

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG052316\
 Data File : BG022046.D
 Acq On : 23 May 2016 14:36
 Operator : UM/SJ
 Sample : H3086-09
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 JHGF8

Quant Time: May 24 06:00:57 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG052116.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue May 24 05:44:46 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	41856	20.00	ng/ul	0.00
18) Naphthalene-d8	10.98	136	208869	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.78	164	106207	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.53	188	201591	20.00	ng/ul	0.00
75) Chrysene-d12	21.82	240	190280	20.00	ng/ul	0.01
83) Perylene-d12	25.20	264	179106	20.00	ng/ul	0.05

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.53	96	2639	3.29	ng/uL	0.00
5) Phenol-d5	7.31	99	64626	17.09	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.48	67	40123	20.24	ng/ul	0.00
9) 2-Chlorophenol-d4	7.69	132	57428	18.17	ng/ul	0.00
13) 4-Methylphenol-d8	8.86	113	53023	16.53	ng/ul	0.00
19) Nitrobenzene-d5	9.33	128	27313	17.73	ng/ul	0.00
22) 2-Nitrophenol-d4	10.05	143	29316	17.57	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.60	165	50375	17.11	ng/ul	0.00
29) 4-Chloroaniline-d4	11.12	131	51967	16.21	ng/ul	0.00
43) Dimethylphthalate-d6	14.18	166	163102	20.45	ng/ul	0.00
46) Acenaphthylene-d8	14.48	160	226936	20.37	ng/ul	0.00
51) 4-Nitrophenol-d4	14.99	143	12089	8.80	ng/ul	0.00
57) Fluorene-d10	15.77	176	144805	19.38	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.89	200	11077	10.51	ng/ul	0.00
70) Anthracene-d10	17.63	188	198787	20.54	ng/ul	0.00
76) Pyrene-d10	19.91	212	202388	18.86	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.20	264	179106	21.55	ng/ul	0.29

Target Compounds

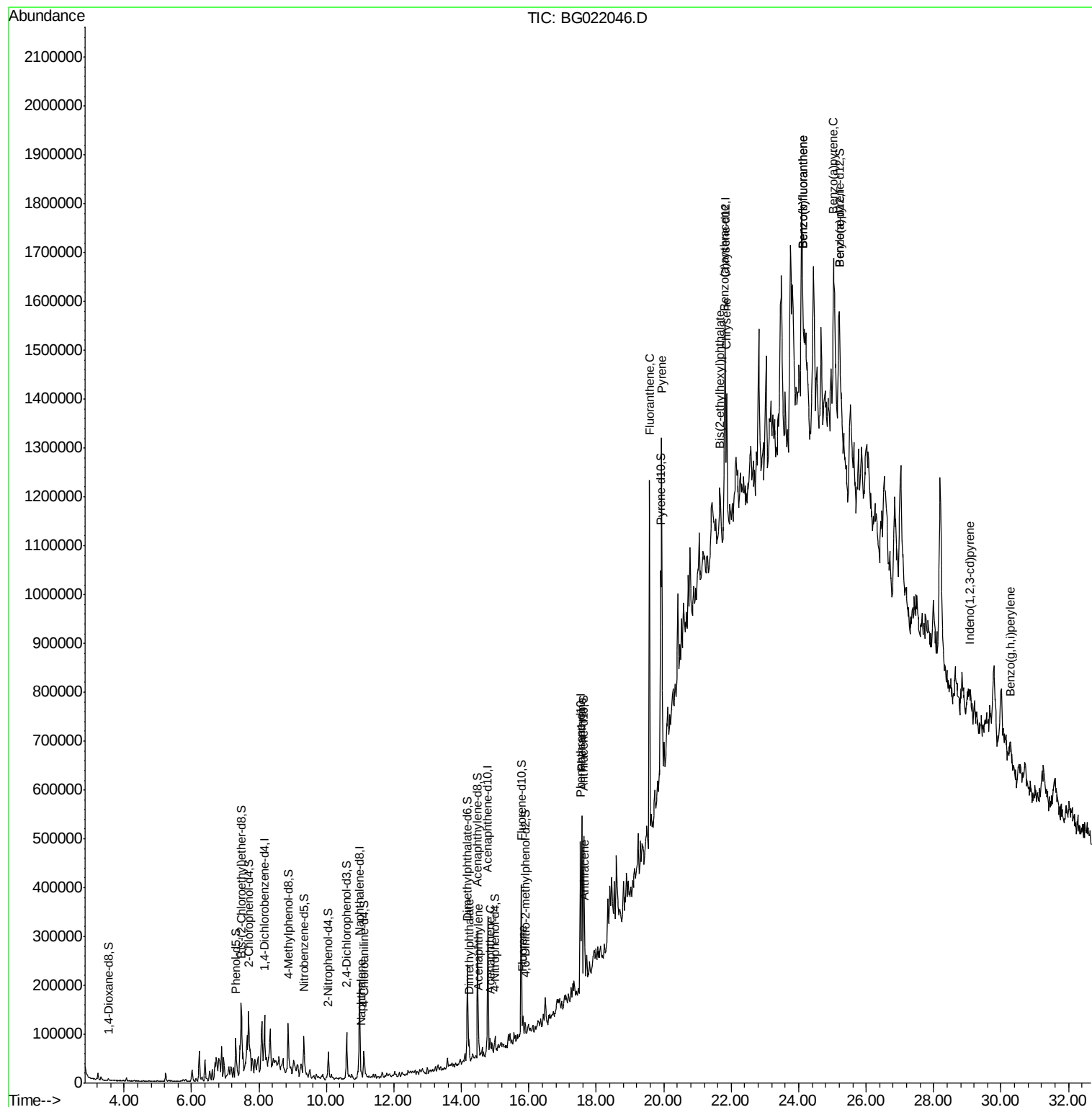
						Qvalue
28) Naphthalene	11.03	128	11092	1.05	ng/ul	99
44) Dimethylphthalate	14.22	163	28768	3.59	ng/ul#	97
47) Acenaphthylene	14.51	152	15866	1.40	ng/ul#	91
49) Acenaphthene	14.85	153	12983	1.66	ng/ul	96
58) Fluorene	15.83	166	18606	2.27	ng/ul#	94
69) Phenanthrene	17.57	178	246799	22.01	ng/ul	99
71) Anthracene	17.66	178	54733	4.82	ng/ul	98
74) Fluoranthene	19.58	202	447063	39.01	ng/ul	100
77) Pyrene	19.94	202	454601	33.95	ng/ul	99
80) Benzo(a)anthracene	21.80	228	167371	15.00	ng/ul#	96
81) Bis(2-ethylhexyl)phthalate	21.68	149	19446	2.15	ng/ul#	94
82) Chrysene	21.87	228	195023	18.22	ng/ul#	93
85) Benzo(b)fluoranthene	24.12	252	182936	17.45	ng/ul#	45
86) Benzo(k)fluoranthene	24.12	252	182936	17.93	ng/ul#	37
88) Benzo(a)pyrene	25.03	252	145885	14.43	ng/ul#	61
89) Indeno(1,2,3-cd)pyrene	29.07	276	59559	5.14	ng/ul#	71
91) Benzo(g,h,i)perylene	30.27	276	44031	4.74	ng/ul#	74

