

Data Path : Z:\HPCHEM1\BNA G\DATA\BG051116\
 Data File : BG021860.D
 Acq On : 12 May 2016 1:41
 Operator : UM/SJ
 Sample : H2936-06MSD
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9WF4MSD

Quant Time: May 12 07:34:50 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG050916.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu May 12 07:33:29 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.19	152	74768	20.00	ng/ul	0.00
18) Naphthalene-d8	11.01	136	360518	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.80	164	205714	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.55	188	435169	20.00	ng/ul	0.00
76) Chrysene-d12	21.83	240	424593	20.00	ng/ul	0.00
84) Perylene-d12	25.18	264	428145	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.57	96	4387	2.83	ng/uL	0.00
5) Phenol-d5	7.33	99	90365	16.29	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.50	67	48009	17.45	ng/ul	0.00
9) 2-Chlorophenol-d4	7.71	132	88488	20.55	ng/ul	0.00
13) 4-Methylphenol-d8	8.88	113	61434	13.18	ng/ul	0.00
19) Nitrobenzene-d5	9.35	128	44813	18.91	ng/ul	0.00
22) 2-Nitrophenol-d4	10.08	143	46508	31.07	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.62	165	82400	19.47	ng/ul	0.00
29) 4-Chloroaniline-d4	11.13	131	48553	10.65	ng/ul	0.00
44) Dimethylphthalate-d6	14.20	166	265812	18.40	ng/ul	0.00
47) Acenaphthylene-d8	14.50	160	362963	17.69	ng/ul	0.00
52) 4-Nitrophenol-d4	15.00	143	29091	11.75	ng/ul	0.00
58) Fluorene-d10	15.79	176	244566	16.08	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.91	200	28086	23.30	ng/ul	0.00
71) Anthracene-d10	17.65	188	344296	16.25	ng/ul	0.00
77) Pyrene-d10	19.92	212	370533	18.64	ng/ul	0.00
88) Benzo(a)pyrene-d12	24.95	264	343941	16.91	ng/ul	0.02

Target Compounds

						Ovalue
4) Benzaldehyde	7.33	77	966	1.60	ng/ul#	86
6) Phenol	7.36	94	91658	15.53	ng/ul#	70
10) 2-Chlorophenol	7.74	128	83983	19.34	ng/ul#	77
15) N-Nitroso-di-n-propylamine	8.98	70	57042	16.45	ng/ul#	74
33) 4-Chloro-3-methylphenol	12.26	107	76107	17.45	ng/ul#	67
45) Dimethylphthalate	14.25	163	46938	3.19	ng/ul	96
50) Acenaphthene	14.87	153	247849	16.97	ng/ul	96
55) 2,4-Dinitrotoluene	15.16	165	71834	17.86	ng/ul#	55
69) Pentachlorophenol	17.19	266	47593	23.73	ng/ul	92
70) Phenanthrene	17.59	178	42156	1.77	ng/ul	96
72) Anthracene	17.59	178	42156	1.74	ng/ul	99
75) Fluoranthene	19.59	202	91844	3.40	ng/ul#	95
78) Pyrene	19.59	202	91844	3.74	ng/ul	99
79) Butylbenzylphthalate	20.82	149	9015	1.66	ng/ul#	86
81) Benzo(a)anthracene	21.82	228	52929	2.24	ng/ul	95
82) Bis(2-ethylhexyl)phthalate	21.70	149	49401	5.57	ng/ul	95
83) Chrysene	21.88	228	57879	2.48	ng/ul	97
86) Benzo(b)fluoranthene	24.12	252	114953	4.69	ng/ul#	93
87) Benzo(k)fluoranthene	24.12	252	114953	4.38	ng/ul#	93
89) Benzo(a)pyrene	25.02	252	64701	2.65	ng/ul#	94
90) Indeno(1,2,3-cd)pyrene	29.01	276	46800	1.62	ng/ul#	92
92) Benzo(a,h,i)perylene	30.21	276	32941	1.38	ng/ul#	87

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QLast Update : Thu May 12 07:33:29 2016
Response via : Initial Calibration

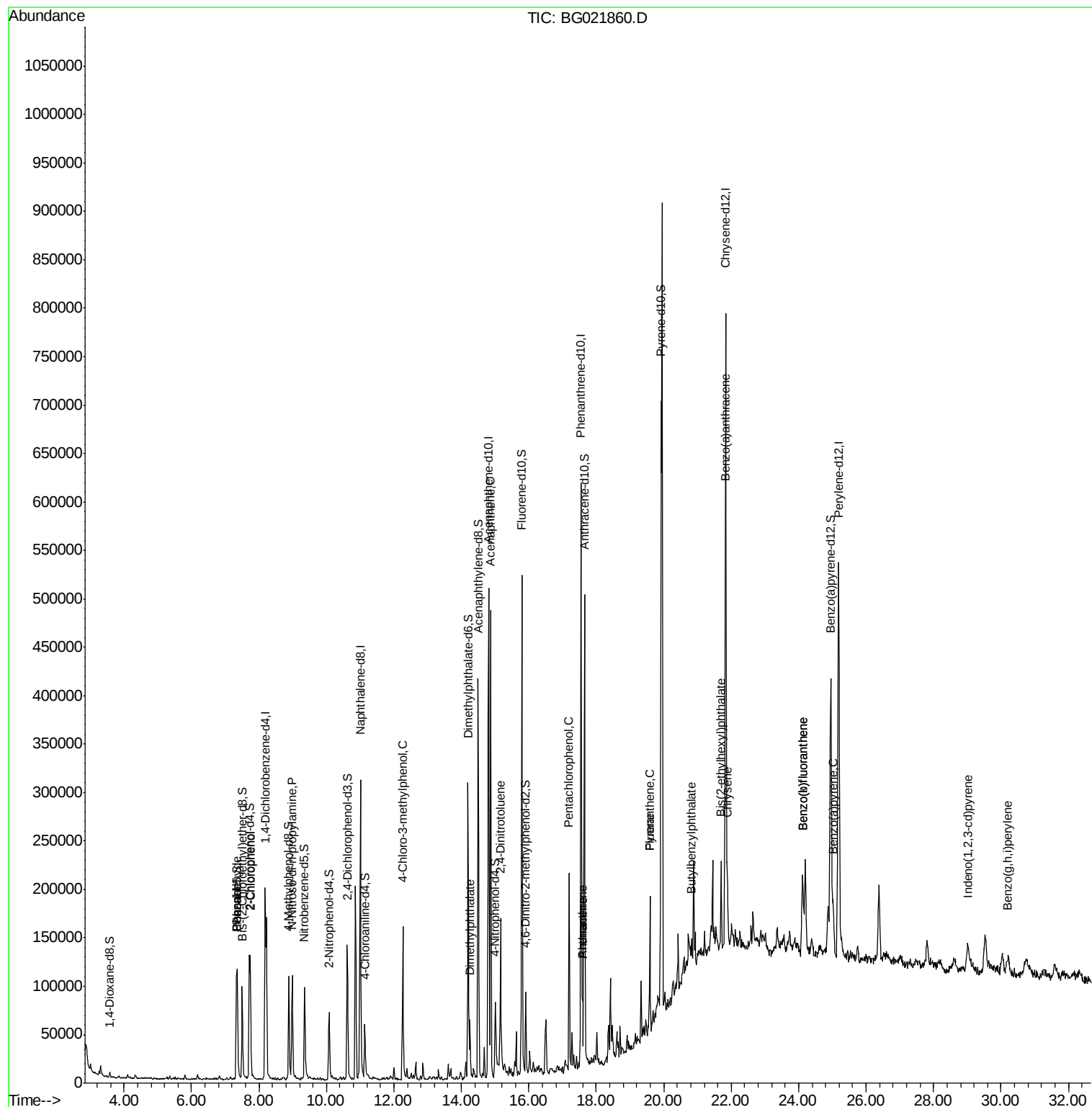
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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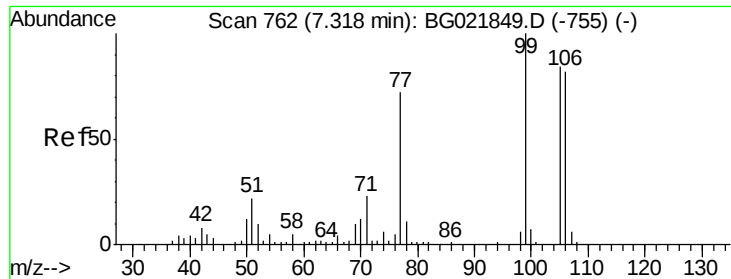
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

Benzaldehyde

Concen: 1.60 ng/ul

RT: 7.33 min Scan# 764

Delta R.T. 0.01 min

Lab File: BG021860.D

Acq: 12 May 2016 1:41

Instrument :

BNA_G

ClientSampleId :

