

Data Path : Z:\HPCHEM1\BNA G\DATA\BG073115\
 Data File : BG018211.D
 Acq On : 1 Aug 2015 9:18
 Operator : TP/UM
 Sample : G3065-09
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 03 01:59:40 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG073115.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Aug 01 07:09:30 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.49	152	53135	20.00	ng/ul	0.01
18) Naphthalene-d8	10.27	136	203759	20.00	ng/ul	0.01
36) Acenaphthene-d10	14.16	164	102003	20.00	ng/ul	0.01
62) Phenanthrene-d10	16.92	188	210310	20.00	ng/ul	0.02
78) Chrysene-d12	21.14	240	310376	20.00	ng/ul	0.03
86) Perylene-d12	23.36	264	314503	20.00	ng/ul	0.07

System Monitoring Compounds

3) 1,4-Dioxane-d8	2.98	96	767	1.09	ng/uL	0.00
5) Phenol-d5	6.68	99	42072	8.81	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	6.83	67	23433	9.60	ng/ul	0.00
9) 2-Chlorophenol-d4	7.02	132	34790	9.64	ng/ul	0.01
13) 4-Methylphenol-d8	8.22	113	33157	8.52	ng/ul	0.01
19) Nitrobenzene-d5	8.64	128	19376	12.07	ng/ul	0.00
22) 2-Nitrophenol-d4	9.36	143	16094	8.74	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	9.91	165	36412	11.18	ng/ul	0.02
29) 4-Chloroaniline-d4	10.39	131	36284	8.94	ng/ul	-0.02
44) Dimethylphthalate-d6	13.58	166	90133	11.44	ng/ul	0.01
47) Acenaphthylene-d8	13.85	160	102027	11.16	ng/ul	0.01
52) 4-Nitrophenol-d4	14.40	143	8671	5.94	ng/ul	0.02
58) Fluorene-d10	15.16	176	76662	10.75	ng/ul	0.01
63) 4,6-Dinitro-2-methylphenol	15.33	200	2104	1.43	ng/ul	0.04
71) Anthracene-d10	17.02	188	106444	11.64	ng/ul	0.02
79) Pyrene-d10	19.34	212	128878	8.58	ng/ul	0.02
90) Benzo(a)pyrene-d12	23.22	264	189460	11.91	ng/ul	0.07

Target Compounds

					Ovalue
4) Benzaldehyde	6.64	77	7851	3.04	ng/ul# 1
8) Bis(2-Chloroethyl)ether	6.92	93	8142	2.32	ng/ul# 37
11) 2-Methylphenol	7.95	108	10769	2.81	ng/ul 100
14) Acetophenone	8.29	105	53839	8.89	ng/ul 95
16) 4-Methylphenol	8.28	108	70172	16.56	ng/ul 86
17) Hexachloroethane	8.59	117	21359	13.17	ng/ul# 5
24) 2,4-Dimethylphenol	9.47	107	145750	36.01	ng/ul# 80
28) Naphthalene	10.32	128	183547	18.71	ng/ul 98
32) Caprolactam	11.20	113	2840	1.84	ng/ul# 1
34) 2-Methylnaphthalene	11.95	142	125907	16.21	ng/ul 99
35) 1-Methylnaphthalene	12.17	142	79993	10.74	ng/ul# 95
41) 1,1'-Biphenyl	12.98	154	25057	3.44	ng/ul# 95
45) Dimethylphthalate	13.63	163	172275	21.97	ng/ul 99
48) Acenaphthylene	13.89	152	9732	1.07	ng/ul# 15
50) Acenaphthene	14.23	153	83106	14.06	ng/ul 97
54) Dibenzofuran	14.57	168	73635	8.27	ng/ul# 70
57) Diethylphthalate	15.00	149	19083	2.35	ng/ul# 84
59) Fluorene	15.22	166	108763	14.15	ng/ul# 95
65) N-Nitrosodiphenylamine	15.44	169	39609	7.27	ng/ul# 53
70) Phenanthrene	16.97	178	800903	74.96	ng/ul 98
72) Anthracene	16.97	178	800903	75.35	ng/ul 96
75) Carbazole	17.34	167	76906	8.71	ng/ul# 88
76) Di-n-butylphthalate	17.91	149	56025	4.77	ng/ul# 84

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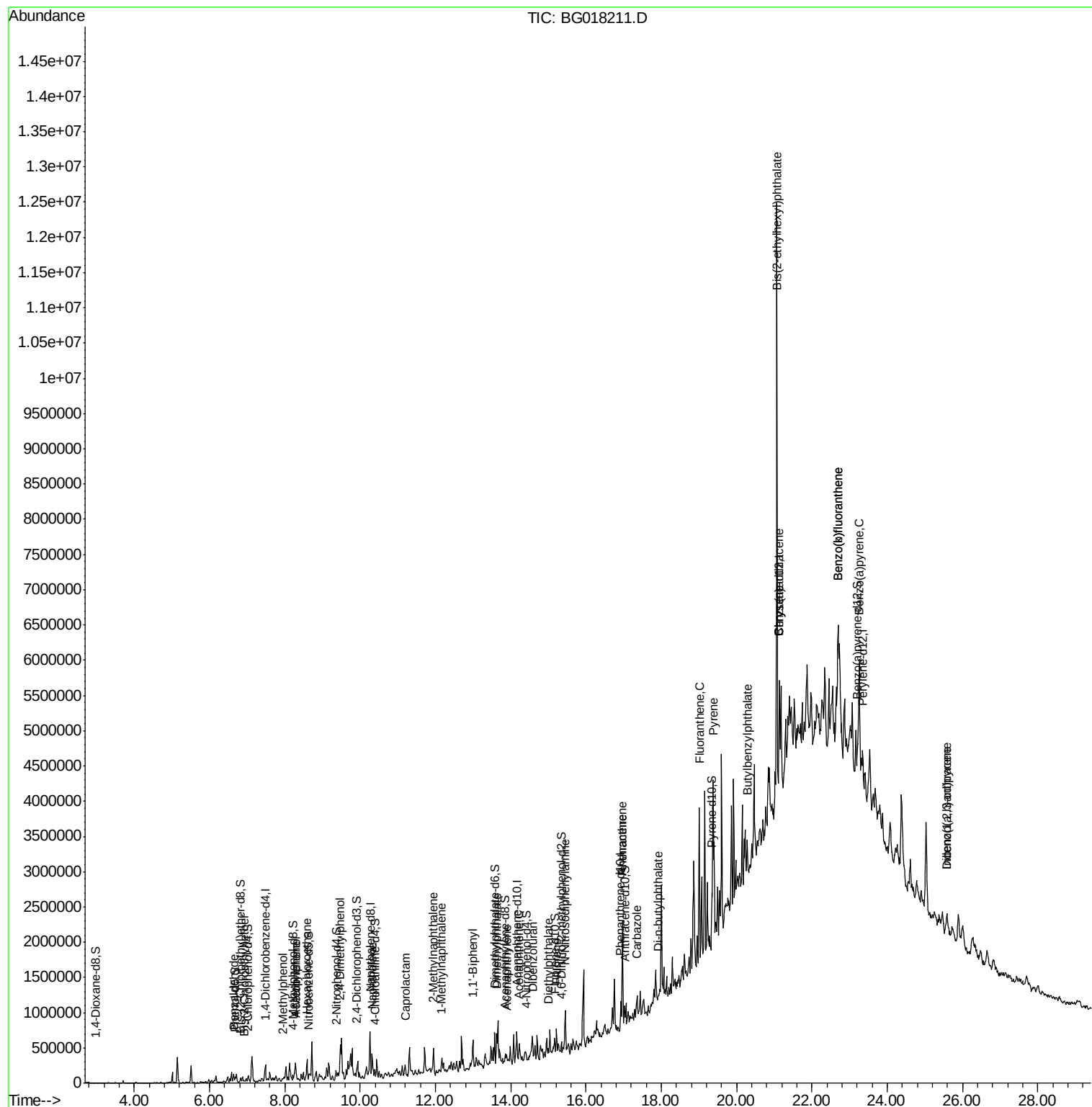
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
77) Fluoranthene	19.01	202	1110719	94.66	ng/ul#	95
80) Pyrene	19.37	202	1112400	59.09	ng/ul	95
81) Butylbenzylphthalate	20.29	149	109773	14.36	ng/ul#	73
83) Benzo(a)anthracene	21.13	228	594472	35.57	ng/ul	95
84) Bis(2-ethylhexyl)phthalate	21.07	149	2222854	215.45	ng/ul#	68
85) Chrysene	21.13	228	595691	38.91	ng/ul	96
88) Benzo(b)fluoranthene	22.69	252	958924	50.75	ng/ul#	88
89) Benzo(k)fluoranthene	22.69	252	958924	55.22	ng/ul#	87
91) Benzo(a)pyrene	23.26	252	596885	35.31	ng/ul#	84
92) Indeno(1,2,3-cd)pyrene	25.58	276	286920	14.67	ng/ul#	90
93) Dibenzo(a,h)anthracene	25.58	278	72478	4.33	ng/ul#	70

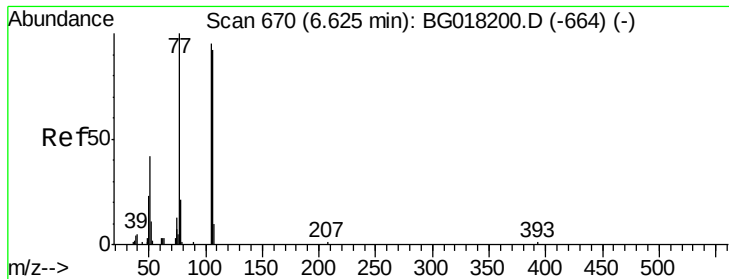
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

Benzaldehyde

Concen: 3.04 ng/ul

RT: 6.64 min Scan# 672

Delta R.T. 0.01 min

Lab File: BG018211.D

Acq: 1 Aug 2015 9:18

Instrument :

BNA_G

ClientSampleId :

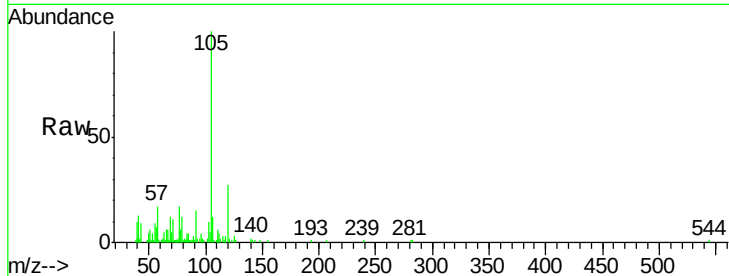
Tot Ion: 77 Resp: 7851

Ion Ratio Lower Upper

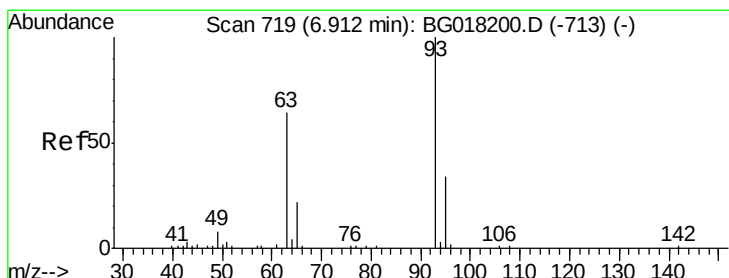
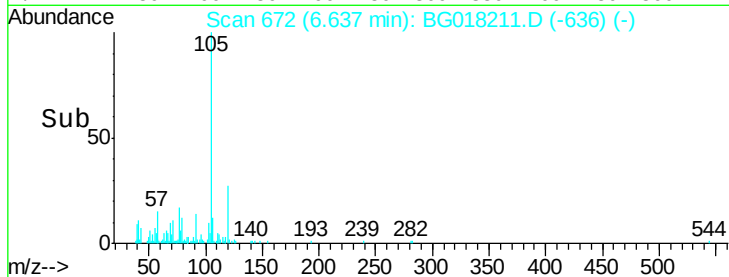
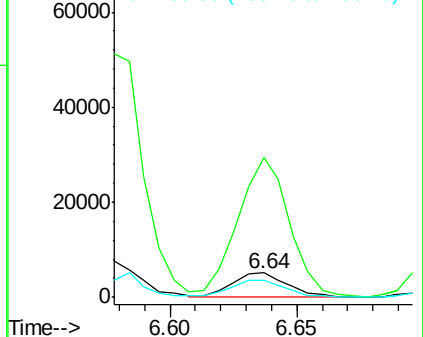
77 100

