

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080515\
 Data File : BG018286.D
 Acq On : 6 Aug 2015 00:22
 Operator : UM/TP
 Sample : G3095-21RE
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C01M5RE

Quant Time: Aug 06 05:04:03 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080515.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Aug 06 03:42:27 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.43	152	57251	20.00	ng/ul	0.00
18) Naphthalene-d8	10.21	136	266092	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.12	164	187394	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.88	188	390292	20.00	ng/ul	0.00
78) Chrysene-d12	21.08	240	202140	20.00	ng/ul	0.00
86) Perylene-d12	23.25	264	200884	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	2.90	96	1463	2.20	ng/uL	0.00
5) Phenol-d5	6.64	99	70958	15.76	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.78	67	35541	16.33	ng/ul	0.00
9) 2-Chlorophenol-d4	6.97	132	61459	16.40	ng/ul	0.00
13) 4-Methylphenol-d8	8.17	113	52661	13.85	ng/ul	0.00
19) Nitrobenzene-d5	8.59	128	32368	15.71	ng/ul	0.00
22) 2-Nitrophenol-d4	9.30	143	39327	16.50	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.86	165	67473	15.40	ng/ul	0.00
29) 4-Chloroaniline-d4	10.37	131	39849	7.59	ng/ul	0.00
44) Dimethylphthalate-d6	13.53	166	208927	14.42	ng/ul	0.00
47) Acenaphthylene-d8	13.80	160	243684	14.83	ng/ul	0.00
52) 4-Nitrophenol-d4	14.37	143	26157	10.94	ng/ul	0.00
58) Fluorene-d10	15.11	176	185183	14.22	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.26	200	32669	12.09	ng/ul	0.00
71) Anthracene-d10	16.97	188	242963	14.15	ng/ul	0.00
79) Pyrene-d10	19.29	212	195793	17.31	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.11	264	125203	11.98	ng/ul	0.00

Target Compounds

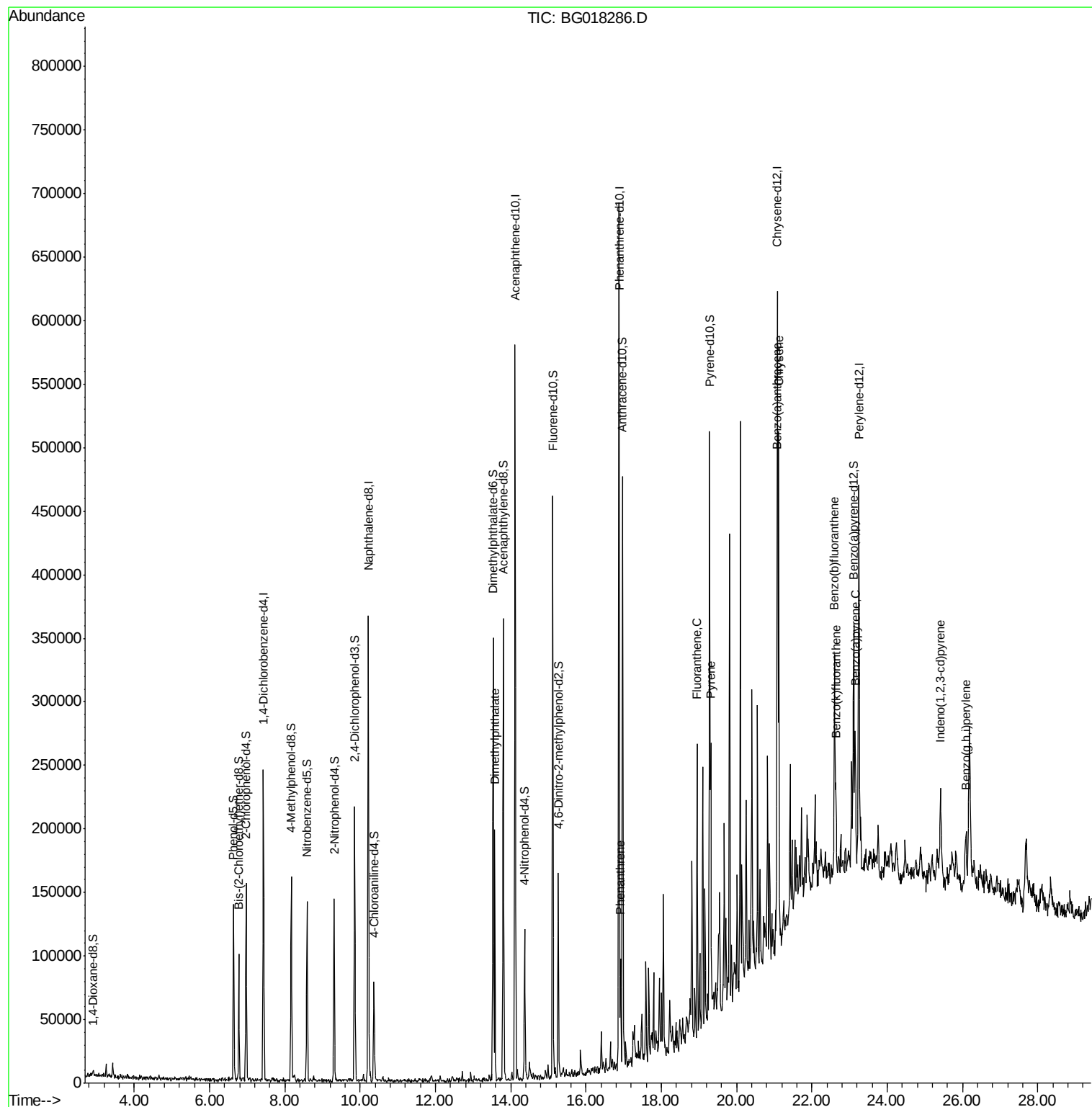
						Qvalue
45) Dimethylphthalate	13.58	163	114886	7.95	ng/ul	97
70) Phenanthrene	16.92	178	43845	2.23	ng/ul	99
77) Fluoranthene	18.95	202	127705	5.85	ng/ul	97
80) Pyrene	19.31	202	122220	8.70	ng/ul	97
83) Benzo(a)anthracene	21.07	228	45769	4.29	ng/ul	96
85) Chrysene	21.12	228	74721	7.79	ng/ul	97
88) Benzo(b)fluoranthene	22.61	252	110012	8.93	ng/ul#	95
89) Benzo(k)fluoranthene	22.64	252	30699	2.60	ng/ul#	91
91) Benzo(a)pyrene	23.15	252	58304	5.42	ng/ul#	96
92) Indeno(1,2,3-cd)pyrene	25.42	276	61180	4.60	ng/ul#	87
94) Benzo(g,h,i)perylene	26.08	276	29467	2.73	ng/ul#	98

