

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080915\
 Data File : BG018339.D
 Acq On : 9 Aug 2015 21:40
 Operator : UM/TP
 Sample : G3136-05
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C01T4

Quant Time: Aug 10 02:21:41 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 10 02:20:20 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.08	152	143720	20.00	ng/ul	0.01
18) Naphthalene-d8	10.88	136	682211	20.00	ng/ul	0.01
36) Acenaphthene-d10	14.69	164	414982	20.00	ng/ul	0.01
62) Phenanthrene-d10	17.44	188	811048	20.00	ng/ul	0.01
78) Chrysene-d12	21.71	240	688048	20.00	ng/ul	0.02
86) Perylene-d12	24.97	264	679383	20.00	ng/ul	0.05

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.52	96	4720	1.46	ng/uL	0.00
5) Phenol-d5	7.22	99	115922	8.98	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.39	67	81531	10.11	ng/ul	0.00
9) 2-Chlorophenol-d4	7.60	132	94270	9.48	ng/ul	0.00
13) 4-Methylphenol-d8	8.77	113	57025	5.24	ng/ul	0.00
19) Nitrobenzene-d5	9.23	128	50650	9.69	ng/ul	0.00
22) 2-Nitrophenol-d4	9.95	143	51241	9.70	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.49	165	97064	8.50	ng/ul	0.00
29) 4-Chloroaniline-d4	11.00	131	46156	3.62	ng/ul	0.00
44) Dimethylphthalate-d6	14.09	166	325517	9.39	ng/ul	0.00
47) Acenaphthylene-d8	14.39	160	391821	9.03	ng/ul	0.01
52) 4-Nitrophenol-d4	14.86	143	31485	5.06	ng/ul	0.00
58) Fluorene-d10	15.68	176	269827	8.97	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.79	200	22522	5.69	ng/ul	0.00
71) Anthracene-d10	17.54	188	355521	9.25	ng/ul	0.01
79) Pyrene-d10	19.82	212	336813	9.52	ng/ul	0.01
90) Benzo(a)pyrene-d12	24.74	264	344369	9.61	ng/ul	0.04

Target Compounds

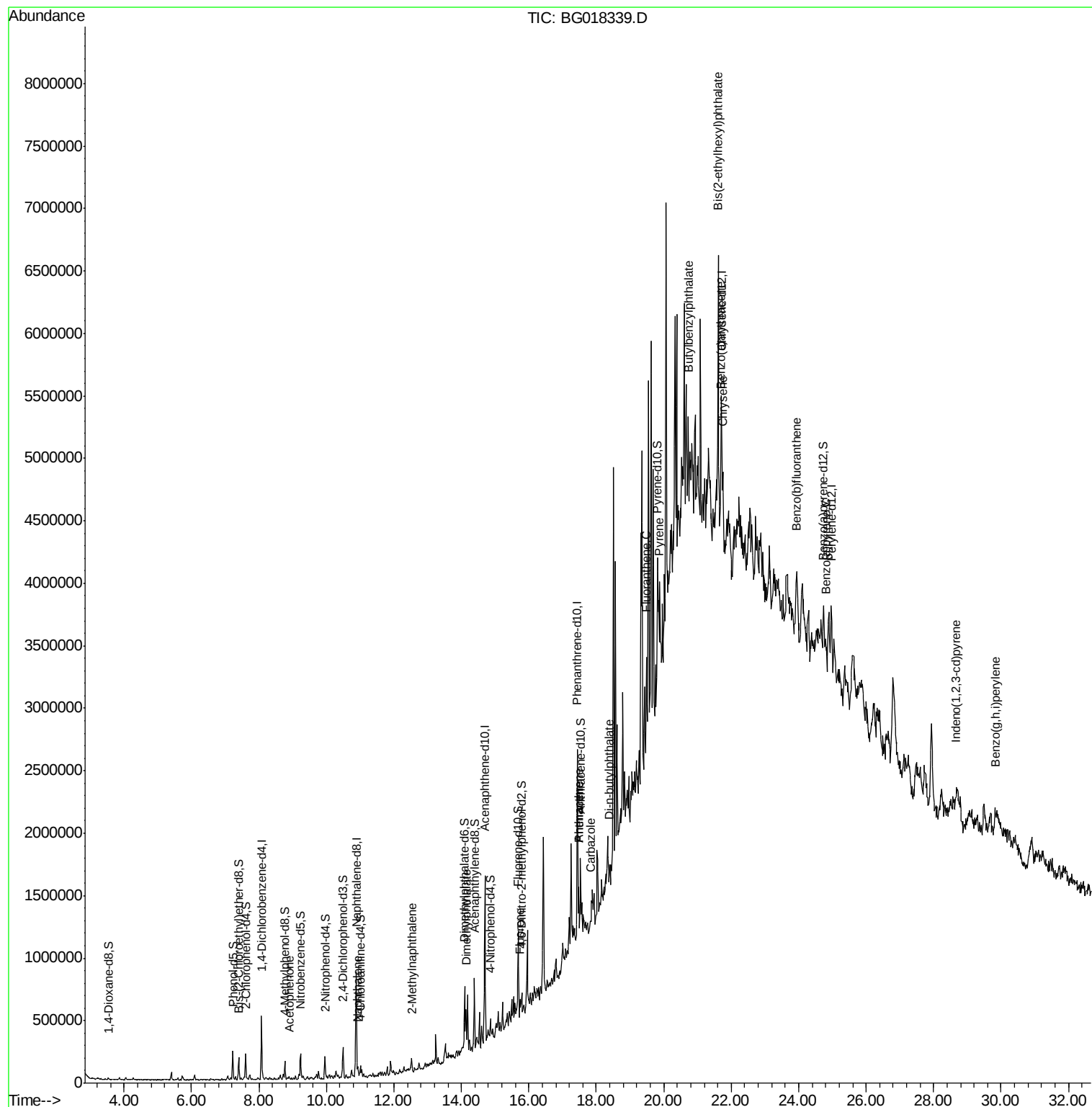
					Qvalue	
14) Acetophenone	8.88	105	16099	1.03	ng/ul#	56
28) Naphthalene	10.93	128	46373	1.30	ng/ul	97
34) 2-Methylnaphthalene	12.53	142	40246	1.56	ng/ul	91
45) Dimethylphthalate	14.14	163	148183	4.34	ng/ul#	98
59) Fluorene	15.74	166	35237	1.02	ng/ul#	82
70) Phenanthrene	17.48	178	233540	5.31	ng/ul#	95
72) Anthracene	17.48	178	233416	5.21	ng/ul	96
75) Carbazole	17.83	167	75024	1.91	ng/ul#	87
76) Di-n-butylphthalate	18.40	149	86424	1.68	ng/ul#	89
77) Fluoranthene	19.49	202	329833	7.04	ng/ul	96
80) Pyrene	19.85	202	346369	7.54	ng/ul	99
81) Butylbenzylphthalate	20.73	149	88199	4.51	ng/ul	88
83) Benzo(a)anthracene	21.69	228	143576	3.39	ng/ul#	83
84) Bis(2-ethylhexyl)phthalate	21.61	149	702623	25.36	ng/ul#	97
85) Chrysene	21.76	228	167589	4.23	ng/ul#	86
88) Benzo(b)fluoranthene	23.93	252	250228	5.91	ng/ul#	56
91) Benzo(a)pyrene	24.81	252	161283	4.00	ng/ul#	44
92) Indeno(1,2,3-cd)pyrene	28.68	276	134996	2.89	ng/ul#	72
94) Benzo(g,h,i)perylene	29.84	276	133729	3.42	ng/ul#	71

