

Data Path : Z:\HPCHEM1\BNA G\DATA\BG073115\
 Data File : BG018215.D
 Acq On : 1 Aug 2015 11:38
 Operator : TP/UM
 Sample : G3073-12
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 03 02:00:57 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	59021	20.00	ng/ul	0.01
18) Naphthalene-d8	10.27	136	259134	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.16	164	157639	20.00	ng/ul	0.01
62) Phenanthrene-d10	16.92	188	253030	20.00	ng/ul	0.01
78) Chrysene-d12	21.13	240	237395	20.00	ng/ul	0.02
86) Perylene-d12	23.32	264	246211	20.00	ng/ul	0.03

System Monitoring Compounds

3) 1,4-Dioxane-d8	2.97	96	1825	2.33	ng/uL	0.00
5) Phenol-d5	6.68	99	95290	17.96	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	6.83	67	46684	17.21	ng/ul	0.00
9) 2-Chlorophenol-d4	7.02	132	78580	19.60	ng/ul	0.01
13) 4-Methylphenol-d8	8.22	113	75629	17.50	ng/ul	0.01
19) Nitrobenzene-d5	8.64	128	42103	20.63	ng/ul	0.00
22) 2-Nitrophenol-d4	9.36	143	39054	16.67	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	9.90	165	82976	20.04	ng/ul	0.01
29) 4-Chloroaniline-d4	10.42	131	72429	14.04	ng/ul	0.02
44) Dimethylphthalate-d6	13.57	166	244594	20.08	ng/ul	0.00
47) Acenaphthylene-d8	13.85	160	273567	19.37	ng/ul	0.01
52) 4-Nitrophenol-d4	14.41	143	29137	12.92	ng/ul	0.02
58) Fluorene-d10	15.16	176	181856	16.50	ng/ul	0.01
63) 4,6-Dinitro-2-methylphenol	15.30	200	1947	1.10	ng/ul	0.00
71) Anthracene-d10	17.02	188	204416	18.58	ng/ul	0.01
79) Pyrene-d10	19.33	212	178837	15.57	ng/ul	0.01
90) Benzo(a)pyrene-d12	23.18	264	195438	15.70	ng/ul	0.03

Target Compounds

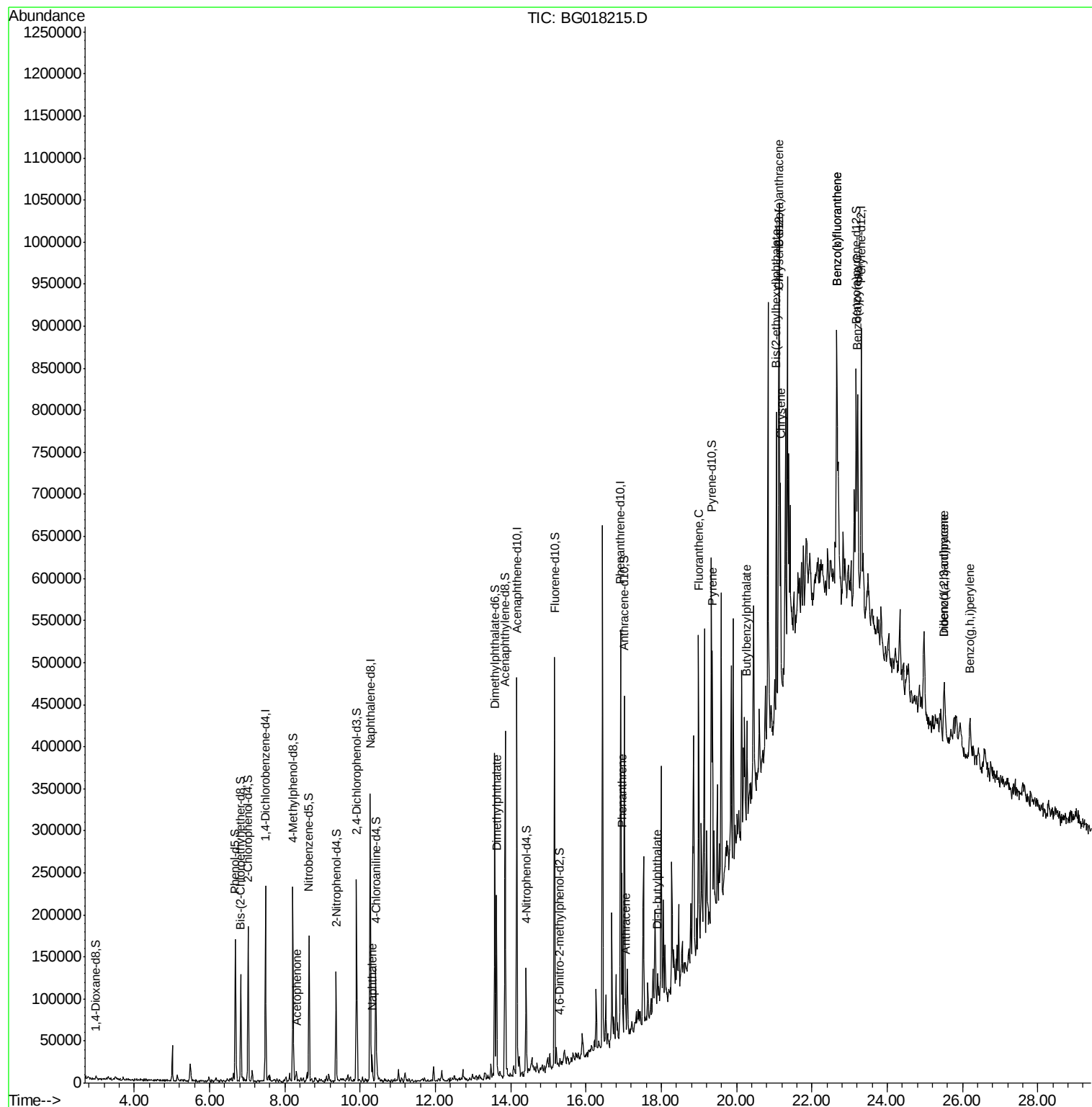
					Ovalue	
14) Acetophenone	8.31	105	7227	1.07	ng/ul	97
28) Naphthalene	10.32	128	18530	1.49	ng/ul#	95
45) Dimethylphthalate	13.63	163	129279	10.67	ng/ul	99
70) Phenanthrene	16.96	178	99205	7.72	ng/ul	98
72) Anthracene	17.05	178	26087	2.04	ng/ul	98
76) Di-n-butylphthalate	17.90	149	26990	1.91	ng/ul#	96
77) Fluoranthene	18.99	202	212129	15.03	ng/ul#	93
80) Pyrene	19.36	202	189781	13.18	ng/ul#	92
81) Butylbenzylphthalate	20.27	149	27269	4.66	ng/ul#	82
83) Benzo(a)anthracene	21.11	228	124039	9.70	ng/ul	99
84) Bis(2-ethylhexyl)phthalate	21.05	149	116138	14.72	ng/ul	95
85) Chrysene	21.17	228	125737	10.74	ng/ul	96
88) Benzo(b)fluoranthene	22.66	252	213299	14.42	ng/ul	96
89) Benzo(k)fluoranthene	22.66	252	213299	15.69	ng/ul	95
91) Benzo(a)pyrene	23.22	252	137937	10.42	ng/ul	95
92) Indeno(1,2,3-cd)pyrene	25.51	276	75289	4.92	ng/ul#	89
93) Dibenzo(a,h)anthracene	25.52	278	21037	1.60	ng/ul#	87
94) Benzo(g,h,i)perylene	26.20	276	59637	4.77	ng/ul#	91

