

Data Path : Z:\HPCHEM1\BNA G\DATA\BG020416\
 Data File : BG020785.D
 Acq On : 4 Feb 2016 13:53
 Operator : SJ/IZ
 Sample : H1334-17 5X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BBG14

Quant Time: Feb 05 04:35:52 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG012716.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Feb 05 04:10:17 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.28	152	20442	20.00	ng/ul	0.00
18) Naphthalene-d8	11.10	136	100146	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.89	164	59545	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.62	188	119891	20.00	ng/ul	0.00
78) Chrysene-d12	21.90	240	108544	20.00	ng/ul	0.00
86) Perylene-d12	25.28	264	102002	20.00	ng/ul	0.00

System Monitoring Compounds

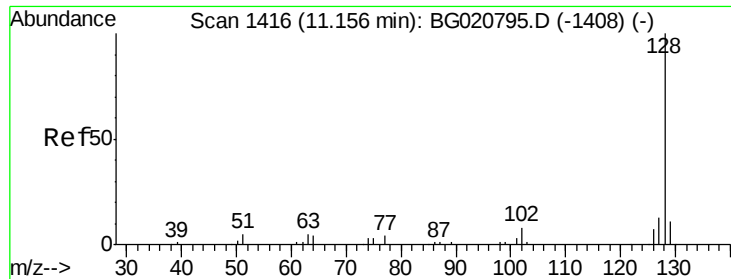
3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	7.41	99	5157	2.46	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.58	67	3219	2.95	ng/ul	0.00
9) 2-Chlorophenol-d4	7.80	132	4356	2.77	ng/ul	0.00
13) 4-Methylphenol-d8	8.97	113	4143	2.30	ng/ul	0.00
19) Nitrobenzene-d5	9.44	128	1939	3.17	ng/ul	0.00
22) 2-Nitrophenol-d4	10.17	143	1430	2.67	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.70	165	4201	2.87	ng/ul	0.00
29) 4-Chloroaniline-d4	11.22	131	1864	0.91	ng/ul	0.00
44) Dimethylphthalate-d6	14.28	166	15528	3.05	ng/ul	0.00
47) Acenaphthylene-d8	14.58	160	20780	3.35	ng/ul	0.00
