

Data File : BG041909.D
Acq On : 3 Aug 2019 14:38
Operator : HP/JU
Sample : K3850-13
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BENS0

Quant Time: Aug 04 00:09:07 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sun Aug 04 00:02:32 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	91317	20.00	ng/ul	0.00
18) Naphthalene-d8	10.86	136	376340	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.69	164	249267	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.45	188	505093	20.00	ng/ul	0.00
77) Chrysene-d12	21.74	240	489346	20.00	ng/ul	0.02
85) Perylene-d12	25.02	264	565138	20.00	ng/ul	0.04

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.43	96	4996	2.39	ng/uL	0.00
5) Phenol-d5	7.19	99	125406	17.50	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.35	67	73975	18.46	ng/ul	0.00
9) 2-Chlorophenol-d4	7.56	132	115354	18.83	ng/ul	0.00
13) 4-Methylphenol-d8	8.74	113	88542	14.72	ng/ul	0.00
19) Nitrobenzene-d5	9.20	128	57173	20.18	ng/ul	0.00
22) 2-Nitrophenol-d4	9.93	143	69943	21.26	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.48	165	128298	19.32	ng/ul	0.00
29) 4-Chloroaniline-d4	10.99	131	68434	9.29	ng/ul	0.00
43) Dimethylphthalate-d6	14.09	166	413524	21.39	ng/ul	0.00
46) Acenaphthylene-d8	14.39	160	477539	21.62	ng/ul	0.00
51) 4-Nitrophenol-d4	14.88	143	34956	10.77	ng/ul	0.00
57) Fluorene-d10	15.69	176	365107	21.23	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.80	200	14487	4.47	ng/ul	0.01
70) Anthracene-d10	17.55	188	536554	22.14	ng/ul	0.01
78) Pyrene-d10	19.84	212	605257	22.16	ng/ul	0.00
89) Benzo(a)pyrene-d12	24.80	264	667902	22.62	ng/ul	0.04

Target Compounds

					Qvalue	
2) 1,4-Dioxane	3.45	88	143	0.066	ng/uL#	23
4) Benzaldehyde	7.17	77	4590	1.356	ng/ul#	78
6) Phenol	7.21	94	10862	1.468	ng/ul#	89
8) Bis(2-Chloroethyl)ether	7.21	93	64	0.011	ng/ul#	1
11) 2-Methylphenol	8.28	108	133	0.022	ng/ul#	6
12) 2,2'-oxybis(1-Chloropropan	8.72	45	226	0.024	ng/ul#	73
14) Acetophenone	8.86	105	40485	4.375	ng/ul	95
15) N-Nitroso-di-n-propylamine	8.78	70	56	0.011	ng/ul#	15
16) 4-Methylphenol	8.28	108	133	0.021	ng/ul#	1
17) Hexachloroethane	8.74	117	460	0.179	ng/ul#	1
20) Nitrobenzene	9.19	77	349	0.054	ng/ul#	37
21) Isophorone	9.93	82	4778	0.371	ng/ul#	67
23) 2-Nitrophenol	10.47	139	640	0.182	ng/ul#	1
24) 2,4-Dimethylphenol	10.26	107	53	0.008	ng/ul#	13
25) Bis(2-Chloroethoxy)methane	10.47	93	228	0.030	ng/ul#	1
28) Naphthalene	10.91	128	8846	0.460	ng/ul	97
30) 4-Chloroaniline	11.02	127	56	0.008	ng/ul#	42
34) 2-Methylnaphthalene	12.53	142	6123	0.400	ng/ul	93
40) 1,1'-Biphenyl	13.53	154	2595	0.143	ng/ul	96
41) 2-Chloronaphthalene	13.67	162	173	0.012	ng/ul#	40
42) 2-Nitroaniline	14.02	65	111	0.029	ng/ul#	58
44) Dimethylphthalate	14.14	163	158119	8.237	ng/ul	99
45) 2,6-Dinitrotoluene	14.25	165	65	0.016	ng/ul#	38

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) Acenaphthylene	14.42	152	3681	0.165	ng/ul#	85
48) 3-Nitroaniline	14.57	138	172	0.052	ng/ul#	8
49) Acenaphthene	14.76	153	127376	8.173	ng/ul	99
52) 4-Nitrophenol	14.89	109	142	0.059	ng/ul#	44
53) Dibenzofuran	15.09	168	33658	1.447	ng/ul	96
54) 2,4-Dinitrotoluene	15.05	165	178	0.029	ng/ul#	29
55) 2,3,4,6-Tetrachlorophenol	15.50	232	113	0.019	ng/ul#	1
56) Diethylphthalate	15.51	149	933	0.049	ng/ul#	87
58) Fluorene	15.75	166	84126	4.490	ng/ul	93
59) 4-Chlorophenyl-phenylether	16.30	204	57	0.005	ng/ul#	29
60) 4-Nitroaniline	15.75	138	1590	0.429	ng/ul#	22
63) 4,6-Dinitro-2-methylphenol	15.75	198	2935	0.841	ng/ul#	80
64) N-Nitrosodiphenylamine	15.95	169	1735	0.116	ng/ul#	1
65) 4-Bromophenyl-phenylether	16.92	248	165	0.025	ng/ul	94
66) Hexachlorobenzene	16.76	284	434	0.065	ng/ul#	69
67) Atrazine	16.87	200	242	0.039	ng/ul#	66
68) Pentachlorophenol	17.63	266	241	0.066	ng/ul	86
69) Phenanthrene	17.49	178	1160790	41.979	ng/ul	96
71) Anthracene	17.59	178	384747	13.719	ng/ul	99
73) Pentachlorobenzene	15.32	250	57	0.007	ng/uL#	25
74) Carbazole	17.84	167	69296	2.983	ng/ul	97
75) Di-n-butylphthalate	18.41	149	3645	0.127	ng/ul#	51
76) Fluoranthene	19.51	202	2590043	81.068	ng/ul#	93
79) Pyrene	19.51	202	2590756	78.708	ng/ul	97
80) Butylbenzylphthalate	20.35	149	2130	0.164	ng/ul	92
81) 3,3'-Dichlorobenzidine	21.64	252	521	0.047	ng/ul#	62
82) Benzo(a)anthracene	21.72	228	2081059	61.336	ng/ul#	90
83) Bis(2-ethylhexyl)phthalate	21.63	149	9061	0.513	ng/ul#	79
84) Chrysene	21.79	228	2032900	64.196	ng/ul#	90
86) Di-n-octyl phthalate	22.87	149	1551	0.055	ng/ul	100
87) Benzo(b)fluoranthene	23.99	252	2822657	79.589	ng/ul	94
88) Benzo(k)fluoranthene	23.99	252	2822657	82.777	ng/ul	94
90) Benzo(a)pyrene	24.88	252	2138089	63.265	ng/ul	96
91) Indeno(1,2,3-cd)pyrene	28.77	276	962338	24.413	ng/ul	96
92) Dibenzo(a,h)anthracene	28.81	278	150070	4.667	ng/ul#	90
93) Benzo(g,h,i)perylene	29.94	276	778526	23.656	ng/ul	97

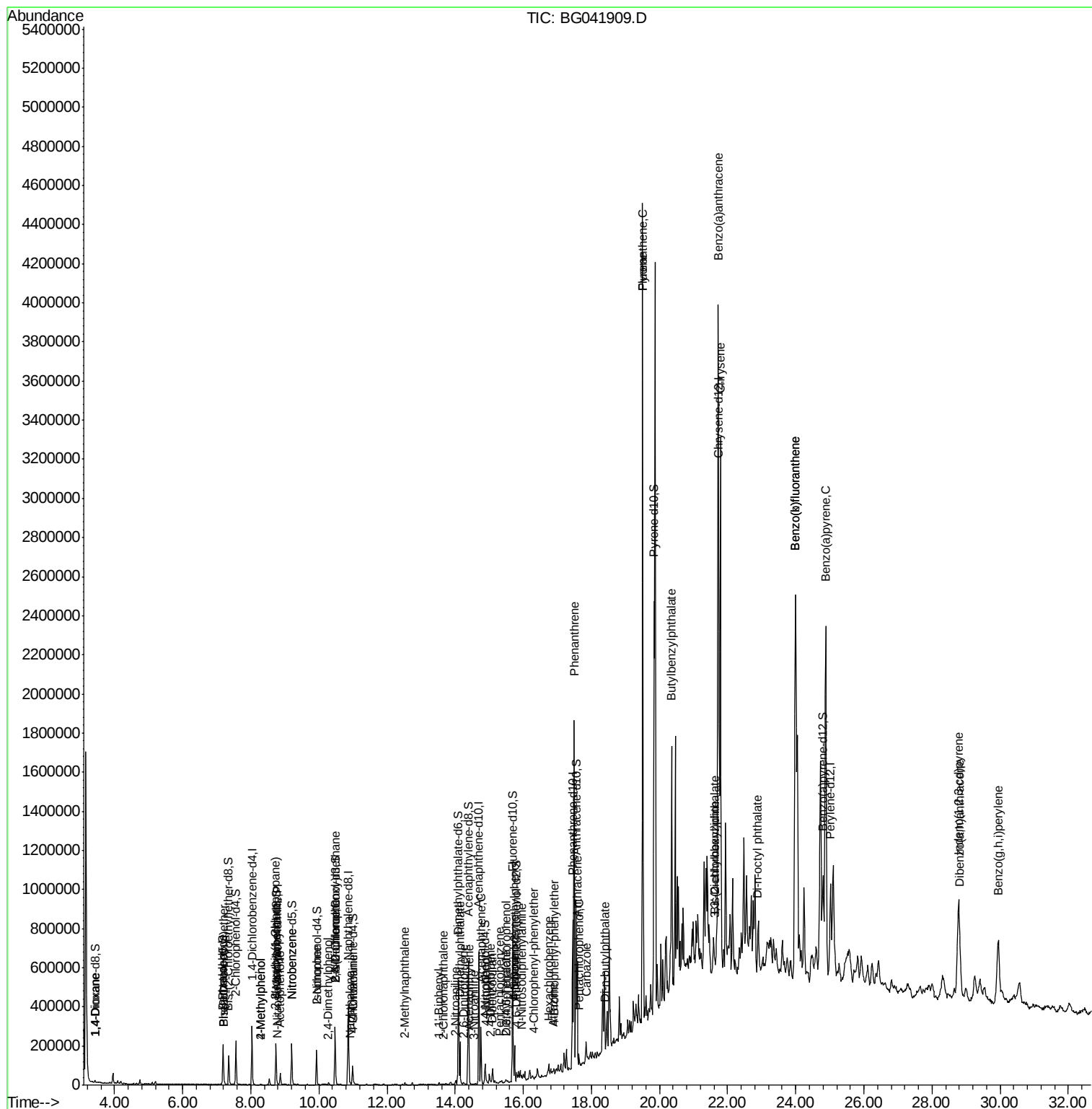
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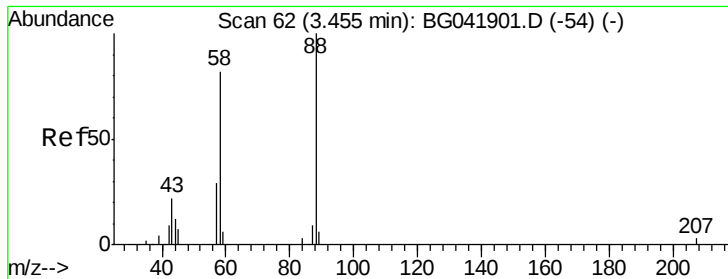
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#2

1,4-Dioxane

Concen: 0.066 ng/uL

RT: 3.45 min Scan# 62

Delta R.T. -0.00 min

Lab File: BG041909.D

Acq: 3 Aug 2019 14:38

Instrument :

BNA_G

ClientSampleId :

BENS0

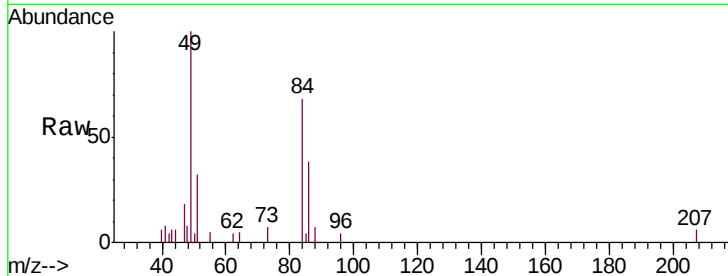
Tgt Ion: 88 Resp: 143

Ion Ratio Lower Upper

88 100

43 78.6 36.3 54.5#

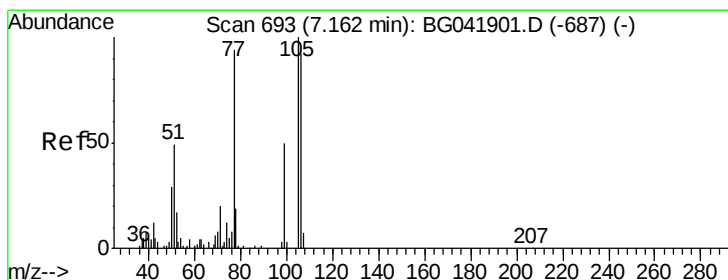
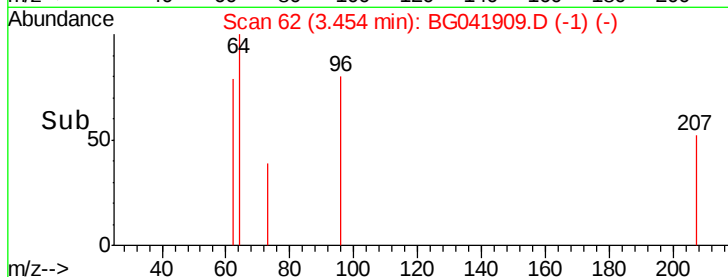
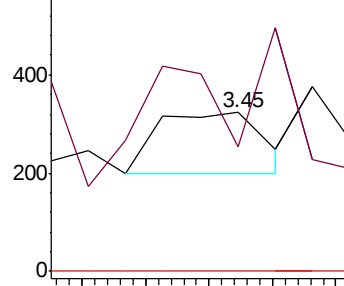
58 0.0 66.0 99.0#



Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 43.00 (42.70 to 43.70): BGC

Ion 58.00 (57.70 to 58.70): BGC



#4

Benzaldehyde

Concen: 1.356 ng/uL

RT: 7.17 min Scan# 694

Delta R.T. 0.01 min

Lab File: BG041909.D

Acq: 3 Aug 2019 14:38

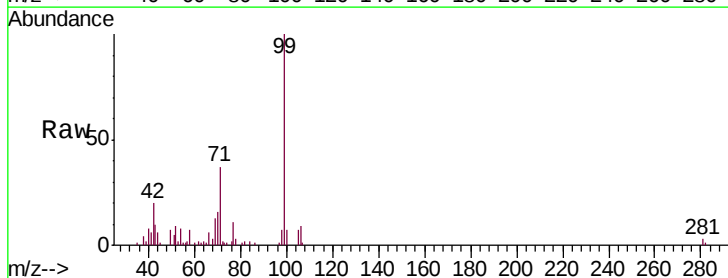
Tgt Ion: 77 Resp: 4590

Ion Ratio Lower Upper

77 100

105 68.2 80.7 121.1#

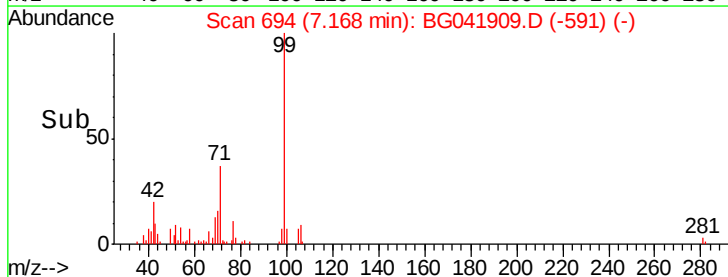
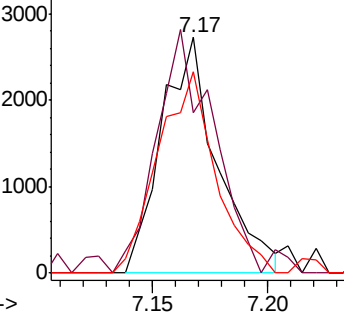
106 85.7 76.3 114.5

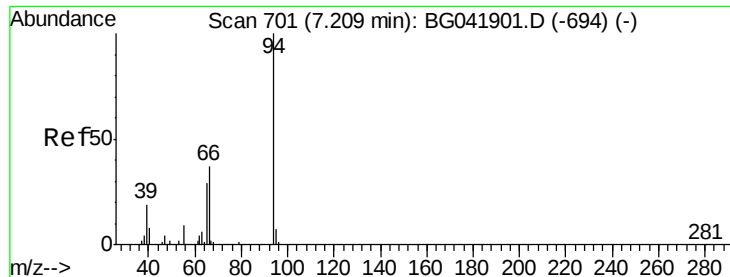


Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 106.00 (105.70 to 106.70): BGC





#6

Phenol

Concen: 1.468 ng/ul

RT: 7.21 min Scan# 701

Delta R.T. -0.00 min

Lab File: BG041909.D

Acq: 3 Aug 2019 14:38

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BENS0

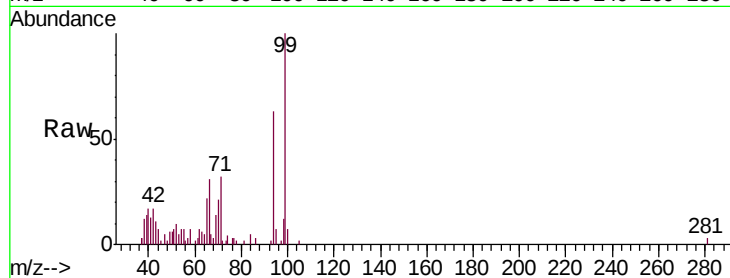
Tgt Ion: 94 Resp: 10862

Ion Ratio Lower Upper

94 100

65 35.2 25.8 38.6

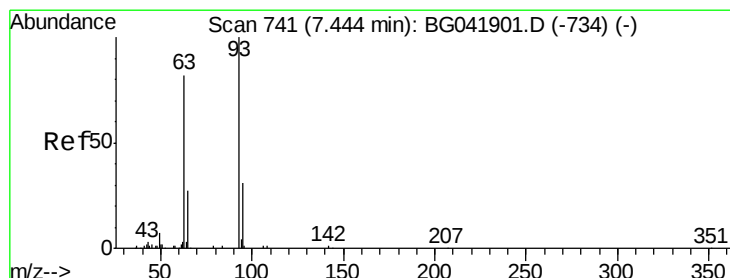
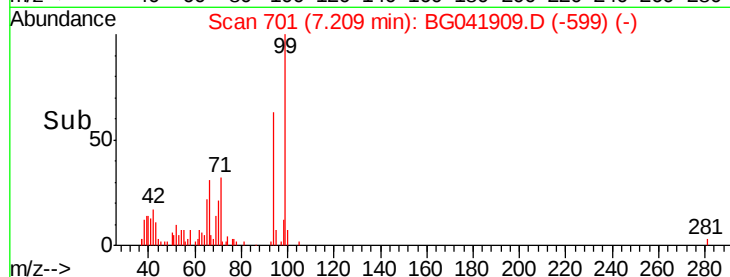
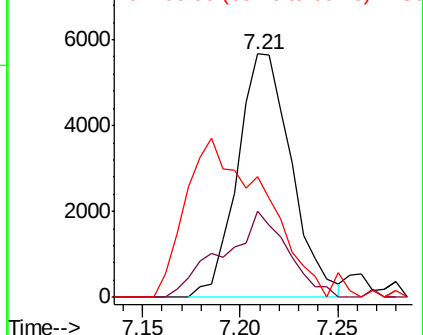
66 49.4 31.8 47.8#



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



#8

Bis(2-Chloroethyl)ether

Concen: 0.011 ng/ul

RT: 7.21 min Scan# 701

Delta R.T. -0.24 min

Lab File: BG041909.D

Acq: 3 Aug 2019 14:38

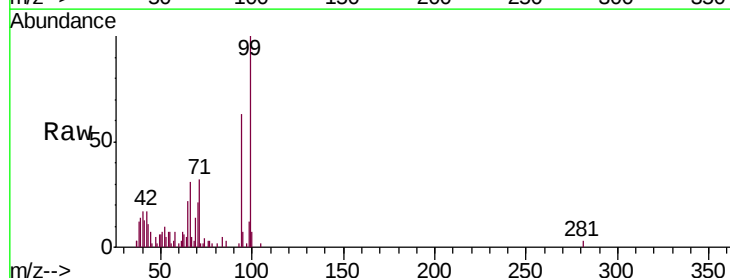
Tgt Ion: 93 Resp: 64

Ion Ratio Lower Upper

93 100

63 306.0 67.4 101.0#

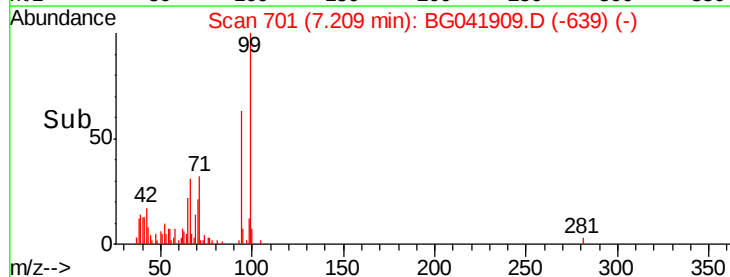
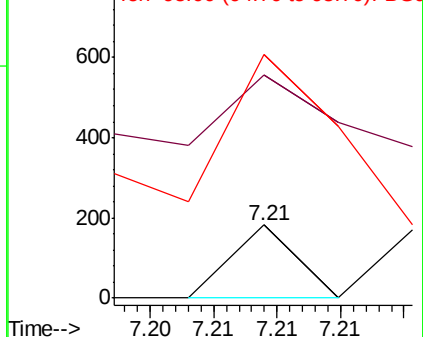
95 333.5 25.9 38.9#

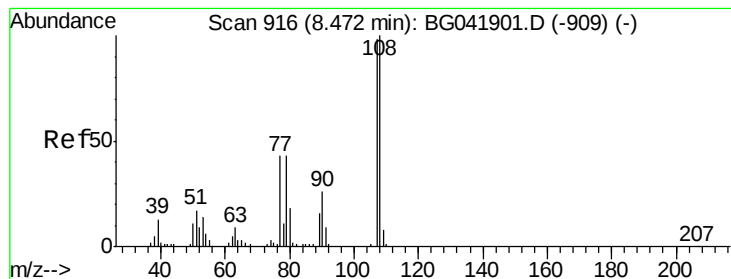


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 63.00 (62.70 to 63.70): BGC