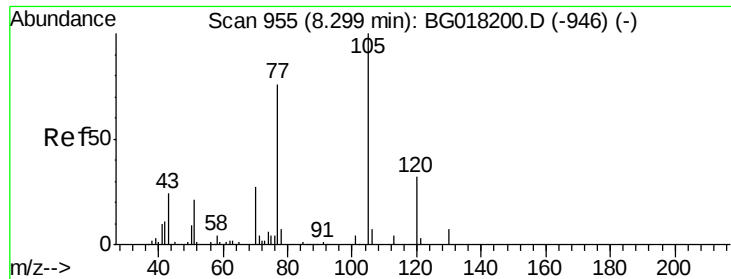
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#14

Acetophenone

Concen: 1.07 ng/ul

RT: 8.31 min Scan# 957

Delta R.T. 0.01 min

Lab File: BG018215.D

Acq: 1 Aug 2015 11:38

Instrument :

BNA_G

ClientSampleId :

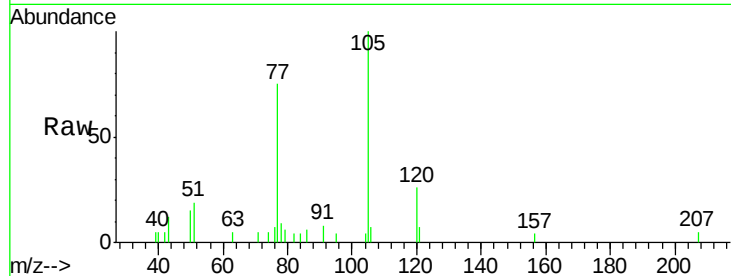
Tot Ion:105 Resp: 7227

Ion Ratio Lower Upper

105 100

77 75.1 58.4 87.6

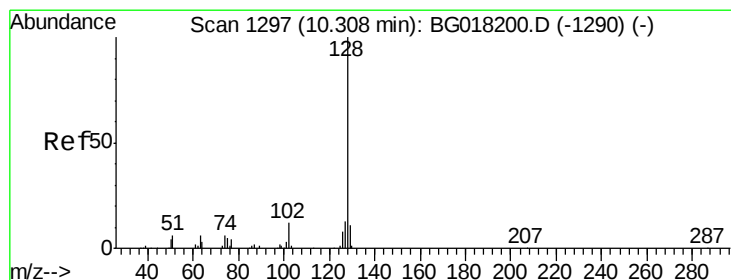
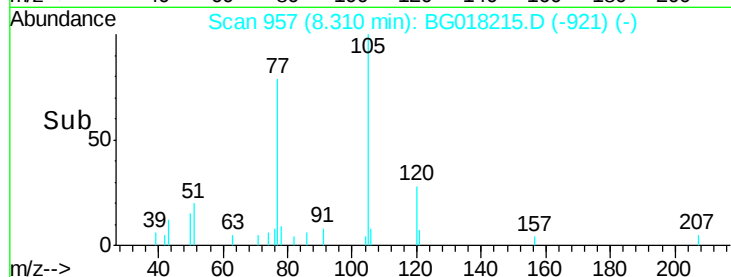
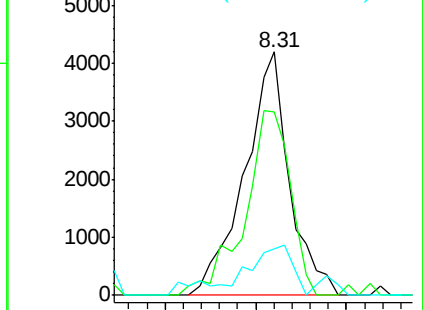
51 18.9 16.5 24.7



Abundance Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC

Ion 51.00 (50.70 to 51.70): BGC



#28

Naphthalene

Concen: 1.49 ng/ul

RT: 10.32 min Scan# 1299

Delta R.T. 0.01 min

Lab File: BG018215.D

Acq: 1 Aug 2015 11:38

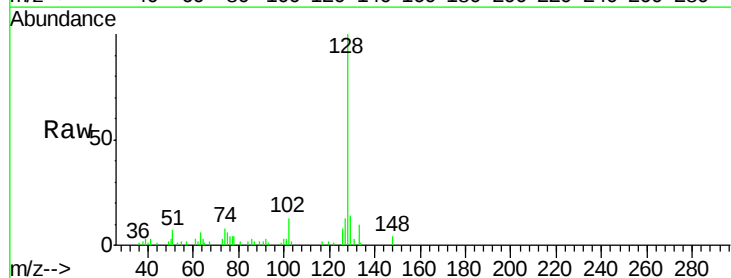
Tgt Ion:128 Resp: 18530

Ion Ratio Lower Upper

128 100

129 13.8 9.1 13.7#

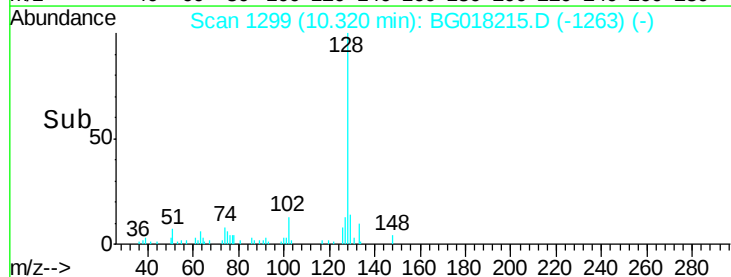
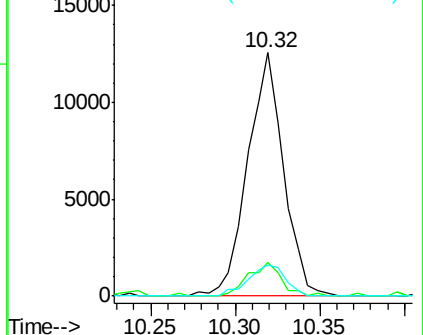
127 12.7 11.2 16.8

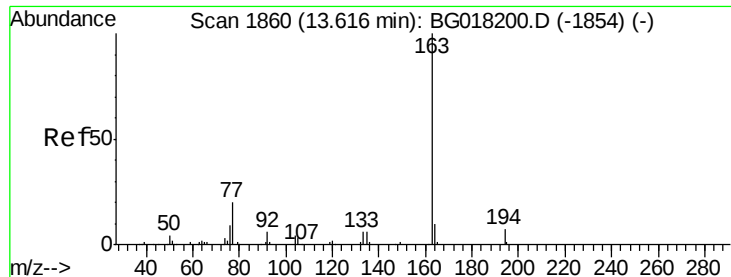


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#45

Dimethylphthalate

Concen: 10.67 ng/ul

RT: 13.63 min Scan# 1862

Delta R.T. 0.01 min

Lab File: BG018215.D

Acq: 1 Aug 2015 11:38

Instrument :

BNA_G

ClientSampleId :

