

Data Path : Z:\HPCHEM1\BNA G\DATA\BG072715\
 Data File : BG018160.D
 Acq On : 28 Jul 2015 23:18
 Operator : TP/UM
 Sample : G3048-21
 Misc :
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C02K1

Quant Time: Jul 29 03:56:33 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG072315.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jul 28 01:54:27 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.51	152	57701	20.00	ng/ul	0.00
18) Naphthalene-d8	10.30	136	248216	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.19	164	146797	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.94	188	285954	20.00	ng/ul	0.00
78) Chrysene-d12	21.15	240	313632	20.00	ng/ul	0.01
86) Perylene-d12	23.36	264	332350	20.00	ng/ul	0.02

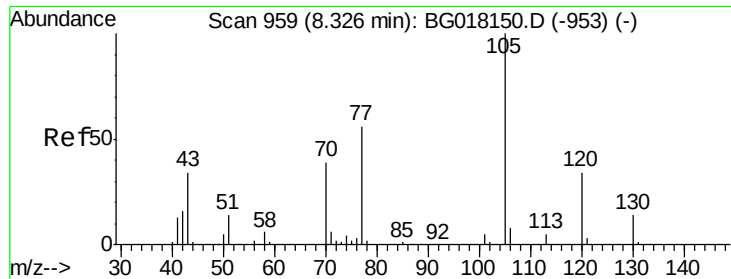
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.02	96	1063	1.15	ng/uL	0.00
5) Phenol-d5	6.70	99	26226	5.89	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.85	67	16614	7.56	ng/ul	0.00
9) 2-Chlorophenol-d4	7.05	132	29078	7.37	ng/ul	0.00
13) 4-Methylphenol-d8	8.23	113	9241	2.34	ng/ul	0.00
19) Nitrobenzene-d5	8.66	128	17117	8.72	ng/ul	0.00
22) 2-Nitrophenol-d4	9.39	143	18654	9.00	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.93	165	23251	6.45	ng/ul	0.00
29) 4-Chloroaniline-d4	10.44	131	2341	0.56	ng/ul	0.00
44) Dimethylphthalate-d6	13.60	166	85864	8.33	ng/ul	0.00
47) Acenaphthylene-d8	13.88	160	100040	7.90	ng/ul	0.00
52) 4-Nitrophenol-d4	14.42	143	8468	3.91	ng/ul	0.01
58) Fluorene-d10	15.19	176	72795	7.64	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.32	200	2062	1.13	ng/ul	0.00
71) Anthracene-d10	17.04	188	97333	7.86	ng/ul	0.00
79) Pyrene-d10	19.35	212	104175	7.25	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.22	264	117882	7.43	ng/ul	0.02

Target Compounds

						Ovalue
14) Acetophenone	8.33	105	10332	1.86	ng/ul	86
28) Naphthalene	10.34	128	47596	4.09	ng/ul	98
34) 2-Methylnaphthalene	11.97	142	10555	1.20	ng/ul	94
45) Dimethylphthalate	13.65	163	38529	3.71	ng/ul	99
70) Phenanthrene	16.98	178	74857	5.21	ng/ul	99
76) Di-n-butylphthalate	17.93	149	22906	1.38	ng/ul#	94
77) Fluoranthene	19.02	202	140734	9.20	ng/ul	96
80) Pyrene	19.38	202	133626	7.44	ng/ul	99
81) Butylbenzylphthalate	20.30	149	9959	1.36	ng/ul#	86
83) Benzo(a)anthracene	21.14	228	58895	3.55	ng/ul	94
84) Bis(2-ethylhexyl)phthalate	21.08	149	37502	3.56	ng/ul#	96
85) Chrysene	21.19	228	71442	4.57	ng/ul#	92
88) Benzo(b)fluoranthene	22.70	252	105039	5.77	ng/ul#	8
91) Benzo(a)pyrene	23.26	252	55494	3.15	ng/ul#	16
92) Indeno(1,2,3-cd)pyrene	25.58	276	32548	1.60	ng/ul#	89
94) Benzo(g,h,i)perylene	26.27	276	26322	1.57	ng/ul#	84

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



#14

Acetophenone

Concen: 1.86 ng/ul

RT: 8.33 min Scan# 960

Delta R.T. 0.00 min

Lab File: BG018160.D

Acq: 28 Jul 2015 23:18

Instrument :

BNA_G

ClientSampled :

C02K1

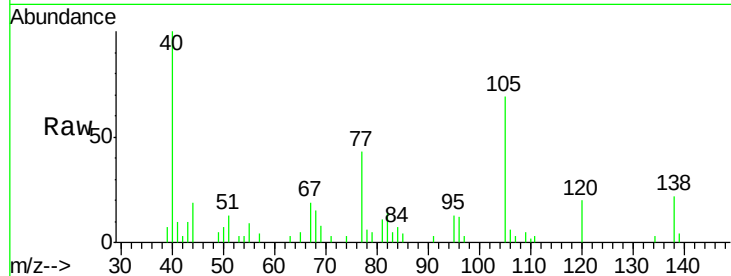
Tot Ion:105 Resp: 10332

Ion Ratio Lower Upper

105 100

77 62.8 61.7 92.5

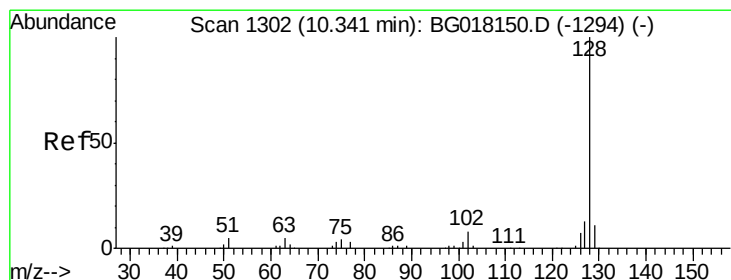
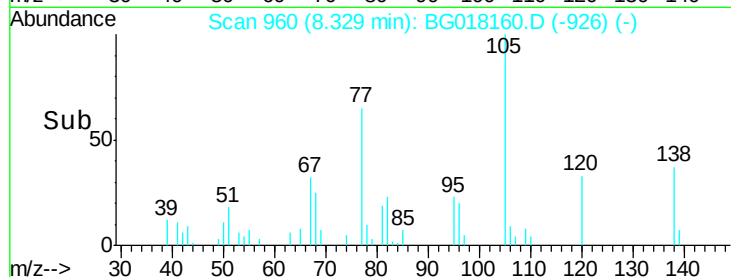
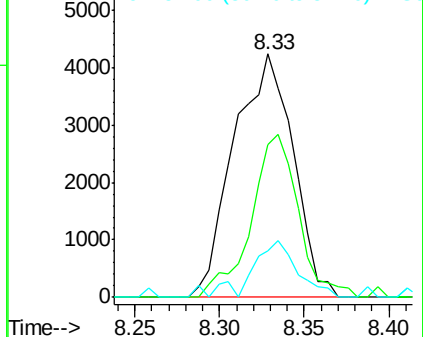
51 19.3 18.1 27.1



