

Data Path : Z:\HPCHEM1\BNA G\DATA\BG073115\
 Data File : BG018212.D
 Acq On : 1 Aug 2015 9:53
 Operator : TP/UM
 Sample : G3073-21
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 03 02:00:04 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	52872	20.00	ng/ul	0.01
18) Naphthalene-d8	10.27	136	204779	20.00	ng/ul	0.01
36) Acenaphthene-d10	14.17	164	101689	20.00	ng/ul	0.02
62) Phenanthrene-d10	16.92	188	200848	20.00	ng/ul	0.02
78) Chrysene-d12	21.13	240	244147	20.00	ng/ul	0.02
86) Perylene-d12	23.32	264	266084	20.00	ng/ul	0.03

System Monitoring Compounds

3) 1,4-Dioxane-d8	2.98	96	1841	2.63	ng/uL	0.00
5) Phenol-d5	6.69	99	81225	17.09	ng/ul	0.02
7) Bis-(2-Chloroethyl)ether-d	6.83	67	47535	19.56	ng/ul	0.00
9) 2-Chlorophenol-d4	7.02	132	68813	19.16	ng/ul	0.01
13) 4-Methylphenol-d8	8.22	113	62626	16.18	ng/ul	0.01
19) Nitrobenzene-d5	8.64	128	34787	21.57	ng/ul	0.00
22) 2-Nitrophenol-d4	9.36	143	28984	15.66	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	9.91	165	66325	20.27	ng/ul	0.02
29) 4-Chloroaniline-d4	10.42	131	38789	9.51	ng/ul	0.02
44) Dimethylphthalate-d6	13.58	166	166344	21.17	ng/ul	0.01
47) Acenaphthylene-d8	13.86	160	167099	18.34	ng/ul	0.02
52) 4-Nitrophenol-d4	14.41	143	14019	9.64	ng/ul	0.03
58) Fluorene-d10	15.17	176	116854	16.43	ng/ul	0.02
63) 4,6-Dinitro-2-methylphenol	15.34	200	1342	0.96	ng/ul	0.05
71) Anthracene-d10	16.92	188	200848	23.00	ng/ul	-0.08
79) Pyrene-d10	19.33	212	151743	12.85	ng/ul	0.02
90) Benzo(a)pyrene-d12	23.17	264	181157	13.46	ng/ul	0.03

Target Compounds

					Ovalue
17) Hexachloroethane	8.59	117	6062	3.76 ng/ul#	5
21) Isophorone	9.20	82	20081	2.52 ng/ul#	1
24) 2,4-Dimethylphenol	9.47	107	16173	3.98 ng/ul#	32
28) Naphthalene	10.33	128	72616	7.37 ng/ul	97
34) 2-Methylnaphthalene	11.95	142	37233	4.77 ng/ul	98
35) 1-Methylnaphthalene	12.18	142	20426	2.73 ng/ul#	80
45) Dimethylphthalate	13.63	163	71849	9.19 ng/ul#	92
48) Acenaphthylene	13.90	152	13333	1.47 ng/ul#	13
49) 3-Nitroaniline	14.07	138	4682	2.96 ng/ul#	47
50) Acenaphthene	14.23	153	29484	5.00 ng/ul	98
53) 4-Nitrophenol	14.41	109	1937	1.32 ng/ul#	11
54) Dibenzofuran	14.57	168	24355	2.74 ng/ul#	66
59) Fluorene	15.23	166	30121	3.93 ng/ul#	79
65) N-Nitrosodiphenylamine	15.45	169	27307	5.25 ng/ul#	50
70) Phenanthrene	16.97	178	113315	11.11 ng/ul	96
72) Anthracene	17.06	178	30041	2.96 ng/ul#	86
75) Carbazole	17.33	167	14539	1.72 ng/ul#	49
77) Fluoranthene	19.00	202	222315	19.84 ng/ul#	93
80) Pyrene	19.36	202	206297	13.93 ng/ul#	93
81) Butylbenzylphthalate	20.27	149	7944	1.32 ng/ul#	57
83) Benzo(a)anthracene	21.11	228	103036	7.84 ng/ul#	92
84) Bis(2-ethylhexyl)phthalate	21.05	149	45443	5.60 ng/ul#	98
85) Chrysene	21.17	228	124933	10.37 ng/ul#	93

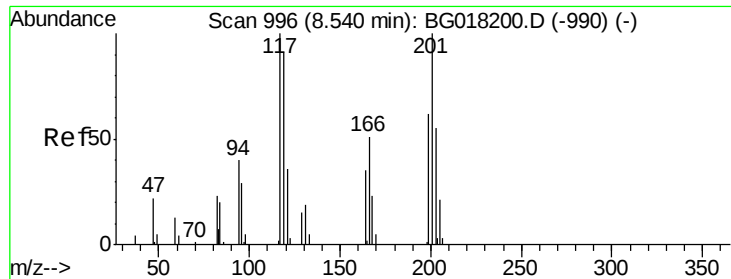
Data Path : Z:\HPCHEM1\BNA G\DATA\BG073115\
Data File : BG018212.D
Acq On : 1 Aug 2015 9:53
Operator : TP/UM
Sample : G3073-21
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :

Quant Time: Aug 03 02:00:04 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)
88) Benzo(b)fluoranthene	22.66	252	200191	12.52	ng/ul#	75
89) Benzo(k)fluoranthene	22.66	252	200191	13.63	ng/ul#	74
91) Benzo(a)pyrene	23.22	252	127179	8.89	ng/ul#	72
92) Indeno(1,2,3-cd)pyrene	25.52	276	68570	4.14	ng/ul#	86
93) Dibenzo(a,h)anthracene	25.53	278	18782	1.33	ng/ul#	62
94) Benzo(a,h,i)perylene	26.21	276	54331	4.02	ng/ul	95

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



#17

Hexachloroethane

Concen: 3.76 ng/ul

RT: 8.59 min Scan# 1004

Delta R.T. 0.05 min

Lab File: BG018212.D

Acq: 1 Aug 2015 9:53

Instrument :

BNA_G

ClientSampled :

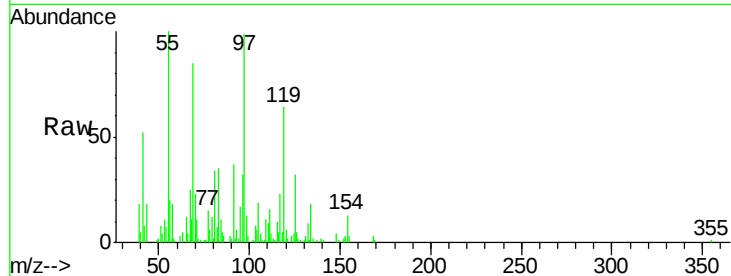
Tot Ion:117 Resp: 6062

Ion Ratio Lower Upper

117 100

201 0.0 85.0 127.4#

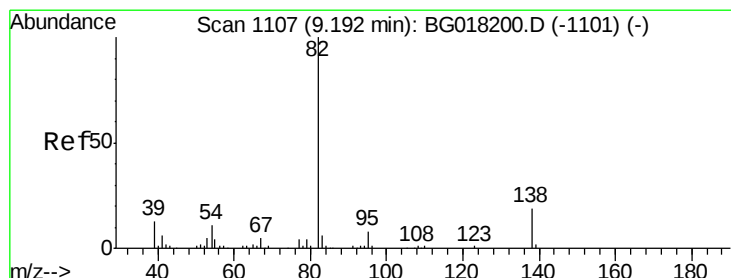
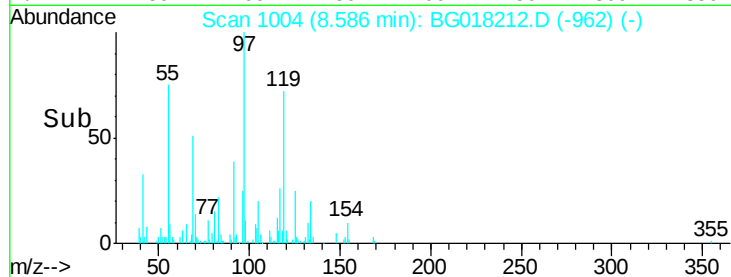
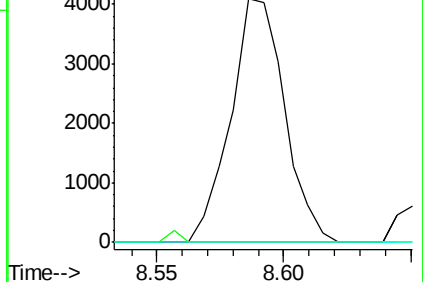
199 0.0 52.2 78.4#



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



#21

Isophorone

Concen: 2.52 ng/ul

RT: 9.20 min Scan# 1108

Delta R.T. 0.00 min

Lab File: BG018212.D

Acq: 1 Aug 2015 9:53

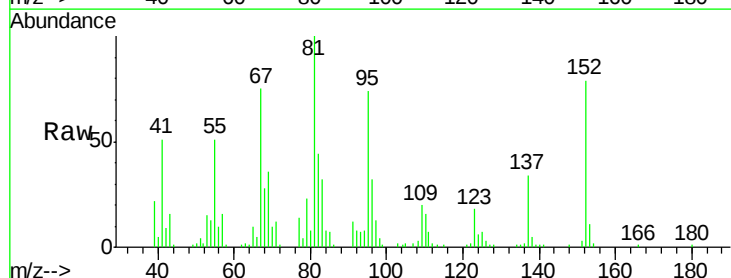
Tgt Ion: 82 Resp: 20081

Ion Ratio Lower Upper

82 100

95 167.4 6.5 9.7#

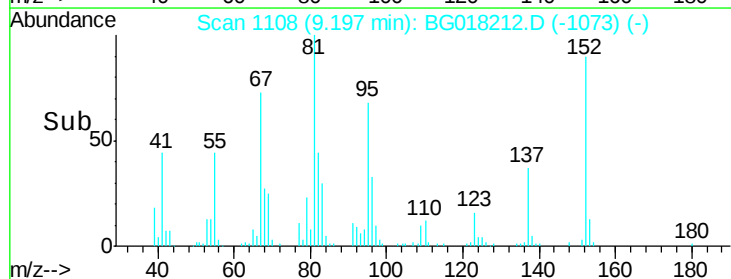
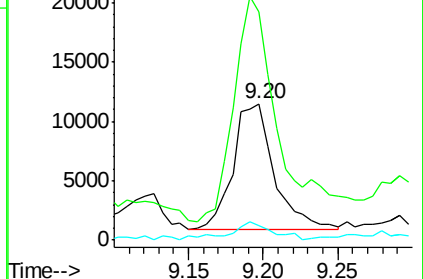
138 10.3 20.9 31.3#

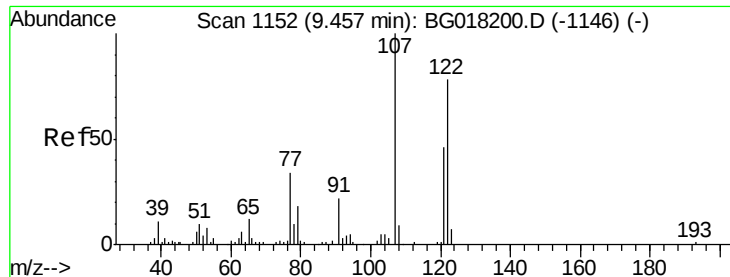


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 95.00 (94.70 to 95.70): BGC