105 573.6 89.8 134.6#

106 69.2 94.2 141.4#



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



#8

Bis(2-Chloroethyl)ether

Concen: 2.32 ng/ul

RT: 6.92 min Scan# 720

Delta R.T. 0.01 min

Lab File: BG018211.D

Acq: 1 Aug 2015 9:18

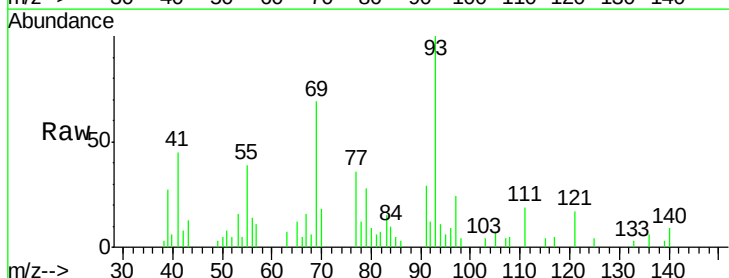
Tgt Ion: 93 Resp: 8142

Ion Ratio Lower Upper

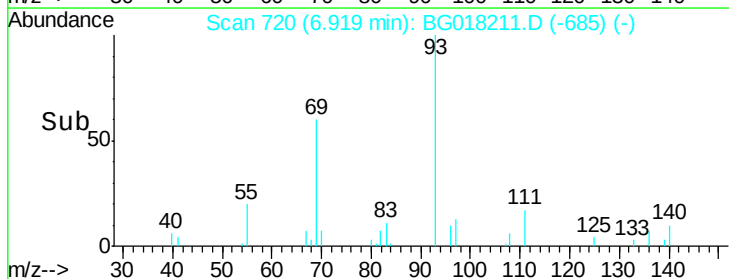
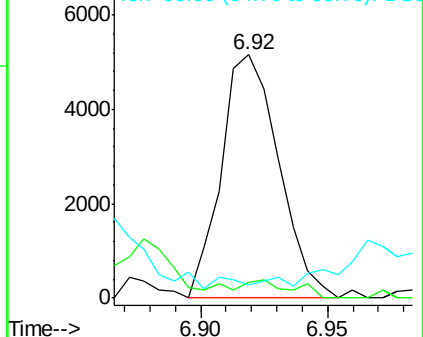
93 100

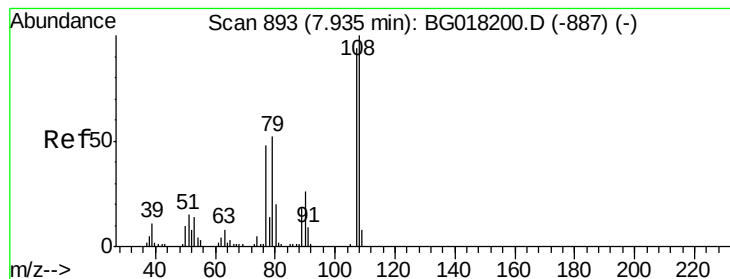
63 6.7 47.9 71.9#

95 5.6 27.4 41.2#



Abundance Ion 93.00 (92.70 to 93.70): BGC
Ion 63.00 (62.70 to 63.70): BGC
Ion 95.00 (94.70 to 95.70): BGC





#11

2-Methylphenol

Concen: 2.81 ng/ul

RT: 7.95 min Scan# 896

Delta R.T. 0.02 min

Lab File: BG018211.D

Acq: 1 Aug 2015 9:18

Instrument :

BNA_G

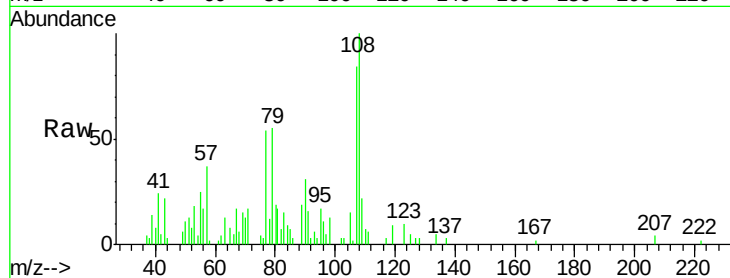
ClientSampled :

Tot Ion:108 Resp: 10769

Ion Ratio Lower Upper

108 100

107 84.5 67.8 101.6



Abundance Ion 108.00 (107.70 to 108.70): E

Ion 107.00 (106.70 to 107.70): E

8000

6000

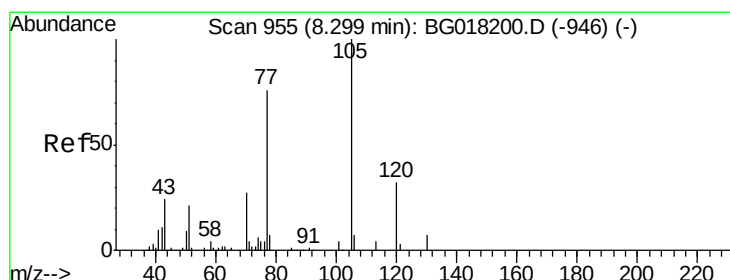
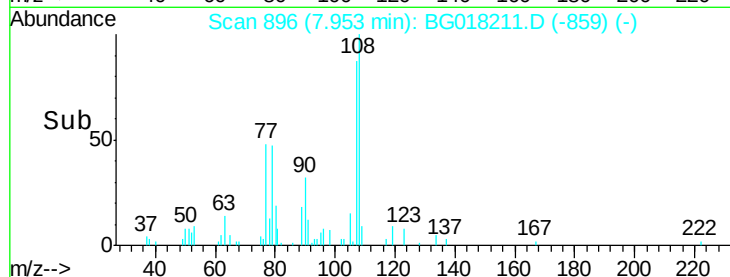
4000

2000

0

7.90 7.95 8.00

Time-->



#14

Acetophenone

Concen: 8.89 ng/ul

RT: 8.29 min Scan# 953

Delta R.T. -0.01 min

Lab File: BG018211.D

Acq: 1 Aug 2015 9:18

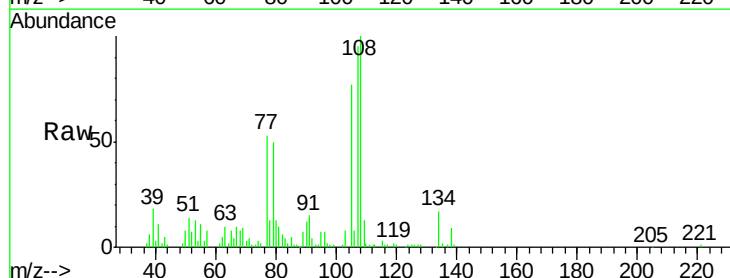
Tgt Ion:105 Resp: 53839

Ion Ratio Lower Upper

105 100

77 69.3 58.4 87.6

51 17.7 16.5 24.7



Abundance Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BG0

Ion 51.00 (50.70 to 51.70): BG0

30000

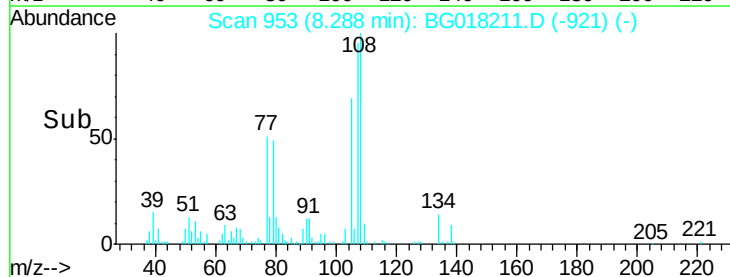
20000

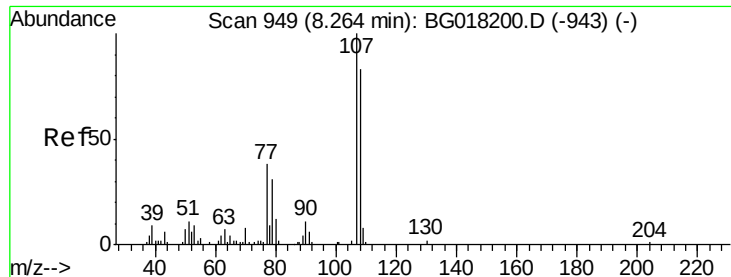
10000

0

8.20 8.25 8.30 8.35

Time-->





#16

4-Methylphenol

Concen: 16.56 ng/ul

RT: 8.28 min Scan# 952

Delta R.T. 0.02 min

Lab File: BG018211.D

Acq: 1 Aug 2015 9:18

Instrument :

BNA_G

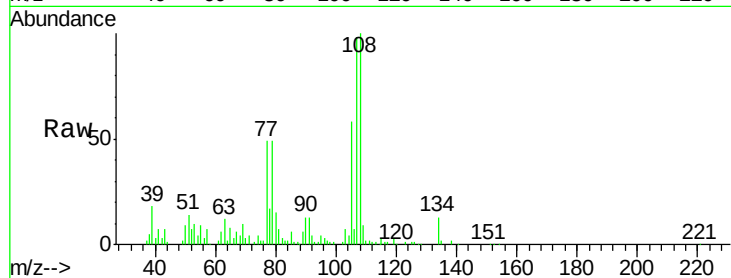
ClientSampled :

Tot Ion:108 Resp: 70172

Ion Ratio Lower Upper

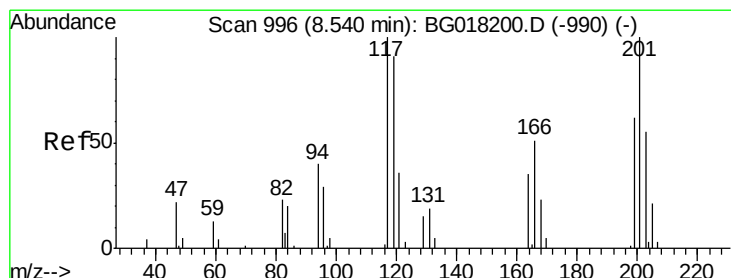
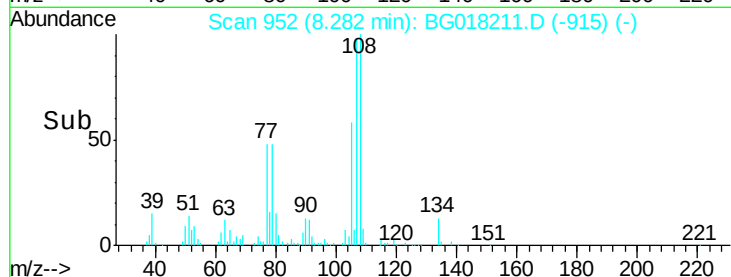
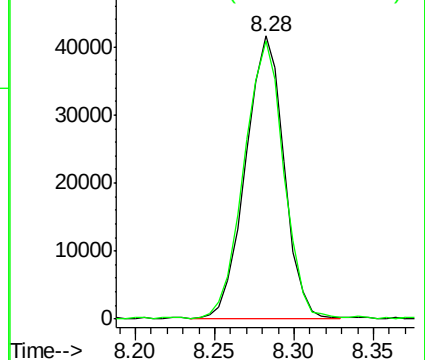
108 100

107 98.4 90.4 135.6



Abundance Ion 108.00 (107.70 to 108.70): E

Ion 107.00 (106.70 to 107.70): E



#17

Hexachloroethane

Concen: 13.17 ng/ul

RT: 8.59 min Scan# 1004

Delta R.T. 0.05 min

Lab File: BG018211.D

Acq: 1 Aug 2015 9:18

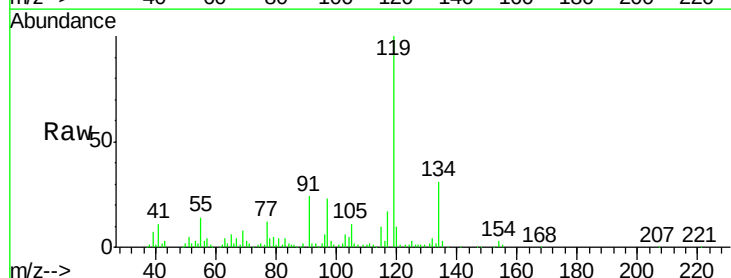
Tgt Ion:117 Resp: 21359

Ion Ratio Lower Upper

117 100

201 0.0 85.0 127.4#

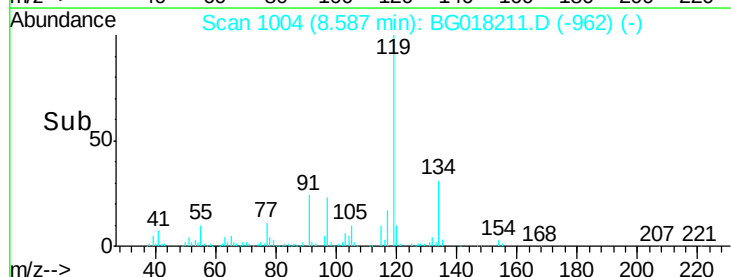
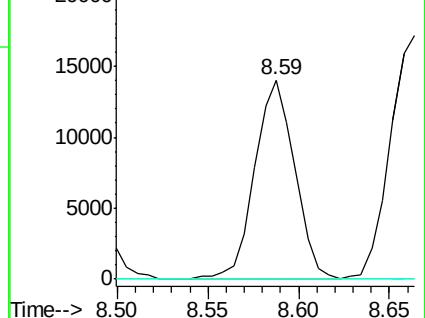
199 0.0 52.2 78.4#

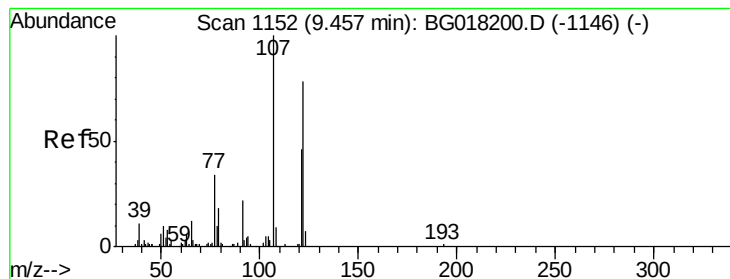


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 201.00 (200.70 to 201.70): E

