

Data Path : Z:\HPCHEM1\BNA G\DATA\BG062116\
 Data File : BG022470.D
 Acq On : 21 Jun 2016 17:33
 Operator : UM/SJ
 Sample : H3467-03RE
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 HF-4-WC-3RE

Quant Time: Jun 22 13:16:24 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG060616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 22 02:15:22 2016
 Response via : Initial Calibration

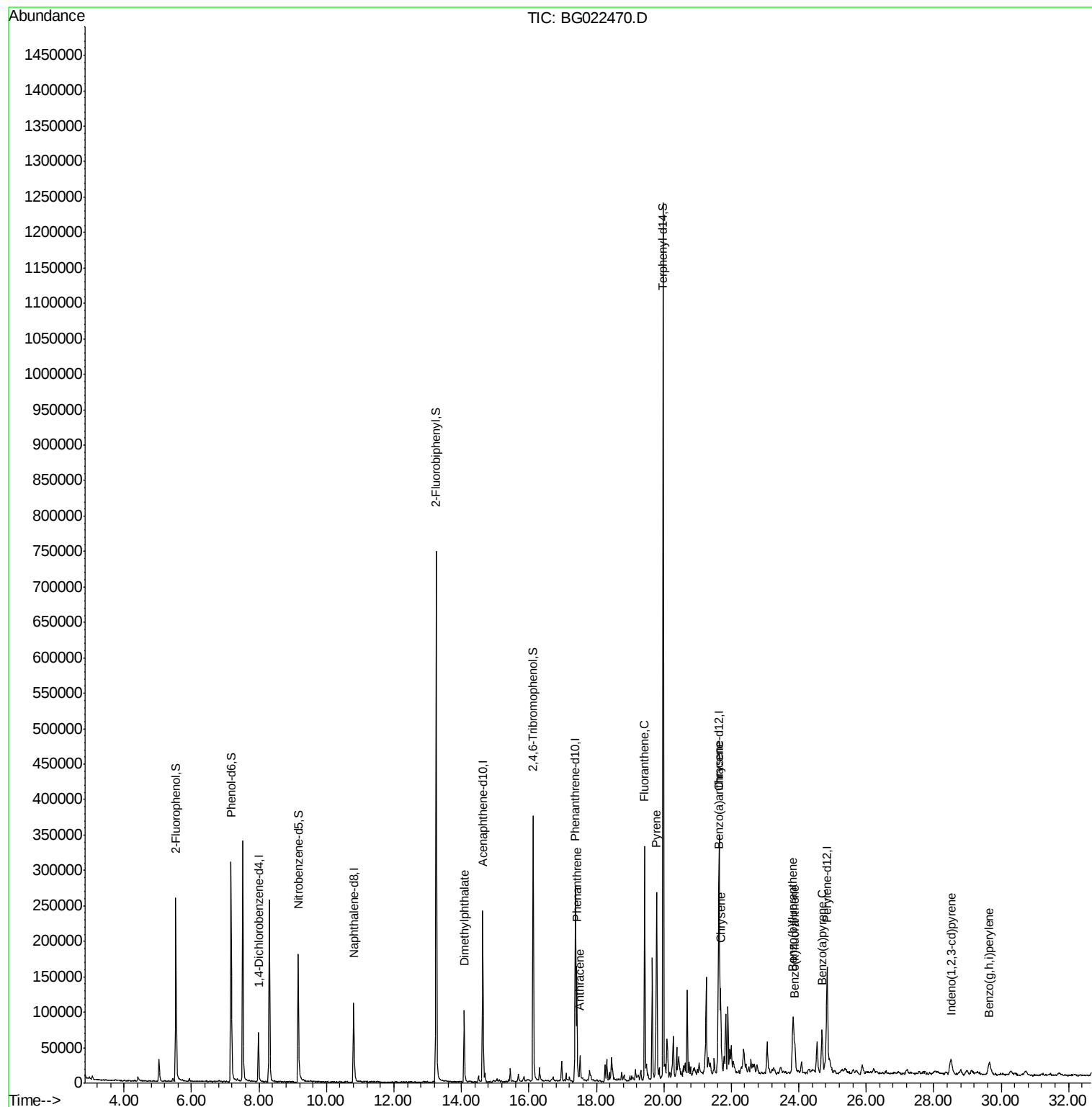
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.98	152	25714	20.00	ng	0.00
21) Naphthalene-d8	10.81	136	138028	20.00	ng	0.00
38) Acenaphthene-d10	14.63	164	91962	20.00	ng	0.00
63) Phenanthrene-d10	17.38	188	192647	20.00	ng	0.00
75) Chrysene-d12	21.64	240	162700	20.00	ng	0.00
86) Perylene-d12	24.84	264	150483	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.54	112	179630	135.07	ng	0.00
7) Phenol-d6	7.17	99	292203	139.74	ng	0.00
23) Nitrobenzene-d5	9.16	82	156681	79.14	ng	0.00
41) 2,4,6-Tribromophenol	16.13	330	73923	71.14	ng	0.00
44) 2-Fluorobiphenyl	13.25	172	454934	75.39	ng	0.00
78) Terphenyl-d14	19.98	244	552159	80.57	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	14.08	163	89969	11.80	ng	99
70) Phenanthrene	17.42	178	109186	10.44	ng	99
71) Anthracene	17.52	178	27193	2.62	ng	94
74) Fluoranthene	19.43	202	208870	17.36	ng	95
77) Pyrene	19.79	202	167454	16.56	ng	99
80) Benzo(a)anthracene	21.62	228	94533	10.36	ng	99
82) Chrysene	21.68	228	80132m	9.03	ng	
85) Indeno(1,2,3-cd)pyrene	28.51	276	30832	3.10	ng	# 85
87) Benzo(b)fluoranthene	23.82	252	90120	10.27	ng	# 93
88) Benzo(k)fluoranthene	23.88	252	29608m	3.43	ng	
89) Benzo(a)pyrene	24.69	252	59148	7.05	ng	# 90
91) Benzo(a,h,i)perylene	29.66	276	32117m	3.91	ng	

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

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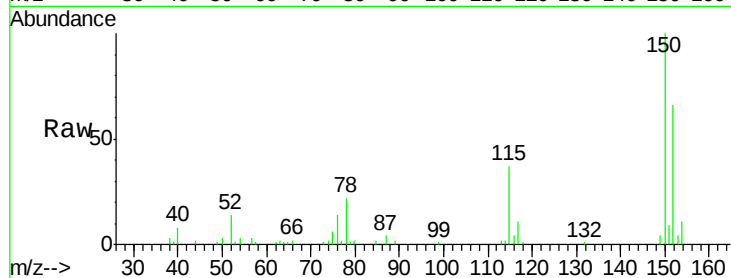




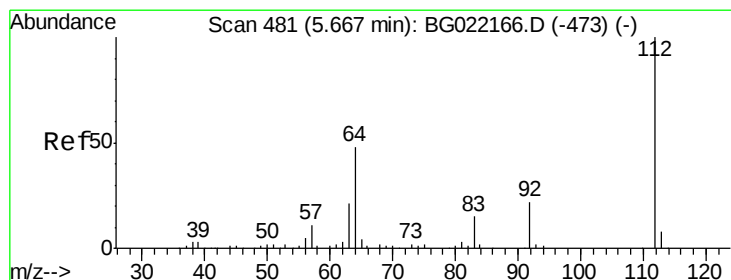
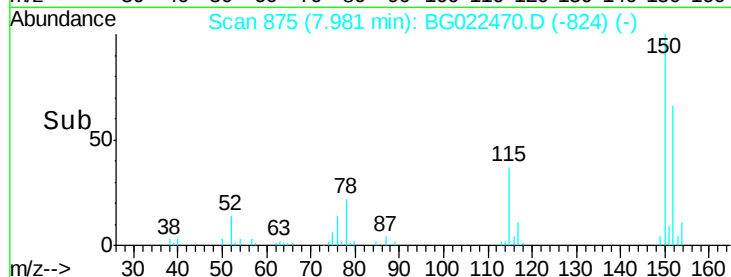
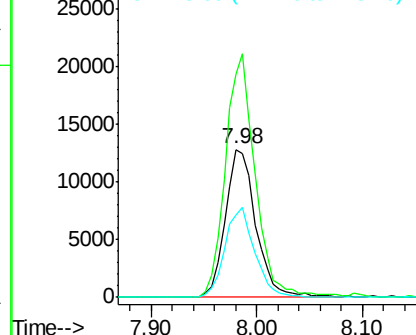
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.98 min Scan# 875
 Delta R.T. -0.00 min
 Lab File: BG022470.D
 Acq: 21 Jun 2016 17:33

Instrument :
 BNA_G
 ClientSampled :
 HF-4-WC-3RE

Tot Ion:152 Resp: 25714
 Ion Ratio Lower Upper
 152 100
 150 151.1 130.1 195.1
 115 55.9 62.2 93.2#

