

Data Path : Z:\HPCHEM1\BNA G\DATA\BG051616\
 Data File : BG021920.D
 Acq On : 17 May 2016 00:05
 Operator : UM/SJ
 Sample : H3095-14MS
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9XF0MS

Quant Time: May 17 01:38:51 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG050916.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue May 17 01:35:08 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	74384	20.00	ng/ul	0.00
18) Naphthalene-d8	10.99	136	342182	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.80	164	199909	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.54	188	410400	20.00	ng/ul	0.00
76) Chrysene-d12	21.82	240	390370	20.00	ng/ul	0.00
84) Perylene-d12	25.17	264	379589	20.00	ng/ul	0.03

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.55	96	5741	3.73	ng/uL	0.00
5) Phenol-d5	7.32	99	138202	25.04	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.49	67	63010	23.02	ng/ul	0.00
9) 2-Chlorophenol-d4	7.70	132	123110	28.74	ng/ul	0.00
13) 4-Methylphenol-d8	8.87	113	111270	24.00	ng/ul	0.00
19) Nitrobenzene-d5	9.34	128	63175	28.08	ng/ul	0.00
22) 2-Nitrophenol-d4	10.06	143	70920	49.91	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.61	165	124147	30.90	ng/ul	0.00
29) 4-Chloroaniline-d4	11.12	131	99820	23.06	ng/ul	0.00
44) Dimethylphthalate-d6	14.19	166	375830	26.77	ng/ul	0.00
47) Acenaphthylene-d8	14.49	160	511362	25.65	ng/ul	0.00
52) 4-Nitrophenol-d4	15.00	143	63907	26.55	ng/ul	0.02
58) Fluorene-d10	15.78	176	350937	23.74	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.91	200	39216	34.50	ng/ul	0.01
71) Anthracene-d10	17.64	188	483695	24.21	ng/ul	0.00
77) Pyrene-d10	19.55	212	6981	0.38	ng/ul	-0.36
88) Benzo(a)pyrene-d12	24.94	264	464552	25.76	ng/ul	0.03

Target Compounds

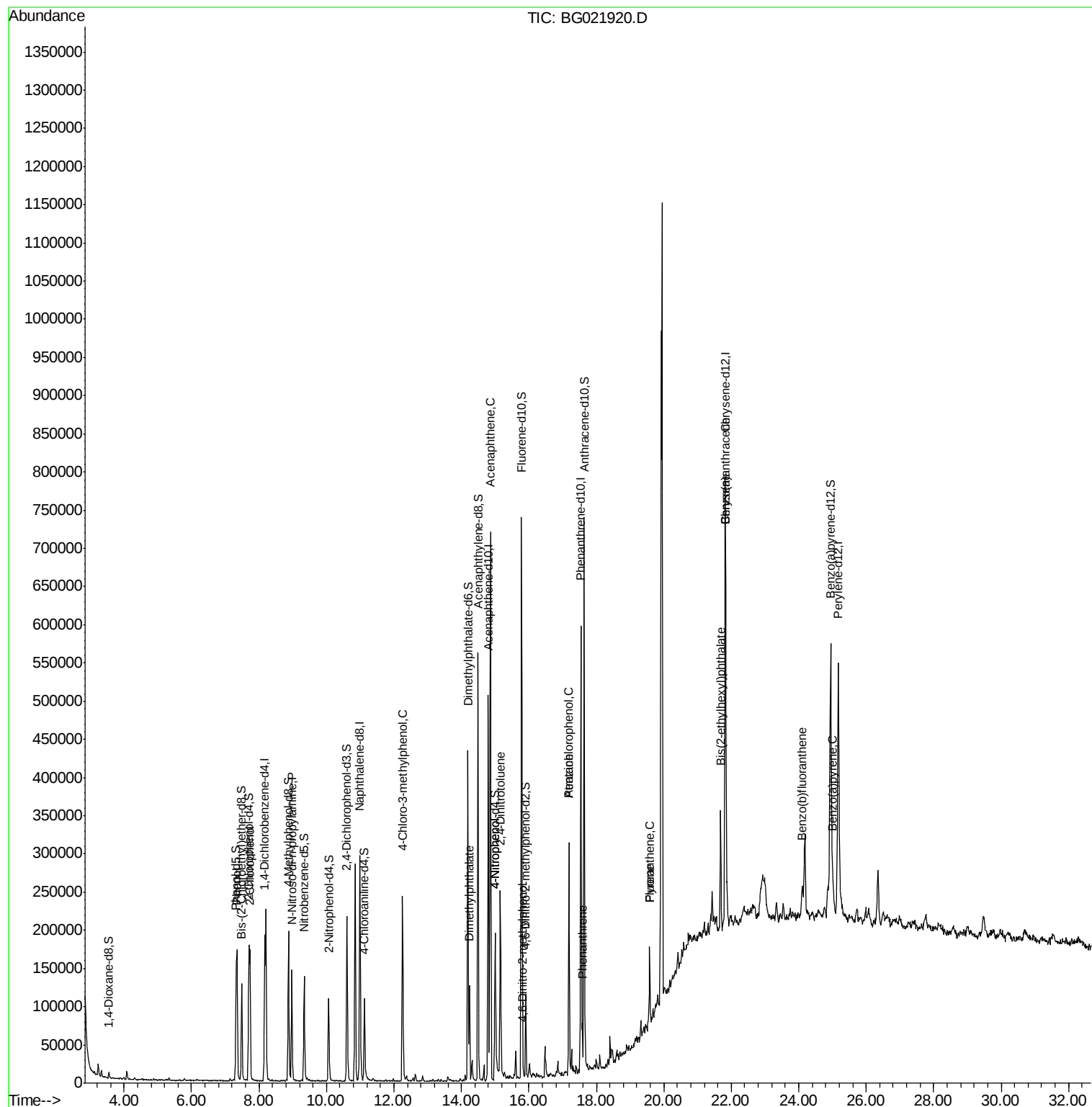
						Ovalue
6) Phenol	7.35	94	135701	23.12	ng/ul#	71
10) 2-Chlorophenol	7.73	128	119664	27.71	ng/ul#	74
15) N-Nitroso-di-n-propylamine	8.97	70	75534	21.89	ng/ul#	75
33) 4-Chloro-3-methylphenol	12.26	107	113401	27.40	ng/ul#	62
45) Dimethylphthalate	14.24	163	107053	7.48	ng/ul	97
50) Acenaphthene	14.86	153	355384	25.04	ng/ul	97
53) 4-Nitrophenol	15.01	109	27513	25.08	ng/ul#	26
55) 2,4-Dinitrotoluene	15.15	165	112532	28.80	ng/ul#	54
64) 4,6-Dinitro-2-methylphenol	15.83	198	1776	1.43	ng/ul#	74
68) Atrazine	17.19	200	12540	3.64	ng/ul#	35
69) Pentachlorophenol	17.19	266	75363	39.84	ng/ul	92
70) Phenanthrene	17.58	178	40927	1.82	ng/ul	94
75) Fluoranthene	19.58	202	71018	2.79	ng/ul	96
78) Pyrene	19.58	202	71018	3.14	ng/ul	98
81) Benzo(a)anthracene	21.81	228	36014	1.66	ng/ul	92
82) Bis(2-ethylhexyl)phthalate	21.69	149	87827	10.78	ng/ul#	93
83) Chrysene	21.81	228	36014	1.68	ng/ul	95
86) Benzo(b)fluoranthene	24.11	252	57925	2.67	ng/ul#	87
89) Benzo(a)pyrene	25.01	252	41472	1.92	ng/ul#	89

