

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG052616\
 Data File : BG022096.D
 Acq On : 27 May 2016 1:11
 Operator : UM/SJ
 Sample : H3201-13
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BCZJ5

Quant Time: May 27 05:52:36 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG052116.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri May 27 05:50:42 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	32881	20.00	ng/ul	0.00
18) Naphthalene-d8	10.98	136	174424	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.78	164	97604	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.53	188	168158	20.00	ng/ul	0.00
75) Chrysene-d12	21.82	240	168922	20.00	ng/ul	0.00
83) Perylene-d12	25.16	264	171003	20.00	ng/ul	0.03

System Monitoring Compounds

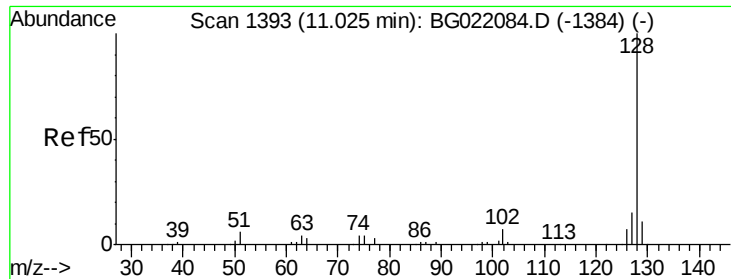
3) 1,4-Dioxane-d8	3.53	96	663	1.05	ng/uL	0.00
5) Phenol-d5	7.33	99	22975	7.73	ng/ul	0.02
7) Bis-(2-Chloroethyl)ether-d	7.47	67	12437	7.99	ng/ul	0.00
9) 2-Chlorophenol-d4	7.69	132	21250	8.56	ng/ul	0.00
13) 4-Methylphenol-d8	8.87	113	24147	9.58	ng/ul	0.00
19) Nitrobenzene-d5	9.33	128	12279	9.55	ng/ul	0.00
22) 2-Nitrophenol-d4	10.06	143	10673	7.66	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.61	165	19705	8.02	ng/ul	0.02
29) 4-Chloroaniline-d4	11.12	131	22633	8.45	ng/ul	0.00
43) Dimethylphthalate-d6	14.18	166	92669	12.64	ng/ul	0.00
46) Acenaphthylene-d8	14.48	160	117920	11.52	ng/ul	0.00
51) 4-Nitrophenol-d4	14.98	143	205	0.16	ng/ul	0.00
