

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG072315\
 Data File : BG018082.D
 Acq On : 24 Jul 2015 1:33
 Operator : TP/UM
 Sample : G3035-16
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C01K4

Quant Time: Jul 24 02:45:46 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG072315.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jul 24 01:33:04 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.51	152	57773	20.00	ng/ul	0.00
18) Naphthalene-d8	10.30	136	283956	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.18	164	175446	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.93	188	357516	20.00	ng/ul	0.00
78) Chrysene-d12	21.14	240	379453	20.00	ng/ul	0.00
86) Perylene-d12	23.33	264	391693	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.02	96	2162	2.34	ng/uL	0.00
5) Phenol-d5	6.69	99	58599	13.15	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.86	67	31823	14.46	ng/ul	0.00
9) 2-Chlorophenol-d4	7.05	132	57990	14.67	ng/ul	0.00
13) 4-Methylphenol-d8	8.23	113	45941	11.62	ng/ul	0.00
19) Nitrobenzene-d5	8.66	128	30931	13.78	ng/ul	0.00
22) 2-Nitrophenol-d4	9.38	143	34059	14.37	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.92	165	57053	13.83	ng/ul	0.00
29) 4-Chloroaniline-d4	10.44	131	64526	13.45	ng/ul	0.00
44) Dimethylphthalate-d6	13.60	166	180079	14.62	ng/ul	0.00
47) Acenaphthylene-d8	13.87	160	222170	14.68	ng/ul	0.00
52) 4-Nitrophenol-d4	14.40	143	28048	10.82	ng/ul	0.00
58) Fluorene-d10	15.18	176	157066	13.80	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.31	200	12845	5.62	ng/ul	0.00
71) Anthracene-d10	17.03	188	211130	13.63	ng/ul	0.00
79) Pyrene-d10	19.34	212	210997	12.14	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.19	264	180444	9.65	ng/ul	0.00

Target Compounds

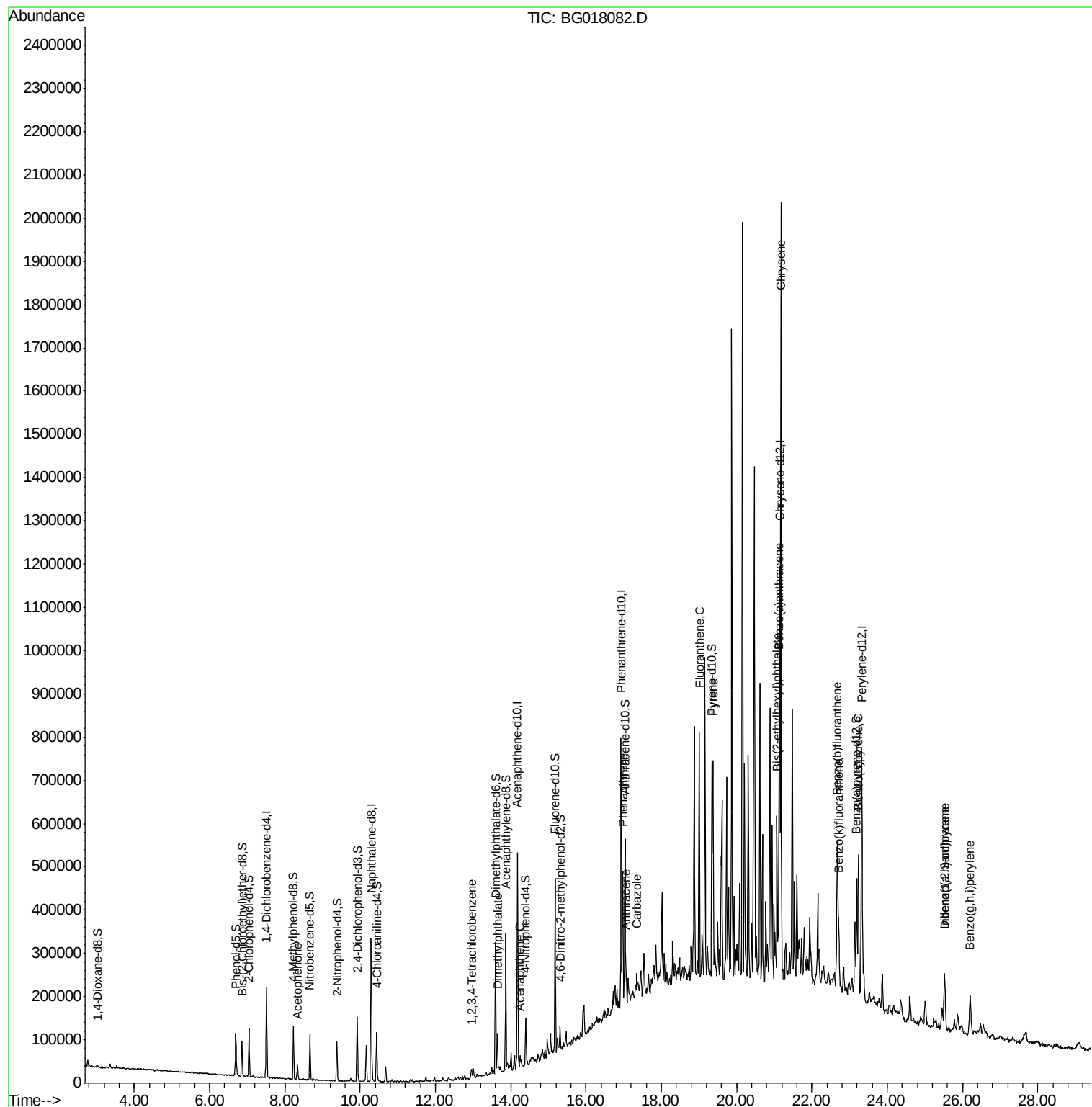
						Qvalue
14) Acetophenone	8.33	105	19225	3.45	ng/ul	99
45) Dimethylphthalate	13.64	163	61165	4.93	ng/ul	97
50) Acenaphthene	14.24	153	11423	1.10	ng/ul	94
70) Phenanthrene	16.98	178	174350	9.71	ng/ul	99
72) Anthracene	17.06	178	43470	2.38	ng/ul	99
73) 1,2,3,4-Tetrachlorobenzene	12.96	216	4109	1.02	ng/uL	93
75) Carbazole	17.35	167	23080	1.46	ng/ul#	90
77) Fluoranthene	19.01	202	330029	17.25	ng/ul	98
80) Pyrene	19.37	202	306127	14.09	ng/ul	98
83) Benzo(a)anthracene	21.12	228	186605	9.30	ng/ul	99
84) Bis(2-ethylhexyl)phthalate	21.07	149	134905	10.59	ng/ul	99
85) Chrysene	21.18	228	184504	9.76	ng/ul	96
88) Benzo(b)fluoranthene	22.67	252	235770	10.99	ng/ul	100
89) Benzo(k)fluoranthene	22.71	252	84893	4.09	ng/ul	95
91) Benzo(a)pyrene	23.23	252	170297	8.19	ng/ul	99
92) Indeno(1,2,3-cd)pyrene	25.53	276	115182	4.80	ng/ul#	93
93) Dibenzo(a,h)anthracene	25.53	278	31176	1.52	ng/ul	97
94) Benzo(g,h,i)perylene	26.20	276	105345	5.32	ng/ul	99

