

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081115\
 Data File : BG018384.D
 Acq On : 11 Aug 2015 16:46
 Operator : UM/MA
 Sample : G3136-17RE
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C02D0

Quant Time: Aug 12 01:00:51 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	63019	20.00	ng/ul	0.00
18) Naphthalene-d8	10.85	136	284764	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.67	164	173869	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.41	188	357066	20.00	ng/ul	0.00
78) Chrysene-d12	21.68	240	320944	20.00	ng/ul	0.00
86) Perylene-d12	24.91	264	331502	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.47	96	5049	3.54	ng/uL	0.00
5) Phenol-d5	7.20	99	95189	16.64	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.36	67	60750	17.14	ng/ul	0.00
9) 2-Chlorophenol-d4	7.57	132	73417	16.76	ng/ul	0.00
13) 4-Methylphenol-d8	8.74	113	67485	14.04	ng/ul	0.00
19) Nitrobenzene-d5	9.20	128	37291	16.80	ng/ul	0.00
22) 2-Nitrophenol-d4	9.92	143	40501	17.91	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.47	165	69557	14.50	ng/ul	0.00
29) 4-Chloroaniline-d4	10.98	131	65104	12.01	ng/ul	0.00
44) Dimethylphthalate-d6	14.07	166	239769	16.39	ng/ul	0.00
47) Acenaphthylene-d8	14.36	160	225638	12.25	ng/ul	0.00
52) 4-Nitrophenol-d4	14.85	143	16213	6.16	ng/ul	0.00
58) Fluorene-d10	15.66	176	146474	11.50	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.77	200	459	0.26	ng/ul	0.00
71) Anthracene-d10	17.51	188	187852	11.00	ng/ul	0.00
79) Pyrene-d10	19.79	212	160651	9.65	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.68	264	126948	7.21	ng/ul	0.00

Target Compounds

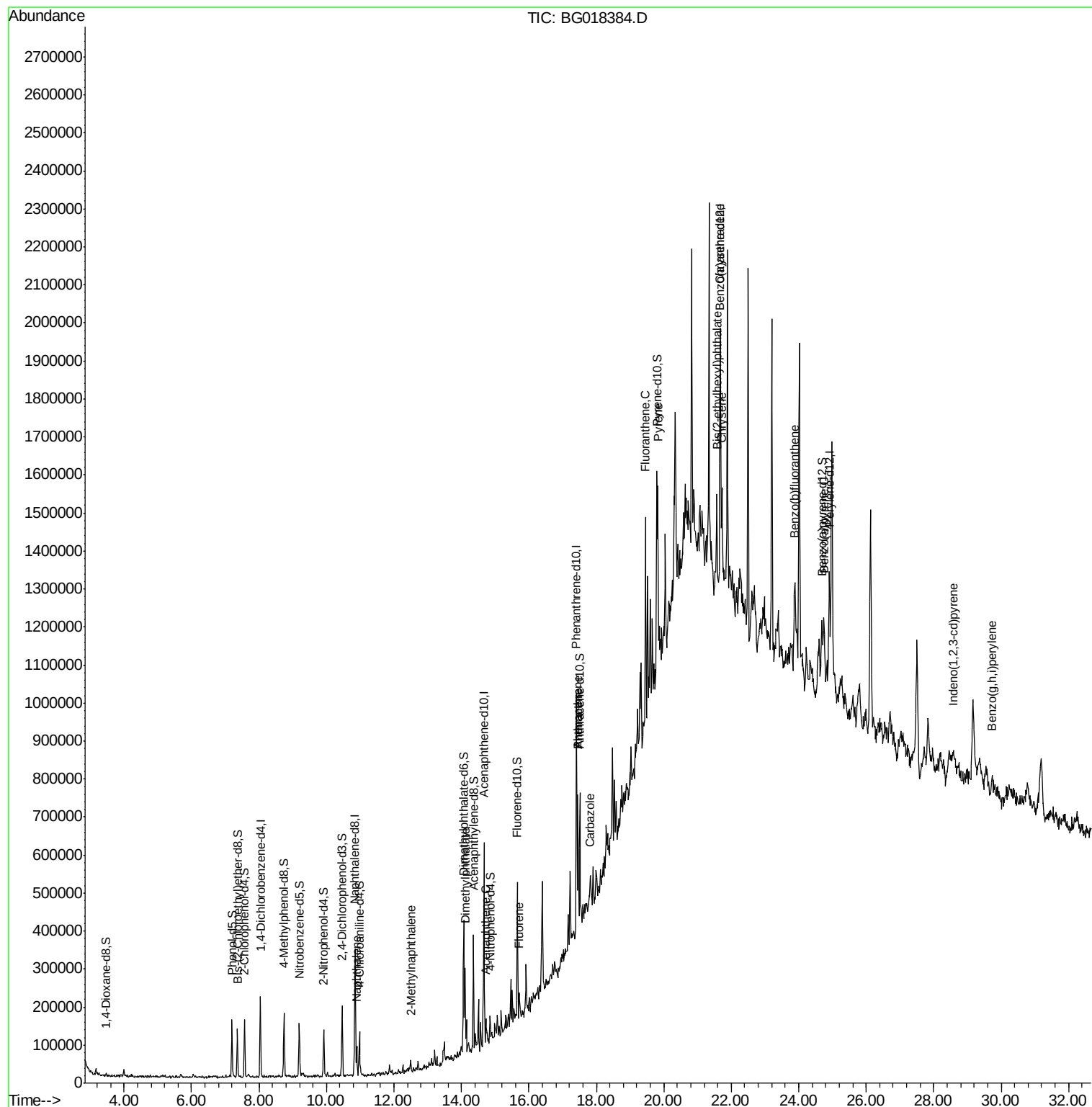
						Qvalue
28) Naphthalene	10.90	128	63958	4.25	ng/ul	95
34) 2-Methylnaphthalene	12.50	142	12266	1.13	ng/ul	86
45) Dimethylphthalate	14.11	163	137256	9.51	ng/ul#	96
50) Acenaphthene	14.73	153	28706	2.21	ng/ul#	83
59) Fluorene	15.71	166	21955	1.51	ng/ul	94
70) Phenanthrene	17.45	178	208903	10.78	ng/ul	98
72) Anthracene	17.45	178	209160	10.59	ng/ul	98
75) Carbazole	17.80	167	22012	1.27	ng/ul#	79
77) Fluoranthene	19.46	202	330189	15.96	ng/ul	96
80) Pyrene	19.82	202	301290	13.88	ng/ul	99
83) Benzo(a)anthracene	21.66	228	158063	7.94	ng/ul	96
84) Bis(2-ethylhexyl)phthalate	21.57	149	82395	6.35	ng/ul#	98
85) Chrysene	21.72	228	158974	8.54	ng/ul	97
88) Benzo(b)fluoranthene	23.88	252	226799	10.89	ng/ul#	85
91) Benzo(a)pyrene	24.76	252	167807	8.47	ng/ul#	83
92) Indeno(1,2,3-cd)pyrene	28.59	276	62151	2.71	ng/ul#	78
94) Benzo(g,h,i)perylene	29.73	276	82032	4.26	ng/ul#	89

