

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081115\
 Data File : BG018380.D
 Acq On : 11 Aug 2015 14:13
 Operator : UM/MA
 Sample : G3109-13RE
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C01P9

Quant Time: Aug 12 00:59:28 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 12 00:54:17 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	95645	20.00	ng/ul	0.00
18) Naphthalene-d8	10.85	136	435769	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.67	164	236972	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.42	188	452101	20.00	ng/ul	0.00
78) Chrysene-d12	21.70	240	393174	20.00	ng/ul	0.02
86) Perylene-d12	24.99	264	392228	20.00	ng/ul	0.09

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.47	96	6053	2.80	ng/uL	0.00
5) Phenol-d5	7.20	99	151044	17.40	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.36	67	94618	17.59	ng/ul	0.00
9) 2-Chlorophenol-d4	7.57	132	122069	18.36	ng/ul	0.00
13) 4-Methylphenol-d8	8.74	113	123167	16.89	ng/ul	0.00
19) Nitrobenzene-d5	9.20	128	62754	18.47	ng/ul	0.00
22) 2-Nitrophenol-d4	9.92	143	65186	18.84	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.46	165	130383	17.76	ng/ul	0.00
29) 4-Chloroaniline-d4	10.97	131	61830	7.45	ng/ul	0.00
44) Dimethylphthalate-d6	14.07	166	369399	18.53	ng/ul	0.00
47) Acenaphthylene-d8	14.36	160	460436	18.34	ng/ul	0.00
52) 4-Nitrophenol-d4	14.85	143	39563	11.03	ng/ul	0.00
58) Fluorene-d10	15.66	176	298878	17.21	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.76	200	9656	4.34	ng/ul	0.00
71) Anthracene-d10	17.42	188	452101	20.91	ng/ul	-0.09
79) Pyrene-d10	19.81	212	366715	17.98	ng/ul	0.02
90) Benzo(a)pyrene-d12	24.75	264	359569	17.27	ng/ul	0.08

Target Compounds

						Qvalue
4) Benzaldehyde	7.19	77	11934	2.34	ng/ul#	1
14) Acetophenone	8.85	105	32226	3.06	ng/ul#	44
16) 4-Methylphenol	8.81	108	21457	2.86	ng/ul	79
17) Hexachloroethane	9.15	117	9474	3.24	ng/ul#	10
24) 2,4-Dimethylphenol	10.01	107	32975	3.83	ng/ul	91
28) Naphthalene	10.90	128	267072	11.59	ng/ul	98
34) 2-Methylnaphthalene	12.50	142	162678	9.75	ng/ul	90
35) 1-Methylnaphthalene	12.72	142	110888	6.81	ng/ul	93
41) 1,1'-Biphenyl	13.50	154	65566	3.32	ng/ul	96
45) Dimethylphthalate	14.11	163	146254	7.44	ng/ul#	95
50) Acenaphthene	14.73	153	174095	9.86	ng/ul	98
54) Dibenzofuran	15.07	168	155634	6.74	ng/ul	95
59) Fluorene	15.72	166	180990	9.11	ng/ul	98
65) N-Nitrosodiphenylamine	15.93	169	35756	2.63	ng/ul#	52
70) Phenanthrene	17.46	178	811838	33.10	ng/ul	98
72) Anthracene	17.46	178	816180	32.65	ng/ul	96
75) Carbazole	17.81	167	91019	4.15	ng/ul#	86
76) Di-n-butylphthalate	18.38	149	117533	4.11	ng/ul#	91
77) Fluoranthene	19.48	202	900880	34.39	ng/ul	100
80) Pyrene	19.84	202	815393	30.67	ng/ul	100
81) Butylbenzylphthalate	20.72	149	241711	21.49	ng/ul#	80
83) Benzo(a)anthracene	21.67	228	322633	13.23	ng/ul#	92
84) Bis(2-ethylhexyl)phthalate	21.59	149	2082358	131.06	ng/ul#	84

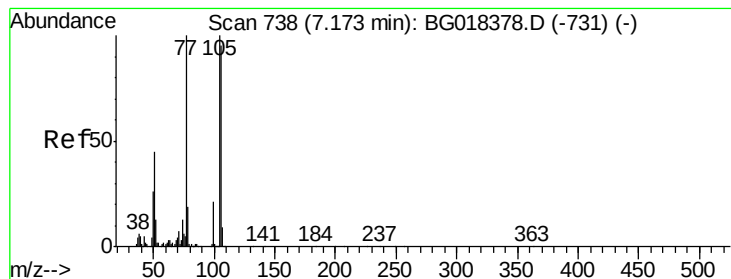
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081115\
Data File : BG018380.D
Acq On : 11 Aug 2015 14:13
Operator : UM/MA
Sample : G3109-13RE
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C01P9

Quant Time: Aug 12 00:59:28 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Aug 12 00:54:17 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
85) Chrysene	21.75	228	333316	14.62	ng/ul#	92
87) Di-n-octyl phthalate	22.86	149	49750	1.97	ng/ul	100
88) Benzo(b)fluoranthene	23.94	252	407758	16.55	ng/ul#	35
91) Benzo(a)pyrene	24.82	252	267382	11.41	ng/ul#	9
93) Dibenzo(a,h)anthracene	28.77	278	25551	1.13	ng/ul#	1

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



#4

Benzaldehyde

Concen: 2.34 ng/ul

RT: 7.19 min Scan# 741

Delta R.T. 0.02 min

Lab File: BG018380.D

Acq: 11 Aug 2015 14:13

Instrument :

BNA_G

ClientSampleId :

C01P9

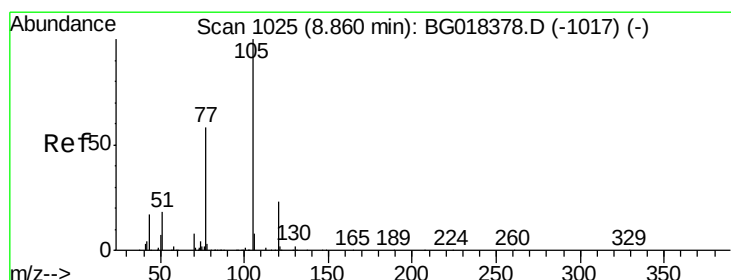
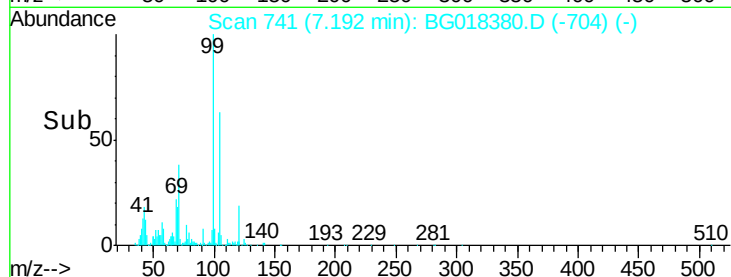
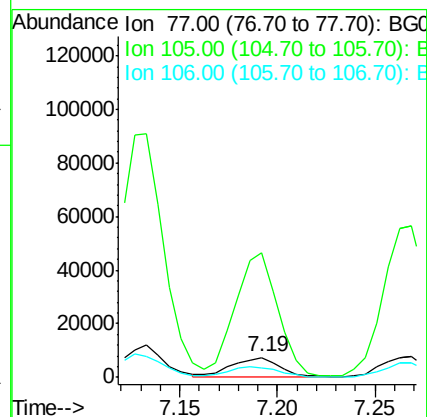
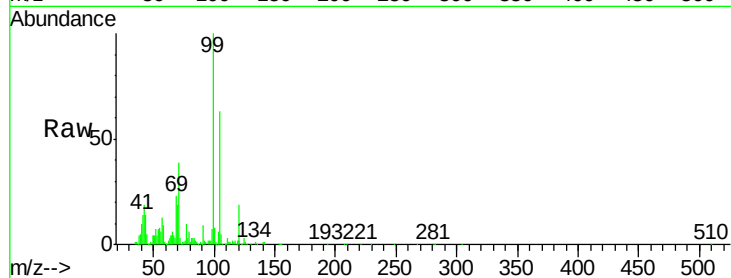
Tgt Ion: 77 Resp: 11934

Ion Ratio Lower Upper

77 100

105 632.1 78.2 117.2#

106 47.7 76.8 115.2#



#14

Acetophenone

Concen: 3.06 ng/ul

RT: 8.85 min Scan# 1023

Delta R.T. -0.01 min

Lab File: BG018380.D

Acq: 11 Aug 2015 14:13

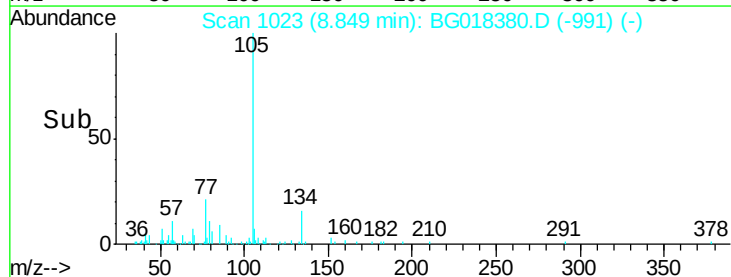
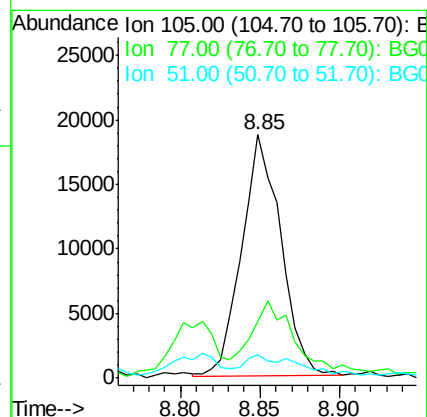
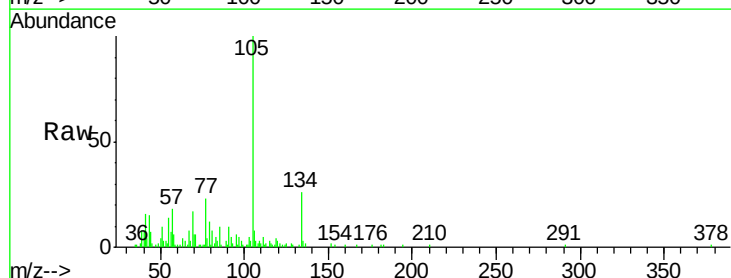
Tgt Ion: 105 Resp: 32226