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: 4.09 ng/ul

RT: 10.34 min Scan# 1303

Delta R.T. 0.00 min

Lab File: BG018160.D

Acq: 28 Jul 2015 23:18

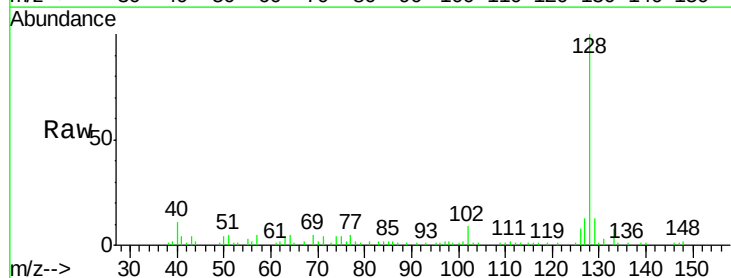
Tgt Ion:128 Resp: 47596

Ion Ratio Lower Upper

128 100

129 13.2 9.5 14.3

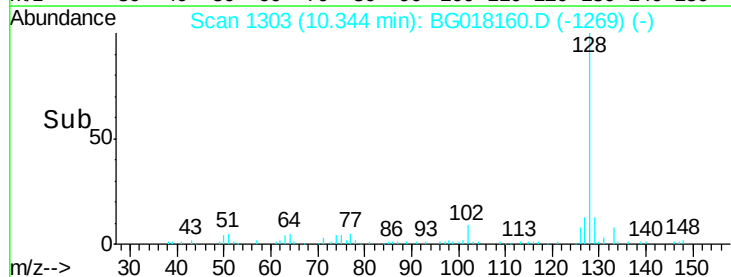
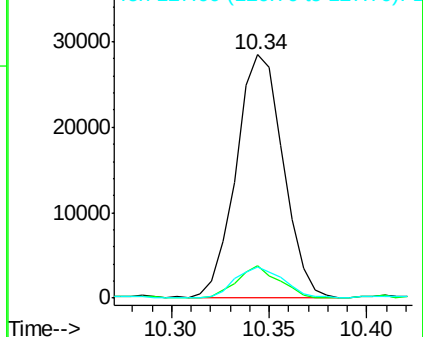
127 12.9 10.1 15.1

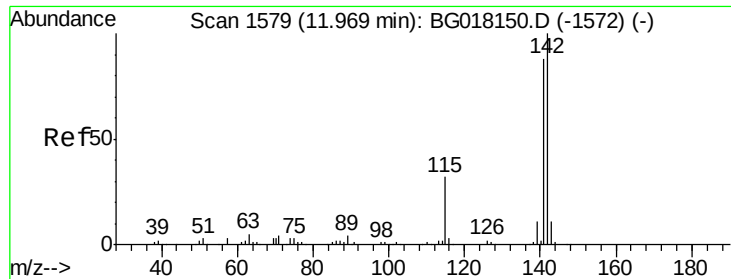


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

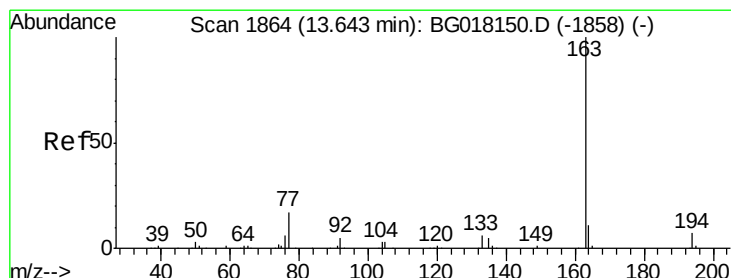
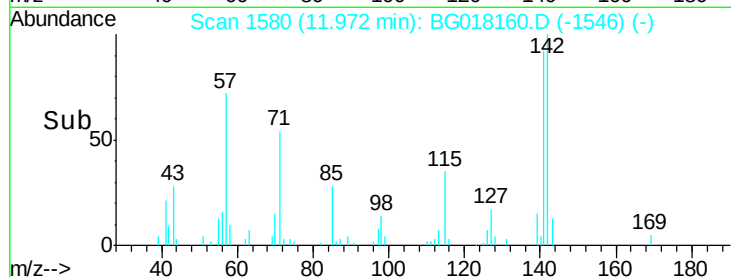
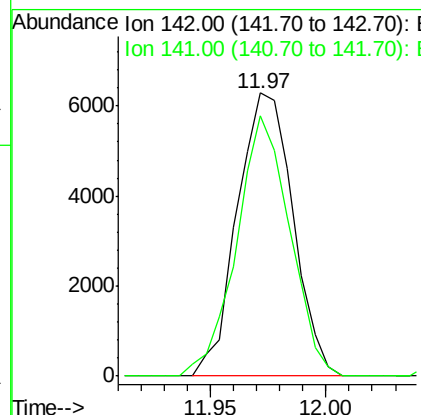
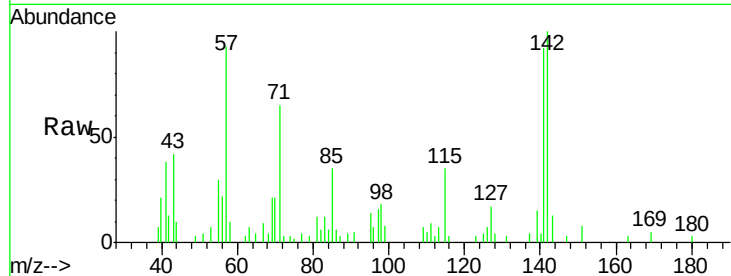