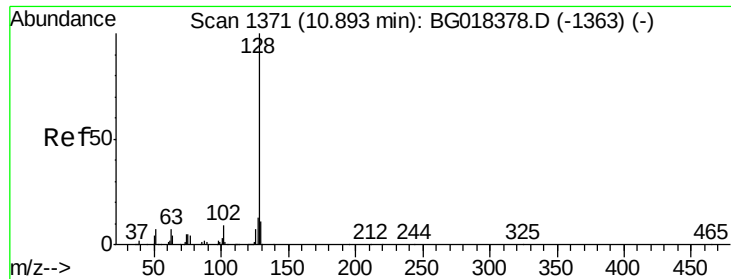
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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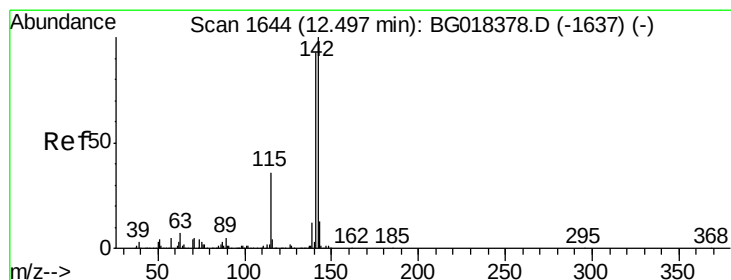
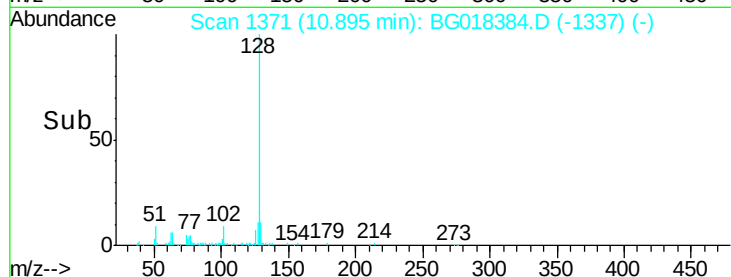
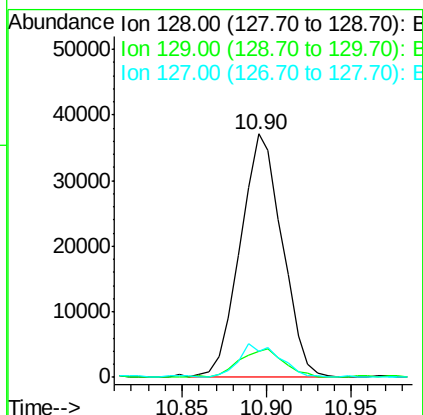
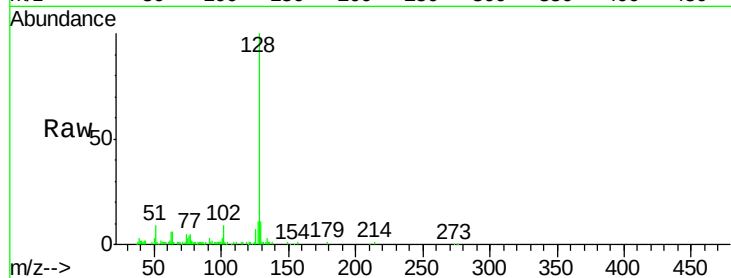




#28
Naphthalene
Concen: 4.25 ng/ul
RT: 10.90 min Scan# 1371
Delta R.T. 0.00 min
Lab File: BG018384.D
Acq: 11 Aug 2015 16:46

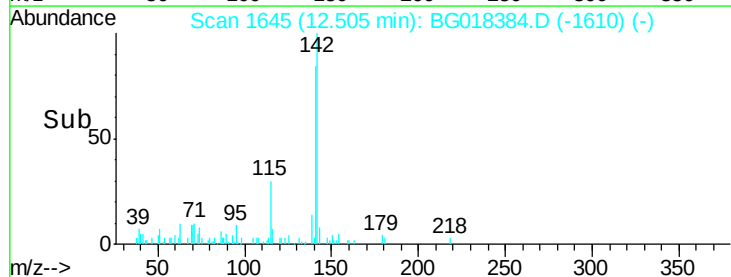
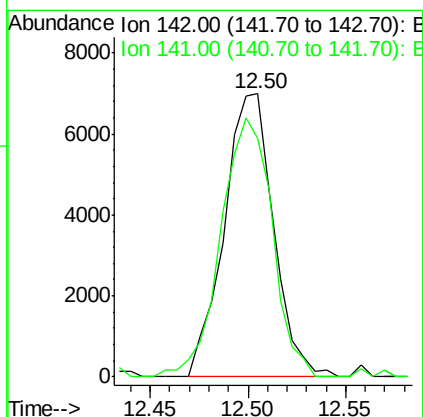
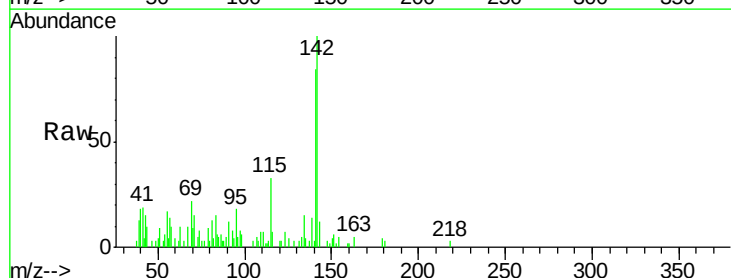
Instrument :
BNA_G
ClientSampleId :
C02D0

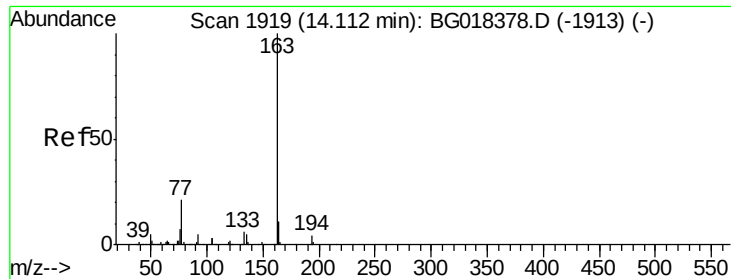
Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.8	9.6	14.4
127	10.8	10.5	15.7



#34
2-Methylnaphthalene
Concen: 1.13 ng/ul
RT: 12.50 min Scan# 1645
Delta R.T. 0.01 min
Lab File: BG018384.D
Acq: 11 Aug 2015 16:46