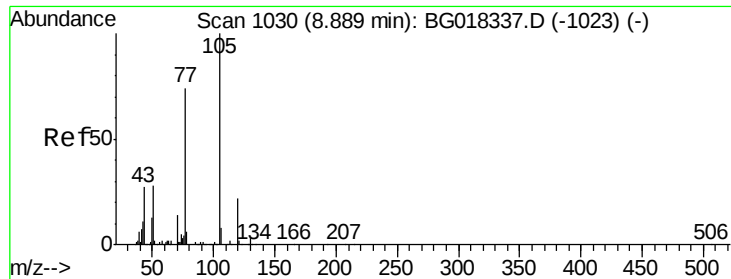
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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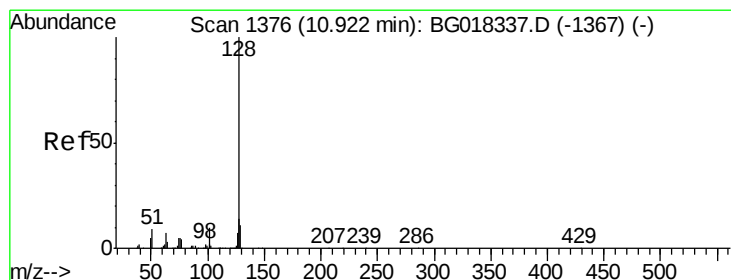
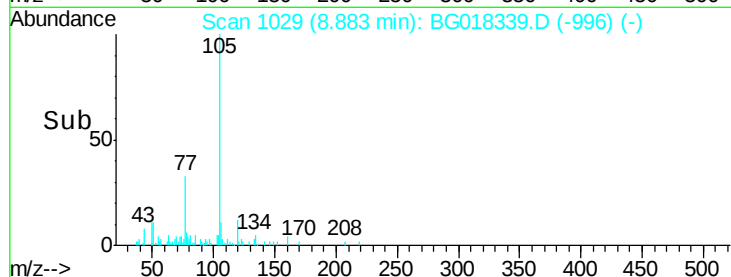
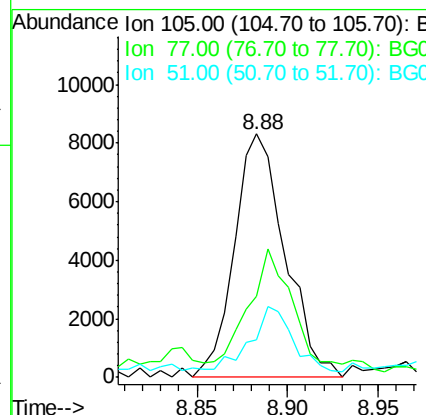
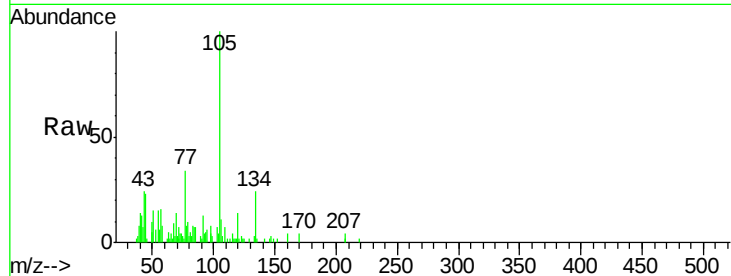




#14
Acetophenone
Concen: 1.03 ng/ul
RT: 8.88 min Scan# 1029
Delta R.T. -0.01 min
Lab File: BG018339.D
Acq: 9 Aug 2015 21:40

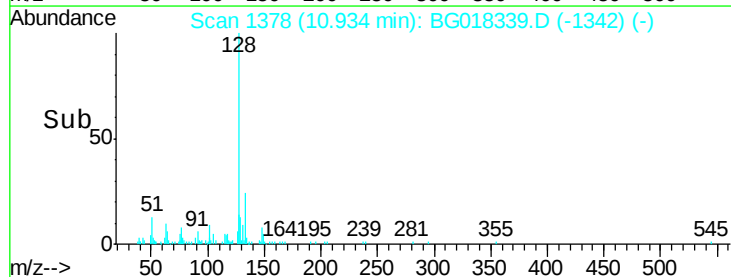
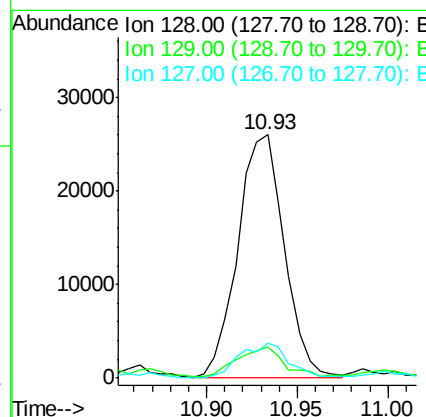
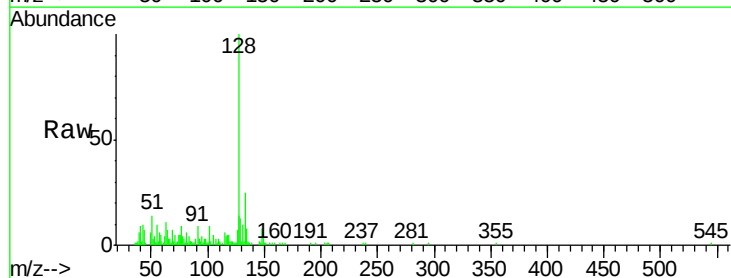
Instrument :
BNA_G
ClientSampled :
C01T4

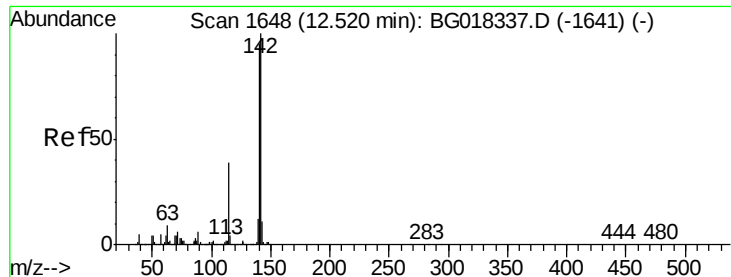
Tgt Ion:105 Resp: 16099
Ion Ratio Lower Upper
105 100
77 33.5 61.7 92.5#
51 15.3 24.0 36.0#



#28
Naphthalene
Concen: 1.30 ng/ul
RT: 10.93 min Scan# 1378
Delta R.T. 0.01 min
Lab File: BG018339.D
Acq: 9 Aug 2015 21:40

Tgt Ion:128 Resp: 46373
Ion Ratio Lower Upper
128 100
129 12.6 8.6 13.0
127 14.1 10.8 16.2

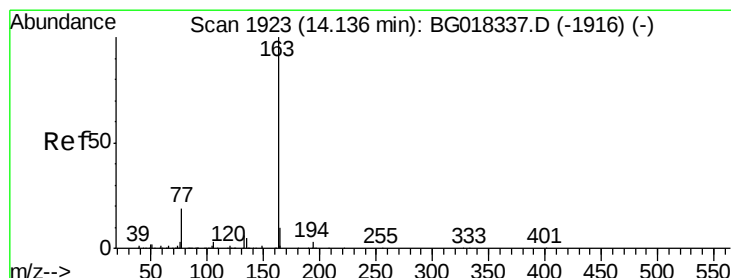
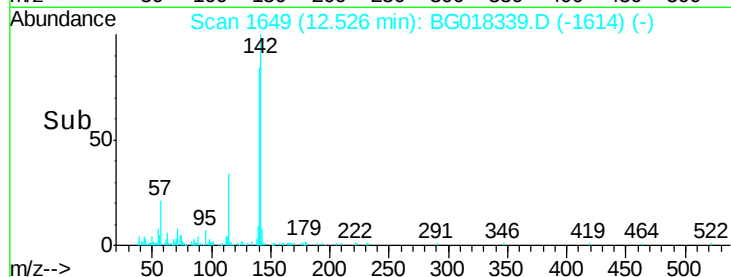
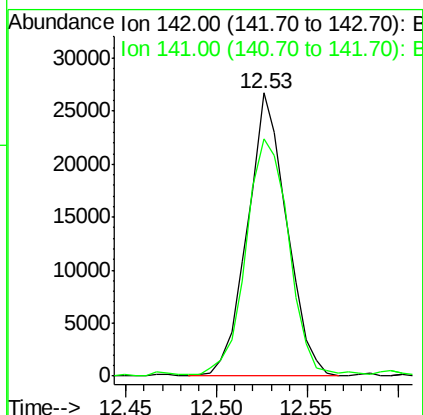
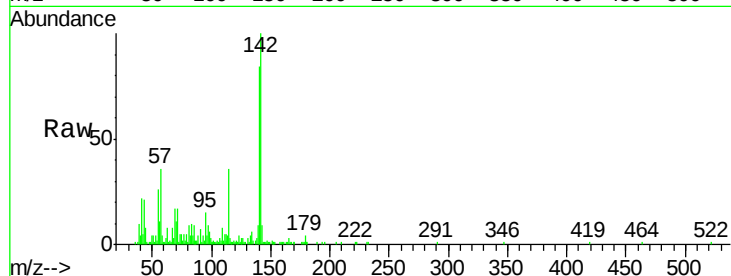




