

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG051216\
 Data File : BG021876.D
 Acq On : 12 May 2016 19:55
 Operator : UM/SJ
 Sample : H2936-14
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9WK3

Quant Time: May 13 05:01:53 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG050916.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri May 13 04:58:59 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	61370	20.00	ng/ul	0.00
18) Naphthalene-d8	10.99	136	334837	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.79	164	206102	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.54	188	428952	20.00	ng/ul	0.00
76) Chrysene-d12	21.82	240	421571	20.00	ng/ul	0.00
84) Perylene-d12	25.16	264	425510	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.55	96	5406	4.25	ng/uL	0.00
5) Phenol-d5	7.32	99	125549	27.57	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.49	67	59101	26.17	ng/ul	0.00
9) 2-Chlorophenol-d4	7.70	132	113651	32.15	ng/ul	0.00
13) 4-Methylphenol-d8	8.87	113	113348	29.63	ng/ul	0.00
19) Nitrobenzene-d5	9.34	128	62081	28.20	ng/ul	0.00
22) 2-Nitrophenol-d4	10.07	143	68864	49.53	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.60	165	124217	31.59	ng/ul	0.00
29) 4-Chloroaniline-d4	11.13	131	96982	22.90	ng/ul	0.00
44) Dimethylphthalate-d6	14.19	166	387355	26.76	ng/ul	0.00
47) Acenaphthylene-d8	14.49	160	514345	25.03	ng/ul	0.00
52) 4-Nitrophenol-d4	14.99	143	48280	19.46	ng/ul	0.00
58) Fluorene-d10	15.79	176	352333	23.12	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.90	200	23972	20.17	ng/ul	0.00
71) Anthracene-d10	17.64	188	484913	23.22	ng/ul	0.00
77) Pyrene-d10	19.91	212	511086	25.90	ng/ul	0.00
88) Benzo(a)pyrene-d12	24.94	264	492729	24.37	ng/ul	0.00

Target Compounds

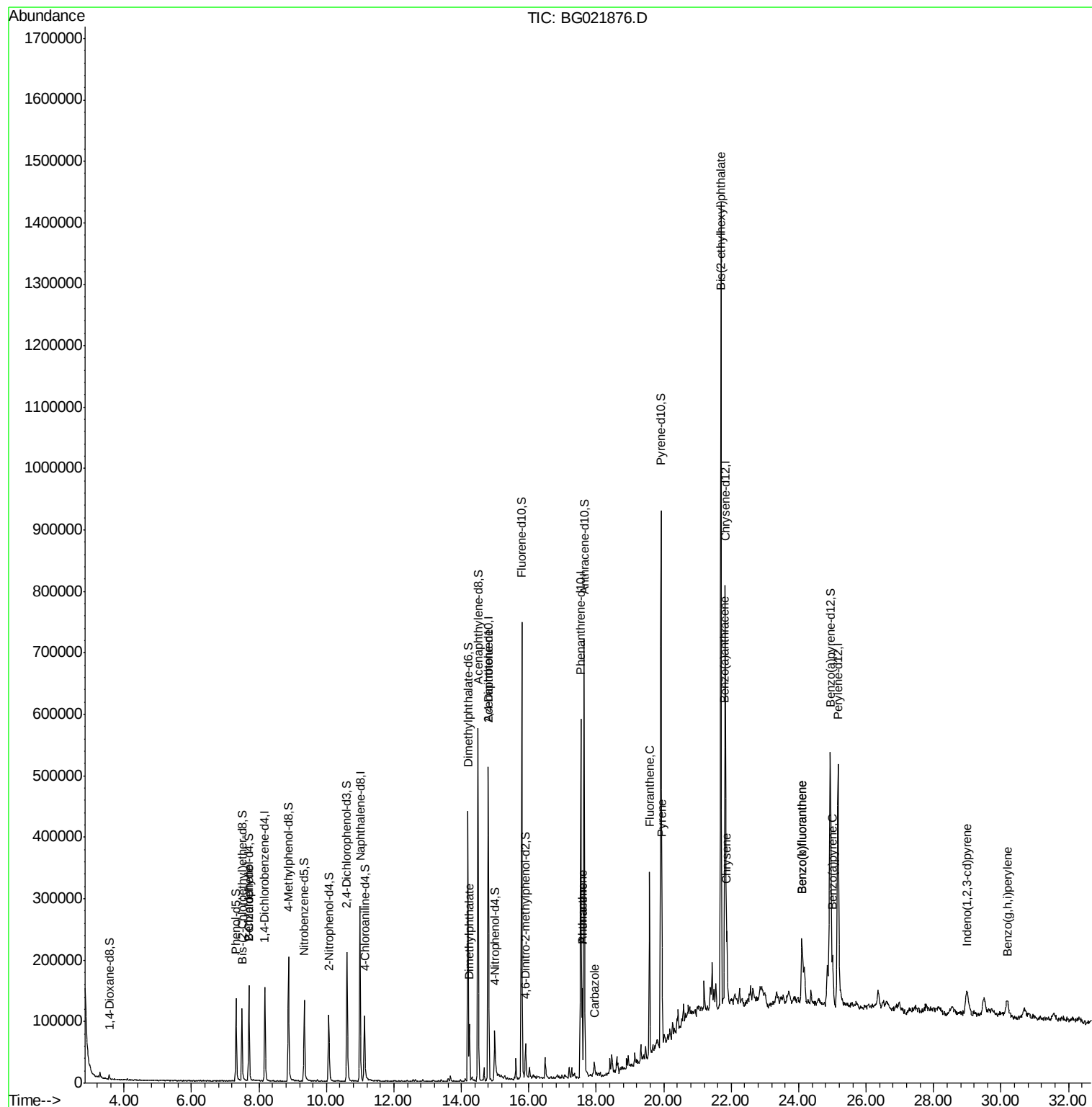
						Qvalue
4) Benzaldehyde	7.70	77	1590	3.21	ng/ul#	77
45) Dimethylphthalate	14.24	163	75458	5.12	ng/ul	99
55) 2,4-Dinitrotoluene	14.79	165	26701	6.63	ng/ul#	24
70) Phenanthrene	17.58	178	105526	4.50	ng/ul	97
72) Anthracene	17.58	178	105642	4.44	ng/ul	99
73) Carbazole	17.94	167	20855	1.01	ng/ul#	95
75) Fluoranthene	19.58	202	211001	7.92	ng/ul	96
78) Pyrene	19.95	202	153366	6.29	ng/ul	95
81) Benzo(a)anthracene	21.80	228	95988	4.09	ng/ul	98
82) Bis(2-ethylhexyl)phthalate	21.69	149	716262	81.38	ng/ul	92
83) Chrysene	21.87	228	92849	4.00	ng/ul	97
86) Benzo(b)fluoranthene	24.09	252	137623	5.65	ng/ul#	95
87) Benzo(k)fluoranthene	24.09	252	137623	5.28	ng/ul#	96
89) Benzo(a)pyrene	25.01	252	86908	3.58	ng/ul#	92
90) Indeno(1,2,3-cd)pyrene	28.98	276	71113	2.47	ng/ul#	93
92) Benzo(g,h,i)perylene	30.18	276	57409	2.42	ng/ul#	92

