

Data Path : Z:\HPCHEM1\BNA G\DATA\BG073115\
 Data File : BG018216.D
 Acq On : 1 Aug 2015 12:13
 Operator : TP/UM
 Sample : G3073-07
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 03 02:01:09 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	7.48	152	54332	20.00	ng/ul	0.00
18) Naphthalene-d8	10.27	136	242544	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.16	164	146040	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.01	188	107631	20.00	ng/ul	0.11
78) Chrysene-d12	21.27	240	277	20.00	ng/ul	0.16
86) Perylene-d12	23.32	264	229770	20.00	ng/ul	0.03

System Monitoring Compounds

3) 1,4-Dioxane-d8	2.98	96	1289	1.79	ng/uL	0.01
5) Phenol-d5	6.68	99	56677	11.60	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	6.83	67	28026	11.22	ng/ul	0.00
9) 2-Chlorophenol-d4	7.03	132	45820	12.42	ng/ul	0.01
13) 4-Methylphenol-d8	8.21	113	44988	11.31	ng/ul	0.00
19) Nitrobenzene-d5	8.64	128	24314	12.73	ng/ul	0.00
22) 2-Nitrophenol-d4	9.36	143	21225	9.68	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.90	165	48226	12.44	ng/ul	0.01
29) 4-Chloroaniline-d4	10.42	131	40717	8.43	ng/ul	0.01
44) Dimethylphthalate-d6	13.58	166	152628	13.52	ng/ul	0.00
47) Acenaphthylene-d8	13.85	160	155478	11.88	ng/ul	0.00
52) 4-Nitrophenol-d4	14.40	143	15447	7.40	ng/ul	0.02
58) Fluorene-d10	15.16	176	101468	9.94	ng/ul	0.01
63) 4,6-Dinitro-2-methylphenol	15.31	200	178	0.24	ng/ul	0.02
71) Anthracene-d10	17.10	188	203	0.04	ng/ul	0.09
79) Pyrene-d10	19.46	212	178	13.28	ng/ul	0.14
90) Benzo(a)pyrene-d12	23.18	264	95904	8.25	ng/ul	0.03

Target Compounds

					Ovalue
4) Benzaldehyde	6.64	77	3310	1.25	ng/ul# 1
14) Acetophenone	8.28	105	6421	1.04	ng/ul# 48
17) Hexachloroethane	8.58	117	3417	2.06	ng/ul# 5
28) Naphthalene	10.32	128	14986	1.28	ng/ul 96
32) Caprolactam	11.19	113	4398	2.39	ng/ul# 81
45) Dimethylphthalate	13.62	163	77577	6.91	ng/ul 98
50) Acenaphthene	14.22	153	25328	2.99	ng/ul 97
54) Dibenzofuran	14.56	168	19339	1.52	ng/ul# 73
59) Fluorene	15.22	166	30088	2.73	ng/ul 93
70) Phenanthrene	17.05	178	76445	13.98	ng/ul 95
72) Anthracene	17.05	178	74308	13.66	ng/ul 96
80) Pyrene	19.52	202	872	51.90	ng/ul# 70
81) Butylbenzylphthalate	20.43	149	1396	204.55	ng/ul# 34
82) 3,3'-Dichlorobenzidine	21.21	252	778	133.19	ng/ul# 20
83) Benzo(a)anthracene	21.17	228	164873	11052.51	ng/ul 98
84) Bis(2-ethylhexyl)phthalate	21.20	149	1598	173.55	ng/ul# 88
85) Chrysene	21.17	228	164873	12066.06	ng/ul 98
88) Benzo(b)fluoranthene	22.66	252	227686	16.50	ng/ul 97
89) Benzo(k)fluoranthene	22.66	252	227686	17.95	ng/ul 97
91) Benzo(a)pyrene	23.22	252	156818	12.70	ng/ul 96
92) Indeno(1,2,3-cd)pyrene	25.52	276	77766	5.44	ng/ul# 86
93) Dibenzo(a,h)anthracene	25.52	278	13213	1.08	ng/ul# 86
94) Benzo(g,h,i)perylene	26.20	276	58607	5.02	ng/ul# 88

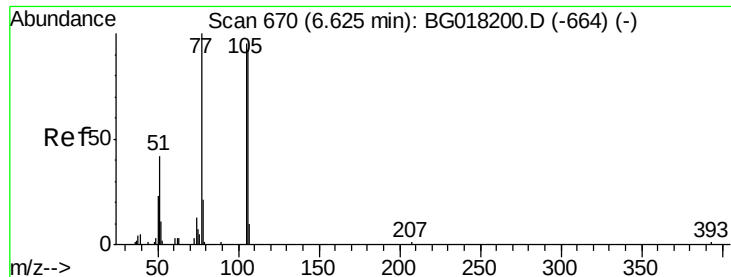
Data Path : Z:\HPCHEM1\BNA G\DATA\BG073115\
Data File : BG018216.D
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Quant Title : SVOA CALIBRATION
QLast Update : Sat Aug 01 07:09:30 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#4

Benzaldehyde

Concen: 1.25 ng/ul

RT: 6.64 min Scan# 672

Delta R.T. 0.01 min

Lab File: BG018216.D

Acq: 1 Aug 2015 12:13

Instrument :

BNA_G

ClientSampleId :

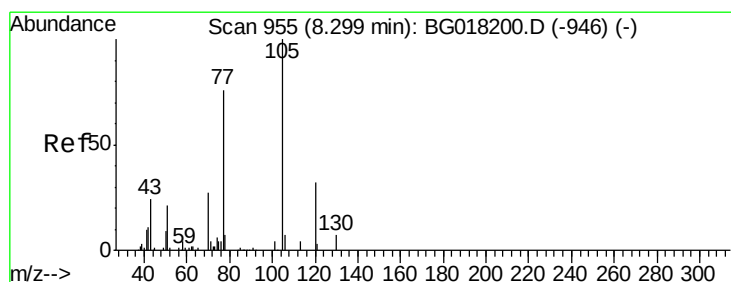
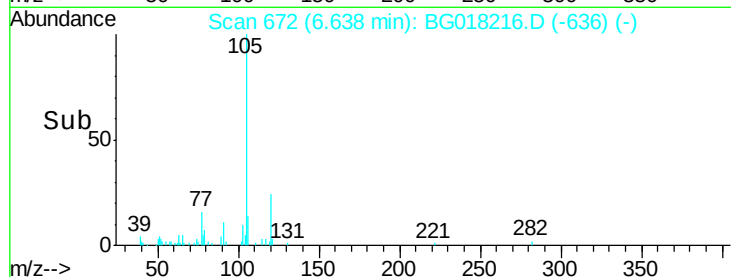
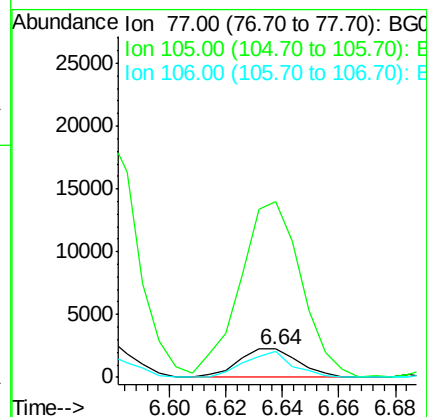
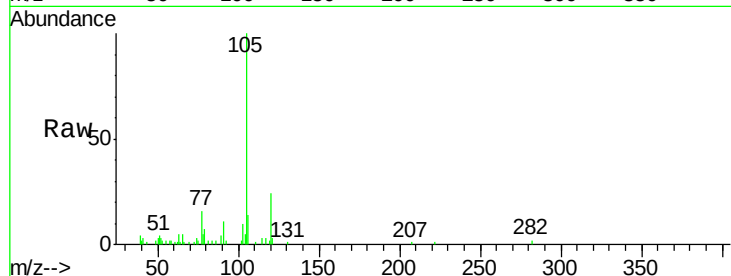
Tot Ion: 77 Resp: 3310