#34
 2-Methylnaphthalene
 Concen: 1.20 ng/ul
 RT: 11.97 min Scan# 1580
 Delta R.T. 0.00 min
 Lab File: BG018160.D
 Acq: 28 Jul 2015 23:18

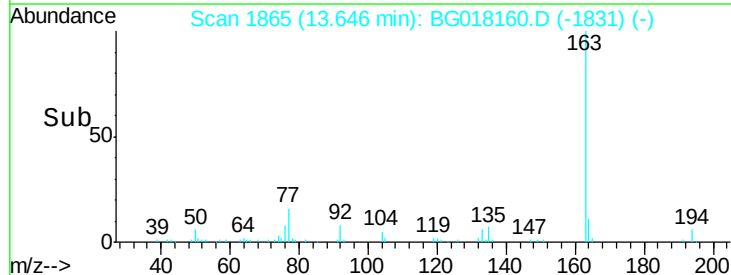
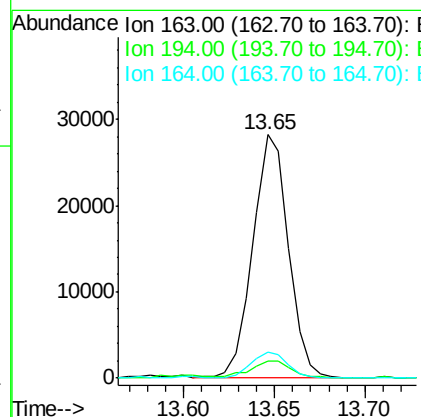
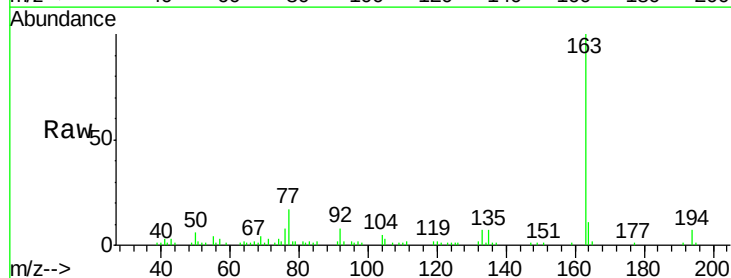
Instrument :
 BNA_G
 ClientSampleId :
 C02K1

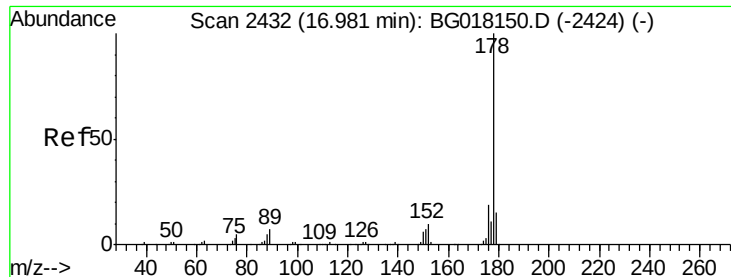
Tot Ion:142 Resp: 10555
 Ion Ratio Lower Upper
 142 100
 141 92.0 69.4 104.0



#45
 Dimethylphthalate
 Concen: 3.71 ng/ul
 RT: 13.65 min Scan# 1865
 Delta R.T. 0.00 min
 Lab File: BG018160.D
 Acq: 28 Jul 2015 23:18

Tgt Ion:163 Resp: 38529
 Ion Ratio Lower Upper
 163 100
 194 7.0 5.4 8.2
 164 10.6 8.7 13.1





#70

Phenanthrene

Concen: 5.21 ng/ul

RT: 16.98 min Scan# 2433

Delta R.T. 0.00 min

Lab File: BG018160.D

Acq: 28 Jul 2015 23:18

Instrument :

BNA_G

ClientSampleId :

C02K1

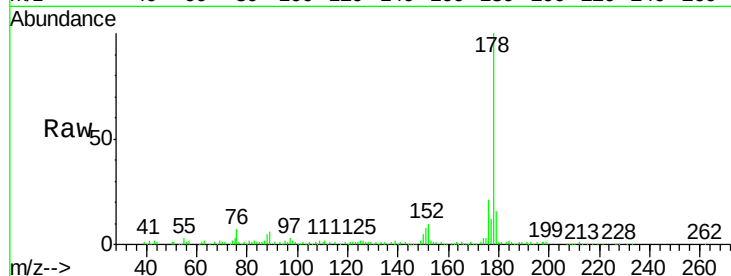
Tot Ion:178 Resp: 74857

Ion Ratio Lower Upper

178 100

179 16.0 13.0 19.6

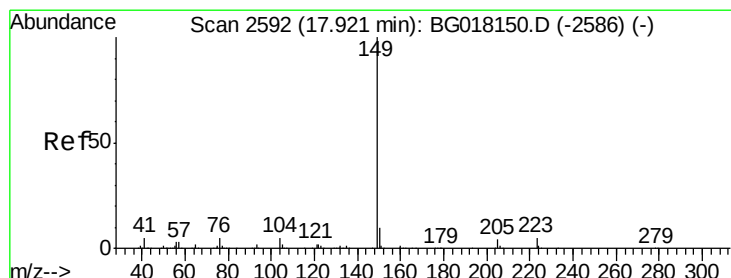
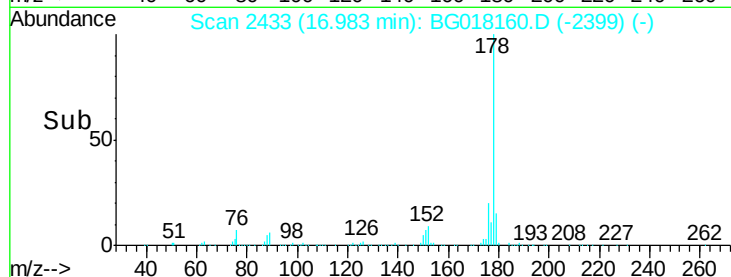
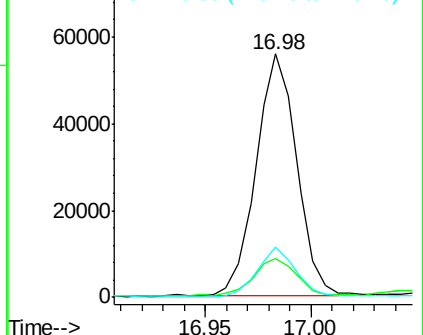
176 20.6 15.8 23.8