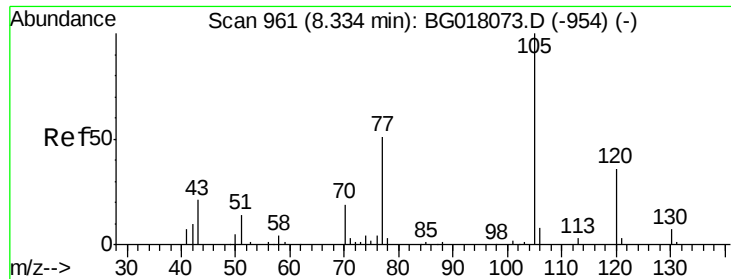
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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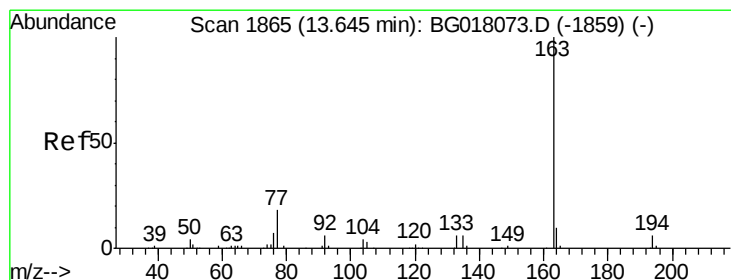
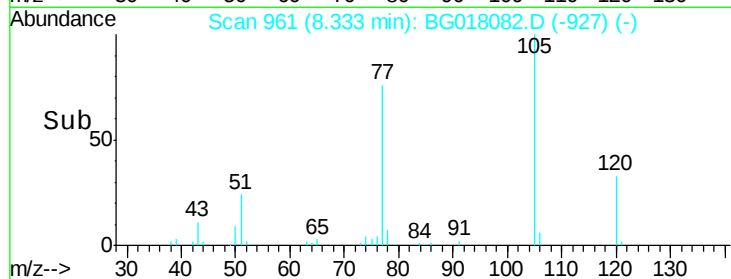
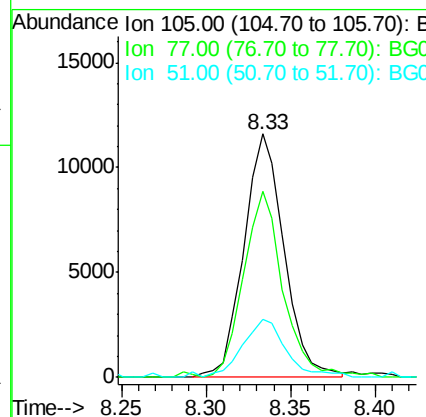
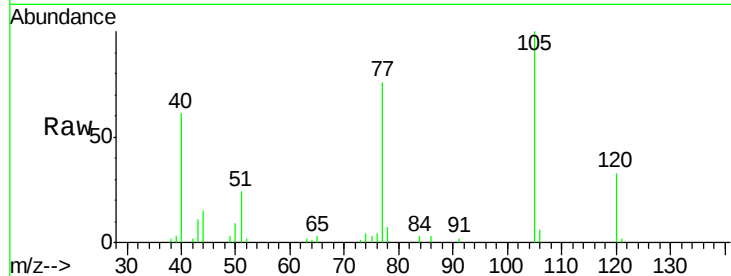




#14
 Acetophenone
 Concen: 3.45 ng/ul
 RT: 8.33 min Scan# 961
 Delta R.T. -0.00 min
 Lab File: BG018082.D
 Acq: 24 Jul 2015 1:33

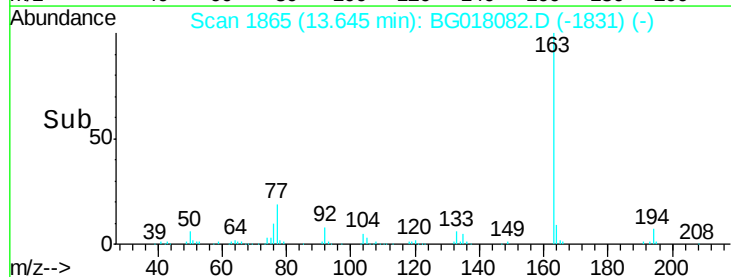
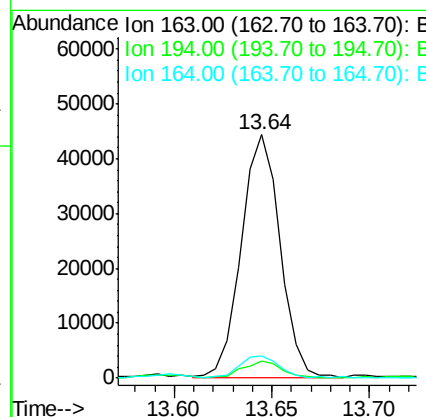
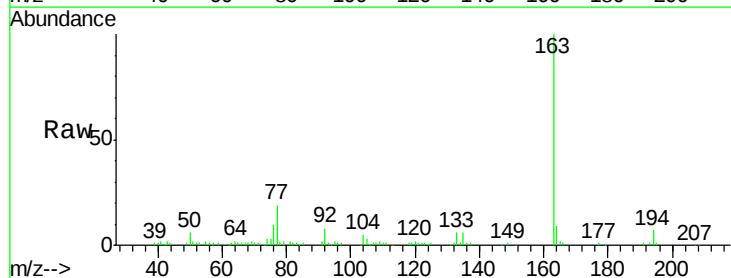
Instrument :
 BNA_G
 ClientSampleId :
 C01K4

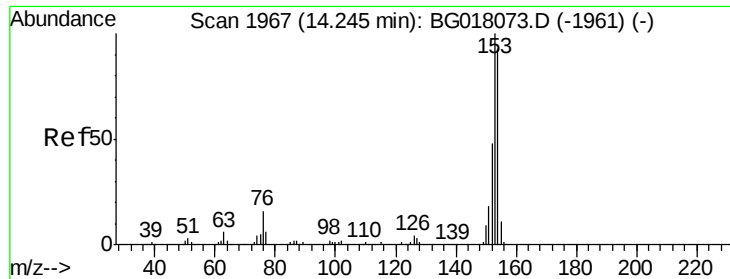
Tgt Ion	Ratio	Lower	Upper
105	100		
77	76.3	61.7	92.5
51	24.1	18.1	27.1



#45
 Dimethylphthalate
 Concen: 4.93 ng/ul
 RT: 13.64 min Scan# 1865
 Delta R.T. -0.00 min
 Lab File: BG018082.D
 Acq: 24 Jul 2015 1:33

Tgt Ion	Ratio	Lower	Upper
163	100		
194	7.1	5.4	8.2
164	9.3	8.7	13.1





#50

Acenaphthene

Concen: 1.10 ng/ul

RT: 14.24 min Scan# 1967

Delta R.T. -0.00 min

Lab File: BG018082.D

Acq: 24 Jul 2015 1:33

Instrument :

BNA_G

ClientSampleId :

