

Data Path : Z:\HPCHEM1\BNA G\DATA\BG051516\
 Data File : BG021893.D
 Acq On : 15 May 2016 14:55
 Operator : UM/SJ
 Sample : H3096-05
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9XG0

Quant Time: May 16 01:28:53 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG050916.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon May 16 01:27:47 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	42810	20.00	ng/ul	0.00
18) Naphthalene-d8	10.98	136	227685	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.79	164	144757	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.73	188	686	20.00	ng/ul	0.20
76) Chrysene-d12	21.96	240	1118	20.00	ng/ul	0.15
84) Perylene-d12	25.15	264	340110	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.54	96	3577	4.03	ng/uL	0.00
5) Phenol-d5	7.31	99	66611	20.97	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.48	67	35278	22.40	ng/ul	0.00
9) 2-Chlorophenol-d4	7.69	132	65729	26.66	ng/ul	0.00
13) 4-Methylphenol-d8	8.86	113	44808	16.79	ng/ul	0.00
19) Nitrobenzene-d5	9.33	128	35530	23.74	ng/ul	0.00
22) 2-Nitrophenol-d4	10.06	143	38869	41.11	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.60	165	70051	26.20	ng/ul	0.00
29) 4-Chloroaniline-d4	11.37	131	120	0.04	ng/ul	0.25
44) Dimethylphthalate-d6	14.19	166	268926	26.45	ng/ul	0.00
47) Acenaphthylene-d8	14.48	160	358024	24.80	ng/ul	0.00
52) 4-Nitrophenol-d4	14.98	143	23627	13.56	ng/ul	0.00
58) Fluorene-d10	15.78	176	254124	23.74	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	16.04	200	73	38.42	ng/ul	0.15
71) Anthracene-d10	17.73	188	686	20.54	ng/ul	0.10
77) Pyrene-d10	19.91	212	415505	7939.81	ng/ul	0.00
88) Benzo(a)pyrene-d12	24.92	264	390167	24.14	ng/ul	0.00
Target Compounds						
4) Benzaldehyde	7.69	77	851	2.46	ng/ul#	89
45) Dimethylphthalate	14.23	163	100446	9.70	ng/ul	97
55) 2,4-Dinitrotoluene	14.79	165	19339	6.83	ng/ul#	24
65) N-Nitrosodiphenylamine	16.23	169	321	16.03	ng/ul#	26
68) Atrazine	17.16	200	53	9.21	ng/ul#	35
69) Pentachlorophenol	17.18	266	2729	863.02	ng/ul	92
70) Phenanthrene	17.66	178	39712	1058.86	ng/ul	97
72) Anthracene	17.66	178	39712	1042.48	ng/ul	97
73) Carbazole	17.94	167	23752	719.11	ng/ul	96
74) Di-n-butylphthalate	18.69	149	222	7.40	ng/ul#	1
75) Fluoranthene	19.73	202	2020	47.41	ng/ul	98
78) Pyrene	20.05	202	299	4.62	ng/ul#	70
79) Butylbenzylphthalate	20.95	149	244	17.06	ng/ul#	81
80) 3,3'-Dichlorobenzidine	21.86	252	586	31.72	ng/ul#	9
81) Benzo(a)anthracene	21.86	228	148532	2387.30	ng/ul	94
82) Bis(2-ethylhexyl)phthalate	21.83	149	713	30.55	ng/ul#	72
83) Chrysene	21.86	228	148743	2416.87	ng/ul	97
86) Benzo(b)fluoranthene	24.09	252	207095	10.64	ng/ul#	95
87) Benzo(k)fluoranthene	24.09	252	207095	9.94	ng/ul#	95
89) Benzo(a)pyrene	25.00	252	140359	7.24	ng/ul#	91
90) Indeno(1,2,3-cd)pyrene	28.95	276	99769	4.34	ng/ul#	94
92) Benzo(a,h,i)perylene	30.15	276	88622	4.68	ng/ul#	92

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QLast Update : Mon May 16 01:27:47 2016
Response via : Initial Calibration

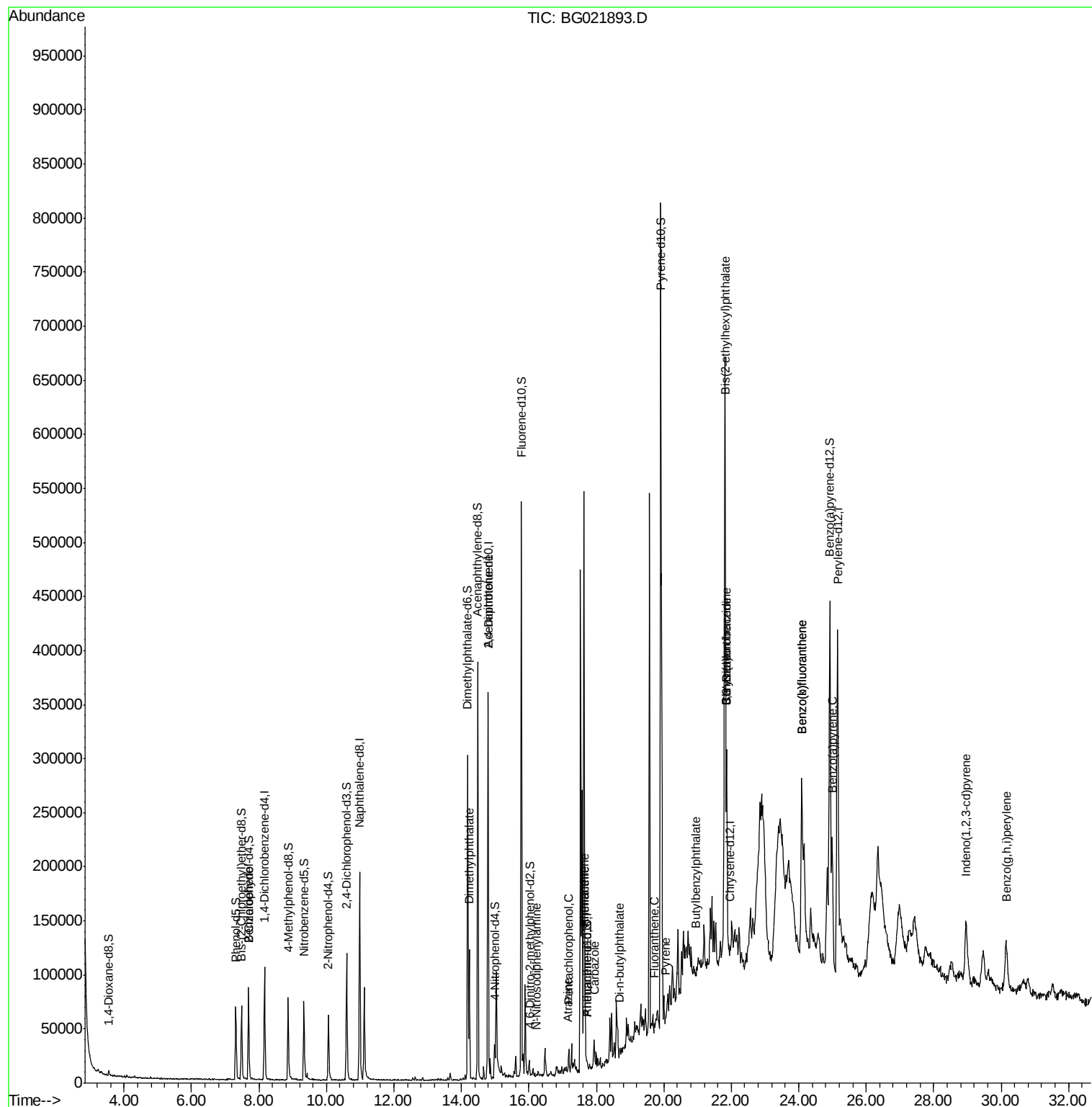
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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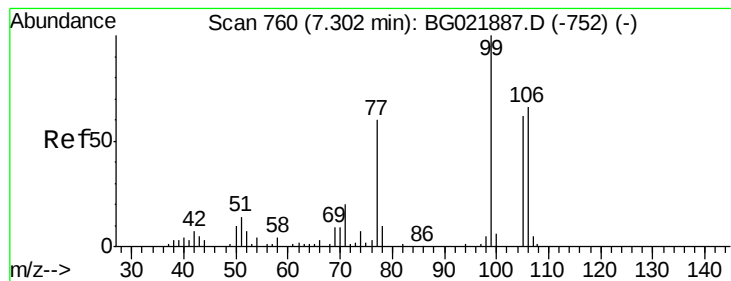
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#4

Benzaldehyde

Concen: 2.46 ng/ul

RT: 7.69 min Scan# 826

Delta R.T. 0.39 min

Lab File: BG021893.D

Acq: 15 May 2016 14:55

Instrument :