Ion 95.00 (94.70 to 95.70): BGC





#11

2-Methylphenol

Concen: 0.022 ng/ul

RT: 8.28 min Scan# 883

Delta R.T. -0.19 min

Lab File: BG041909.D

Acq: 3 Aug 2019 14:38

Instrument :

BNA_G

ClientSampleId :

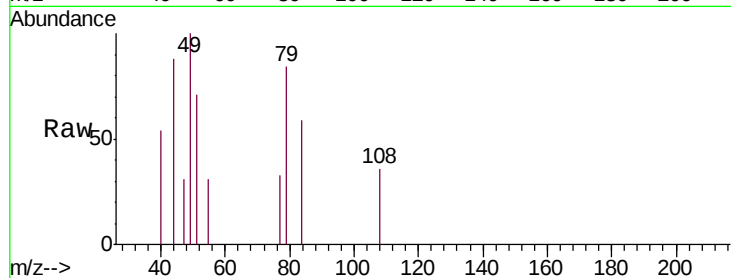
BENS0

Tgt Ion: 108 Resp: 133

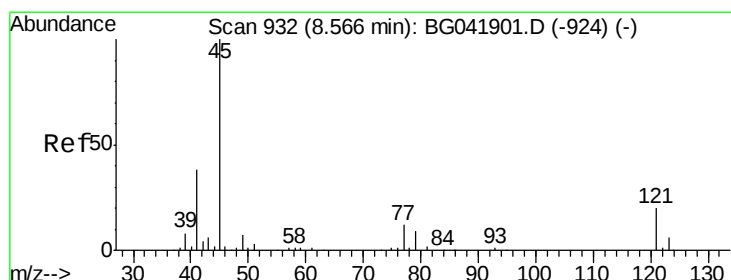
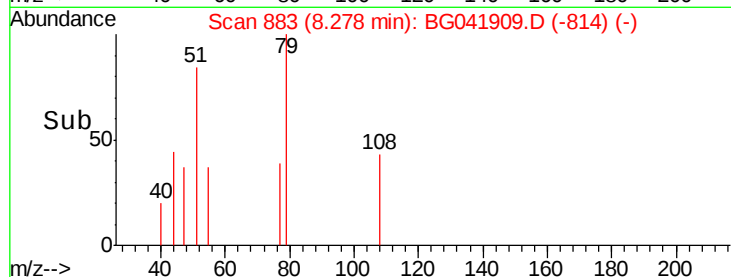
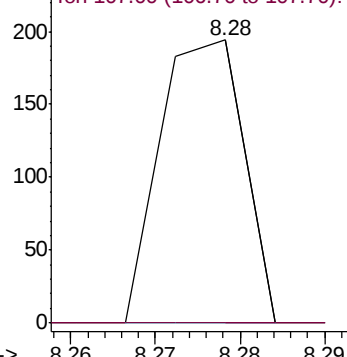
Ion Ratio Lower Upper

108 100

107 0.0 69.9 104.9#



Abundance Ion 108.00 (107.70 to 108.70): E



#12

2,2'-oxybis(1-Chloropropane)

Concen: 0.024 ng/ul

RT: 8.72 min Scan# 959

Delta R.T. 0.16 min

Lab File: BG041909.D

Acq: 3 Aug 2019 14:38

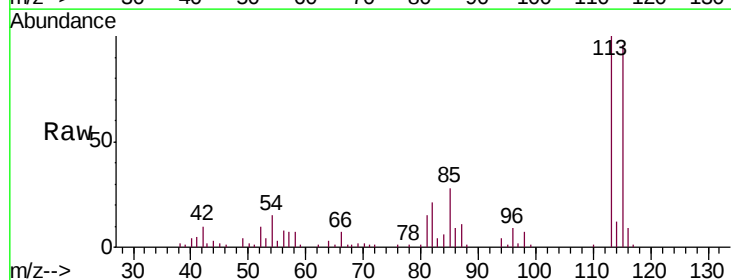
Tgt Ion: 45 Resp: 226

Ion Ratio Lower Upper

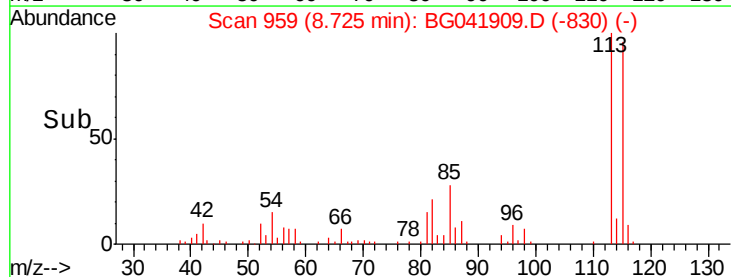
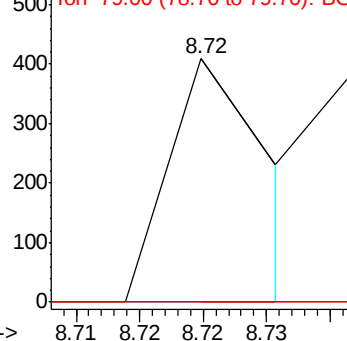
45 100

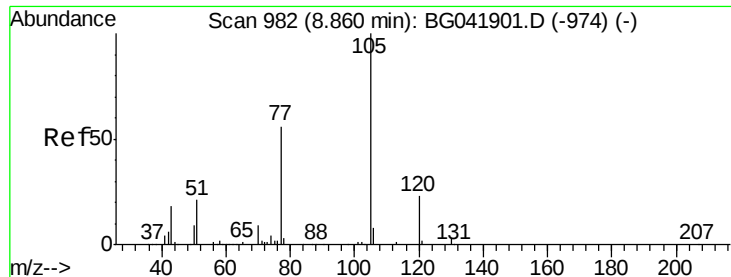
77 0.0 8.6 12.8#

79 0.0 7.2 10.8#



Abundance Ion 45.00 (44.70 to 45.70): BGC

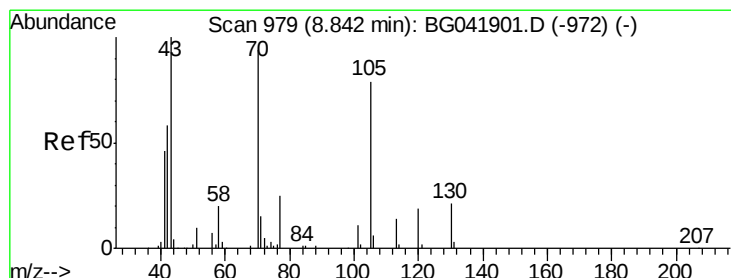
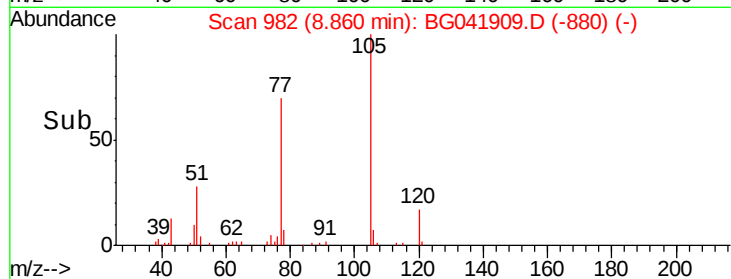
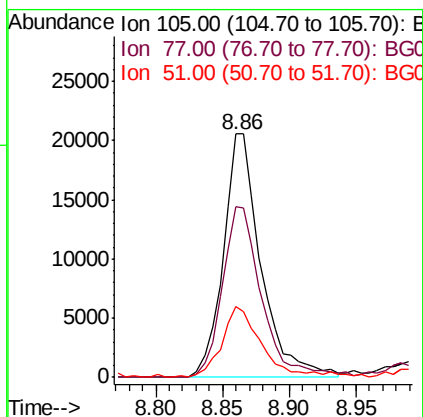
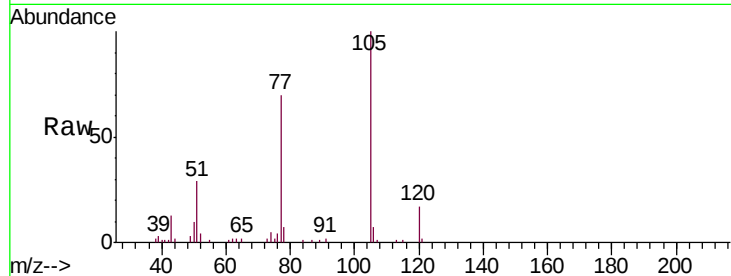




#14
Acetophenone
Concen: 4.375 ng/ul
RT: 8.86 min Scan# 982
Delta R.T. -0.00 min
Lab File: BG041909.D
Acq: 3 Aug 2019 14:38

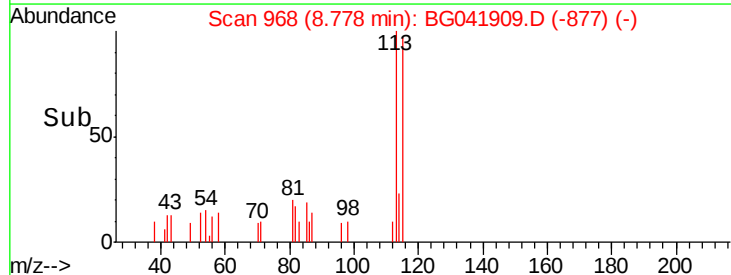
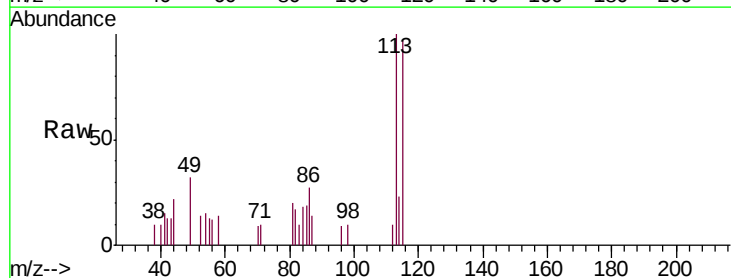
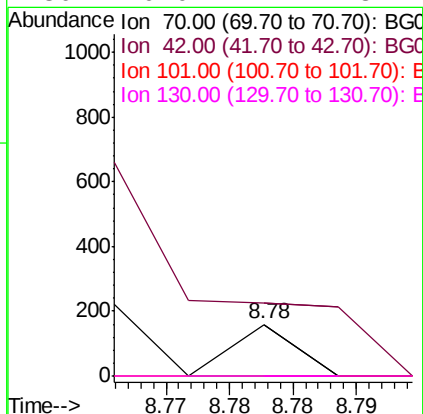
Instrument :
BNA_G
ClientSampled :
BENS0

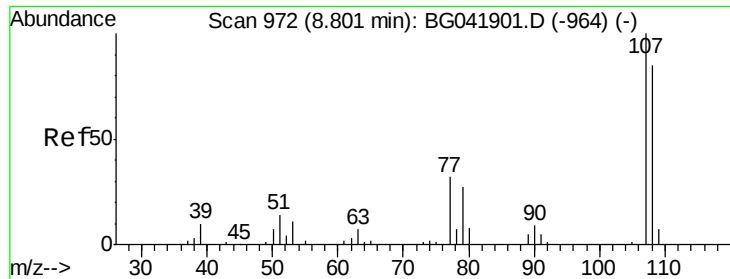
Tgt Ion: 105 Resp: 40485
Ion Ratio Lower Upper
105 100
77 70.3 60.0 90.0
51 29.3 22.1 33.1



#15
N-Nitroso-di-n-propylamine
Concen: 0.011 ng/ul
RT: 8.78 min Scan# 968
Delta R.T. -0.06 min
Lab File: BG041909.D
Acq: 3 Aug 2019 14:38

Tgt Ion: 70 Resp: 56
Ion Ratio Lower Upper
70 100
42 140.6 46.4 69.6#
101 0.0 9.7 14.5#
130 0.0 21.1 31.7#

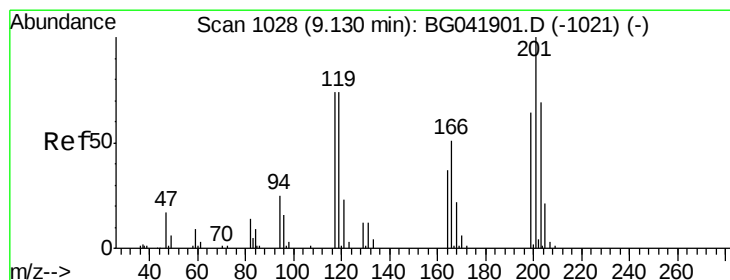
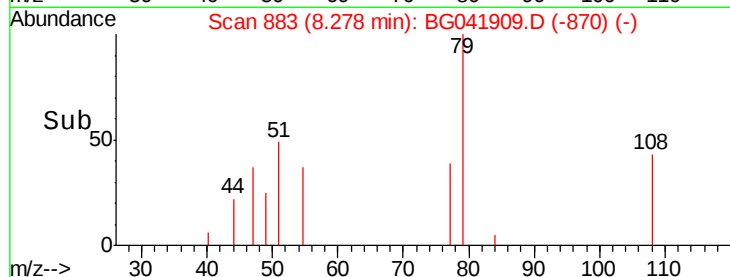
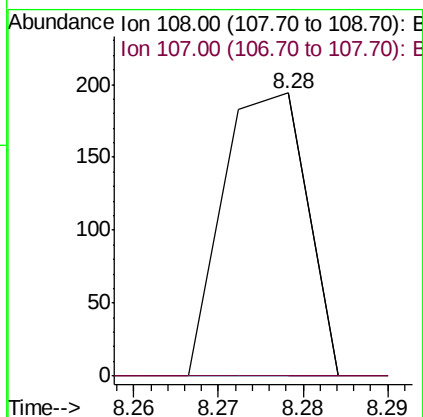
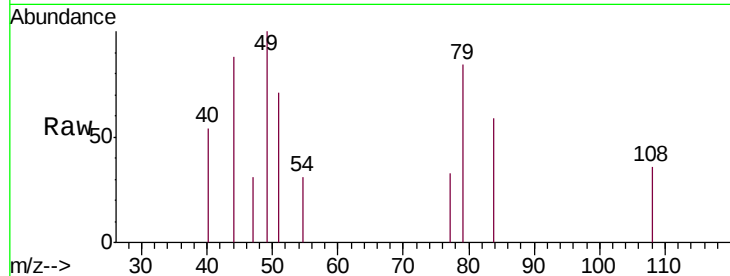




#16
4-Methylphenol
Concen: 0.021 ng/ul
RT: 8.28 min Scan# 883
Delta R.T. -0.52 min
Lab File: BG041909.D
Acq: 3 Aug 2019 14:38

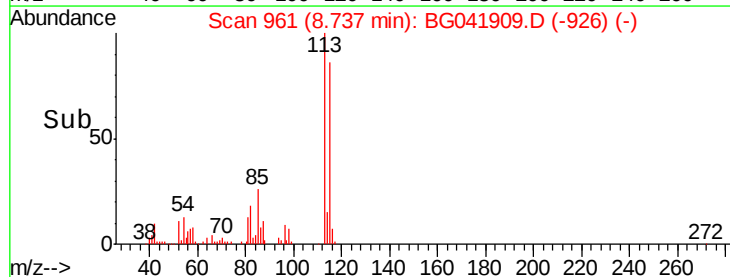
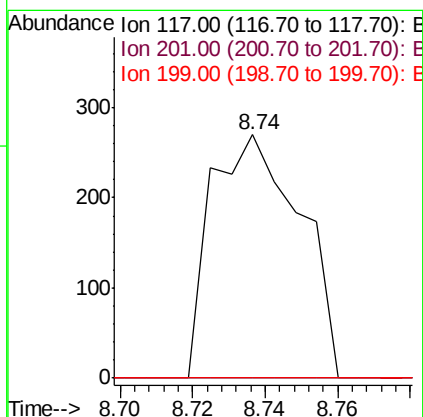
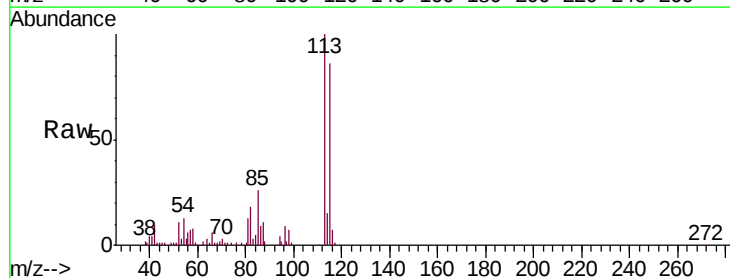
Instrument :
BNA_G
ClientSampleId :
BENS0

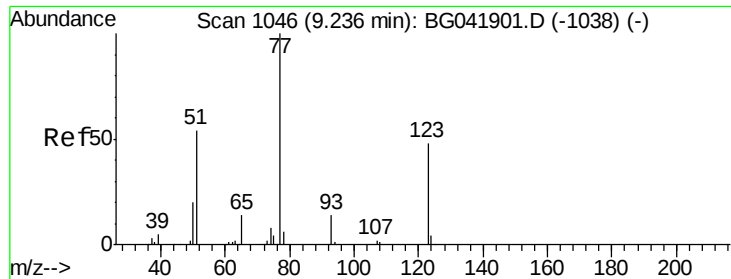
Tgt Ion:108 Resp: 133
Ion Ratio Lower Upper
108 100
107 0.0 96.2 144.2#



#17
Hexachloroethane
Concen: 0.179 ng/ul
RT: 8.74 min Scan# 961
Delta R.T. -0.39 min
Lab File: BG041909.D
Acq: 3 Aug 2019 14:38

Tgt Ion:117 Resp: 460
Ion Ratio Lower Upper
117 100
201 0.0 103.4 155.2#
199 0.0 62.9 94.3#

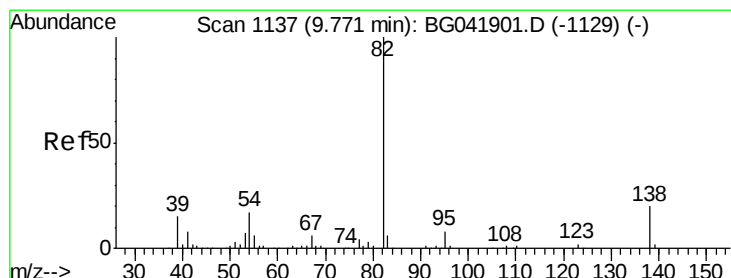
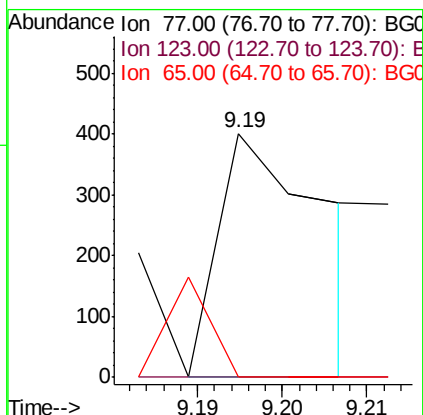
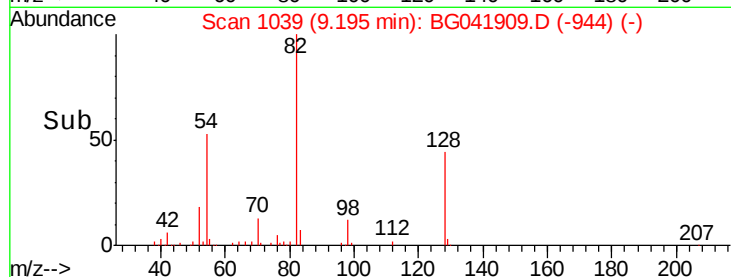
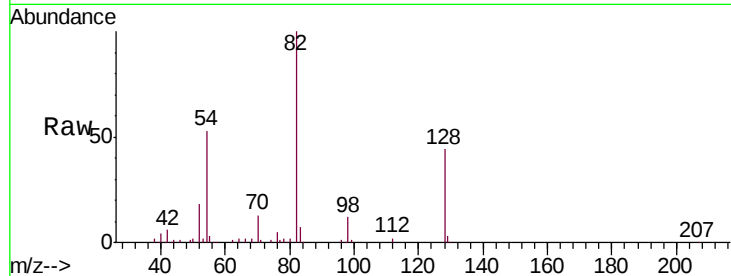




#20
Nitrobenzene
Concen: 0.054 ng/ul
RT: 9.19 min Scan# 1039
Delta R.T. -0.04 min
Lab File: BG041909.D
Acq: 3 Aug 2019 14:38

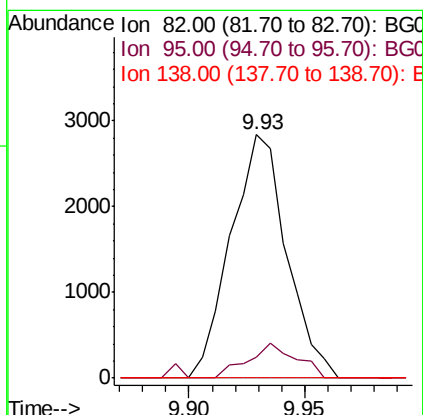
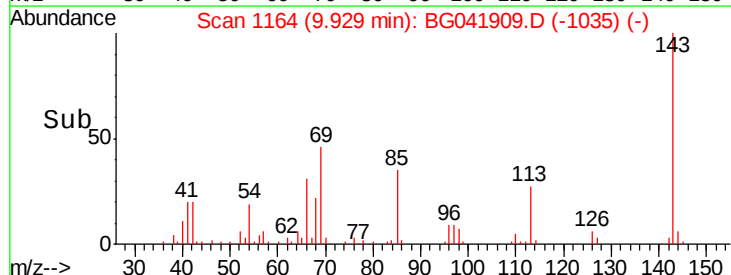
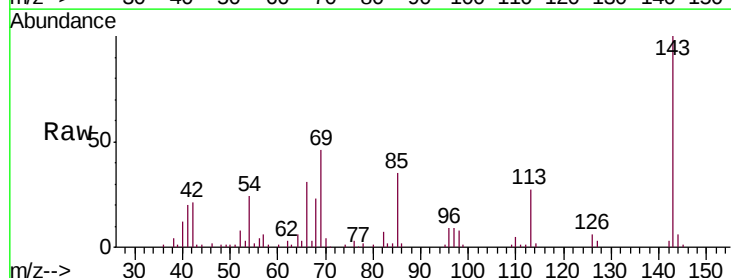
Instrument :
BNA_G
ClientSampled :
BENS0

