

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081215\
 Data File : BG018396.D
 Acq On : 12 Aug 2015 11:49
 Operator : UM/MA
 Sample : G3109-13 DL 5X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C01P9

Quant Time: Aug 13 01:44:46 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Aug 13 01:43:01 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	77267	20.00	ng/ul	0.00
18) Naphthalene-d8	10.83	136	383294	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.65	164	242354	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.40	188	554949	20.00	ng/ul	0.00
78) Chrysene-d12	21.66	240	487029	20.00	ng/ul	0.00
86) Perylene-d12	24.89	264	457697	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.46	96	563	0.32	ng/uL	0.00
5) Phenol-d5	7.18	99	24951	3.56	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.34	67	16757	3.86	ng/ul	0.00
9) 2-Chlorophenol-d4	7.56	132	20022	3.73	ng/ul	0.00
13) 4-Methylphenol-d8	8.73	113	20057	3.40	ng/ul	0.00
19) Nitrobenzene-d5	9.18	128	10192	3.41	ng/ul	0.00
22) 2-Nitrophenol-d4	9.91	143	12139	3.99	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.45	165	22069	3.42	ng/ul	0.00
29) 4-Chloroaniline-d4	10.95	131	11366	1.56	ng/ul	-0.01
44) Dimethylphthalate-d6	14.05	166	73622	3.61	ng/ul	0.00
47) Acenaphthylene-d8	14.35	160	88790	3.46	ng/ul	0.00
52) 4-Nitrophenol-d4	14.84	143	7349	2.00	ng/ul	0.00
58) Fluorene-d10	15.64	176	63658	3.58	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.75	200	6967	2.55	ng/ul	0.00
71) Anthracene-d10	17.40	188	554949	20.91	ng/ul	-0.10
79) Pyrene-d10	19.78	212	91454	3.62	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.67	264	79326	3.26	ng/ul	0.00

Target Compounds

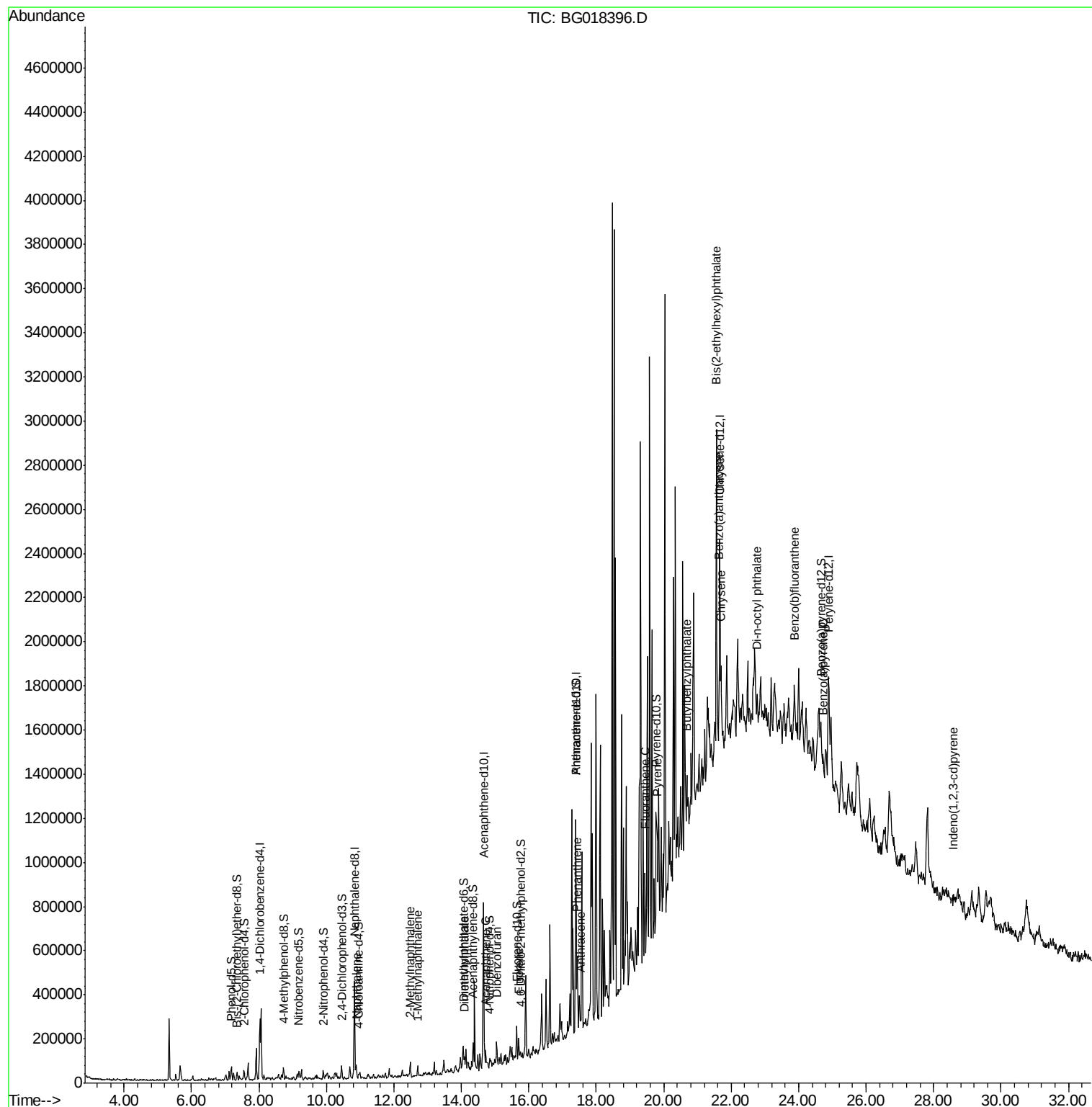
						Qvalue
28) Naphthalene	10.88	128	47392	2.34	ng/ul#	94
34) 2-Methylnaphthalene	12.49	142	30015	2.05	ng/ul	98
35) 1-Methylnaphthalene	12.70	142	18304	1.28	ng/ul#	96
45) Dimethylphthalate	14.10	163	28022	1.39	ng/ul#	95
50) Acenaphthene	14.71	153	34173	1.89	ng/ul	92
54) Dibenzofuran	15.05	168	30413	1.29	ng/ul	93
59) Fluorene	15.70	166	36961	1.82	ng/ul	98
70) Phenanthrene	17.44	178	195399	6.49	ng/ul	98
72) Anthracene	17.53	178	46226	1.51	ng/ul	100
77) Fluoranthene	19.45	202	234096	7.28	ng/ul	96
80) Pyrene	19.81	202	213642	6.49	ng/ul	95
81) Butylbenzylphthalate	20.69	149	59210	4.25	ng/ul	91
83) Benzo(a)anthracene	21.65	228	79550	2.63	ng/ul#	90
84) Bis(2-ethylhexyl)phthalate	21.56	149	620049	31.50	ng/ul	98
85) Chrysene	21.70	228	74276	2.63	ng/ul#	95
87) Di-n-octyl phthalate	22.77	149	96493	3.27	ng/ul	100
88) Benzo(b)fluoranthene	23.87	252	106374	3.70	ng/ul#	41
91) Benzo(a)pyrene	24.74	252	62667	2.29	ng/ul#	45
92) Indeno(1,2,3-cd)pyrene	28.56	276	42041	1.33	ng/ul#	79

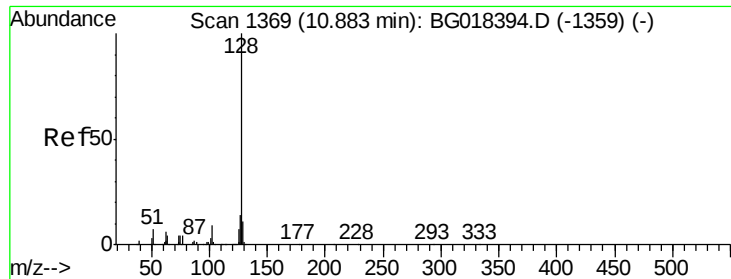
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#28