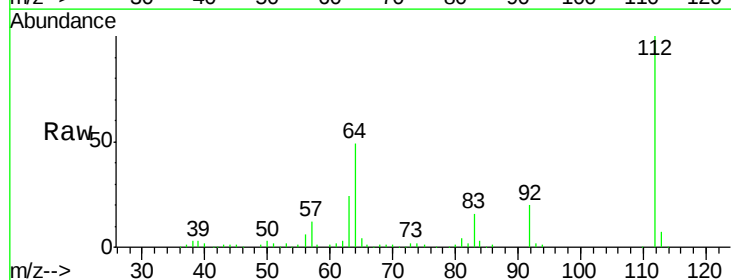


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

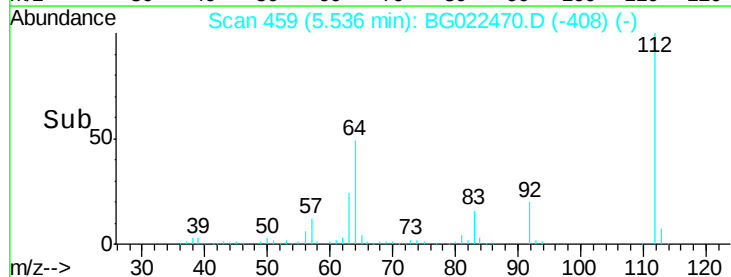
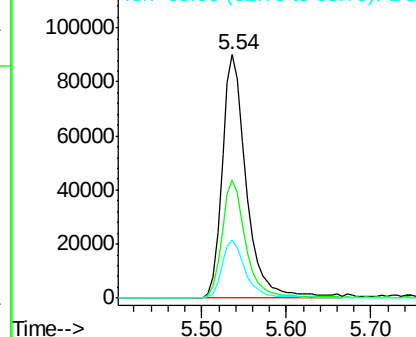


#5
 2-Fluorophenol
 Concen: 135.07 ng
 RT: 5.54 min Scan# 459
 Delta R.T. -0.00 min
 Lab File: BG022470.D
 Acq: 21 Jun 2016 17:33

Tgt Ion:112 Resp: 179630
 Ion Ratio Lower Upper
 112 100
 64 48.8 51.1 76.7#
 63 23.8 24.6 37.0#



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BGC
 Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 139.74 ng

RT: 7.17 min Scan# 737

Delta R.T. -0.00 min

Lab File: BG022470.D

Acq: 21 Jun 2016 17:33

Instrument :

BNA_G

ClientSampleId :

HF-4-WC-3RE

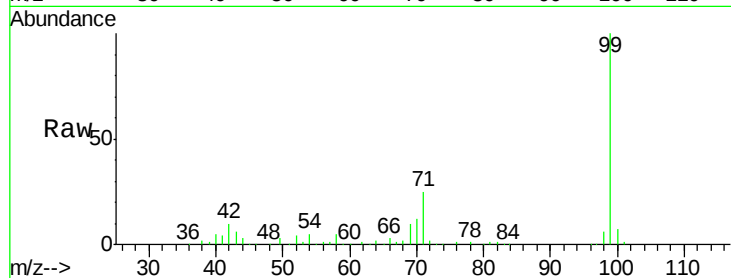
Tot Ion: 99 Resp: 292203

Ion Ratio Lower Upper

99 100

42 10.3 16.4 24.6#

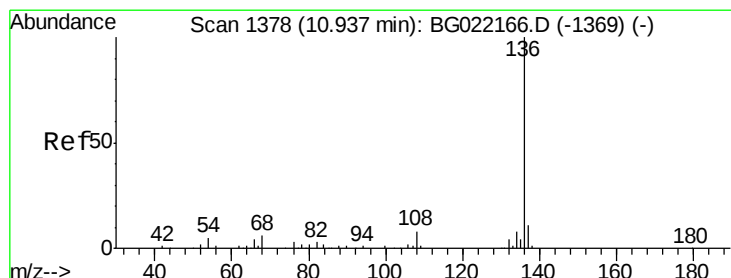
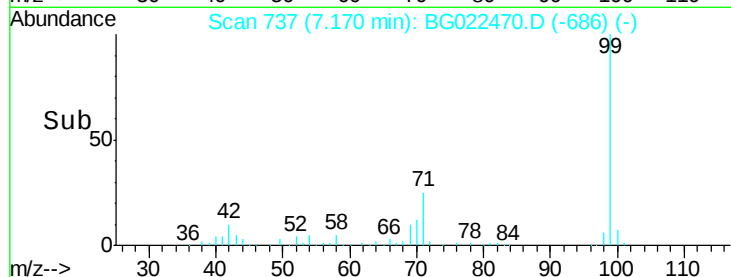
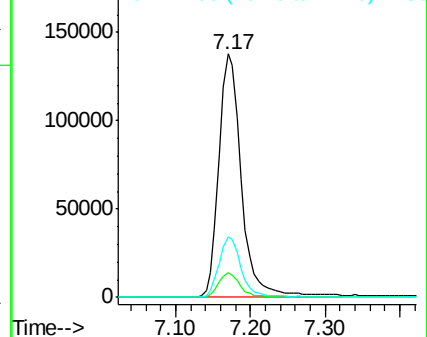
71 24.8 25.0 37.4#



Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.81 min Scan# 1356

Delta R.T. 0.00 min

Lab File: BG022470.D

Acq: 21 Jun 2016 17:33

Tgt Ion: 136 Resp: 138028

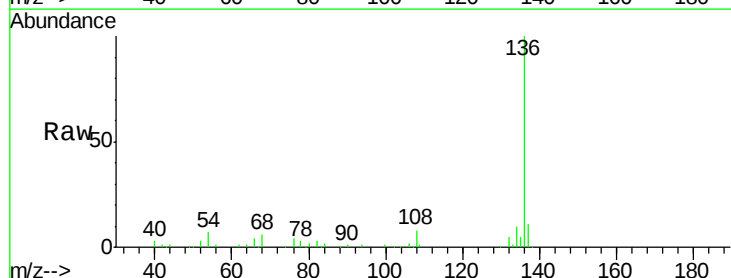
Ion Ratio Lower Upper

136 100

137 11.2 9.0 13.4

54 6.5 9.6 14.4#

68 6.1 6.4 9.6#

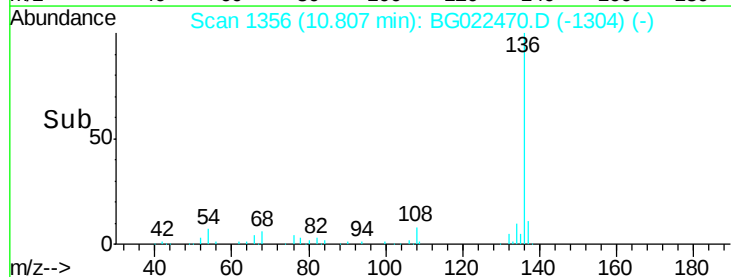
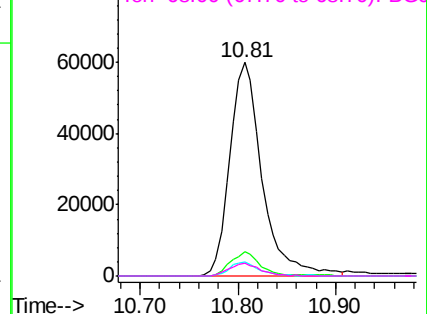


Abundance Ion 136.00 (135.70 to 136.70): BGC

Ion 137.00 (136.70 to 137.70): BGC

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC

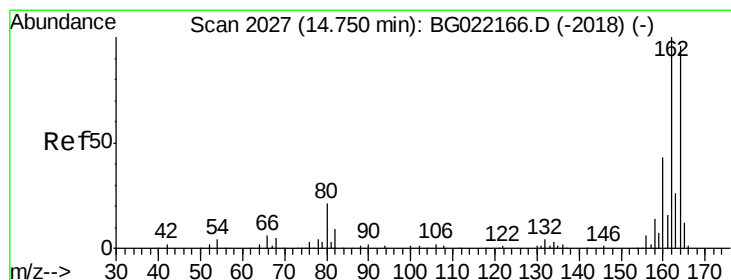
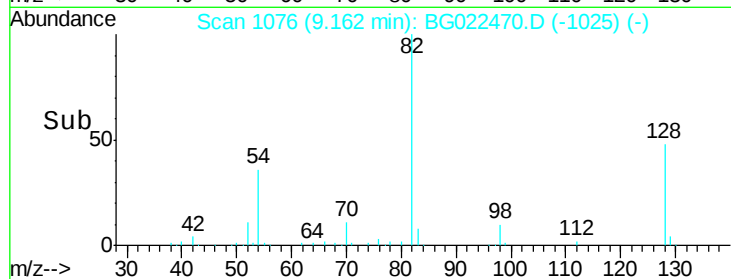
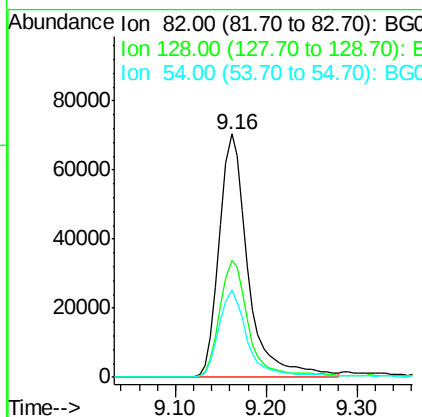
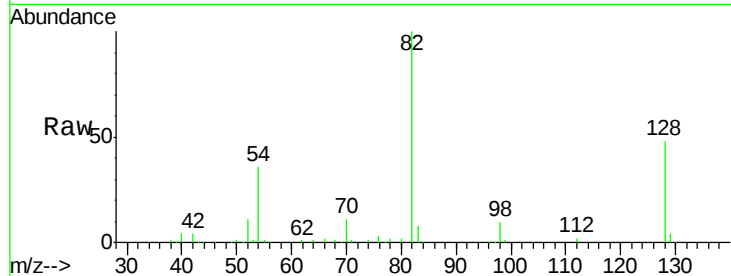