Tgt Ion	Ratio	Lower	Upper
142	100		
141	84.2	78.0	117.0

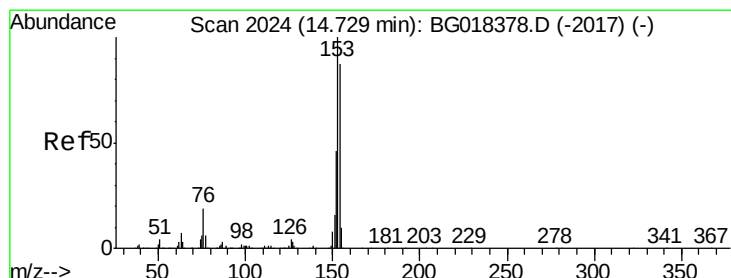
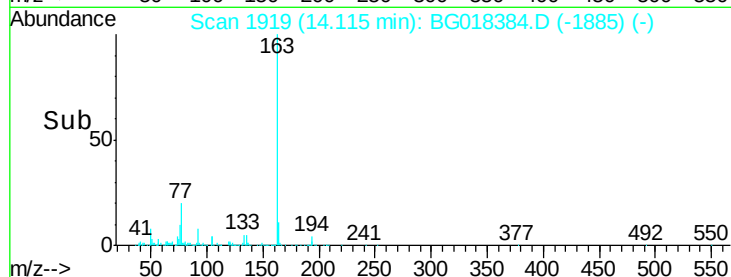
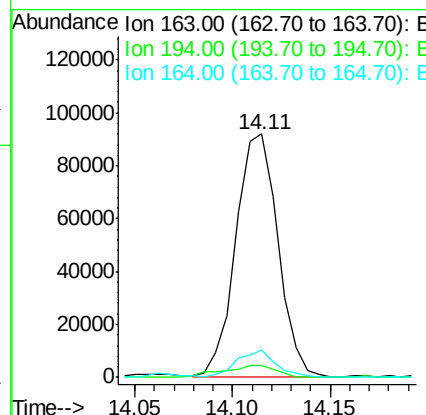
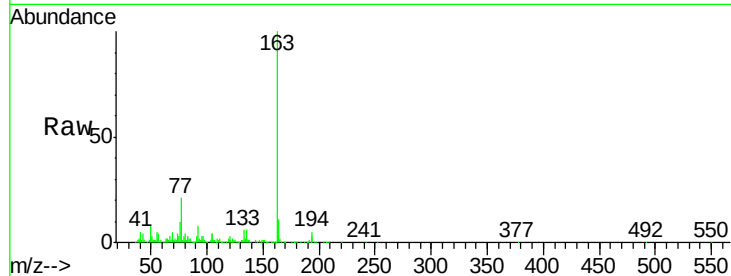




#45
Dimethylphthalate
Concen: 9.51 ng/ul
RT: 14.11 min Scan# 1919
Delta R.T. 0.00 min
Lab File: BG018384.D
Acq: 11 Aug 2015 16:46

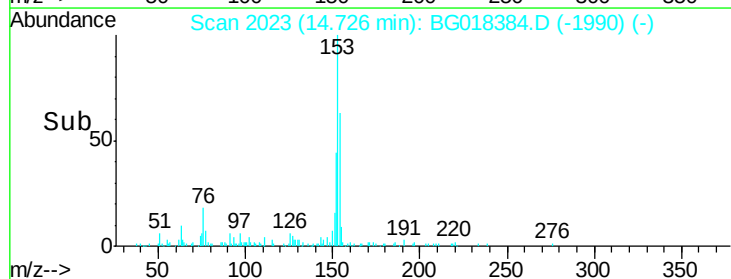
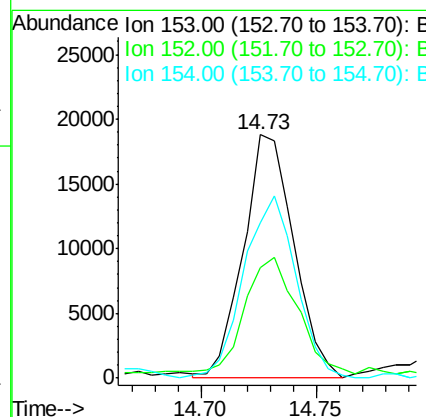
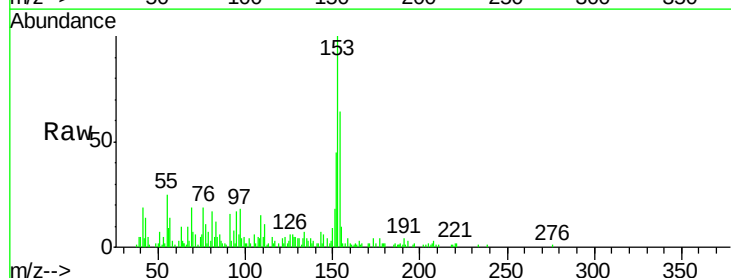
Instrument :
BNA_G
ClientSampleId :
C02D0

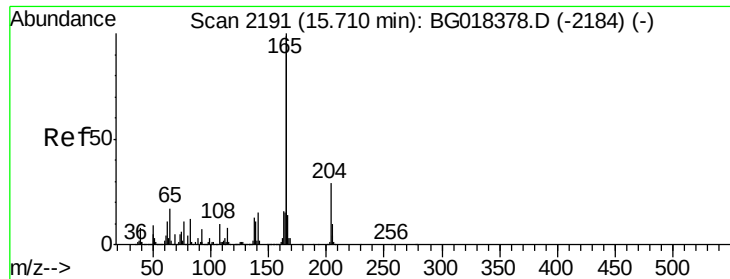
Tgt Ion:163 Resp: 137256
Ion Ratio Lower Upper
163 100
194 4.7 2.9 4.3#
164 11.4 7.7 11.5



#50
Acenaphthene
Concen: 2.21 ng/ul
RT: 14.73 min Scan# 2023
Delta R.T. -0.00 min
Lab File: BG018384.D
Acq: 11 Aug 2015 16:46

Tgt Ion:153 Resp: 28706
Ion Ratio Lower Upper
153 100
152 45.2 38.2 57.4
154 63.6 68.6 103.0#





#59

Fluorene

Concen: 1.51 ng/ul

RT: 15.71 min Scan# 2191

Delta R.T. 0.00 min

Lab File: BG018384.D

Acq: 11 Aug 2015 16:46

Instrument :

BNA_G

ClientSampleId :