52) 4-Nitrophenol-d4	15.04	143	1170	1.30	ng/ul	-0.01
58) Fluorene-d10	15.87	176	14463	3.25	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.97	200	649	1.64	ng/ul	0.00
71) Anthracene-d10	17.72	188	20152	3.42	ng/ul	0.00
79) Pyrene-d10	19.98	212	20017	3.40	ng/ul	0.00
90) Benzo(a)pyrene-d12	25.04	264	19183	3.51	ng/ul	0.00

Target Compounds

						Ovalue
28) Naphthalene	11.15	128	17318	3.10	ng/ul	97
34) 2-Methylnaphthalene	12.74	142	5856	1.36	ng/ul	97
50) Acenaphthene	14.95	153	32790	6.88	ng/ul	100
54) Dibenzofuran	15.27	168	29201	4.69	ng/ul	91
59) Fluorene	15.93	166	39597	7.27	ng/ul	94
70) Phenanthrene	17.67	178	467749	62.13	ng/ul	97
72) Anthracene	17.75	178	116032	15.41	ng/ul	98
75) Carbazole	18.01	167	56288	8.43	ng/ul	96
77) Fluoranthene	19.66	202	525673	67.96	ng/ul#	80
80) Pyrene	20.01	202	418458	50.99	ng/ul#	74
83) Benzo(a)anthracene	21.88	228	204247	29.21	ng/ul	98
85) Chrysene	21.95	228	166958	25.71	ng/ul	95
88) Benzo(b)fluoranthene	24.20	252	216252	32.36	ng/ul#	90
89) Benzo(k)fluoranthene	24.27	252	61547	9.40	ng/ul#	88
91) Benzo(a)pyrene	25.12	252	150583	23.55	ng/ul#	90
92) Indeno(1,2,3-cd)pyrene	29.14	276	94717	12.67	ng/ul#	82
93) Dibenzo(a,h)anthracene	29.20	278	23711	3.84	ng/ul#	82
94) Benzo(g,h,i)perylene	30.36	276	82133	13.39	ng/ul#	82

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

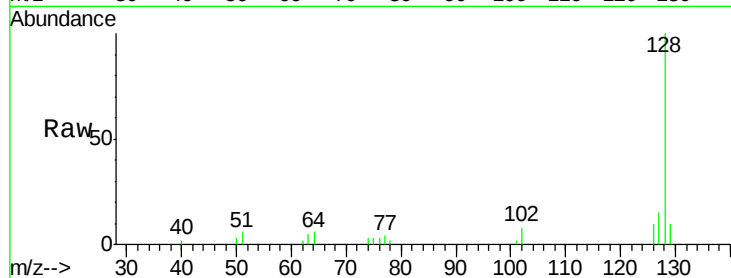