#23
Nitrobenzene-d5
Concen: 79.14 ng
RT: 9.16 min Scan# 1076
Delta R.T. -0.00 min
Lab File: BG022470.D
Acq: 21 Jun 2016 17:33

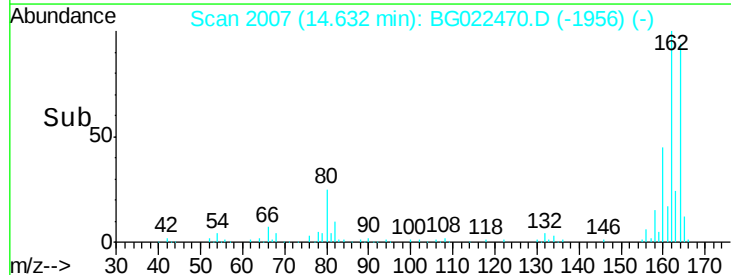
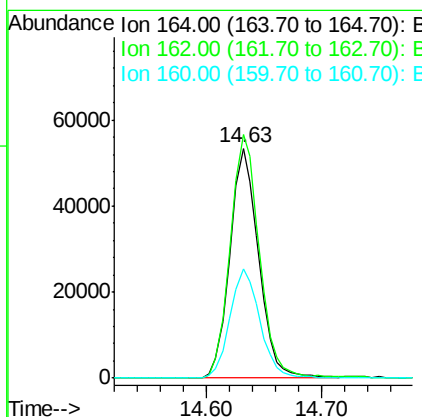
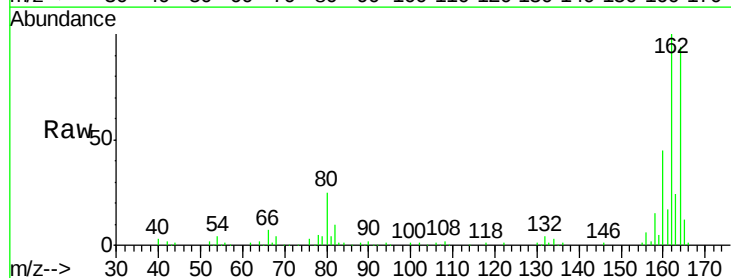
Instrument :
BNA_G
ClientSampleId :
HF-4-WC-3RE

Tot Ion: 82 Resp: 156681
Ion Ratio Lower Upper
82 100
128 48.3 33.4 50.0
54 35.8 46.1 69.1#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.63 min Scan# 2007
Delta R.T. -0.00 min
Lab File: BG022470.D
Acq: 21 Jun 2016 17:33

Tgt Ion:164 Resp: 91962
Ion Ratio Lower Upper
164 100
162 106.0 78.0 117.0
160 47.8 32.9 49.3

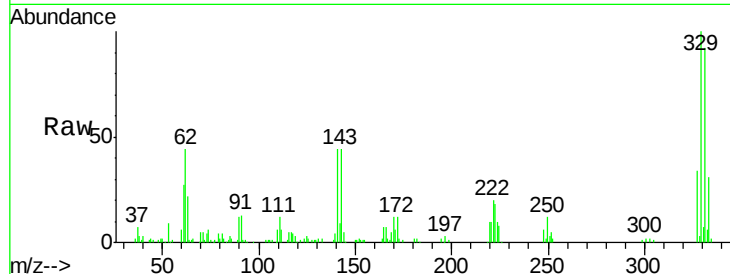




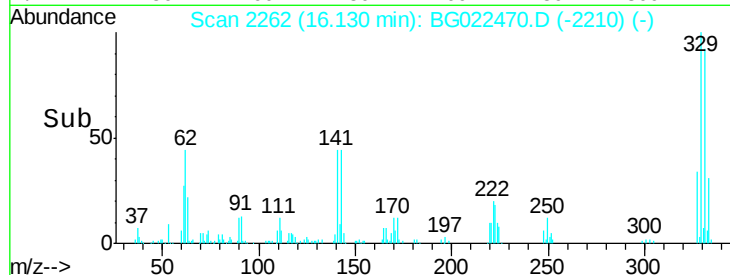
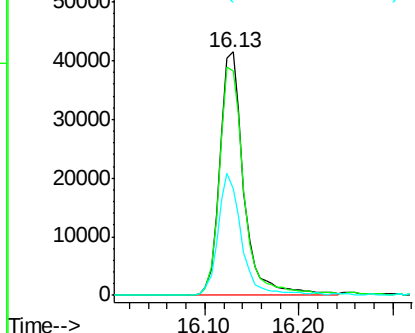
#41
 2,4,6-Tribromophenol
 Concen: 71.14 ng
 RT: 16.13 min Scan# 2262
 Delta R.T. 0.00 min
 Lab File: BG022470.D
 Acq: 21 Jun 2016 17:33

Instrument :
 BNA_G
 ClientSampleId :
 HF-4-WC-3RE

Tot Ion:330 Resp: 73923
 Ion Ratio Lower Upper
 330 100
 332 95.4 78.0 117.0
 141 48.7 33.8 50.8

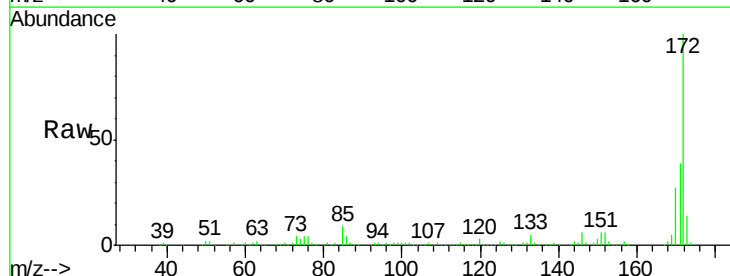


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

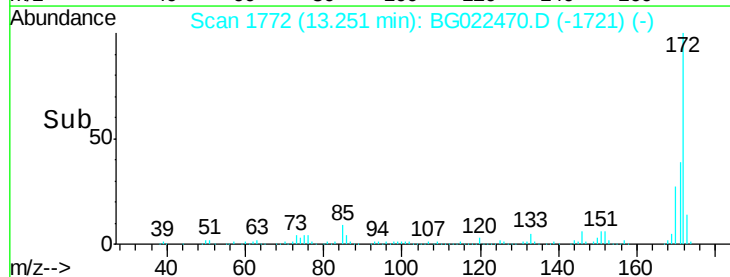
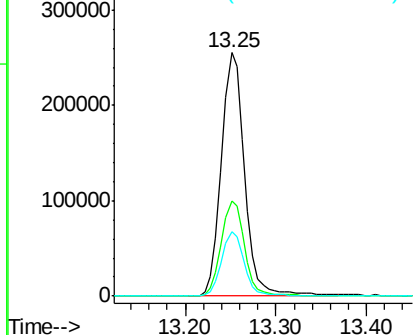


#44
 2-Fluorobiphenyl
 Concen: 75.39 ng
 RT: 13.25 min Scan# 1772
 Delta R.T. -0.00 min
 Lab File: BG022470.D
 Acq: 21 Jun 2016 17:33

Tgt Ion:172 Resp: 454934
 Ion Ratio Lower Upper
 172 100
 171 39.3 27.8 41.6
 170 26.6 19.6 29.4



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 11.80 ng

RT: 14.08 min Scan# 1913

Delta R.T. -0.00 min

Lab File: BG022470.D

Acq: 21 Jun 2016 17:33

Instrument :

BNA_G

ClientSampleId :