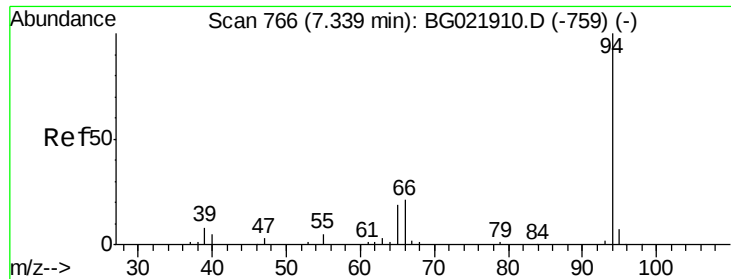
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 23.12 ng/ul

RT: 7.35 min Scan# 768

Delta R.T. 0.01 min

Lab File: BG021920.D

Acq: 17 May 2016 00:05

Instrument :

BNA_G

ClientSampleId :

D9XF0MS

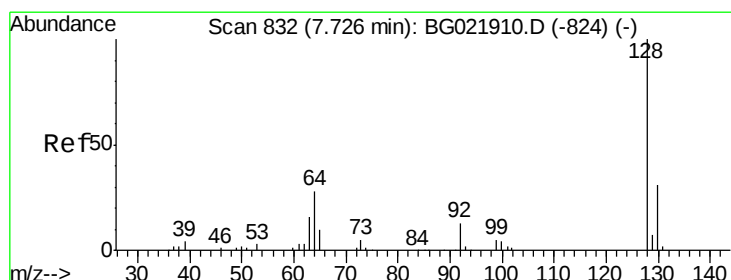
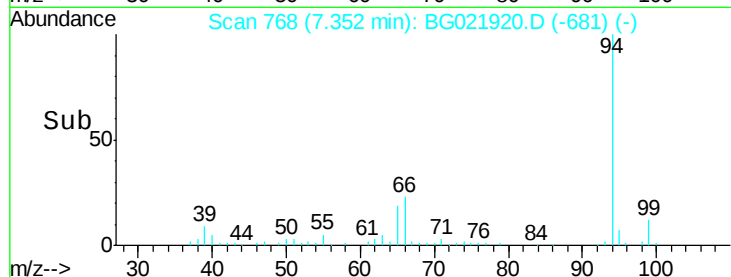
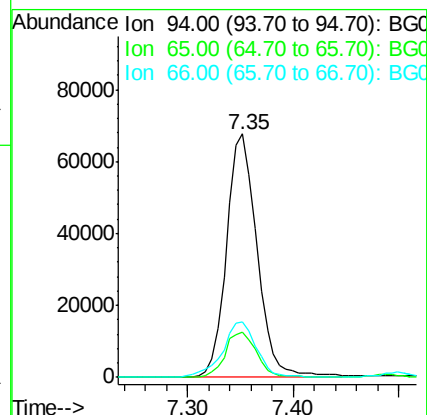
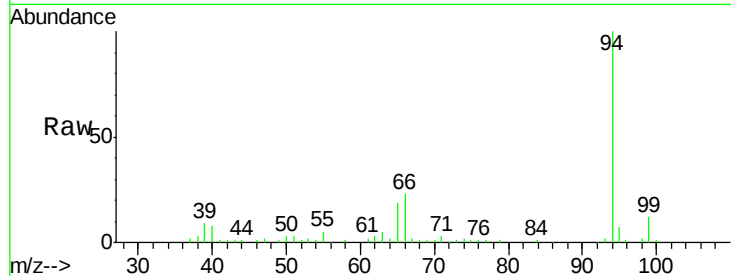
Tot Ion: 94 Resp: 135701

Ion Ratio Lower Upper

94 100

65 18.5 26.1 39.1#

66 23.0 35.0 52.4#



#10

2-Chlorophenol

Concen: 27.71 ng/ul

RT: 7.73 min Scan# 833

Delta R.T. 0.01 min

Lab File: BG021920.D

Acq: 17 May 2016 00:05

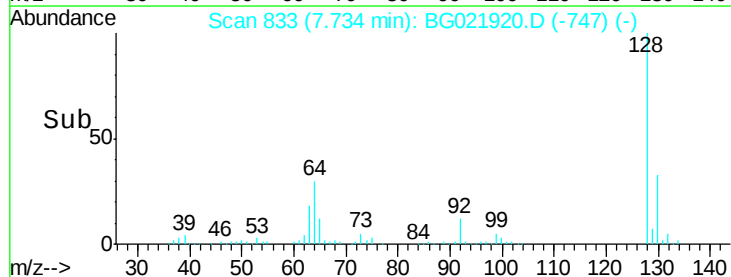
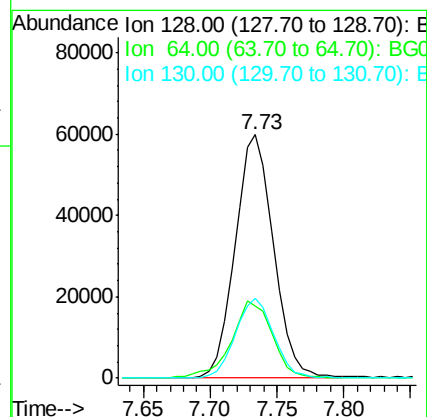
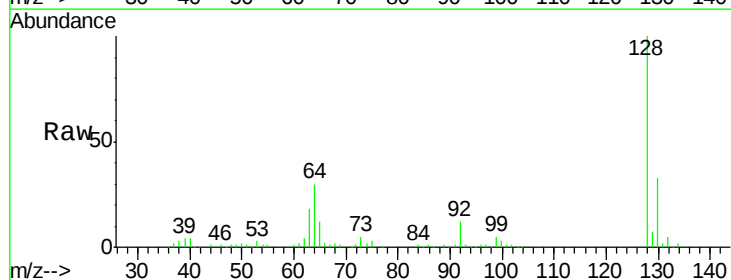
Tgt Ion: 128 Resp: 119664

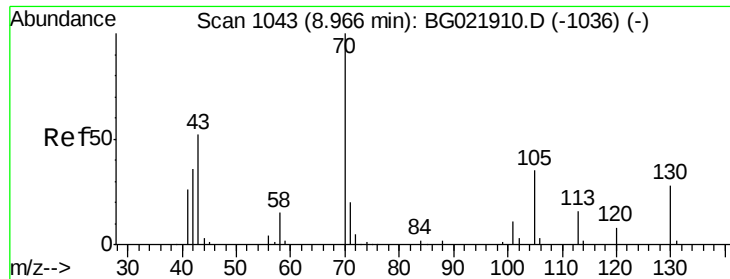
Ion Ratio Lower Upper

128 100

64 29.7 47.0 70.6#

130 32.8 27.8 41.6





#15

N-Nitroso-di-n-propylamine

Concen: 21.89 ng/ul

RT: 8.97 min Scan# 1044

Delta R.T. 0.01 min

Lab File: BG021920.D

Acq: 17 May 2016 00:05

Instrument :

BNA_G

ClientSampleId :