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Data Path : Z:\HPCHEM1\BNA G\DATA\BG020416\  
Data File : BG020785.D  
Acq On    : 4 Feb 2016 13:53  
Operator  : SJ/IZ  
Sample    : H1334-17 5X  
Misc      :  
ALS Vial  : 5 Sample Multiplier: 1
```



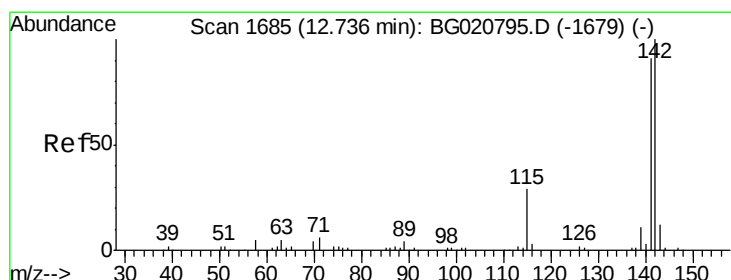
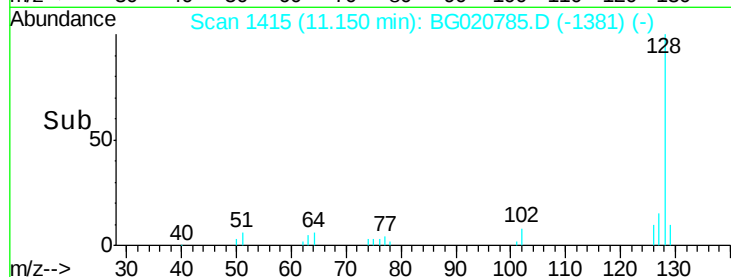
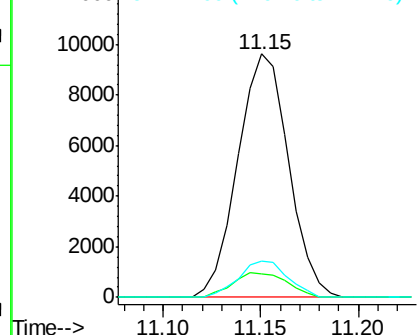
#28
Naphthalene
Concen: 3.10 ng/ul
RT: 11.15 min Scan# 1415
Delta R.T. 0.00 min
Lab File: BG020785.D
Acq: 4 Feb 2016 13:53

Instrument :
BNA_G
ClientSampleId :
BBG14

Tot Ion:128 Resp: 17318
Ion Ratio Lower Upper
128 100
129 9.6 8.3 12.5
127 14.7 10.8 16.2

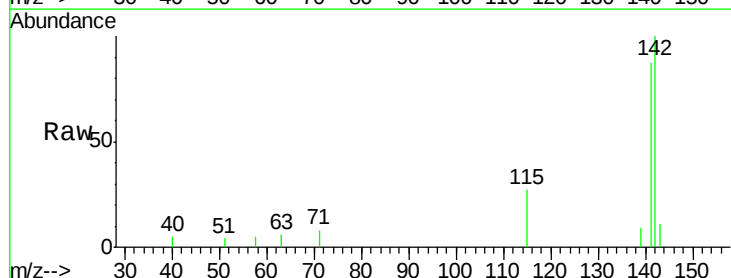


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

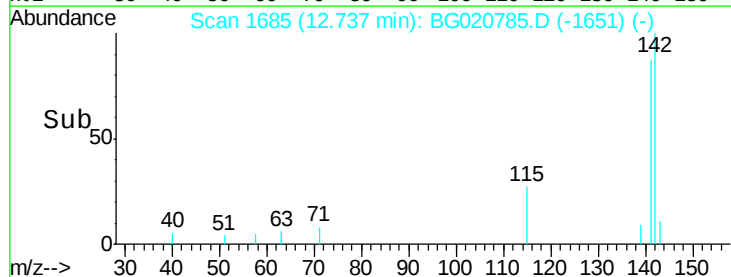
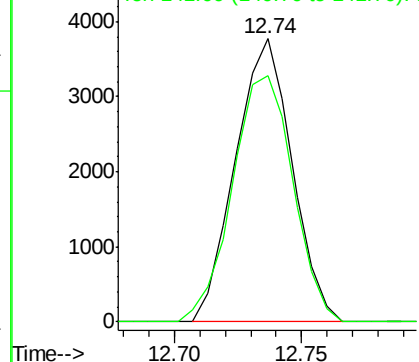


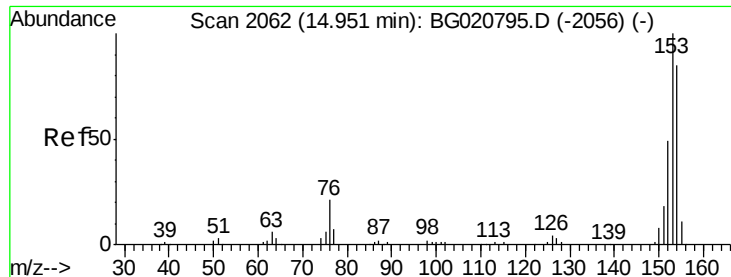
#34
2-Methylnaphthalene
Concen: 1.36 ng/ul
RT: 12.74 min Scan# 1685
Delta R.T. 0.00 min
Lab File: BG020785.D
Acq: 4 Feb 2016 13:53

Tgt Ion:142 Resp: 5856
Ion Ratio Lower Upper
142 100
141 86.9 71.4 107.2



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E





#50

Acenaphthene

Concen: 6.88 ng/ul

RT: 14.95 min Scan# 2061

Delta R.T. -0.00 min

Lab File: BG020785.D

Acq: 4 Feb 2016 13:53

Instrument :

BNA_G

ClientSampleId :

BBG14

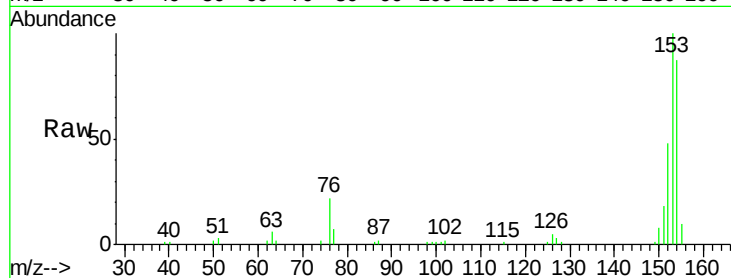
Tot Ion:153 Resp: 32790

Ion Ratio Lower Upper