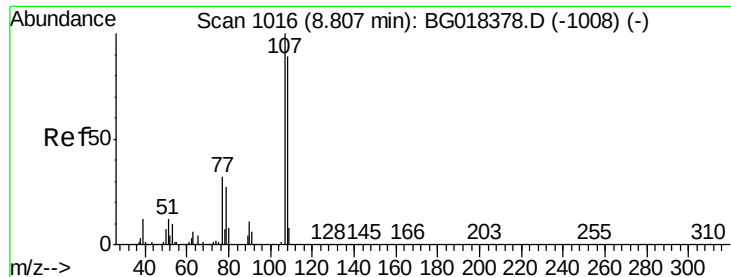
Ion Ratio Lower Upper

105 100

77 23.1 61.9 92.9#

51 9.5 25.5 38.3#

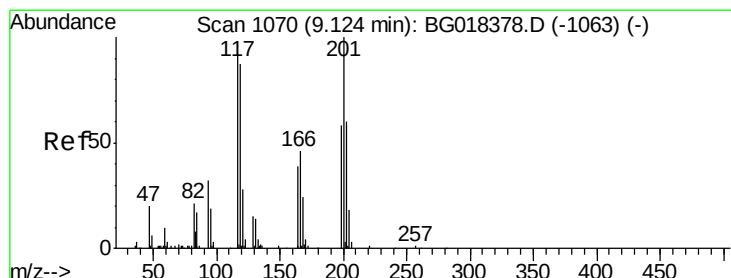
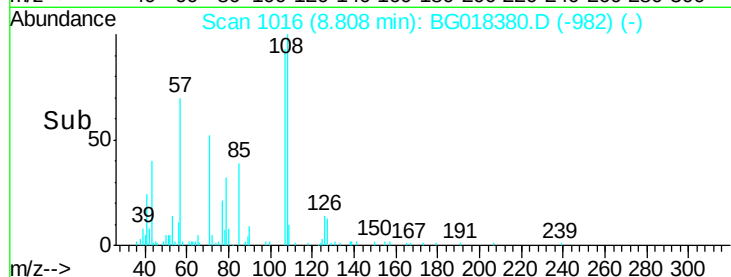
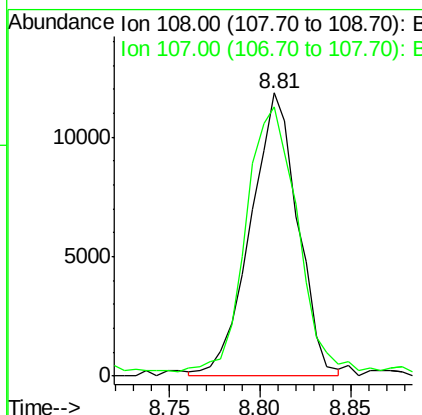
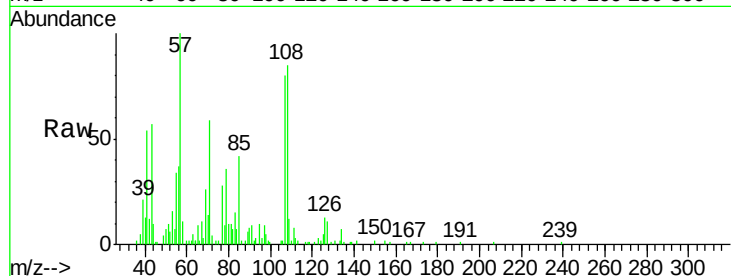




#16
4-Methylphenol
Concen: 2.86 ng/ul
RT: 8.81 min Scan# 1016
Delta R.T. 0.00 min
Lab File: BG018380.D
Acq: 11 Aug 2015 14:13

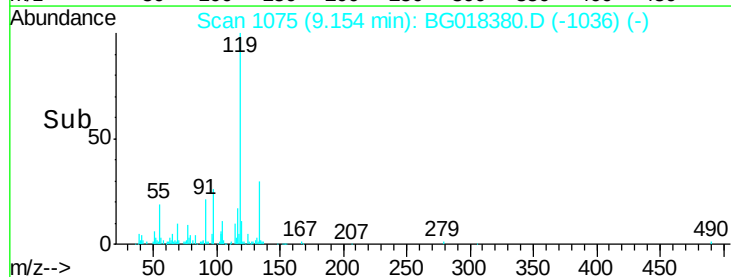
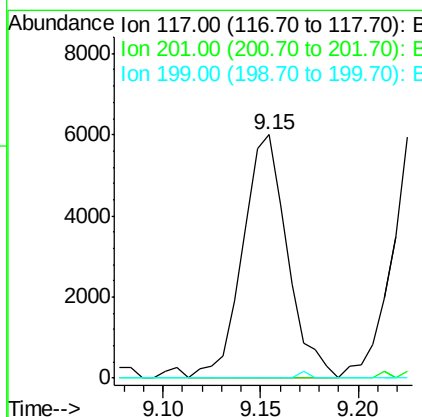
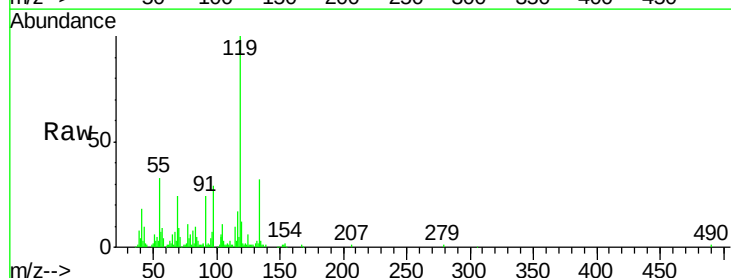
Instrument :
BNA_G
ClientSampleId :
C01P9

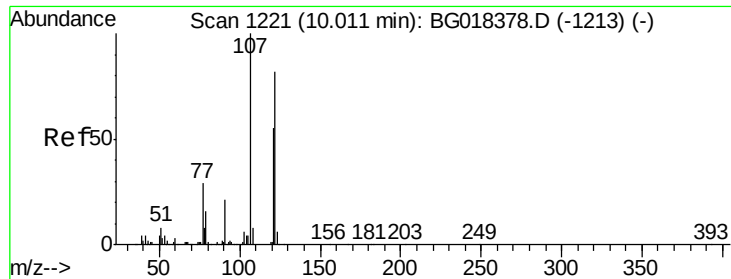
Tgt Ion:108 Resp: 21457
Ion Ratio Lower Upper
108 100
107 95.0 94.6 142.0



#17
Hexachloroethane
Concen: 3.24 ng/ul
RT: 9.15 min Scan# 1075
Delta R.T. 0.03 min
Lab File: BG018380.D
Acq: 11 Aug 2015 14:13

Tgt Ion:117 Resp: 9474
Ion Ratio Lower Upper
117 100
201 0.0 73.6 110.4#
199 0.0 48.6 72.8#

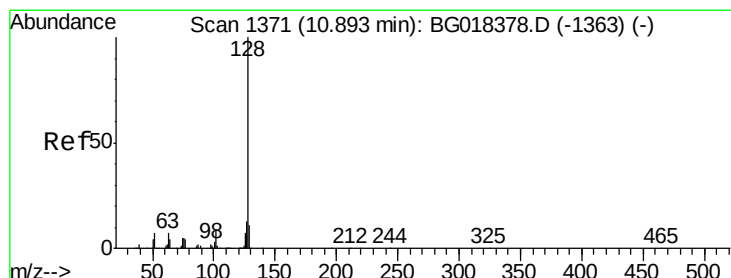
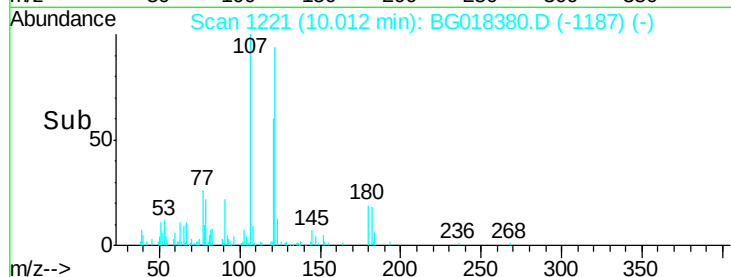
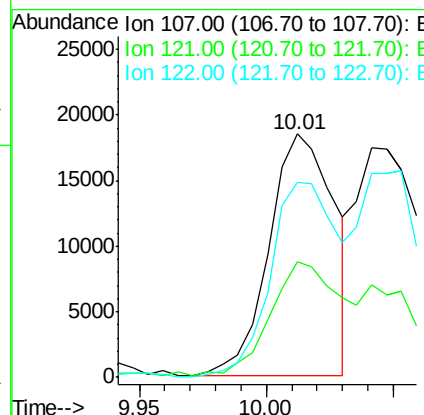
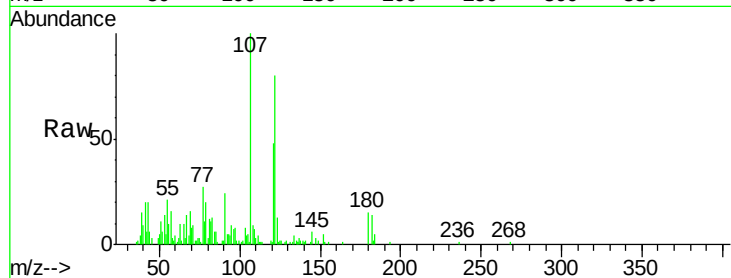




#24
2,4-Dimethylphenol
Concen: 3.83 ng/ul
RT: 10.01 min Scan# 1221
Delta R.T. 0.00 min
Lab File: BG018380.D
Acq: 11 Aug 2015 14:13

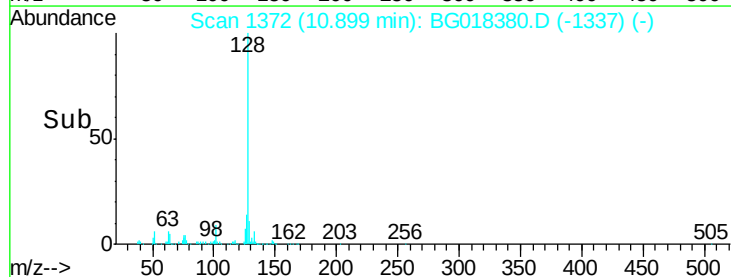
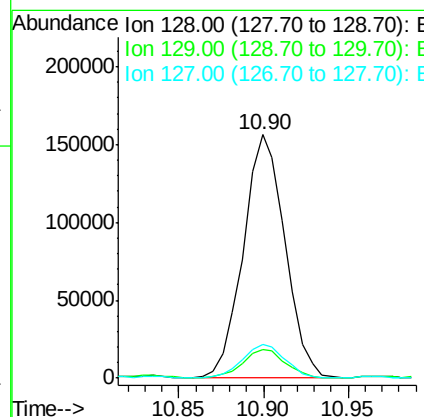
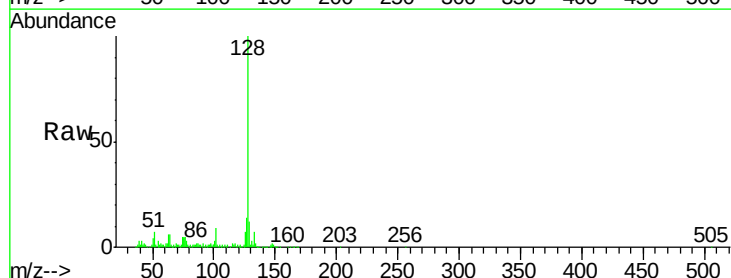
Instrument :
BNA_G
ClientSampleId :
C01P9