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



#76

Di-n-butylphthalate

Concen: 1.38 ng/ul

RT: 17.93 min Scan# 2594

Delta R.T. 0.01 min

Lab File: BG018160.D

Acq: 28 Jul 2015 23:18

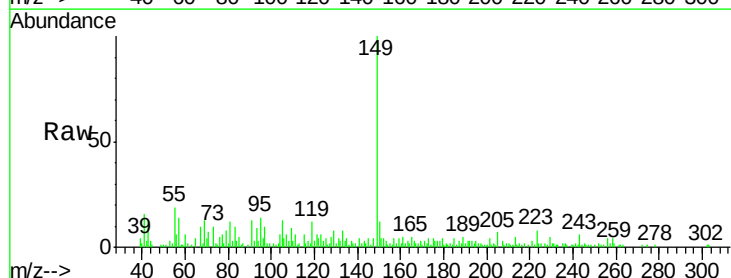
Tgt Ion:149 Resp: 22906

Ion Ratio Lower Upper

149 100

150 12.3 7.4 11.0#

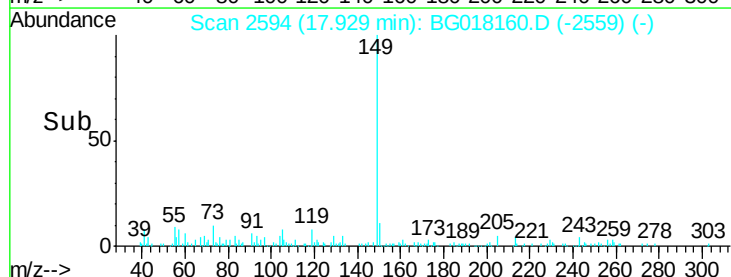
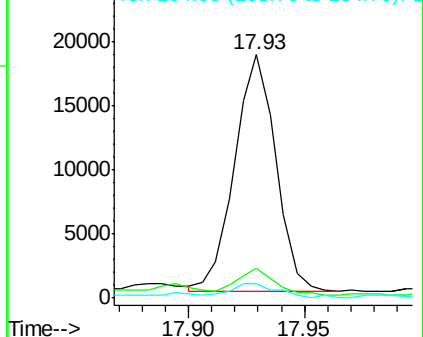
104 5.7 3.8 5.8

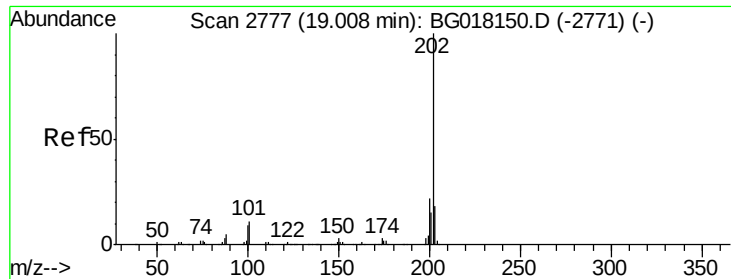


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

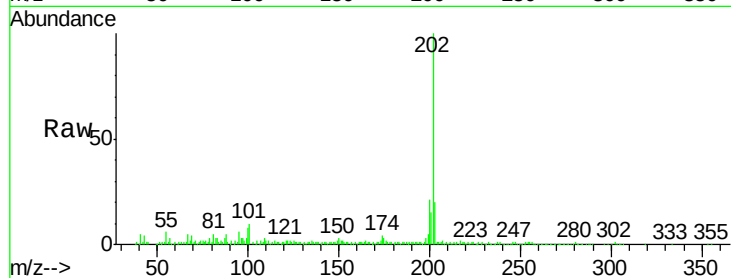




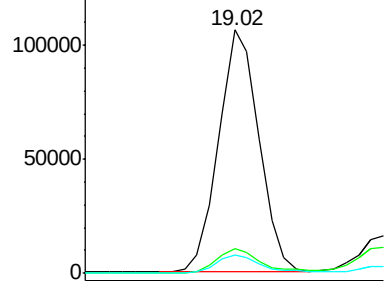
#77
 Fluoranthene
 Concen: 9.20 ng/ul
 RT: 19.02 min Scan# 2779
 Delta R.T. 0.01 min
 Lab File: BG018160.D
 Acq: 28 Jul 2015 23:18

Instrument :
 BNA_G
 ClientSampled :
 C02K1

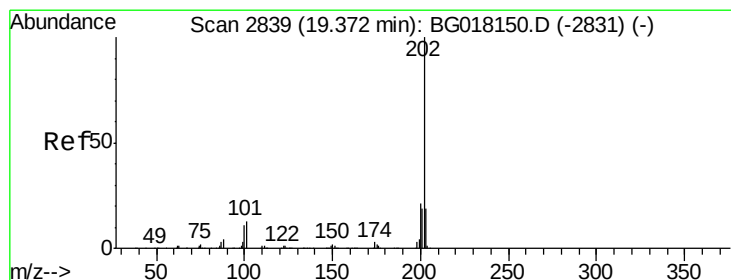
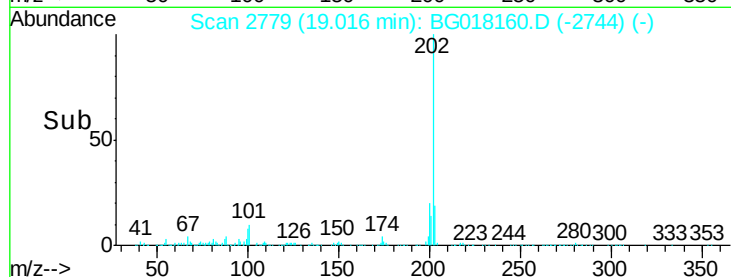
Tot Ion	Ratio	Lower	Upper
202	100		
101	10.0	9.1	13.7
100	7.7	7.5	11.3