C02D0

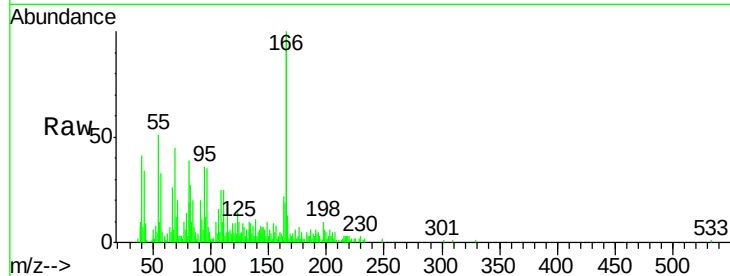
Tgt Ion:166 Resp: 21955

Ion Ratio Lower Upper

166 100

165 96.7 82.6 124.0

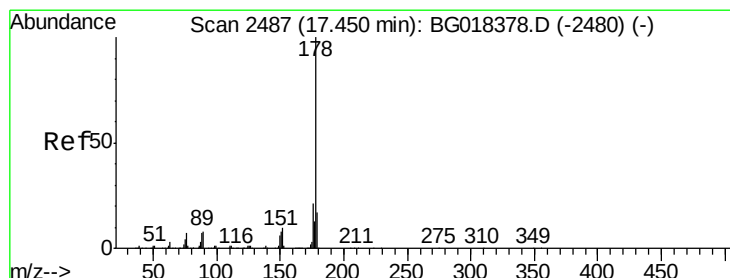
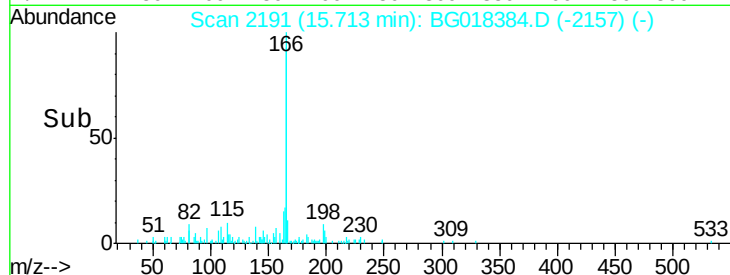
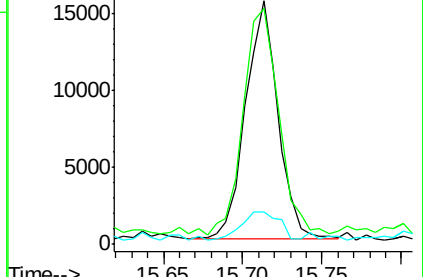
167 13.3 11.4 17.0



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



#70

Phenanthrene

Concen: 10.78 ng/ul

RT: 17.45 min Scan# 2487

Delta R.T. 0.00 min

Lab File: BG018384.D

Acq: 11 Aug 2015 16:46

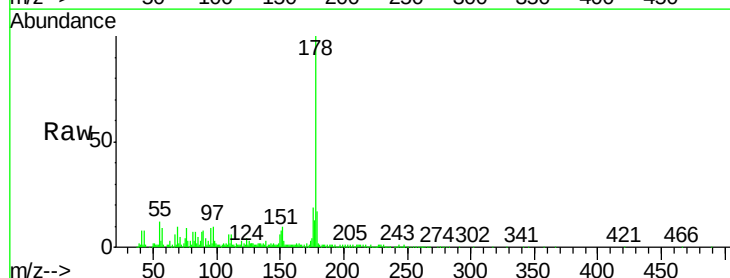
Tgt Ion:178 Resp: 208903

Ion Ratio Lower Upper

178 100

179 17.5 13.7 20.5

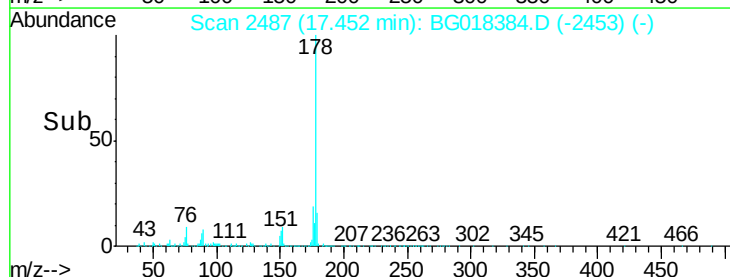
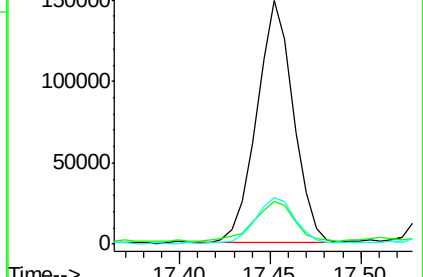
176 19.3 16.6 24.8

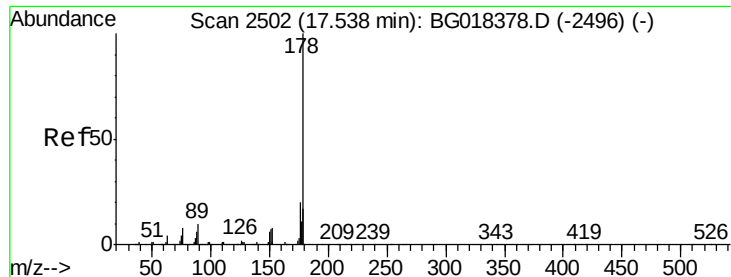


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Anthracene

Concen: 10.59 ng/ul

RT: 17.45 min Scan# 2487

Delta R.T. -0.09 min

Lab File: BG018384.D

Acq: 11 Aug 2015 16:46

Instrument :

BNA_G

ClientSampleId :

C02D0

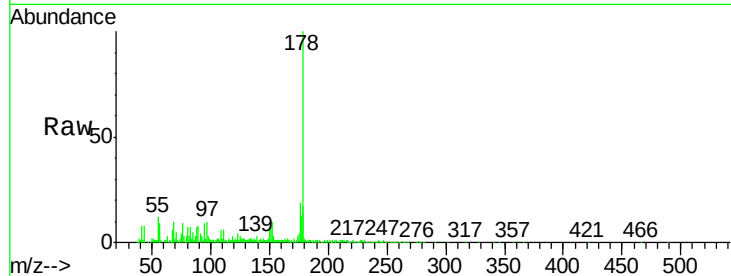
Tgt Ion:178 Resp: 209160

Ion Ratio Lower Upper

178 100

179 17.5 13.0 19.4

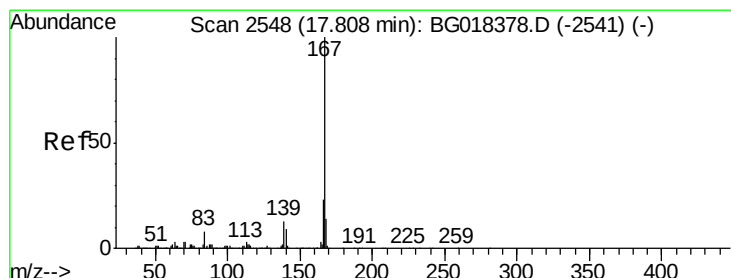
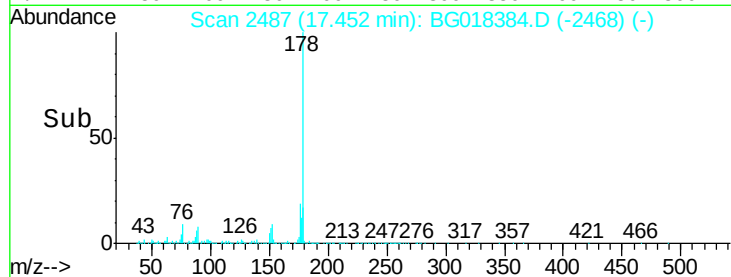
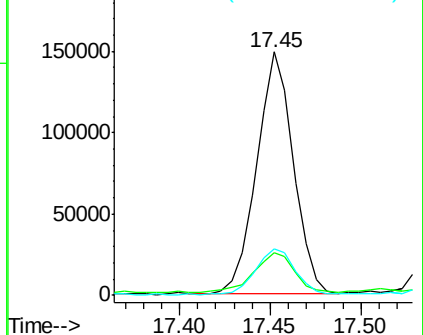
176 19.3 16.0 24.0