57) Fluorene-d10	15.78	176	80684	11.75	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	0.00	200	0	0.00	ng/ul	
70) Anthracene-d10	17.63	188	123288	15.28	ng/ul	0.00
76) Pyrene-d10	19.91	212	146125	15.34	ng/ul	0.02
87) Benzo(a)pyrene-d12	24.93	264	141023	17.77	ng/ul	0.03

Target Compounds

						Qvalue
28) Naphthalene	11.03	128	240065	27.14	ng/ul	99
34) 2-Methylnaphthalene	12.63	142	50487	7.99	ng/ul	96
40) 1,1'-Biphenyl	13.62	154	16126	2.01	ng/ul#	94
44) Dimethylphthalate	14.23	163	33629	4.56	ng/ul	99
49) Acenaphthene	14.85	153	285666	39.66	ng/ul	100
53) Dibenzofuran	15.18	168	136816	15.36	ng/ul	100
58) Fluorene	15.83	166	191912	25.52	ng/ul	95
69) Phenanthrene	17.67	178	499424	53.39	ng/ul	99
71) Anthracene	17.67	178	499424	52.72	ng/ul	98
72) Carbazole	17.93	167	190485	23.20	ng/ul	98
74) Fluoranthene	19.58	202	1824412	190.86	ng/ul	97
77) Pyrene	19.94	202	1635546	137.60	ng/ul	97
80) Benzo(a)anthracene	21.80	228	877177	88.54	ng/ul	95
82) Chrysene	21.87	228	728306	76.64	ng/ul#	93
85) Benzo(b)fluoranthene	24.10	252	884826	88.42	ng/ul	96
86) Benzo(k)fluoranthene	24.10	252	884826	90.85	ng/ul#	92
88) Benzo(a)pyrene	25.01	252	689313	71.39	ng/ul	98
89) Indeno(1,2,3-cd)pyrene	28.99	276	372873	33.68	ng/ul#	95
90) Dibenzo(a,h)anthracene	29.01	278	46716	5.04	ng/ul#	86
91) Benzo(g,h,i)perylene	30.18	276	304885	34.38	ng/ul	92

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

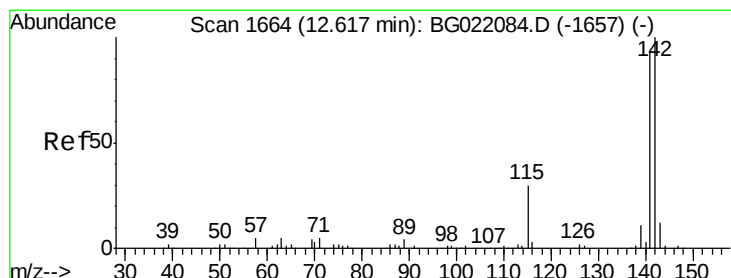
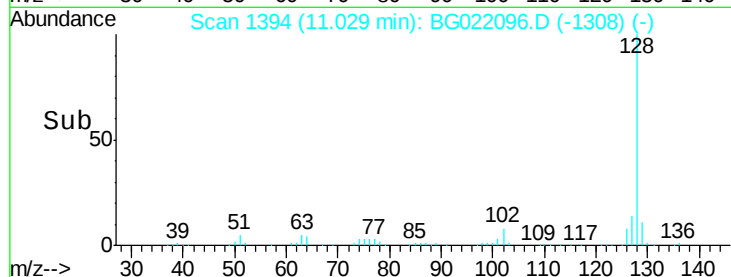
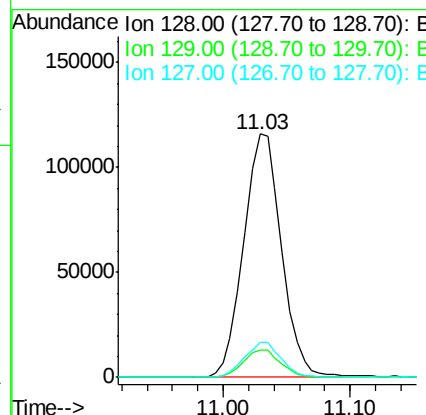
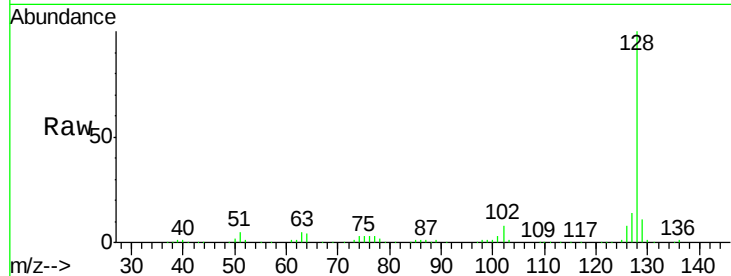