Ion 199.00 (198.70 to 199.70): E





#24

2,4-Dimethylphenol

Concen: 36.01 ng/ul

RT: 9.47 min Scan# 1155

Delta R.T. 0.02 min

Lab File: BG018211.D

Acq: 1 Aug 2015 9:18

Instrument :

BNA_G

ClientSampleId :

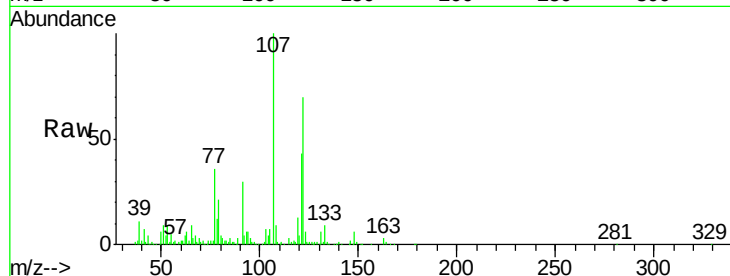
Tot Ion:107 Resp: 145750

Ion Ratio Lower Upper

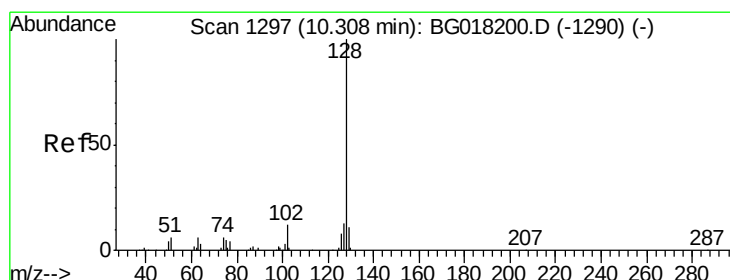
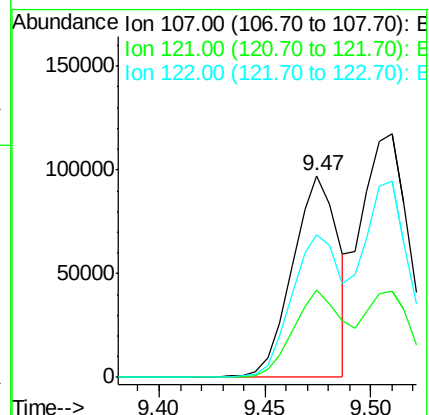
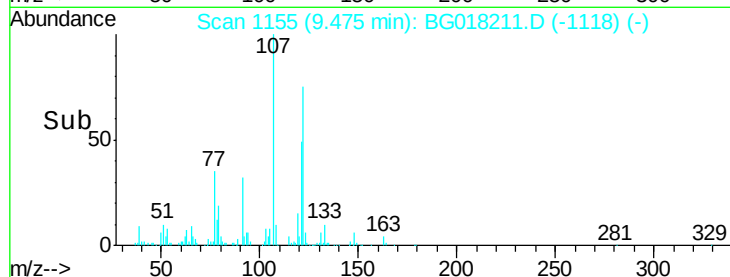
107 100

121 43.5 41.4 62.2

122 70.4 75.3 112.9#



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



#28

Naphthalene

Concen: 18.71 ng/ul

RT: 10.32 min Scan# 1299

Delta R.T. 0.01 min

Lab File: BG018211.D

Acq: 1 Aug 2015 9:18

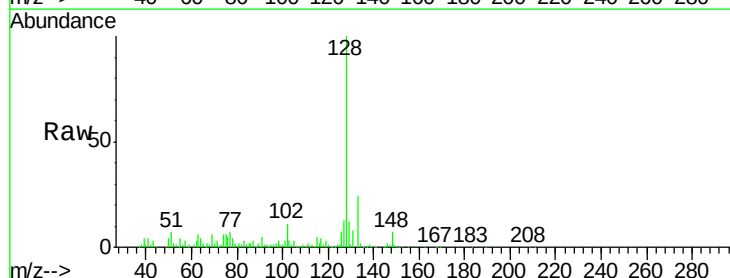
Tgt Ion:128 Resp: 183547

Ion Ratio Lower Upper

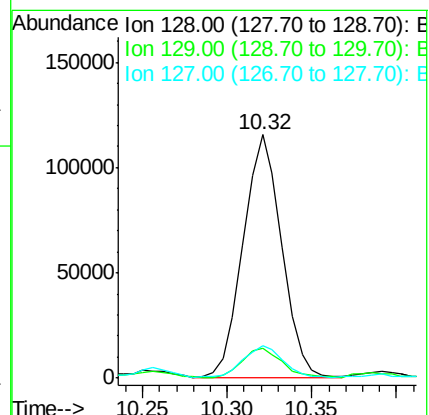
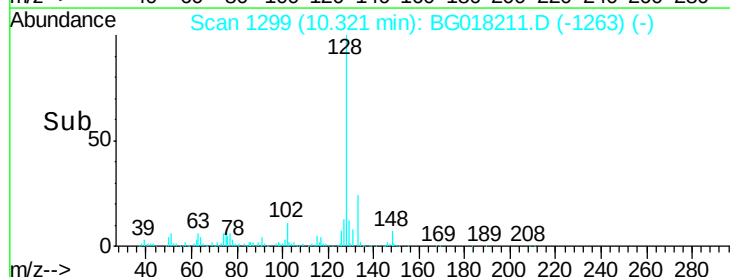
128 100

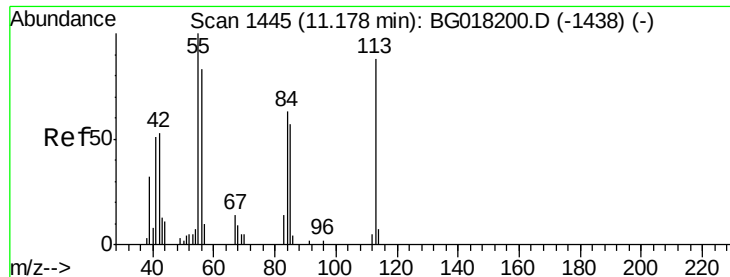
129 12.3 9.1 13.7

127 13.4 11.2 16.8



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





#32

Caprolactam

Concen: 1.84 ng/ul

RT: 11.20 min Scan# 1448

Delta R.T. 0.02 min

Lab File: BG018211.D

Acq: 1 Aug 2015 9:18

Instrument :

BNA_G

ClientSampleId :

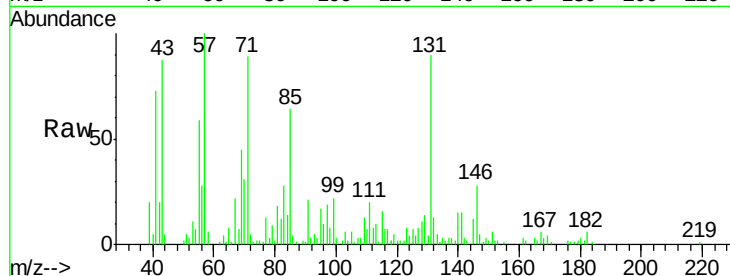
Tot Ion:113 Resp: 2840

Ion Ratio Lower Upper

113 100

55 599.1 64.6 96.8#

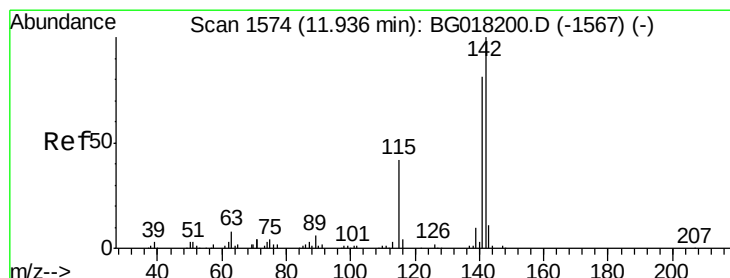
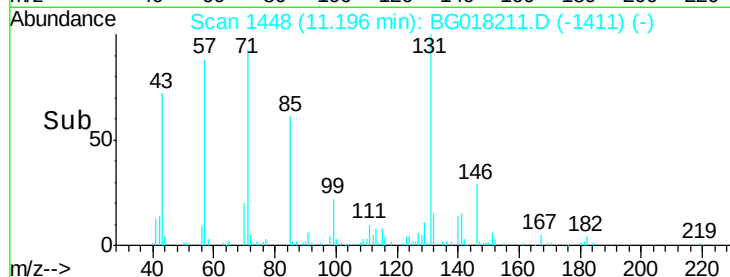
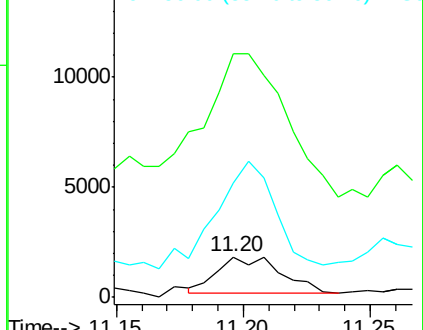
56 282.5 53.2 79.8#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BG018200.D (-1438) (-)

Ion 56.00 (55.70 to 56.70): BG018200.D (-1438) (-)



#34

2-Methylnaphthalene

Concen: 16.21 ng/ul

RT: 11.95 min Scan# 1576

Delta R.T. 0.01 min

Lab File: BG018211.D

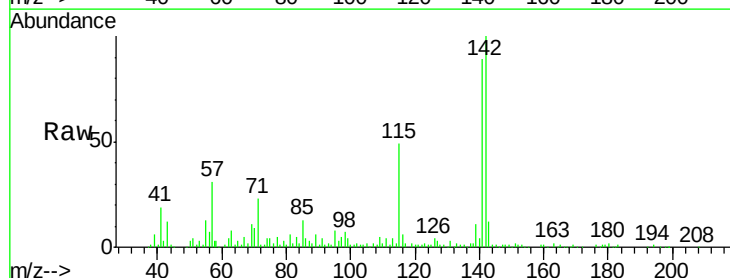
Acq: 1 Aug 2015 9:18

Tgt Ion:142 Resp: 125907

Ion Ratio Lower Upper

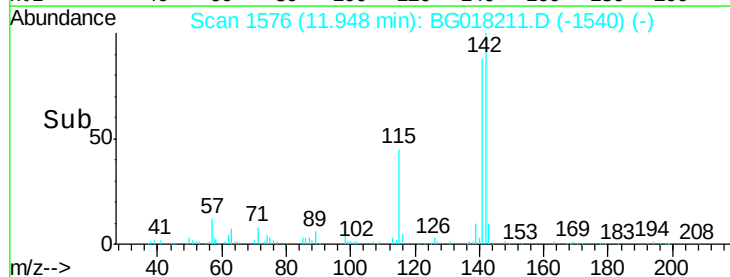
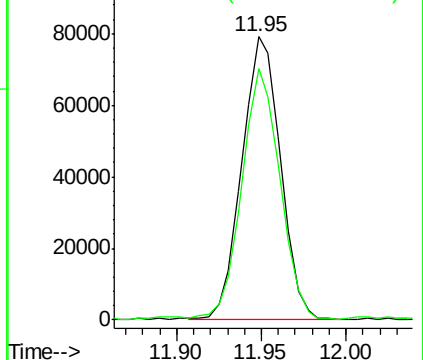
142 100

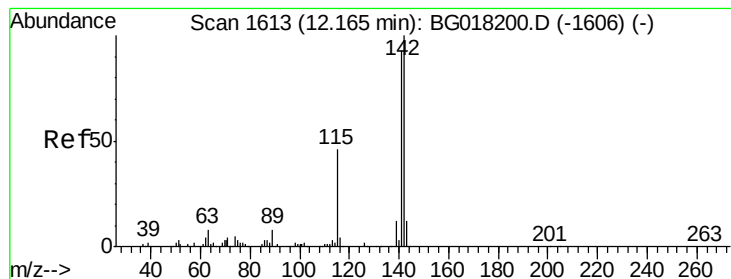
141 88.6 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): BG018200.D (-1567) (-)





#35

1-Methylnaphthalene

Concen: 10.74 ng/ul

RT: 12.17 min Scan# 1614

Delta R.T. 0.01 min

Lab File: BG018211.D

Acq: 1 Aug 2015 9:18

Instrument :

BNA_G

ClientSampleId :