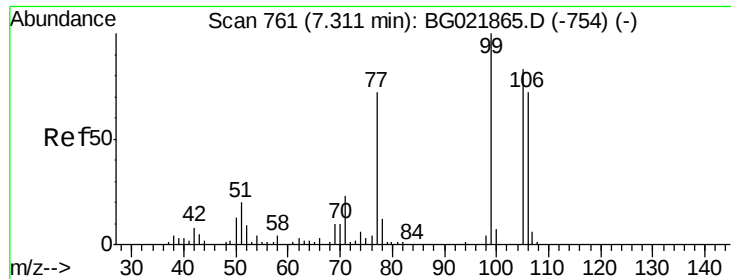
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
QLast Update : Fri May 13 04:58:59 2016
Response via : Initial Calibration





#4

Benzaldehyde

Concen: 3.21 ng/ul

RT: 7.70 min Scan# 827

Delta R.T. 0.39 min

Lab File: BG021876.D

Acq: 12 May 2016 19:55

Instrument :

BNA_G

ClientSampleId :

D9WK3

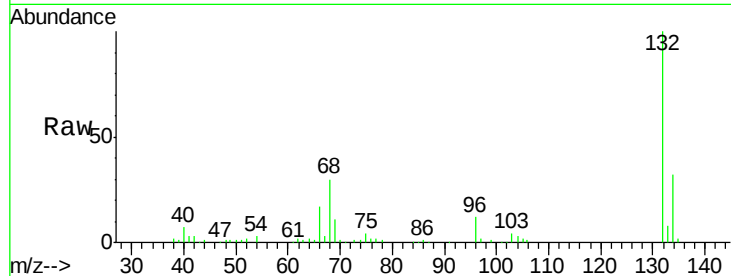
Tgt Ion: 77 Resp: 1590

Ion Ratio Lower Upper

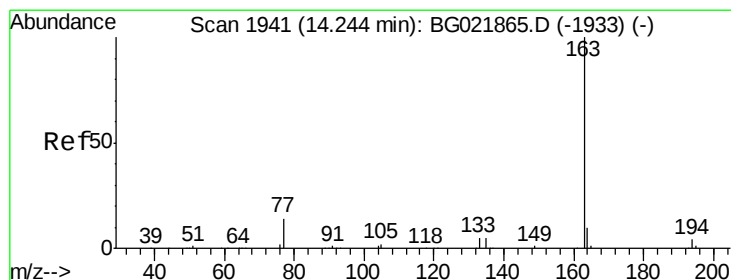
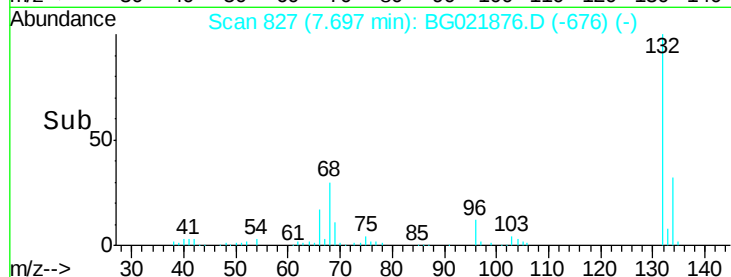
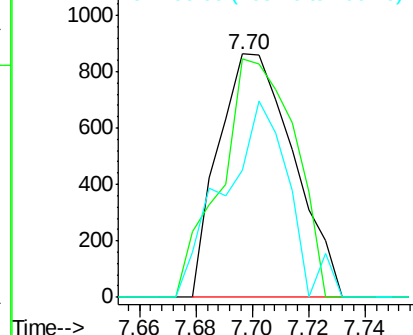
77 100

105 97.7 68.5 102.7

106 52.0 65.0 97.4#



Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 106.00 (105.70 to 106.70): BGC



#45

Dimethylphthalate

Concen: 5.12 ng/ul

RT: 14.24 min Scan# 1941

Delta R.T. -0.00 min

Lab File: BG021876.D

Acq: 12 May 2016 19:55

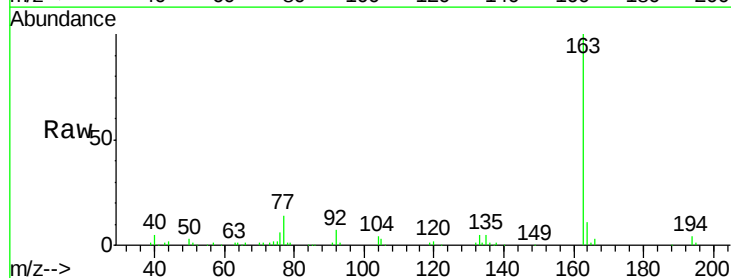
Tgt Ion: 163 Resp: 75458

Ion Ratio Lower Upper

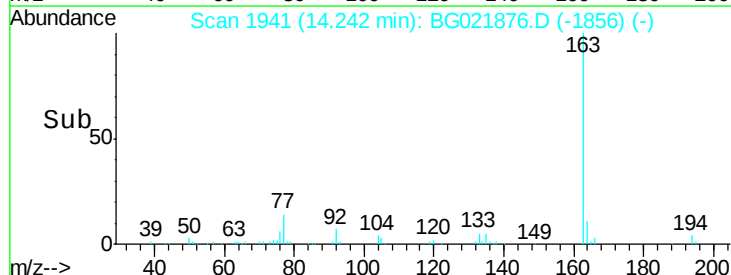
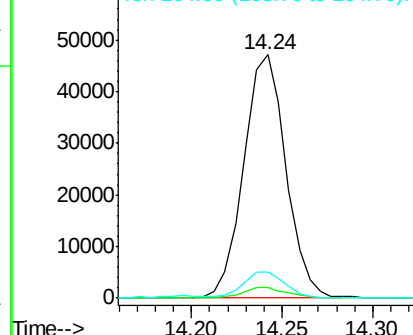
163 100