D9XF0MS

Tot Ion: 70 Resp: 75534

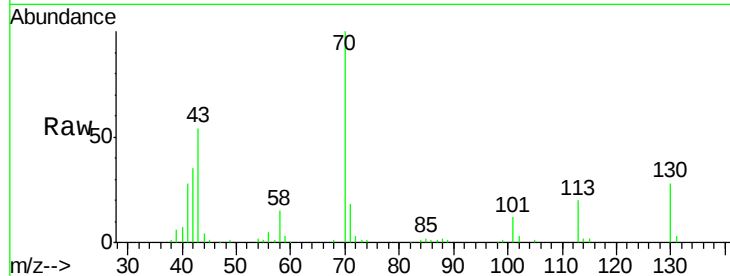
Ion Ratio Lower Upper

70 100

42 34.6 43.4 65.0#

101 11.7 6.5 9.7#

130 28.4 13.8 20.6#



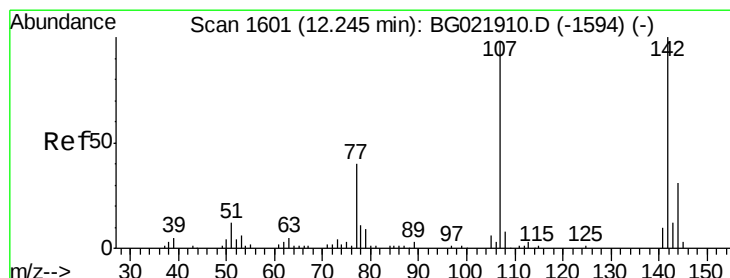
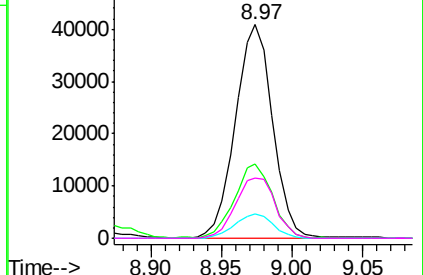
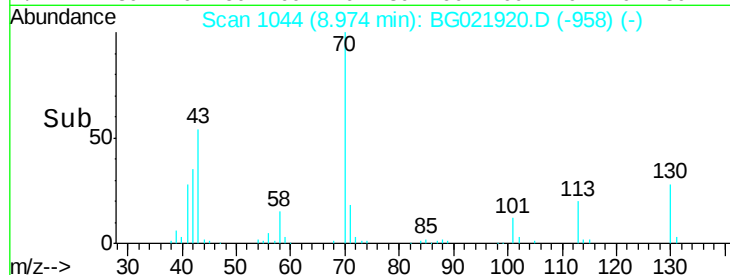
Abundance Ion 70.00 (69.70 to 70.70): BG021910.D (-1036) (-)

Ion 42.00 (41.70 to 42.70): BG021910.D (-1036) (-)

Ion 101.00 (100.70 to 101.70): BG021910.D (-1036) (-)

Ion 130.00 (129.70 to 130.70): BG021910.D (-1036) (-)

Time-->



#33

4-Chloro-3-methylphenol

Concen: 27.40 ng/ul

RT: 12.26 min Scan# 1603

Delta R.T. 0.01 min

Lab File: BG021920.D

Acq: 17 May 2016 00:05

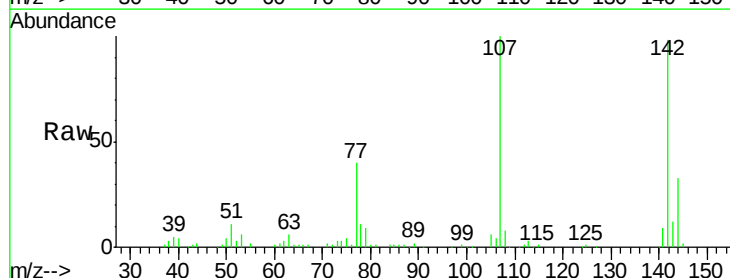
Tgt Ion:107 Resp: 113401

Ion Ratio Lower Upper

107 100

144 33.4 17.2 25.8#

142 97.9 52.0 78.0#

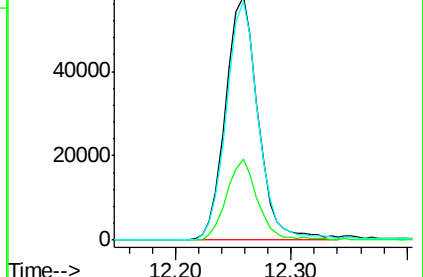
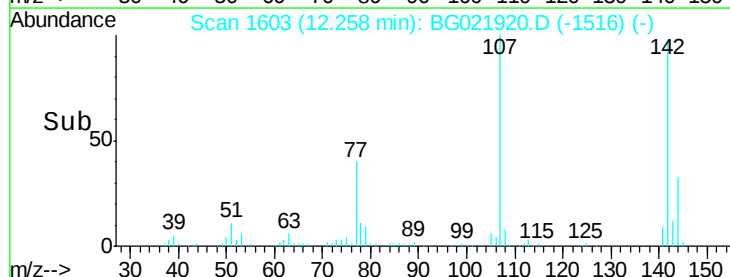


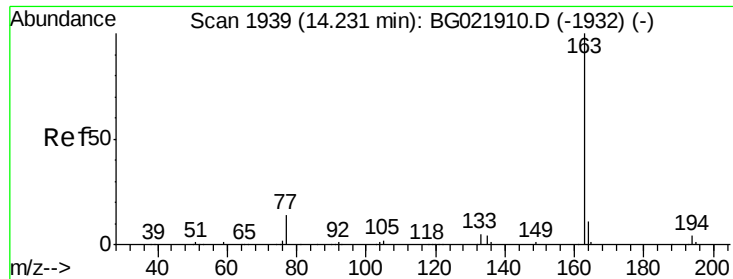
Abundance Ion 107.00 (106.70 to 107.70): BG021910.D (-1594) (-)

Ion 144.00 (143.70 to 144.70): BG021910.D (-1594) (-)

Ion 142.00 (141.70 to 142.70): BG021910.D (-1594) (-)

Time-->

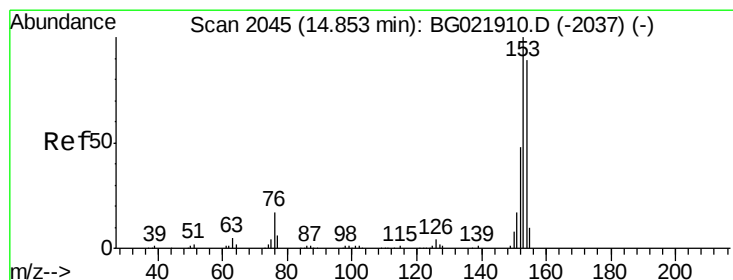
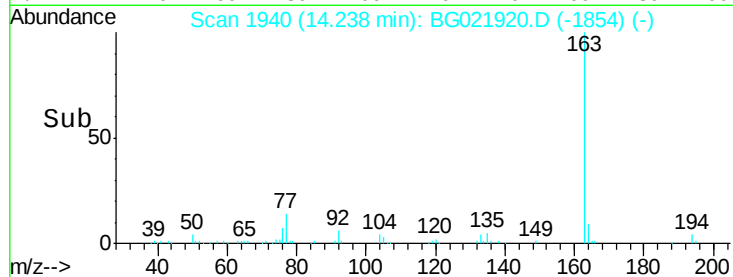
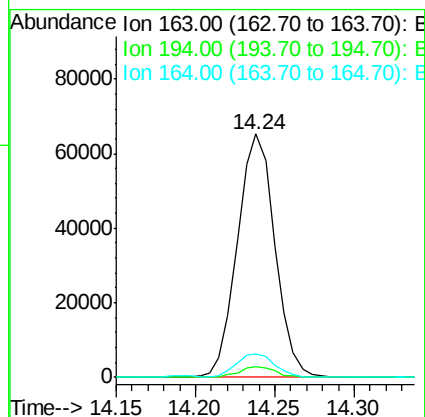
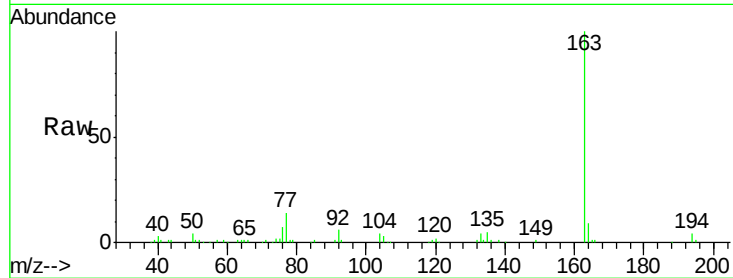




#45
Dimethylphthalate
Concen: 7.48 ng/ul
RT: 14.24 min Scan# 1940
Delta R.T. 0.01 min
Lab File: BG021920.D
Acq: 17 May 2016 00:05