D9WF4MSD

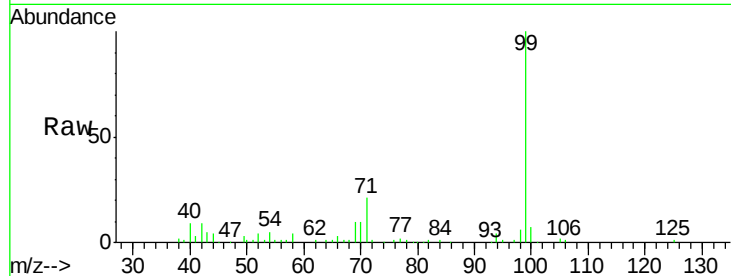
Tot Ion: 77 Resp: 966

Ion Ratio Lower Upper

77 100

105 107.8 68.5 102.7#

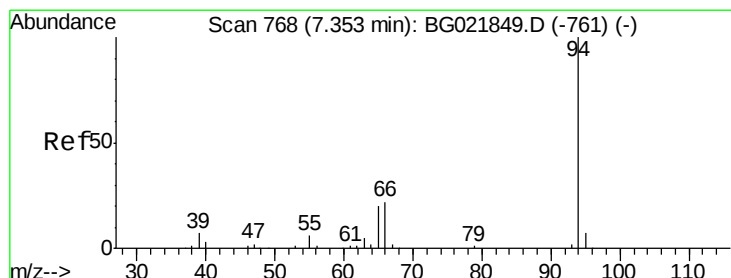
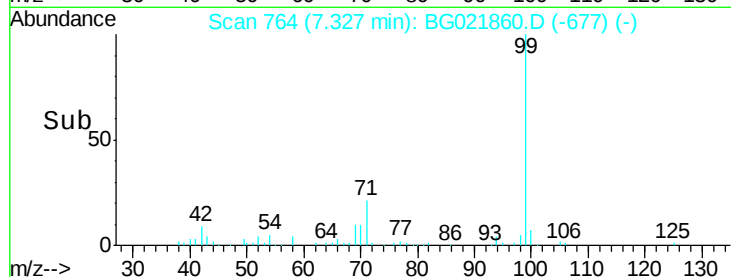
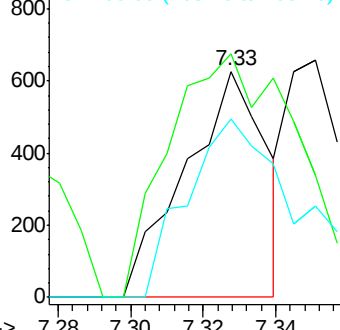
106 78.8 65.0 97.4



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



#6

Phenol

Concen: 15.53 ng/ul

RT: 7.36 min Scan# 769

Delta R.T. 0.00 min

Lab File: BG021860.D

Acq: 12 May 2016 1:41

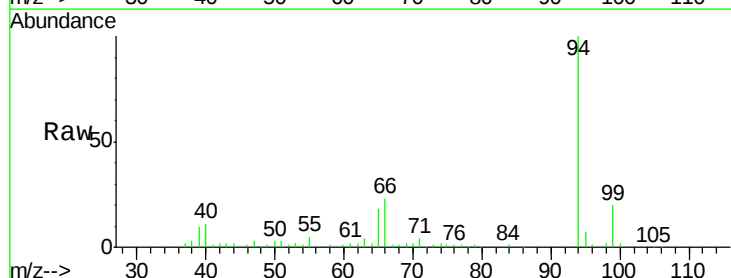
Tgt Ion: 94 Resp: 91658

Ion Ratio Lower Upper

94 100

65 17.9 26.1 39.1#

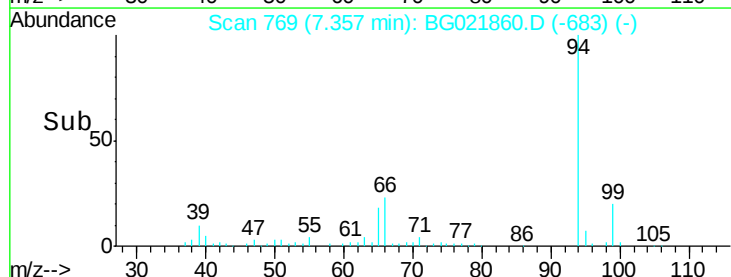
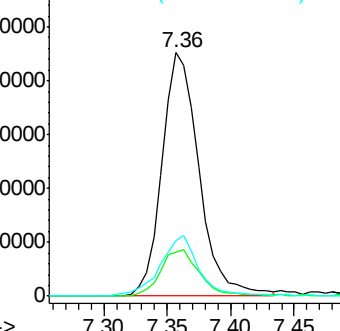
66 22.9 35.0 52.4#

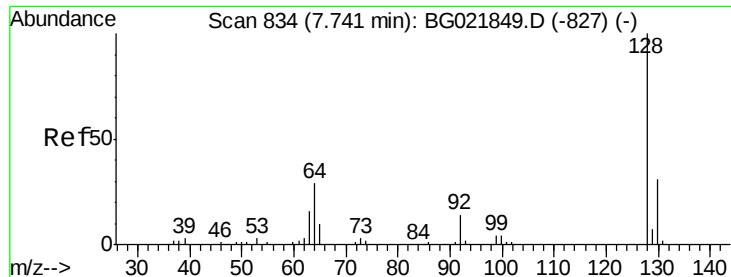


Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

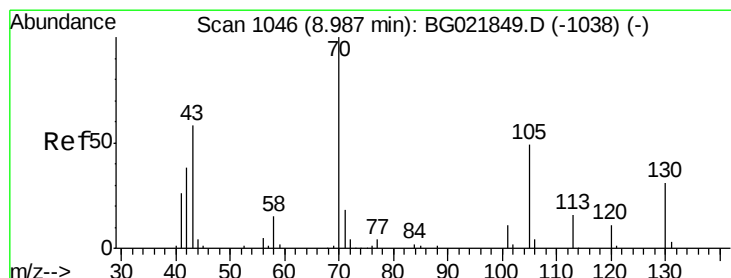
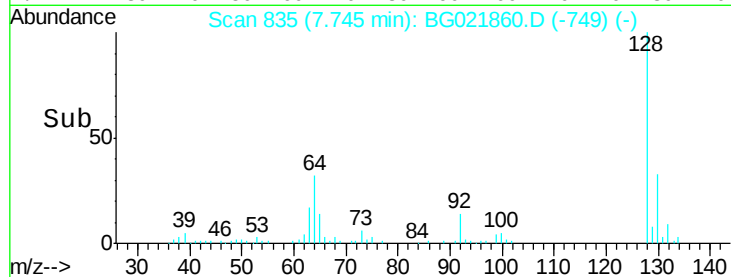
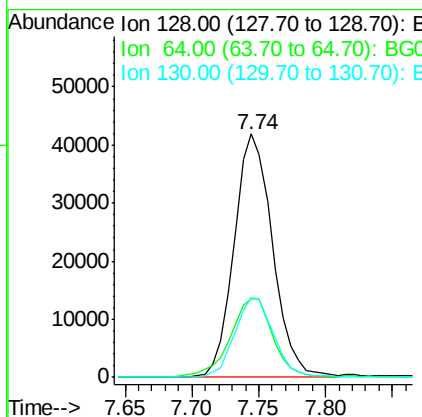
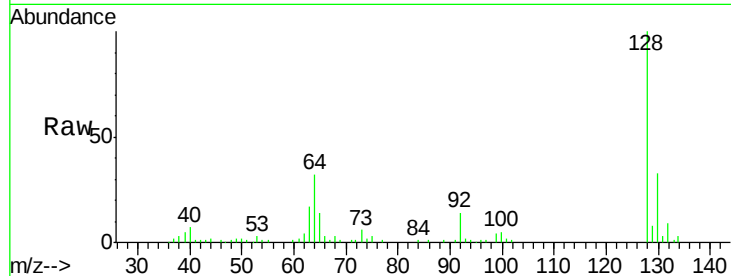




#10
2-Chlorophenol
Concen: 19.34 ng/ul
RT: 7.74 min Scan# 835
Delta R.T. 0.00 min
Lab File: BG021860.D
Acq: 12 May 2016 1:41