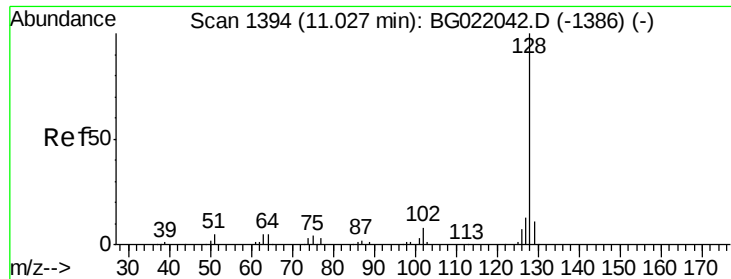
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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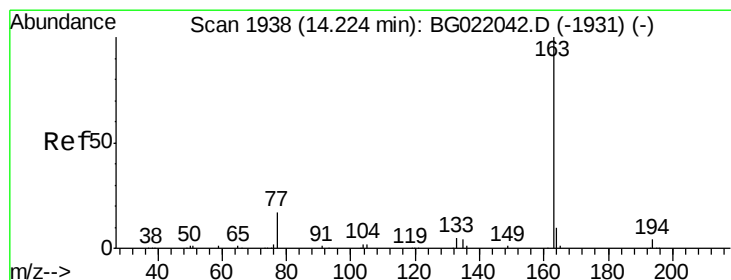
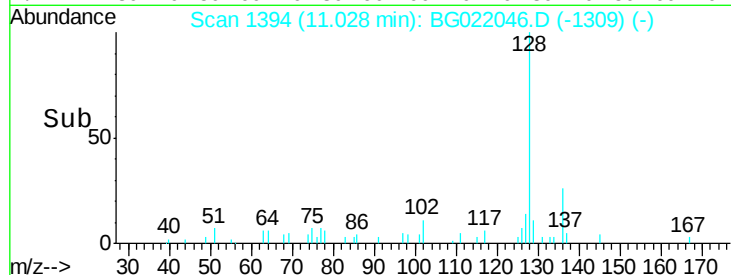
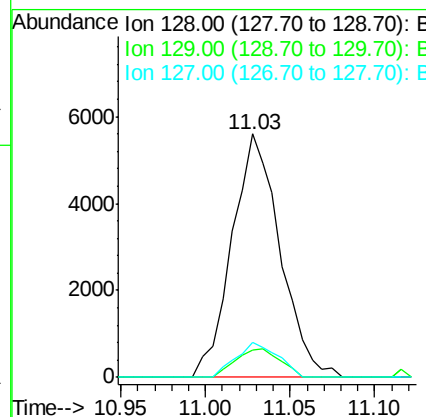
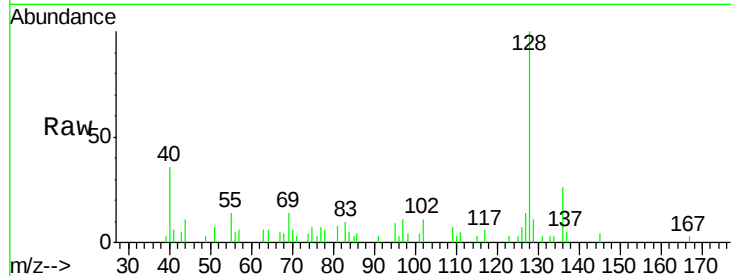




#28
Naphthalene
Concen: 1.05 ng/ul
RT: 11.03 min Scan# 1394
Delta R.T. 0.00 min
Lab File: BG022046.D
Acq: 23 May 2016 14:36

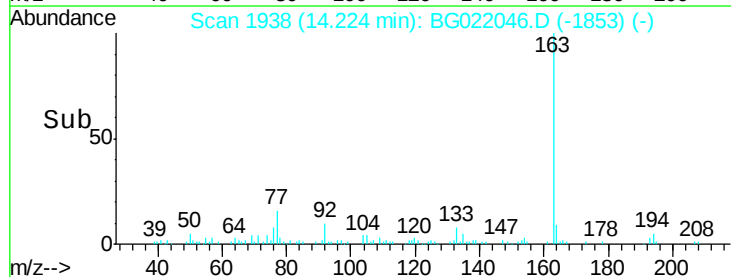
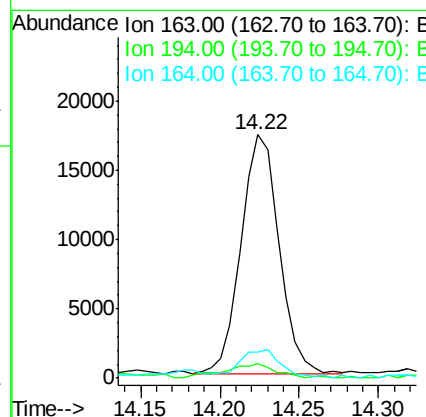
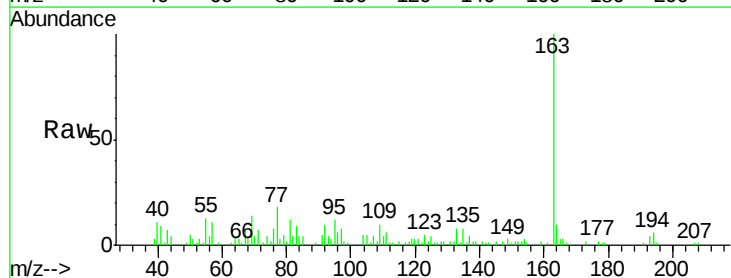
Instrument :
BNA_G
ClientSampleId :
JHGF8

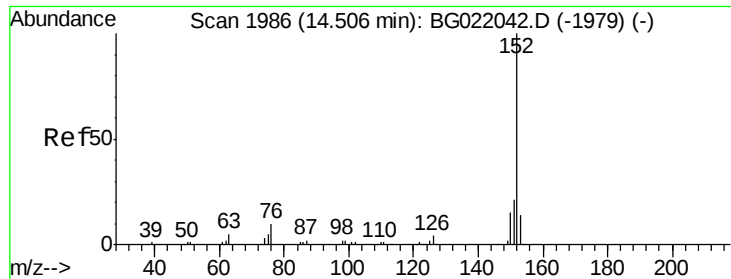
Tgt Ion:128 Resp: 11092
Ion Ratio Lower Upper
128 100
129 11.1 9.4 14.2
127 14.5 11.2 16.8



#44
Dimethylphthalate
Concen: 3.59 ng/ul
RT: 14.22 min Scan# 1938
Delta R.T. 0.00 min
Lab File: BG022046.D
Acq: 23 May 2016 14:36

Tgt Ion:163 Resp: 28768
Ion Ratio Lower Upper
163 100
194 6.2 3.4 5.2#
164 10.5 8.8 13.2