Ion 138.00 (137.70 to 138.70): E





#24

2,4-Dimethylphenol

Concen: 3.98 ng/ul

RT: 9.47 min Scan# 1154

Delta R.T. 0.01 min

Lab File: BG018212.D

Acq: 1 Aug 2015 9:53

Instrument :

BNA_G

ClientSampleId :

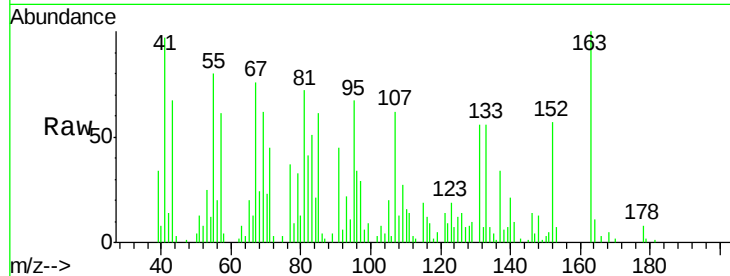
Tot Ion:107 Resp: 16173

Ion Ratio Lower Upper

107 100

121 21.8 41.4 62.2#

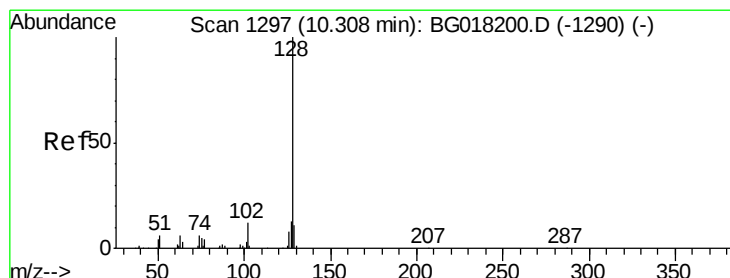
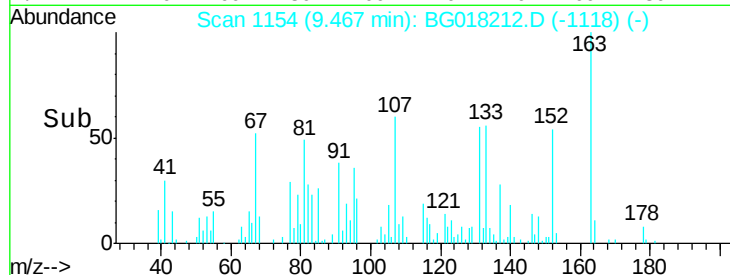
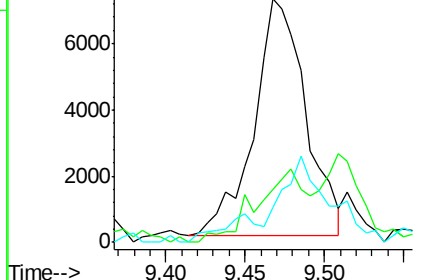
122 14.5 75.3 112.9#



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: 7.37 ng/ul

RT: 10.33 min Scan# 1300

Delta R.T. 0.02 min

Lab File: BG018212.D

Acq: 1 Aug 2015 9:53

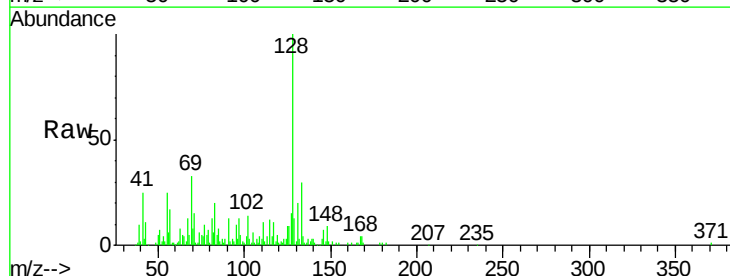
Tgt Ion:128 Resp: 72616

Ion Ratio Lower Upper

128 100

129 12.9 9.1 13.7

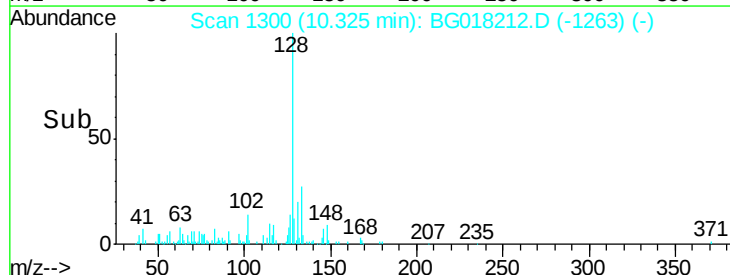
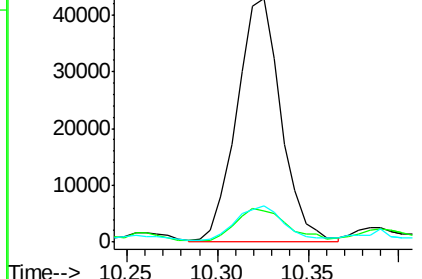
127 14.8 11.2 16.8

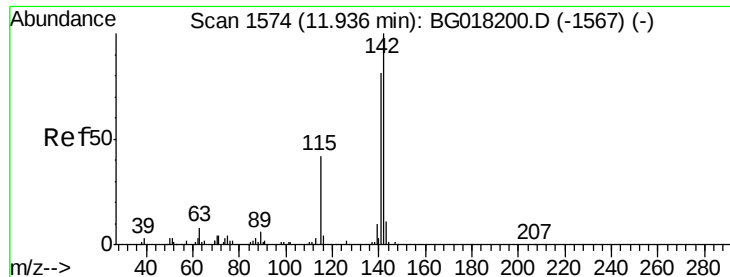


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

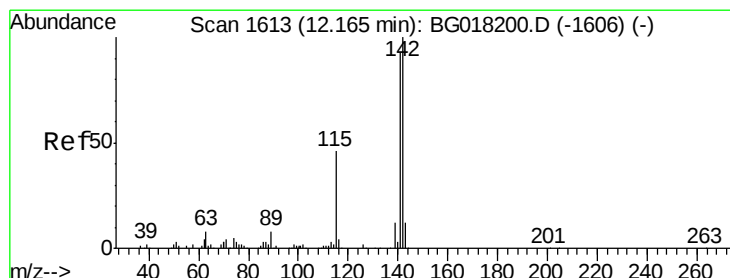
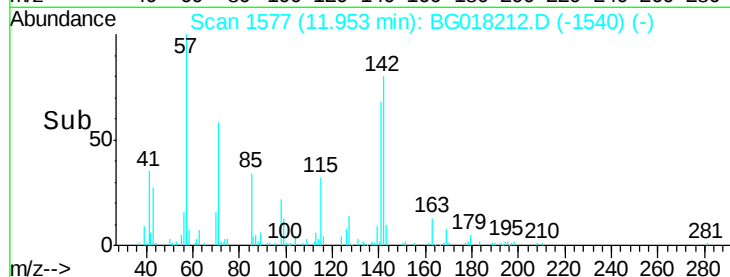
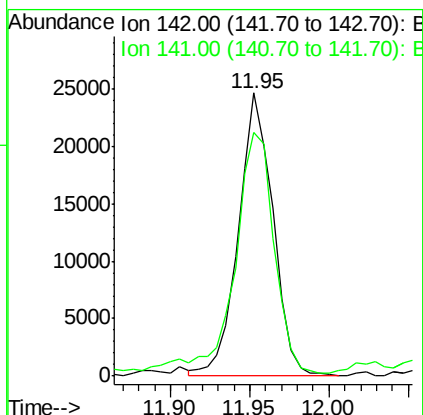
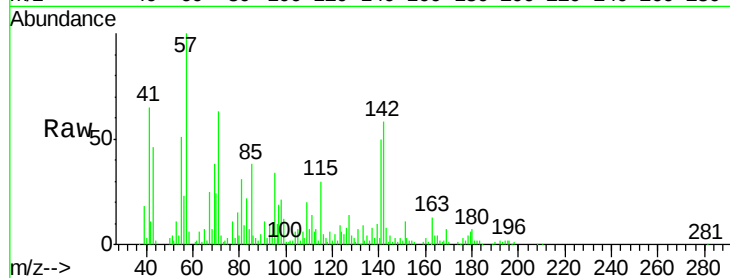




#34
 2-Methylnaphthalene
 Concen: 4.77 ng/ul
 RT: 11.95 min Scan# 1577
 Delta R.T. 0.02 min
 Lab File: BG018212.D
 Acq: 1 Aug 2015 9:53

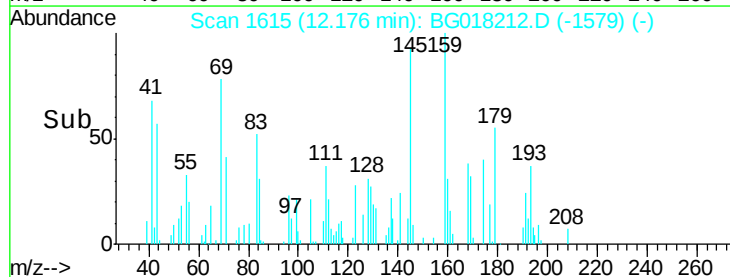
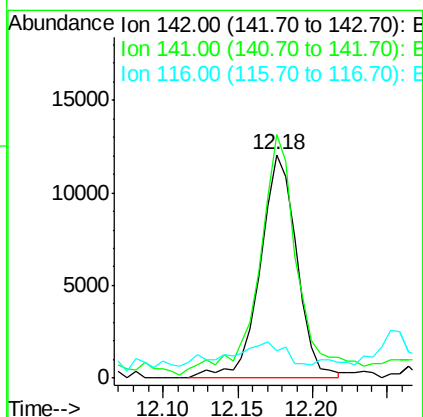
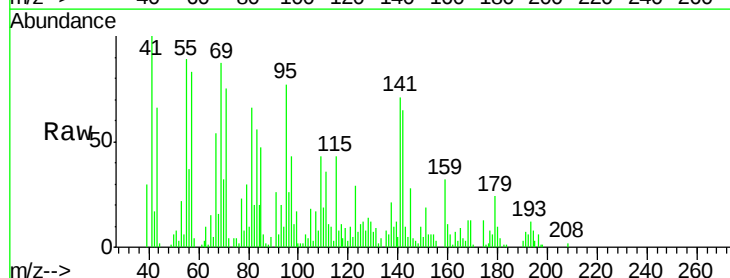
Instrument :
 BNA_G
 ClientSampleId :

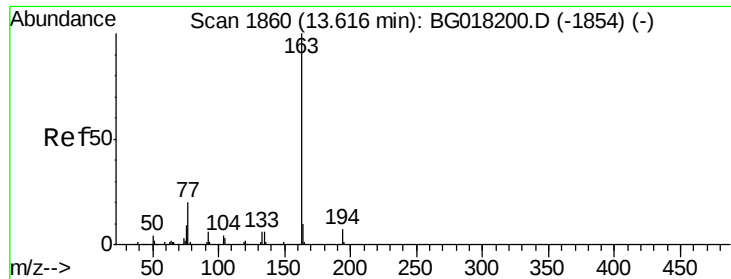
Tot Ion:142 Resp: 37233
 Ion Ratio Lower Upper
 142 100
 141 86.3 70.3 105.5