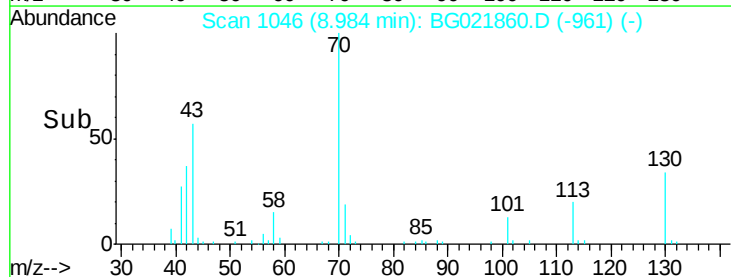
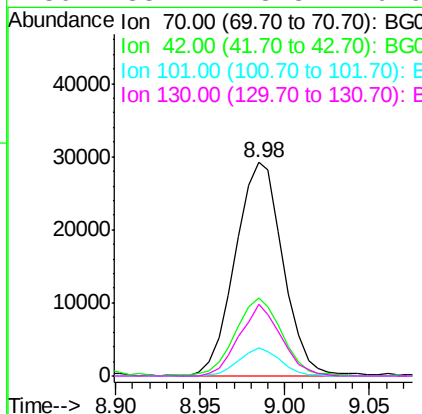
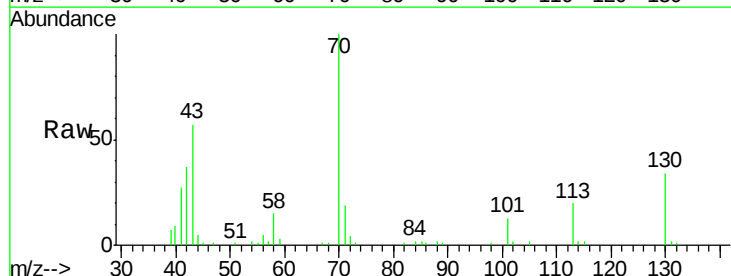
Instrument :
BNA_G
ClientSampled :
D9WF4MSD

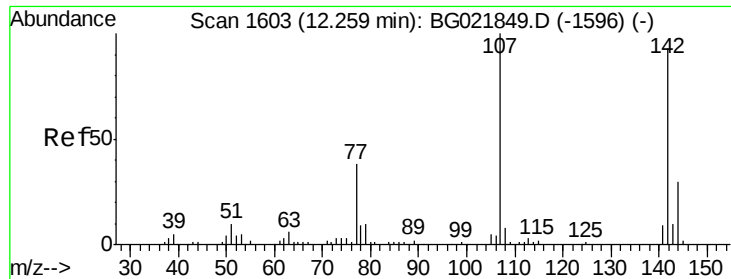
Tot Ion:128 Resp: 83983
Ion Ratio Lower Upper
128 100
64 32.5 47.0 70.6#
130 32.8 27.8 41.6



#15
N-Nitroso-di-n-propylamine
Concen: 16.45 ng/ul
RT: 8.98 min Scan# 1046
Delta R.T. -0.00 min
Lab File: BG021860.D
Acq: 12 May 2016 1:41

Tgt Ion: 70 Resp: 57042
Ion Ratio Lower Upper
70 100
42 36.9 43.4 65.0#
101 13.0 6.5 9.7#
130 33.7 13.8 20.6#

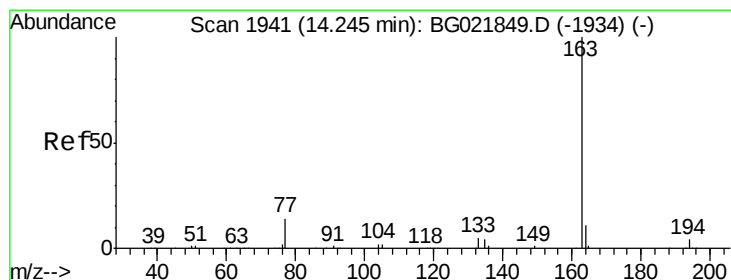
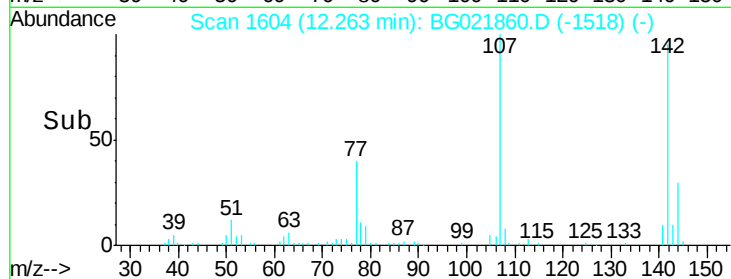
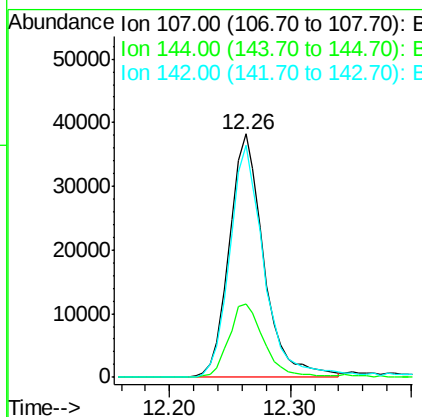
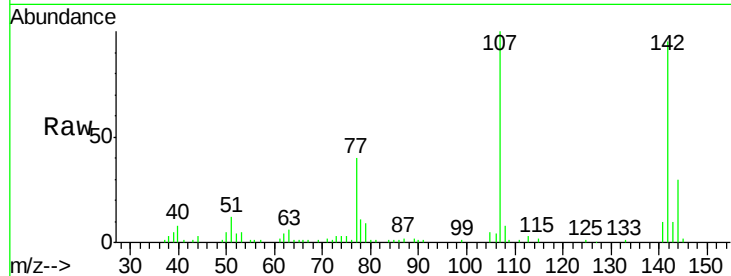




#33
 4-Chloro-3-methylphenol
 Concen: 17.45 ng/ul
 RT: 12.26 min Scan# 1604
 Delta R.T. 0.00 min
 Lab File: BG021860.D
 Acq: 12 May 2016 1:41

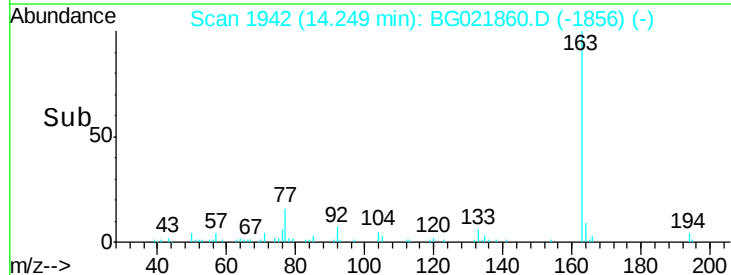
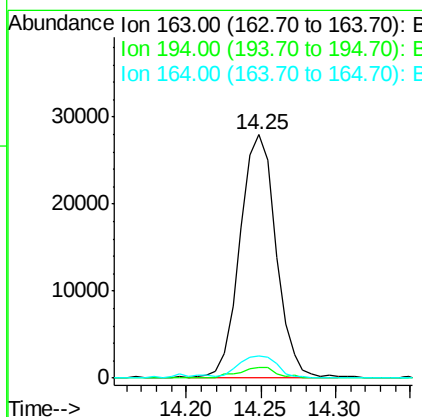
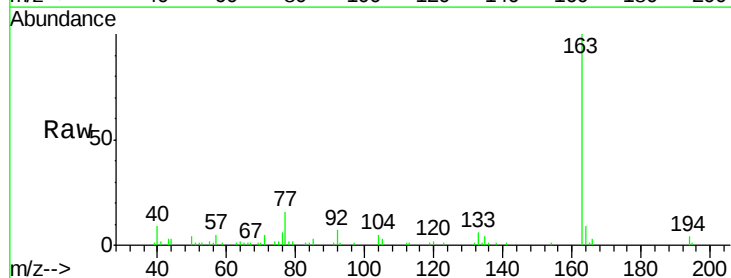
Instrument :
 BNA_G
 ClientSampleId :
 D9WF4MSD

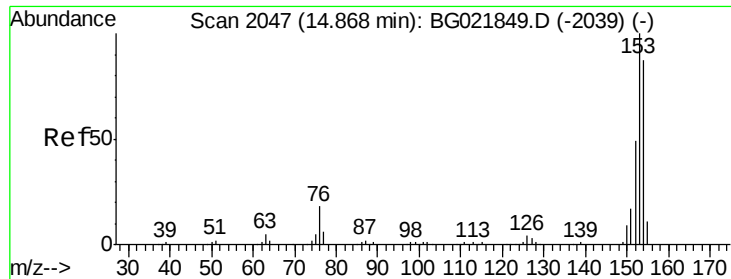
Tot Ion:107 Resp: 76107
 Ion Ratio Lower Upper
 107 100
 144 29.9 17.2 25.8#
 142 95.1 52.0 78.0#



#45
 Dimethylphthalate
 Concen: 3.19 ng/ul
 RT: 14.25 min Scan# 1942
 Delta R.T. 0.00 min
 Lab File: BG021860.D
 Acq: 12 May 2016 1:41

Tgt Ion:163 Resp: 46938
 Ion Ratio Lower Upper
 163 100
 194 4.2 3.9 5.9
 164 9.0 8.7 13.1





#50

Acenaphthene

Concen: 16.97 ng/ul

RT: 14.87 min Scan# 2047

Delta R.T. -0.00 min

Lab File: BG021860.D

Acq: 12 May 2016 1:41

Instrument :

BNA_G

ClientSampleId :