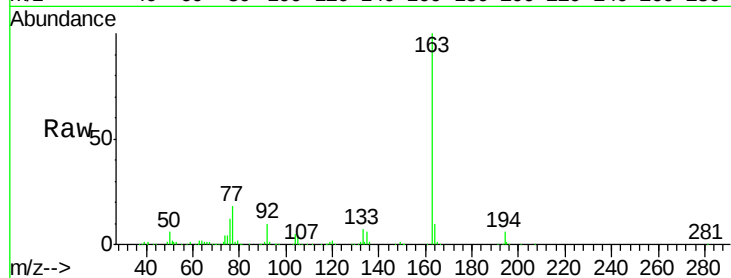
Tot Ion:163 Resp: 129279

Ion Ratio Lower Upper

163 100

194 6.2 5.2 7.8

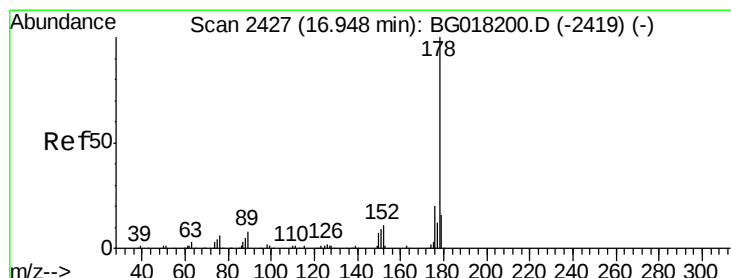
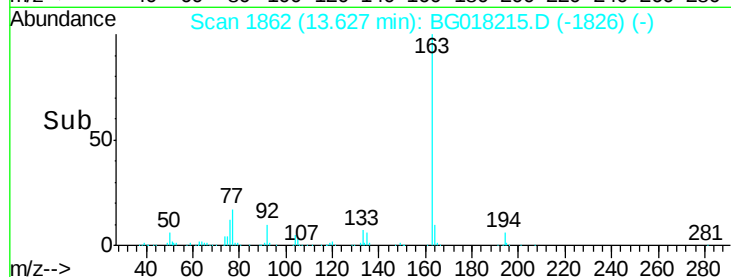
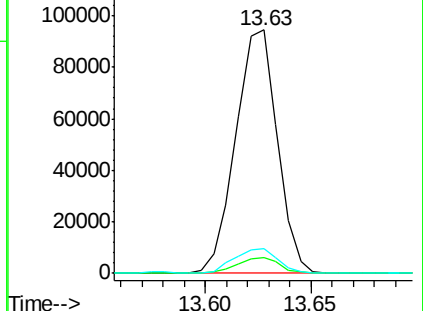
164 10.2 8.4 12.6



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



#70

Phenanthrene

Concen: 7.72 ng/ul

RT: 16.96 min Scan# 2429

Delta R.T. 0.01 min

Lab File: BG018215.D

Acq: 1 Aug 2015 11:38

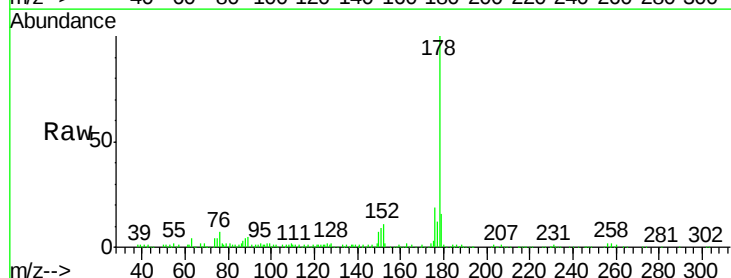
Tgt Ion:178 Resp: 99205

Ion Ratio Lower Upper

178 100

179 15.5 12.8 19.2

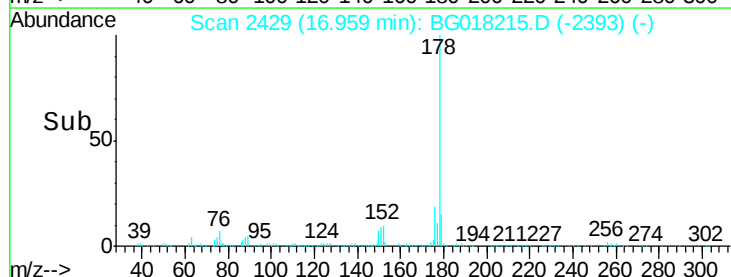
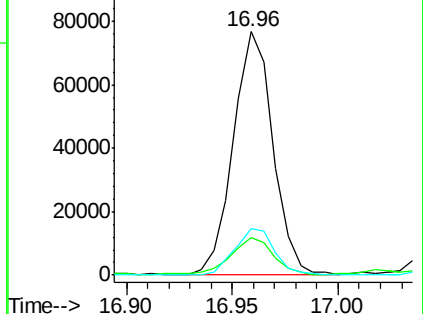
176 19.0 16.0 24.0

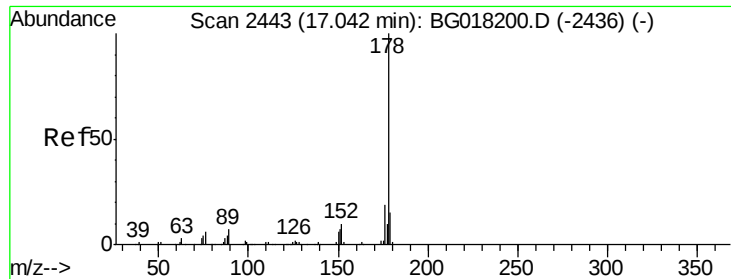


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Anthracene

Concen: 2.04 ng/ul

RT: 17.05 min Scan# 2445

Delta R.T. 0.01 min

Lab File: BG018215.D

Acq: 1 Aug 2015 11:38

Instrument :

BNA_G

ClientSampled :

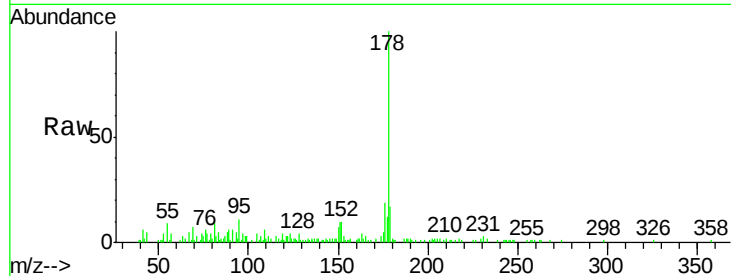
Tot Ion:178 Resp: 26087

Ion Ratio Lower Upper

178 100

179 17.1 12.2 18.2

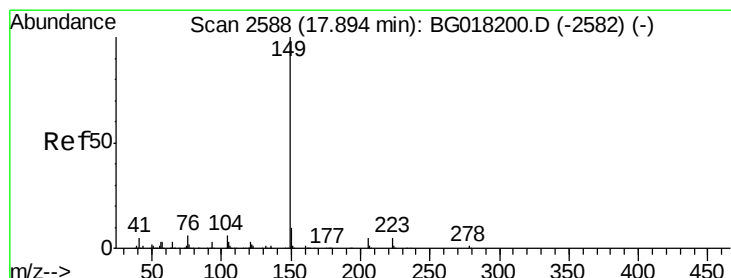
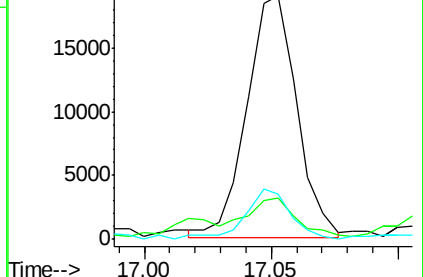
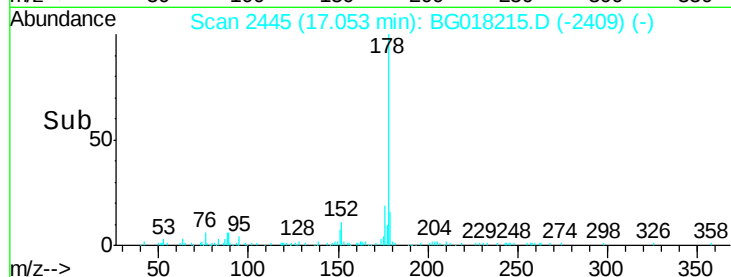
176 18.7 14.8 22.2