Ion Ratio Lower Upper

77 100

105 626.4 89.8 134.6#

106 90.7 94.2 141.4#



#14

Acetophenone

Concen: 1.04 ng/ul

RT: 8.28 min Scan# 952

Delta R.T. -0.02 min

Lab File: BG018216.D

Acq: 1 Aug 2015 12:13

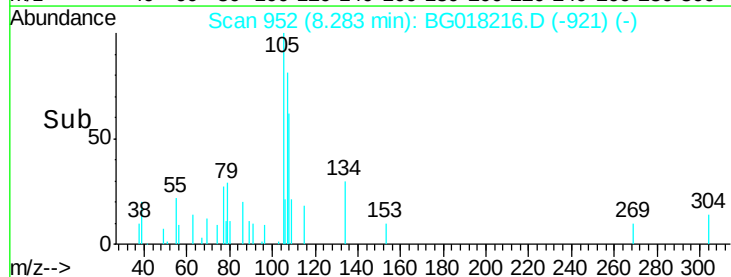
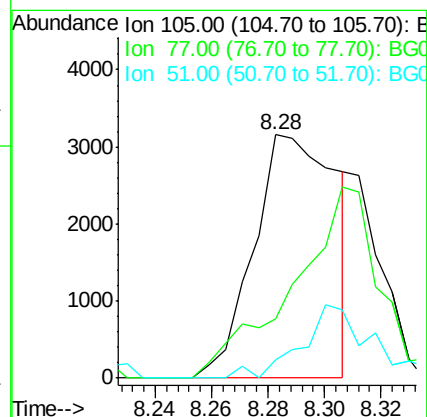
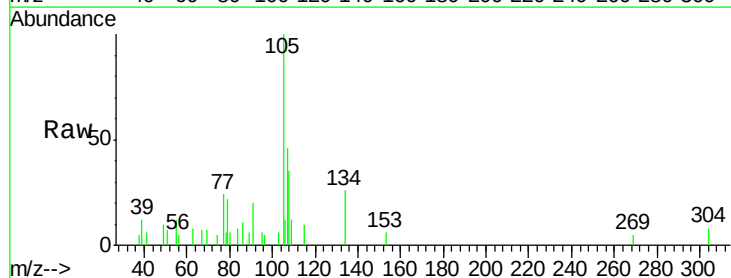
Tgt Ion: 105 Resp: 6421

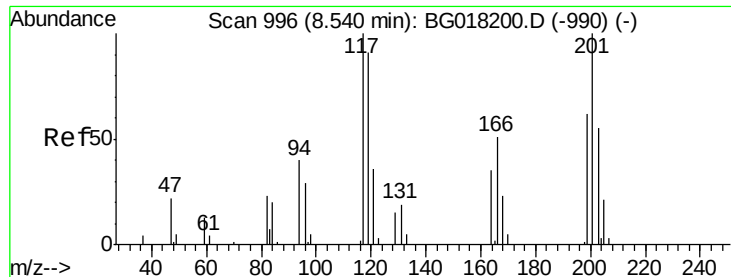
Ion Ratio Lower Upper

105 100

77 24.2 58.4 87.6#

51 7.3 16.5 24.7#





#17

Hexachloroethane

Concen: 2.06 ng/ul

RT: 8.58 min Scan# 1003

Delta R.T. 0.04 min

Lab File: BG018216.D

Acq: 1 Aug 2015 12:13

Instrument :

BNA_G

ClientSampleId :

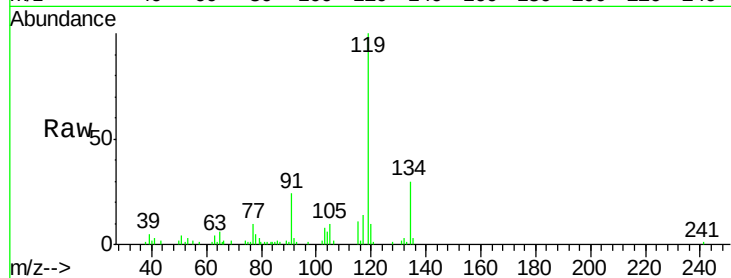
Tot Ion:117 Resp: 3417

Ion Ratio Lower Upper

117 100

201 0.0 85.0 127.4#

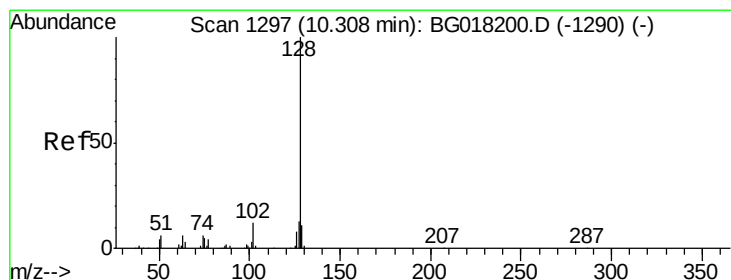
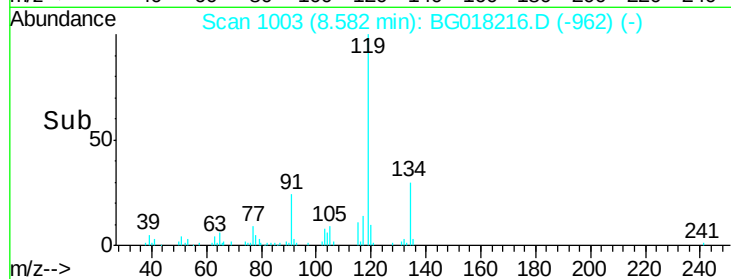
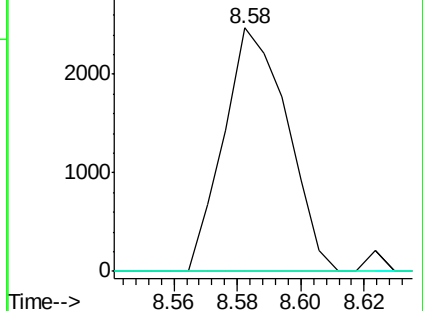
199 0.0 52.2 78.4#



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



#28

Naphthalene

Concen: 1.28 ng/ul

RT: 10.32 min Scan# 1298

Delta R.T. 0.01 min

Lab File: BG018216.D

Acq: 1 Aug 2015 12:13

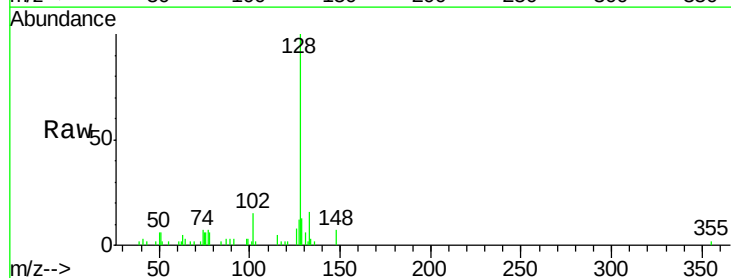
Tgt Ion:128 Resp: 14986

Ion Ratio Lower Upper

128 100

129 13.2 9.1 13.7

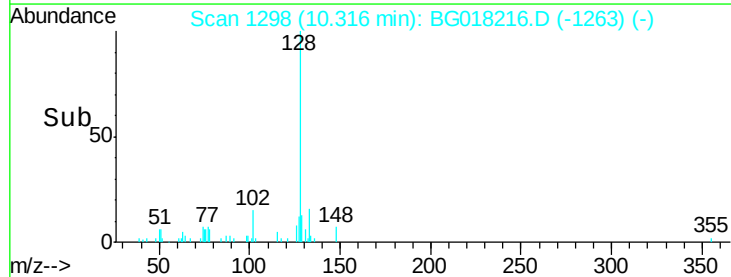
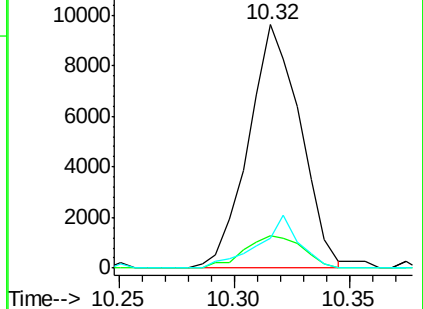
127 12.4 11.2 16.8

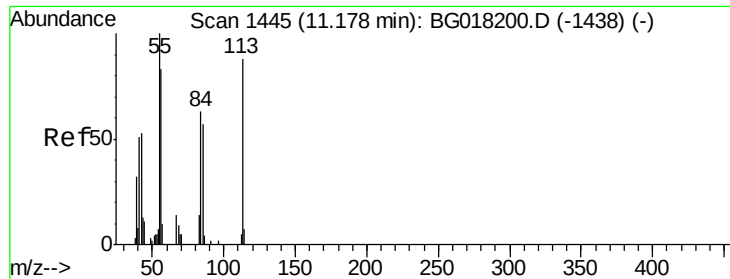


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#32

Caprolactam

Concen: 2.39 ng/ul

RT: 11.19 min Scan# 1446

Delta R.T. 0.01 min

Lab File: BG018216.D

Acq: 1 Aug 2015 12:13

Instrument :

BNA_G

ClientSampleId :