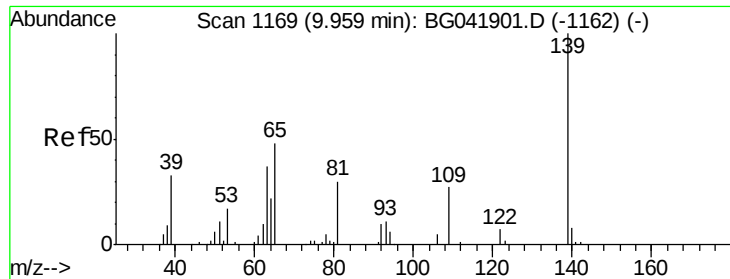
Tgt Ion: 77 Resp: 349
Ion Ratio Lower Upper
77 100
123 0.0 38.3 57.5#
65 0.0 11.6 17.4#



#21
Isophorone
Concen: 0.371 ng/ul
RT: 9.93 min Scan# 1164
Delta R.T. 0.16 min
Lab File: BG041909.D
Acq: 3 Aug 2019 14:38

Tgt Ion: 82 Resp: 4778
Ion Ratio Lower Upper
82 100
95 8.4 5.6 8.4
138 0.0 15.8 23.8#





#23

2-Nitrophenol

Concen: 0.182 ng/ul

RT: 10.47 min Scan# 1256

Delta R.T. 0.51 min

Lab File: BG041909.D

Acq: 3 Aug 2019 14:38

Instrument :

BNA_G

ClientSampled :

BENS0

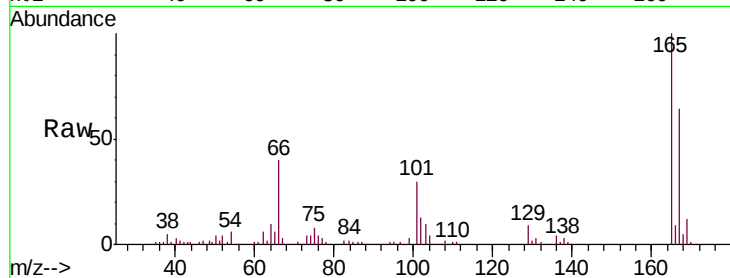
Tgt Ion:139 Resp: 640

Ion Ratio Lower Upper

139 100

65 878.0 38.6 57.8#

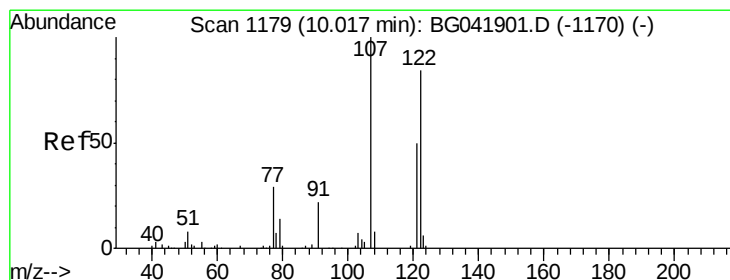
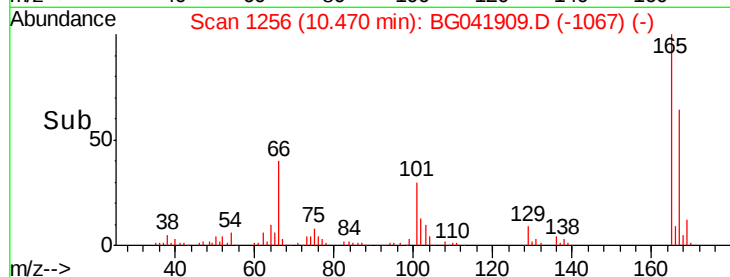
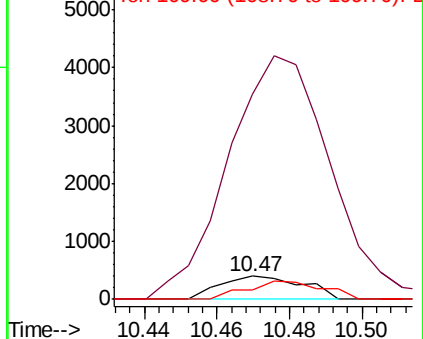
109 42.6 21.9 32.9#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 65.00 (64.70 to 65.70): BG0

Ion 109.00 (108.70 to 109.70): E



#24

2,4-Dimethylphenol

Concen: 0.008 ng/ul

RT: 10.26 min Scan# 1221

Delta R.T. 0.25 min

Lab File: BG041909.D

Acq: 3 Aug 2019 14:38

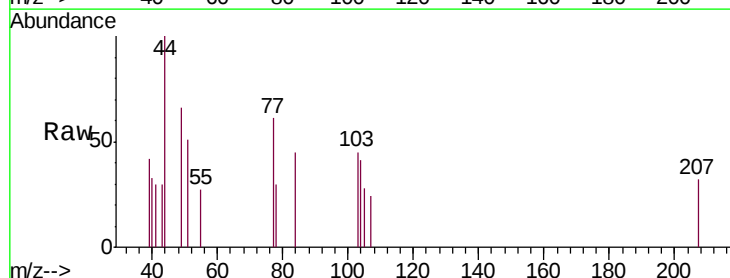
Tgt Ion:107 Resp: 53

Ion Ratio Lower Upper

107 100

121 0.0 45.0 67.6#

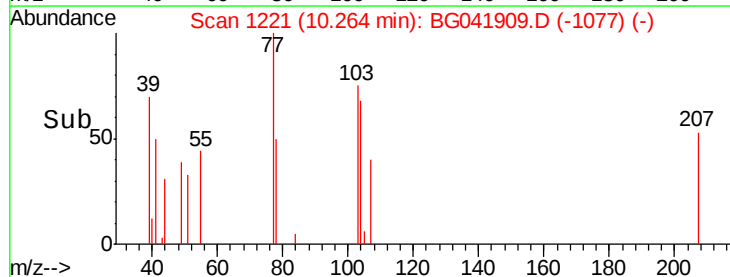
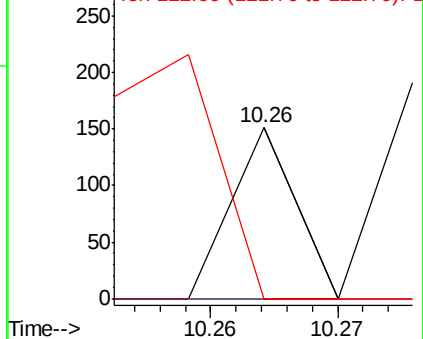
122 0.0 68.1 102.1#

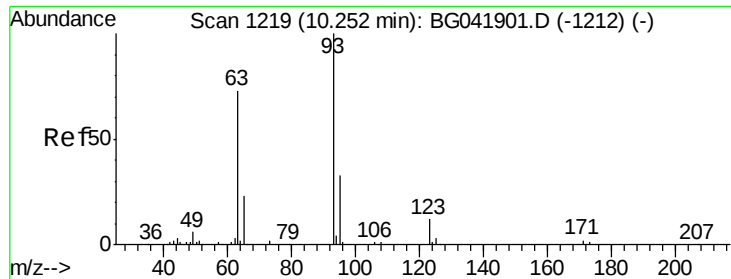


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E

Ion 122.00 (121.70 to 122.70): E





#25

Bis(2-Chloroethoxy)methane

Concen: 0.030 ng/ul

RT: 10.47 min Scan# 1256

Delta R.T. 0.22 min

Lab File: BG041909.D

Acq: 3 Aug 2019 14:38

Instrument :

BNA_G

ClientSampled :

BENS0

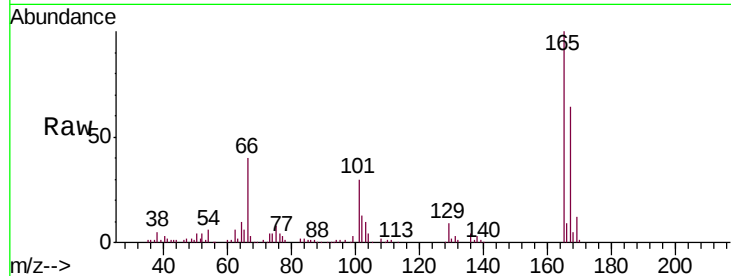
Tgt Ion: 93 Resp: 228

Ion Ratio Lower Upper

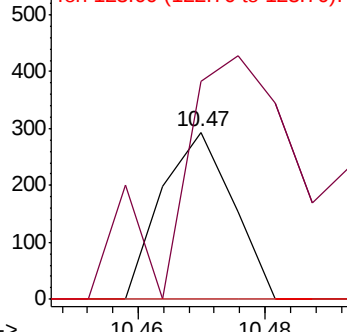
93 100

95 130.3 25.4 38.0#

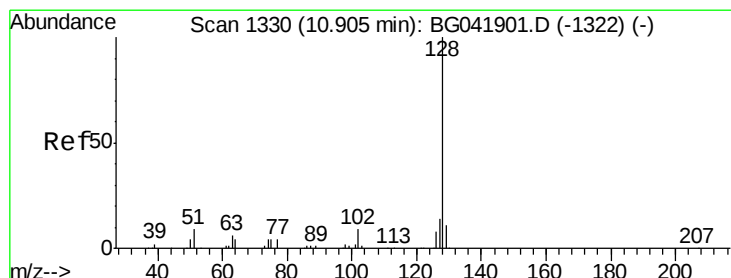
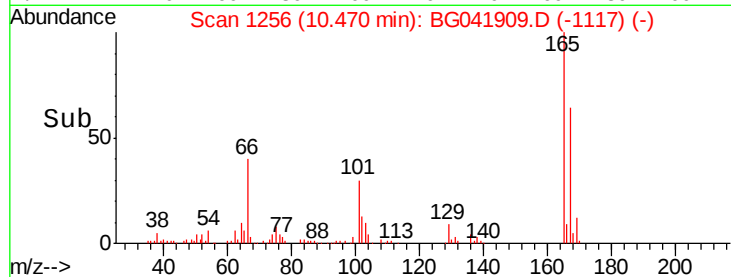
123 0.0 9.6 14.4#



Abundance Ion 93.00 (92.70 to 93.70): BGC
Ion 95.00 (94.70 to 95.70): BGC
Ion 123.00 (122.70 to 123.70): BGC



Time-->



#28

Naphthalene

Concen: 0.460 ng/ul

RT: 10.91 min Scan# 1331

Delta R.T. 0.01 min

Lab File: BG041909.D

Acq: 3 Aug 2019 14:38

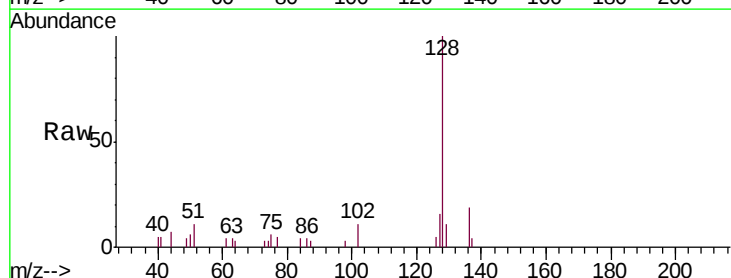
Tgt Ion: 128 Resp: 8846

Ion Ratio Lower Upper

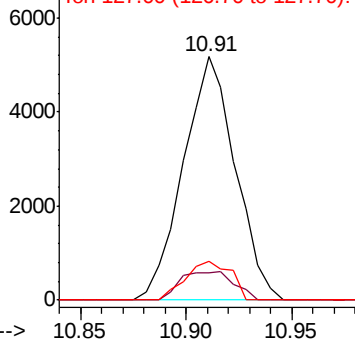
128 100

129 11.3 9.5 14.3

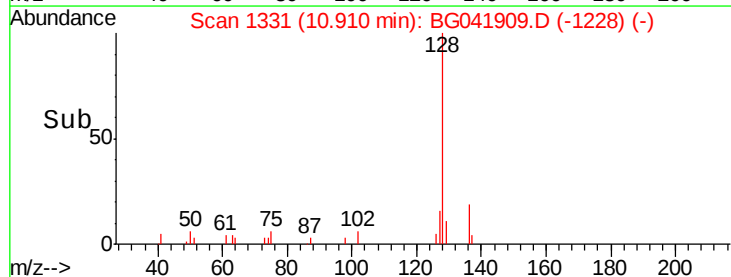
127 15.8 11.4 17.0

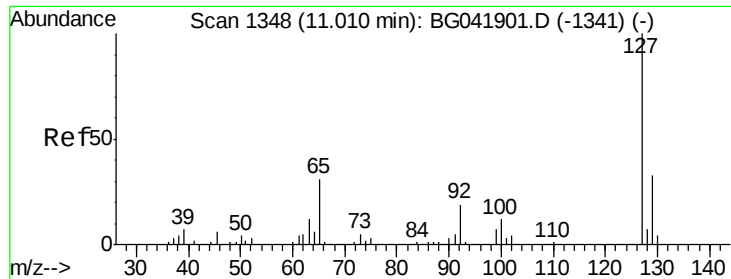


Abundance Ion 128.00 (127.70 to 128.70): BGC
Ion 129.00 (128.70 to 129.70): BGC
Ion 127.00 (126.70 to 127.70): BGC



Time-->

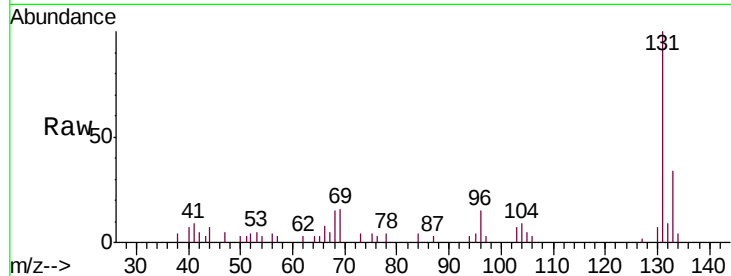




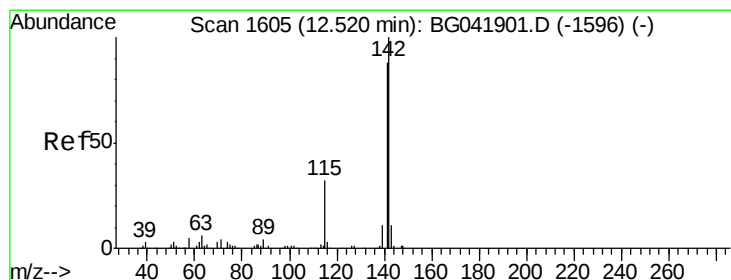
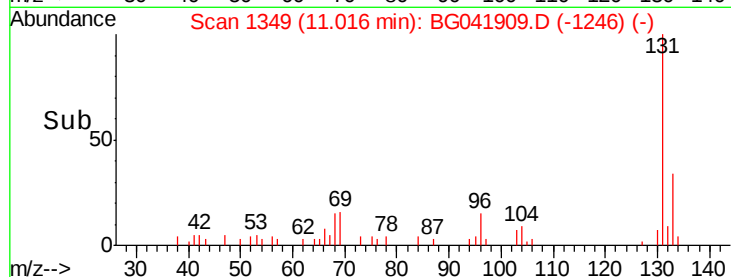
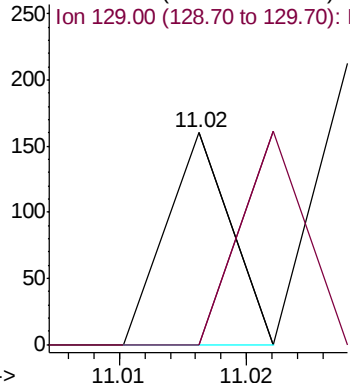
#30
4-Chloroaniline
Concen: 0.008 ng/ul
RT: 11.02 min Scan# 1349
Delta R.T. 0.01 min
Lab File: BG041909.D
Acq: 3 Aug 2019 14:38

Instrument :
BNA_G
ClientSampleId :
BENS0

Tgt Ion:127 Resp: 56
Ion Ratio Lower Upper
127 100
129 0.0 26.5 39.7#

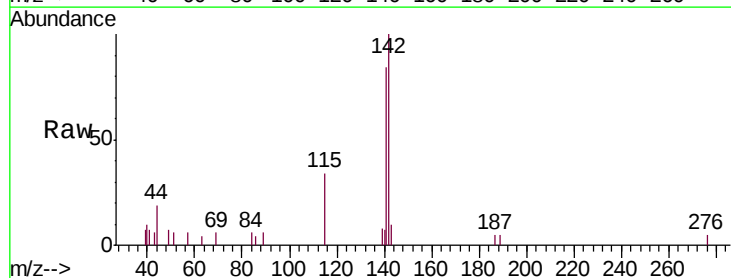


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E

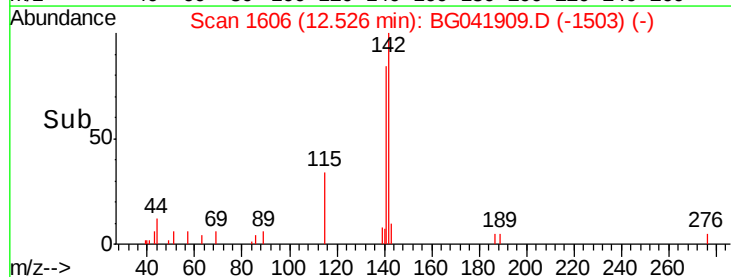
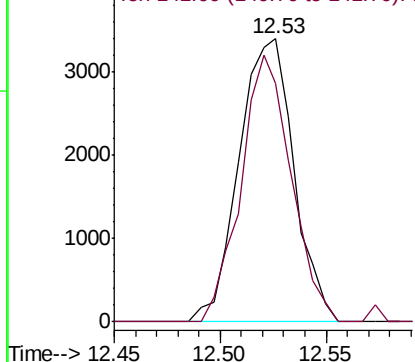


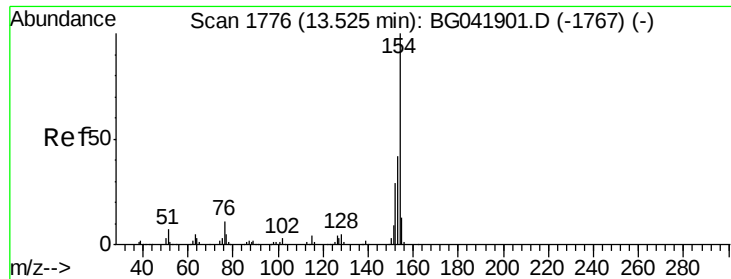
#34
2-Methylnaphthalene
Concen: 0.400 ng/ul
RT: 12.53 min Scan# 1606
Delta R.T. 0.01 min
Lab File: BG041909.D
Acq: 3 Aug 2019 14:38

Tgt Ion:142 Resp: 6123
Ion Ratio Lower Upper
142 100
141 84.2 72.9 109.3



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E

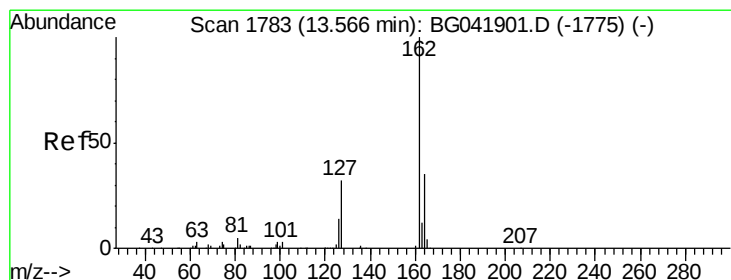
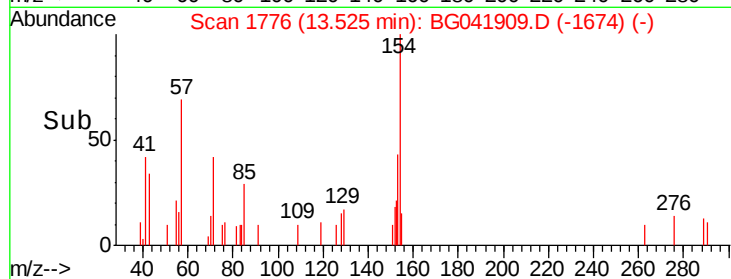
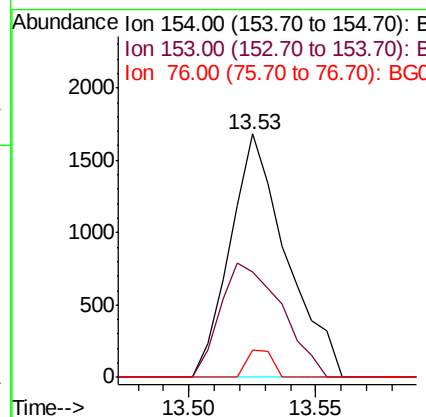
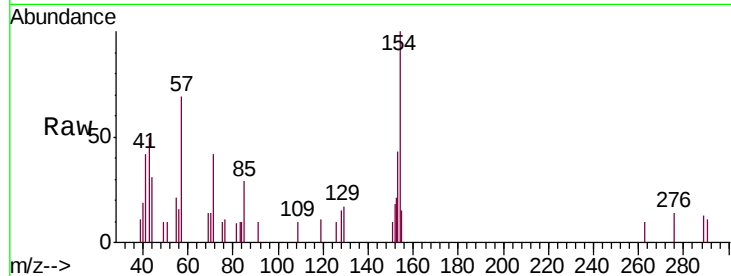




#40
 1,1'-Biphenyl
 Concen: 0.143 ng/ul
 RT: 13.53 min Scan# 1776
 Delta R.T. -0.00 min
 Lab File: BG041909.D
 Acq: 3 Aug 2019 14:38

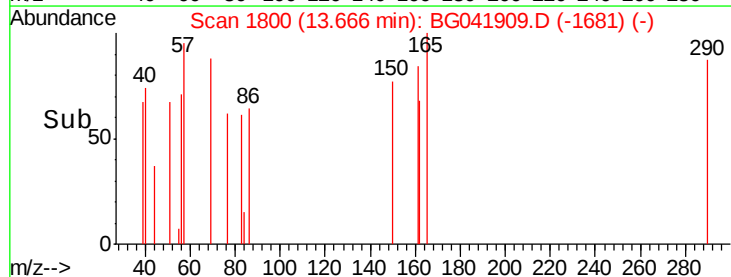
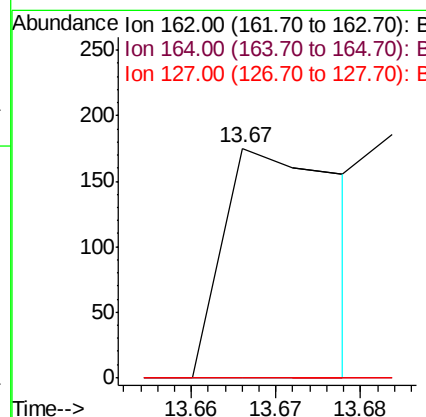
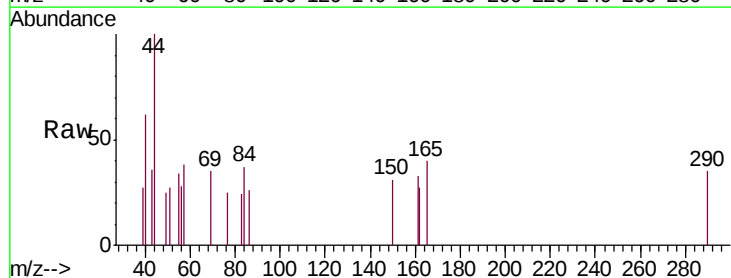
Instrument :
 BNA_G
 ClientSampleId :
 BENS0