#47

Acenaphthylene

Concen: 1.40 ng/ul

RT: 14.51 min Scan# 1987

Delta R.T. 0.01 min

Lab File: BG022046.D

Acq: 23 May 2016 14:36

Instrument :

BNA_G

ClientSampleId :

JHGF8

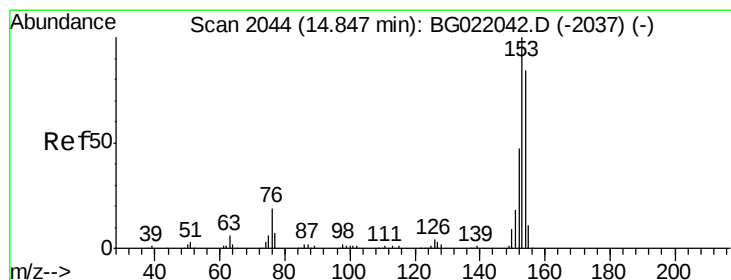
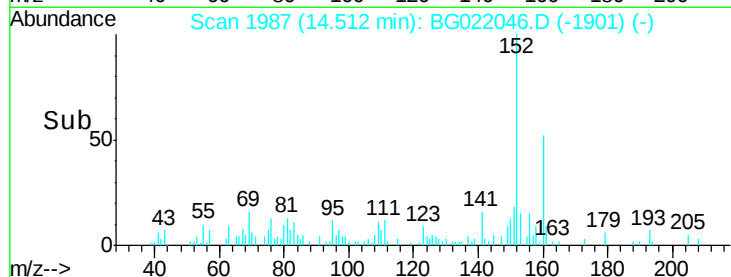
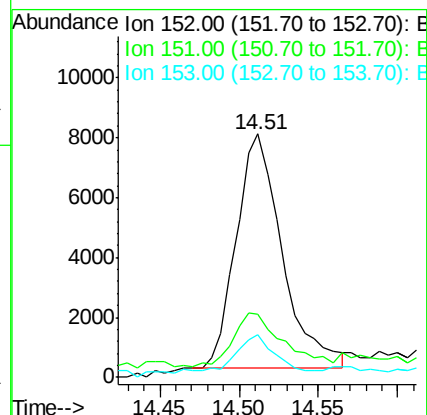
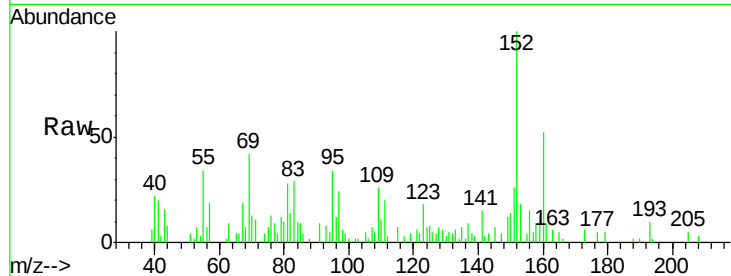
Tgt Ion:152 Resp: 15866

Ion Ratio Lower Upper

152 100

151 25.8 17.5 26.3

153 17.8 11.1 16.7#



#49

Acenaphthene

Concen: 1.66 ng/ul

RT: 14.85 min Scan# 2044

Delta R.T. 0.00 min

Lab File: BG022046.D

Acq: 23 May 2016 14:36

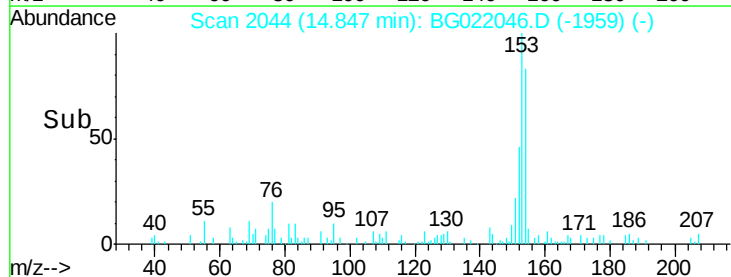
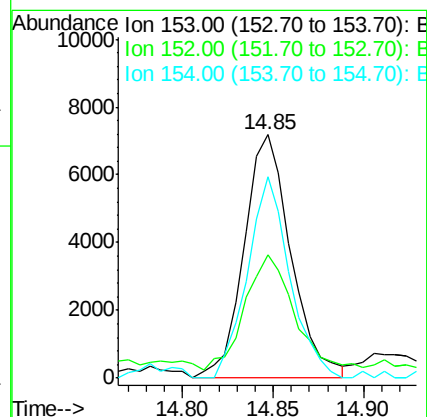
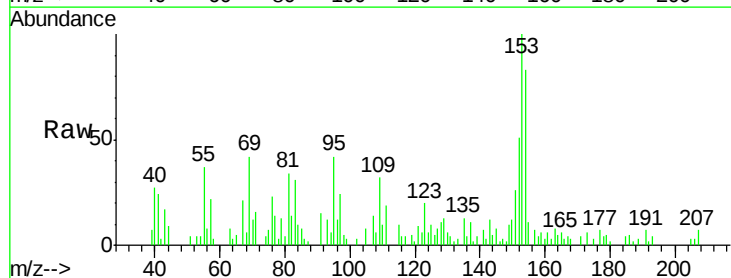
Tgt Ion:153 Resp: 12983

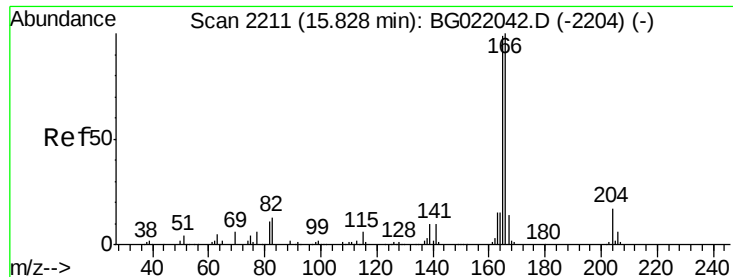
Ion Ratio Lower Upper

153 100

152 50.7 37.3 55.9

154 82.9 68.2 102.2





#58

Fluorene

Concen: 2.27 ng/ul

RT: 15.83 min Scan# 2211

Delta R.T. 0.00 min

Lab File: BG022046.D

Acq: 23 May 2016 14:36

Instrument :

BNA_G

ClientSampleId :