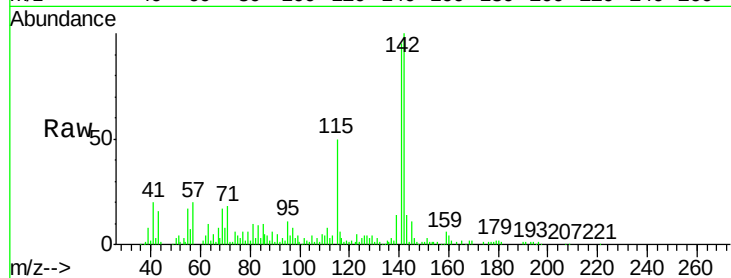
Tot Ion:142 Resp: 79993

Ion Ratio Lower Upper

142 100

141 95.2 72.5 108.7

116 6.3 2.6 4.0#

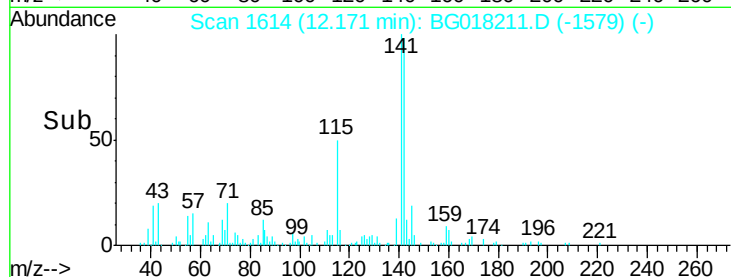


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E

Time-->



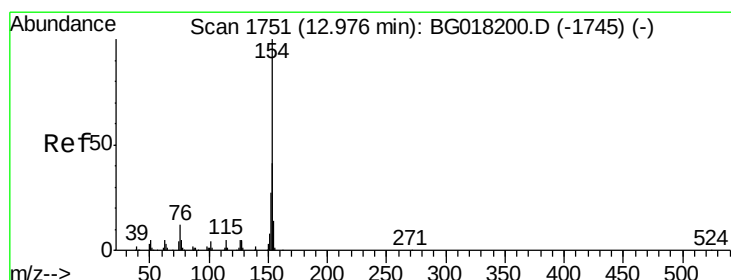
Abundance

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

Time-->



#41

1,1'-Biphenyl

Concen: 3.44 ng/ul

RT: 12.98 min Scan# 1752

Delta R.T. 0.01 min

Lab File: BG018211.D

Acq: 1 Aug 2015 9:18

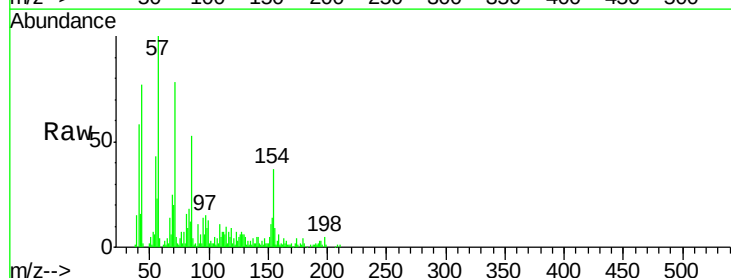
Tgt Ion:154 Resp: 25057

Ion Ratio Lower Upper

154 100

153 37.7 32.3 48.5

76 11.4 7.4 11.0#

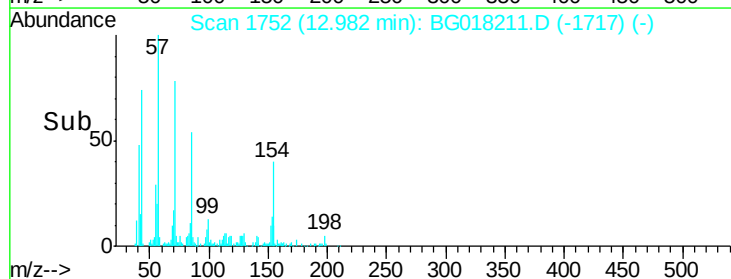


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BG

Time-->



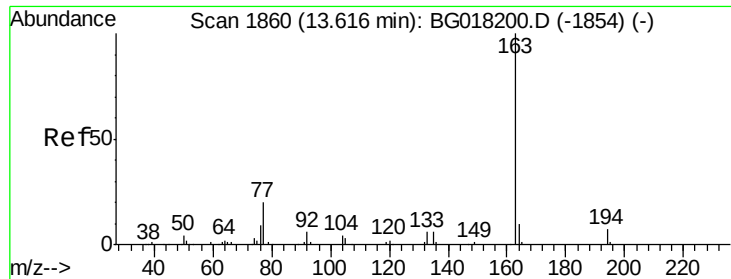
Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BG

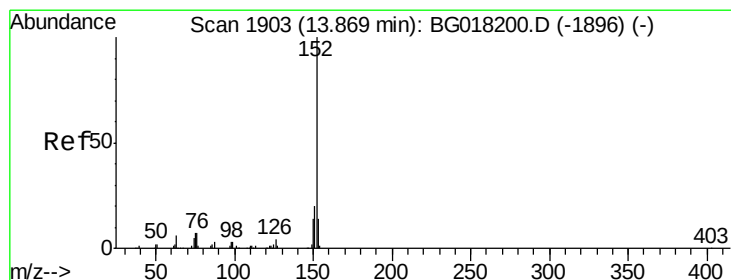
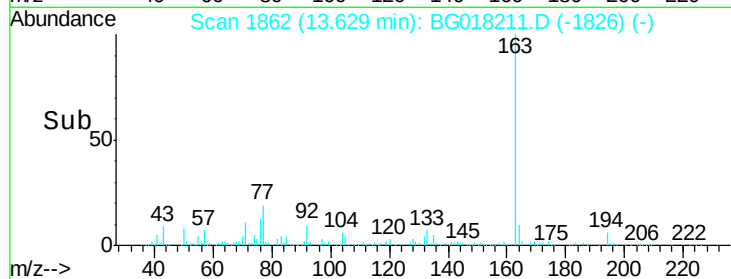
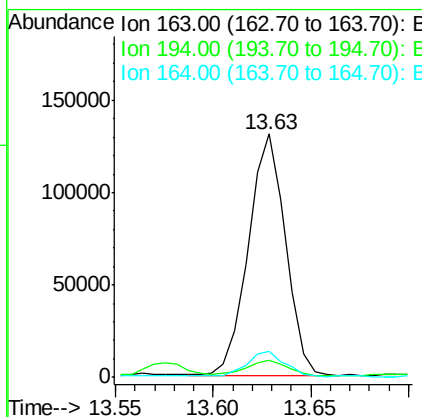
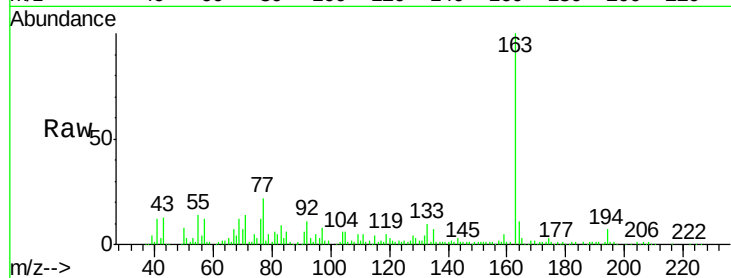
Time-->



#45
Dimethylphthalate
Concen: 21.97 ng/ul
RT: 13.63 min Scan# 1862
Delta R.T. 0.01 min
Lab File: BG018211.D
Acq: 1 Aug 2015 9:18

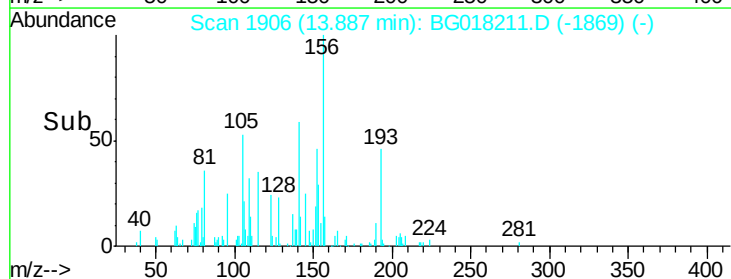
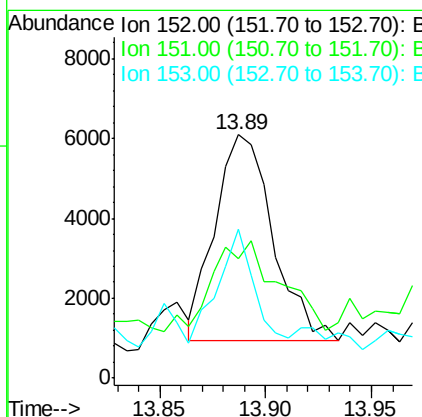
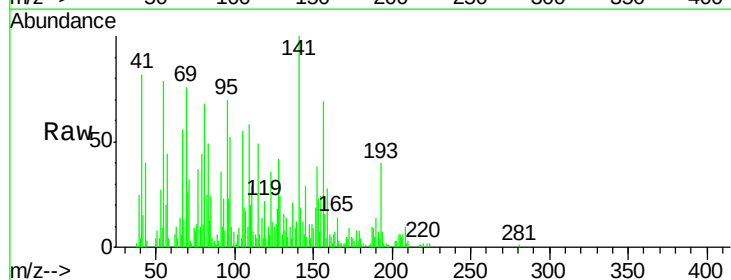
Instrument :
BNA_G
ClientSampleId :

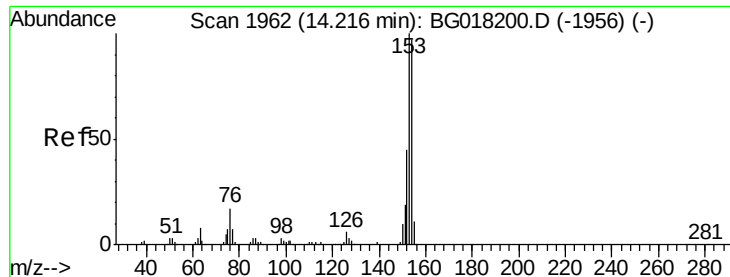
Tot Ion:163 Resp: 172275
Ion Ratio Lower Upper
163 100
194 7.2 5.2 7.8
164 10.5 8.4 12.6



#48
Acenaphthylene
Concen: 1.07 ng/ul
RT: 13.89 min Scan# 1906
Delta R.T. 0.02 min
Lab File: BG018211.D
Acq: 1 Aug 2015 9:18

Tgt Ion:152 Resp: 9732
Ion Ratio Lower Upper
152 100
151 49.3 16.0 24.0#
153 61.0 11.0 16.4#





#50

Acenaphthene

Concen: 14.06 ng/ul

RT: 14.23 min Scan# 1964

Delta R.T. 0.01 min

Lab File: BG018211.D

Acq: 1 Aug 2015 9:18

Instrument :

BNA_G

ClientSampleId :

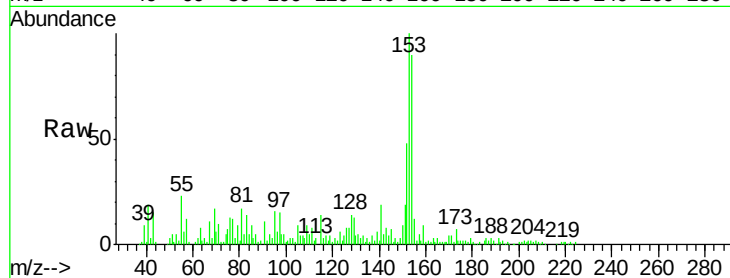
Tot Ion:153 Resp: 83106

Ion Ratio Lower Upper

153 100

152 47.9 38.7 58.1

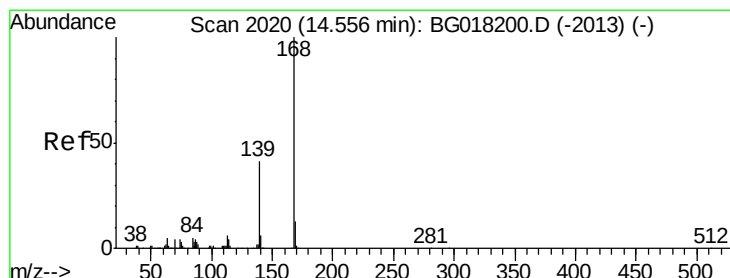
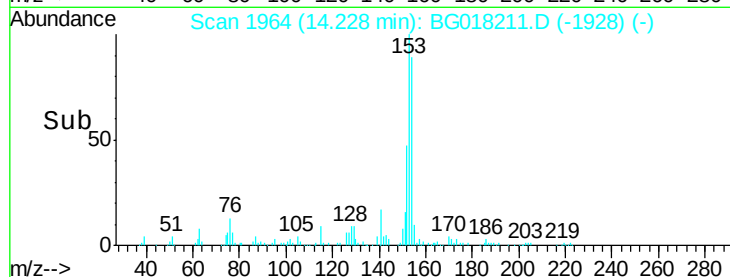
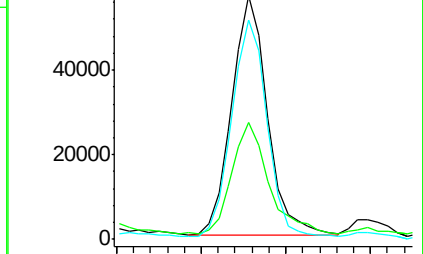
154 90.1 74.8 112.2