D9WF4MSD

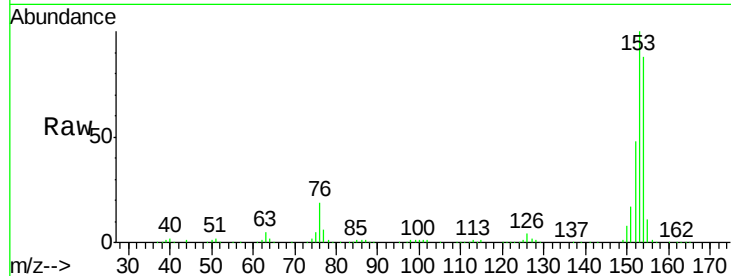
Tot Ion:153 Resp: 247849

Ion Ratio Lower Upper

153 100

152 47.7 36.5 54.7

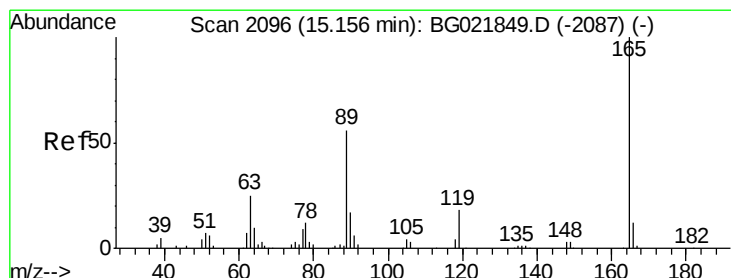
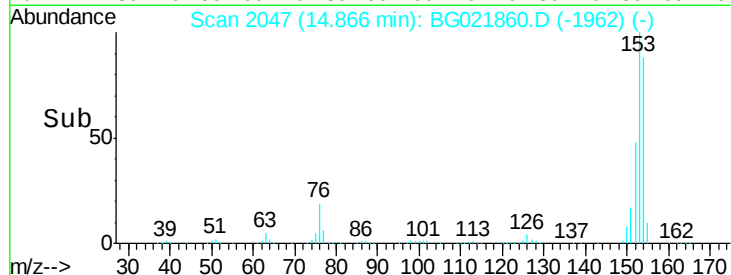
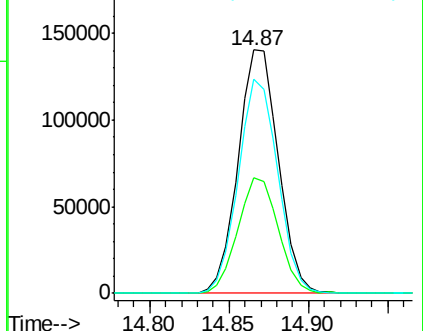
154 87.8 67.3 100.9



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



#55

2,4-Dinitrotoluene

Concen: 17.86 ng/ul

RT: 15.16 min Scan# 2097

Delta R.T. 0.00 min

Lab File: BG021860.D

Acq: 12 May 2016 1:41

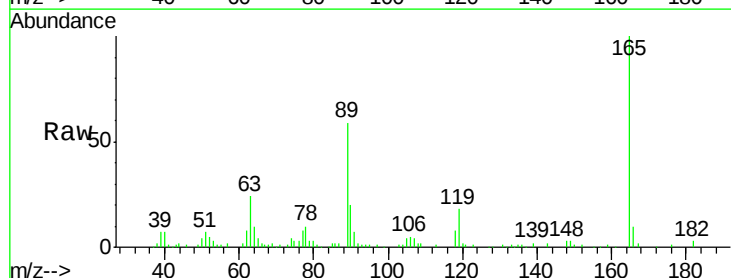
Tgt Ion:165 Resp: 71834

Ion Ratio Lower Upper

165 100

63 24.4 48.1 72.1#

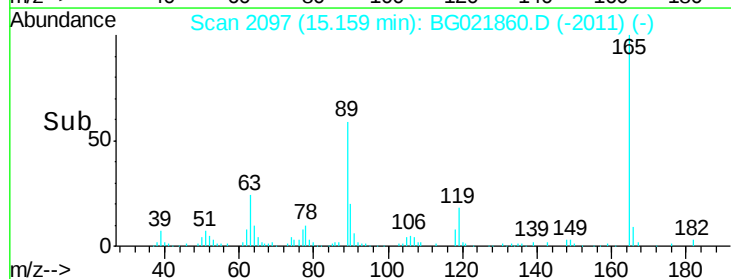
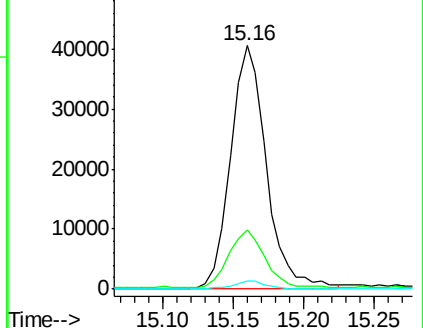
182 3.1 2.2 3.2

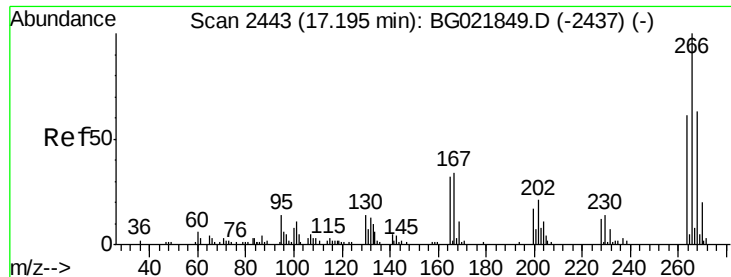


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 182.00 (181.70 to 182.70): E

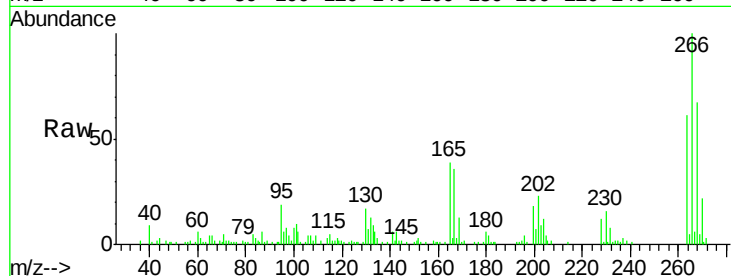




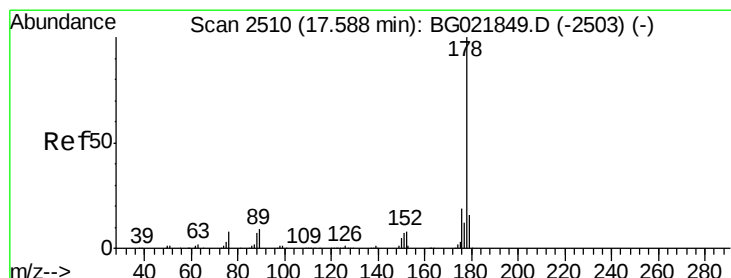
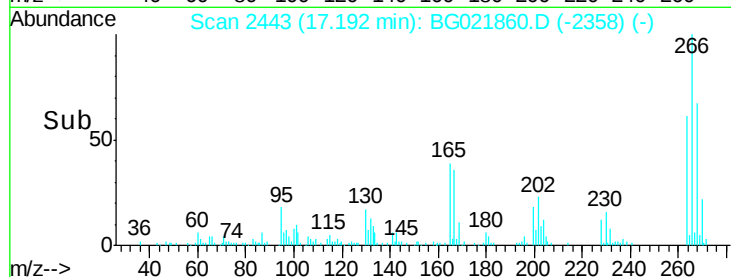
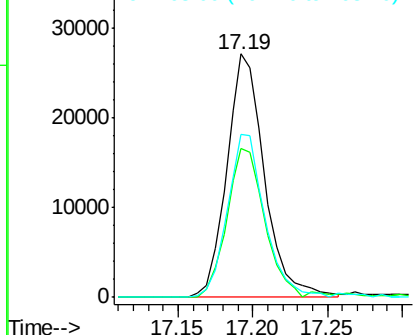
#69
 Pentachlorophenol
 Concen: 23.73 ng/ul
 RT: 17.19 min Scan# 2443
 Delta R.T. -0.00 min
 Lab File: BG021860.D
 Acq: 12 May 2016 1:41

Instrument :
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Tot Ion:266 Resp: 47593
 Ion Ratio Lower Upper
 266 100
 264 66.2 56.7 85.1
 268 71.4 50.6 76.0

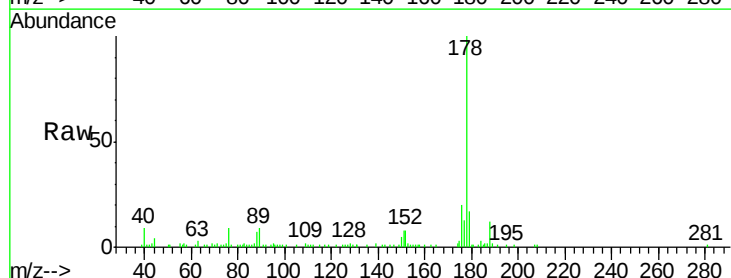


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 264.00 (263.70 to 264.70): E
 Ion 268.00 (267.70 to 268.70): E