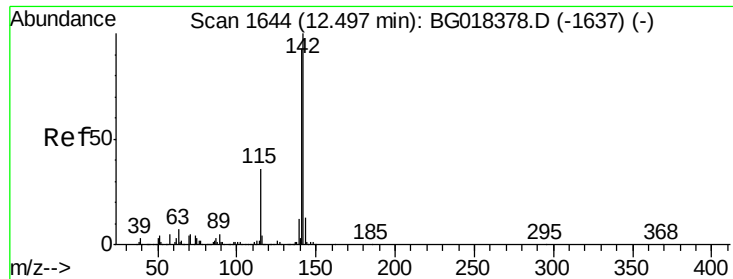
Tgt Ion:107 Resp: 32975
Ion Ratio Lower Upper
107 100
121 47.7 41.3 61.9
122 80.2 71.9 107.9



#28
Naphthalene
Concen: 11.59 ng/ul
RT: 10.90 min Scan# 1372
Delta R.T. 0.01 min
Lab File: BG018380.D
Acq: 11 Aug 2015 14:13

Tgt Ion:128 Resp: 267072
Ion Ratio Lower Upper
128 100
129 11.6 9.6 14.4
127 13.9 10.5 15.7

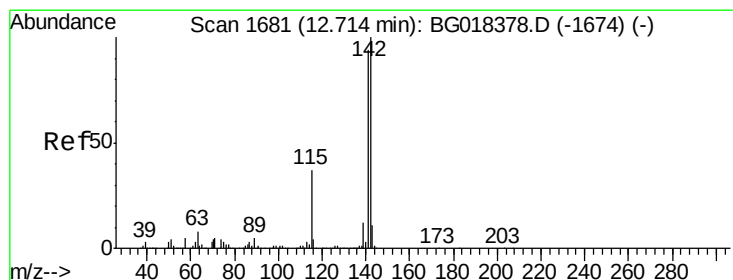
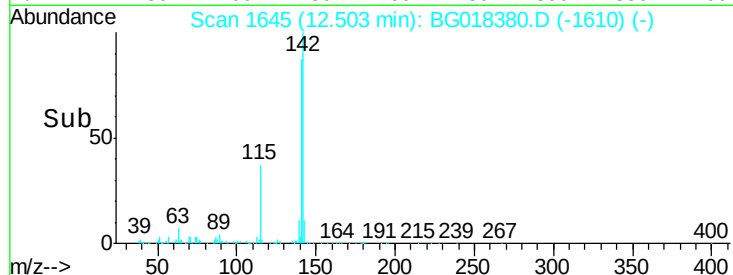
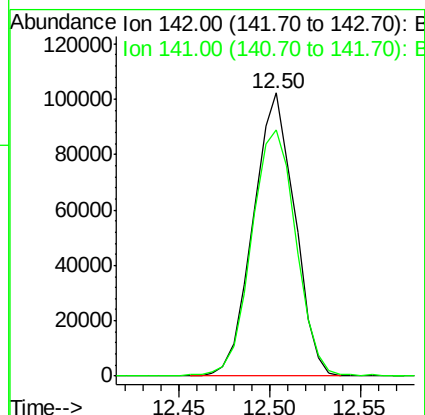
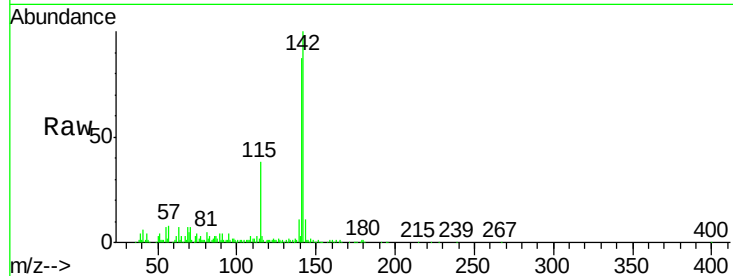




#34
 2-Methylnaphthalene
 Concen: 9.75 ng/ul
 RT: 12.50 min Scan# 1645
 Delta R.T. 0.01 min
 Lab File: BG018380.D
 Acq: 11 Aug 2015 14:13

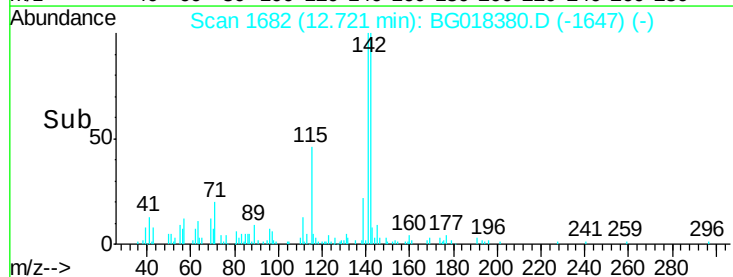
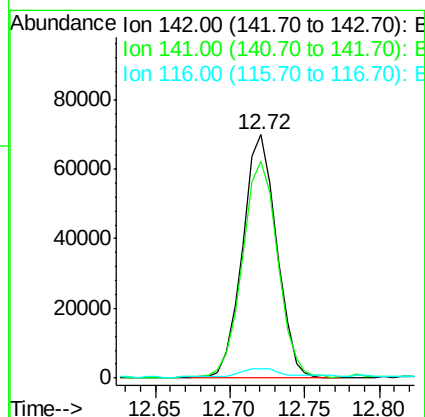
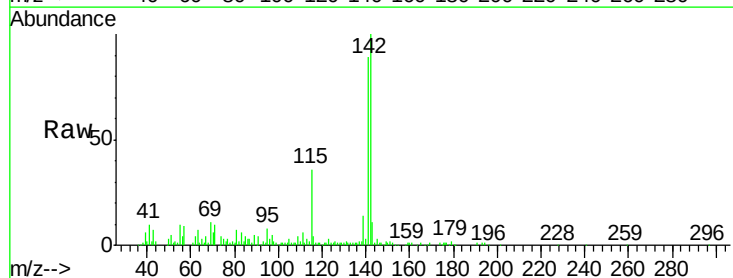
Instrument :
 BNA_G
 ClientSampleId :
 C01P9

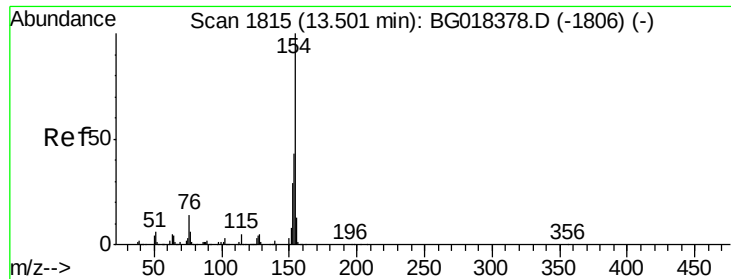
Tgt Ion:142 Resp: 162678
 Ion Ratio Lower Upper
 142 100
 141 87.2 78.0 117.0



#35
 1-Methylnaphthalene
 Concen: 6.81 ng/ul
 RT: 12.72 min Scan# 1682
 Delta R.T. 0.01 min
 Lab File: BG018380.D
 Acq: 11 Aug 2015 14:13

Tgt Ion:142 Resp: 110888
 Ion Ratio Lower Upper
 142 100
 141 89.2 77.1 115.7
 116 3.7 3.5 5.3

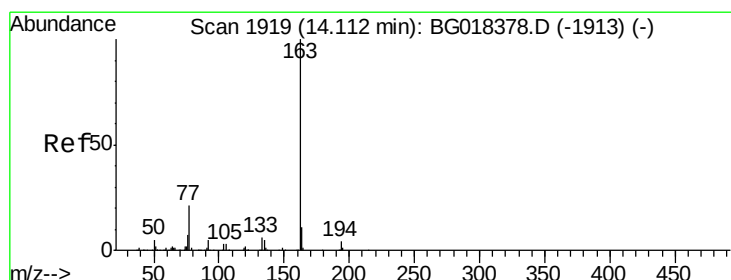
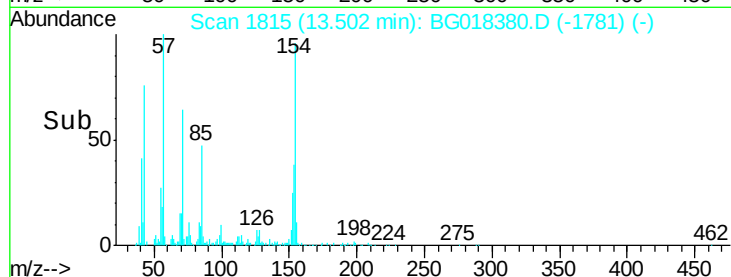
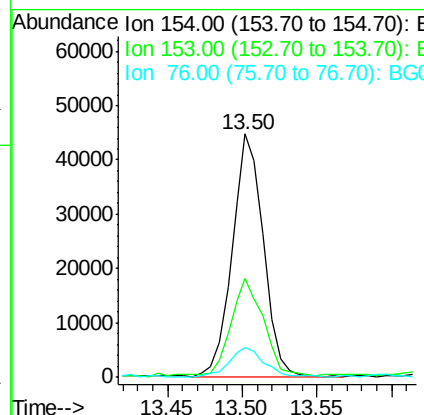
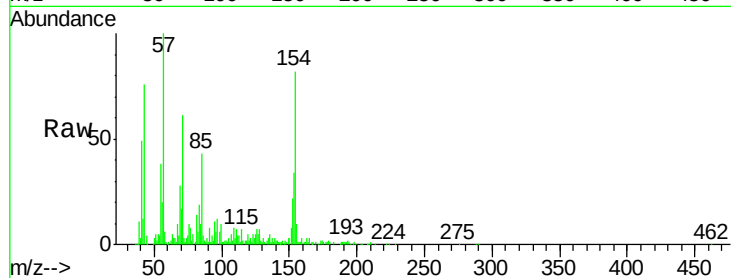