JHGF8

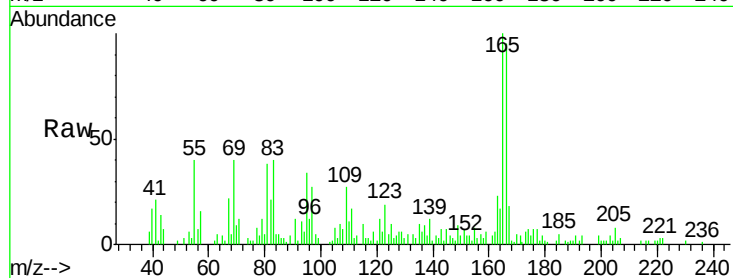
Tgt Ion:166 Resp: 18606

Ion Ratio Lower Upper

166 100

165 105.5 80.3 120.5

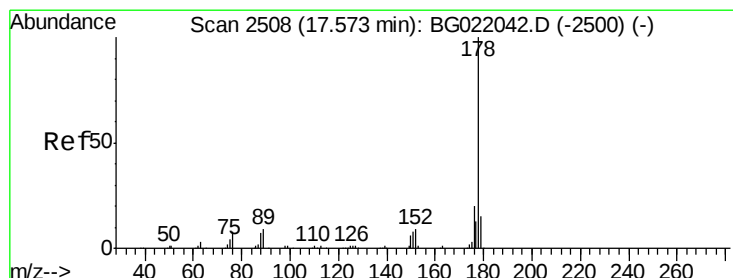
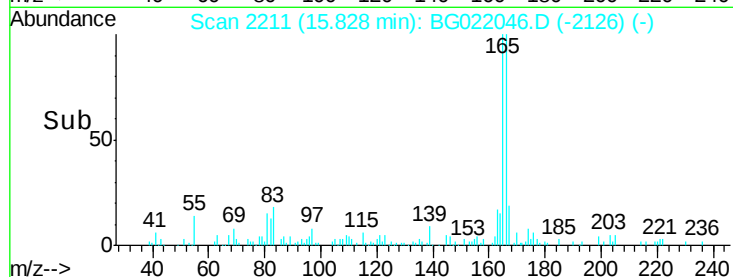
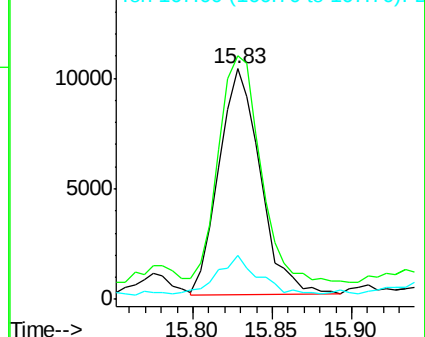
167 19.2 10.3 15.5#



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



#69

Phenanthrene

Concen: 22.01 ng/ul

RT: 17.57 min Scan# 2508

Delta R.T. 0.00 min

Lab File: BG022046.D

Acq: 23 May 2016 14:36

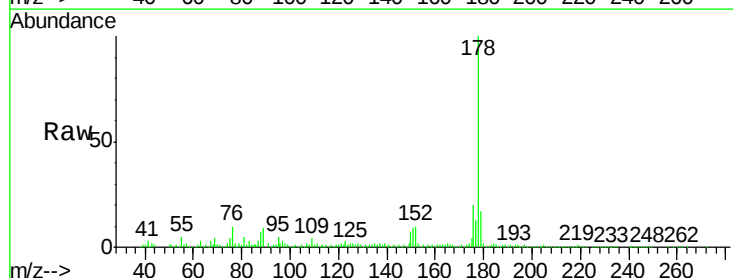
Tgt Ion:178 Resp: 246799

Ion Ratio Lower Upper

178 100

179 16.8 12.9 19.3

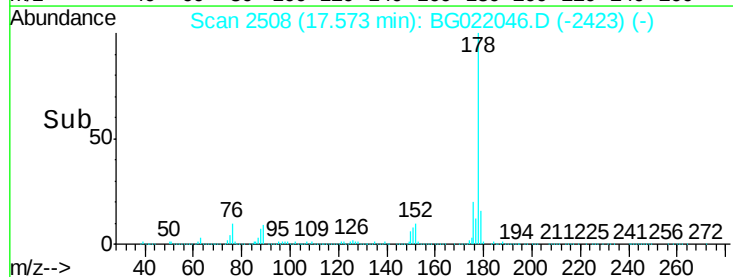
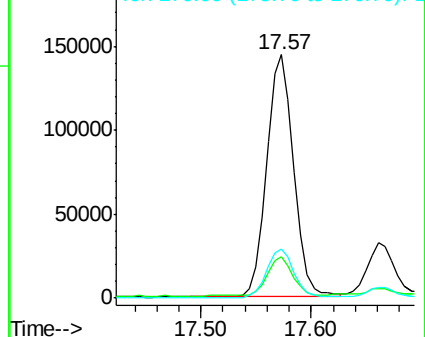
176 20.3 15.8 23.8

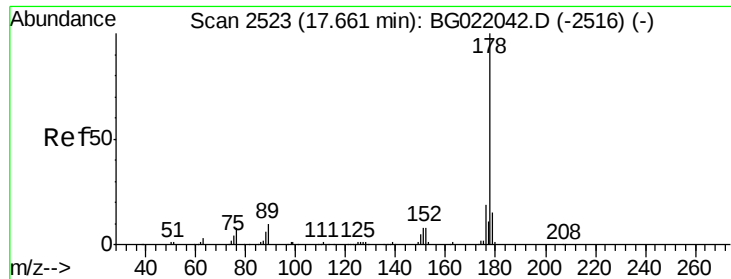


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#71

Anthracene

Concen: 4.82 ng/ul

RT: 17.66 min Scan# 2523

Delta R.T. 0.00 min

Lab File: BG022046.D

Acq: 23 May 2016 14:36

Instrument :

BNA_G

ClientSampleId :

JHGF8

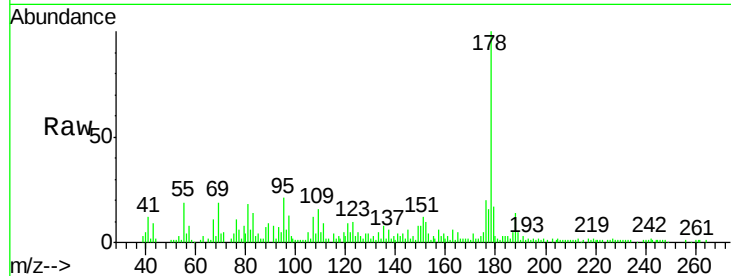
Tgt Ion:178 Resp: 54733

Ion Ratio Lower Upper

178 100

179 17.0 12.3 18.5

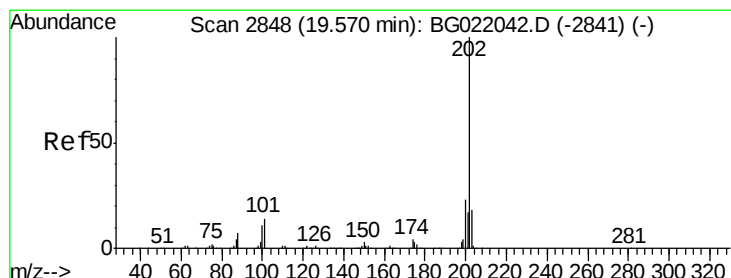
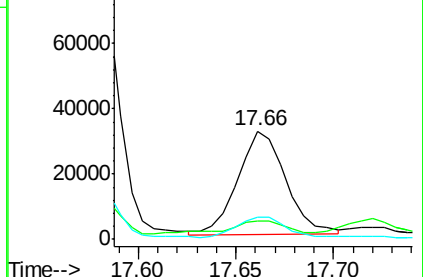
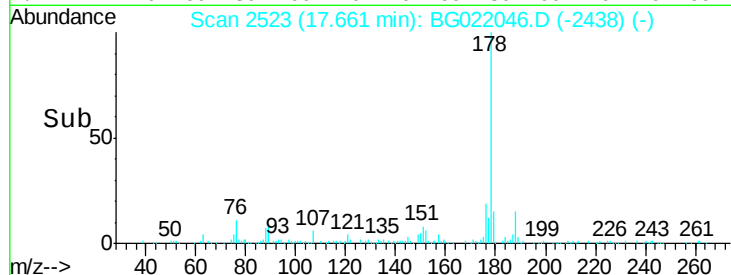
176 19.9 16.3 24.5