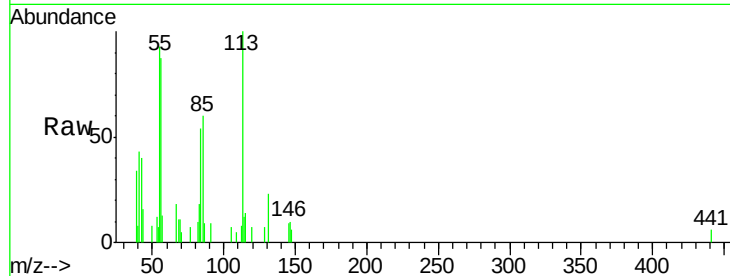
Tot Ion:113 Resp: 4398

Ion Ratio Lower Upper

113 100

55 92.8 64.6 96.8

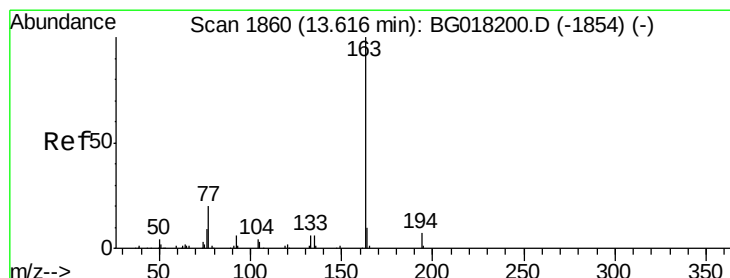
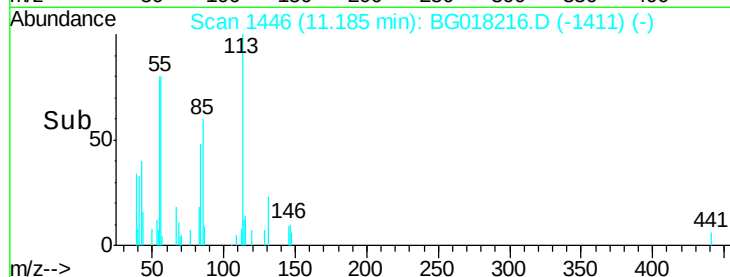
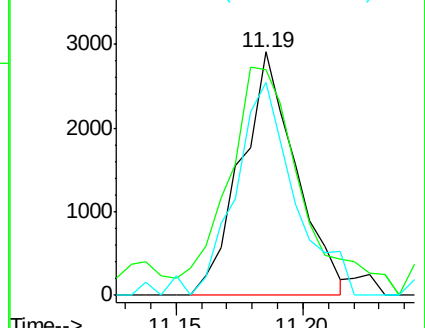
56 87.2 53.2 79.8#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BGC

Ion 56.00 (55.70 to 56.70): BGC



#45

Dimethylphthalate

Concen: 6.91 ng/ul

RT: 13.62 min Scan# 1861

Delta R.T. 0.01 min

Lab File: BG018216.D

Acq: 1 Aug 2015 12:13

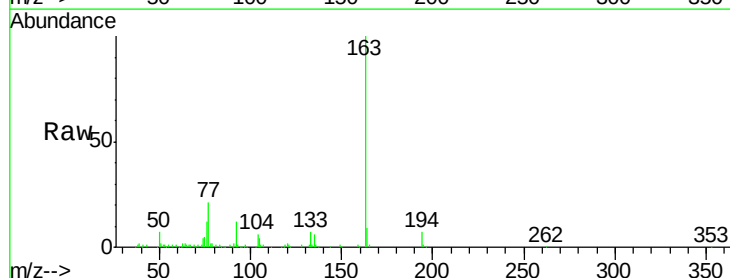
Tgt Ion:163 Resp: 77577

Ion Ratio Lower Upper

163 100

194 6.9 5.2 7.8

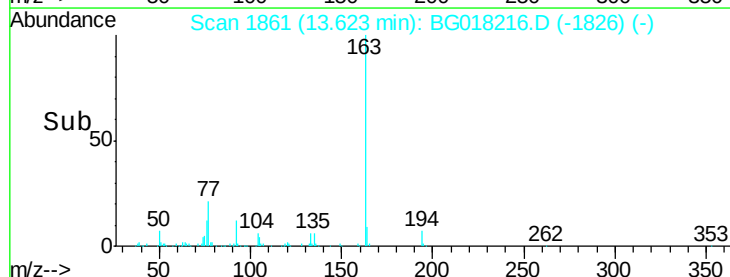
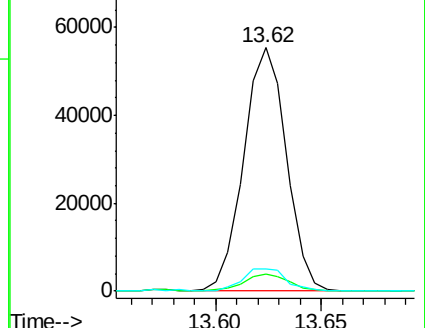
164 9.4 8.4 12.6

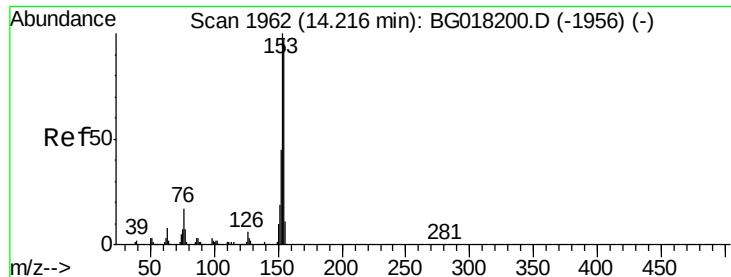


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#50

Acenaphthene

Concen: 2.99 ng/ul

RT: 14.22 min Scan# 1963

Delta R.T. 0.01 min

Lab File: BG018216.D

Acq: 1 Aug 2015 12:13

Instrument :

BNA_G

ClientSampleId :

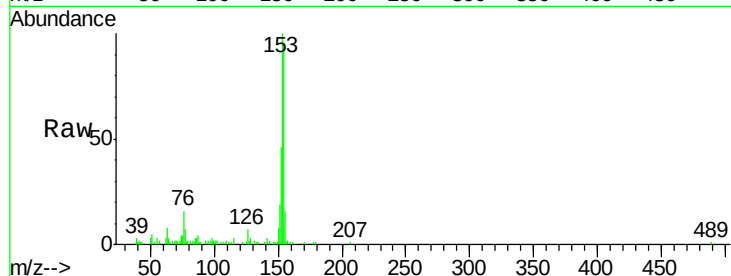
Tot Ion:153 Resp: 25328

Ion Ratio Lower Upper

153 100

152 46.1 38.7 58.1

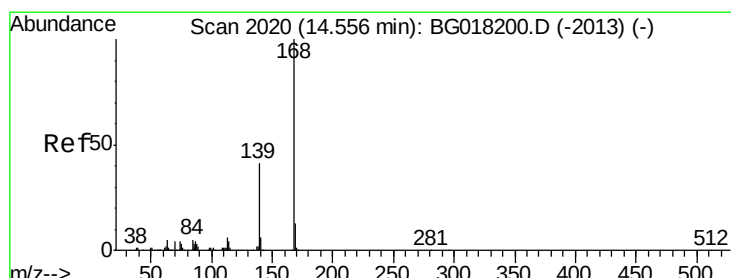
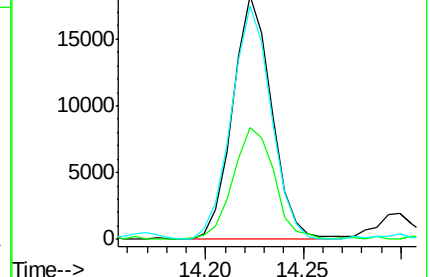
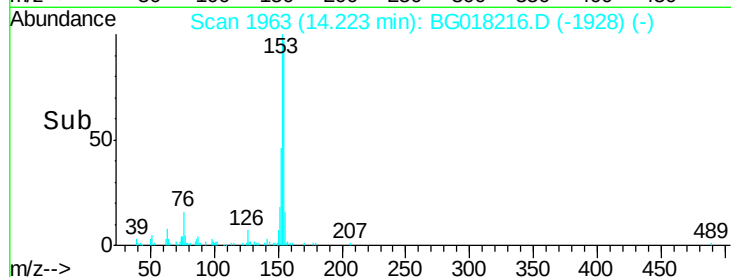
154 95.9 74.8 112.2



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: 1.52 ng/ul

RT: 14.56 min Scan# 2021

Delta R.T. 0.01 min

Lab File: BG018216.D

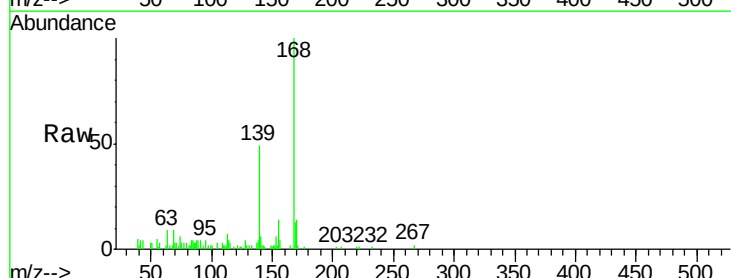
Acq: 1 Aug 2015 12:13

Tgt Ion:168 Resp: 19339

Ion Ratio Lower Upper

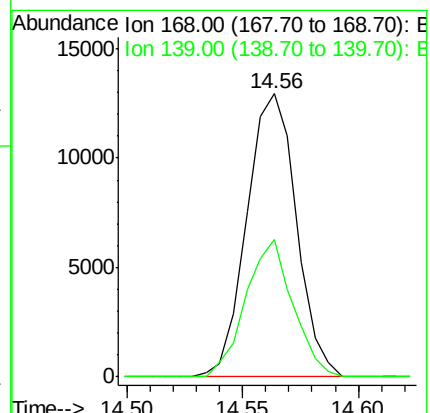
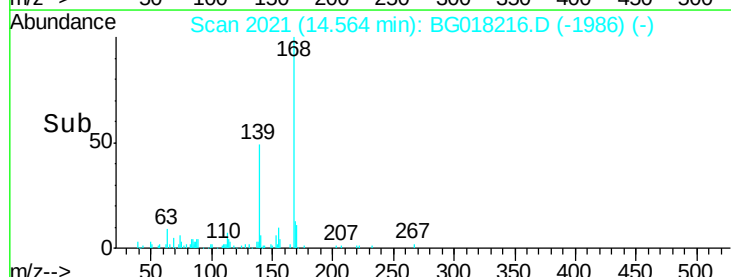
168 100