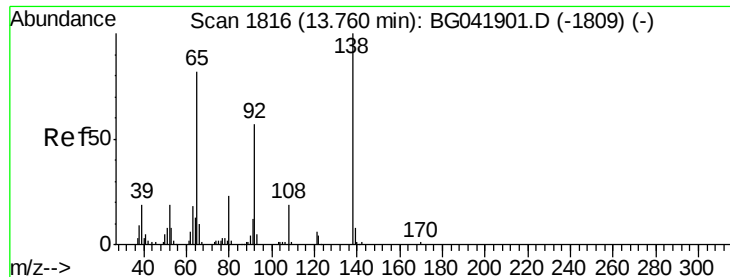
Tgt Ion:	154	Resp:	2595
Ion	Ratio	Lower	Upper
154	100		
153	43.4	32.6	48.8
76	11.0	8.6	13.0



#41
 2-Chloronaphthalene
 Concen: 0.012 ng/ul
 RT: 13.67 min Scan# 1800
 Delta R.T. 0.10 min
 Lab File: BG041909.D
 Acq: 3 Aug 2019 14:38

Tgt Ion:	162	Resp:	173
Ion	Ratio	Lower	Upper
162	100		
164	0.0	26.9	40.3#
127	0.0	27.8	41.8#





#42

2-Nitroaniline

Concen: 0.029 ng/ul

RT: 14.02 min Scan# 1860

Delta R.T. 0.26 min

Lab File: BG041909.D

Acq: 3 Aug 2019 14:38

Instrument :

BNA_G

ClientSampleId :

BENS0

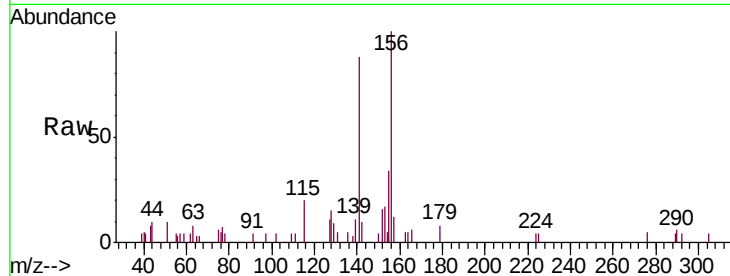
Tgt Ion: 65 Resp: 111

Ion Ratio Lower Upper

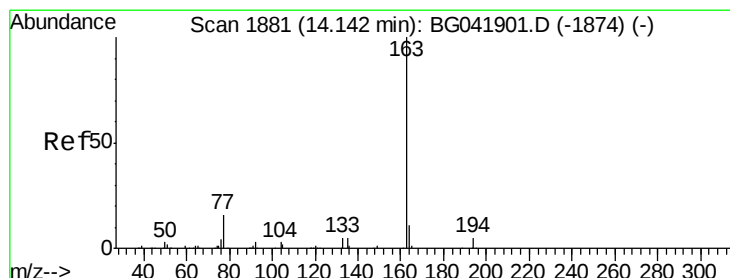
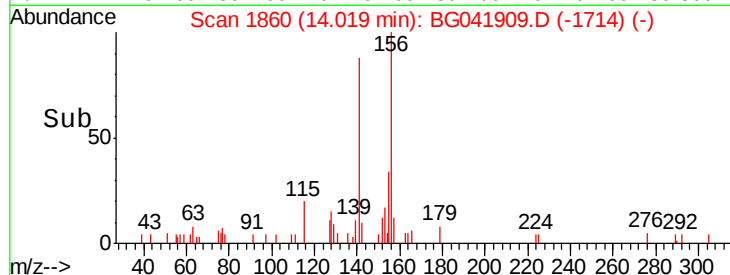
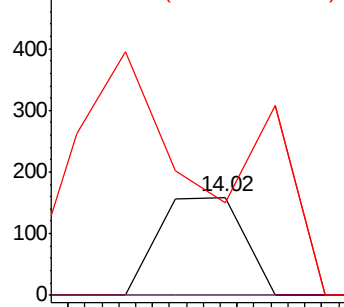
65 100

92 0.0 51.6 77.4#

138 95.0 94.1 141.1



Abundance Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC
Ion 138.00 (137.70 to 138.70): BGC



#44

Dimethylphthalate

Concen: 8.237 ng/ul

RT: 14.14 min Scan# 1881

Delta R.T. -0.00 min

Lab File: BG041909.D

Acq: 3 Aug 2019 14:38

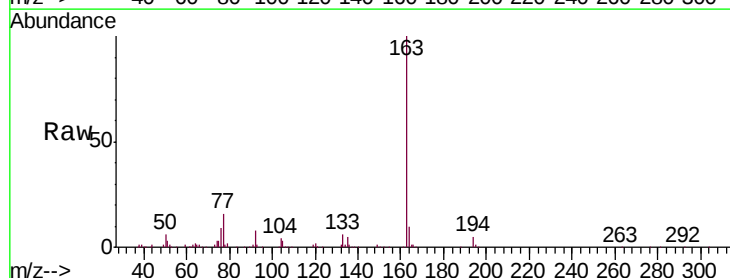
Tgt Ion: 163 Resp: 158119

Ion Ratio Lower Upper

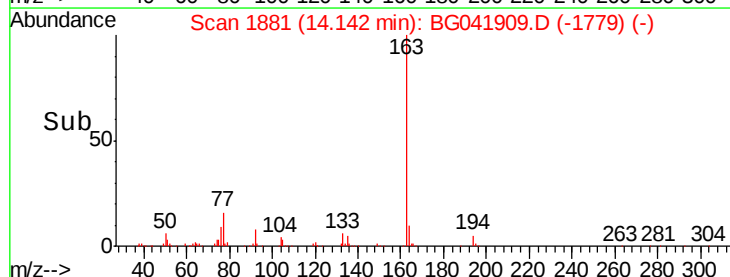
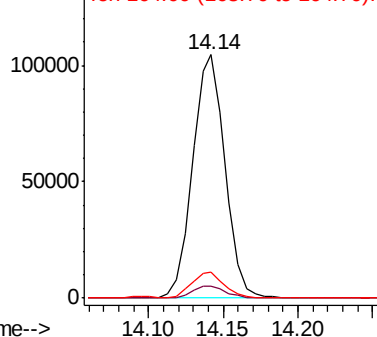
163 100

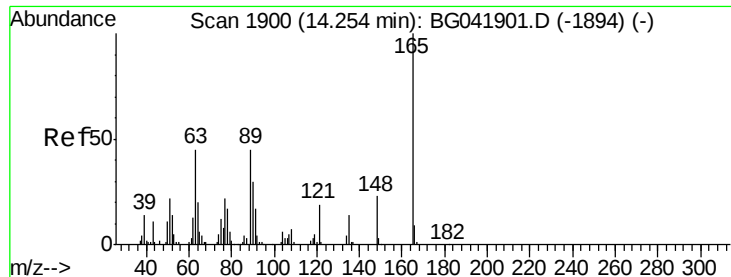
194 5.1 4.2 6.2

164 10.5 7.8 11.8



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





#45

2,6-Dinitrotoluene

Concen: 0.016 ng/ul

RT: 14.25 min Scan# 1899

Delta R.T. -0.01 min

Lab File: BG041909.D

Acq: 3 Aug 2019 14:38

Instrument :

BNA_G

ClientSampleId :

BENS0

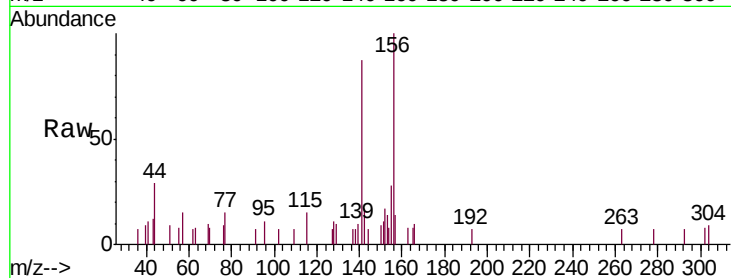
Tgt Ion:165 Resp: 65

Ion Ratio Lower Upper

165 100

89 0.0 36.8 55.2#

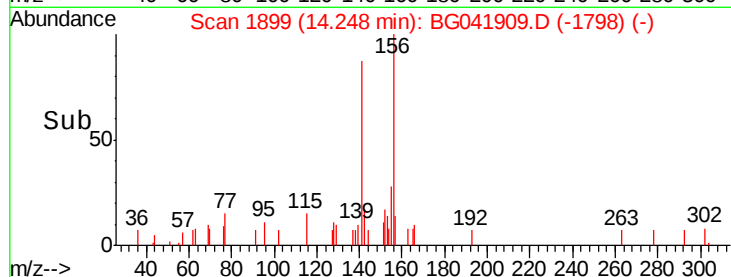
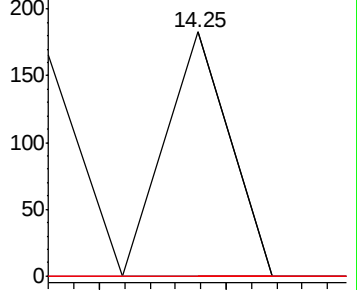
121 0.0 15.6 23.4#



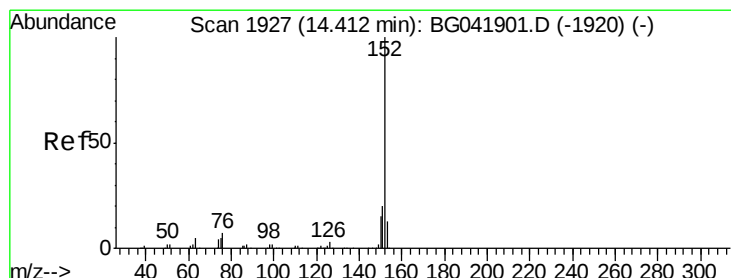
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 89.00 (88.70 to 89.70): BG

Ion 121.00 (120.70 to 121.70): E



Time-->



#47

Acenaphthylene

Concen: 0.165 ng/ul

RT: 14.42 min Scan# 1928

Delta R.T. 0.01 min

Lab File: BG041909.D

Acq: 3 Aug 2019 14:38

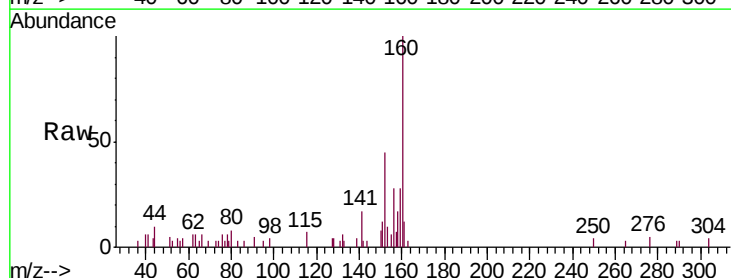
Tgt Ion:152 Resp: 3681

Ion Ratio Lower Upper

152 100

151 25.7 16.8 25.2#

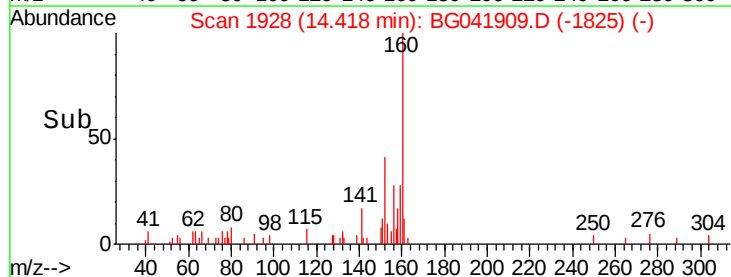
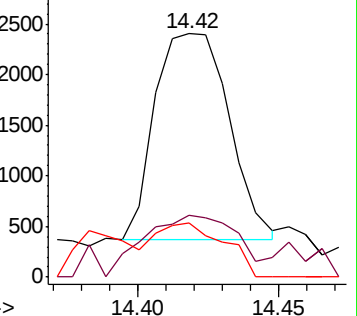
153 22.1 10.3 15.5#



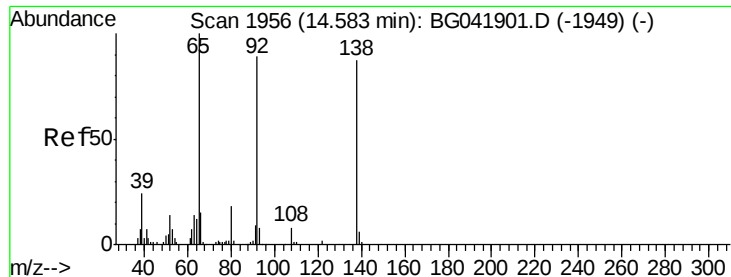
Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



Time-->



#48

3-Nitroaniline

Concen: 0.052 ng/ul

RT: 14.57 min Scan# 1953

Delta R.T. -0.02 min

Lab File: BG041909.D

Acq: 3 Aug 2019 14:38

Instrument :

BNA_G

ClientSampleId :

BENS0

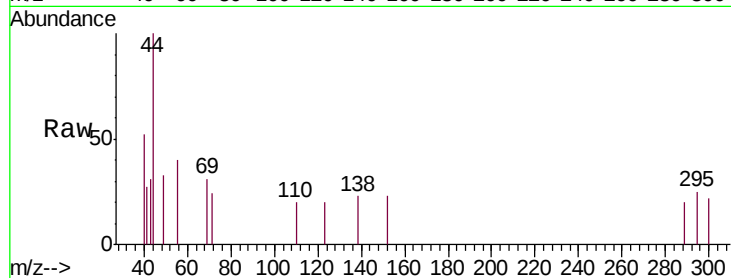
Tgt Ion:138 Resp: 172

Ion Ratio Lower Upper

138 100

108 0.0 7.6 11.4#

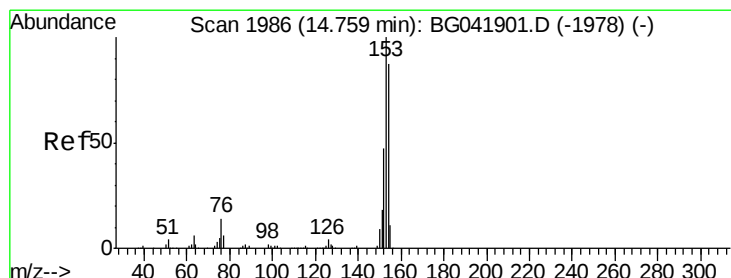
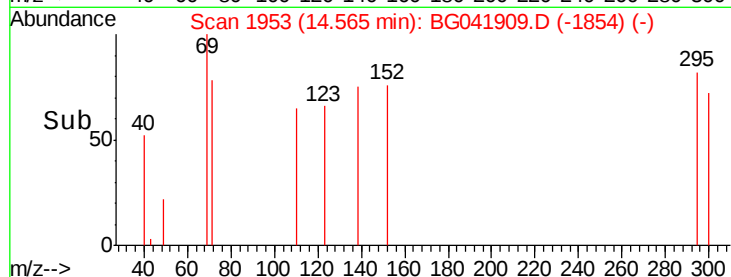
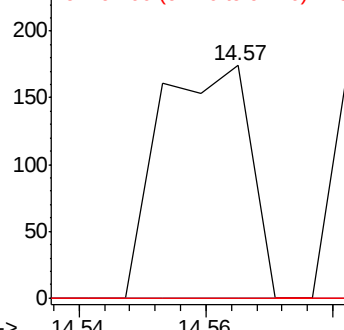
92 0.0 76.4 114.6#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BGC



#49

Acenaphthene

Concen: 8.173 ng/ul

RT: 14.76 min Scan# 1986

Delta R.T. -0.00 min

Lab File: BG041909.D

Acq: 3 Aug 2019 14:38

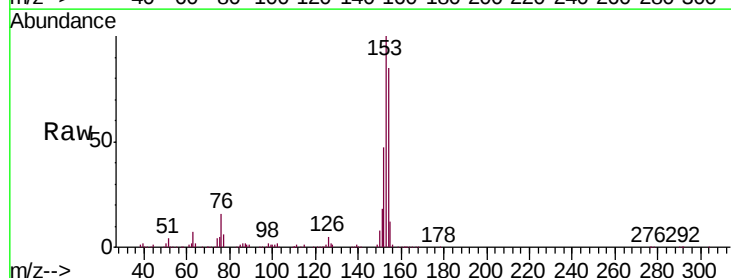
Tgt Ion:153 Resp: 127376

Ion Ratio Lower Upper

153 100

152 47.1 37.8 56.8

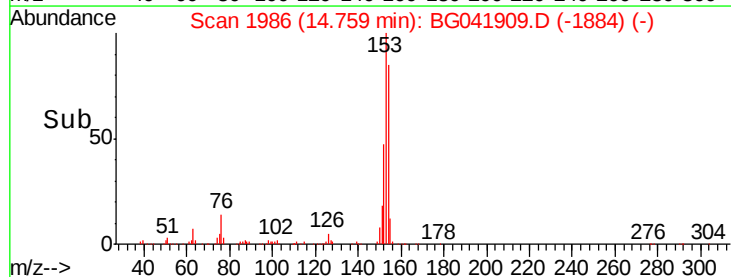
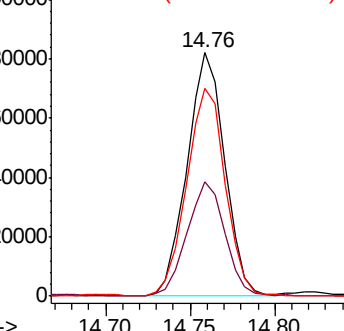
154 85.2 69.4 104.2

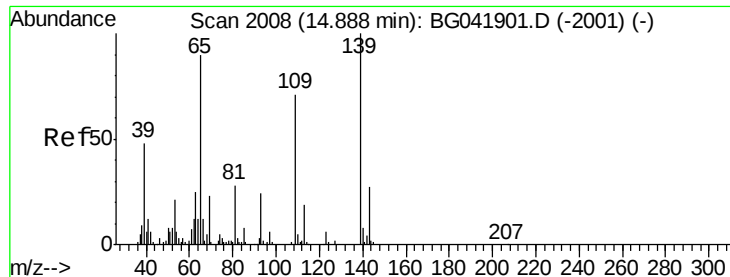


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#52

4-Nitrophenol

Concen: 0.059 ng/ul

RT: 14.89 min Scan# 2009

Delta R.T. 0.01 min

Lab File: BG041909.D

Acq: 3 Aug 2019 14:38

Instrument :

BNA_G

ClientSampleId :

BENS0

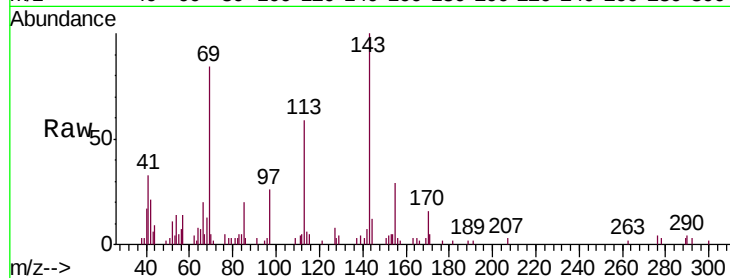
Tgt Ion:109 Resp: 142

Ion Ratio Lower Upper

109 100

139 148.6 111.8 167.6

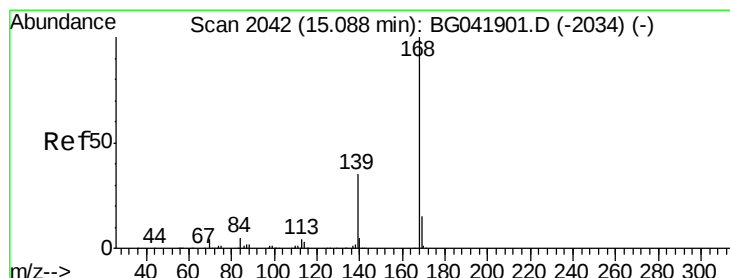
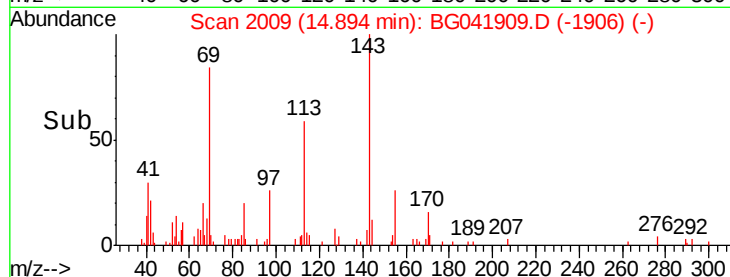
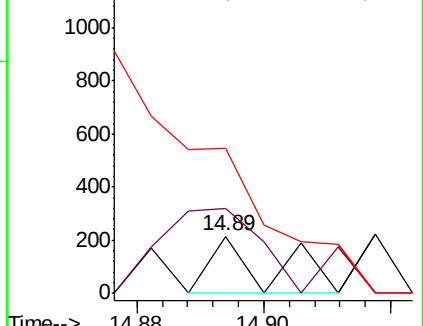
65 254.7 103.6 155.4#



Abundance Ion 109.00 (108.70 to 109.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 65.00 (64.70 to 65.70): BGC