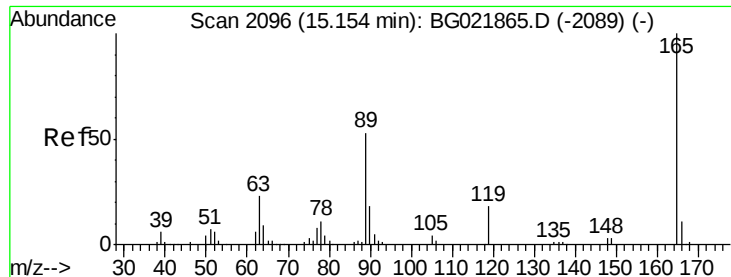
194 4.5 3.9 5.9

164 10.7 8.7 13.1



Abundance Ion 163.00 (162.70 to 163.70): BGC
Ion 194.00 (193.70 to 194.70): BGC
Ion 164.00 (163.70 to 164.70): BGC

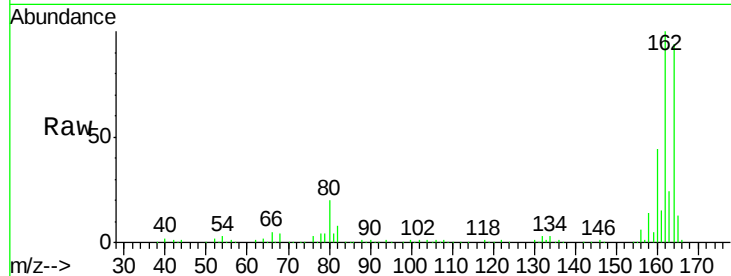




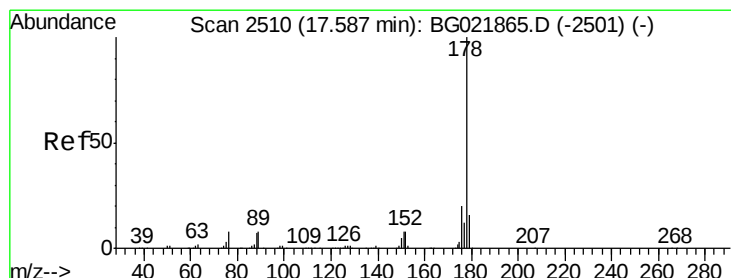
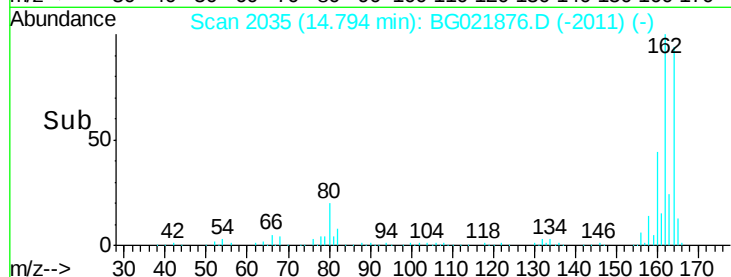
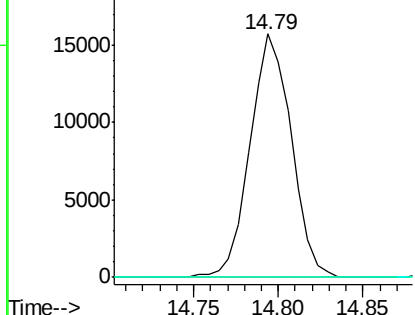
#55
 2,4-Dinitrotoluene
 Concen: 6.63 ng/ul
 RT: 14.79 min Scan# 2035
 Delta R.T. -0.36 min
 Lab File: BG021876.D
 Acq: 12 May 2016 19:55

Instrument :
 BNA_G
 ClientSampleId :
 D9WK3

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	48.1	72.1#
182	0.0	2.2	3.2#

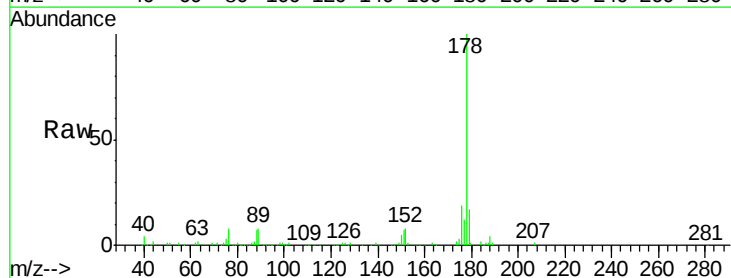


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BG
 Ion 182.00 (181.70 to 182.70): E

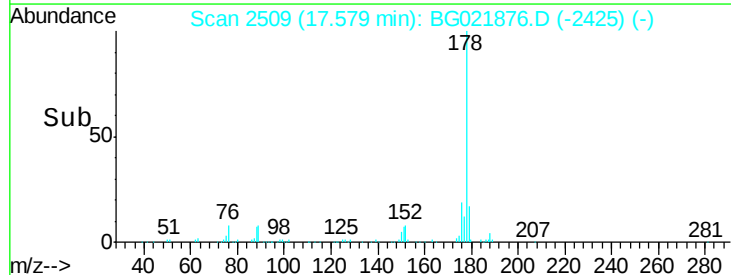
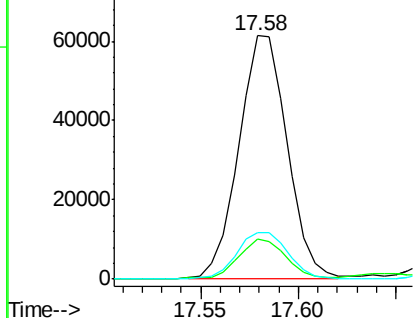


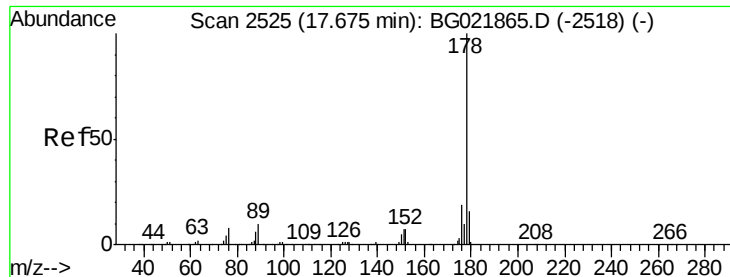
#70
 Phenanthrene
 Concen: 4.50 ng/ul
 RT: 17.58 min Scan# 2509
 Delta R.T. -0.01 min
 Lab File: BG021876.D
 Acq: 12 May 2016 19:55

Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.7	11.8	17.8
176	19.0	14.8	22.2



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: 4.44 ng/ul

RT: 17.58 min Scan# 2509

Delta R.T. -0.10 min

Lab File: BG021876.D

Acq: 12 May 2016 19:55

Instrument :