#34
 2-Methylnaphthalene
 Concen: 1.56 ng/ul
 RT: 12.53 min Scan# 1649
 Delta R.T. 0.01 min
 Lab File: BG018339.D
 Acq: 9 Aug 2015 21:40

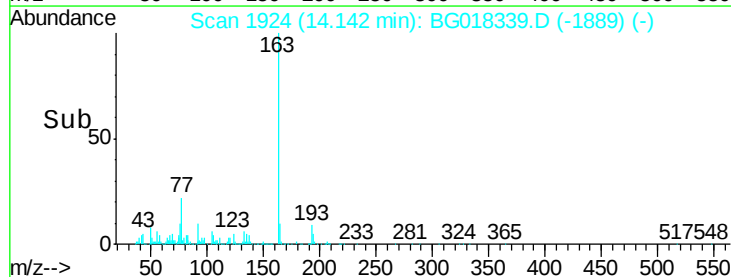
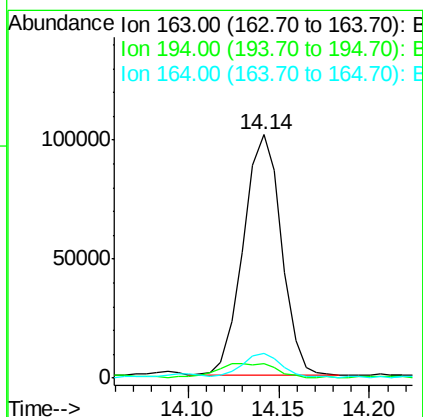
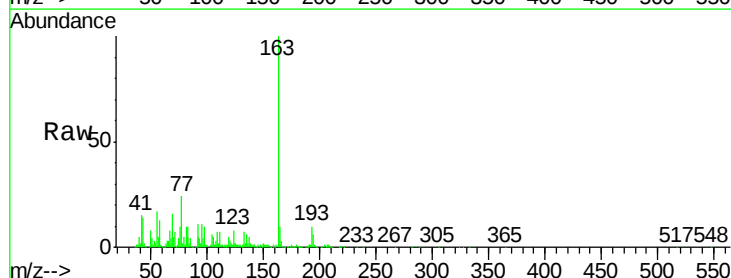
Instrument :
 BNA_G
 ClientSampleId :
 C01T4

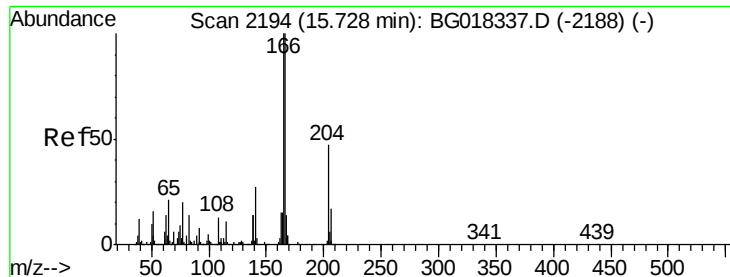
Tgt Ion:142 Resp: 40246
 Ion Ratio Lower Upper
 142 100
 141 83.8 73.7 110.5



#45
 Dimethylphthalate
 Concen: 4.34 ng/ul
 RT: 14.14 min Scan# 1924
 Delta R.T. 0.01 min
 Lab File: BG018339.D
 Acq: 9 Aug 2015 21:40

Tgt Ion:163 Resp: 148183
 Ion Ratio Lower Upper
 163 100
 194 5.7 3.2 4.8#
 164 10.0 8.0 12.0





#59

Fluorene

Concen: 1.02 ng/ul

RT: 15.74 min Scan# 2196

Delta R.T. 0.01 min

Lab File: BG018339.D

Acq: 9 Aug 2015 21:40

Instrument :

BNA_G

ClientSampleId :

C01T4

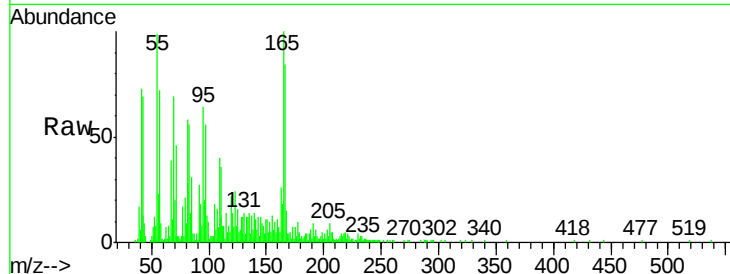
Tgt Ion:166 Resp: 35237

Ion Ratio Lower Upper

166 100

165 118.8 79.7 119.5

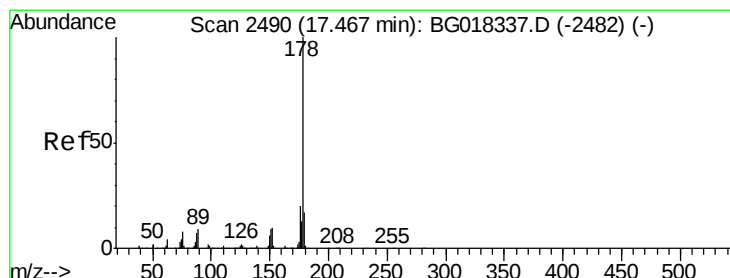
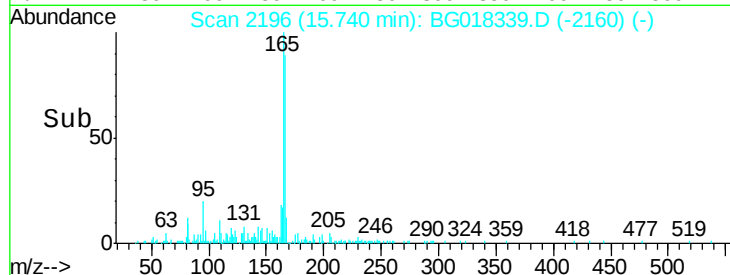
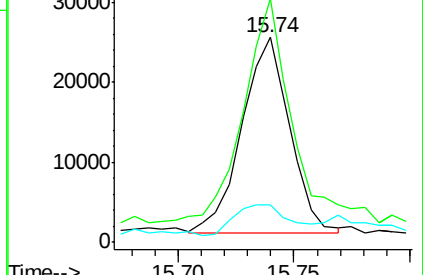
167 18.3 10.8 16.2#