#53

Dibenzofuran

Concen: 1.447 ng/ul

RT: 15.09 min Scan# 2043

Delta R.T. 0.01 min

Lab File: BG041909.D

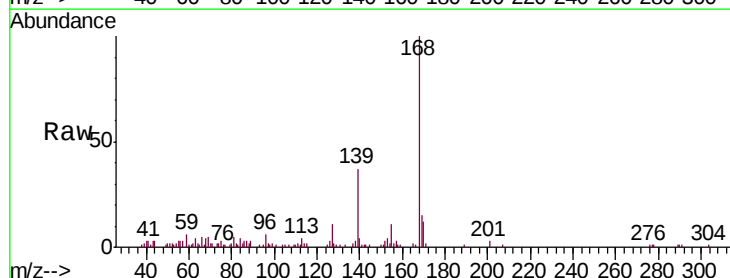
Acq: 3 Aug 2019 14:38

Tgt Ion:168 Resp: 33658

Ion Ratio Lower Upper

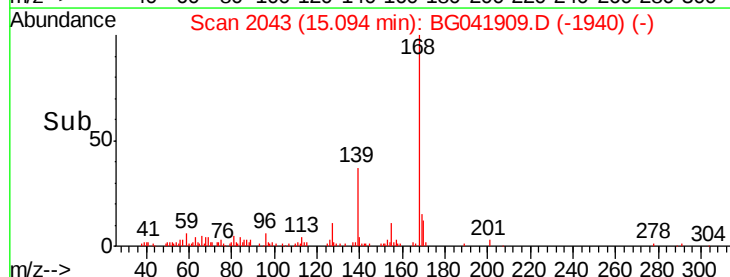
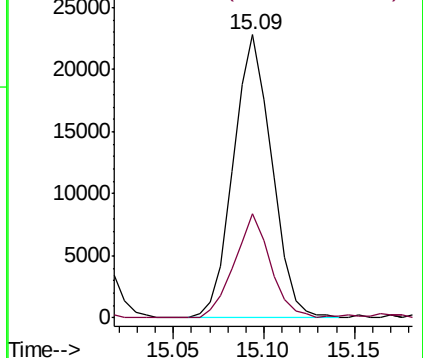
168 100

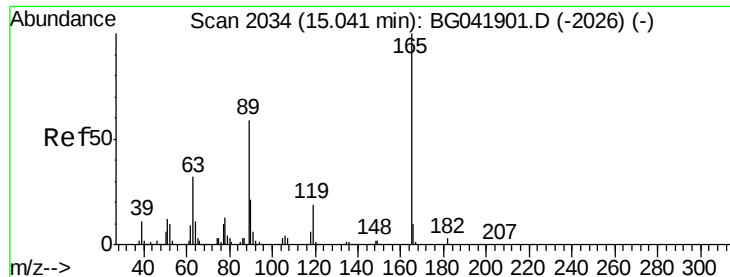
139 36.6 27.3 40.9



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#54

2,4-Dinitrotoluene

Concen: 0.029 ng/ul

RT: 15.05 min Scan# 2035

Delta R.T. 0.01 min

Lab File: BG041909.D

Acq: 3 Aug 2019 14:38

Instrument :

BNA_G

ClientSampled :

BENS0

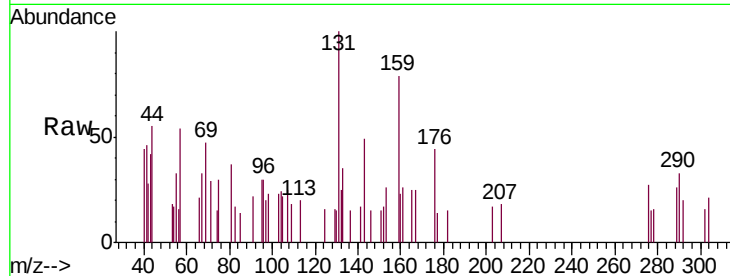
Tgt Ion:165 Resp: 178

Ion Ratio Lower Upper

165 100

63 0.0 29.4 44.2#

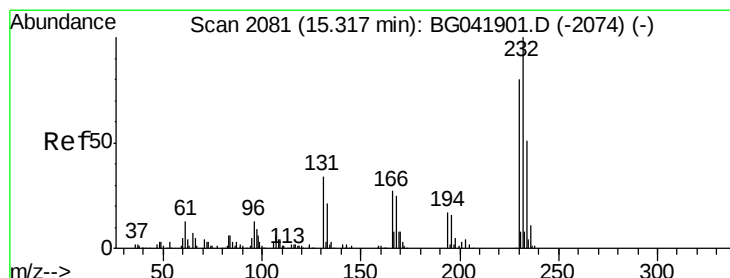
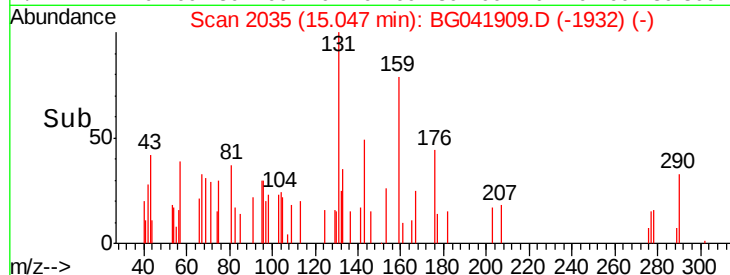
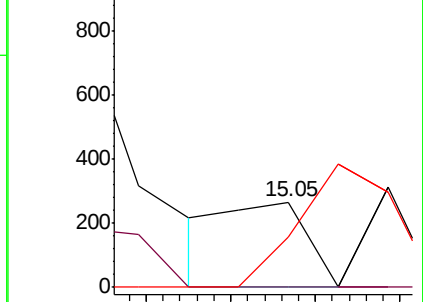
182 59.4 2.6 4.0#



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



#55

2,3,4,6-Tetrachlorophenol

Concen: 0.019 ng/ul

RT: 15.50 min Scan# 2112

Delta R.T. 0.18 min

Lab File: BG041909.D

Acq: 3 Aug 2019 14:38

Tgt Ion:232 Resp: 113

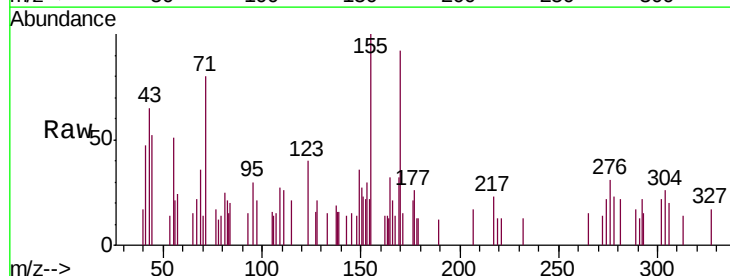
Ion Ratio Lower Upper

232 100

131 0.0 27.1 40.7#

130 0.0 1.3 1.9#

166 157.4 21.4 32.0#

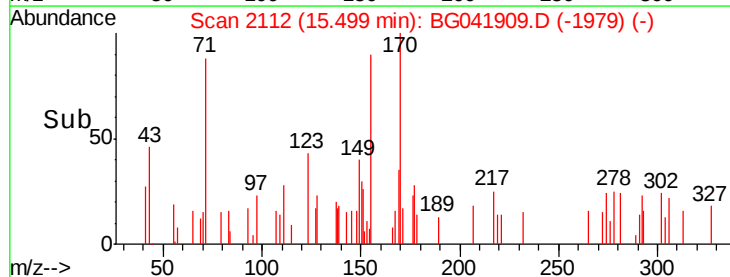
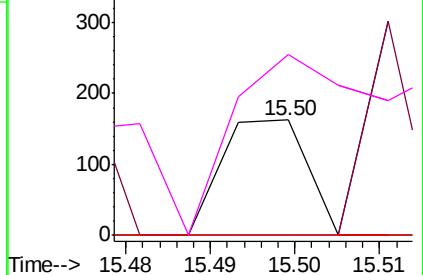


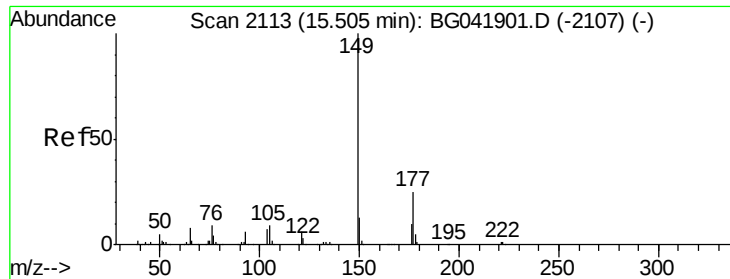
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E

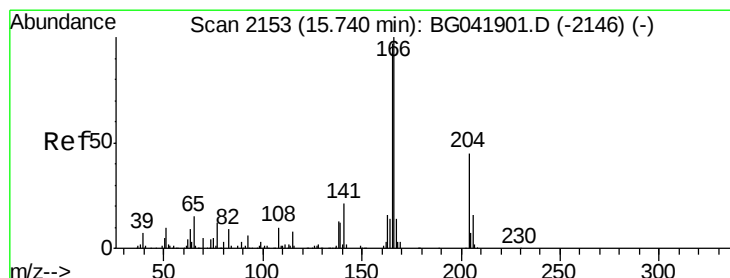
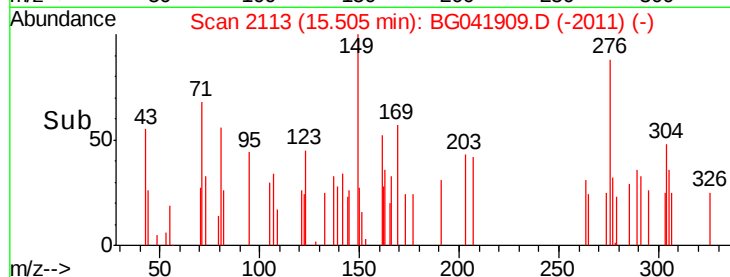
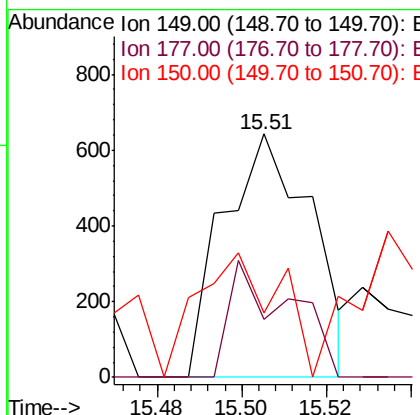
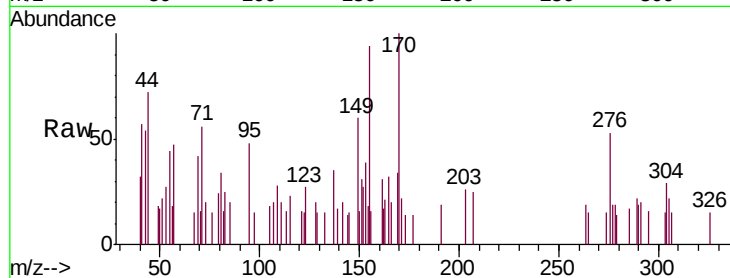




#56
Diethylphthalate
Concen: 0.049 ng/ul
RT: 15.51 min Scan# 2113
Delta R.T. -0.00 min
Lab File: BG041909.D
Acq: 3 Aug 2019 14:38

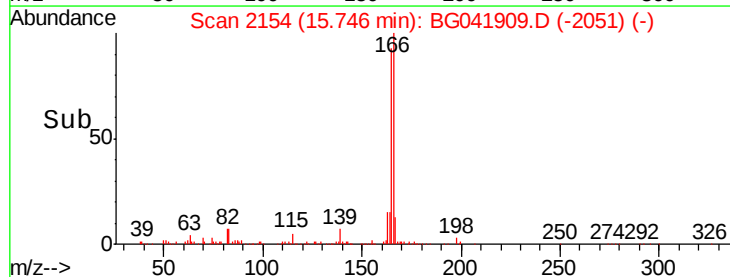
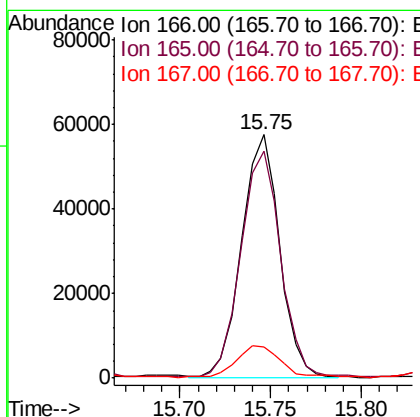
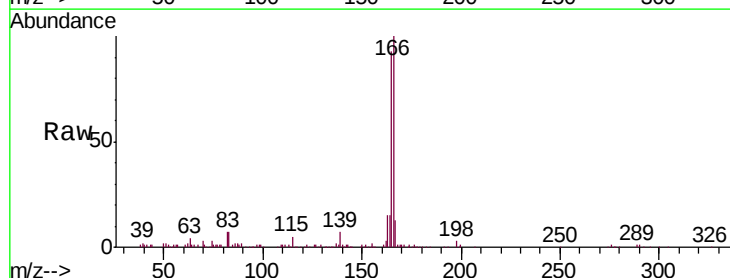
Instrument :
BNA_G
ClientSampleId :
BENS0

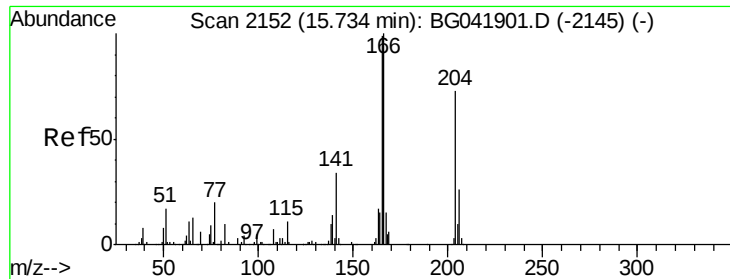
Tgt Ion:149 Resp: 933
Ion Ratio Lower Upper
149 100
177 24.0 19.4 29.2
150 26.7 10.2 15.4#



#58
Fluorene
Concen: 4.490 ng/ul
RT: 15.75 min Scan# 2154
Delta R.T. 0.01 min
Lab File: BG041909.D
Acq: 3 Aug 2019 14:38

Tgt Ion:166 Resp: 84126
Ion Ratio Lower Upper
166 100
165 93.3 81.1 121.7
167 12.9 11.0 16.4

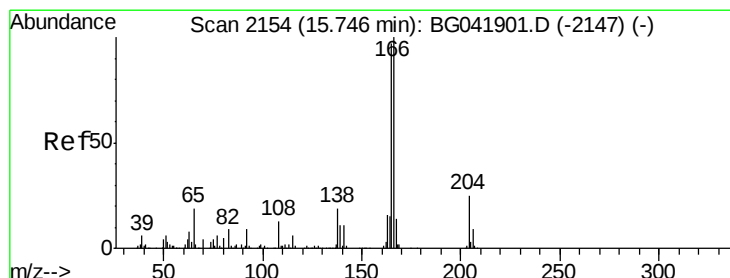
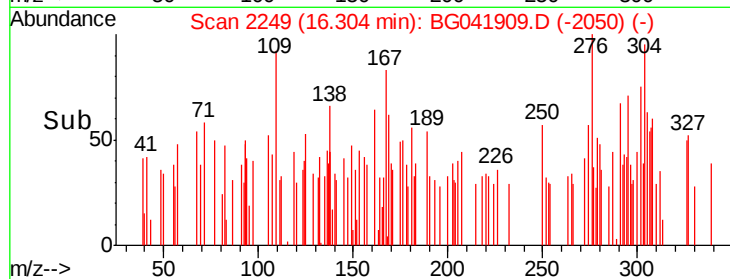
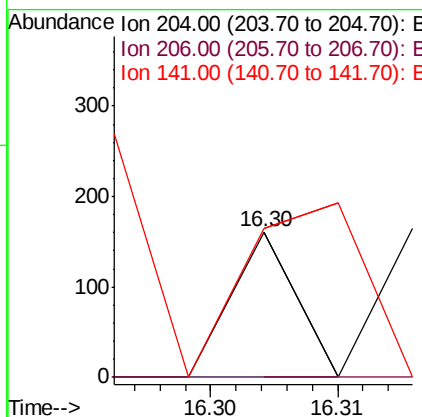
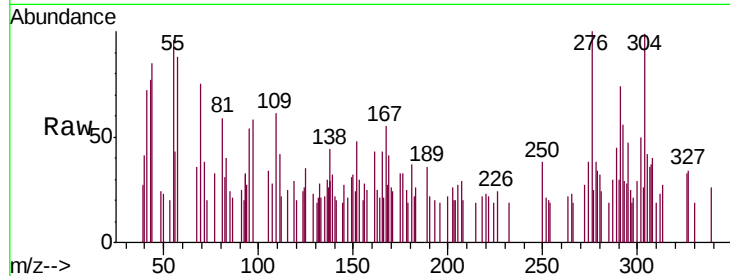




#59
4-Chlorophenyl-phenylether
Concen: 0.005 ng/ul
RT: 16.30 min Scan# 2249
Delta R.T. 0.57 min
Lab File: BG041909.D
Acq: 3 Aug 2019 14:38

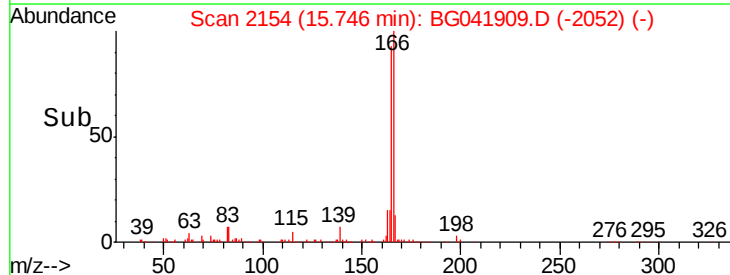
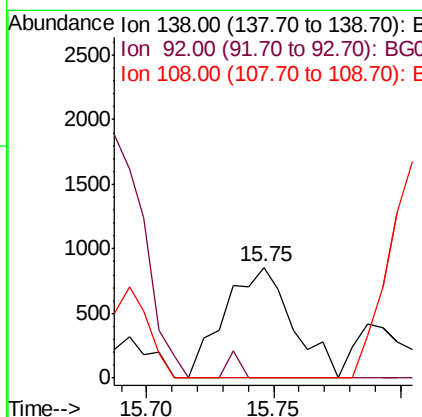
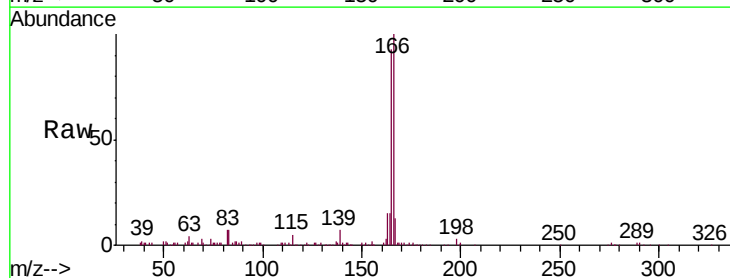
Instrument :
BNA_G
ClientSampled :
BENS0

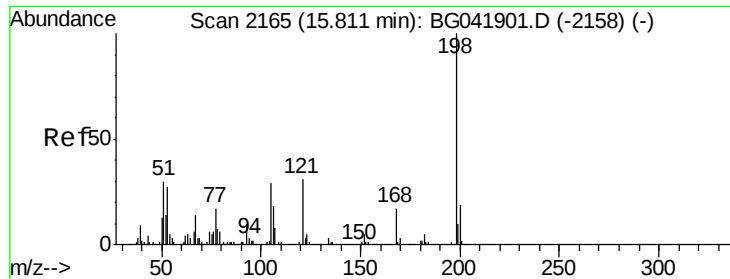
Tgt Ion: 204 Resp: 57
Ion Ratio Lower Upper
204 100
206 0.0 27.6 41.4#
141 102.5 39.0 58.6#



#60
4-Nitroaniline
Concen: 0.429 ng/ul
RT: 15.75 min Scan# 2154
Delta R.T. -0.00 min
Lab File: BG041909.D
Acq: 3 Aug 2019 14:38

Tgt Ion: 138 Resp: 1590
Ion Ratio Lower Upper
138 100
92 0.0 34.6 51.8#
108 0.0 54.2 81.2#

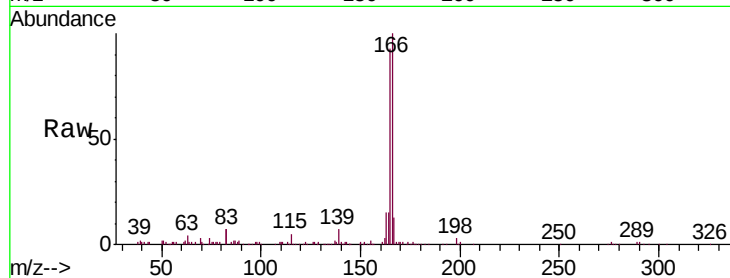




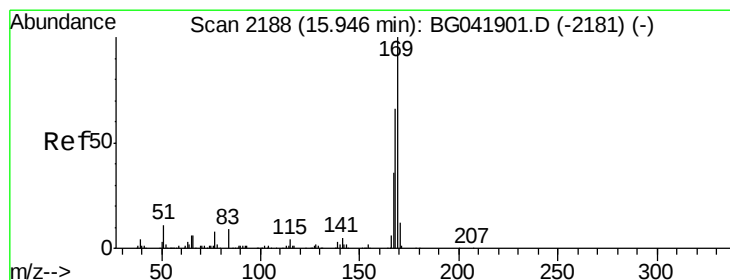
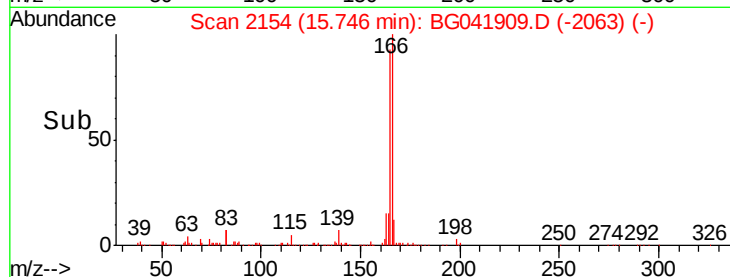
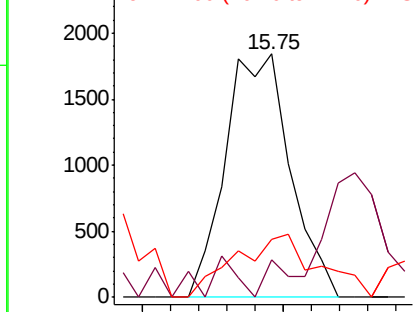
#63
 4,6-Dinitro-2-methylphenol
 Concen: 0.841 ng/ul
 RT: 15.75 min Scan# 2154
 Delta R.T. -0.06 min
 Lab File: BG041909.D
 Acq: 3 Aug 2019 14:38