BNA_G

ClientSampleId :

D9XG0

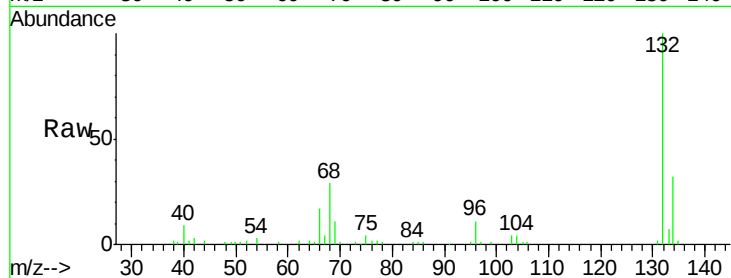
Tot Ion: 77 Resp: 851

Ion Ratio Lower Upper

77 100

105 67.2 68.5 102.7#

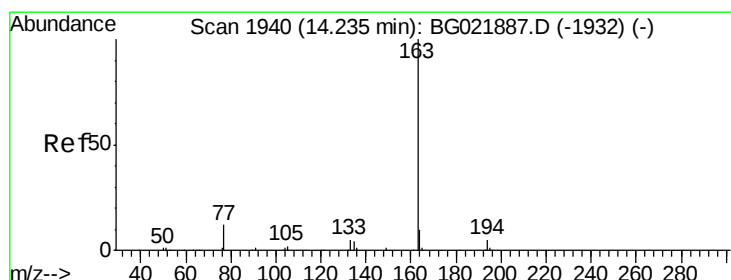
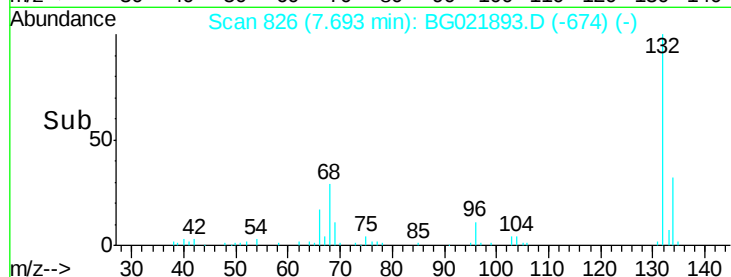
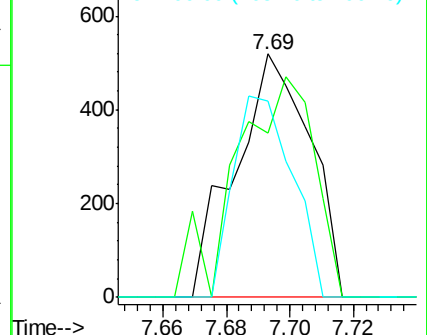
106 80.5 65.0 97.4



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: 9.70 ng/ul

RT: 14.23 min Scan# 1939

Delta R.T. -0.00 min

Lab File: BG021893.D

Acq: 15 May 2016 14:55

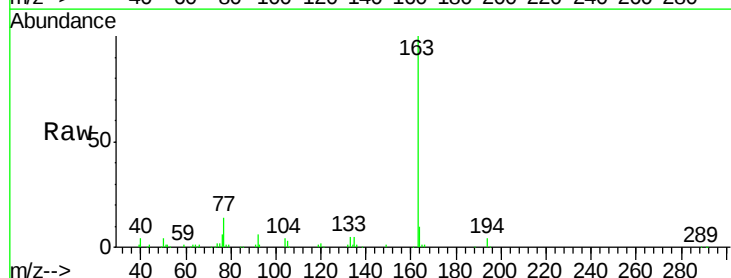
Tgt Ion:163 Resp: 100446

Ion Ratio Lower Upper

163 100

194 4.3 3.9 5.9

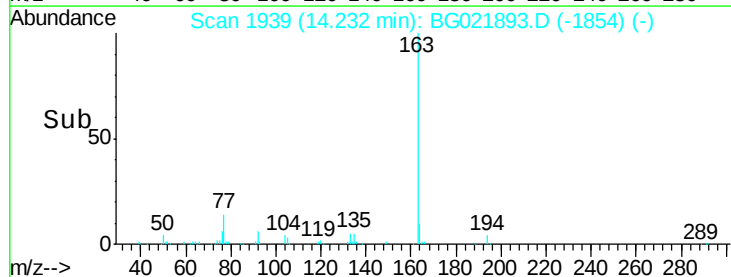
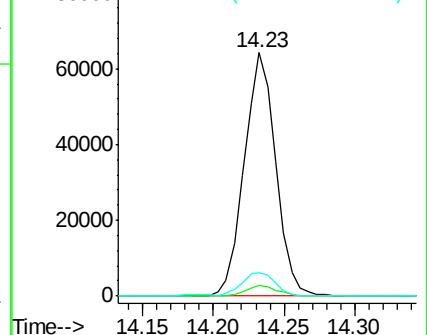
164 9.5 8.7 13.1

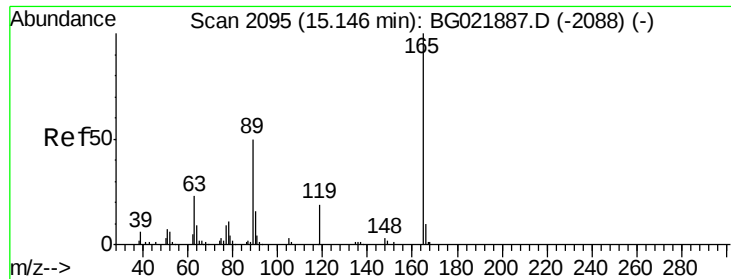


Abundance Ion 163.00 (162.70 to 163.70): BGC

Ion 194.00 (193.70 to 194.70): BGC

Ion 164.00 (163.70 to 164.70): BGC





#55

2,4-Dinitrotoluene

Concen: 6.83 ng/ul

RT: 14.79 min Scan# 2034

Delta R.T. -0.36 min

Lab File: BG021893.D

Acq: 15 May 2016 14:55

Instrument :

BNA_G

ClientSampleId :

D9XG0

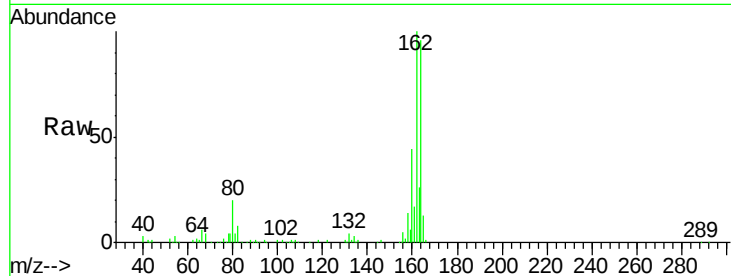
Tot Ion:165 Resp: 19339

Ion Ratio Lower Upper

165 100

63 0.0 48.1 72.1#

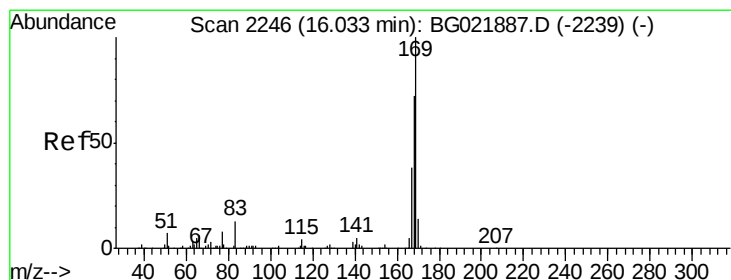
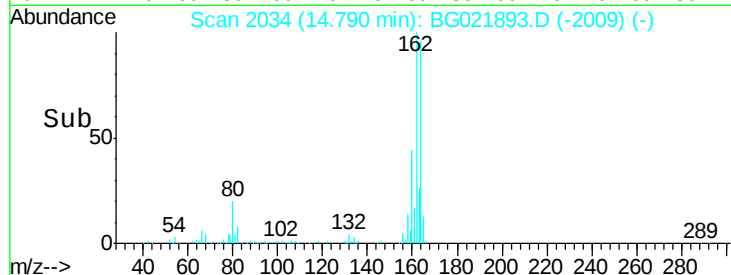
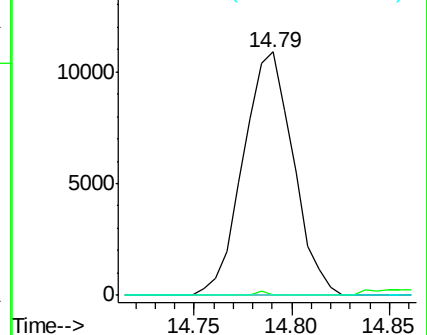
182 0.0 2.2 3.2#