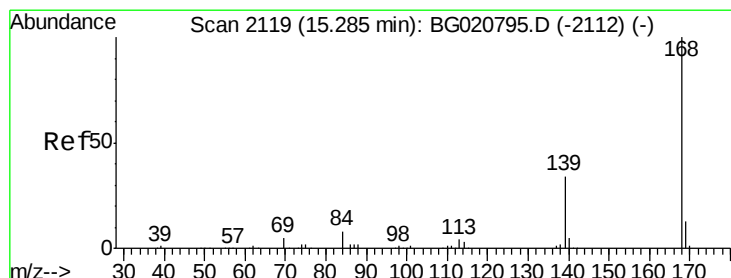
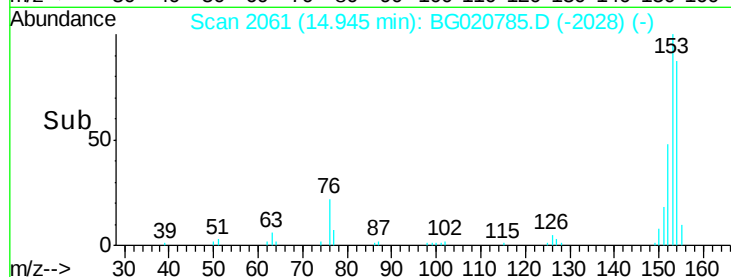
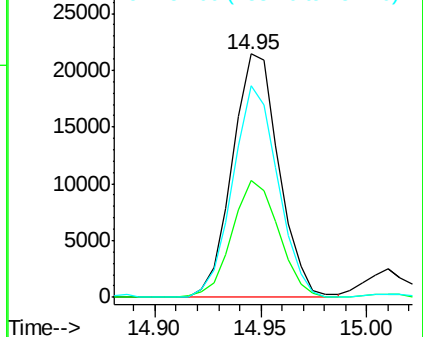
153 100

152 47.9 37.9 56.9

154 87.0 69.8 104.6



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



#54

Dibenzofuran

Concen: 4.69 ng/ul

RT: 15.27 min Scan# 2117

Delta R.T. -0.00 min

Lab File: BG020785.D

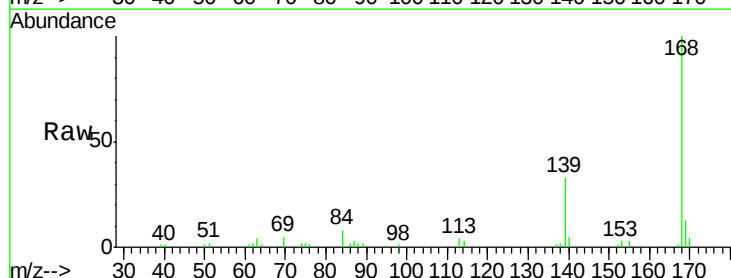
Acq: 4 Feb 2016 13:53

Tgt Ion:168 Resp: 29201

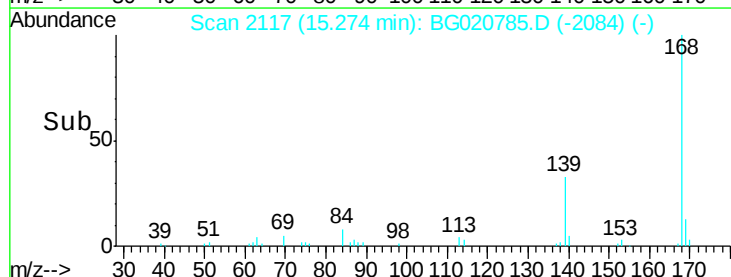
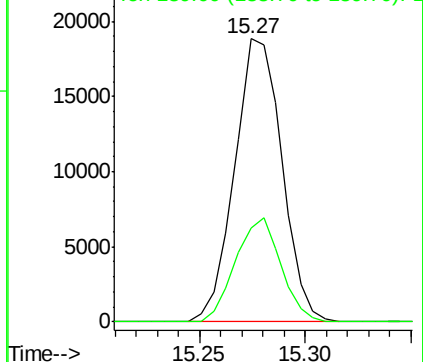
Ion Ratio Lower Upper

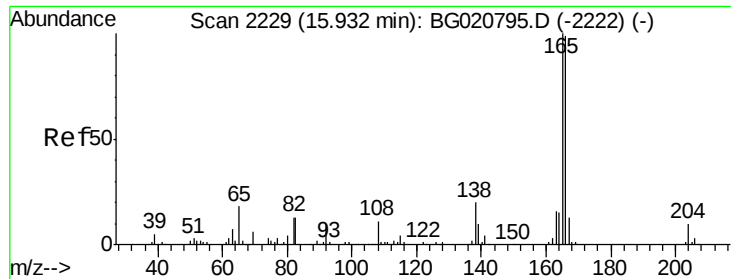
168 100

139 33.0 31.0 46.4



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E

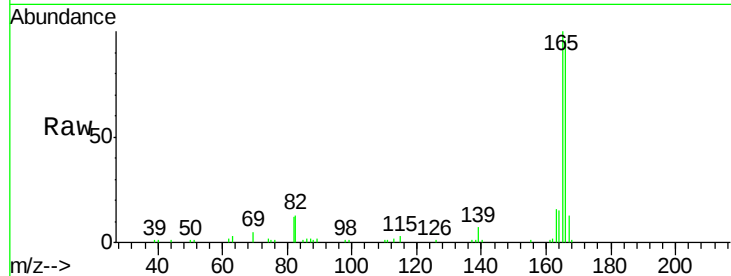




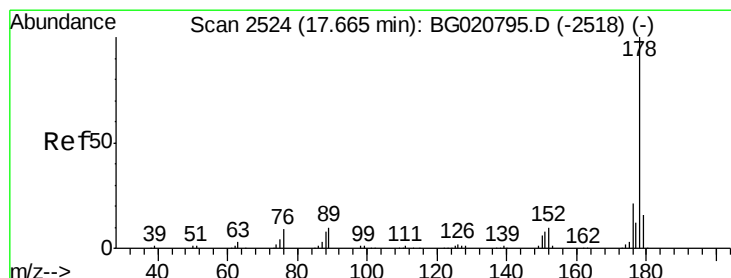
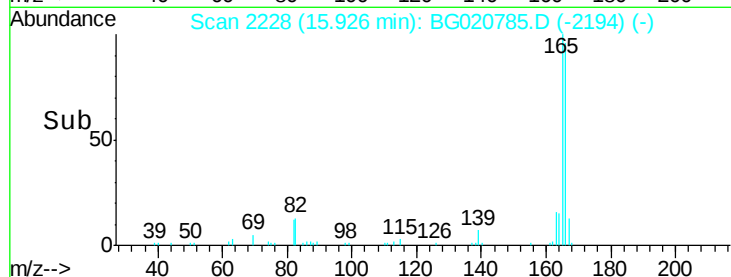
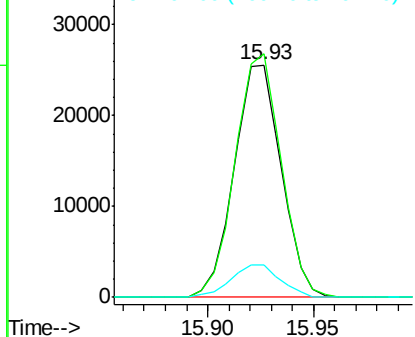
#59
 Fluorene
 Concen: 7.27 ng/ul
 RT: 15.93 min Scan# 2228
 Delta R.T. 0.00 min
 Lab File: BG020785.D
 Acq: 4 Feb 2016 13:53

Instrument :
 BNA_G
 ClientSampleId :
 BBG14

Tot Ion:166 Resp: 39597
 Ion Ratio Lower Upper
 166 100
 165 104.7 78.4 117.6
 167 13.8 11.1 16.7

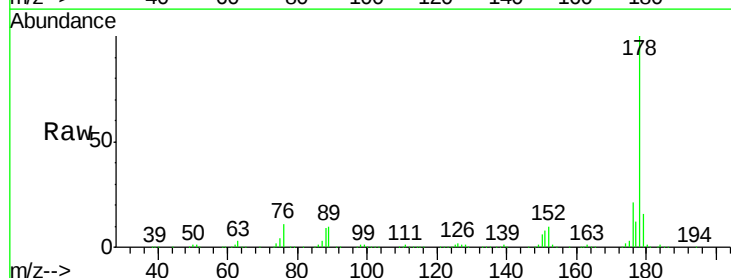


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

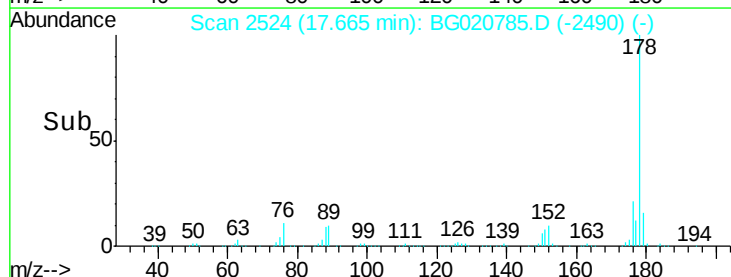
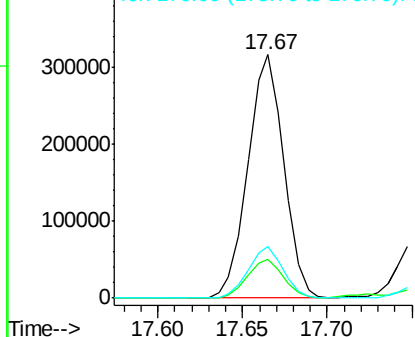


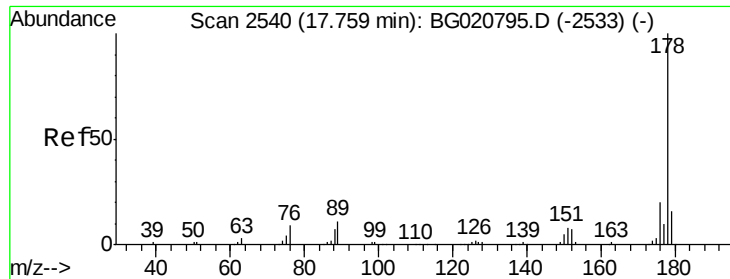
#70
 Phenanthrene
 Concen: 62.13 ng/ul
 RT: 17.67 min Scan# 2524