HF-4-WC-3RE

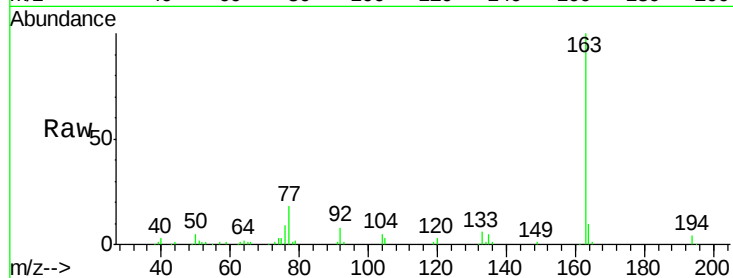
Tot Ion:163 Resp: 89969

Ion Ratio Lower Upper

163 100

194 3.9 3.0 4.6

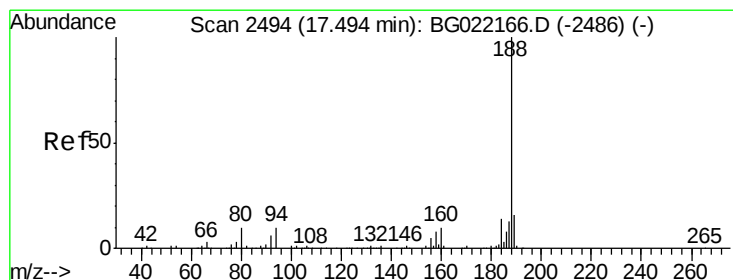
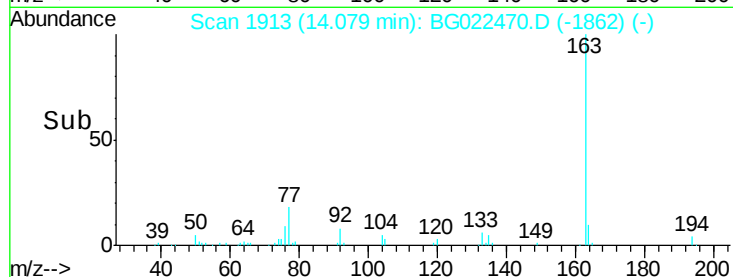
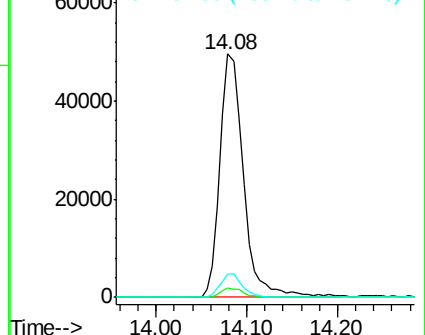
164 9.5 8.1 12.1



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.38 min Scan# 2475

Delta R.T. 0.00 min

Lab File: BG022470.D

Acq: 21 Jun 2016 17:33

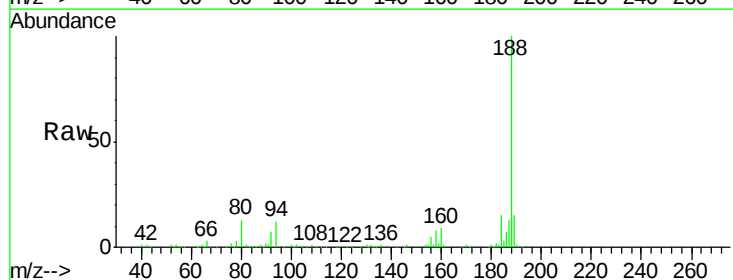
Tgt Ion:188 Resp: 192647

Ion Ratio Lower Upper

188 100

94 12.3 7.5 11.3#

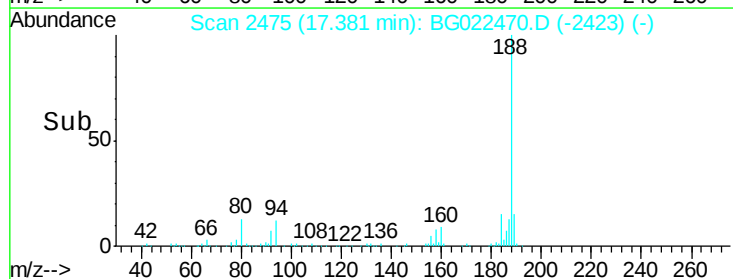
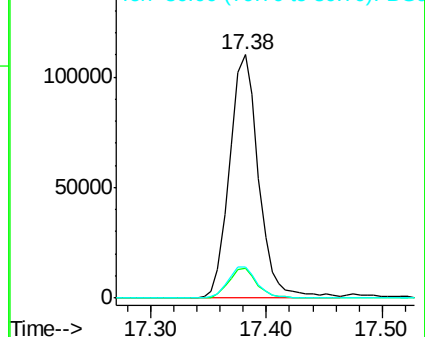
80 12.6 8.6 13.0

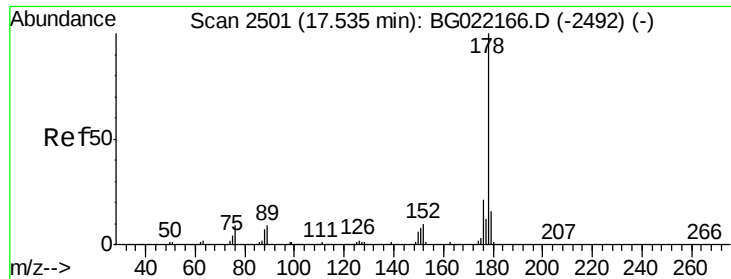


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#70

Phenanthrene

Concen: 10.44 ng

RT: 17.42 min Scan# 2482

Delta R.T. -0.00 min

Lab File: BG022470.D

Acq: 21 Jun 2016 17:33

Instrument :

BNA_G

ClientSampleId :

HF-4-WC-3RE

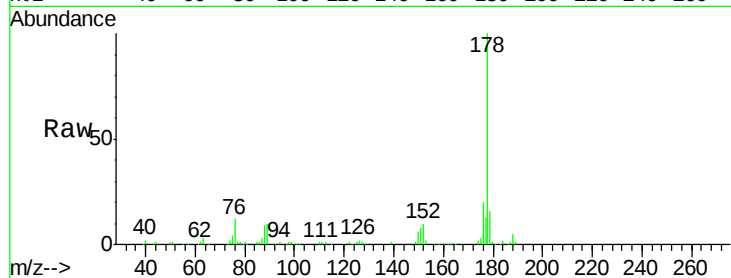
Tot Ion:178 Resp: 109186

Ion Ratio Lower Upper

178 100

176 20.4 16.2 24.4

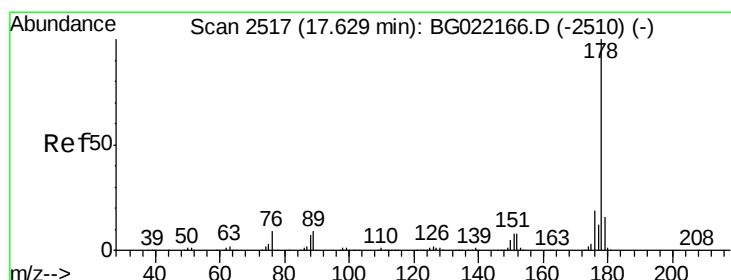
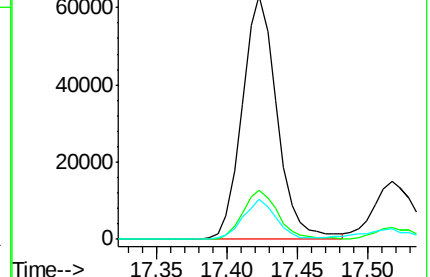
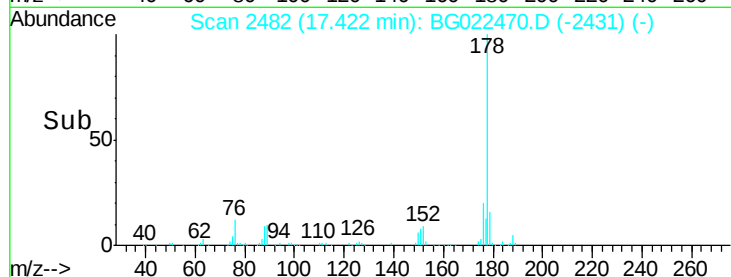
179 16.3 12.0 18.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 2.62 ng