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



#65

N-Nitrosodiphenylamine

Concen: 16.03 ng/ul

RT: 16.23 min Scan# 2279

Delta R.T. 0.20 min

Lab File: BG021893.D

Acq: 15 May 2016 14:55

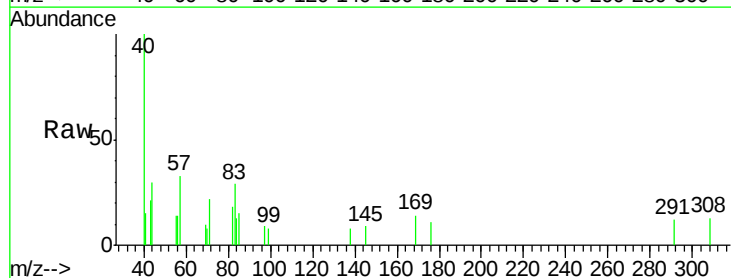
Tgt Ion:169 Resp: 321

Ion Ratio Lower Upper

169 100

168 0.0 51.2 76.8#

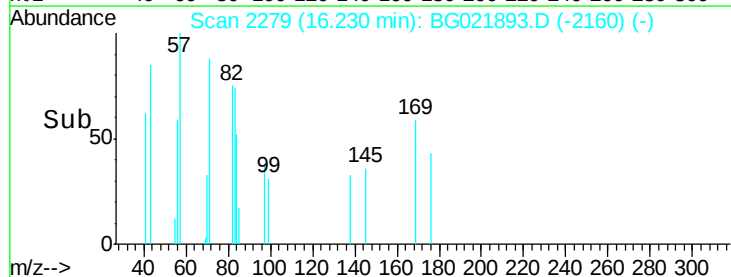
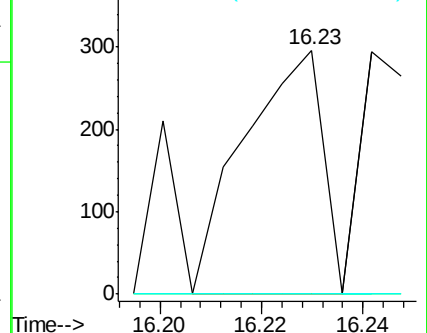
167 0.0 28.6 43.0#

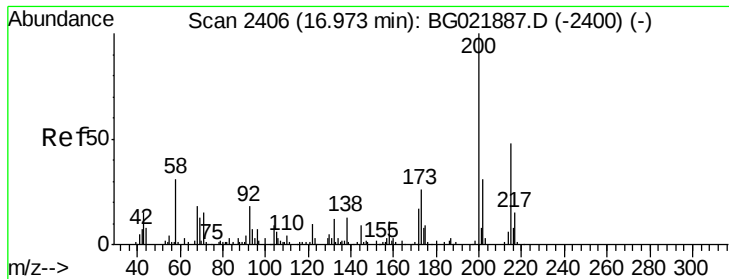


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#68

Atrazine

Concen: 9.21 ng/ul

RT: 17.16 min Scan# 2437

Delta R.T. 0.18 min

Lab File: BG021893.D

Acq: 15 May 2016 14:55

Instrument :

BNA_G

ClientSampled :

D9XG0

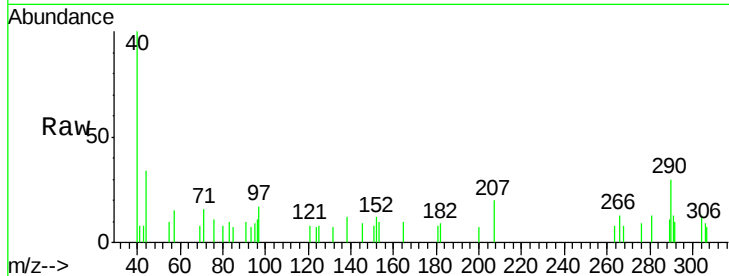
Tot Ion:200 Resp: 53

Ion Ratio Lower Upper

200 100

173 0.0 19.2 28.8#

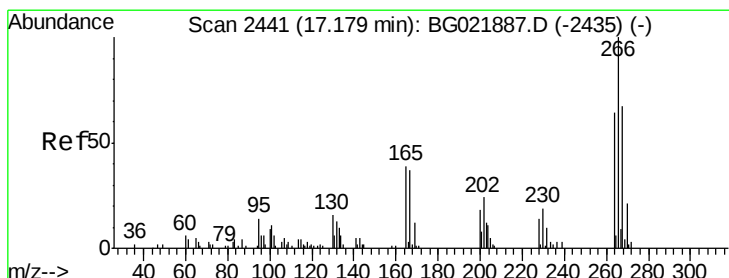
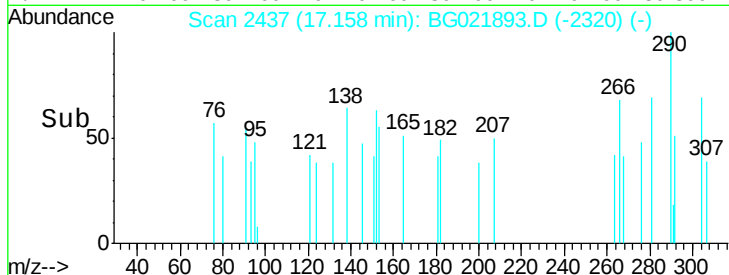
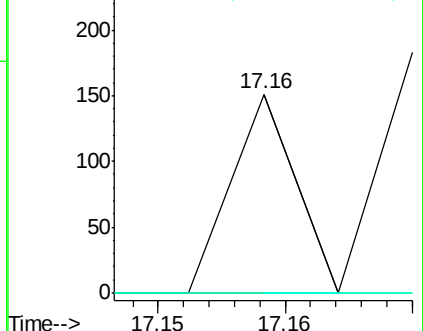
215 0.0 40.2 60.2#



Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#69

Pentachlorophenol

Concen: 863.02 ng/ul

RT: 17.18 min Scan# 2441

Delta R.T. 0.00 min

Lab File: BG021893.D

Acq: 15 May 2016 14:55

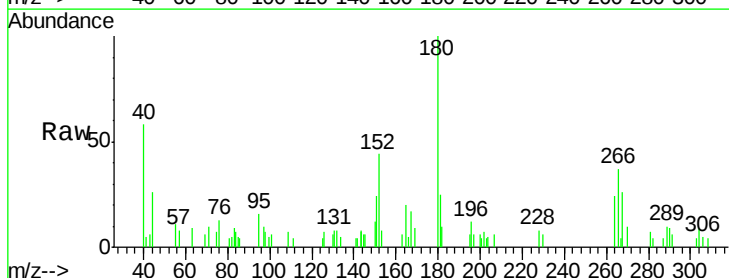
Tgt Ion:266 Resp: 2729

Ion Ratio Lower Upper

266 100

264 66.2 56.7 85.1

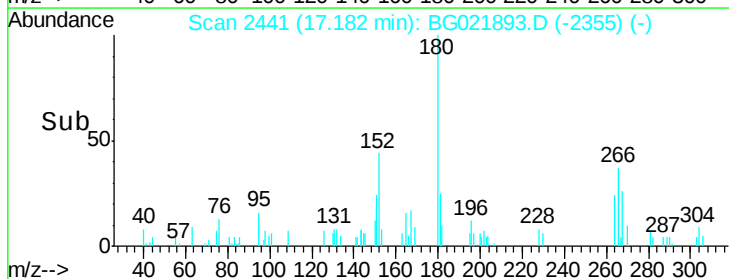
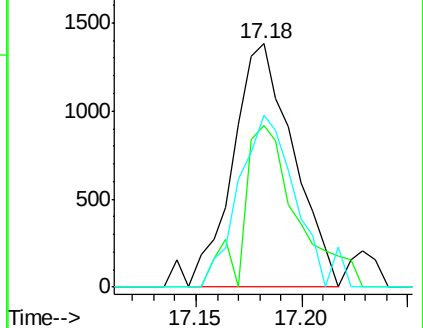
268 70.8 50.6 76.0

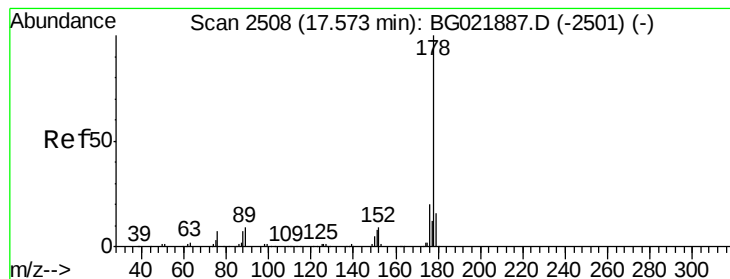


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#70

Phenanthrene

Concen: 1058.86 ng/ul

RT: 17.66 min Scan# 2523

Delta R.T. 0.09 min

Lab File: BG021893.D

Acq: 15 May 2016 14:55

Instrument :