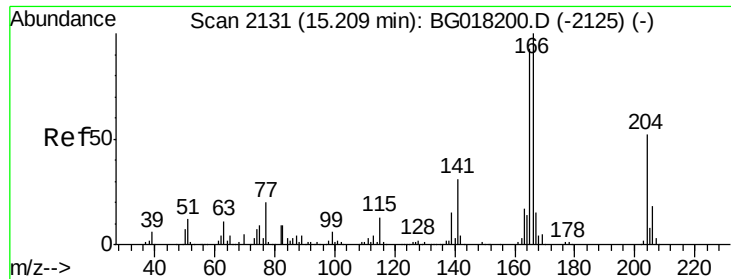
139 48.6 26.8 40.2#



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

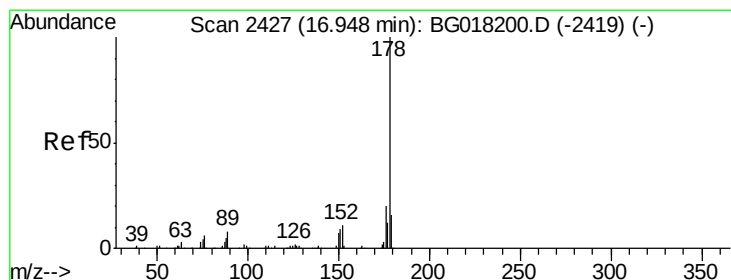
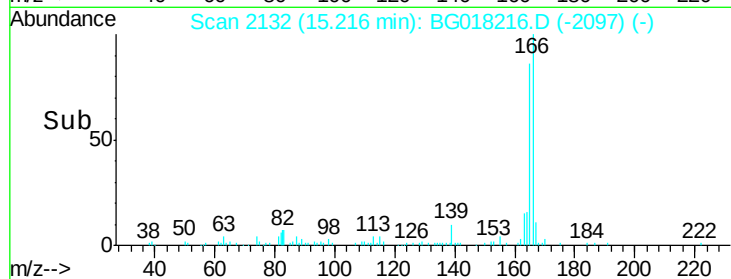
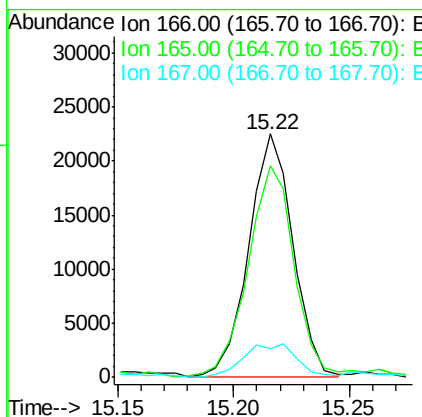
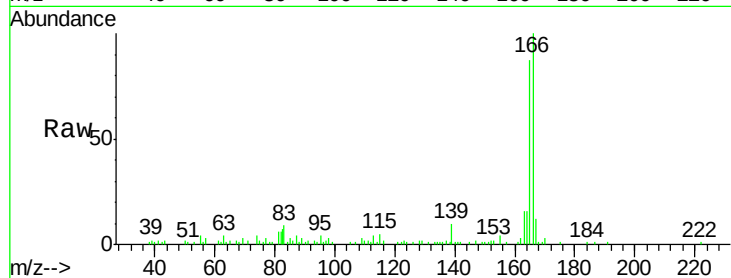




#59
 Fluorene
 Concen: 2.73 ng/ul
 RT: 15.22 min Scan# 2132
 Delta R.T. 0.01 min
 Lab File: BG018216.D
 Acq: 1 Aug 2015 12:13

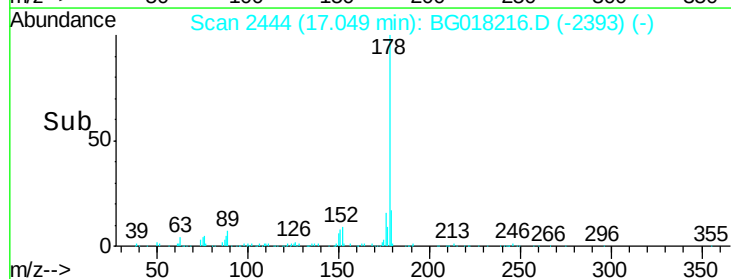
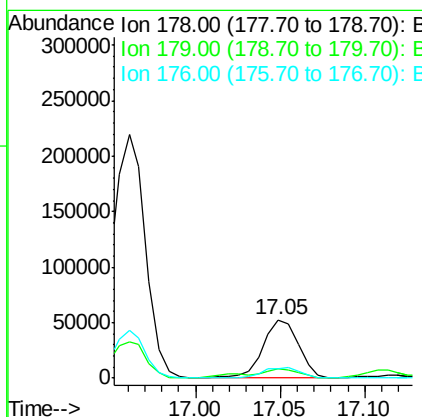
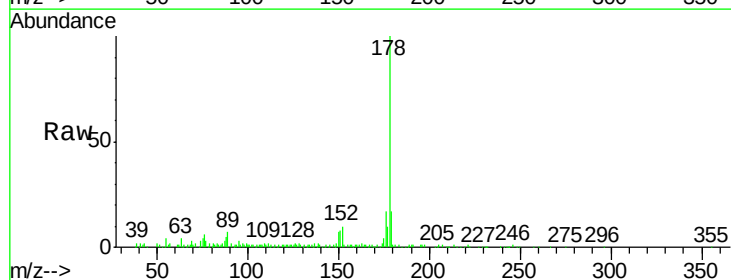
Instrument :
 BNA_G
 ClientSampleId :

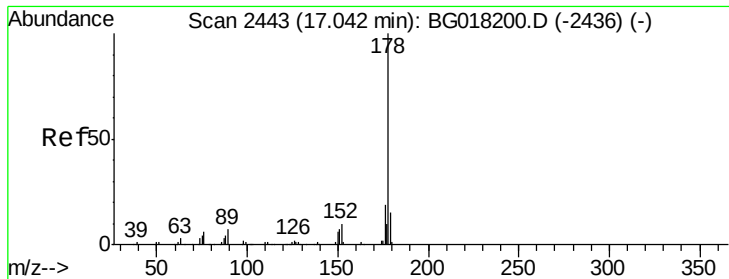
Tot Ion:166 Resp: 30088
 Ion Ratio Lower Upper
 166 100
 165 86.9 75.1 112.7
 167 12.0 11.8 17.6



#70
 Phenanthrene
 Concen: 13.98 ng/ul
 RT: 17.05 min Scan# 2444
 Delta R.T. 0.10 min
 Lab File: BG018216.D
 Acq: 1 Aug 2015 12:13

Tgt Ion:178 Resp: 76445
 Ion Ratio Lower Upper
 178 100
 179 17.1 12.8 19.2
 176 16.7 16.0 24.0





#72

Anthracene

Concen: 13.66 ng/ul

RT: 17.05 min Scan# 2444

Delta R.T. 0.01 min

Lab File: BG018216.D

Acq: 1 Aug 2015 12:13

Instrument :

BNA_G

ClientSampled :