RT: 17.52 min Scan# 2498

Delta R.T. 0.00 min

Lab File: BG022470.D

Acq: 21 Jun 2016 17:33

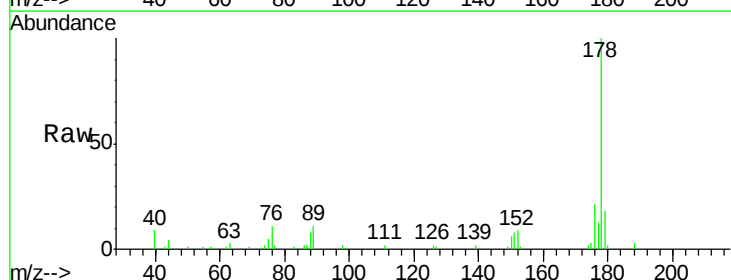
Tgt Ion:178 Resp: 27193

Ion Ratio Lower Upper

178 100

176 21.1 15.0 22.4

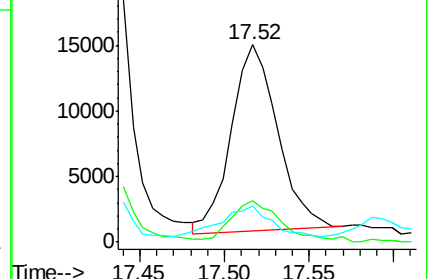
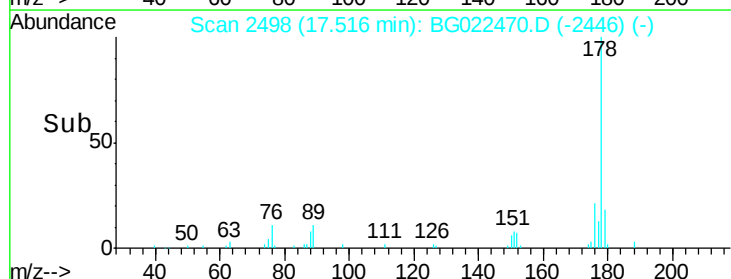
179 18.3 12.2 18.4

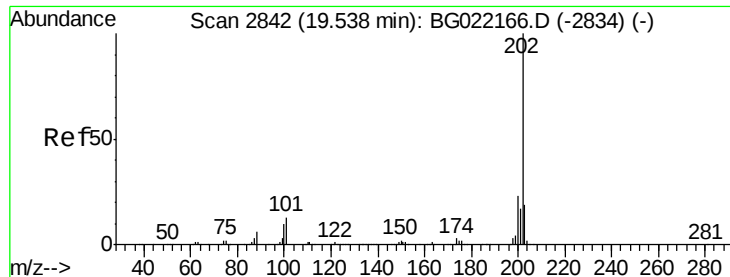


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 17.36 ng

RT: 19.43 min Scan# 2824

Delta R.T. 0.00 min

Lab File: BG022470.D

Acq: 21 Jun 2016 17:33

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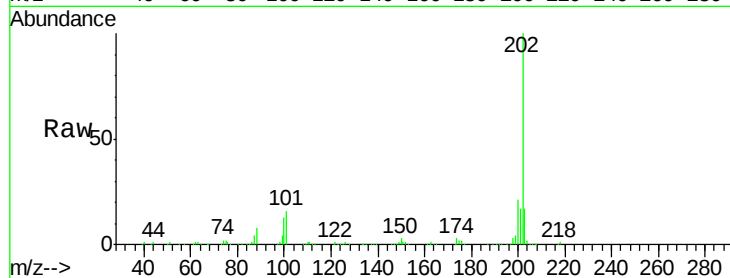
Tot Ion:202 Resp: 208870

Ion Ratio Lower Upper

202 100

101 15.6 0.0 31.0

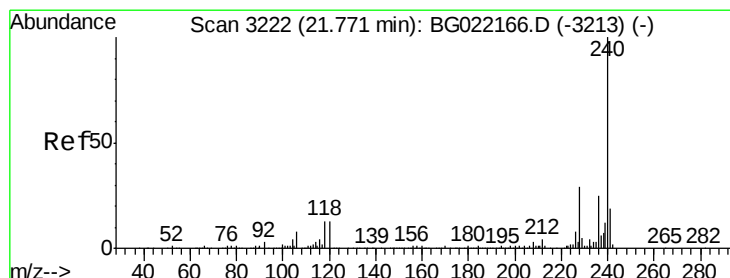
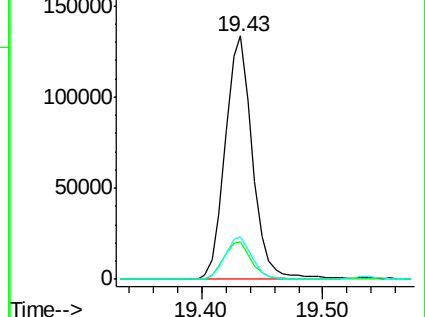
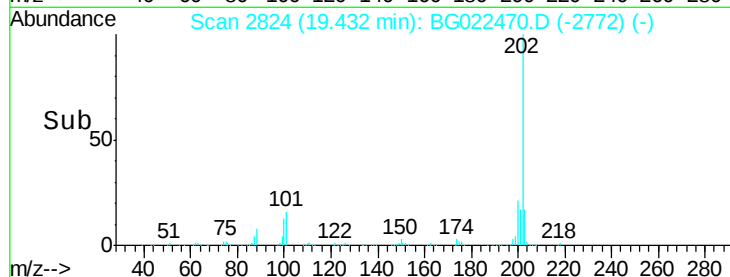
203 17.5 0.0 37.9



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.64 min Scan# 3200

Delta R.T. 0.00 min

Lab File: BG022470.D

Acq: 21 Jun 2016 17:33

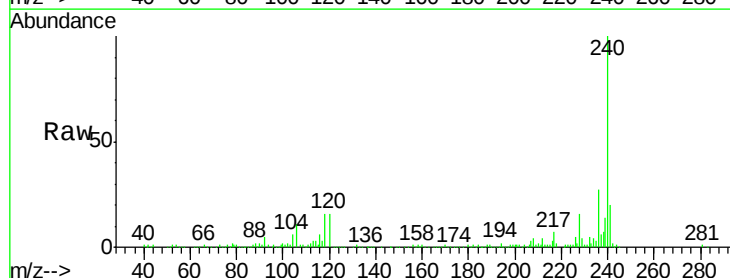
Tgt Ion:240 Resp: 162700

Ion Ratio Lower Upper

240 100

120 15.7 8.4 12.6#

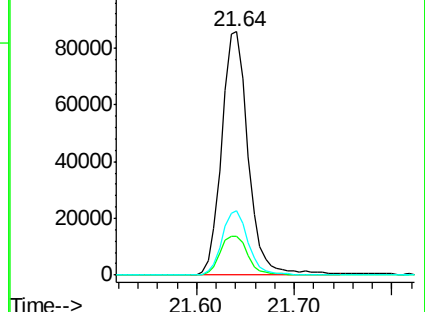
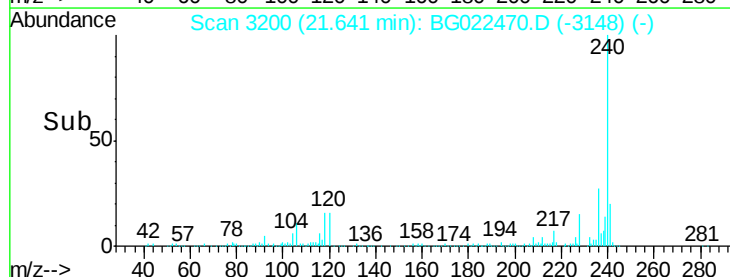
236 26.6 19.6 29.4

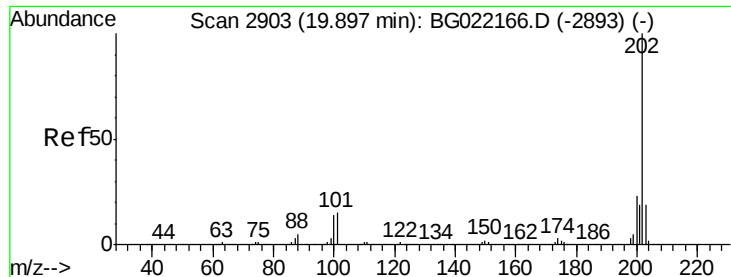


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 16.56 ng

RT: 19.79 min Scan# 2885

Delta R.T. -0.00 min

Lab File: BG022470.D

Acq: 21 Jun 2016 17:33

Instrument :

BNA_G

ClientSampleId :