C01K4

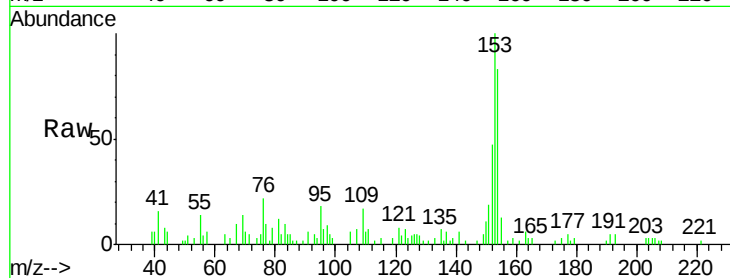
Tgt Ion:153 Resp: 11423

Ion Ratio Lower Upper

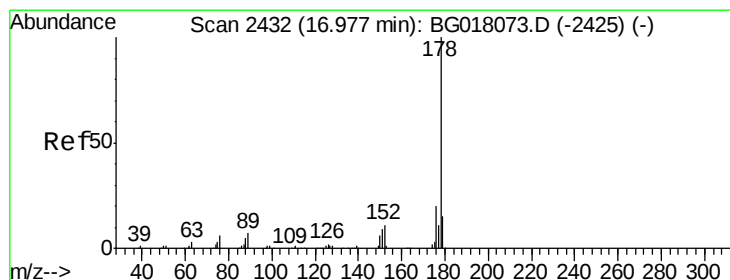
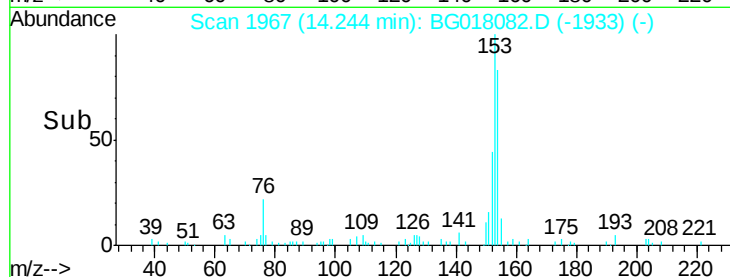
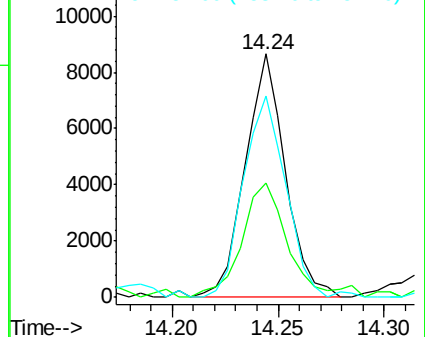
153 100

152 47.2 38.9 58.3

154 82.6 72.6 108.8



Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E



#70

Phenanthrene

Concen: 9.71 ng/ul

RT: 16.98 min Scan# 2432

Delta R.T. -0.00 min

Lab File: BG018082.D

Acq: 24 Jul 2015 1:33

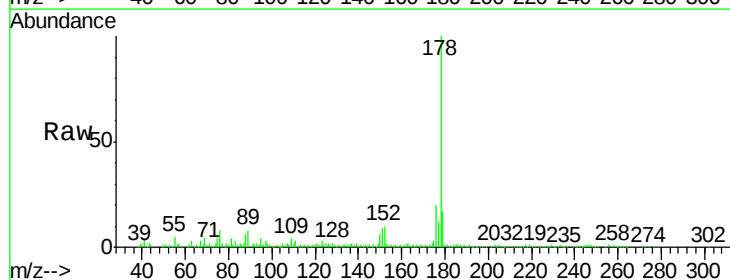
Tgt Ion:178 Resp: 174350

Ion Ratio Lower Upper

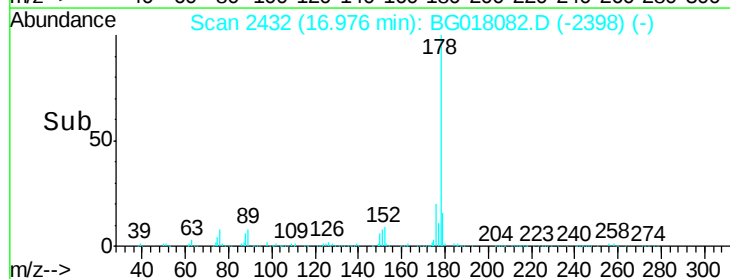
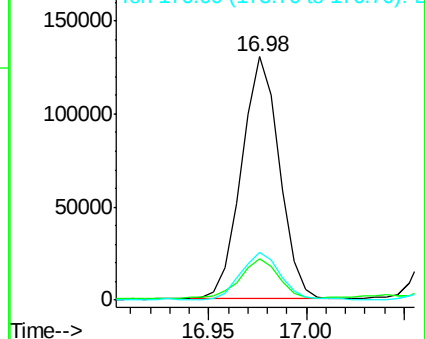
178 100

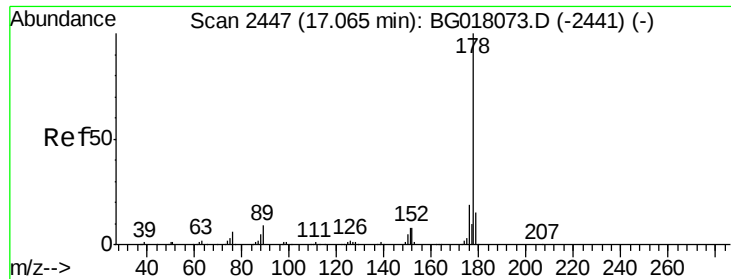
179 16.8 13.0 19.6

176 19.8 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





#72

Anthracene

Concen: 2.38 ng/uL

RT: 17.06 min Scan# 2447

Delta R.T. -0.00 min

Lab File: BG018082.D

Acq: 24 Jul 2015 1:33

Instrument :

BNA_G

ClientSampleId :

C01K4

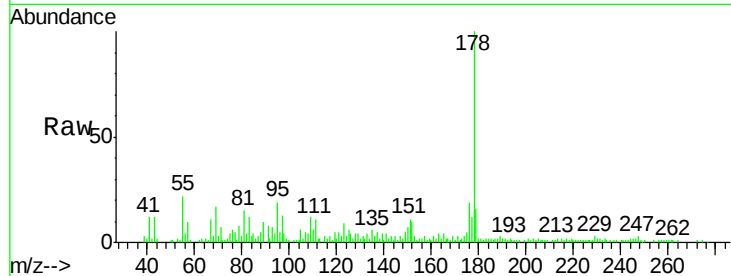
Tgt Ion:178 Resp: 43470

Ion Ratio Lower Upper

178 100

179 15.9 12.4 18.6

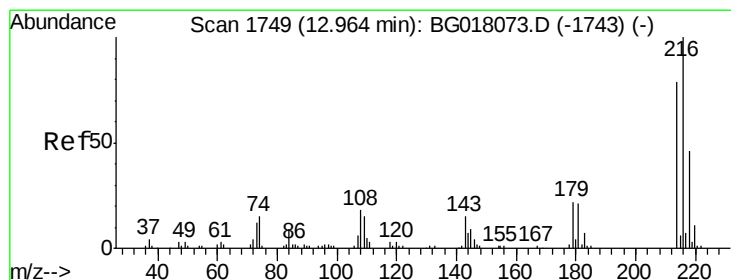
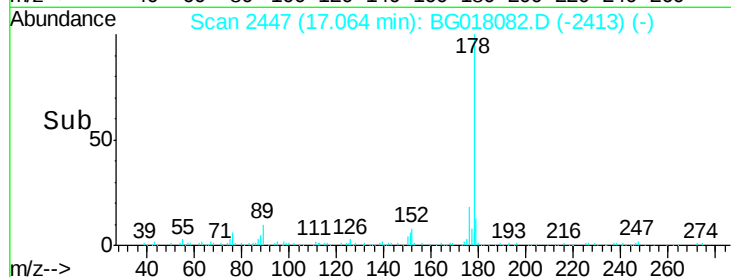
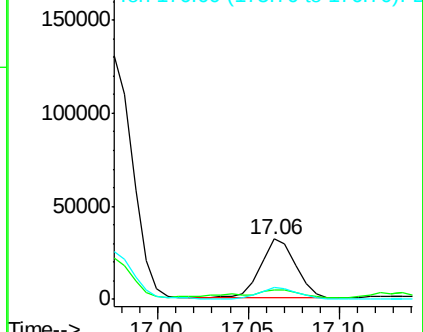
176 19.0 15.8 23.8