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: 8.27 ng/ul

RT: 14.57 min Scan# 2022

Delta R.T. 0.01 min

Lab File: BG018211.D

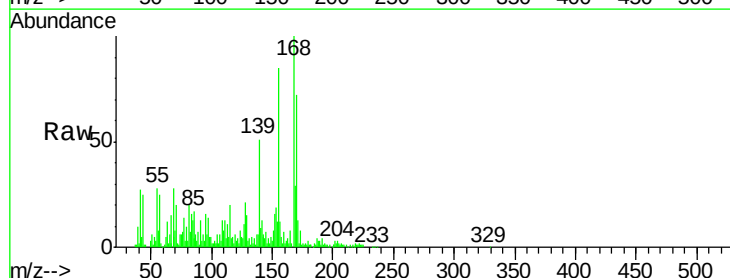
Acq: 1 Aug 2015 9:18

Tgt Ion:168 Resp: 73635

Ion Ratio Lower Upper

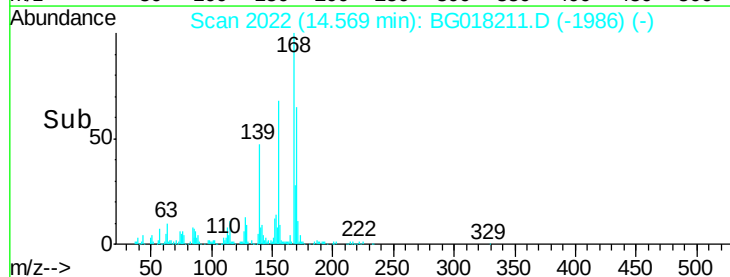
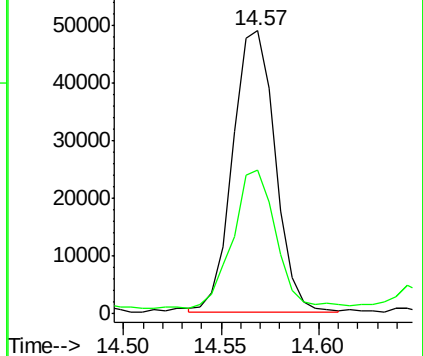
168 100

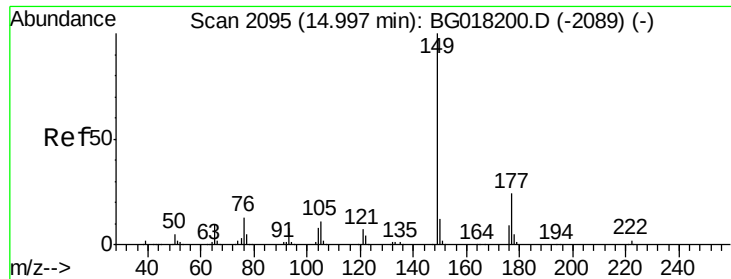
139 50.6 26.8 40.2#



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

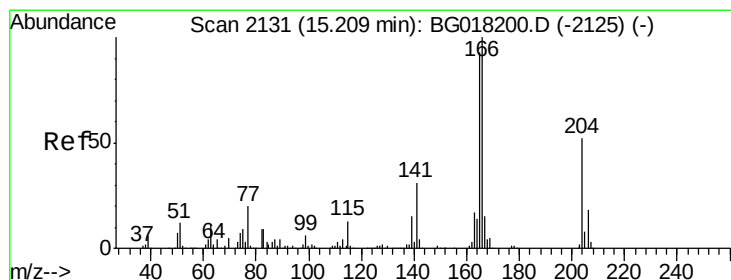
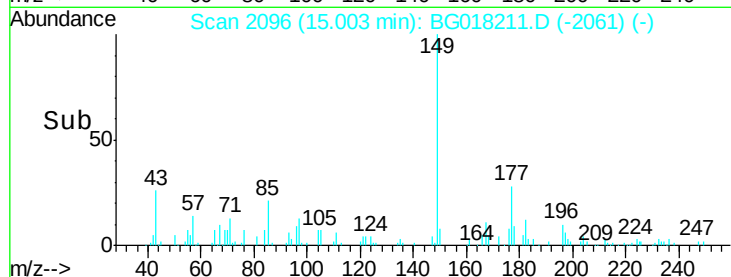
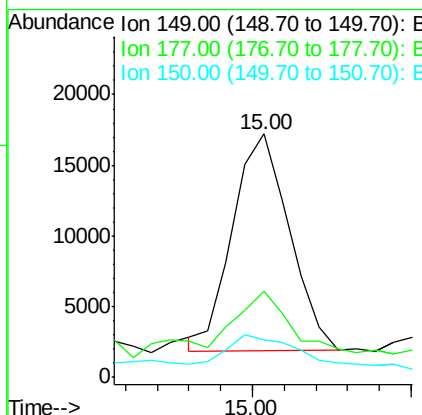
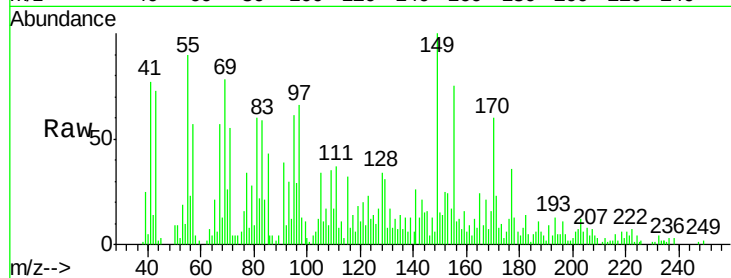




#57
Diethylphthalate
Concen: 2.35 ng/ul
RT: 15.00 min Scan# 2096
Delta R.T. 0.01 min
Lab File: BG018211.D
Acq: 1 Aug 2015 9:18

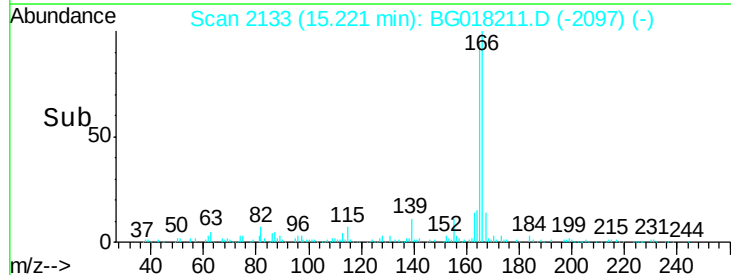
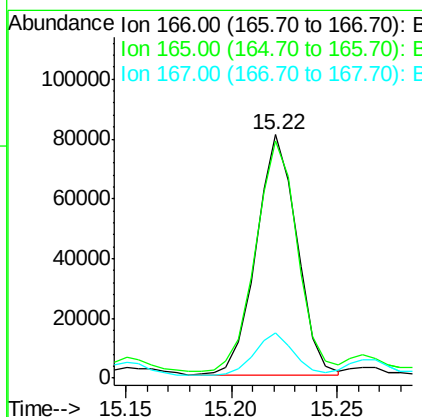
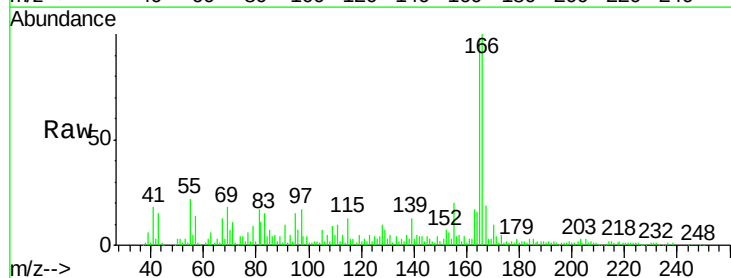
Instrument :
BNA_G
ClientSampleId :

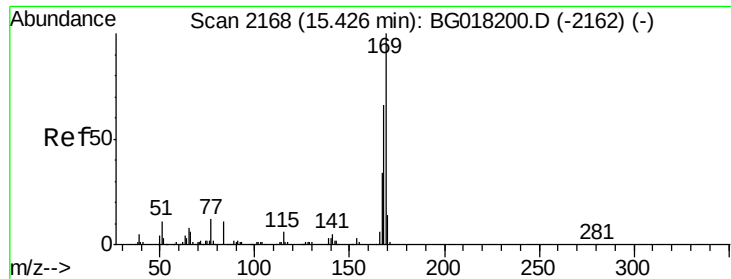
Tot Ion:149 Resp: 19083
Ion Ratio Lower Upper
149 100
177 35.5 20.1 30.1#
150 15.4 10.0 15.0#



#59
Fluorene
Concen: 14.15 ng/ul
RT: 15.22 min Scan# 2133
Delta R.T. 0.01 min
Lab File: BG018211.D
Acq: 1 Aug 2015 9:18

Tgt Ion:166 Resp: 108763
Ion Ratio Lower Upper
166 100
165 97.5 75.1 112.7
167 18.7 11.8 17.6#





#65

N-Nitrosodiphenylamine

Concen: 7.27 ng/ul

RT: 15.44 min Scan# 2171

Delta R.T. 0.02 min

Lab File: BG018211.D

Acq: 1 Aug 2015 9:18

Instrument :

BNA_G

ClientSampleId :

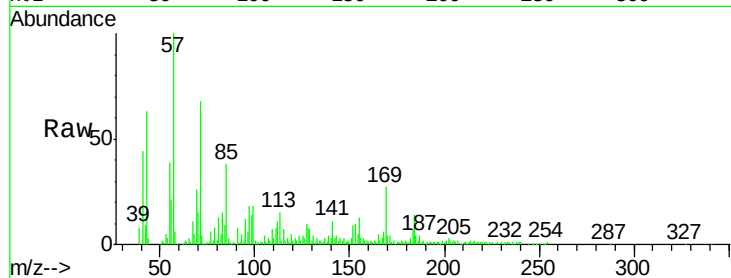
Tot Ion:169 Resp: 39609

Ion Ratio Lower Upper

169 100

168 24.1 51.8 77.6#

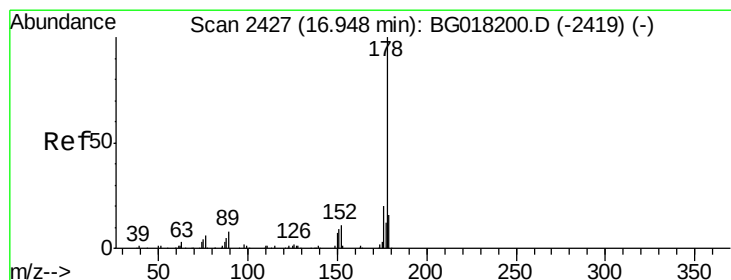
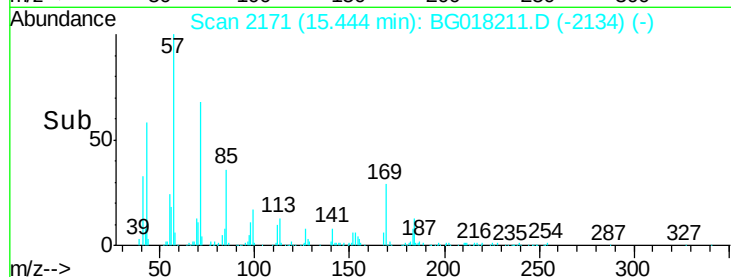
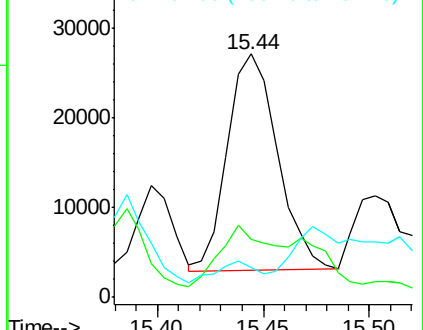
167 12.5 27.7 41.5#



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#70

Phenanthrene

Concen: 74.96 ng/ul

RT: 16.97 min Scan# 2431

Delta R.T. 0.02 min

Lab File: BG018211.D

Acq: 1 Aug 2015 9:18

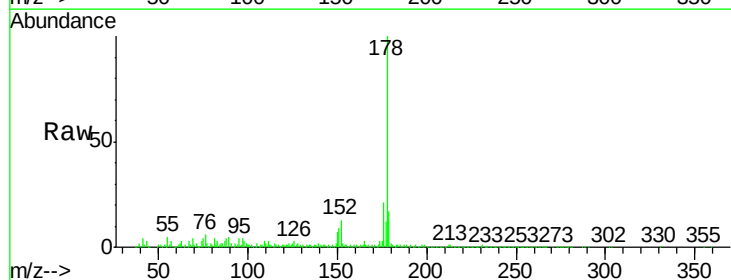
Tgt Ion:178 Resp: 800903

Ion Ratio Lower Upper

178 100

179 16.9 12.8 19.2

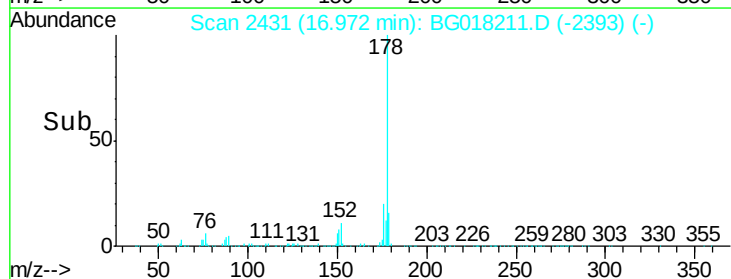
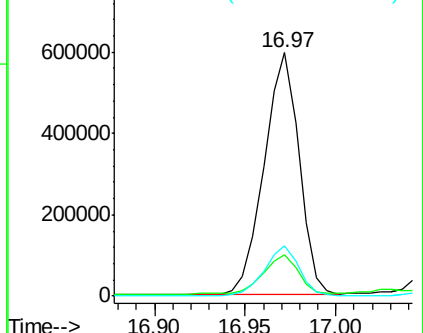
176 20.5 16.0 24.0