Naphthalene

Concen: 2.34 ng/ul

RT: 10.88 min Scan# 1369

Delta R.T. -0.00 min

Lab File: BG018396.D

Acq: 12 Aug 2015 11:49

Instrument :

BNA_M

ClientSampleId :

C01P9

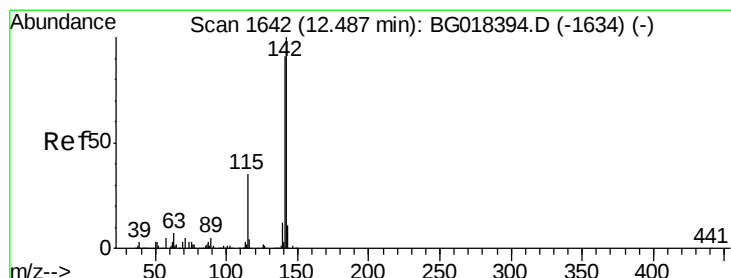
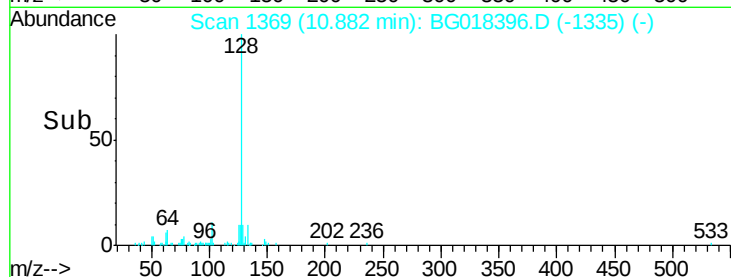
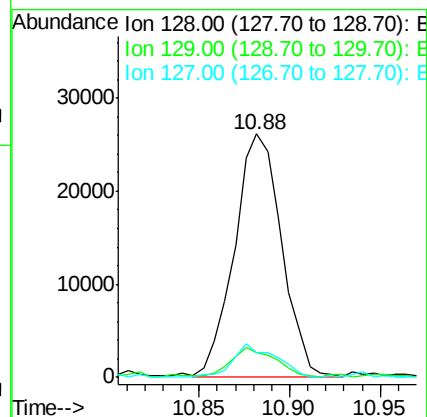
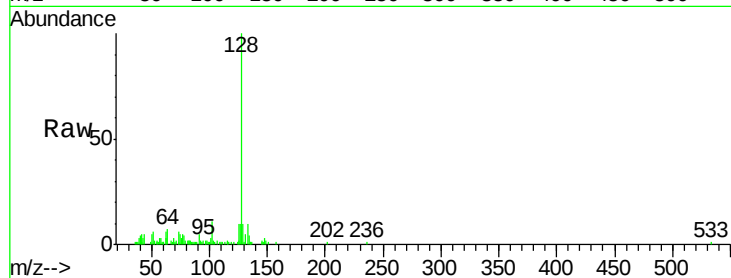
Tgt Ion:128 Resp: 47392

Ion Ratio Lower Upper

128 100

129 10.1 9.6 14.4

127 10.1 10.5 15.7#



#34

2-Methylnaphthalene

Concen: 2.05 ng/ul

RT: 12.49 min Scan# 1642

Delta R.T. -0.00 min

Lab File: BG018396.D

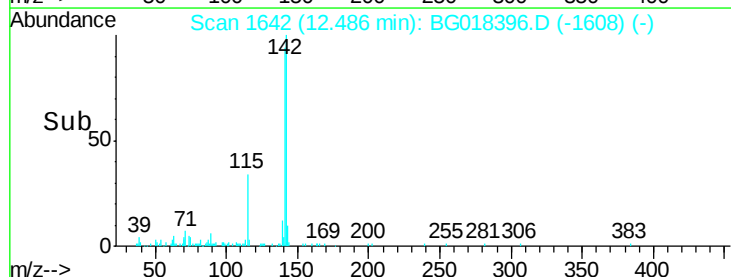
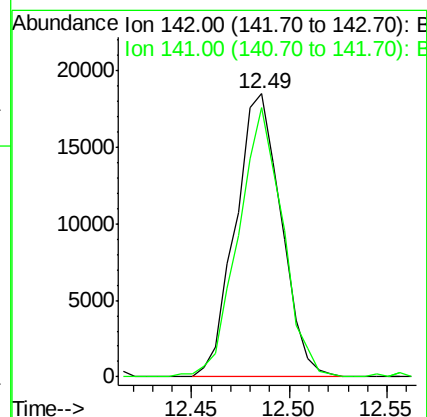
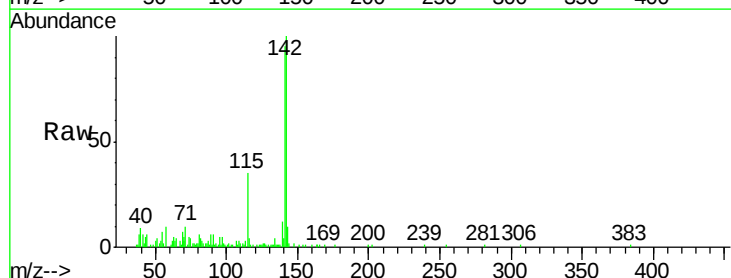
Acq: 12 Aug 2015 11:49

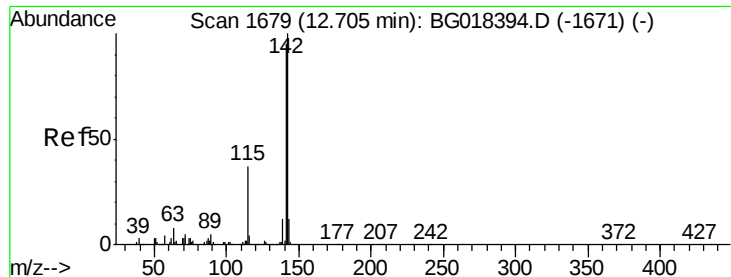
Tgt Ion:142 Resp: 30015

Ion Ratio Lower Upper

142 100

141 95.2 78.0 117.0

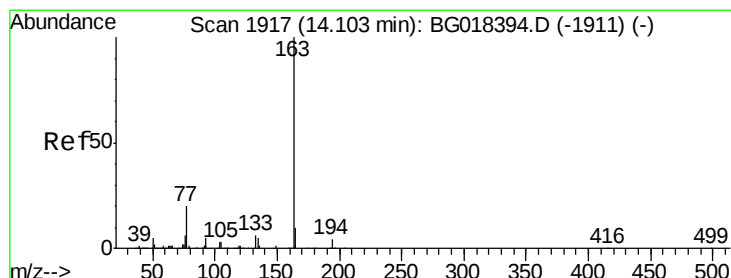
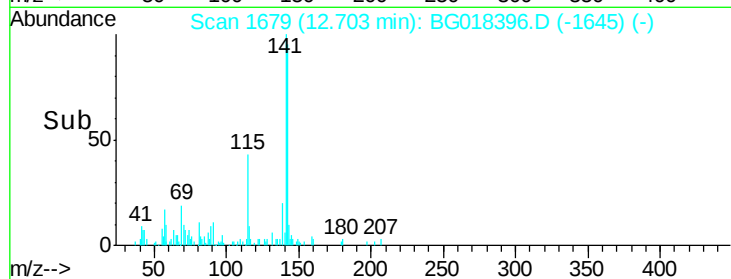
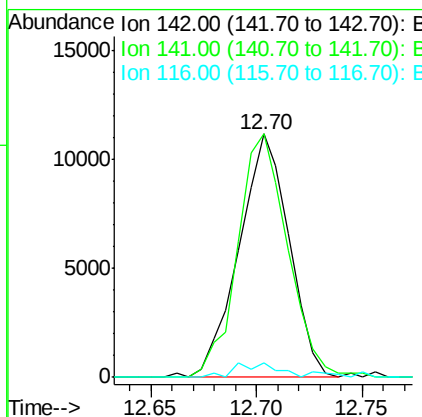
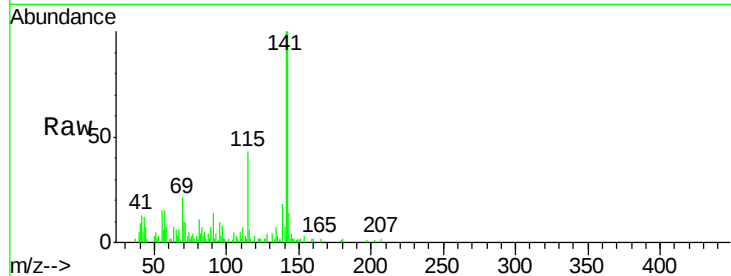