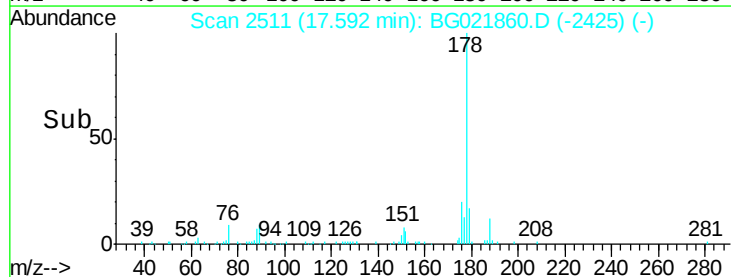
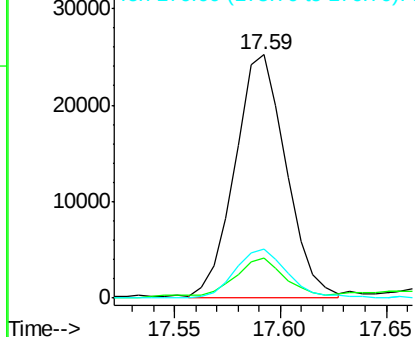


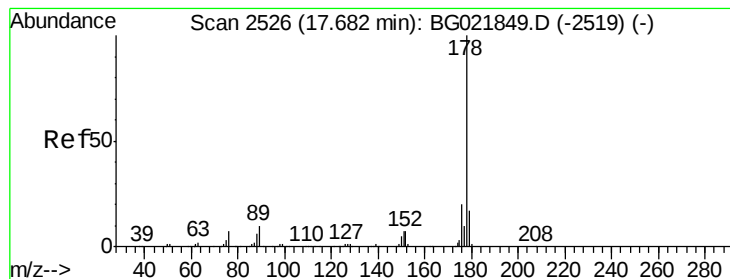
#70
 Phenanthrene
 Concen: 1.77 ng/ul
 RT: 17.59 min Scan# 2511
 Delta R.T. 0.00 min
 Lab File: BG021860.D
 Acq: 12 May 2016 1:41

Tgt Ion:178 Resp: 42156
 Ion Ratio Lower Upper
 178 100
 179 16.7 11.8 17.8
 176 20.2 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: 1.74 ng/ul

RT: 17.59 min Scan# 2511

Delta R.T. -0.09 min

Lab File: BG021860.D

Acq: 12 May 2016 1:41

Instrument :

BNA_G

ClientSampleId :

D9WF4MSD

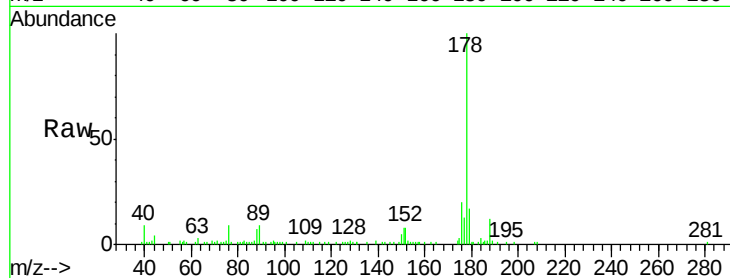
Tot Ion:178 Resp: 42156

Ion Ratio Lower Upper

178 100

179 16.7 12.9 19.3

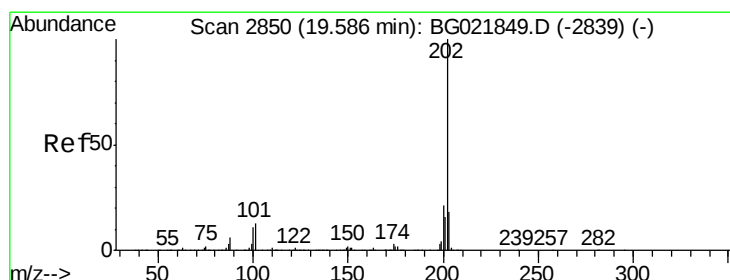
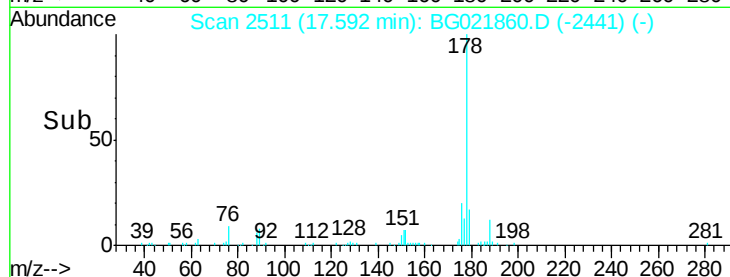
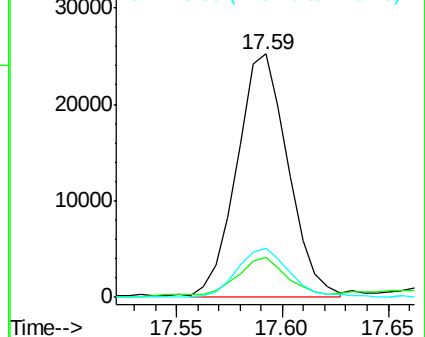
176 20.2 15.6 23.4



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



#75

Fluoranthene

Concen: 3.40 ng/ul

RT: 19.59 min Scan# 2851

Delta R.T. 0.00 min

Lab File: BG021860.D

Acq: 12 May 2016 1:41

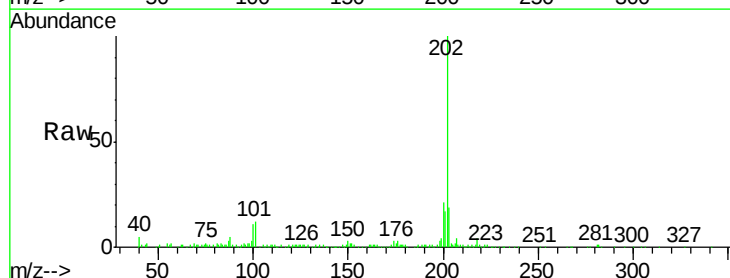
Tgt Ion:202 Resp: 91844

Ion Ratio Lower Upper

202 100

101 12.4 8.9 13.3

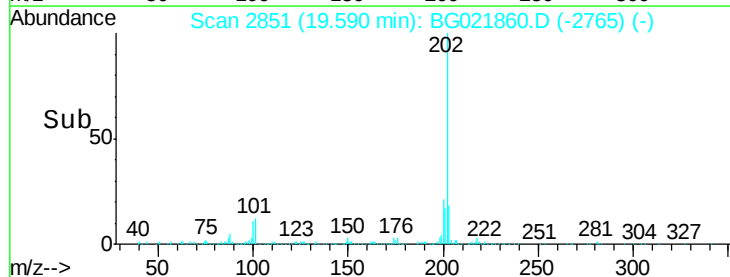
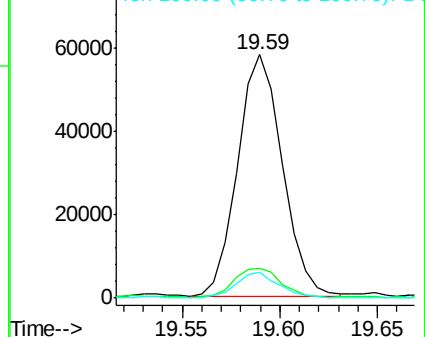
100 10.8 7.0 10.4#