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



#73

1,2,3,4-Tetrachlorobenzene

Concen: 1.02 ng/uL

RT: 12.96 min Scan# 1749

Delta R.T. -0.00 min

Lab File: BG018082.D

Acq: 24 Jul 2015 1:33

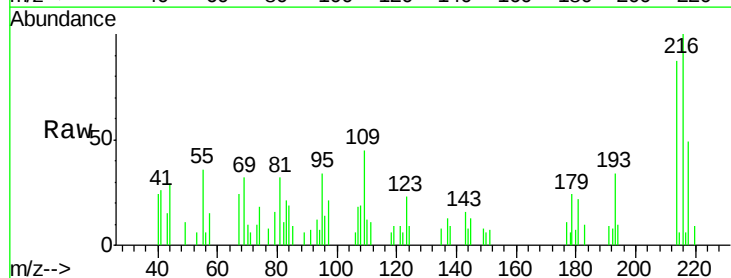
Tgt Ion:216 Resp: 4109

Ion Ratio Lower Upper

216 100

214 87.1 63.9 95.9

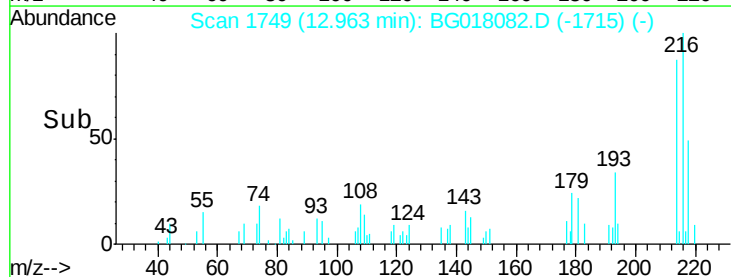
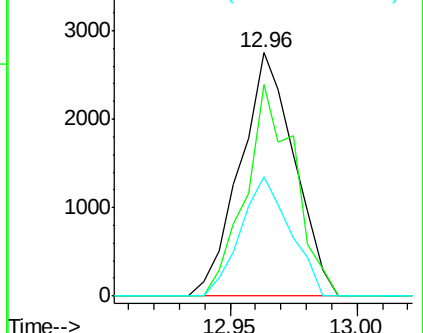
218 49.1 37.3 55.9

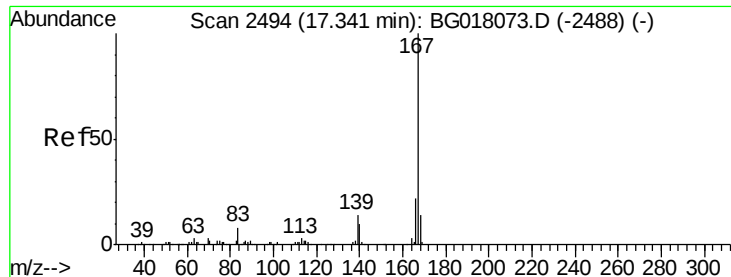


Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 218.00 (217.70 to 218.70): E





#75

Carbazole

Concen: 1.46 ng/ul

RT: 17.35 min Scan# 2495

Delta R.T. 0.01 min

Lab File: BG018082.D

Acq: 24 Jul 2015 1:33

Instrument :

BNA_G

ClientSampleId :

C01K4

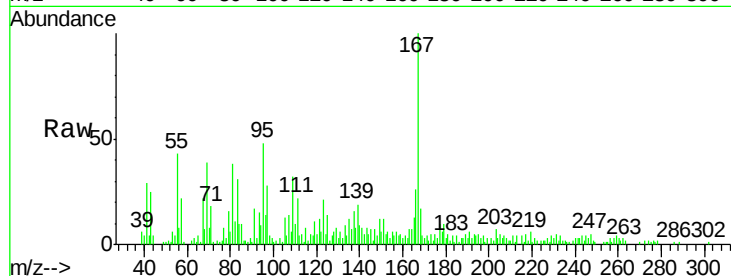
Tgt Ion:167 Resp: 23080

Ion Ratio Lower Upper

167 100

166 25.8 17.4 26.2

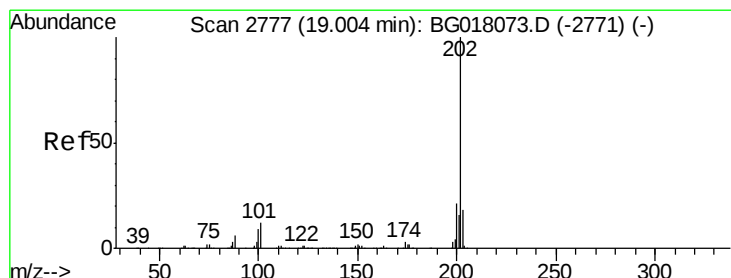
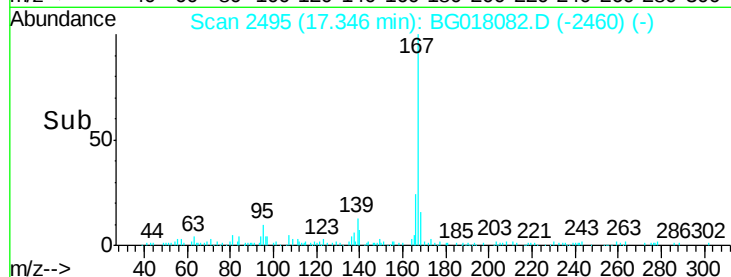
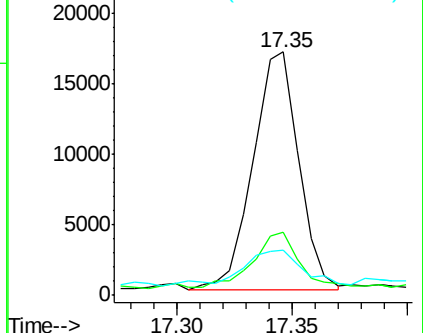
139 18.8 10.6 15.8#