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: 5.31 ng/ul

RT: 17.48 min Scan# 2492

Delta R.T. 0.01 min

Lab File: BG018339.D

Acq: 9 Aug 2015 21:40

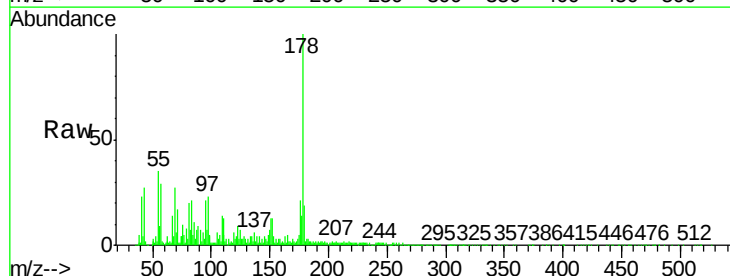
Tgt Ion:178 Resp: 233540

Ion Ratio Lower Upper

178 100

179 18.7 12.4 18.6#

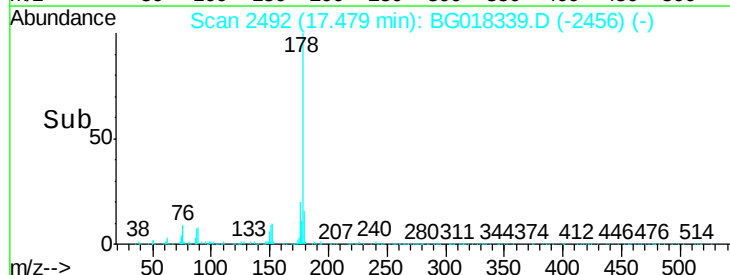
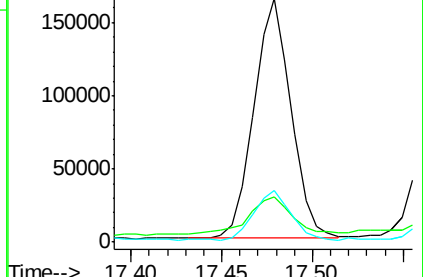
176 21.1 15.9 23.9

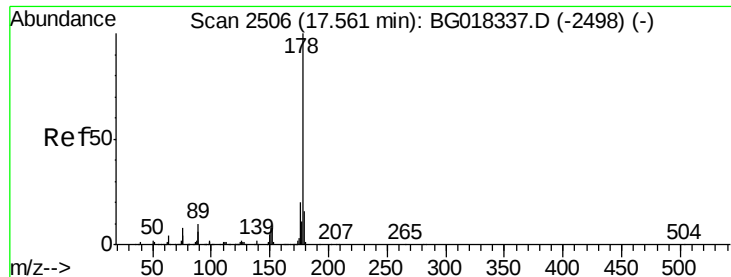


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Anthracene

Concen: 5.21 ng/ul

RT: 17.48 min Scan# 2492

Delta R.T. -0.08 min

Lab File: BG018339.D

Acq: 9 Aug 2015 21:40

Instrument :

BNA_G

ClientSampleId :

C01T4

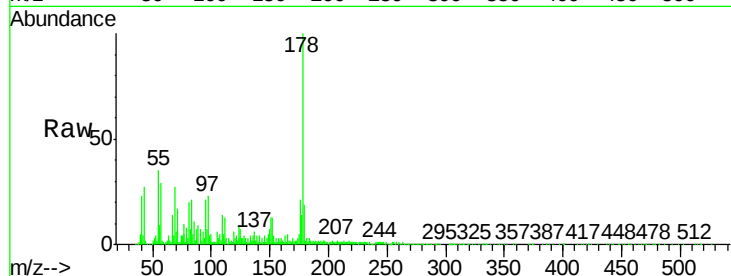
Tgt Ion:178 Resp: 233416

Ion Ratio Lower Upper

178 100

179 18.7 12.8 19.2

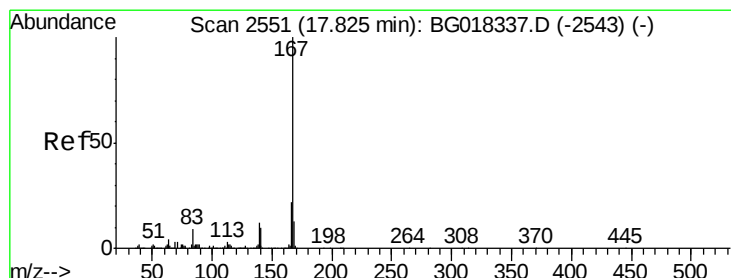
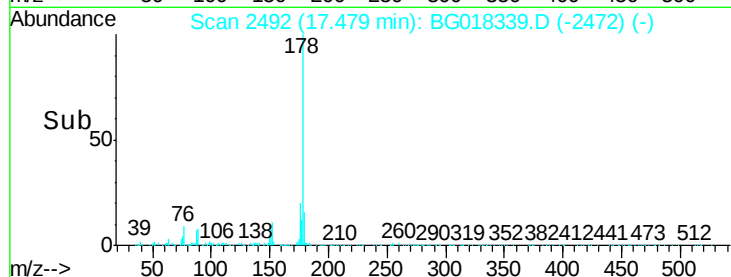
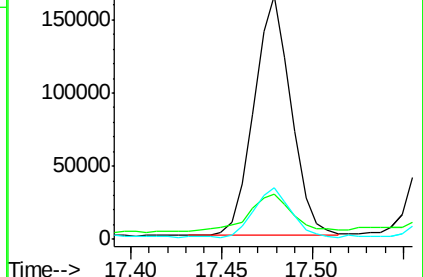
176 21.1 15.9 23.9



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: 1.91 ng/ul

RT: 17.83 min Scan# 2552

Delta R.T. 0.01 min

Lab File: BG018339.D

Acq: 9 Aug 2015 21:40

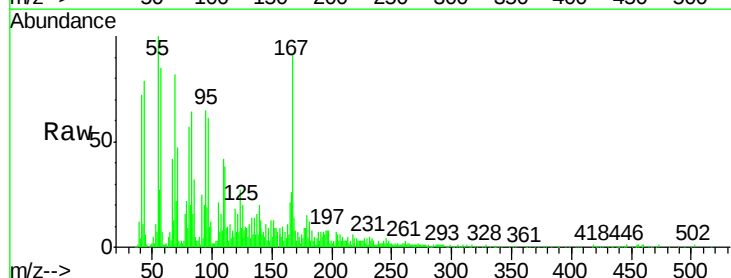
Tgt Ion:167 Resp: 75024

Ion Ratio Lower Upper

167 100

166 28.4 19.3 28.9

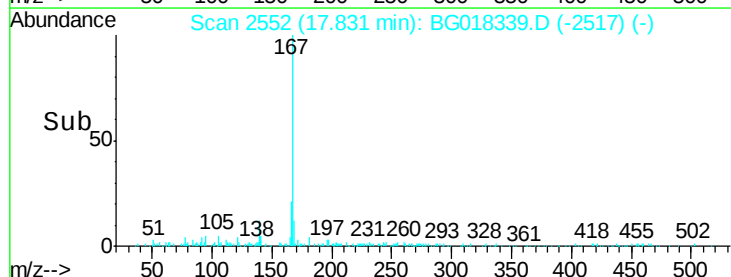
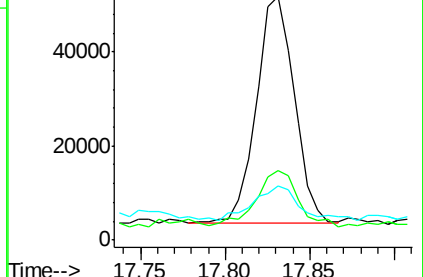
139 22.1 10.7 16.1#