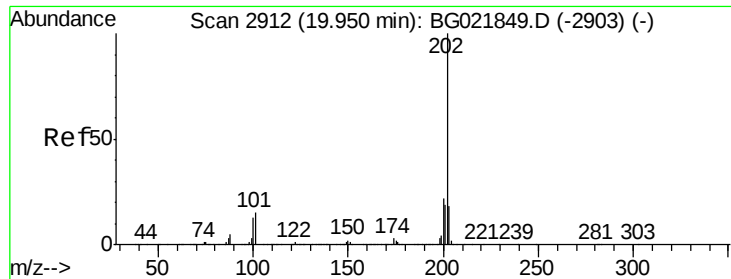


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

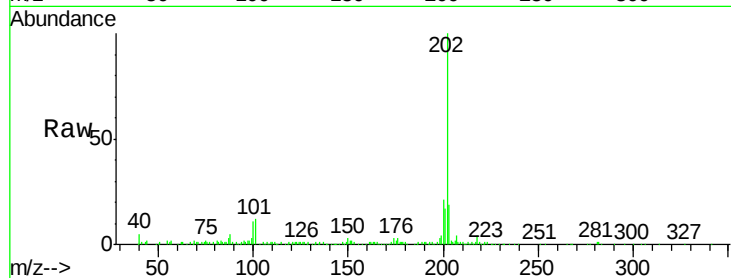




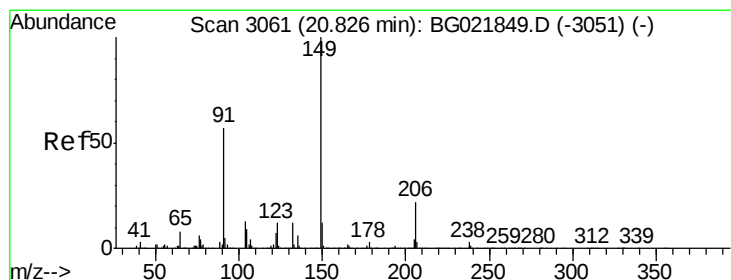
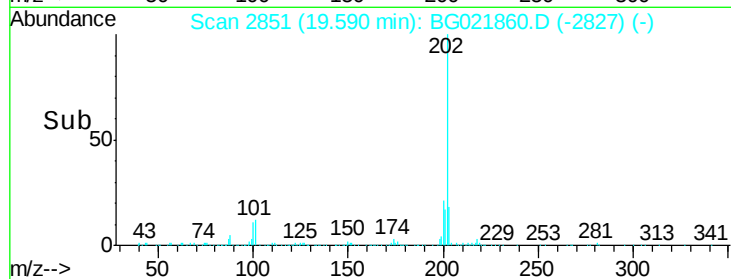
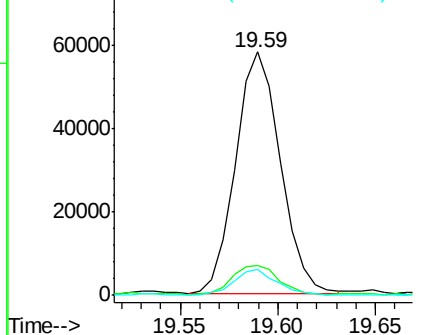
#78
Pvrene
Concen: 3.74 ng/ul
RT: 19.59 min Scan# 2851
Delta R.T. -0.36 min
Lab File: BG021860.D
Acq: 12 May 2016 1:41

Instrument :
BNA_G
ClientSampleId :
D9WF4MSD

Tot Ion	Ratio	Lower	Upper
202	100		
101	12.4	9.8	14.8
100	10.8	9.3	13.9

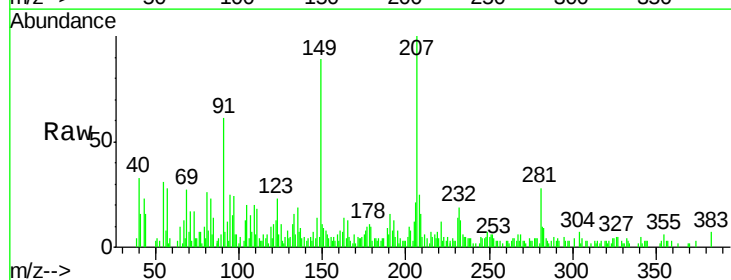


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

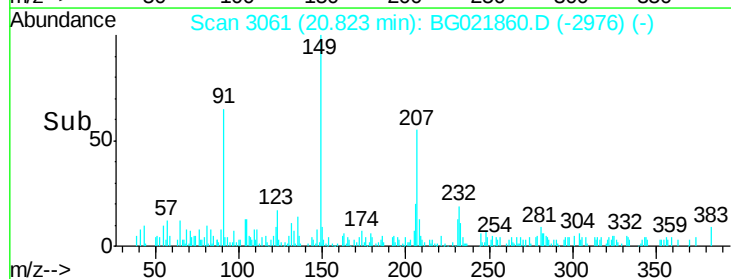
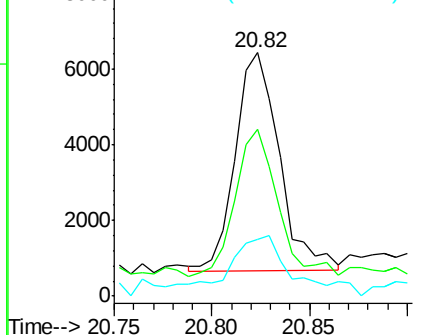


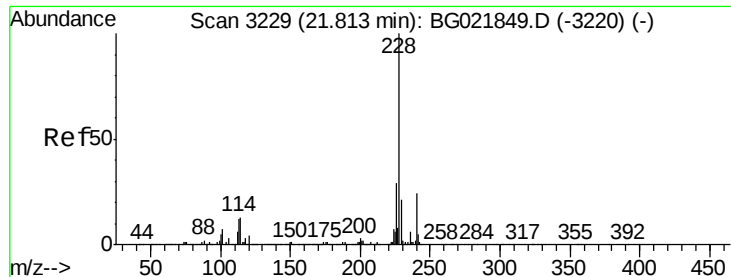
#79
Butylbenzylphthalate
Concen: 1.66 ng/ul
RT: 20.82 min Scan# 3061
Delta R.T. -0.00 min
Lab File: BG021860.D
Acq: 12 May 2016 1:41

Tgt Ion	Ratio	Lower	Upper
149	100		
91	68.5	65.8	98.8
206	23.5	15.5	23.3#



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): B
Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 2.24 ng/ul

RT: 21.82 min Scan# 3230

Delta R.T. 0.00 min

Lab File: BG021860.D

Acq: 12 May 2016 1:41

Instrument :

BNA_G

ClientSampleId :

D9WF4MSD

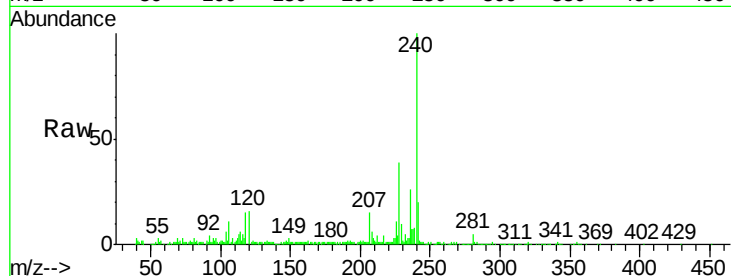
Tot Ion:228 Resp: 52929

Ion Ratio Lower Upper

228 100

229 24.4 16.6 25.0

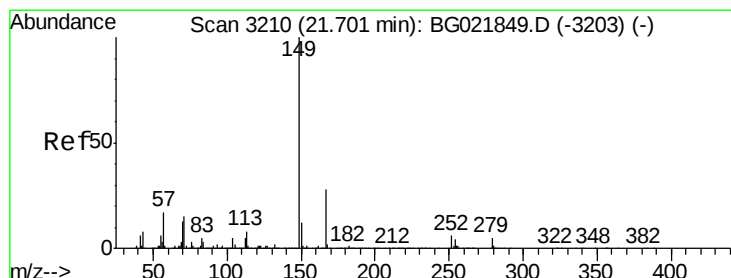
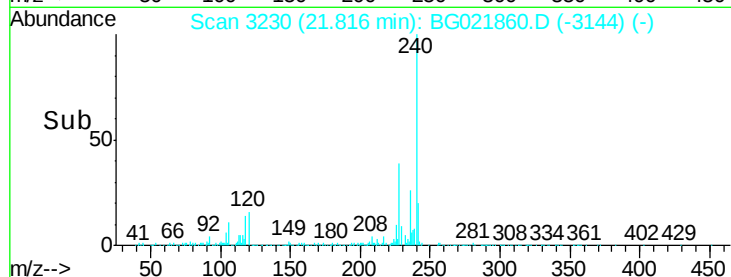
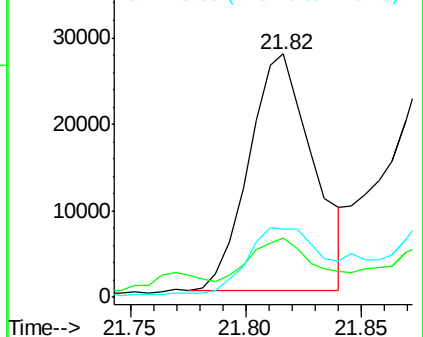
226 27.8 21.0 31.4