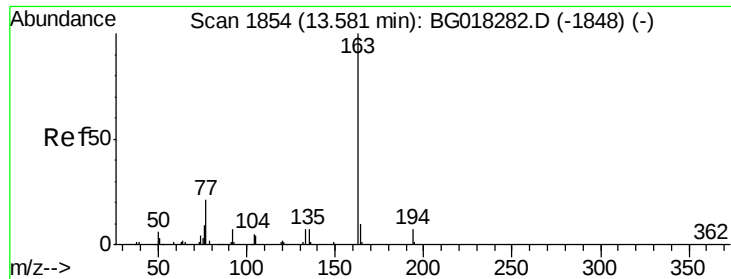
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#45

Dimethylphthalate

Concen: 7.95 ng/ul

RT: 13.58 min Scan# 1854

Delta R.T. -0.00 min

Lab File: BG018286.D

Acq: 6 Aug 2015 00:22

Instrument :

BNA_G

ClientSampleId :

C01M5RE

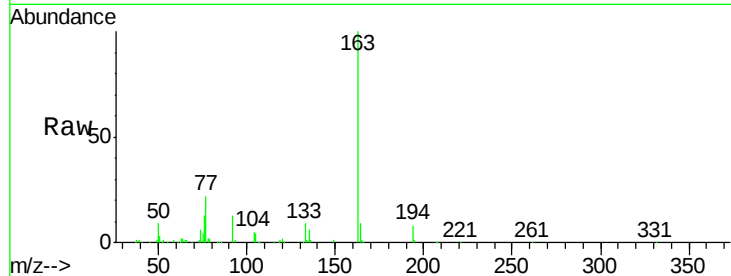
Tgt Ion:163 Resp: 114886

Ion Ratio Lower Upper

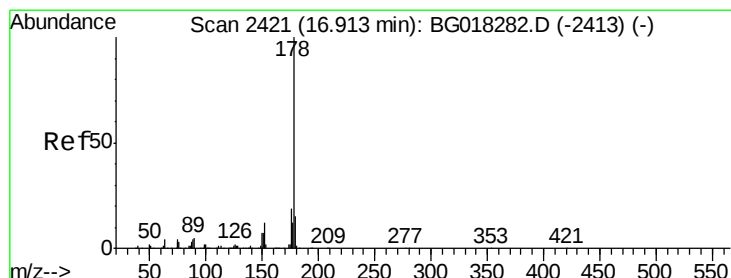
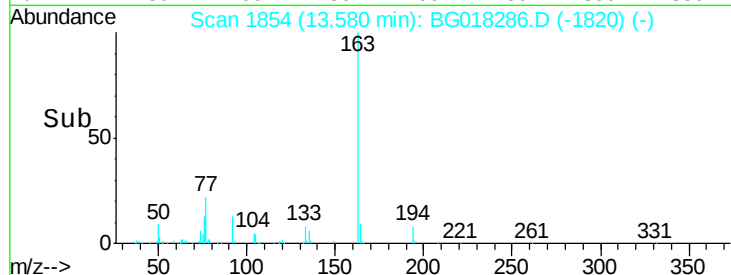
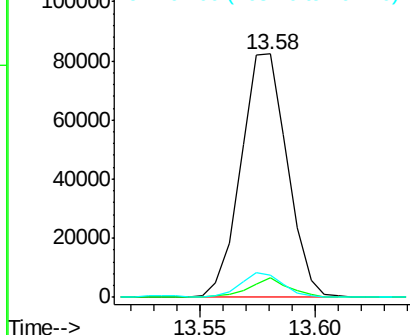
163 100