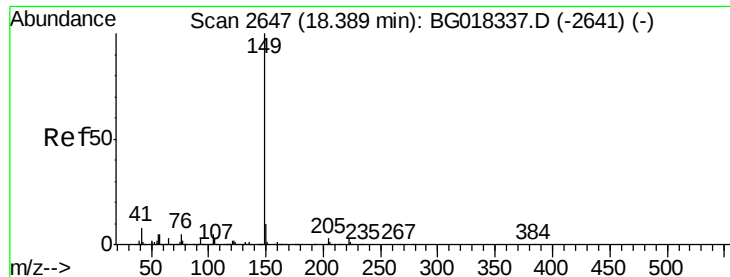


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

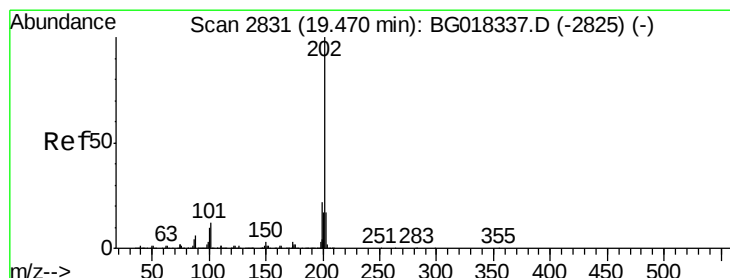
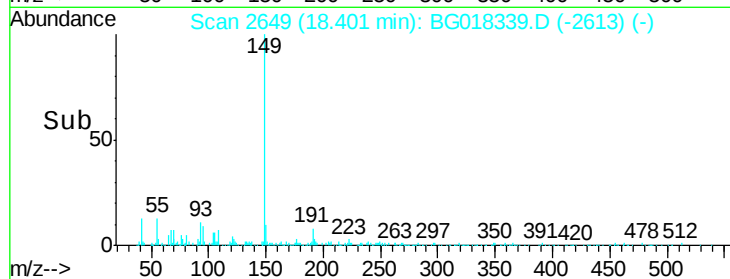
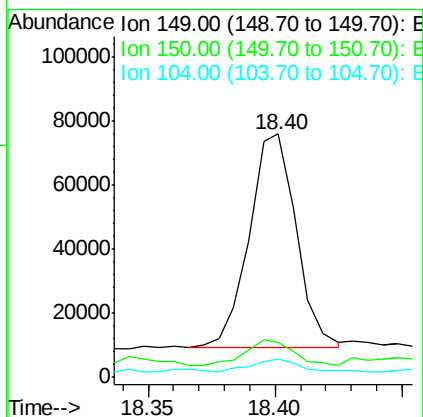
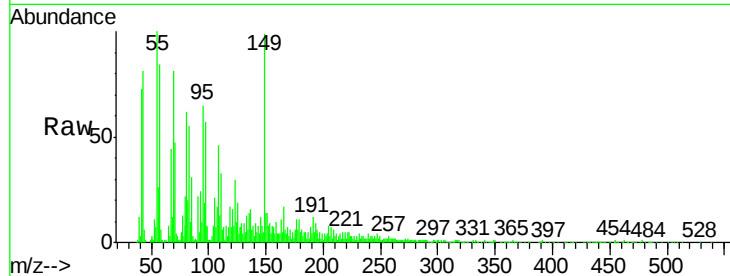




#76
Di-n-butylphthalate
Concen: 1.68 ng/ul
RT: 18.40 min Scan# 2649
Delta R.T. 0.01 min
Lab File: BG018339.D
Acq: 9 Aug 2015 21:40

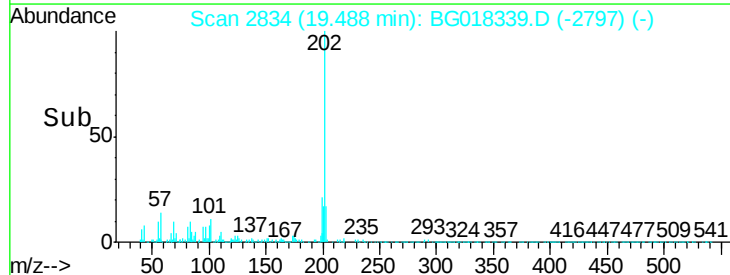
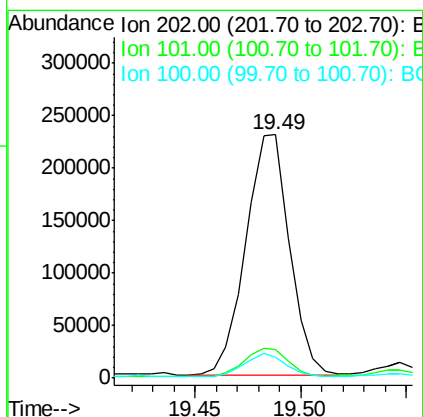
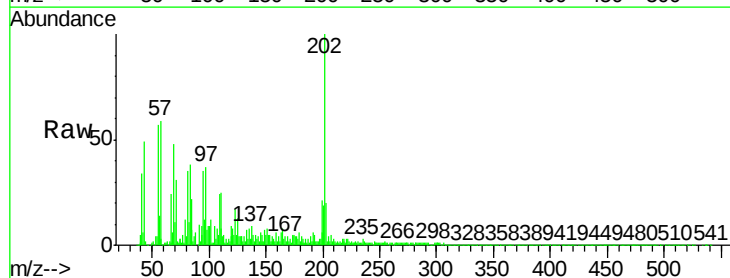
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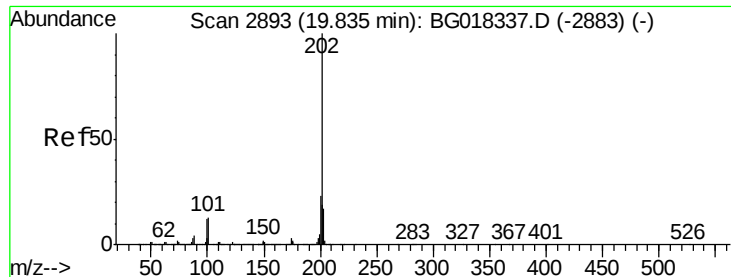
Tgt Ion:149 Resp: 86424
Ion Ratio Lower Upper
149 100
150 14.4 7.4 11.2#
104 7.7 4.6 7.0#



#77
Fluoranthene
Concen: 7.04 ng/ul
RT: 19.49 min Scan# 2834
Delta R.T. 0.02 min
Lab File: BG018339.D
Acq: 9 Aug 2015 21:40

Tgt Ion:202 Resp: 329833
Ion Ratio Lower Upper
202 100
101 11.9 8.9 13.3
100 8.7 8.5 12.7

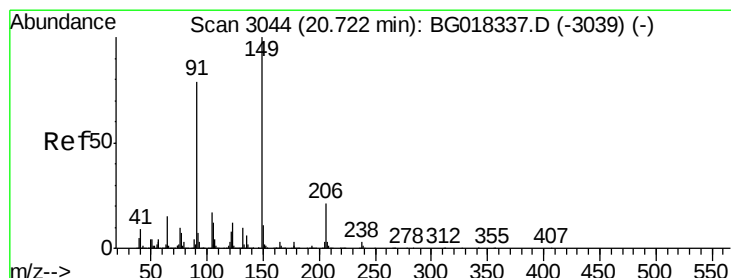
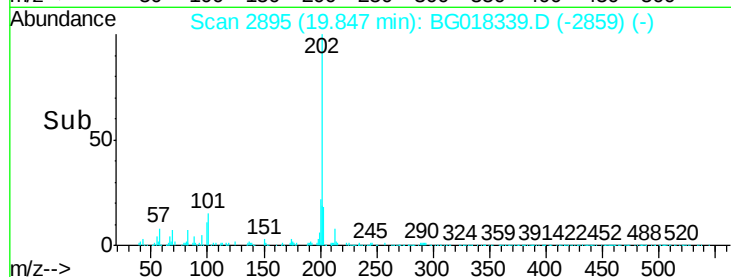
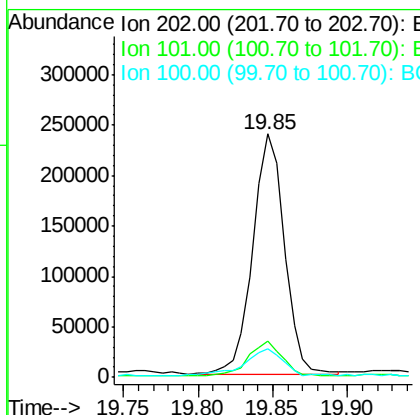
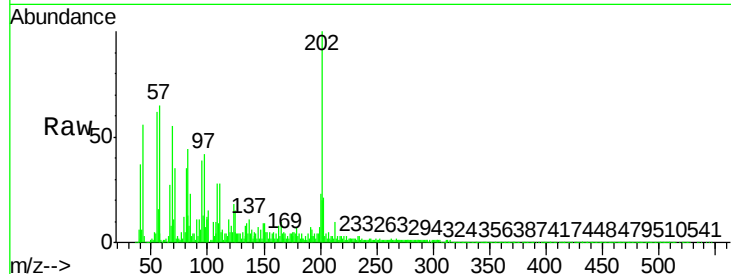