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



#74

Fluoranthene

Concen: 39.01 ng/ul

RT: 19.58 min Scan# 2849

Delta R.T. 0.01 min

Lab File: BG022046.D

Acq: 23 May 2016 14:36

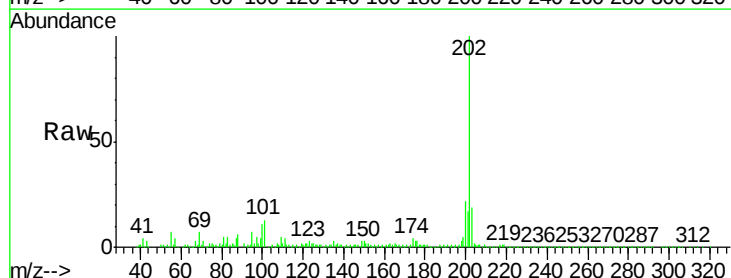
Tgt Ion:202 Resp: 447063

Ion Ratio Lower Upper

202 100

101 13.4 10.6 16.0

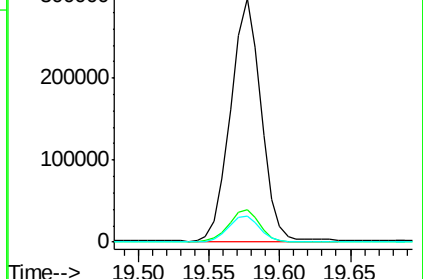
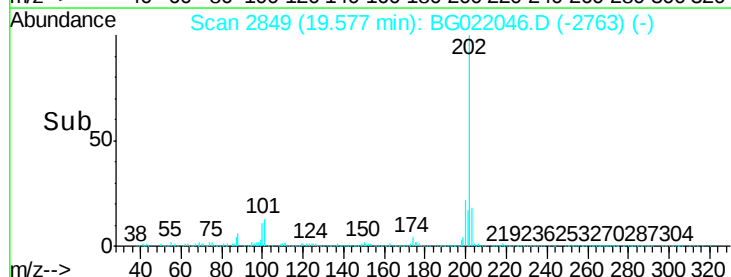
100 10.7 8.7 13.1

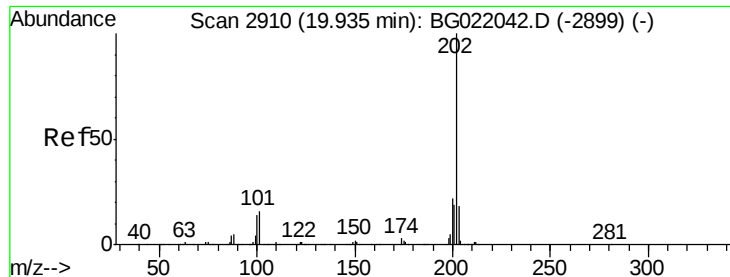


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#77

Pyrene

Concen: 33.95 ng/ul

RT: 19.94 min Scan# 2911

Delta R.T. 0.01 min

Lab File: BG022046.D

Acq: 23 May 2016 14:36

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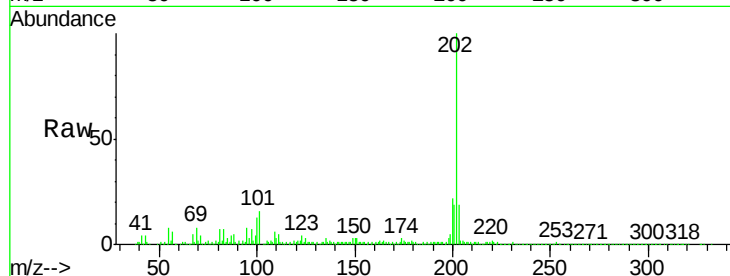
Tgt Ion:202 Resp: 454601

Ion Ratio Lower Upper

202 100

101 15.6 12.5 18.7

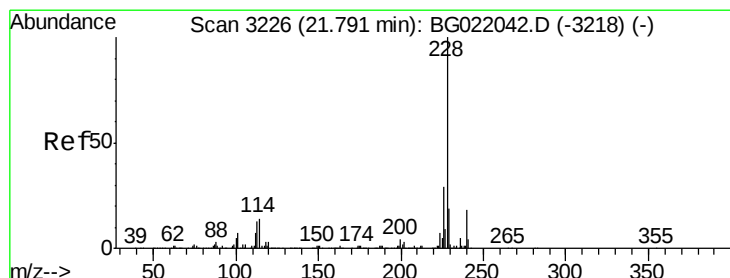
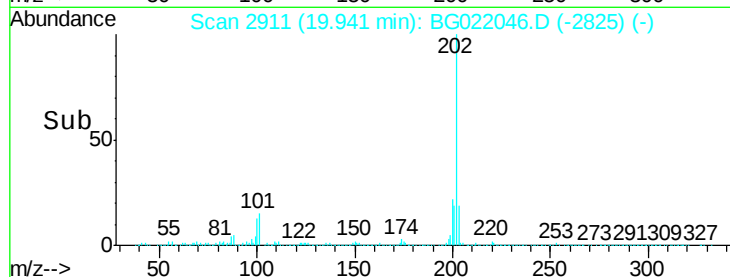
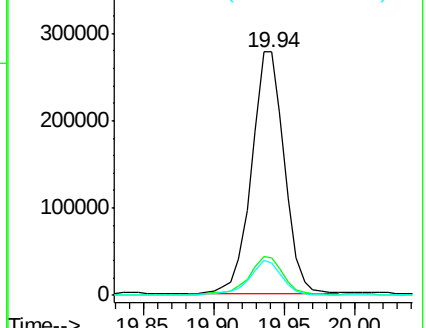
100 13.5 10.2 15.4