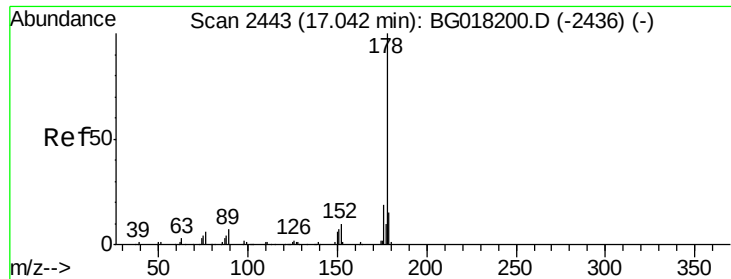


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Anthracene

Concen: 75.35 ng/ul

RT: 16.97 min Scan# 2431

Delta R.T. -0.07 min

Lab File: BG018211.D

Acq: 1 Aug 2015 9:18

Instrument :

BNA_G

ClientSampleId :

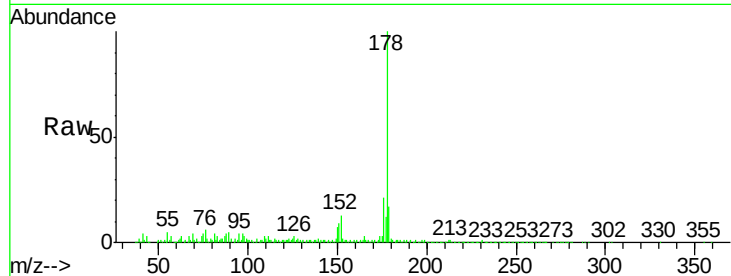
Tot Ion:178 Resp: 800903

Ion Ratio Lower Upper

178 100

179 16.9 12.2 18.2

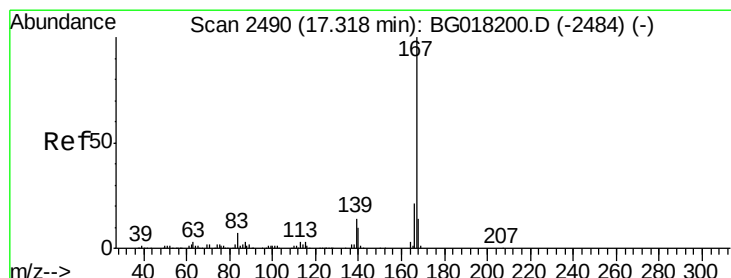
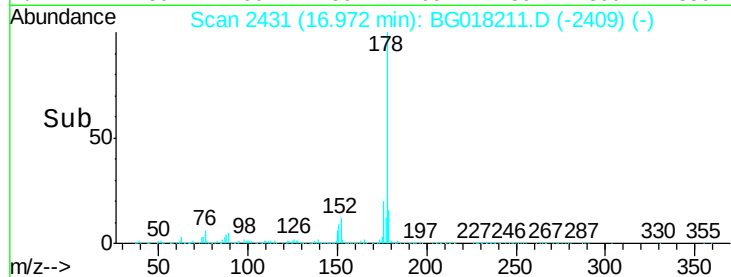
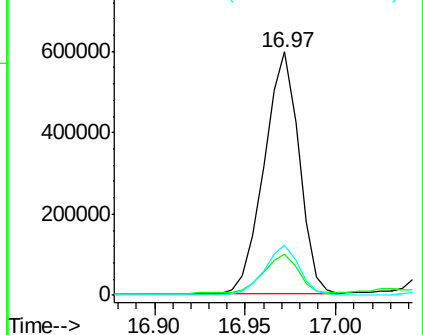
176 20.5 14.8 22.2



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: 8.71 ng/ul

RT: 17.34 min Scan# 2493

Delta R.T. 0.02 min

Lab File: BG018211.D

Acq: 1 Aug 2015 9:18

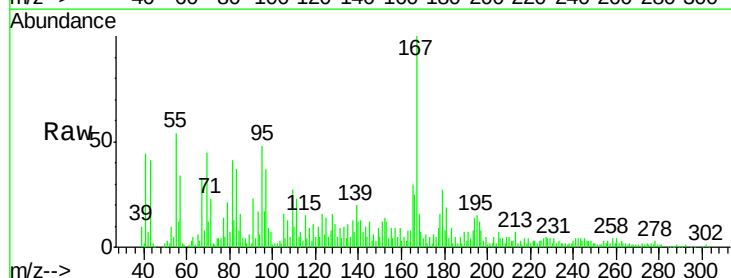
Tgt Ion:167 Resp: 76906

Ion Ratio Lower Upper

167 100

166 25.4 17.5 26.3

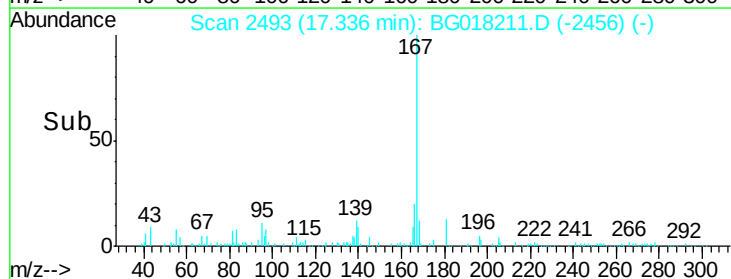
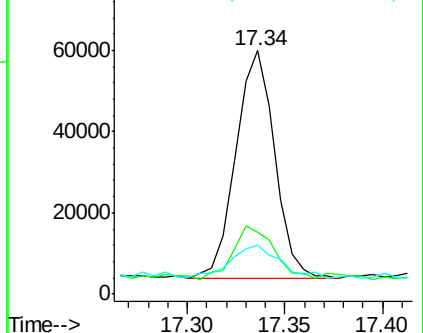
139 20.2 10.1 15.1#

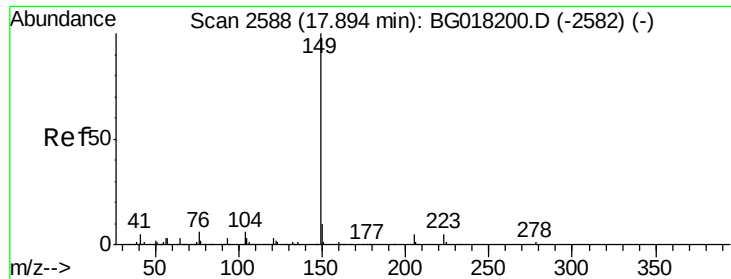


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#76

Di-n-butylphthalate

Concen: 4.77 ng/ul

RT: 17.91 min Scan# 2590

Delta R.T. 0.01 min

Lab File: BG018211.D

Acq: 1 Aug 2015 9:18

Instrument :

BNA_G

ClientSampleId :

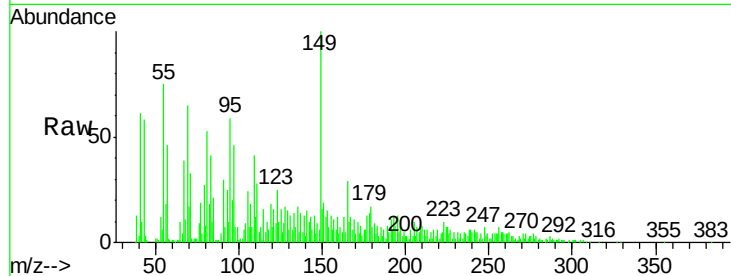
Tot Ion:149 Resp: 56025

Ion Ratio Lower Upper

149 100

150 15.7 7.7 11.5#

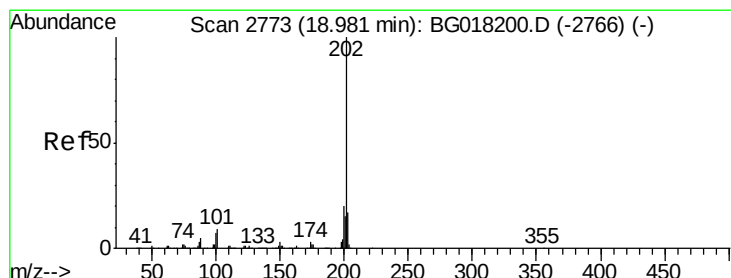
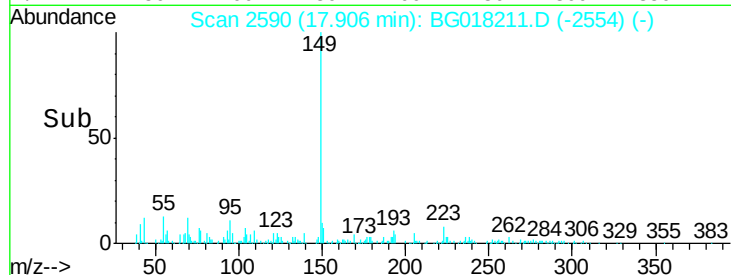
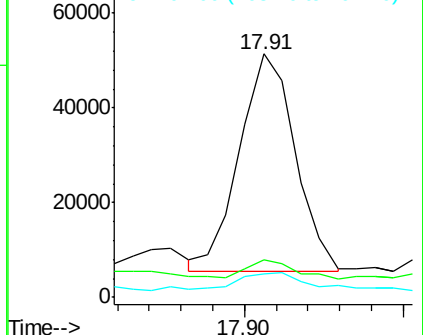
104 9.5 3.6 5.4#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#77

Fluoranthene

Concen: 94.66 ng/ul

RT: 19.01 min Scan# 2778

Delta R.T. 0.03 min

Lab File: BG018211.D

Acq: 1 Aug 2015 9:18

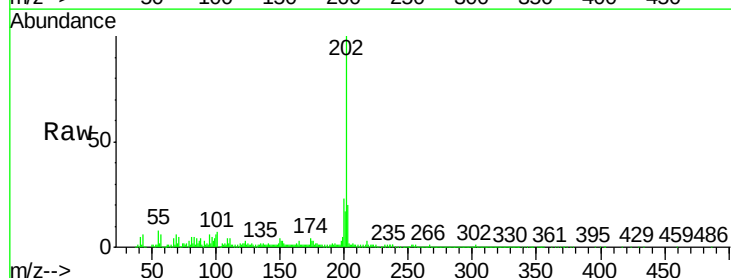
Tgt Ion:202 Resp: 1110719

Ion Ratio Lower Upper

202 100

101 7.4 7.5 11.3#

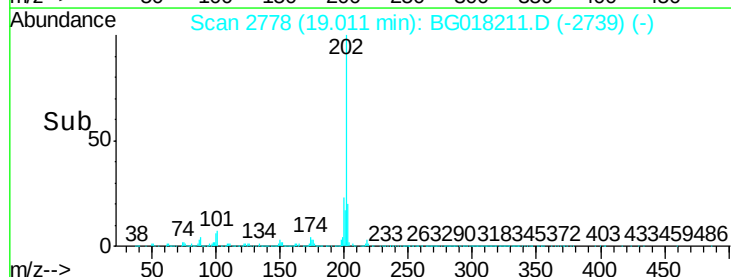
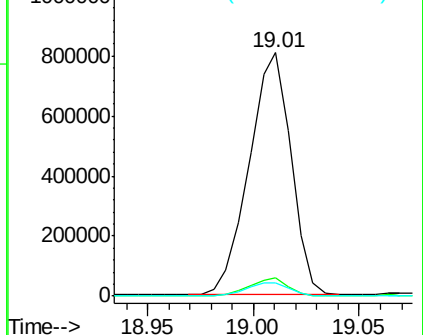
100 5.7 5.5 8.3