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Data Path : Z:\HPCHEM1\BNA_G\DATA\BG052616\  
Data File : BG022096.D  
Acq On    : 27 May 2016    1:11  
Operator  : UM/SJ  
Sample    : H3201-13  
Misc      :  
ALS Vial  : 25    Sample Multiplier: 1
```



#28
Naphthalene
Concen: 27.14 ng/ul
RT: 11.03 min Scan# 1394
Delta R.T. 0.00 min
Lab File: BG022096.D
Acq: 27 May 2016 1:11

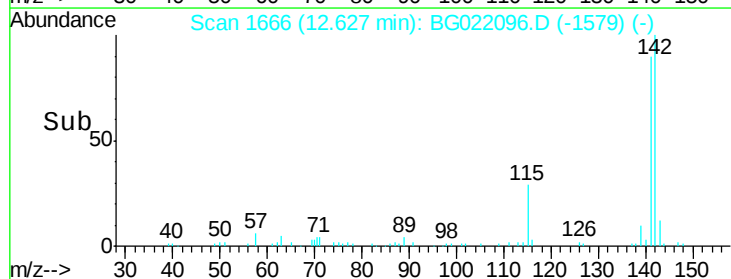
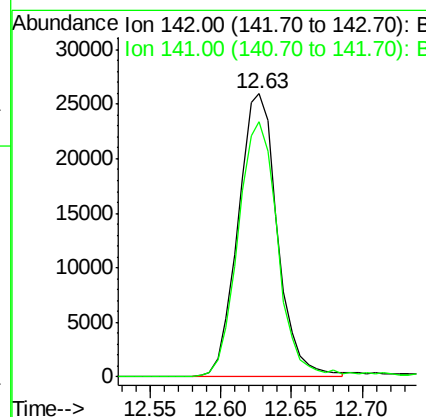
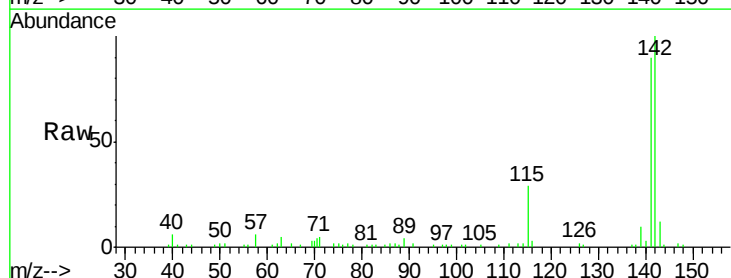
Instrument :
BNA_G
ClientSampleId :
BCZJ5

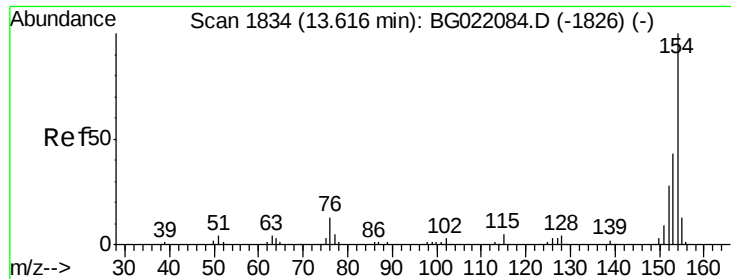
Tgt Ion:128 Resp: 240065
Ion Ratio Lower Upper
128 100
129 11.1 9.4 14.2
127 14.2 11.2 16.8



#34
2-Methylnaphthalene
Concen: 7.99 ng/ul
RT: 12.63 min Scan# 1666
Delta R.T. 0.01 min
Lab File: BG022096.D
Acq: 27 May 2016 1:11

Tgt Ion:142 Resp: 50487
Ion Ratio Lower Upper
142 100
141 90.2 75.2 112.8

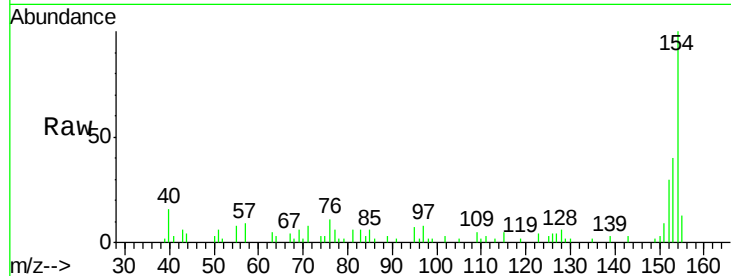




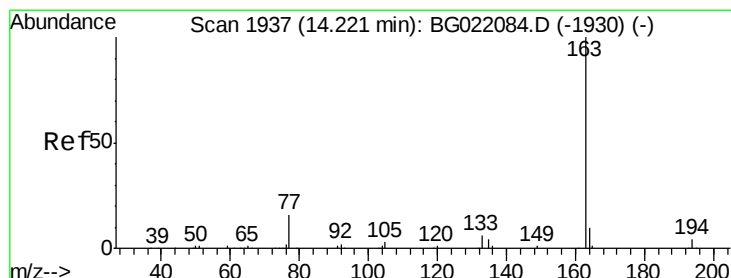
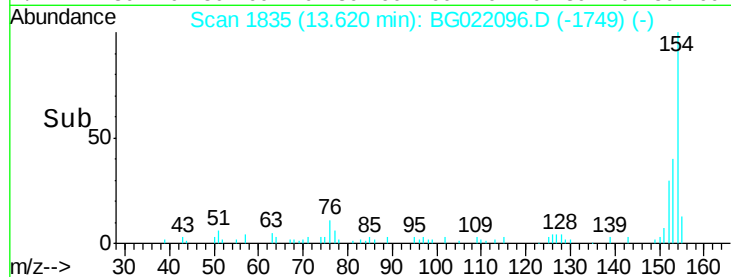
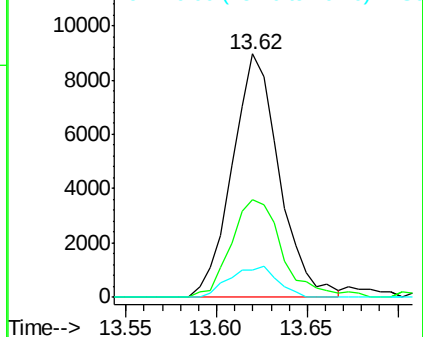
#40
 1,1'-Biphenyl
 Concen: 2.01 ng/ul
 RT: 13.62 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: BG022096.D
 Acq: 27 May 2016 1:11

Instrument :
 BNA_G
 ClientSampleId :
 BCZJ5

Tgt Ion:154 Resp: 16126
 Ion Ratio Lower Upper
 154 100
 153 40.2 34.6 52.0
 76 11.2 11.9 17.9#

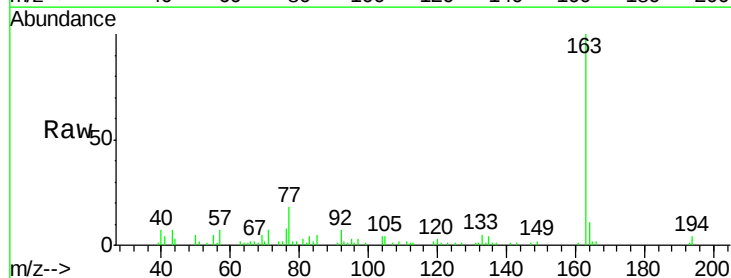


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): B

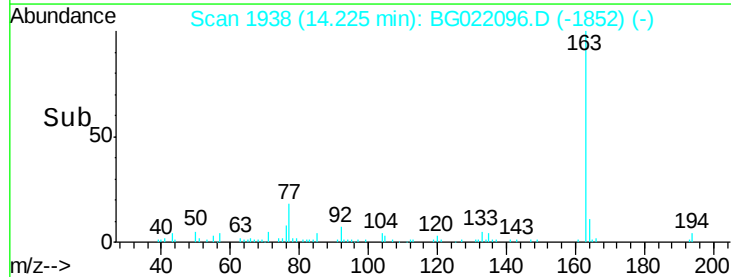
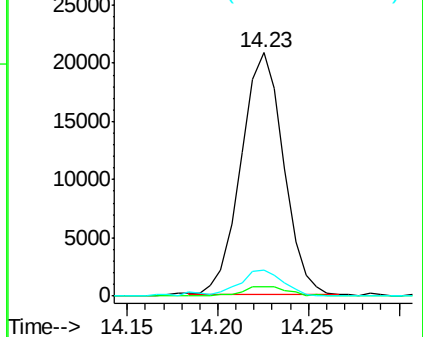