#41
1,1'-Biphenyl
Concen: 3.32 ng/ul
RT: 13.50 min Scan# 1815
Delta R.T. 0.00 min
Lab File: BG018380.D
Acq: 11 Aug 2015 14:13

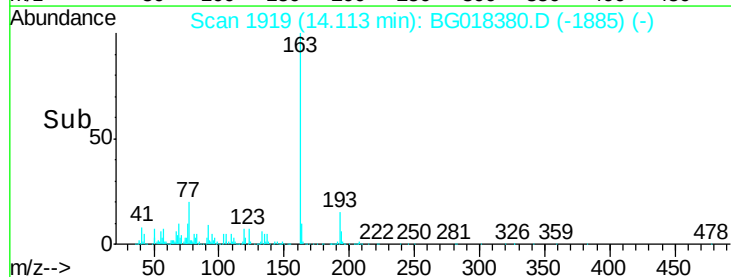
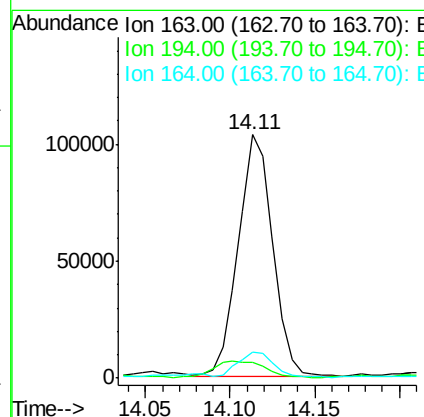
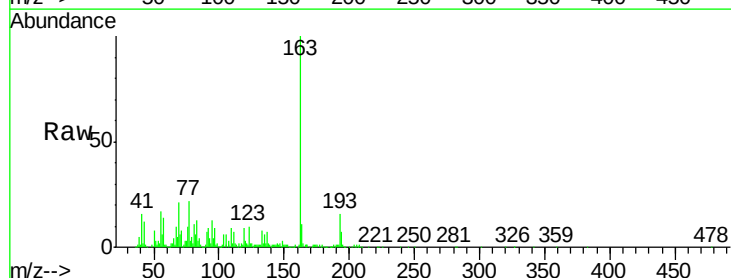
Instrument :
BNA_G
ClientSampleId :
C01P9

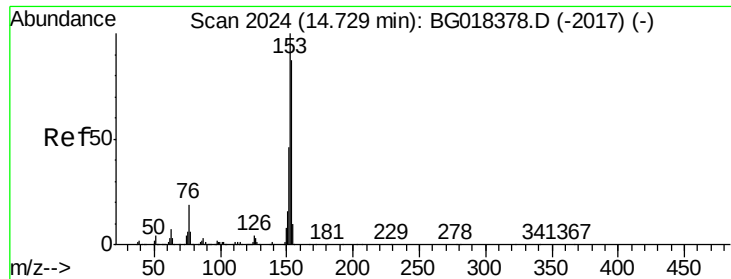
Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.8	35.2	52.8
76	12.3	10.6	16.0



#45
Dimethylphthalate
Concen: 7.44 ng/ul
RT: 14.11 min Scan# 1919
Delta R.T. 0.00 min
Lab File: BG018380.D
Acq: 11 Aug 2015 14:13

Tgt Ion	Ratio	Lower	Upper
163	100		
194	6.7	2.9	4.3#
164	10.8	7.7	11.5





#50

Acenaphthene

Concen: 9.86 ng/ul

RT: 14.73 min Scan# 2024

Delta R.T. 0.00 min

Lab File: BG018380.D

Acq: 11 Aug 2015 14:13

Instrument :

BNA_G

ClientSampleId :

C01P9

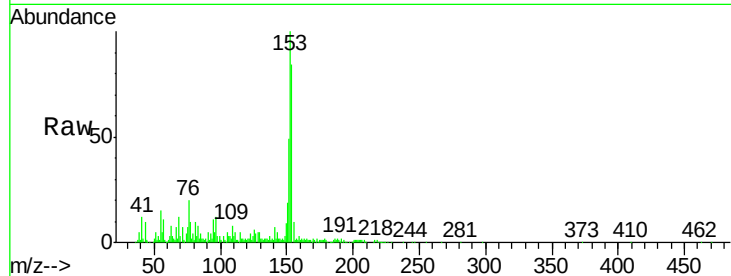
Tgt Ion:153 Resp: 174095

Ion Ratio Lower Upper

153 100

152 49.3 38.2 57.4

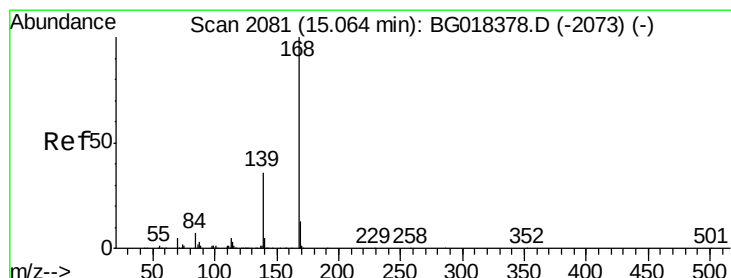
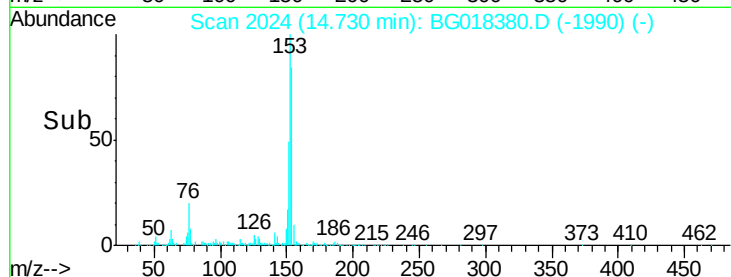
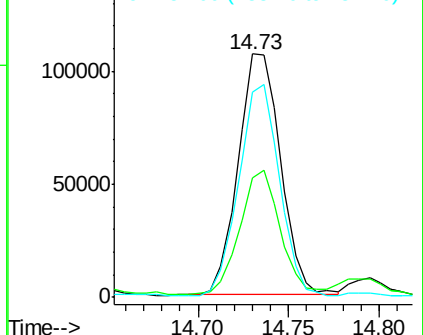
154 84.3 68.6 103.0



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: 6.74 ng/ul

RT: 15.07 min Scan# 2081

Delta R.T. 0.00 min

Lab File: BG018380.D

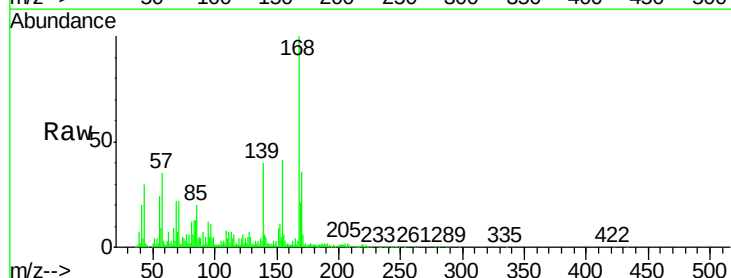
Acq: 11 Aug 2015 14:13

Tgt Ion:168 Resp: 155634

Ion Ratio Lower Upper

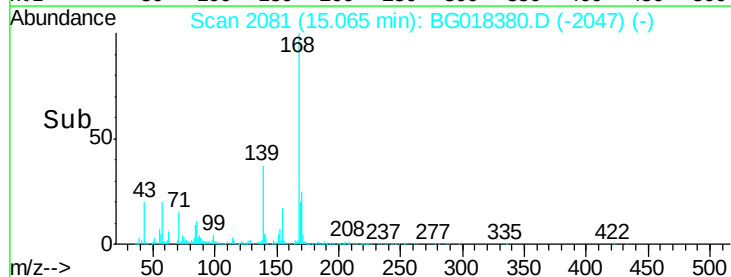
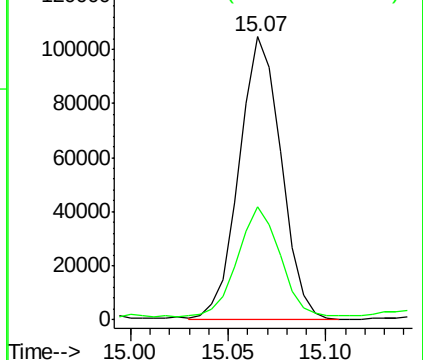
168 100

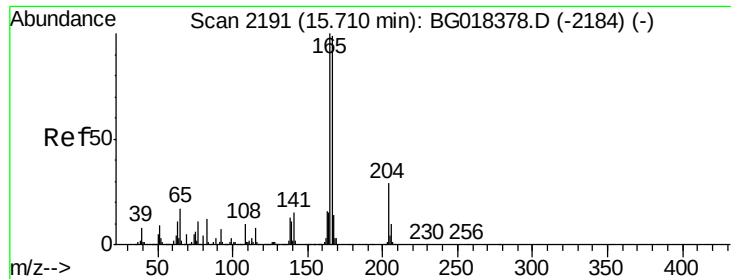
139 40.1 29.7 44.5



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#59

Fluorene

Concen: 9.11 ng/ul

RT: 15.72 min Scan# 2192

Delta R.T. 0.01 min

Lab File: BG018380.D

Acq: 11 Aug 2015 14:13

Instrument :

BNA_G

ClientSampleId :