BNA_G

ClientSampleId :

D9XG0

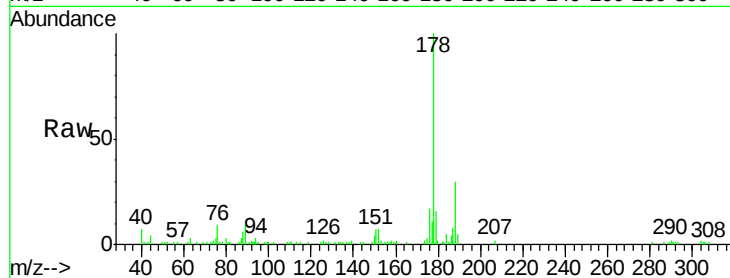
Tot Ion:178 Resp: 39712

Ion Ratio Lower Upper

178 100

179 16.2 11.8 17.8

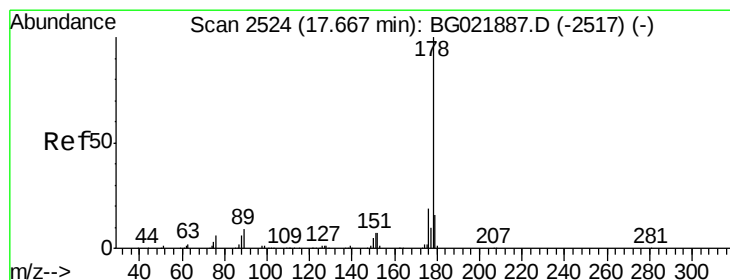
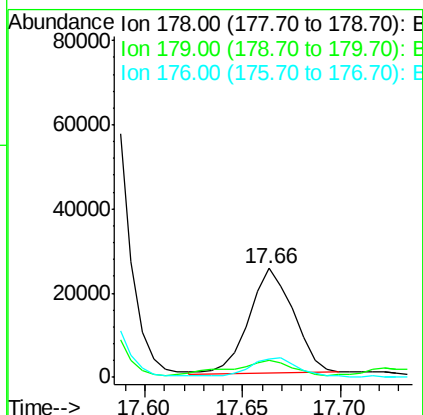
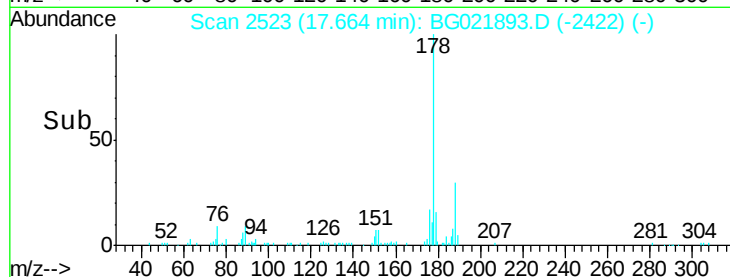
176 17.2 14.8 22.2



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: 1042.48 ng/ul

RT: 17.66 min Scan# 2523

Delta R.T. -0.00 min

Lab File: BG021893.D

Acq: 15 May 2016 14:55

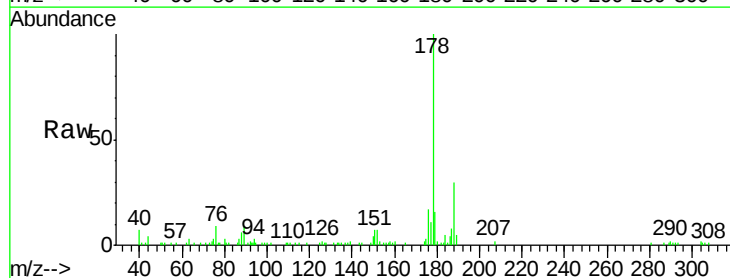
Tgt Ion:178 Resp: 39712

Ion Ratio Lower Upper

178 100

179 16.2 12.9 19.3

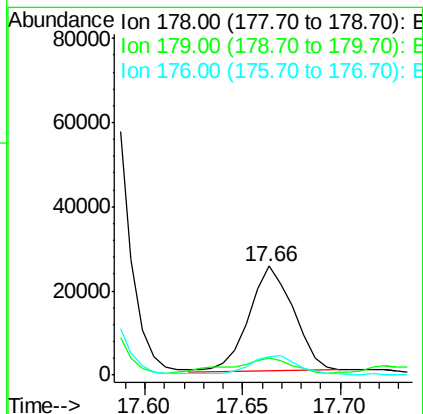
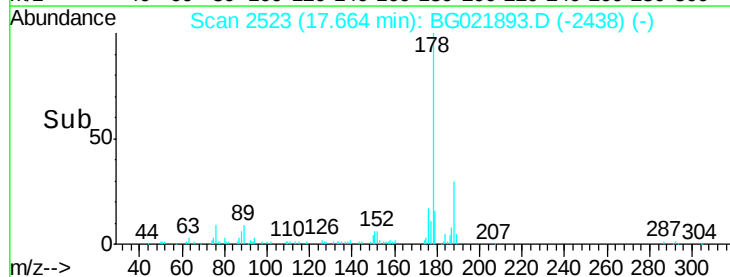
176 17.2 15.6 23.4

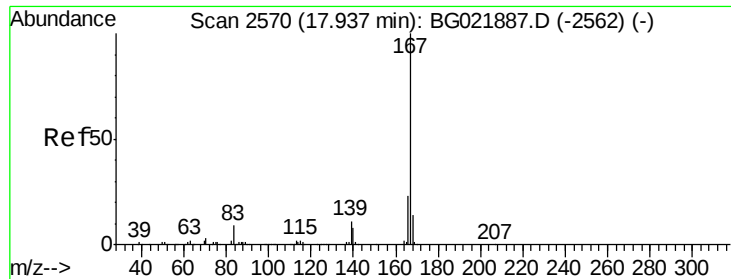


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#73

Carbazole

Concen: 719.11 ng/ul

RT: 17.94 min Scan# 2570

Delta R.T. 0.00 min

Lab File: BG021893.D

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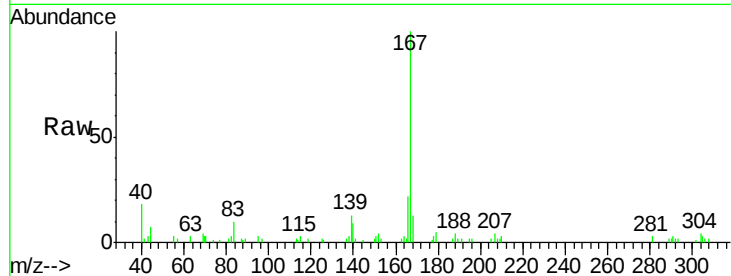
Tot Ion:167 Resp: 23752

Ion Ratio Lower Upper

167 100

166 22.1 19.0 28.4

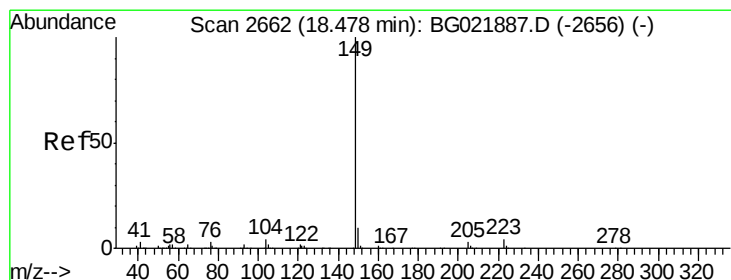
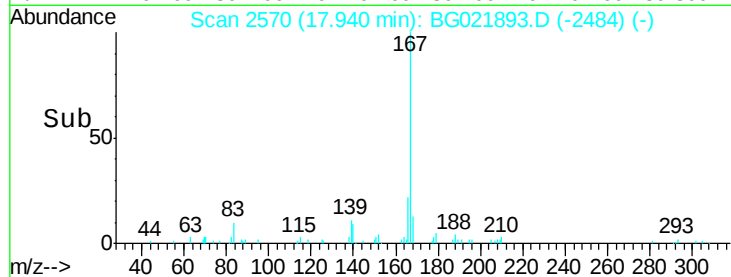
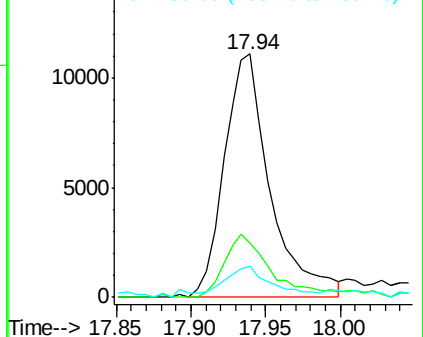
139 12.9 12.2 18.4