#35
 1-Methylnaphthalene
 Concen: 2.73 ng/ul
 RT: 12.18 min Scan# 1615
 Delta R.T. 0.01 min
 Lab File: BG018212.D
 Acq: 1 Aug 2015 9:53

Tgt Ion:142 Resp: 20426
 Ion Ratio Lower Upper
 142 100
 141 109.1 72.5 108.7#
 116 12.2 2.6 4.0#

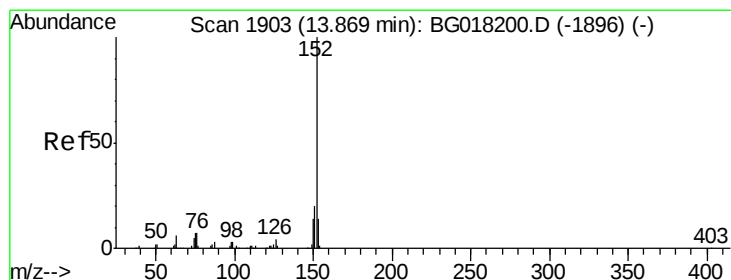
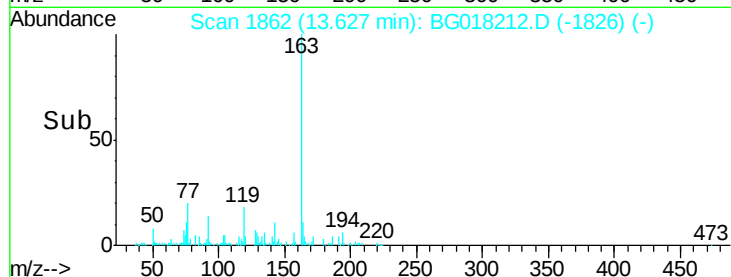
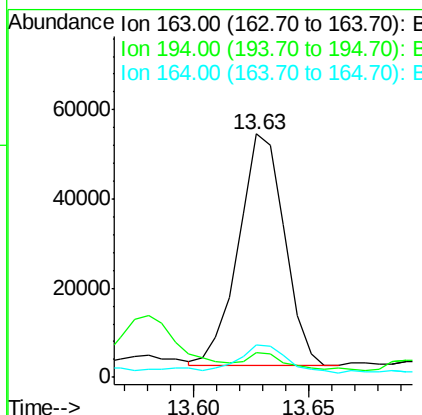
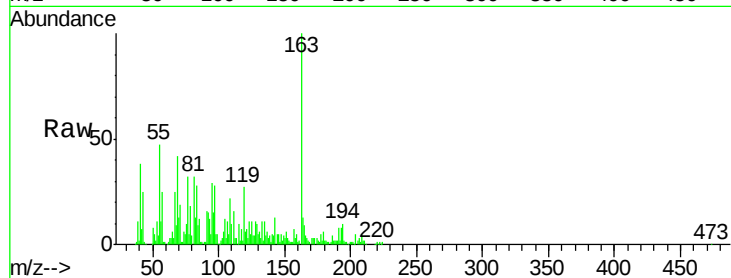




#45
Dimethylphthalate
Concen: 9.19 ng/ul
RT: 13.63 min Scan# 1862
Delta R.T. 0.01 min
Lab File: BG018212.D
Acq: 1 Aug 2015 9:53

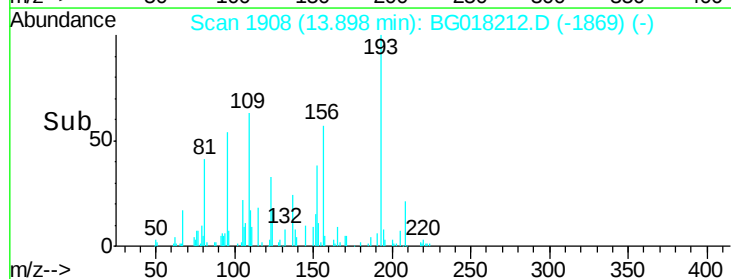
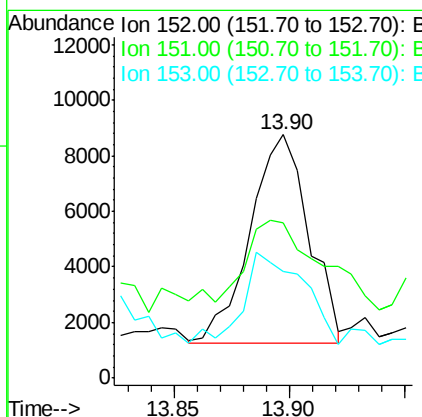
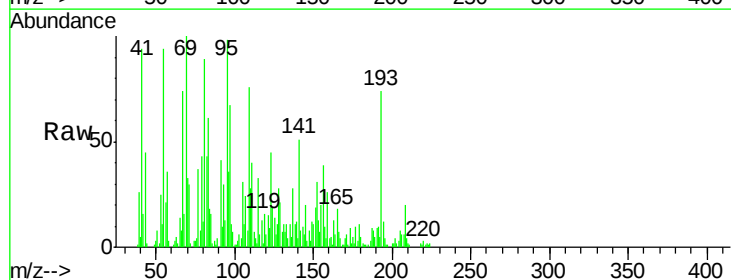
Instrument :
BNA_G
ClientSampleId :

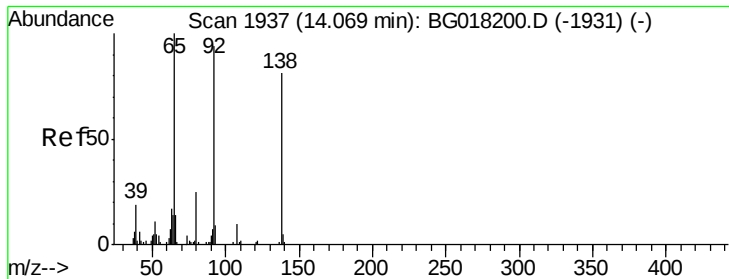
Tot Ion	Ion	Ratio	Lower	Upper
163	100			
194	10.0	5.2	7.8#	
164	13.1	8.4	12.6#	



#48
Acenaphthylene
Concen: 1.47 ng/ul
RT: 13.90 min Scan# 1908
Delta R.T. 0.03 min
Lab File: BG018212.D
Acq: 1 Aug 2015 9:53

Tgt Ion	Ion	Ratio	Lower	Upper
152	100			
151	63.9	16.0	24.0#	
153	43.8	11.0	16.4#	





#49

3-Nitroaniline

Concen: 2.96 ng/ul

RT: 14.07 min Scan# 1938

Delta R.T. 0.00 min

Lab File: BG018212.D

Acq: 1 Aug 2015 9:53

Instrument :

BNA_G

ClientSampled :

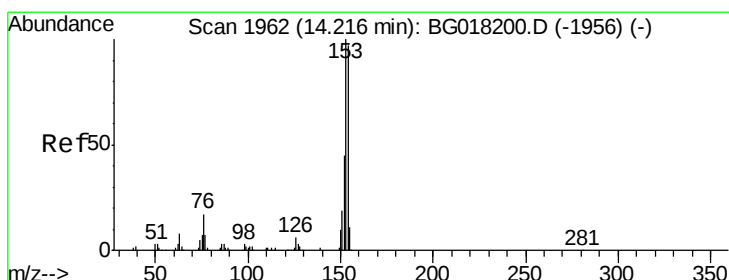
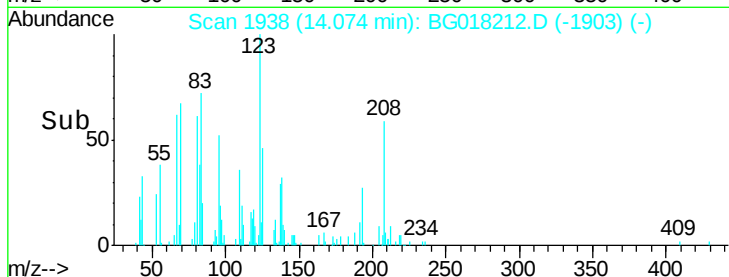
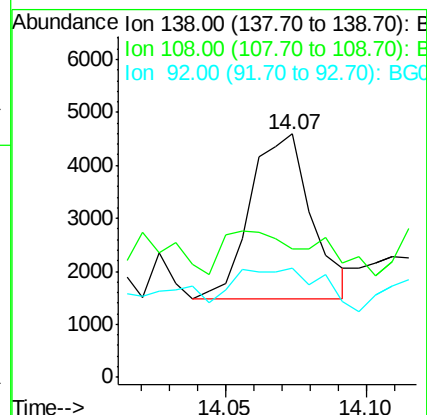
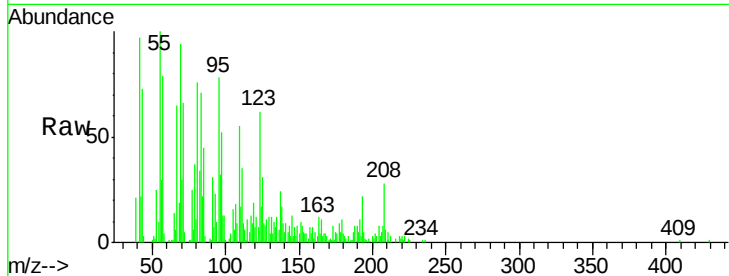
Tot Ion:138 Resp: 4682

Ion Ratio Lower Upper

138 100

108 52.6 6.8 10.2#

92 44.9 70.2 105.2#



#50

Acenaphthene

Concen: 5.00 ng/ul

RT: 14.23 min Scan# 1965

Delta R.T. 0.02 min

Lab File: BG018212.D

Acq: 1 Aug 2015 9:53

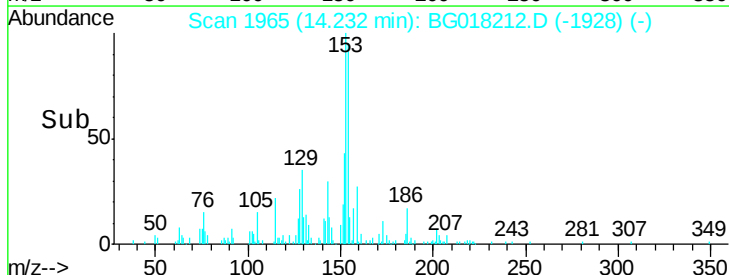
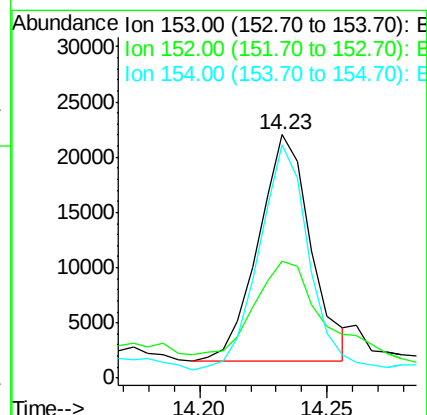
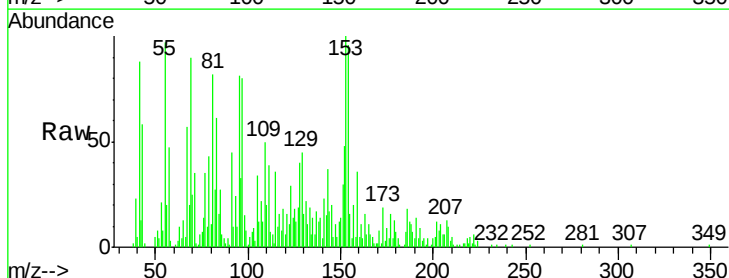
Tgt Ion:153 Resp: 29484