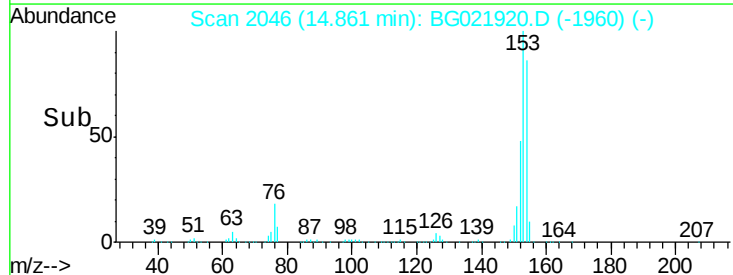
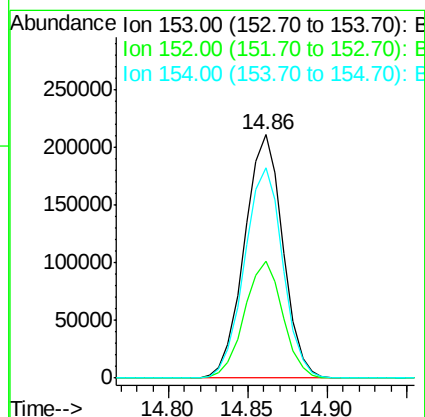
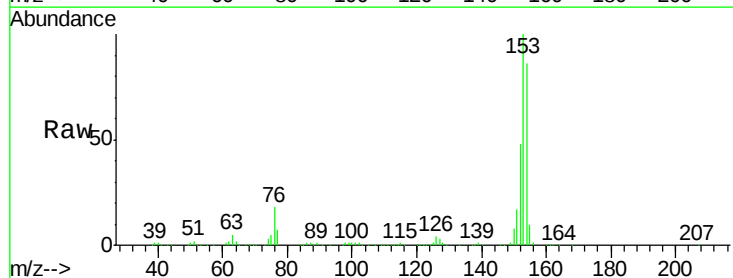
Instrument :
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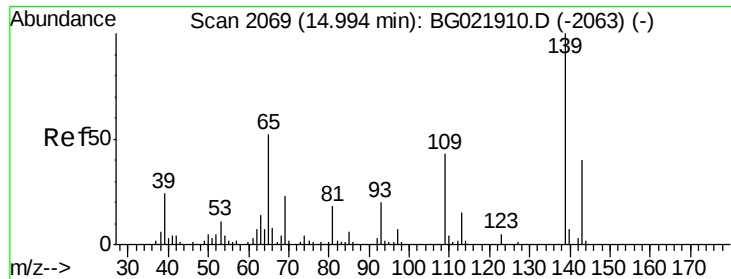
Tot Ion:163 Resp: 107053
Ion Ratio Lower Upper
163 100
194 4.4 3.9 5.9
164 9.4 8.7 13.1



#50
Acenaphthene
Concen: 25.04 ng/ul
RT: 14.86 min Scan# 2046
Delta R.T. 0.01 min
Lab File: BG021920.D
Acq: 17 May 2016 00:05

Tgt Ion:153 Resp: 355384
Ion Ratio Lower Upper
153 100
152 47.9 36.5 54.7
154 86.4 67.3 100.9

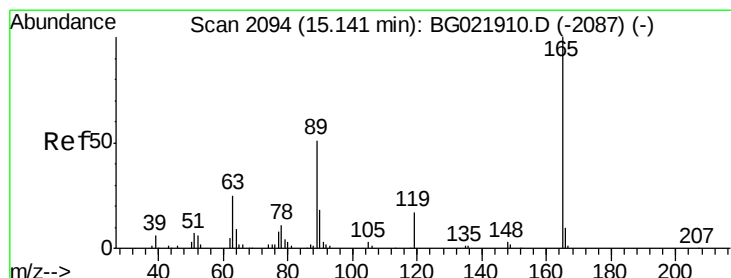
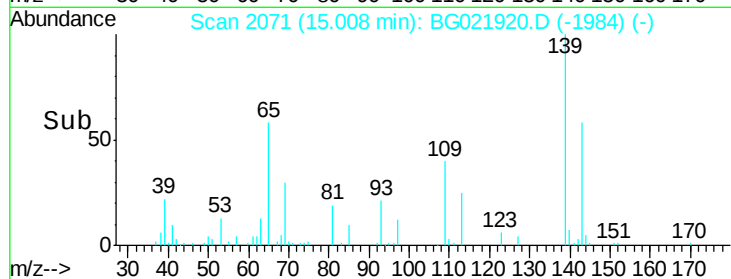
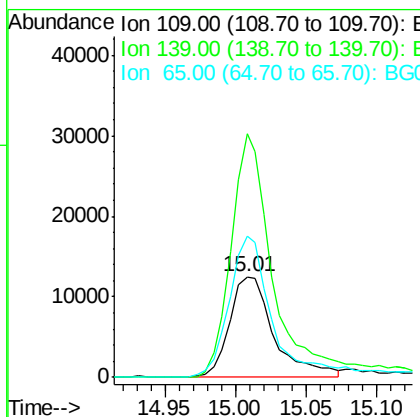
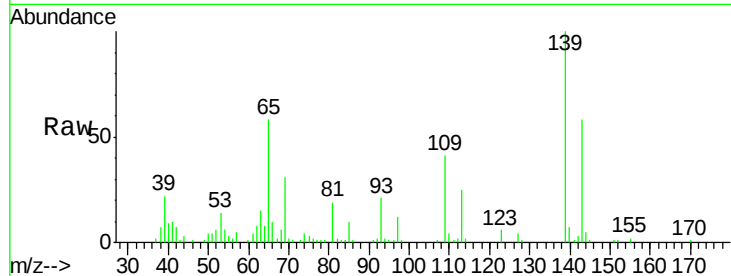




#53
4-Nitrophenol
Concen: 25.08 ng/ul
RT: 15.01 min Scan# 2071
Delta R.T. 0.01 min
Lab File: BG021920.D
Acq: 17 May 2016 00:05

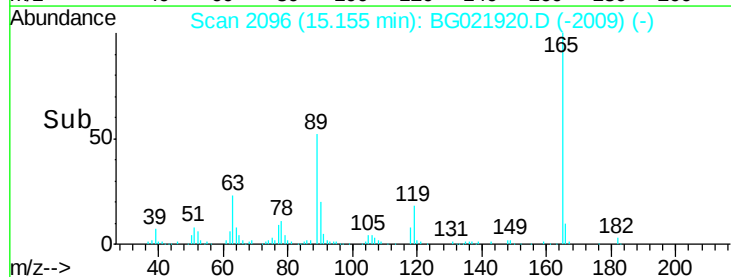
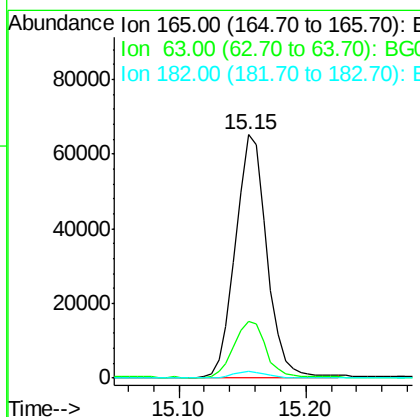
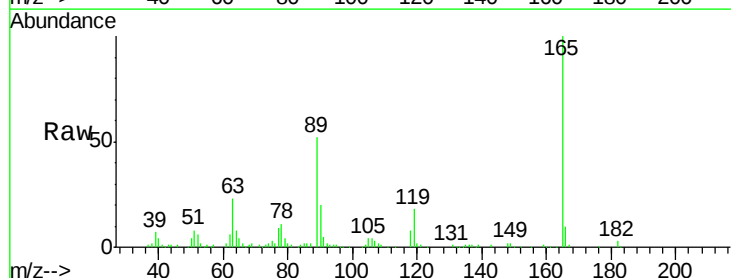
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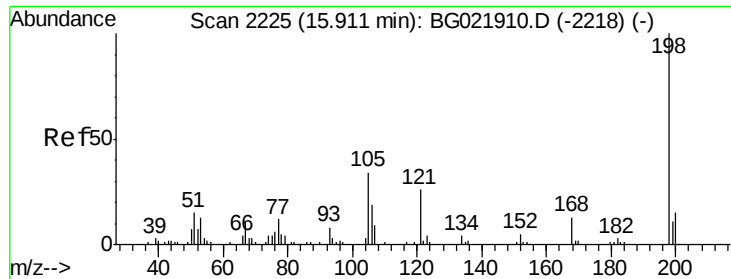
Tot Ion:109 Resp: 27513
Ion Ratio Lower Upper
109 100
139 242.8 75.9 113.9#
65 140.2 99.8 149.8