#80
 Pyrene
 Concen: 7.54 ng/ul
 RT: 19.85 min Scan# 2895
 Delta R.T. 0.01 min
 Lab File: BG018339.D
 Acq: 9 Aug 2015 21:40

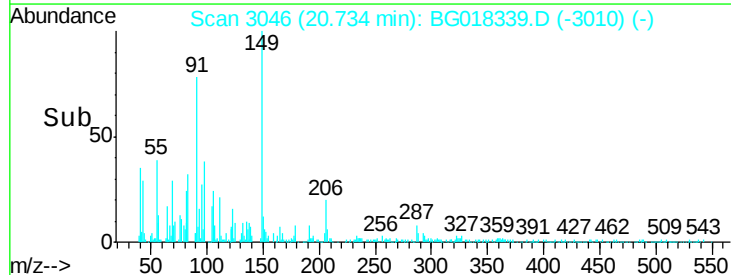
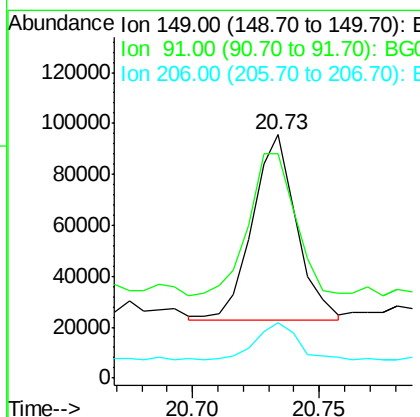
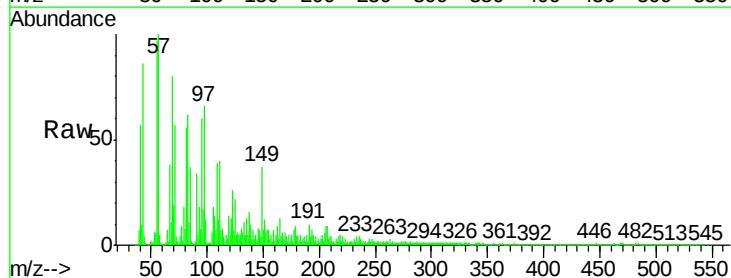
Instrument :
 BNA_G
 ClientSampleId :
 C01T4

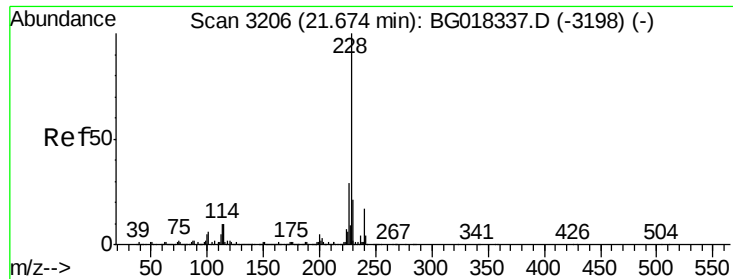
Tgt Ion	Ratio	Lower	Upper
202	100		
101	15.0	11.3	16.9
100	11.8	9.6	14.4



#81
 Butylbenzylphthalate
 Concen: 4.51 ng/ul
 RT: 20.73 min Scan# 3046
 Delta R.T. 0.01 min
 Lab File: BG018339.D
 Acq: 9 Aug 2015 21:40

Tgt Ion	Ratio	Lower	Upper
149	100		
91	92.4	63.4	95.2
206	22.9	17.8	26.6





#83

Benzo(a)anthracene

Concen: 3.39 ng/ul

RT: 21.69 min Scan# 3209

Delta R.T. 0.02 min

Lab File: BG018339.D

Acq: 9 Aug 2015 21:40

Instrument :

BNA_G

ClientSampleId :

C01T4

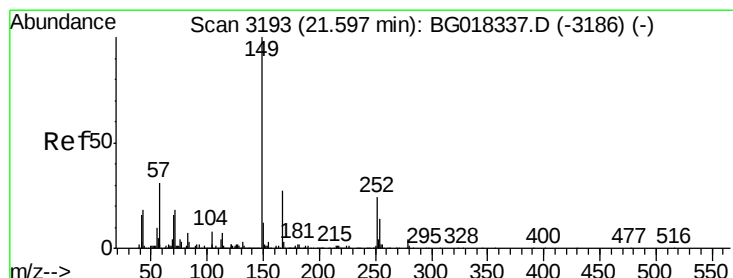
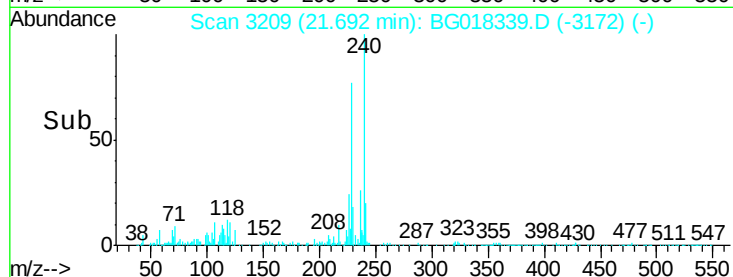
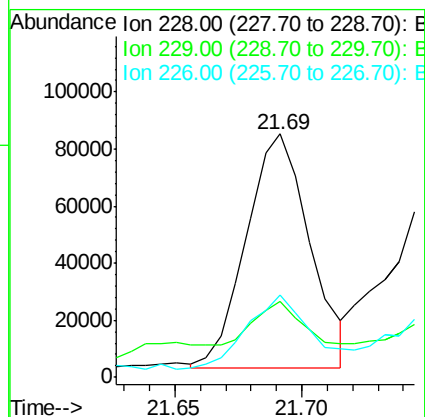
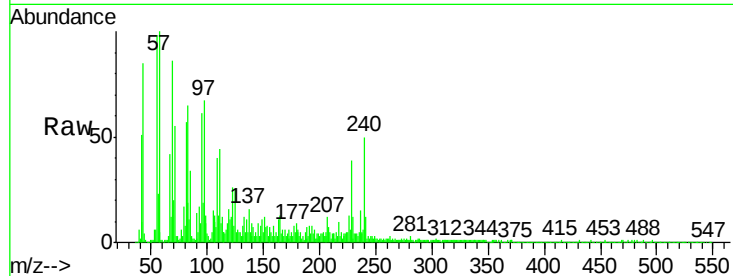
Tgt Ion:228 Resp: 143576