BNA_G

ClientSampleId :

D9WK3

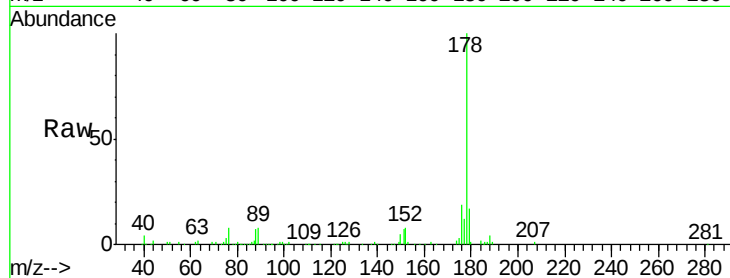
Tgt Ion:178 Resp: 105642

Ion Ratio Lower Upper

178 100

179 16.7 12.9 19.3

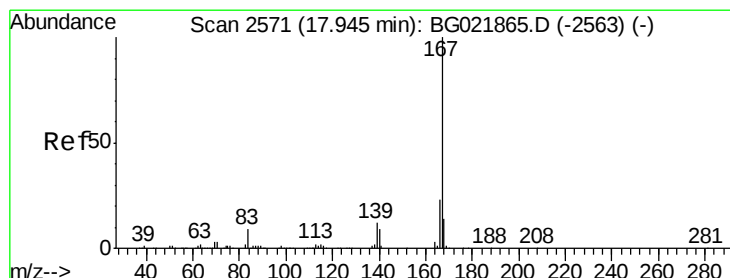
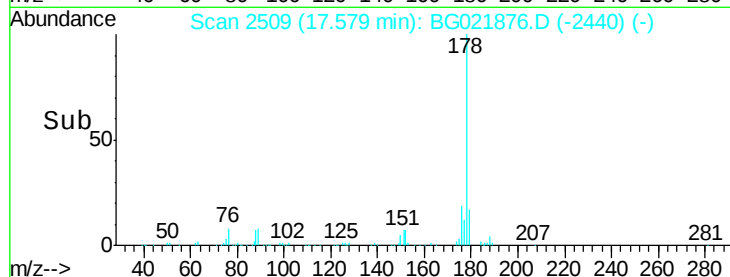
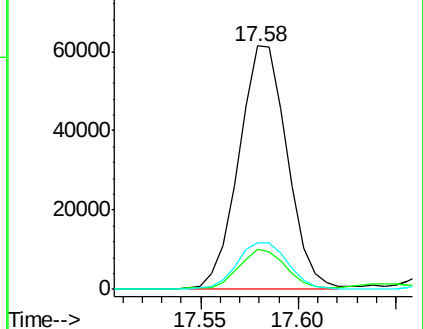
176 19.0 15.6 23.4



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

Carbazole

Concen: 1.01 ng/ul

RT: 17.94 min Scan# 2571

Delta R.T. -0.00 min

Lab File: BG021876.D

Acq: 12 May 2016 19:55

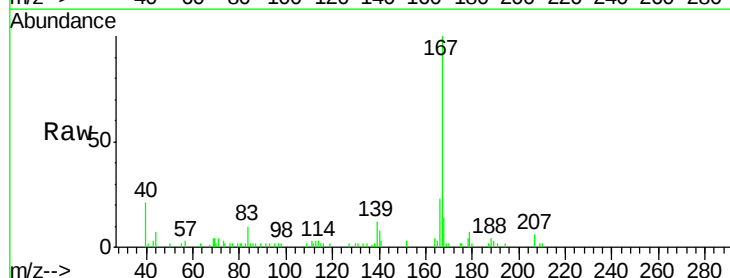
Tgt Ion:167 Resp: 20855

Ion Ratio Lower Upper

167 100

166 22.6 19.0 28.4

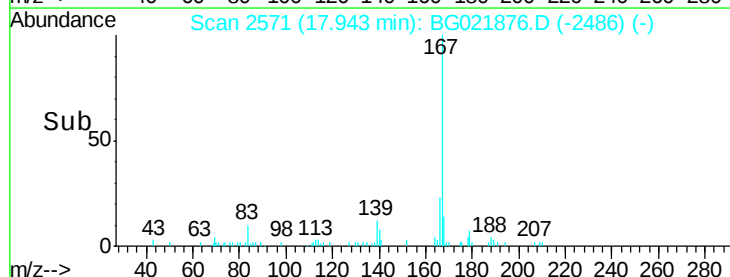
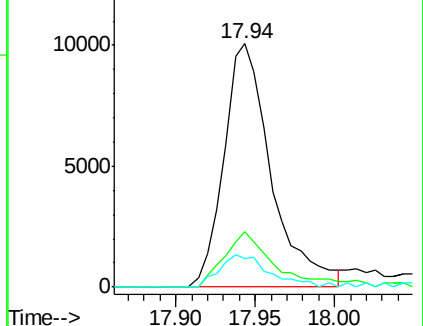
139 11.8 12.2 18.4#

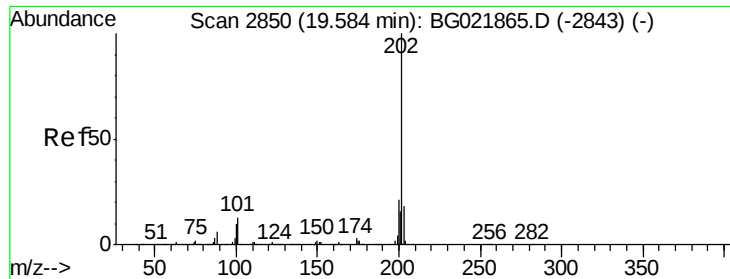


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#75

Fluoranthene

Concen: 7.92 ng/ul

RT: 19.58 min Scan# 2850

Delta R.T. -0.00 min

Lab File: BG021876.D

Acq: 12 May 2016 19:55

Instrument :

BNA_G

ClientSampleId :