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



#76

Di-n-butylphthalate

Concen: 1.91 ng/ul

RT: 17.90 min Scan# 2589

Delta R.T. 0.01 min

Lab File: BG018215.D

Acq: 1 Aug 2015 11:38

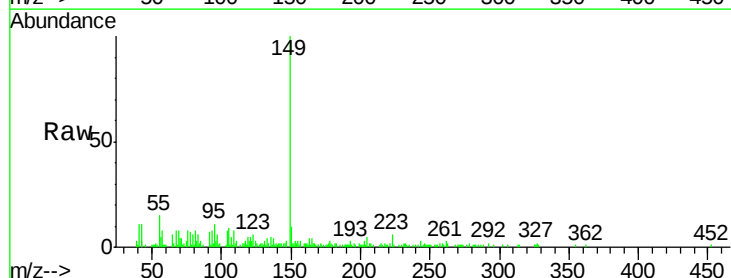
Tgt Ion:149 Resp: 26990

Ion Ratio Lower Upper

149 100

150 10.1 7.7 11.5

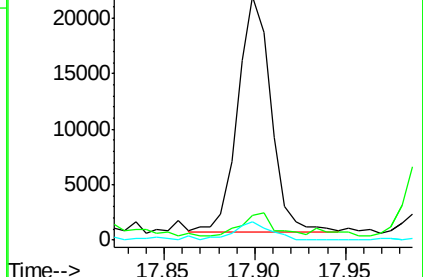
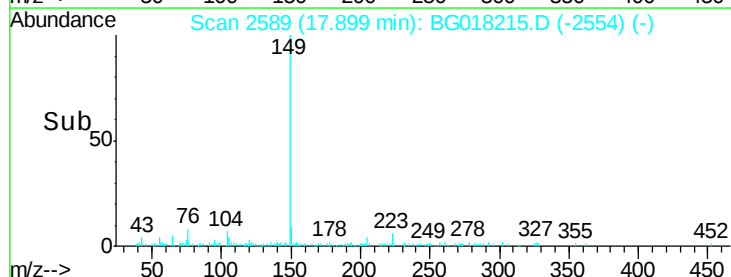
104 7.5 3.6 5.4#

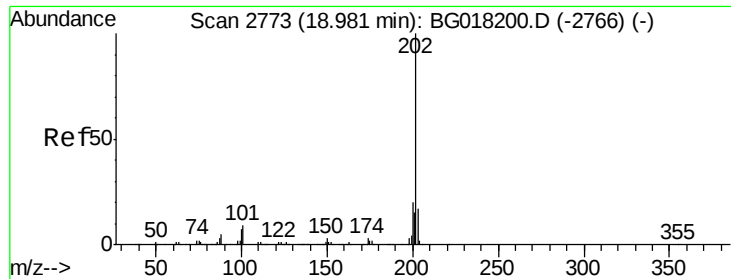


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

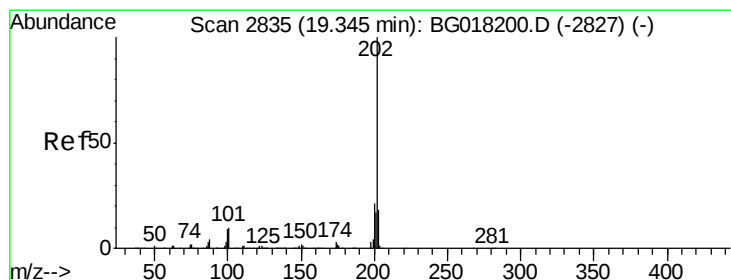
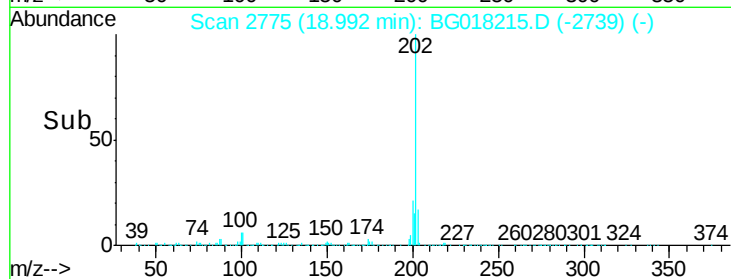
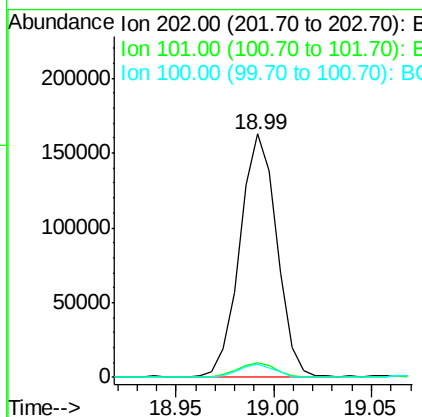
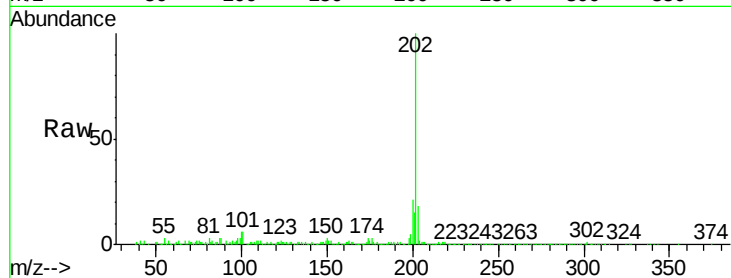




#77
 Fluoranthene
 Concen: 15.03 ng/ul
 RT: 18.99 min Scan# 2775
 Delta R.T. 0.01 min
 Lab File: BG018215.D
 Acq: 1 Aug 2015 11:38