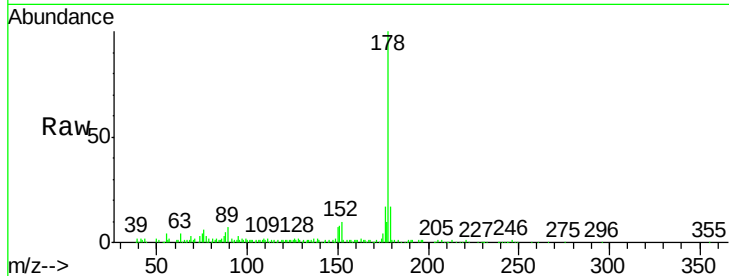
Tot Ion:178 Resp: 74308

Ion Ratio Lower Upper

178 100

179 17.1 12.2 18.2

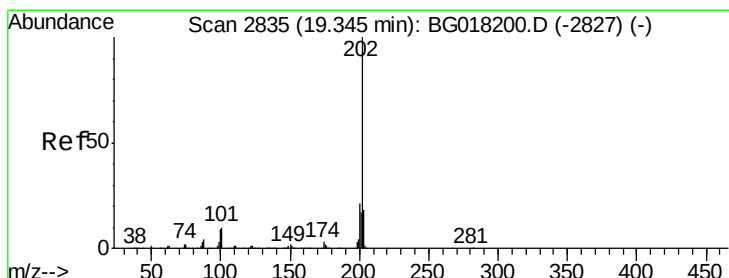
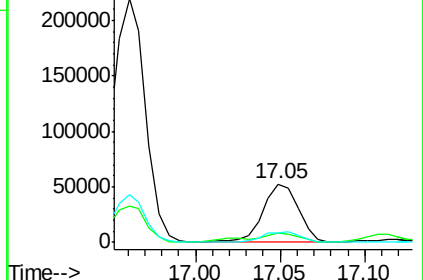
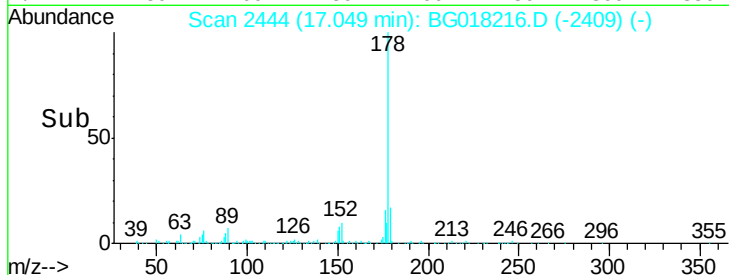
176 16.7 14.8 22.2



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



#80

Pyrene

Concen: 51.90 ng/ul

RT: 19.52 min Scan# 2865

Delta R.T. 0.18 min

Lab File: BG018216.D

Acq: 1 Aug 2015 12:13

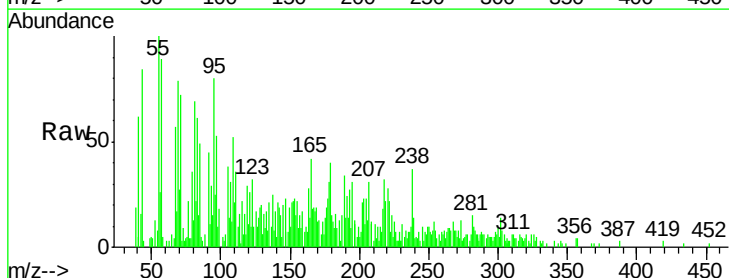
Tgt Ion:202 Resp: 872

Ion Ratio Lower Upper

202 100

101 22.8 8.1 12.1#

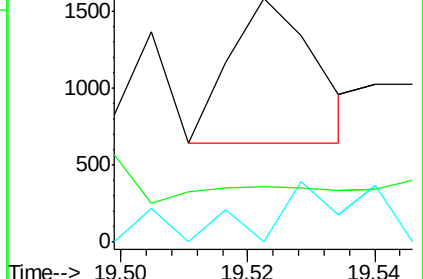
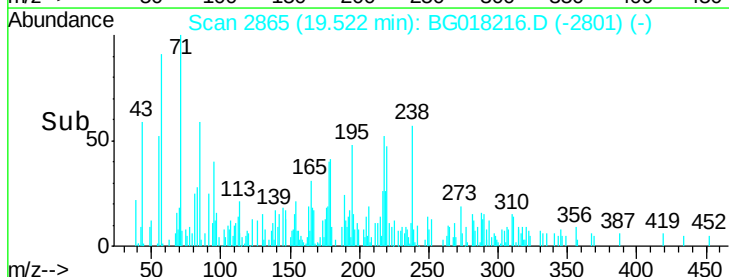
100 0.0 7.4 11.0#

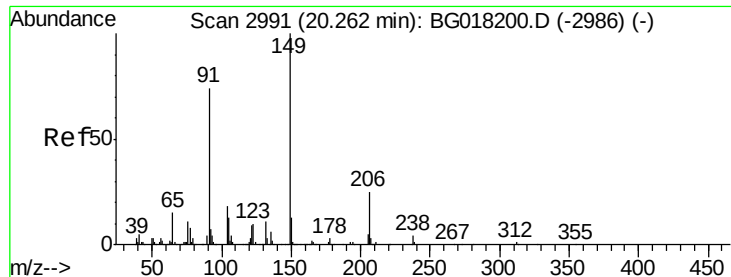


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

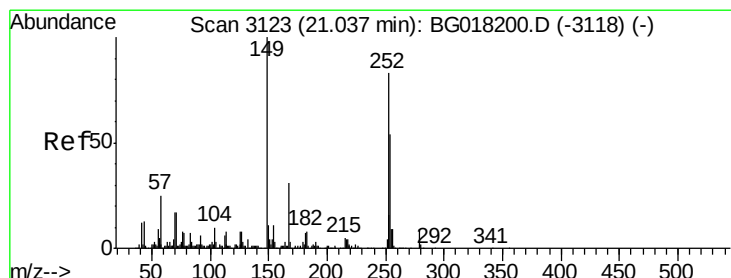
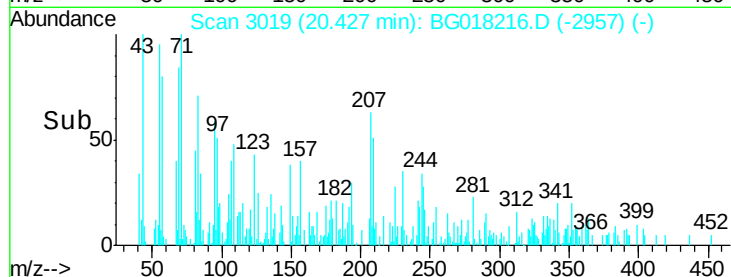
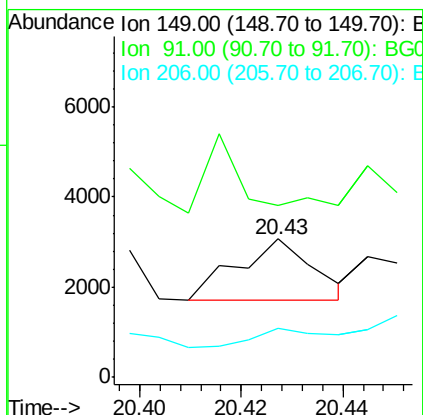
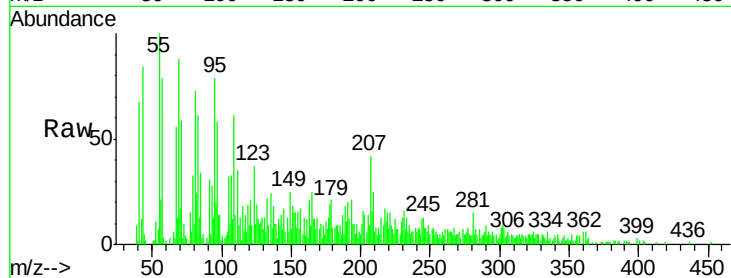




#81
Butylbenzylphthalate
Concen: 204.55 ng/ul
RT: 20.43 min Scan# 3019
Delta R.T. 0.17 min
Lab File: BG018216.D
Acq: 1 Aug 2015 12:13

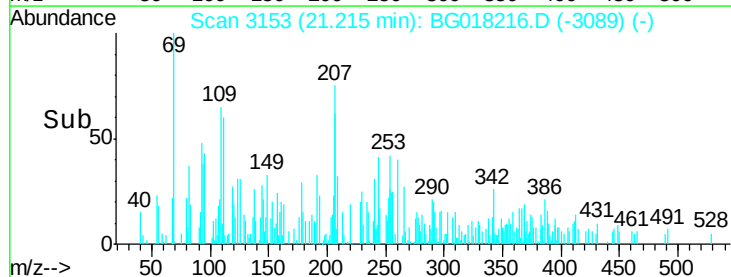
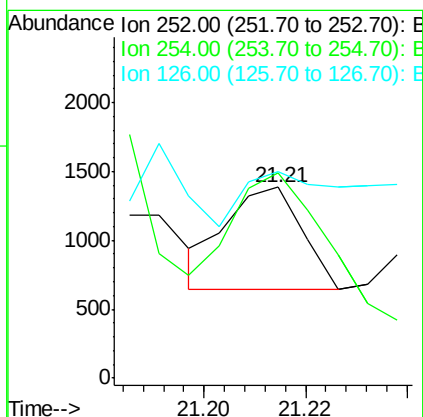
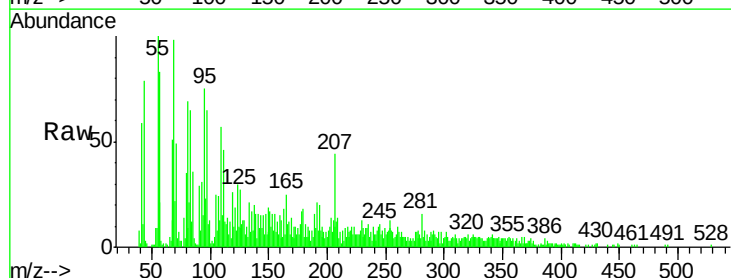
Instrument :
BNA_G
ClientSampled :