194 8.1 5.4 8.2

164 9.2 7.8 11.8



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: 2.23 ng/ul

RT: 16.92 min Scan# 2422

Delta R.T. 0.00 min

Lab File: BG018286.D

Acq: 6 Aug 2015 00:22

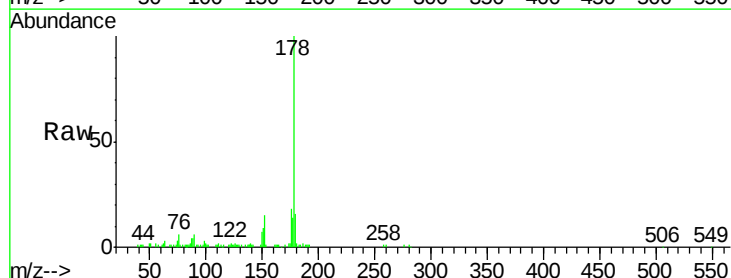
Tgt Ion:178 Resp: 43845

Ion Ratio Lower Upper

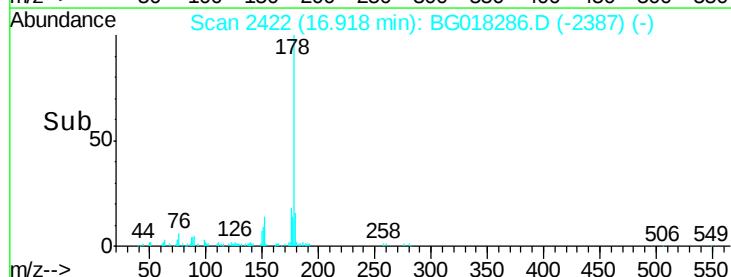
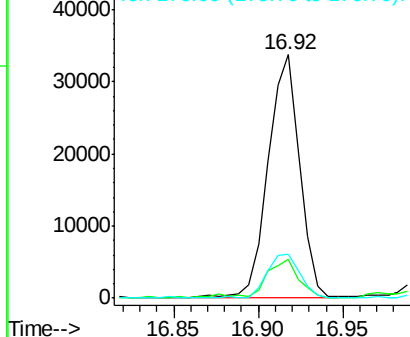
178 100