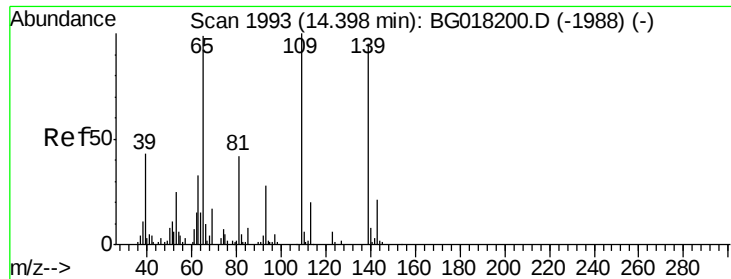
Ion Ratio Lower Upper

153 100

152 47.8 38.7 58.1

154 95.8 74.8 112.2





#53

4-Nitrophenol

Concen: 1.32 ng/ul

RT: 14.41 min Scan# 1996

Delta R.T. 0.02 min

Lab File: BG018212.D

Acq: 1 Aug 2015 9:53

Instrument :

BNA_G

ClientSampleId :

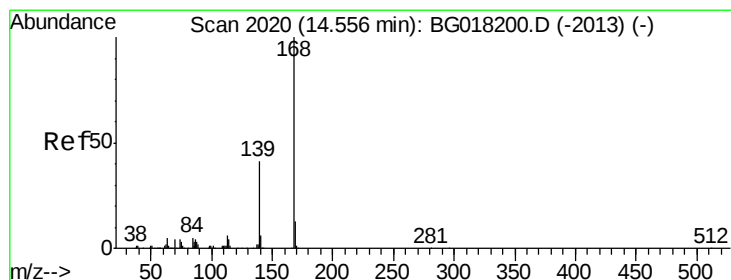
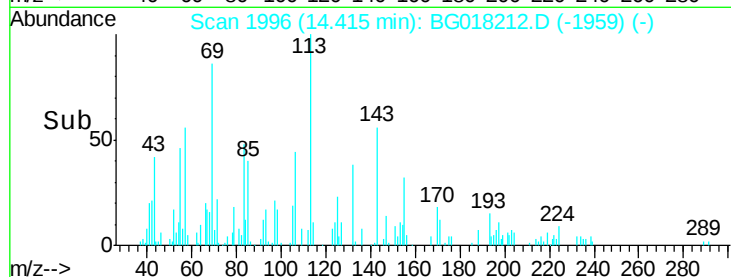
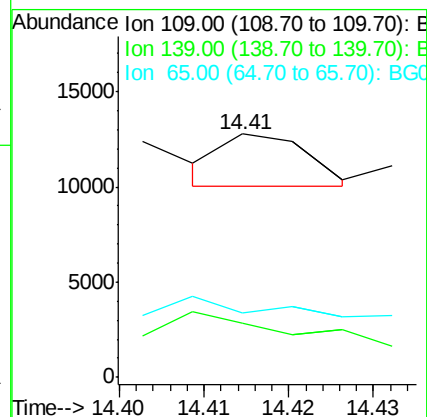
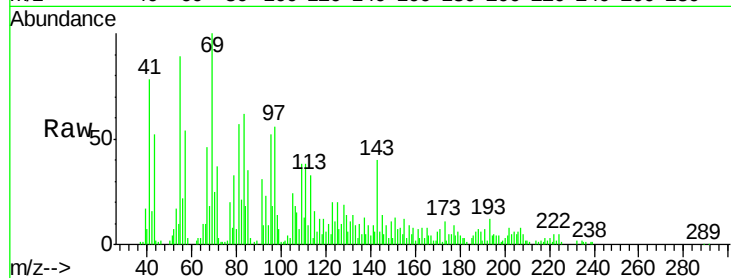
Tot Ion:109 Resp: 1937

Ion Ratio Lower Upper

109 100

139 22.5 115.1 172.7#

65 26.2 83.8 125.6#



#54

Dibenzofuran

Concen: 2.74 ng/ul

RT: 14.57 min Scan# 2023

Delta R.T. 0.02 min

Lab File: BG018212.D

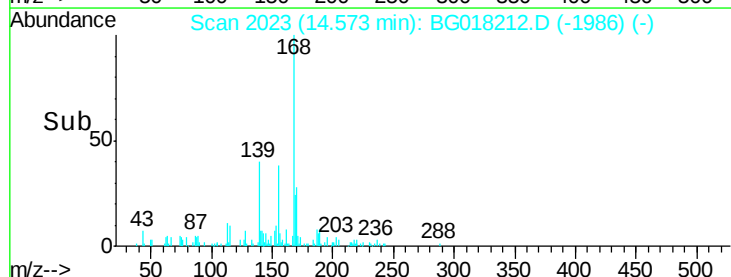
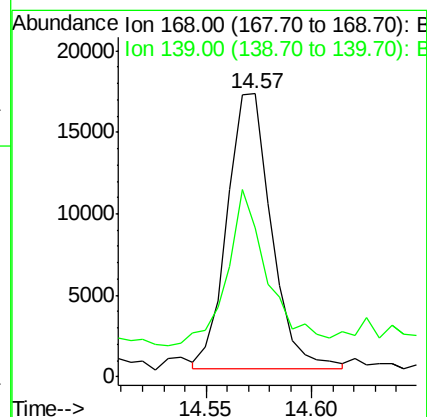
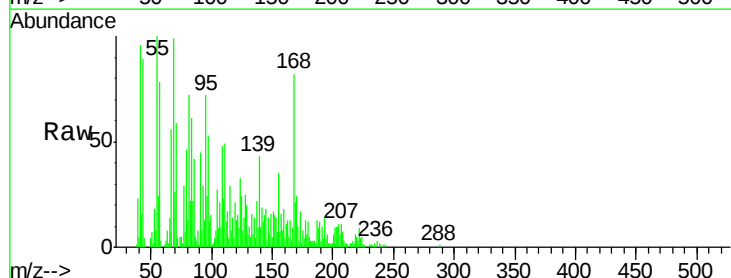
Acq: 1 Aug 2015 9:53

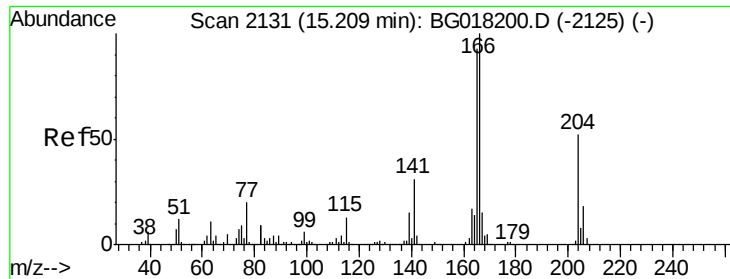
Tgt Ion:168 Resp: 24355

Ion Ratio Lower Upper

168 100

139 52.6 26.8 40.2#

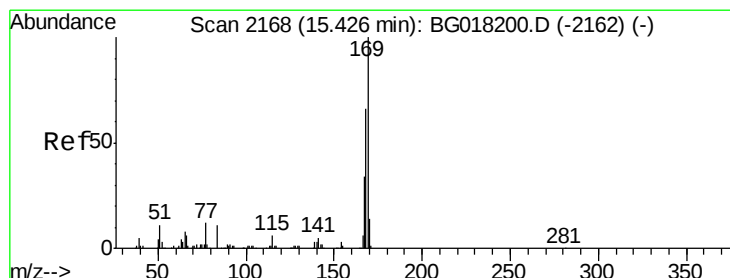
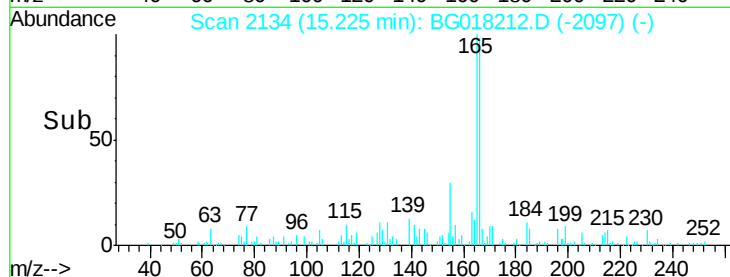
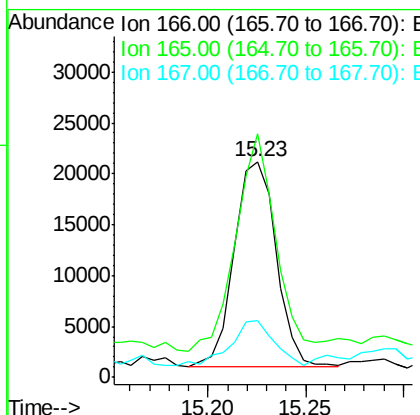
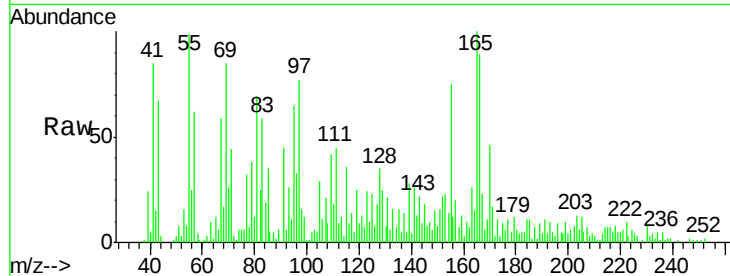




#59
 Fluorene
 Concen: 3.93 ng/ul
 RT: 15.23 min Scan# 2134
 Delta R.T. 0.02 min
 Lab File: BG018212.D
 Acq: 1 Aug 2015 9:53

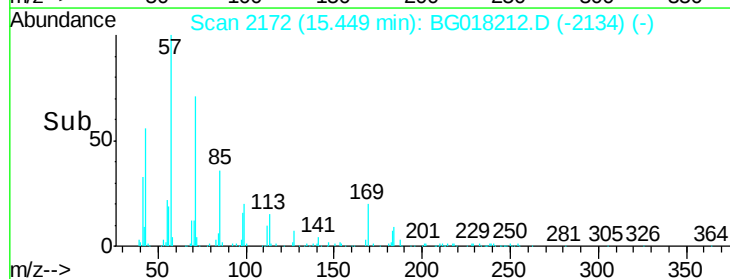
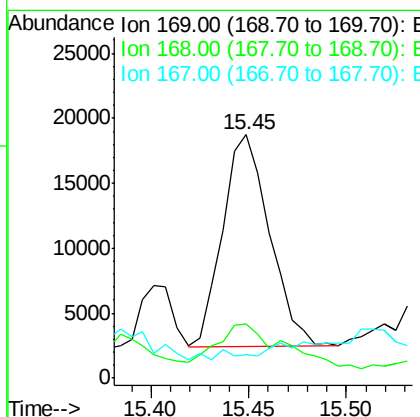
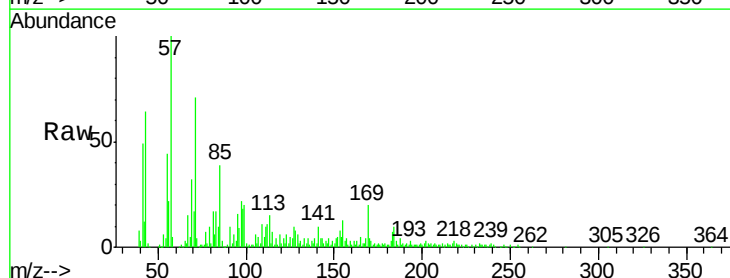
Instrument :
 BNA_G
 ClientSampleId :