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

Benzo(a)anthracene

Concen: 15.00 ng/ul

RT: 21.80 min Scan# 3228

Delta R.T. 0.01 min

Lab File: BG022046.D

Acq: 23 May 2016 14:36

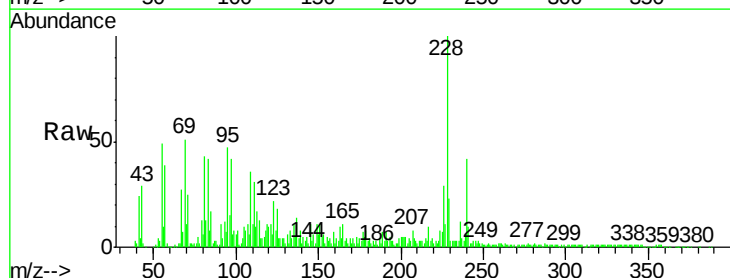
Tgt Ion:228 Resp: 167371

Ion Ratio Lower Upper

228 100

229 23.5 15.4 23.2#

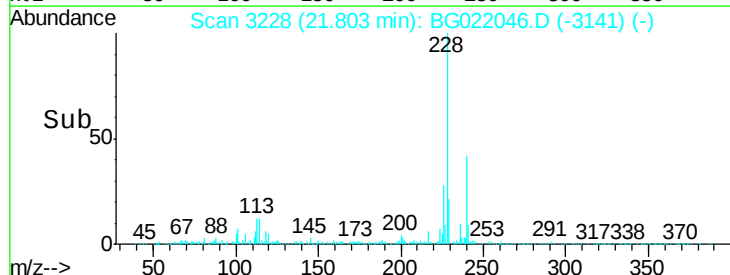
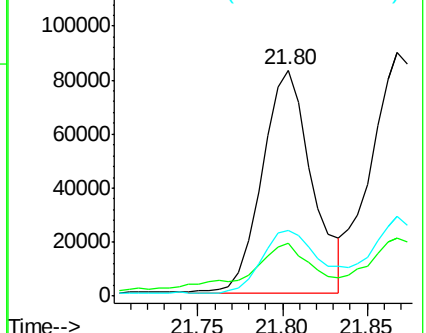
226 29.0 22.8 34.2

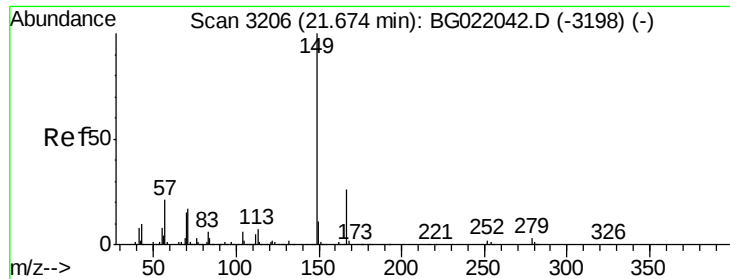


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#81

Bis(2-ethylhexyl)phthalate

Concen: 2.15 ng/ul

RT: 21.68 min Scan# 3207

Delta R.T. 0.01 min

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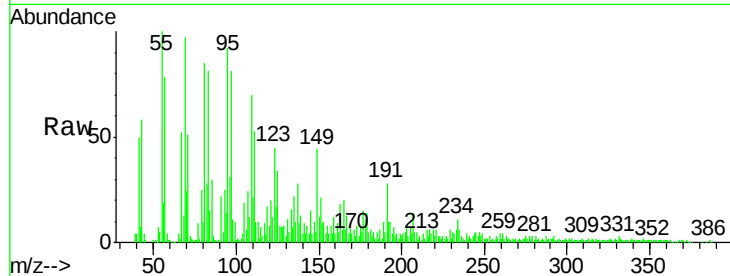
Tgt Ion:149 Resp: 19446

Ion Ratio Lower Upper

149 100

167 30.4 21.9 32.9

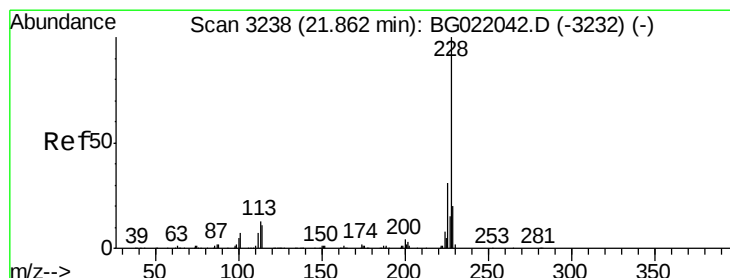
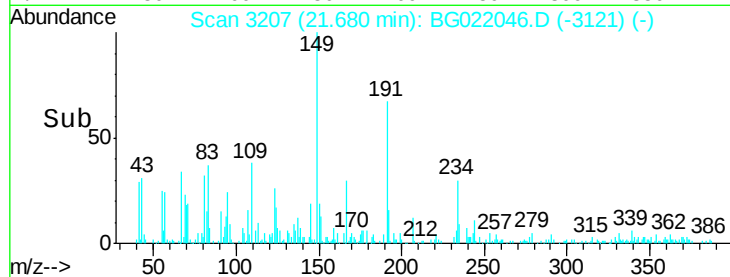
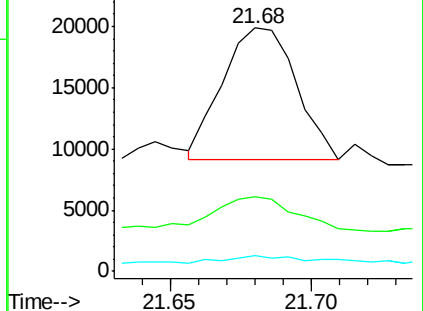
279 6.7 2.9 4.3#



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



#82

Chrysene

Concen: 18.22 ng/ul

RT: 21.87 min Scan# 3239

Delta R.T. 0.01 min

Lab File: BG022046.D

Acq: 23 May 2016 14:36

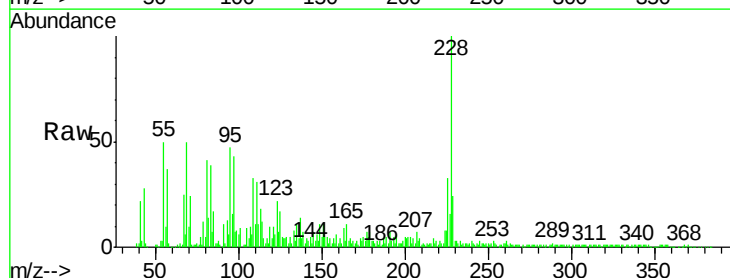
Tgt Ion:228 Resp: 195023

Ion Ratio Lower Upper

228 100

226 32.6 24.2 36.4

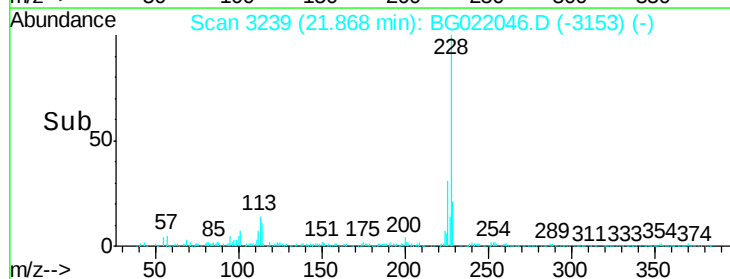
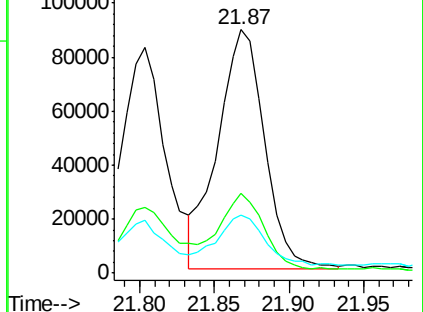
229 23.7 15.0 22.6#