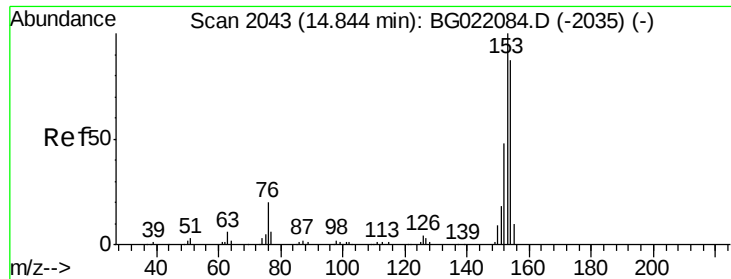
#44
 Dimethylphthalate
 Concen: 4.56 ng/ul
 RT: 14.23 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: BG022096.D
 Acq: 27 May 2016 1:11

Tgt Ion:163 Resp: 33629
 Ion Ratio Lower Upper
 163 100
 194 3.8 3.4 5.2
 164 10.7 8.8 13.2



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





#49

Acenaphthene

Concen: 39.66 ng/ul

RT: 14.85 min Scan# 2044

Delta R.T. 0.00 min

Lab File: BG022096.D

Acq: 27 May 2016 1:11

Instrument :

BNA_G

ClientSampleId :

BCZJ5

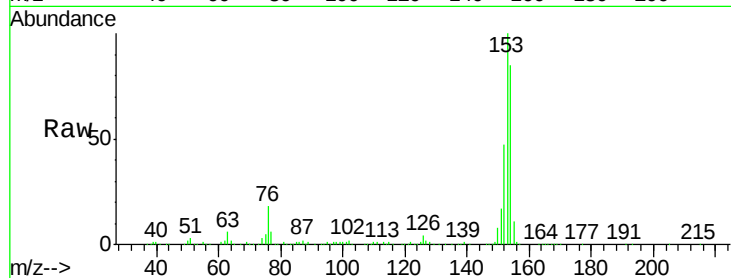
Tgt Ion:153 Resp: 285666

Ion Ratio Lower Upper

153 100

152 46.5 37.3 55.9

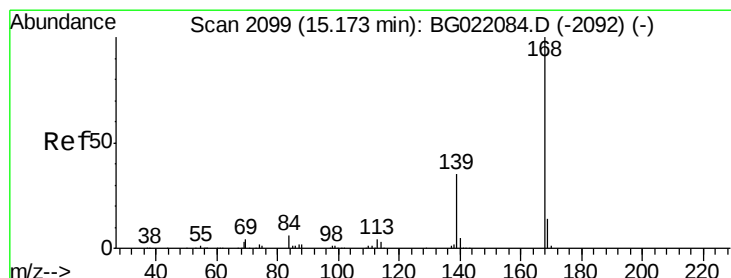
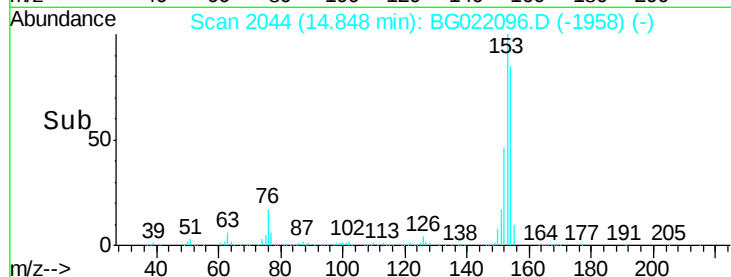
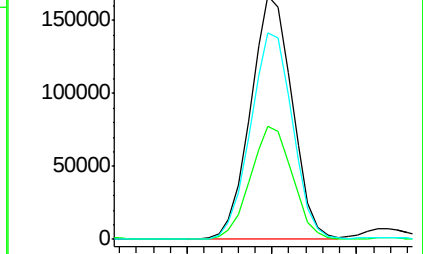
154 84.7 68.2 102.2



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



#53

Dibenzofuran

Concen: 15.36 ng/ul

RT: 15.18 min Scan# 2101

Delta R.T. 0.01 min

Lab File: BG022096.D

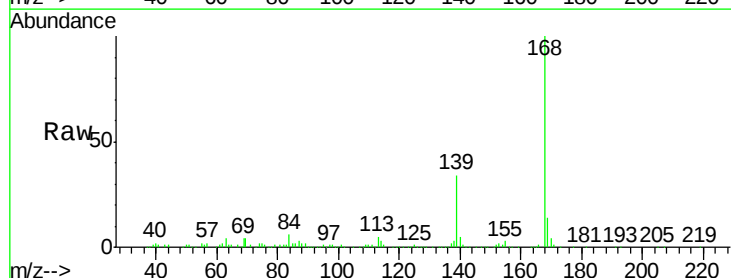
Acq: 27 May 2016 1:11

Tgt Ion:168 Resp: 136816

Ion Ratio Lower Upper

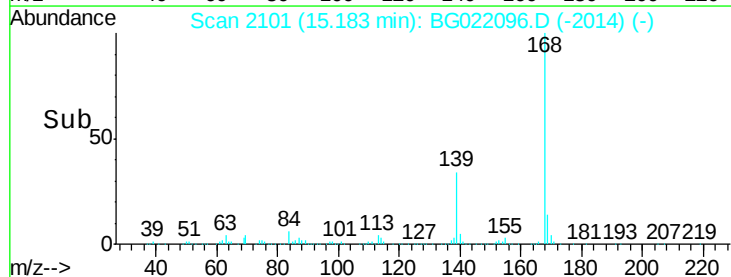
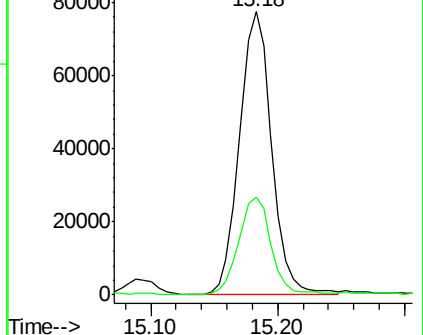
168 100

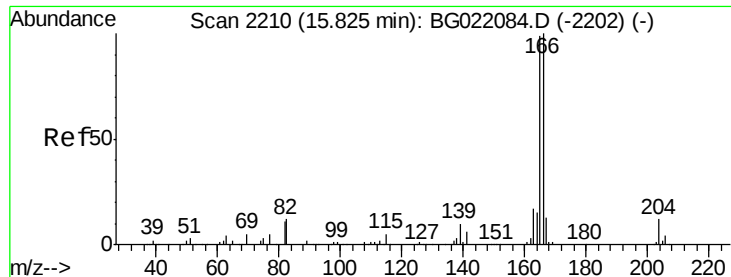
139 34.4 27.4 41.0



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 25.52 ng/ul

RT: 15.83 min Scan# 2211

Delta R.T. 0.00 min

Lab File: BG022096.D

Acq: 27 May 2016 1:11

Instrument :

BNA_G

ClientSampleId :

BCZJ5

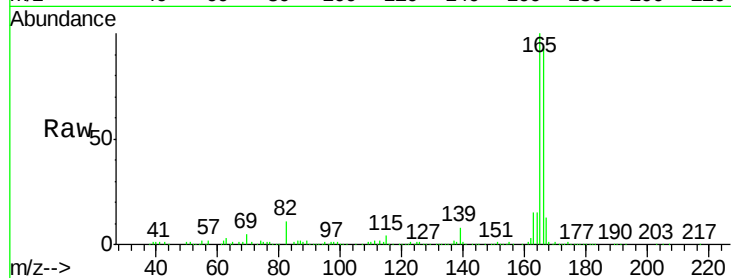
Tgt Ion:166 Resp: 191912

Ion Ratio Lower Upper

166 100