 Delta R.T. 0.00 min
 Lab File: BG020785.D
 Acq: 4 Feb 2016 13:53

Tgt Ion:178 Resp: 467749
 Ion Ratio Lower Upper
 178 100
 179 16.2 12.3 18.5
 176 21.0 15.4 23.0



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





#72

Anthracene

Concen: 15.41 ng/ul

RT: 17.75 min Scan# 2539

Delta R.T. 0.00 min

Lab File: BG020785.D

Acq: 4 Feb 2016 13:53

Instrument :

BNA_G

ClientSampleId :

BBG14

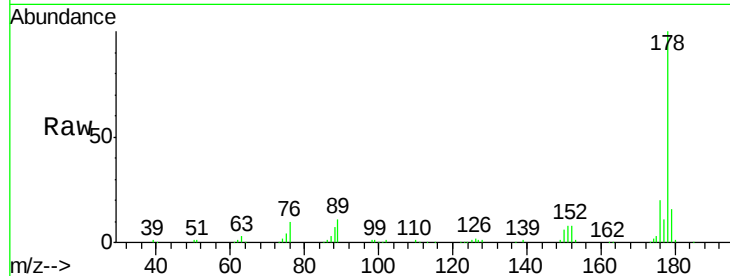
Tot Ion:178 Resp: 116032

Ion Ratio Lower Upper

178 100

179 16.1 13.4 20.2

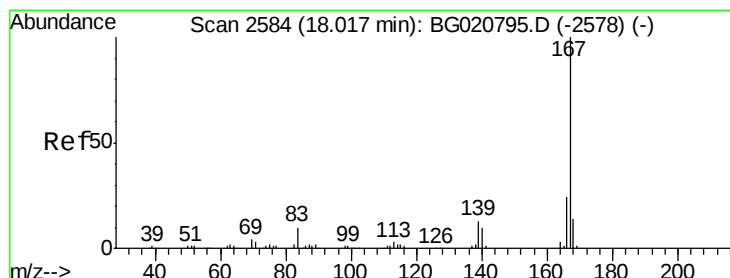
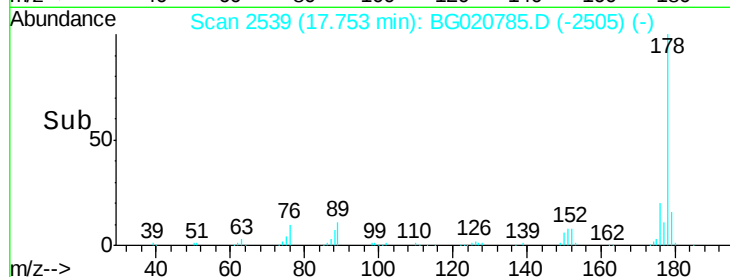
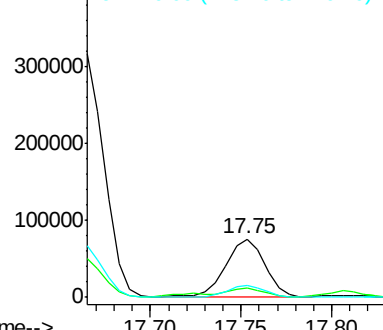
176 20.3 15.4 23.0



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



#75

Carbazole

Concen: 8.43 ng/ul

RT: 18.01 min Scan# 2583

Delta R.T. -0.00 min

Lab File: BG020785.D

Acq: 4 Feb 2016 13:53

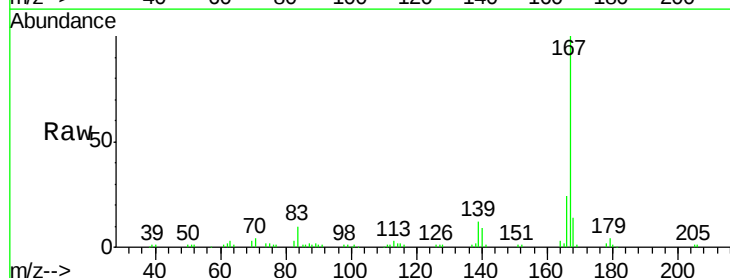
Tgt Ion:167 Resp: 56288

Ion Ratio Lower Upper

167 100

166 23.7 17.0 25.4

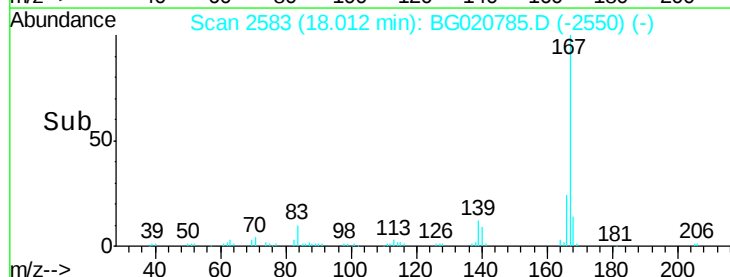
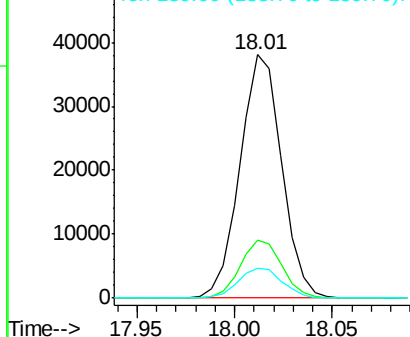
139 12.2 9.1 13.7

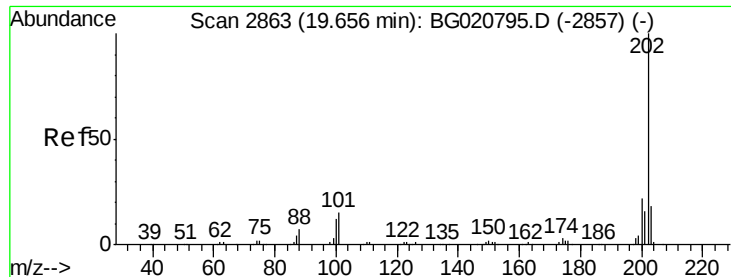


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#77

Fluoranthene

Concen: 67.96 ng/ul

RT: 19.66 min Scan# 2863

Delta R.T. 0.01 min

Lab File: BG020785.D

Acq: 4 Feb 2016 13:53

Instrument :

BNA_G

ClientSampleId :

BBG14

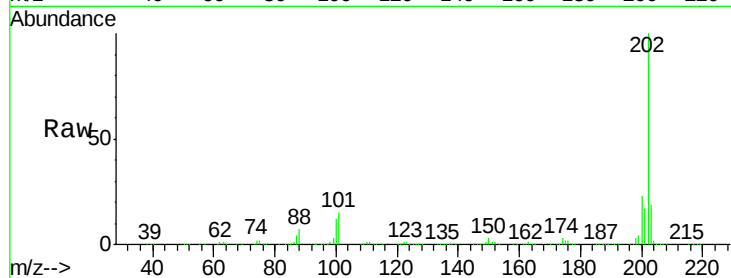