D9WK3

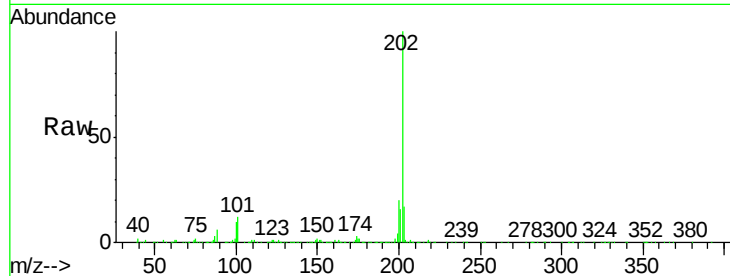
Tgt Ion:202 Resp: 211001

Ion Ratio Lower Upper

202 100

101 12.5 8.9 13.3

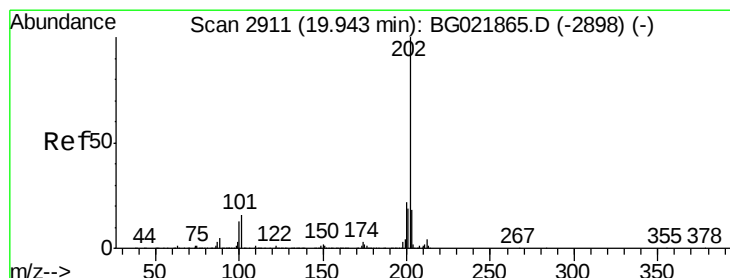
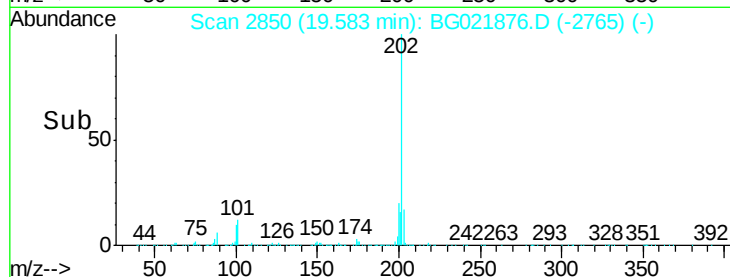
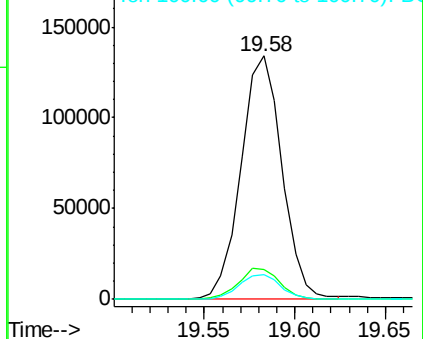
100 10.3 7.0 10.4



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



#78

Pyrene

Concen: 6.29 ng/ul

RT: 19.95 min Scan# 2912

Delta R.T. 0.00 min

Lab File: BG021876.D

Acq: 12 May 2016 19:55

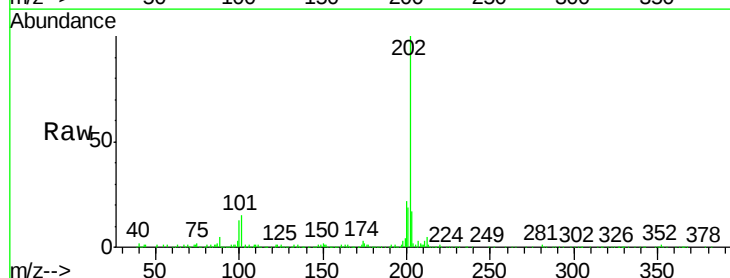
Tgt Ion:202 Resp: 153366

Ion Ratio Lower Upper

202 100

101 14.8 9.8 14.8

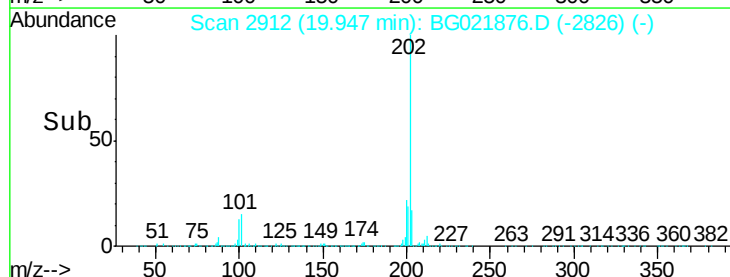
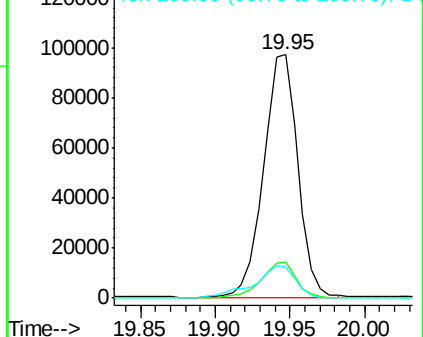
100 12.7 9.3 13.9

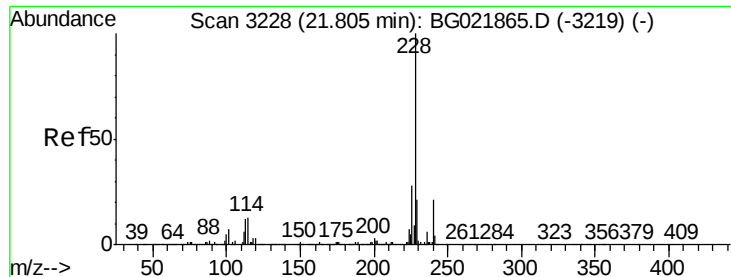


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#81

Benzo(a)anthracene

Concen: 4.09 ng/ul

RT: 21.80 min Scan# 3228

Delta R.T. -0.00 min

Lab File: BG021876.D

Acq: 12 May 2016 19:55

Instrument :

BNA_G

ClientSampleId :