#35
 1-Methylnaphthalene
 Concen: 1.28 ng/ul
 RT: 12.70 min Scan# 1679
 Delta R.T. -0.00 min
 Lab File: BG018396.D
 Acq: 12 Aug 2015 11:49

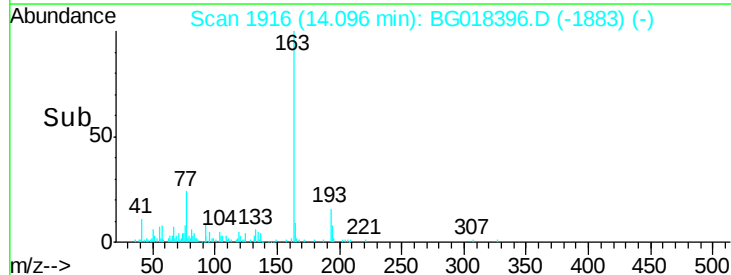
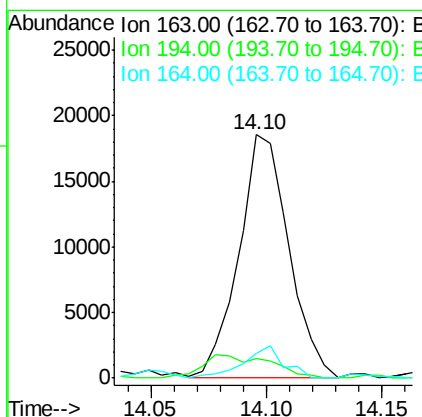
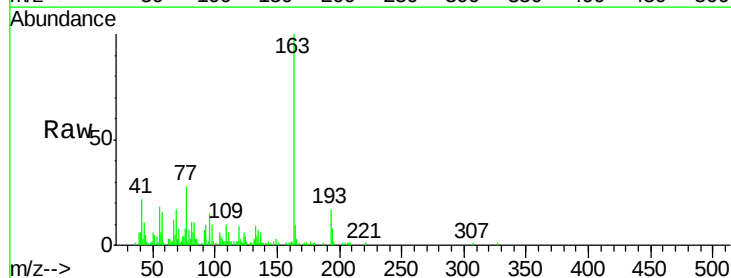
Instrument :
 BNA_M
 ClientSampleId :
 C01P9

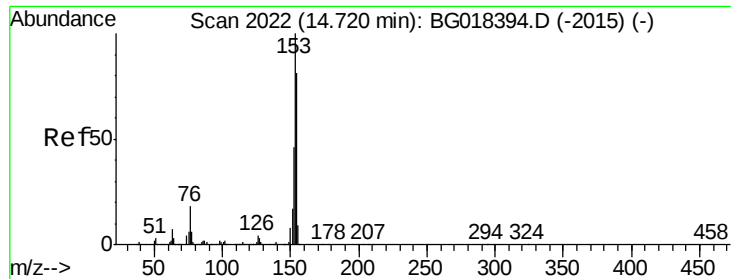
Tgt Ion	Ratio	Lower	Upper
142	100		
141	100.2	77.1	115.7
116	6.1	3.5	5.3#



#45
 Dimethylphthalate
 Concen: 1.39 ng/ul
 RT: 14.10 min Scan# 1916
 Delta R.T. -0.01 min
 Lab File: BG018396.D
 Acq: 12 Aug 2015 11:49

Tgt Ion	Ratio	Lower	Upper
163	100		
194	8.2	2.9	4.3#
164	10.2	7.7	11.5





#50

Acenaphthene

Concen: 1.89 ng/ul

RT: 14.71 min Scan# 2021

Delta R.T. -0.01 min

Lab File: BG018396.D

Acq: 12 Aug 2015 11:49

Instrument :

BNA_M

ClientSampleId :

C01P9

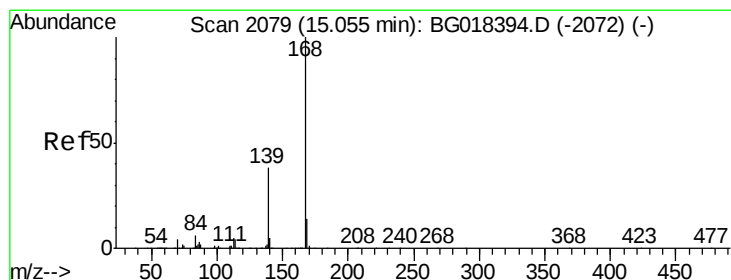
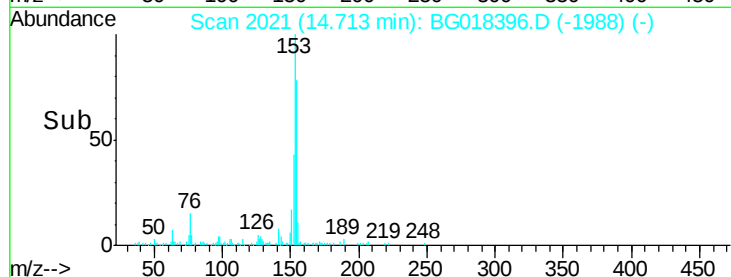
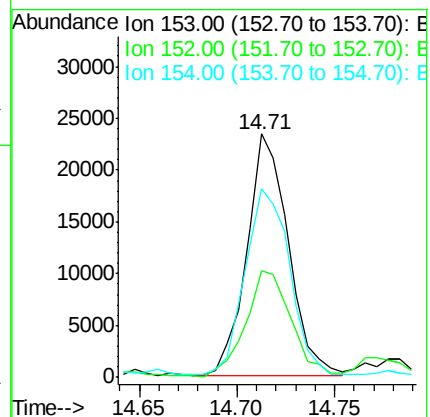
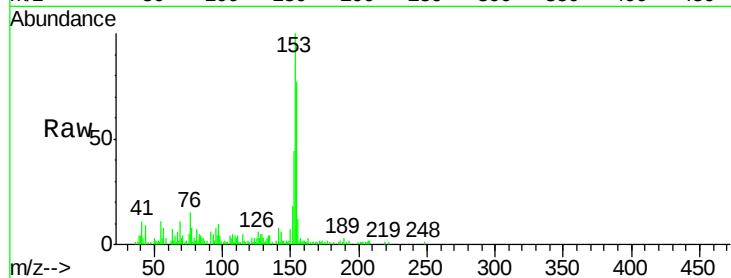
Tgt Ion:153 Resp: 34173