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

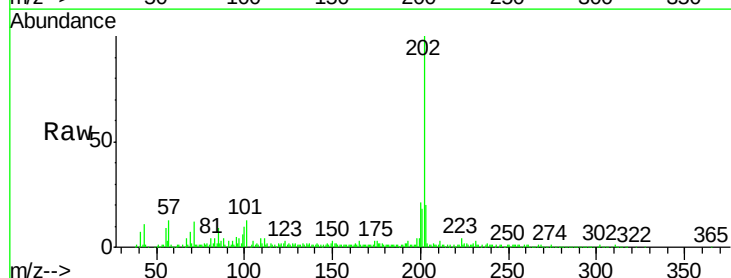


Time--> 18.95 19.00 19.05

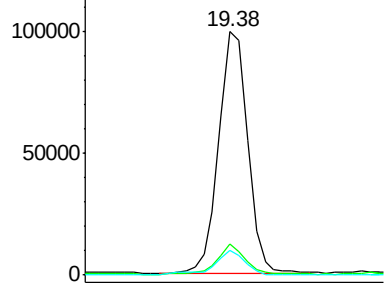


#80
 Pyrene
 Concen: 7.44 ng/ul
 RT: 19.38 min Scan# 2841
 Delta R.T. 0.01 min
 Lab File: BG018160.D
 Acq: 28 Jul 2015 23:18

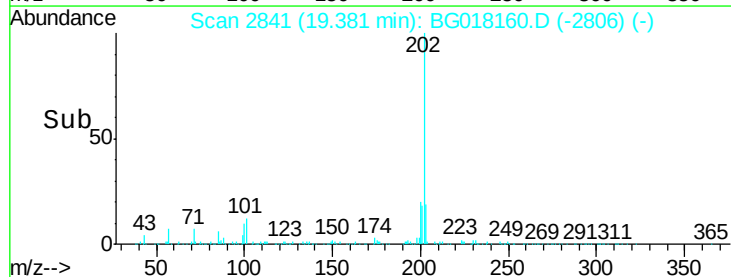
Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.9	10.9	16.3
100	10.3	8.5	12.7

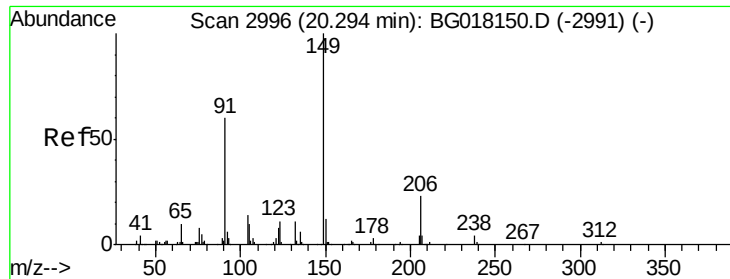


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B



Time--> 19.30 19.35 19.40 19.45





#81

Butylbenzylphthalate

Concen: 1.36 ng/ul

RT: 20.30 min Scan# 2997

Delta R.T. 0.00 min

Lab File: BG018160.D

Acq: 28 Jul 2015 23:18

Instrument :

BNA_G

ClientSampleId :

C02K1

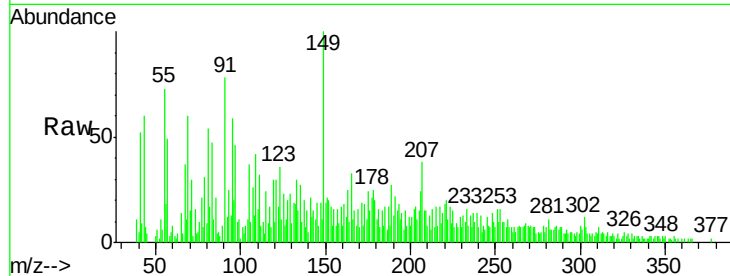
Tot Ion:149 Resp: 9959

Ion Ratio Lower Upper

149 100

91 78.3 51.1 76.7#

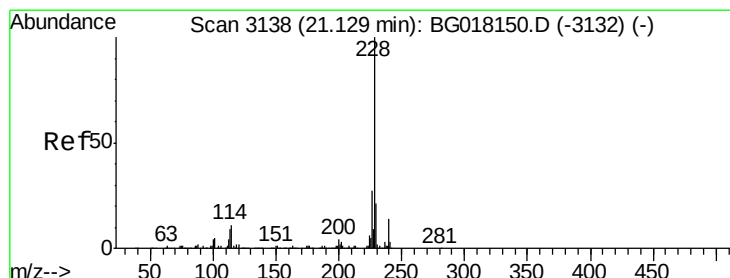
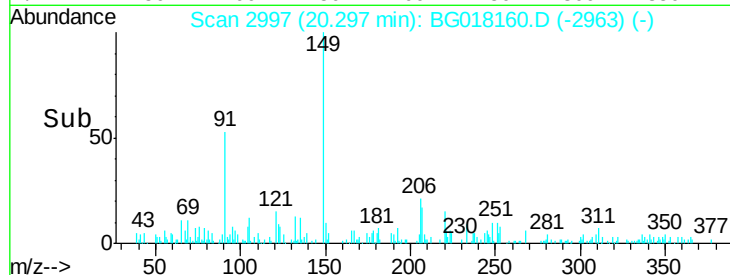
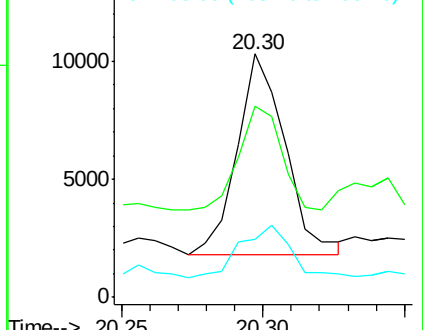
206 23.8 19.9 29.9



