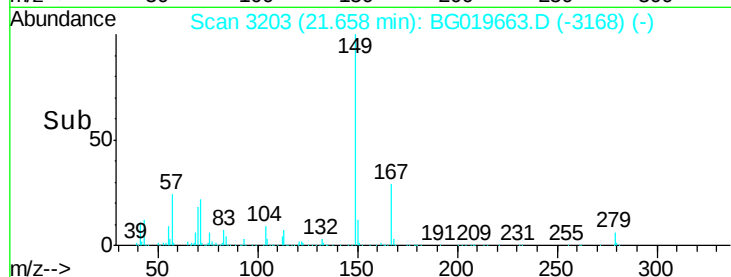
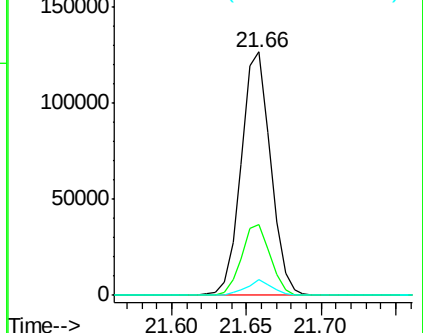
279 6.4 3.6 5.4#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#85

Chrysene

Concen: 18.73 ng/ul

RT: 21.84 min Scan# 3234

Delta R.T. -0.00 min

Lab File: BG019663.D

Acq: 17 Nov 2015 17:11

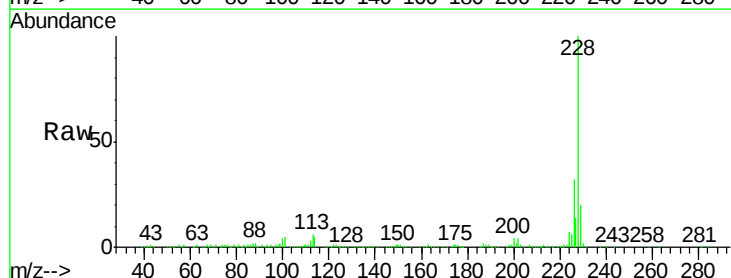
Tgt Ion:228 Resp: 279803

Ion Ratio Lower Upper

228 100

226 31.8 24.9 37.3

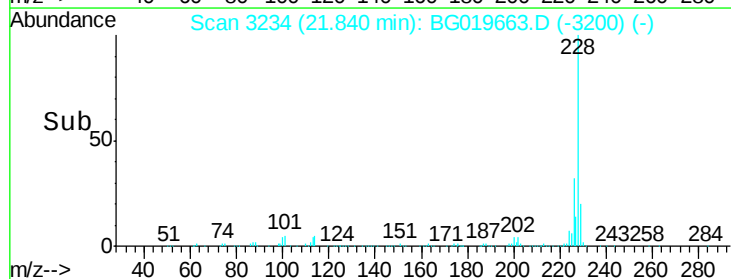
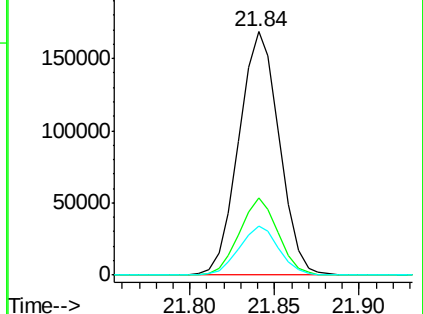
229 20.3 17.0 25.6

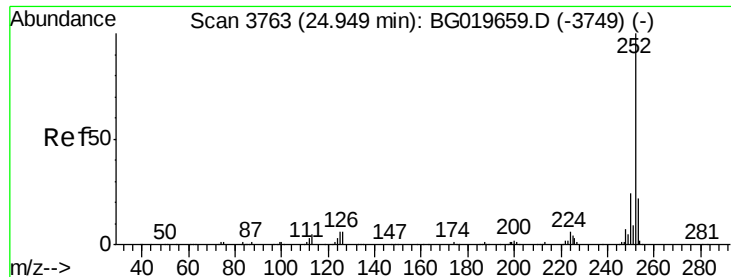


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

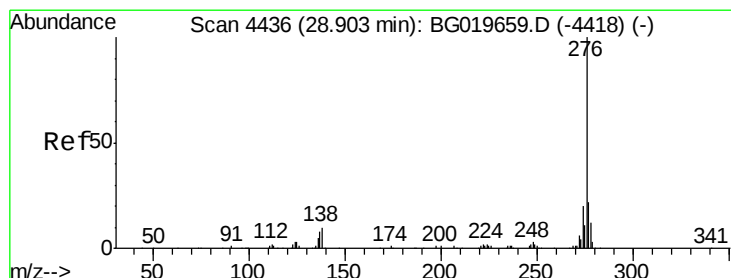
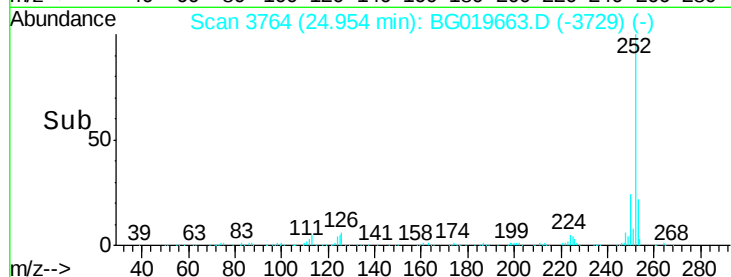
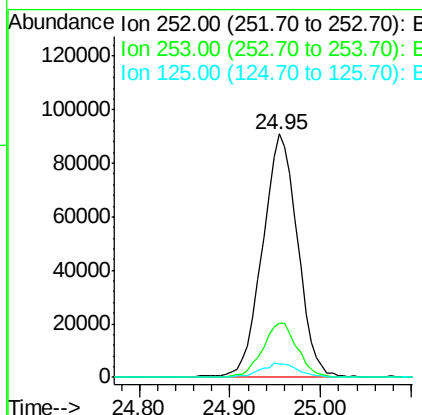
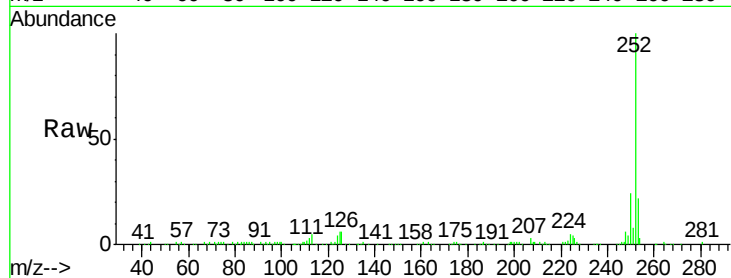