D9WK3

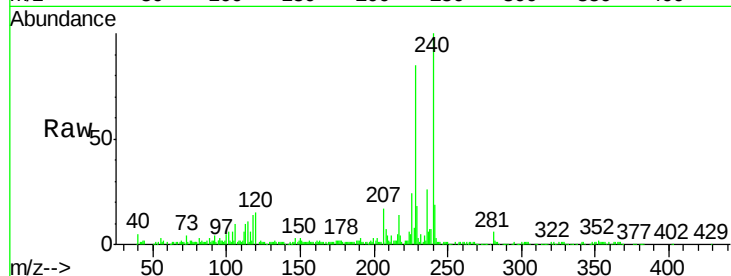
Tgt Ion:228 Resp: 95988

Ion Ratio Lower Upper

228 100

229 20.6 16.6 25.0

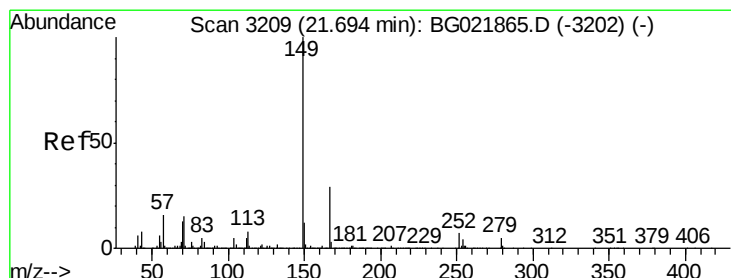
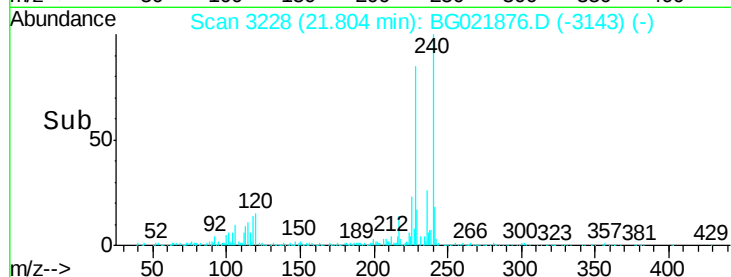
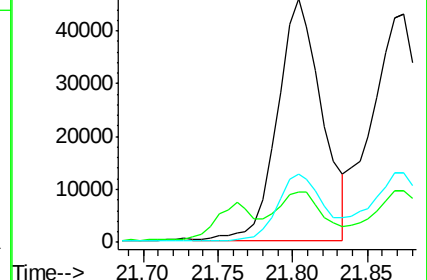
226 28.1 21.0 31.4



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

Bis(2-ethylhexyl)phthalate

Concen: 81.38 ng/ul

RT: 21.69 min Scan# 3209

Delta R.T. -0.00 min

Lab File: BG021876.D

Acq: 12 May 2016 19:55

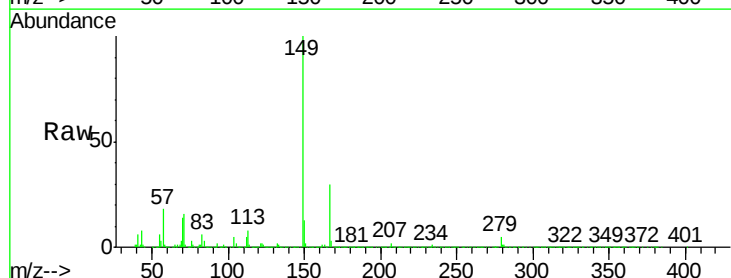
Tgt Ion:149 Resp: 716262

Ion Ratio Lower Upper

149 100

167 30.0 20.5 30.7

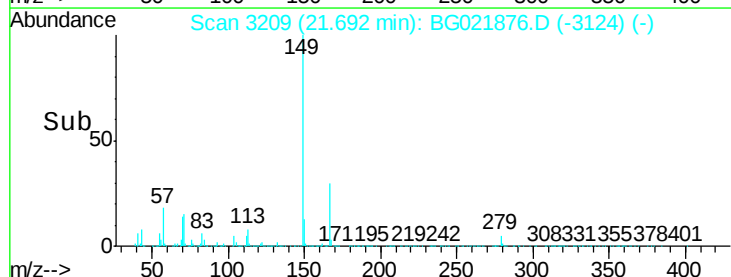
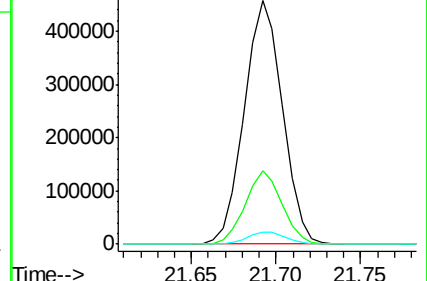
279 4.9 3.7 5.5

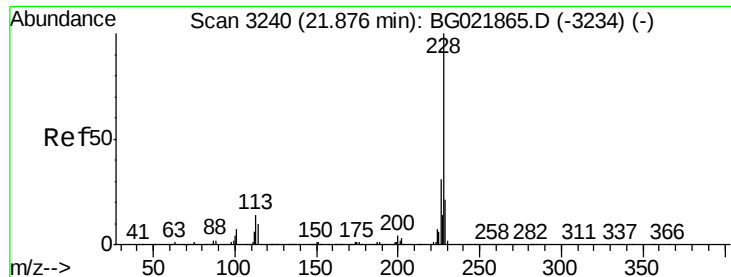


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#83

Chrysene

Concen: 4.00 ng/ul

RT: 21.87 min Scan# 3240

Delta R.T. -0.00 min

Lab File: BG021876.D

Acq: 12 May 2016 19:55

Instrument :

BNA_G

ClientSampleId :

D9WK3

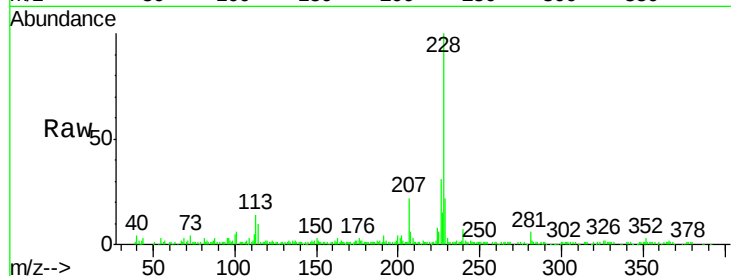
Tgt Ion:228 Resp: 92849

Ion Ratio Lower Upper

228 100

226 30.6 23.4 35.2

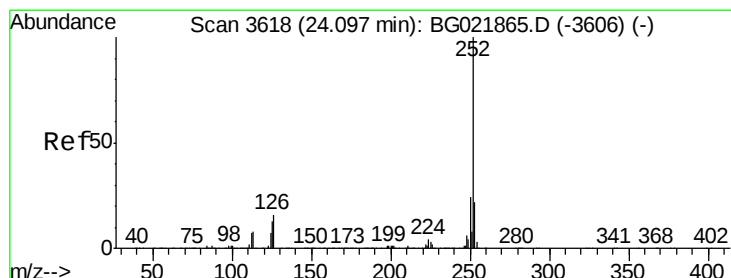
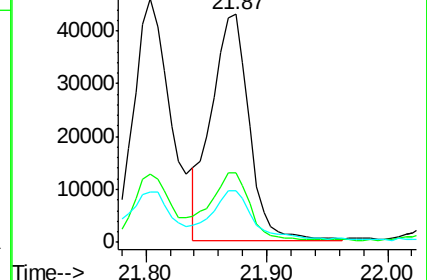
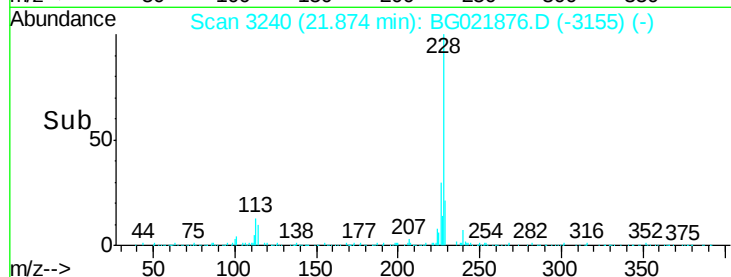
229 22.5 16.2 24.2