C01P9

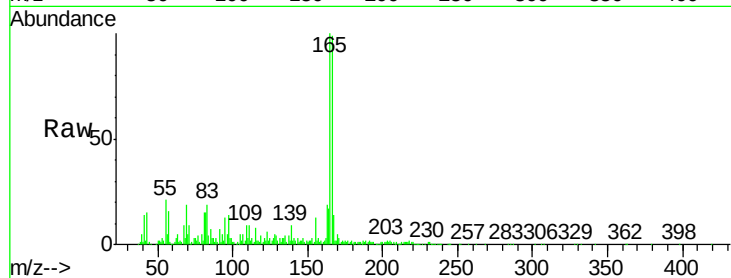
Tgt Ion:166 Resp: 180990

Ion Ratio Lower Upper

166 100

165 101.3 82.6 124.0

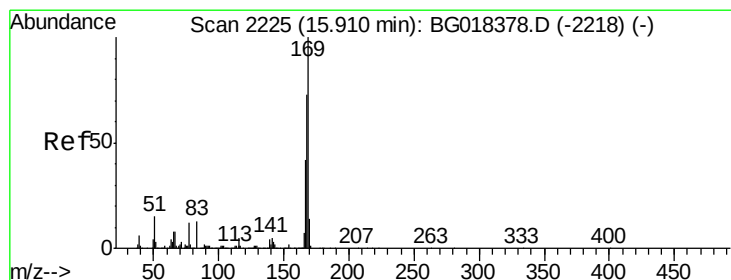
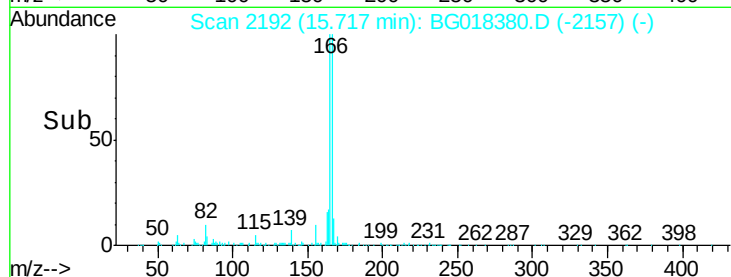
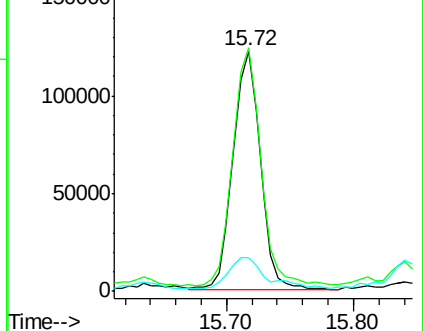
167 14.1 11.4 17.0



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#65

N-Nitrosodiphenylamine

Concen: 2.63 ng/ul

RT: 15.93 min Scan# 2228

Delta R.T. 0.02 min

Lab File: BG018380.D

Acq: 11 Aug 2015 14:13

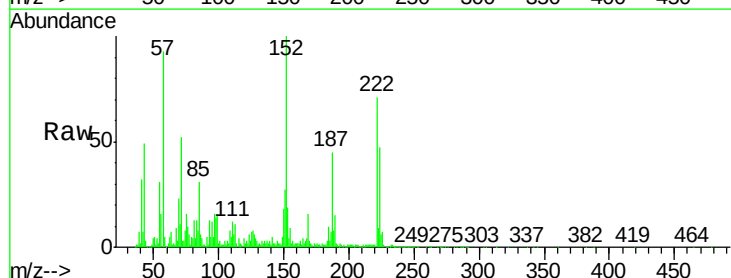
Tgt Ion:169 Resp: 35756

Ion Ratio Lower Upper

169 100

168 27.7 60.2 90.2#

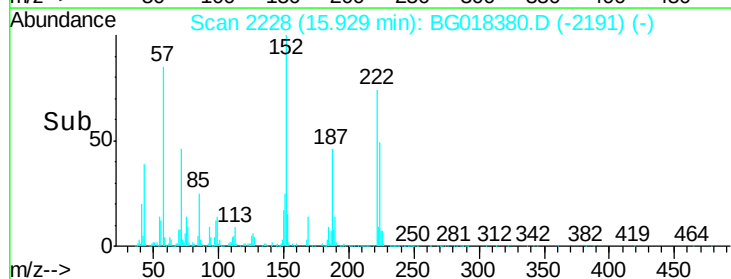
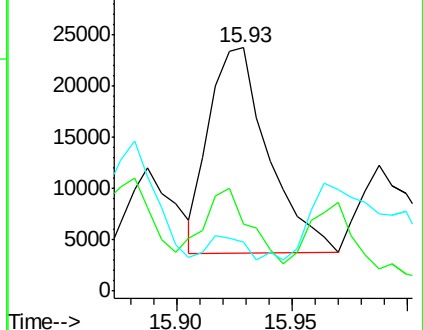
167 20.3 33.4 50.2#

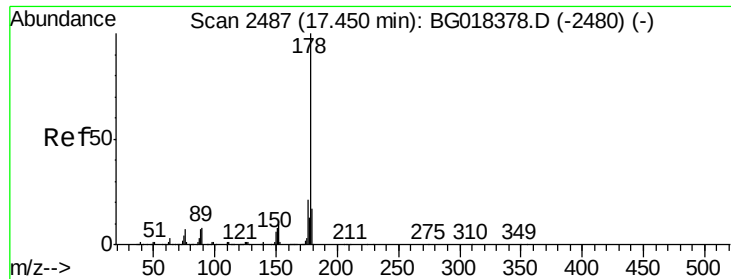


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#70

Phenanthrene

Concen: 33.10 ng/ul

RT: 17.46 min Scan# 2489

Delta R.T. 0.01 min

Lab File: BG018380.D

Acq: 11 Aug 2015 14:13

Instrument :

BNA_G

ClientSampleId :

C01P9

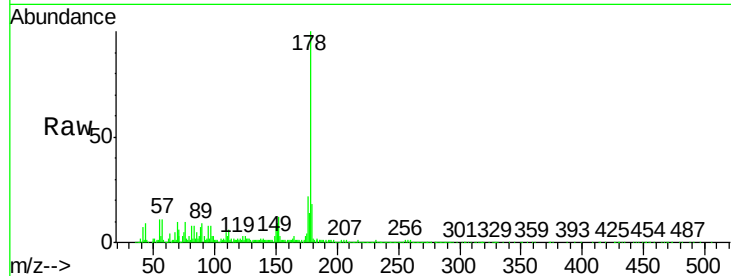
Tgt Ion:178 Resp: 811838

Ion Ratio Lower Upper

178 100

179 17.8 13.7 20.5

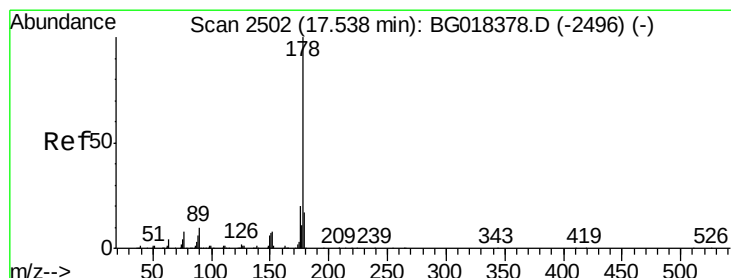
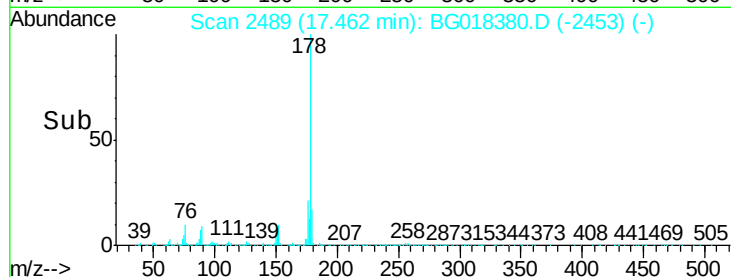
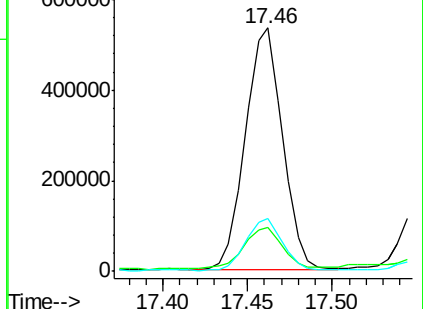
176 21.7 16.6 24.8



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



#72

Anthracene

Concen: 32.65 ng/ul

RT: 17.46 min Scan# 2489

Delta R.T. -0.08 min

Lab File: BG018380.D

Acq: 11 Aug 2015 14:13

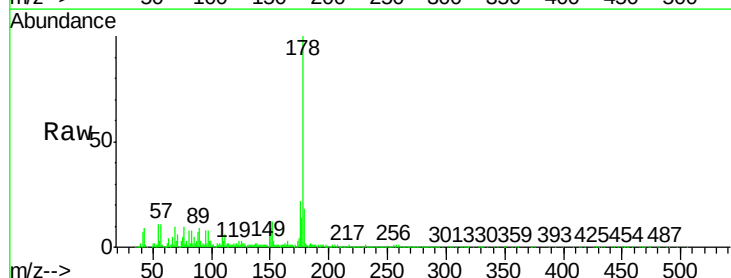
Tgt Ion:178 Resp: 816180

Ion Ratio Lower Upper

178 100

179 17.8 13.0 19.4

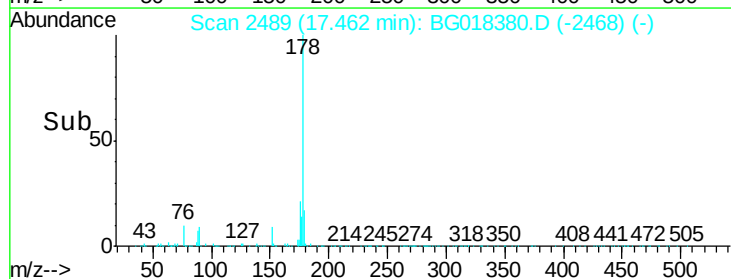
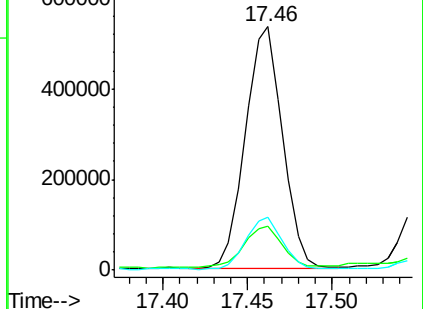
176 21.7 16.0 24.0

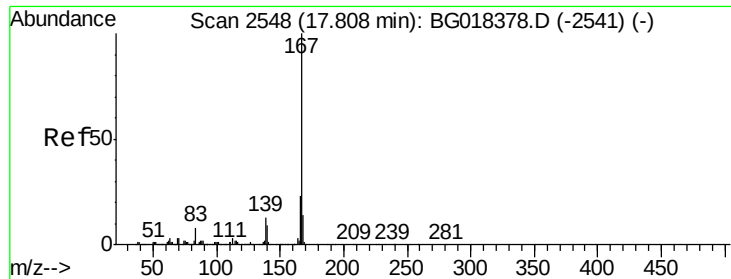


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#75

Carbazole

Concen: 4.15 ng/ul

RT: 17.81 min Scan# 2549

Delta R.T. 0.01 min

Lab File: BG018380.D

Acq: 11 Aug 2015 14:13

Instrument :

BNA_G

ClientSampleId :