#55
2,4-Dinitrotoluene
Concen: 28.80 ng/ul
RT: 15.15 min Scan# 2096
Delta R.T. 0.01 min
Lab File: BG021920.D
Acq: 17 May 2016 00:05

Tgt Ion:165 Resp: 112532
Ion Ratio Lower Upper
165 100
63 23.3 48.1 72.1#
182 2.9 2.2 3.2

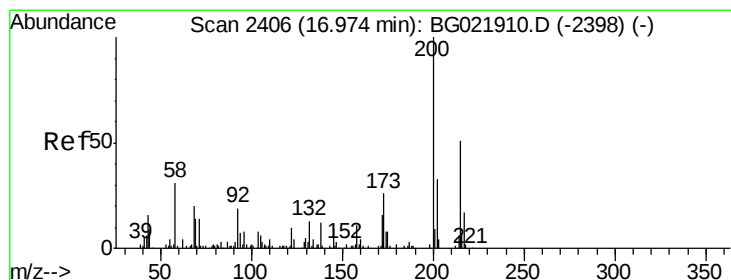
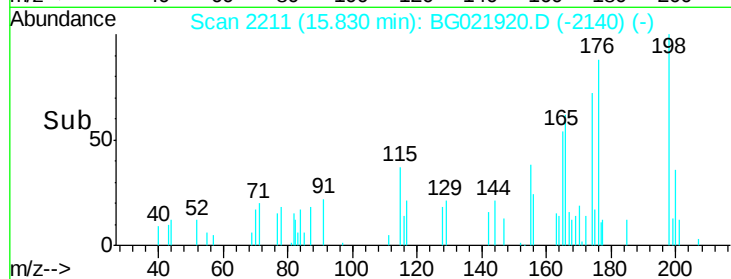
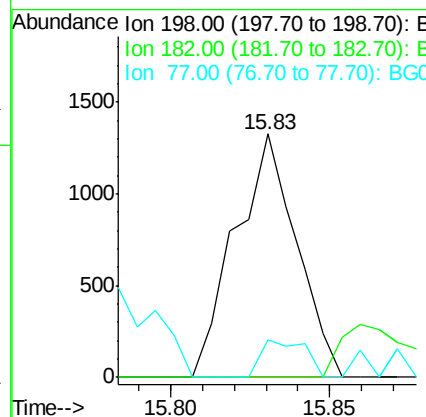
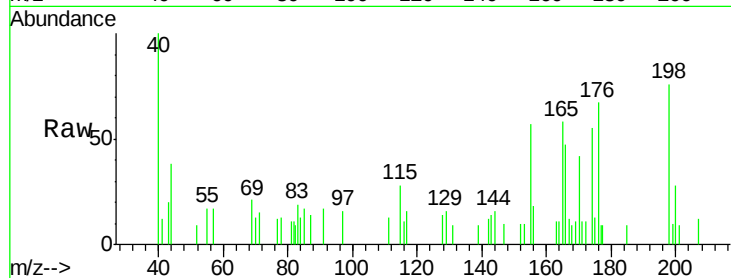




#64
 4,6-Dinitro-2-methylphenol
 Concen: 1.43 ng/ul
 RT: 15.83 min Scan# 2211
 Delta R.T. -0.08 min
 Lab File: BG021920.D
 Acq: 17 May 2016 00:05

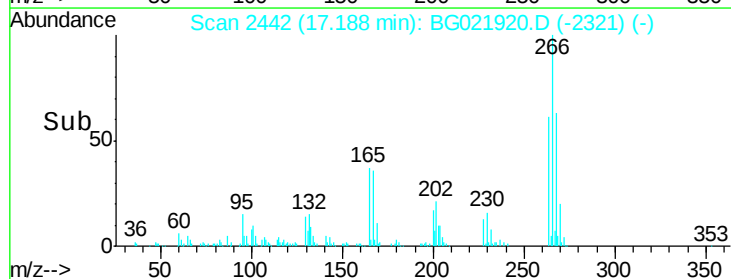
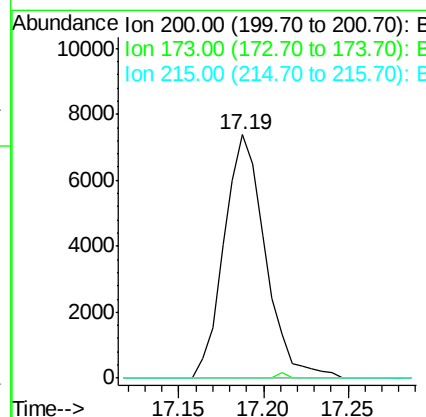
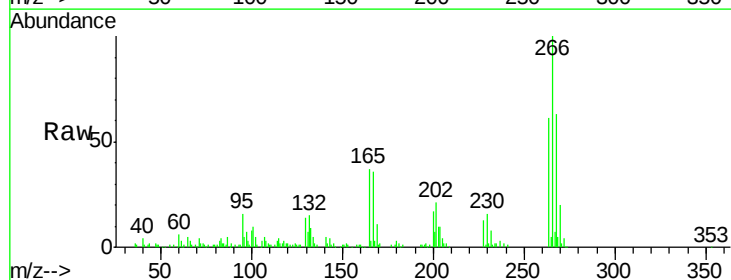
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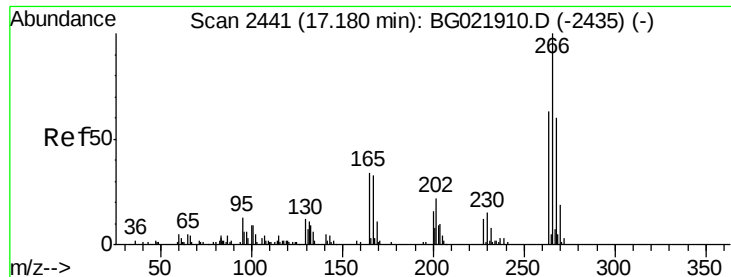
Tot Ion:198 Resp: 1776
 Ion Ratio Lower Upper
 198 100
 182 0.0 3.8 5.8#
 77 15.1 24.2 36.4#



#68
 Atrazine
 Concen: 3.64 ng/ul
 RT: 17.19 min Scan# 2442
 Delta R.T. 0.21 min
 Lab File: BG021920.D
 Acq: 17 May 2016 00:05

Tgt Ion:200 Resp: 12540
 Ion Ratio Lower Upper
 200 100
 173 0.0 19.2 28.8#
 215 0.0 40.2 60.2#