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: 17.25 ng/ul

RT: 19.01 min Scan# 2778

Delta R.T. 0.01 min

Lab File: BG018082.D

Acq: 24 Jul 2015 1:33

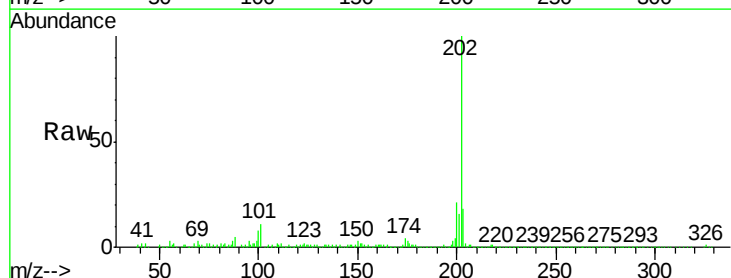
Tgt Ion:202 Resp: 330029

Ion Ratio Lower Upper

202 100

101 10.9 9.1 13.7

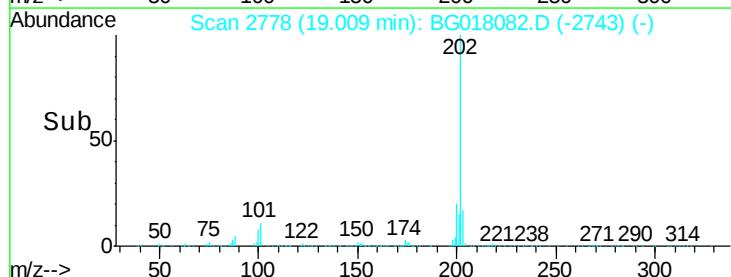
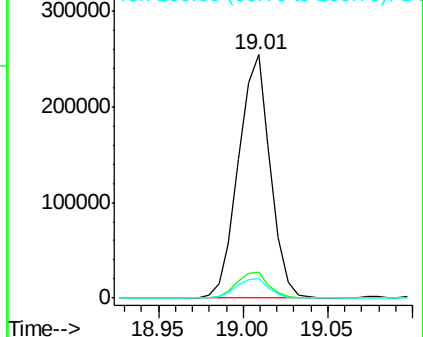
100 8.1 7.5 11.3

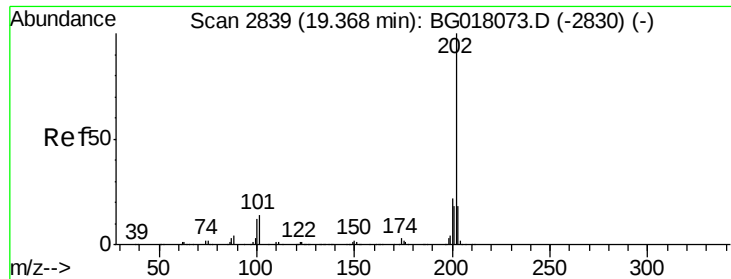


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

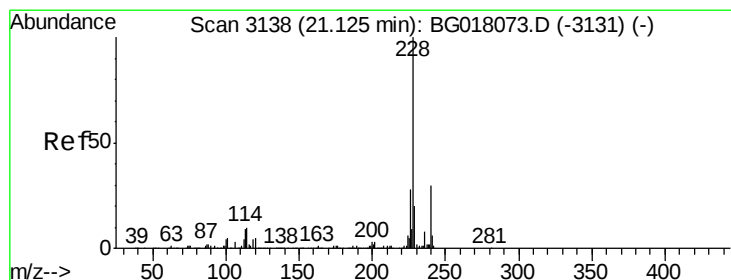
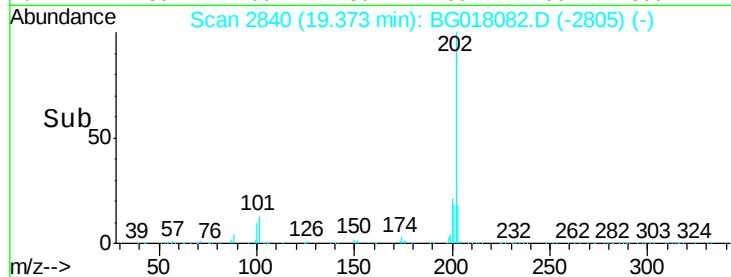
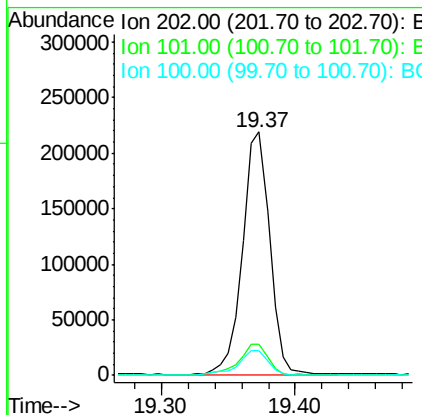
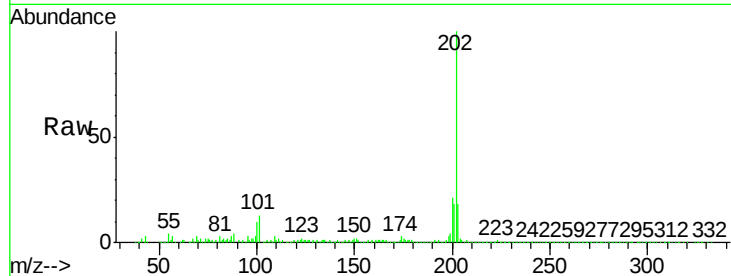




#80
 Pyrene
 Concen: 14.09 ng/ul
 RT: 19.37 min Scan# 2840
 Delta R.T. 0.01 min
 Lab File: BG018082.D
 Acq: 24 Jul 2015 1:33

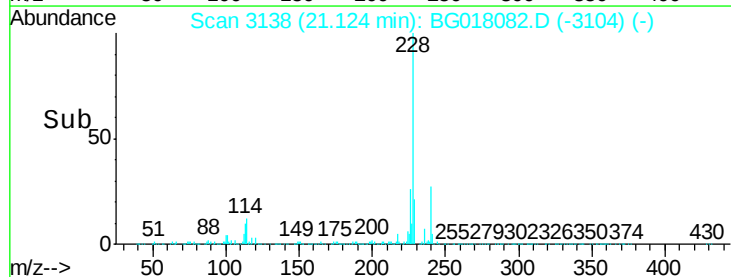
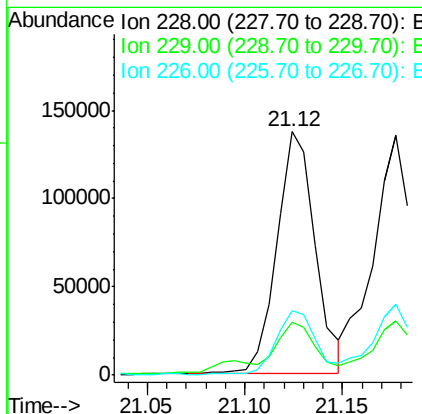
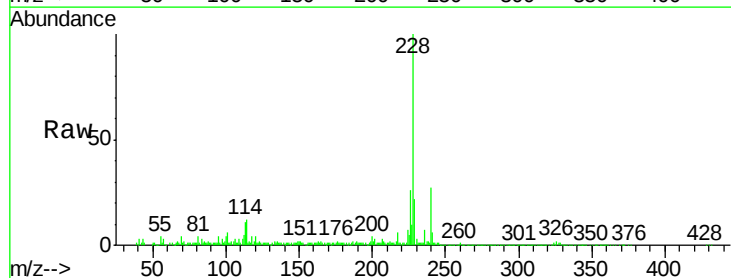
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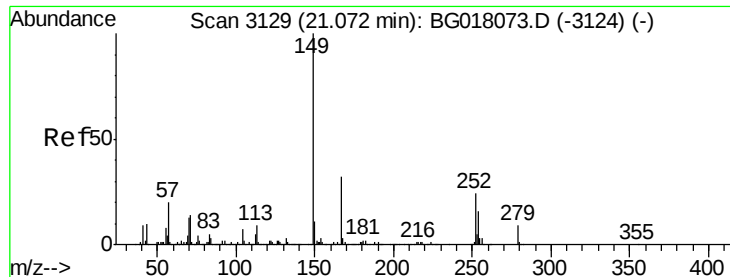
Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.9	10.9	16.3
100	10.2	8.5	12.7