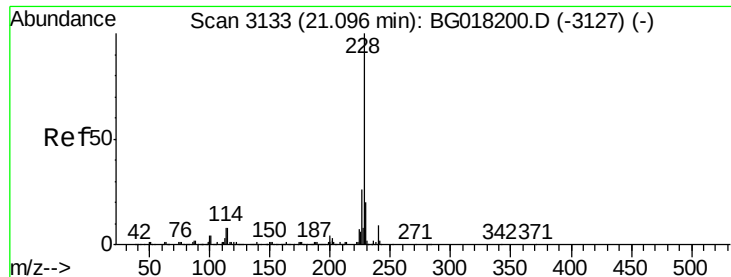
Tot Ion:149 Resp: 1396
Ion Ratio Lower Upper
149 100
91 124.6 46.6 69.8#
206 35.7 21.8 32.8#



#82
3,3'-Dichlorobenzidine
Concen: 133.19 ng/ul
RT: 21.21 min Scan# 3153
Delta R.T. 0.18 min
Lab File: BG018216.D
Acq: 1 Aug 2015 12:13

Tgt Ion:252 Resp: 778
Ion Ratio Lower Upper
252 100
254 107.5 53.4 80.0#
126 108.4 8.7 13.1#





#83

Benzo(a)anthracene

Concen: 11052.51 ng/ul

RT: 21.17 min Scan# 3145

Delta R.T. 0.07 min

Lab File: BG018216.D

Acq: 1 Aug 2015 12:13

Instrument :

BNA_G

ClientSampleId :

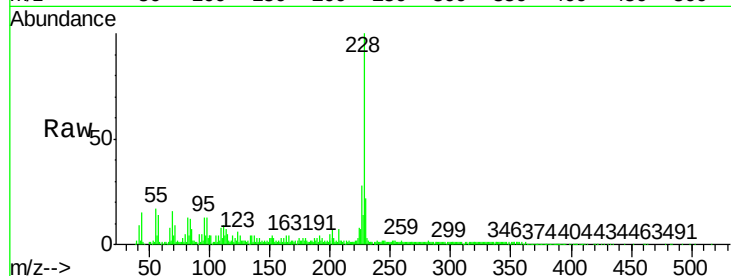
Tot Ion:228 Resp: 164873

Ion Ratio Lower Upper

228 100

229 21.7 16.5 24.7

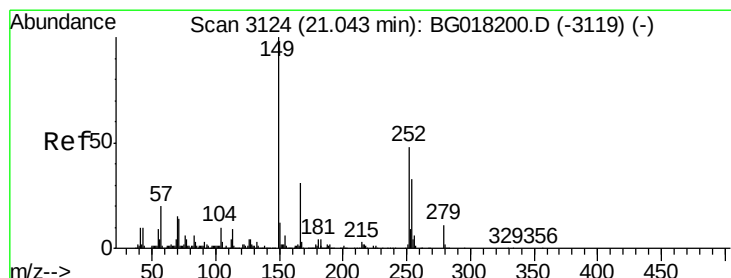
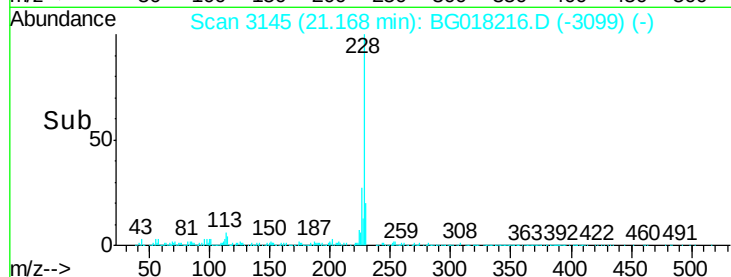
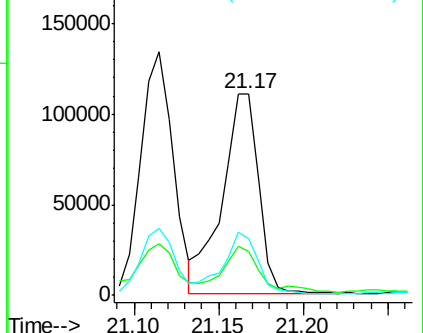
226 28.0 21.5 32.3



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: 173.55 ng/ul

RT: 21.20 min Scan# 3151

Delta R.T. 0.16 min

Lab File: BG018216.D

Acq: 1 Aug 2015 12:13

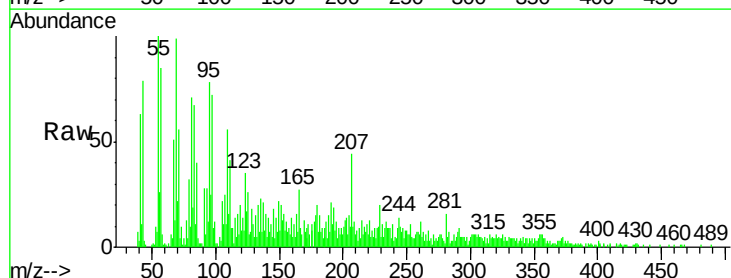
Tgt Ion:149 Resp: 1598

Ion Ratio Lower Upper

149 100

167 40.9 27.4 41.2

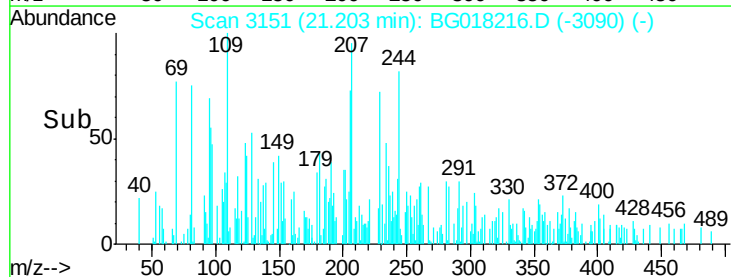
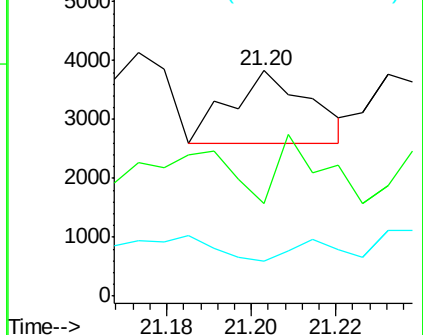
279 15.4 8.3 12.5#

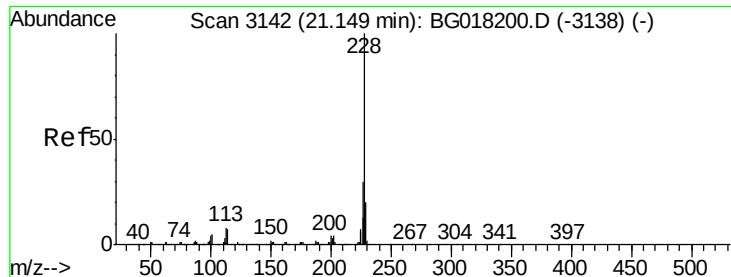


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Chrysene

Concen: 12066.06 ng/ul

RT: 21.17 min Scan# 3145

Delta R.T. 0.02 min

Lab File: BG018216.D

Acq: 1 Aug 2015 12:13

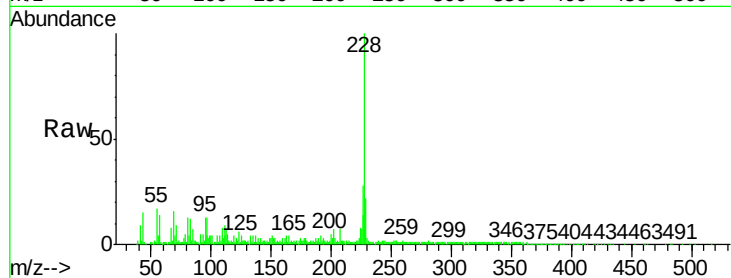
Instrument :

BNA_G

ClientSampleId :