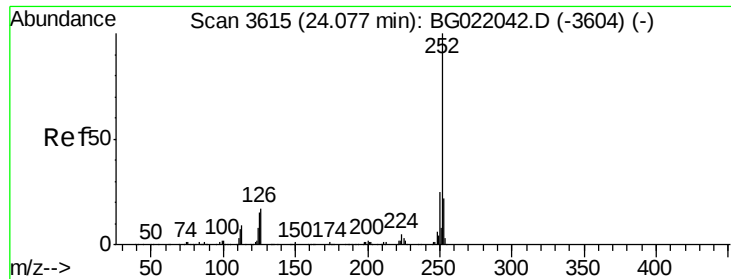


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Benzo(b)fluoranthene

Concen: 17.45 ng/u1

RT: 24.12 min Scan# 3623

Delta R.T. 0.05 min

Lab File: BG022046.D

Acq: 23 May 2016 14:36

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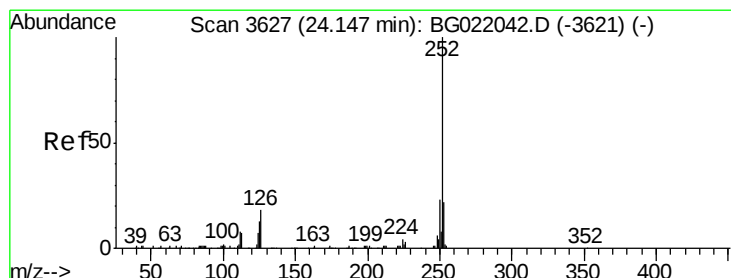
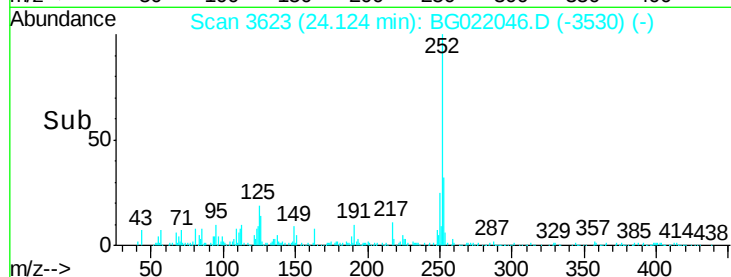
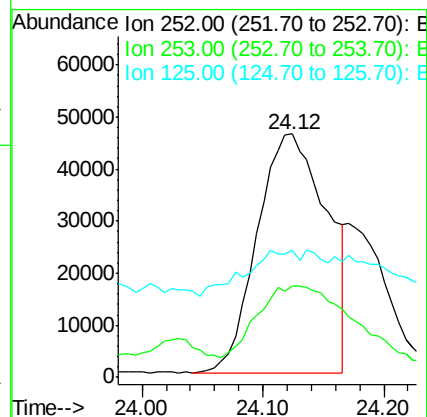
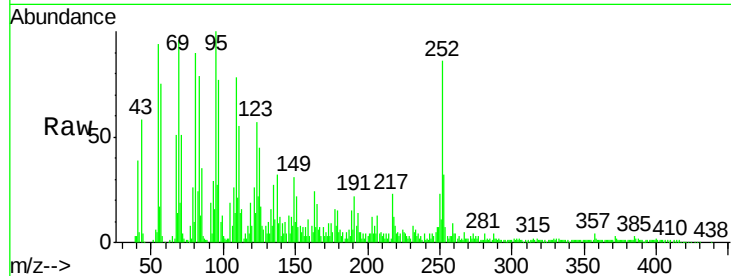
Tgt Ion:252 Resp: 182936

Ion Ratio Lower Upper

252 100

253 37.6 18.2 27.2#

125 52.5 10.8 16.2#



#86

Benzo(k)fluoranthene

Concen: 17.93 ng/u1

RT: 24.12 min Scan# 3623

Delta R.T. -0.02 min

Lab File: BG022046.D

Acq: 23 May 2016 14:36

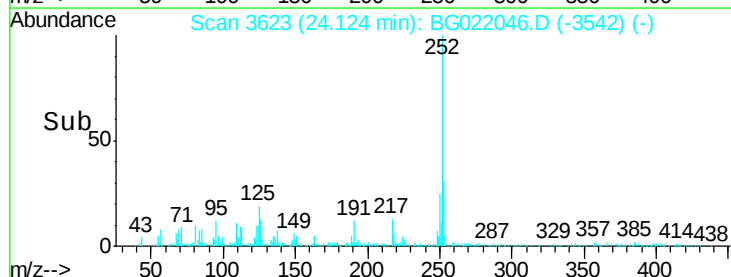
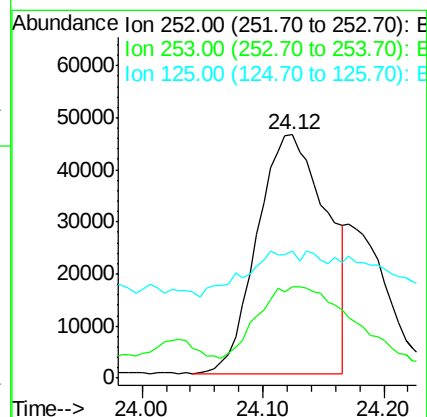
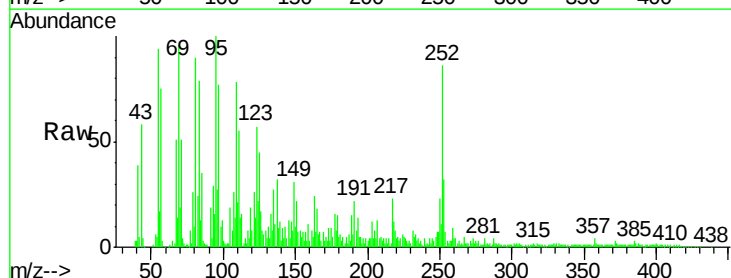
Tgt Ion:252 Resp: 182936

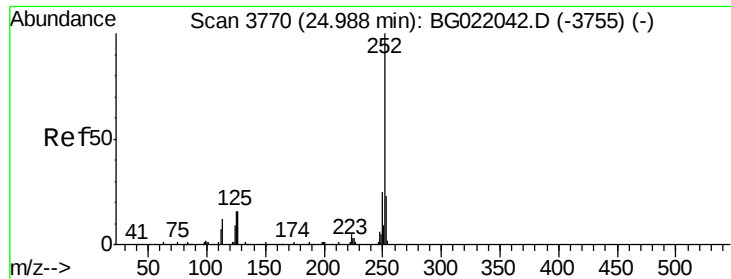
Ion Ratio Lower Upper

252 100

253 37.6 15.8 23.6#

125 52.5 10.6 16.0#





#88

Benzo(a)pyrene

Concen: 14.43 ng/ul

RT: 25.03 min Scan# 3778

Delta R.T. 0.05 min

Lab File: BG022046.D

Acq: 23 May 2016 14:36

Instrument :