165 106.1 80.3 120.5

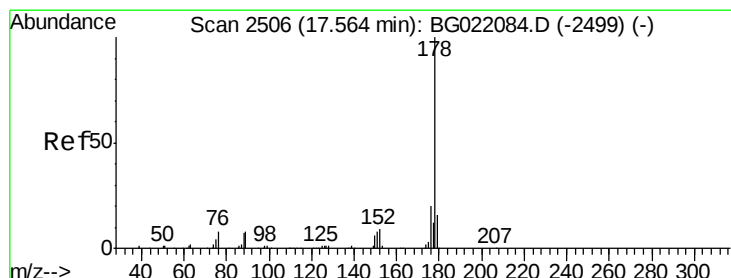
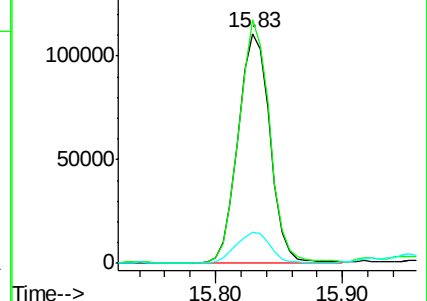
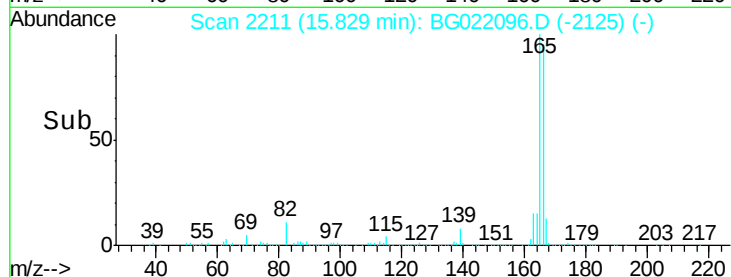
167 13.4 10.3 15.5



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: 53.39 ng/ul

RT: 17.67 min Scan# 2524

Delta R.T. 0.10 min

Lab File: BG022096.D

Acq: 27 May 2016 1:11

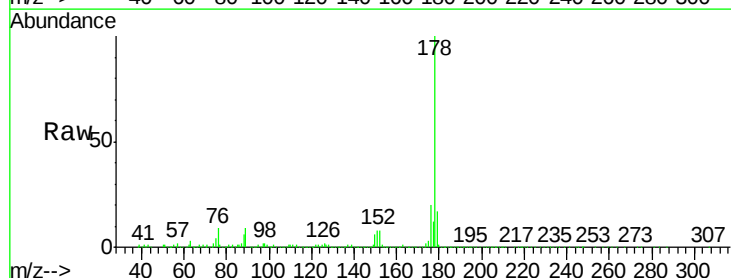
Tgt Ion:178 Resp: 499424

Ion Ratio Lower Upper

178 100

179 16.8 12.9 19.3

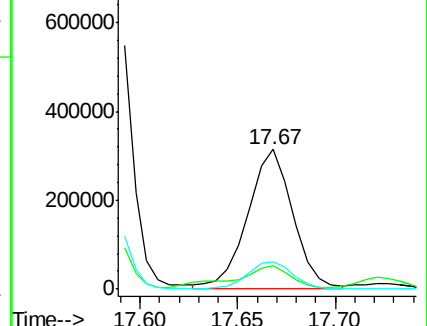
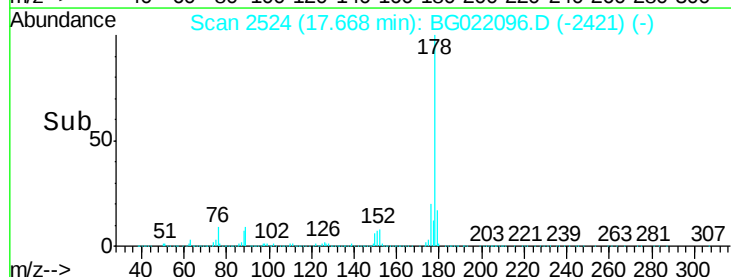
176 20.0 15.8 23.8

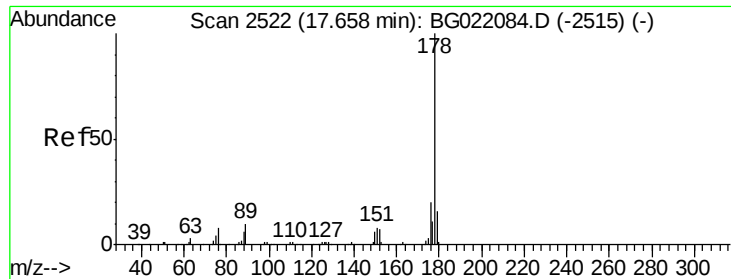


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

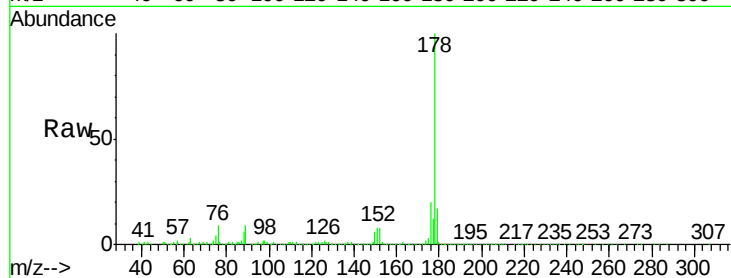




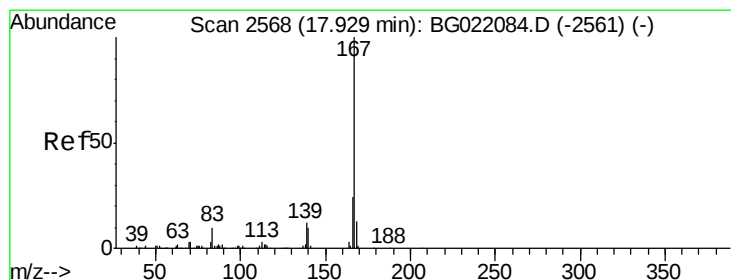
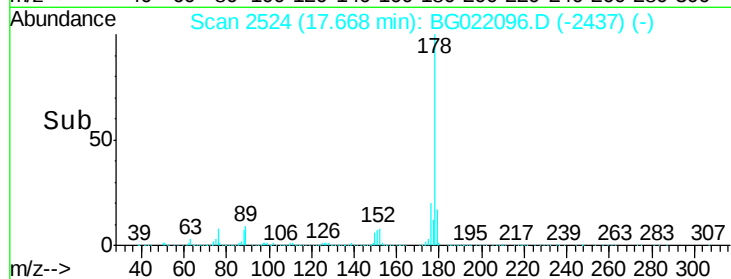
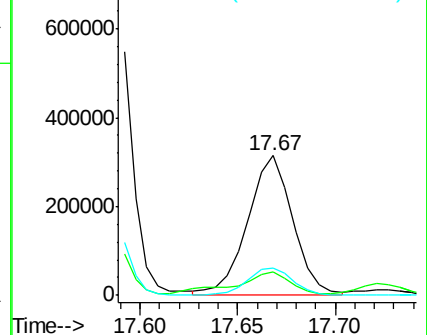
#71
 Anthracene
 Concen: 52.72 ng/ul
 RT: 17.67 min Scan# 2524
 Delta R.T. 0.01 min
 Lab File: BG022096.D
 Acq: 27 May 2016 1:11

Instrument :
 BNA_G
 ClientSampleId :
 BCZJ5

Tgt Ion:178 Resp: 499424
 Ion Ratio Lower Upper
 178 100
 179 16.8 12.3 18.5
 176 20.0 16.3 24.5

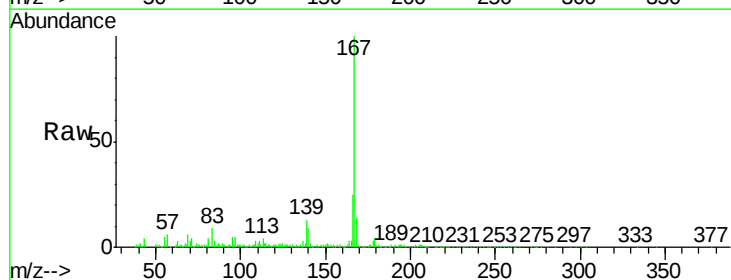


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E

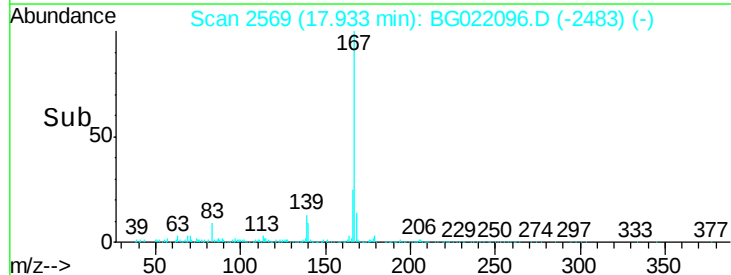
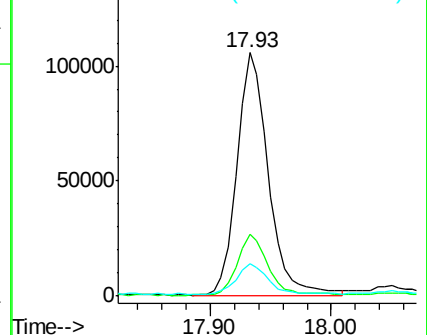


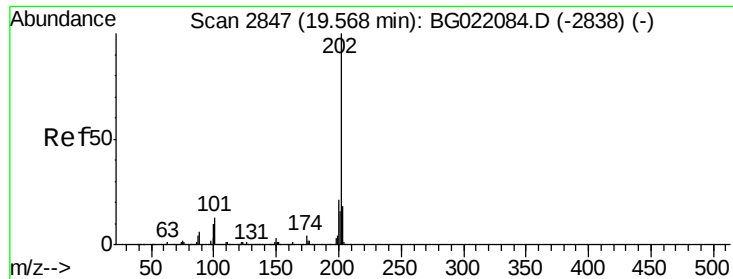
#72
 Carbazole
 Concen: 23.20 ng/ul
 RT: 17.93 min Scan# 2569
 Delta R.T. 0.00 min
 Lab File: BG022096.D
 Acq: 27 May 2016 1:11

Tgt Ion:167 Resp: 190485
 Ion Ratio Lower Upper
 167 100
 166 25.5 19.2 28.8