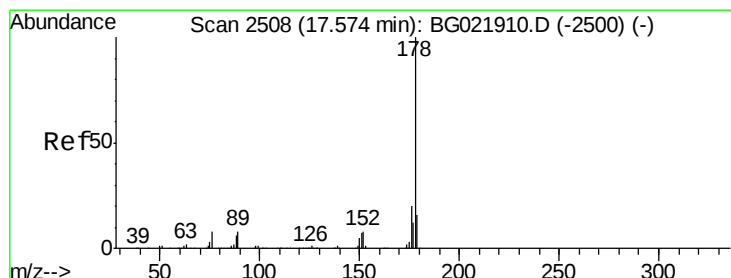
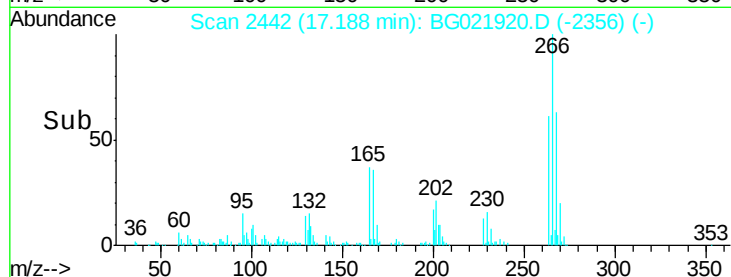
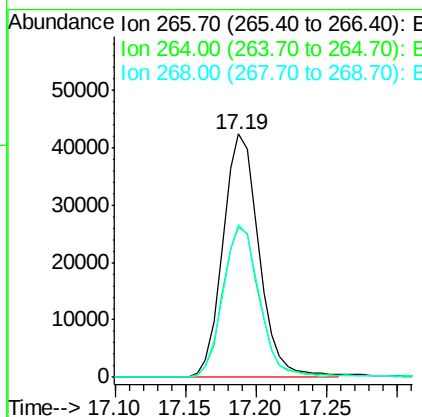
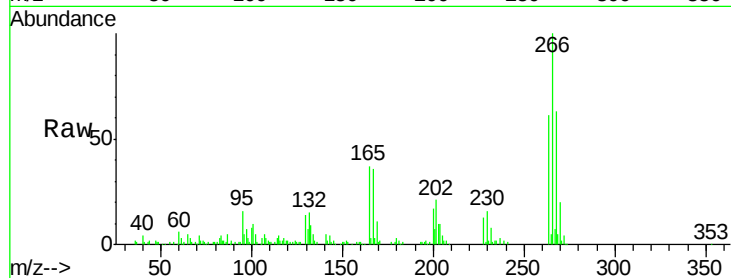




#69
 Pentachlorophenol
 Concen: 39.84 ng/ul
 RT: 17.19 min Scan# 2442
 Delta R.T. 0.01 min
 Lab File: BG021920.D
 Acq: 17 May 2016 00:05

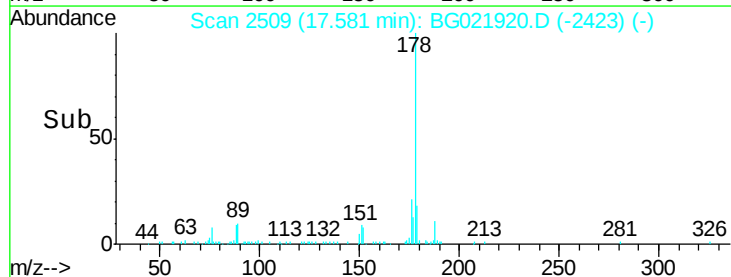
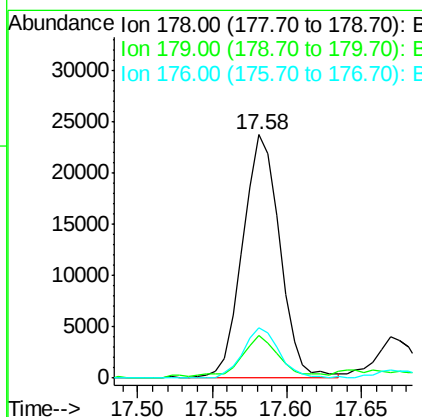
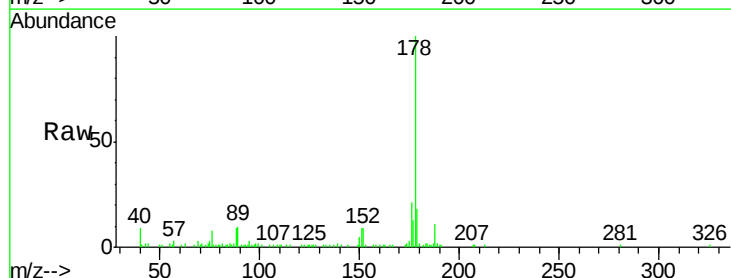
Instrument :
 BNA_G
 ClientSampleId :
 D9XF0MS

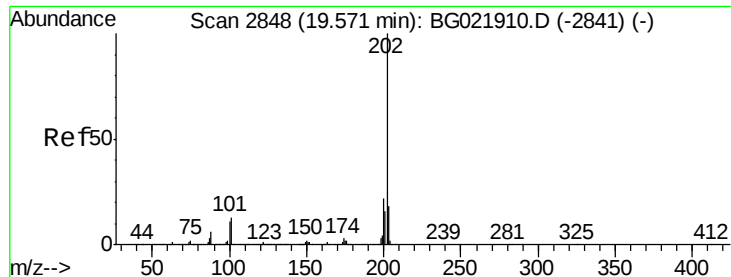
Tot Ion:266 Resp: 75363
 Ion Ratio Lower Upper
 266 100
 264 61.4 56.7 85.1
 268 67.2 50.6 76.0



#70
 Phenanthrene
 Concen: 1.82 ng/ul
 RT: 17.58 min Scan# 2509
 Delta R.T. 0.01 min
 Lab File: BG021920.D
 Acq: 17 May 2016 00:05

Tgt Ion:178 Resp: 40927
 Ion Ratio Lower Upper
 178 100
 179 17.6 11.8 17.8
 176 20.7 14.8 22.2

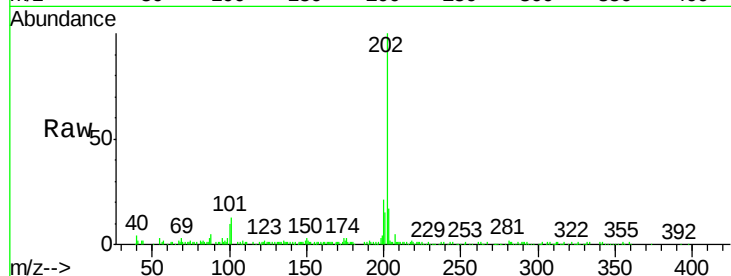




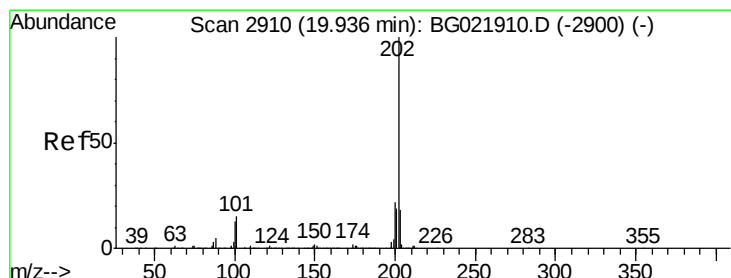
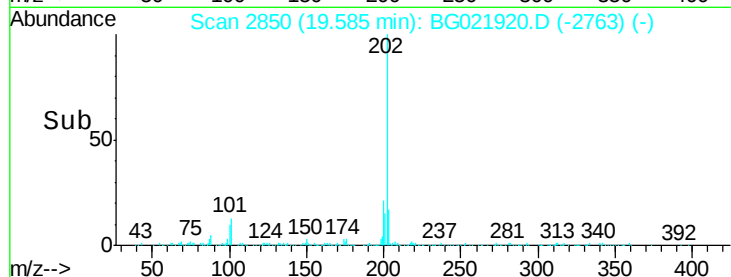
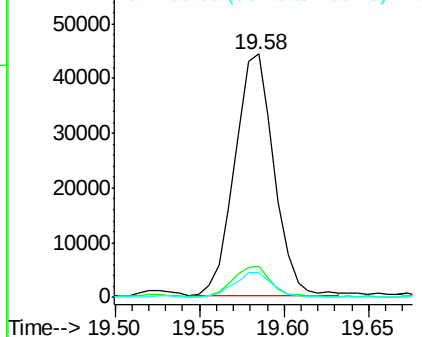
#75
Fluoranthene
Concen: 2.79 ng/ul
RT: 19.58 min Scan# 2850
Delta R.T. 0.01 min
Lab File: BG021920.D
Acq: 17 May 2016 00:05