Ion Ratio Lower Upper

153 100

152 43.9 38.2 57.4

154 77.2 68.6 103.0



#54

Dibenzofuran

Concen: 1.29 ng/ul

RT: 15.05 min Scan# 2078

Delta R.T. -0.01 min

Lab File: BG018396.D

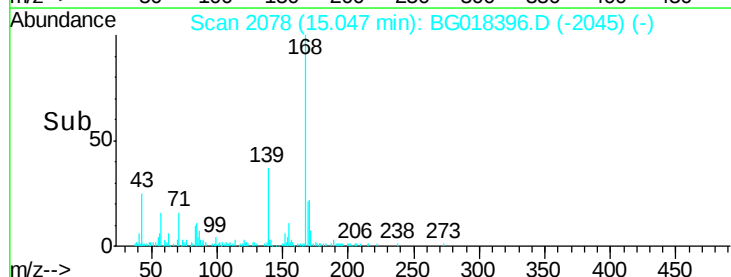
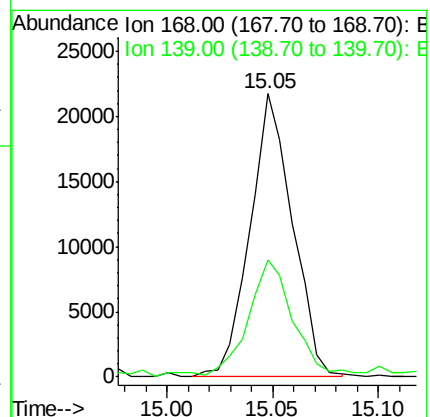
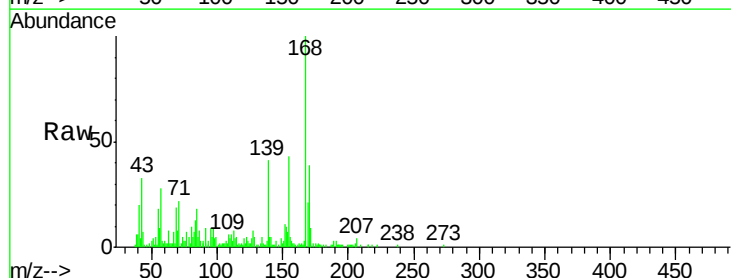
Acq: 12 Aug 2015 11:49

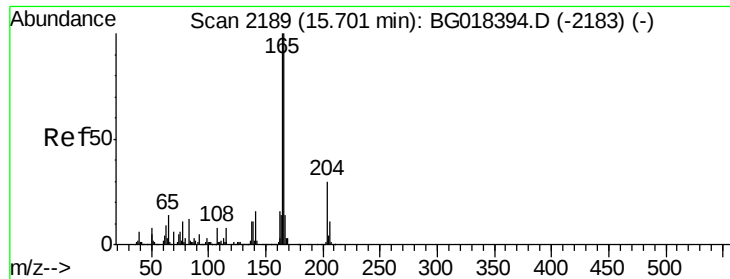
Tgt Ion:168 Resp: 30413

Ion Ratio Lower Upper

168 100

139 41.2 29.7 44.5





#59

Fluorene

Concen: 1.82 ng/ul

RT: 15.70 min Scan# 2189

Delta R.T. -0.00 min

Lab File: BG018396.D

Acq: 12 Aug 2015 11:49

Instrument :

BNA_M

ClientSampleId :

C01P9

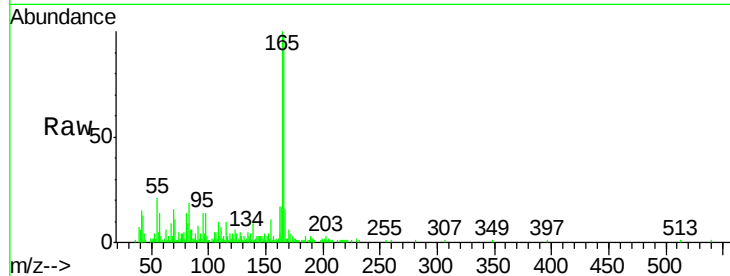
Tgt Ion:166 Resp: 36961

Ion Ratio Lower Upper

166 100

165 102.2 82.6 124.0

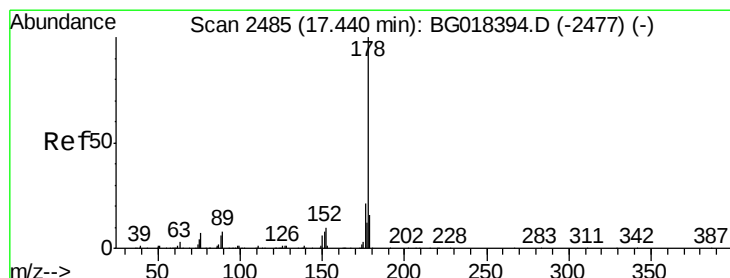
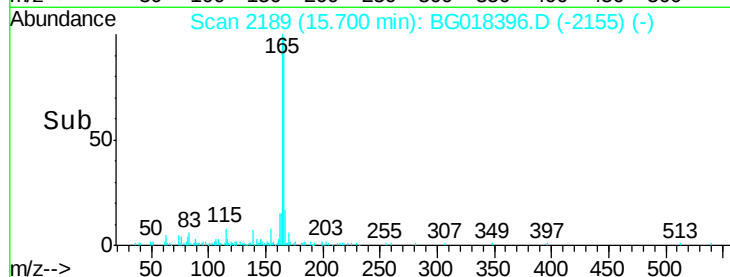
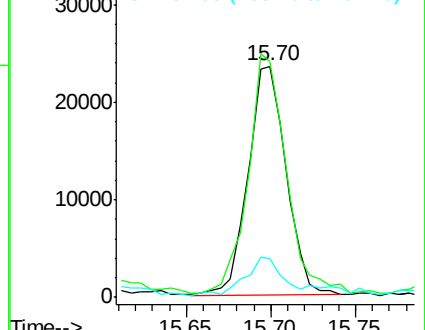
167 16.7 11.4 17.0



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: 6.49 ng/ul

RT: 17.44 min Scan# 2485

Delta R.T. -0.00 min

Lab File: BG018396.D

Acq: 12 Aug 2015 11:49

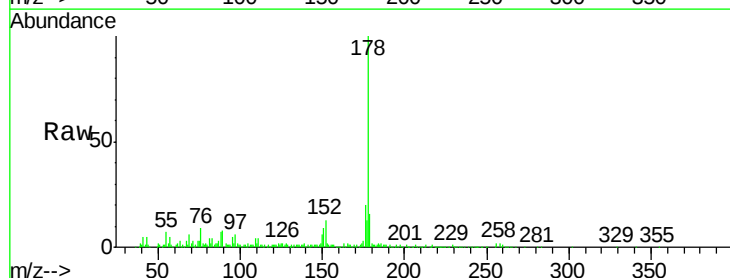
Tgt Ion:178 Resp: 195399

Ion Ratio Lower Upper

178 100

179 16.1 13.7 20.5

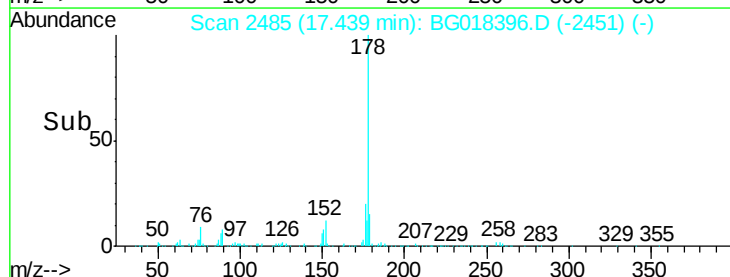
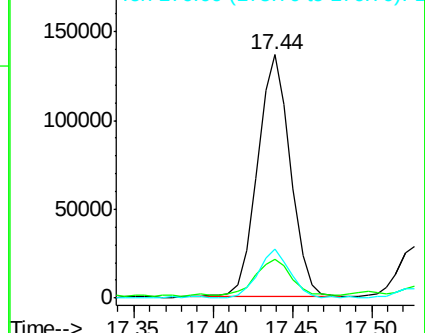
176 20.1 16.6 24.8