#83
 Benzo(a)anthracene
 Concen: 9.30 ng/ul
 RT: 21.12 min Scan# 3138
 Delta R.T. -0.00 min
 Lab File: BG018082.D
 Acq: 24 Jul 2015 1:33

Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.9	16.6	24.8
226	26.2	21.1	31.7





#84

Bis(2-ethylhexyl)phthalate

Concen: 10.59 ng/ul

RT: 21.07 min Scan# 3129

Delta R.T. -0.00 min

Lab File: BG018082.D

Acq: 24 Jul 2015 1:33

Instrument :

BNA_G

ClientSampleId :

C01K4

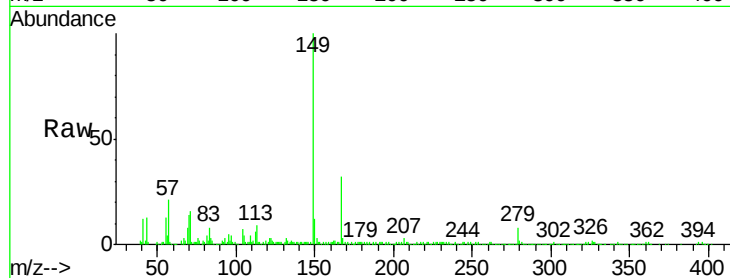
Tgt Ion:149 Resp: 134905

Ion Ratio Lower Upper

149 100

167 32.4 26.2 39.4

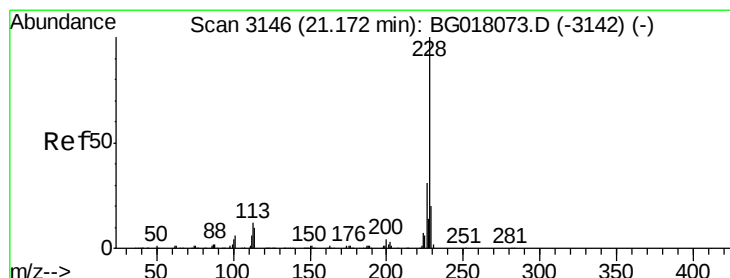
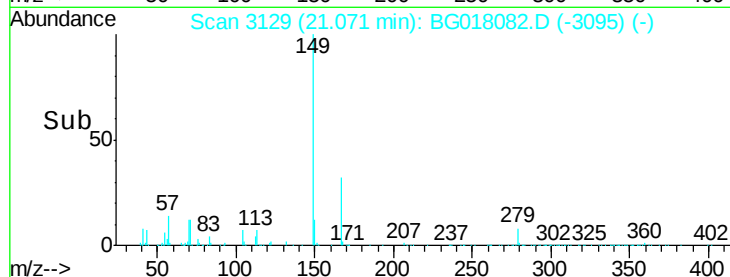
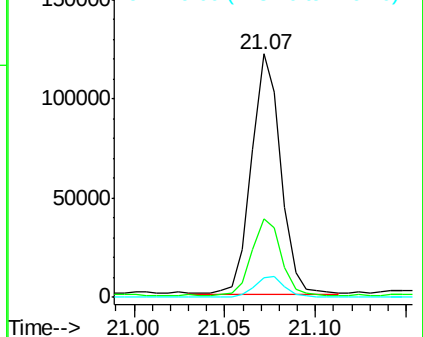
279 8.1 7.2 10.8



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: 9.76 ng/ul

RT: 21.18 min Scan# 3147

Delta R.T. 0.01 min

Lab File: BG018082.D

Acq: 24 Jul 2015 1:33

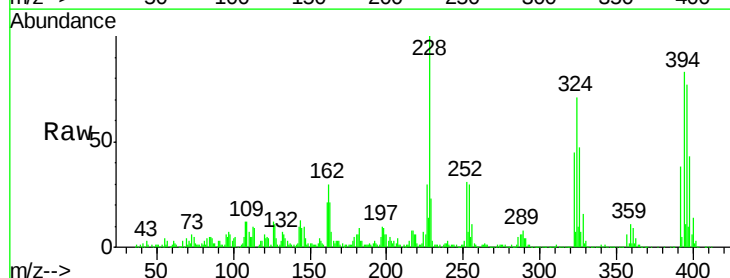
Tgt Ion:228 Resp: 184504

Ion Ratio Lower Upper

228 100

226 29.5 22.9 34.3

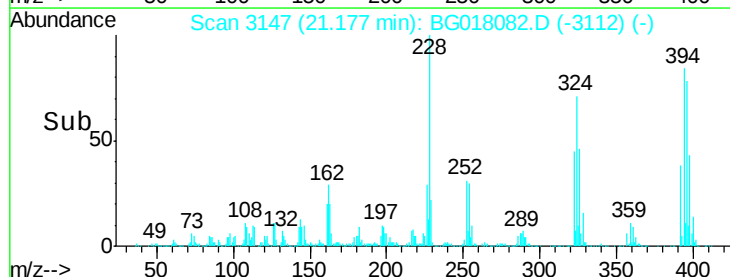
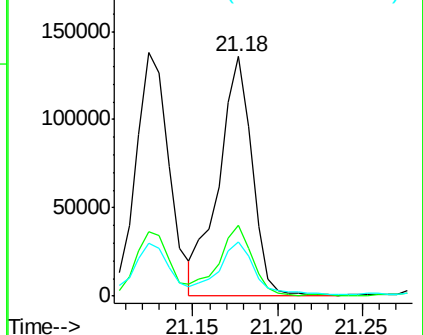
229 22.6 15.6 23.4

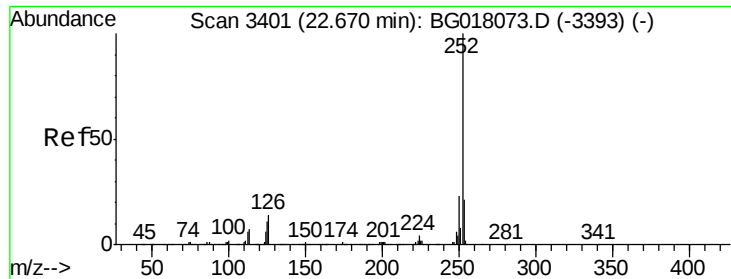


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#88

Benzo(b)fluoranthene

Concen: 10.99 ng/ul

RT: 22.67 min Scan# 3401

Delta R.T. -0.00 min

Lab File: BG018082.D

Acq: 24 Jul 2015 1:33

Instrument :

BNA_G

ClientSampled :