Instrument :
 BNA_G
 ClientSampleId :
 BENS0

Tgt Ion	Ratio	Lower	Upper
198	100		
182	15.2	3.4	5.0#
77	23.7	13.2	19.8#

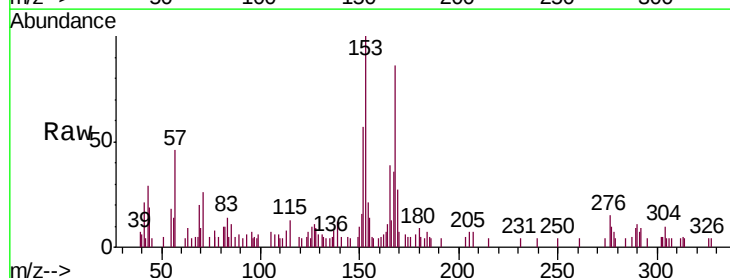


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 77.00 (76.70 to 77.70): BGC

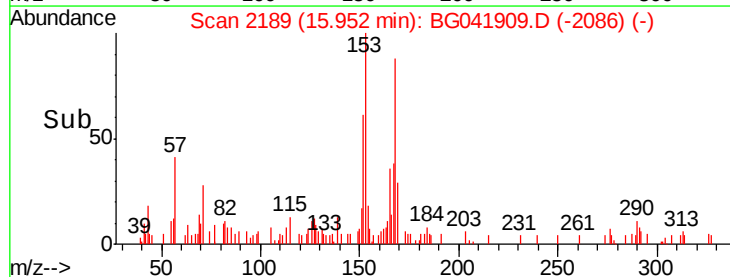
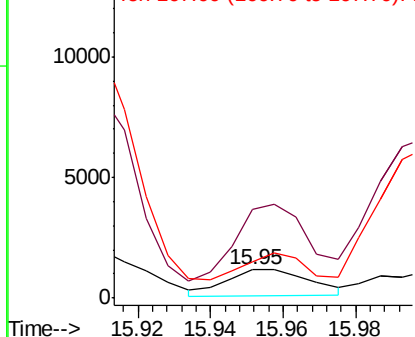


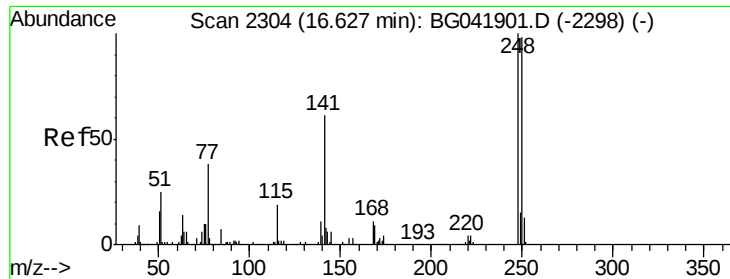
#64
 N-Nitrosodiphenylamine
 Concen: 0.116 ng/ul
 RT: 15.95 min Scan# 2189
 Delta R.T. 0.01 min
 Lab File: BG041909.D
 Acq: 3 Aug 2019 14:38

Tgt Ion	Ratio	Lower	Upper
169	100		
168	316.1	55.0	82.4#
167	131.6	29.5	44.3#



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

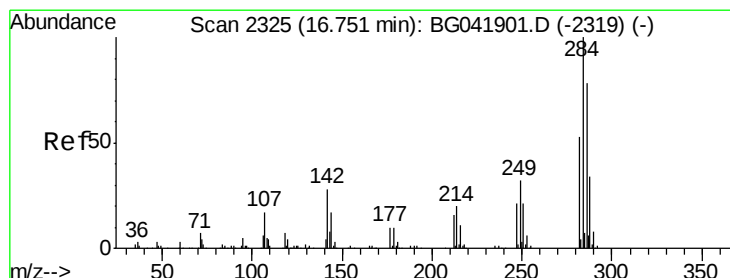
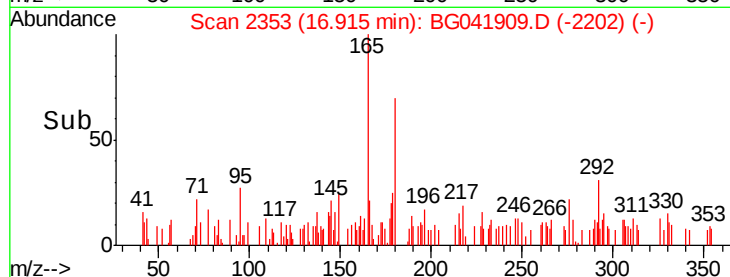
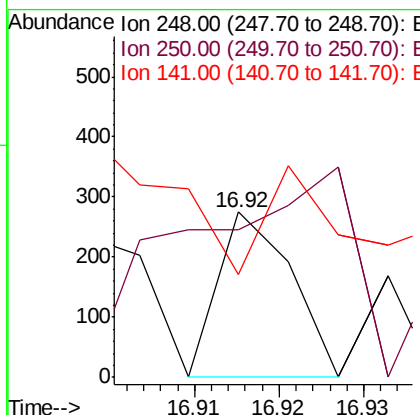
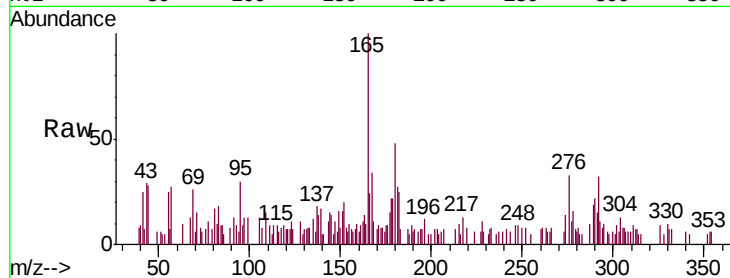




#65
4-Bromophenyl-phenylether
Concen: 0.025 ng/ul
RT: 16.92 min Scan# 2353
Delta R.T. 0.29 min
Lab File: BG041909.D
Acq: 3 Aug 2019 14:38

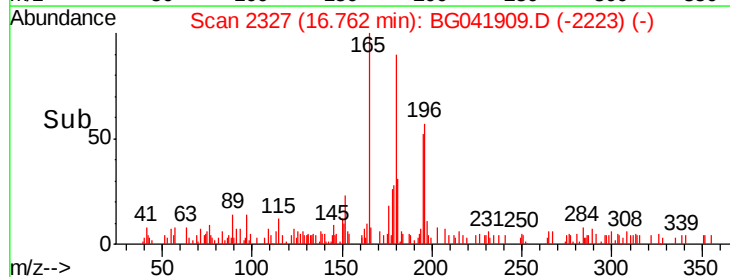
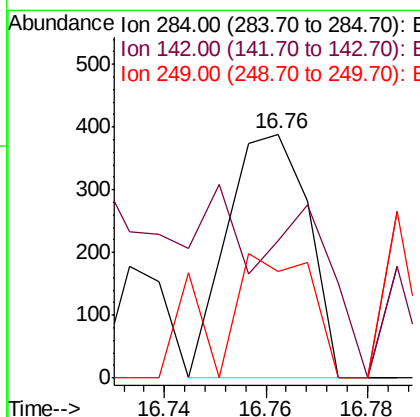
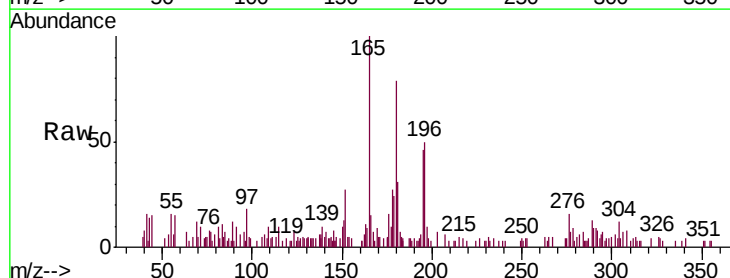
Instrument :
BNA_G
ClientSampleId :
BENS0

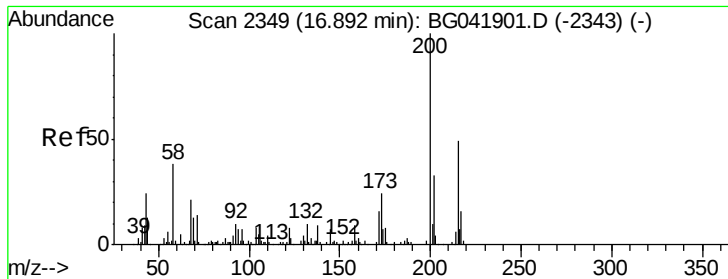
Tgt Ion:248 Resp: 165
Ion Ratio Lower Upper
248 100
250 89.5 76.1 114.1
141 62.5 46.8 70.2



#66
Hexachlorobenzene
Concen: 0.065 ng/ul
RT: 16.76 min Scan# 2327
Delta R.T. 0.01 min
Lab File: BG041909.D
Acq: 3 Aug 2019 14:38

Tgt Ion:284 Resp: 434
Ion Ratio Lower Upper
284 100
142 56.2 24.4 36.6#
249 43.6 27.2 40.8#

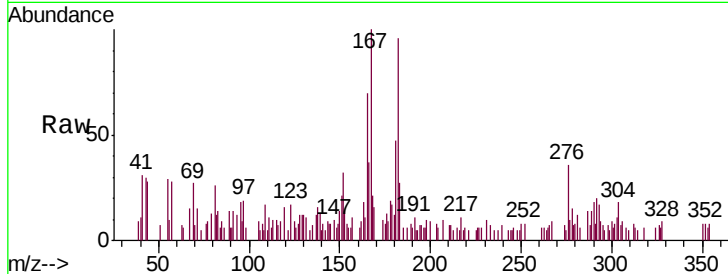




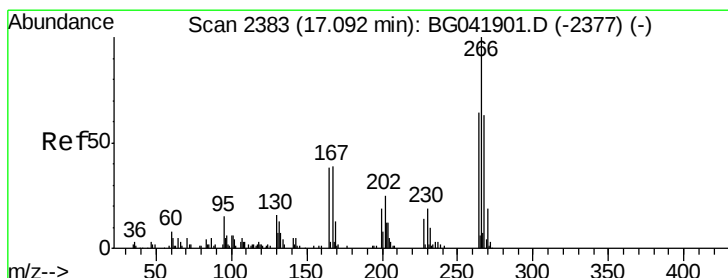
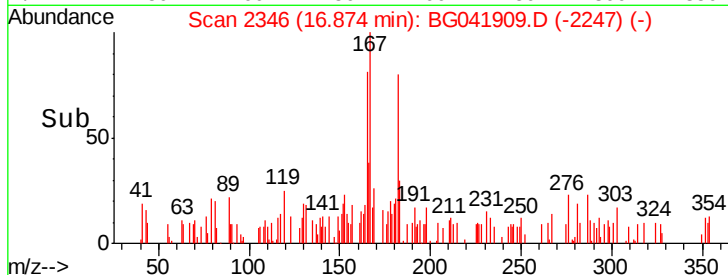
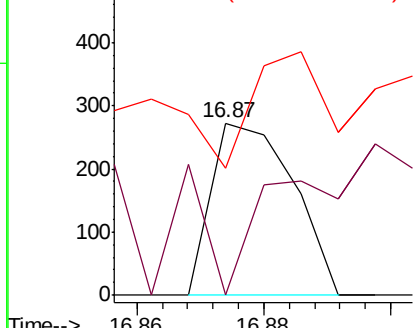
#67
Atrazine
Concen: 0.039 ng/ul
RT: 16.87 min Scan# 2346
Delta R.T. -0.02 min
Lab File: BG041909.D
Acq: 3 Aug 2019 14:38

Instrument :
BNA_G
ClientSampleId :
BENS0

Tgt Ion:200 Resp: 242
Ion Ratio Lower Upper
200 100
173 0.0 19.0 28.6#
215 73.6 43.0 64.6#

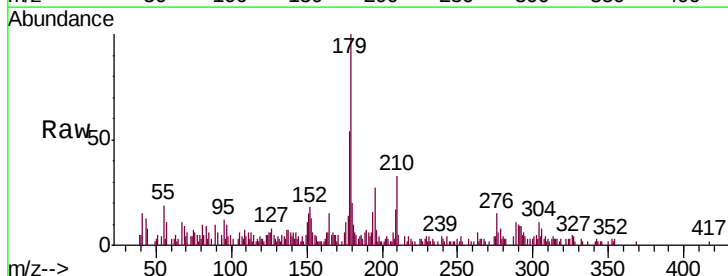


Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E

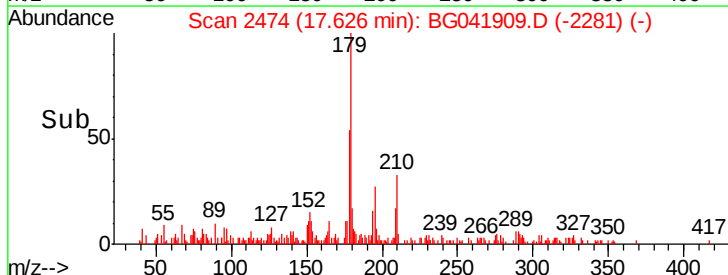
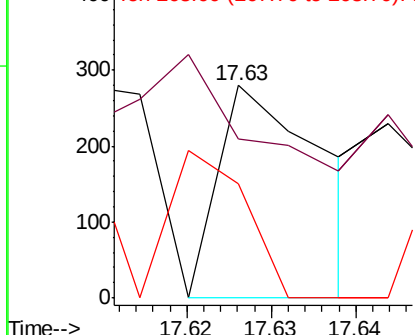


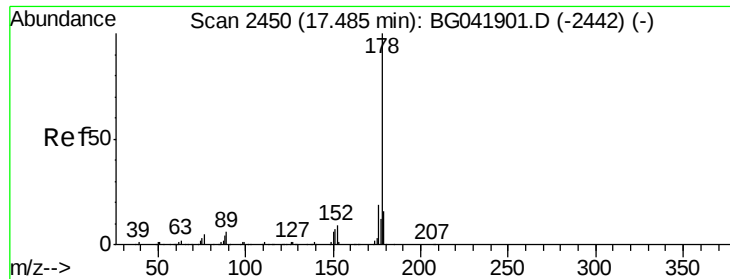
#68
Pentachlorophenol
Concen: 0.066 ng/ul
RT: 17.63 min Scan# 2474
Delta R.T. 0.53 min
Lab File: BG041909.D
Acq: 3 Aug 2019 14:38

Tgt Ion:266 Resp: 241
Ion Ratio Lower Upper
266 100
264 75.0 52.3 78.5
268 53.9 53.2 79.8



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





#69

Phenanthrene

Concen: 41.979 ng/ul

RT: 17.49 min Scan# 2451

Delta R.T. 0.01 min

Lab File: BG041909.D

Acq: 3 Aug 2019 14:38

Instrument :

BNA_G

ClientSampleId :

BENS0

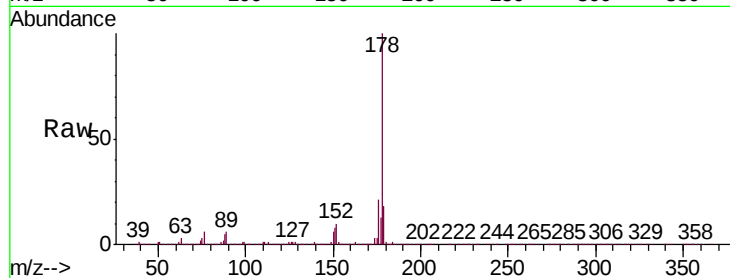
Tgt Ion:178 Resp: 1160790

Ion Ratio Lower Upper

178 100

179 17.6 12.8 19.2

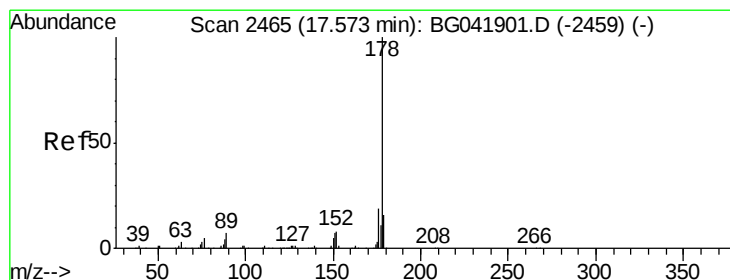
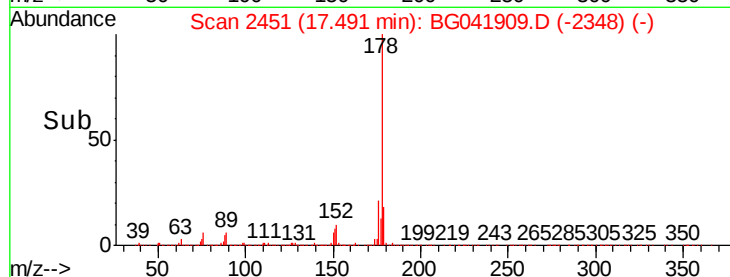
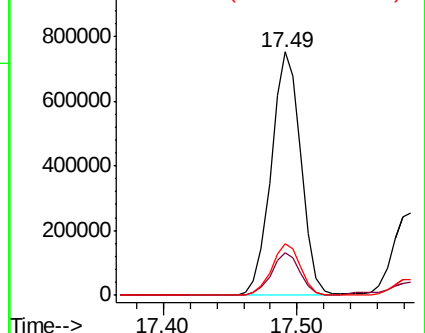
176 21.0 15.4 23.2



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



#71

Anthracene

Concen: 13.719 ng/ul

RT: 17.59 min Scan# 2467

Delta R.T. 0.01 min

Lab File: BG041909.D

Acq: 3 Aug 2019 14:38

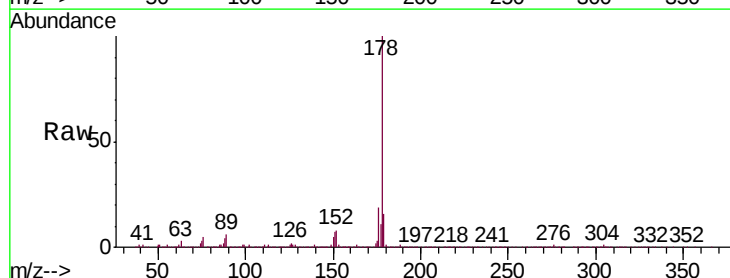
Tgt Ion:178 Resp: 384747

Ion Ratio Lower Upper

178 100

179 15.5 13.4 20.0

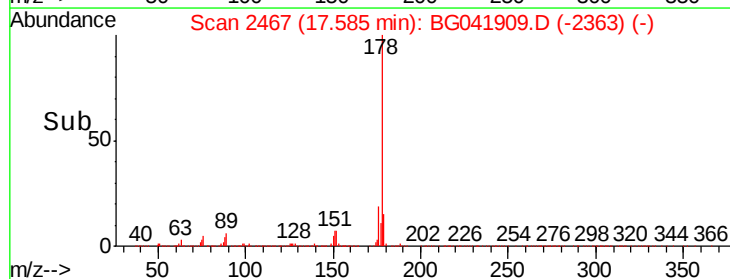
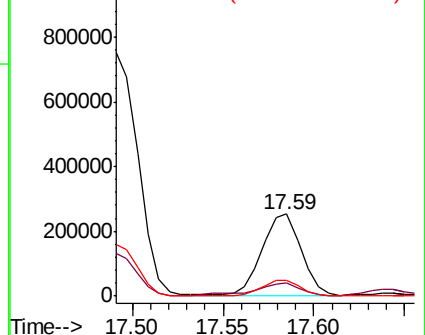
176 19.2 15.4 23.2

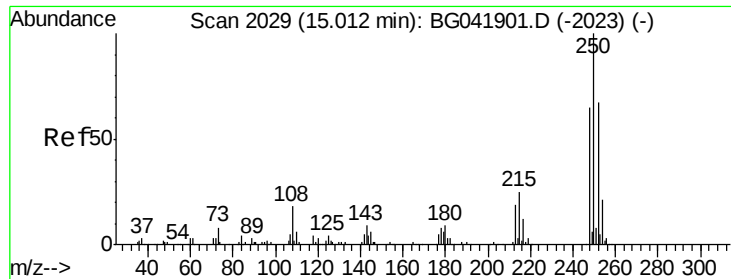


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#73

Pentachlorobenzene

Concen: 0.007 ng/uL

RT: 15.32 min Scan# 2081

Delta R.T. 0.31 min

Lab File: BG041909.D

Acq: 3 Aug 2019 14:38

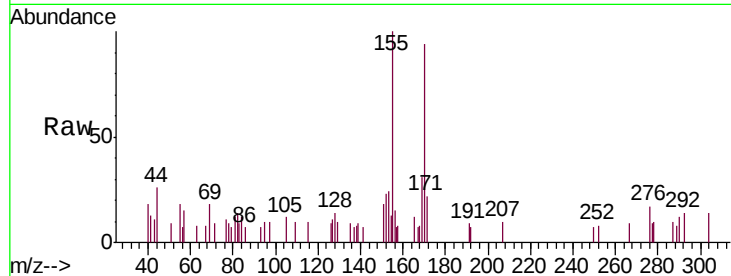
Instrument :

BNA_G

ClientSampleId :

BENS0

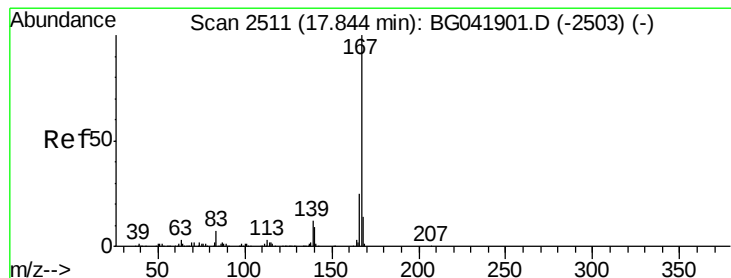
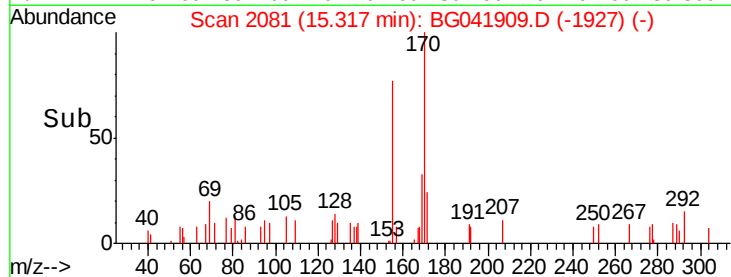
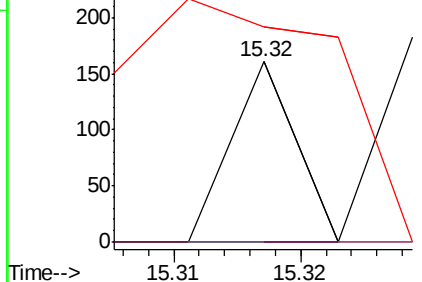
Tgt Ion:	250	Resp:	57
Ion Ratio	Lower	Upper	
250	100		
248	0.0	50.9	76.3#
252	119.3	52.0	78.0#