#91
Benzo(a)pyrene
Concen: 16.26 ng/ul
RT: 24.95 min Scan# 3764
Delta R.T. 0.01 min
Lab File: BG019663.D
Acq: 17 Nov 2015 17:11

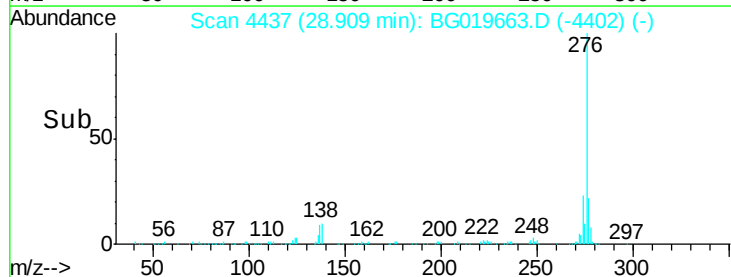
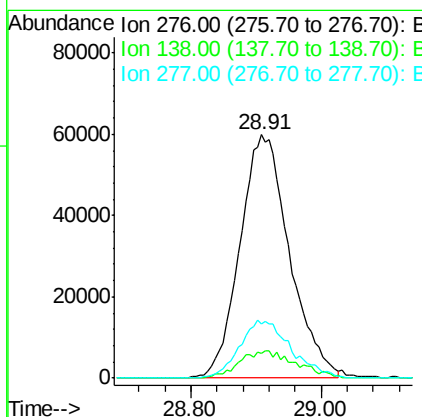
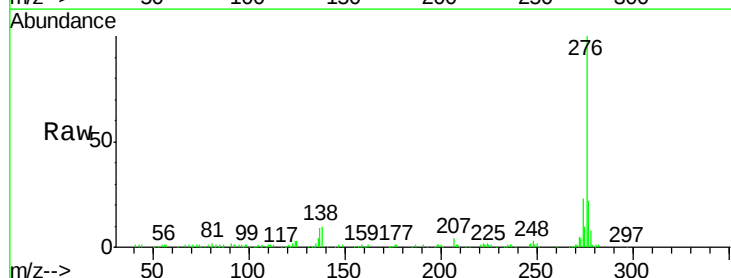
Instrument :
BNA_G
ClientSampleId :

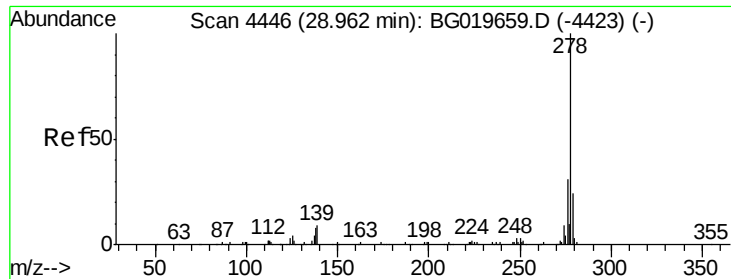
Tot Ion:252 Resp: 245066
Ion Ratio Lower Upper
252 100
253 22.1 16.9 25.3
125 5.6 5.4 8.0



#92
Indeno(1,2,3-cd)pyrene
Concen: 18.63 ng/ul
RT: 28.91 min Scan# 4437
Delta R.T. 0.01 min
Lab File: BG019663.D
Acq: 17 Nov 2015 17:11

Tgt Ion:276 Resp: 314236
Ion Ratio Lower Upper
276 100
138 10.2 9.9 14.9
277 22.0 21.3 31.9





#93

Dibenzo(a,h)anthracene

Concen: 11.57 ng/ul

RT: 28.97 min Scan# 4447

Delta R.T. 0.01 min

Lab File: BG019663.D

Acq: 17 Nov 2015 17:11

Instrument :

BNA_G

ClientSampleId :

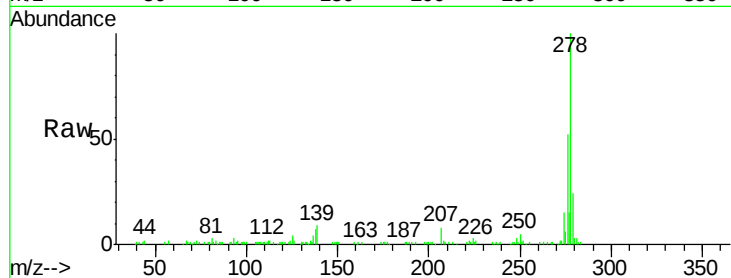
Tot Ion:278 Resp: 160452

Ion Ratio Lower Upper

278 100

139 9.1 5.9 8.9#

279 23.8 18.2 27.2



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