Tot Ion:202 Resp: 525673

Ion Ratio Lower Upper

202 100

101 15.0 6.1 9.1#

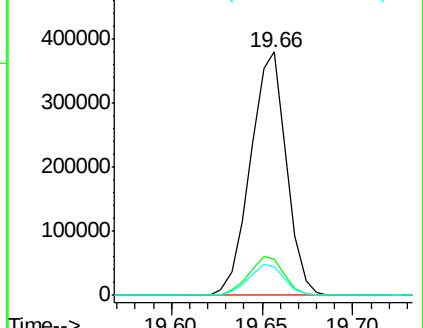
100 12.0 4.6 7.0#



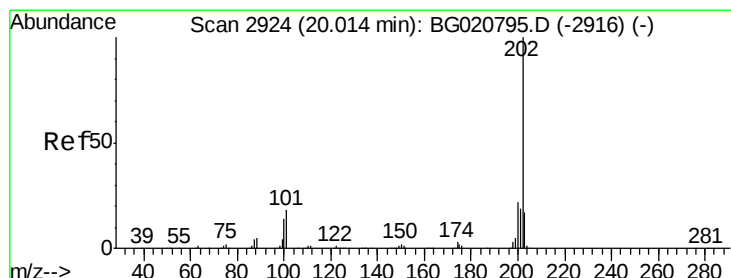
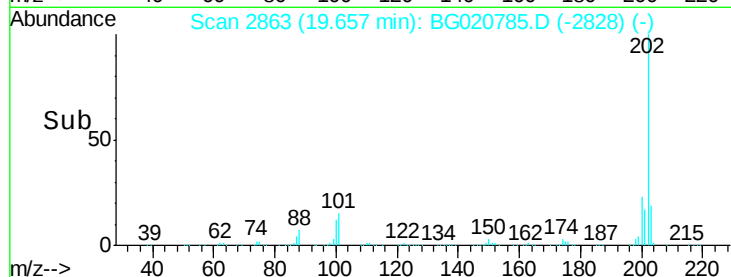
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



Time-->



#80

Pyrene

Concen: 50.99 ng/ul

RT: 20.01 min Scan# 2924

Delta R.T. 0.01 min

Lab File: BG020785.D

Acq: 4 Feb 2016 13:53

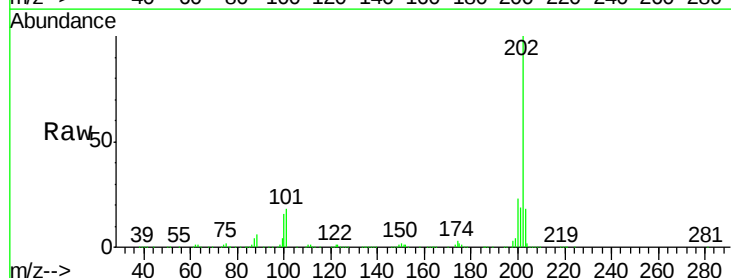
Tgt Ion:202 Resp: 418458

Ion Ratio Lower Upper

202 100

101 18.1 6.9 10.3#

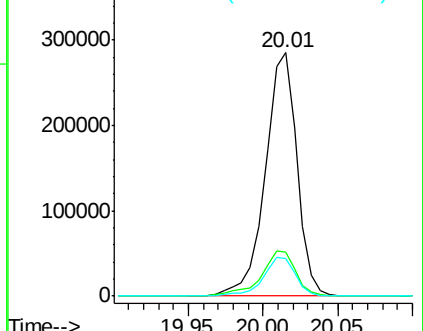
100 15.5 5.6 8.4#



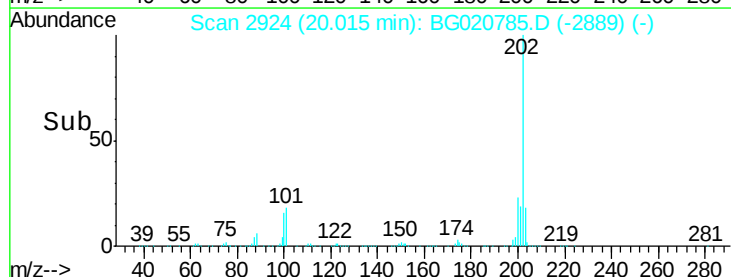
Abundance Ion 202.00 (201.70 to 202.70): E

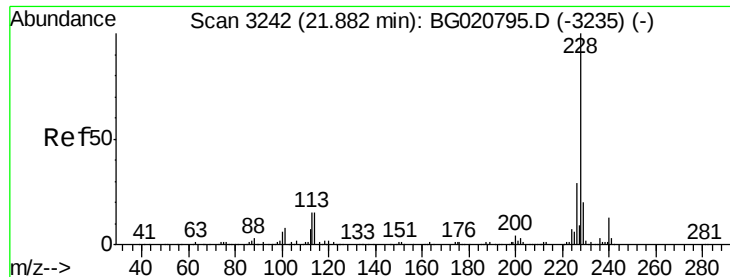
Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



Time-->

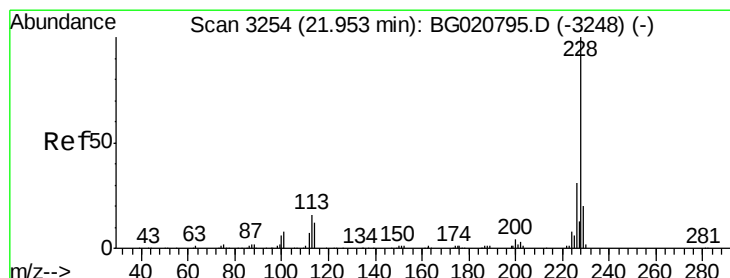
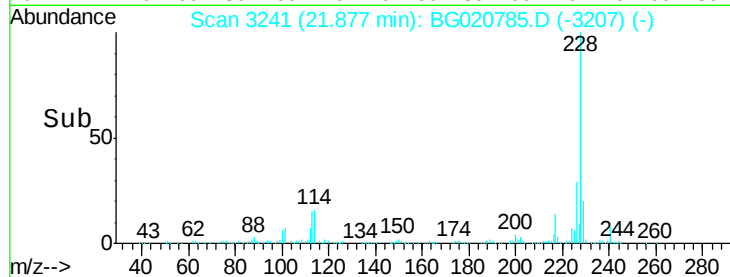
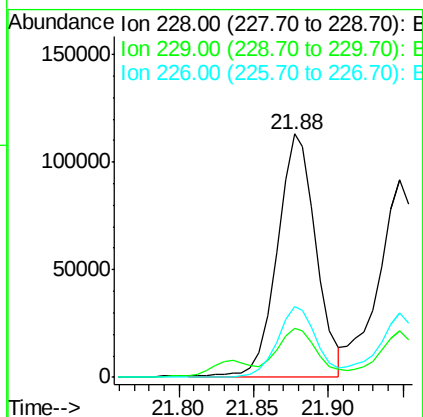
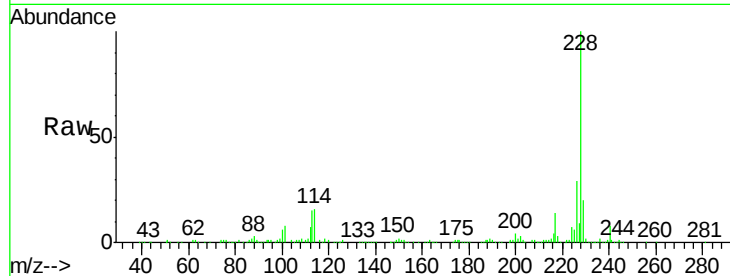




#83
Benzo(a)anthracene
Concen: 29.21 ng/ul
RT: 21.88 min Scan# 3241
Delta R.T. 0.00 min
Lab File: BG020785.D
Acq: 4 Feb 2016 13:53

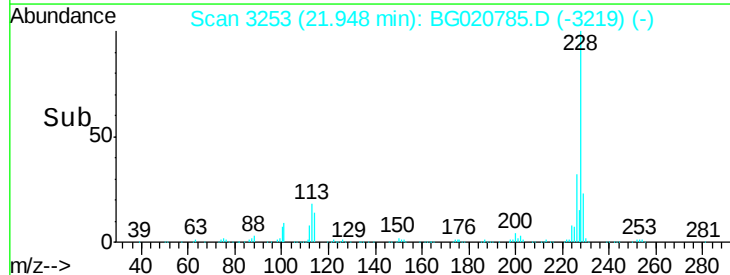
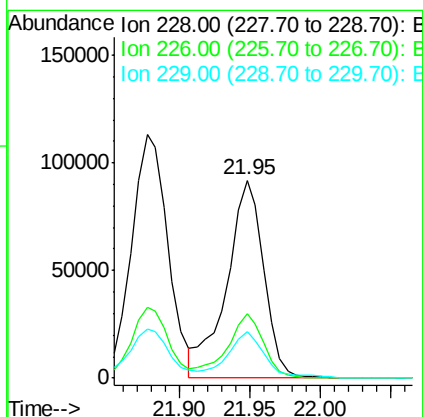
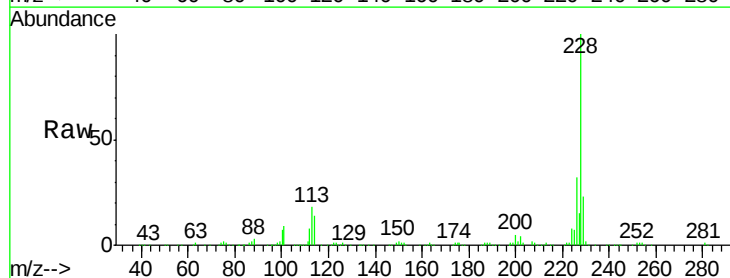
Instrument :
BNA_G
ClientSampleId :
BBG14

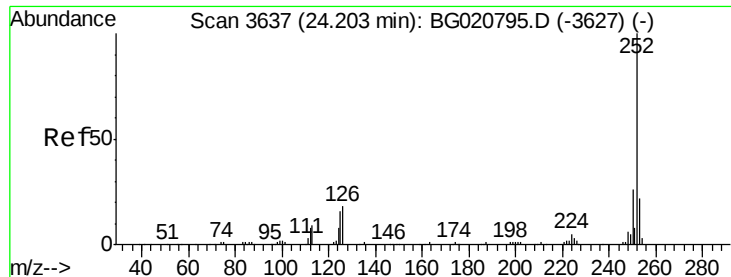
Tot Ion:228 Resp: 204247
Ion Ratio Lower Upper
228 100
229 20.0 16.0 24.0
226 29.1 21.8 32.8



#85