Tot Ion:228 Resp: 164873

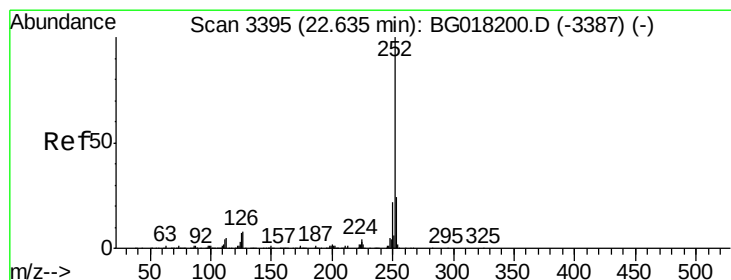
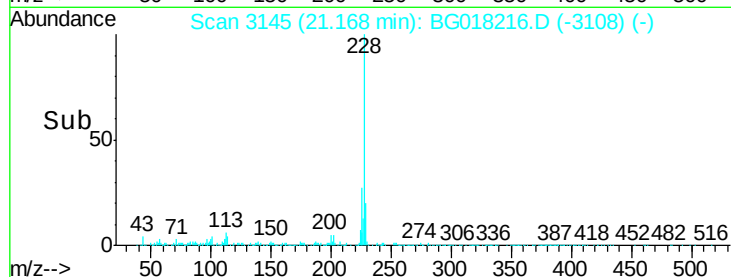
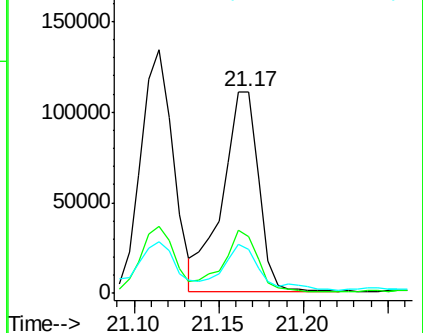
Ion	Ratio	Lower	Upper
228	100		
226	28.0	22.7	34.1
229	21.7	16.2	24.2



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: 16.50 ng/ul

RT: 22.66 min Scan# 3399

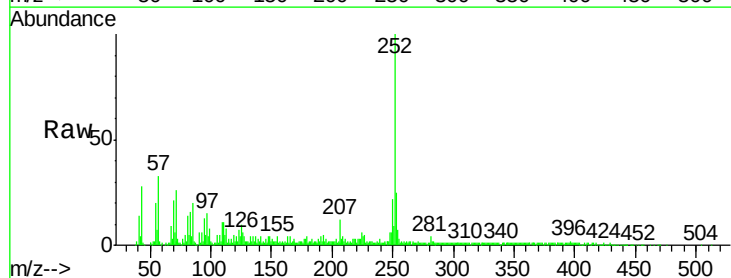
Delta R.T. 0.02 min

Lab File: BG018216.D

Acq: 1 Aug 2015 12:13

Tgt Ion:252 Resp: 227686

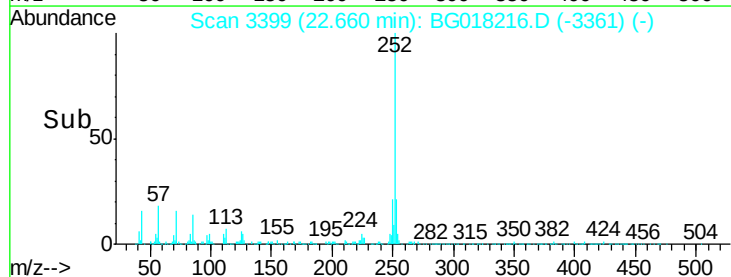
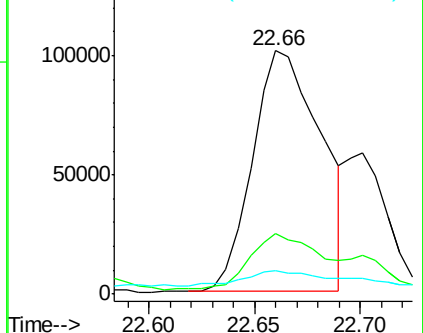
Ion	Ratio	Lower	Upper
252	100		
253	24.7	18.5	27.7
125	9.7	7.4	11.0

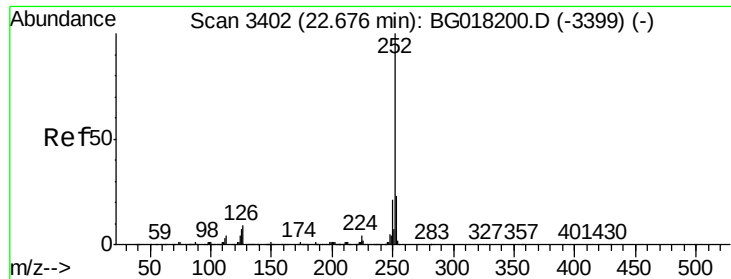


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 17.95 ng/ul

RT: 22.66 min Scan# 3399

Delta R.T. -0.02 min

Lab File: BG018216.D

Acq: 1 Aug 2015 12:13

Instrument :

BNA_G

ClientSampleId :

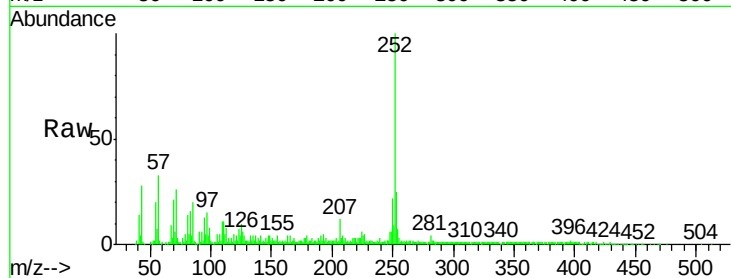
Tot Ion:252 Resp: 227686

Ion Ratio Lower Upper

252 100

253 24.7 18.2 27.2

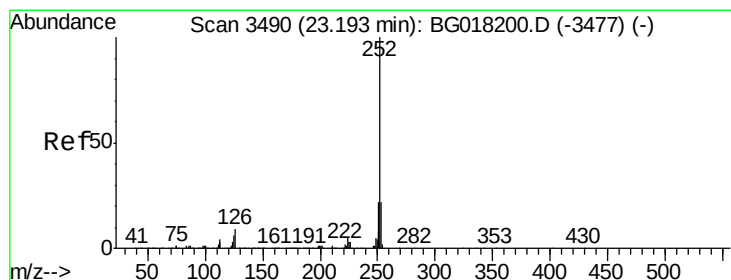
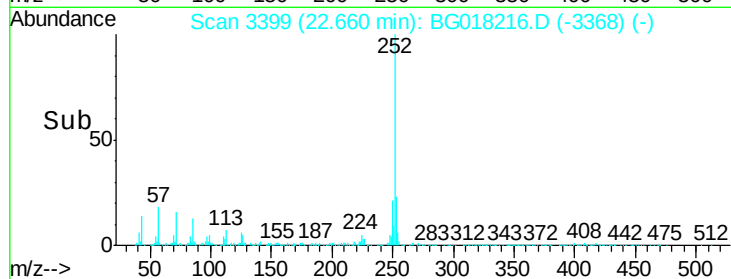
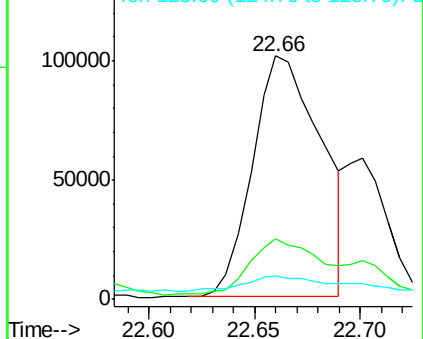
125 9.7 7.5 11.3



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: 12.70 ng/ul

RT: 23.22 min Scan# 3494

Delta R.T. 0.02 min

Lab File: BG018216.D

Acq: 1 Aug 2015 12:13

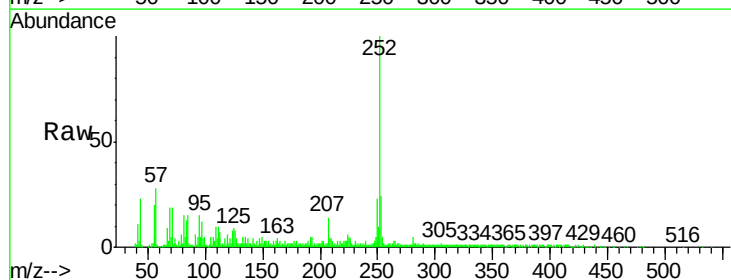
Tgt Ion:252 Resp: 156818

Ion Ratio Lower Upper

252 100

253 24.4 17.4 26.2

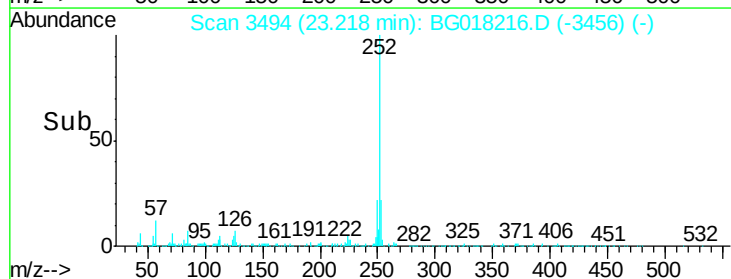
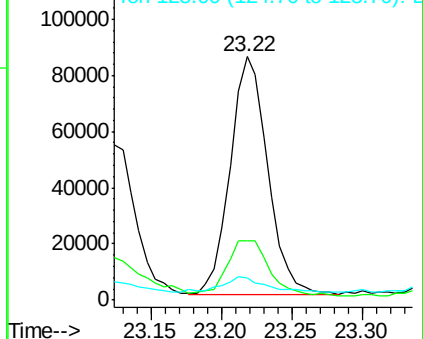
125 9.2 7.3 10.9