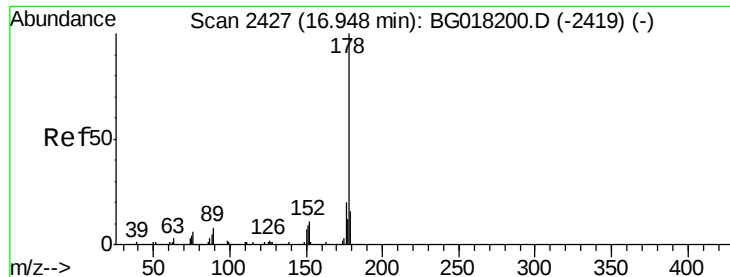
Tot Ion:166 Resp: 30121
 Ion Ratio Lower Upper
 166 100
 165 112.9 75.1 112.7#
 167 26.1 11.8 17.6#



#65
 N-Nitrosodiphenylamine
 Concen: 5.25 ng/ul
 RT: 15.45 min Scan# 2172
 Delta R.T. 0.02 min
 Lab File: BG018212.D
 Acq: 1 Aug 2015 9:53

Tgt Ion:169 Resp: 27307
 Ion Ratio Lower Upper
 169 100
 168 22.4 51.8 77.6#
 167 9.7 27.7 41.5#

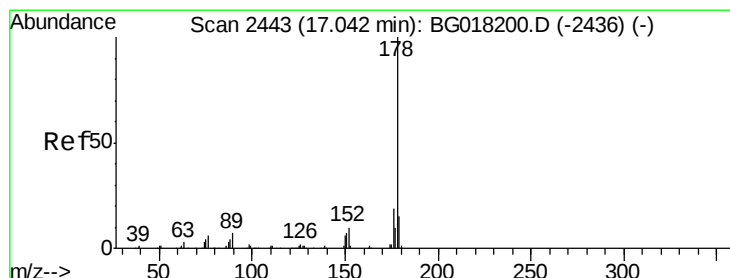
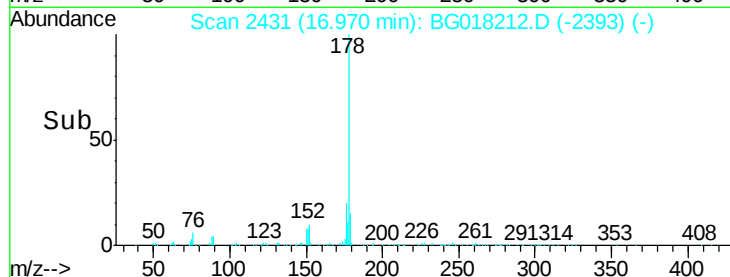
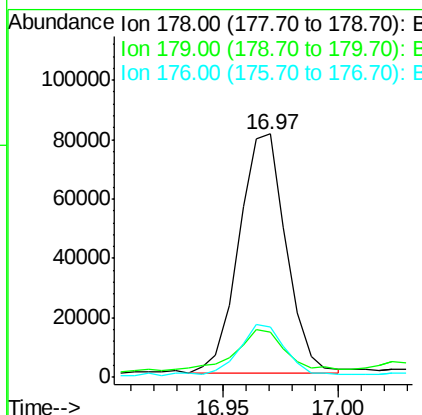
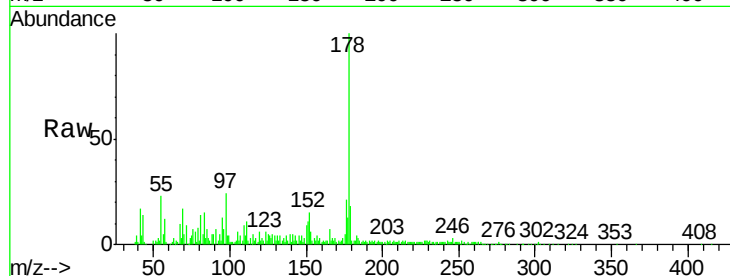




#70
Phenanthrene
Concen: 11.11 ng/ul
RT: 16.97 min Scan# 2431
Delta R.T. 0.02 min
Lab File: BG018212.D
Acq: 1 Aug 2015 9:53

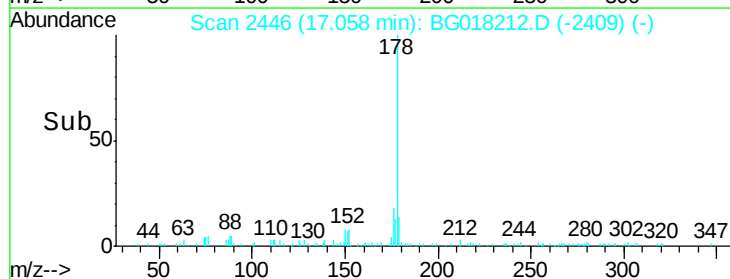
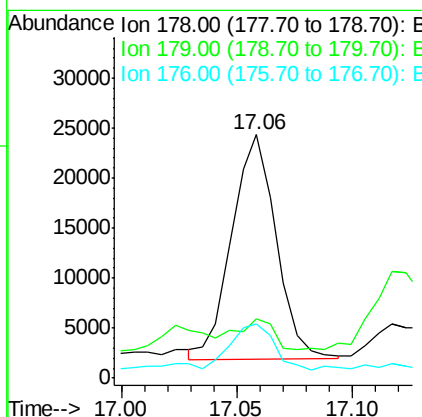
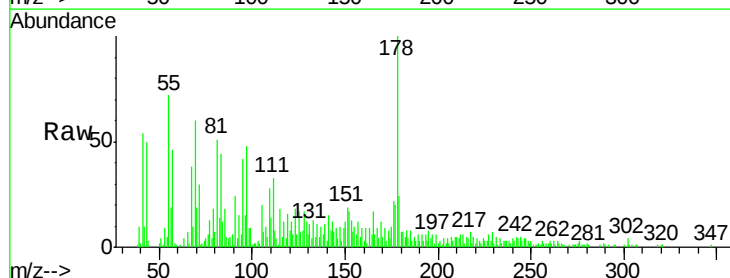
Instrument :
BNA_G
ClientSampleId :

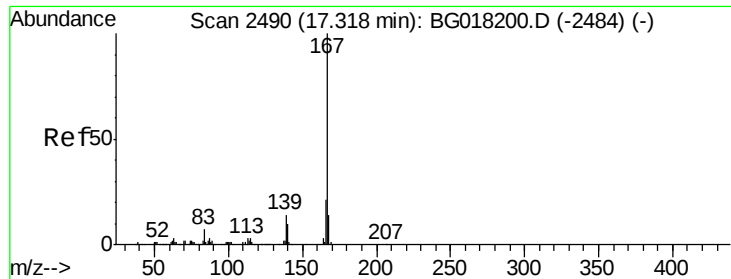
Tot Ion	Ratio	Lower	Upper
178	100		
179	18.4	12.8	19.2
176	20.9	16.0	24.0



#72
Anthracene
Concen: 2.96 ng/ul
RT: 17.06 min Scan# 2446
Delta R.T. 0.02 min
Lab File: BG018212.D
Acq: 1 Aug 2015 9:53

Tgt Ion	Ratio	Lower	Upper
178	100		
179	24.1	12.2	18.2#
176	22.1	14.8	22.2

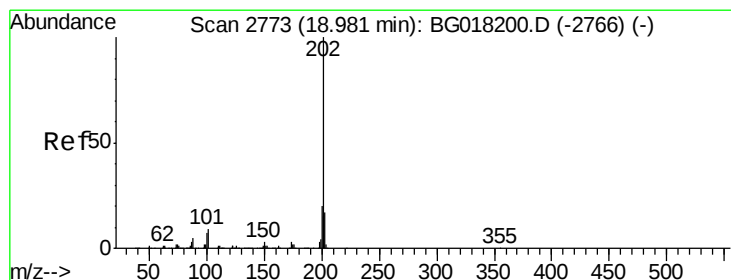
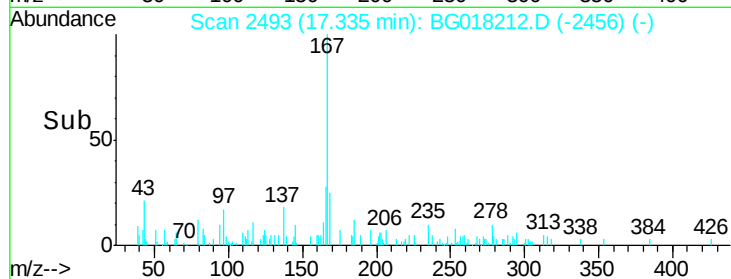
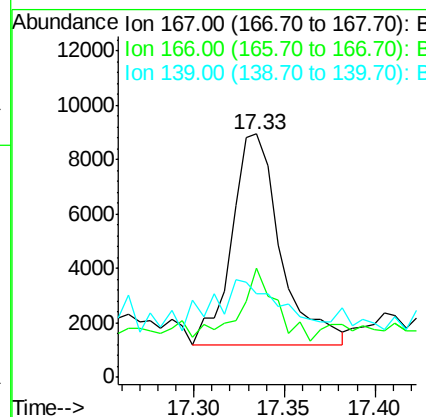
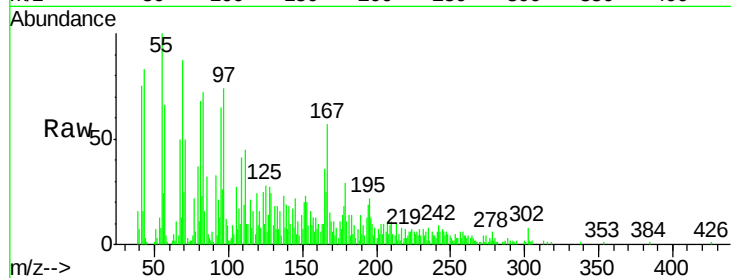




#75
 Carbazole
 Concen: 1.72 ng/ul
 RT: 17.33 min Scan# 2493
 Delta R.T. 0.02 min
 Lab File: BG018212.D
 Acq: 1 Aug 2015 9:53