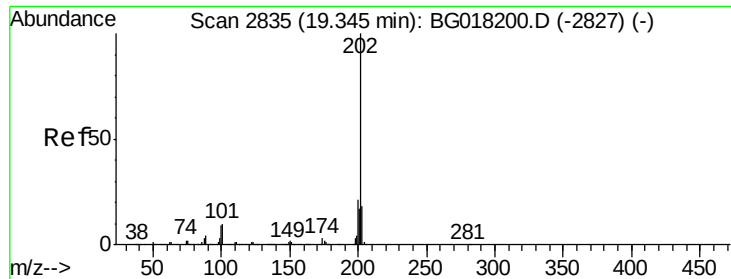


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

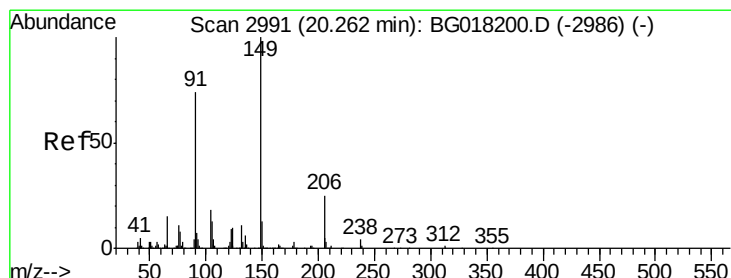
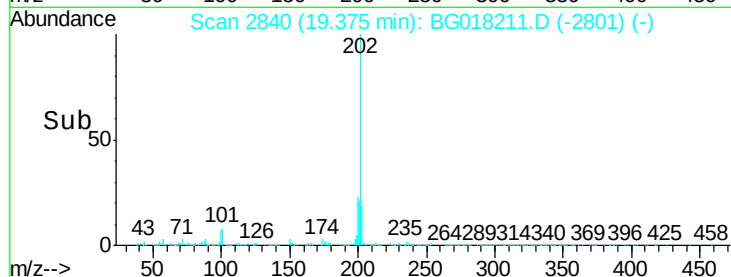
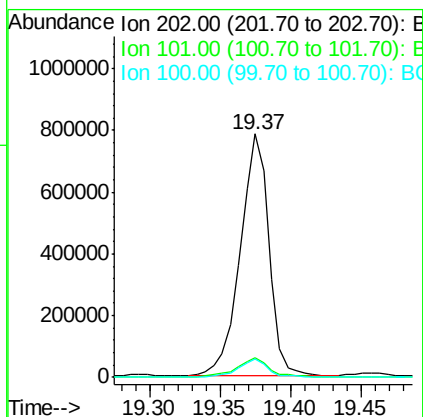
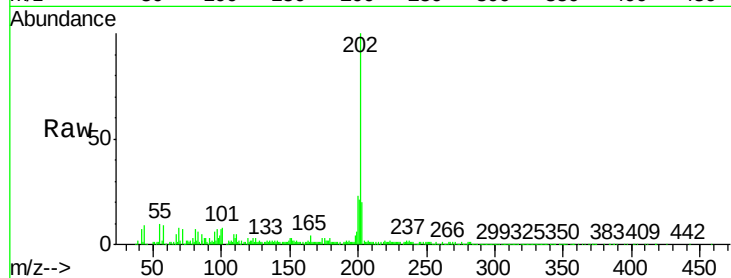




#80
Pvrene
Concen: 59.09 ng/ul
RT: 19.37 min Scan# 2840
Delta R.T. 0.03 min
Lab File: BG018211.D
Acq: 1 Aug 2015 9:18

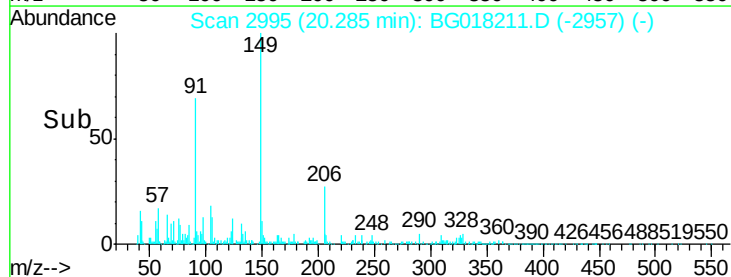
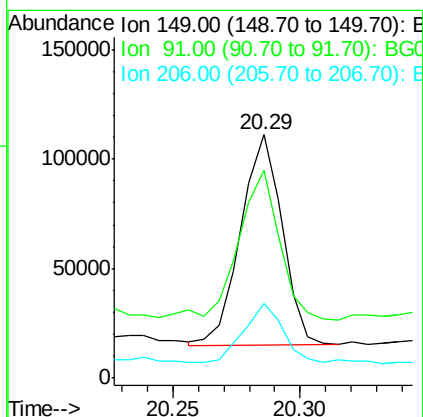
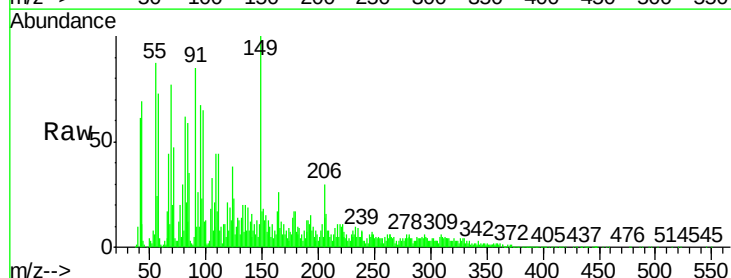
Instrument :
BNA_G
ClientSampled :

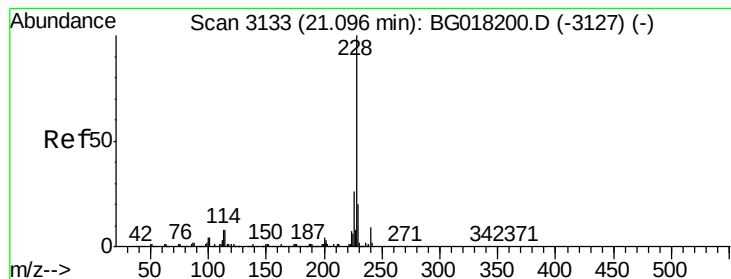
Tot Ion:202 Resp: 1112400
Ion Ratio Lower Upper
202 100
101 8.3 8.1 12.1
100 7.5 7.4 11.0



#81
Butylbenzylphthalate
Concen: 14.36 ng/ul
RT: 20.29 min Scan# 2995
Delta R.T. 0.02 min
Lab File: BG018211.D
Acq: 1 Aug 2015 9:18

Tgt Ion:149 Resp: 109773
Ion Ratio Lower Upper
149 100
91 85.2 46.6 69.8#
206 30.5 21.8 32.8





#83

Benzo(a)anthracene

Concen: 35.57 ng/ul

RT: 21.13 min Scan# 3139

Delta R.T. 0.04 min

Lab File: BG018211.D

Acq: 1 Aug 2015 9:18

Instrument :

BNA_G

ClientSampleId :

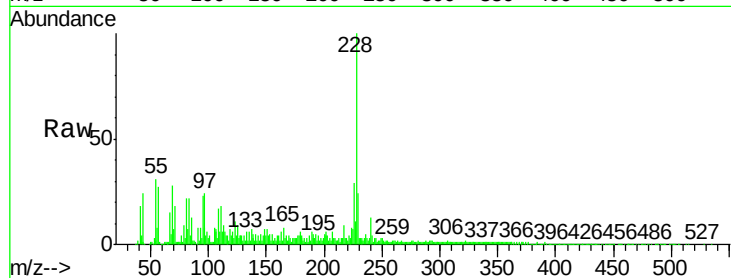
Tot Ion:228 Resp: 594472

Ion Ratio Lower Upper

228 100

229 23.8 16.5 24.7

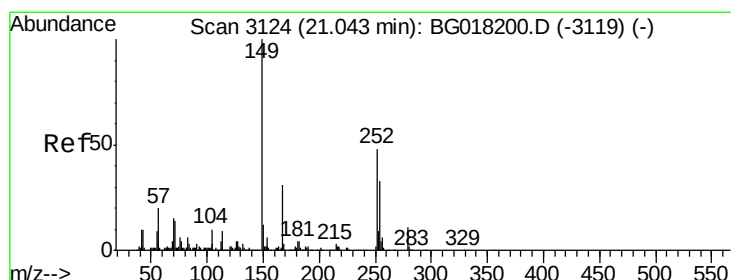
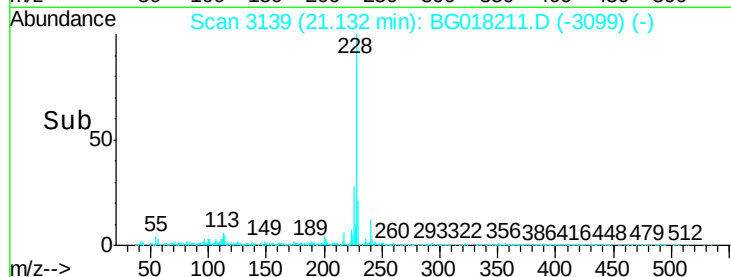
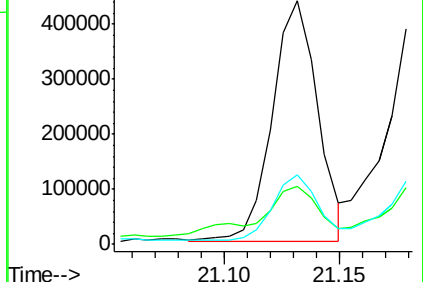
226 28.8 21.5 32.3



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 215.45 ng/ul

RT: 21.07 min Scan# 3129

Delta R.T. 0.03 min

Lab File: BG018211.D

Acq: 1 Aug 2015 9:18

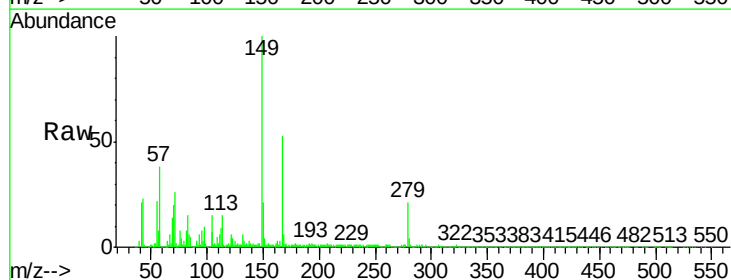
Tgt Ion:149 Resp: 2222854

Ion Ratio Lower Upper

149 100

167 53.3 27.4 41.2#

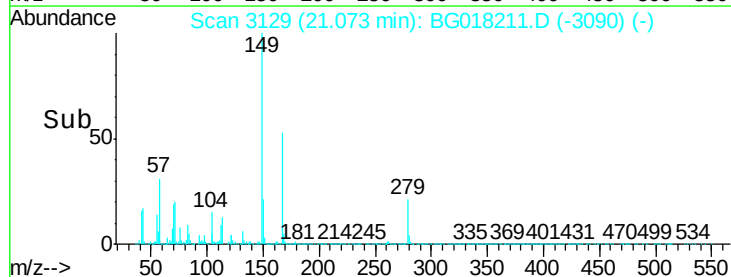
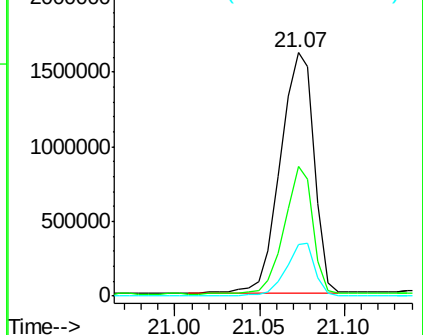
279 21.0 8.3 12.5#

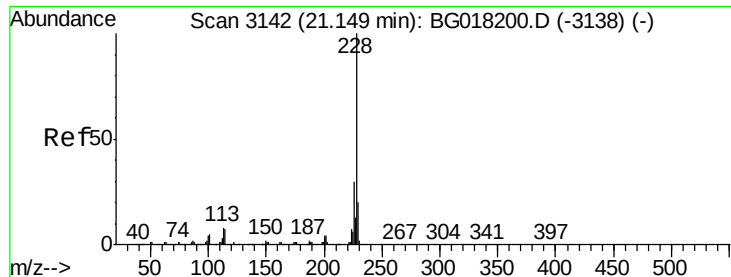


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Chrysene

Concen: 38.91 ng/ul

RT: 21.13 min Scan# 3139

Delta R.T. -0.02 min

Lab File: BG018211.D

Acq: 1 Aug 2015 9:18

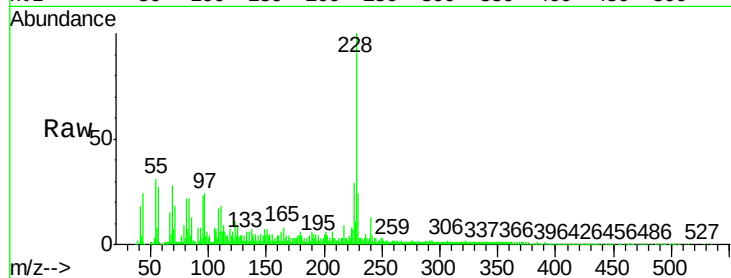
Instrument :

BNA_G

ClientSampleId :

Tot Ion:228 Resp: 595691

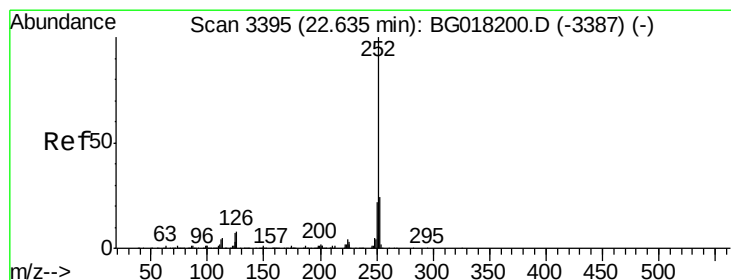
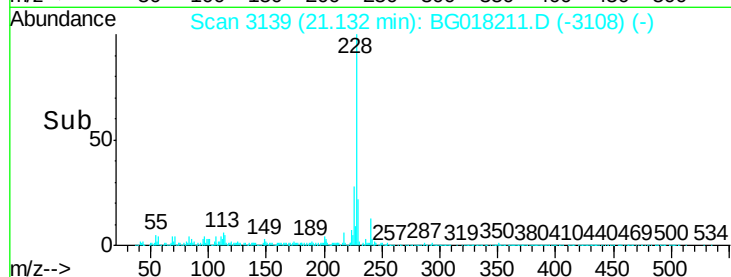
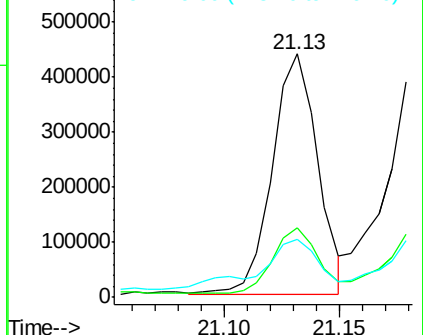
Ion	Ratio	Lower	Upper
228	100		
226	28.8	22.7	34.1
229	23.8	16.2	24.2