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



#86

Benzo(b)fluoranthene

Concen: 5.65 ng/ul

RT: 24.09 min Scan# 3618

Delta R.T. -0.00 min

Lab File: BG021876.D

Acq: 12 May 2016 19:55

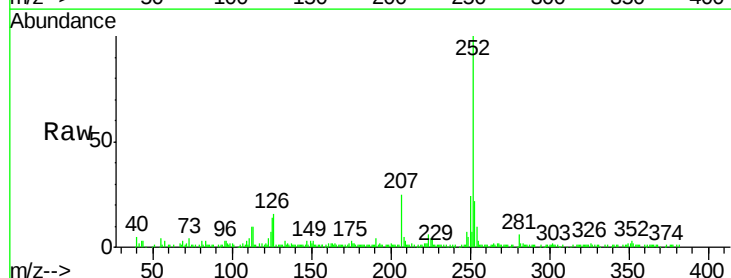
Tgt Ion:252 Resp: 137623

Ion Ratio Lower Upper

252 100

253 21.8 18.1 27.1

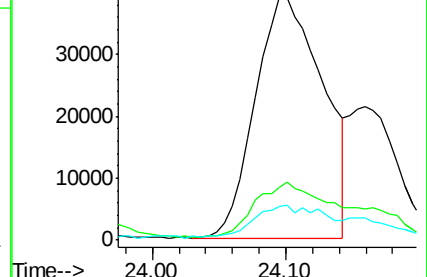
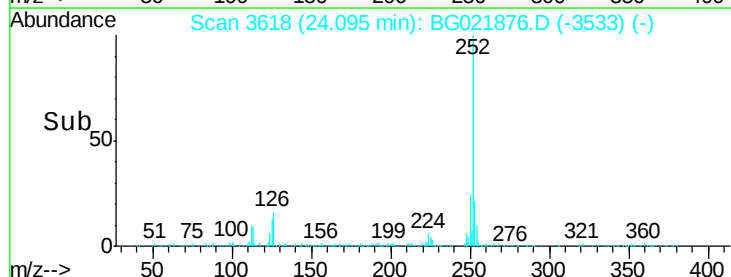
125 14.1 7.6 11.4#

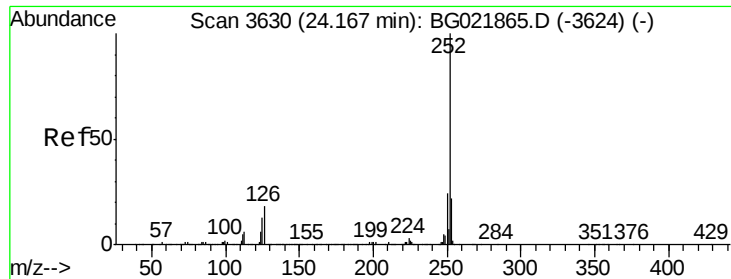


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

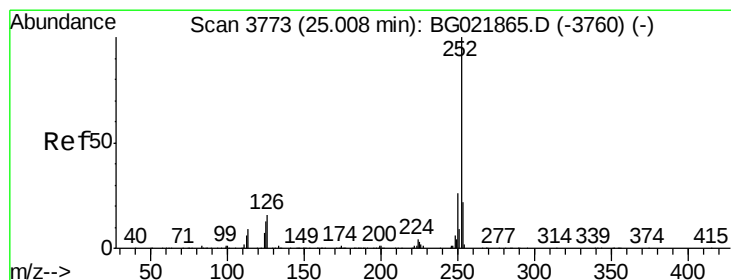
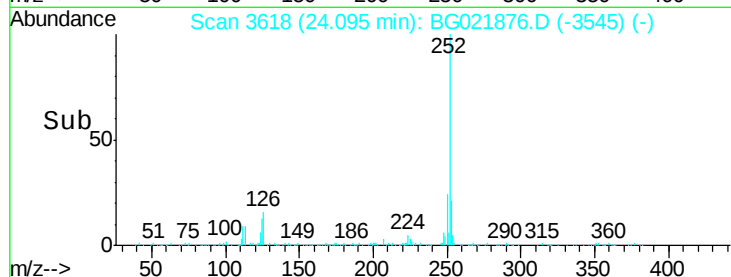
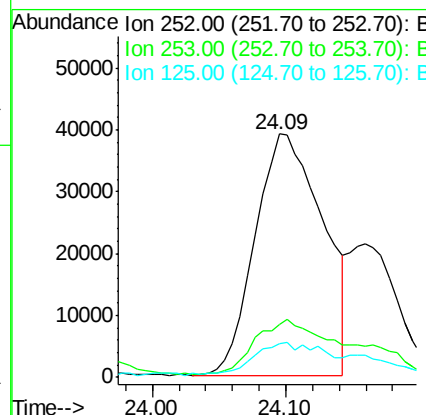
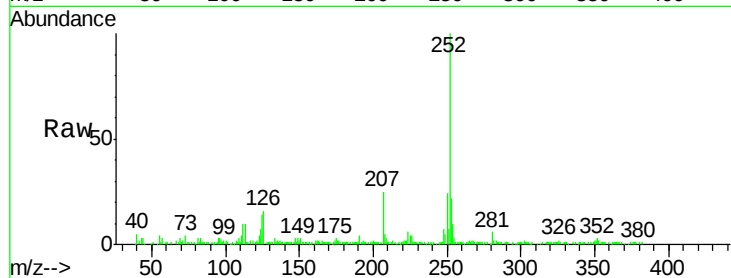




#87
Benzo(k)fluoranthene
Concen: 5.28 ng/ul
RT: 24.09 min Scan# 3618
Delta R.T. -0.07 min
Lab File: BG021876.D
Acq: 12 May 2016 19:55