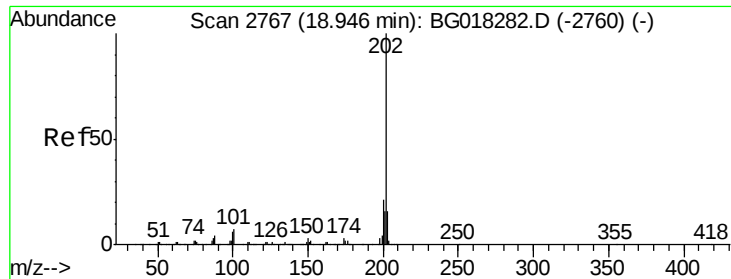
179 15.7 12.2 18.4

176 18.1 14.5 21.7



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

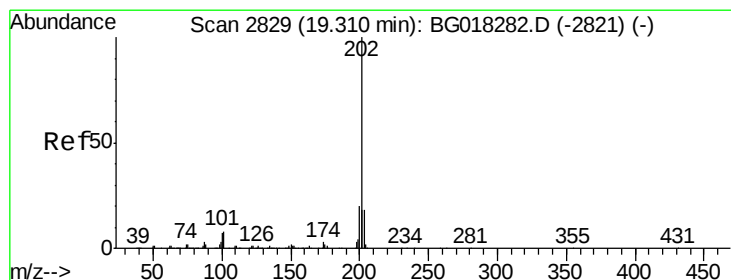
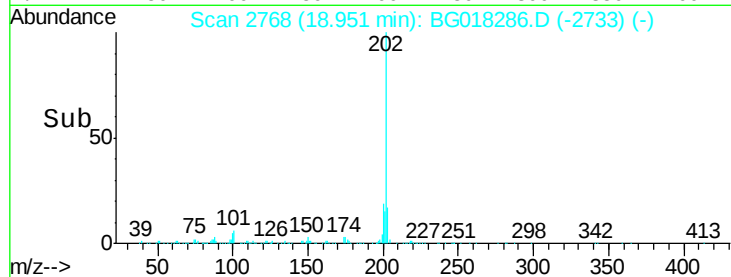
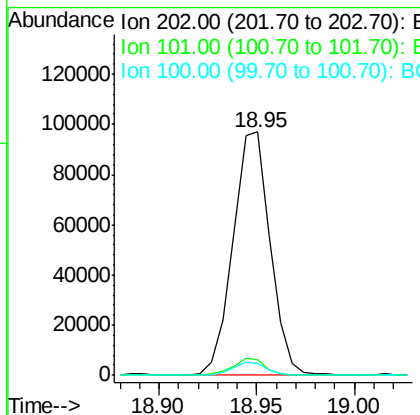
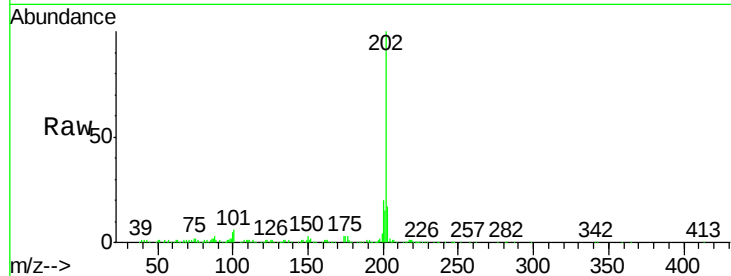




#77
 Fluoranthene
 Concen: 5.85 ng/ul
 RT: 18.95 min Scan# 2768
 Delta R.T. 0.00 min
 Lab File: BG018286.D
 Acq: 6 Aug 2015 00:22

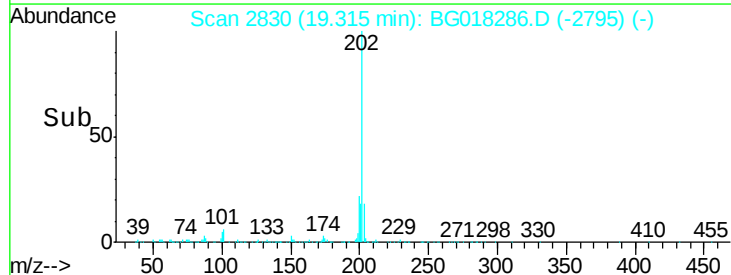
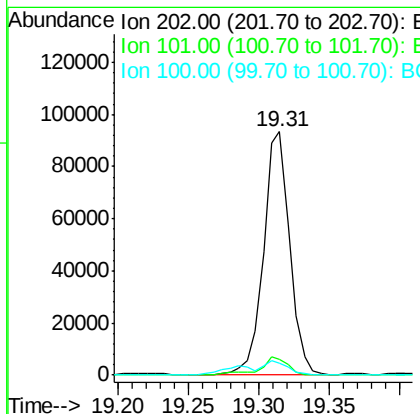
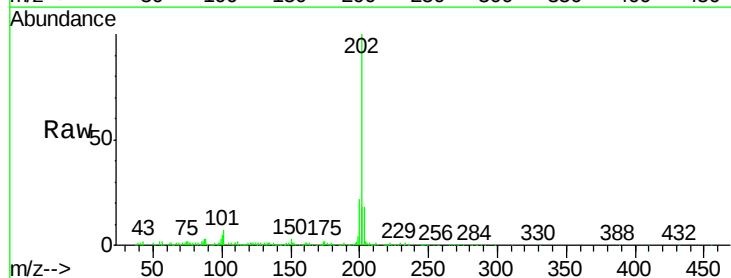
Instrument :
 BNA_G
 ClientSampleId :
 C01M5RE

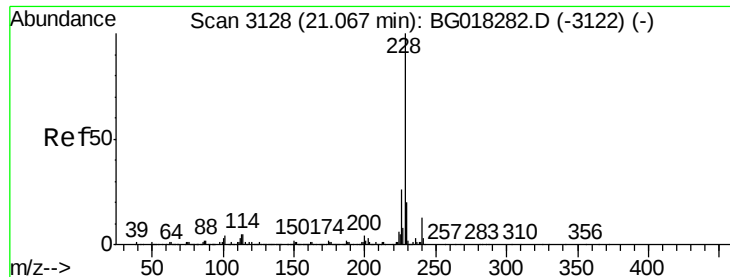
Tgt Ion	Ratio	Lower	Upper
202	100		
101	6.3	6.2	9.2
100	5.1	4.6	6.8