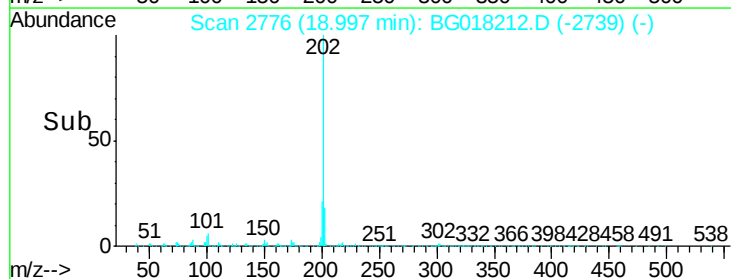
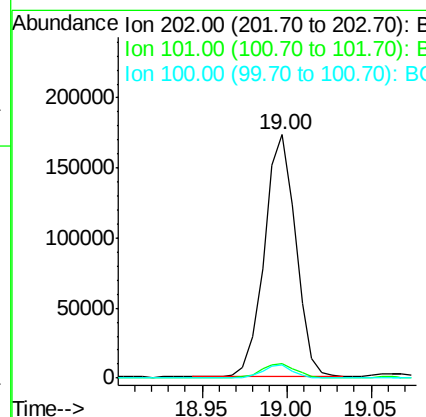
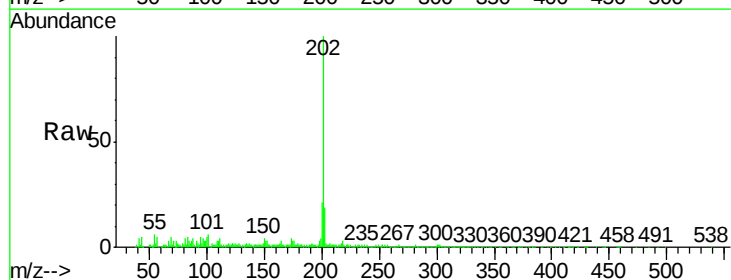
Instrument :
 BNA_G
 ClientSampled :

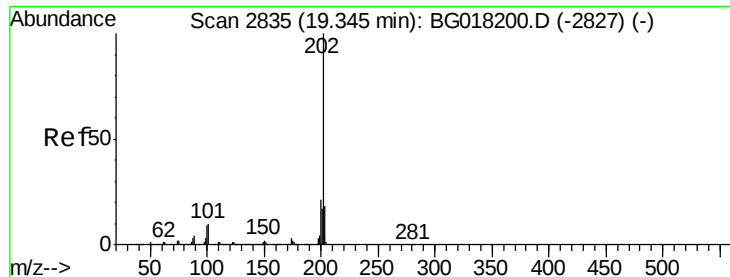
Tot Ion	167	Resp	14539
Ion Ratio	100	Lower	Upper
166	44.9	17.5	26.3#
139	34.4	10.1	15.1#



#77
 Fluoranthene
 Concen: 19.84 ng/ul
 RT: 19.00 min Scan# 2776
 Delta R.T. 0.02 min
 Lab File: BG018212.D
 Acq: 1 Aug 2015 9:53

Tgt Ion	202	Resp	222315
Ion Ratio	100	Lower	Upper
101	6.1	7.5	11.3#
100	5.3	5.5	8.3#





#80

Pvrene

Concen: 13.93 ng/ul

RT: 19.36 min Scan# 2838

Delta R.T. 0.02 min

Lab File: BG018212.D

Acq: 1 Aug 2015 9:53

Instrument :

BNA_G

ClientSampleId :

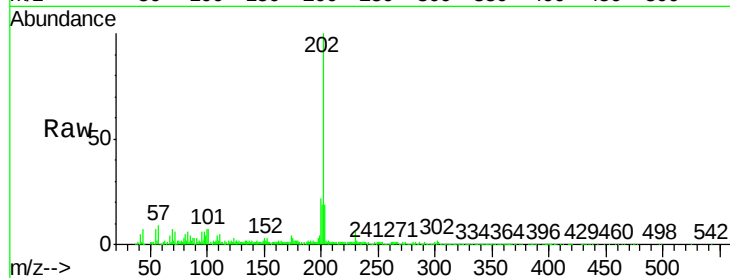
Tot Ion:202 Resp: 206297

Ion Ratio Lower Upper

202 100

101 7.4 8.1 12.1#

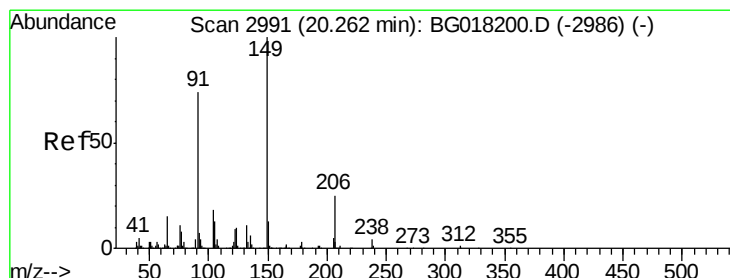
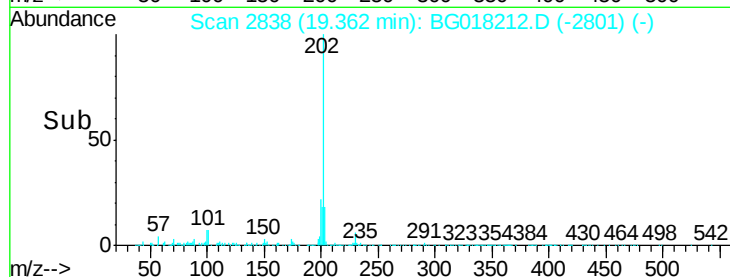
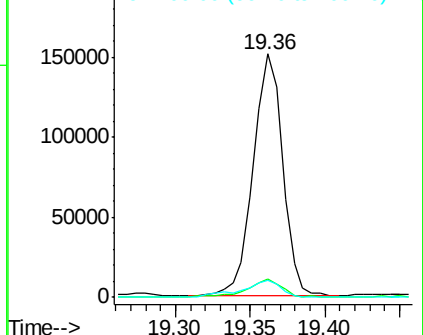
100 6.7 7.4 11.0#



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



#81

Butylbenzylphthalate

Concen: 1.32 ng/ul

RT: 20.27 min Scan# 2993

Delta R.T. 0.01 min

Lab File: BG018212.D

Acq: 1 Aug 2015 9:53

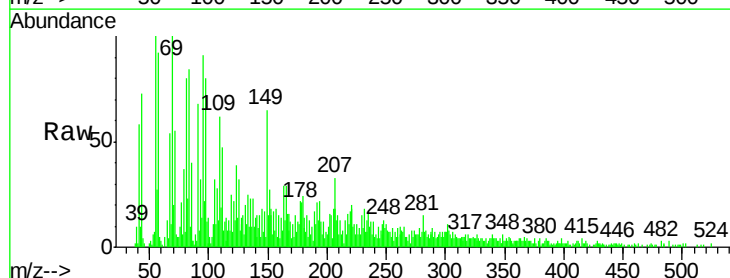
Tgt Ion:149 Resp: 7944

Ion Ratio Lower Upper

149 100

91 104.6 46.6 69.8#

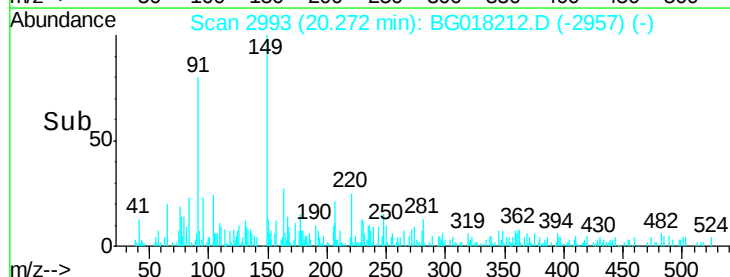
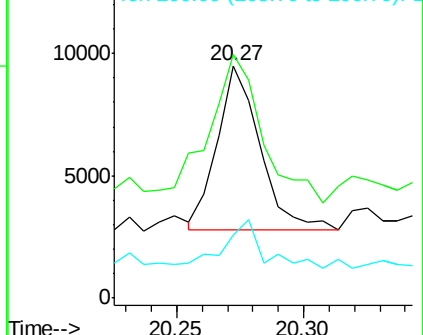
206 27.1 21.8 32.8

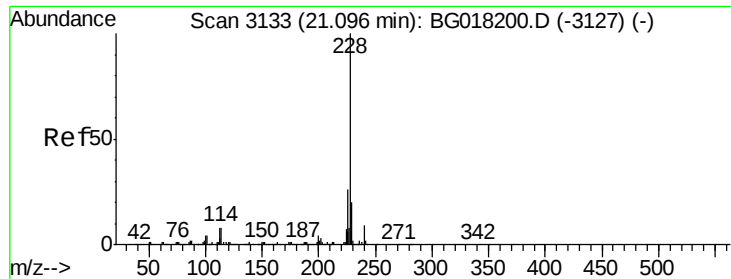


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E

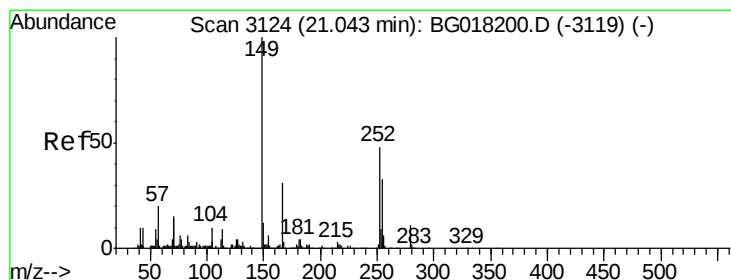
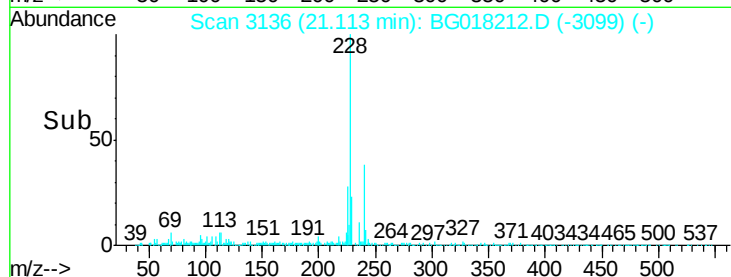
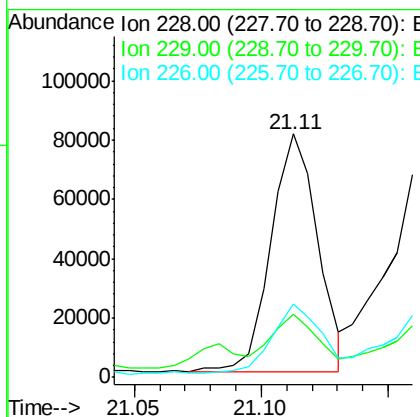
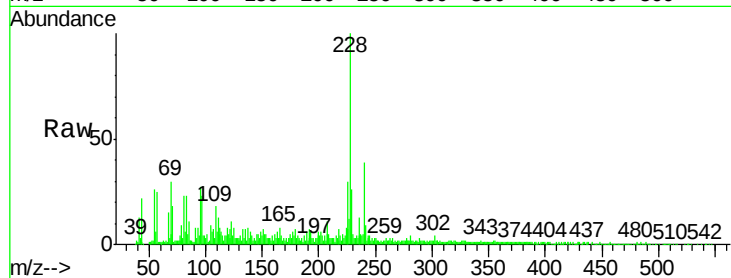