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: 1.27 ng/ul

RT: 17.80 min Scan# 2547

Delta R.T. -0.00 min

Lab File: BG018384.D

Acq: 11 Aug 2015 16:46

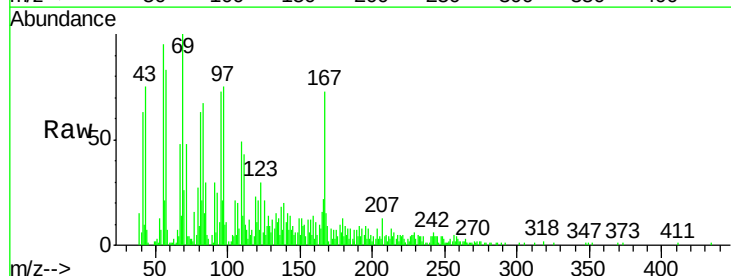
Tgt Ion:167 Resp: 22012

Ion Ratio Lower Upper

167 100

166 29.5 18.9 28.3#

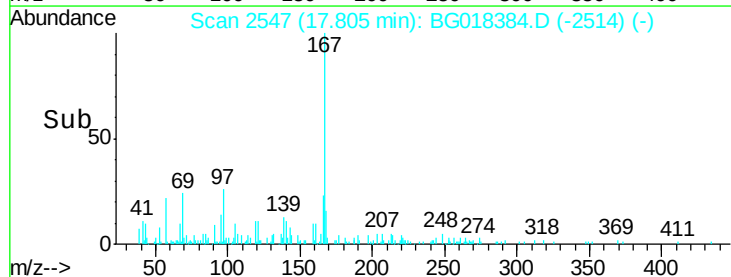
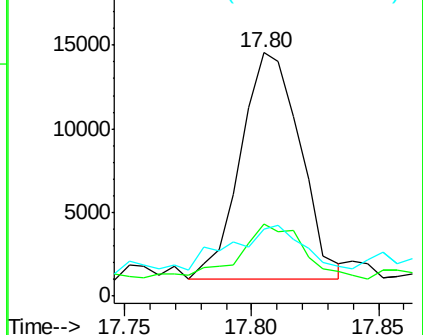
139 27.3 10.1 15.1#

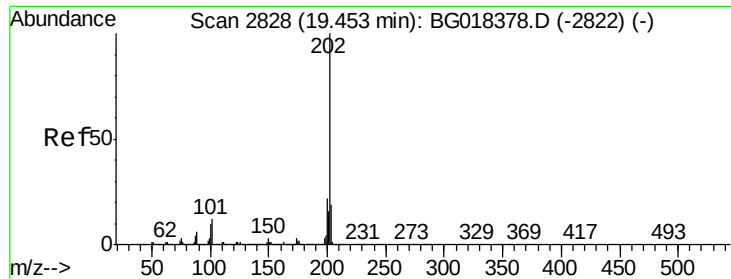


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

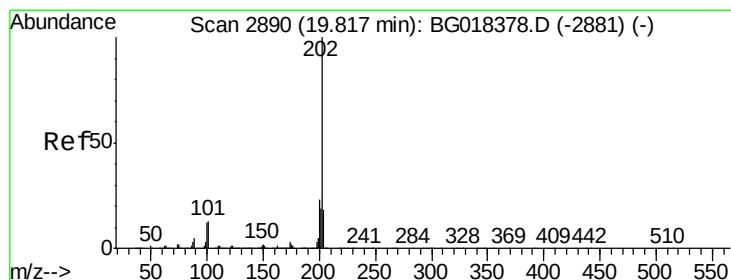
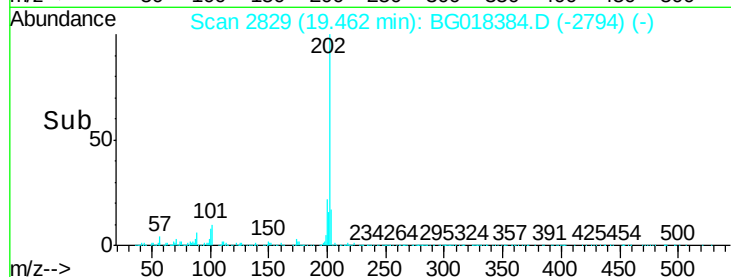
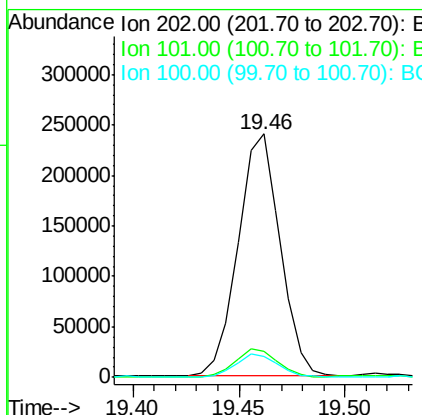
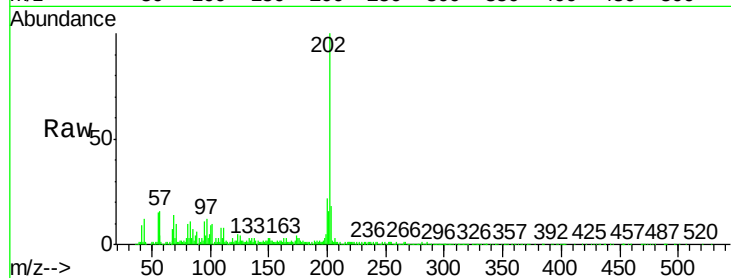




#77
Fluoranthene
Concen: 15.96 ng/ul
RT: 19.46 min Scan# 2829
Delta R.T. 0.01 min
Lab File: BG018384.D
Acq: 11 Aug 2015 16:46