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: 3.55 ng/ul

RT: 21.14 min Scan# 3140

Delta R.T. 0.01 min

Lab File: BG018160.D

Acq: 28 Jul 2015 23:18

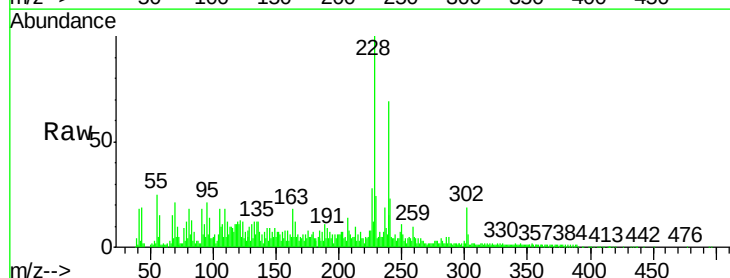
Tgt Ion:228 Resp: 58895

Ion Ratio Lower Upper

228 100

229 24.4 16.6 24.8

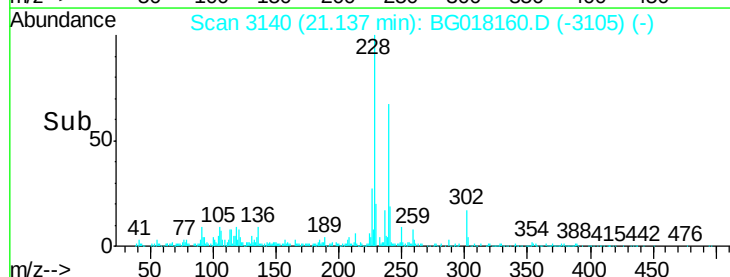
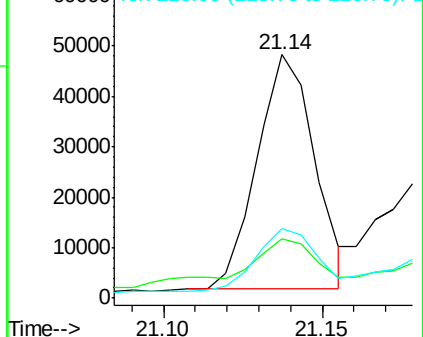
226 28.3 21.1 31.7

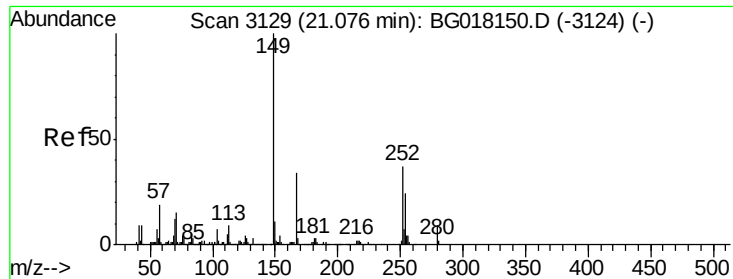


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#84

Bis(2-ethylhexyl)phthalate

Concen: 3.56 ng/ul

RT: 21.08 min Scan# 3131

Delta R.T. 0.01 min

Lab File: BG018160.D

Acq: 28 Jul 2015 23:18

Instrument :

BNA_G

ClientSampleId :

C02K1

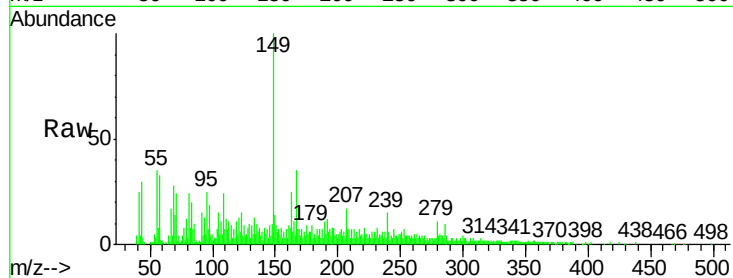
Tot Ion:149 Resp: 37502

Ion Ratio Lower Upper

149 100

167 35.0 26.2 39.4

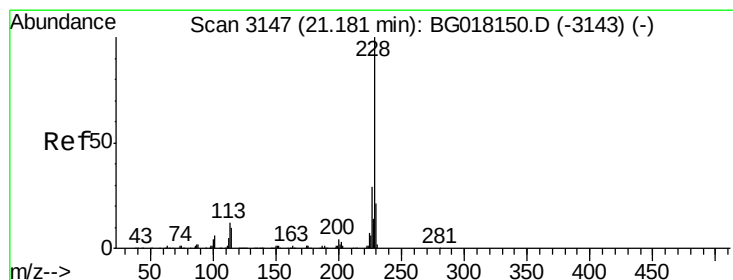
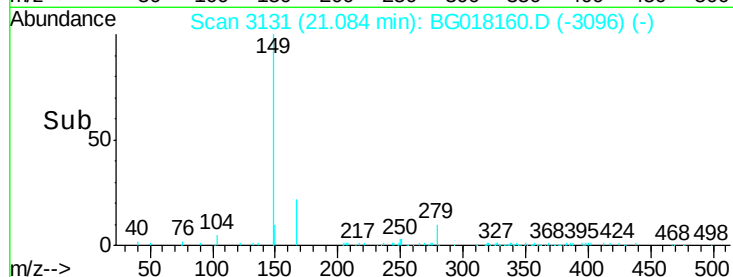
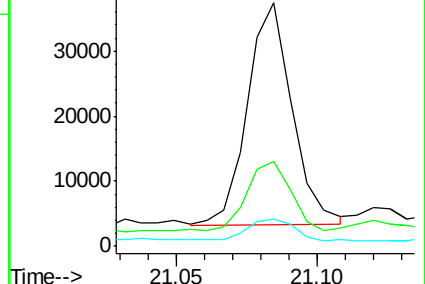
279 11.3 7.2 10.8#