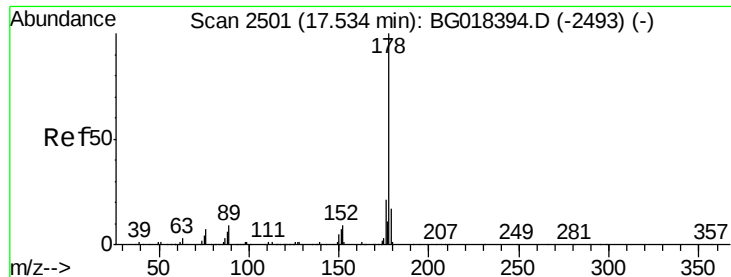


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Anthracene

Concen: 1.51 ng/ul

RT: 17.53 min Scan# 2501

Delta R.T. -0.00 min

Lab File: BG018396.D

Acq: 12 Aug 2015 11:49

Instrument :

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C01P9

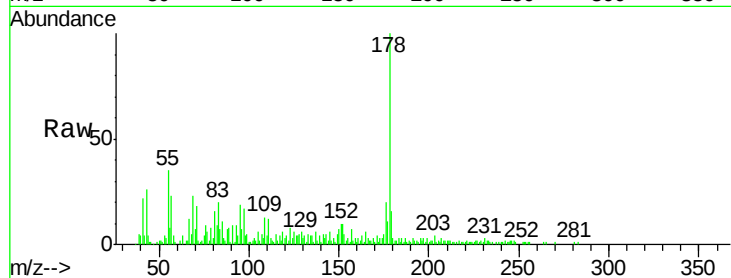
Tgt Ion:178 Resp: 46226

Ion Ratio Lower Upper

178 100

179 16.1 13.0 19.4

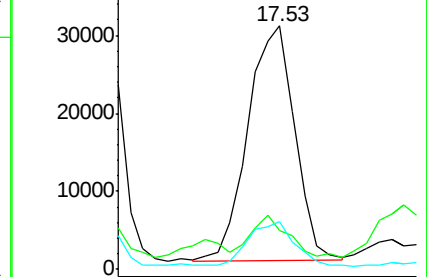
176 19.8 16.0 24.0



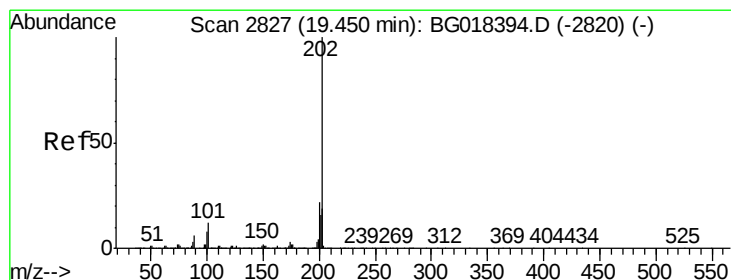
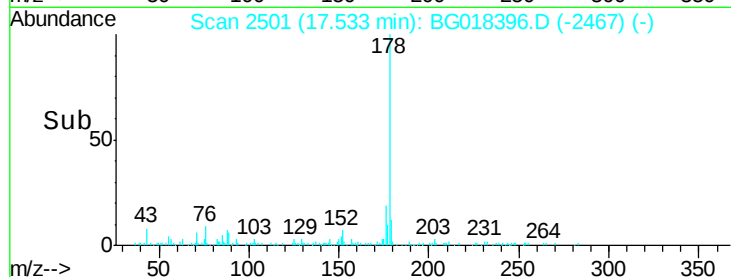
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



Time-->



#77

Fluoranthene

Concen: 7.28 ng/ul

RT: 19.45 min Scan# 2827

Delta R.T. -0.00 min

Lab File: BG018396.D

Acq: 12 Aug 2015 11:49

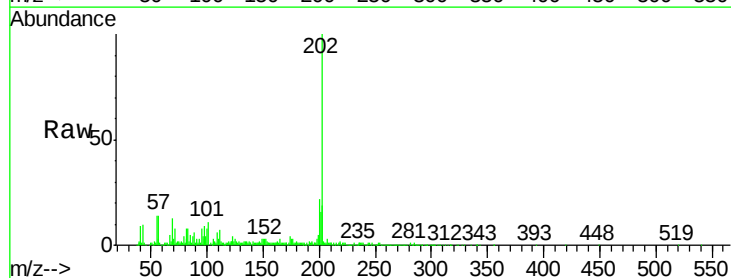
Tgt Ion:202 Resp: 234096

Ion Ratio Lower Upper

202 100

101 10.5 9.7 14.5

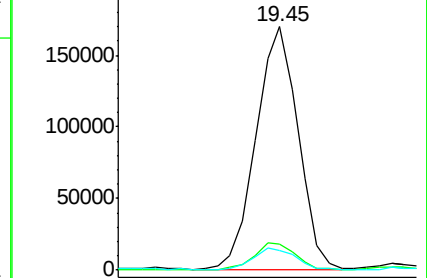
100 8.0 7.8 11.8



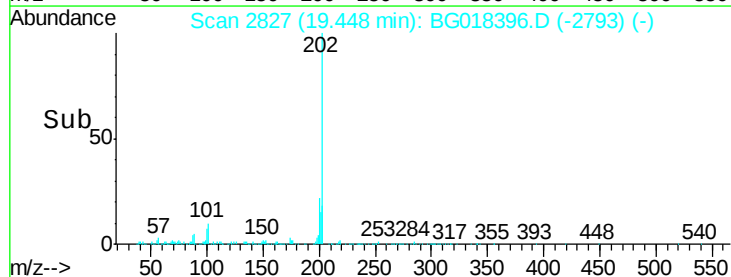
Abundance Ion 202.00 (201.70 to 202.70): E

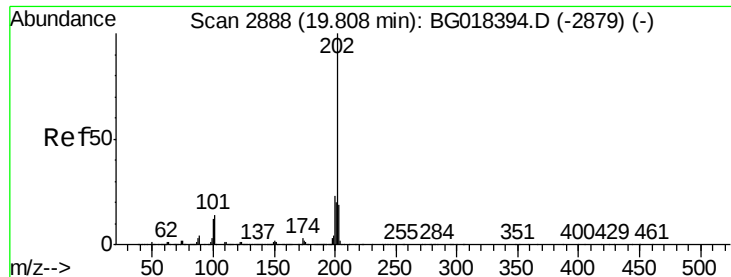
Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



Time-->





#80

Pyrene

Concen: 6.49 ng/ul

RT: 19.81 min Scan# 2889

Delta R.T. 0.00 min

Lab File: BG018396.D

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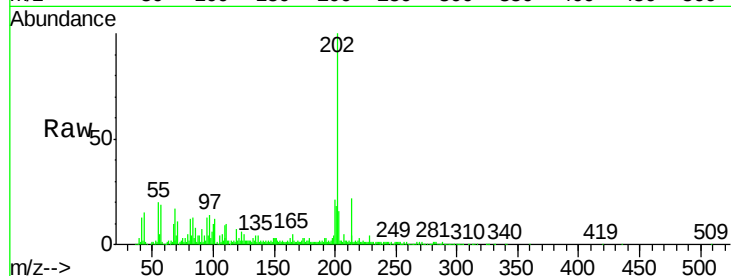
Tgt Ion: 202 Resp: 213642