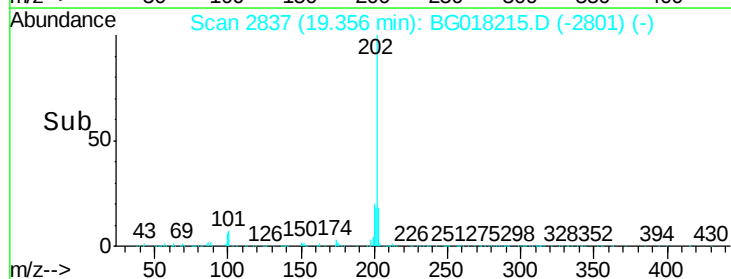
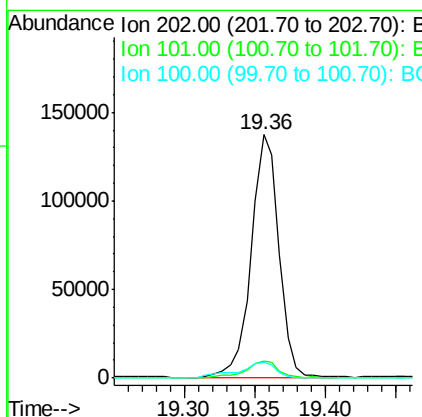
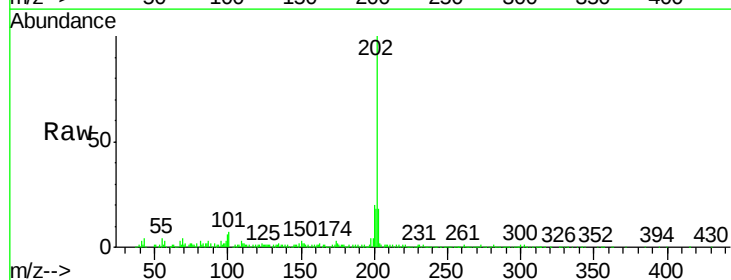
Instrument :
 BNA_G
 ClientSampleId :

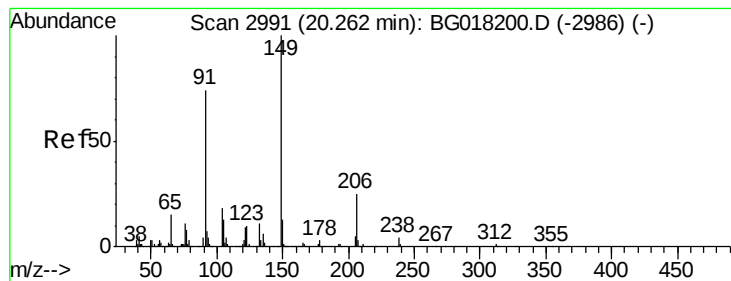
Tot Ion	Ratio	Lower	Upper
202	100		
101	5.9	7.5	11.3#
100	5.5	5.5	8.3



#80
 Pyrene
 Concen: 13.18 ng/ul
 RT: 19.36 min Scan# 2837
 Delta R.T. 0.01 min
 Lab File: BG018215.D
 Acq: 1 Aug 2015 11:38

Tgt Ion	Ratio	Lower	Upper
202	100		
101	7.1	8.1	12.1#
100	6.2	7.4	11.0#





#81

Butylbenzylphthalate

Concen: 4.66 ng/ul

RT: 20.27 min Scan# 2993

Delta R.T. 0.01 min

Lab File: BG018215.D

Acq: 1 Aug 2015 11:38

Instrument :

BNA_G

ClientSampleId :

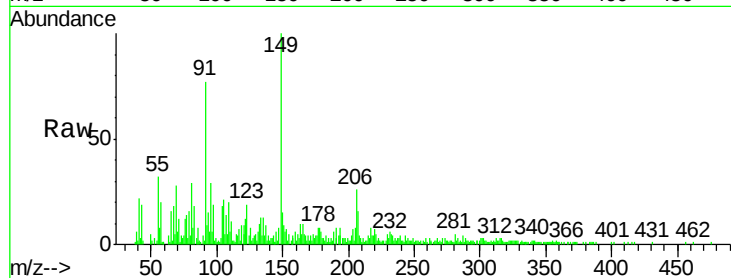
Tot Ion:149 Resp: 27269

Ion Ratio Lower Upper

149 100

91 76.7 46.6 69.8#

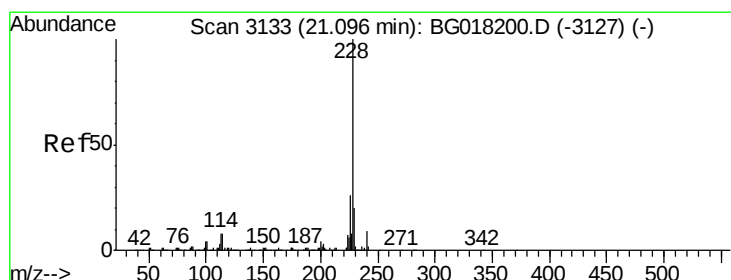
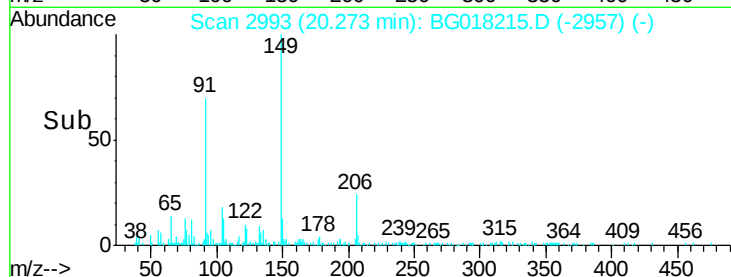
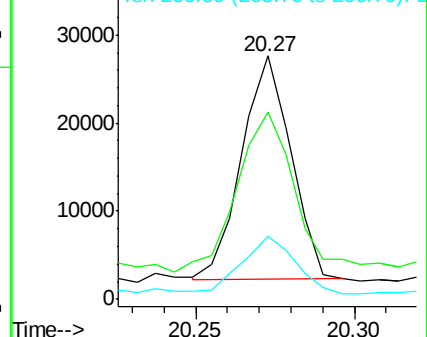
206 25.8 21.8 32.8



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: 9.70 ng/ul

RT: 21.11 min Scan# 3136

Delta R.T. 0.02 min

Lab File: BG018215.D

Acq: 1 Aug 2015 11:38

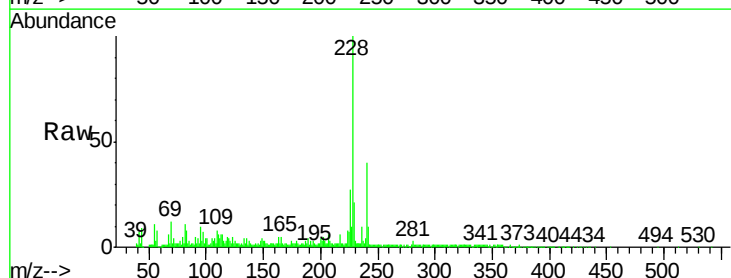
Tgt Ion:228 Resp: 124039

Ion Ratio Lower Upper

228 100

229 21.0 16.5 24.7

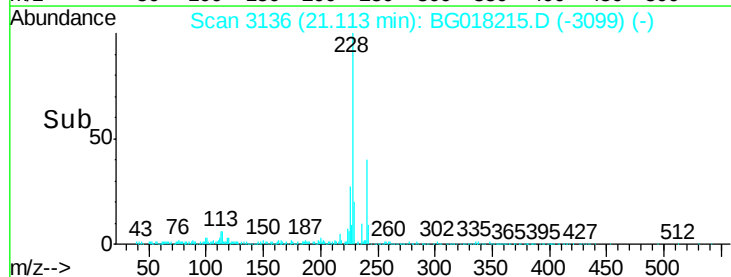
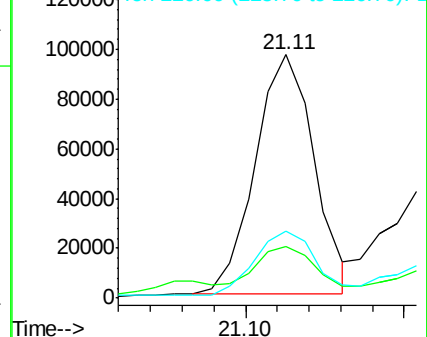
226 27.3 21.5 32.3