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: 5.57 ng/ul

RT: 21.70 min Scan# 3210

Delta R.T. -0.00 min

Lab File: BG021860.D

Acq: 12 May 2016 1:41

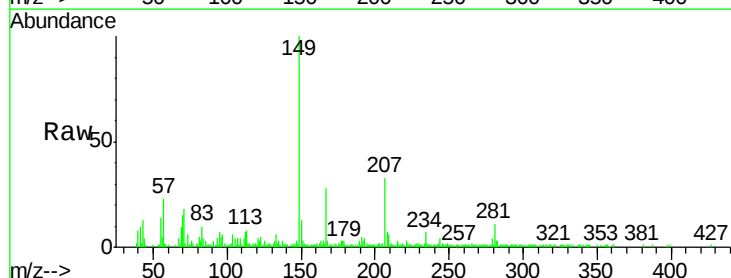
Tgt Ion:149 Resp: 49401

Ion Ratio Lower Upper

149 100

167 28.3 20.5 30.7

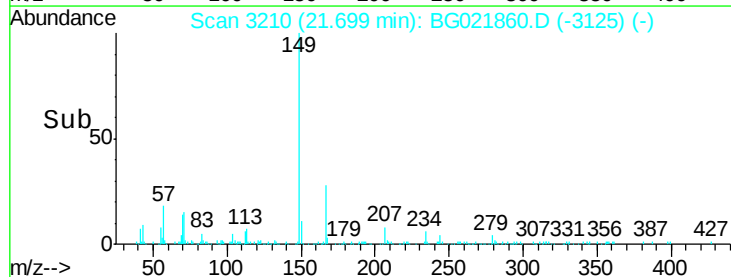
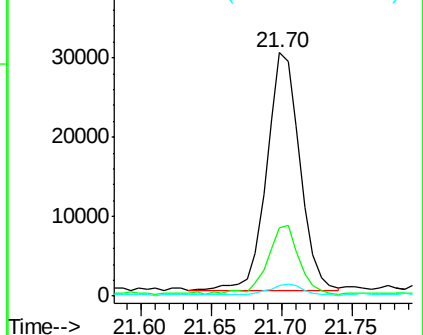
279 4.3 3.7 5.5

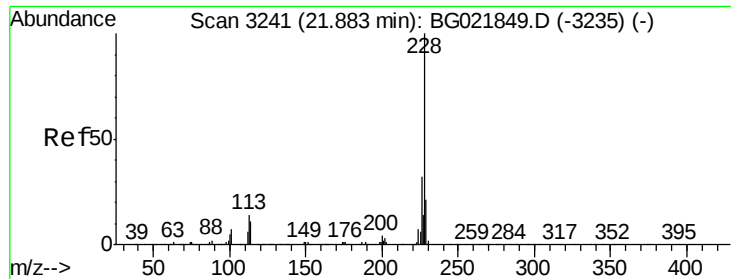


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

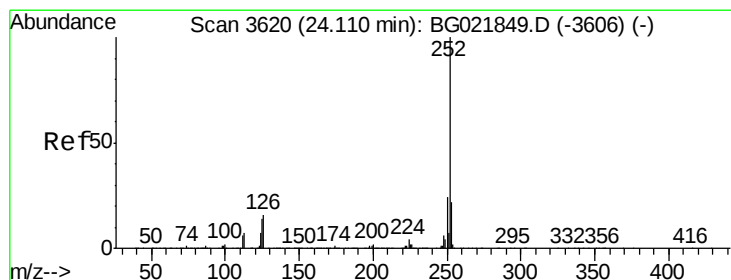
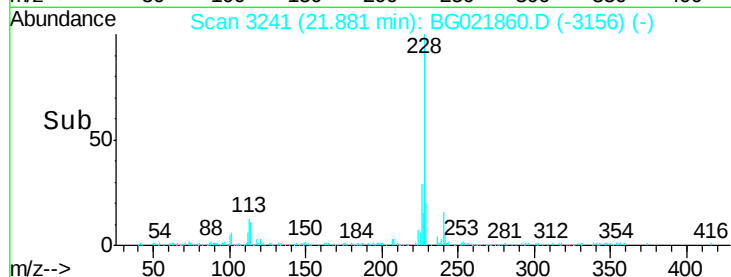
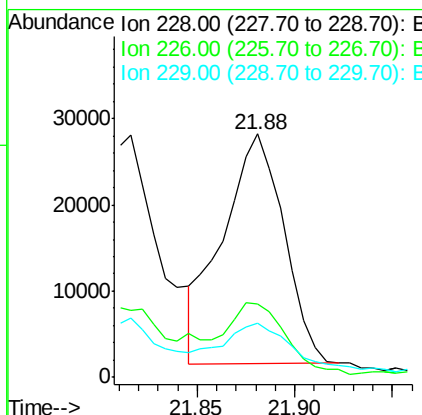
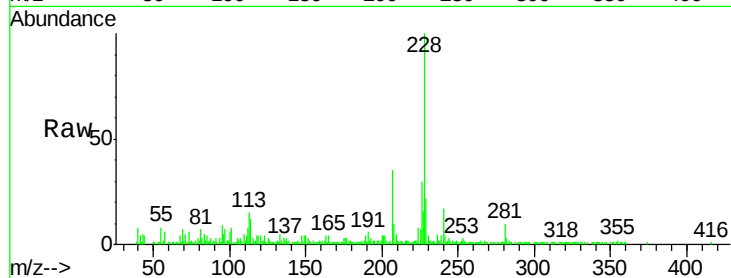




#83
Chrysene
Concen: 2.48 ng/ul
RT: 21.88 min Scan# 3241
Delta R.T. -0.00 min
Lab File: BG021860.D
Acq: 12 May 2016 1:41

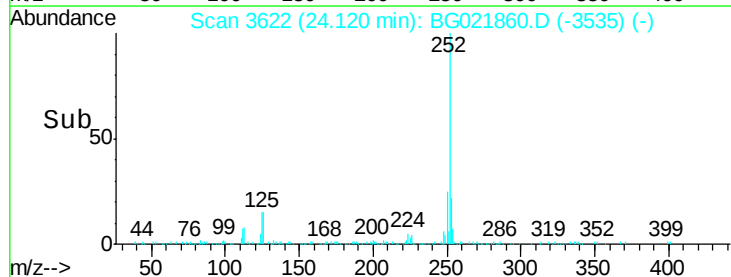
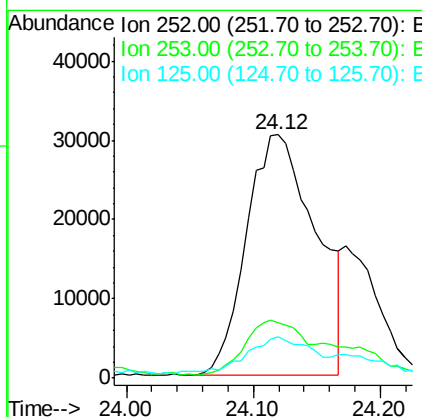
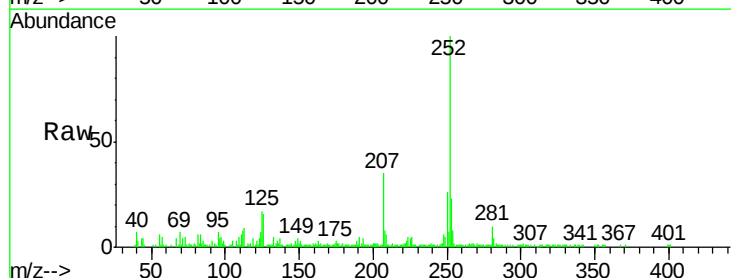
Instrument :
BNA_G
ClientSampleId :
D9WF4MSD

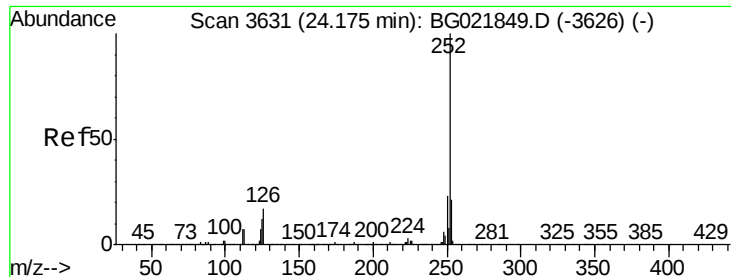
Tot Ion	Ratio	Lower	Upper
228	100		
226	30.1	23.4	35.2
229	22.2	16.2	24.2



#86
Benzo(b)fluoranthene
Concen: 4.69 ng/ul
RT: 24.12 min Scan# 3622
Delta R.T. 0.01 min
Lab File: BG021860.D
Acq: 12 May 2016 1:41