HF-4-WC-3RE

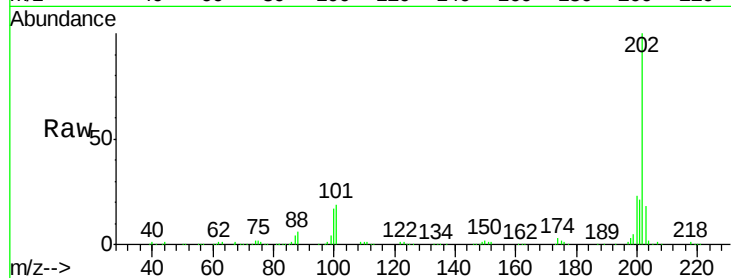
Tot Ion:202 Resp: 167454

Ion Ratio Lower Upper

202 100

200 22.6 18.2 27.2

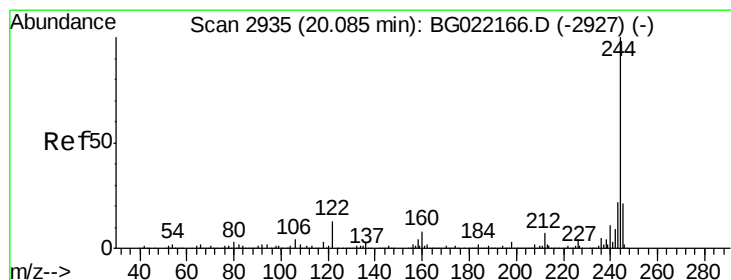
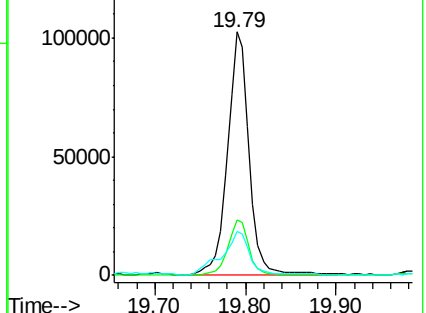
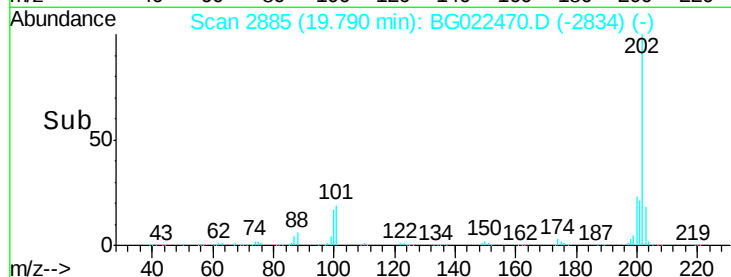
203 18.0 15.0 22.4



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 80.57 ng

RT: 19.98 min Scan# 2917

Delta R.T. -0.00 min

Lab File: BG022470.D

Acq: 21 Jun 2016 17:33

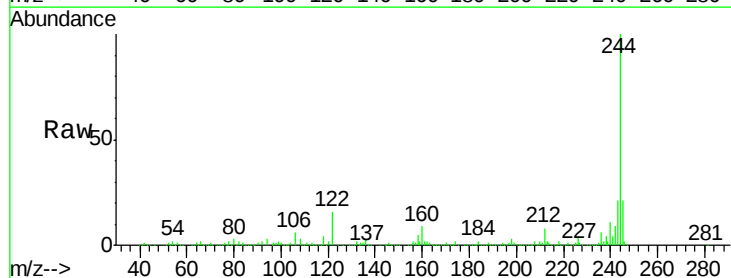
Tgt Ion:244 Resp: 552159

Ion Ratio Lower Upper

244 100

212 8.2 6.5 9.7

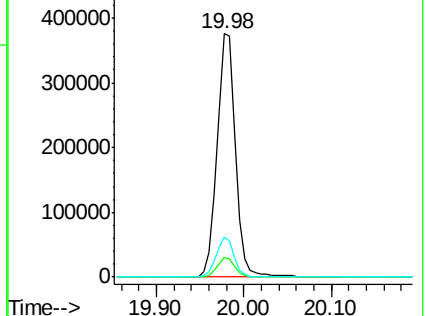
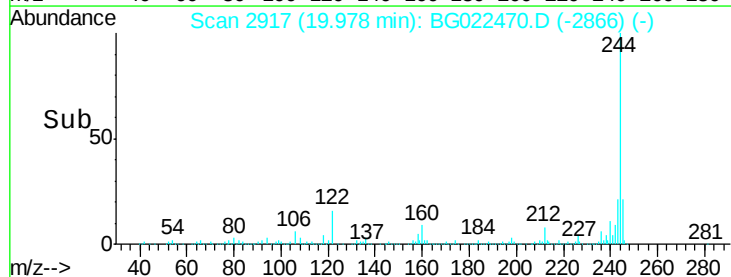
122 16.5 8.6 12.8#

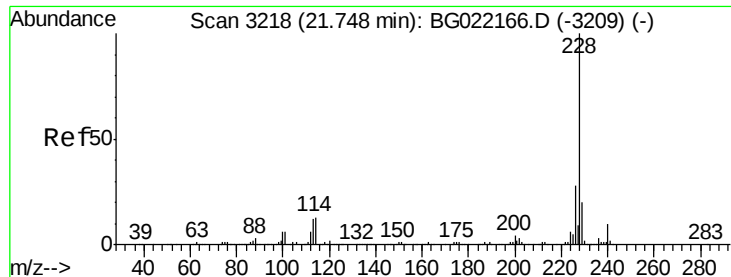


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

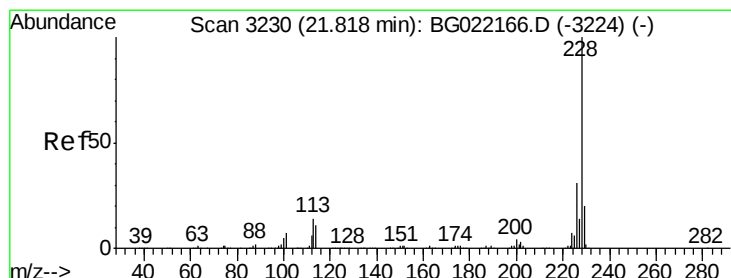
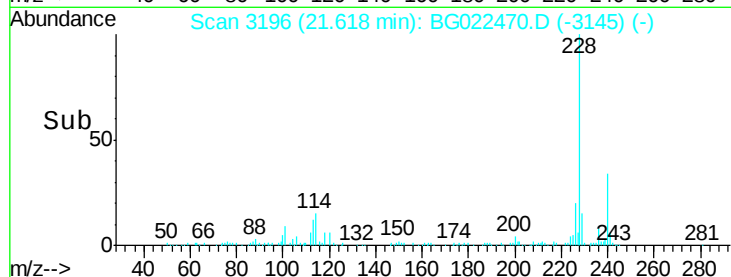
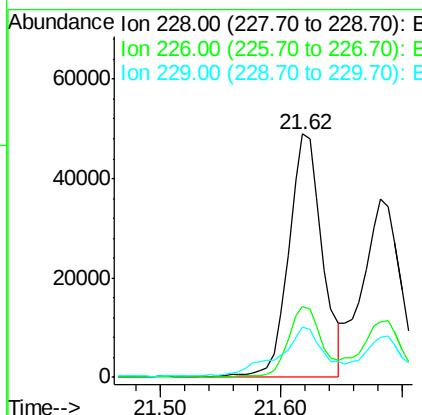
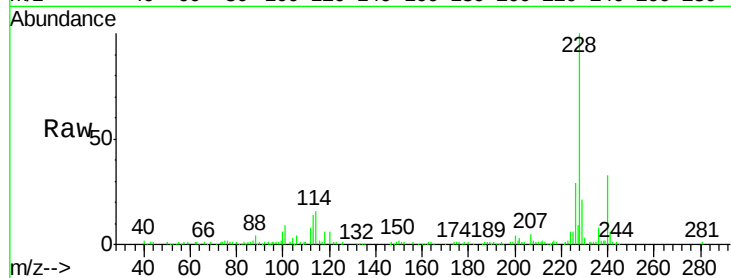




#80
Benzo(a)anthracene
Concen: 10.36 ng
RT: 21.62 min Scan# 3196
Delta R.T. -0.00 min
Lab File: BG022470.D
Acq: 21 Jun 2016 17:33

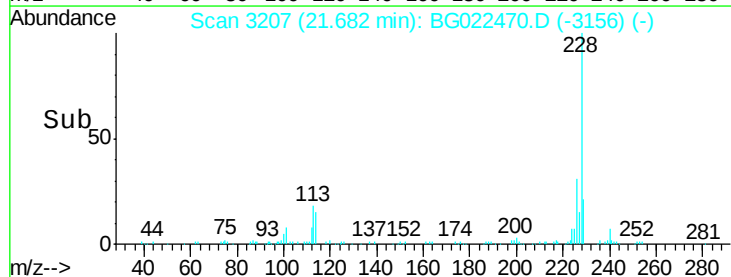
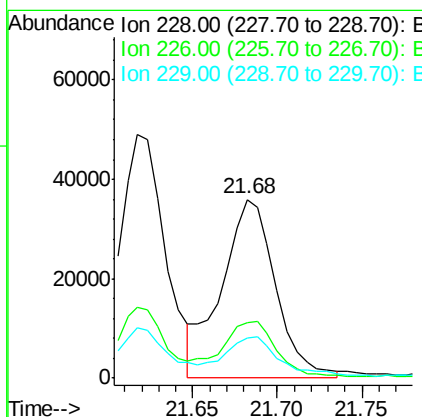
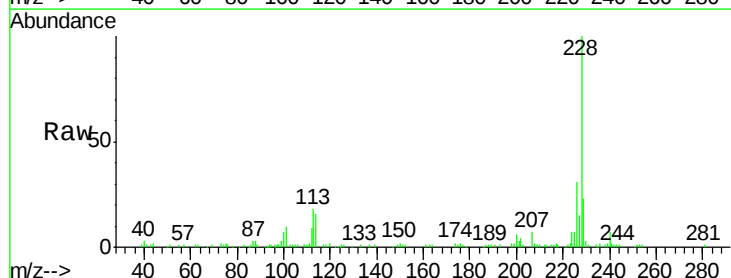
Instrument :
BNA_G
ClientSampleId :
HF-4-WC-3RE