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



#88

Benzo(b)fluoranthene

Concen: 50.75 ng/ul

RT: 22.69 min Scan# 3405

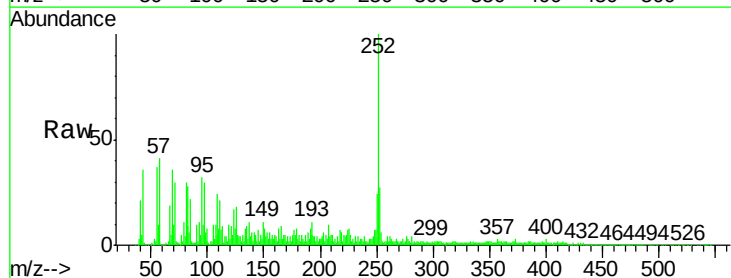
Delta R.T. 0.06 min

Lab File: BG018211.D

Acq: 1 Aug 2015 9:18

Tgt Ion:252 Resp: 958924

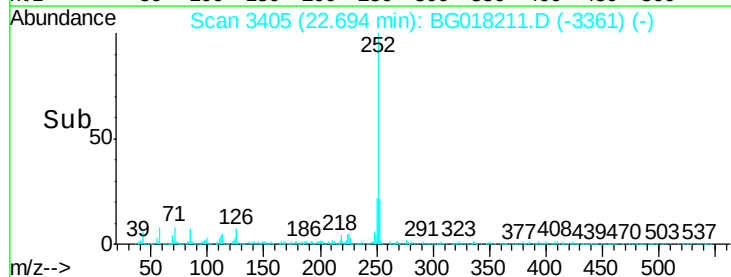
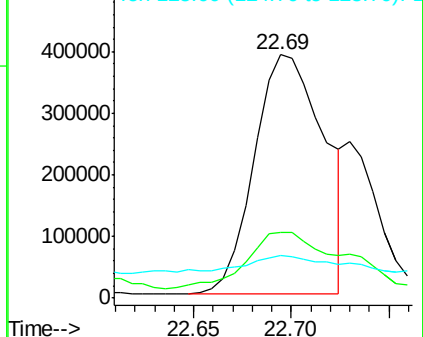
Ion	Ratio	Lower	Upper
252	100		
253	27.1	18.5	27.7
125	17.6	7.4	11.0

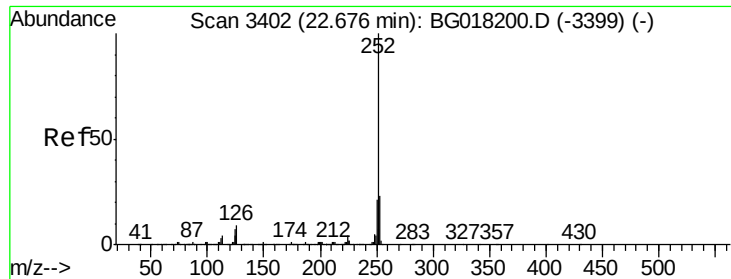


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 55.22 ng/ul

RT: 22.69 min Scan# 3405

Delta R.T. 0.02 min

Lab File: BG018211.D

Acq: 1 Aug 2015 9:18

Instrument :

BNA_G

ClientSampleId :

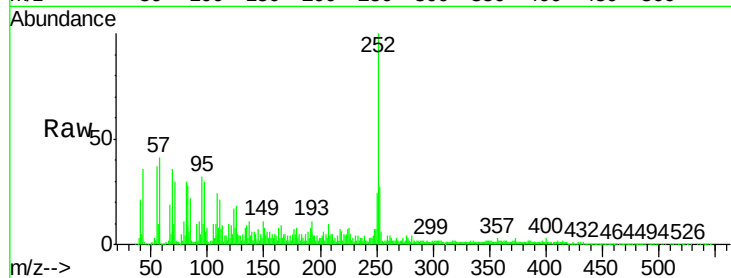
Tot Ion:252 Resp: 958924

Ion Ratio Lower Upper

252 100

253 27.1 18.2 27.2

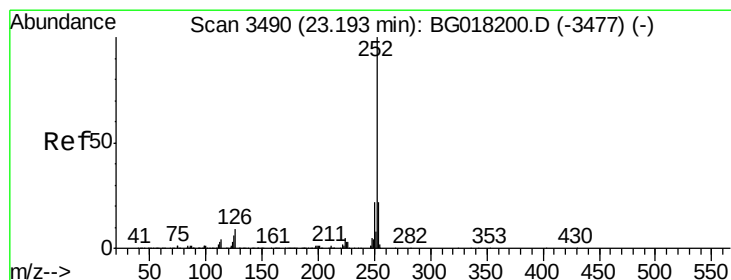
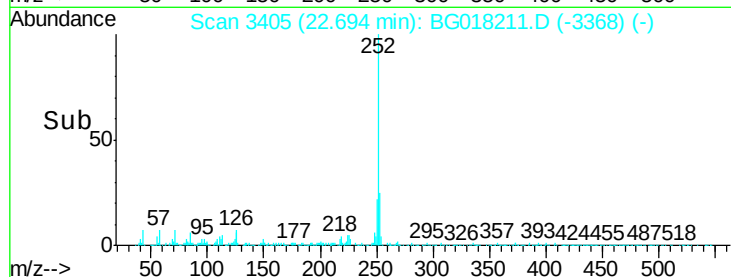
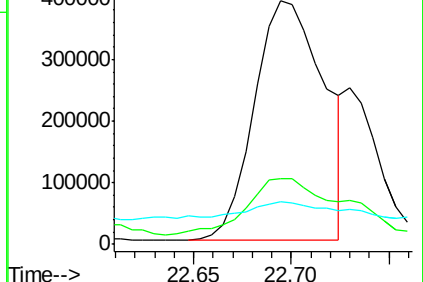
125 17.6 7.5 11.3#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91

Benzo(a)pyrene

Concen: 35.31 ng/ul

RT: 23.26 min Scan# 3501

Delta R.T. 0.07 min

Lab File: BG018211.D

Acq: 1 Aug 2015 9:18

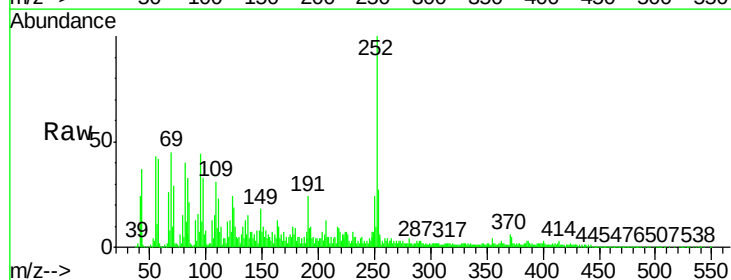
Tgt Ion:252 Resp: 596885

Ion Ratio Lower Upper

252 100

253 27.2 17.4 26.2#

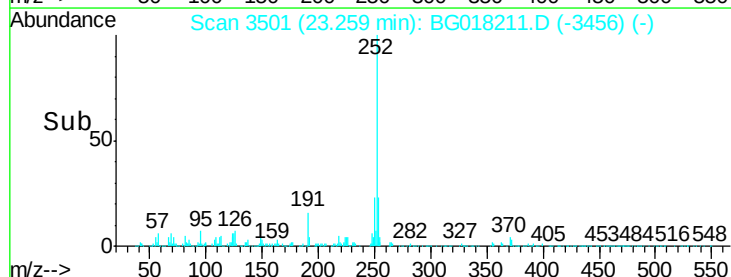
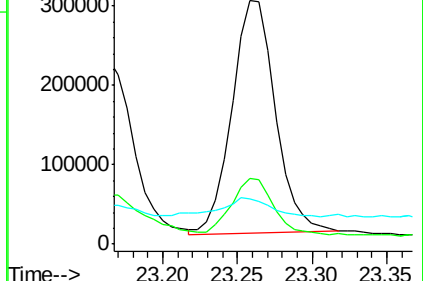
125 18.8 7.3 10.9#

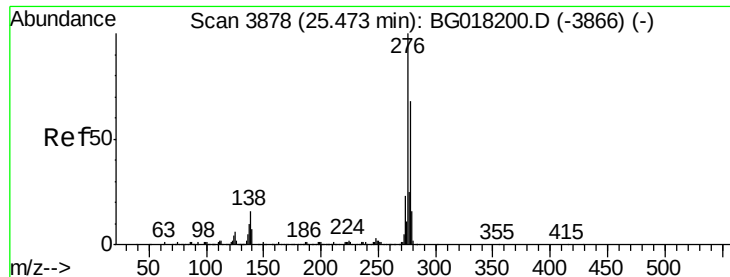


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#92

Indeno(1,2,3-cd)pyrene

Concen: 14.67 ng/ul

RT: 25.58 min Scan# 3896

Delta R.T. 0.11 min

Lab File: BG018211.D

Acq: 1 Aug 2015 9:18

Instrument :

BNA_G

ClientSampleId :

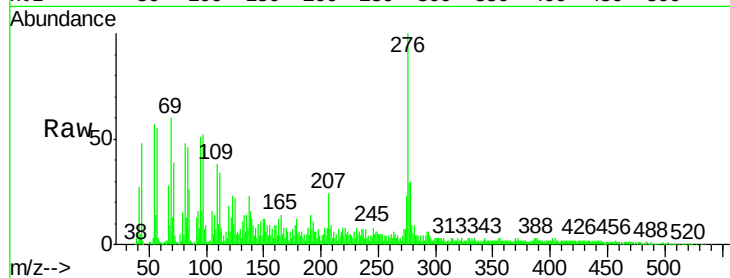
Tot Ion:276 Resp: 286920

Ion Ratio Lower Upper

276 100

138 15.8 17.2 25.8#

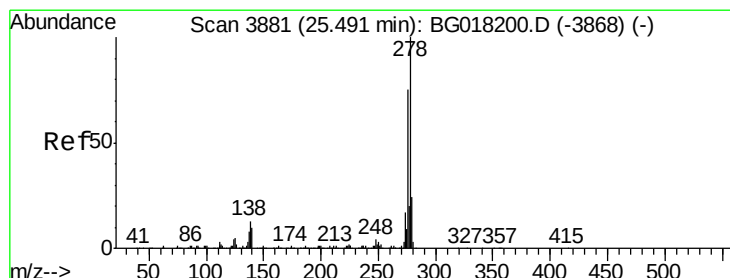
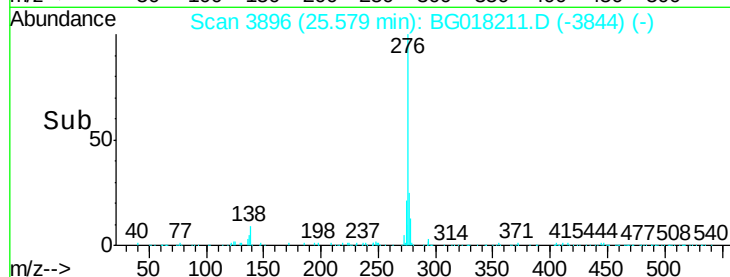
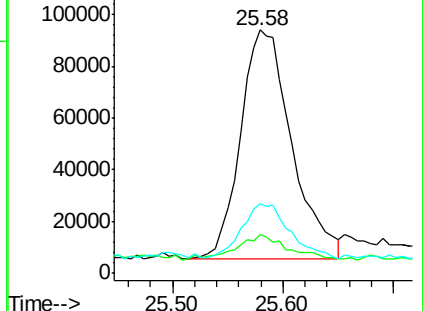
277 28.8 19.5 29.3



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#93

Dibenzo(a,h)anthracene

Concen: 4.33 ng/ul

RT: 25.58 min Scan# 3896

Delta R.T. 0.09 min

Lab File: BG018211.D

Acq: 1 Aug 2015 9:18

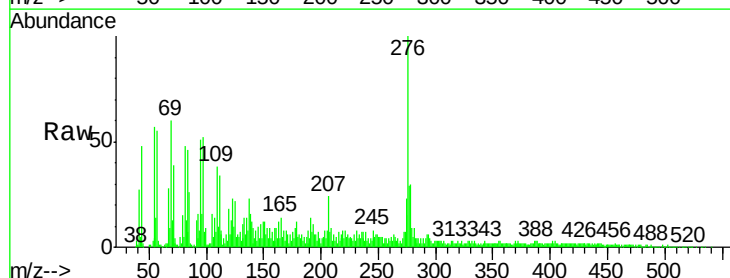
Tgt Ion:278 Resp: 72478

Ion Ratio Lower Upper

278 100

139 40.0 12.2 18.2#

279 31.0 20.0 30.0#



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