Ion Ratio Lower Upper

202 100

101 11.8 11.0 16.4

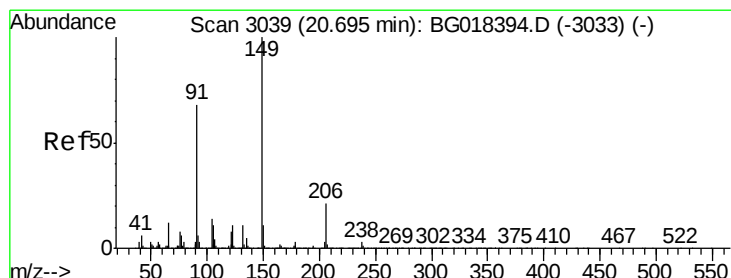
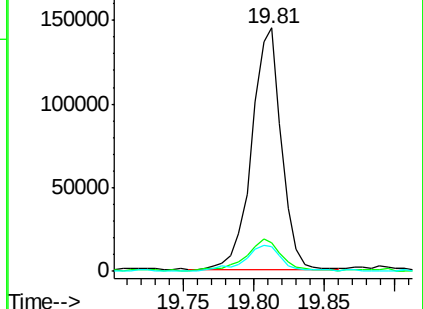
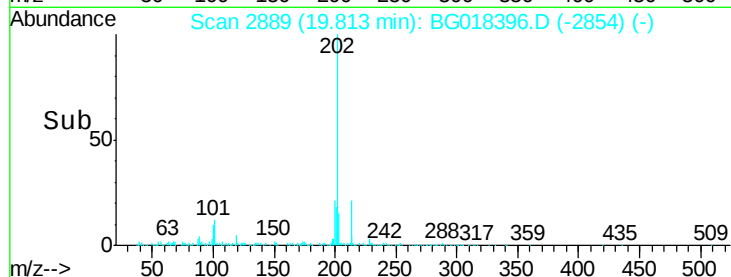
100 10.1 9.8 14.6



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: 4.25 ng/ul

RT: 20.69 min Scan# 3039

Delta R.T. -0.00 min

Lab File: BG018396.D

Acq: 12 Aug 2015 11:49

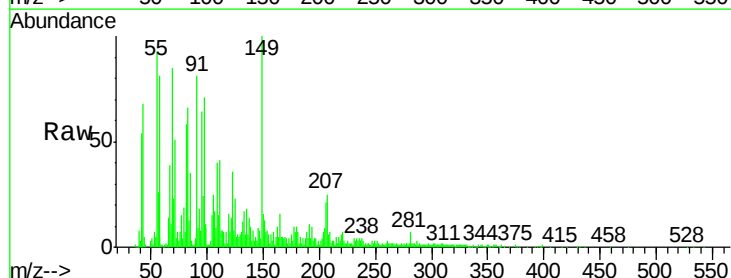
Tgt Ion: 149 Resp: 59210

Ion Ratio Lower Upper

149 100

91 81.2 57.9 86.9

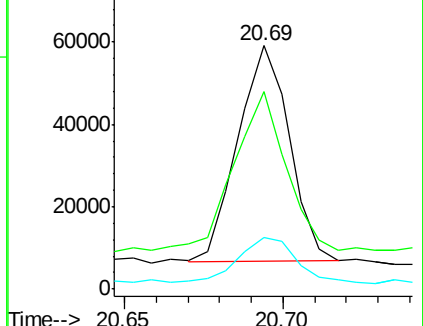
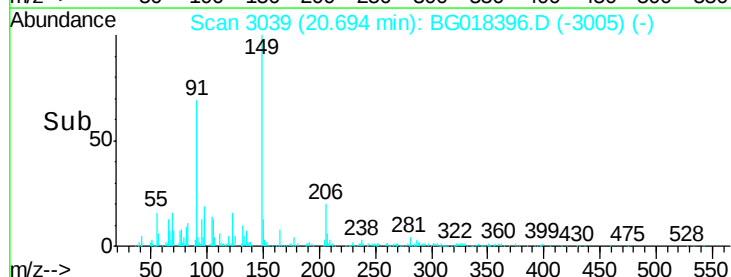
206 21.0 17.9 26.9

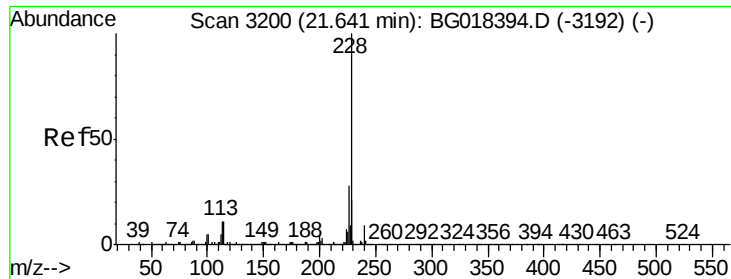


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): B

Ion 206.00 (205.70 to 206.70): E





#83

Benzo(a)anthracene

Concen: 2.63 ng/ul

RT: 21.65 min Scan# 3201

Delta R.T. 0.00 min

Lab File: BG018396.D

Acq: 12 Aug 2015 11:49

Instrument :

BNA_M

ClientSampleId :

C01P9

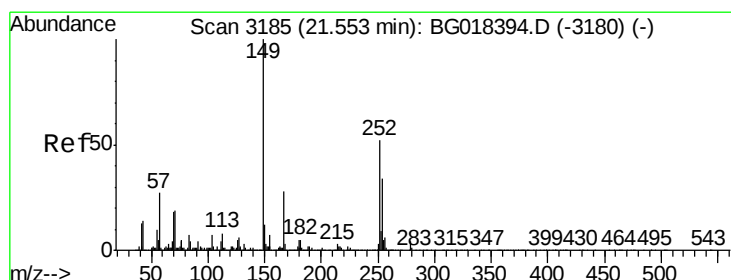
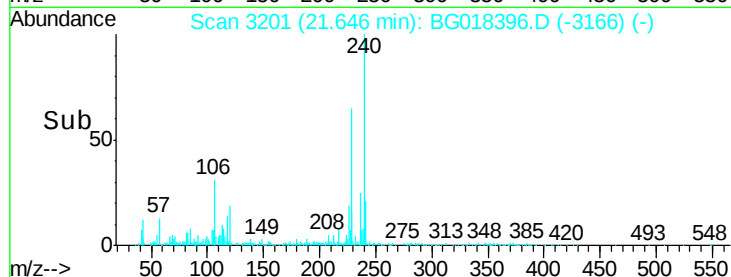
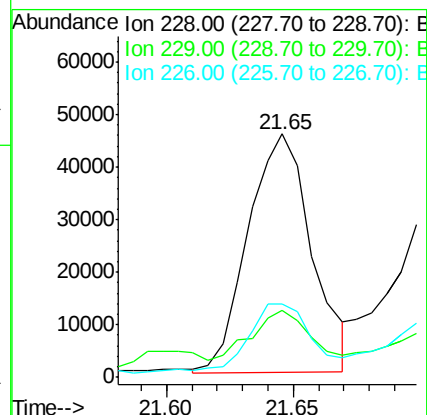
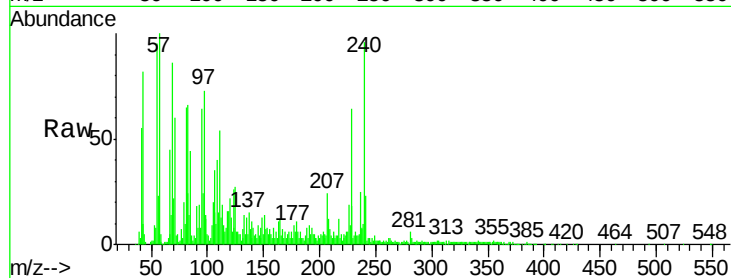
Tgt Ion:228 Resp: 79550