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.1	27.1
125	16.9	7.6	11.4

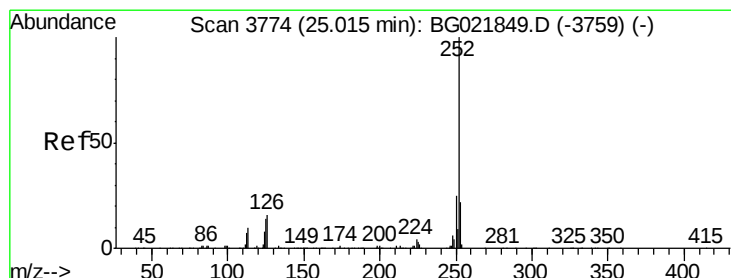
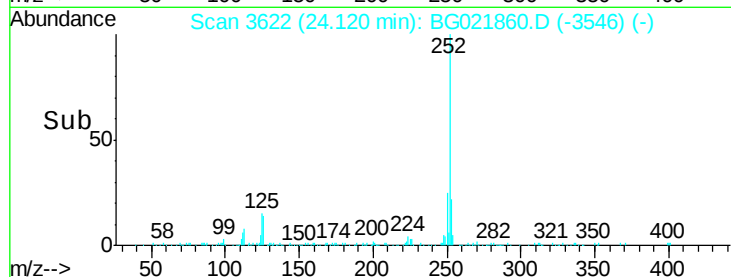
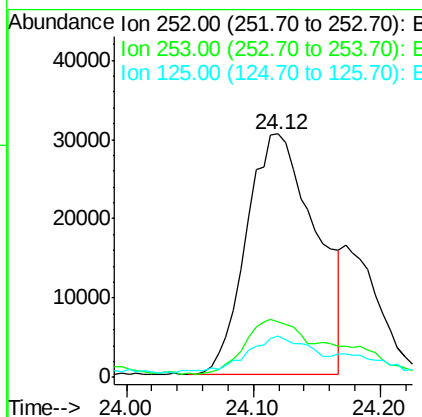
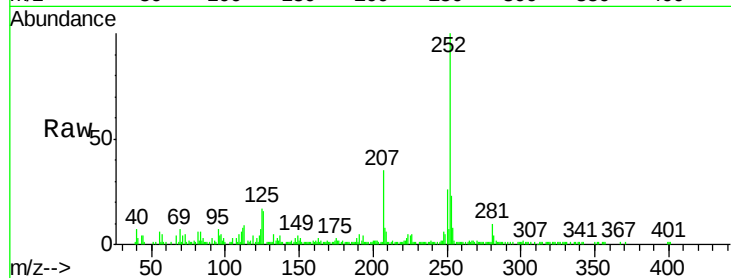




#87
Benzo(k)fluoranthene
Concen: 4.38 ng/ul
RT: 24.12 min Scan# 3622
Delta R.T. -0.06 min
Lab File: BG021860.D
Acq: 12 May 2016 1:41

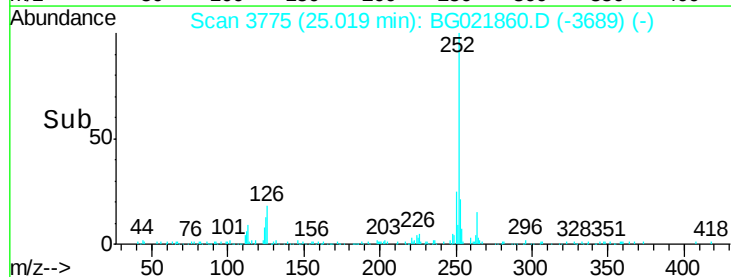
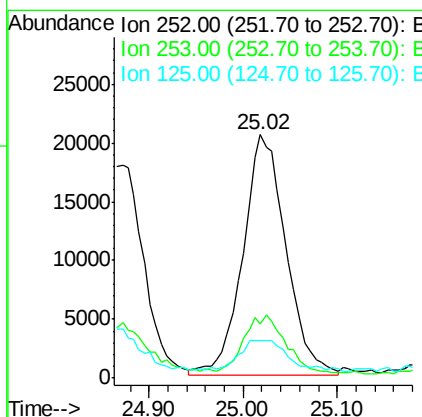
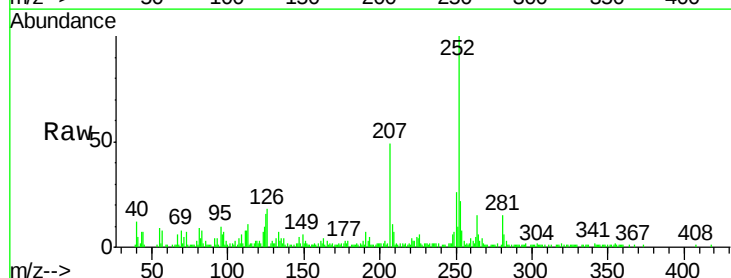
Instrument :
BNA_G
ClientSampleId :
D9WF4MSD

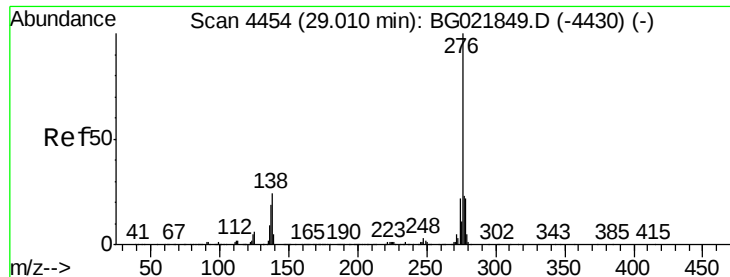
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.8	26.8
125	16.9	7.7	11.5



#89
Benzo(a)pyrene
Concen: 2.65 ng/ul
RT: 25.02 min Scan# 3775
Delta R.T. 0.00 min
Lab File: BG021860.D
Acq: 12 May 2016 1:41

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.4	26.0
125	15.7	8.2	12.2





#90

Indeno(1,2,3-cd)pyrene

Concen: 1.62 ng/ul

RT: 29.01 min Scan# 4455

Delta R.T. 0.00 min

Lab File: BG021860.D

Acq: 12 May 2016 1:41

Instrument :

BNA_G

ClientSampleId :

D9WF4MSD

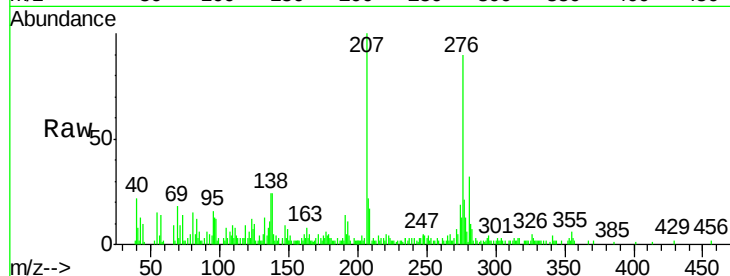
Tot Ion:276 Resp: 46800

Ion Ratio Lower Upper

276 100

138 26.7 15.8 23.6#

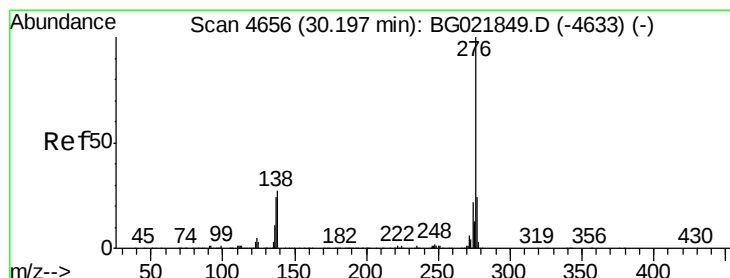
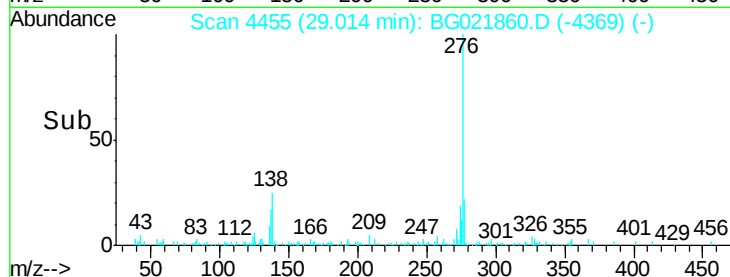
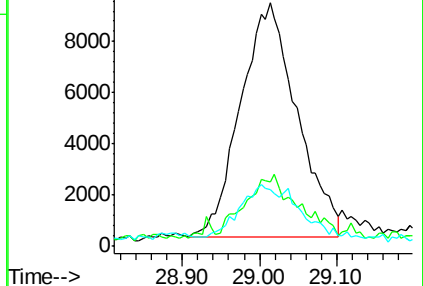
277 23.2 19.0 28.6



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: 1.38 ng/ul

RT: 30.21 min Scan# 4659

Delta R.T. 0.02 min

Lab File: BG021860.D

Acq: 12 May 2016 1:41

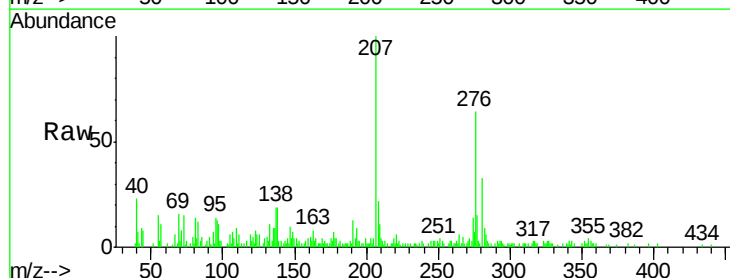
Tgt Ion:276 Resp: 32941

Ion Ratio Lower Upper

276 100

138 30.2 13.9 20.9#

277 24.3 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