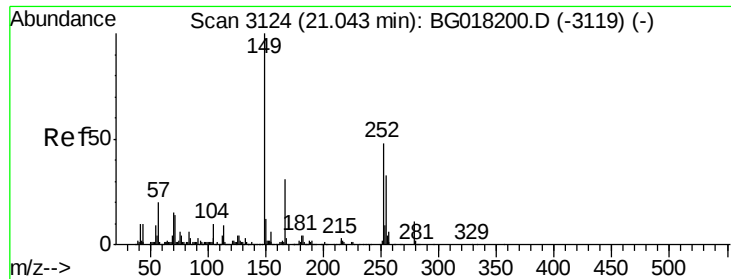


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#84

Bis(2-ethylhexyl)phthalate

Concen: 14.72 ng/ul

RT: 21.05 min Scan# 3126

Delta R.T. 0.01 min

Lab File: BG018215.D

Acq: 1 Aug 2015 11:38

Instrument :

BNA_G

ClientSampleId :

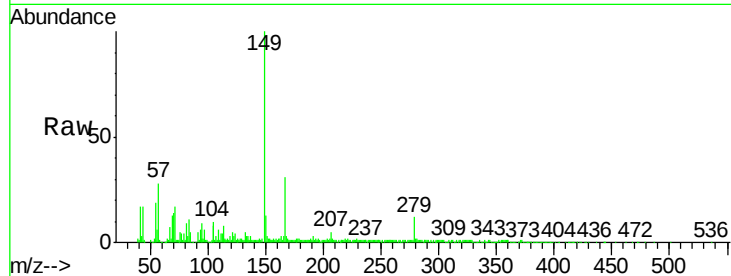
Tot Ion:149 Resp: 116138

Ion Ratio Lower Upper

149 100

167 31.2 27.4 41.2

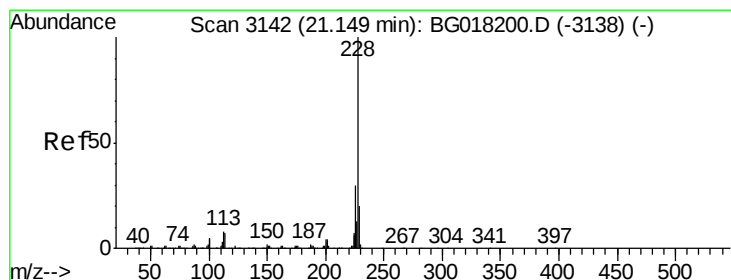
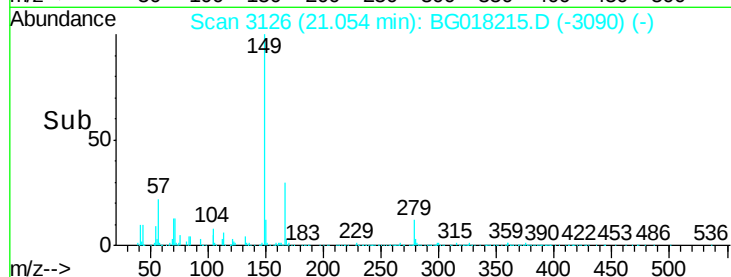
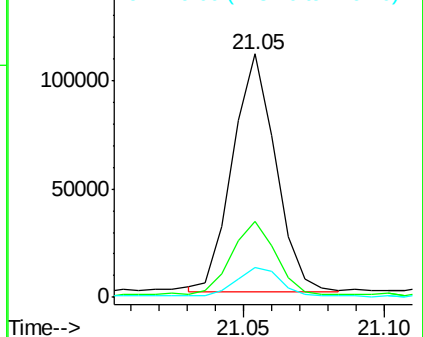
279 12.3 8.3 12.5



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: 10.74 ng/ul

RT: 21.17 min Scan# 3145

Delta R.T. 0.02 min

Lab File: BG018215.D

Acq: 1 Aug 2015 11:38

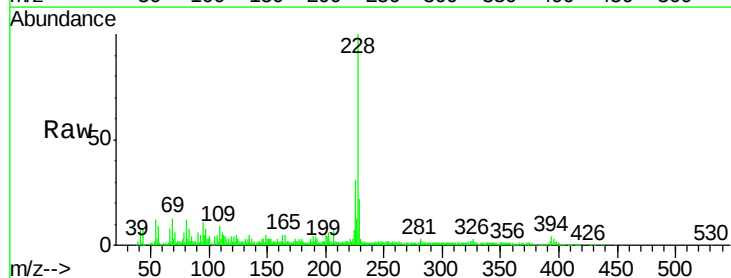
Tgt Ion:228 Resp: 125737

Ion Ratio Lower Upper

228 100

226 30.5 22.7 34.1

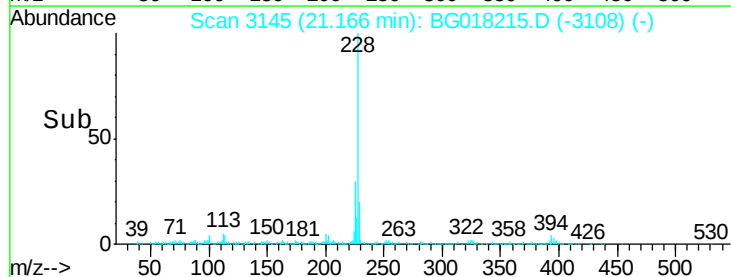
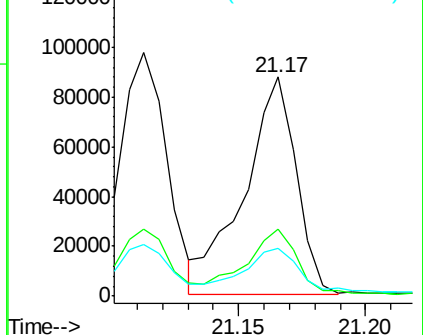
229 21.8 16.2 24.2

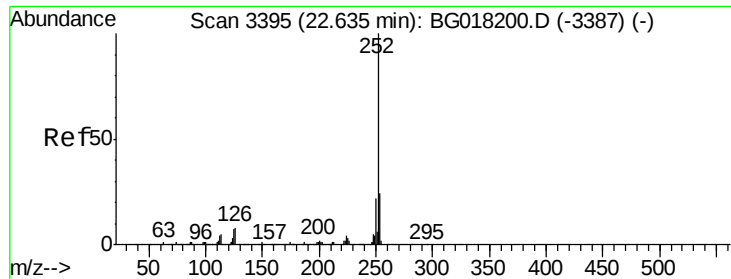


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#88

Benzo(b)fluoranthene

Concen: 14.42 ng/ul

RT: 22.66 min Scan# 3399

Delta R.T. 0.02 min

Lab File: BG018215.D

Acq: 1 Aug 2015 11:38

Instrument :

BNA_G

ClientSampleId :