Instrument :
BNA_G
ClientSampleId :
D9XF0MS

Tot Ion	Ratio	Lower	Upper
202	100		
101	12.6	8.9	13.3
100	10.3	7.0	10.4

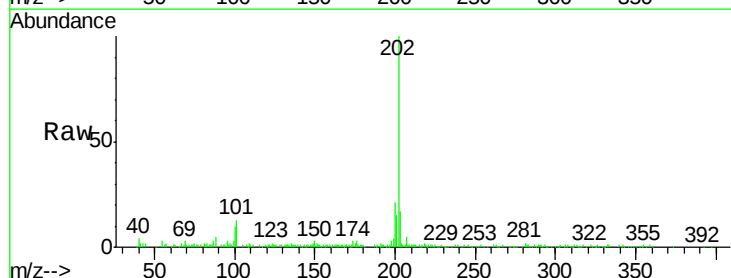


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

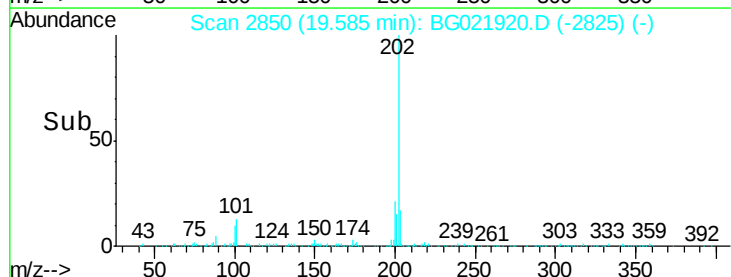
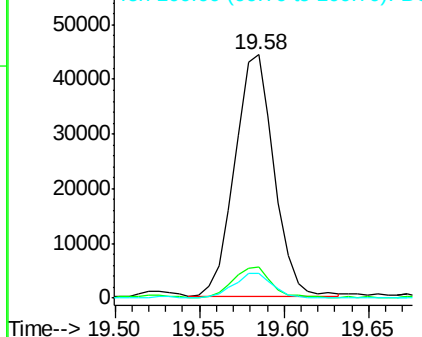


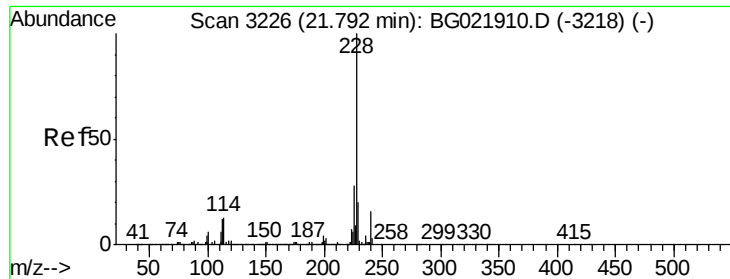
#78
Pyrene
Concen: 3.14 ng/ul
RT: 19.58 min Scan# 2850
Delta R.T. -0.35 min
Lab File: BG021920.D
Acq: 17 May 2016 00:05

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.6	9.8	14.8
100	10.3	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: 1.66 ng/ul

RT: 21.81 min Scan# 3229

Delta R.T. 0.02 min

Lab File: BG021920.D

Acq: 17 May 2016 00:05

Instrument :

BNA_G

ClientSampleId :

D9XF0MS

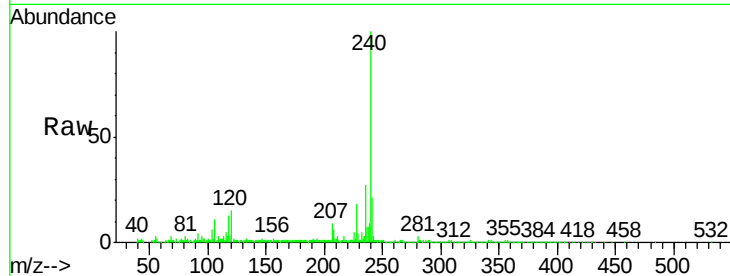
Tot Ion:228 Resp: 36014

Ion Ratio Lower Upper

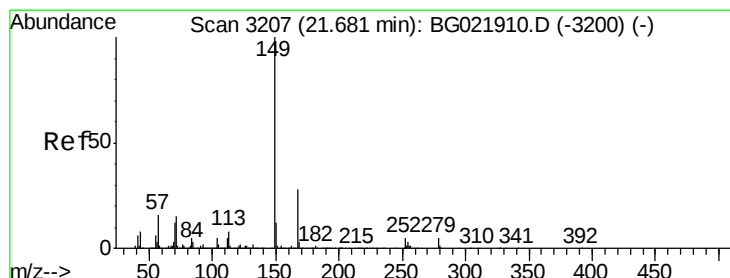
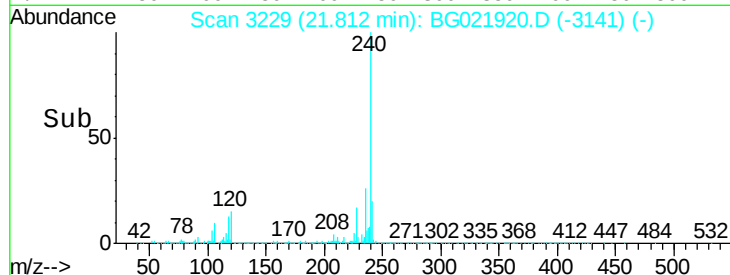
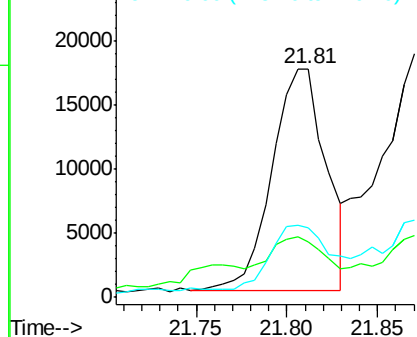
228 100

229 24.1 16.6 25.0

226 30.4 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: 10.78 ng/ul

RT: 21.69 min Scan# 3208

Delta R.T. 0.01 min

Lab File: BG021920.D

Acq: 17 May 2016 00:05

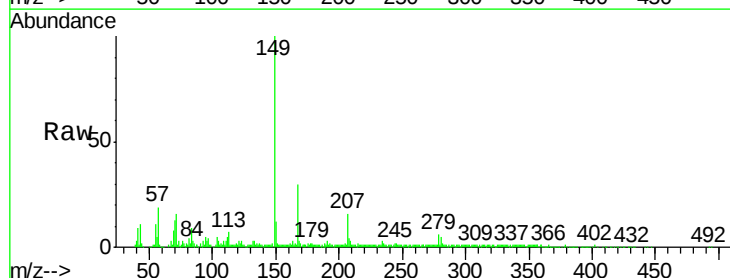
Tgt Ion:149 Resp: 87827

Ion Ratio Lower Upper

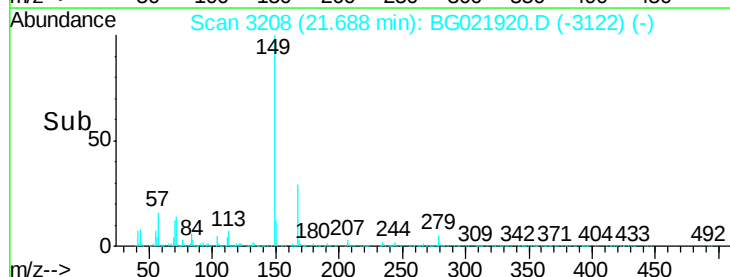
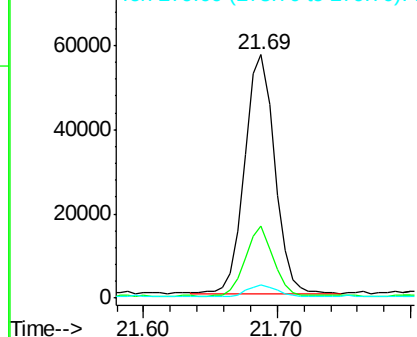
149 100