C01P9

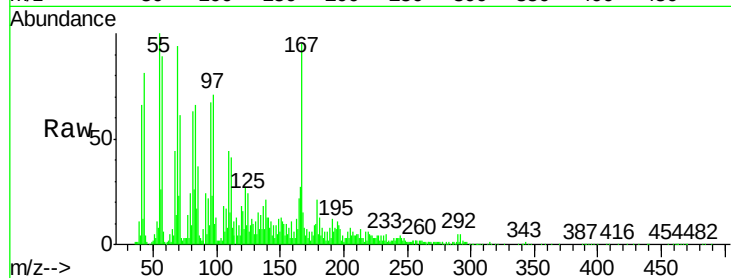
Tgt Ion:167 Resp: 91019

Ion Ratio Lower Upper

167 100

166 28.6 18.9 28.3#

139 21.5 10.1 15.1#

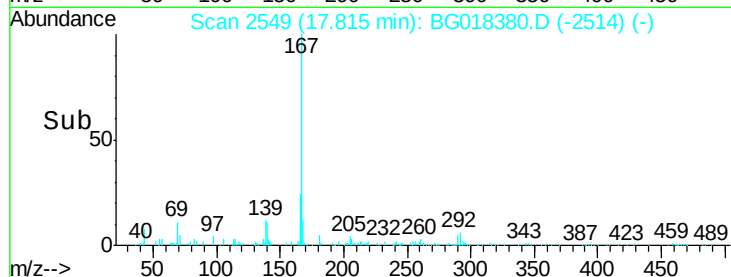


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

Time-->



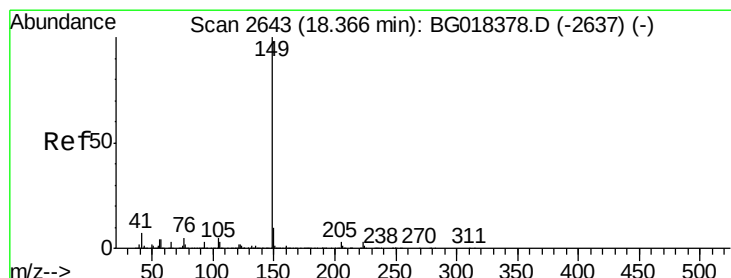
Abundance

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

Time-->



#76

Di-n-butylphthalate

Concen: 4.11 ng/ul

RT: 18.38 min Scan# 2646

Delta R.T. 0.02 min

Lab File: BG018380.D

Acq: 11 Aug 2015 14:13

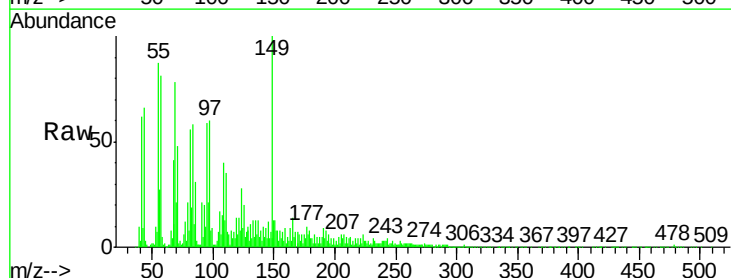
Tgt Ion:149 Resp: 117533

Ion Ratio Lower Upper

149 100

150 13.3 7.5 11.3#

104 7.0 4.3 6.5#

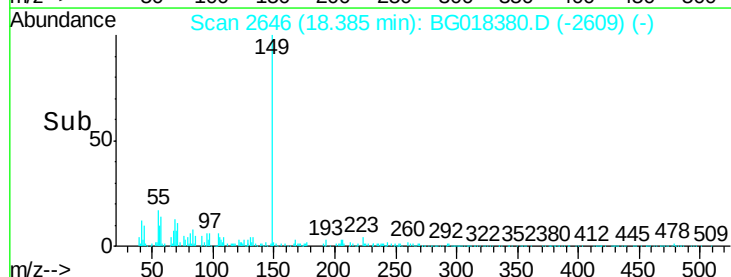


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

Time-->



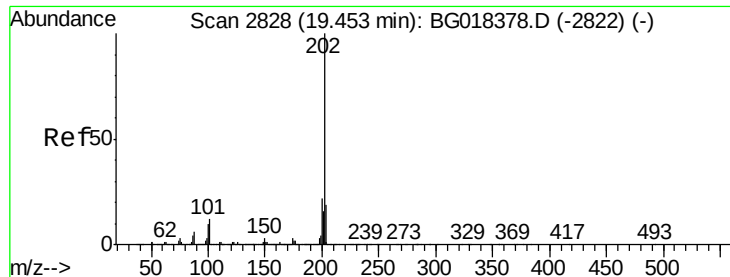
Abundance

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

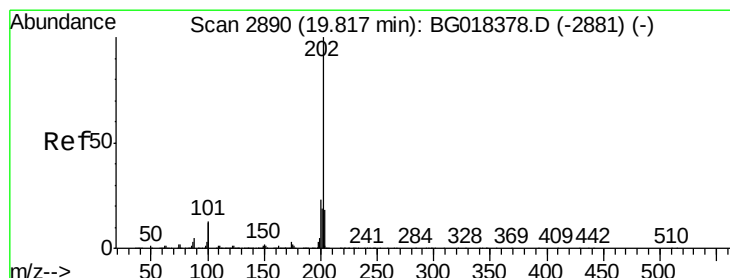
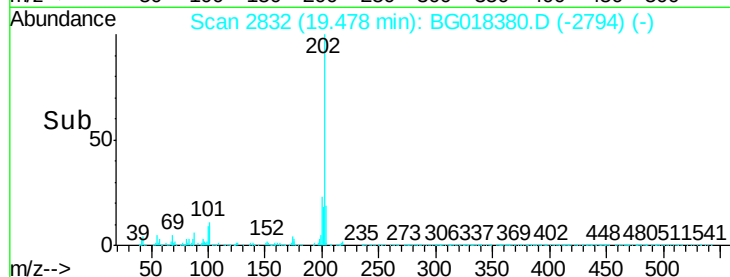
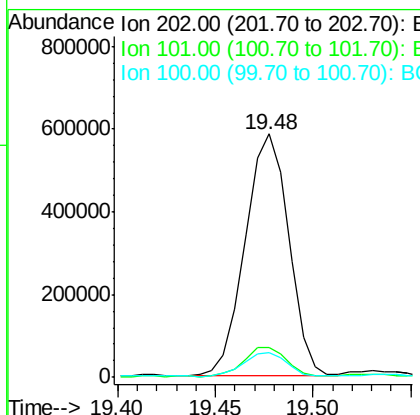
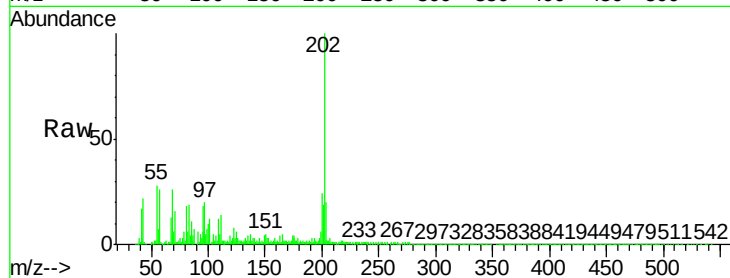
Time-->



#77
Fluoranthene
Concen: 34.39 ng/ul
RT: 19.48 min Scan# 2832
Delta R.T. 0.02 min
Lab File: BG018380.D
Acq: 11 Aug 2015 14:13

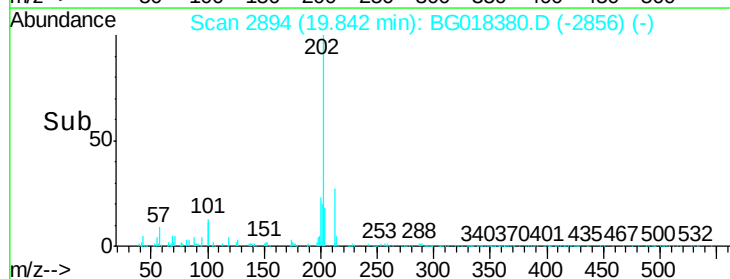
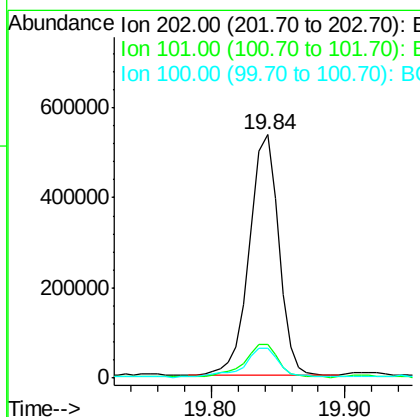
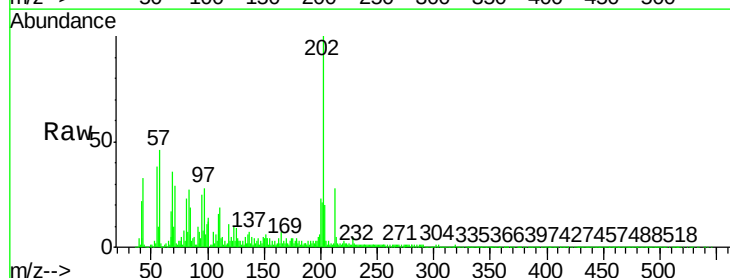
Instrument :
BNA_G
ClientSampleId :
C01P9

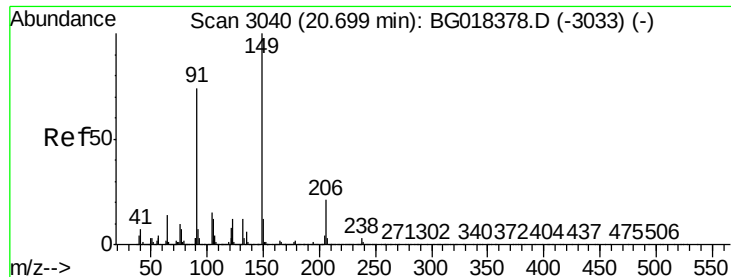
Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.1	9.7	14.5
100	10.1	7.8	11.8



#80
Pyrene
Concen: 30.67 ng/ul
RT: 19.84 min Scan# 2894
Delta R.T. 0.02 min
Lab File: BG018380.D
Acq: 11 Aug 2015 14:13

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.9	11.0	16.4
100	12.2	9.8	14.6