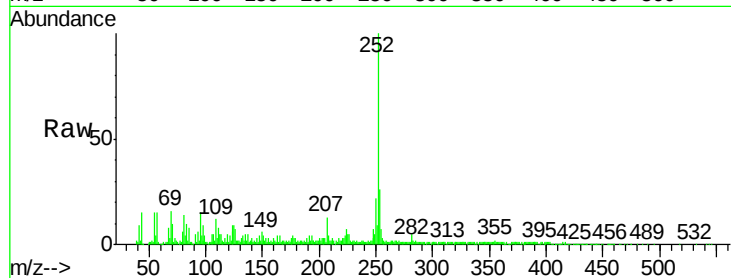
Tot Ion:252 Resp: 213299

Ion Ratio Lower Upper

252 100

253 26.0 18.5 27.7

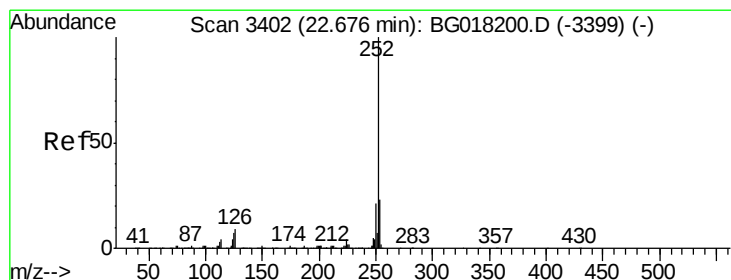
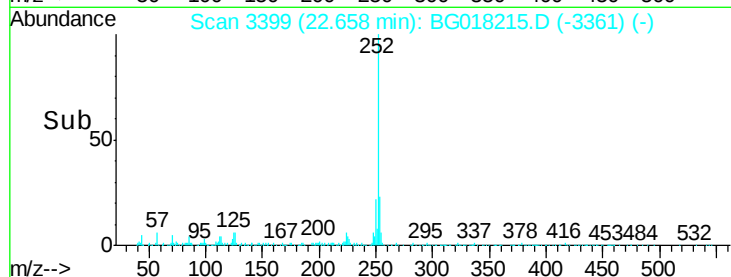
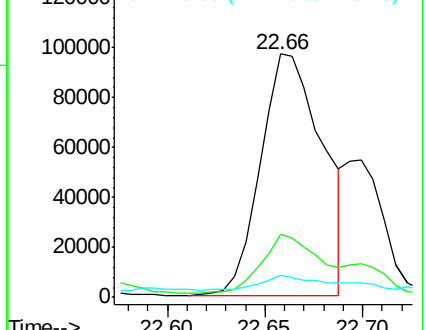
125 9.0 7.4 11.0



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: 15.69 ng/ul

RT: 22.66 min Scan# 3399

Delta R.T. -0.02 min

Lab File: BG018215.D

Acq: 1 Aug 2015 11:38

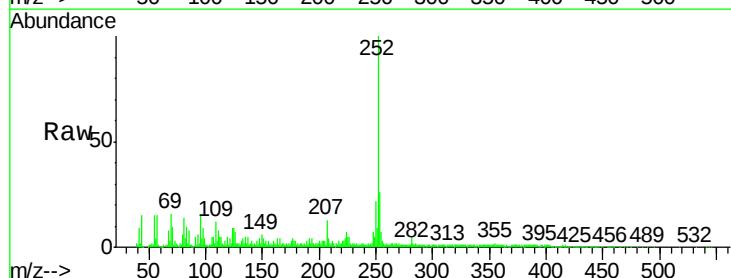
Tgt Ion:252 Resp: 213299

Ion Ratio Lower Upper

252 100

253 26.0 18.2 27.2

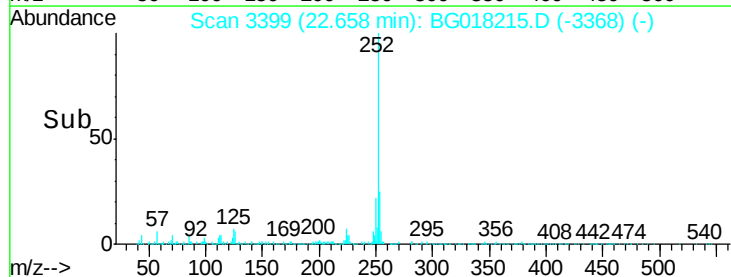
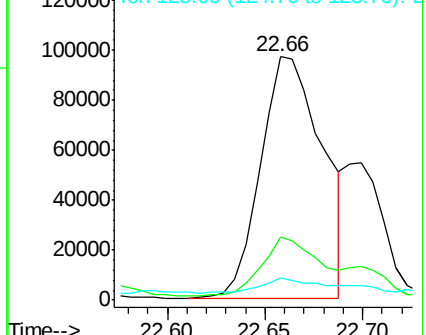
125 9.0 7.5 11.3

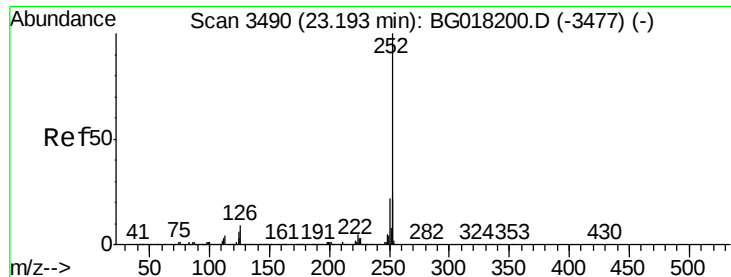


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a)pyrene

Concen: 10.42 ng/ul

RT: 23.22 min Scan# 3494

Delta R.T. 0.02 min

Lab File: BG018215.D

Acq: 1 Aug 2015 11:38

Instrument :

BNA_G

ClientSampled :

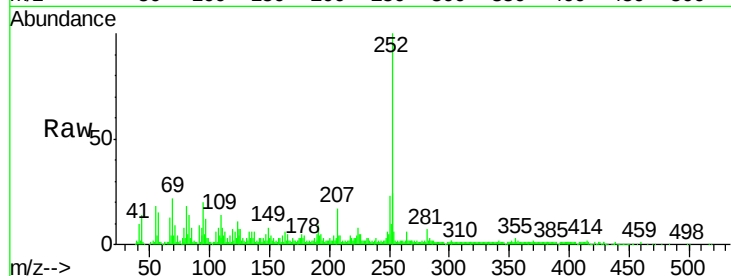
Tot Ion:252 Resp: 137937

Ion Ratio Lower Upper

252 100

253 24.3 17.4 26.2

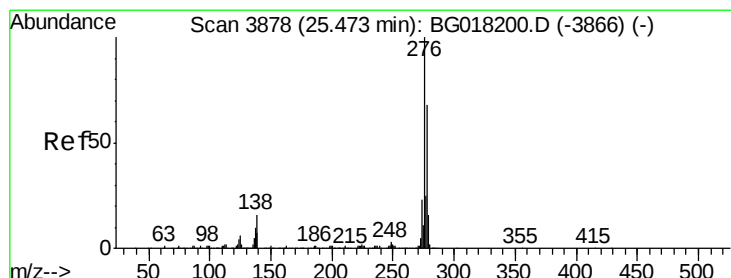
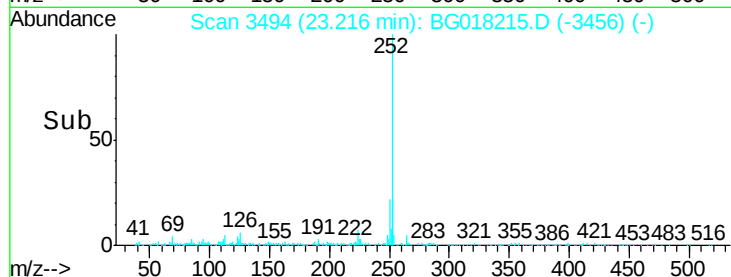
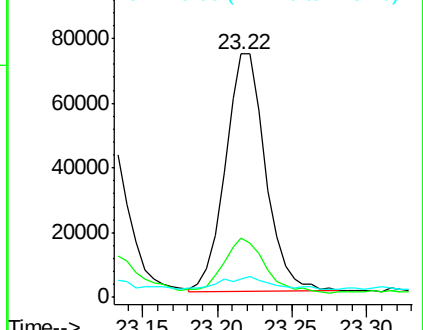
125 7.5 7.3 10.9