#83
Benzo(a)anthracene
Concen: 7.84 ng/ul
RT: 21.11 min Scan# 3136
Delta R.T. 0.02 min
Lab File: BG018212.D
Acq: 1 Aug 2015 9:53

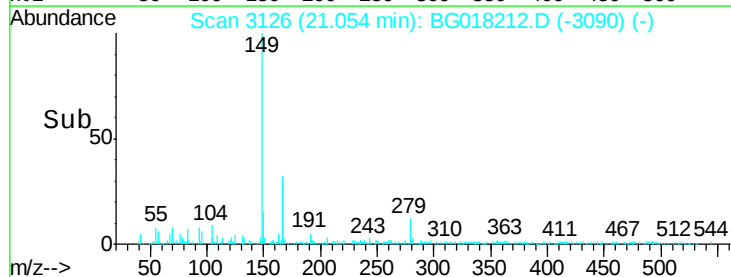
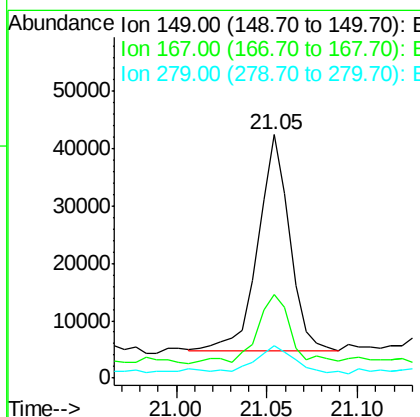
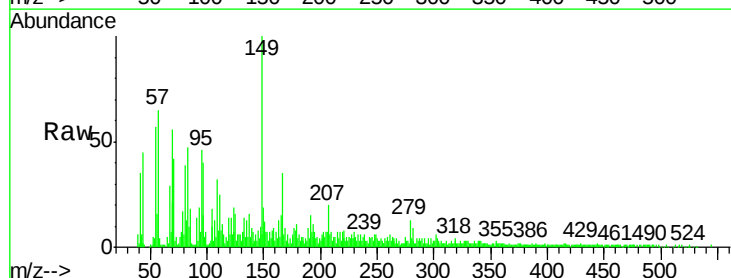
Instrument :
BNA_G
ClientSampleId :

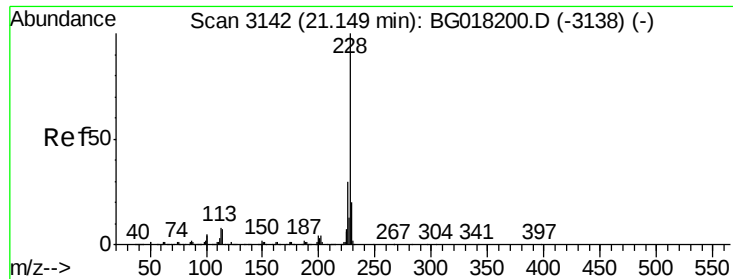
Tot Ion:228 Resp: 103036
Ion Ratio Lower Upper
228 100
229 26.1 16.5 24.7#
226 29.9 21.5 32.3



#84
Bis(2-ethylhexyl)phthalate
Concen: 5.60 ng/ul
RT: 21.05 min Scan# 3126
Delta R.T. 0.01 min
Lab File: BG018212.D
Acq: 1 Aug 2015 9:53

Tgt Ion:149 Resp: 45443
Ion Ratio Lower Upper
149 100
167 34.6 27.4 41.2
279 13.4 8.3 12.5#

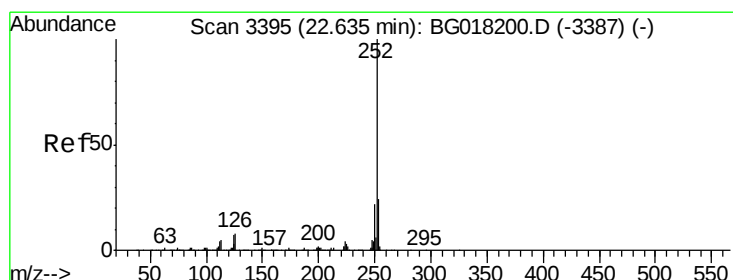
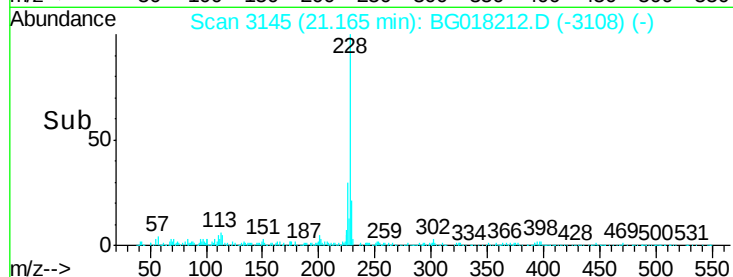
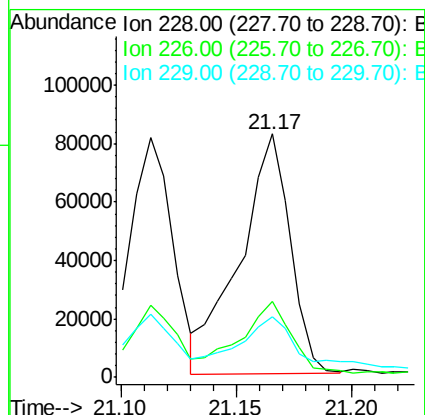
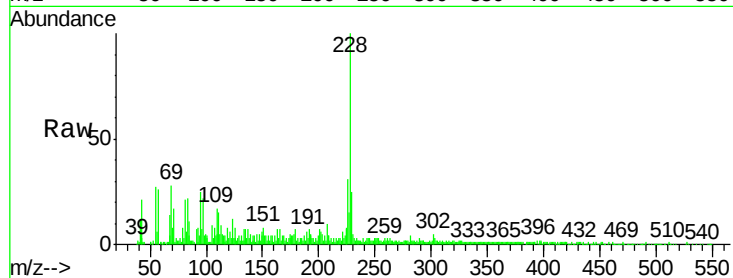




#85
 Chrysene
 Concen: 10.37 ng/ul
 RT: 21.17 min Scan# 3145
 Delta R.T. 0.02 min
 Lab File: BG018212.D
 Acq: 1 Aug 2015 9:53

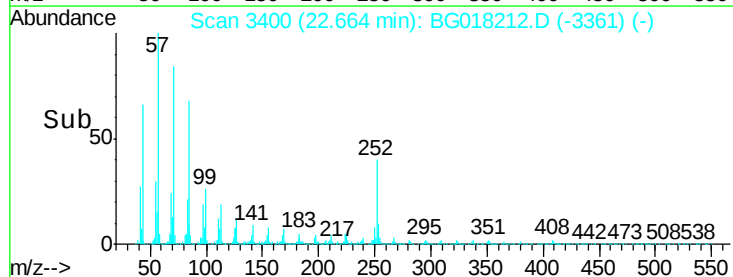
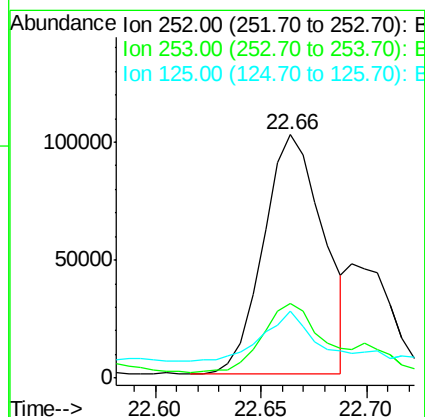
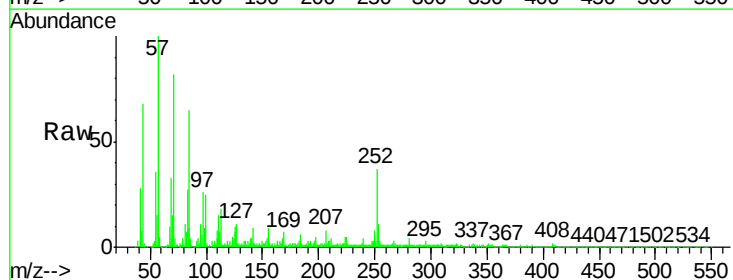
Instrument :
 BNA_G
 ClientSampleId :

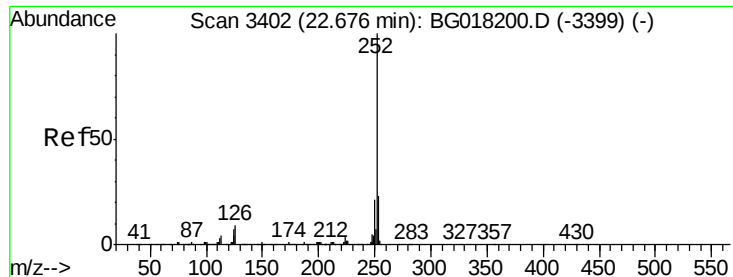
Tot Ion	Ratio	Lower	Upper
228	100		
226	31.4	22.7	34.1
229	24.8	16.2	24.2



#88
 Benzo(b)fluoranthene
 Concen: 12.52 ng/ul
 RT: 22.66 min Scan# 3400
 Delta R.T. 0.03 min
 Lab File: BG018212.D
 Acq: 1 Aug 2015 9:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	30.6	18.5	27.7
125	27.3	7.4	11.0

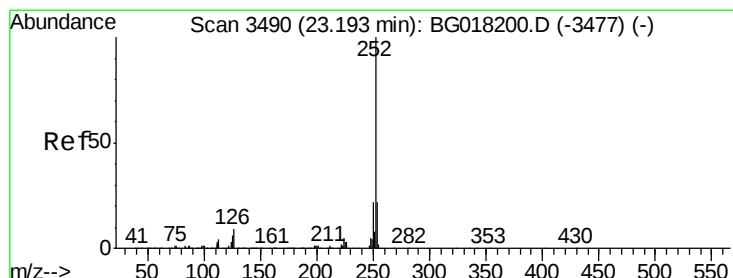
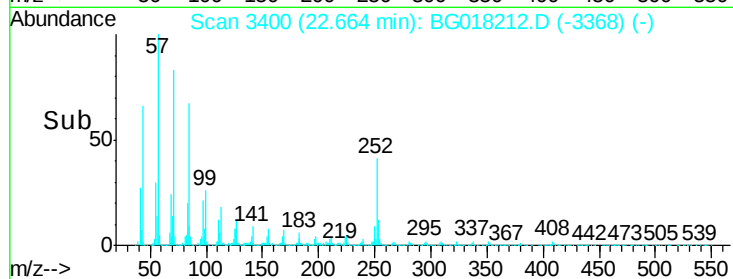
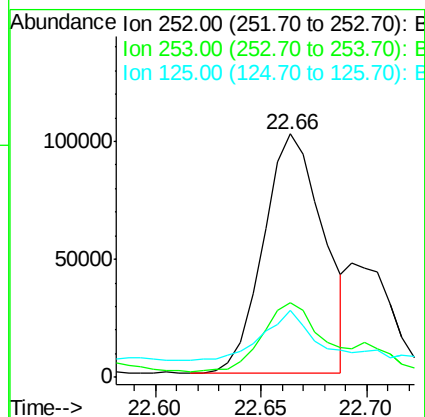
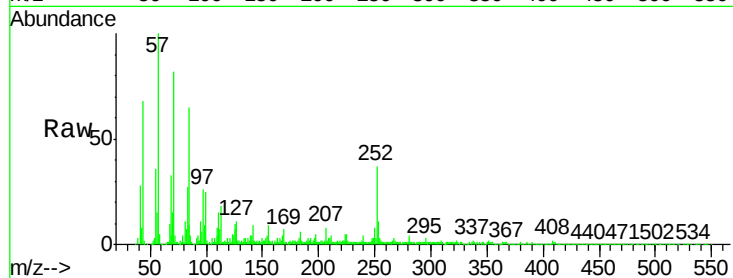