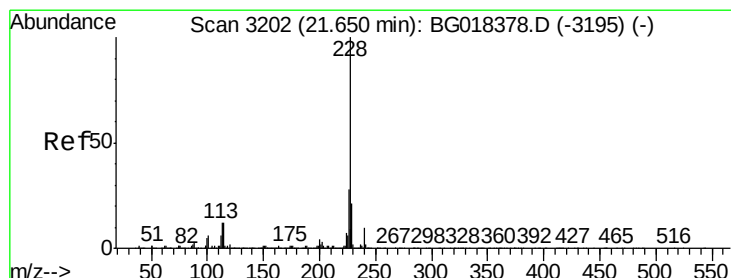
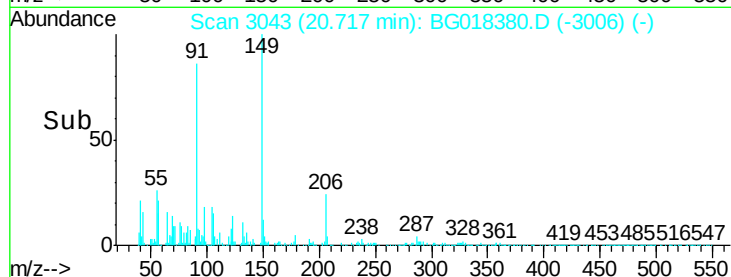
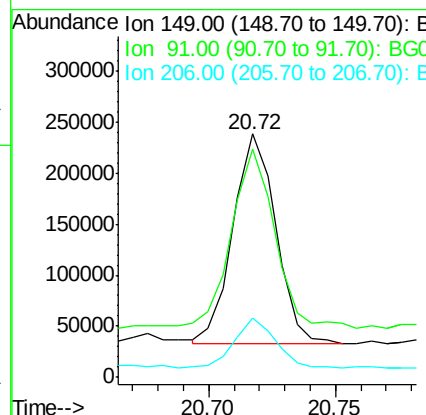
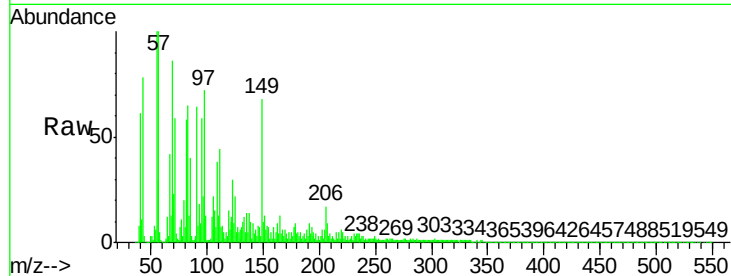




#81
Butylbenzylphthalate
Concen: 21.49 ng/ul
RT: 20.72 min Scan# 3043
Delta R.T. 0.02 min
Lab File: BG018380.D
Acq: 11 Aug 2015 14:13

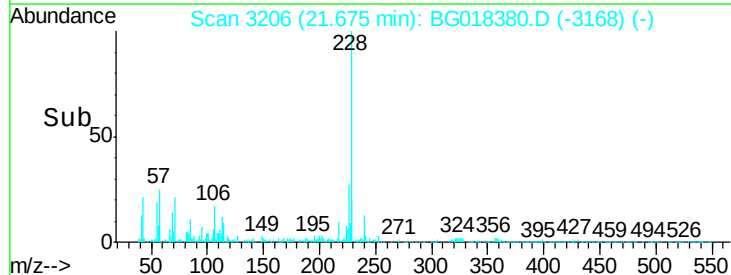
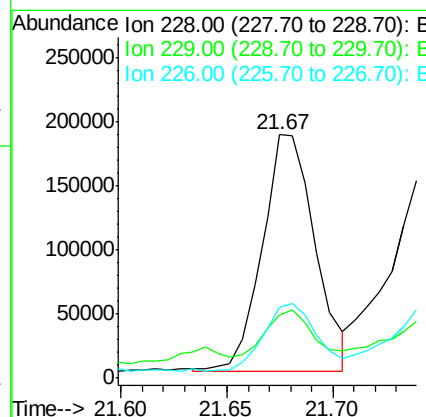
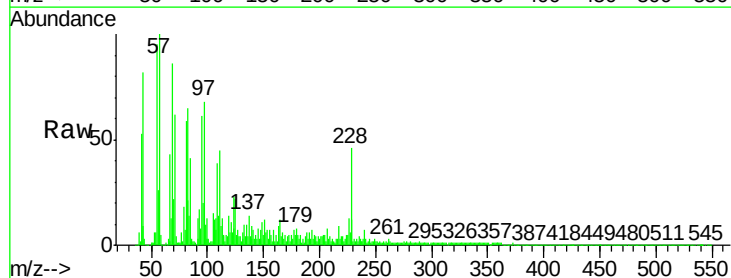
Instrument :
BNA_G
ClientSampleId :
C01P9

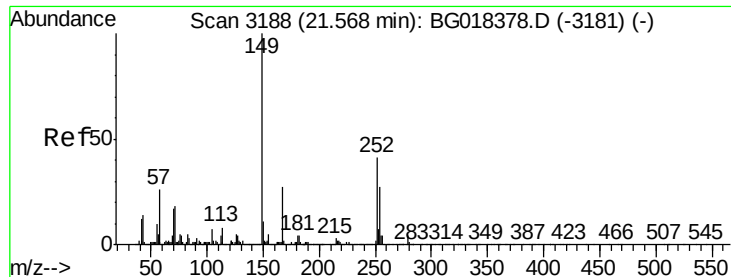
Tgt Ion	Ratio	Lower	Upper
149	100		
91	93.7	57.9	86.9#
206	24.3	17.9	26.9



#83
Benzo(a)anthracene
Concen: 13.23 ng/ul
RT: 21.67 min Scan# 3206
Delta R.T. 0.02 min
Lab File: BG018380.D
Acq: 11 Aug 2015 14:13

Tgt Ion	Ratio	Lower	Upper
228	100		
229	26.2	15.5	23.3#
226	29.0	22.1	33.1

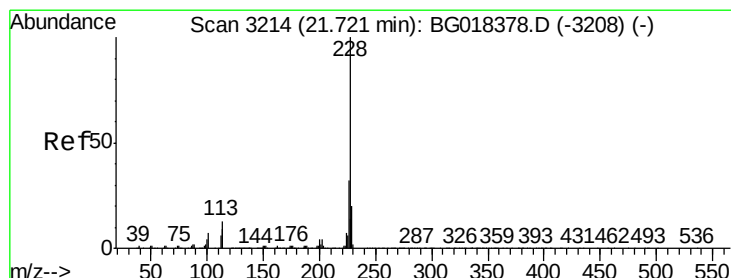
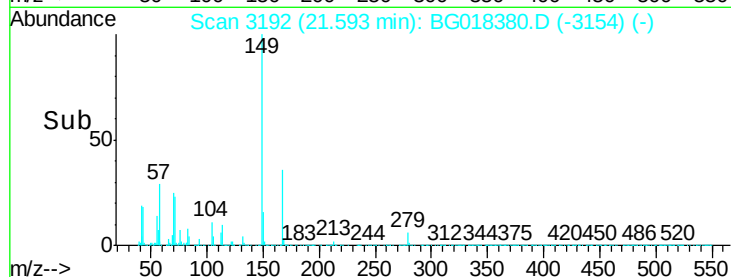
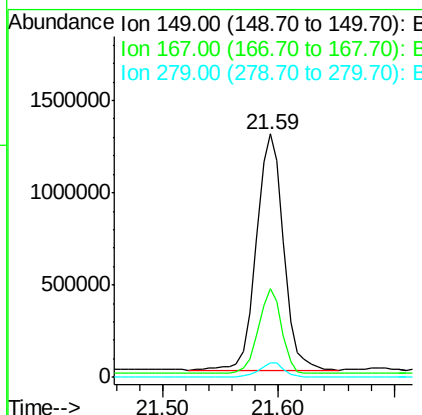
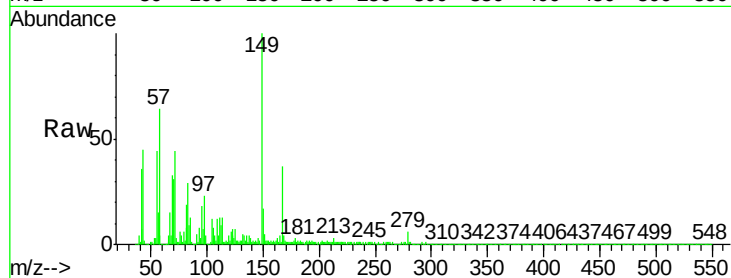




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 131.06 ng/ul
 RT: 21.59 min Scan# 3192
 Delta R.T. 0.02 min
 Lab File: BG018380.D
 Acq: 11 Aug 2015 14:13

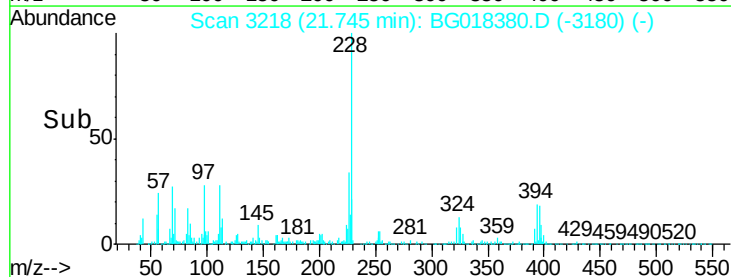
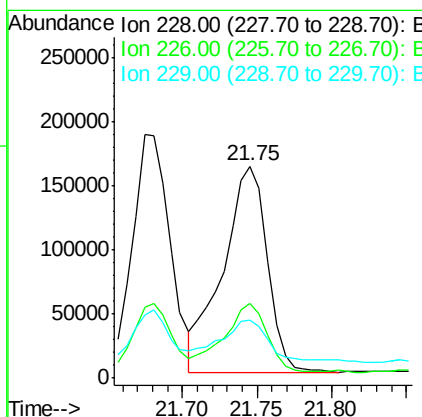
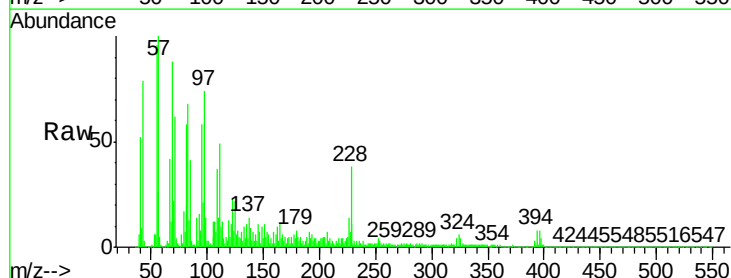
Instrument :
 BNA_G
 ClientSampleId :
 C01P9