Ion Ratio Lower Upper

228 100

229 31.2 15.4 23.2#

226 33.7 22.3 33.5#



#84

Bis(2-ethylhexyl)phthalate

Concen: 25.36 ng/ul

RT: 21.61 min Scan# 3195

Delta R.T. 0.01 min

Lab File: BG018339.D

Acq: 9 Aug 2015 21:40

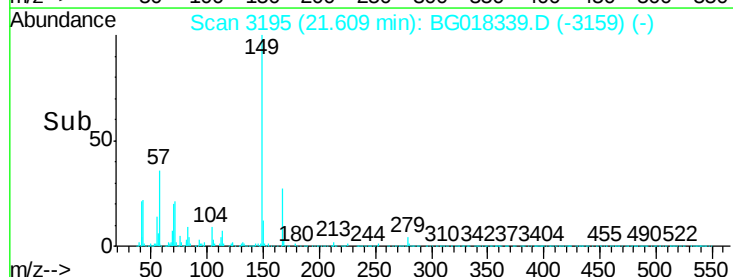
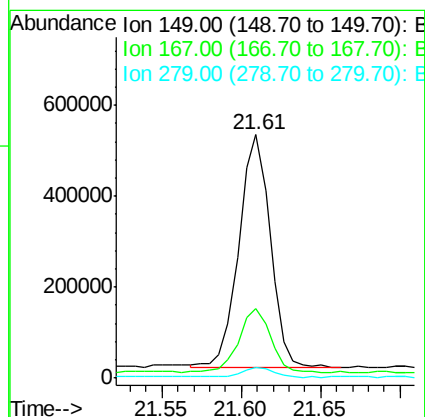
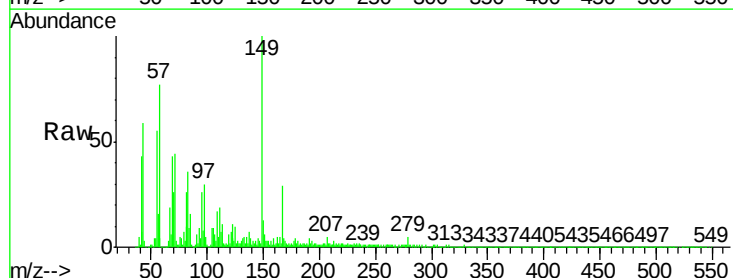
Tgt Ion:149 Resp: 702623

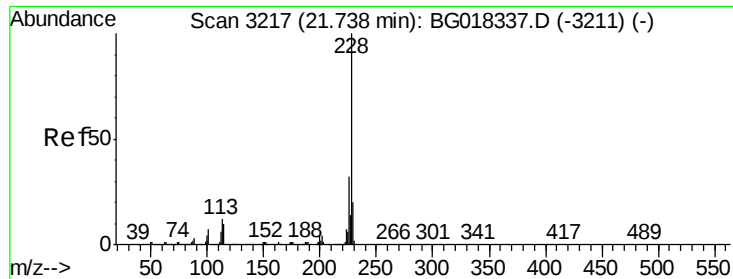
Ion Ratio Lower Upper

149 100

167 28.8 21.8 32.6

279 4.6 2.8 4.2#





#85

Chrysene

Concen: 4.23 ng/ul

RT: 21.76 min Scan# 3220

Delta R.T. 0.02 min

Lab File: BG018339.D

Acq: 9 Aug 2015 21:40

Instrument :

BNA_G

ClientSampled :

C01T4

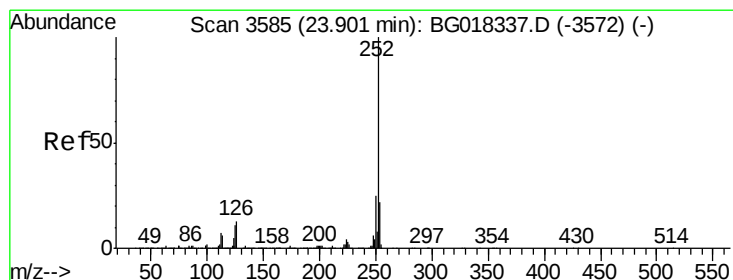
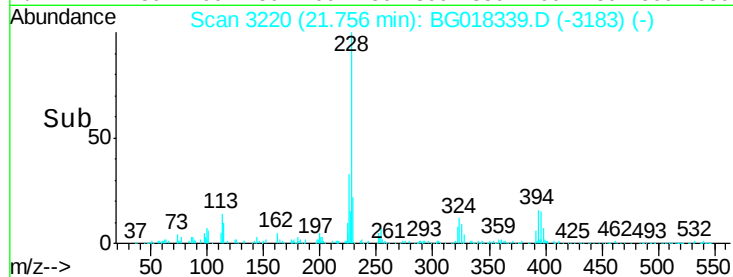
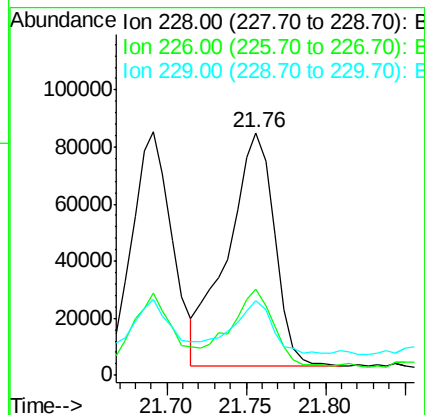
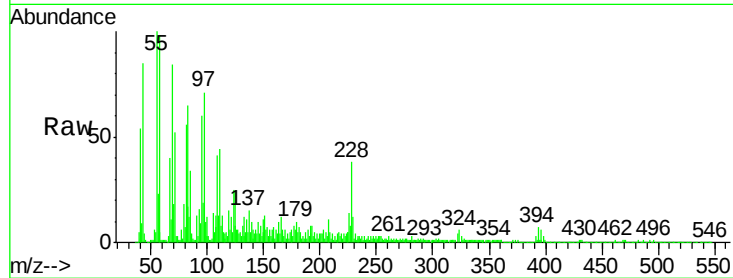
Tgt Ion:228 Resp: 167589

Ion Ratio Lower Upper

228 100

226 35.3 24.6 37.0

229 30.9 16.0 24.0#



#88

Benzo(b)fluoranthene

Concen: 5.91 ng/ul

RT: 23.93 min Scan# 3590

Delta R.T. 0.03 min

Lab File: BG018339.D

Acq: 9 Aug 2015 21:40

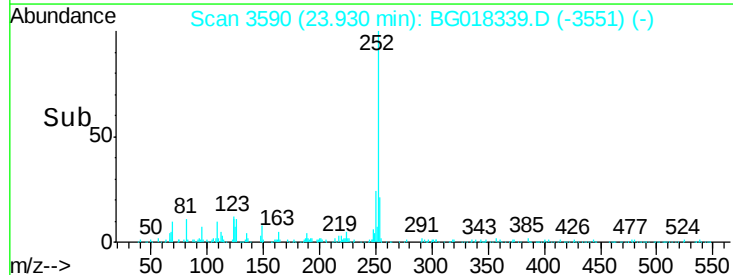
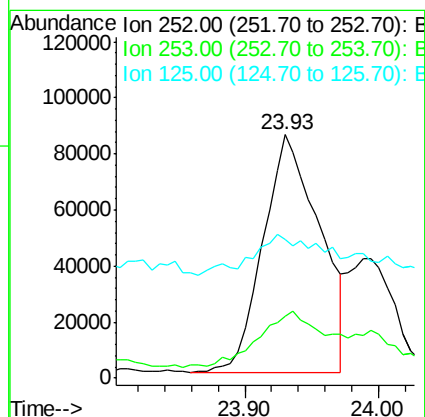
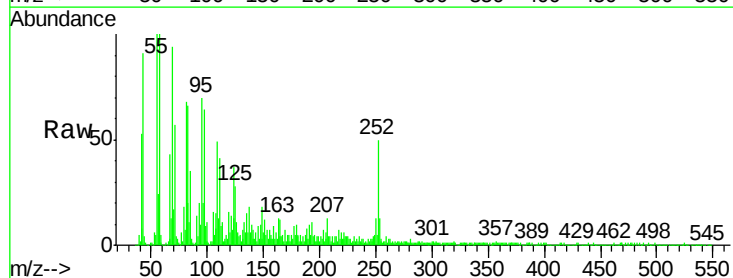
Tgt Ion:252 Resp: 250228