BNA_G

ClientSampleId :

JHGF8

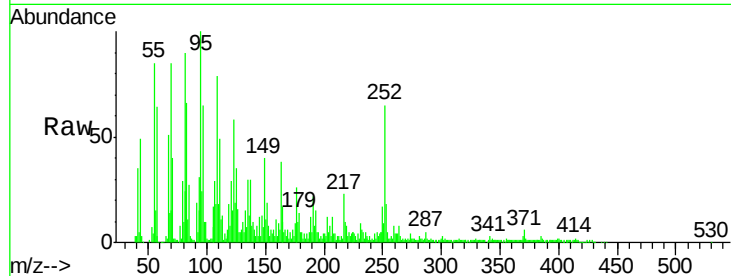
Tgt Ion:252 Resp: 145885

Ion Ratio Lower Upper

252 100

253 26.9 19.0 28.4

125 52.8 12.0 18.0#

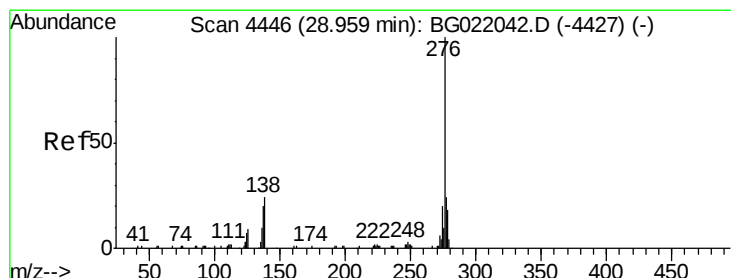
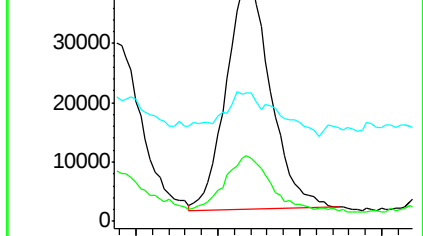
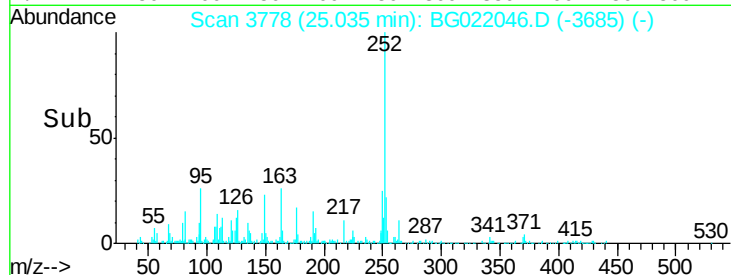


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

Time-->



#89

Indeno(1,2,3-cd)pyrene

Concen: 5.14 ng/ul

RT: 29.07 min Scan# 4464

Delta R.T. 0.11 min

Lab File: BG022046.D

Acq: 23 May 2016 14:36

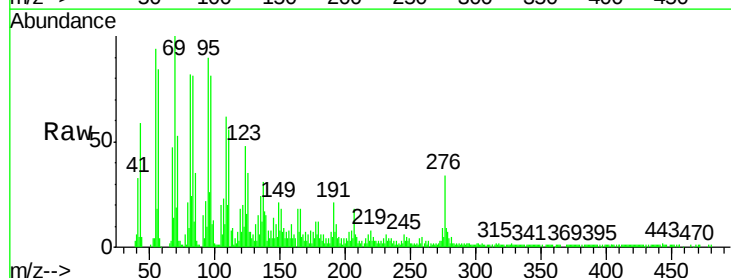
Tgt Ion:276 Resp: 59559

Ion Ratio Lower Upper

276 100

138 50.4 20.8 31.2#

277 25.2 17.6 26.4

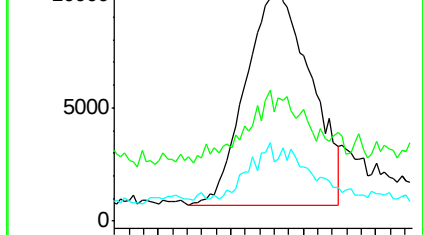
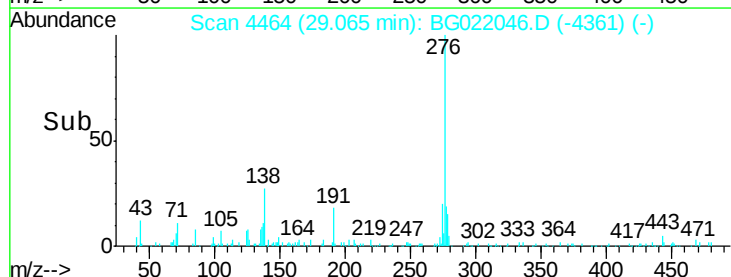


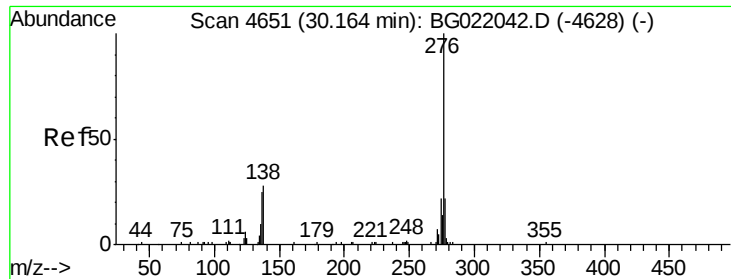
Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

Time-->





#91

Benzo(g,h,i)perylene

Concen: 4.74 ng/ul

RT: 30.27 min Scan# 4669

Delta R.T. 0.11 min

Lab File: BG022046.D

Acq: 23 May 2016 14:36

Instrument :

BNA_G

ClientSampleId :

JHGF8

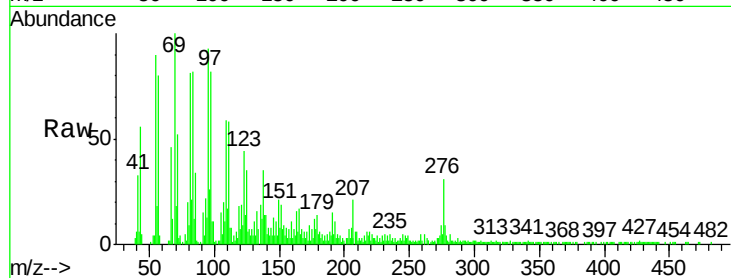
Tgt Ion:276 Resp: 44031

Ion Ratio Lower Upper

276 100

138 44.0 22.1 33.1#

277 30.0 17.0 25.4#



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