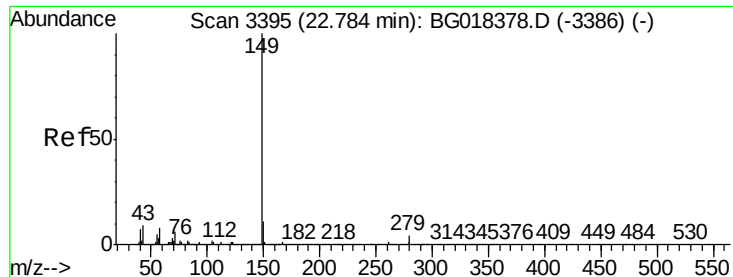
Tgt Ion:149 Resp: 2082358
 Ion Ratio Lower Upper
 149 100
 167 36.6 22.2 33.2#
 279 6.2 2.8 4.2#



#85
 Chrysene
 Concen: 14.62 ng/ul
 RT: 21.75 min Scan# 3218
 Delta R.T. 0.02 min
 Lab File: BG018380.D
 Acq: 11 Aug 2015 14:13

Tgt Ion:228 Resp: 333316
 Ion Ratio Lower Upper
 228 100
 226 35.3 26.5 39.7
 229 27.4 16.9 25.3#





#87

Di-n-octyl phthalate

Concen: 1.97 ng/ul

RT: 22.86 min Scan# 3408

Delta R.T. 0.08 min

Lab File: BG018380.D

Acq: 11 Aug 2015 14:13

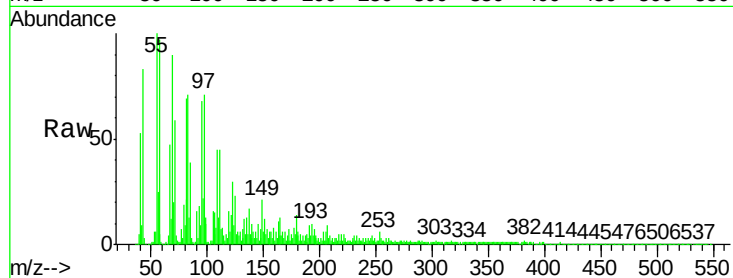
Instrument :

BNA_G

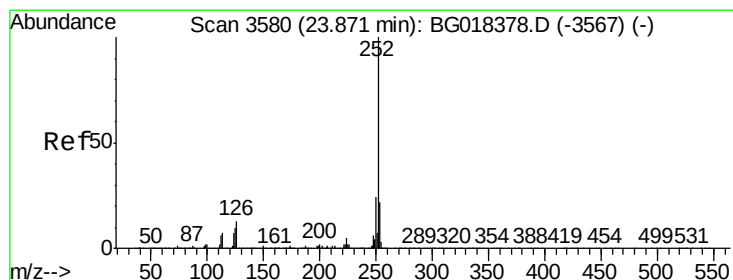
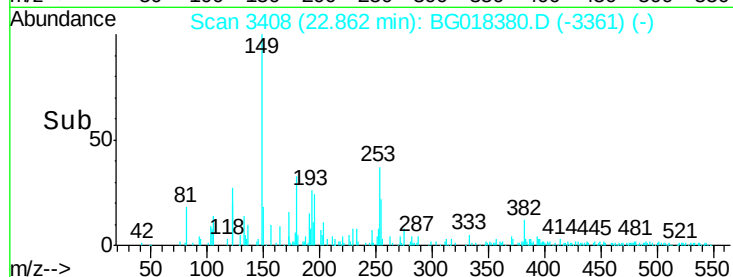
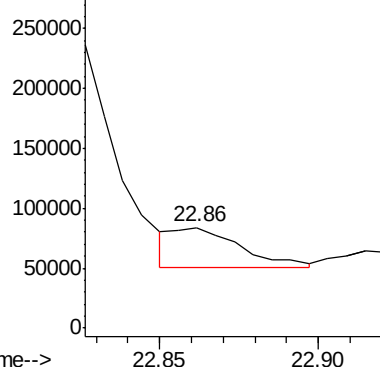
ClientSampleId :

C01P9

Tgt Ion:149 Resp: 49750



Abundance Ion 149.00 (148.70 to 149.70): E



#88

Benzo(b)fluoranthene

Concen: 16.55 ng/ul

RT: 23.94 min Scan# 3592

Delta R.T. 0.07 min

Lab File: BG018380.D

Acq: 11 Aug 2015 14:13

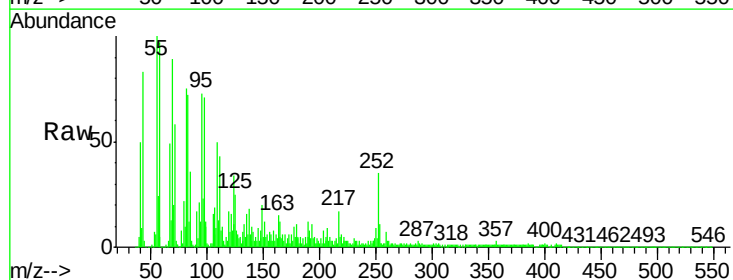
Tgt Ion:252 Resp: 407758

Ion Ratio Lower Upper

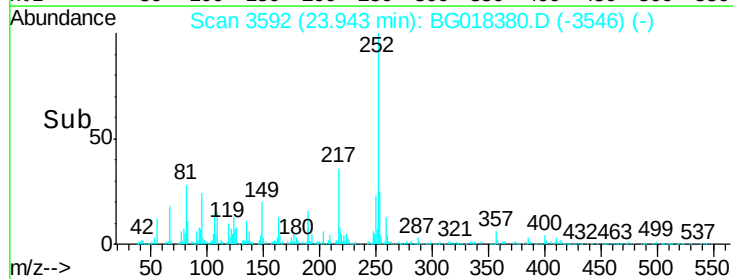
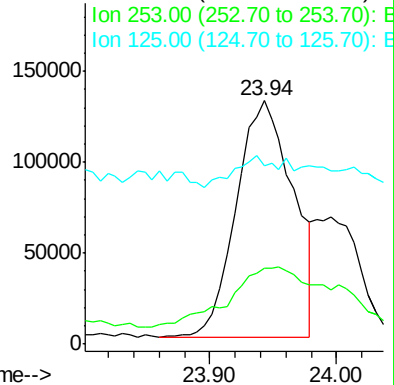
252 100

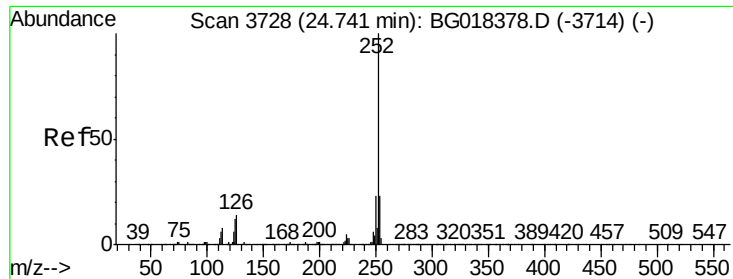
253 31.1 18.1 27.1#

125 73.3 8.3 12.5#



Abundance Ion 252.00 (251.70 to 252.70): E





#91

Benzo(a)pyrene

Concen: 11.41 ng/ul

RT: 24.82 min Scan# 3742

Delta R.T. 0.08 min

Lab File: BG018380.D

Acq: 11 Aug 2015 14:13

Instrument :

BNA_G

ClientSampleId :

C01P9

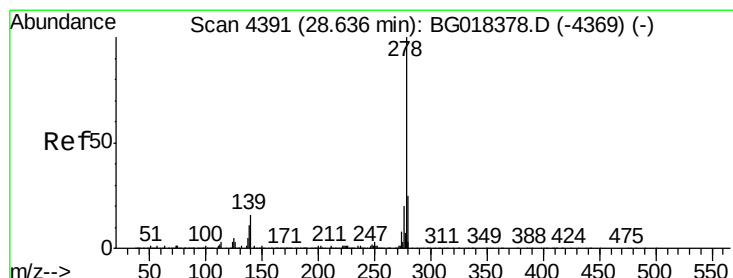
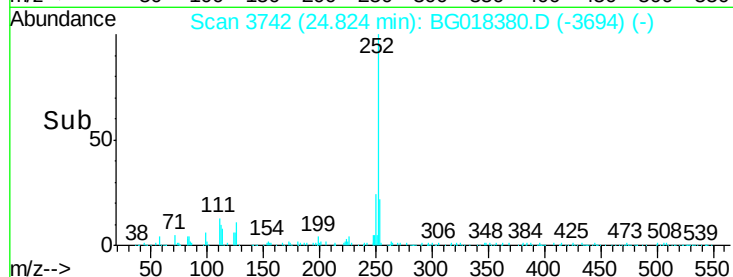
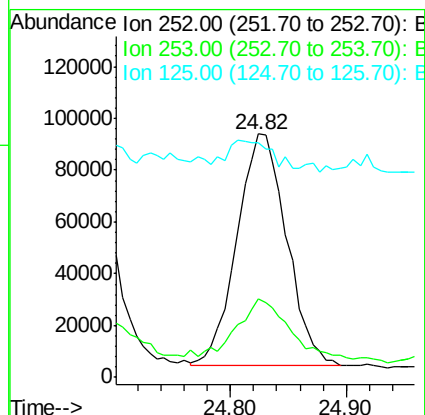
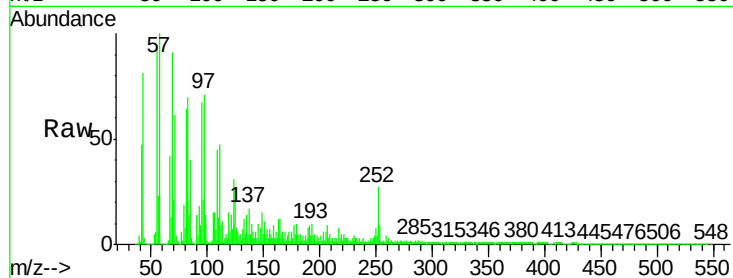
Tgt Ion:252 Resp: 267382

Ion Ratio Lower Upper

252 100

253 32.5 17.7 26.5#

125 96.5 10.2 15.2#



#93

Dibenzo(a,h)anthracene

Concen: 1.13 ng/ul

RT: 28.77 min Scan# 4413

Delta R.T. 0.13 min

Lab File: BG018380.D

Acq: 11 Aug 2015 14:13

Tgt Ion:278 Resp: 25551

Ion Ratio Lower Upper

278 100

139 177.7 13.8 20.6#

279 43.4 17.8 26.8#