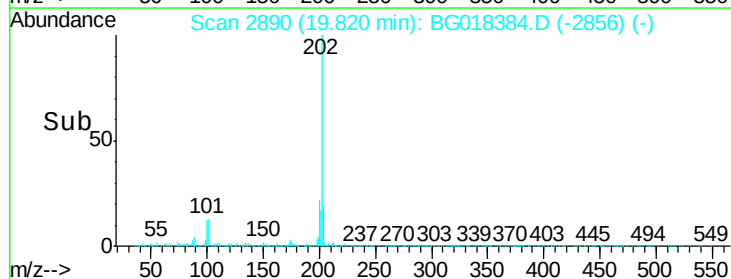
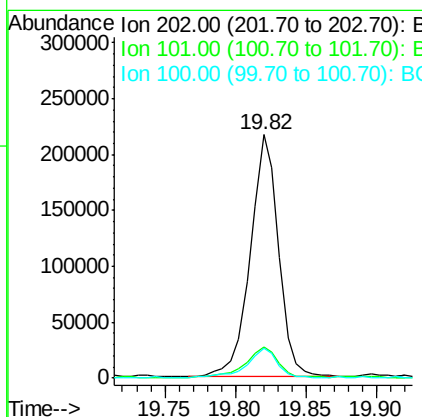
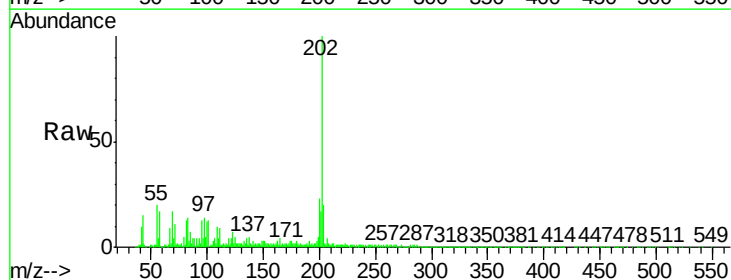
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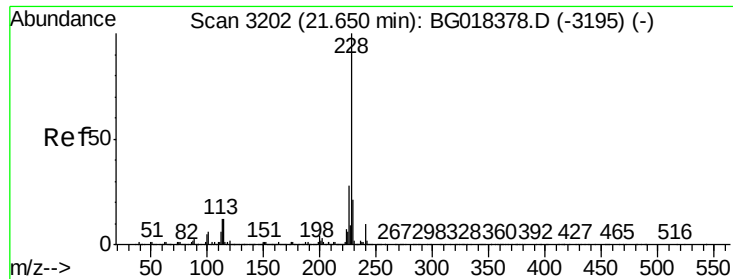
Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.5	9.7	14.5
100	8.7	7.8	11.8



#80
Pyrene
Concen: 13.88 ng/ul
RT: 19.82 min Scan# 2890
Delta R.T. 0.00 min
Lab File: BG018384.D
Acq: 11 Aug 2015 16:46

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.9	11.0	16.4
100	12.0	9.8	14.6





#83

Benzo(a)anthracene

Concen: 7.94 ng/ul

RT: 21.66 min Scan# 3203

Delta R.T. 0.01 min

Lab File: BG018384.D

Acq: 11 Aug 2015 16:46

Instrument :

BNA_G

ClientSampled :

C02D0

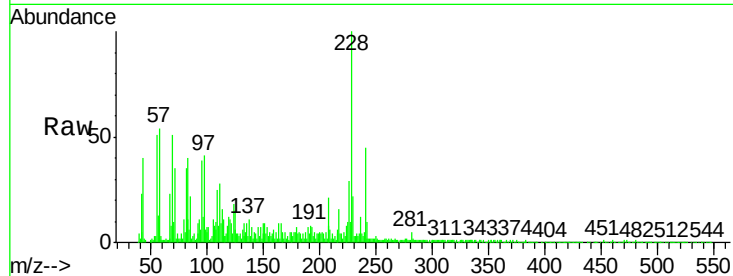
Tgt Ion:228 Resp: 158063

Ion Ratio Lower Upper

228 100

229 22.3 15.5 23.3

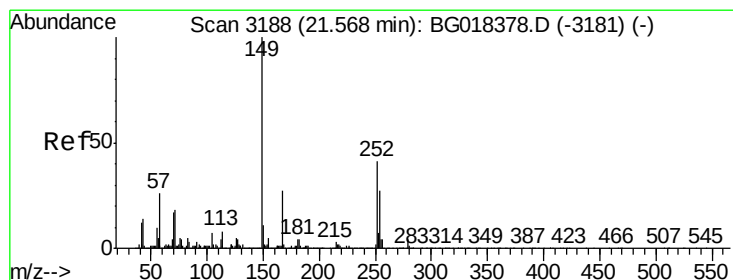
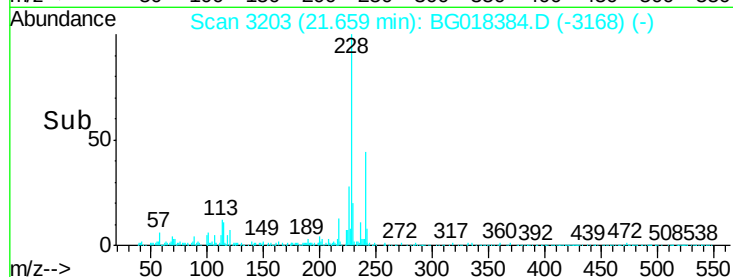
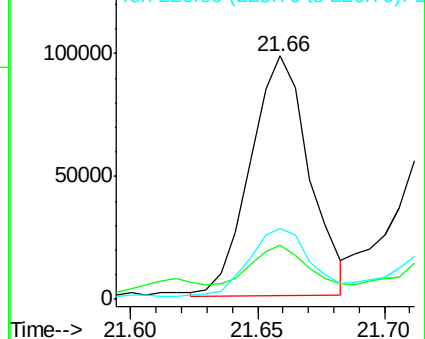
226 28.9 22.1 33.1



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: 6.35 ng/ul

RT: 21.57 min Scan# 3188

Delta R.T. 0.00 min

Lab File: BG018384.D

Acq: 11 Aug 2015 16:46

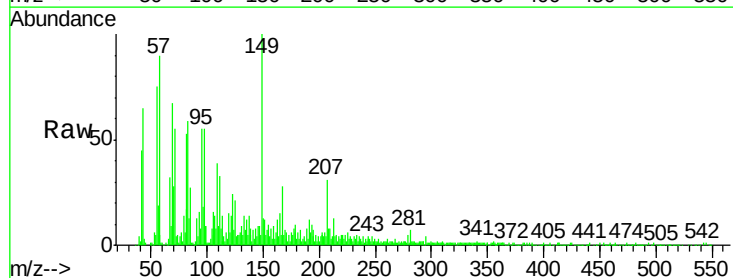
Tgt Ion:149 Resp: 82395

Ion Ratio Lower Upper

149 100

167 28.4 22.2 33.2

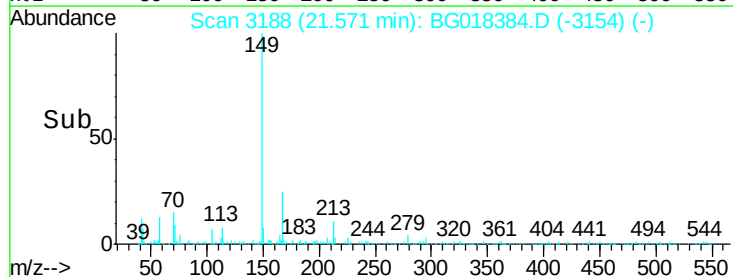
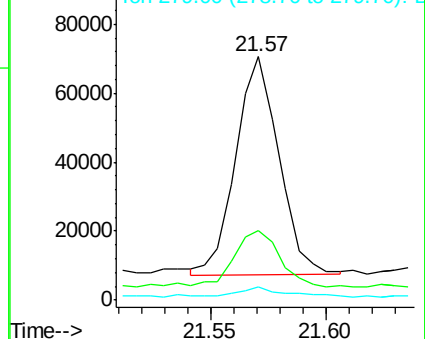
279 5.4 2.8 4.2#