Abundance Ion 250.00 (249.70 to 250.70): E

Ion 248.00 (247.70 to 248.70): E

Ion 252.00 (251.70 to 252.70): E



#74

Carbazole

Concen: 2.983 ng/uL

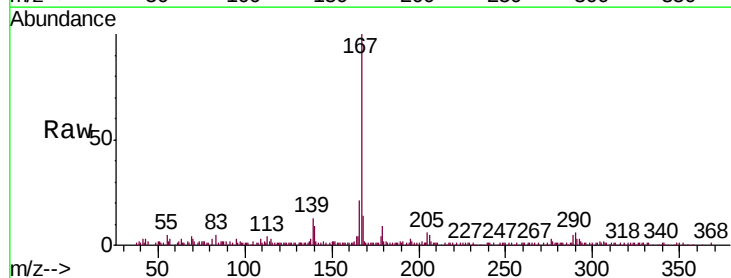
RT: 17.84 min Scan# 2511

Delta R.T. -0.00 min

Lab File: BG041909.D

Acq: 3 Aug 2019 14:38

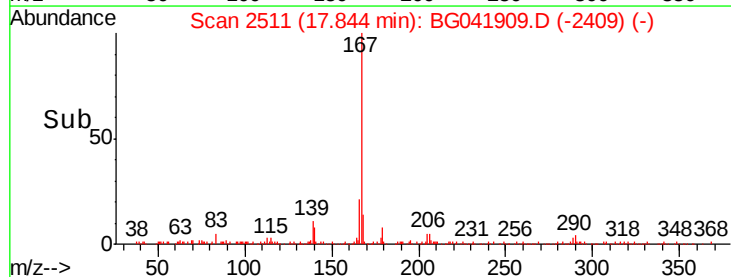
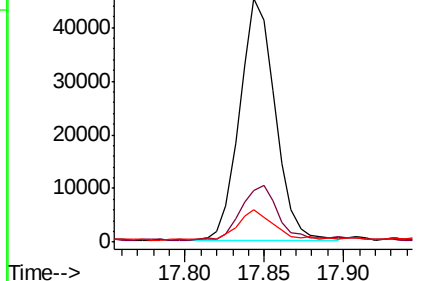
Tgt Ion:	167	Resp:	69296
Ion Ratio	Lower	Upper	
167	100		
166	21.3	18.2	27.4
139	13.1	9.6	14.4

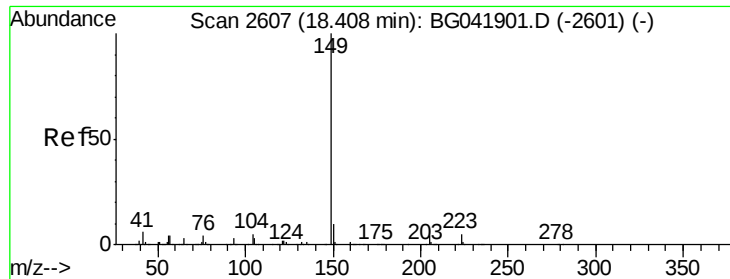


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#75

Di-n-butylphthalate

Concen: 0.127 ng/ul

RT: 18.41 min Scan# 2607

Delta R.T. -0.00 min

Lab File: BG041909.D

Acq: 3 Aug 2019 14:38

Instrument :

BNA_G

ClientSampleId :

BENS0

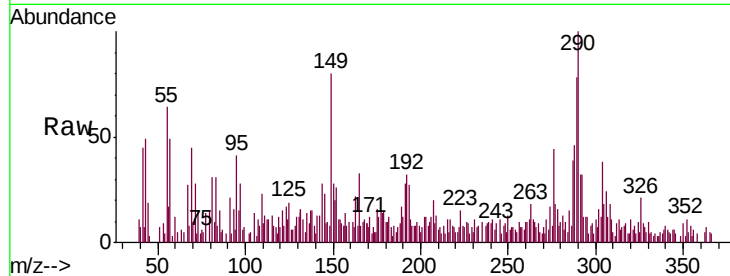
Tgt Ion:149 Resp: 3645

Ion Ratio Lower Upper

149 100

150 34.9 8.3 12.5#

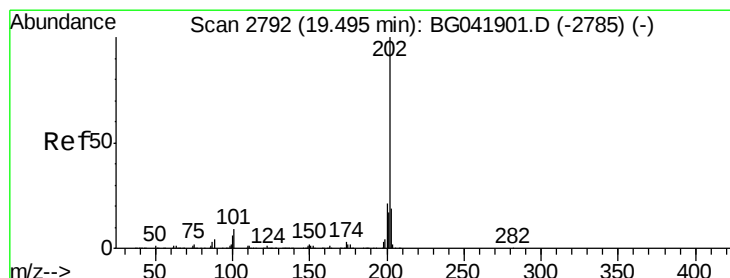
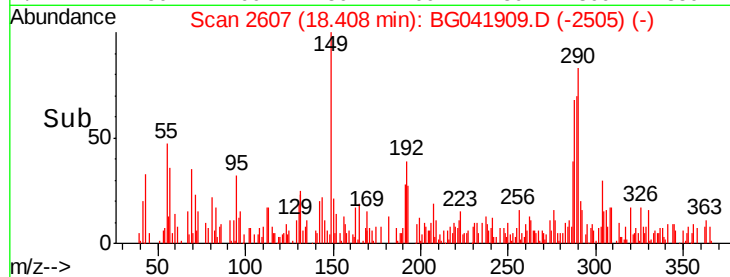
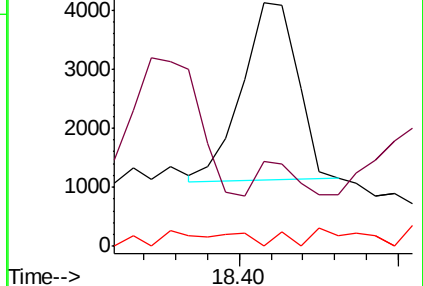
104 0.0 3.9 5.9#



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



#76

Fluoranthene

Concen: 81.068 ng/ul

RT: 19.51 min Scan# 2794

Delta R.T. 0.01 min

Lab File: BG041909.D

Acq: 3 Aug 2019 14:38

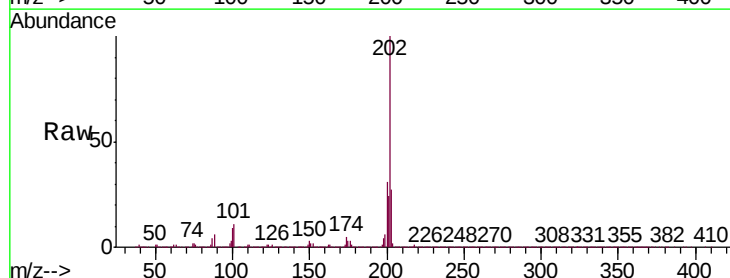
Tgt Ion:202 Resp: 2590043

Ion Ratio Lower Upper

202 100

101 11.1 6.7 10.1#

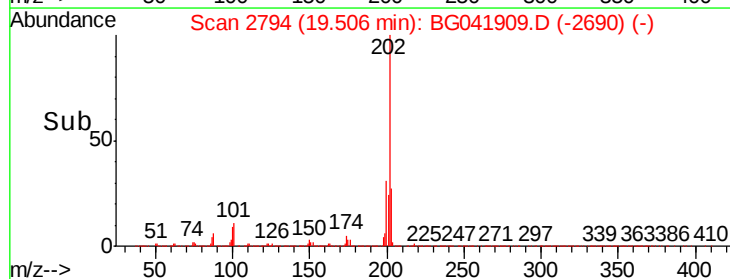
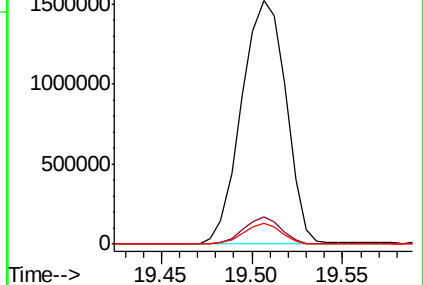
100 8.6 5.3 7.9#

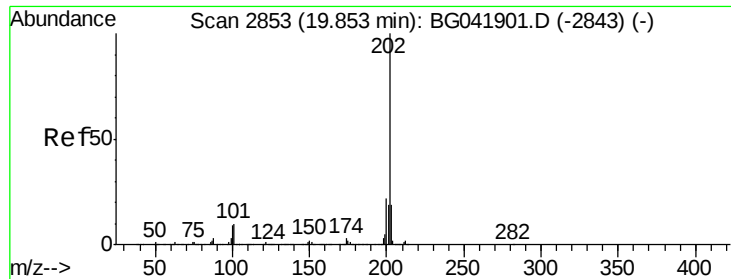


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

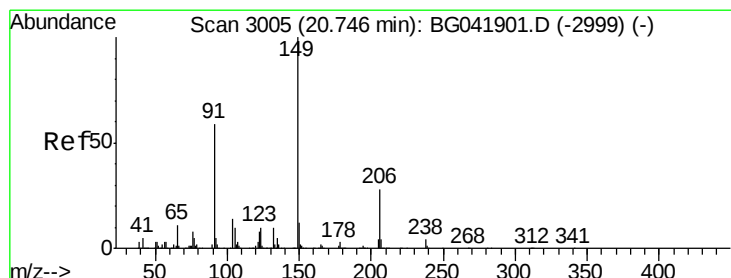
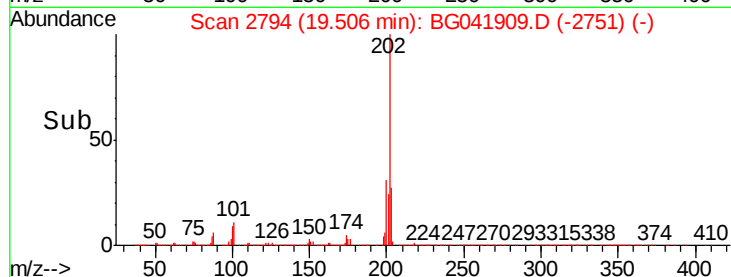
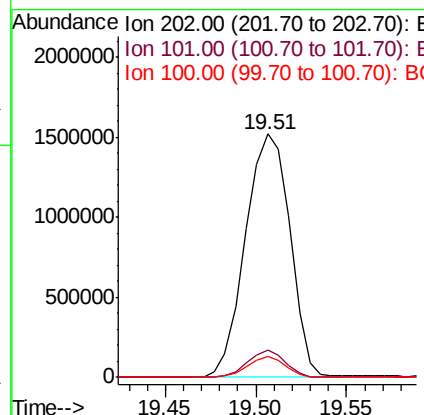
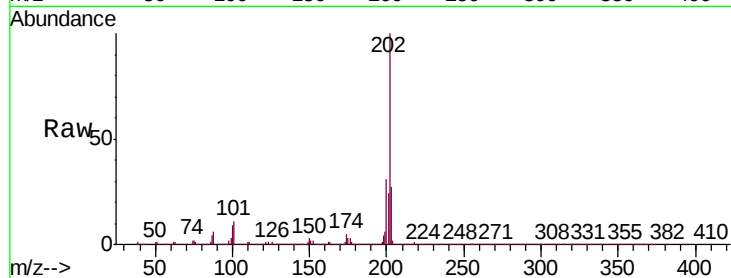




#79
 Pyrene
 Concen: 78.708 ng/ul
 RT: 19.51 min Scan# 2794
 Delta R.T. -0.35 min
 Lab File: BG041909.D
 Acq: 3 Aug 2019 14:38

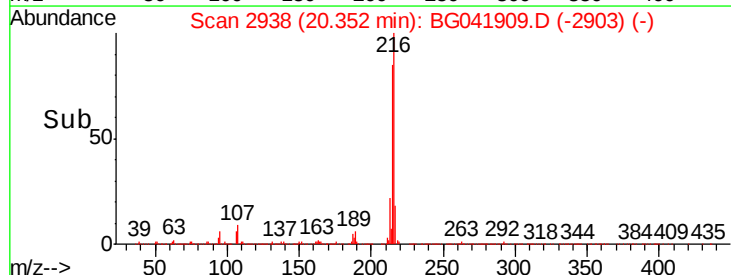
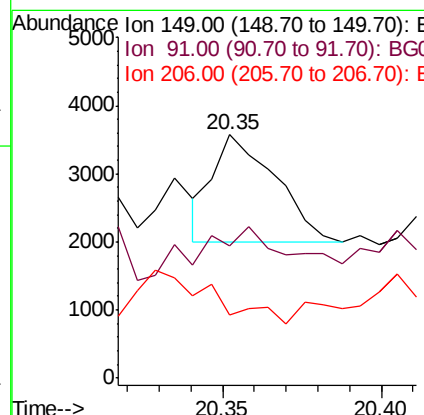
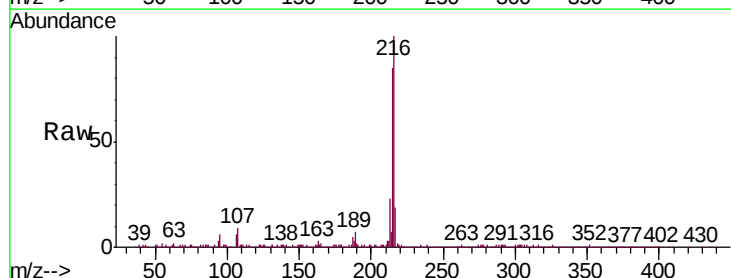
Instrument :
 BNA_G
 ClientSampleId :
 BENS0

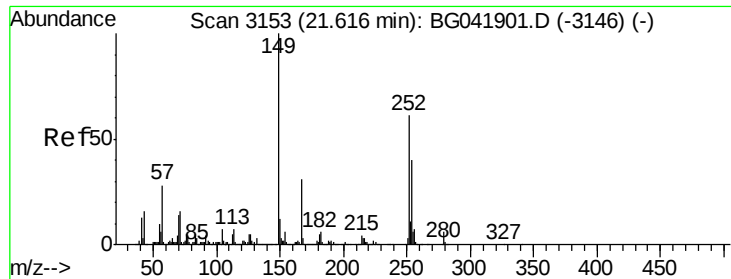
Tgt Ion:202 Resp: 2590756
 Ion Ratio Lower Upper
 202 100
 101 11.1 7.6 11.4
 100 8.6 6.5 9.7



#80
 Butylbenzylphthalate
 Concen: 0.164 ng/ul
 RT: 20.35 min Scan# 2938
 Delta R.T. -0.39 min
 Lab File: BG041909.D
 Acq: 3 Aug 2019 14:38

Tgt Ion:149 Resp: 2130
 Ion Ratio Lower Upper
 149 100
 91 54.1 49.5 74.3
 206 25.7 21.3 31.9

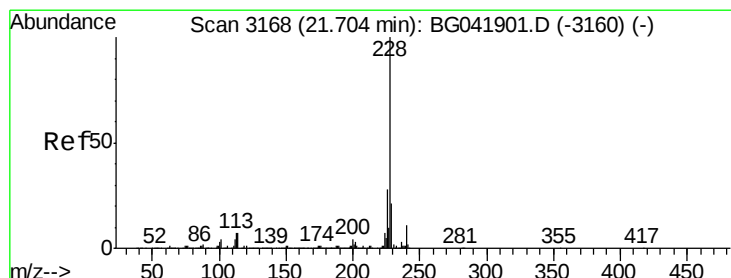
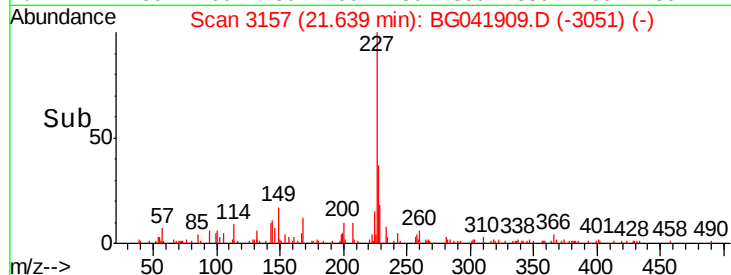
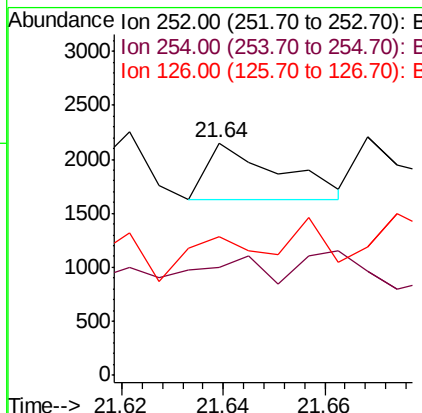
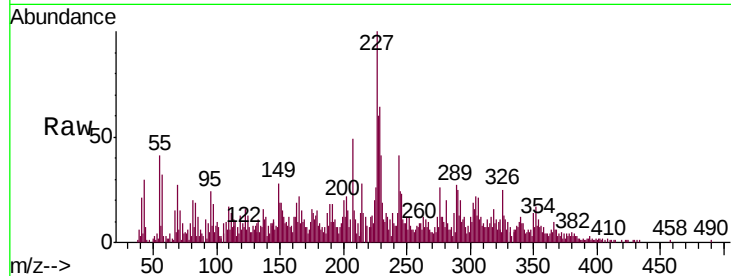




#81
 3,3'-Dichlorobenzidine
 Concen: 0.047 ng/ul
 RT: 21.64 min Scan# 3157
 Delta R.T. 0.02 min
 Lab File: BG041909.D
 Acq: 3 Aug 2019 14:38

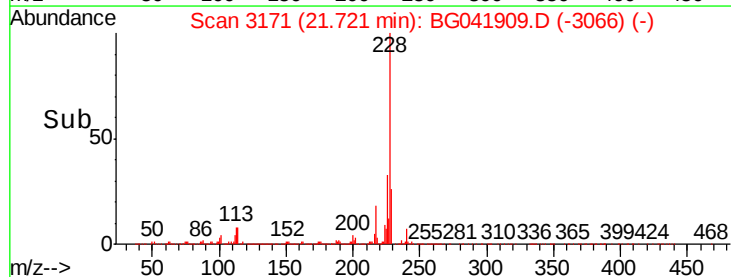
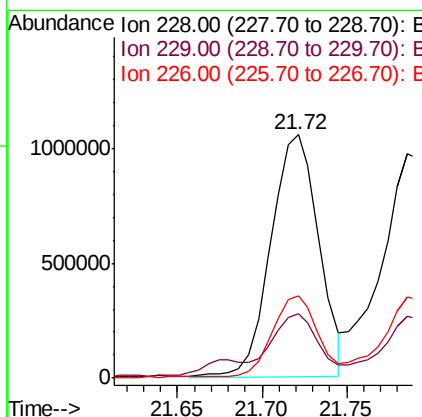
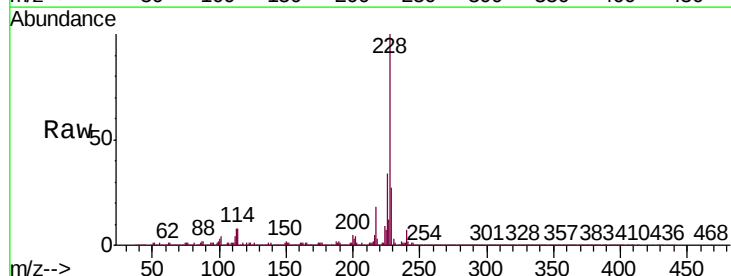
Instrument :
 BNA_G
 ClientSampleId :
 BENS0

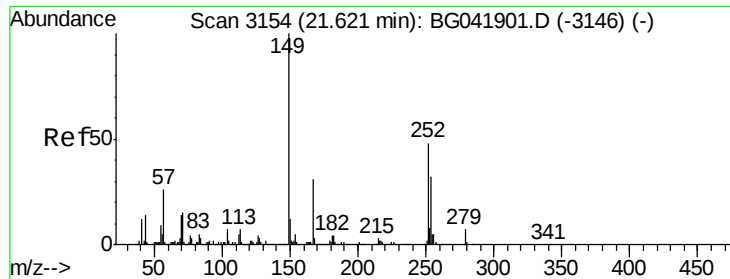
Tgt Ion:252 Resp: 521
 Ion Ratio Lower Upper
 252 100
 254 46.6 53.1 79.7#
 126 59.4 6.9 10.3#



#82
 Benzo(a)anthracene
 Concen: 61.336 ng/ul
 RT: 21.72 min Scan# 3171
 Delta R.T. 0.02 min
 Lab File: BG041909.D
 Acq: 3 Aug 2019 14:38

Tgt Ion:228 Resp: 2081059
 Ion Ratio Lower Upper
 228 100
 229 26.7 17.0 25.6#
 226 33.9 23.3 34.9





#83

Bis(2-ethylhexyl)phthalate

Concen: 0.513 ng/ul

RT: 21.63 min Scan# 3155

Delta R.T. 0.01 min

Lab File: BG041909.D

Acq: 3 Aug 2019 14:38

Instrument :

BNA_G

ClientSampleId :