Chrysene
Concen: 25.71 ng/ul
RT: 21.95 min Scan# 3253
Delta R.T. 0.00 min
Lab File: BG020785.D
Acq: 4 Feb 2016 13:53

Tgt Ion:228 Resp: 166958
Ion Ratio Lower Upper
228 100
226 32.3 24.1 36.1
229 23.3 16.0 24.0





#88

Benzo(b)fluoranthene

Concen: 32.36 ng/ul

RT: 24.20 min Scan# 3637

Delta R.T. 0.01 min

Lab File: BG020785.D

Acq: 4 Feb 2016 13:53

Instrument :

BNA_G

ClientSampleId :

BBG14

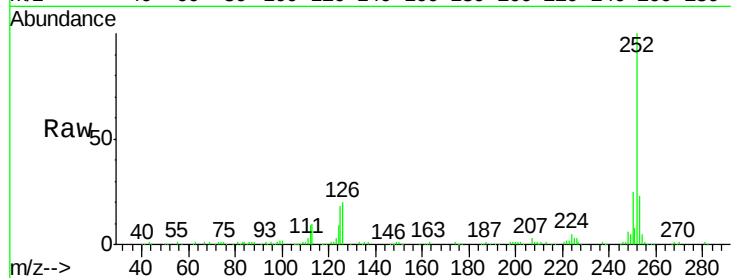
Tot Ion:252 Resp: 216252

Ion Ratio Lower Upper

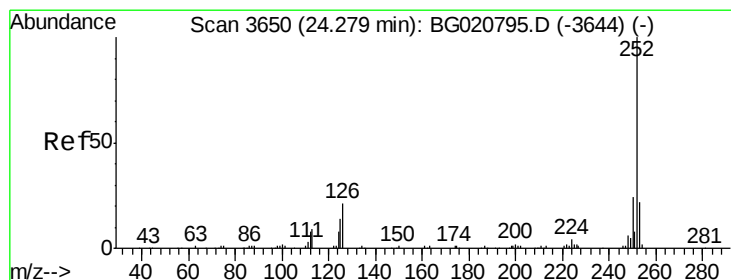
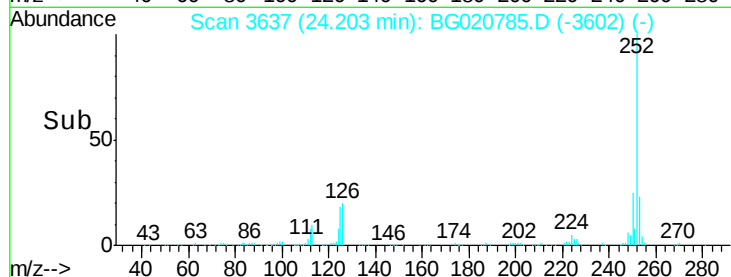
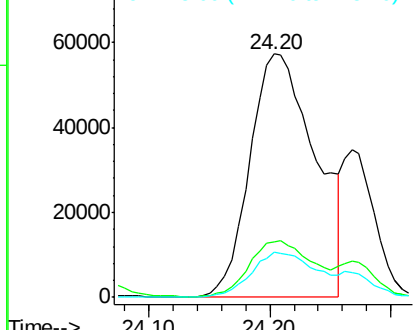
252 100

253 22.7 17.4 26.0

125 18.5 4.9 7.3#



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: 9.40 ng/ul

RT: 24.27 min Scan# 3648

Delta R.T. 0.00 min

Lab File: BG020785.D

Acq: 4 Feb 2016 13:53

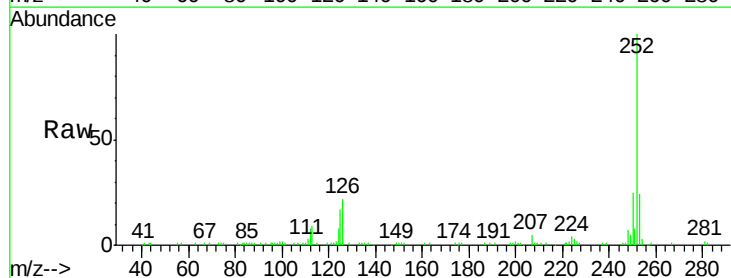
Tgt Ion:252 Resp: 61547

Ion Ratio Lower Upper

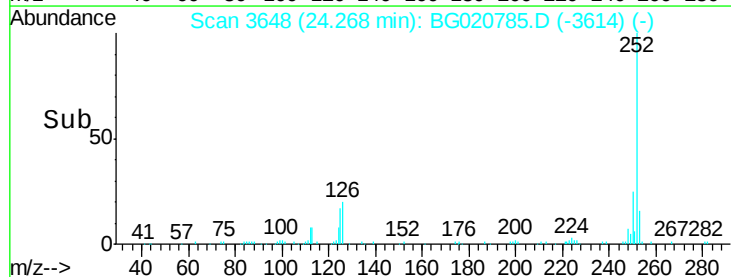
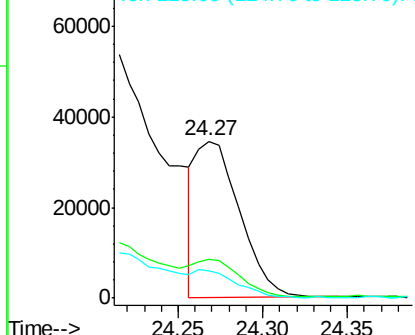
252 100

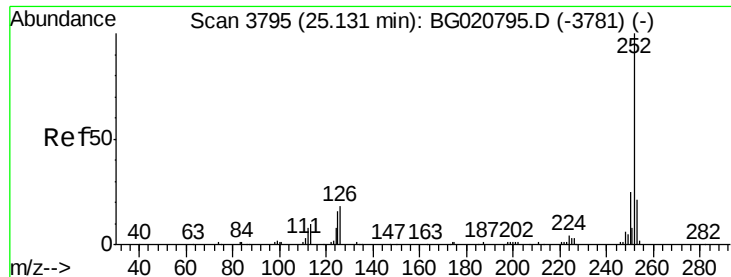
253 24.4 17.1 25.7

125 17.0 5.4 8.0#



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

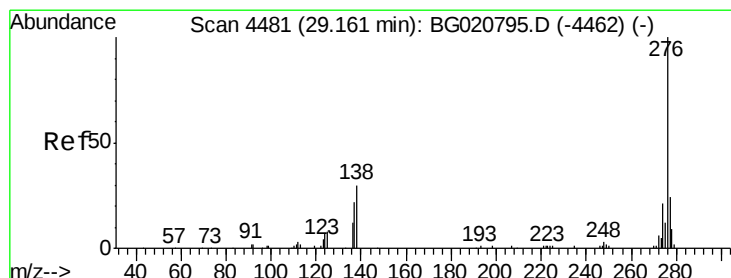
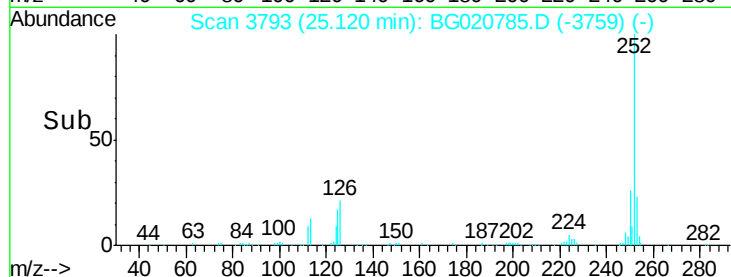
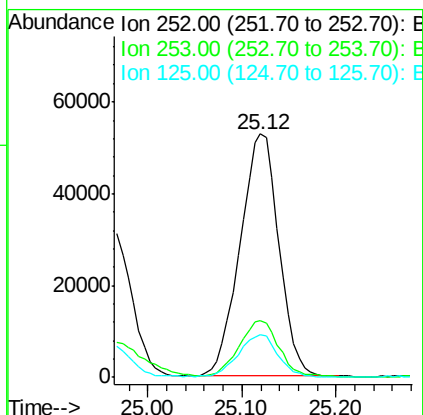
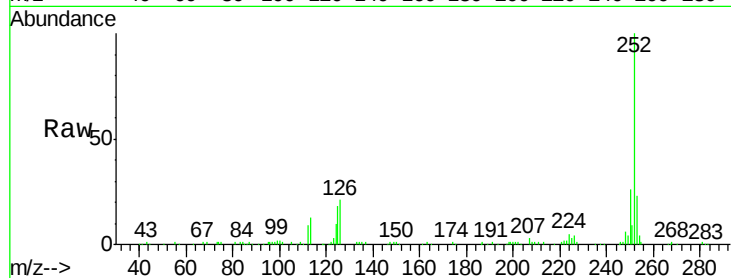




#91
Benzo(a)pyrene
Concen: 23.55 ng/ul
RT: 25.12 min Scan# 3793
Delta R.T. 0.00 min