#80
 Pyrene
 Concen: 8.70 ng/ul
 RT: 19.31 min Scan# 2830
 Delta R.T. 0.00 min
 Lab File: BG018286.D
 Acq: 6 Aug 2015 00:22

Tgt Ion	Ratio	Lower	Upper
202	100		
101	6.6	6.2	9.2
100	4.9	4.6	7.0





#83

Benzo(a)anthracene

Concen: 4.29 ng/ul

RT: 21.07 min Scan# 3129

Delta R.T. 0.00 min

Lab File: BG018286.D

Acq: 6 Aug 2015 00:22

Instrument :

BNA_G

ClientSampleId :

C01M5RE

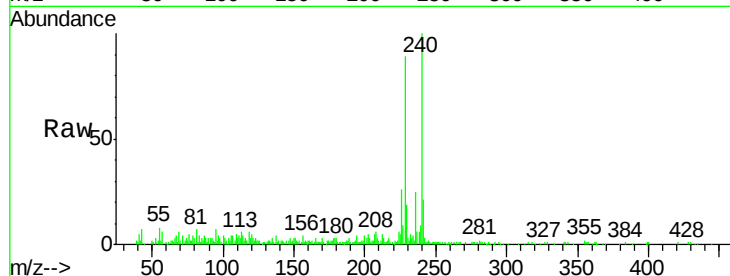
Tgt Ion:228 Resp: 45769

Ion Ratio Lower Upper

228 100

229 21.9 16.3 24.5

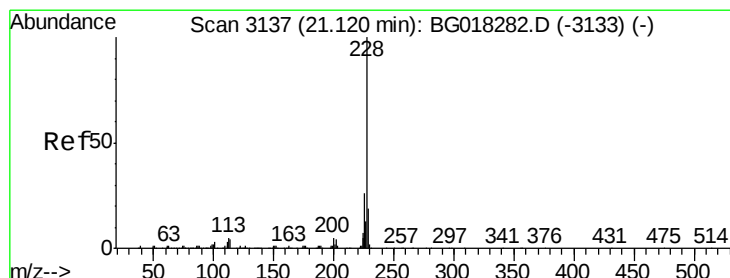
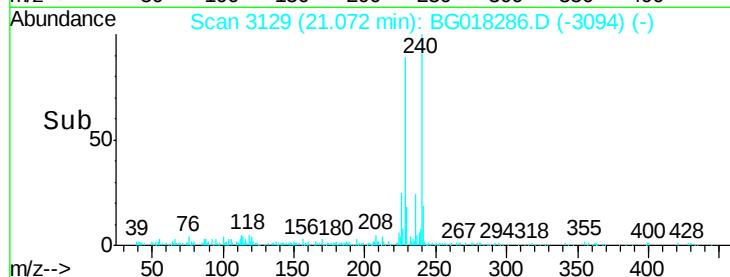
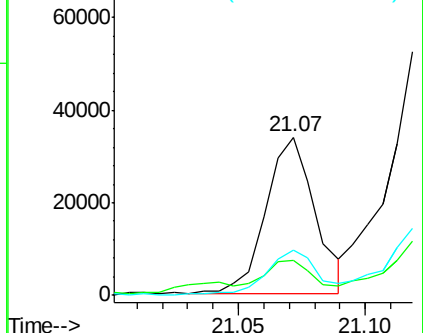
226 28.8 21.2 31.8