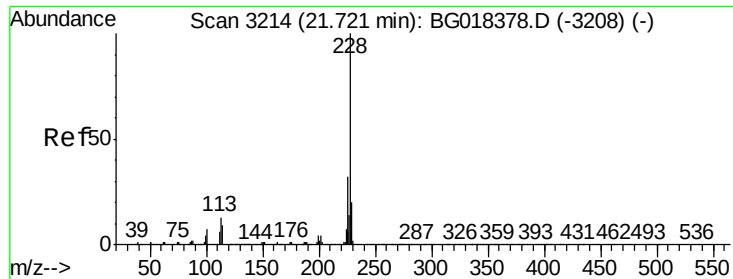


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Chrysene

Concen: 8.54 ng/ul

RT: 21.72 min Scan# 3214

Delta R.T. 0.00 min

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Instrument :

BNA_G

ClientSampleId :

C02D0

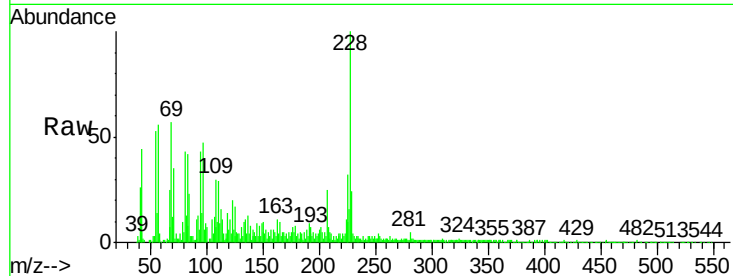
Tgt Ion: 228 Resp: 158974

Ion Ratio Lower Upper

228 100

226 32.3 26.5 39.7

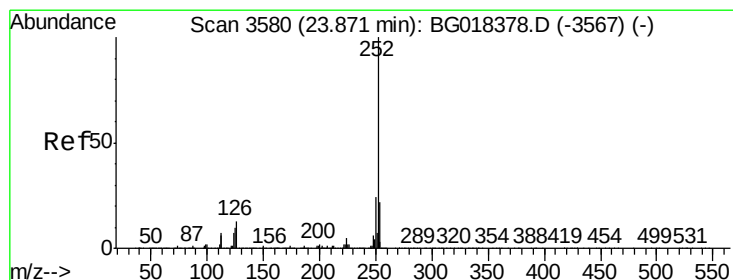
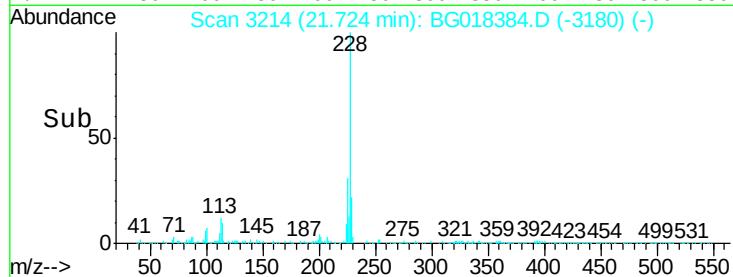
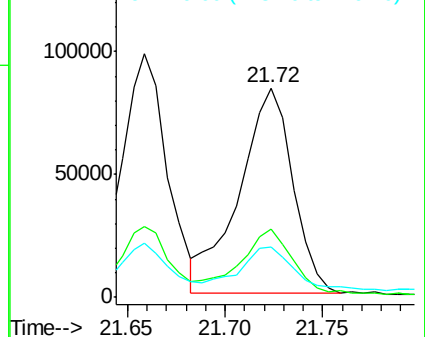
229 23.8 16.9 25.3



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: 10.89 ng/ul

RT: 23.88 min Scan# 3581

Delta R.T. 0.01 min

Lab File: BG018384.D

Acq: 11 Aug 2015 16:46

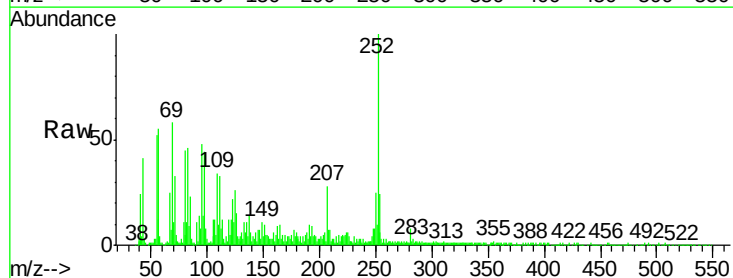
Tgt Ion: 252 Resp: 226799

Ion Ratio Lower Upper

252 100

253 23.9 18.1 27.1

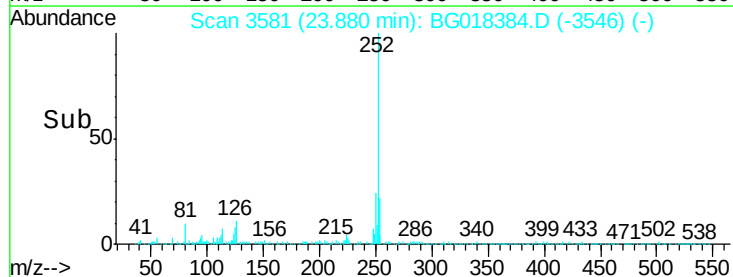
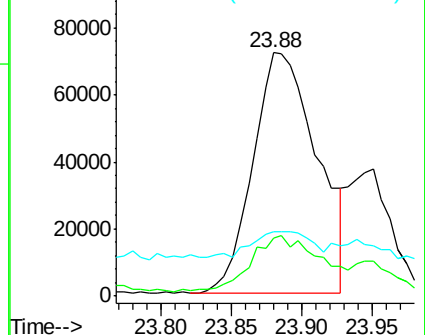
125 26.3 8.3 12.5#

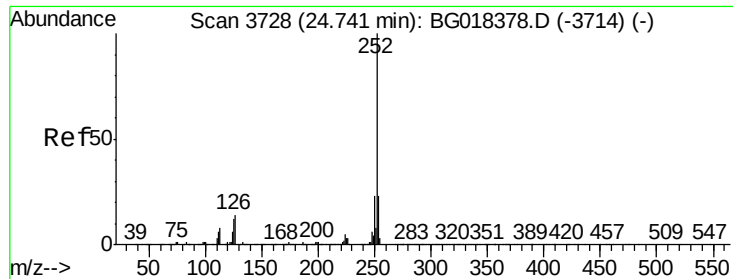


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a)pyrene

Concen: 8.47 ng/ul

RT: 24.76 min Scan# 3730

Delta R.T. 0.01 min

Lab File: BG018384.D

Acq: 11 Aug 2015 16:46

Instrument :