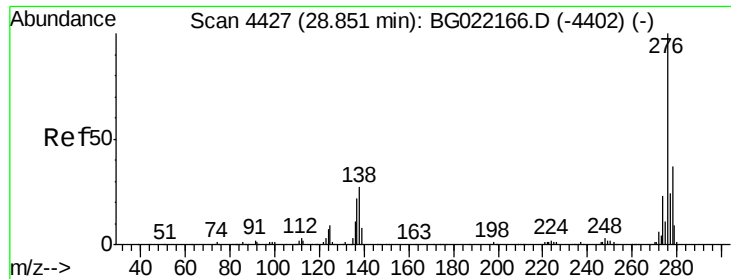
Tot Ion:228 Resp: 94533
Ion Ratio Lower Upper
228 100
226 29.0 22.6 34.0
229 20.7 16.1 24.1



#82
Chrysene
Concen: 9.03 ng m
RT: 21.68 min Scan# 3207
Delta R.T. -0.00 min
Lab File: BG022470.D
Acq: 21 Jun 2016 17:33

Tgt Ion:228 Resp: 80132
Ion Ratio Lower Upper
228 100
226 30.7 25.4 38.0
229 22.6 15.9 23.9

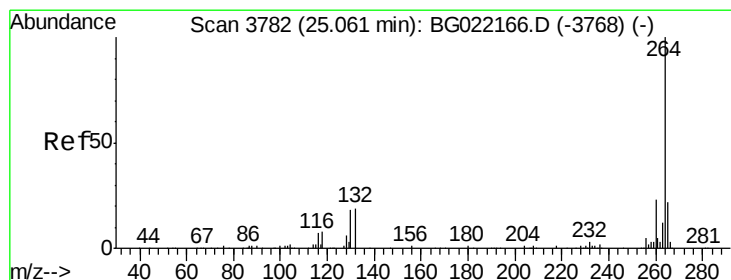
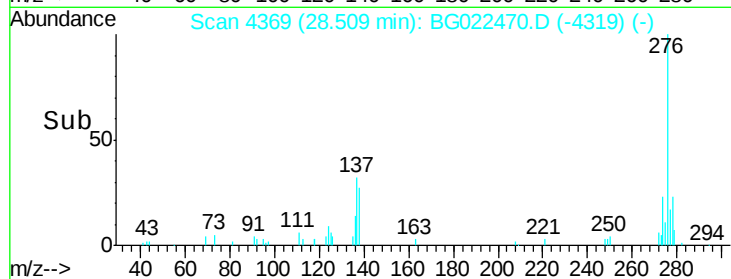
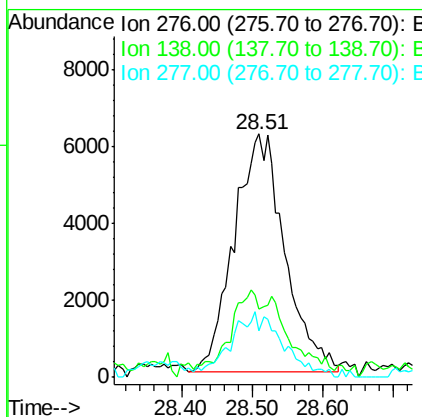
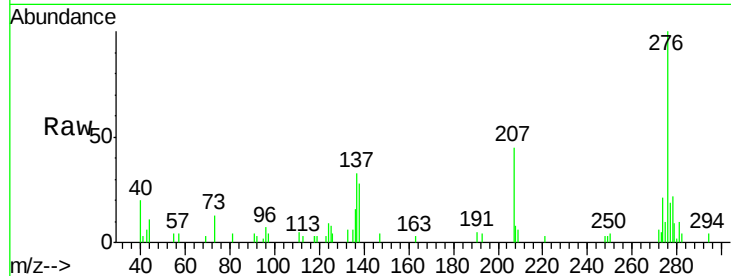




#85
Indeno(1,2,3-cd)pyrene
Concen: 3.10 ng
RT: 28.51 min Scan# 4369
Delta R.T. -0.01 min
Lab File: BG022470.D
Acq: 21 Jun 2016 17:33

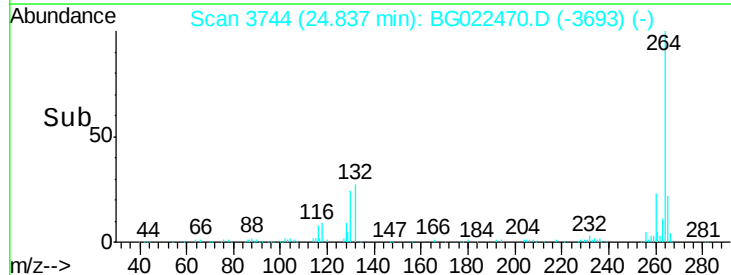
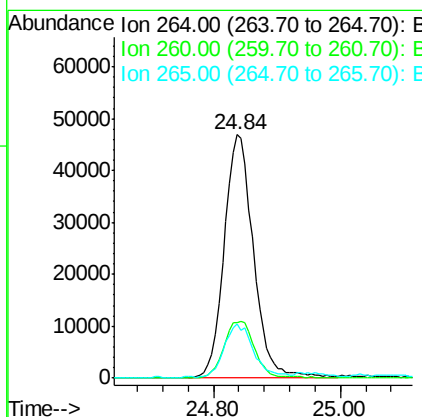
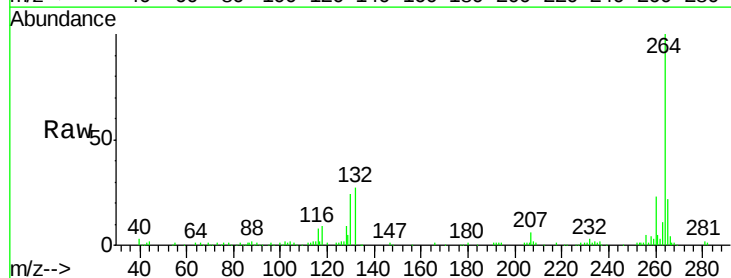
Instrument :
BNA_G
ClientSampleId :
HF-4-WC-3RE

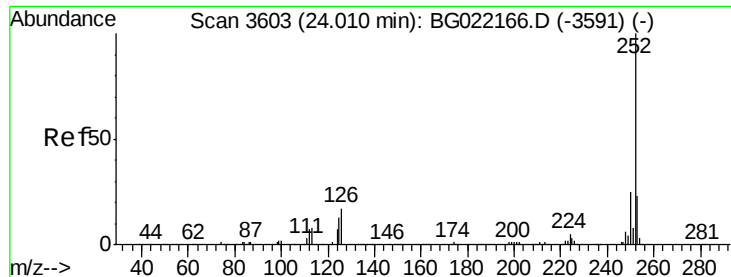
Tot Ion:276 Resp: 30832
Ion Ratio Lower Upper
276 100
138 17.5 14.0 21.0
277 12.8 20.6 30.8#



#86
Perylene-d12
Concen: 20.00 ng
RT: 24.84 min Scan# 3744
Delta R.T. -0.00 min
Lab File: BG022470.D
Acq: 21 Jun 2016 17:33

Tgt Ion:264 Resp: 150483
Ion Ratio Lower Upper
264 100
260 22.9 20.2 30.4
265 22.4 17.8 26.8





#87

Benzo(b)fluoranthene

Concen: 10.27 ng

RT: 23.82 min Scan# 3571

Delta R.T. -0.00 min

Lab File: BG022470.D

Acq: 21 Jun 2016 17:33

Instrument :

BNA_G

ClientSampleId :