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



#74

Di-n-butylphthalate

Concen: 7.40 ng/ul

RT: 18.69 min Scan# 2697

Delta R.T. 0.21 min

Lab File: BG021893.D

Acq: 15 May 2016 14:55

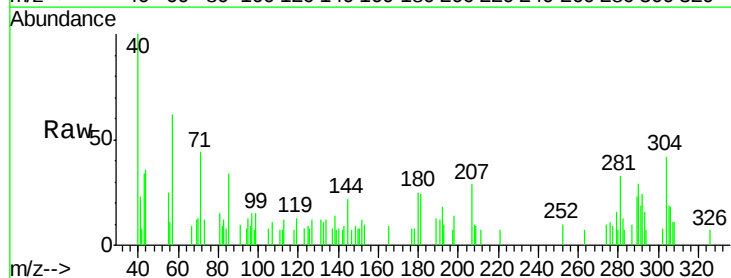
Tgt Ion:149 Resp: 222

Ion Ratio Lower Upper

149 100

150 81.9 7.5 11.3#

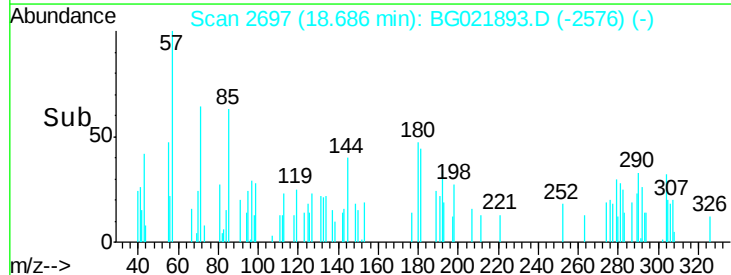
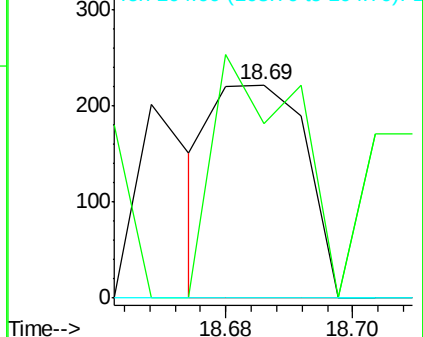
104 0.0 5.4 8.2#

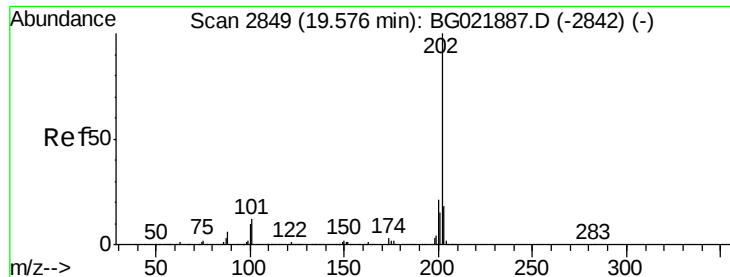


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 47.41 ng/ul

RT: 19.73 min Scan# 2874

Delta R.T. 0.15 min

Lab File: BG021893.D

Acq: 15 May 2016 14:55

Instrument :

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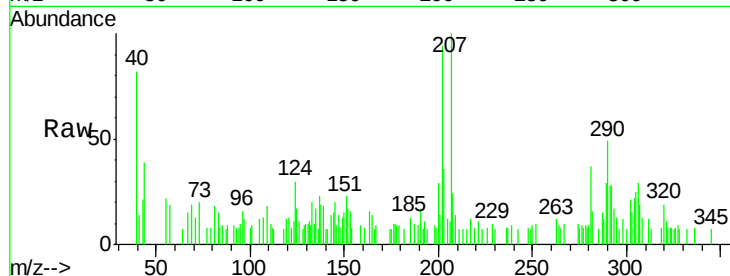
Tot Ion:202 Resp: 2020

Ion Ratio Lower Upper

202 100

101 10.0 8.9 13.3

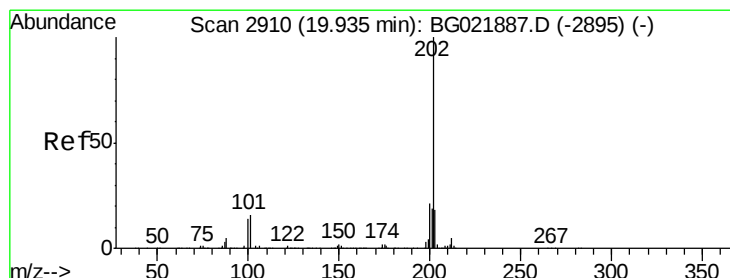
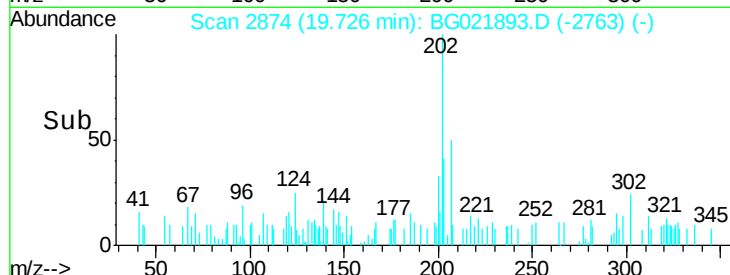
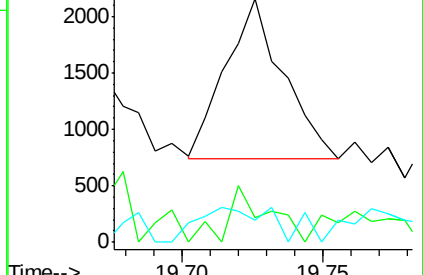
100 8.9 7.0 10.4



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: 4.62 ng/ul

RT: 20.05 min Scan# 2930

Delta R.T. 0.12 min

Lab File: BG021893.D

Acq: 15 May 2016 14:55

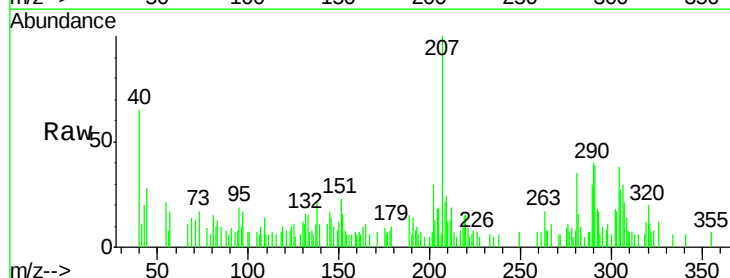
Tgt Ion:202 Resp: 299

Ion Ratio Lower Upper

202 100

101 23.9 9.8 14.8#

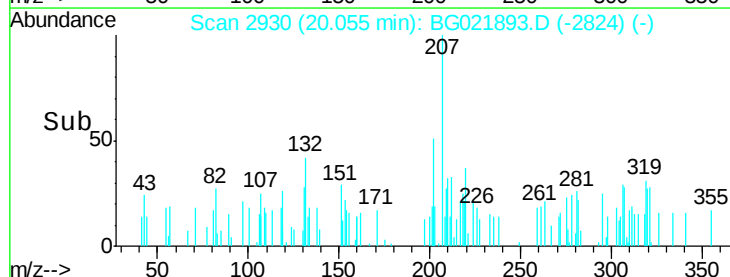
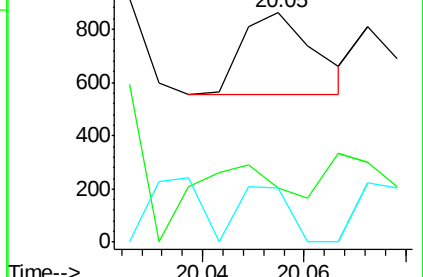
100 23.6 9.3 13.9#

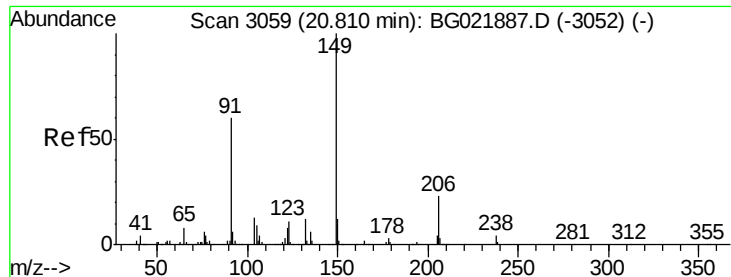


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#79

Butylbenzylphthalate

Concen: 17.06 ng/ul

RT: 20.95 min Scan# 3082

Delta R.T. 0.14 min

Lab File: BG021893.D

Acq: 15 May 2016 14:55

Instrument :

BNA_G

ClientSampled :