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: 4.57 ng/ul

RT: 21.19 min Scan# 3149

Delta R.T. 0.01 min

Lab File: BG018160.D

Acq: 28 Jul 2015 23:18

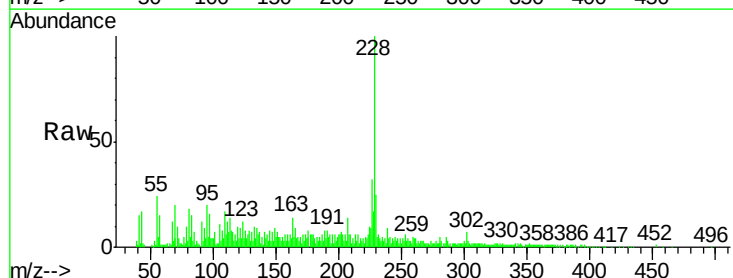
Tgt Ion:228 Resp: 71442

Ion Ratio Lower Upper

228 100

226 31.7 22.9 34.3

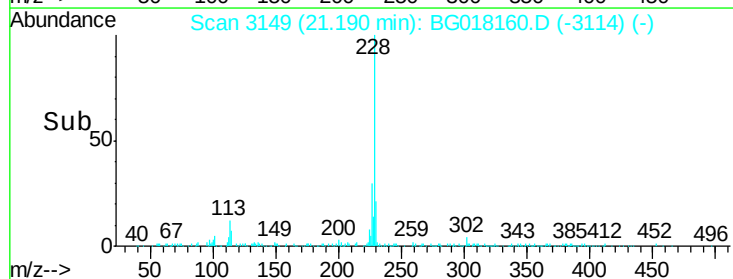
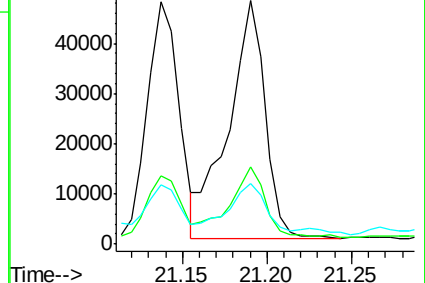
229 25.0 15.6 23.4#

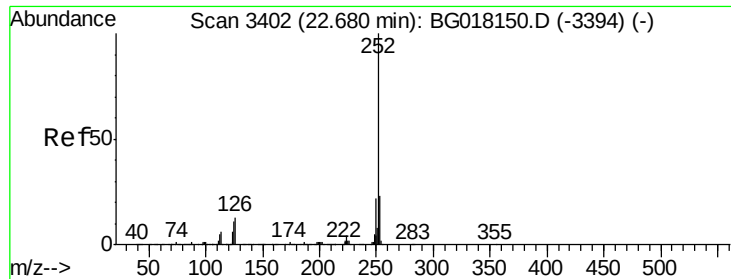


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#88

Benzo(b)fluoranthene

Concen: 5.77 ng/ul

RT: 22.70 min Scan# 3406

Delta R.T. 0.02 min

Lab File: BG018160.D

Acq: 28 Jul 2015 23:18

Instrument :

BNA_G

ClientSampleId :

C02K1

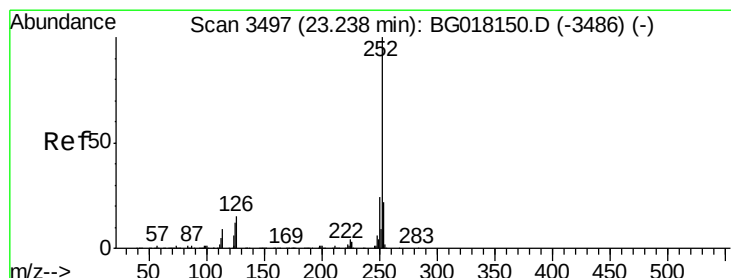
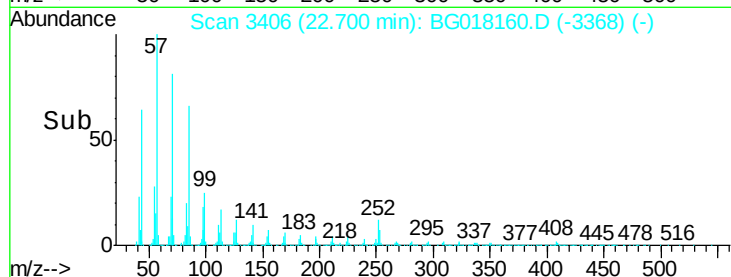
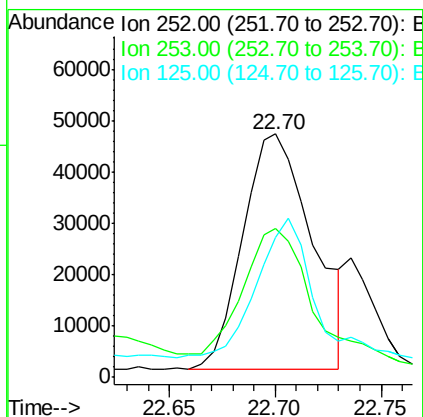
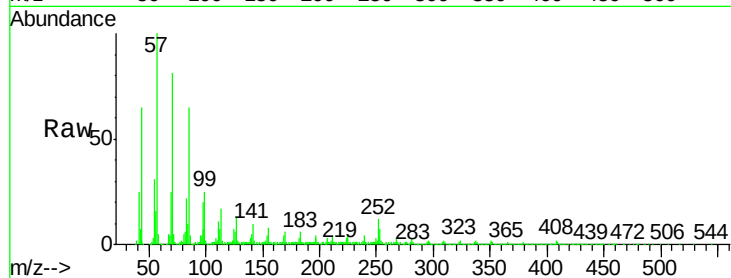
Tot Ion:252 Resp: 105039