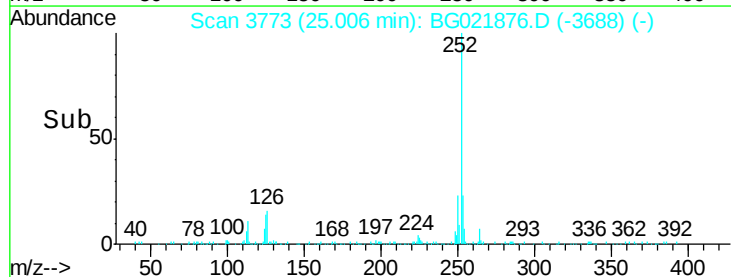
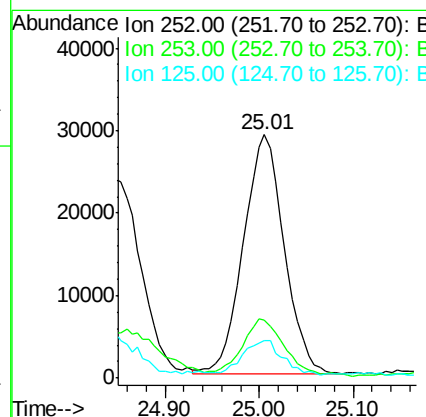
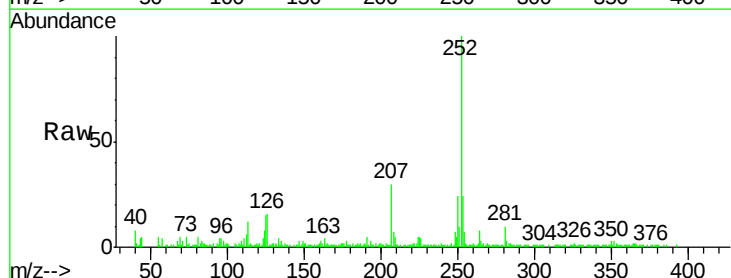
Instrument :
BNA_G
ClientSampled :
D9WK3

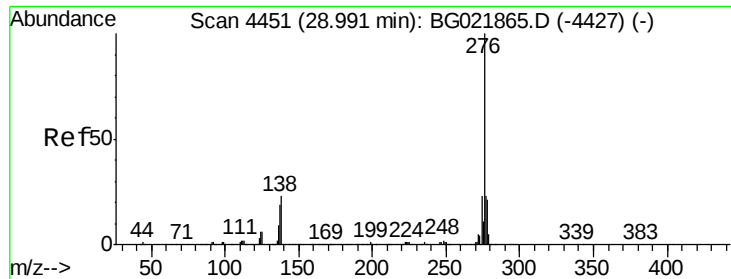
Tgt Ion: 252 Resp: 137623
Ion Ratio Lower Upper
252 100
253 21.8 17.8 26.8
125 14.1 7.7 11.5#



#89
Benzo(a)pyrene
Concen: 3.58 ng/ul
RT: 25.01 min Scan# 3773
Delta R.T. -0.00 min
Lab File: BG021876.D
Acq: 12 May 2016 19:55

Tgt Ion: 252 Resp: 86908
Ion Ratio Lower Upper
252 100
253 23.9 17.4 26.0
125 15.3 8.2 12.2#





#90

Indeno(1,2,3-cd)pyrene

Concen: 2.47 ng/ul

RT: 28.98 min Scan# 4449

Delta R.T. -0.01 min

Lab File: BG021876.D

Acq: 12 May 2016 19:55

Instrument :

BNA_G

ClientSampleId :

D9WK3

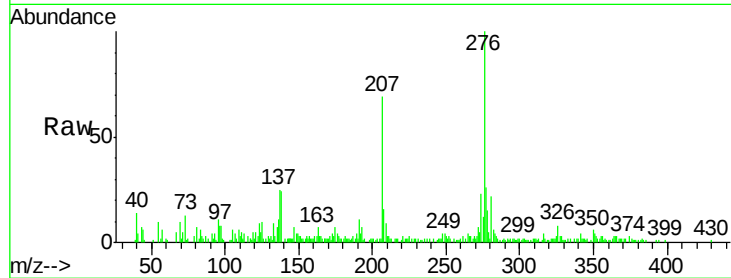
Tgt Ion:276 Resp: 71113

Ion Ratio Lower Upper

276 100

138 24.5 15.8 23.6#

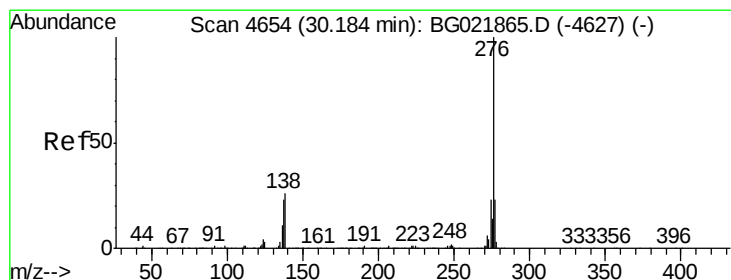
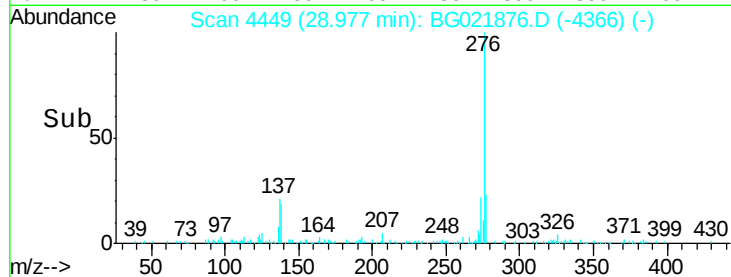
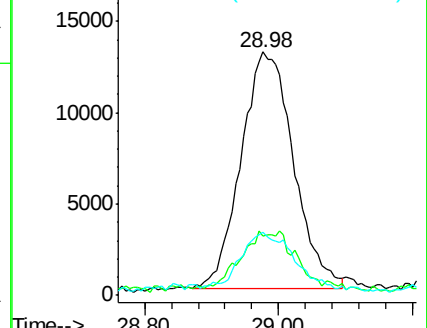
277 25.7 19.0 28.6



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



#92

Benzo(g,h,i)perylene

Concen: 2.42 ng/ul

RT: 30.18 min Scan# 4654

Delta R.T. -0.00 min

Lab File: BG021876.D

Acq: 12 May 2016 19:55

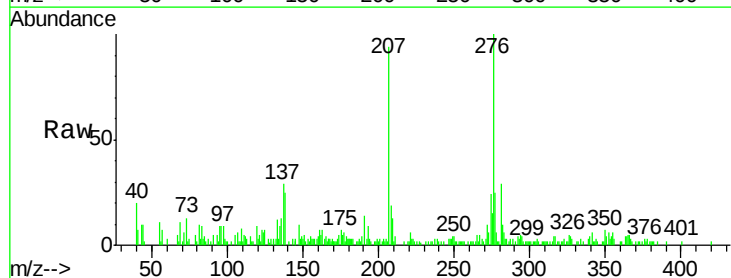
Tgt Ion:276 Resp: 57409

Ion Ratio Lower Upper

276 100

138 25.5 13.9 20.9#

277 25.3 19.8 29.6



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