D9XG0

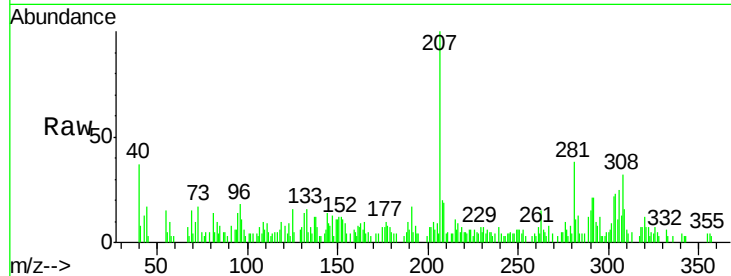
Tot Ion:149 Resp: 244

Ion Ratio Lower Upper

149 100

91 70.2 65.8 98.8

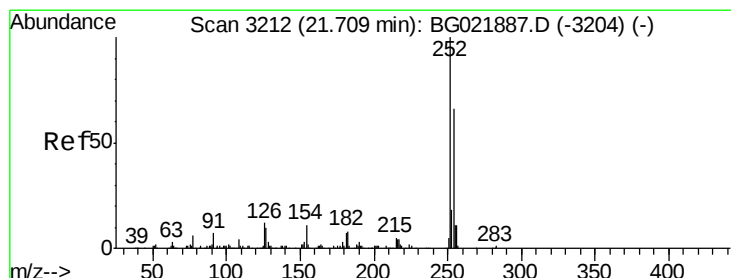
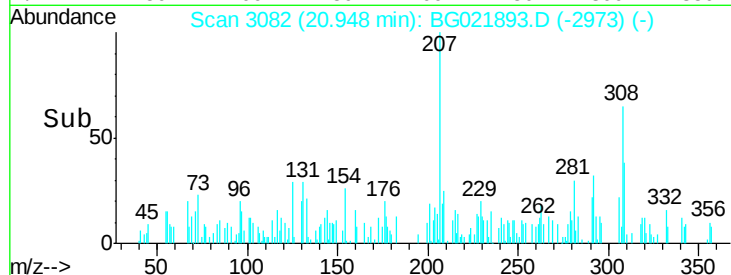
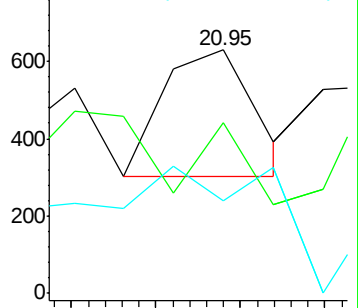
206 37.9 15.5 23.3#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E



#80

3,3'-Dichlorobenzidine

Concen: 31.72 ng/ul

RT: 21.86 min Scan# 3237

Delta R.T. 0.15 min

Lab File: BG021893.D

Acq: 15 May 2016 14:55

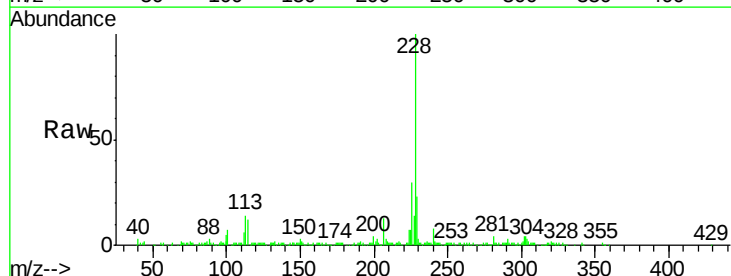
Tgt Ion:252 Resp: 586

Ion Ratio Lower Upper

252 100

254 118.4 52.8 79.2#

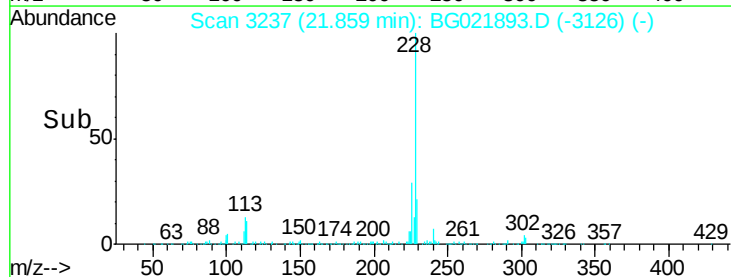
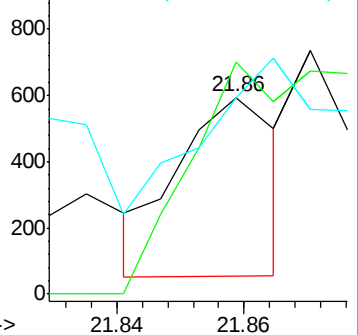
126 99.8 9.8 14.8#

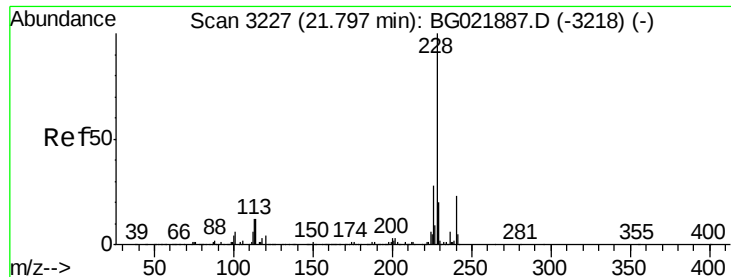


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#81

Benzo(a)anthracene

Concen: 2387.30 ng/ul

RT: 21.86 min Scan# 3238

Delta R.T. 0.07 min

Lab File: BG021893.D

Acq: 15 May 2016 14:55

Instrument :

BNA_G

ClientSampleId :

D9XG0

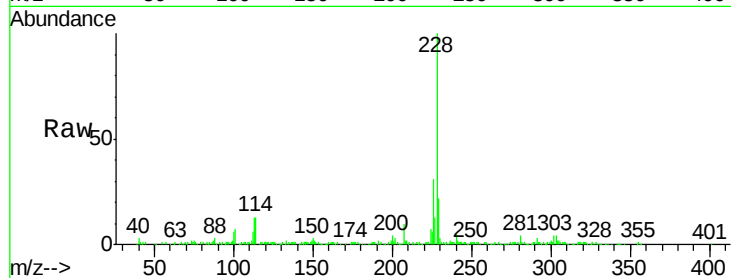
Tot Ion:228 Resp: 148532

Ion Ratio Lower Upper

228 100

229 21.9 16.6 25.0

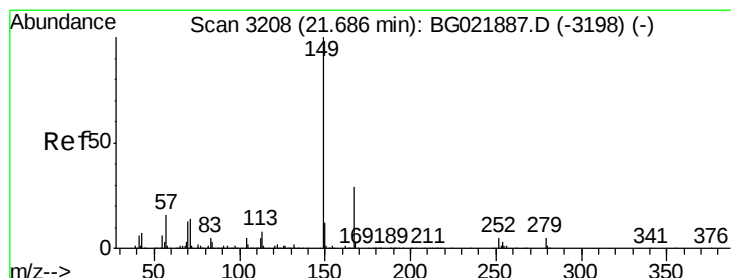
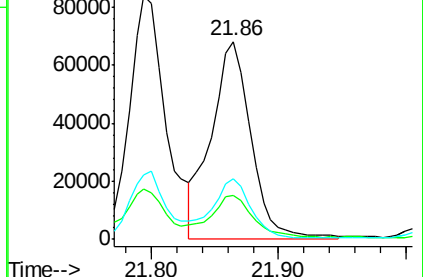
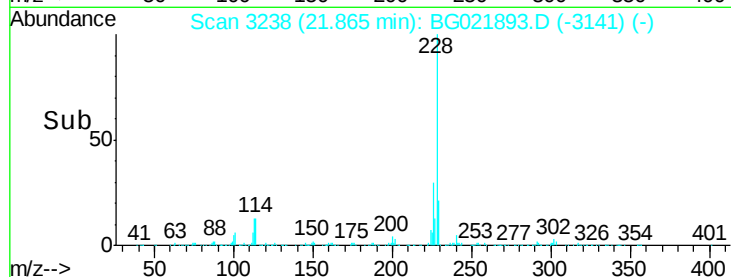
226 30.9 21.0 31.4