Ion Ratio Lower Upper

252 100

253 60.9 18.5 27.7#

125 57.7 9.1 13.7#



#91

Benzo(a)pyrene

Concen: 3.15 ng/ul

RT: 23.26 min Scan# 3501

Delta R.T. 0.02 min

Lab File: BG018160.D

Acq: 28 Jul 2015 23:18

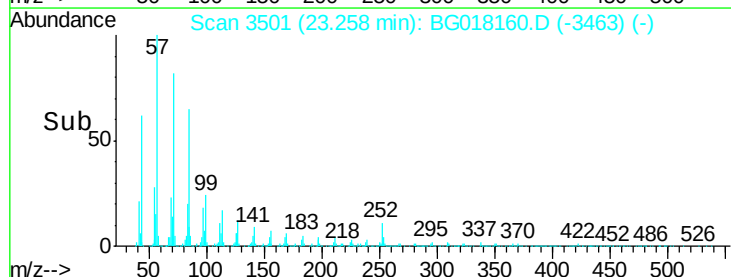
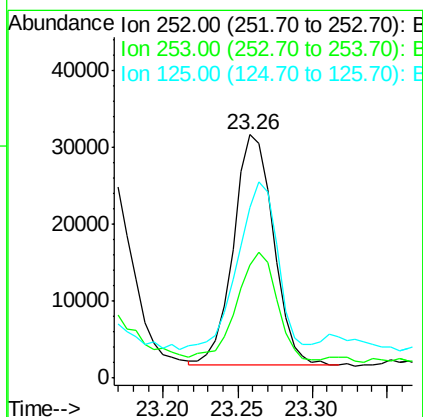
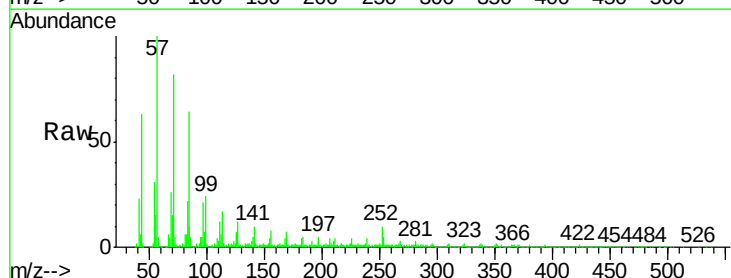
Tgt Ion:252 Resp: 55494

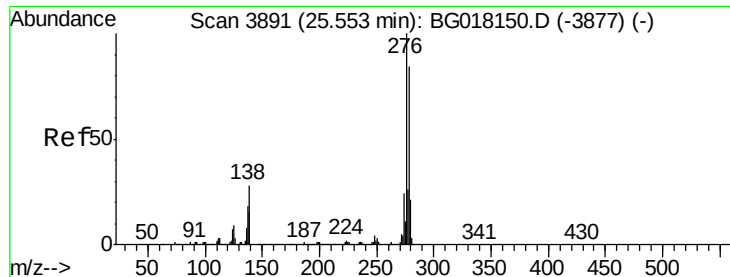
Ion Ratio Lower Upper

252 100

253 46.4 18.0 27.0#

125 70.0 10.2 15.2#





#92

Indeno(1,2,3-cd)pyrene

Concen: 1.60 ng/ul

RT: 25.58 min Scan# 3896

Delta R.T. 0.03 min

Lab File: BG018160.D

Acq: 28 Jul 2015 23:18

Instrument :

BNA_G

ClientSampleId :

C02K1

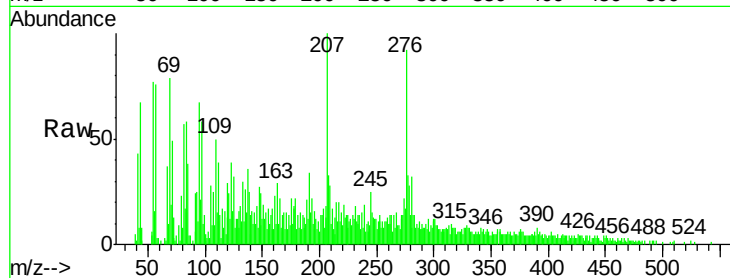
Tot Ion:276 Resp: 32548

Ion Ratio Lower Upper

276 100

138 27.1 22.6 33.8

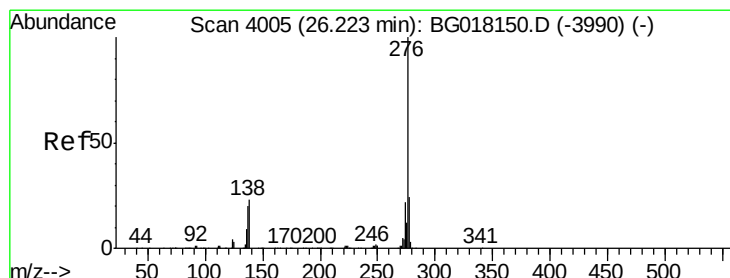
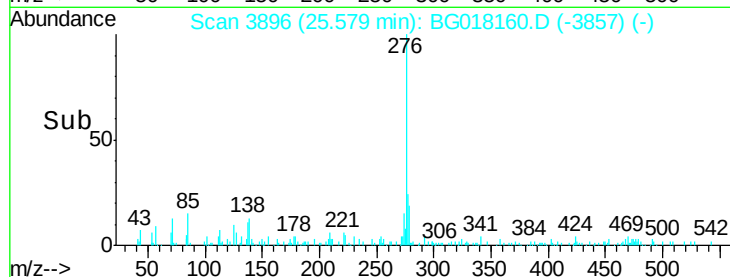
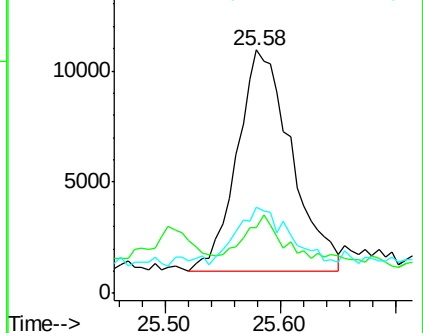
277 35.4 19.8 29.8#



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: 1.57 ng/ul

RT: 26.27 min Scan# 4014

Delta R.T. 0.05 min

Lab File: BG018160.D

Acq: 28 Jul 2015 23:18

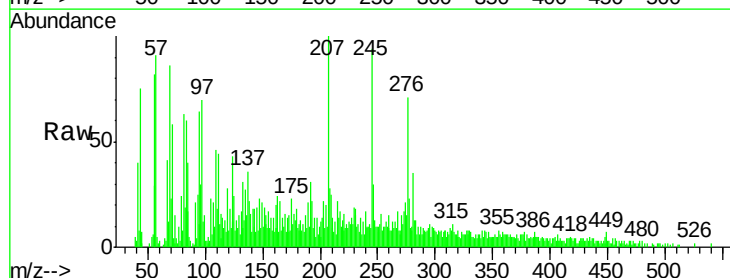
Tgt Ion:276 Resp: 26322

Ion Ratio Lower Upper

276 100

138 31.0 18.8 28.2#

277 32.7 19.3 28.9#



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