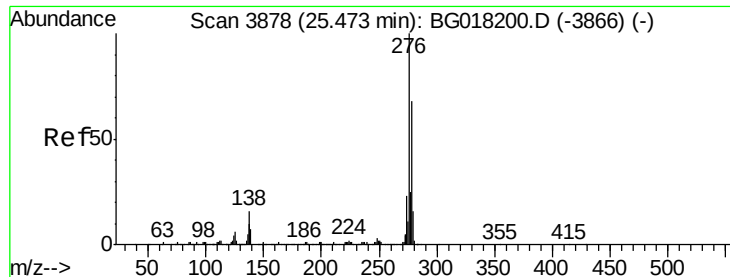


Abundance Ion 252.00 (251.70 to 252.70): E

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: 5.44 ng/ul

RT: 25.52 min Scan# 3886

Delta R.T. 0.05 min

Lab File: BG018216.D

Acq: 1 Aug 2015 12:13

Instrument :

BNA_G

ClientSampleId :

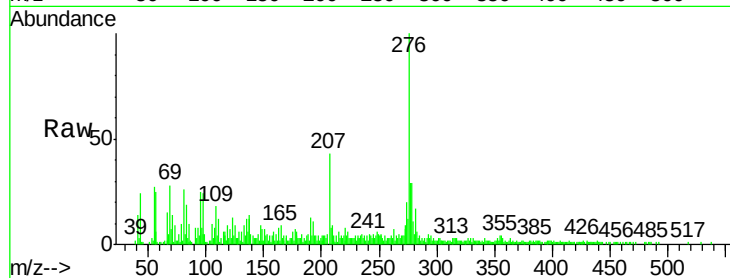
Tot Ion:276 Resp: 77766

Ion Ratio Lower Upper

276 100

138 12.3 17.2 25.8#

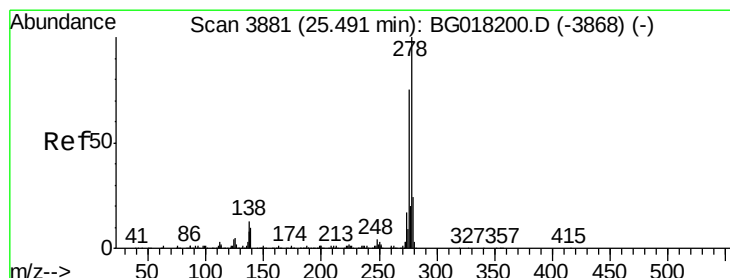
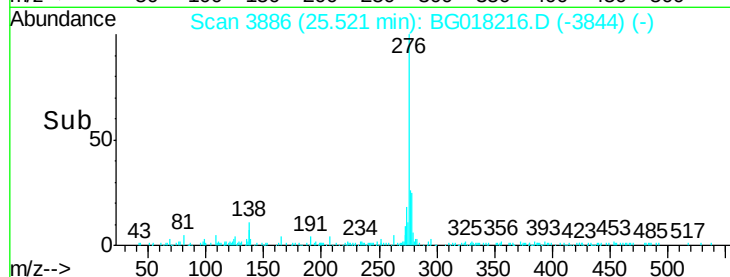
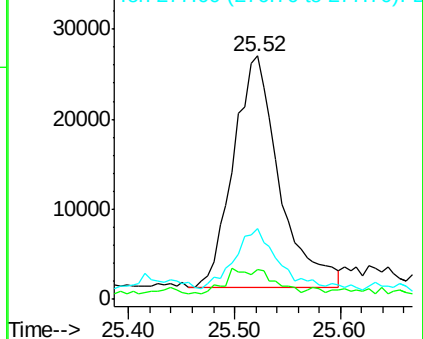
277 29.2 19.5 29.3



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: 1.08 ng/ul

RT: 25.52 min Scan# 3886

Delta R.T. 0.03 min

Lab File: BG018216.D

Acq: 1 Aug 2015 12:13

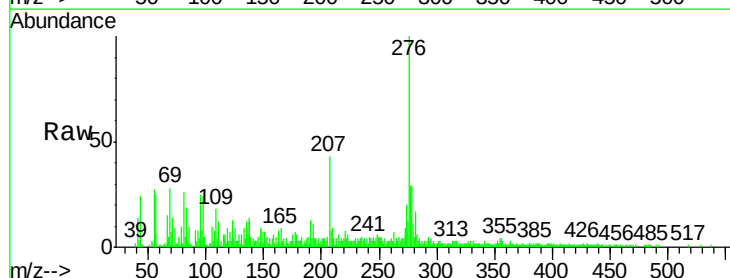
Tgt Ion:278 Resp: 13213

Ion Ratio Lower Upper

278 100

139 16.0 12.2 18.2

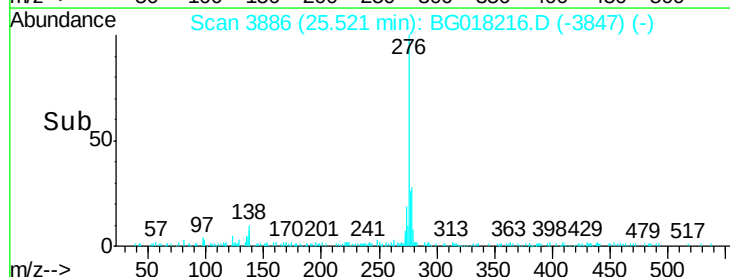
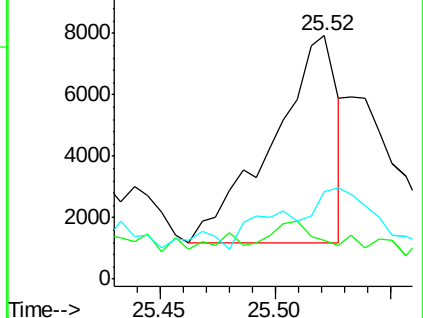
279 36.1 20.0 30.0#

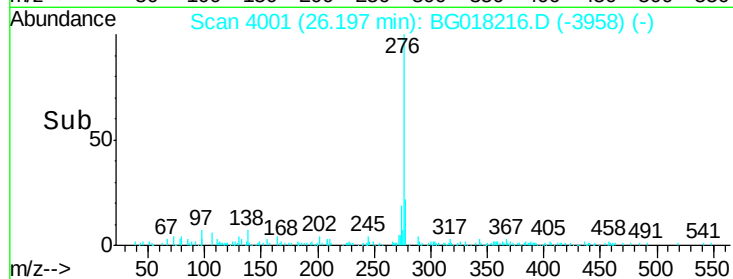
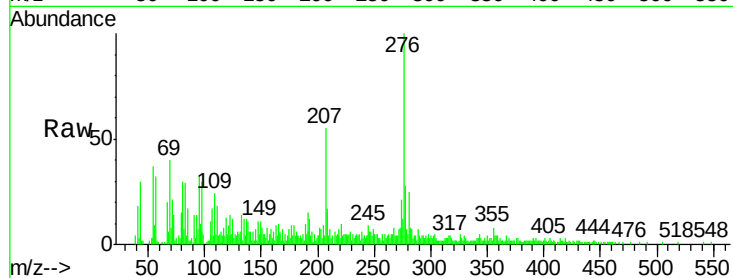
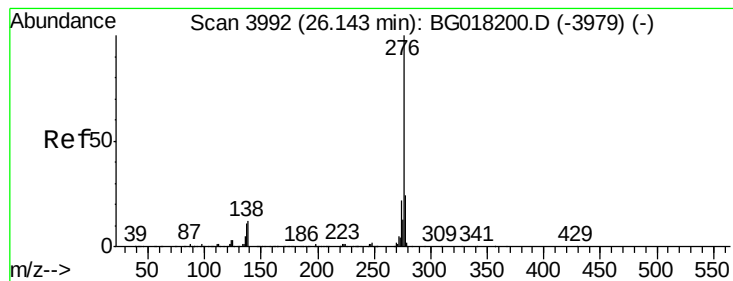


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#94

Benzo(a,h,i)perylene

Concen: 5.02 ng/ul

RT: 26.20 min Scan# 4001

Delta R.T. 0.05 min

Lab File: BG018216.D

Acq: 1 Aug 2015 12:13

Instrument :

BNA_G

ClientSampleId :

Tot Ion:276 Resp: 58607

Ion Ratio Lower Upper

276 100

138 11.2 15.1 22.7#

277 28.4 19.8 29.6