Lab File: BG020785.D
Acq: 4 Feb 2016 13:53

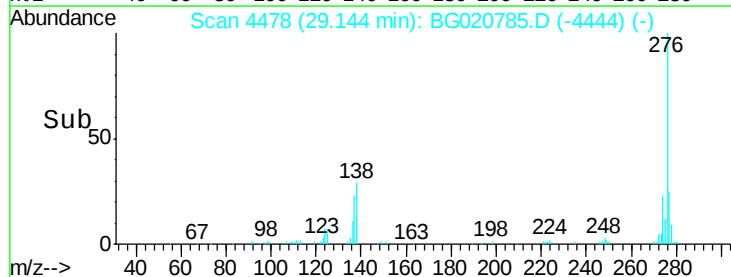
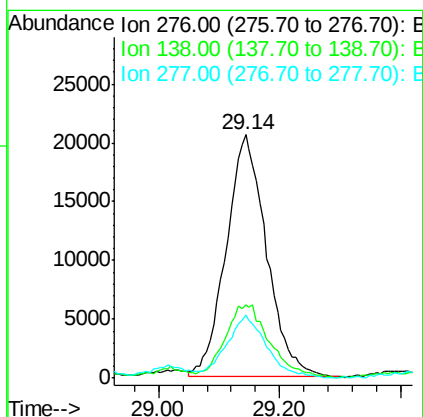
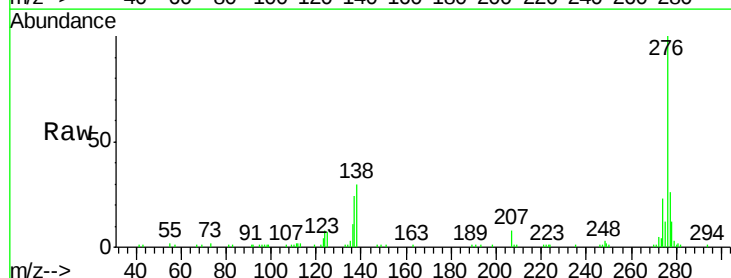
Instrument :
BNA_G
ClientSampleId :
BBG14

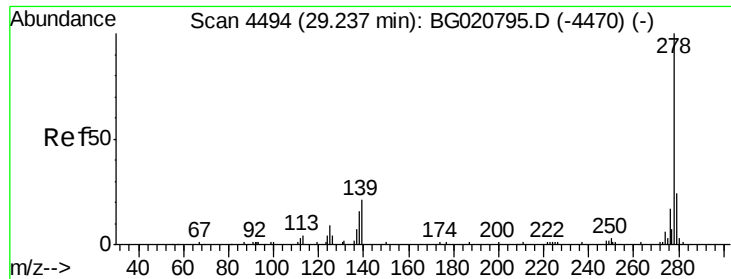
Tot Ion:252 Resp: 150583
Ion Ratio Lower Upper
252 100
253 23.1 17.2 25.8
125 17.7 5.8 8.6#



#92
Indeno(1,2,3-cd)pyrene
Concen: 12.67 ng/ul
RT: 29.14 min Scan# 4478
Delta R.T. 0.00 min
Lab File: BG020785.D
Acq: 4 Feb 2016 13:53

Tgt Ion:276 Resp: 94717
Ion Ratio Lower Upper
276 100
138 30.3 10.9 16.3#
277 26.1 18.9 28.3





#93

Dibenzo(a,h)anthracene

Concen: 3.84 ng/ul

RT: 29.20 min Scan# 4487

Delta R.T. -0.01 min

Lab File: BG020785.D

Acq: 4 Feb 2016 13:53

Instrument :

BNA_G

ClientSampleId :

BBG14

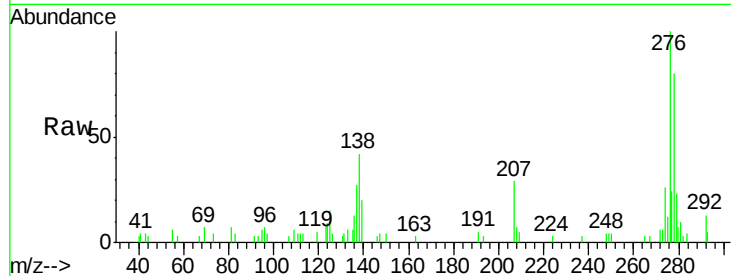
Tot Ion:278 Resp: 23711

Ion Ratio Lower Upper

278 100

139 25.4 9.0 13.4#

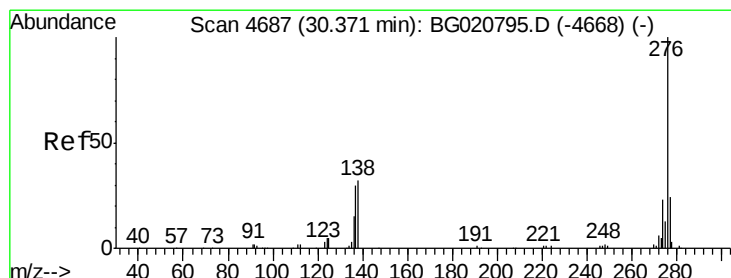
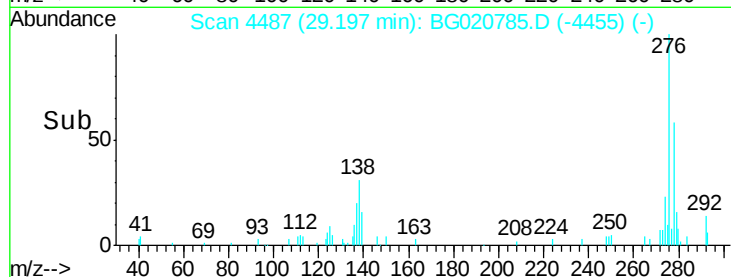
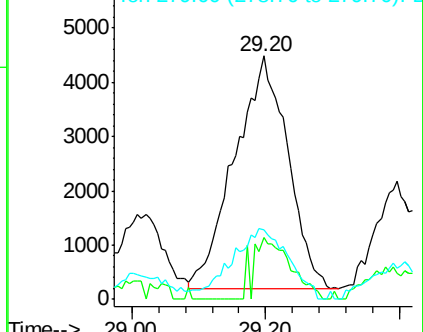
279 28.5 19.1 28.7



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: 13.39 ng/ul

RT: 30.36 min Scan# 4685

Delta R.T. 0.01 min

Lab File: BG020785.D

Acq: 4 Feb 2016 13:53

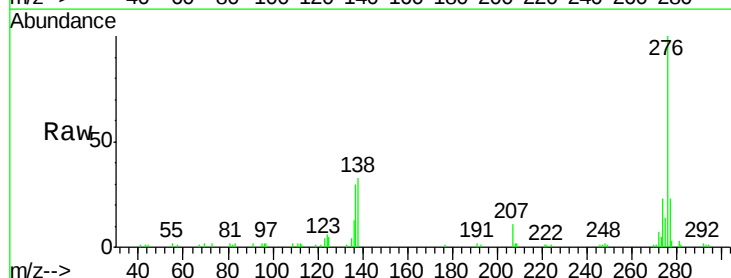
Tgt Ion:276 Resp: 82133

Ion Ratio Lower Upper

276 100

138 33.3 11.2 16.8#

277 23.3 19.0 28.6



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