#89
Benzo(k)fluoranthene
Concen: 13.63 ng/ul
RT: 22.66 min Scan# 3400
Delta R.T. -0.01 min
Lab File: BG018212.D
Acq: 1 Aug 2015 9:53

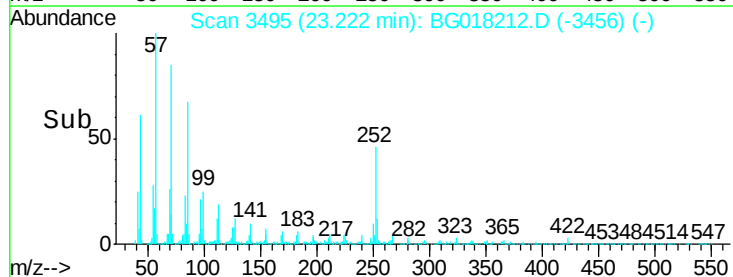
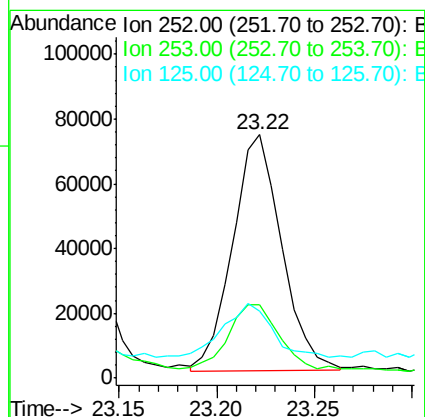
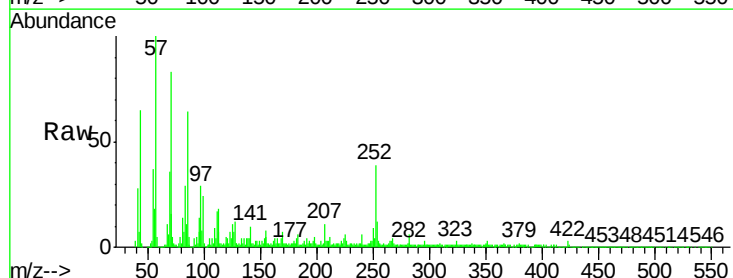
Instrument :
BNA_G
ClientSampleId :

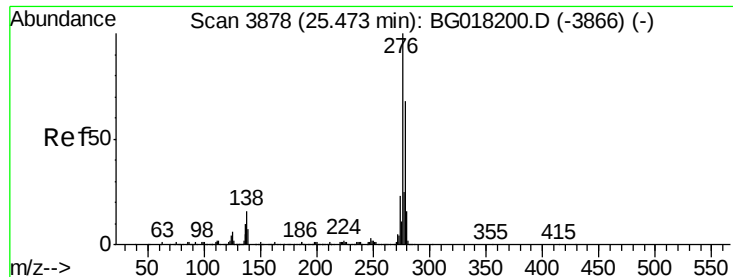
Tot Ion	Ratio	Lower	Upper
252	100		
253	30.6	18.2	27.2#
125	27.3	7.5	11.3#



#91
Benzo(a)pyrene
Concen: 8.89 ng/ul
RT: 23.22 min Scan# 3495
Delta R.T. 0.03 min
Lab File: BG018212.D
Acq: 1 Aug 2015 9:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	30.3	17.4	26.2#
125	27.5	7.3	10.9#





#92

Indeno(1,2,3-cd)pyrene

Concen: 4.14 ng/ul

RT: 25.52 min Scan# 3886

Delta R.T. 0.05 min

Lab File: BG018212.D

Acq: 1 Aug 2015 9:53

Instrument :

BNA_G

ClientSampleId :

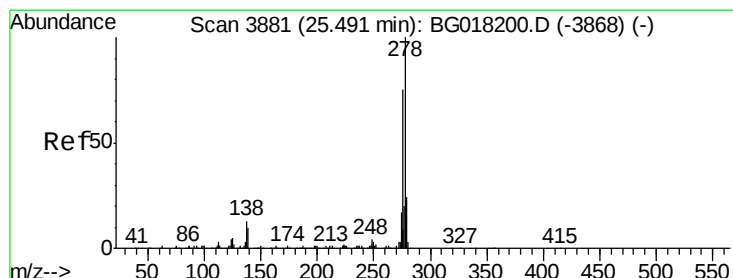
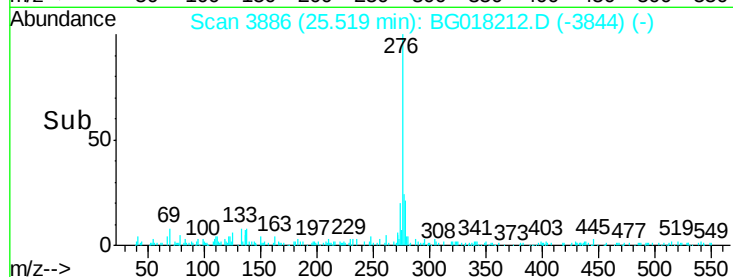
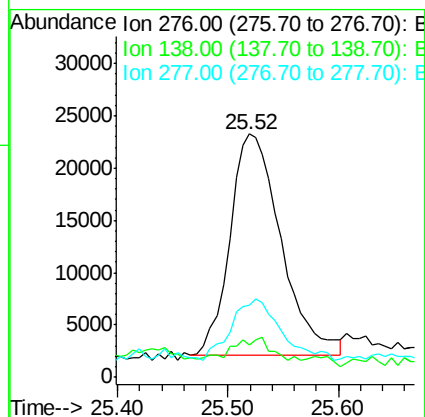
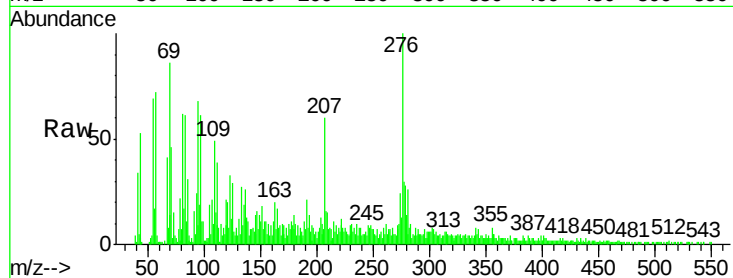
Tot Ion:276 Resp: 68570

Ion Ratio Lower Upper

276 100

138 13.2 17.2 25.8#

277 29.5 19.5 29.3#



#93

Dibenzo(a,h)anthracene

Concen: 1.33 ng/ul

RT: 25.53 min Scan# 3888

Delta R.T. 0.04 min

Lab File: BG018212.D

Acq: 1 Aug 2015 9:53

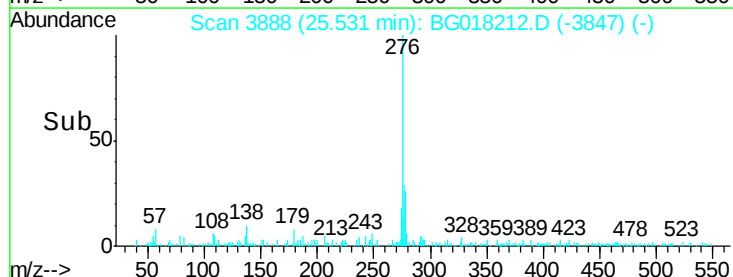
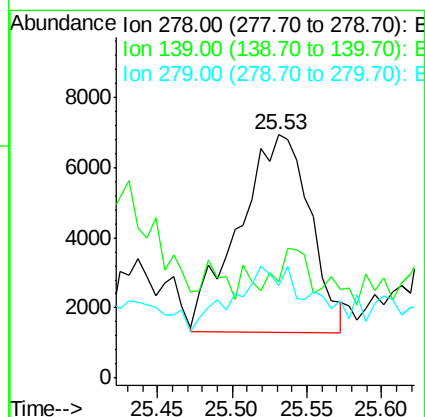
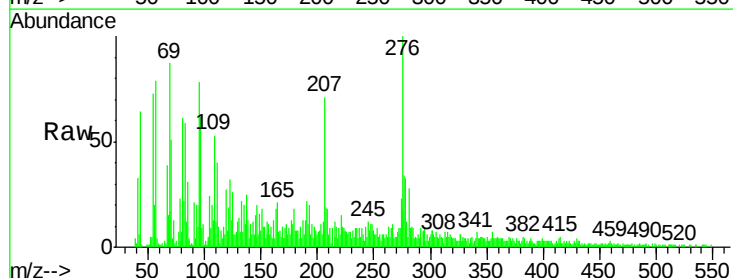
Tgt Ion:278 Resp: 18782

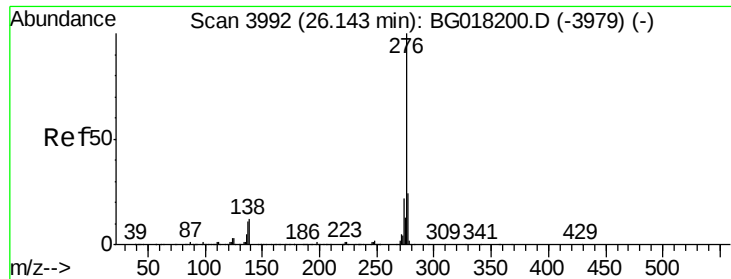
Ion Ratio Lower Upper

278 100

139 39.6 12.2 18.2#

279 38.0 20.0 30.0#





#94

Benzo(a,h,i)perylene

Concen: 4.02 ng/ul

RT: 26.21 min Scan# 4003

Delta R.T. 0.06 min

Lab File: BG018212.D

Acq: 1 Aug 2015 9:53

Instrument :

BNA_G

ClientSampleId :

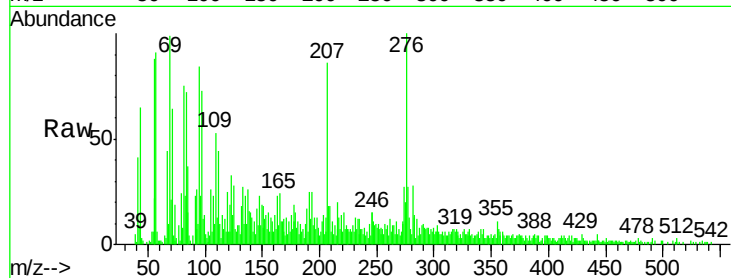
Tot Ion: 276 Resp: 54331

Ion Ratio Lower Upper

276 100

138 16.1 15.1 22.7

277 26.9 19.8 29.6



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