C01K4

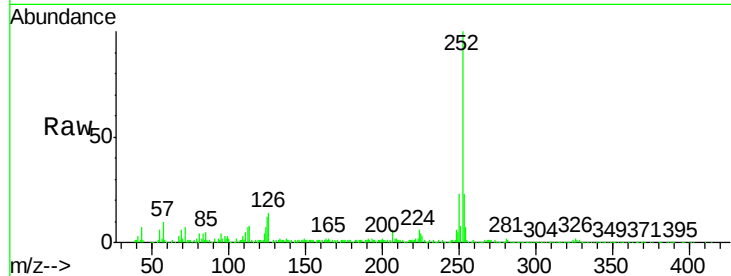
Tgt Ion:252 Resp: 235770

Ion Ratio Lower Upper

252 100

253 23.0 18.5 27.7

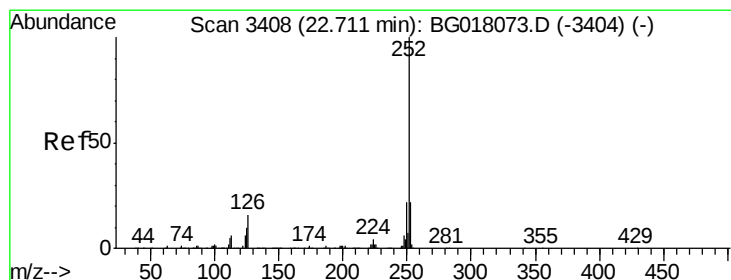
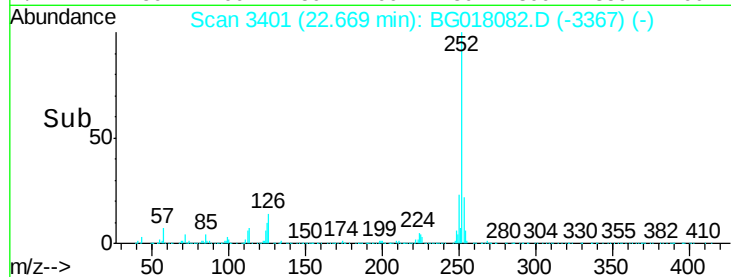
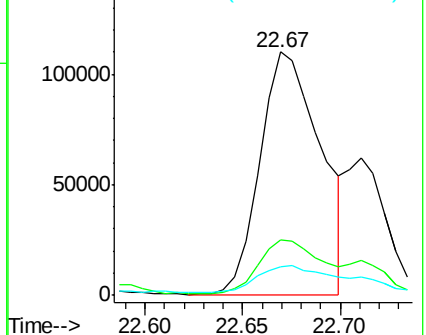
125 11.5 9.1 13.7



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: 4.09 ng/ul

RT: 22.71 min Scan# 3408

Delta R.T. -0.00 min

Lab File: BG018082.D

Acq: 24 Jul 2015 1:33

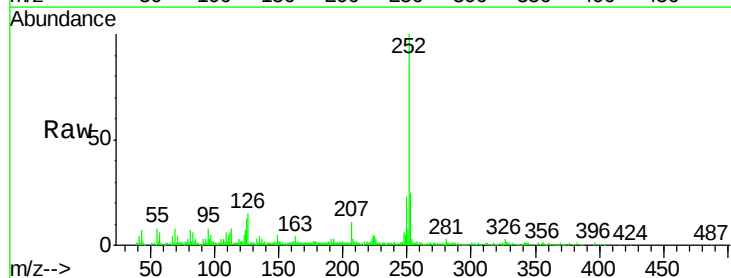
Tgt Ion:252 Resp: 84893

Ion Ratio Lower Upper

252 100

253 25.2 17.8 26.8

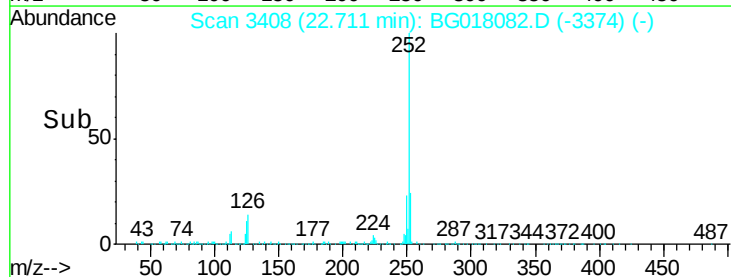
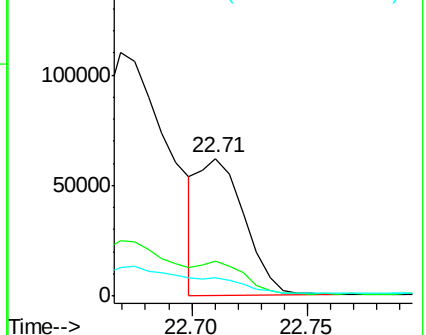
125 13.3 9.3 13.9

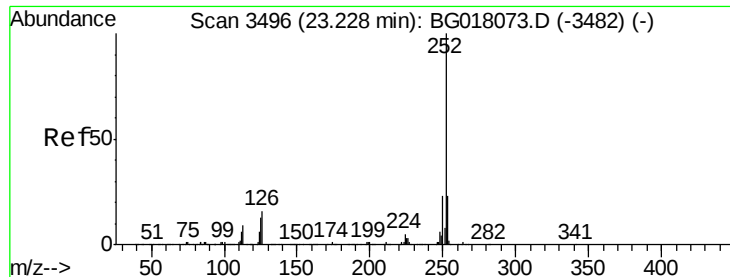


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a)pyrene

Concen: 8.19 ng/ul

RT: 23.23 min Scan# 3497

Delta R.T. 0.01 min

Lab File: BG018082.D

Acq: 24 Jul 2015 1:33

Instrument :

BNA_G

ClientSampleId :

C01K4

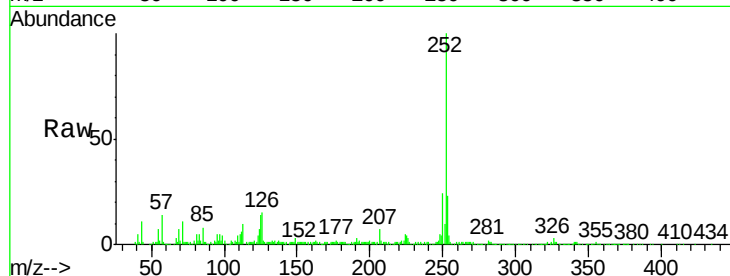
Tgt Ion:252 Resp: 170297

Ion Ratio Lower Upper

252 100

253 22.6 18.0 27.0

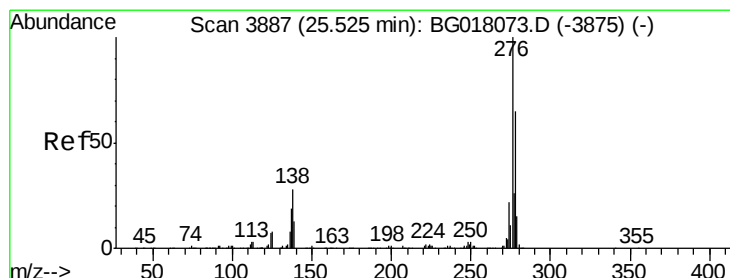
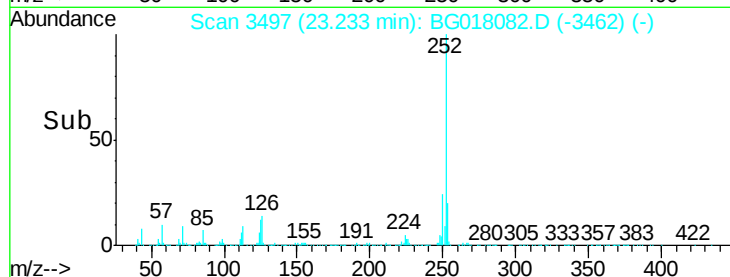
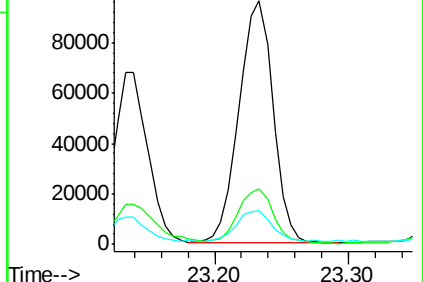
125 13.8 10.2 15.2