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: 30.55 ng/ul

RT: 21.83 min Scan# 3232

Delta R.T. 0.14 min

Lab File: BG021893.D

Acq: 15 May 2016 14:55

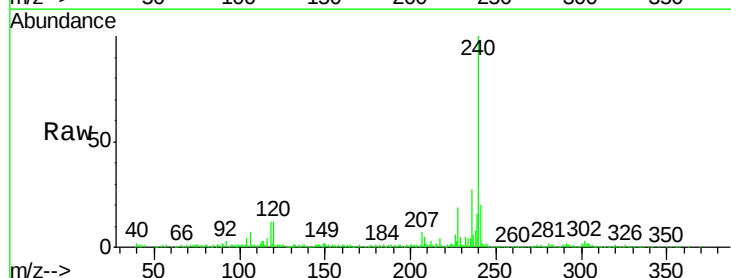
Tgt Ion:149 Resp: 713

Ion Ratio Lower Upper

149 100

167 12.5 20.5 30.7#

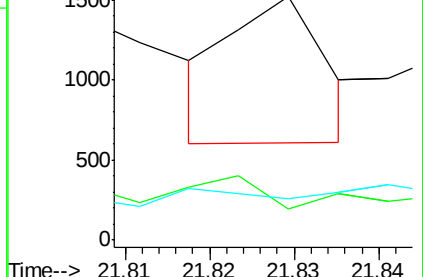
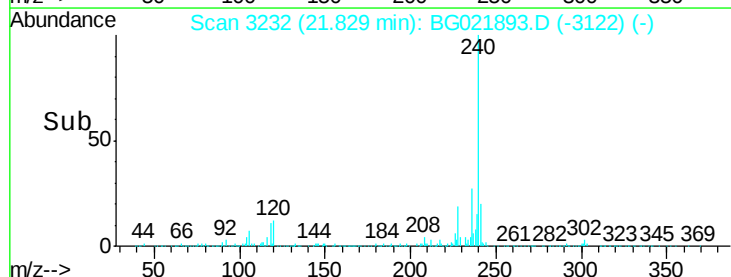
279 17.1 3.7 5.5#

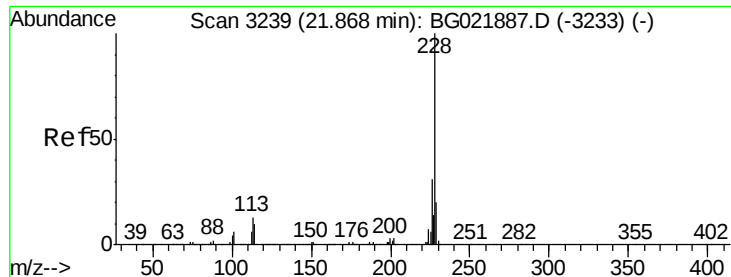


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

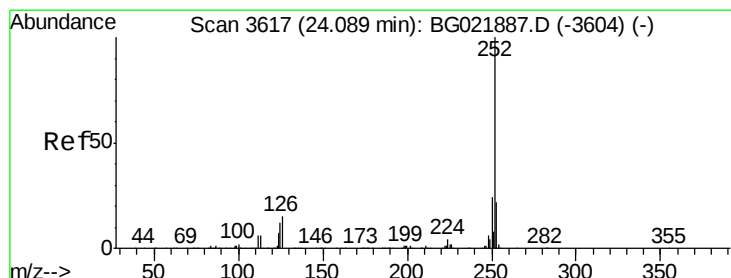
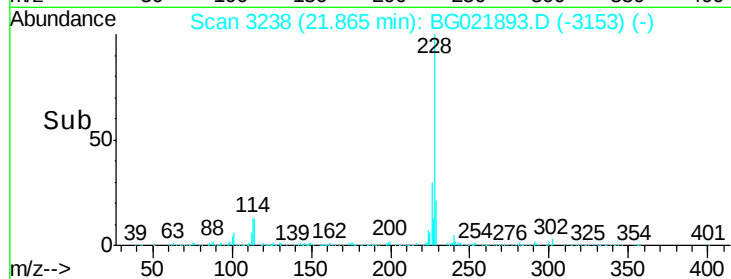
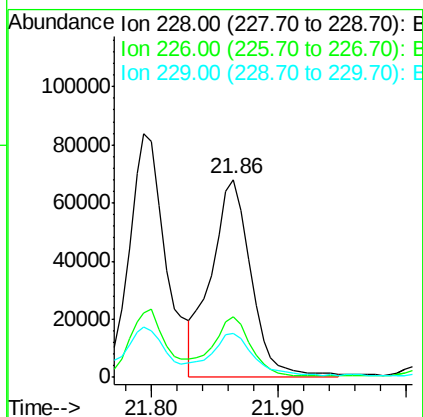
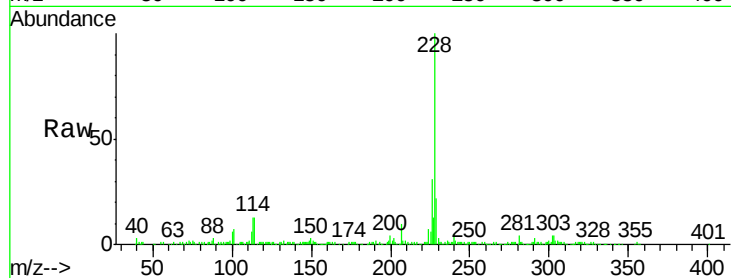




#83
Chrysene
Concen: 2416.87 ng/ul
RT: 21.86 min Scan# 3238
Delta R.T. -0.00 min
Lab File: BG021893.D
Acq: 15 May 2016 14:55

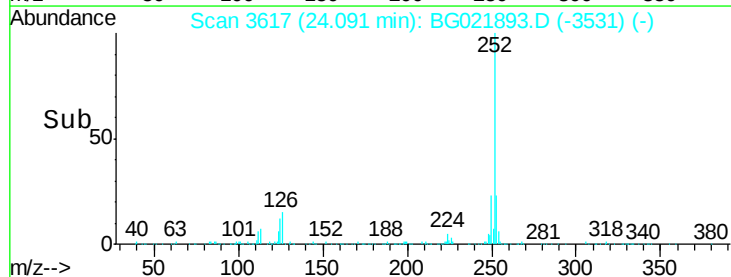
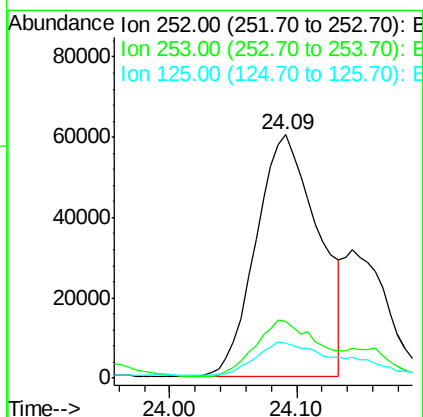
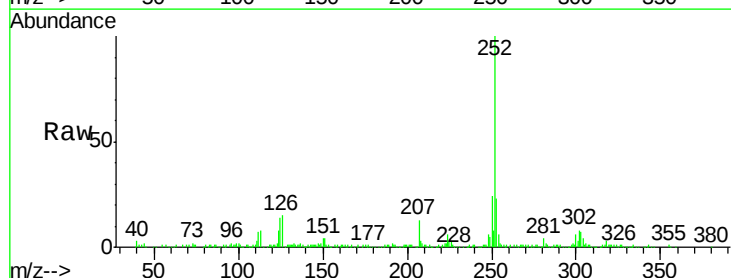
Instrument :
BNA_G
ClientSampleId :
D9XG0

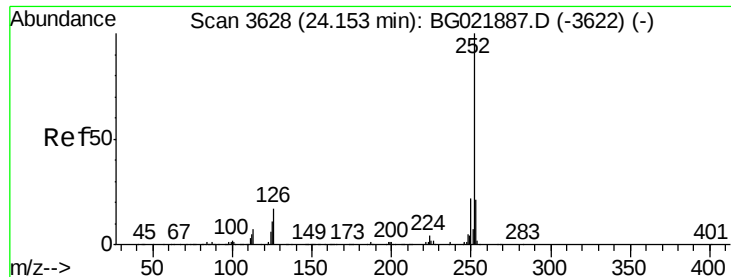
Tot Ion:228 Resp: 148743
Ion Ratio Lower Upper
228 100
226 30.9 23.4 35.2
229 21.9 16.2 24.2



#86
Benzo(b)fluoranthene
Concen: 10.64 ng/ul
RT: 24.09 min Scan# 3617
Delta R.T. 0.00 min
Lab File: BG021893.D
Acq: 15 May 2016 14:55

Tgt Ion:252 Resp: 207095
Ion Ratio Lower Upper
252 100
253 23.2 18.1 27.1
125 14.3 7.6 11.4#





#87

Benzo(k)fluoranthene

Concen: 9.94 ng/ul

RT: 24.09 min Scan# 3617

Delta R.T. -0.06 min

Lab File: BG021893.D

Acq: 15 May 2016 14:55

Instrument :

BNA_G

ClientSampleId :