 139 13.4 10.2 15.4



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





#74

Fluoranthene

Concen: 190.86 ng/ul

RT: 19.58 min Scan# 2850

Delta R.T. 0.02 min

Lab File: BG022096.D

Acq: 27 May 2016 1:11

Instrument :

BNA_G

ClientSampleId :

BCZJ5

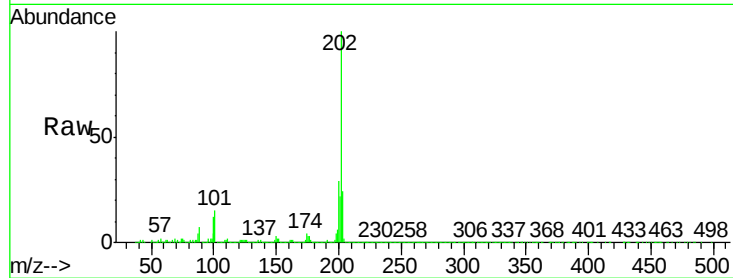
Tgt Ion:202 Resp: 1824412

Ion Ratio Lower Upper

202 100

101 14.8 10.6 16.0

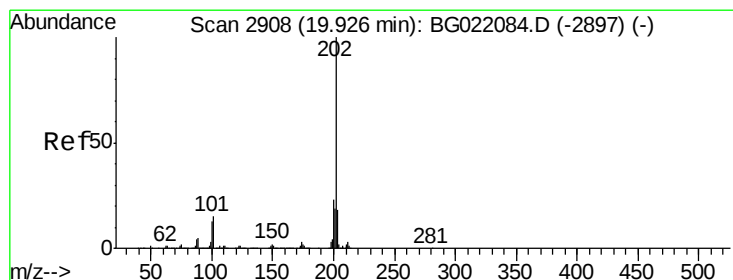
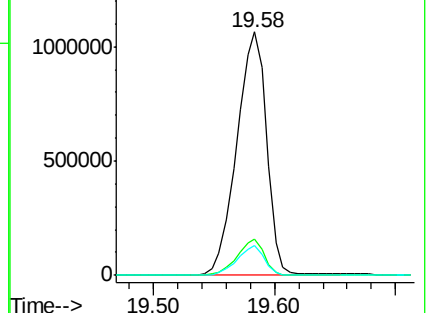
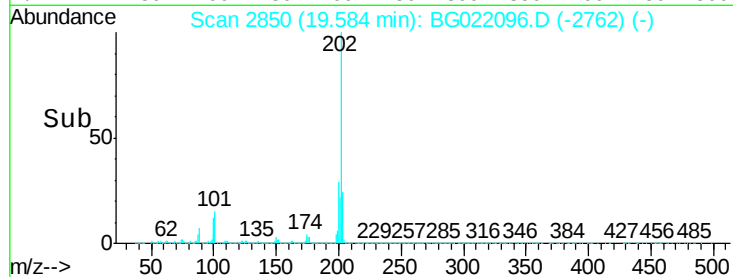
100 12.0 8.7 13.1



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): B



#77

Pyrene

Concen: 137.60 ng/ul

RT: 19.94 min Scan# 2911

Delta R.T. 0.02 min

Lab File: BG022096.D

Acq: 27 May 2016 1:11

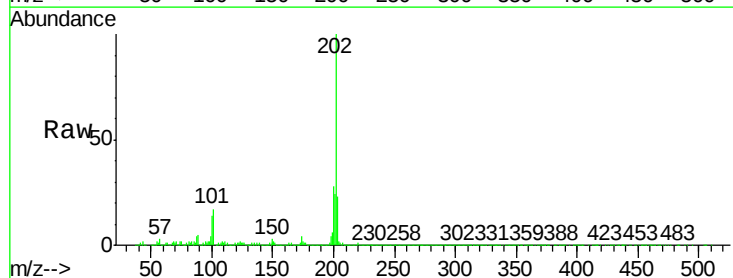
Tgt Ion:202 Resp: 1635546

Ion Ratio Lower Upper

202 100

101 16.8 12.5 18.7

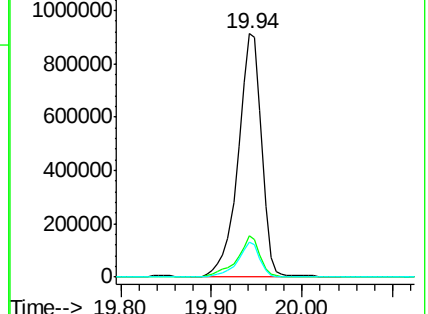
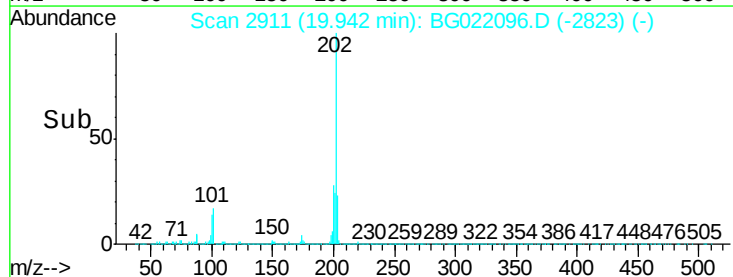
100 14.2 10.2 15.4

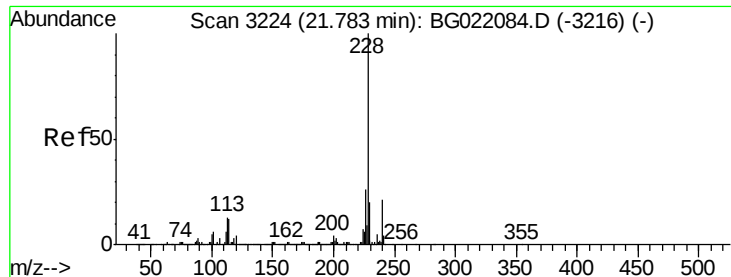


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 88.54 ng/ul

RT: 21.80 min Scan# 3227

Delta R.T. 0.02 min

Lab File: BG022096.D

Acq: 27 May 2016 1:11

Instrument :

BNA_G

ClientSampleId :

BCZJ5

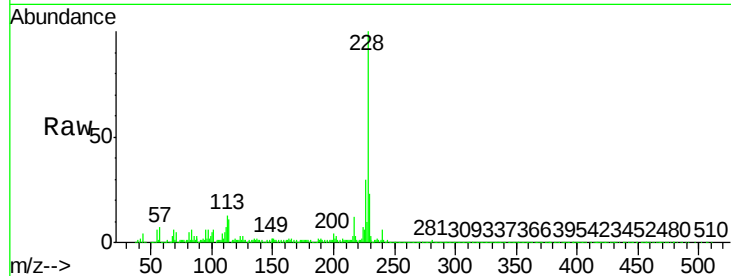
Tgt Ion:228 Resp: 877177

Ion Ratio Lower Upper

228 100

229 23.0 15.4 23.2

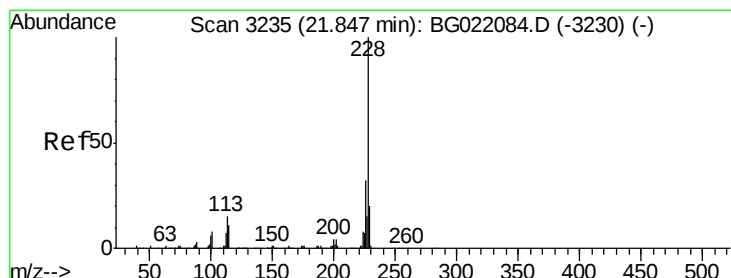
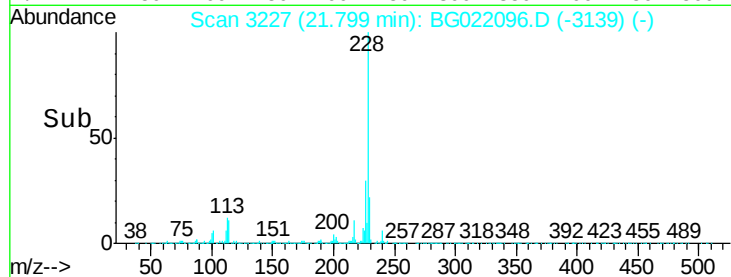
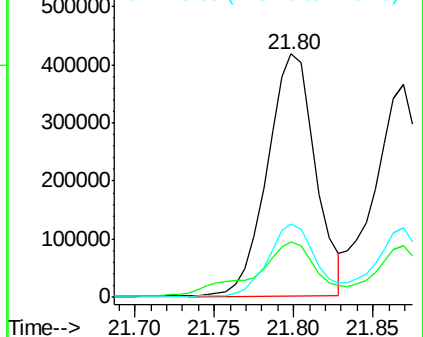
226 29.9 22.8 34.2



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



#82

Chrysene