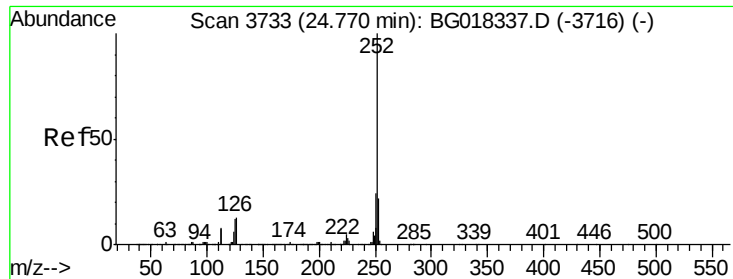
Ion Ratio Lower Upper

252 100

253 25.5 18.0 27.0

125 57.1 8.6 12.8#





#91

Benzo(a)pyrene

Concen: 4.00 ng/ul

RT: 24.81 min Scan# 3739

Delta R.T. 0.04 min

Lab File: BG018339.D

Acq: 9 Aug 2015 21:40

Instrument :

BNA_G

ClientSampleId :

C01T4

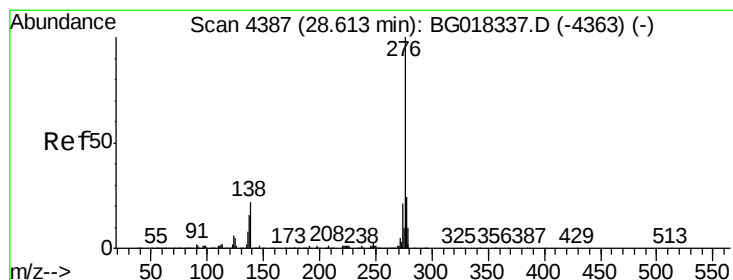
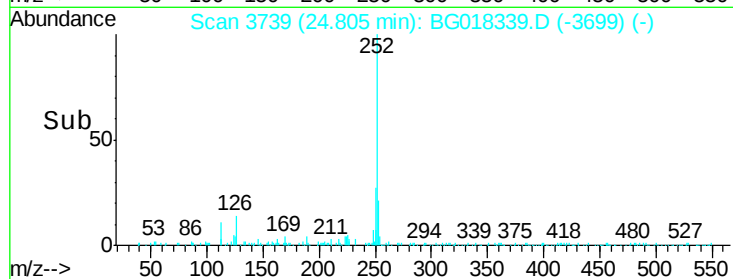
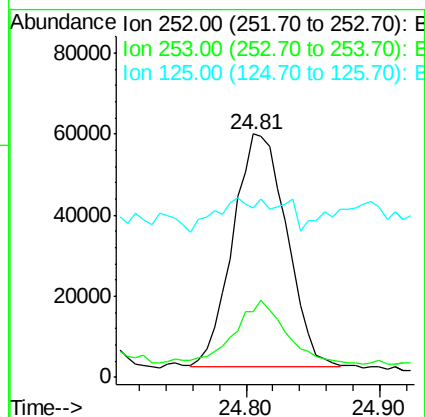
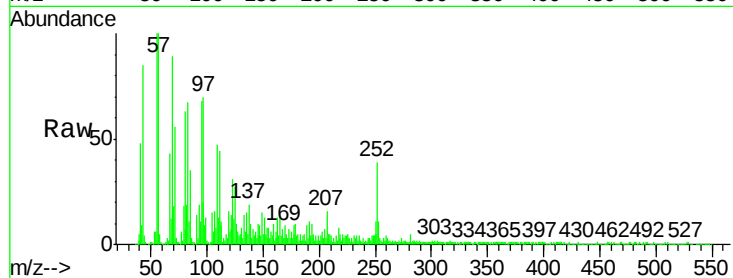
Tgt Ion:252 Resp: 161283

Ion Ratio Lower Upper

252 100

253 27.2 18.6 27.8

125 69.5 9.8 14.6#



#92

Indeno(1,2,3-cd)pyrene

Concen: 2.89 ng/ul

RT: 28.68 min Scan# 4398

Delta R.T. 0.06 min

Lab File: BG018339.D

Acq: 9 Aug 2015 21:40

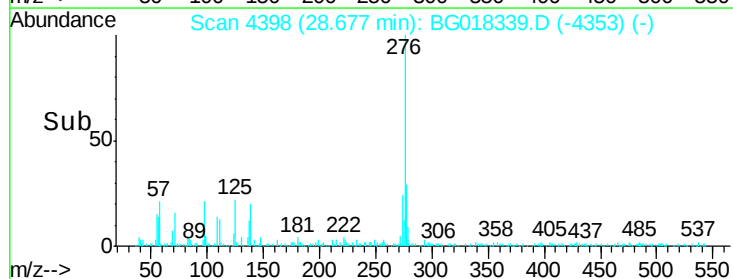
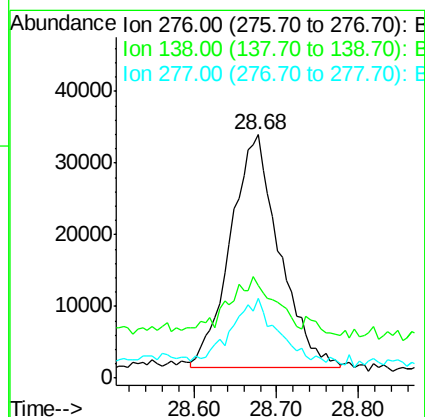
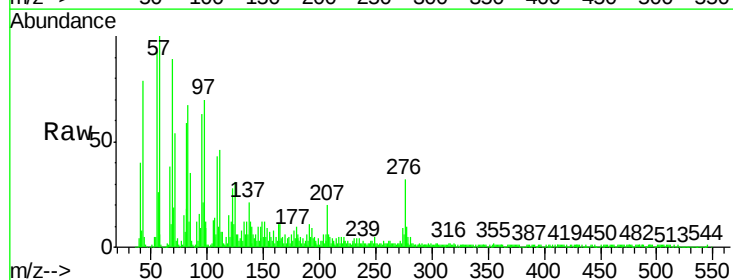
Tgt Ion:276 Resp: 134996

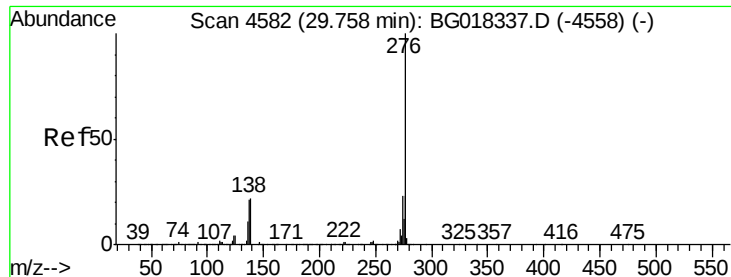
Ion Ratio Lower Upper

276 100

138 38.2 15.9 23.9#

277 32.6 19.0 28.6#





#94

Benzo(g,h,i)perylene

Concen: 3.42 ng/ul

RT: 29.84 min Scan# 4596

Delta R.T. 0.08 min

Lab File: BG018339.D

Acq: 9 Aug 2015 21:40

Instrument :

BNA_G

ClientSampleId :

C01T4

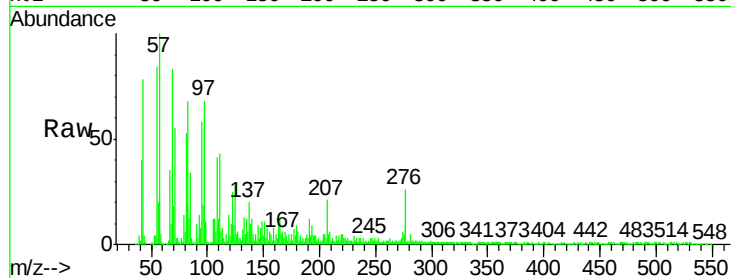
Tgt Ion: 276 Resp: 133729

Ion Ratio Lower Upper

276 100

138 39.9 17.4 26.0#

277 32.9 18.4 27.6#



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