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



#85

Chrysene

Concen: 7.79 ng/ul

RT: 21.12 min Scan# 3137

Delta R.T. -0.00 min

Lab File: BG018286.D

Acq: 6 Aug 2015 00:22

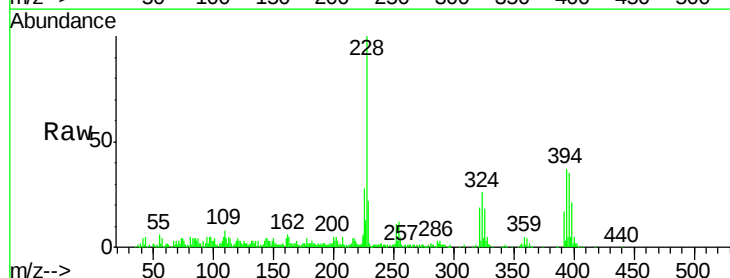
Tgt Ion:228 Resp: 74721

Ion Ratio Lower Upper

228 100

226 27.5 23.0 34.6

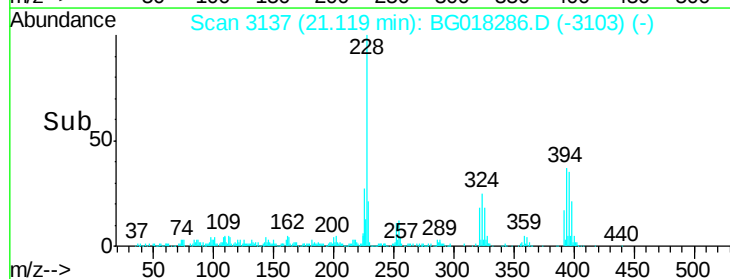
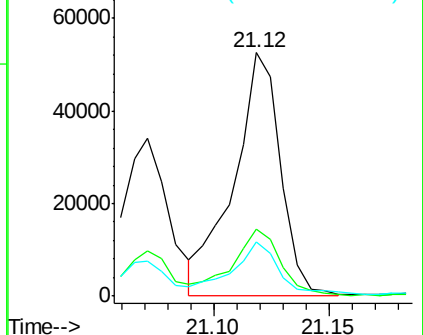
229 22.0 15.9 23.9

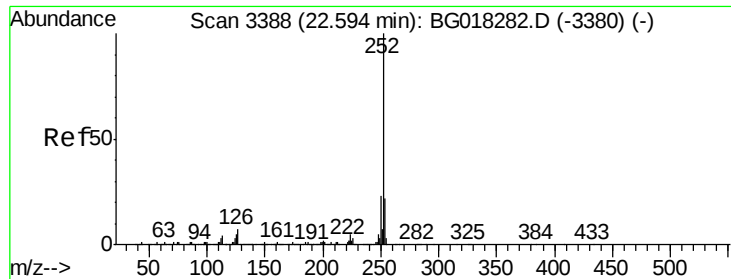


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#88

Benzo(b)fluoranthene

Concen: 8.93 ng/ul

RT: 22.61 min Scan# 3390

Delta R.T. 0.01 min

Lab File: BG018286.D

Acq: 6 Aug 2015 00:22

Instrument :

BNA_G

ClientSampleId :

C01M5RE

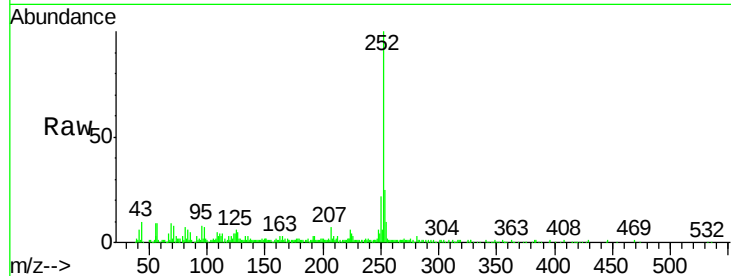
Tgt Ion:252 Resp: 110012

Ion Ratio Lower Upper

252 100

253 25.1 18.1 27.1

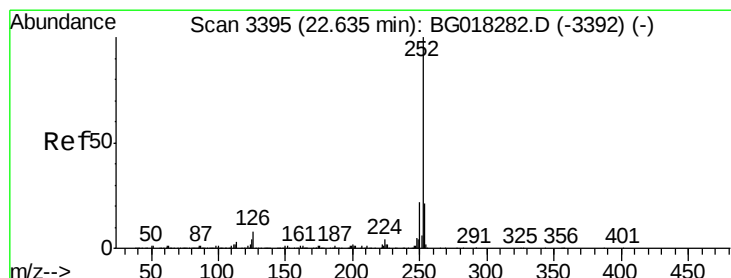
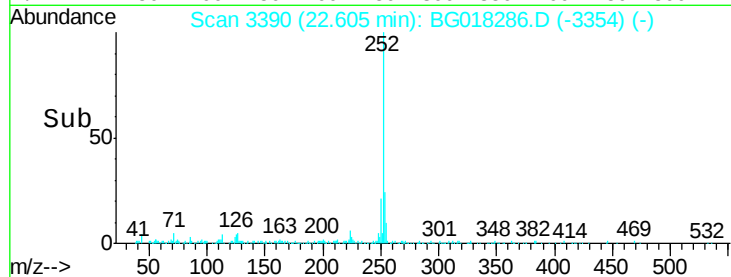
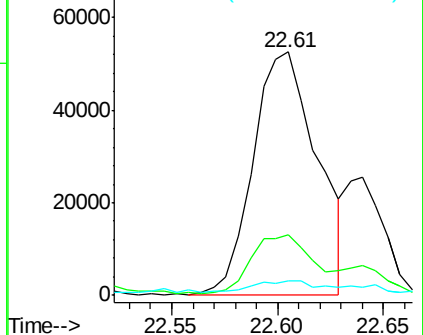
125 6.2 3.1 4.7#