Concen: 76.64 ng/ul

RT: 21.87 min Scan# 3239

Delta R.T. 0.02 min

Lab File: BG022096.D

Acq: 27 May 2016 1:11

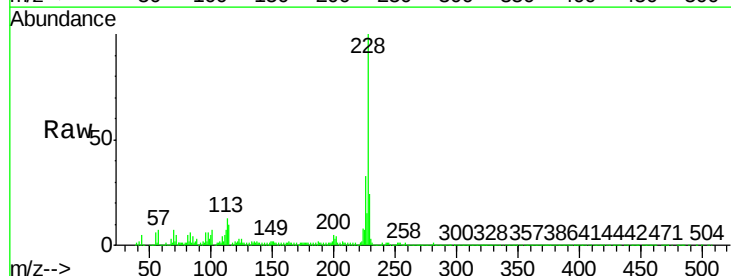
Tgt Ion:228 Resp: 728306

Ion Ratio Lower Upper

228 100

226 32.6 24.2 36.4

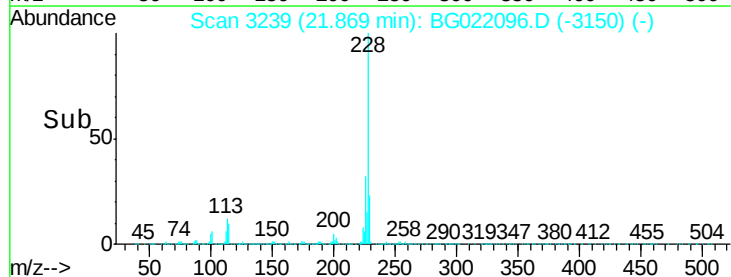
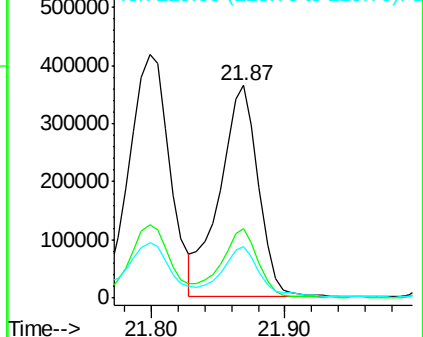
229 24.1 15.0 22.6#

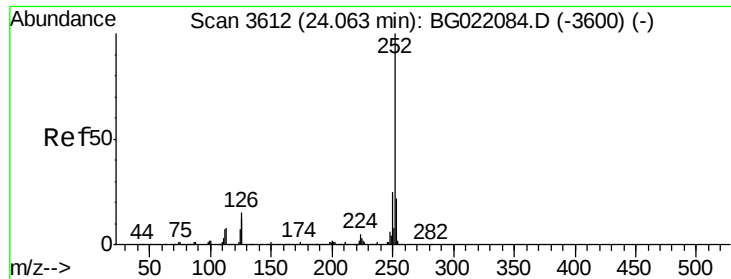


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Benzo(b)fluoranthene

Concen: 88.42 ng/ul

RT: 24.10 min Scan# 3619

Delta R.T. 0.04 min

Lab File: BG022096.D

Acq: 27 May 2016 1:11

Instrument :

BNA_G

ClientSampleId :

BCZJ5

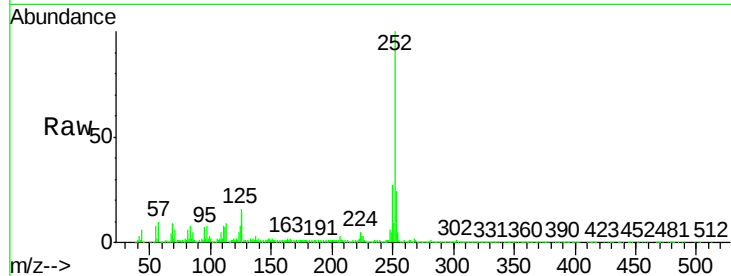
Tgt Ion:252 Resp: 884826

Ion Ratio Lower Upper

252 100

253 23.6 18.2 27.2

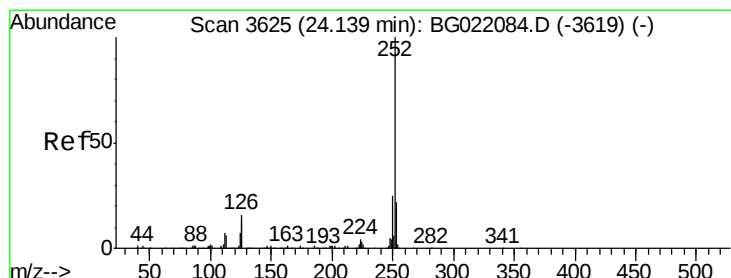
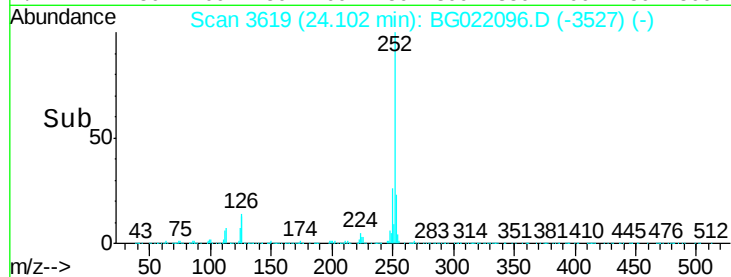
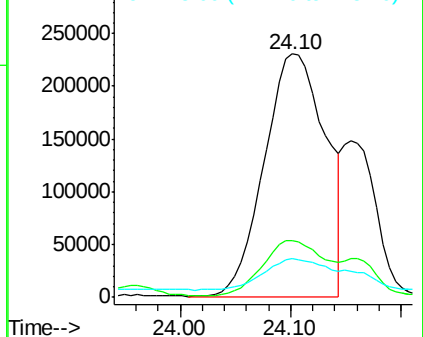
125 16.1 10.8 16.2



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



#86

Benzo(k)fluoranthene

Concen: 90.85 ng/ul

RT: 24.10 min Scan# 3619

Delta R.T. -0.04 min

Lab File: BG022096.D

Acq: 27 May 2016 1:11

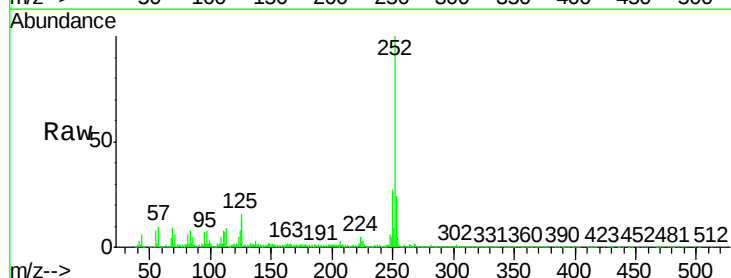
Tgt Ion:252 Resp: 884826

Ion Ratio Lower Upper

252 100

253 23.6 15.8 23.6

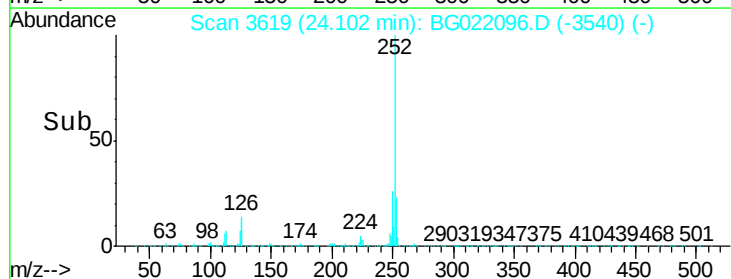
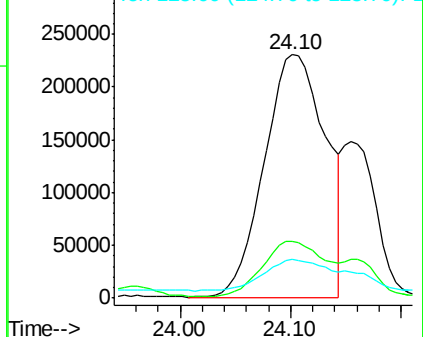
125 16.1 10.6 16.0#

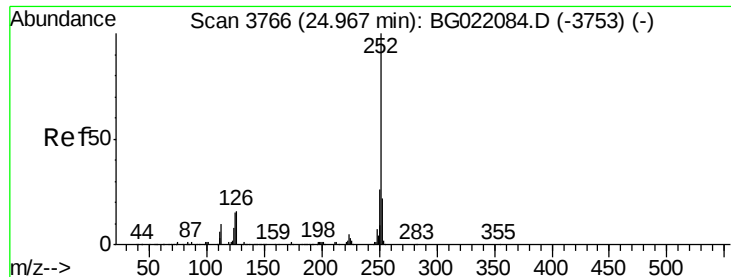


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(a)pyrene

Concen: 71.39 ng/ul

RT: 25.01 min Scan# 3773

Delta R.T. 0.04 min

Lab File: BG022096.D

Acq: 27 May 2016 1:11