Ion Ratio Lower Upper

228 100

229 27.5 15.5 23.3#

226 30.0 22.1 33.1



#84

Bis(2-ethylhexyl)phthalate

Concen: 31.50 ng/ul

RT: 21.56 min Scan# 3186

Delta R.T. 0.00 min

Lab File: BG018396.D

Acq: 12 Aug 2015 11:49

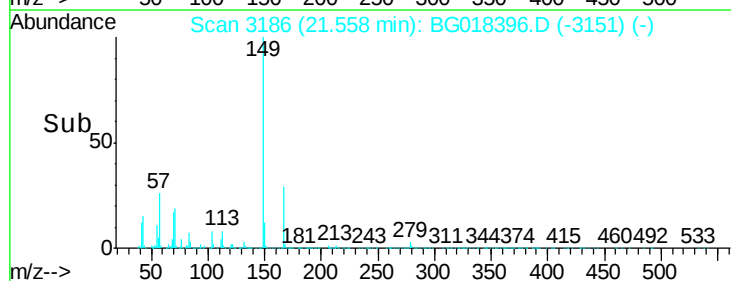
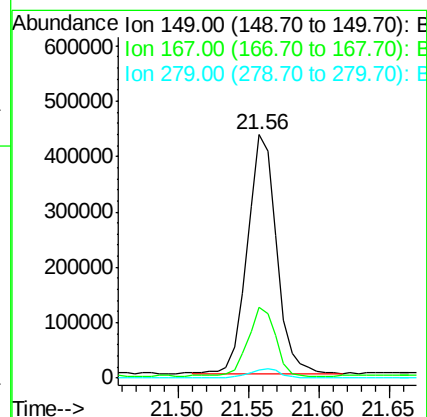
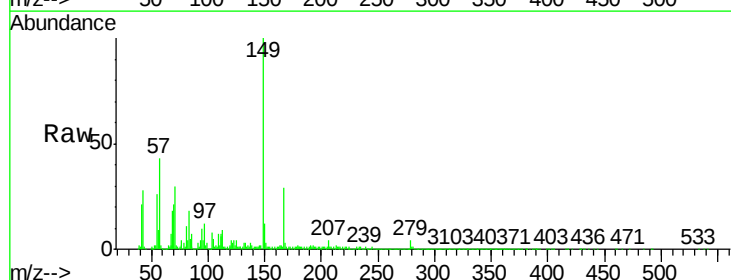
Tgt Ion:149 Resp: 620049

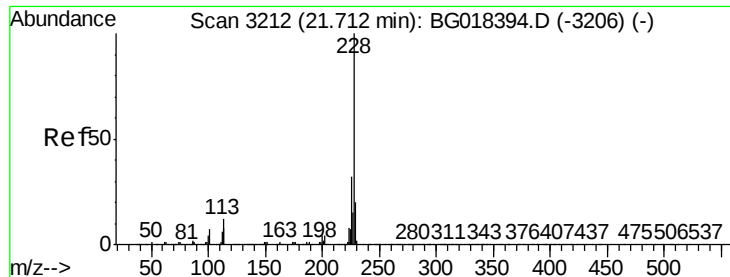
Ion Ratio Lower Upper

149 100

167 29.0 22.2 33.2

279 3.6 2.8 4.2

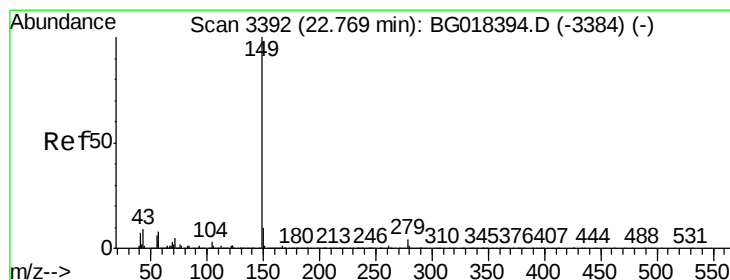
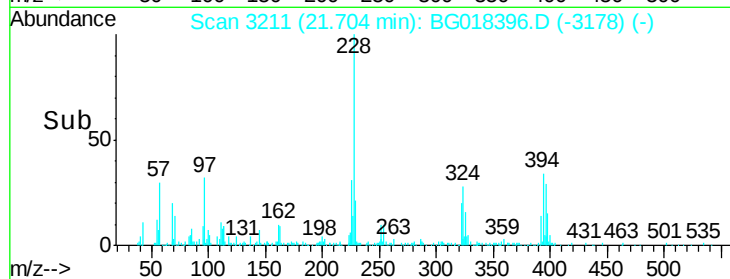
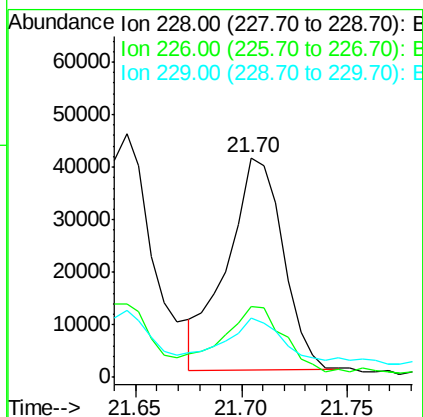
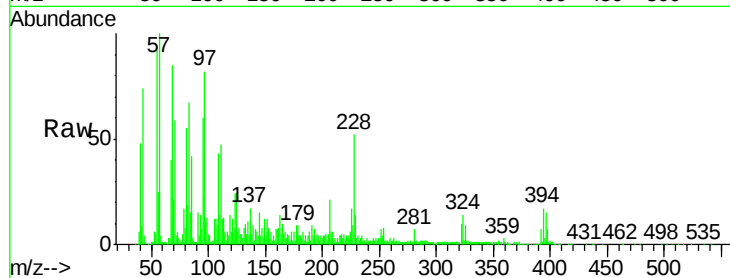




#85
Chrysene
Concen: 2.63 ng/ul
RT: 21.70 min Scan# 3211
Delta R.T. -0.01 min
Lab File: BG018396.D
Acq: 12 Aug 2015 11:49

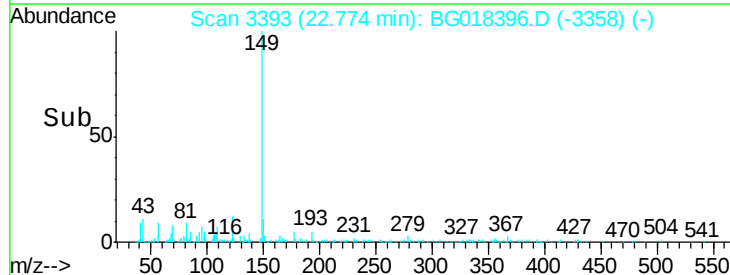
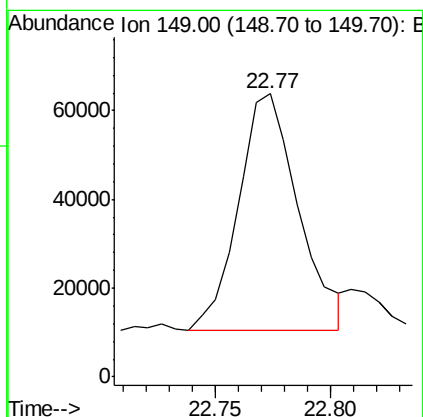
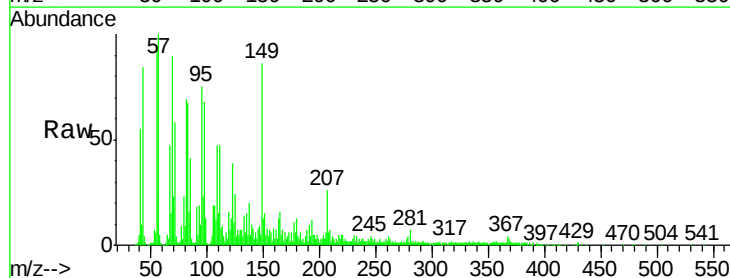
Instrument :
BNA_M
ClientSampleId :
C01P9

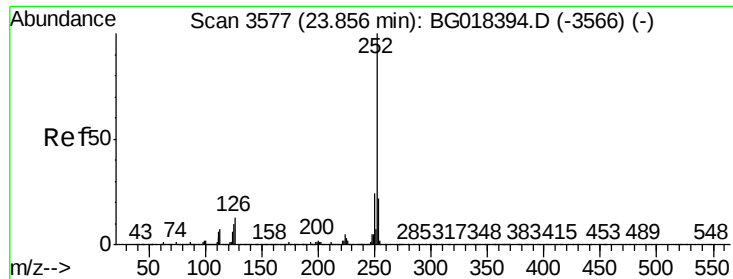
Tgt Ion:228 Resp: 74276
Ion Ratio Lower Upper
228 100
226 32.4 26.5 39.7
229 26.7 16.9 25.3#