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: 2.60 ng/ul

RT: 22.64 min Scan# 3396

Delta R.T. 0.00 min

Lab File: BG018286.D

Acq: 6 Aug 2015 00:22

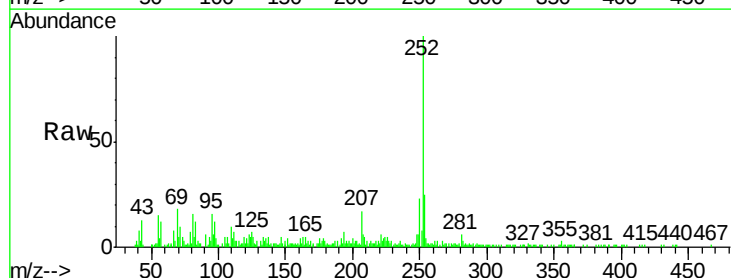
Tgt Ion:252 Resp: 30699

Ion Ratio Lower Upper

252 100

253 24.9 16.4 24.6#

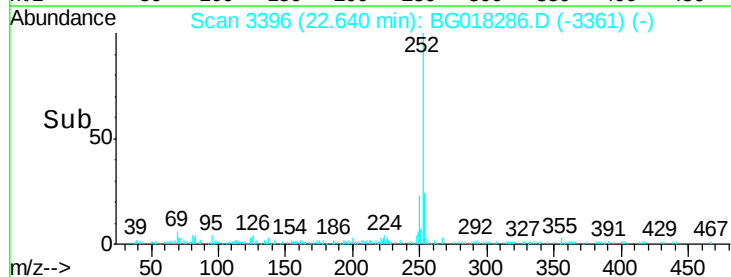
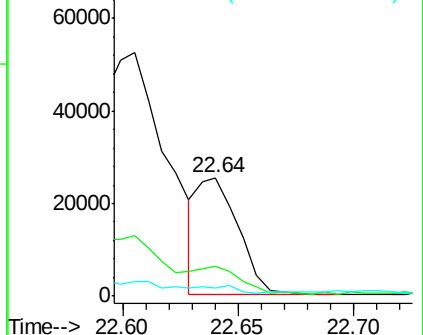
125 7.0 3.4 5.2#

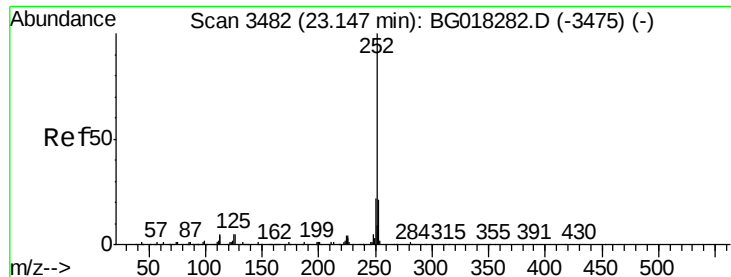


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a)pyrene

Concen: 5.42 ng/ul

RT: 23.15 min Scan# 3483

Delta R.T. 0.00 min

Lab File: BG018286.D

Acq: 6 Aug 2015 00:22

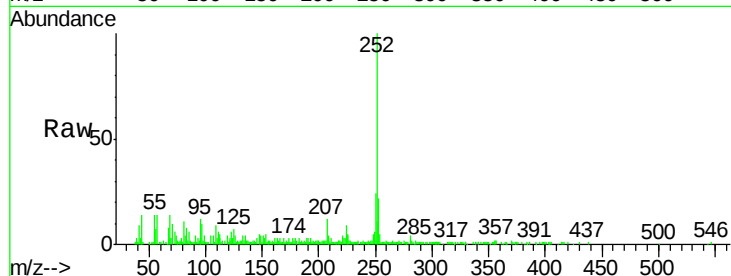
Instrument :

BNA_G

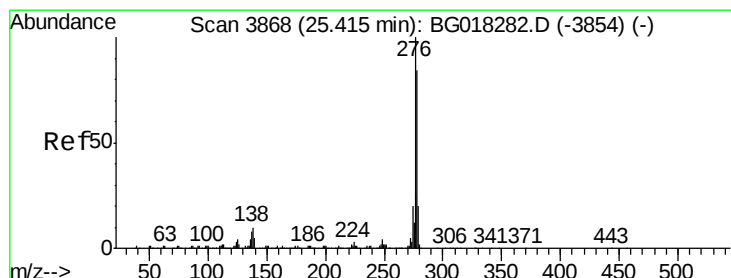
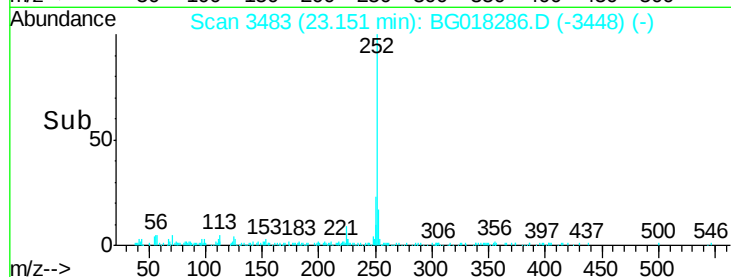
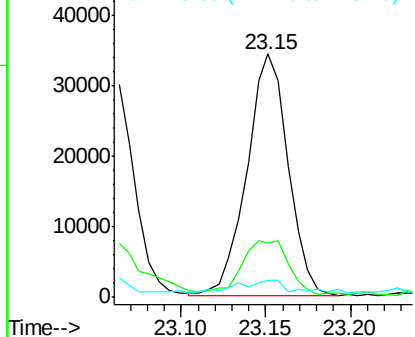
ClientSampleId :