Instrument :

BNA_G

ClientSampleId :

BCZJ5

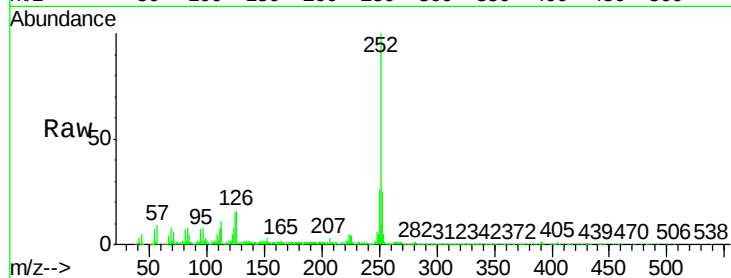
Tgt Ion:252 Resp: 689313

Ion Ratio Lower Upper

252 100

253 24.7 19.0 28.4

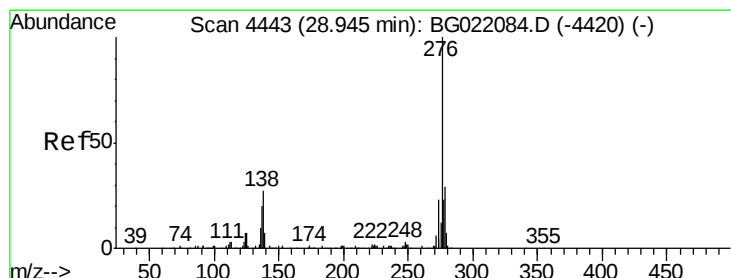
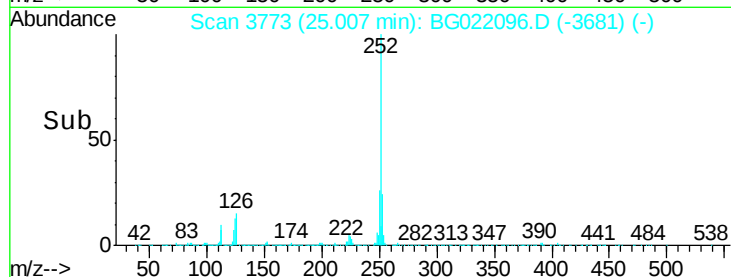
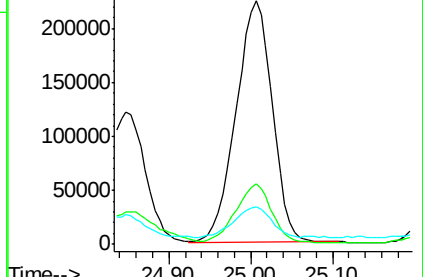
125 15.4 12.0 18.0



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



#89

Indeno(1,2,3-cd)pyrene

Concen: 33.68 ng/ul

RT: 28.99 min Scan# 4451

Delta R.T. 0.05 min

Lab File: BG022096.D

Acq: 27 May 2016 1:11

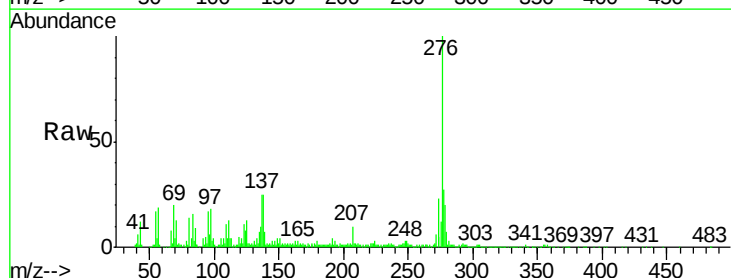
Tgt Ion:276 Resp: 372873

Ion Ratio Lower Upper

276 100

138 25.0 20.8 31.2

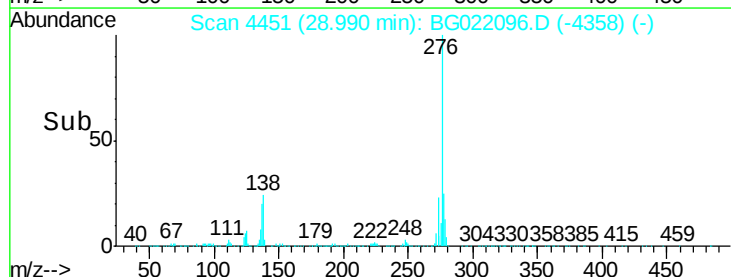
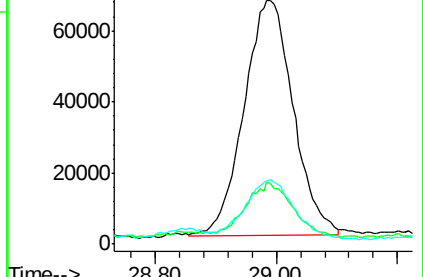
277 26.5 17.6 26.4#

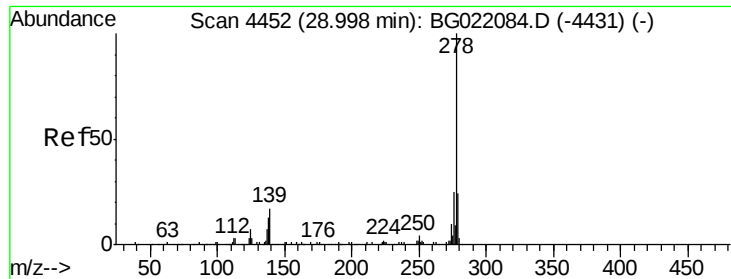


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#90

Dibenzo(a,h)anthracene

Concen: 5.04 ng/ul

RT: 29.01 min Scan# 4455

Delta R.T. 0.02 min

Lab File: BG022096.D

Acq: 27 May 2016 1:11

Instrument :

BNA_G

ClientSampleId :

BCZJ5

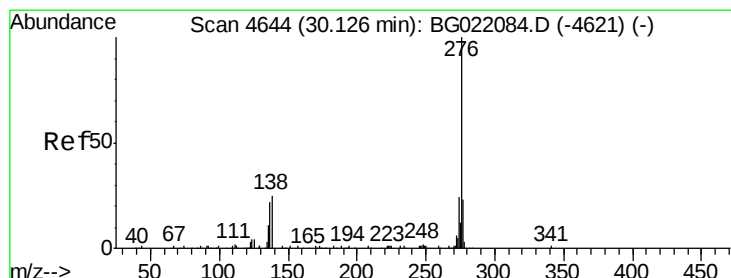
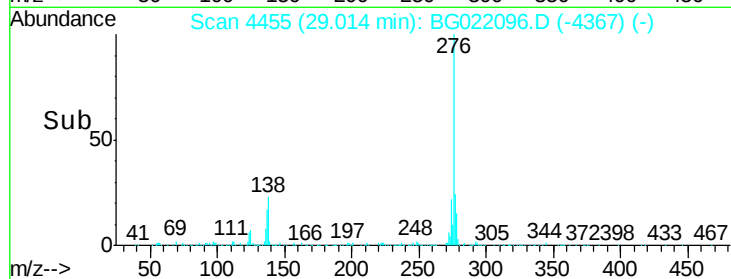
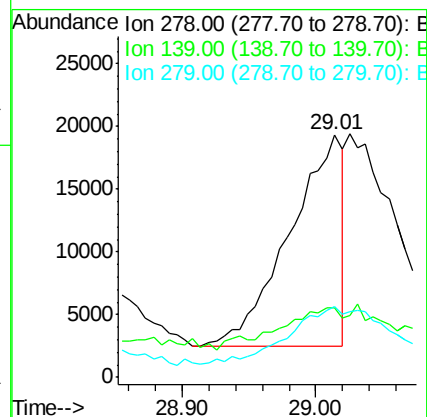
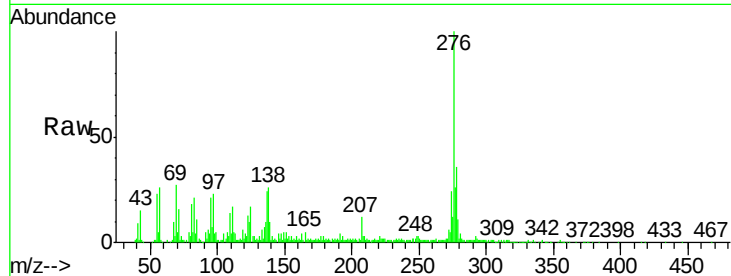
Tgt Ion:278 Resp: 46716

Ion Ratio Lower Upper

278 100

139 28.5 16.3 24.5#

279 29.1 19.1 28.7#



#91

Benzo(g,h,i)perylene

Concen: 34.38 ng/ul

RT: 30.18 min Scan# 4654

Delta R.T. 0.06 min

Lab File: BG022096.D

Acq: 27 May 2016 1:11

Tgt Ion:276 Resp: 304885

Ion Ratio Lower Upper

276 100

138 23.8 22.1 33.1

277 25.1 17.0 25.4