BENS0

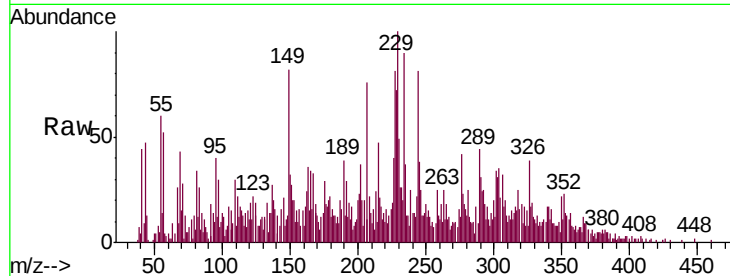
Tgt Ion:149 Resp: 9061

Ion Ratio Lower Upper

149 100

167 40.5 25.0 37.4#

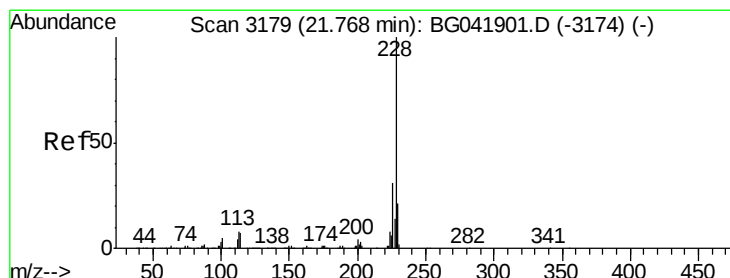
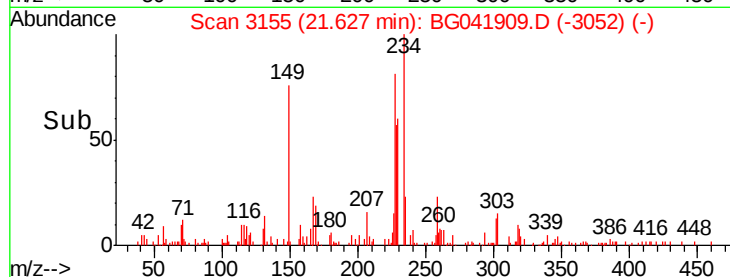
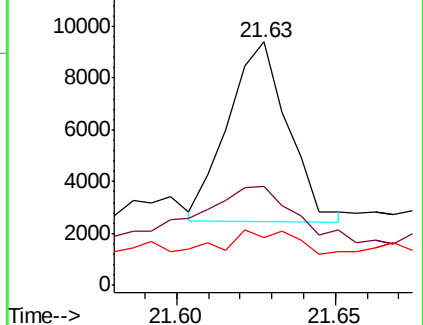
279 19.5 5.2 7.8#



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



#84

Chrysene

Concen: 64.196 ng/ul

RT: 21.79 min Scan# 3182

Delta R.T. 0.02 min

Lab File: BG041909.D

Acq: 3 Aug 2019 14:38

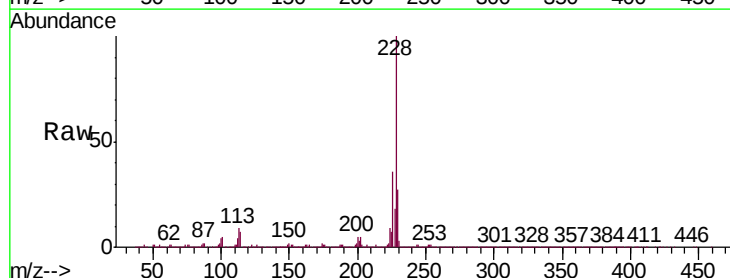
Tgt Ion:228 Resp: 2032900

Ion Ratio Lower Upper

228 100

226 36.1 25.7 38.5

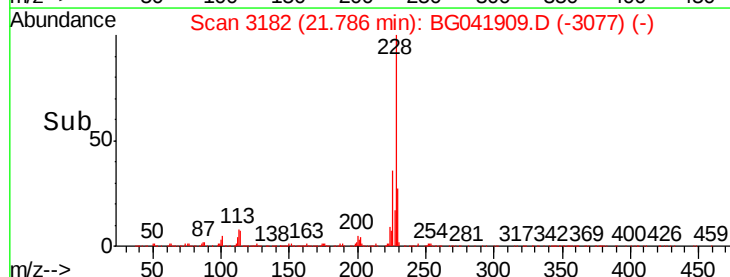
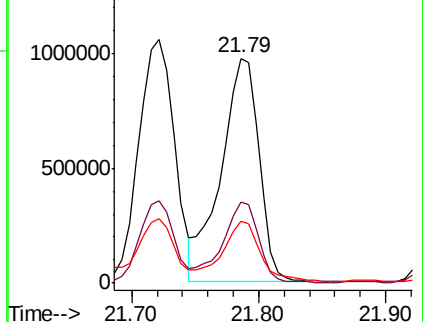
229 27.4 16.6 24.8#

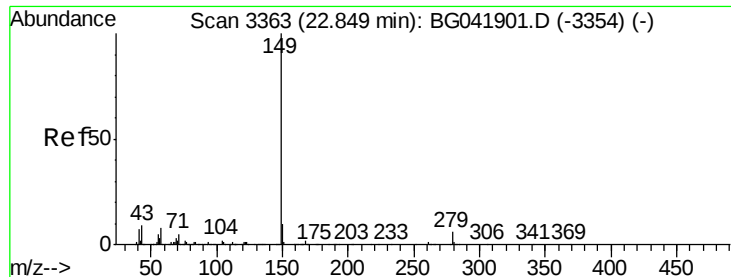


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#86

Di-n-octyl phthalate

Concen: 0.055 ng/ul

RT: 22.87 min Scan# 3367

Delta R.T. 0.02 min

Lab File: BG041909.D

Acq: 3 Aug 2019 14:38

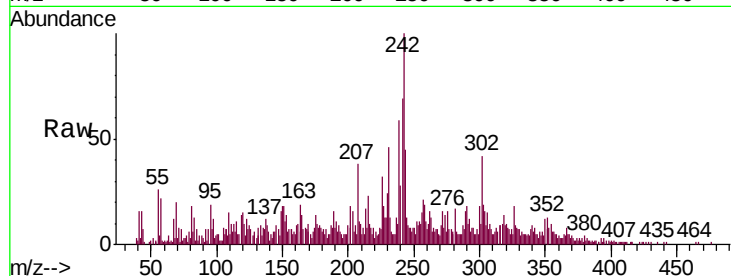
Instrument :

BNA_G

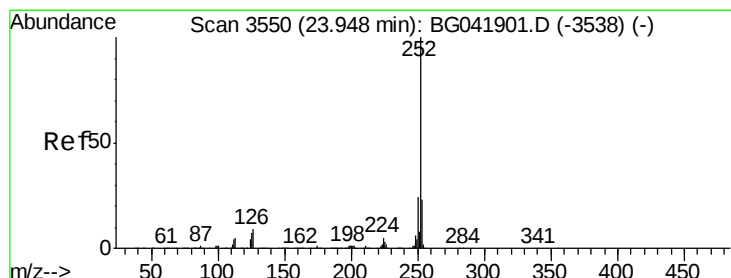
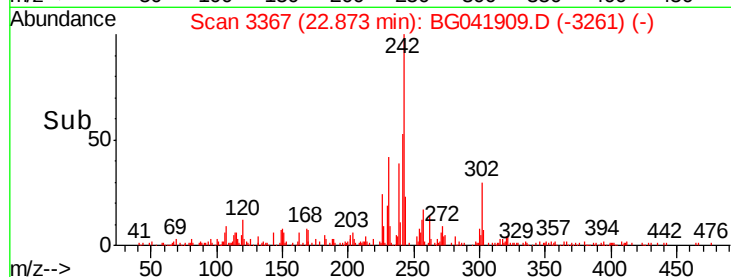
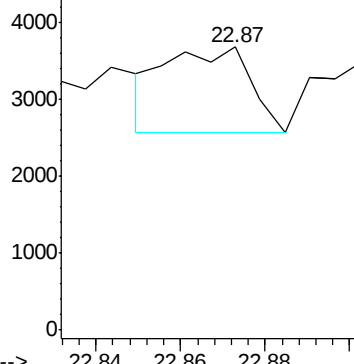
ClientSampleId :

BENS0

Tgt Ion:149 Resp: 1551



Abundance Ion 149.00 (148.70 to 149.70): E



#87

Benzo(b)fluoranthene

Concen: 79.589 ng/ul

RT: 23.99 min Scan# 3557

Delta R.T. 0.04 min

Lab File: BG041909.D

Acq: 3 Aug 2019 14:38

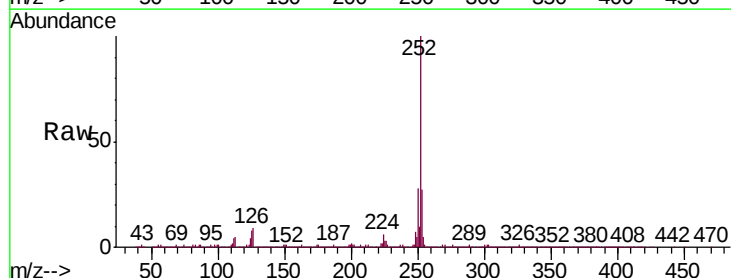
Tgt Ion:252 Resp: 2822657

Ion Ratio Lower Upper

252 100

253 26.5 18.4 27.6

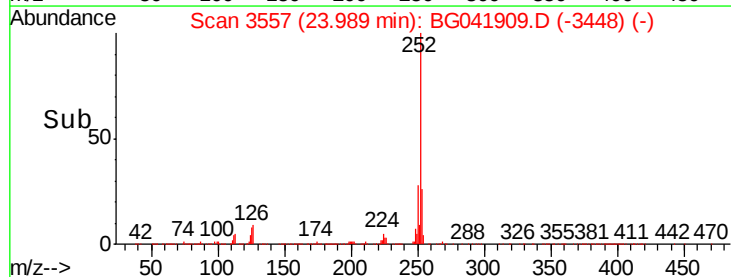
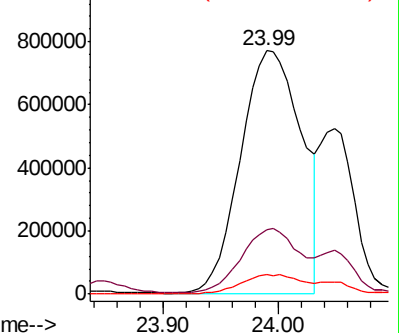
125 8.0 5.8 8.8

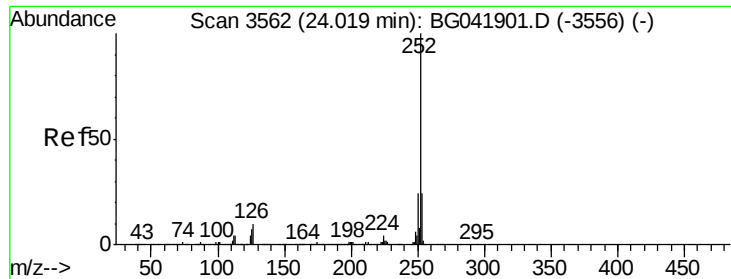


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 82.777 ng/u1

RT: 23.99 min Scan# 3557

Delta R.T. -0.03 min

Lab File: BG041909.D

Acq: 3 Aug 2019 14:38

Instrument :

BNA_G

ClientSampleId :

BENS0

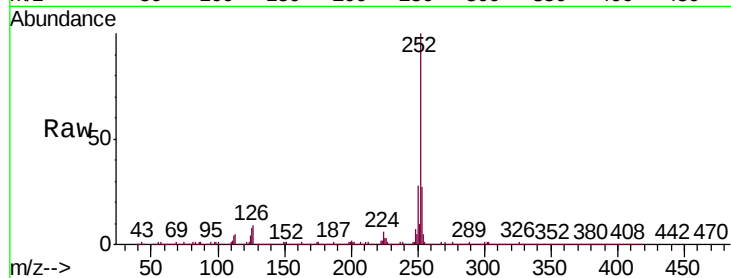
Tgt Ion:252 Resp: 2822657

Ion Ratio Lower Upper

252 100

253 26.5 18.3 27.5

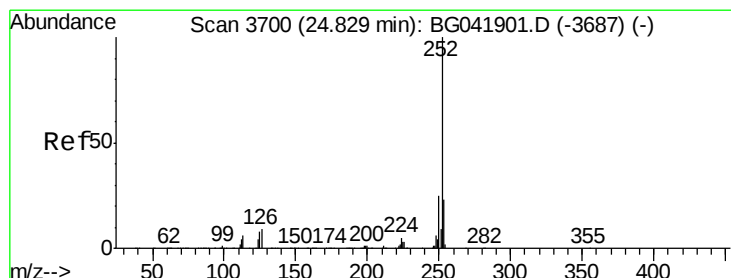
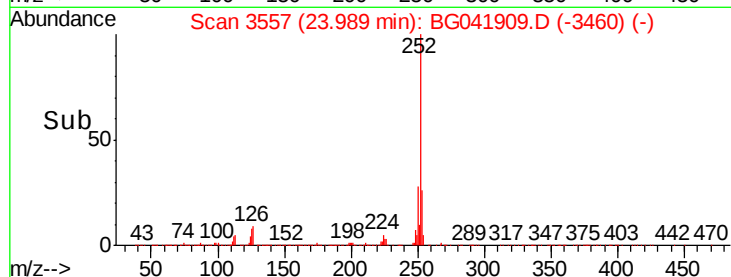
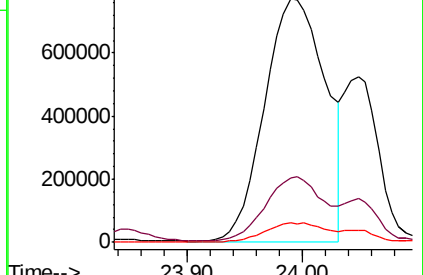
125 8.0 5.5 8.3



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

Benzo(a)pyrene

Concen: 63.265 ng/u1

RT: 24.88 min Scan# 3709

Delta R.T. 0.05 min

Lab File: BG041909.D

Acq: 3 Aug 2019 14:38

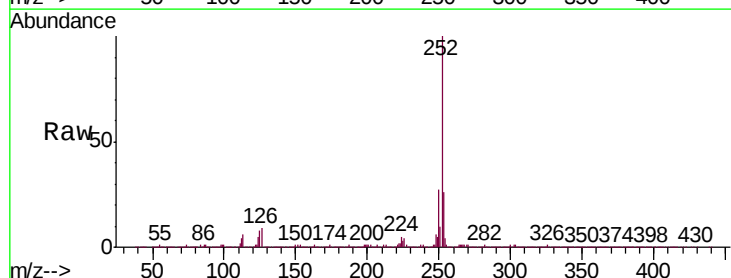
Tgt Ion:252 Resp: 2138089

Ion Ratio Lower Upper

252 100

253 25.7 18.3 27.5

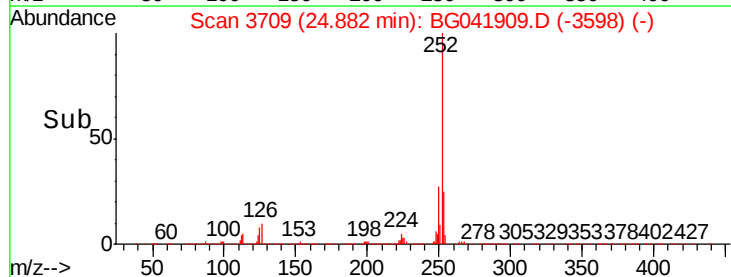
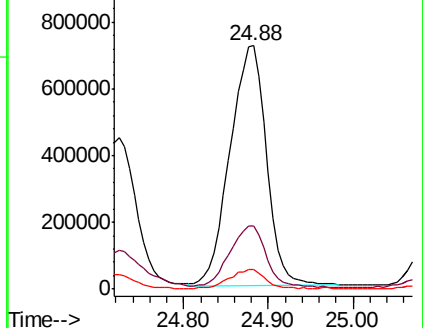
125 8.0 6.5 9.7

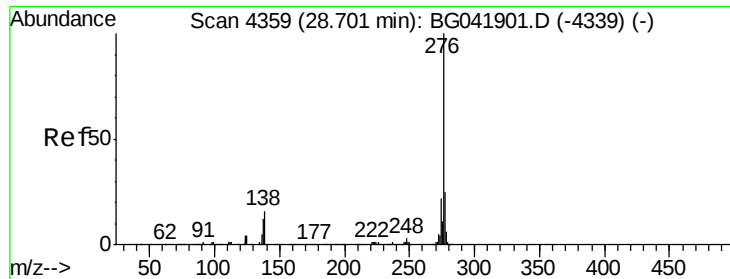


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



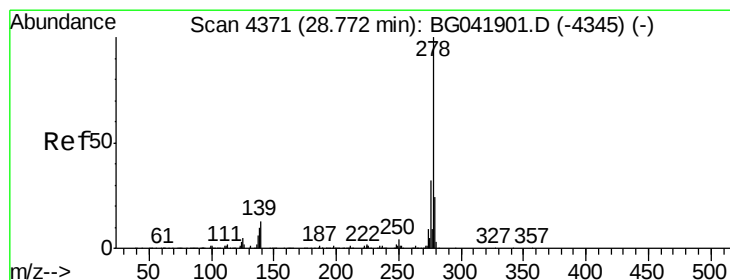
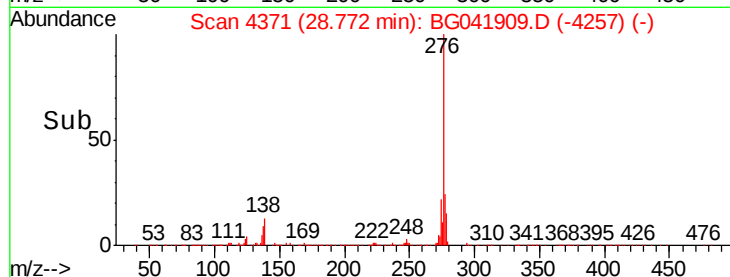
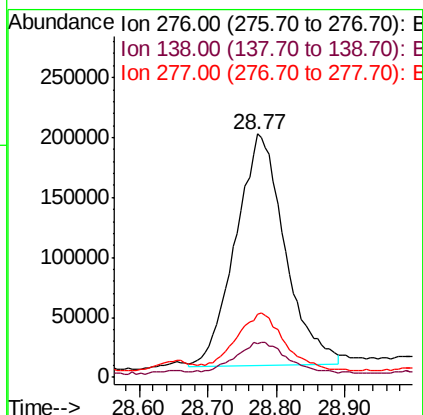
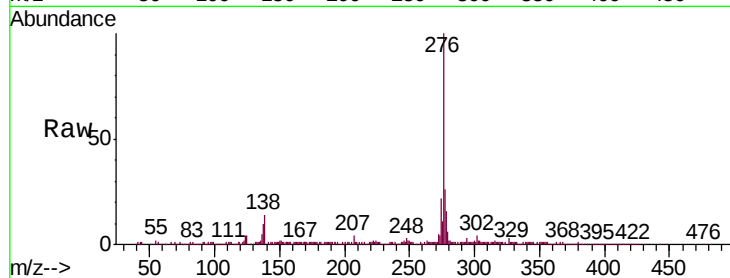


#91

Indeno(1,2,3-cd)pyrene
Concen: 24.413 ng/ul
RT: 28.77 min Scan# 4371
Delta R.T. 0.07 min
Lab File: BG041909.D
Acq: 3 Aug 2019 14:38

Instrument :
BNA_G
ClientSampleId :
BENS0

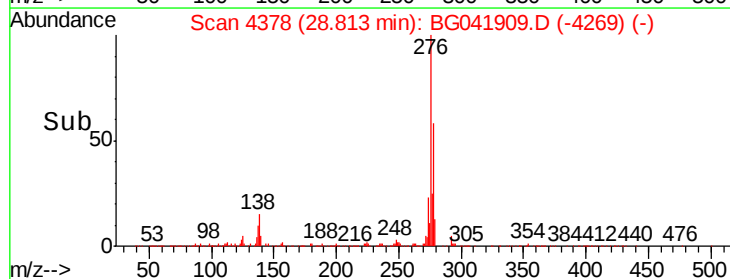
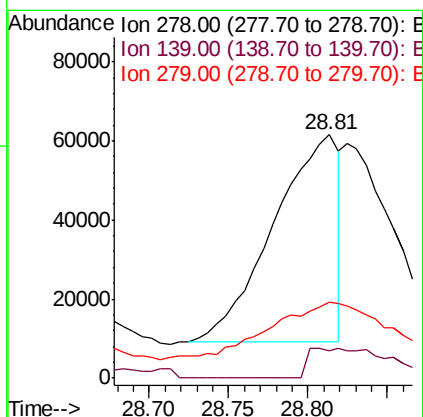
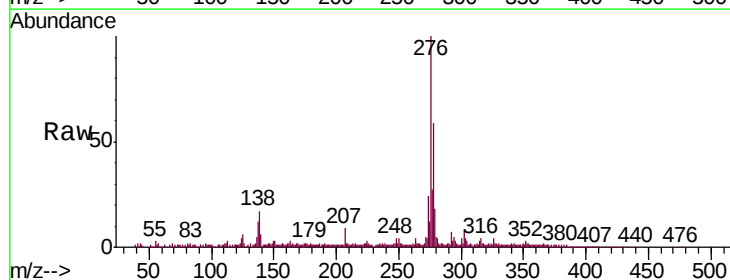
Tgt Ion:276 Resp: 962338
Ion Ratio Lower Upper
276 100
138 13.9 12.0 18.0
277 26.0 19.2 28.8

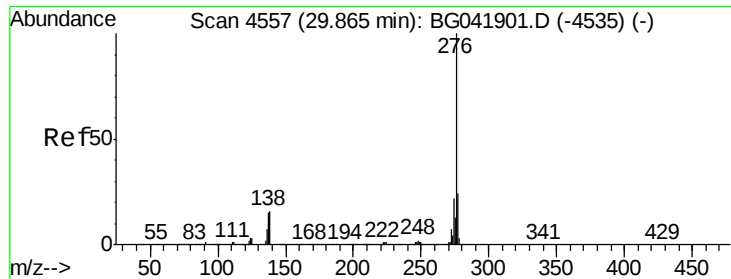


#92

Dibenzo(a,h)anthracene
Concen: 4.667 ng/ul
RT: 28.81 min Scan# 4378
Delta R.T. 0.04 min
Lab File: BG041909.D
Acq: 3 Aug 2019 14:38

Tgt Ion:278 Resp: 150070
Ion Ratio Lower Upper
278 100
139 11.0 9.4 14.0
279 31.0 19.2 28.8#





#93

Benzo(g,h,i)perylene

Concen: 23.656 ng/ul

RT: 29.94 min Scan# 4570

Delta R.T. 0.08 min

Lab File: BG041909.D

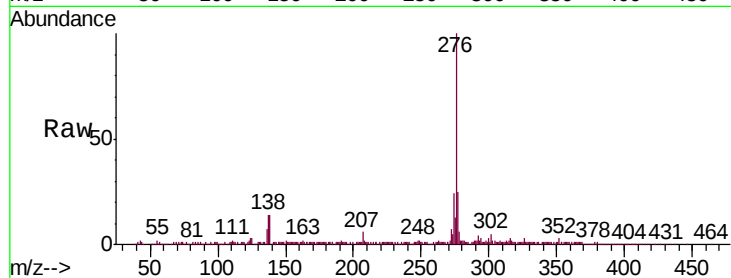
Acq: 3 Aug 2019 14:38

Instrument :

BNA_G

ClientSampleId :

BENS0



Tgt Ion:	276	Resp:	778526
Ion	Ratio	Lower	Upper
276	100		
138	14.4	12.6	18.8
277	25.1	19.2	28.8