HF-4-WC-3RE

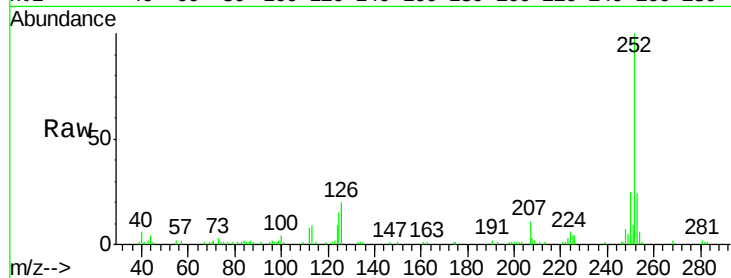
Tot Ion:252 Resp: 90120

Ion Ratio Lower Upper

252 100

253 24.1 17.5 26.3

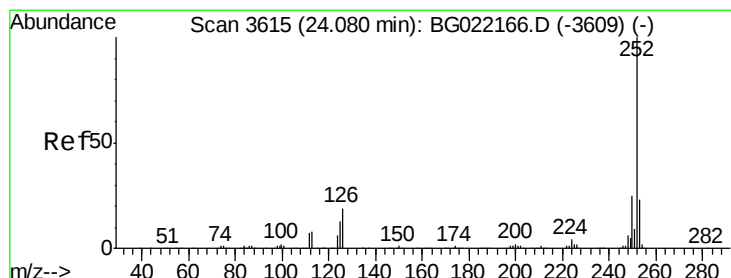
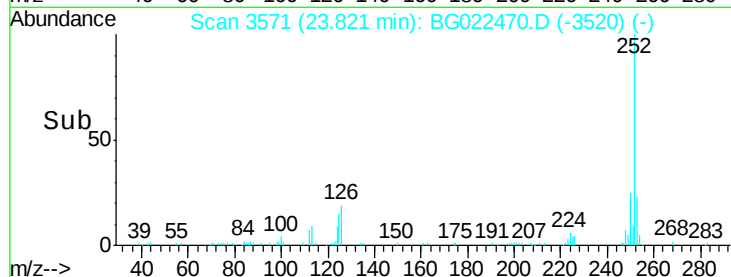
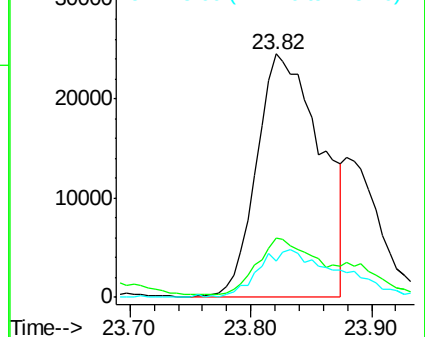
125 15.0 8.6 13.0#



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



#88

Benzo(k)fluoranthene

Concen: 3.43 ng m

RT: 23.88 min Scan# 3581

Delta R.T. -0.01 min

Lab File: BG022470.D

Acq: 21 Jun 2016 17:33

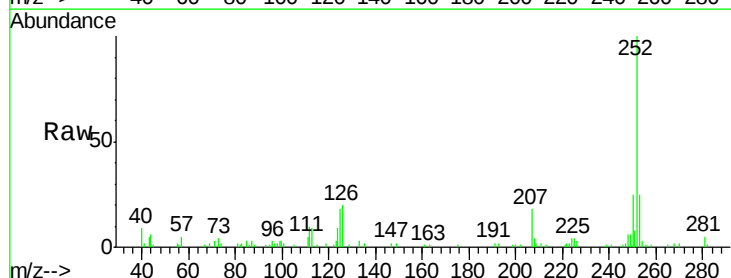
Tgt Ion:252 Resp: 29608

Ion Ratio Lower Upper

252 100

253 25.1 17.8 26.8

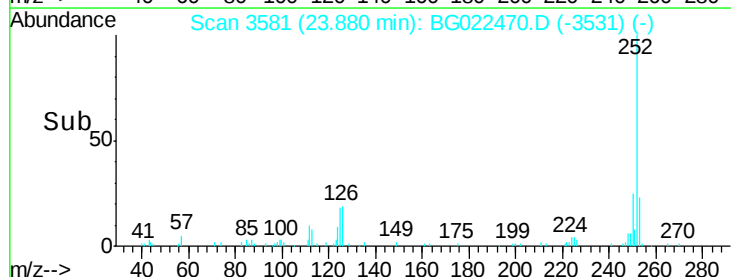
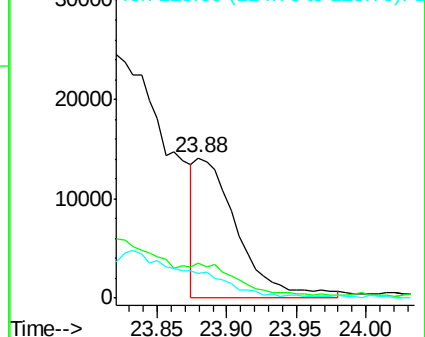
125 17.7 8.3 12.5#

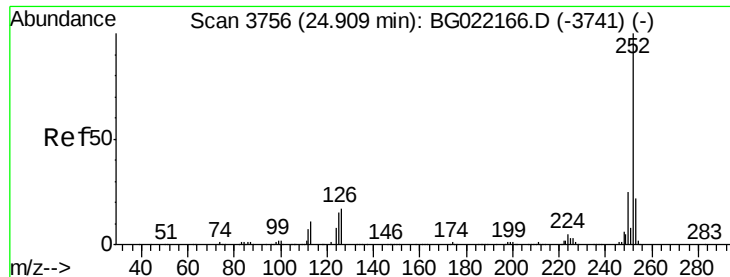


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 7.05 ng

RT: 24.69 min Scan# 3719

Delta R.T. -0.00 min

Lab File: BG022470.D

Acq: 21 Jun 2016 17:33

Instrument :

BNA_G

ClientSampleId :

HF-4-WC-3RE

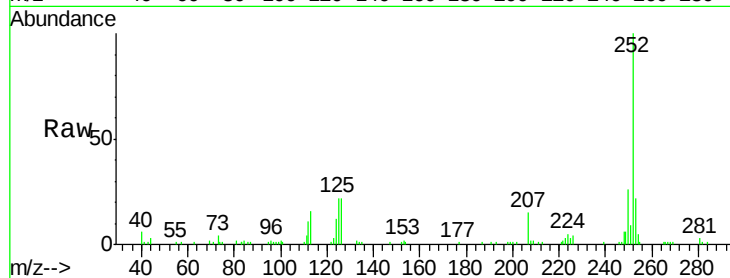
Tot Ion:252 Resp: 59148

Ion Ratio Lower Upper

252 100

253 22.3 17.1 25.7

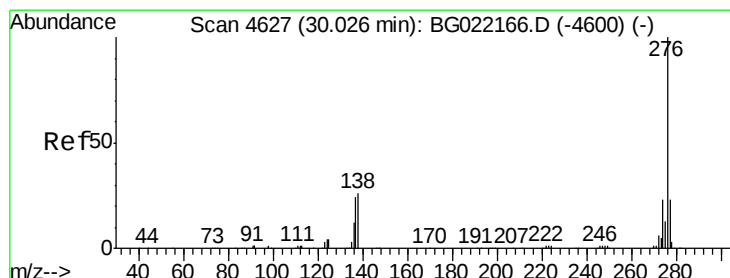
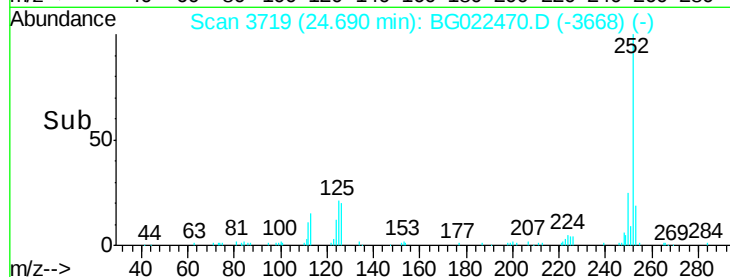
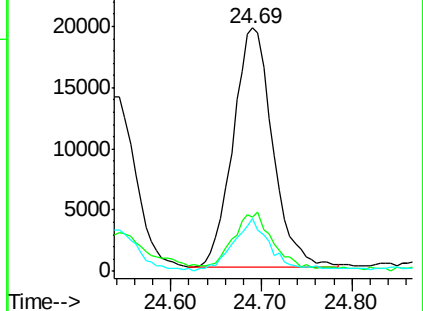
125 21.8 9.6 14.4#



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(g,h,i)perylene

Concen: 3.91 ng m

RT: 29.66 min Scan# 4565

Delta R.T. 0.01 min

Lab File: BG022470.D

Acq: 21 Jun 2016 17:33

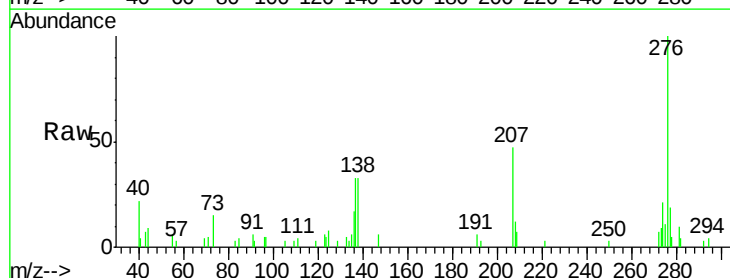
Tgt Ion:276 Resp: 32117

Ion Ratio Lower Upper

276 100

277 18.6 19.4 29.2#

138 32.8 17.4 26.0#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