C01M5RE

Tgt Ion:	252	Resp:	58304
Ion Ratio	Lower	Upper	
252	100		
253	22.1	18.9	28.3
125	7.3	3.2	4.8#



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: 4.60 ng/ul

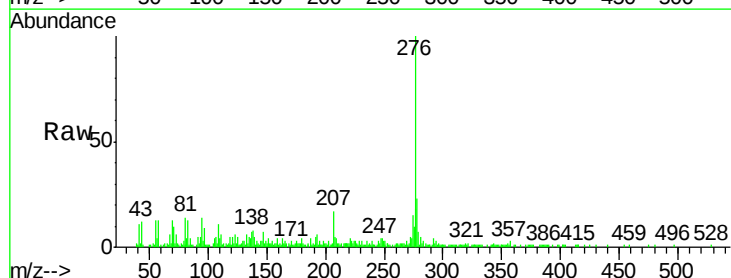
RT: 25.42 min Scan# 3869

Delta R.T. 0.00 min

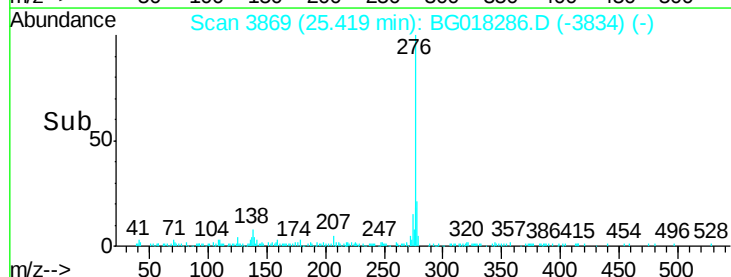
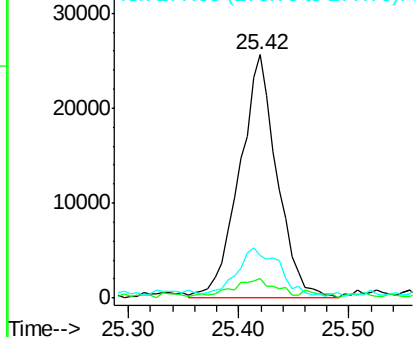
Lab File: BG018286.D

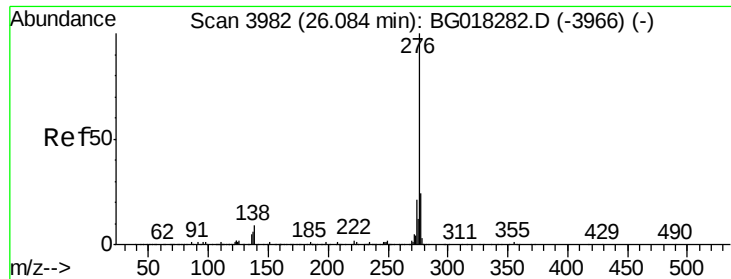
Acq: 6 Aug 2015 00:22

Tgt Ion:	276	Resp:	61180
Ion Ratio	Lower	Upper	
276	100		
138	7.9	8.2	12.4#
277	17.5	20.1	30.1#



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





#94

Benzo(g,h,i)perylene

Concen: 2.73 ng/ul

RT: 26.08 min Scan# 3982

Delta R.T. -0.00 min

Lab File: BG018286.D

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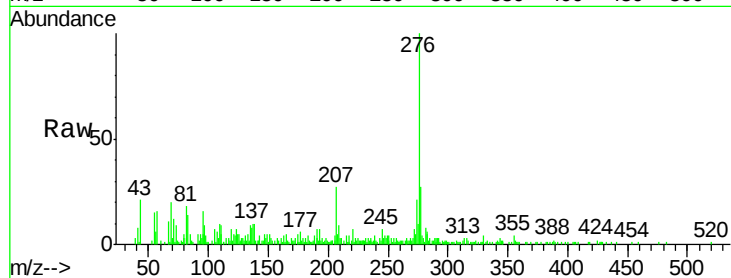
Tgt Ion: 276 Resp: 29467

Ion Ratio Lower Upper

276 100

138 9.9 6.0 9.0#

277 26.9 21.1 31.7



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