BNA_G

ClientSampleId :

C02D0

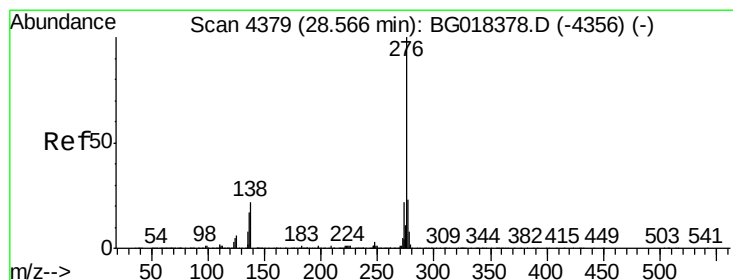
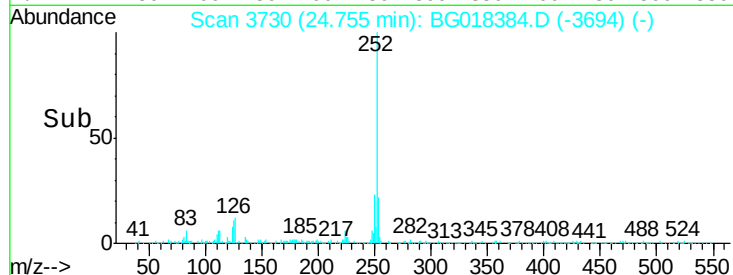
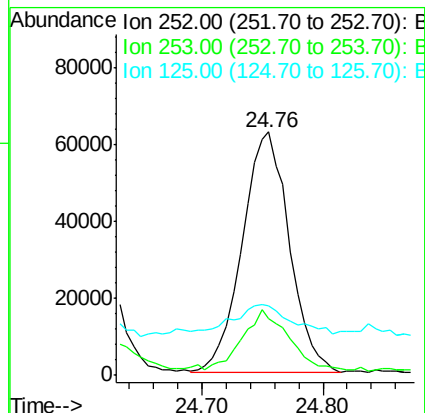
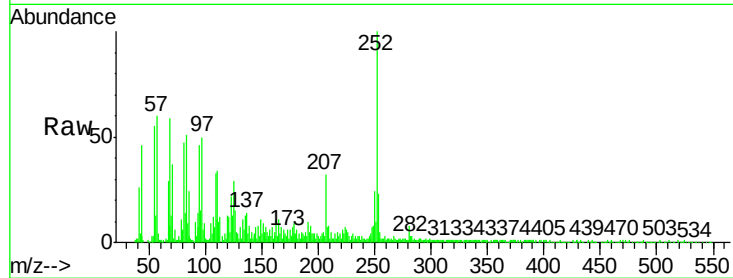
Tgt Ion:252 Resp: 167807

Ion Ratio Lower Upper

252 100

253 23.5 17.7 26.5

125 28.8 10.2 15.2#



#92

Indeno(1,2,3-cd)pyrene

Concen: 2.71 ng/ul

RT: 28.59 min Scan# 4382

Delta R.T. 0.02 min

Lab File: BG018384.D

Acq: 11 Aug 2015 16:46

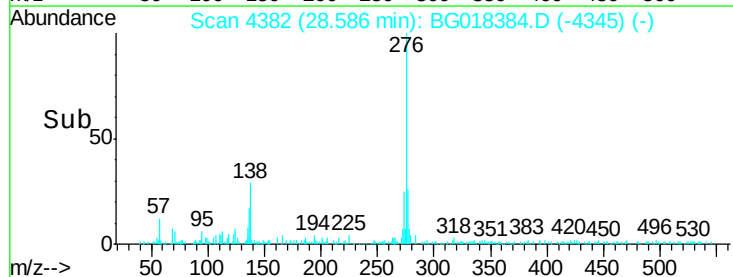
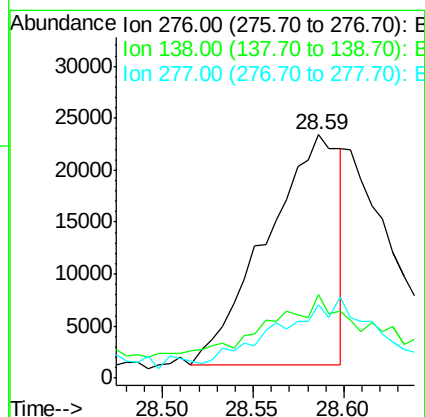
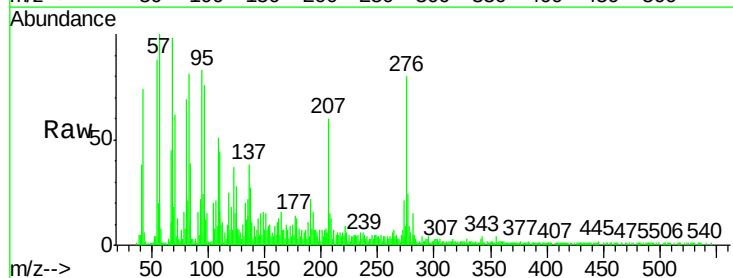
Tgt Ion:276 Resp: 62151

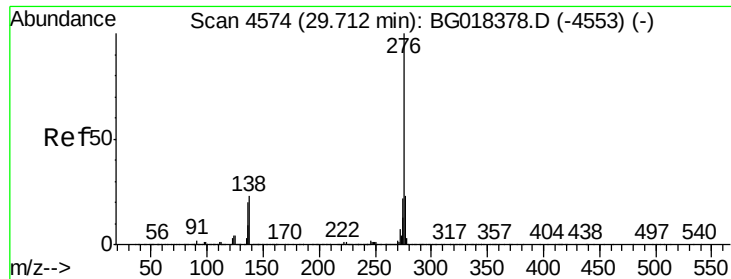
Ion Ratio Lower Upper

276 100

138 34.3 15.8 23.6#

277 30.0 18.9 28.3#





#94

Benzo(g,h,i)perylene

Concen: 4.26 ng/ul

RT: 29.73 min Scan# 4576

Delta R.T. 0.01 min

Lab File: BG018384.D

Acq: 11 Aug 2015 16:46

Instrument :

BNA_G

ClientSampleId :

C02D0

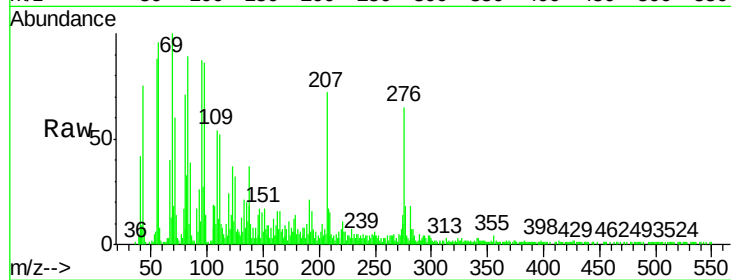
Tgt Ion: 276 Resp: 82032

Ion Ratio Lower Upper

276 100

138 27.0 16.5 24.7#

277 28.0 19.0 28.6



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