#87
Di-n-octyl phthalate
Concen: 3.27 ng/ul
RT: 22.77 min Scan# 3393
Delta R.T. 0.00 min
Lab File: BG018396.D
Acq: 12 Aug 2015 11:49

Tgt Ion:149 Resp: 96493





#88

Benzo(b)fluoranthene

Concen: 3.70 ng/ul

RT: 23.87 min Scan# 3580

Delta R.T. 0.02 min

Lab File: BG018396.D

Acq: 12 Aug 2015 11:49

Instrument :

BNA_M

ClientSampleId :

C01P9

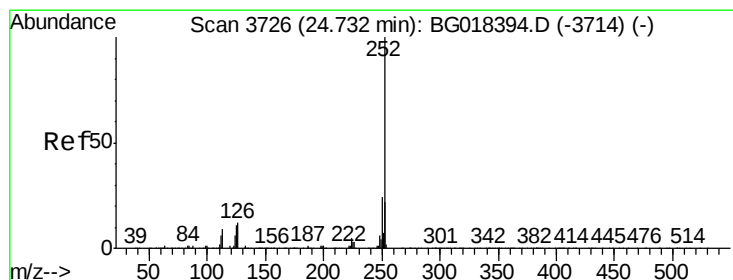
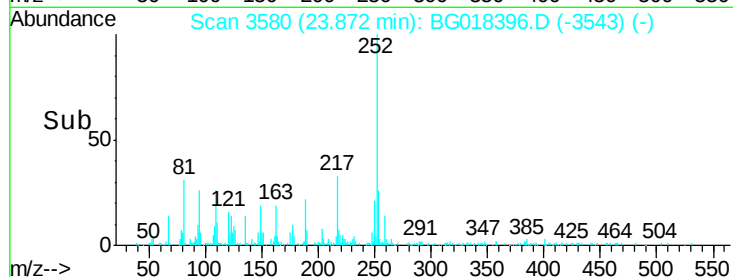
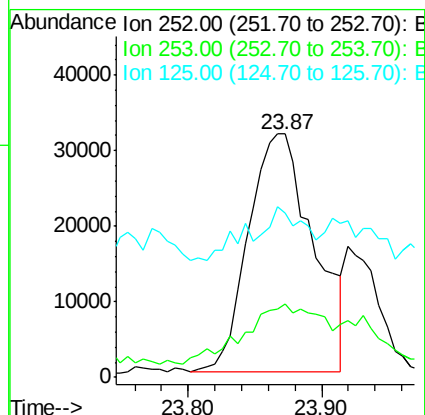
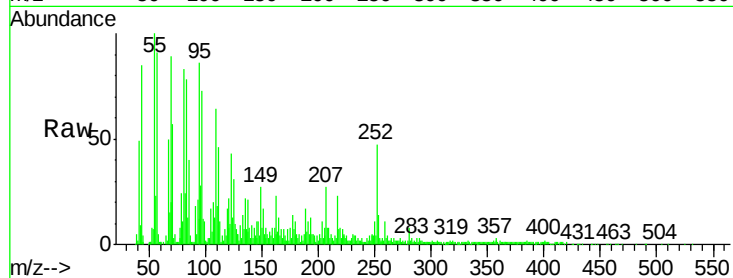
Tgt Ion:252 Resp: 106374

Ion Ratio Lower Upper

252 100

253 30.1 18.1 27.1#

125 67.4 8.3 12.5#



#91

Benzo(a)pyrene

Concen: 2.29 ng/ul

RT: 24.74 min Scan# 3727

Delta R.T. 0.00 min

Lab File: BG018396.D

Acq: 12 Aug 2015 11:49

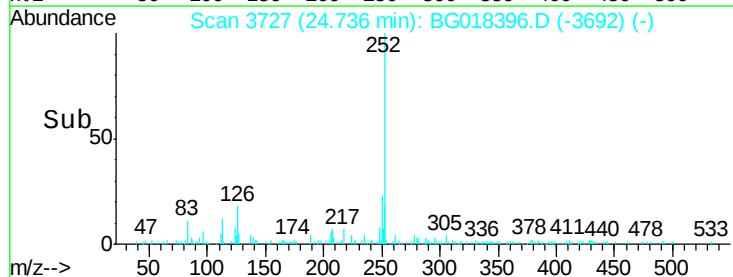
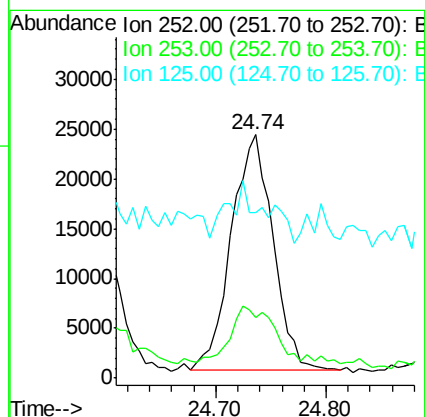
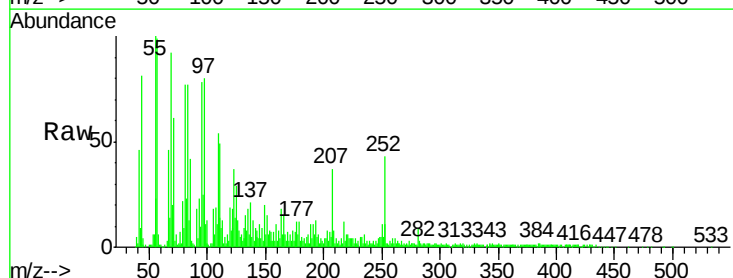
Tgt Ion:252 Resp: 62667

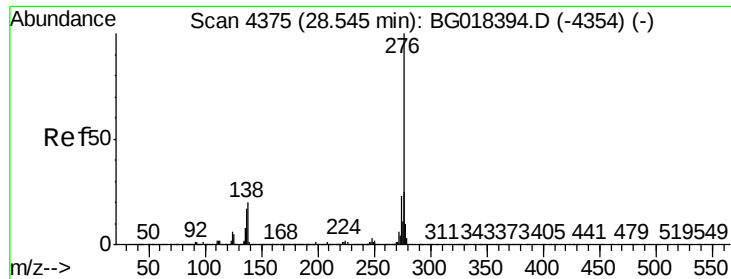
Ion Ratio Lower Upper

252 100

253 25.1 17.7 26.5

125 67.9 10.2 15.2#





#92

Indeno(1,2,3-cd)pyrene

Concen: 1.33 ng/ul

RT: 28.56 min Scan# 4378

Delta R.T. 0.02 min

Lab File: BG018396.D

Acq: 12 Aug 2015 11:49

Instrument :

BNA_M

ClientSampleId :

C01P9

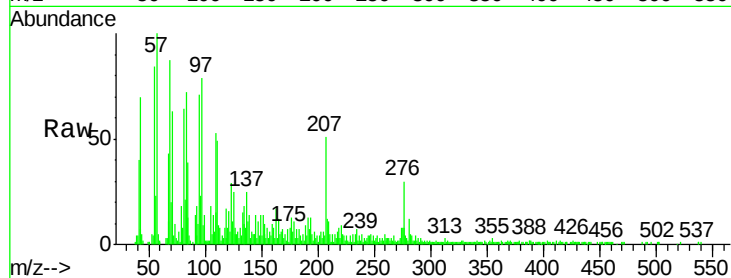
Tgt Ion: 276 Resp: 42041

Ion Ratio Lower Upper

276 100

138 36.3 15.8 23.6#

277 27.3 18.9 28.3



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