D9XG0

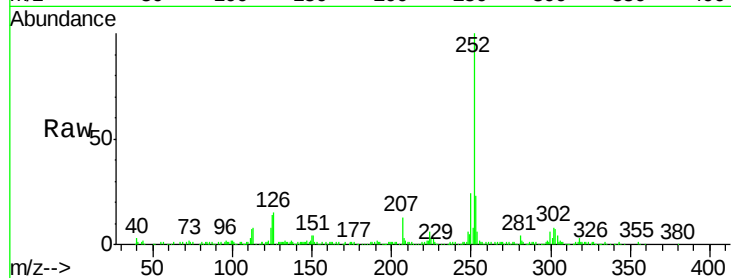
Tot Ion:252 Resp: 207095

Ion Ratio Lower Upper

252 100

253 23.2 17.8 26.8

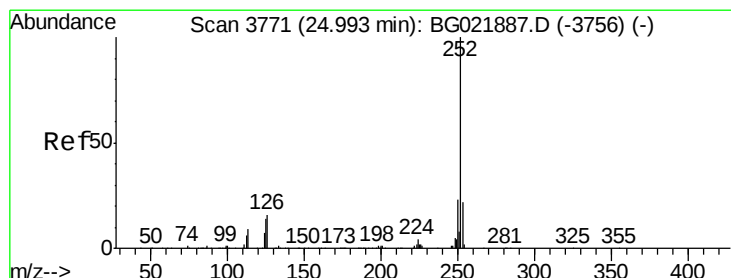
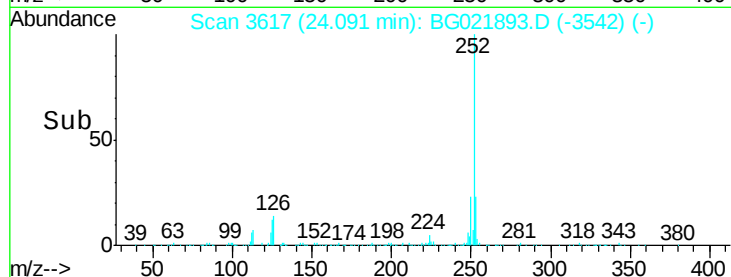
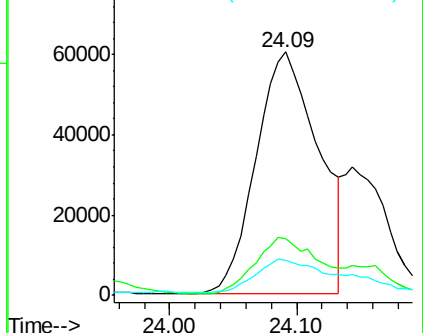
125 14.3 7.7 11.5#



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: 7.24 ng/ul

RT: 25.00 min Scan# 3771

Delta R.T. 0.00 min

Lab File: BG021893.D

Acq: 15 May 2016 14:55

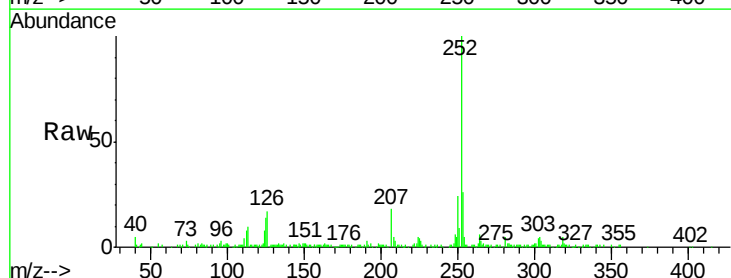
Tgt Ion:252 Resp: 140359

Ion Ratio Lower Upper

252 100

253 25.6 17.4 26.0

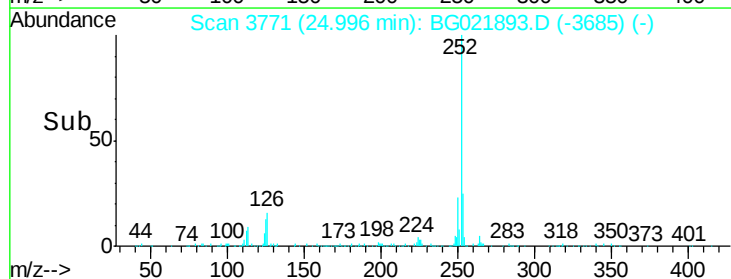
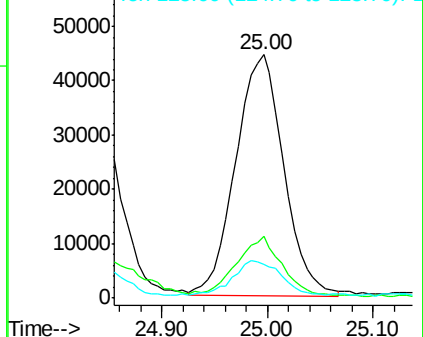
125 13.7 8.2 12.2#

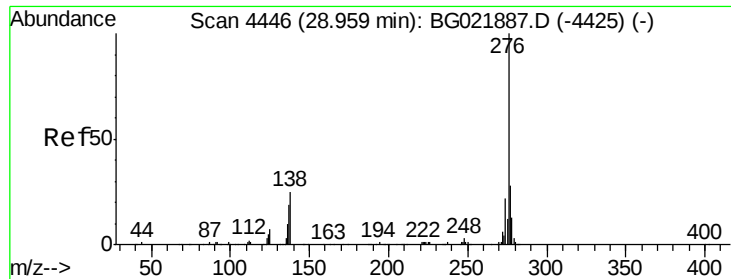


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

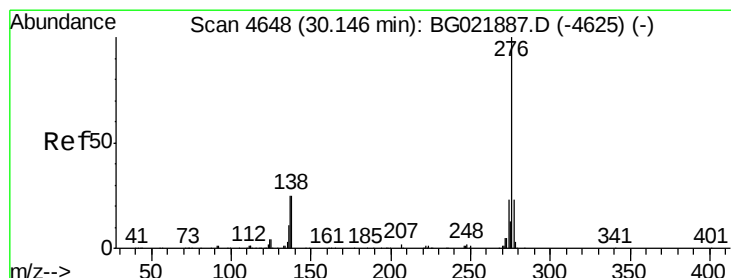
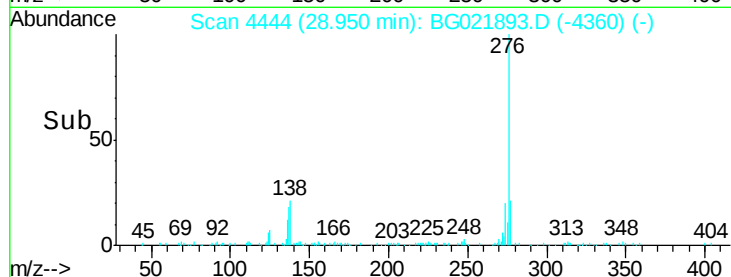
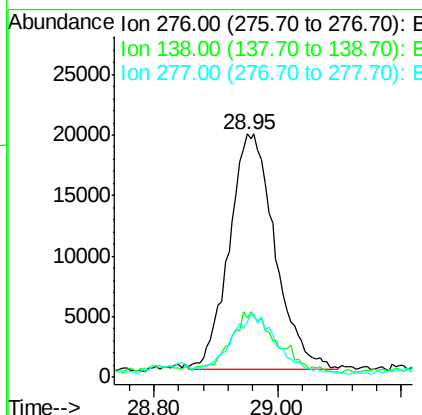
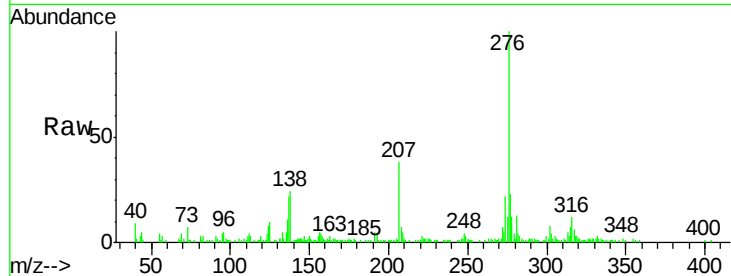




#90
 Indeno(1,2,3-cd)pyrene
 Concen: 4.34 ng/ul
 RT: 28.95 min Scan# 4444
 Delta R.T. -0.01 min
 Lab File: BG021893.D
 Acq: 15 May 2016 14:55

Instrument :
 BNA_G
 ClientSampleId :
 D9XG0

Tot Ion	Ratio	Lower	Upper
276	100		
138	24.4	15.8	23.6#
277	22.5	19.0	28.6



#92
 Benzo(g,h,i)perylene
 Concen: 4.68 ng/ul
 RT: 30.15 min Scan# 4649
 Delta R.T. 0.01 min
 Lab File: BG021893.D
 Acq: 15 May 2016 14:55

Tgt Ion	Ratio	Lower	Upper
276	100		
138	24.0	13.9	20.9#
277	23.2	19.8	29.6