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



#92

Indeno(1,2,3-cd)pyrene

Concen: 4.80 ng/ul

RT: 25.53 min Scan# 3888

Delta R.T. 0.01 min

Lab File: BG018082.D

Acq: 24 Jul 2015 1:33

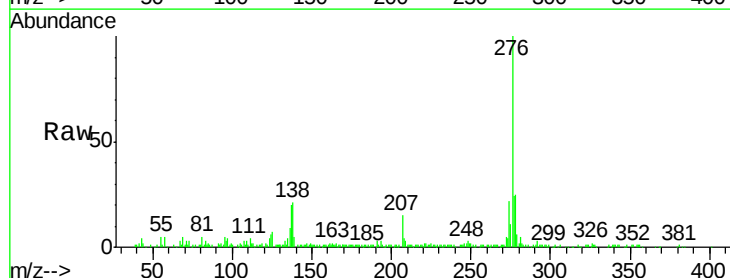
Tgt Ion:276 Resp: 115182

Ion Ratio Lower Upper

276 100

138 21.5 22.6 33.8#

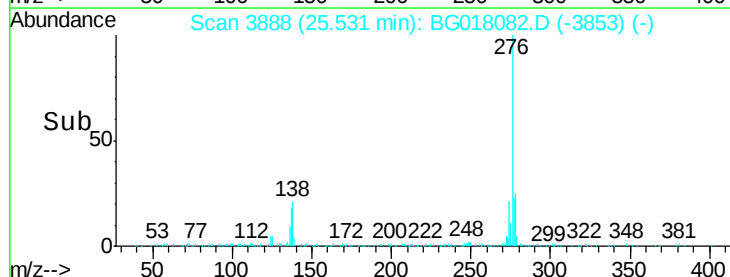
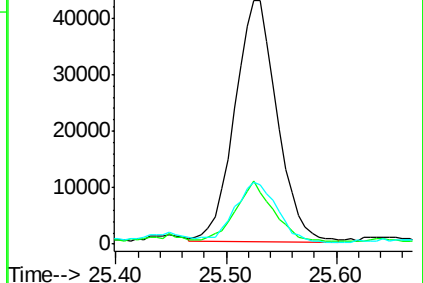
277 24.1 19.8 29.8

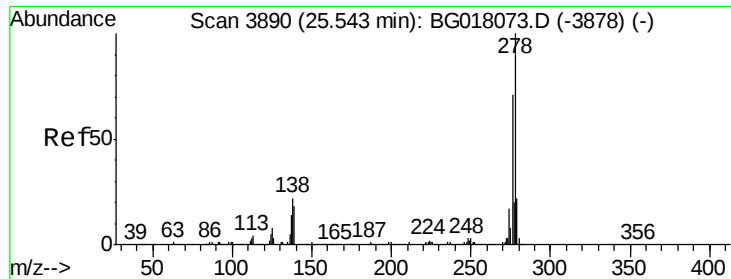


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#93

Dibenzo(a,h)anthracene

Concen: 1.52 ng/ul

RT: 25.53 min Scan# 3888

Delta R.T. -0.01 min

Lab File: BG018082.D

Acq: 24 Jul 2015 1:33

Instrument :

BNA_G

ClientSampled :

C01K4

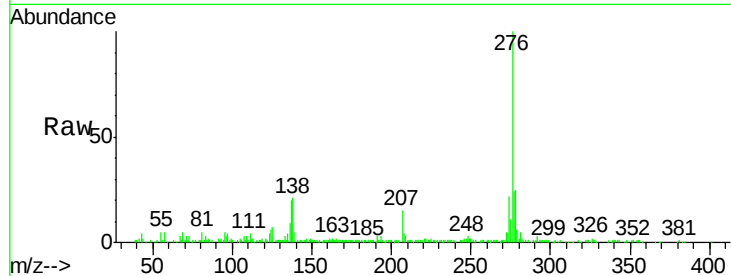
Tgt Ion:278 Resp: 31176

Ion Ratio Lower Upper

278 100

139 19.5 13.7 20.5

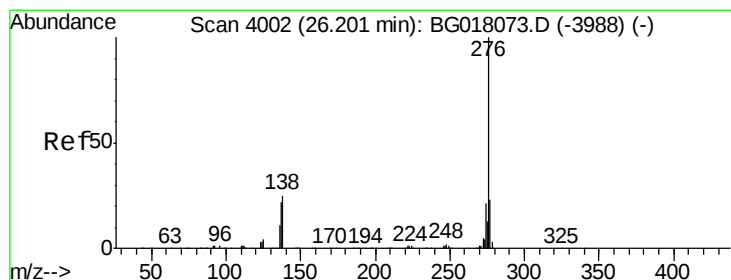
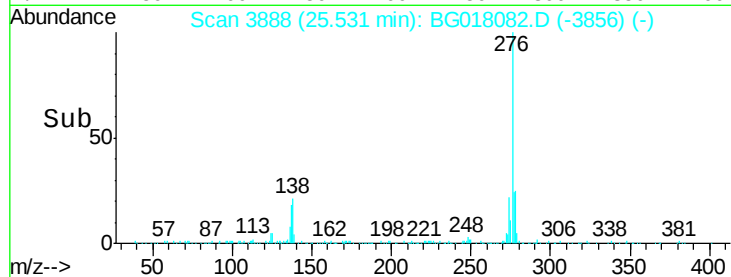
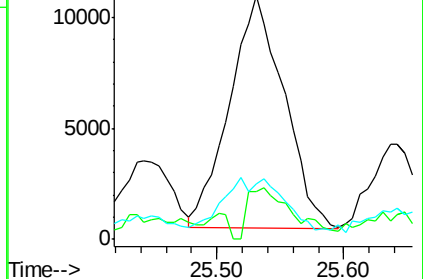
279 22.9 18.1 27.1



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#94

Benzo(g,h,i)perylene

Concen: 5.32 ng/ul

RT: 26.20 min Scan# 4002

Delta R.T. -0.00 min

Lab File: BG018082.D

Acq: 24 Jul 2015 1:33

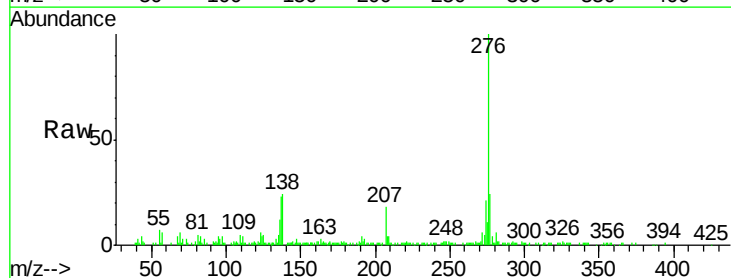
Tgt Ion:276 Resp: 105345

Ion Ratio Lower Upper

276 100

138 24.4 18.8 28.2

277 24.1 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