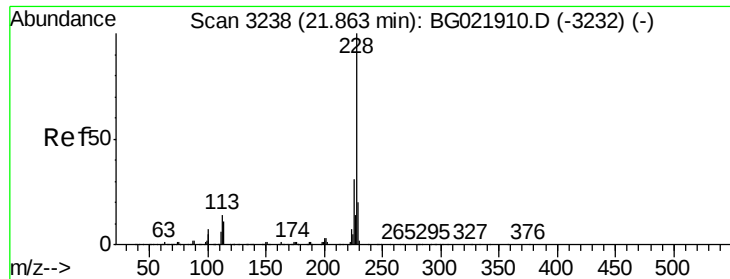
167 29.5 20.5 30.7

279 5.6 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: 1.68 ng/ul

RT: 21.81 min Scan# 3229

Delta R.T. -0.05 min

Lab File: BG021920.D

Acq: 17 May 2016 00:05

Instrument :

BNA_G

ClientSampleId :

D9XF0MS

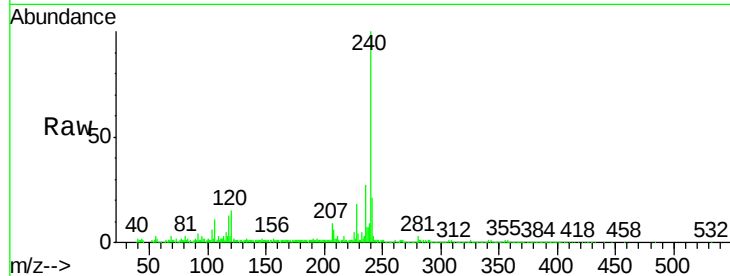
Tot Ion:228 Resp: 36014

Ion Ratio Lower Upper

228 100

226 30.4 23.4 35.2

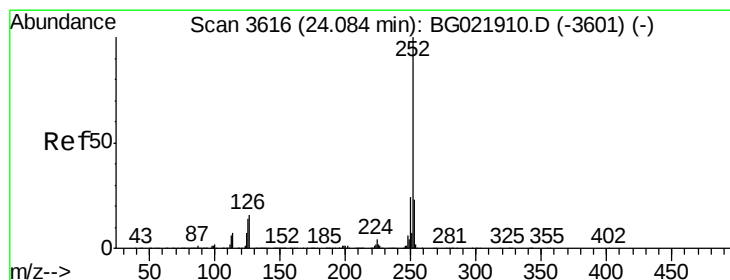
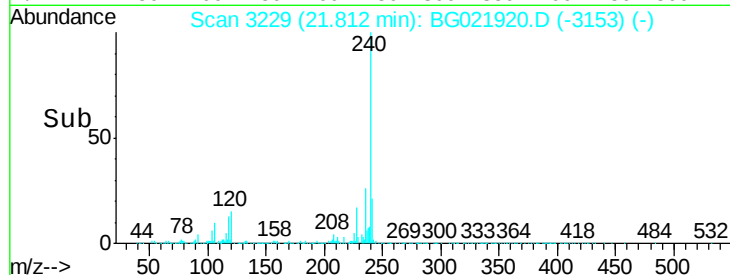
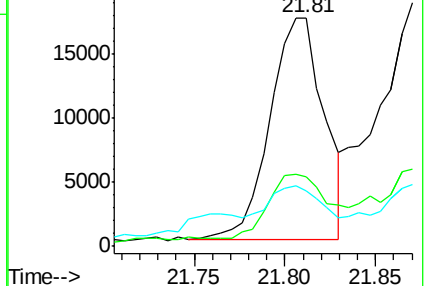
229 24.1 16.2 24.2



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: 2.67 ng/ul

RT: 24.11 min Scan# 3620

Delta R.T. 0.03 min

Lab File: BG021920.D

Acq: 17 May 2016 00:05

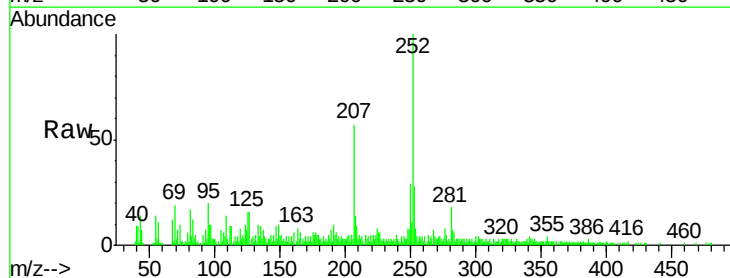
Tgt Ion:252 Resp: 57925

Ion Ratio Lower Upper

252 100

253 27.9 18.1 27.1#

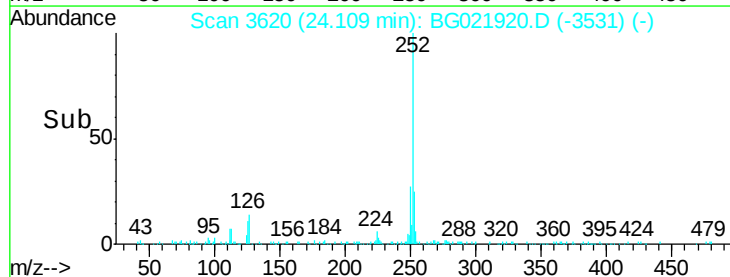
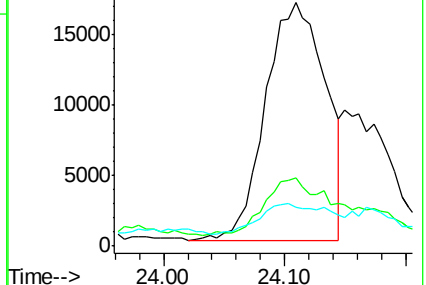
125 15.9 7.6 11.4#

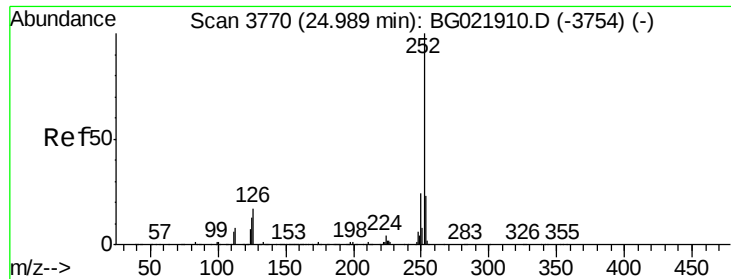


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 1.92 ng/ul

RT: 25.01 min Scan# 3774

Delta R.T. 0.03 min

Lab File: BG021920.D

Acq: 17 May 2016 00:05

Instrument :

BNA_G

ClientSampleId :

D9XF0MS

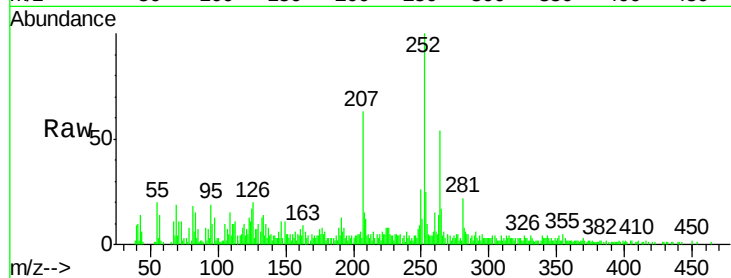
Tot Ion: 252 Resp: 41472

Ion Ratio Lower Upper

252 100

253 25.2 17.4 26.0

125 17.1 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