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: 4.92 ng/ul

RT: 25.51 min Scan# 3885

Delta R.T. 0.04 min

Lab File: BG018215.D

Acq: 1 Aug 2015 11:38

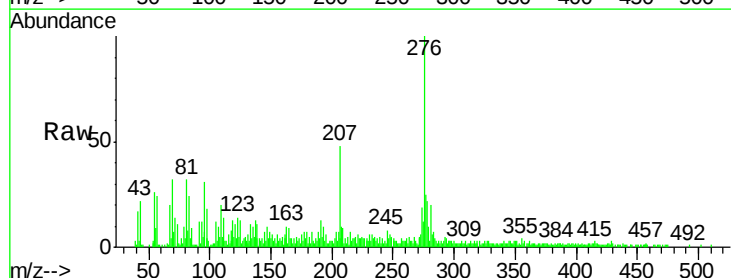
Tgt Ion:276 Resp: 75289

Ion Ratio Lower Upper

276 100

138 11.2 17.2 25.8#

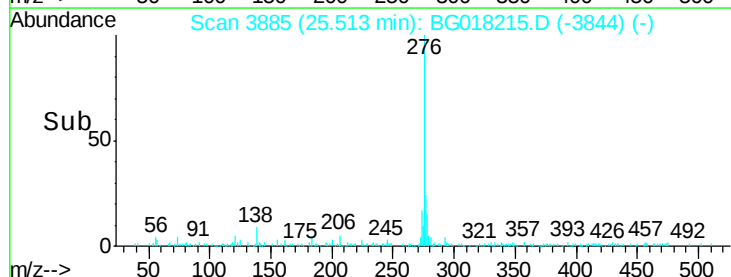
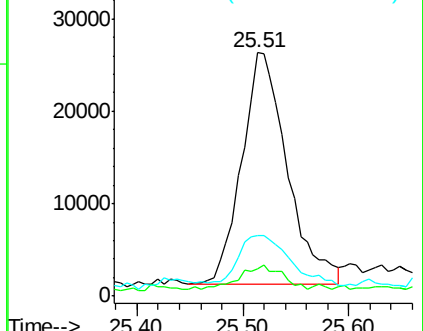
277 24.7 19.5 29.3

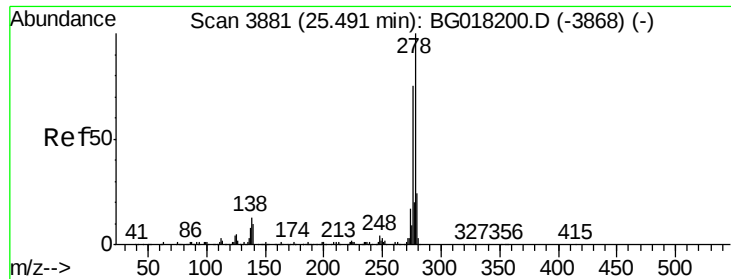


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#93

Dibenzo(a,h)anthracene

Concen: 1.60 ng/ul

RT: 25.52 min Scan# 3886

Delta R.T. 0.03 min

Lab File: BG018215.D

Acq: 1 Aug 2015 11:38

Instrument :

BNA_G

ClientSampleId :

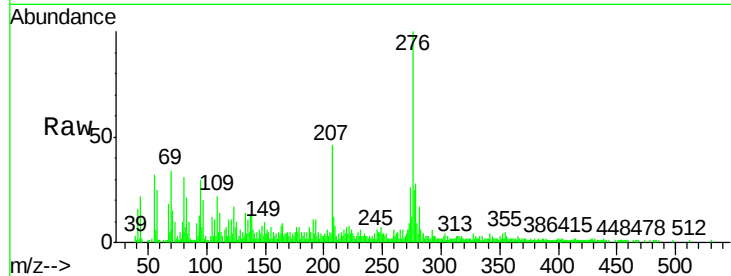
Tot Ion:278 Resp: 21037

Ion Ratio Lower Upper

278 100

139 21.3 12.2 18.2#

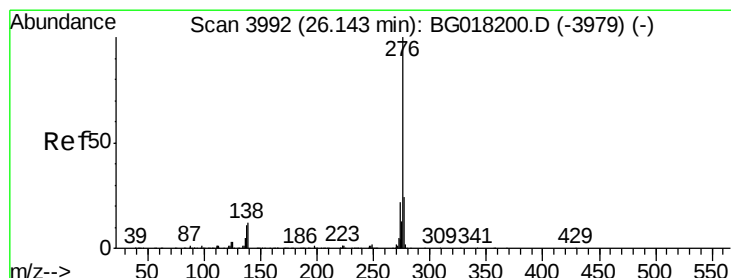
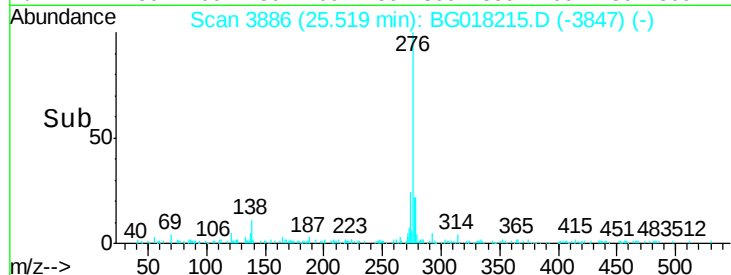
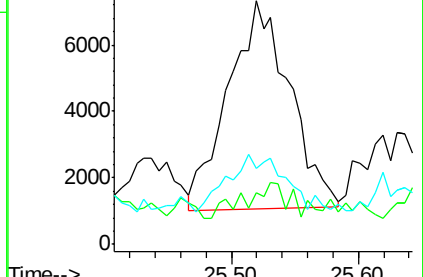
279 31.3 20.0 30.0#



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(g,h,i)perylene

Concen: 4.77 ng/ul

RT: 26.20 min Scan# 4001

Delta R.T. 0.05 min

Lab File: BG018215.D

Acq: 1 Aug 2015 11:38

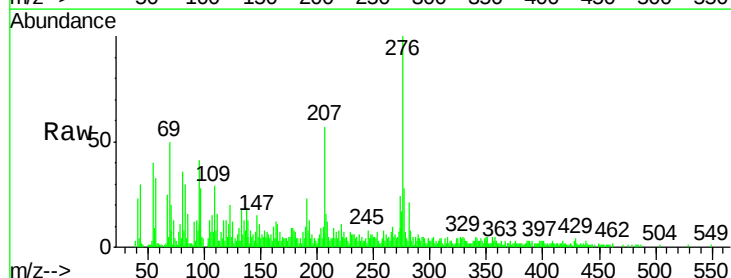
Tgt Ion:276 Resp: 59637

Ion Ratio Lower Upper

276 100

138 13.1 15.1 22.7#

277 28.0 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

